

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118605.D
 Acq On : 20 Jan 2020 21:48
 Operator : CG/JU
 Sample : L1154-07MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Manual Integrations
 APPROVED

mohammad
 1/21/2020 2:26:18 PM

Quant Time: Jan 21 02:58:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	491504	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1857100	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	1032627	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	1762671	20.00	ng	0.00
76) Chrysene-d12	14.04	240	1000669	20.00	ng	0.00
87) Perylene-d12	15.51	264	1060291	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	2611263	98.67	ng	0.01
7) Phenol-d6	6.51	99	3569365	103.77	ng	0.00
23) Nitrobenzene-d5	7.44	82	2230526	67.18	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	1163382	97.41	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	4075437	64.87	ng	0.00
79) Terphenyl-d14	12.99	244	4029595	87.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.77	88	546430	42.630	ng	100
3) Pyridine	3.51	79	1391229	38.509	ng	99
4) n-Nitrosodimethylamine	3.45	42	719770	46.471	ng	95
6) Aniline	6.55	93	1014425	22.398	ng	98
8) 2-Chlorophenol	6.67	128	1513052	50.938	ng	100
9) Benzaldehyde	6.43	77	816803	39.047	ng	98
10) Phenol	6.52	94	1942124	49.545	ng	98
11) bis(2-Chloroethyl)ether	6.62	93	1407783	48.406	ng	99
12) 1,3-Dichlorobenzene	6.82	146	1605108	46.167	ng	98
13) 1,4-Dichlorobenzene	6.90	146	1639654	46.981	ng	99
14) 1,2-Dichlorobenzene	7.05	146	1562089	47.613	ng	99
15) Benzyl Alcohol	7.02	79	1361436	49.911	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	1876612	46.325	ng	99
17) 2-Methylphenol	7.13	107	1258409	50.860	ng	99
18) Hexachloroethane	7.40	117	598536	47.296	ng	97
19) n-Nitroso-di-n-propylamine	7.30	70	1118050	48.139	ng	98
20) 3+4-Methylphenols	7.28	107	1511482	50.035	ng	90
22) Acetophenone	7.29	105	1977648	44.954	ng	# 98
24) Nitrobenzene	7.46	77	1625367	47.810	ng	96
25) Isophorone	7.70	82	2934488	48.457	ng	98
26) 2-Nitrophenol	7.77	139	797717	55.025	ng	95
27) 2,4-Dimethylphenol	7.82	122	1424254	56.892	ng	99
28) bis(2-Chloroethoxy)methane	7.91	93	1822439	46.705	ng	99
29) 2,4-Dichlorophenol	8.02	162	1357668	49.059	ng	99
30) 1,2,4-Trichlorobenzene	8.10	180	1474512	45.952	ng	99
31) Naphthalene	8.19	128	4062062	48.420	ng	98
32) Benzoic acid	7.94	122	848960	45.186	ng	93
33) 4-Chloroaniline	8.23	127	295298	7.616	ng	98
34) Hexachlorobutadiene	8.31	225	872443	44.647	ng	99
35) Caprolactam	8.60	113	416538m	45.993	ng	
36) 4-Chloro-3-methylphenol	8.71	107	1327290	48.568	ng	99
37) 2-Methylnaphthalene	8.88	142	2924765	49.392	ng	99
38) 1-Methylnaphthalene	8.98	142	2770901	49.254	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	1464969	45.341	ng	99

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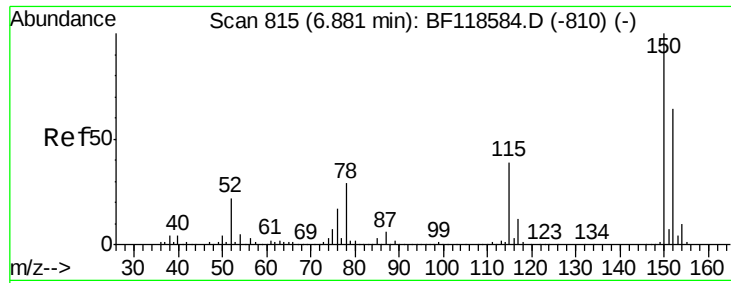
Manual Integrations
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Quant Time: Jan 21 02:58:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.04	237	1700423	104.310	ng	97
43) 2,4,6-Trichlorophenol	9.16	196	1044792	48.730	ng	99
44) 2,4,5-Trichlorophenol	9.19	196	1058433	48.337	ng	97
46) 1,1'-Biphenyl	9.35	154	3380169	47.495	ng	99
47) 2-Chloronaphthalene	9.37	162	2773117	46.229	ng	99
48) 2-Nitroaniline	9.46	65	836785	45.380	ng	98
49) Acenaphthylene	9.79	152	4076597	48.307	ng	98
50) Dimethylphthalate	9.65	163	3390671	50.399	ng	99
51) 2,6-Dinitrotoluene	9.70	165	753232	49.998	ng	94
52) Acenaphthene	9.96	154	2783598	49.330	ng	98
53) 3-Nitroaniline	9.86	138	278686	16.200	ng	98
54) 2,4-Dinitrophenol	9.97	184	484477	80.553	ng	# 52
55) Dibenzofuran	10.13	168	3740477	47.833	ng	98
56) 4-Nitrophenol	10.03	139	1190032	91.638	ng	94
57) 2,4-Dinitrotoluene	10.10	165	969779	51.063	ng	94
58) Fluorene	10.47	166	2842090	46.295	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.25	232	906804	47.083	ng	100
60) Diethylphthalate	10.35	149	3022521	46.336	ng	98
61) 4-Chlorophenyl-phenylether	10.46	204	1560699	46.743	ng	99
62) 4-Nitroaniline	10.49	138	661226	37.473	ng	96
63) Azobenzene	10.62	77	2972984	47.061	ng	96
65) 4,6-Dinitro-2-methylphenol	10.51	198	389766	50.287	ng	99
66) n-Nitrosodiphenylamine	10.58	169	2658313	50.008	ng	98
67) 4-Bromophenyl-phenylether	10.95	248	1070198	49.143	ng	# 94
68) Hexachlorobenzene	11.02	284	1171087	47.432	ng	96
69) Atrazine	11.11	200	939796	51.007	ng	98
70) Pentachlorophenol	11.21	266	1169637	85.207	ng	99
71) Phenanthrene	11.43	178	3952139	46.475	ng	98
72) Anthracene	11.49	178	4050610	48.138	ng	98
73) Carbazole	11.63	167	3462382	44.860	ng	99
74) Di-n-butylphthalate	11.97	149	4174212	48.679	ng	97
75) Fluoranthene	12.62	202	3906299	43.553	ng	98
77) Benzidine	12.73	184	1186982	44.395	ng	98
78) Pyrene	12.84	202	3822097	56.260	ng	99
80) Butylbenzylphthalate	13.46	149	1618724	58.220	ng	98
81) Benzo(a)anthracene	14.03	228	2926090	48.610	ng	100
82) 3,3'-Dichlorobenzidine	13.99	252	440710	20.546	ng	99
83) Chrysene	14.07	228	2798182	48.503	ng	100
84) Bis(2-ethylhexyl)phthalate	14.03	149	2069368	60.920	ng	100
85) Di-n-octyl phthalate	14.64	149	3005055	59.767	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	3602119	71.858	ng	100
88) Benzo(b)fluoranthene	15.09	252	2902085	43.544	ng	99
89) Benzo(k)fluoranthene	15.12	252	2662024	43.113	ng	99
90) Benzo(a)pyrene	15.45	252	2621768	45.603	ng	100
91) Dibenzo(a,h)anthracene	17.01	278	2977967	58.558	ng	99
92) Benzo(g,h,i)perylene	17.44	276	2988849	60.531	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

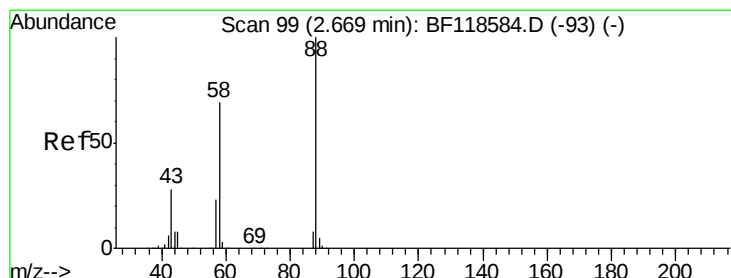
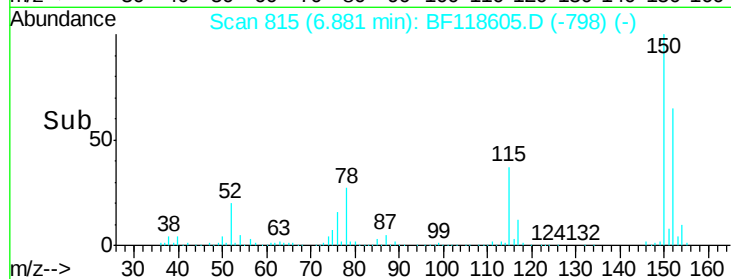
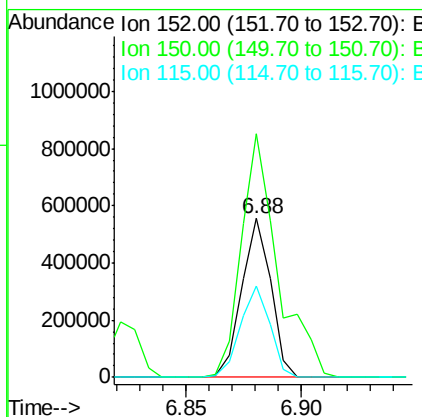
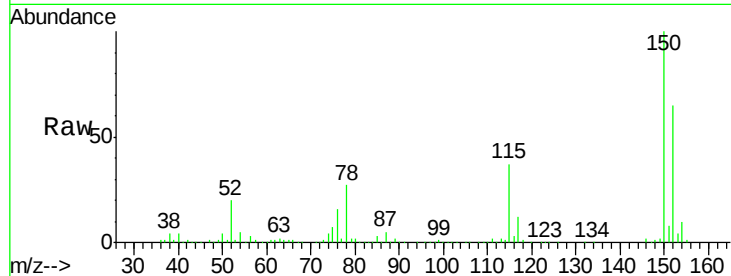
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	125.6	188.4
115	57.4	48.4	72.6

Manual Integrations
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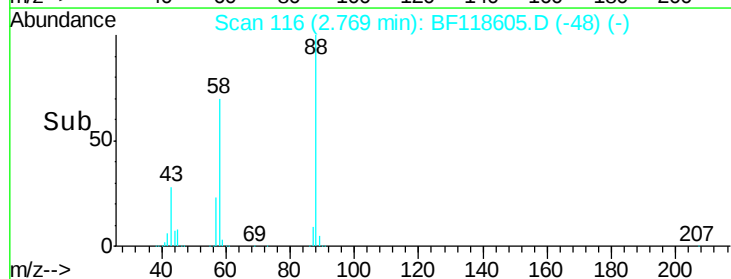
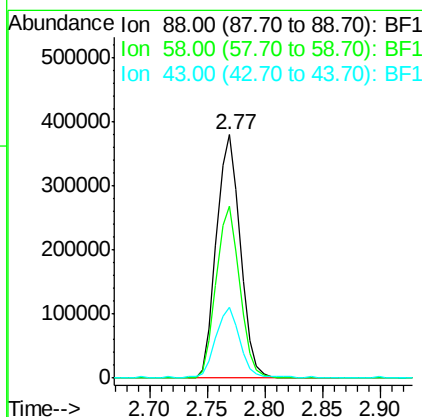
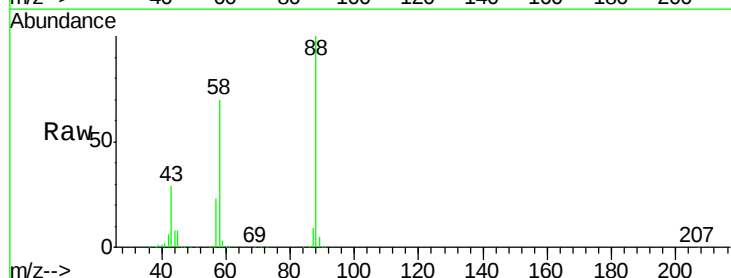
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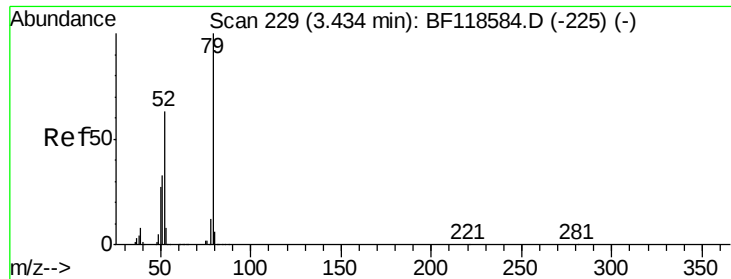


#2

1,4-Dioxane
Concen: 42.630 ng
RT: 2.77 min Scan# 116
Delta R.T. 0.10 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.9	56.1	84.1
43	28.3	23.0	34.6





#3

Pvridine

Concen: 38.509 ng

RT: 3.51 min Scan# 242

Delta R.T. 0.08 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion: 79 Resp: 1391229

Ion Ratio Lower Upper

79 100

52 64.1 50.7 76.1

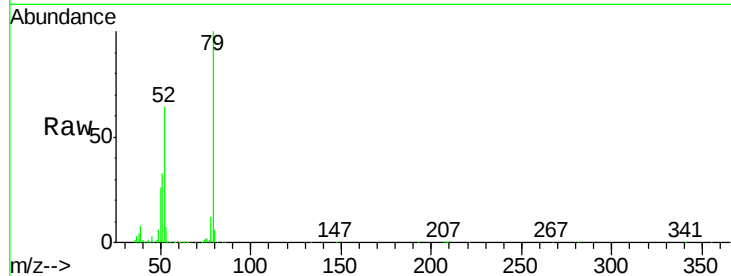
51 33.1 26.6 40.0

Manual Integrations

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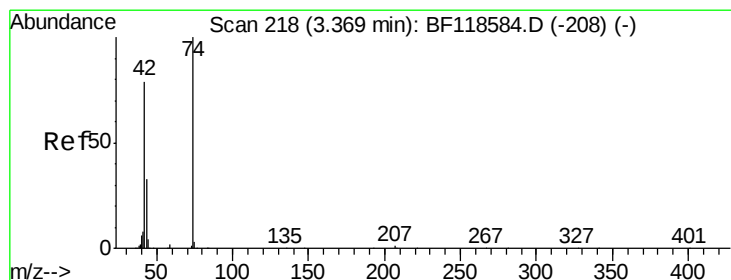
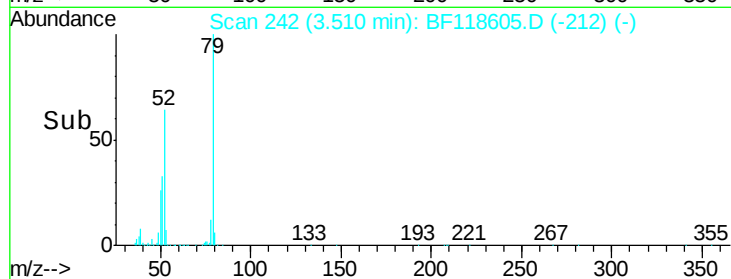
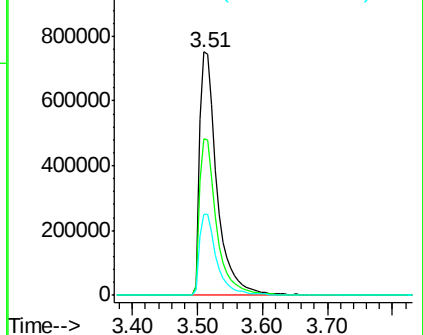
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 46.471 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.08 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

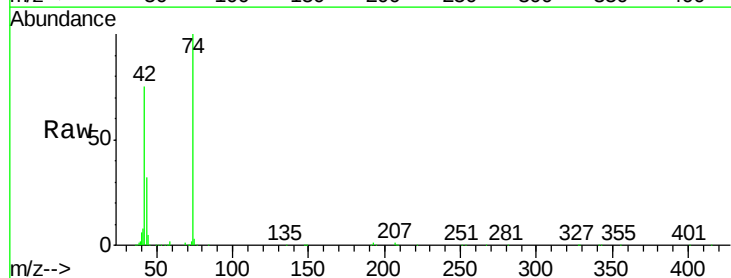
Tgt Ion: 42 Resp: 719770

Ion Ratio Lower Upper

42 100

74 133.5 101.6 152.4

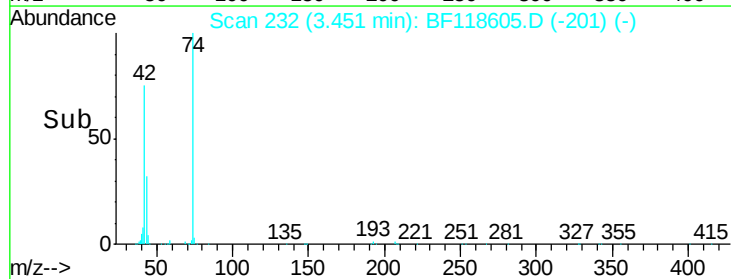
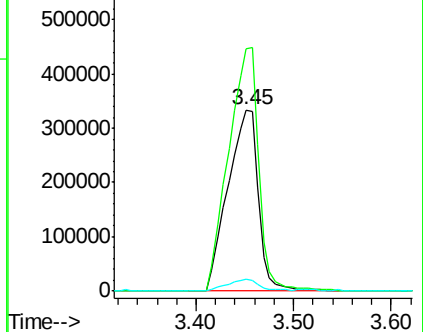
44 6.3 4.9 7.3

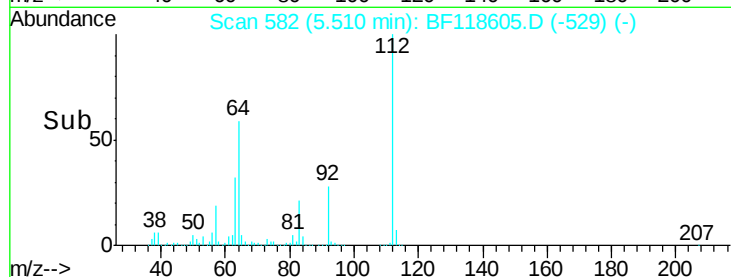
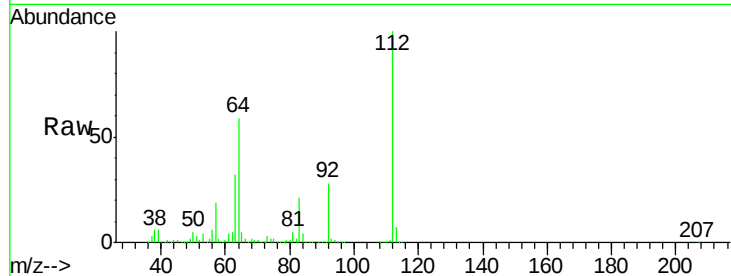
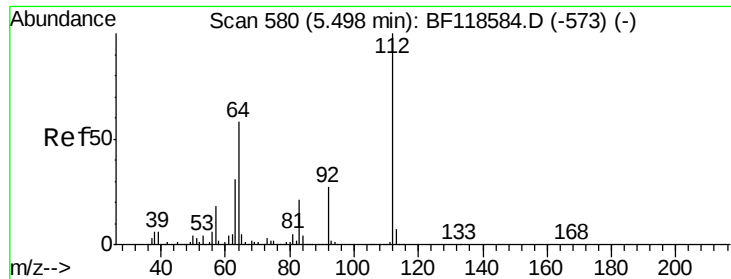


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





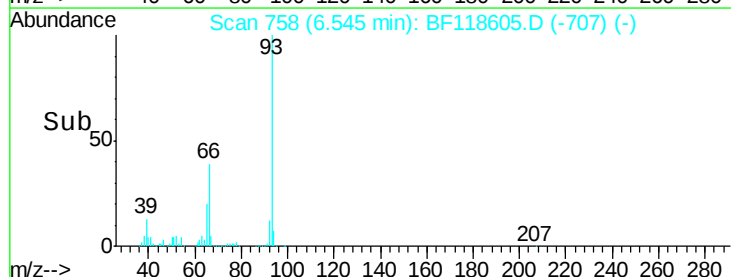
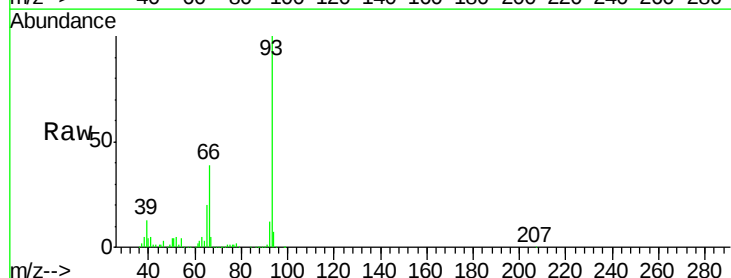
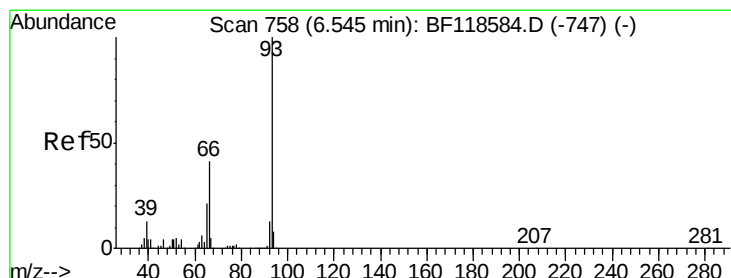
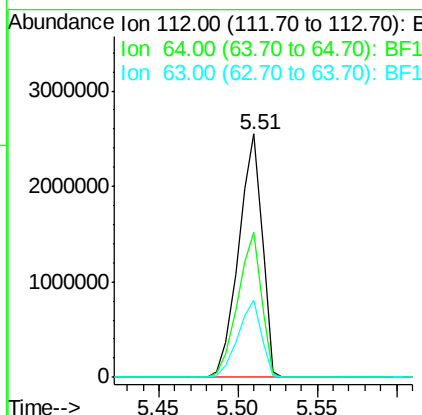
#5
2-Fluorophenol
Concen: 98.672 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tot Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.6	70.0
63	31.9	25.1	37.7

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

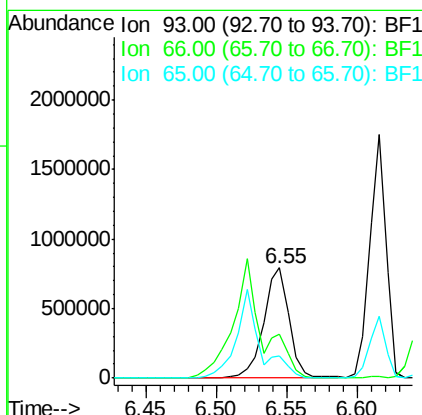
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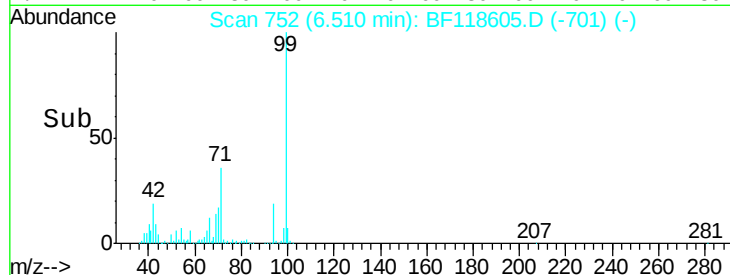
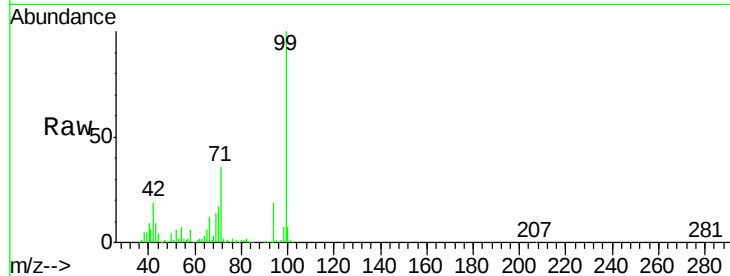
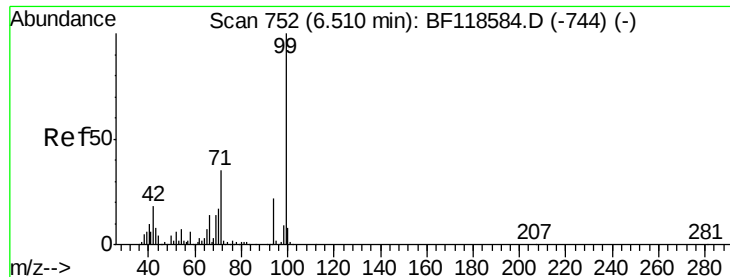
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#6
Aniline
Concen: 22.398 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
93	100		
66	39.3	32.8	49.2
65	19.9	16.5	24.7





#7

Phenol-d6

Concen: 103.771 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Tot Ion: 99 Resp: 3569365

Ion Ratio Lower Upper

99 100

42 18.7 14.2 21.2

71 36.4 27.8 41.6

Instrument :

BNA_F

ClientSampleId :

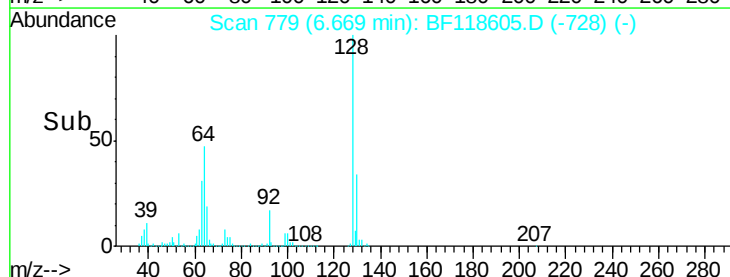
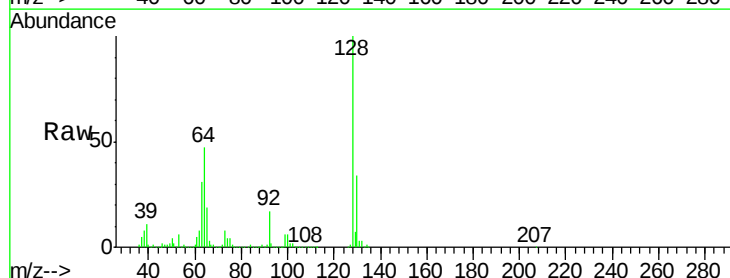
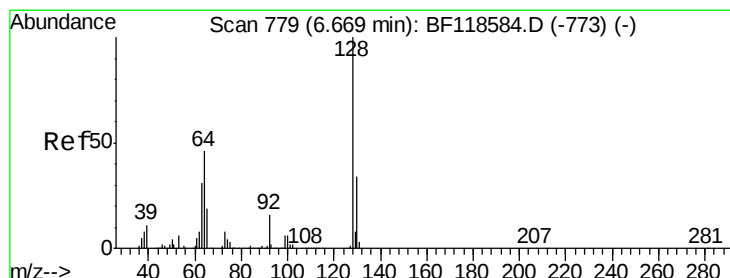
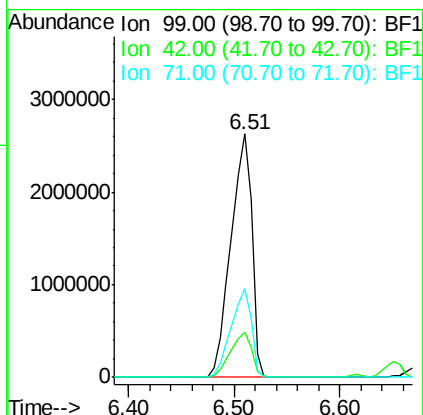
B3-15-20MSD

Manual Integrations

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#8

2-Chlorophenol

Concen: 50.938 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

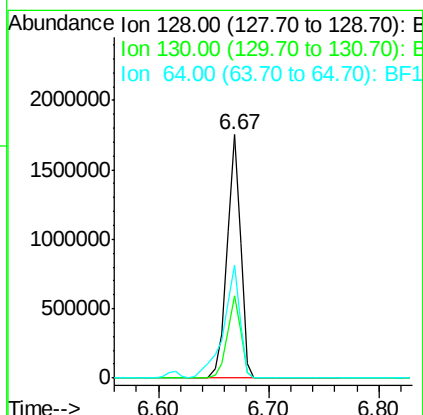
Tgt Ion: 128 Resp: 1513052

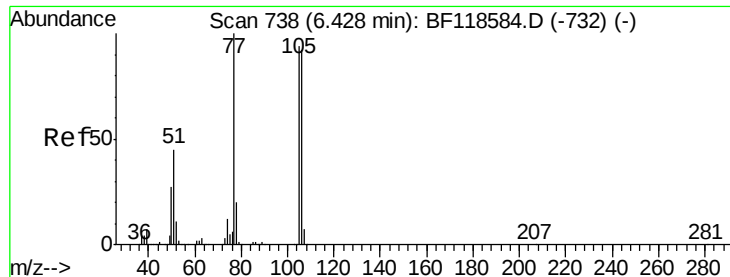
Ion Ratio Lower Upper

128 100

130 34.0 13.6 53.6

64 46.5 26.4 66.4





#9

Benzaldehyde

Concen: 39.047 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

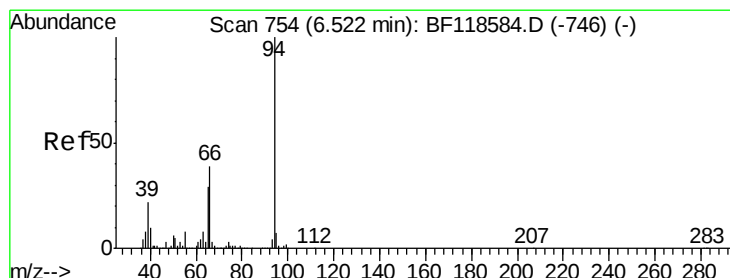
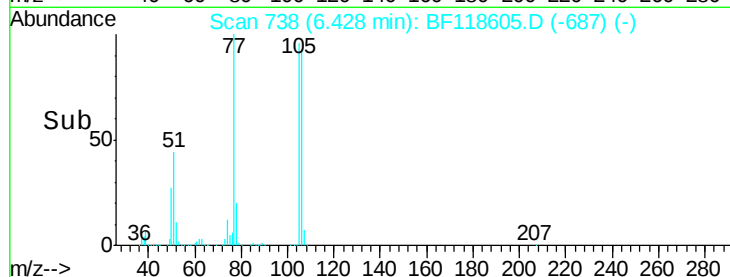
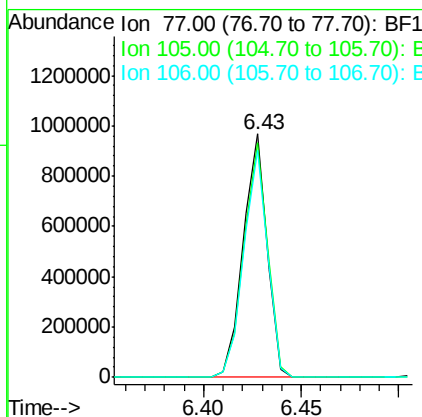
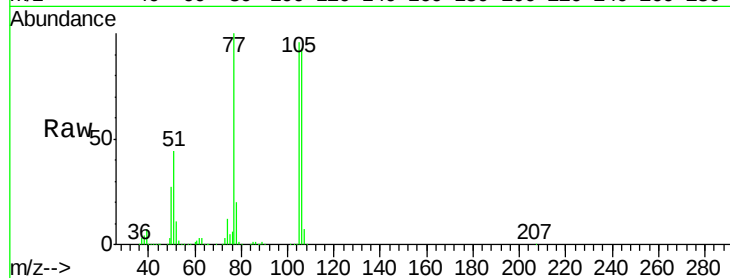
ClientSampleId :

