

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118599.D
 Acq On : 20 Jan 2020 19:00
 Operator : CG/JU
 Sample : L1181-05MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMS

Manual Integrations
 APPROVED

mohammad
 1/21/2020 2:26:10 PM

Quant Time: Jan 21 02:43:06 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	532101	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1976823	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	1107492	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	1902895	20.00	ng	0.00
76) Chrysene-d12	14.04	240	1150534	20.00	ng	0.00
87) Perylene-d12	15.51	264	1175739	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	3329757	116.22	ng	0.02
7) Phenol-d6	6.52	99	4508447	121.07	ng	0.00
23) Nitrobenzene-d5	7.45	82	2863633	81.03	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	1483252	115.79	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	4847863	71.95	ng	0.00
79) Terphenyl-d14	12.99	244	4941575	93.68	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.77	88	515614	37.157	ng	100
3) Pyridine	3.52	79	1303539	33.329	ng	100
4) n-Nitrosodimethylamine	3.45	42	686968	40.969	ng	97
6) Aniline	6.55	93	1033101	21.070	ng	98
8) 2-Chlorophenol	6.67	128	1414457	43.985	ng	99
9) Benzaldehyde	6.43	77	760721	33.591	ng	98
10) Phenol	6.53	94	1858173	43.787	ng	99
11) bis(2-Chloroethyl)ether	6.62	93	1321316	41.966	ng	98
12) 1,3-Dichlorobenzene	6.82	146	1525526	40.531	ng	97
13) 1,4-Dichlorobenzene	6.90	146	1558303	41.244	ng	99
14) 1,2-Dichlorobenzene	7.06	146	1475942	41.555	ng	98
15) Benzyl Alcohol	7.02	79	1288727	43.641	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	1784314	40.686	ng	100
17) 2-Methylphenol	7.13	107	1182293	44.138	ng	99
18) Hexachloroethane	7.40	117	563996	41.167	ng	96
19) n-Nitroso-di-n-propylamine	7.30	70	1067910	42.472	ng	98
20) 3+4-Methylphenols	7.28	107	1426593	43.622	ng	91
22) Acetophenone	7.29	105	1881074	40.169	ng	# 93
24) Nitrobenzene	7.46	77	1527482	42.210	ng	95
25) Isophorone	7.70	82	2755981	42.753	ng	99
26) 2-Nitrophenol	7.77	139	740649	47.994	ng	97
27) 2,4-Dimethylphenol	7.82	122	1352472	50.753	ng	99
28) bis(2-Chloroethoxy)methane	7.91	93	1710156	41.173	ng	99
29) 2,4-Dichlorophenol	8.02	162	1271728	43.170	ng	99
30) 1,2,4-Trichlorobenzene	8.10	180	1384757	40.542	ng	99
31) Naphthalene	8.19	128	3850808	43.122	ng	98
32) Benzoic acid	7.93	122	740952	37.049	ng	97
33) 4-Chloroaniline	8.23	127	303423	7.351	ng	96
34) Hexachlorobutadiene	8.31	225	823089	39.570	ng	100
35) Caprolactam	8.60	113	380944m	39.516	ng	
36) 4-Chloro-3-methylphenol	8.71	107	1234646	42.442	ng	100
37) 2-Methylnaphthalene	8.88	142	2760130	43.789	ng	100
38) 1-Methylnaphthalene	8.98	142	2591411	43.274	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	1382473	39.895	ng	99

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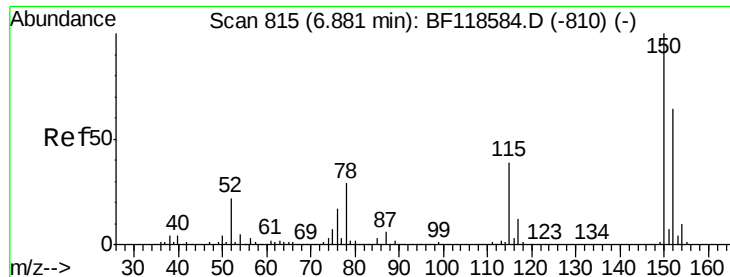
Manual Integrations
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Quant Time: Jan 21 02:43:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.04	237	1604163	91.753	nq	98
43) 2,4,6-Trichlorophenol	9.15	196	977234	42.498	nq	99
44) 2,4,5-Trichlorophenol	9.19	196	998896	42.534	nq	97
46) 1,1'-Biphenyl	9.35	154	3201352	41.942	nq	99
47) 2-Chloronaphthalene	9.37	162	2621395	40.746	nq	99
48) 2-Nitroaniline	9.46	65	778009	39.340	nq	96
49) Acenaphthylene	9.79	152	3829406	42.311	nq	99
50) Dimethylphthalate	9.65	163	3235530	44.842	nq	99
51) 2,6-Dinitrotoluene	9.70	165	701817	43.436	nq	94
52) Acenaphthene	9.96	154	2648448	43.762	nq	99
53) 3-Nitroaniline	9.86	138	322170	17.462	nq	97
54) 2,4-Dinitrophenol	9.97	184	495538	76.822	nq	# 48
55) Dibenzofuran	10.13	168	3550177	42.330	nq	99
56) 4-Nitrophenol	10.03	139	1100739	79.032	nq	92
57) 2,4-Dinitrotoluene	10.10	165	889570	43.673	nq	98
58) Fluorene	10.47	166	2732982	41.509	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.25	232	849973	41.149	nq	100
60) Diethylphthalate	10.35	149	2839509	40.588	nq	98
61) 4-Chlorophenyl-phenylether	10.46	204	1483977	41.441	nq	99
62) 4-Nitroaniline	10.49	138	649473	34.319	nq	99
63) Azobenzene	10.62	77	2838694	41.898	nq	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	389519	46.551	nq	95
66) n-Nitrosodiphenylamine	10.58	169	2490506	43.399	nq	99
67) 4-Bromophenyl-phenylether	10.95	248	1009816	42.954	nq	96
68) Hexachlorobenzene	11.02	284	1099031	41.234	nq	97
69) Atrazine	11.10	200	898612	45.178	nq	99
70) Pentachlorophenol	11.21	266	1151867	77.729	nq	100
71) Phenanthrene	11.43	178	3806962	41.468	nq	98
72) Anthracene	11.49	178	3896357	42.893	nq	99
73) Carbazole	11.63	167	3374347	40.498	nq	99
74) Di-n-butylphthalate	11.97	149	4019107	43.416	nq	97
75) Fluoranthene	12.62	202	3831529	39.571	nq	98
77) Benzidine	12.73	184	1319823	42.933	nq	98
78) Pyrene	12.85	202	3844578	49.219	nq	100
80) Butylbenzylphthalate	13.46	149	1604693	50.197	nq	98
81) Benzo(a)anthracene	14.03	228	2946057	42.567	nq	99
82) 3,3'-Dichlorobenzidine	13.99	252	531904	21.568	nq	99
83) Chrysene	14.07	228	2815001	42.438	nq	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	2086584	53.426	nq	99
85) Di-n-octyl phthalate	14.64	149	3089518	53.443	nq	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	3408201	59.134	nq	100
88) Benzo(b)fluoranthene	15.08	252	2840940	38.441	nq	99
89) Benzo(k)fluoranthene	15.12	252	2625671	38.349	nq	99
90) Benzo(a)pyrene	15.45	252	2541326	39.863	nq	100
91) Dibenzo(a,h)anthracene	17.01	278	2833048	50.238	nq	98
92) Benzo(g,h,i)perylene	17.44	276	2815503	51.421	nq	98