B3-15-20MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100				
105	96.5	73.5	113.5		
106	93.4	71.9	111.9		

Manual Integrations
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#10

Phenol

Concen: 49.545 ng

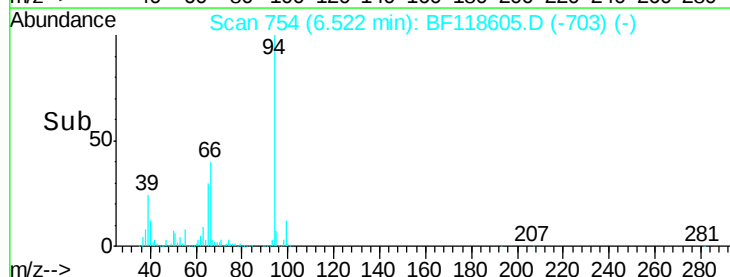
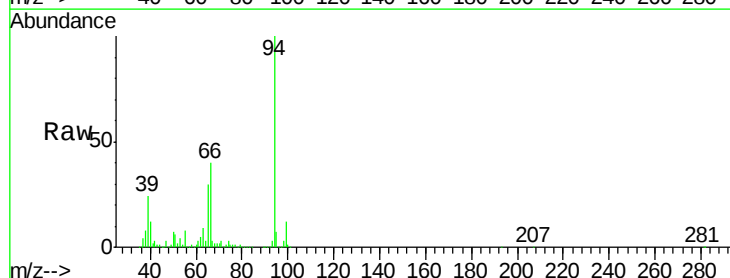
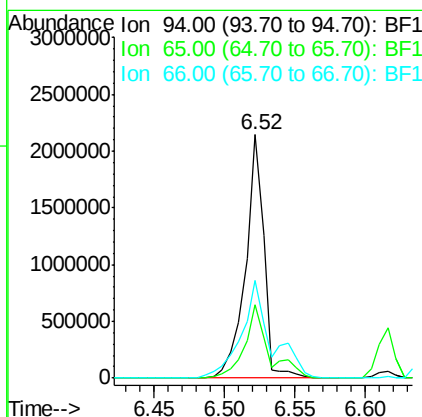
RT: 6.52 min Scan# 754

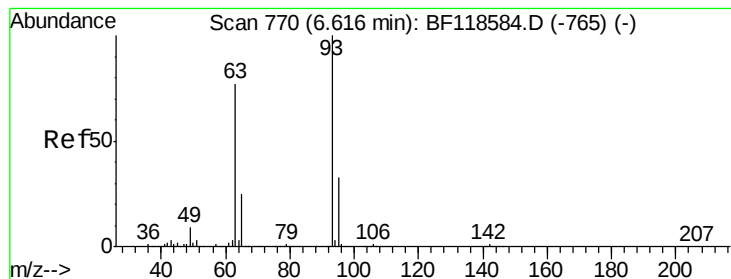
Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100				
65	30.0	9.5	49.5		
66	40.1	18.5	58.5		





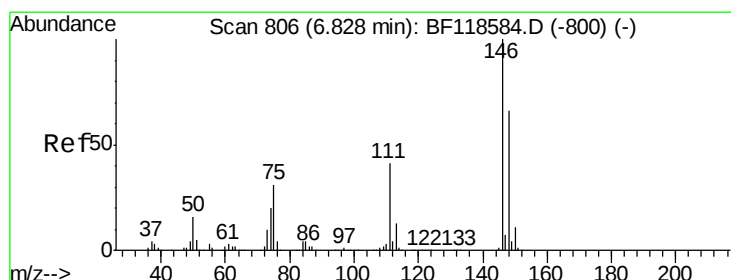
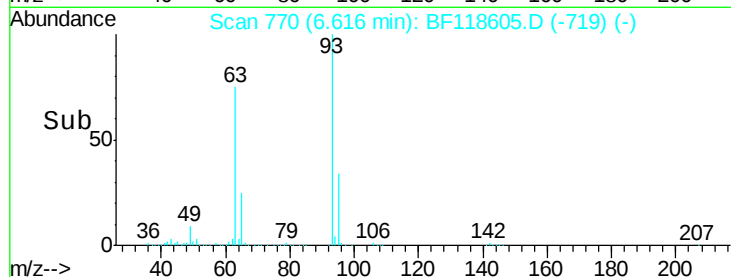
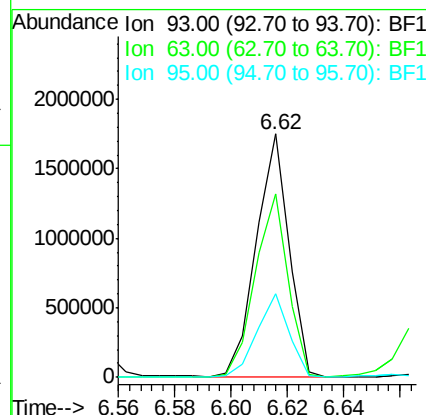
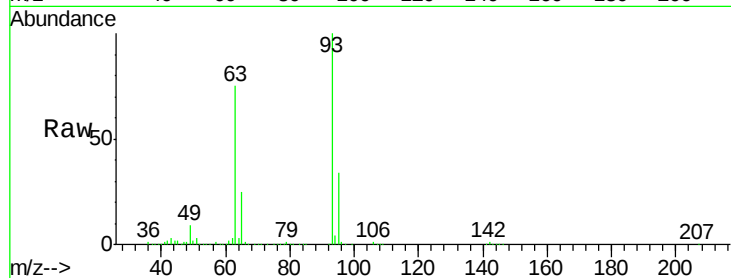
#11
bis(2-Chloroethyl)ether
Concen: 48.406 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	75.4	56.3	96.3
95	34.4	13.3	53.3

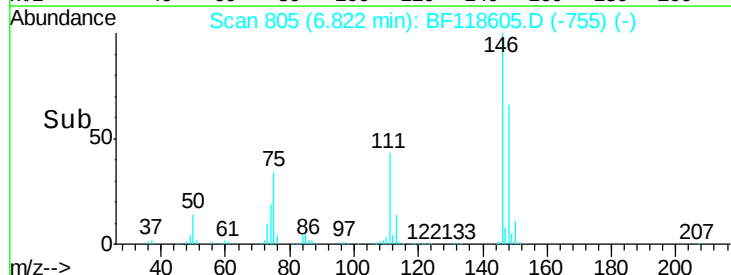
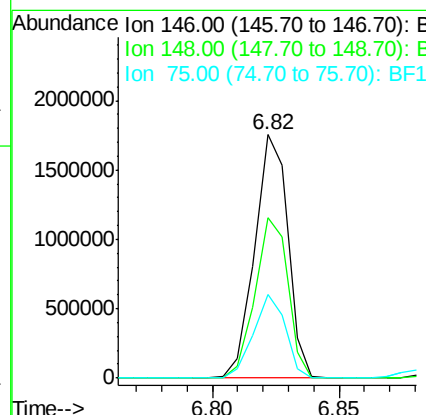
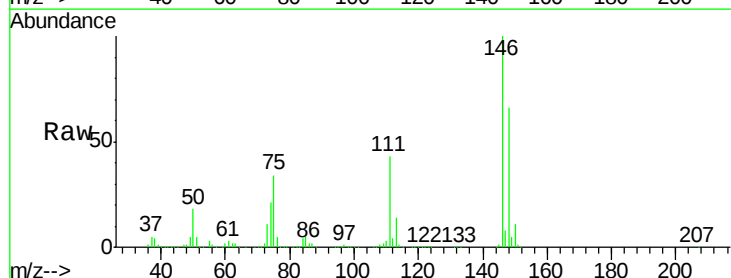
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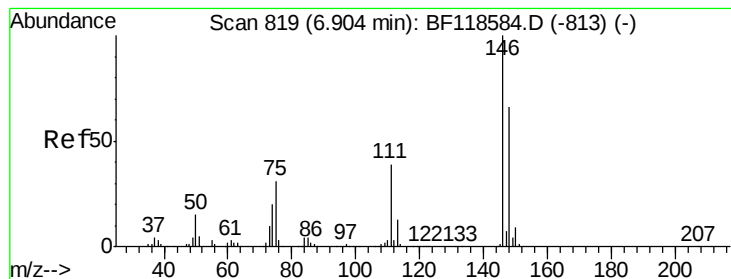
mohammad
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#12
1,3-Dichlorobenzene
Concen: 46.167 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.7	53.0	79.6
75	34.3	25.1	37.7





#13

1,4-Dichlorobenzene

Concen: 46.981 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:146 Resp: 1639654

Ion Ratio Lower Upper

146 100

148 65.6 52.4 78.6

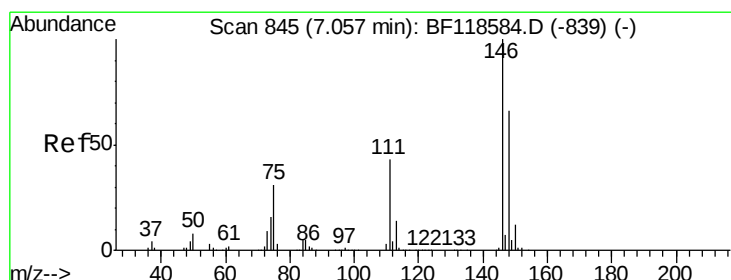
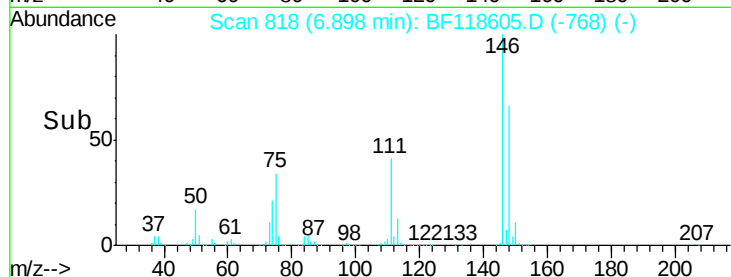
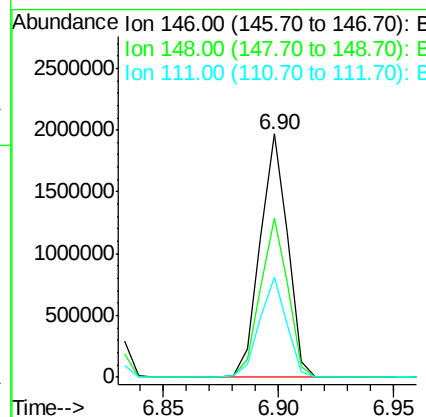
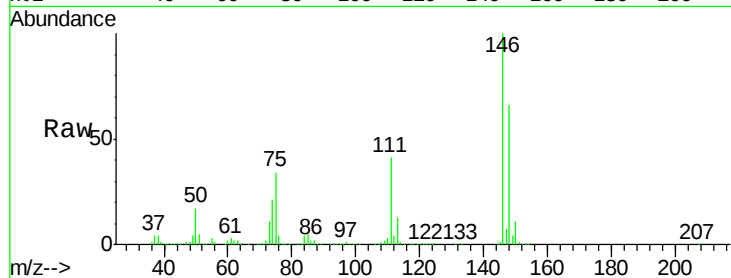
111 41.2 31.6 47.4

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#14

1,2-Dichlorobenzene

Concen: 47.613 ng

RT: 7.05 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

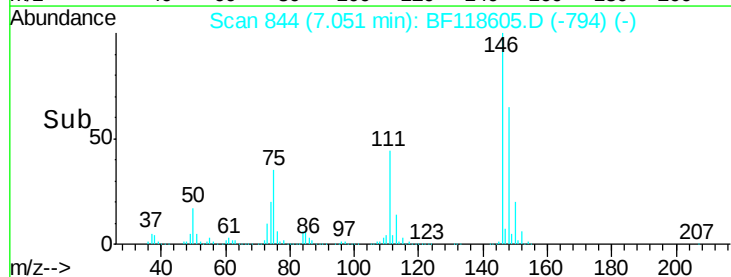
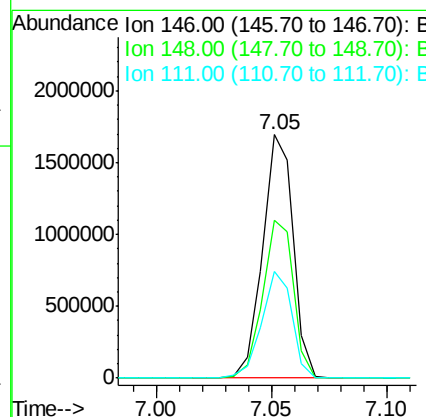
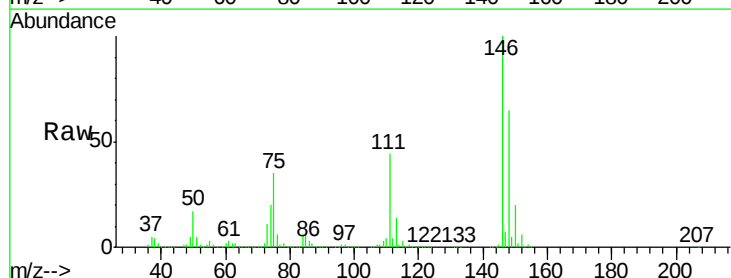
Tgt Ion:146 Resp: 1562089

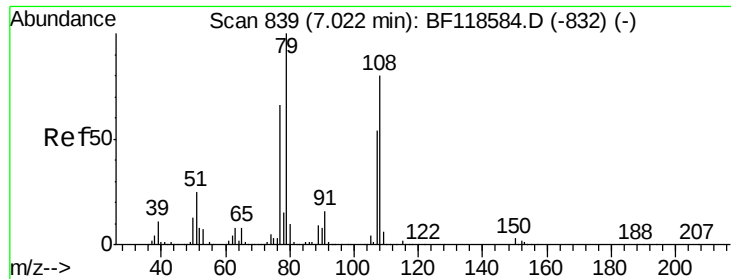
Ion Ratio Lower Upper

146 100

148 65.0 52.7 79.1

111 44.0 34.6 52.0





#15

Benzyl Alcohol

Concen: 49.911 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion: 79 Resp: 1361436

Ion Ratio Lower Upper

79 100

108 79.9 63.6 95.4

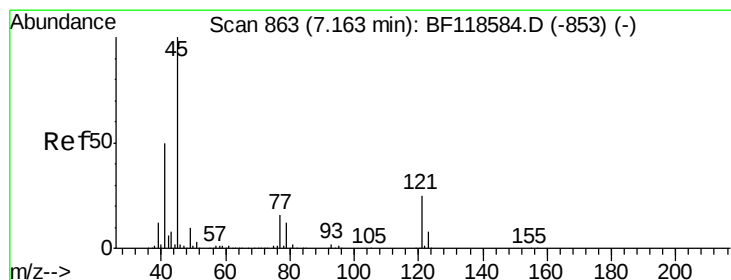
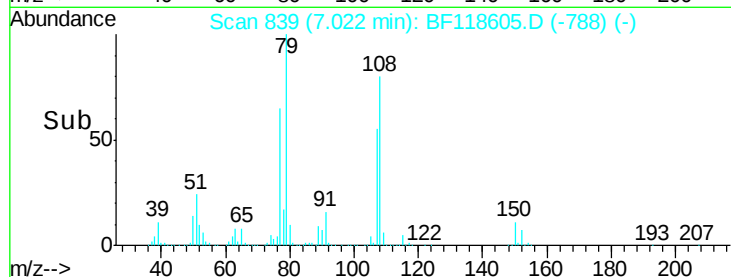
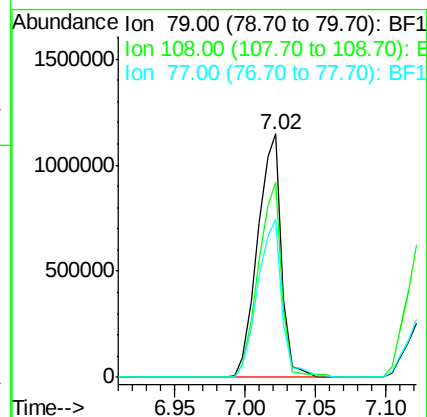
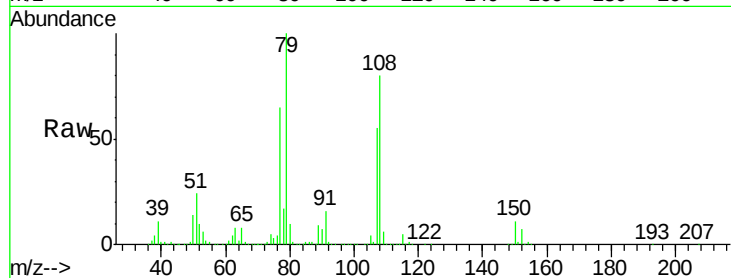
77 64.6 52.5 78.7

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#16

2,2'-oxybis(1-chloropropane)

Concen: 46.325 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

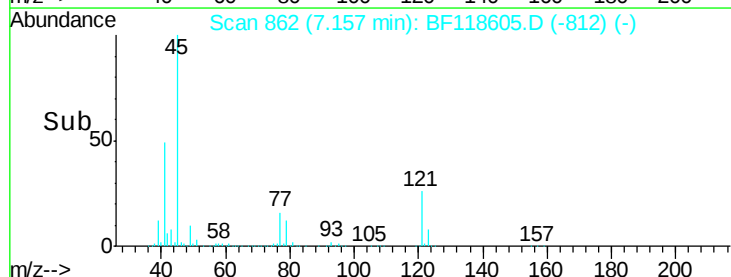
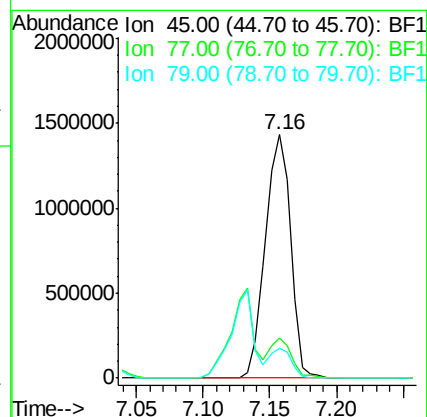
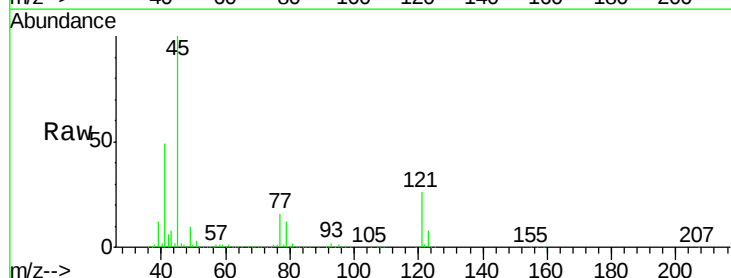
Tgt Ion: 45 Resp: 1876612

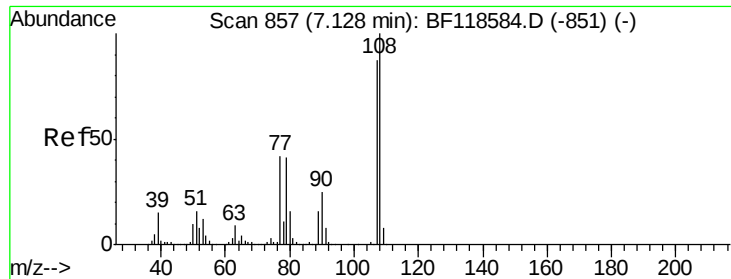
Ion Ratio Lower Upper

45 100

77 16.4 0.0 36.1

79 12.3 0.0 32.4





#17

2-Methylphenol

Concen: 50.860 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:107 Resp: 1258409

Ion Ratio Lower Upper

107 100

108 114.0 91.5 137.3

77 47.7 38.7 58.1

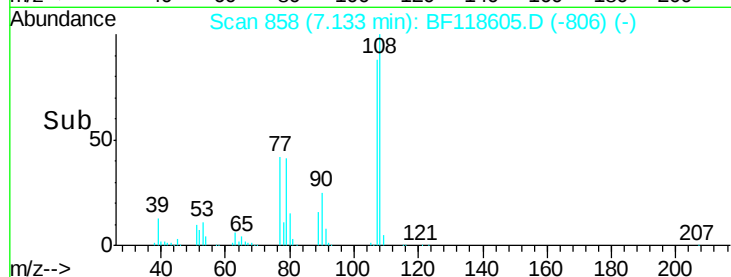
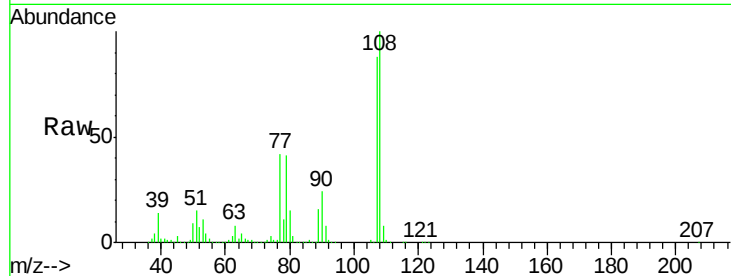
79 46.9 37.7 56.5

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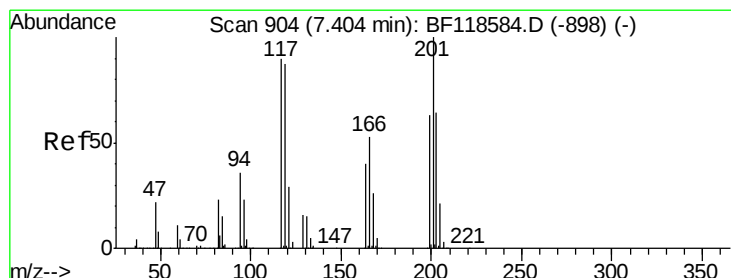
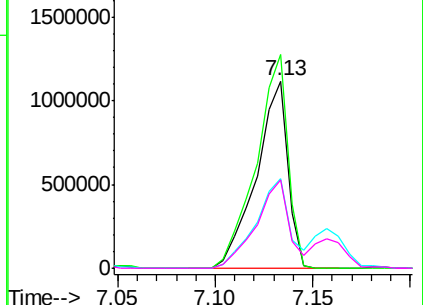


Abundance Ion 107.00 (106.70 to 107.70): E

2000000 Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 47.296 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

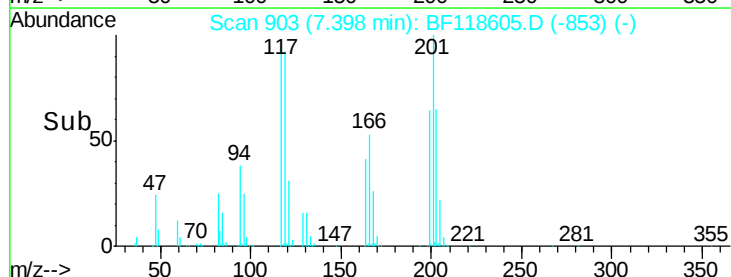
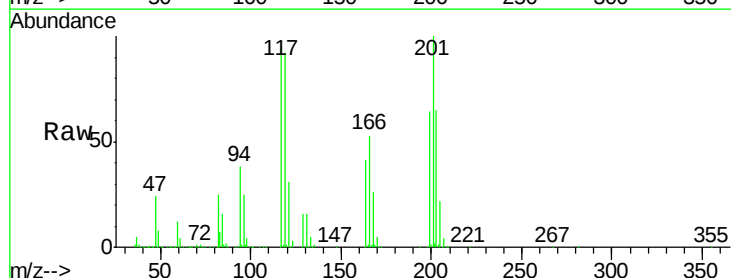
Tgt Ion:117 Resp: 598536

Ion Ratio Lower Upper

117 100

119 96.5 77.6 116.4

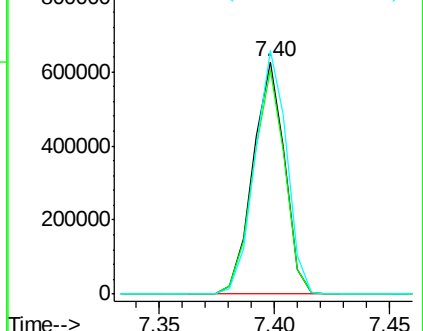
201 104.8 88.8 133.2

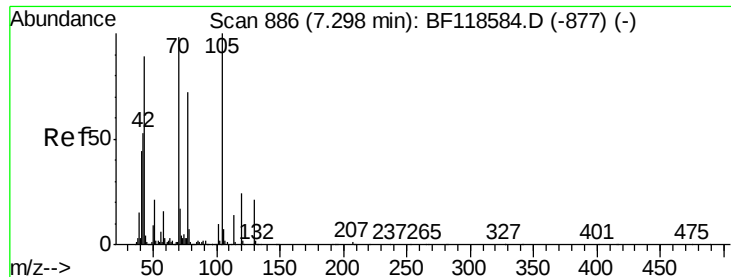


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





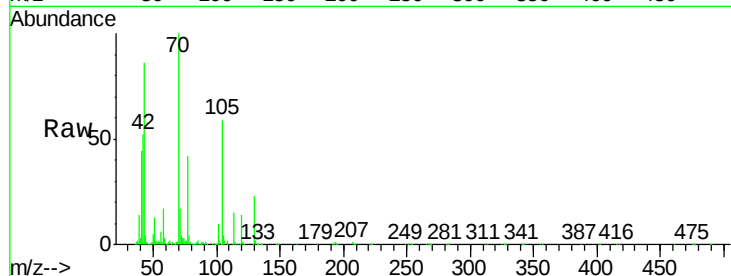
#19
n-Nitroso-di-n-propylamine
Concen: 48.139 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

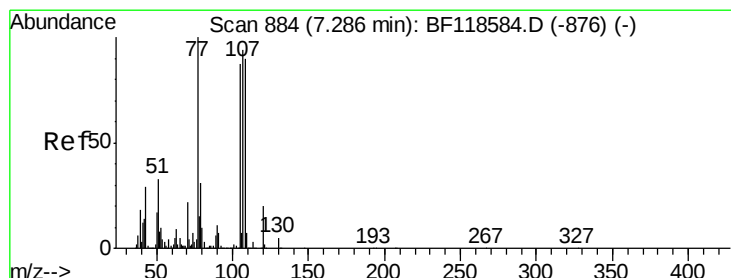
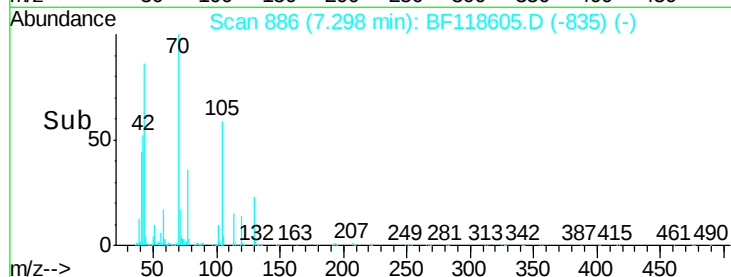
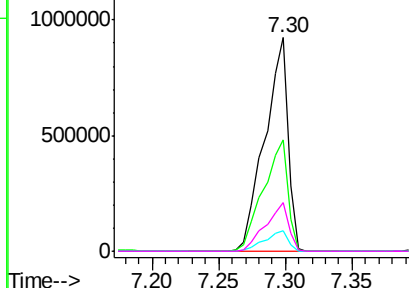
Tot Ion	Ratio	Lower	Upper
70	100		
42	52.3	43.4	65.0
101	9.6	8.1	12.1
130	22.7	17.6	26.4

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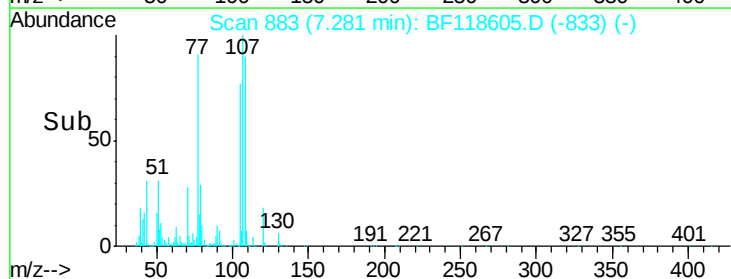
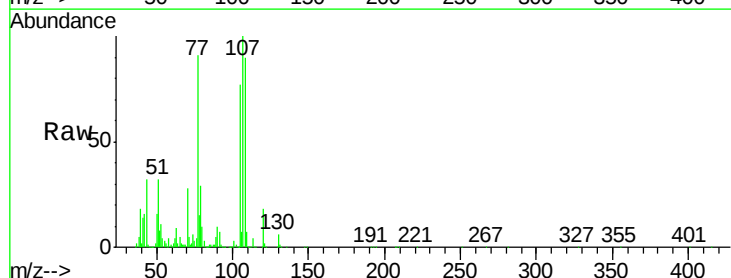
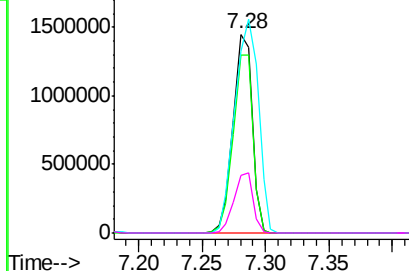
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

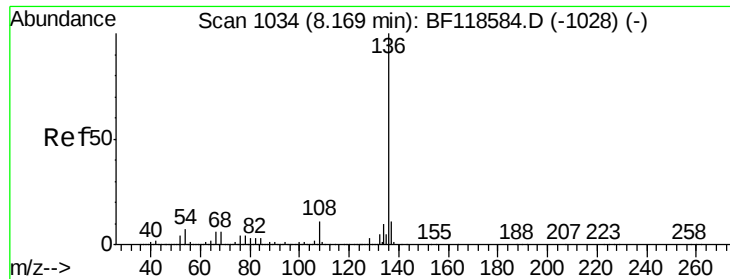


#20
3+4-Methylphenols
Concen: 50.035 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.6	75.8	115.8
77	91.4	86.5	126.5
79	29.0	12.9	52.9

Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





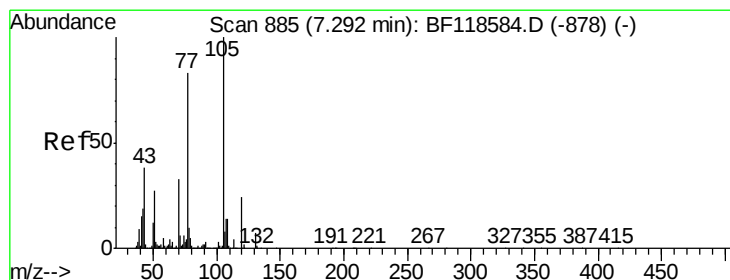
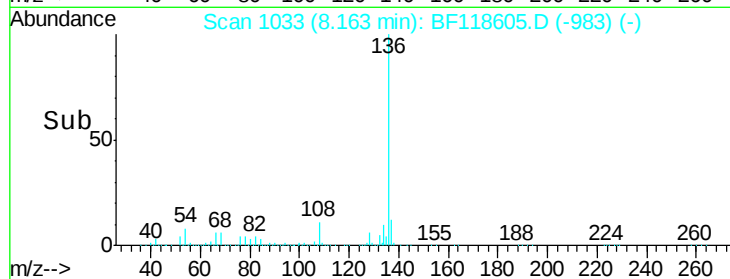
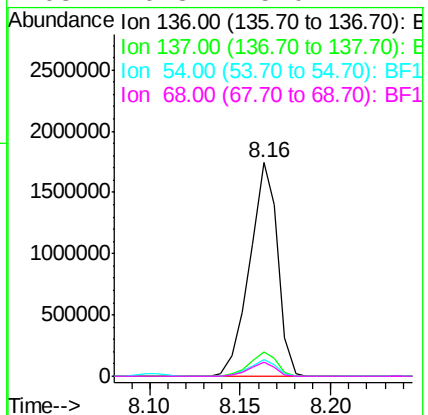
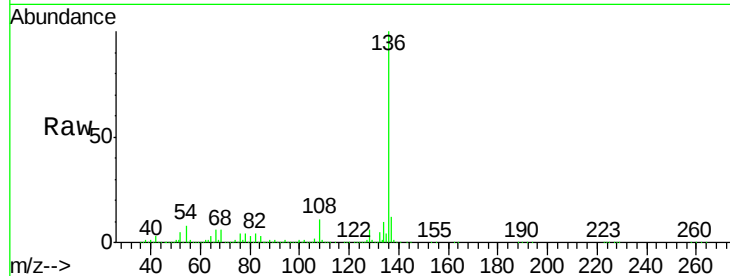
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	136	Resp	1857100
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	7.6	5.8	8.6
68	6.3	5.0	7.4