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



#1

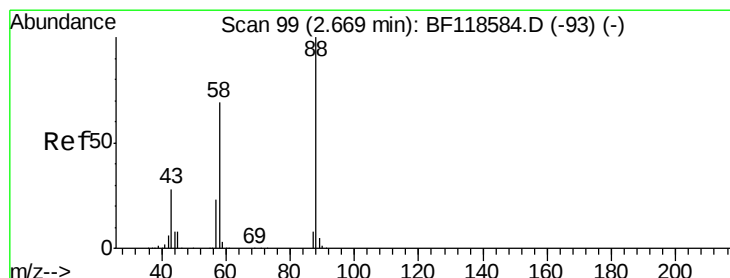
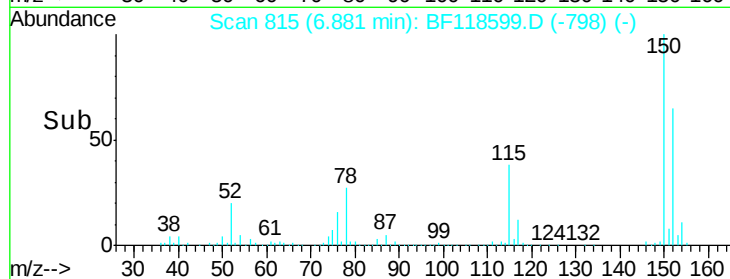
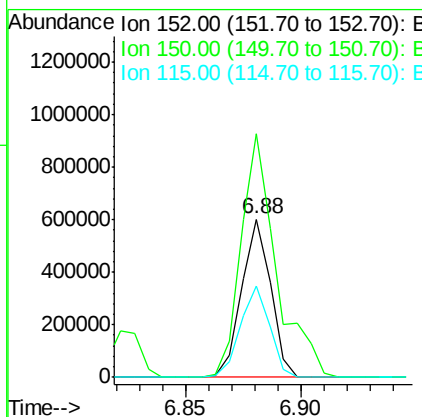
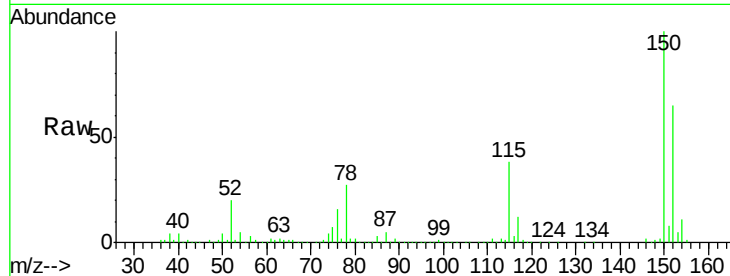
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	125.6	188.4
115	58.0	48.4	72.6

Manual Integrations
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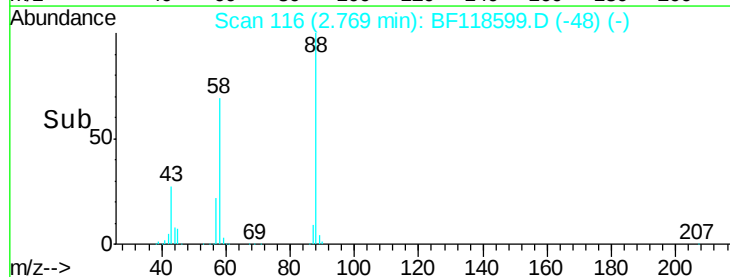
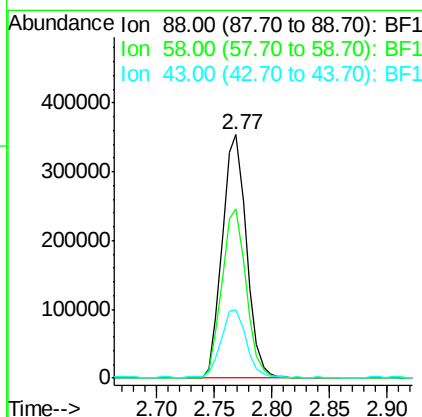
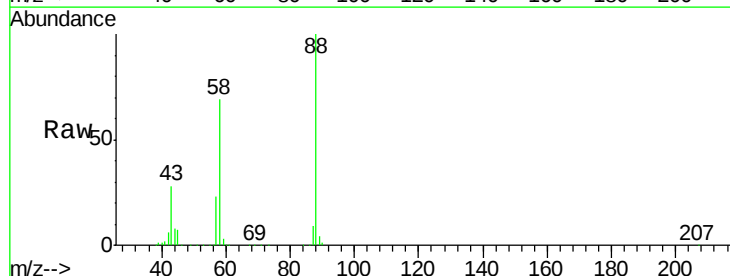
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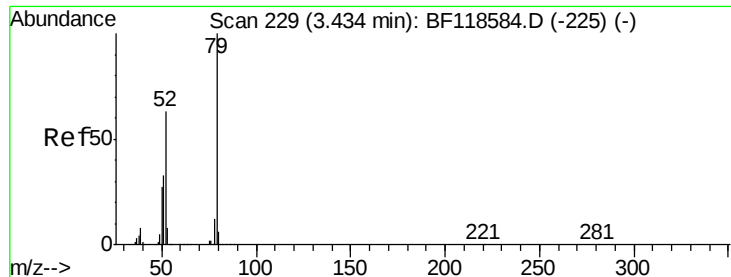


#2

1,4-Dioxane
Concen: 37.157 ng
RT: 2.77 min Scan# 116
Delta R.T. 0.10 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.9	56.1	84.1
43	28.4	23.0	34.6





#3

Pvridine

Concen: 33.329 ng

RT: 3.52 min Scan# 243

Delta R.T. 0.08 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion: 79 Resp: 1303539

Ion Ratio Lower Upper

79 100

52 63.1 50.7 76.1

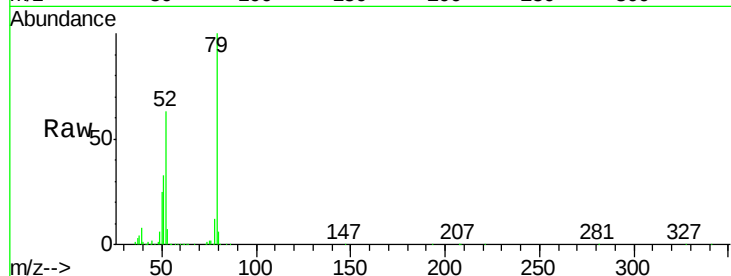
51 33.2 26.6 40.0

Manual Integrations

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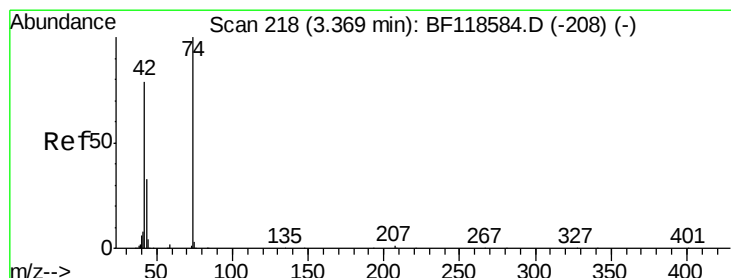
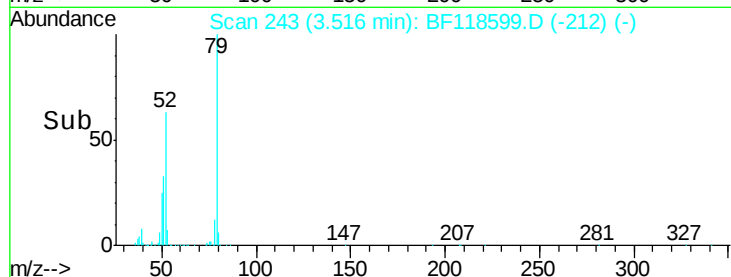
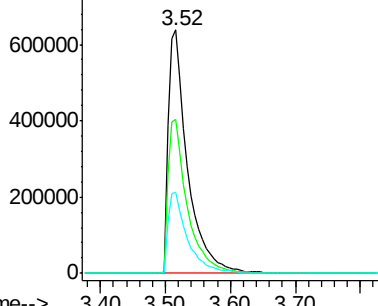
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Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 40.969 ng

RT: 3.45 min Scan# 232

Delta R.T. 0.08 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

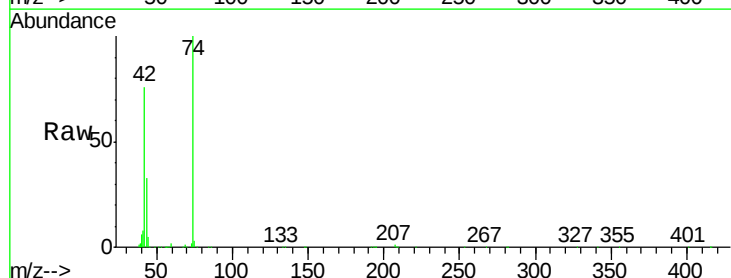
Tgt Ion: 42 Resp: 686968

Ion Ratio Lower Upper

42 100

74 130.8 101.6 152.4

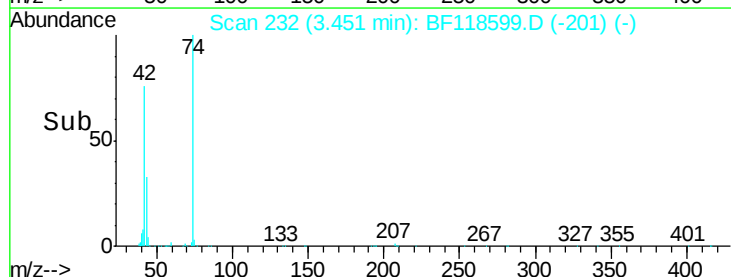
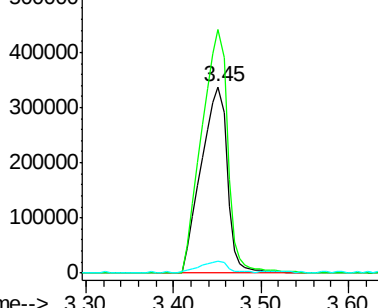
44 6.2 4.9 7.3

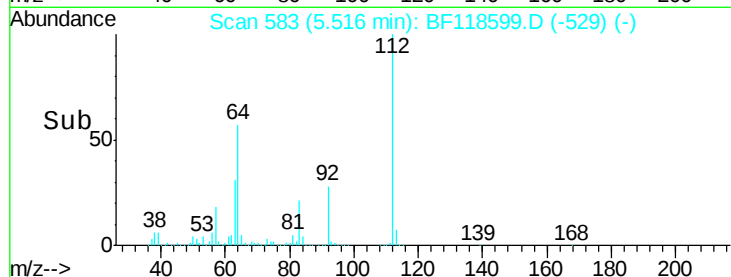
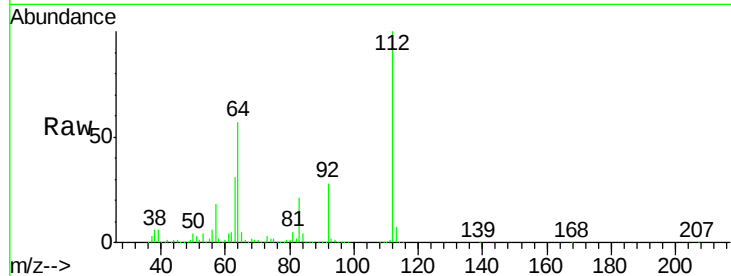
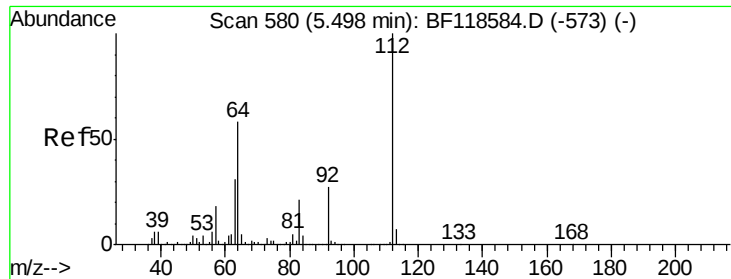


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





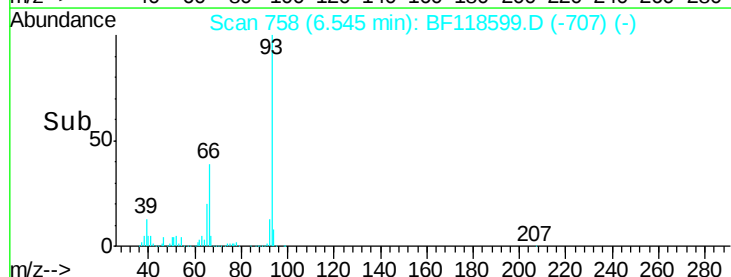
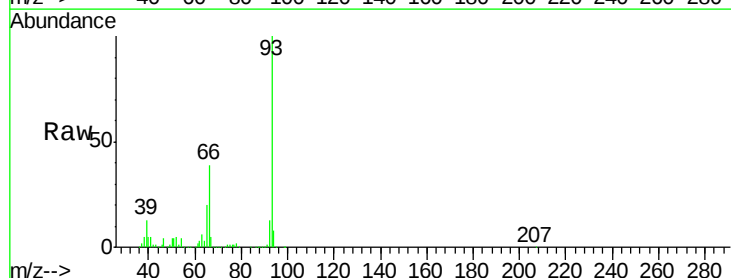
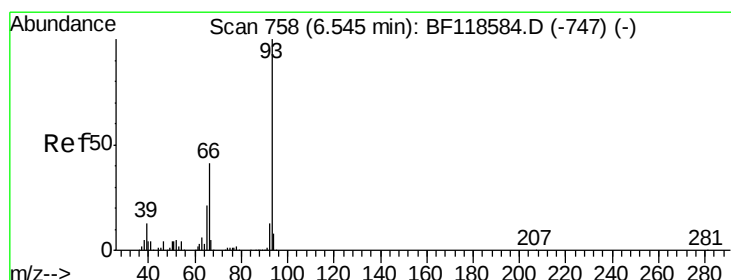
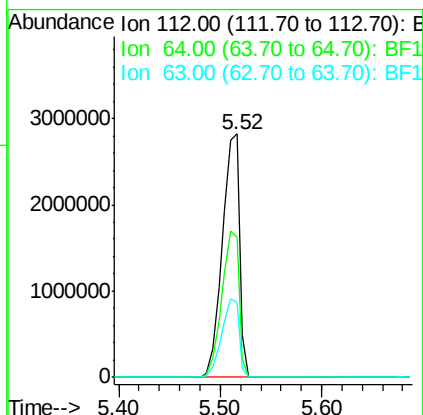
#5
2-Fluorophenol
Concen: 116.222 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tot Ion:112 Resp: 3329757
Ion Ratio Lower Upper
112 100
64 57.5 46.6 70.0
63 30.8 25.1 37.7