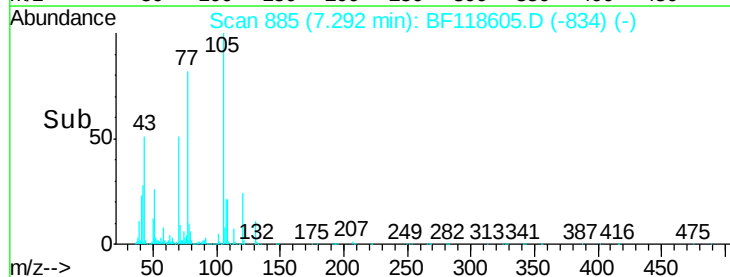
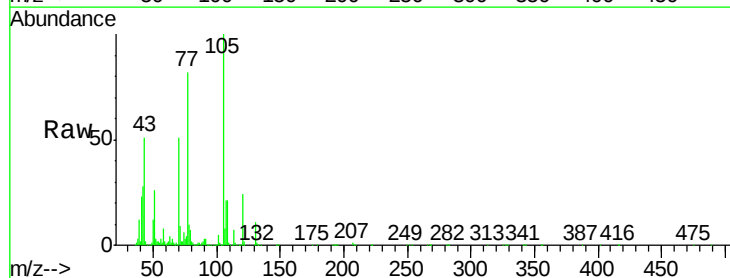
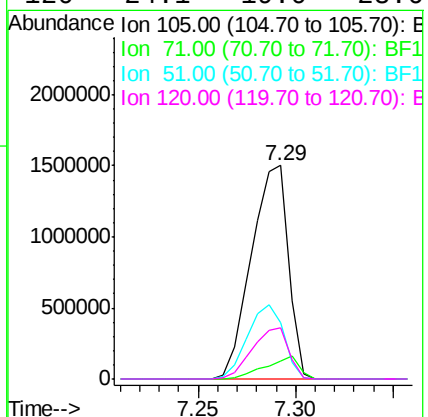
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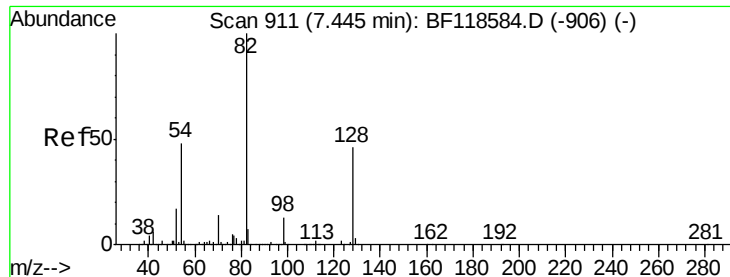
mohammad
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#22
Acetophenone
Concen: 44.954 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	105	Resp	1977648
Ion Ratio	Lower	Upper	
105	100		
71	8.6	4.5	6.7#
51	26.4	21.5	32.3
120	24.1	19.0	28.6





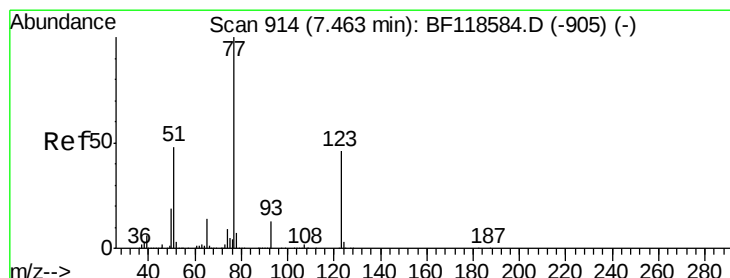
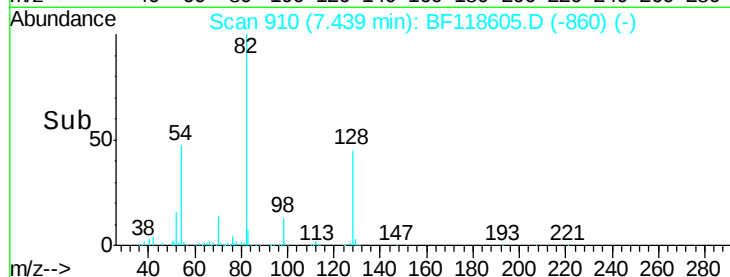
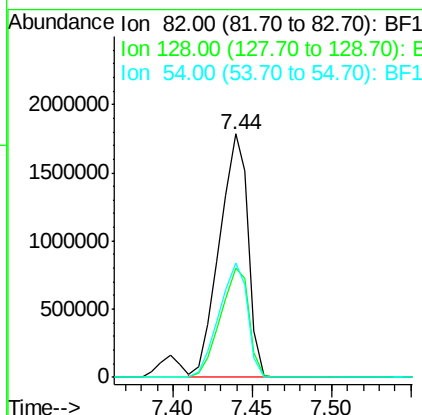
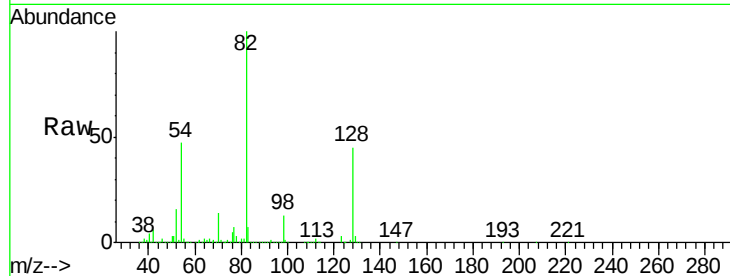
#23
 Nitrobenzene-d5
 Concen: 67.181 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.6	54.8
54	47.2	38.0	57.0

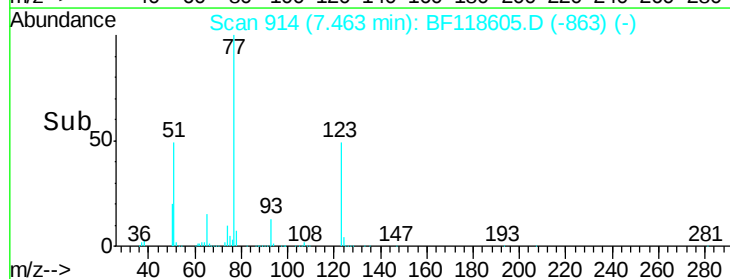
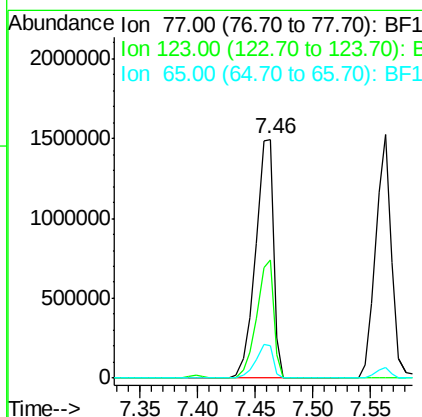
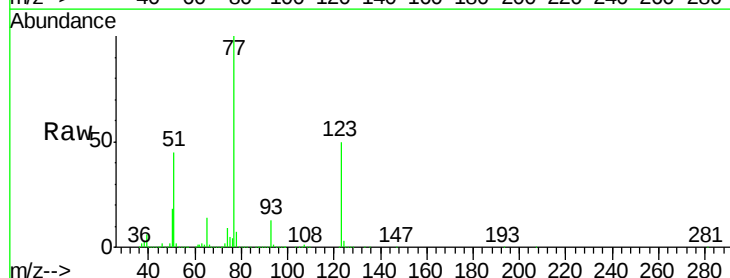
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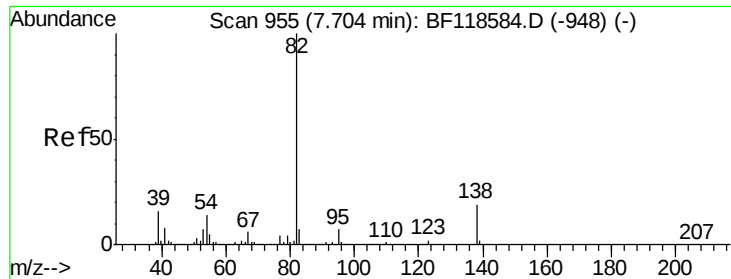
mohammad
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#24
 Nitrobenzene
 Concen: 47.810 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	49.6	37.0	55.4
65	13.5	11.1	16.7





#25

Isophorone

Concen: 48.457 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion: 82 Resp: 2934488

Ion Ratio Lower Upper

82 100

95 7.6 5.9 8.9

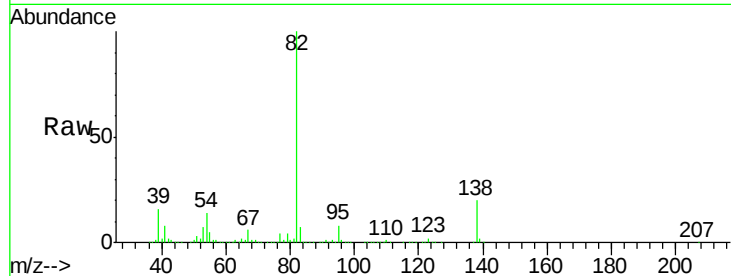
138 20.2 15.3 22.9

Manual Integrations

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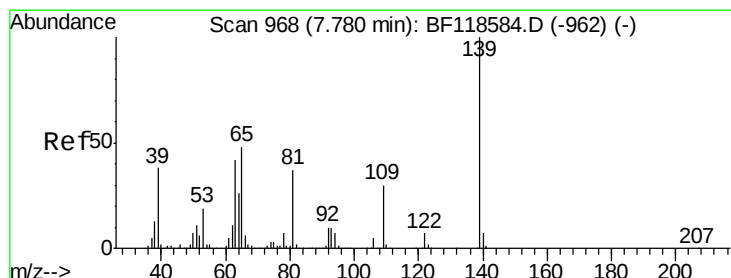
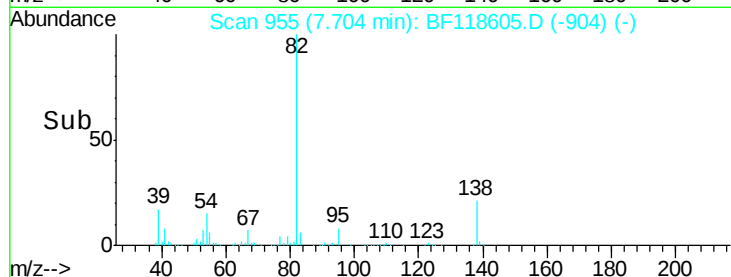
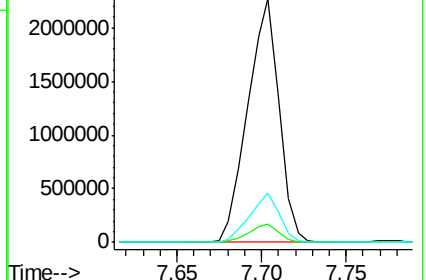
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 55.025 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

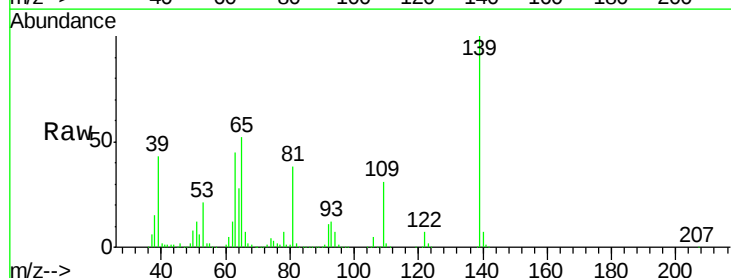
Tgt Ion: 139 Resp: 797717

Ion Ratio Lower Upper

139 100

109 31.1 23.8 35.8

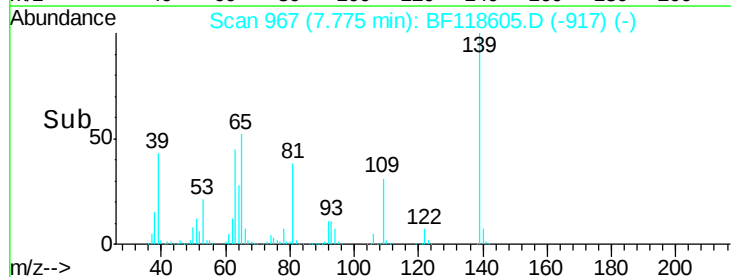
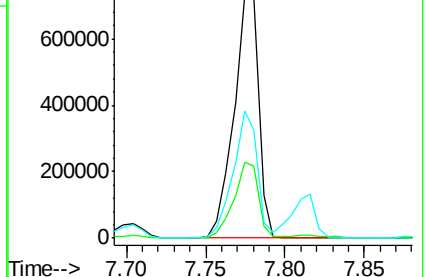
65 52.3 38.5 57.7

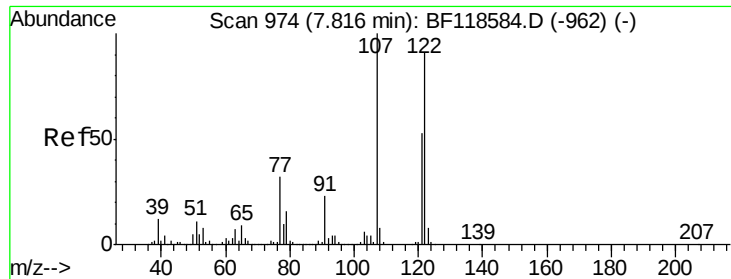


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





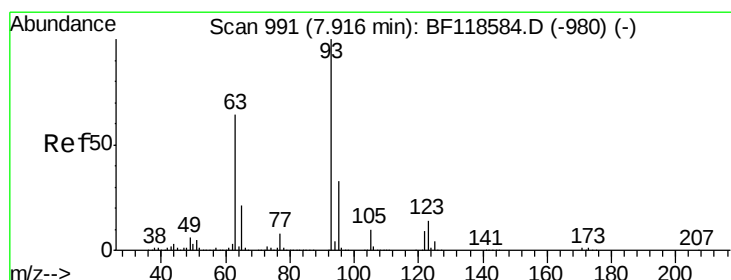
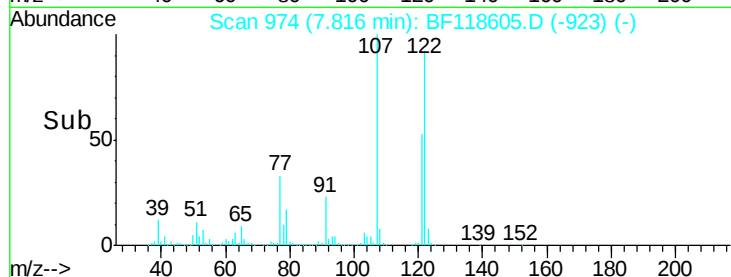
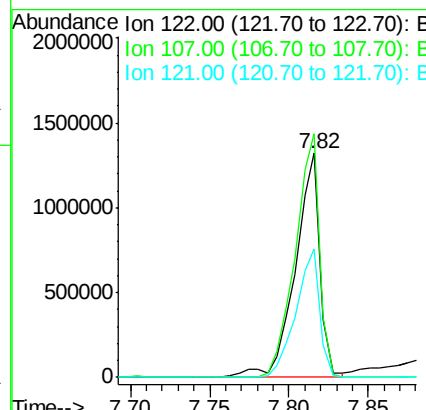
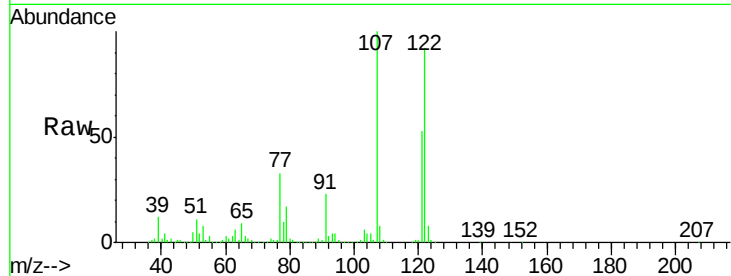
#27
 2,4-Dimethylphenol
 Concen: 56.892 ng
 RT: 7.82 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	108.6	88.0	132.0
121	57.4	46.3	69.5

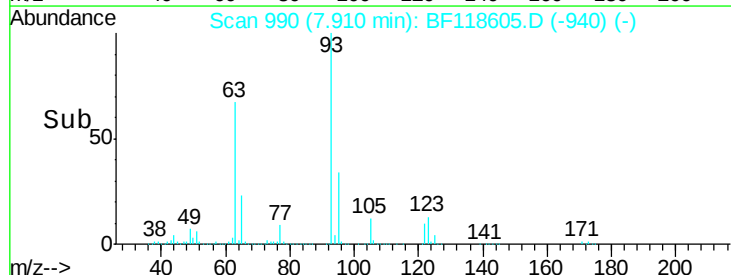
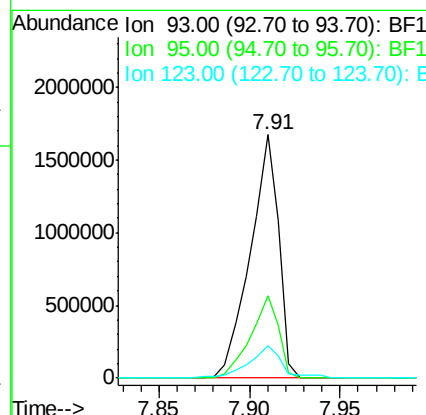
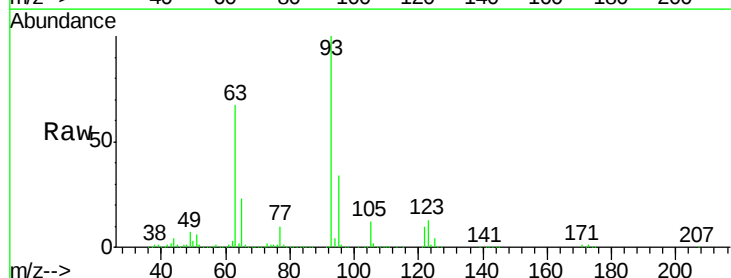
Manual Integrations
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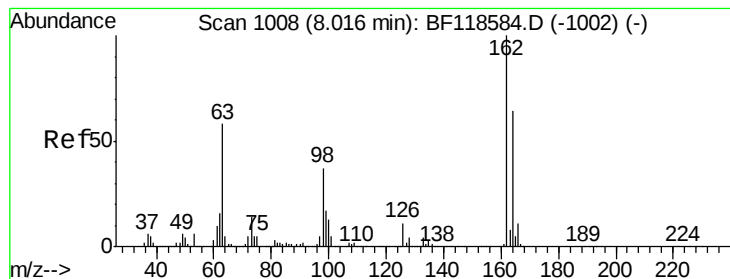
mohammad
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#28
 bis(2-Chloroethoxy)methane
 Concen: 46.705 ng
 RT: 7.91 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	26.7	40.1
123	13.1	11.0	16.6





#29

2,4-Dichlorophenol

Concen: 49.059 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:162 Resp: 1357668

Ion Ratio Lower Upper

162 100

164 65.0 44.3 84.3

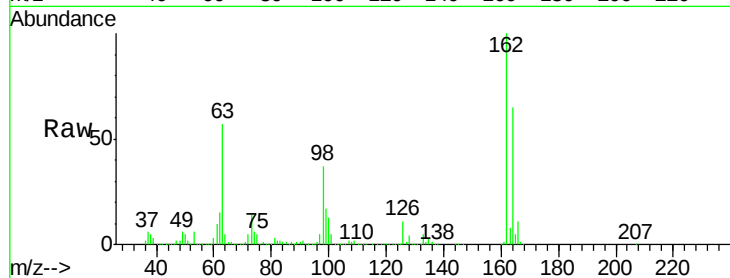
98 37.3 17.5 57.5

Manual Integrations

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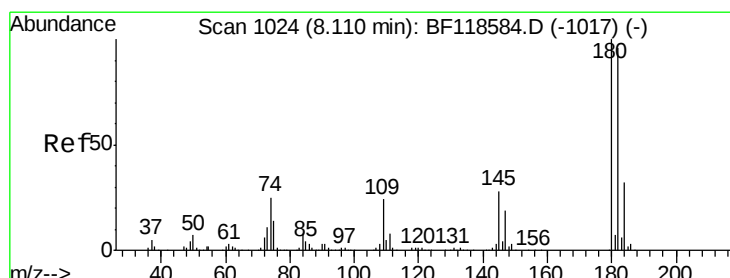
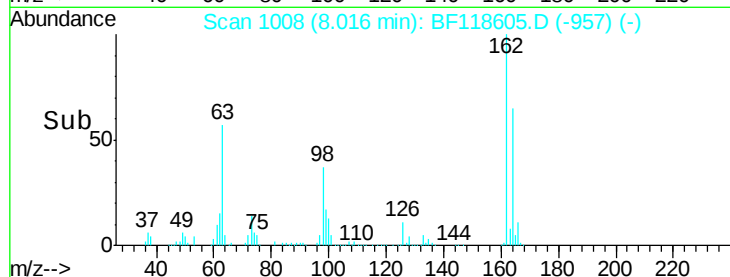
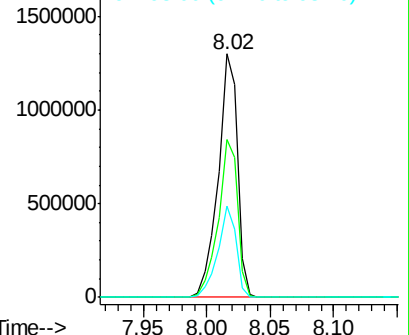
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 45.952 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

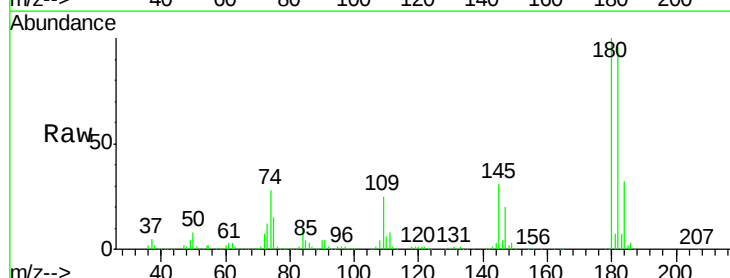
Tgt Ion:180 Resp: 1474512

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

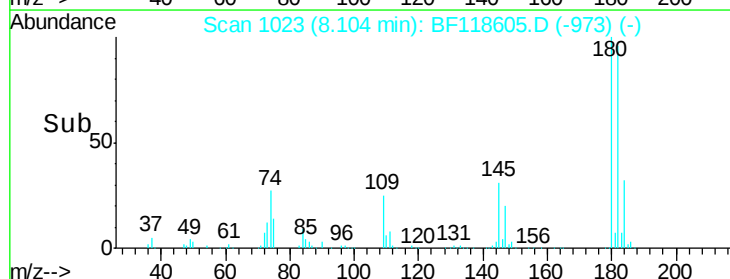
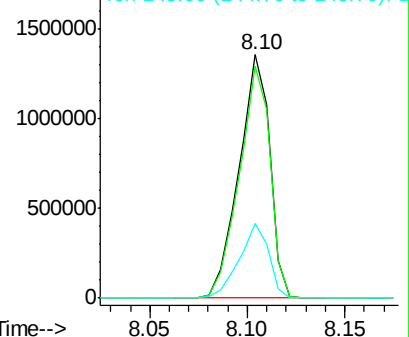
145 30.6 22.8 34.2

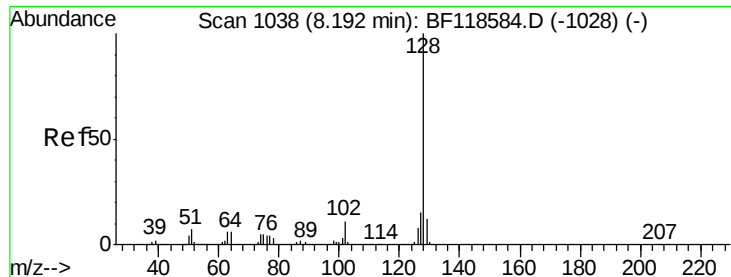


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





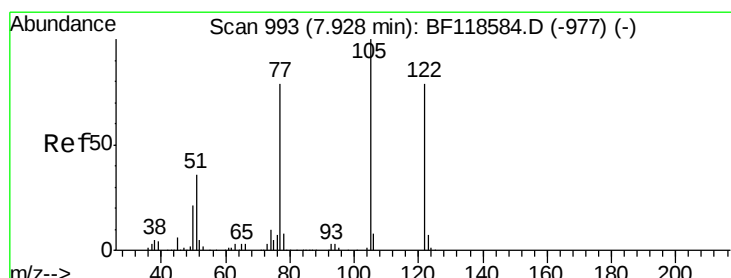
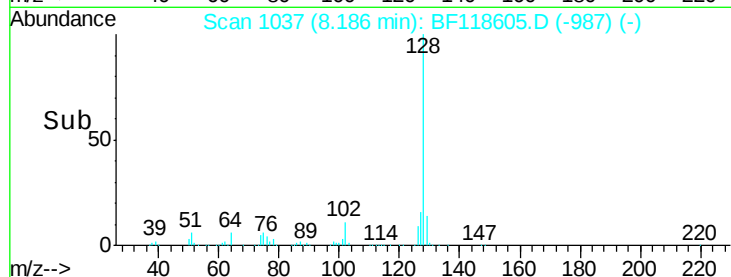
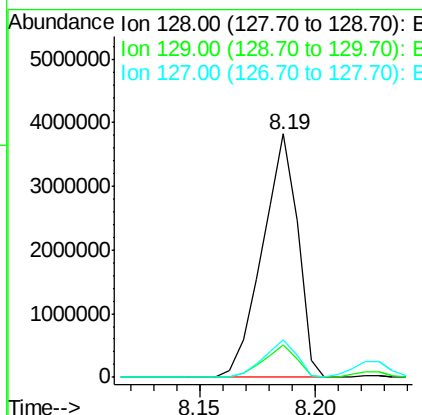
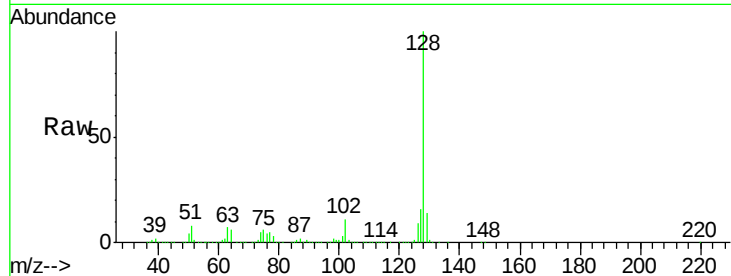
#31
Naphthalene
Concen: 48.420 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.5	9.9	14.9
127	15.6	12.0	18.0

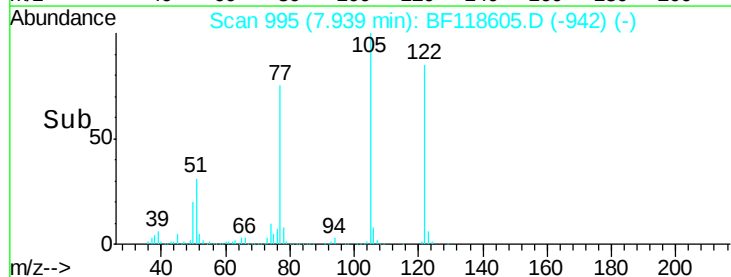
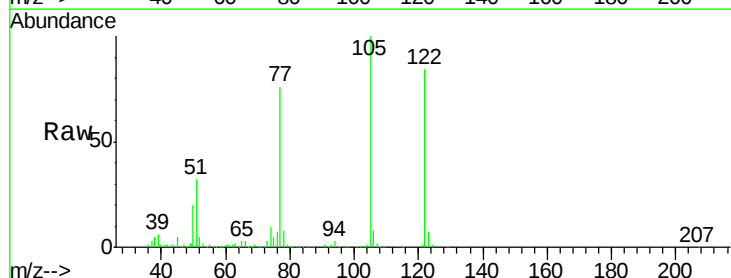
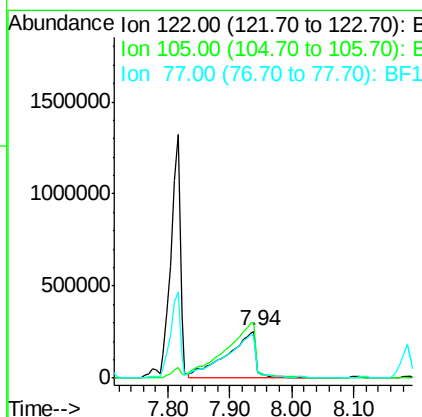
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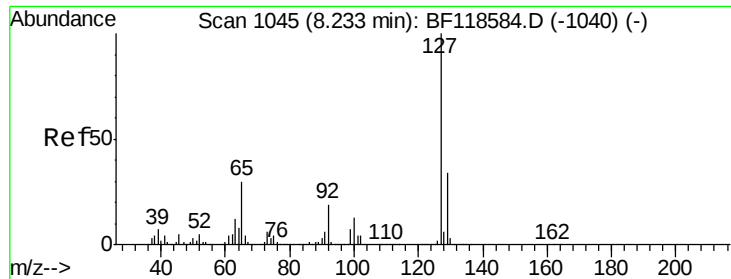
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#32
Benzoic acid
Concen: 45.186 ng
RT: 7.94 min Scan# 995
Delta R.T. 0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.4	104.3	144.3
77	89.9	79.4	119.4





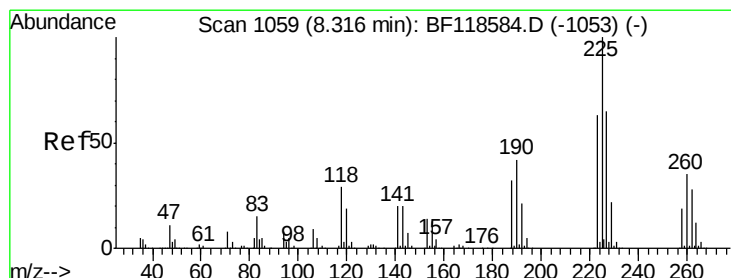
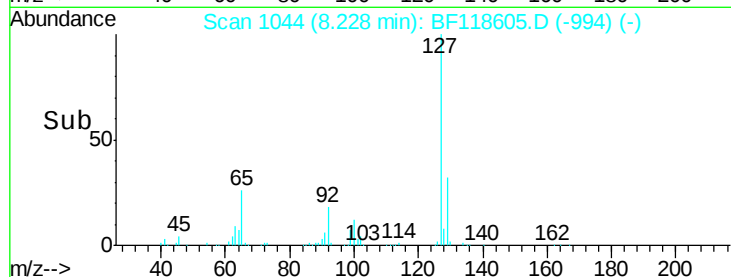
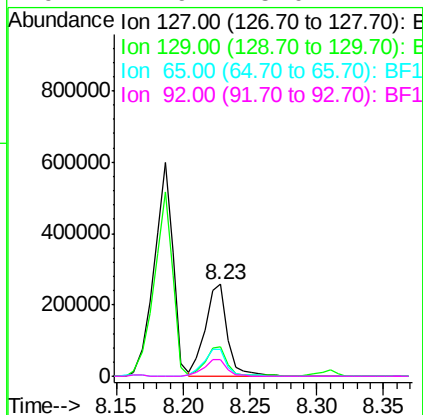
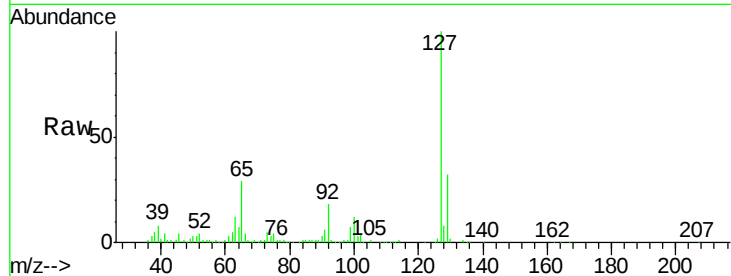
#33
4-Chloroaniline
Concen: 7.616 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		295298		
129	32.3	27.4	41.0		
65	29.1	23.6	35.4		
92	17.9	15.0	22.4		