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

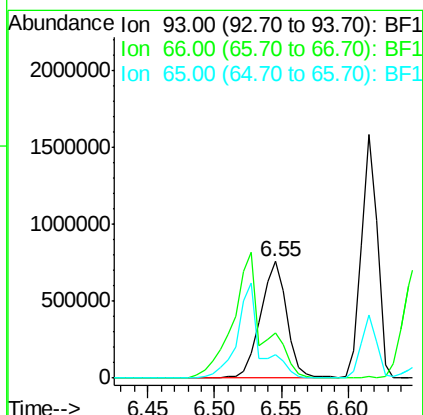
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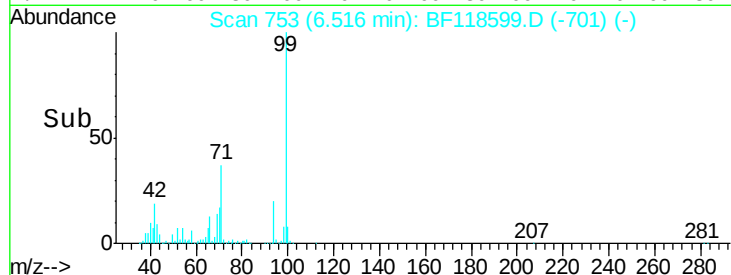
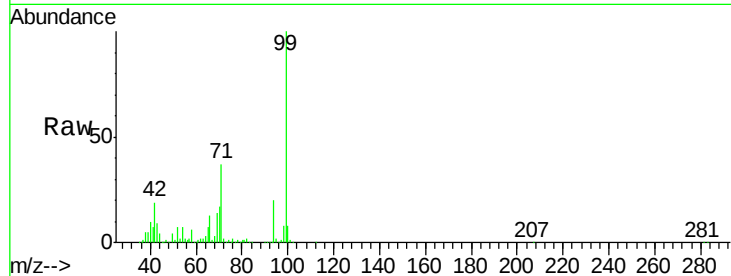
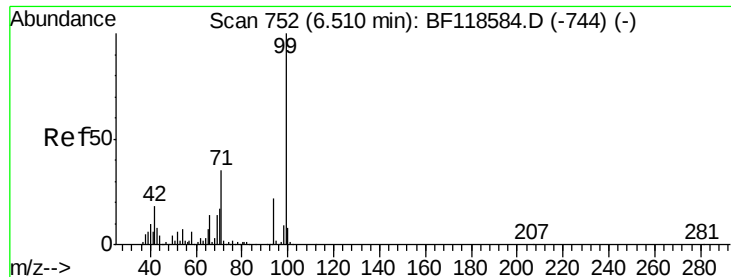
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#6
Aniline
Concen: 21.070 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion: 93 Resp: 1033101
Ion Ratio Lower Upper
93 100
66 39.2 32.8 49.2
65 20.0 16.5 24.7





#7

Phenol-d6

Concen: 121.073 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Tot Ion: 99 Resp: 4508447

Ion Ratio Lower Upper

99 100

42 18.6 14.2 21.2

71 36.7 27.8 41.6

Instrument :

BNA_F

ClientSampleId :

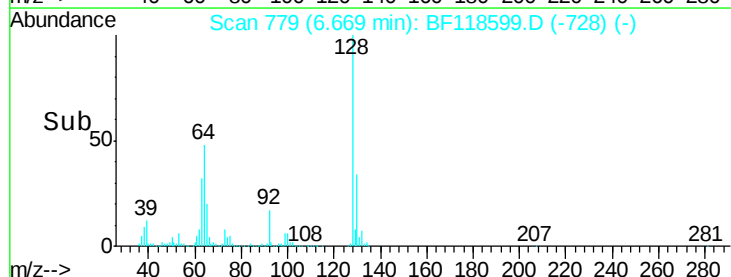
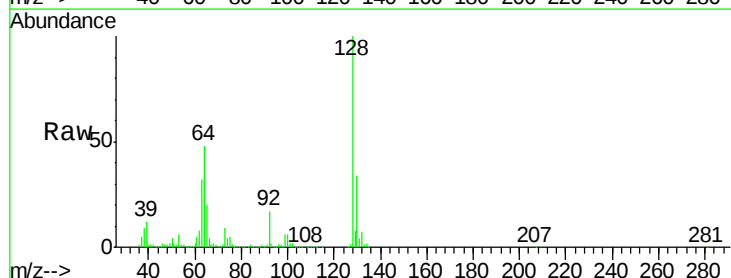
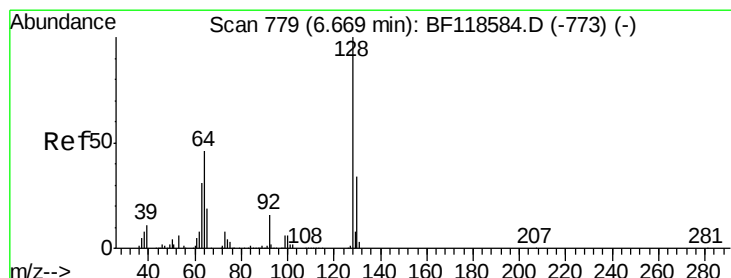
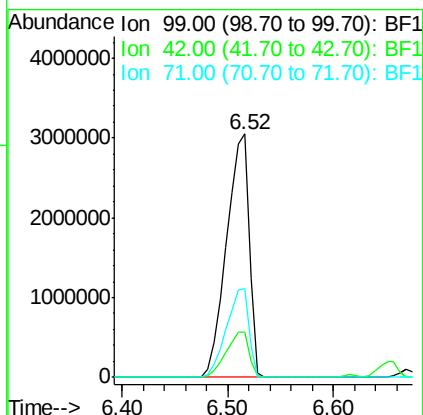
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#8

2-Chlorophenol

Concen: 43.985 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

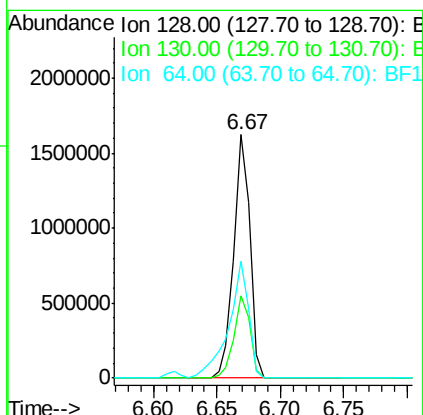
Tgt Ion:128 Resp: 1414457

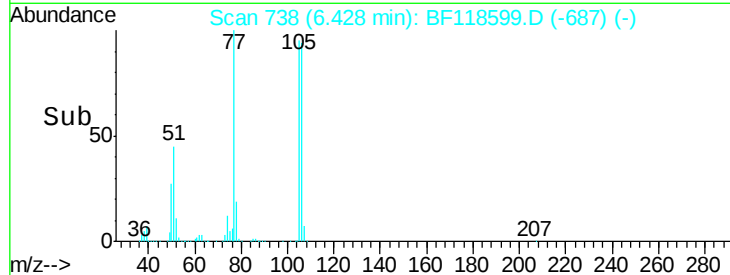
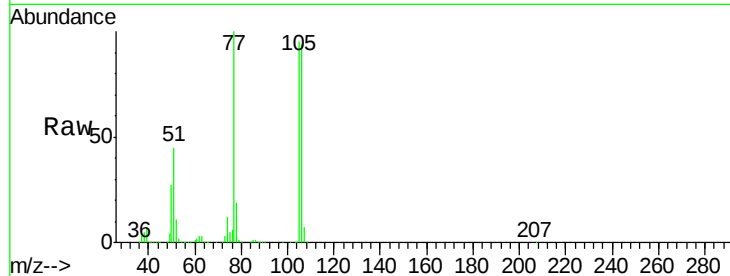
Ion Ratio Lower Upper

128 100

130 34.0 13.6 53.6

64 47.8 26.4 66.4





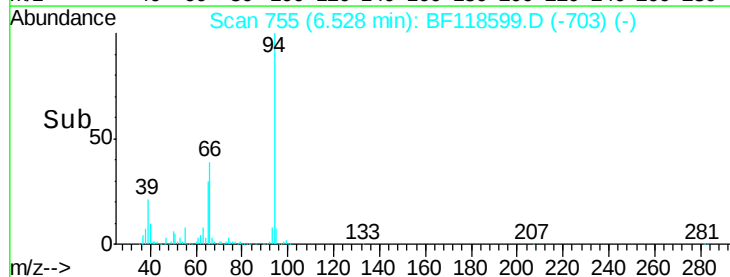
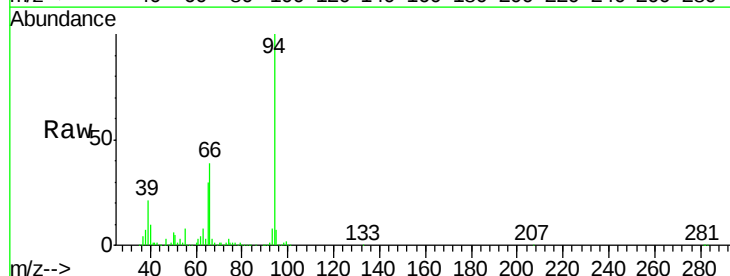
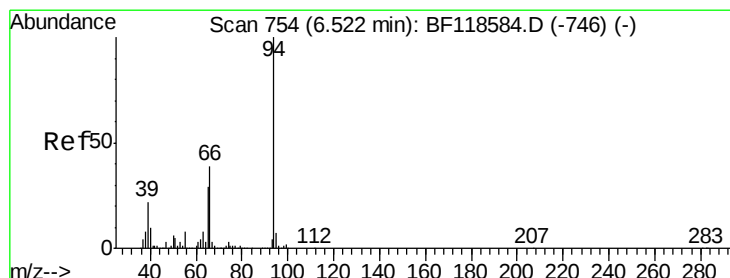
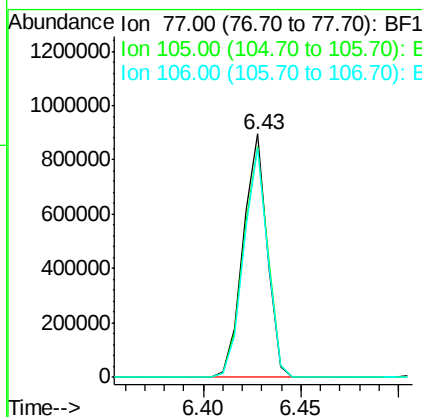
#9
Benzaldehyde
Concen: 33.591 ng
RT: 6.43 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tot Ion	Ratio	Lower	Upper
77	100		
105	95.1	73.5	113.5
106	94.0	71.9	111.9

Instrument :
BNA_F
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93OAK-AVE-COMPMS

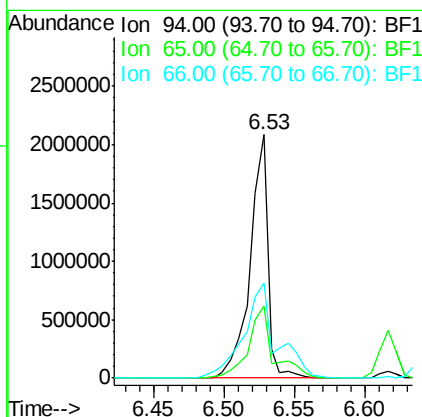
Manual Integrations
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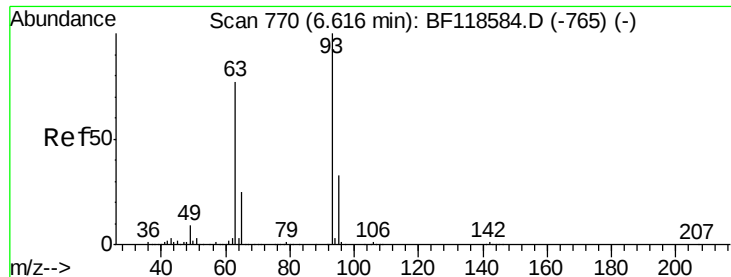
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#10
Phenol
Concen: 43.787 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.5	49.5
66	39.3	18.5	58.5