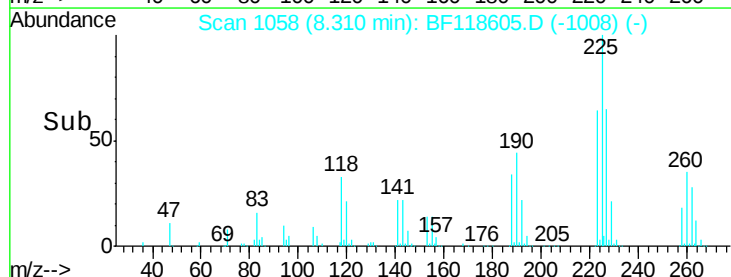
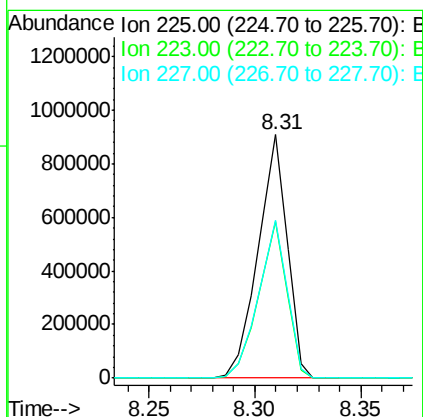
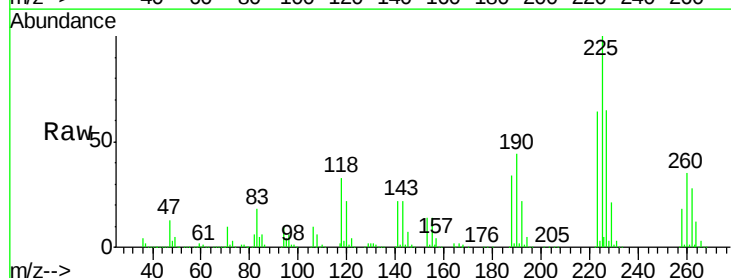
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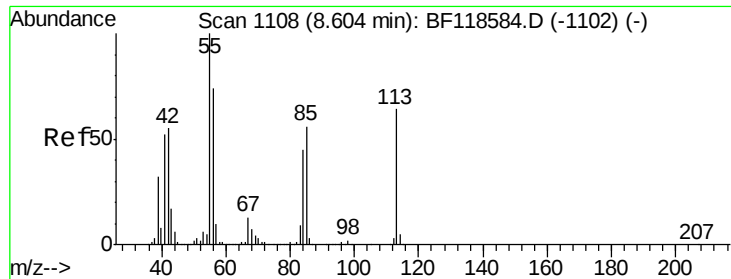
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#34
Hexachlorobutadiene
Concen: 44.647 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		872443		
223	64.1	50.2	75.4		
227	64.8	52.1	78.1		





#35

Caprolactam

Concen: 45.993 ng/ml

RT: 8.60 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:113 Resp: 416538

Ion Ratio Lower Upper

113 100

55 154.1 136.1 176.1

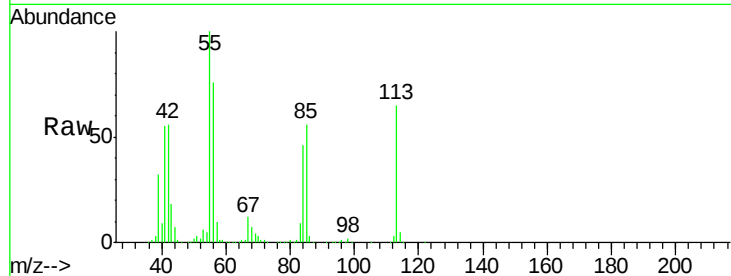
56 117.5 95.2 135.2

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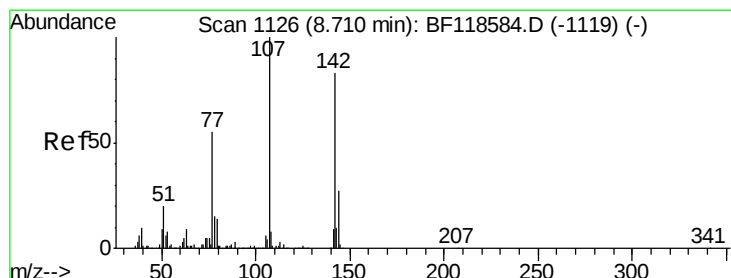
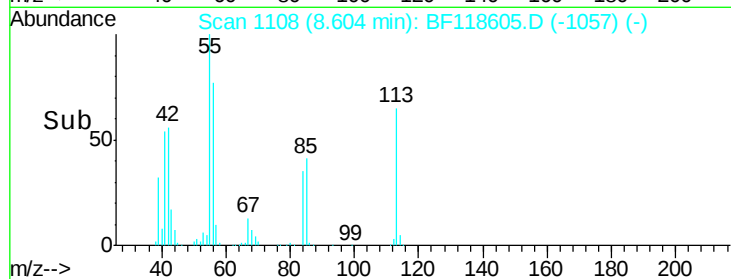
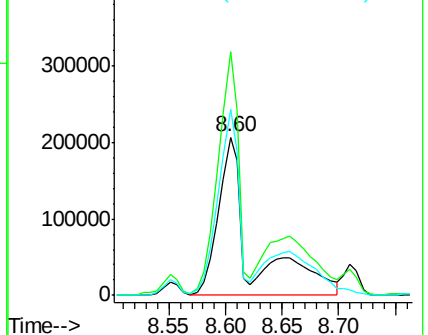
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 48.568 ng/ml

RT: 8.71 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

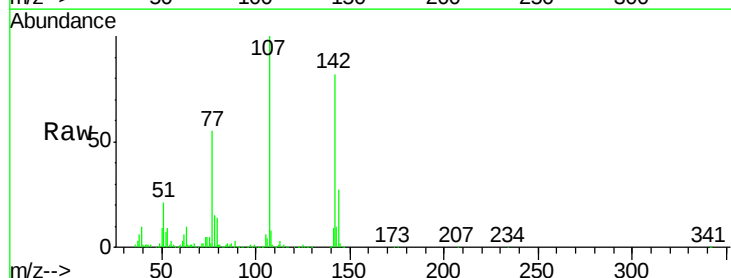
Tgt Ion:107 Resp: 1327290

Ion Ratio Lower Upper

107 100

144 27.0 21.8 32.8

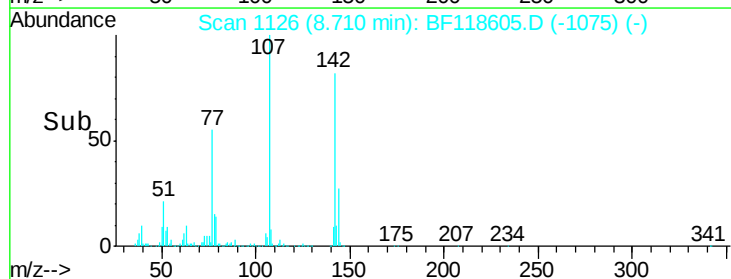
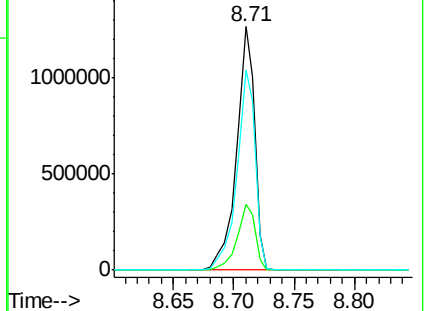
142 81.9 66.5 99.7

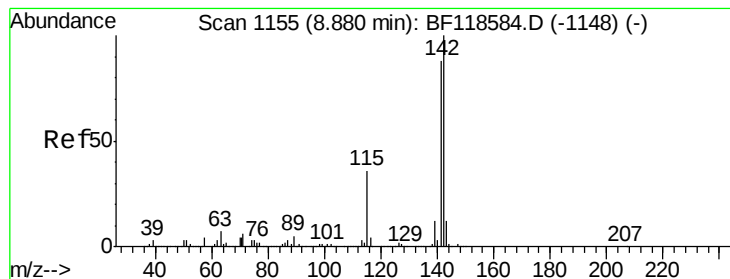


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 49.392 ng

RT: 8.88 min Scan# 1155

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:142 Resp: 2924765

Ion Ratio Lower Upper

142 100

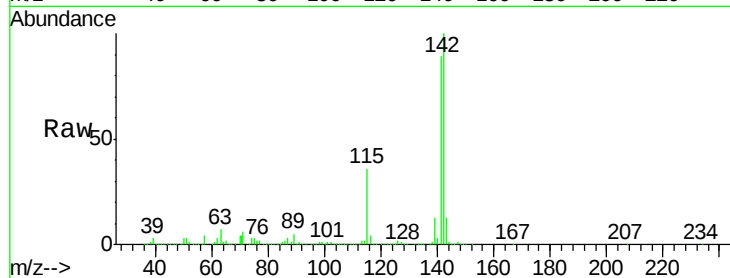
141 89.4 70.7 106.1

115 36.1 28.5 42.7

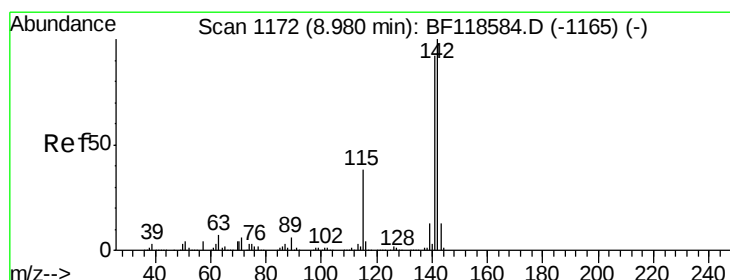
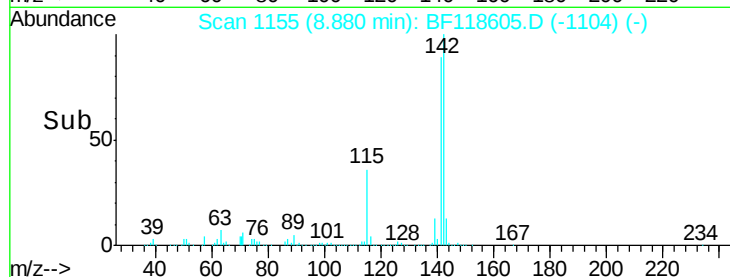
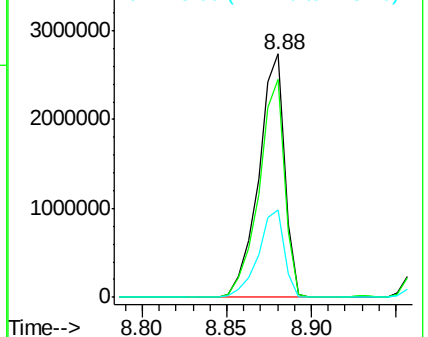
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 49.254 ng

RT: 8.98 min Scan# 1172

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

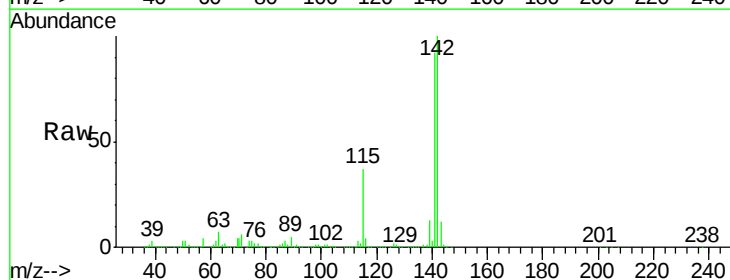
Tgt Ion:142 Resp: 2770901

Ion Ratio Lower Upper

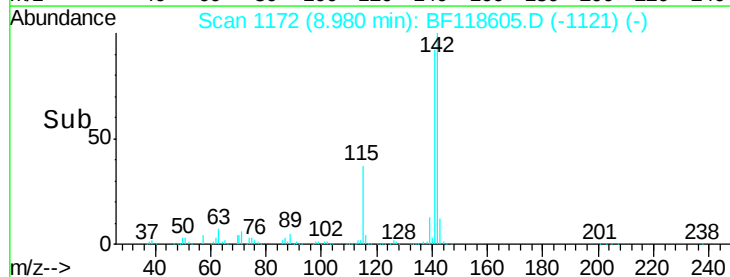
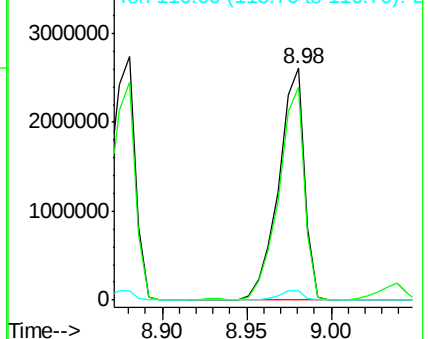
142 100

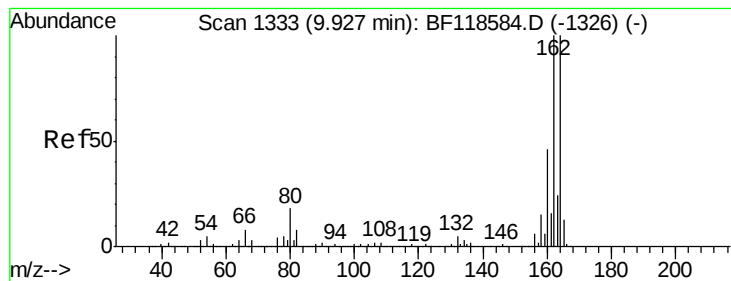
141 91.7 73.4 110.2

116 3.9 3.3 4.9



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:164 Resp: 1032627

Ion Ratio Lower Upper

164 100

162 102.0 80.4 120.6

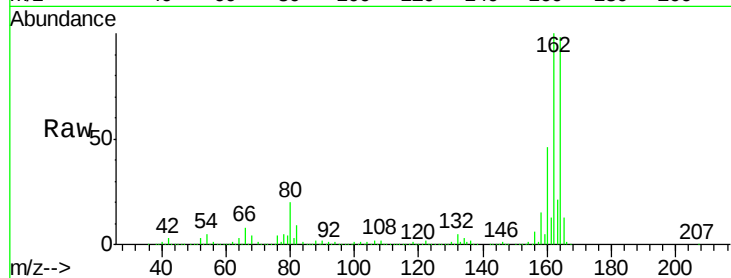
160 47.4 36.6 55.0

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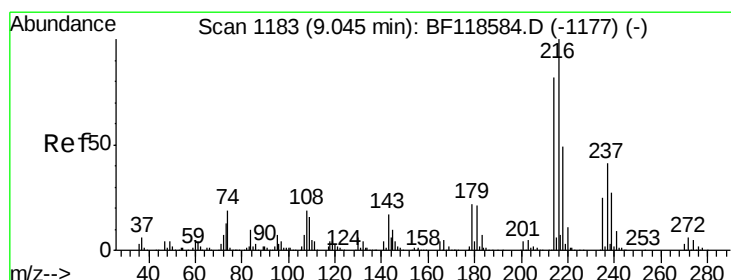
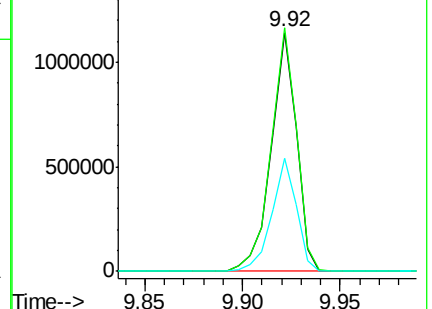
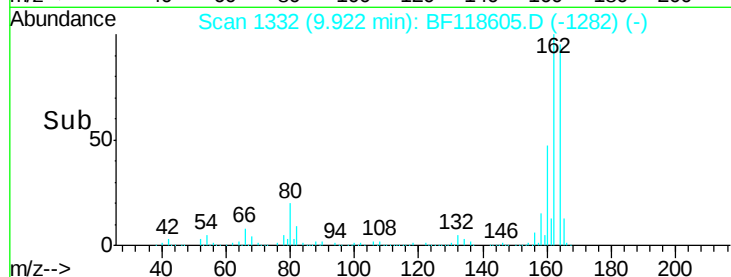


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.341 ng

RT: 9.05 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Tgt Ion:216 Resp: 1464969

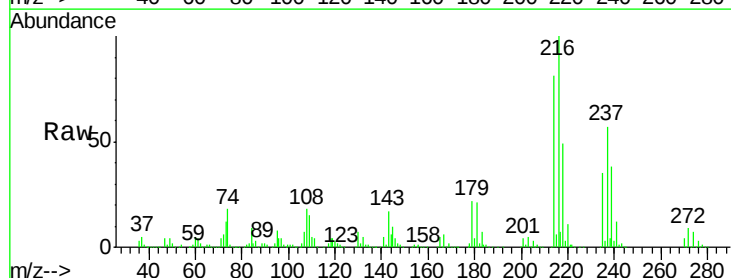
Ion Ratio Lower Upper

216 100

214 79.7 64.2 96.2

179 20.4 16.6 25.0

108 19.7 14.4 21.6



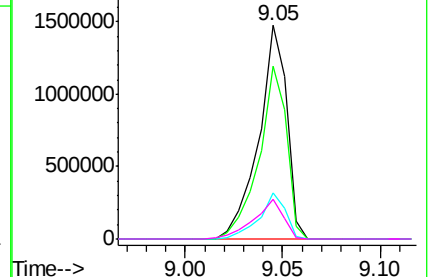
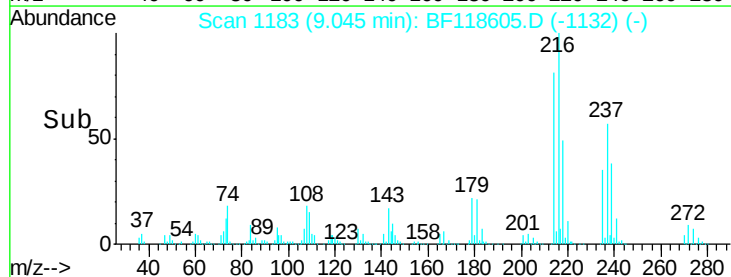
Abundance

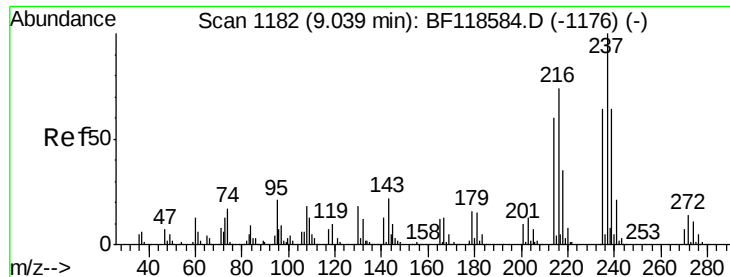
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 104.310 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:237 Resp: 1700423

Ion Ratio Lower Upper

237 100

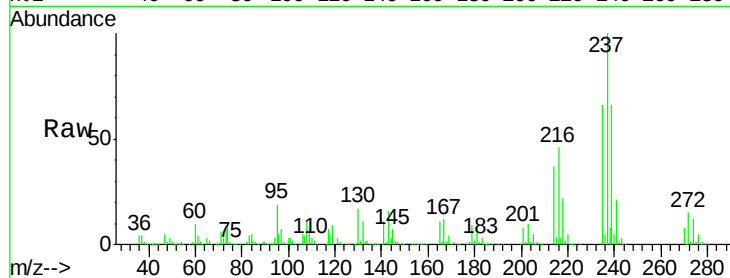
235 66.1 44.0 84.0

272 15.1 0.0 34.0

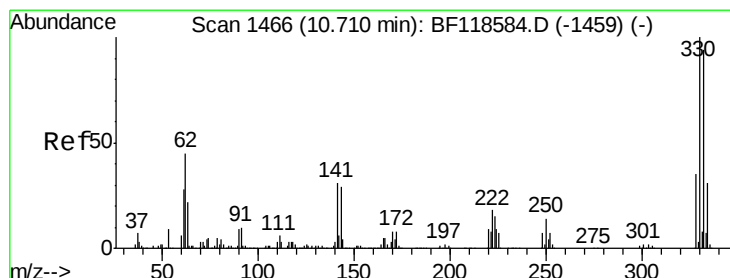
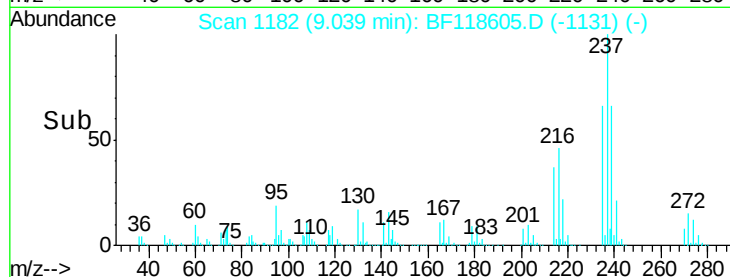
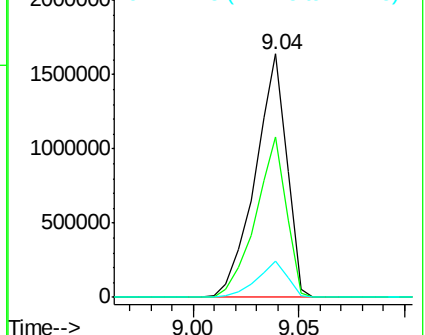
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 97.406 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

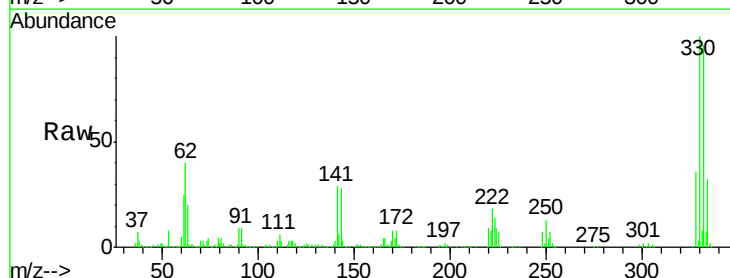
Tgt Ion:330 Resp: 1163382

Ion Ratio Lower Upper

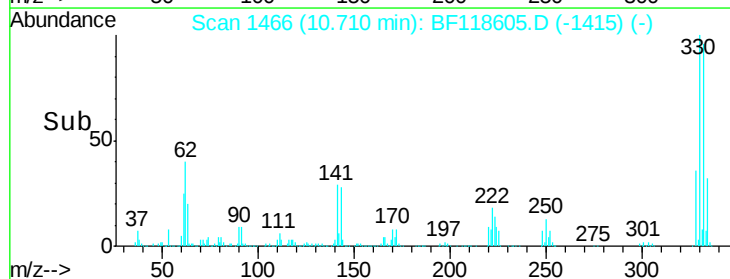
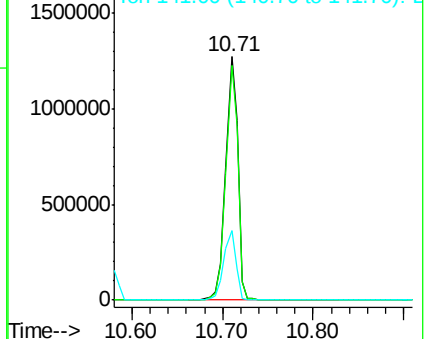
330 100

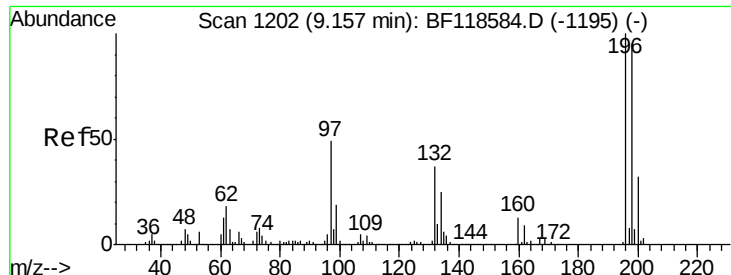
332 96.3 76.2 114.4

141 29.0 23.9 35.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





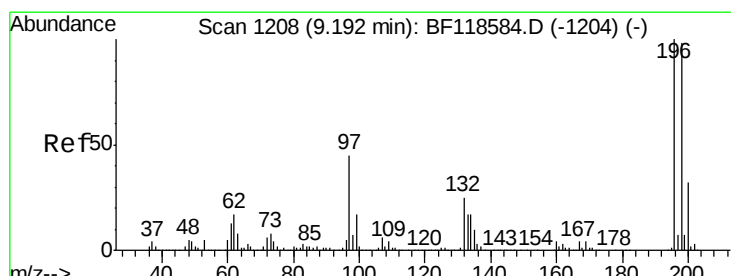
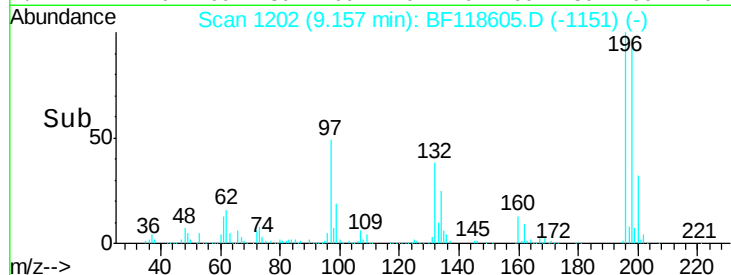
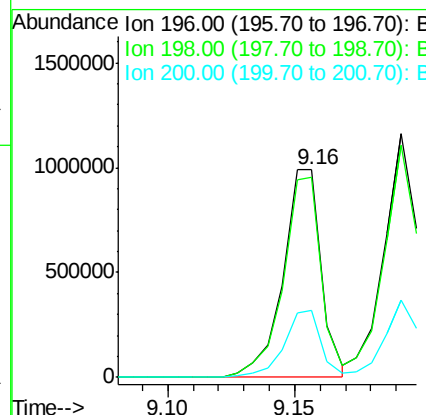
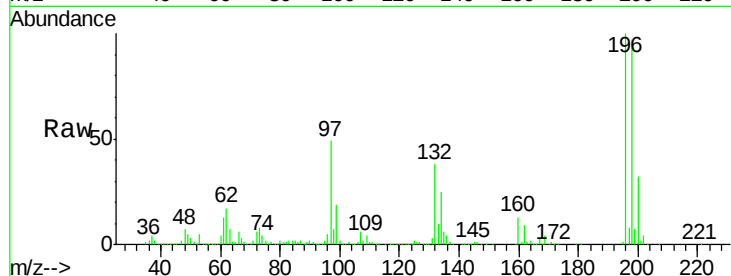
#43
 2,4,6-Trichlorophenol
 Concen: 48.730 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.3	114.5
200	32.2	25.4	38.2

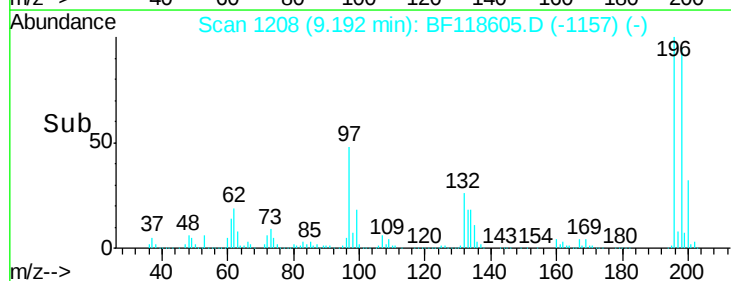
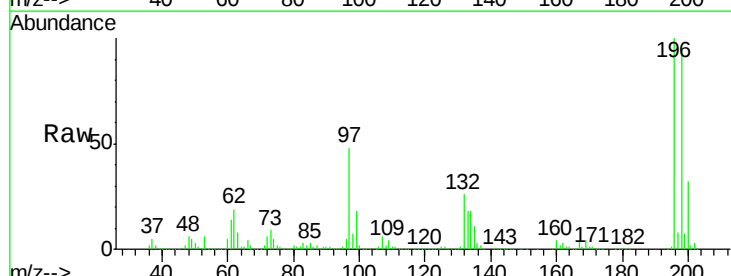
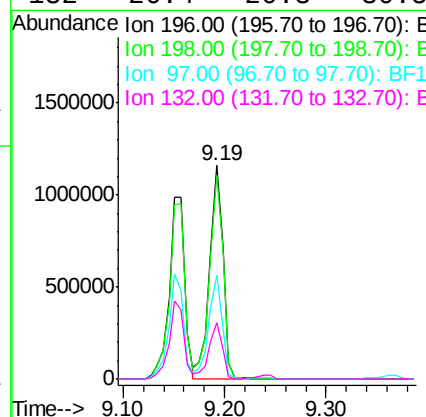
Manual Integrations
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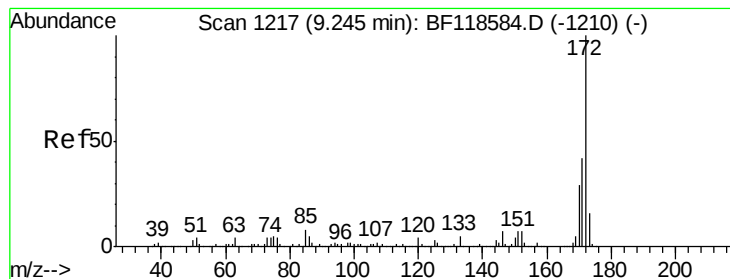
mohammad
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#44
 2,4,5-Trichlorophenol
 Concen: 48.337 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
196	100		
198	95.4	78.3	117.5
97	48.4	35.9	53.9
132	26.4	20.3	30.5