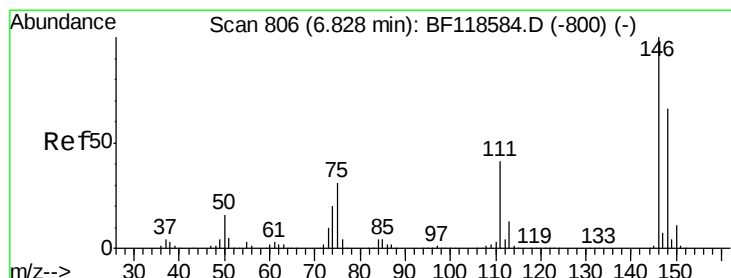
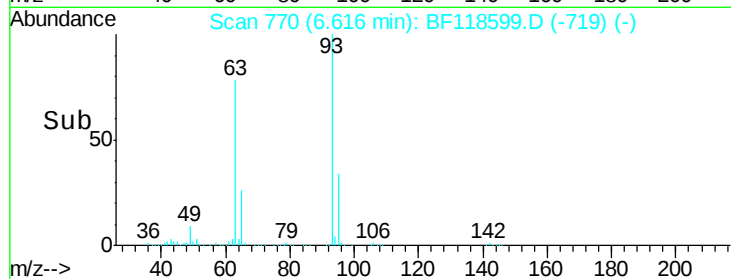
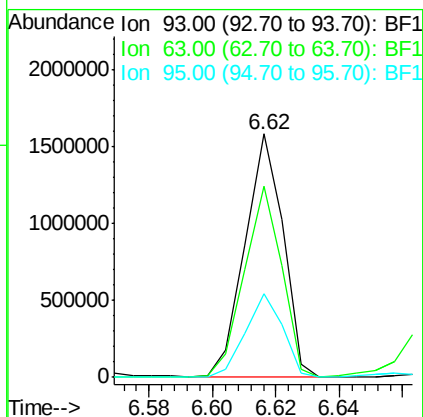
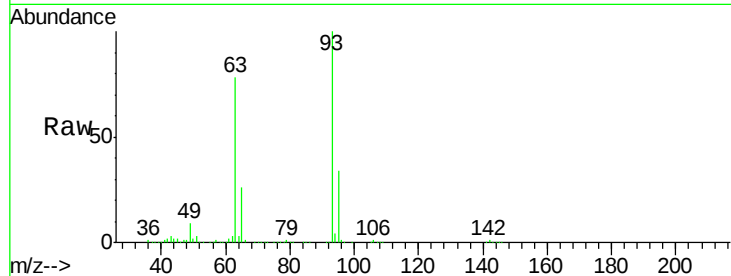
#11
bis(2-Chloroethyl)ether
Concen: 41.966 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.4	56.3	96.3
95	34.3	13.3	53.3

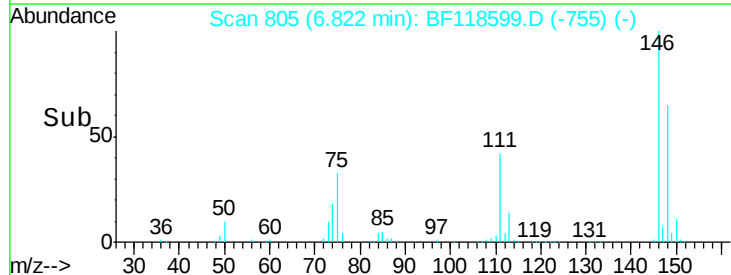
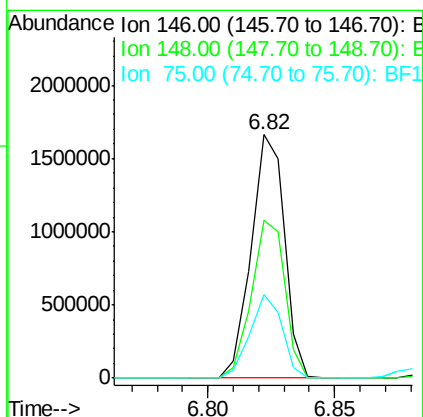
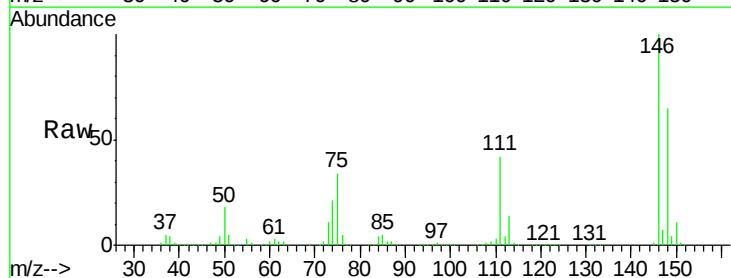
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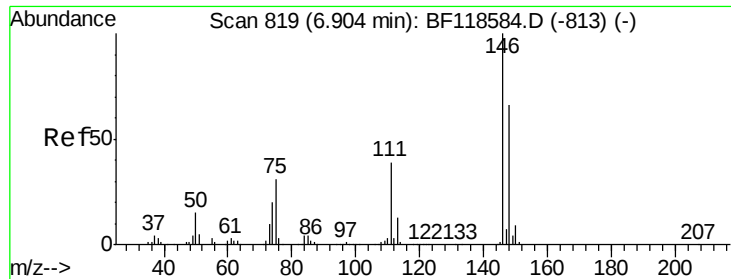
mohammad
1/21/2020 2:26:10 PM



#12
1,3-Dichlorobenzene
Concen: 40.531 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	53.0	79.6
75	34.1	25.1	37.7





#13

1,4-Dichlorobenzene

Concen: 41.244 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:146 Resp: 1558303

Ion Ratio Lower Upper

146 100

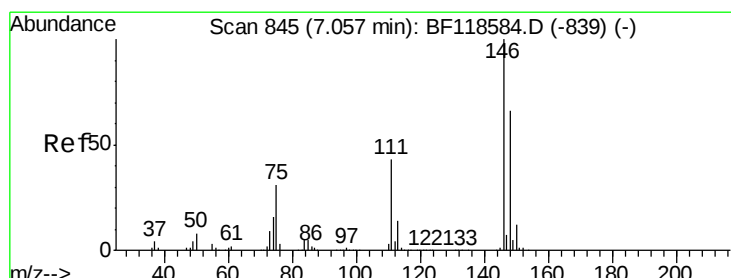
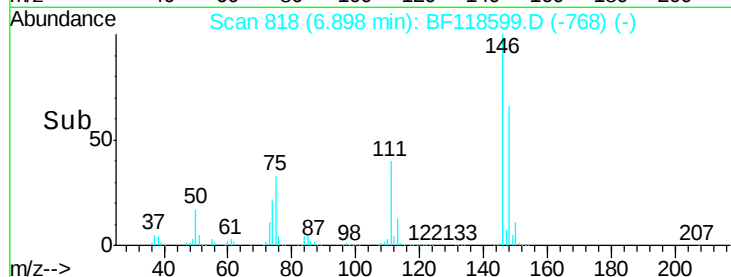
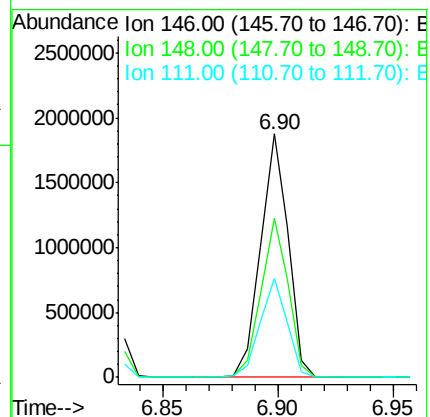
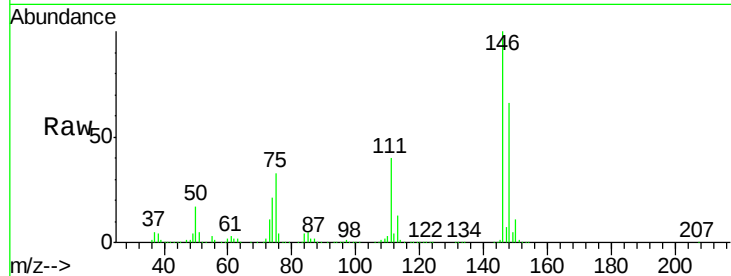
148 65.5 52.4 78.6

111 40.5 31.6 47.4

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#14

1,2-Dichlorobenzene

Concen: 41.555 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

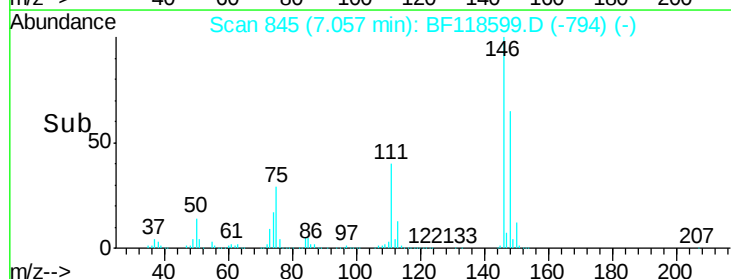
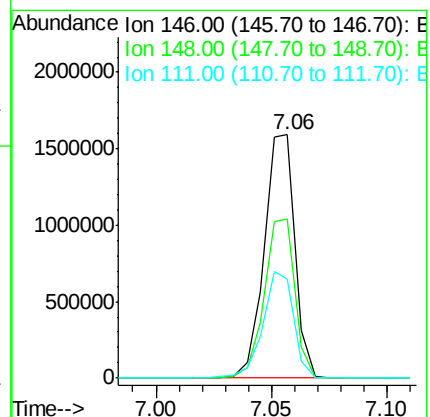
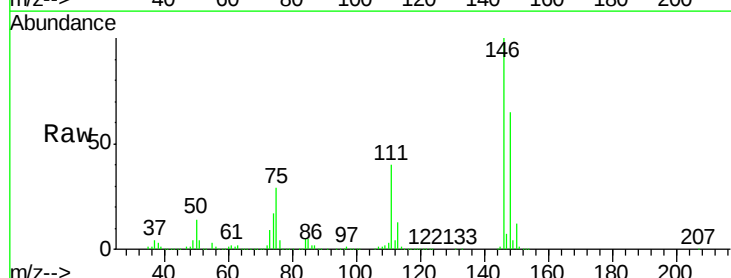
Tgt Ion:146 Resp: 1475942

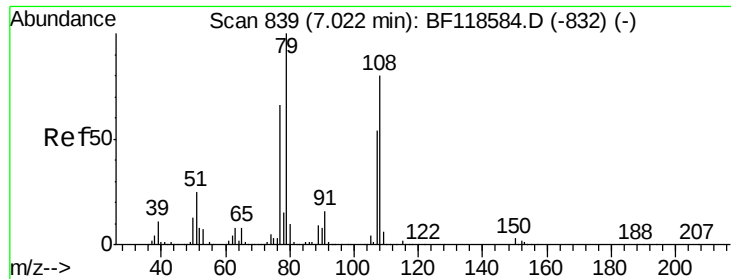
Ion Ratio Lower Upper

146 100

148 65.4 52.7 79.1

111 40.4 34.6 52.0





#15

Benzyl Alcohol

Concen: 43.641 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion: 79 Resp: 1288727

Ion Ratio Lower Upper

79 100

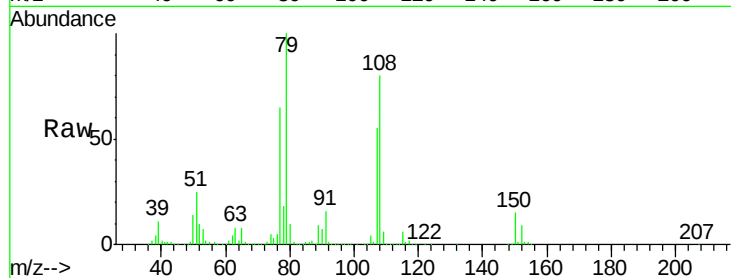
108 80.0 63.6 95.4

77 64.6 52.5 78.7

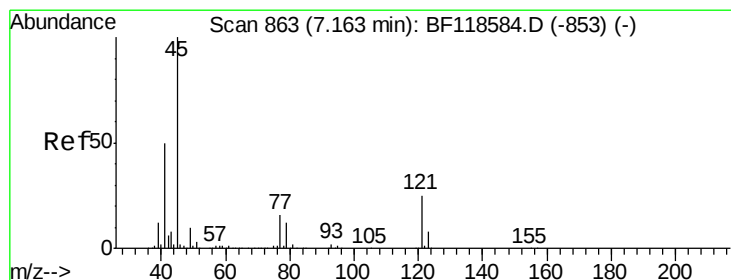
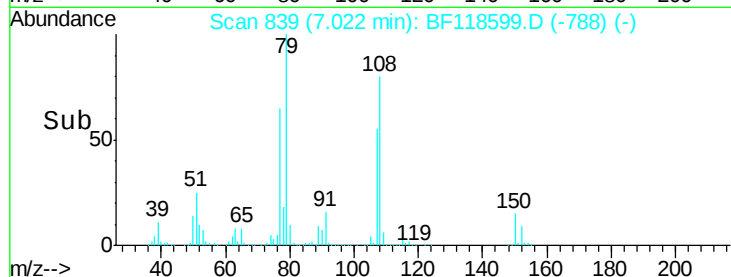
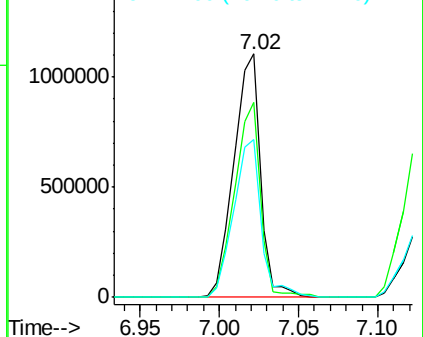
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Abundance Ion 79.00 (78.70 to 79.70): BF1
1500000 Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 40.686 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

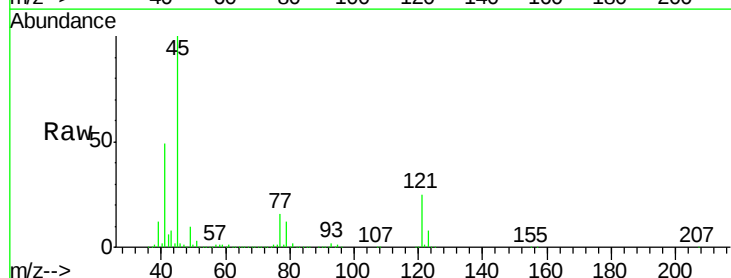
Tgt Ion: 45 Resp: 1784314

Ion Ratio Lower Upper

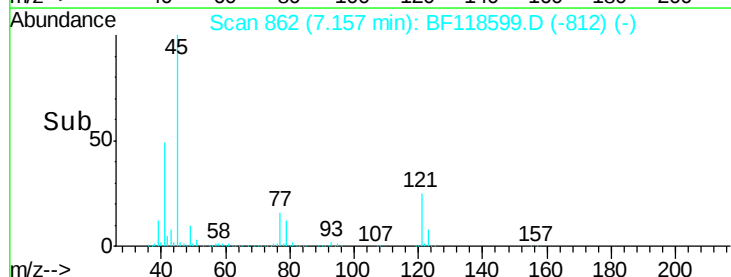
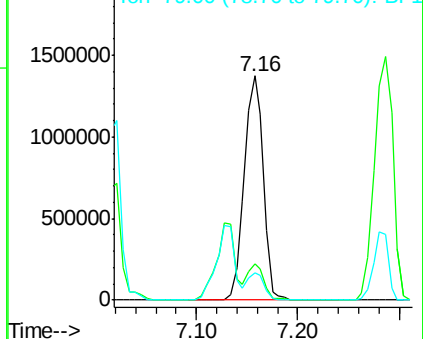
45 100