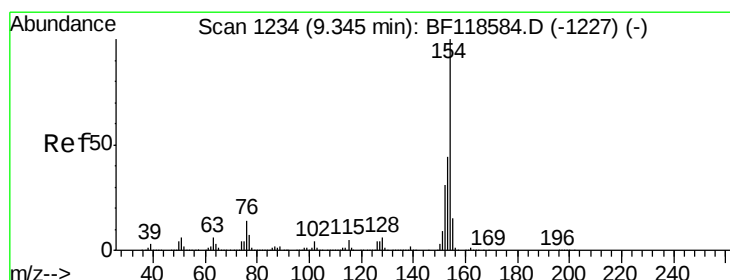
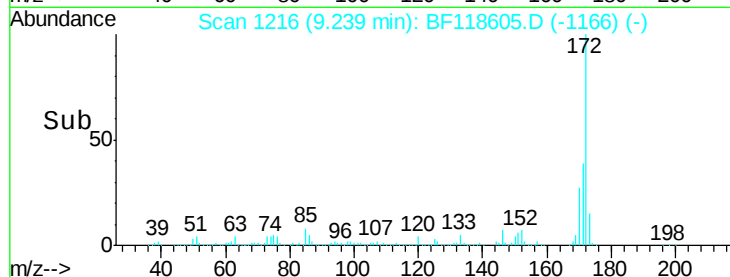
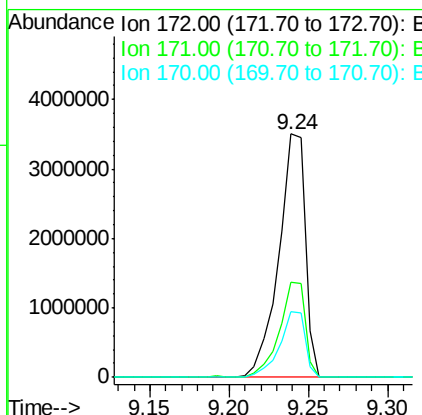
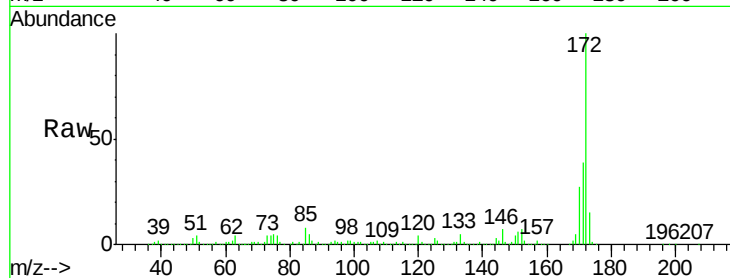
#45
2-Fluorobiphenyl
Concen: 64.868 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	39.3	33.4	50.2
170	27.0	23.2	34.8

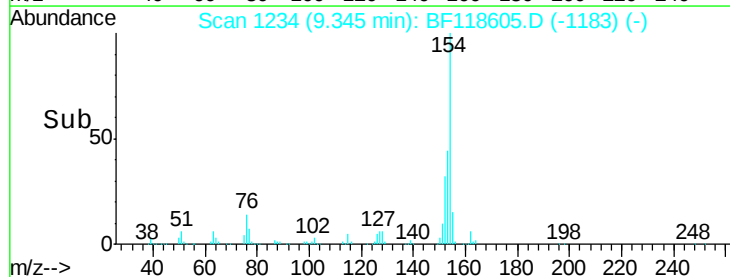
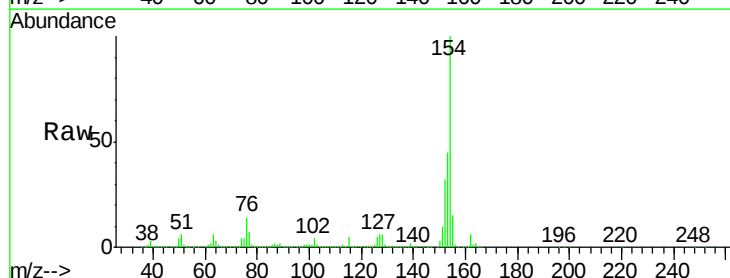
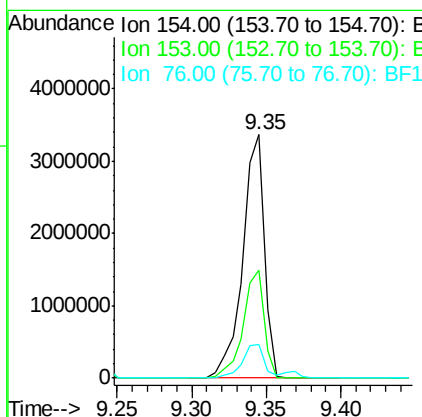
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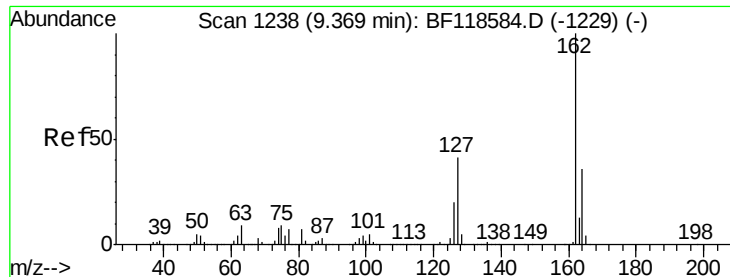
mohammad
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#46
1,1'-Biphenyl
Concen: 47.495 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	44.5	23.8	63.8
76	13.7	0.0	34.3





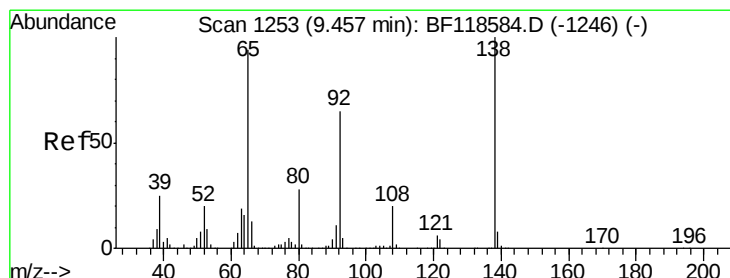
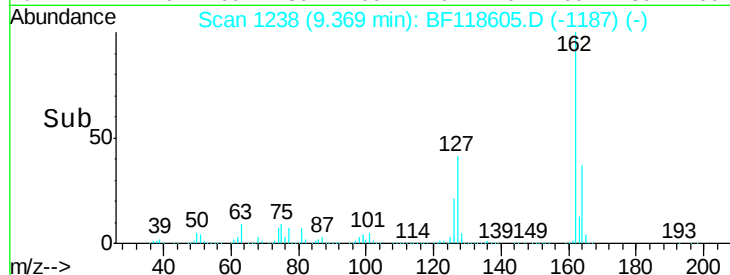
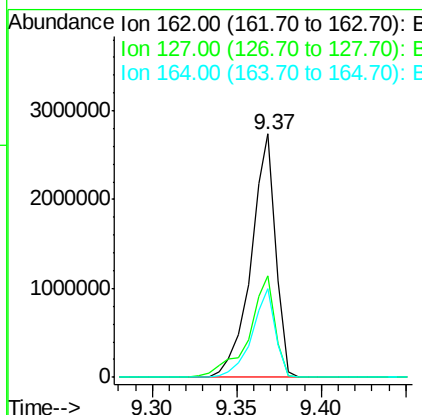
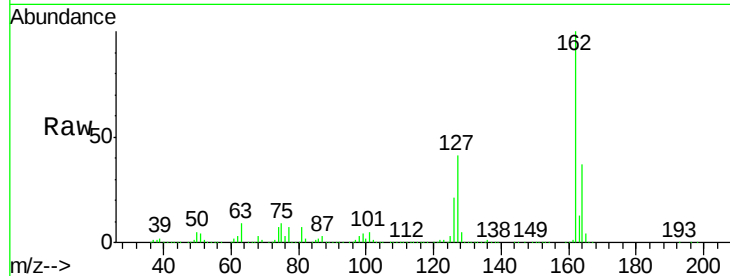
#47
 2-Chloronaphthalene
 Concen: 46.229 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.0	49.6
164	36.7	28.6	42.8

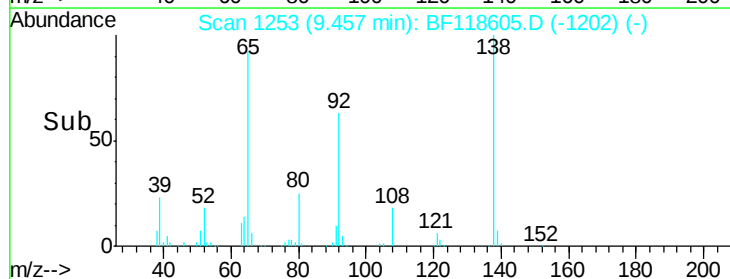
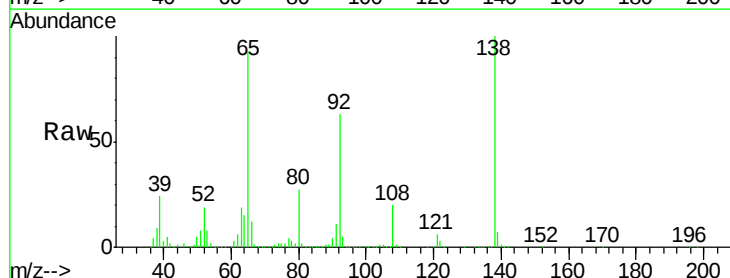
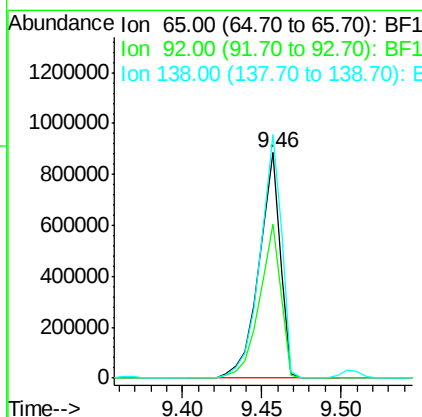
Manual Integrations
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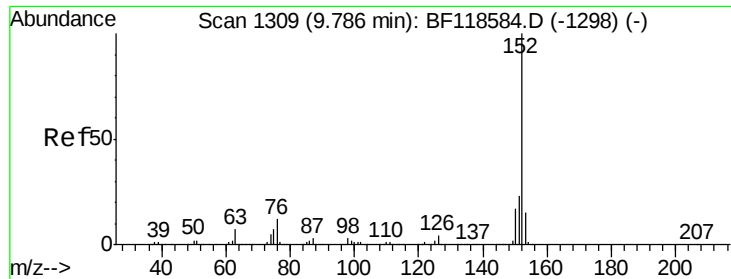
mohammad
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#48
 2-Nitroaniline
 Concen: 45.380 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.1	55.4	83.0
138	107.9	85.0	127.6





#49

Acenaphthylene

Concen: 48.307 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:152 Resp: 4076597

Ion Ratio Lower Upper

152 100

151 24.2 18.6 27.8

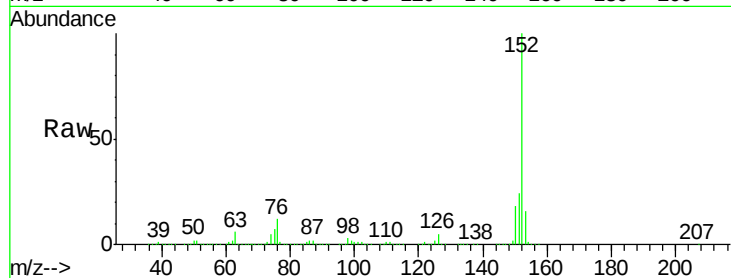
153 15.8 12.2 18.4

Manual Integrations

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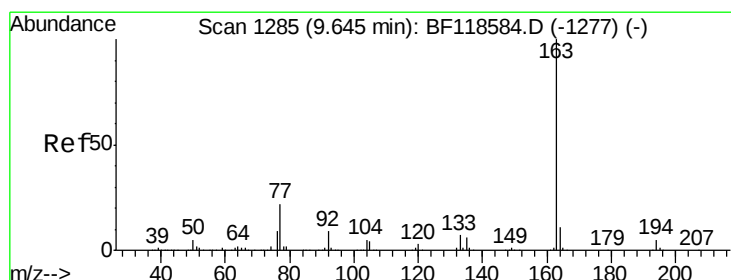
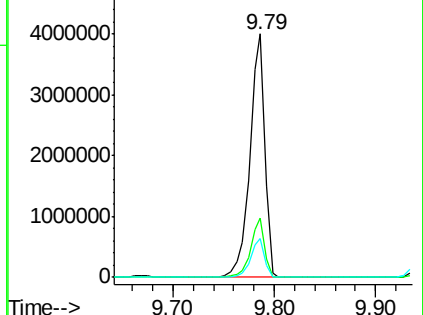
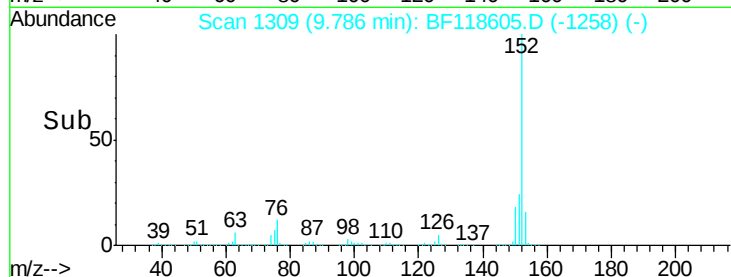
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 50.399 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

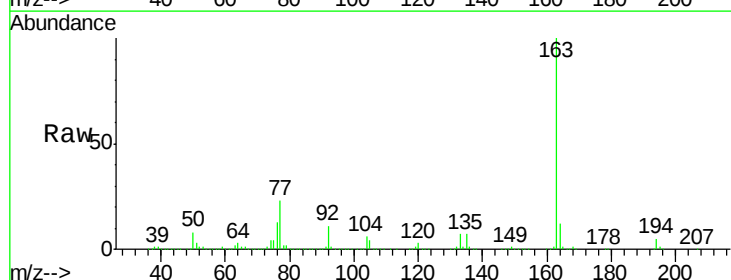
Tgt Ion:163 Resp: 3390671

Ion Ratio Lower Upper

163 100

194 5.2 3.9 5.9

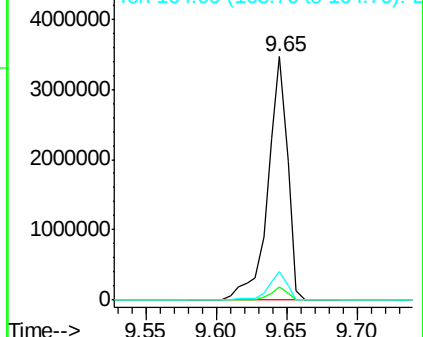
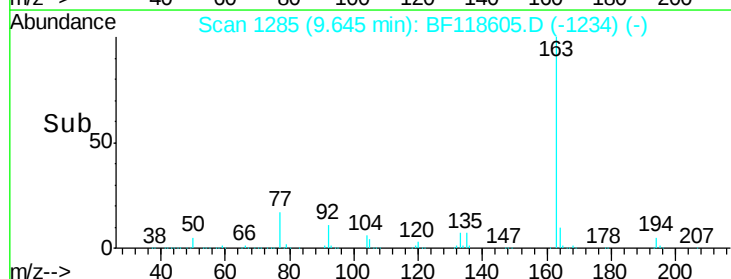
164 11.8 9.1 13.7

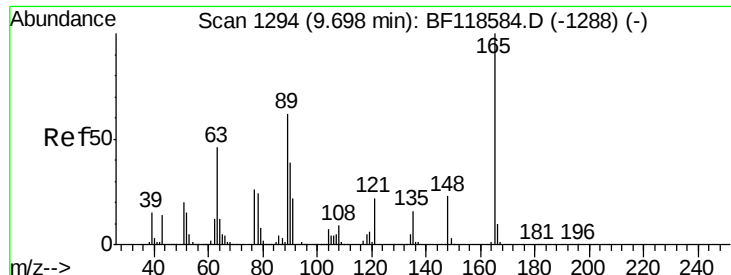


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





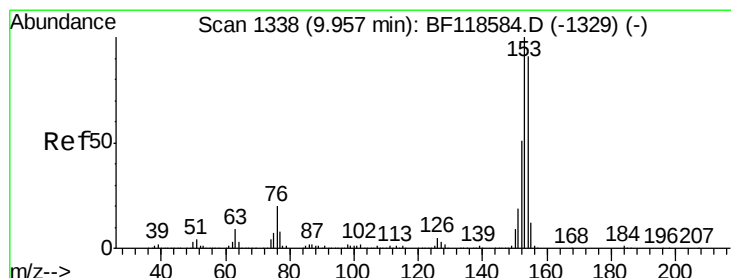
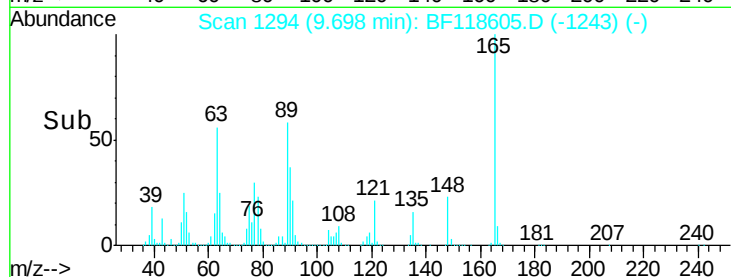
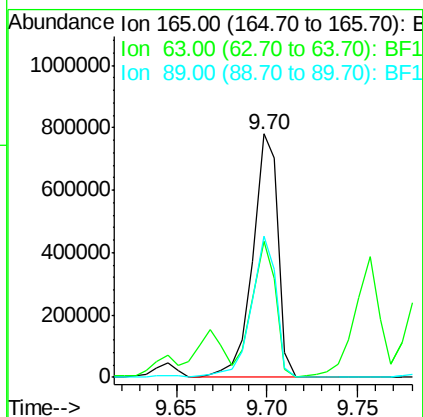
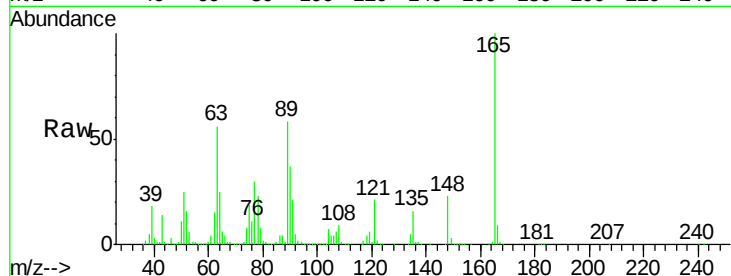
#51
 2,6-Dinitrotoluene
 Concen: 49.998 ng
 RT: 9.70 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	56.0	48.9	73.3
89	58.1	49.8	74.6

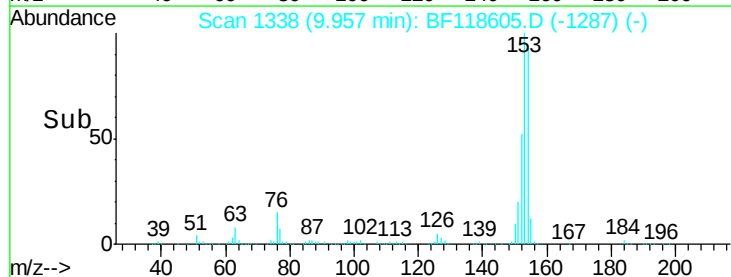
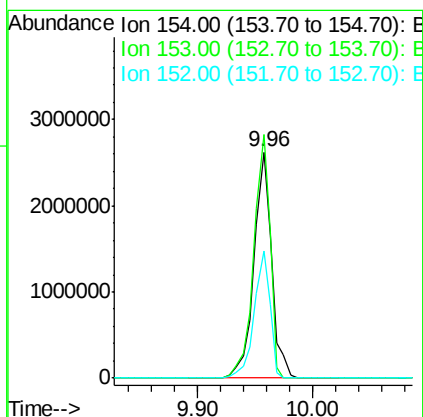
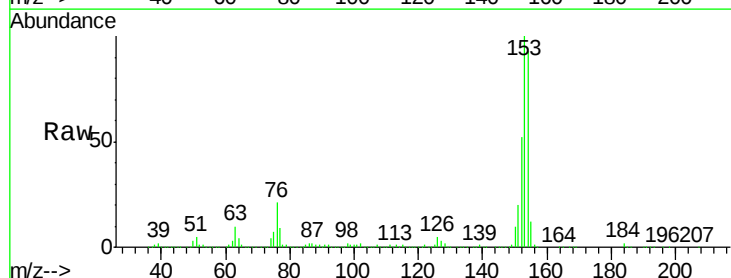
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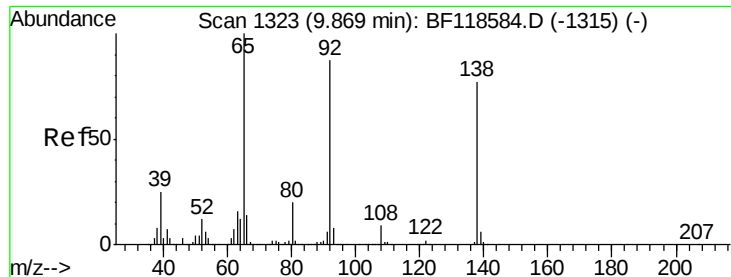
mohammad
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#52
 Acenaphthene
 Concen: 49.330 ng
 RT: 9.96 min Scan# 1338
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	107.8	87.6	131.4
152	56.5	44.4	66.6





#53

3-Nitroaniline

Concen: 16.200 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

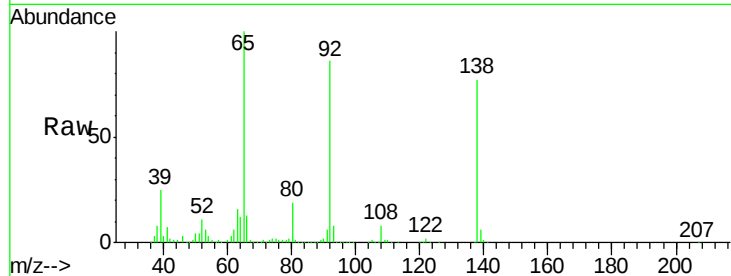
ClientSampleId :

B3-15-20MSD

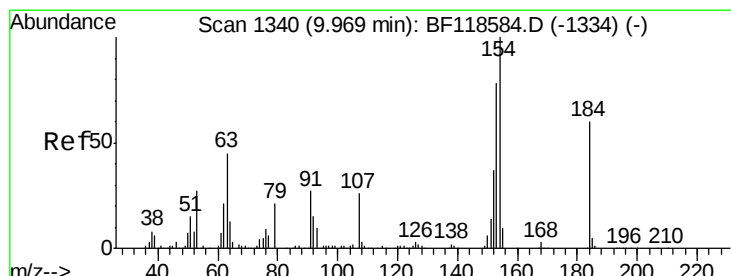
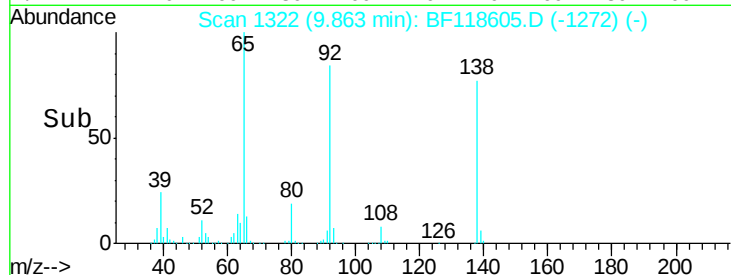
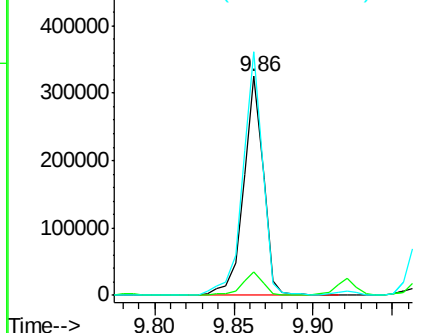
Tot Ion:	138	Resp:	278686
Ion Ratio	Lower	Upper	
138	100		
108	10.6	9.6	14.4
92	111.3	90.6	136.0

Manual Integrations
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Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 80.553 ng

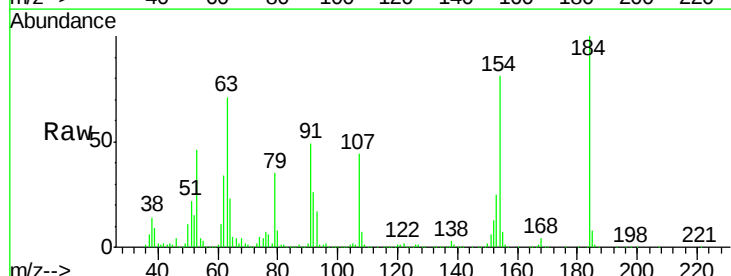
RT: 9.97 min Scan# 1340

Delta R.T. 0.00 min

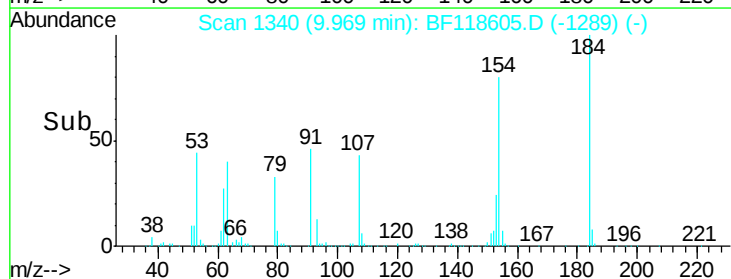
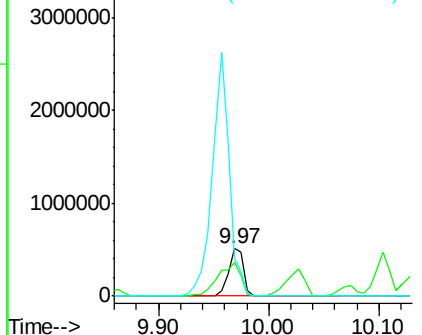
Lab File: BF118605.D

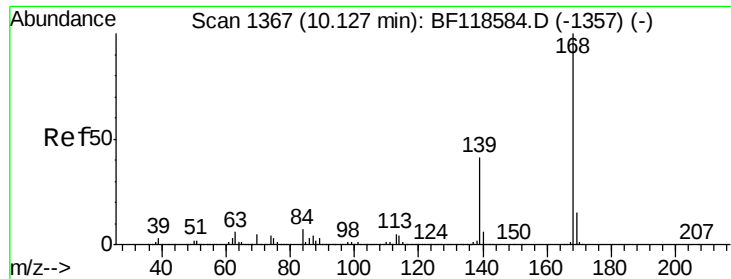
Acq: 20 Jan 2020 21:48

Tgt Ion:	184	Resp:	484477
Ion Ratio	Lower	Upper	
184	100		
63	70.8	60.6	90.8
154	80.7	137.3	205.9#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





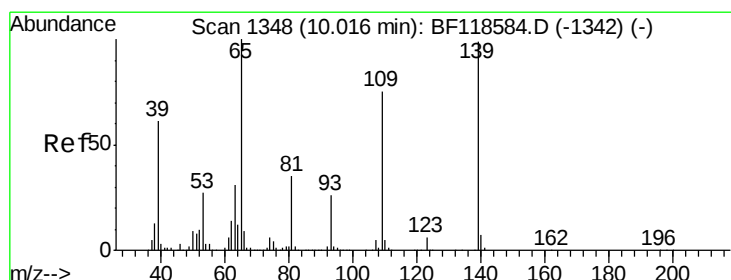
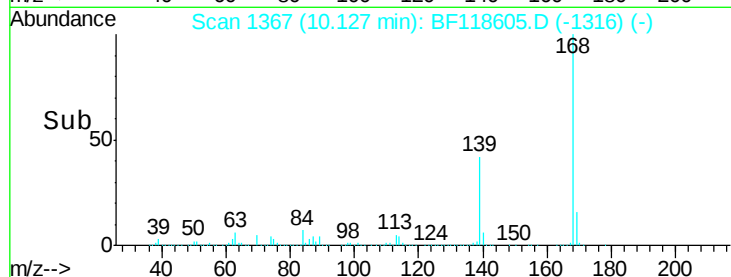
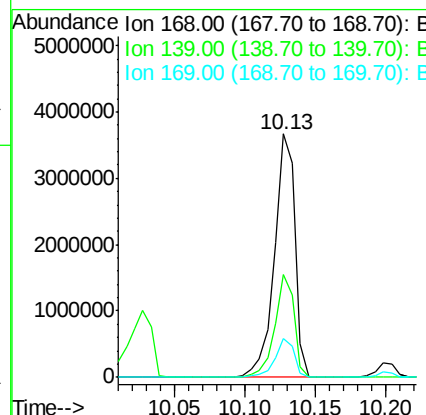
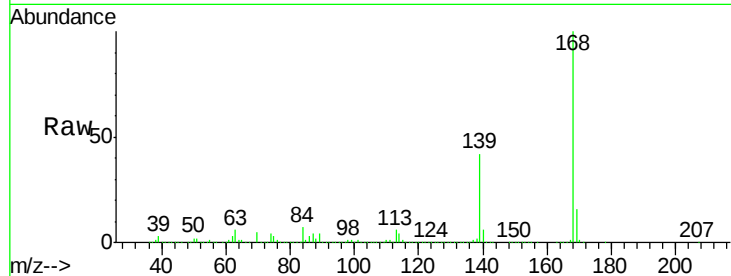
#55
Dibenzenofuran
Concen: 47.833 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.1	32.7	49.1
169	16.0	12.2	18.2

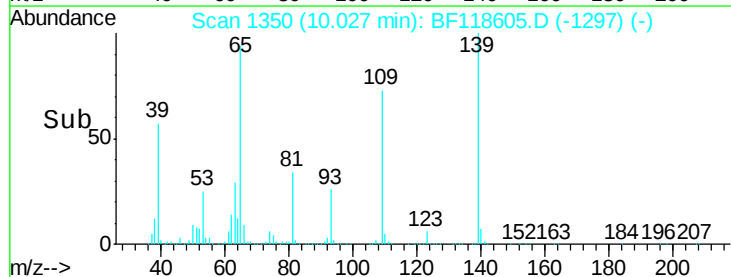
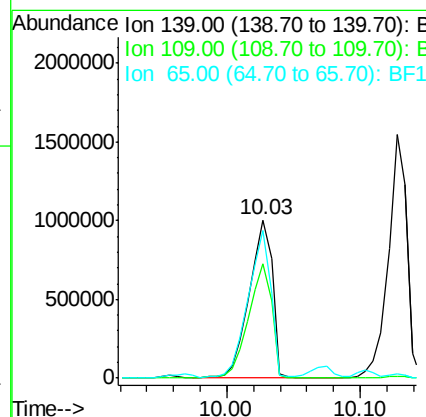
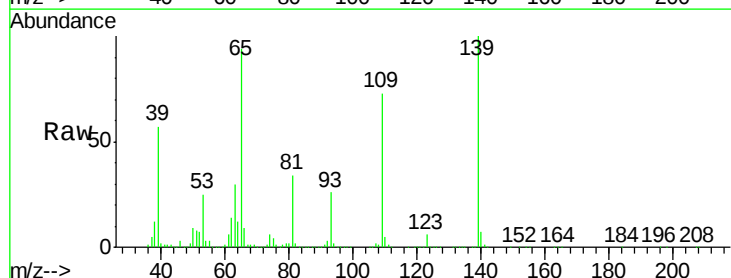
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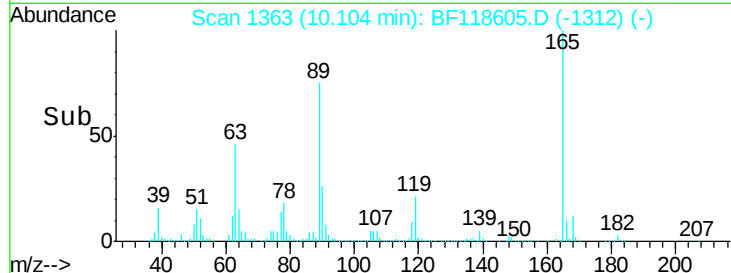
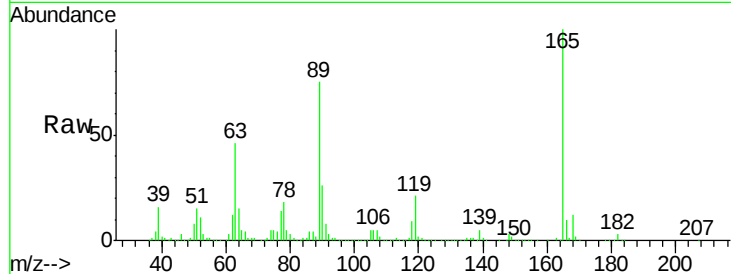
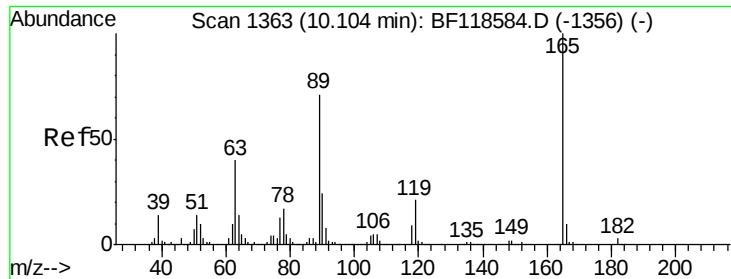
mohammad
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#56
4-Nitrophenol
Concen: 91.638 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
139	100		
109	72.6	56.0	96.0
65	93.7	81.4	121.4





#57

2,4-Dinitrotoluene

Concen: 51.063 ng

RT: 10.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:165 Resp: 969779

Ion Ratio Lower Upper

165 100

63 45.9 32.4 48.6

89 74.6 56.4 84.6

182 2.7 2.3 3.5

Manual Integrations

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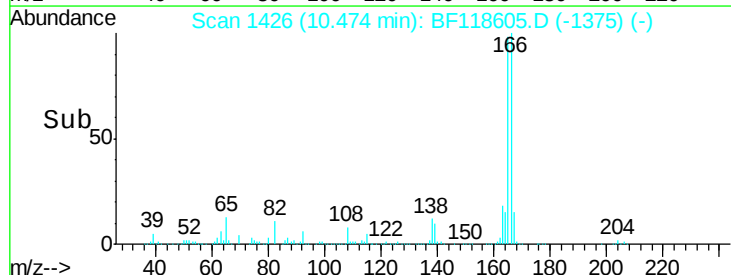
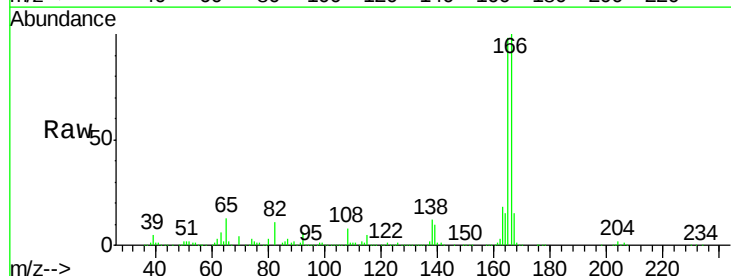
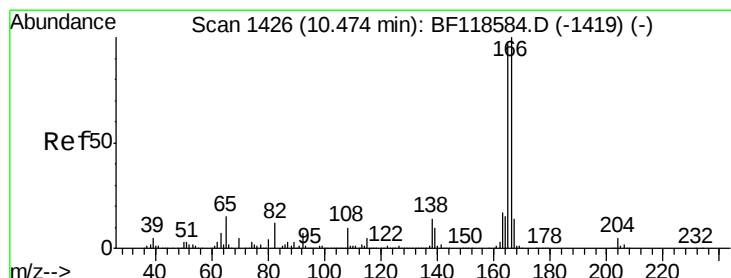
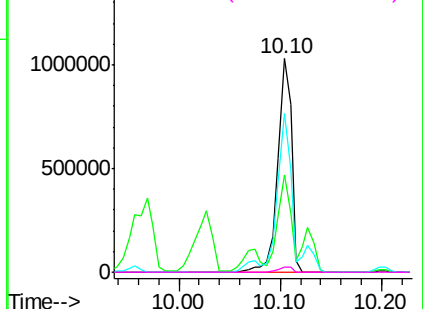
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 46.295 ng

RT: 10.47 min Scan# 1426

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Tgt Ion:166 Resp: 2842090

Ion Ratio Lower Upper

166 100

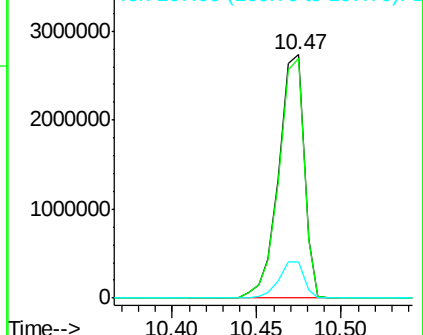
165 98.2 77.3 115.9

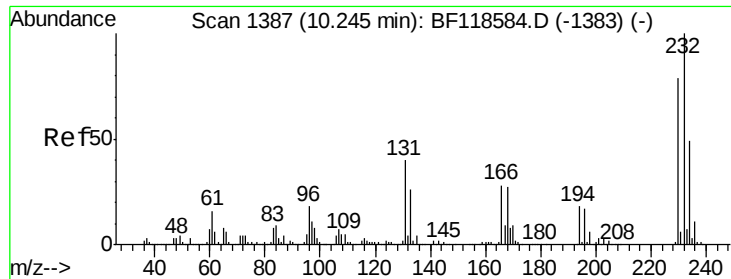
167 14.8 11.5 17.3

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 47.083 ng

RT: 10.25 min Scan# 1387

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:232 Resp: 906804
Ion Ratio Lower Upper

232 100

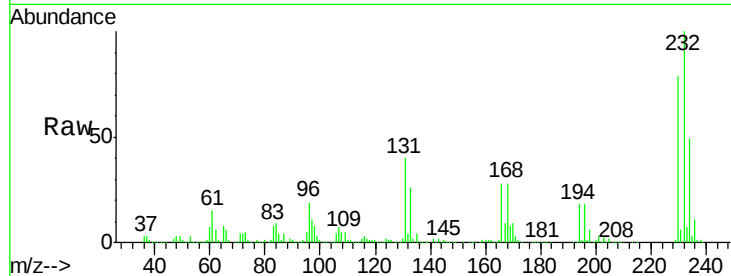
131 41.7 33.2 49.8

130 2.1 1.8 2.6

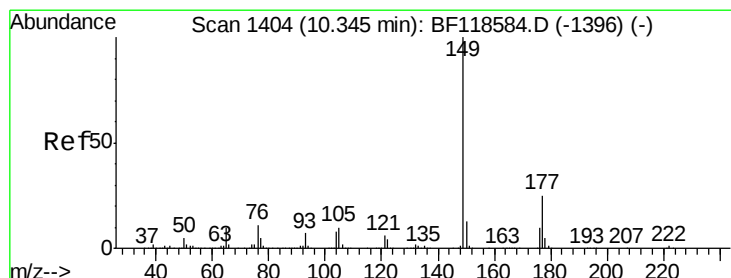
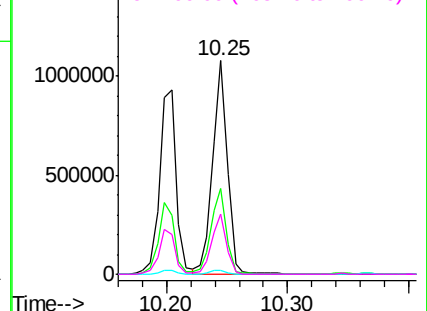
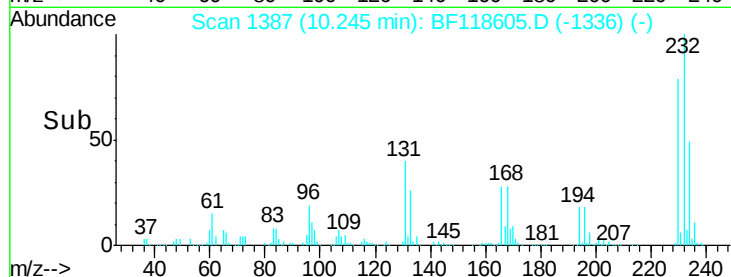
166 28.1 22.6 33.8

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Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 46.336 ng

RT: 10.35 min Scan# 1404

Delta R.T. 0.00 min

Lab File: BF118605.D

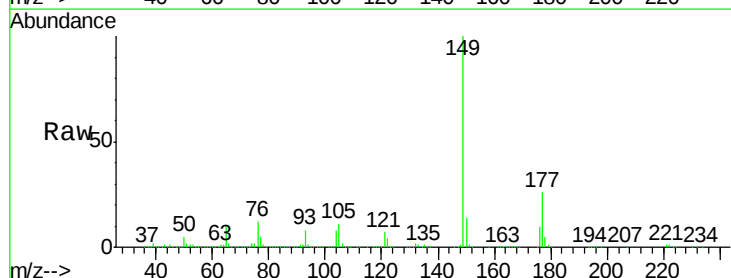
Acq: 20 Jan 2020 21:48

Tgt Ion:149 Resp: 3022521
Ion Ratio Lower Upper

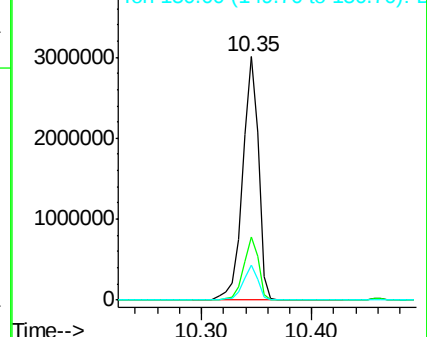
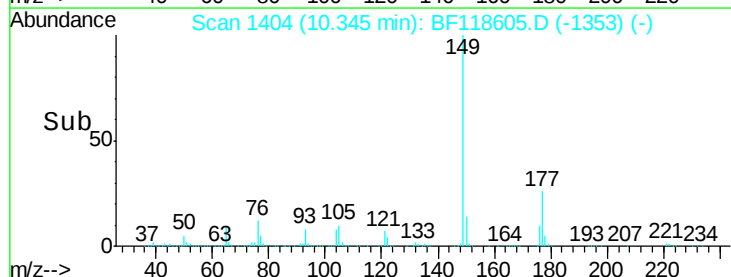
149 100

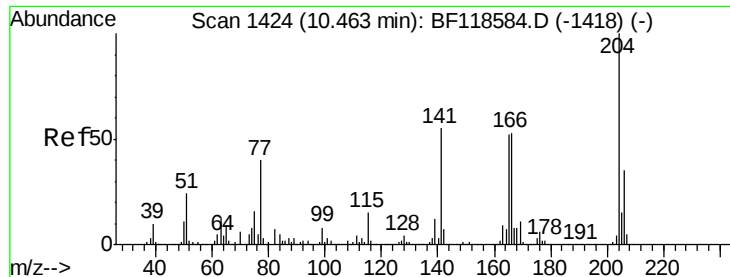
177 26.2 20.0 30.0

150 14.2 10.6 16.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





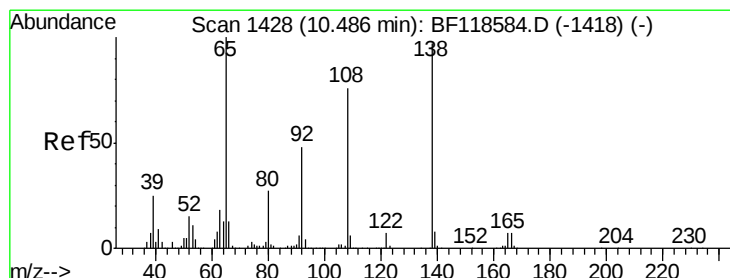
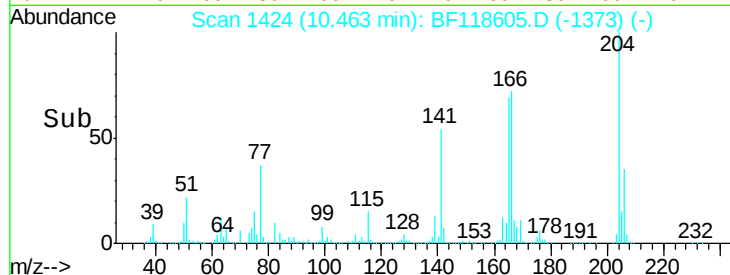
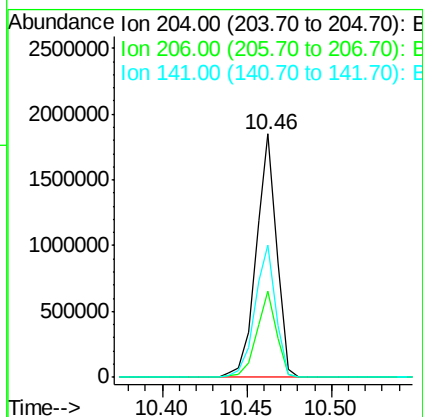
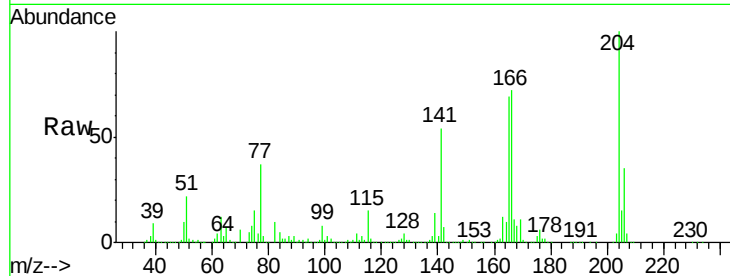
#61
4-Chlorophenyl-phenylether
Concen: 46.743 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.2	27.8	41.6
141	54.3	43.7	65.5

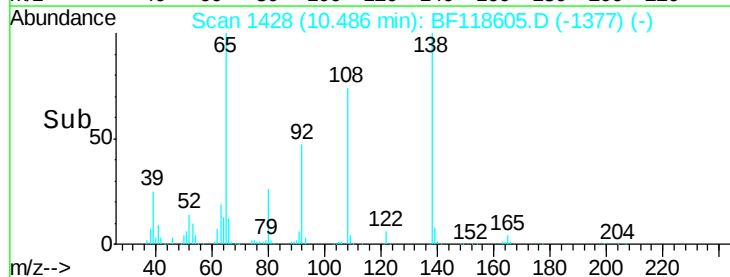
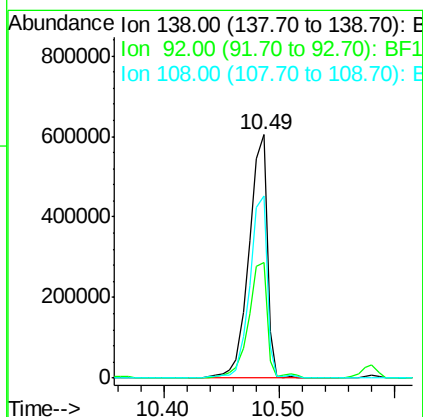
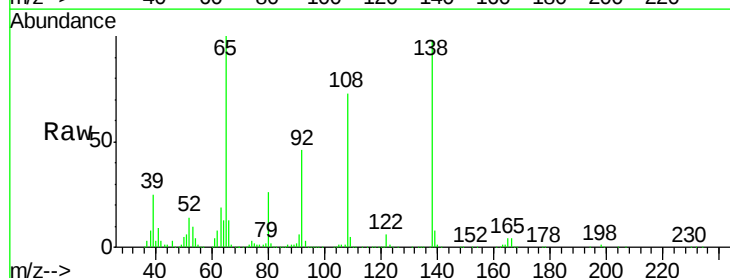
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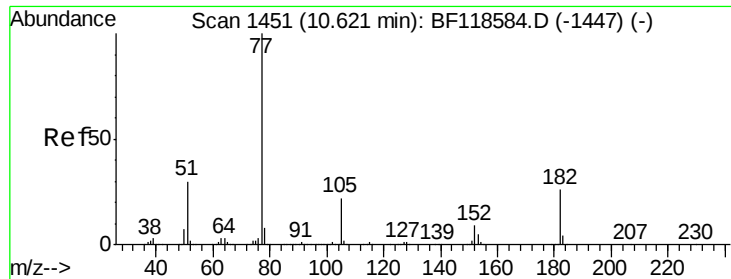
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#62
4-Nitroaniline
Concen: 37.473 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.4	29.4	69.4
108	74.7	58.2	98.2





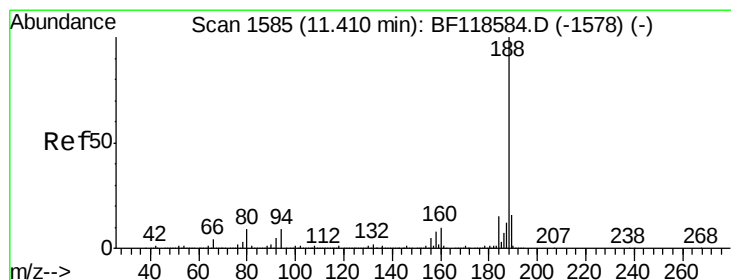
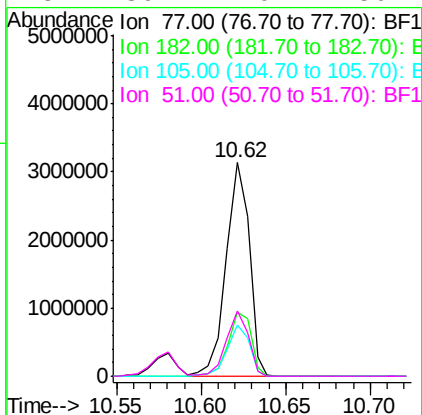
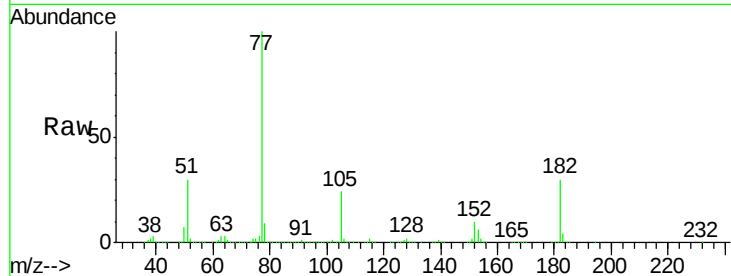
#63
Azobenzene
Concen: 47.061 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	30.1	5.6	45.6
105	24.0	2.0	42.0
51	30.4	10.2	50.2

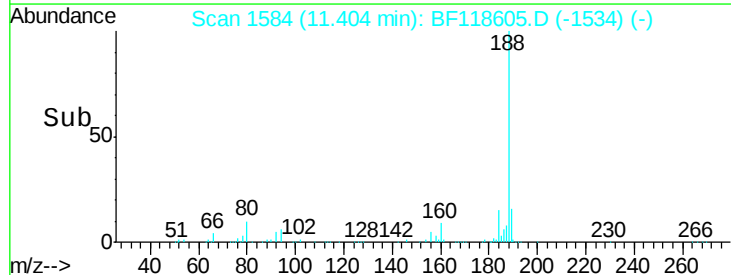
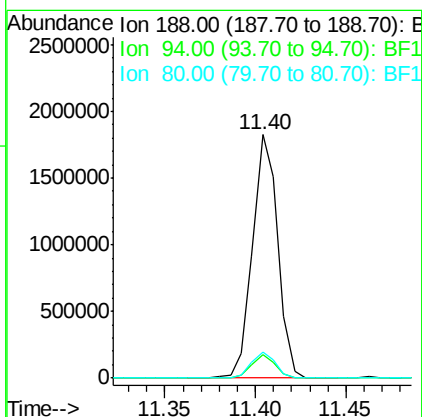
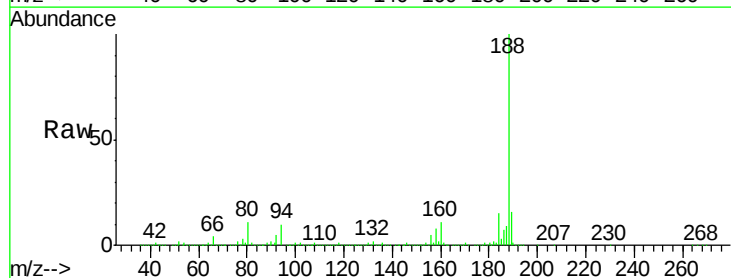
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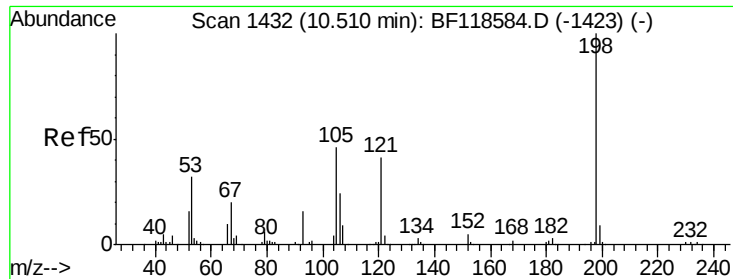
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.1	10.7
80	10.6	7.5	11.3





#65

4,6-Dinitro-2-methylphenol

Concen: 50.287 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

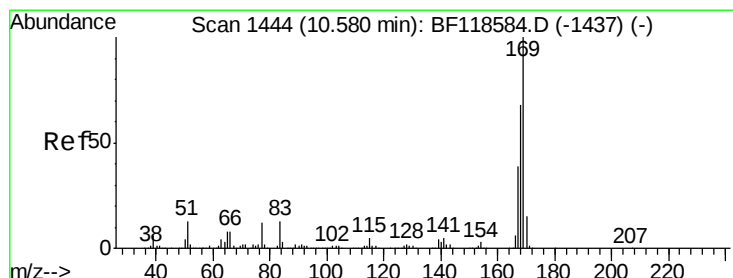
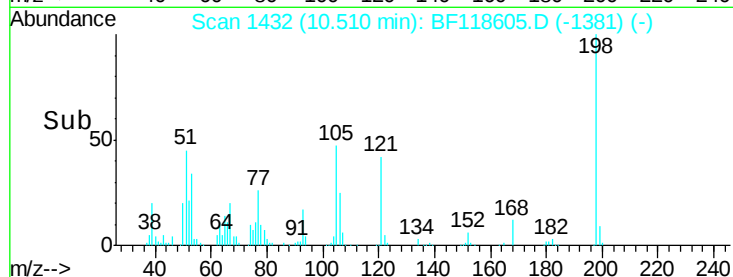
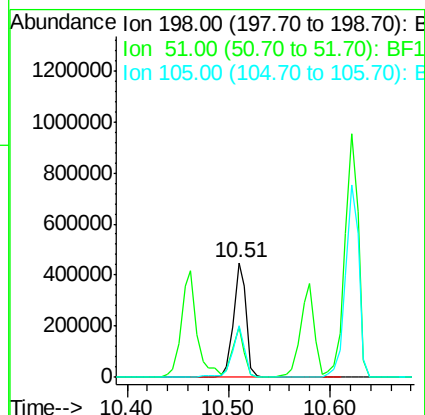
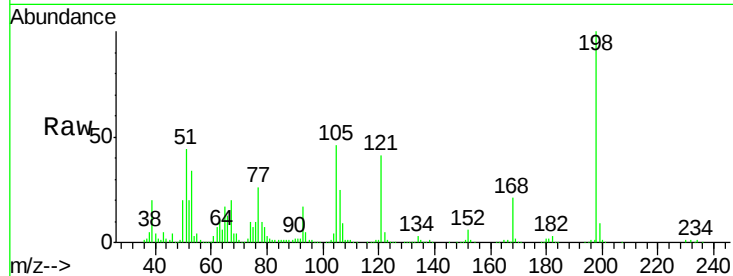
ClientSampleId :

B3-15-20MSD

Tot Ion:	198	Resp:	389766
Ion Ratio	Lower	Upper	
198	100		
51	44.2	25.2	65.2
105	45.5	26.3	66.3

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#66

n-Nitrosodiphenylamine

Concen: 50.008 ng

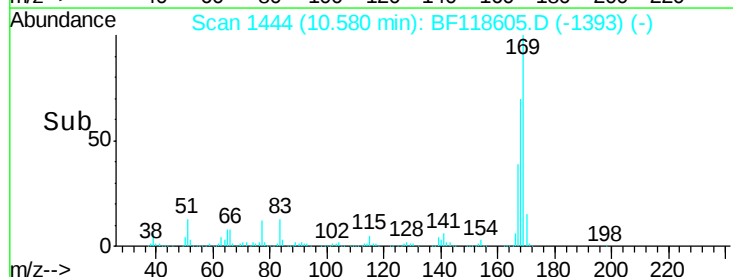
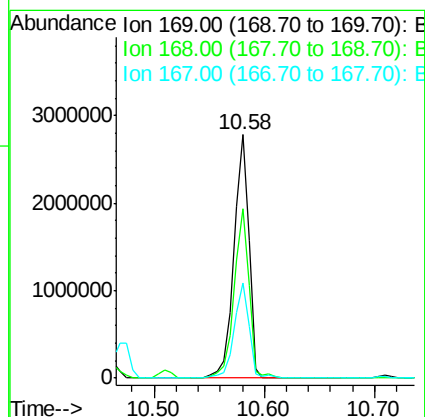
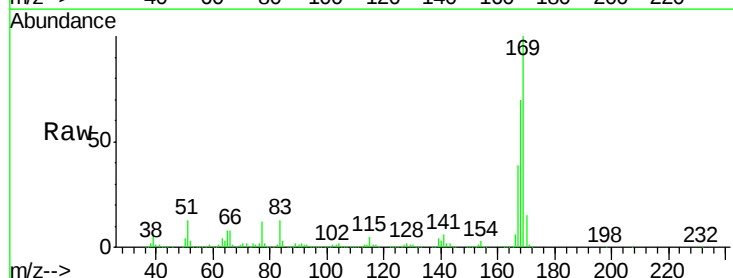
RT: 10.58 min Scan# 1444

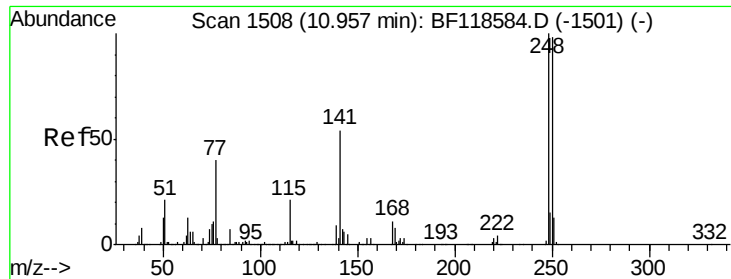
Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Tgt Ion:	169	Resp:	2658313
Ion Ratio	Lower	Upper	
169	100		
168	69.8	54.6	82.0
167	39.3	30.9	46.3





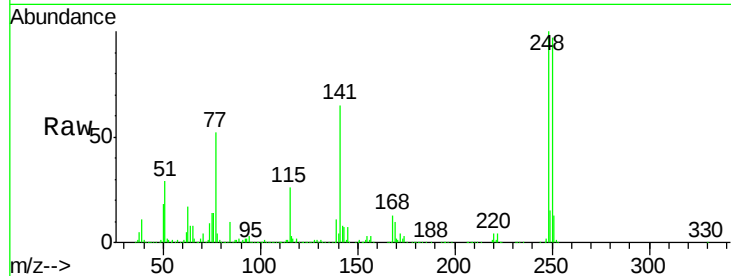
#67
4-Bromophenyl-phenylether
Concen: 49.143 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

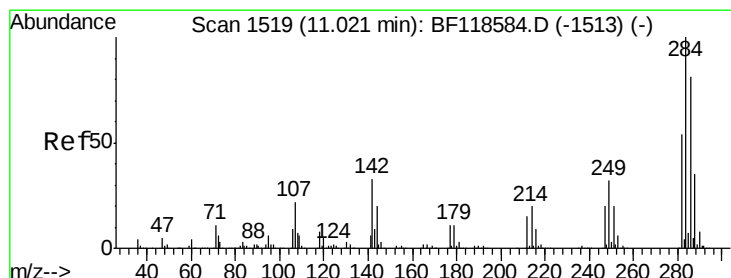
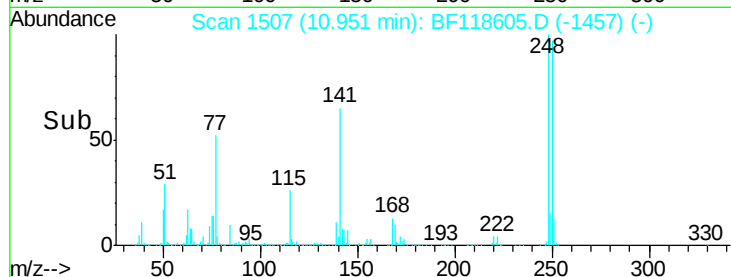
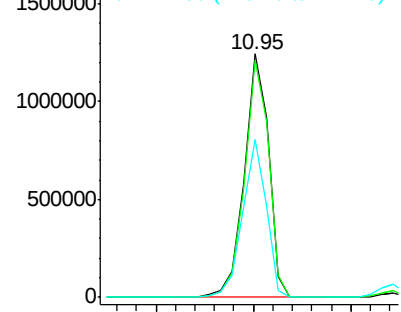
Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	78.7	118.1
141	64.9	43.2	64.8

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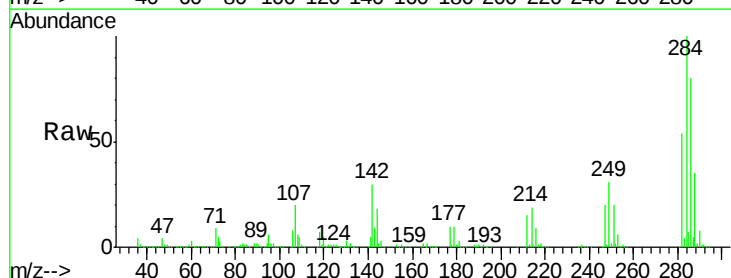


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

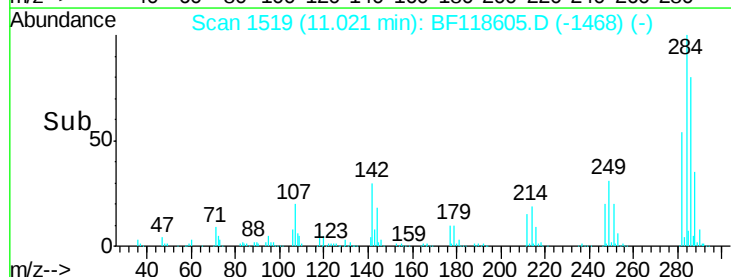
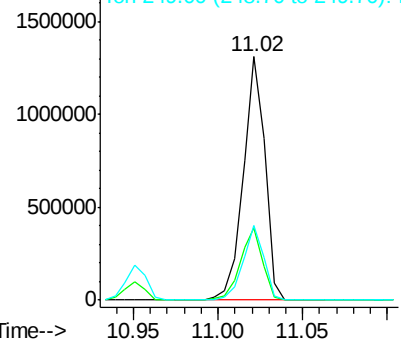


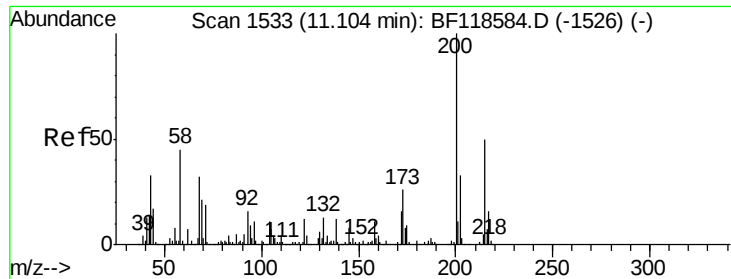
#68
Hexachlorobenzene
Concen: 47.432 ng
RT: 11.02 min Scan# 1519
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.8	26.6	39.8
249	30.9	25.2	37.8



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





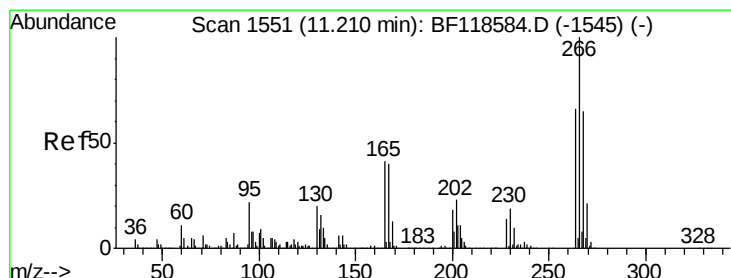
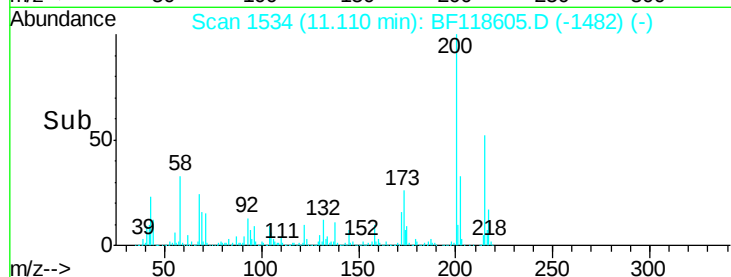
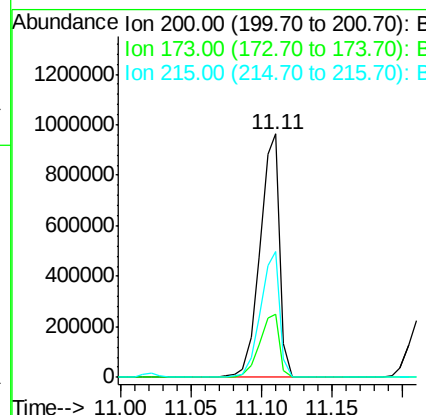
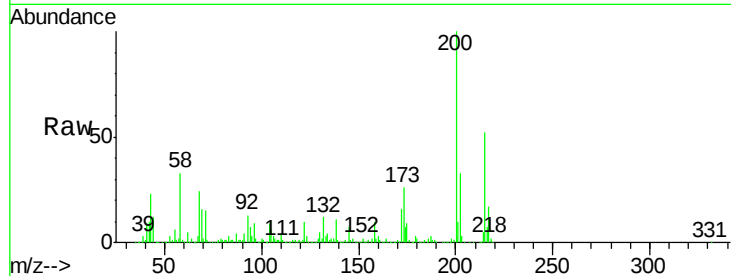
#69
Atrazine
Concen: 51.007 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	939796		
173	25.8	6.3	46.3	
215	51.7	30.2	70.2	

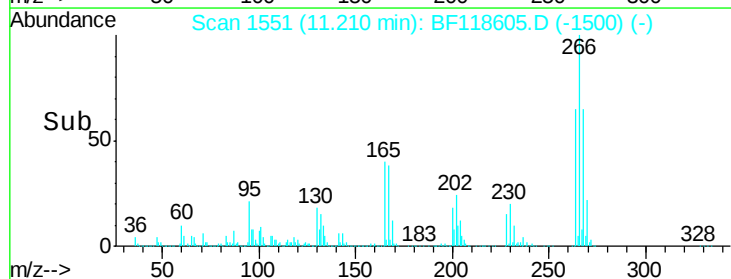
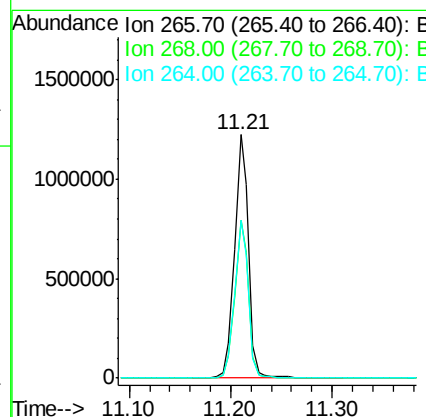
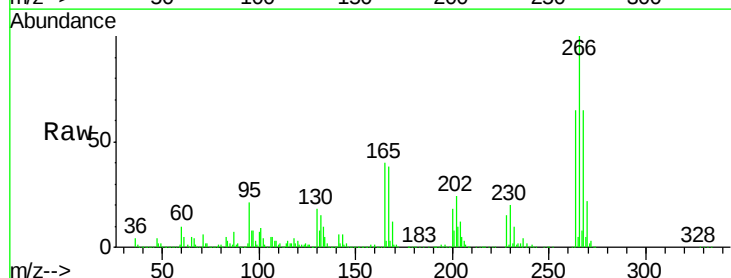
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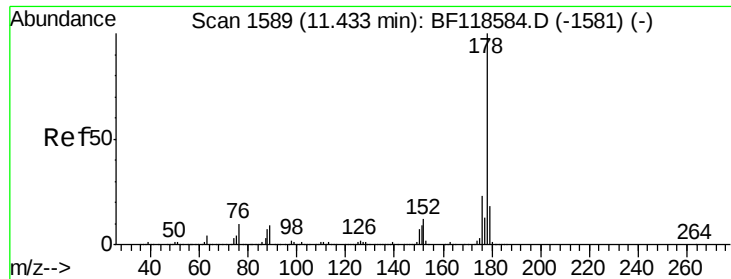
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#70
Pentachlorophenol
Concen: 85.207 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	1169637		
268	64.7	52.1	78.1	
264	64.6	52.4	78.6	





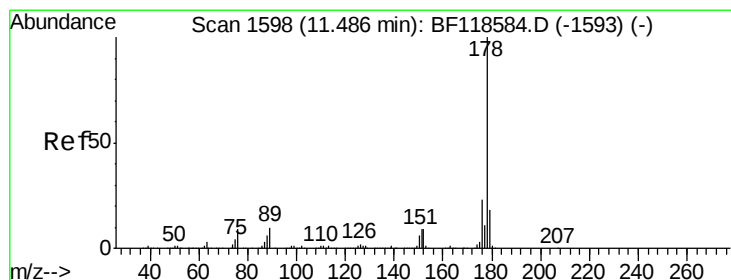
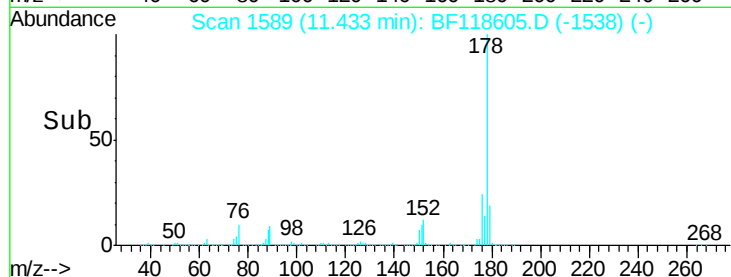
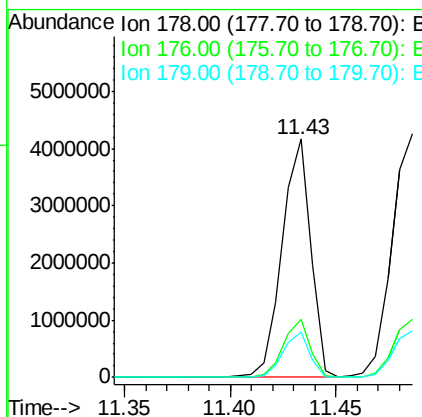
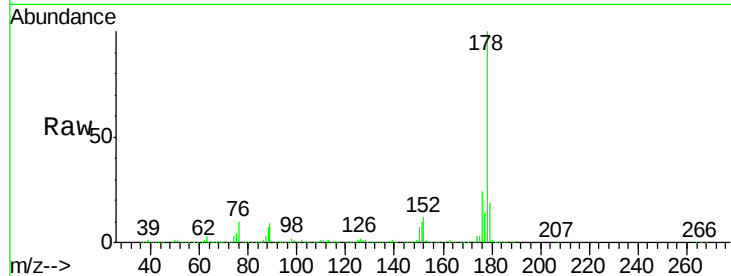
#71
Phenanthrene
Concen: 46.475 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion:178 Resp: 3952139
Ion Ratio Lower Upper
178 100
176 24.4 18.6 27.8
179 19.1 14.7 22.1

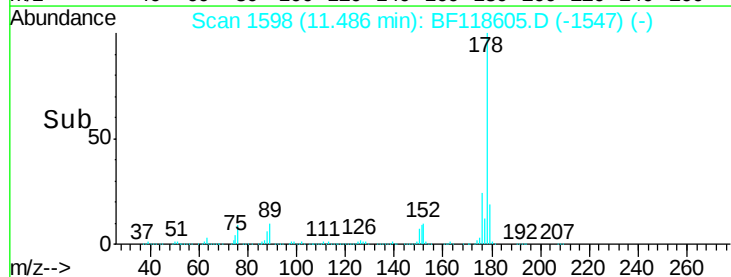
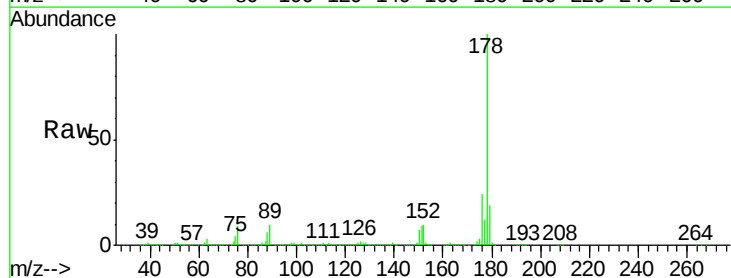
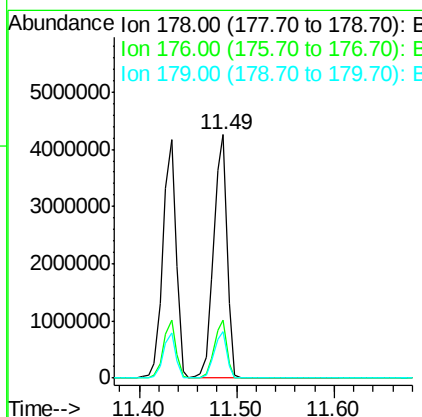
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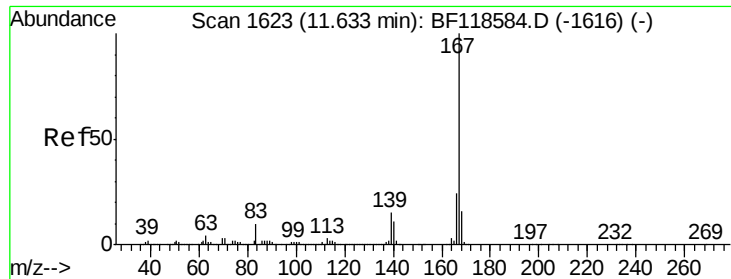
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#72
Anthracene
Concen: 48.138 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion:178 Resp: 4050610
Ion Ratio Lower Upper
178 100
176 23.8 18.0 27.0
179 19.2 14.7 22.1





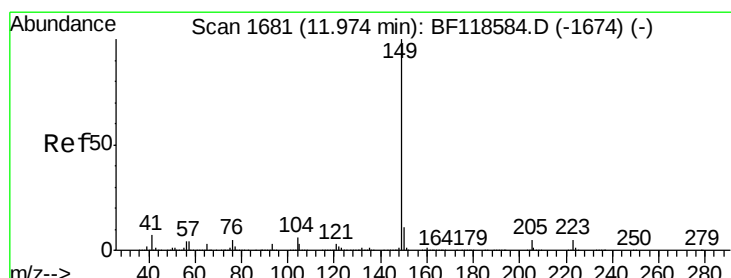
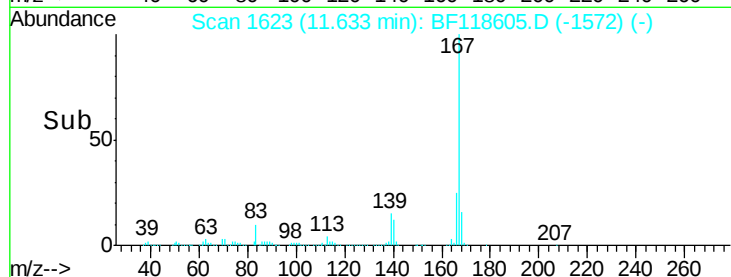
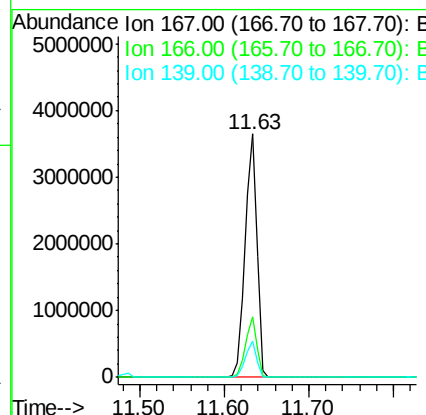
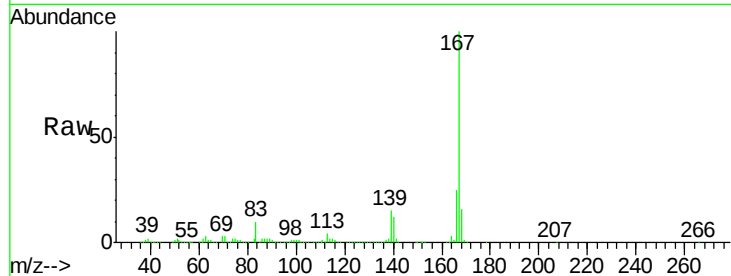
#73
 Carbazole
 Concen: 44.860 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.1	19.4	29.2
139	15.1	11.7	17.5

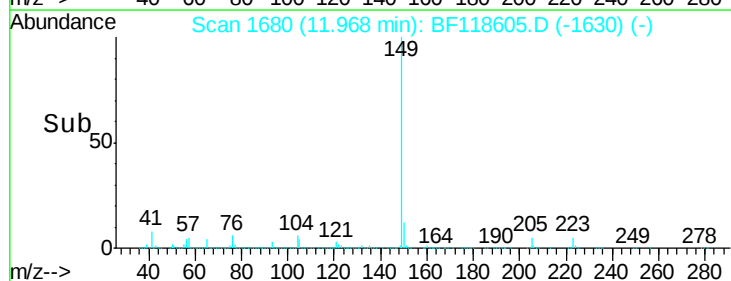
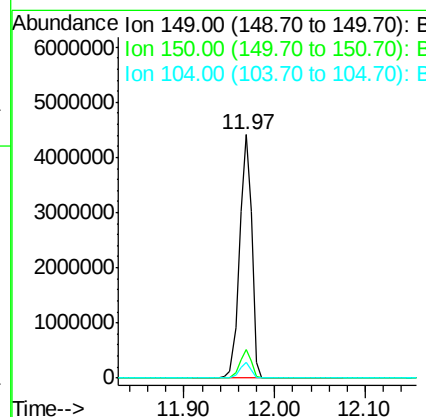
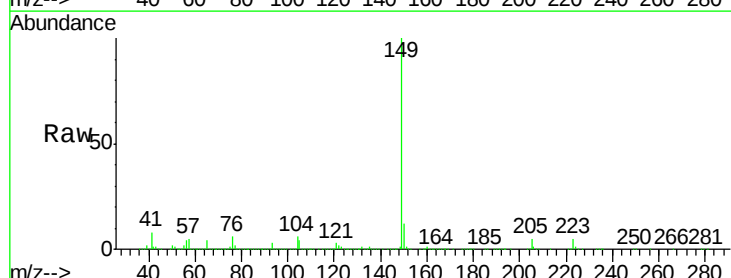
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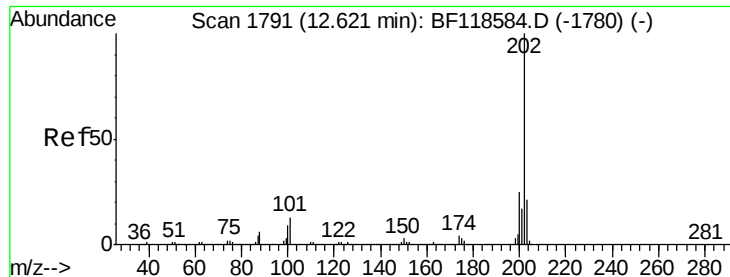
mohammad
 1/21/2020 2:26:18 PM



#74
 Di-n-butylphthalate
 Concen: 48.679 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.0	8.7	13.1
104	6.5	4.6	6.8





#75

Fluoranthene

Concen: 43.553 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:202 Resp: 3906299

Ion Ratio Lower Upper

202 100

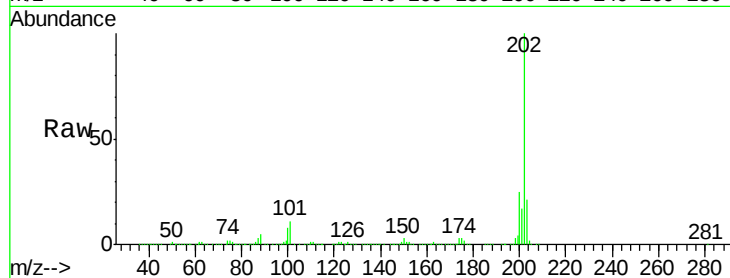
101 10.8 0.0 32.5

203 20.7 0.8 40.8

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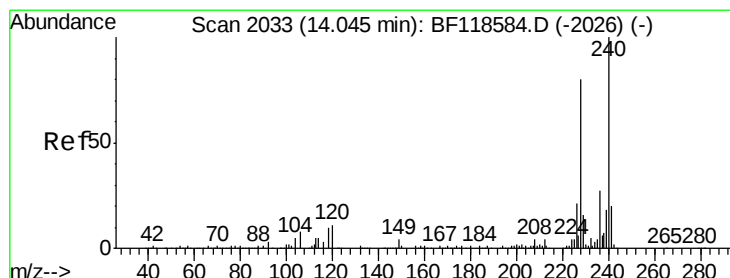
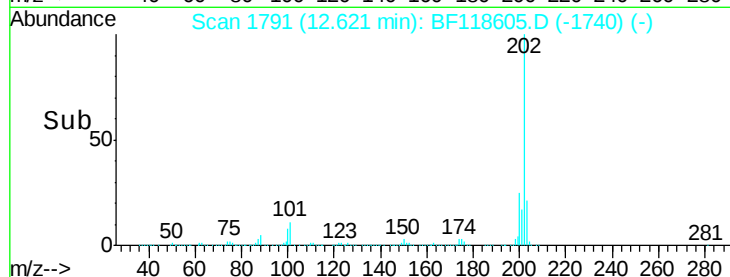
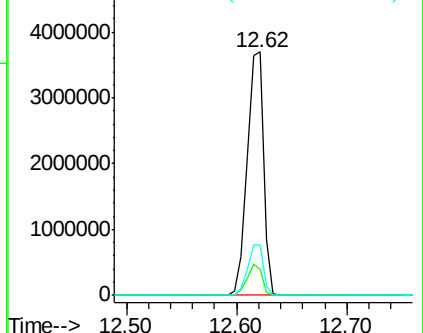
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

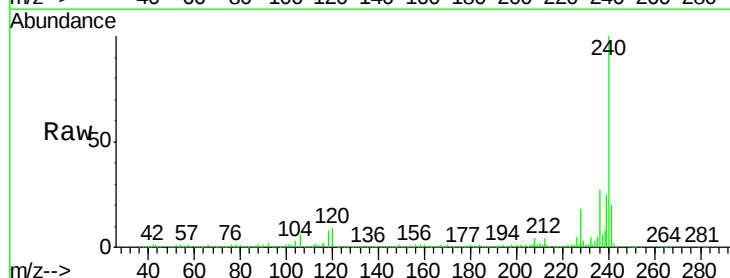
Tgt Ion:240 Resp: 1000669

Ion Ratio Lower Upper

240 100

120 8.6 8.9 13.3#

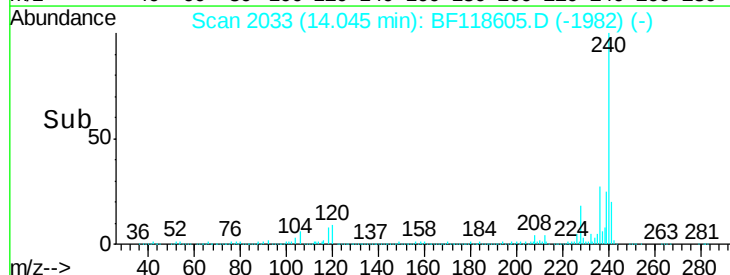
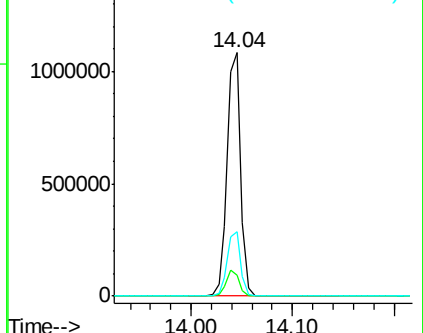
236 26.6 21.5 32.3

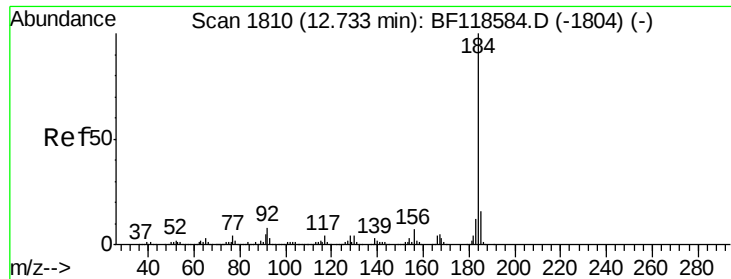


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 44.395 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:184 Resp: 1186982

Ion Ratio Lower Upper

184 100

185 15.0 12.9 19.3

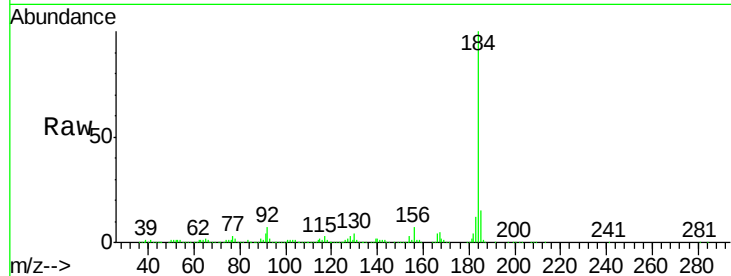
183 11.6 9.6 14.4

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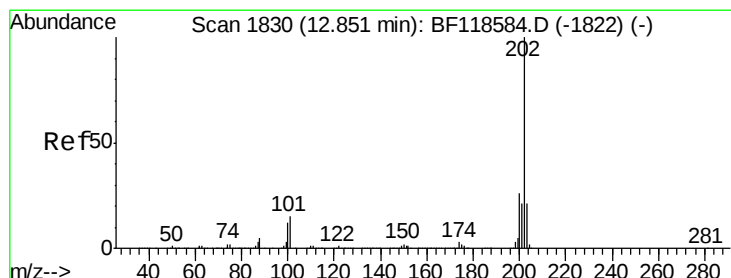
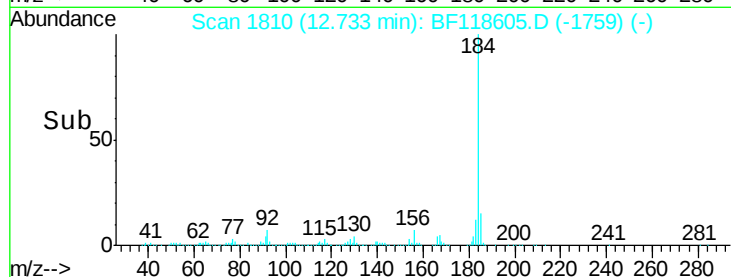
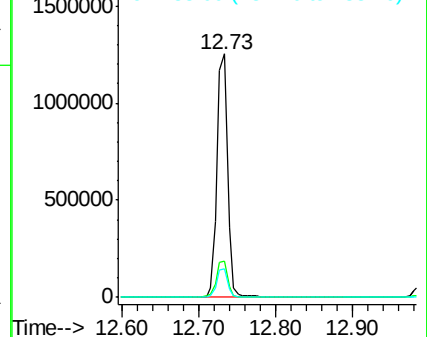
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 56.260 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

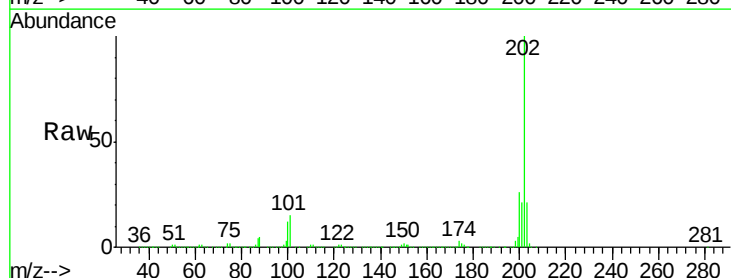
Tgt Ion:202 Resp: 3822097

Ion Ratio Lower Upper

202 100

200 25.6 20.6 31.0

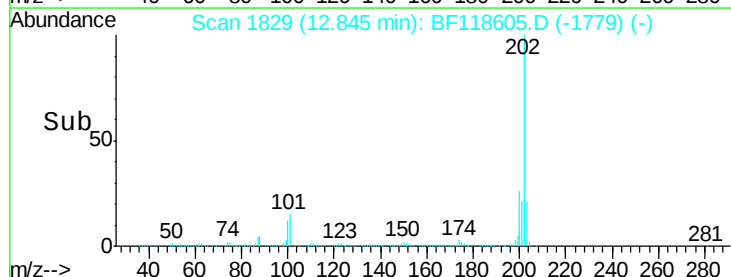
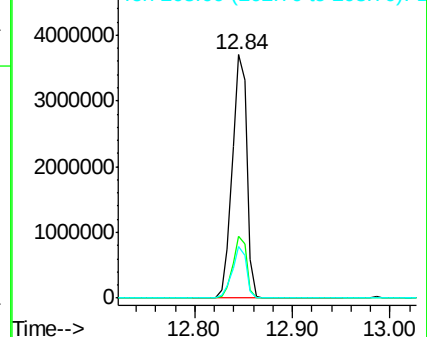
203 21.4 16.8 25.2

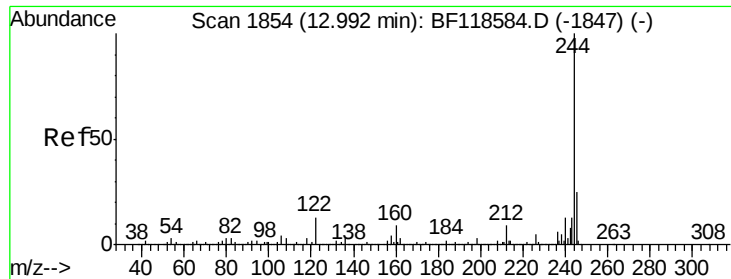


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 87.830 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:244 Resp: 4029595

Ion Ratio Lower Upper

244 100

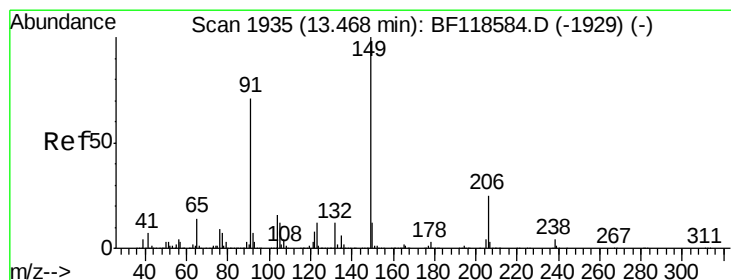
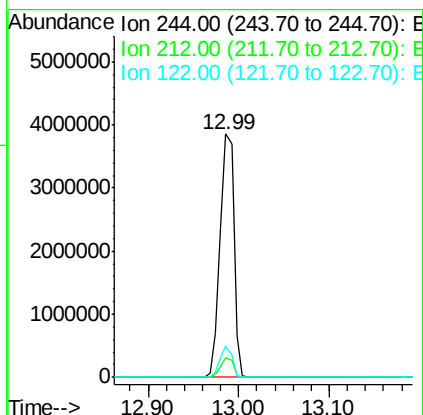
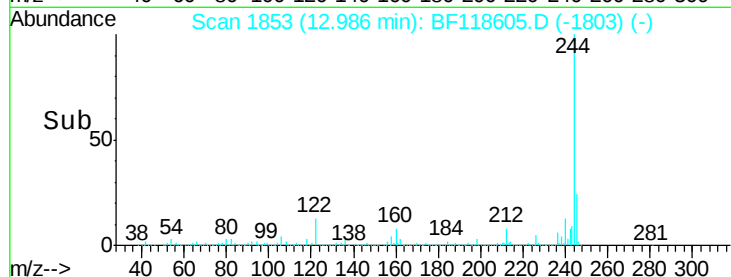
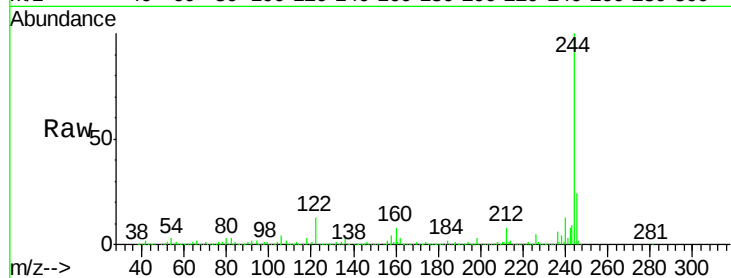
212 8.3 7.0 10.4

122 12.9 10.7 16.1

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#80

Butylbenzylphthalate

Concen: 58.220 ng

RT: 13.46 min Scan# 1934

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

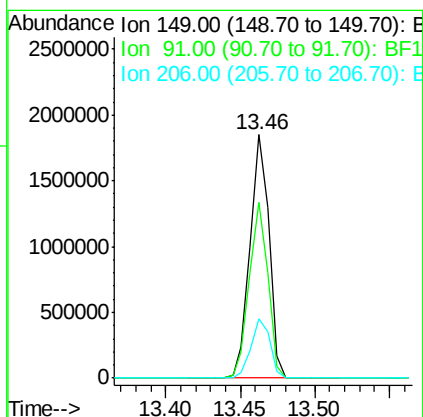
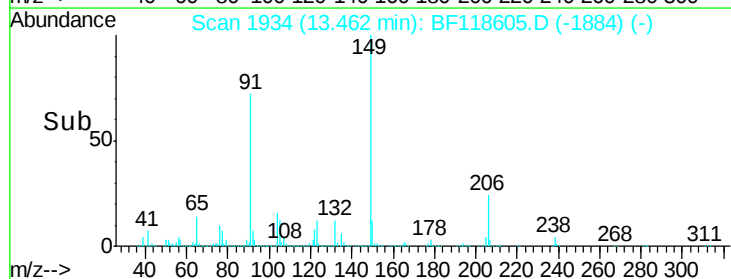
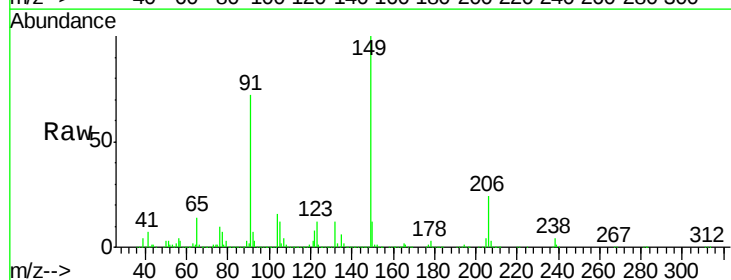
Tgt Ion:149 Resp: 1618724

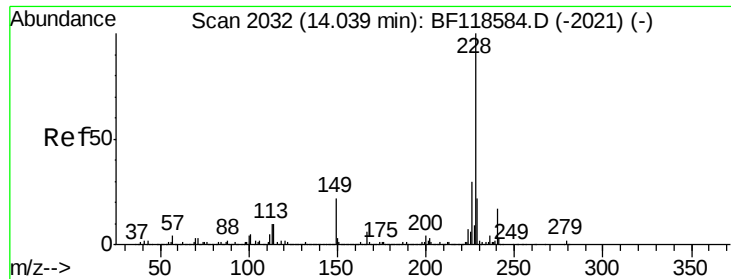
Ion Ratio Lower Upper

149 100

91 72.3 56.5 84.7

206 24.3 19.9 29.9





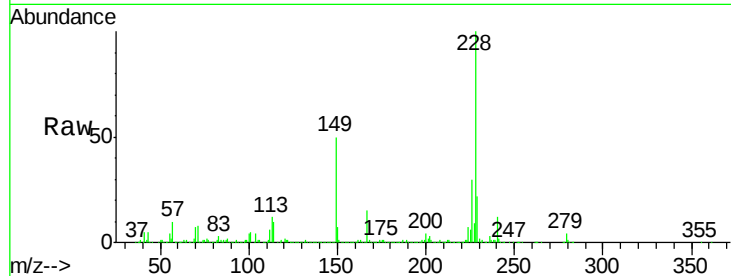
#81
Benzo(a)anthracene
Concen: 48.610 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	21.8	17.6	26.4

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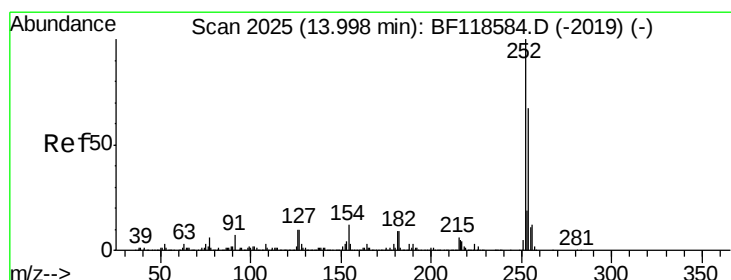
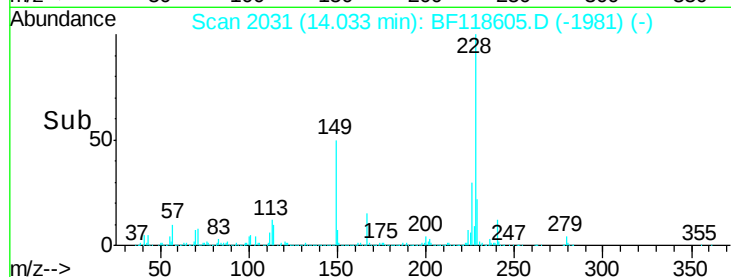
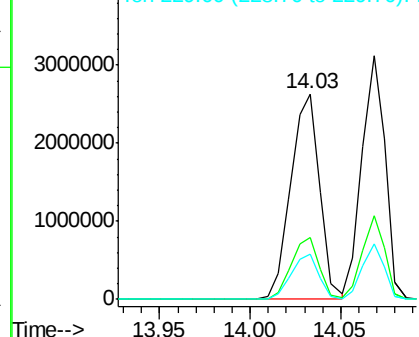


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82
3,3'-Dichlorobenzidine
Concen: 20.546 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

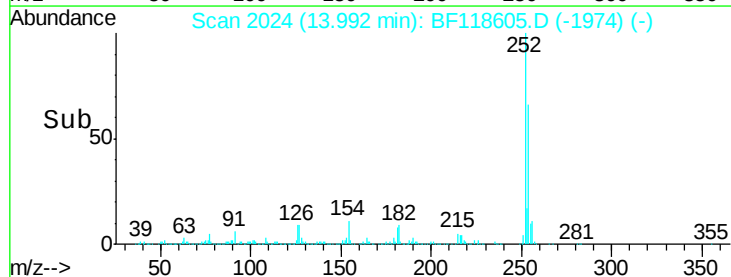
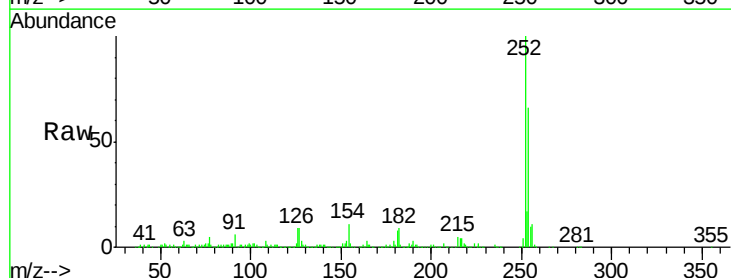
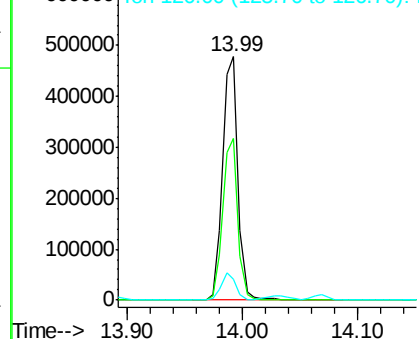
Tgt Ion	Ratio	Lower	Upper
252	100		
254	66.4	53.4	80.2
126	8.7	8.0	12.0

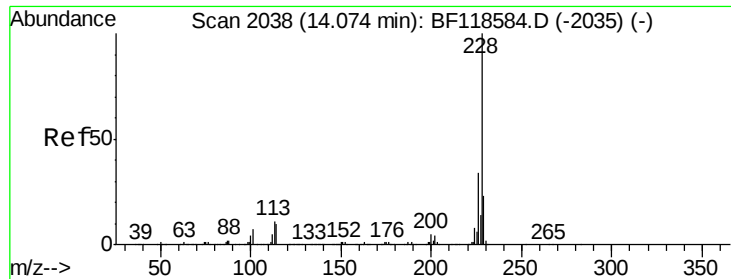
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





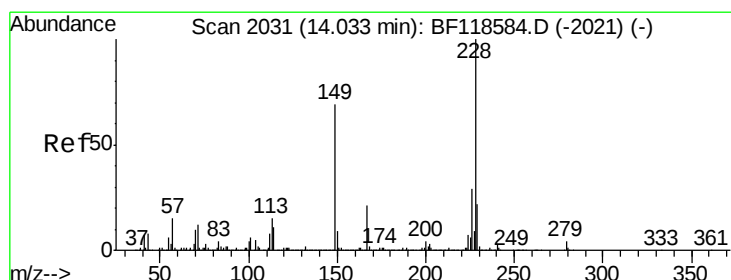
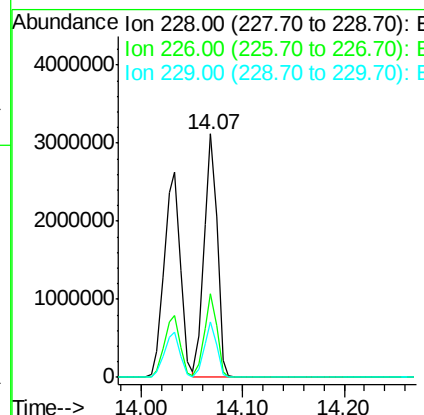
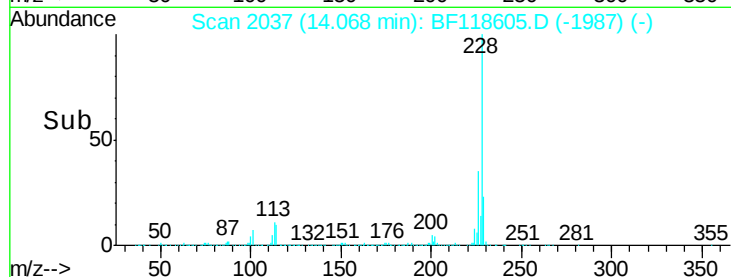
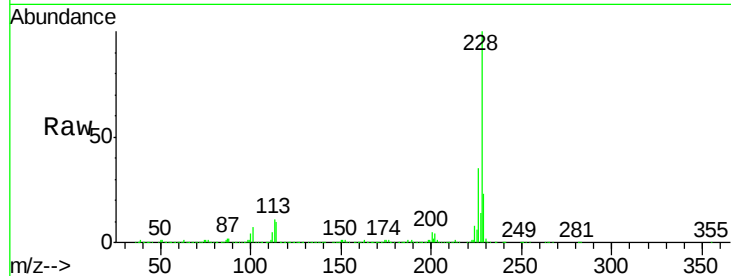
#83
 Chrvsene
 Concen: 48.503 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Instrument :
 BNA_F
 ClientSampleId :
 B3-15-20MSD

Tot Ion:228 Resp: 2798182
 Ion Ratio Lower Upper
 228 100
 226 34.5 27.4 41.0
 229 22.8 18.3 27.5

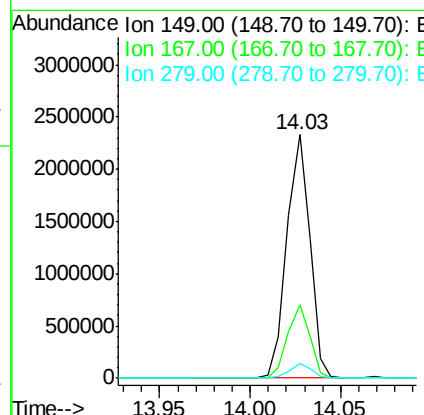
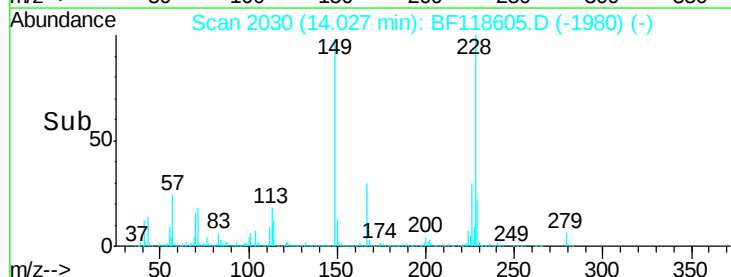
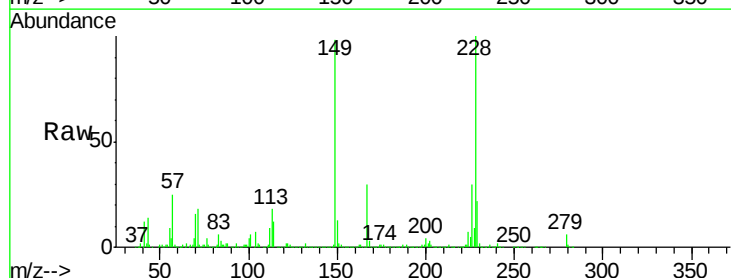
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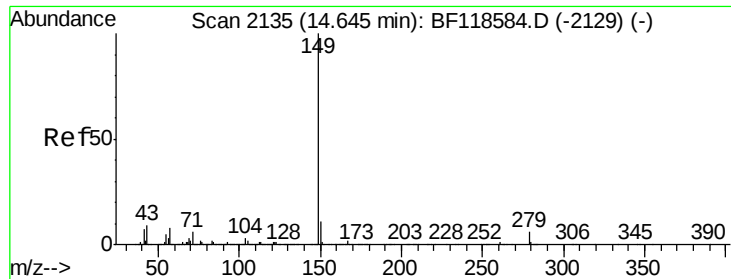
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 60.920 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118605.D
 Acq: 20 Jan 2020 21:48

Tgt Ion:149 Resp: 2069368
 Ion Ratio Lower Upper
 149 100
 167 30.2 24.2 36.4
 279 5.9 5.0 7.4





#85

Di-n-octyl phthalate

Concen: 59.767 ng

RT: 14.64 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:149 Resp: 3005055

Ion Ratio Lower Upper

149 100

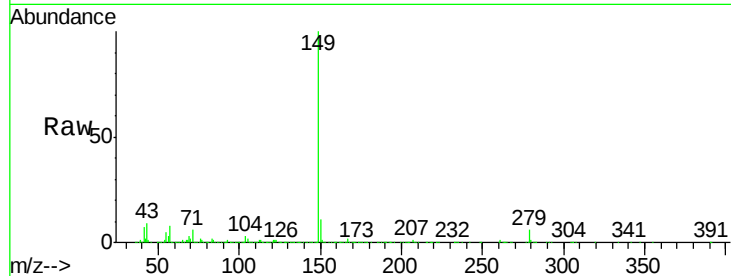
167 1.7 1.4 2.0

43 10.1 8.1 12.1

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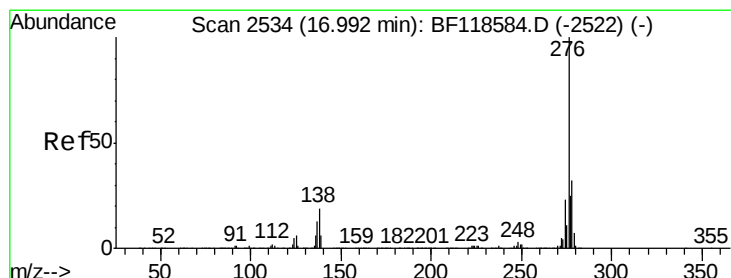
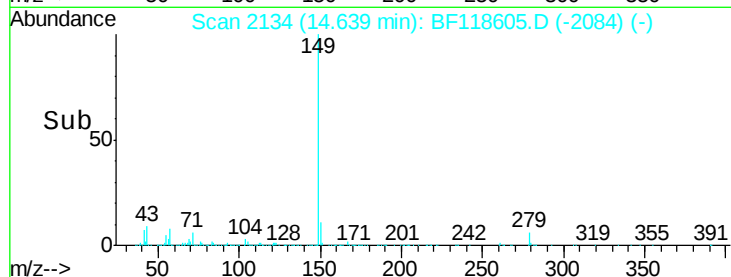
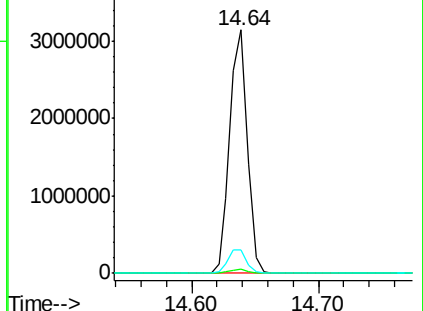
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 71.858 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

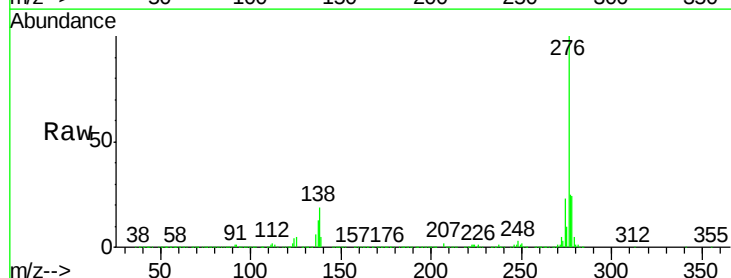
Tgt Ion:276 Resp: 3602119

Ion Ratio Lower Upper

276 100

138 21.6 17.2 25.8

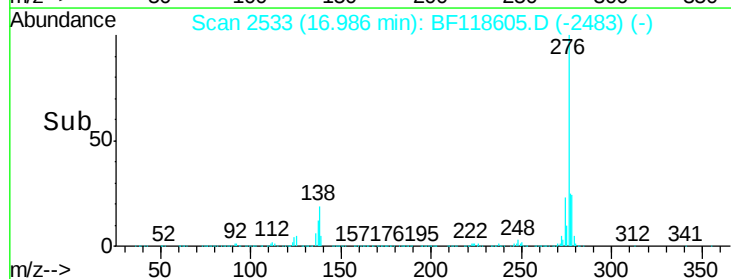
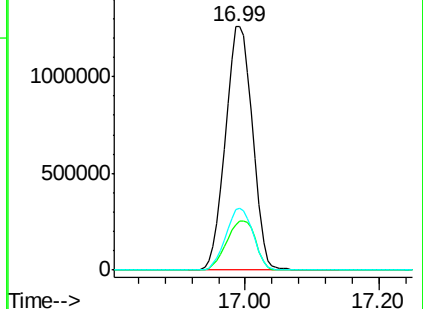
277 25.6 20.5 30.7

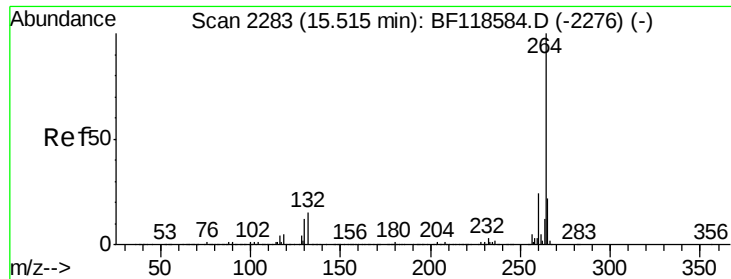


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





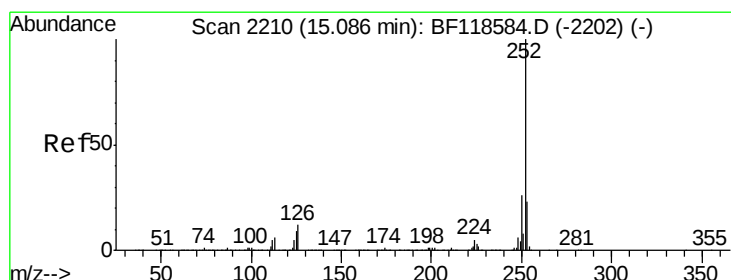
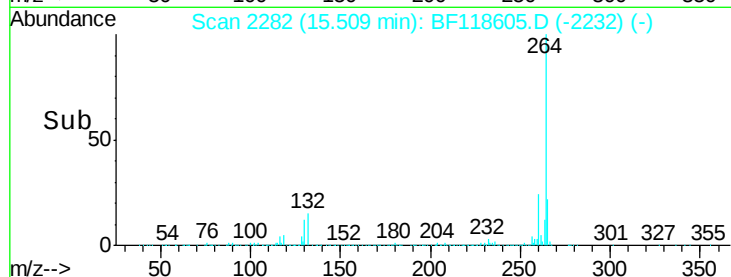
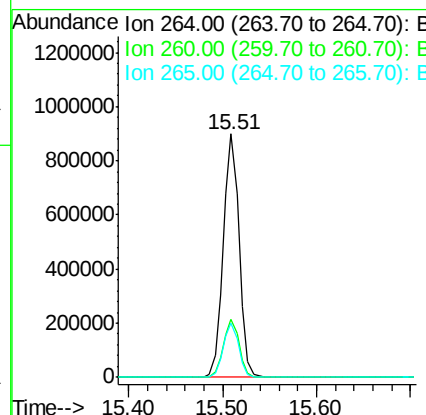
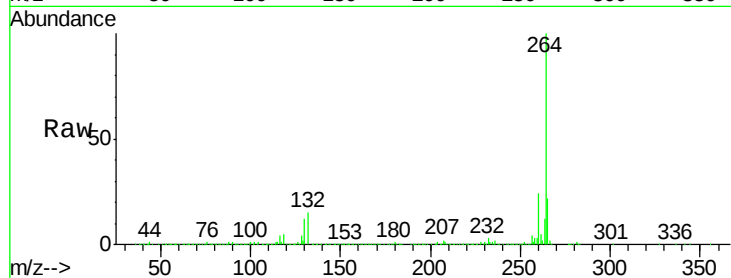
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.8	19.6	29.4	
265	22.3	17.7	26.5	

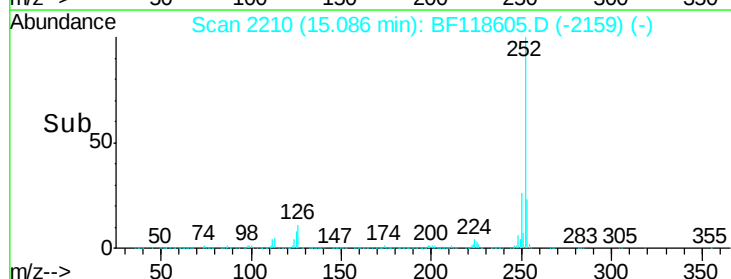
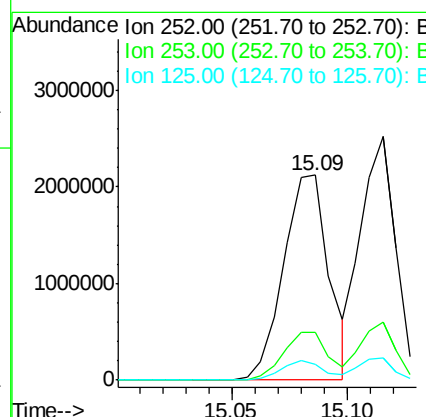
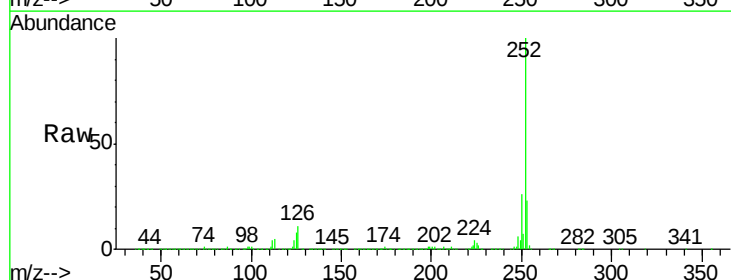
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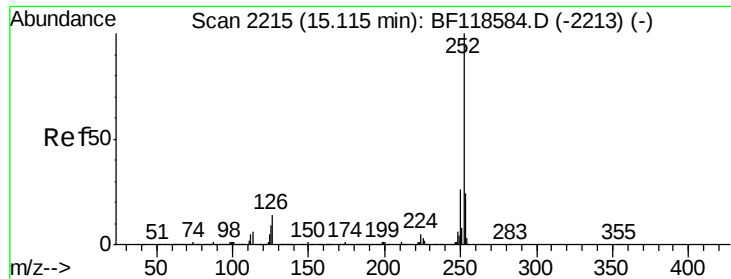
mohammad
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#88
Benzo(b)fluoranthene
Concen: 43.544 ng
RT: 15.09 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.4	18.7	28.1	
125	8.0	7.3	10.9	





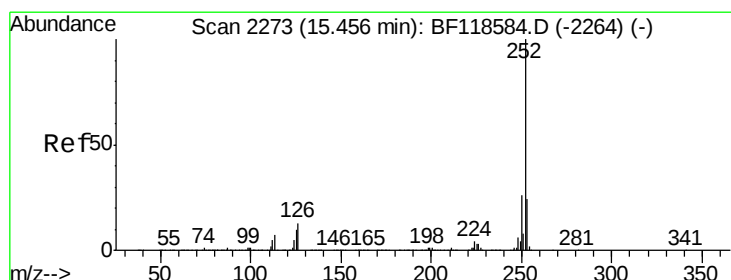
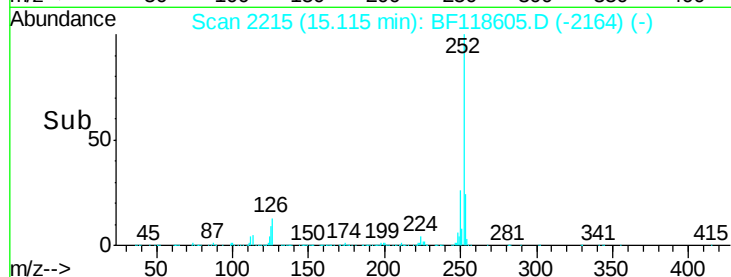
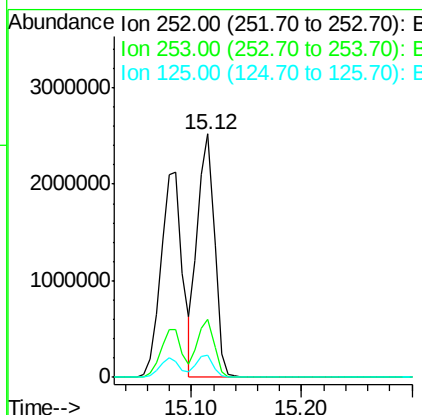
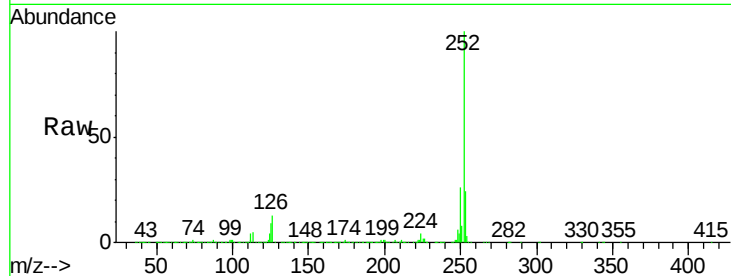
#89
Benzo(k)fluoranthene
Concen: 43.113 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Instrument :
BNA_F
ClientSampleId :
B3-15-20MSD

Tot Ion:252 Resp: 2662024
Ion Ratio Lower Upper
252 100
253 24.0 19.0 28.4
125 9.1 7.6 11.4

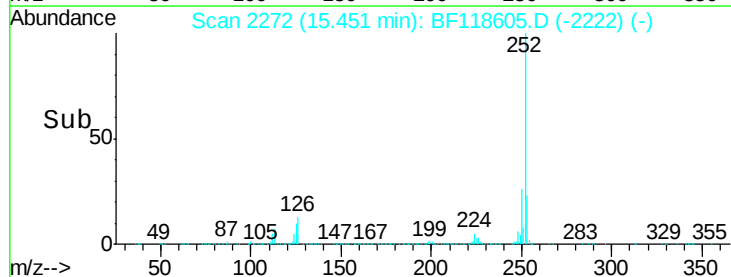
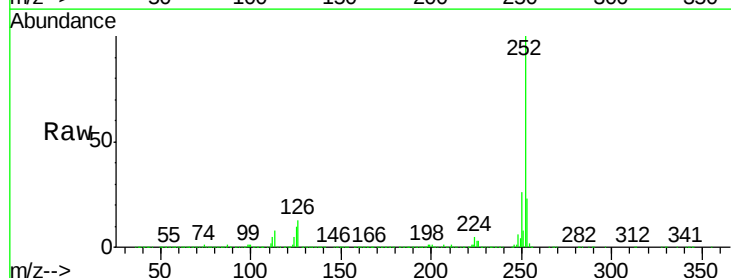
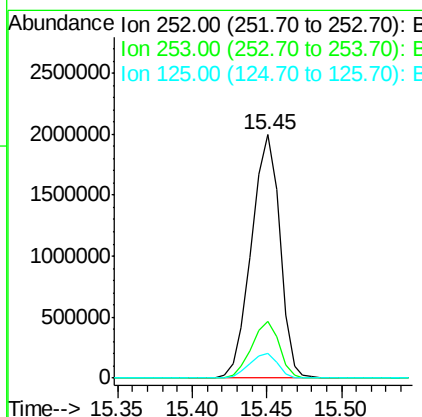
Manual Integrations
APPROVED

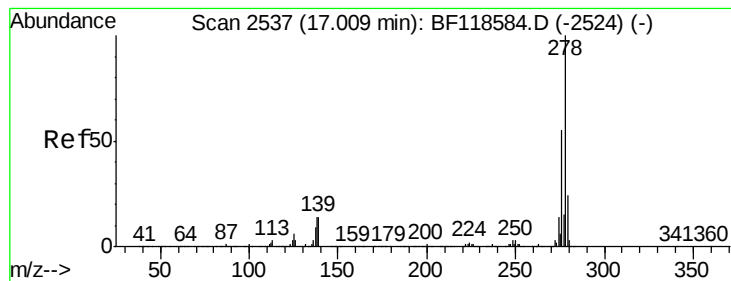
mohammad
1/21/2020 2:26:18 PM



#90
Benzo(a)pyrene
Concen: 45.603 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF118605.D
Acq: 20 Jan 2020 21:48

Tgt Ion:252 Resp: 2621768
Ion Ratio Lower Upper
252 100
253 23.3 18.8 28.2
125 10.0 7.8 11.6





#91

Dibenzo(a,h)anthracene

Concen: 58.558 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

Instrument :

BNA_F

ClientSampleId :

B3-15-20MSD

Tot Ion:278 Resp: 2977967

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.4	17.0
279	24.8	19.0	28.6

278 100

139 14.4 11.4 17.0

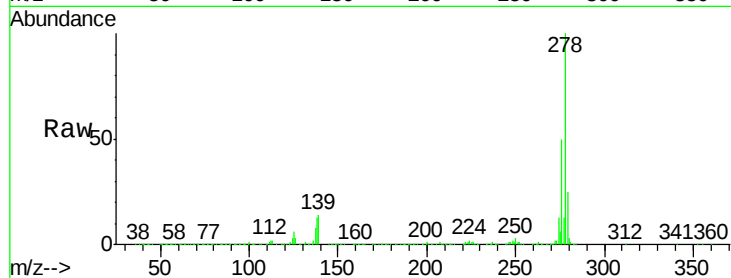
279 24.8 19.0 28.6

Manual Integrations

APPROVED

mohammad

1/21/2020 2:26:18 PM

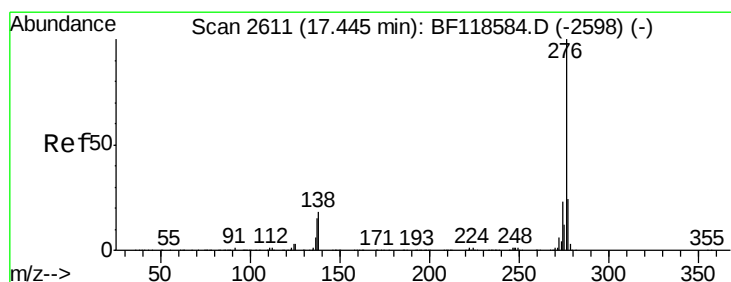
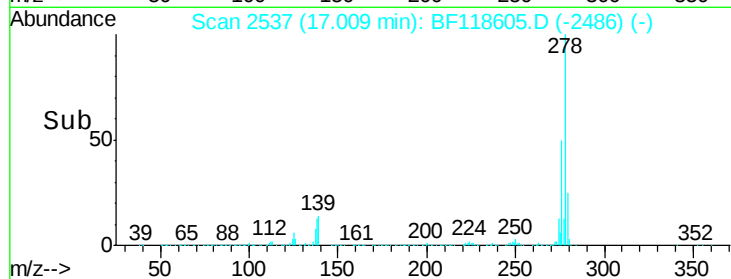
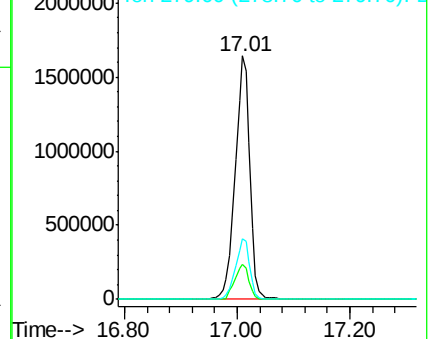


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 60.531 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BF118605.D

Acq: 20 Jan 2020 21:48

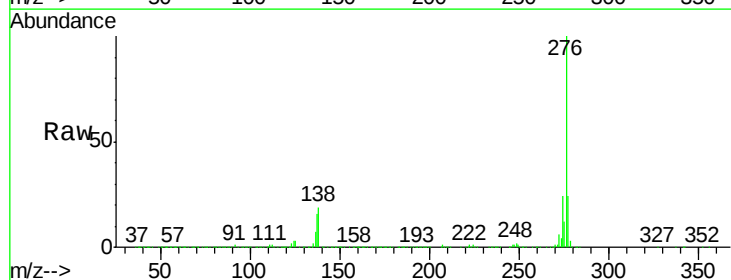
Tgt Ion:276 Resp: 2988849

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	19.3	14.4	21.6

276 100

277 24.2 18.9 28.3

138 19.3 14.4 21.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