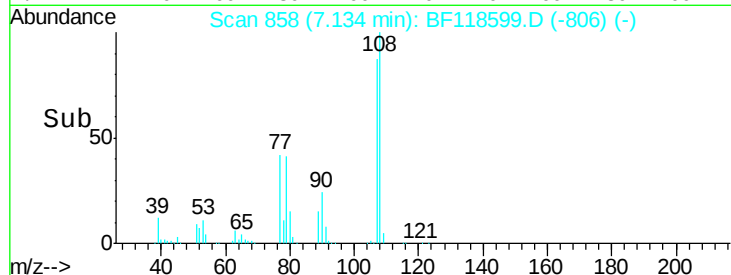
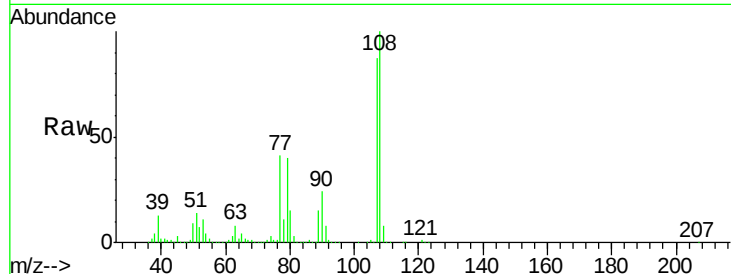
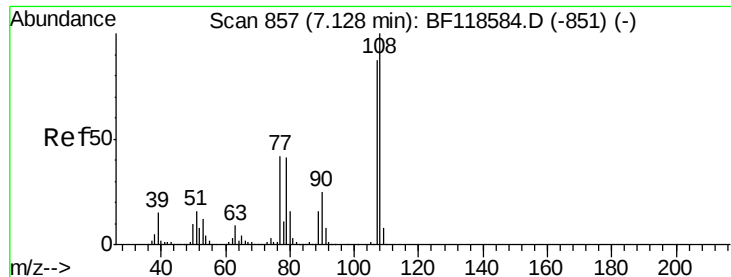
77 16.0 0.0 36.1

79 12.3 0.0 32.4



Abundance Ion 45.00 (44.70 to 45.70): BF1
2000000 Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





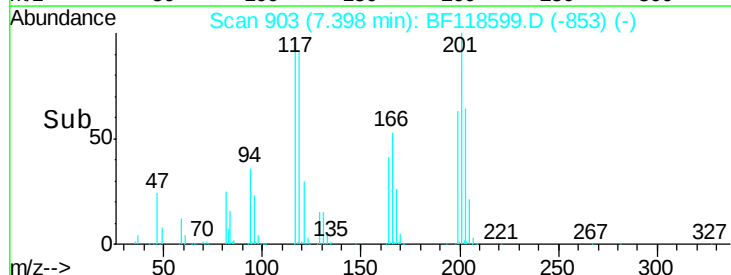
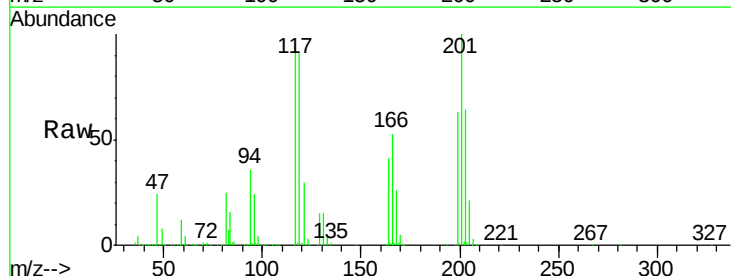
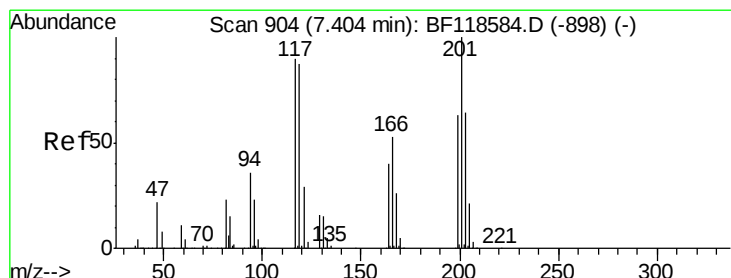
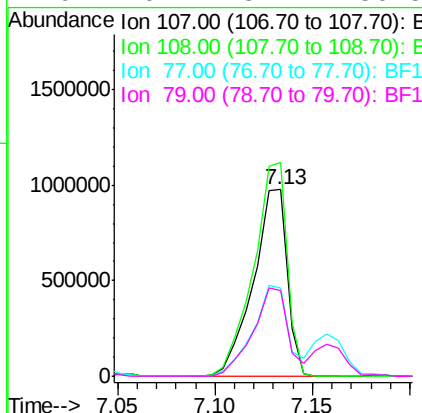
#17
2-Methylphenol
Concen: 44.138 ng
RT: 7.13 min Scan# 858
Delta R.T. 0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tot Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.5	137.3
77	47.5	38.7	58.1
79	46.2	37.7	56.5

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

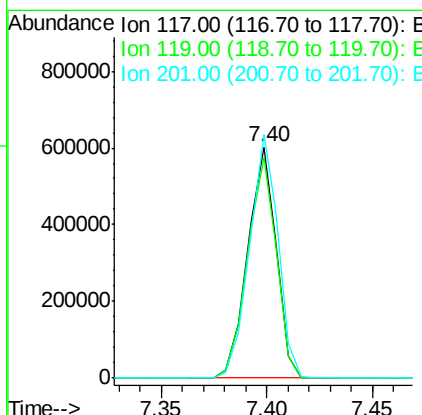
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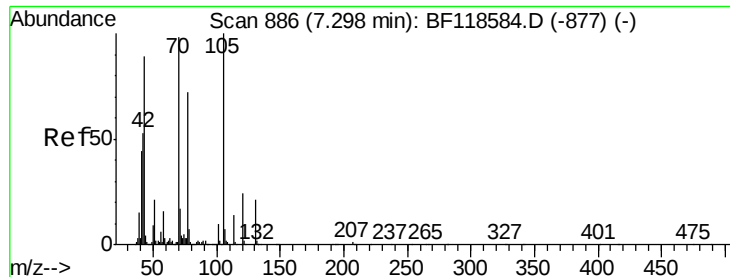
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#18
Hexachloroethane
Concen: 41.167 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.6	116.4
201	105.3	88.8	133.2





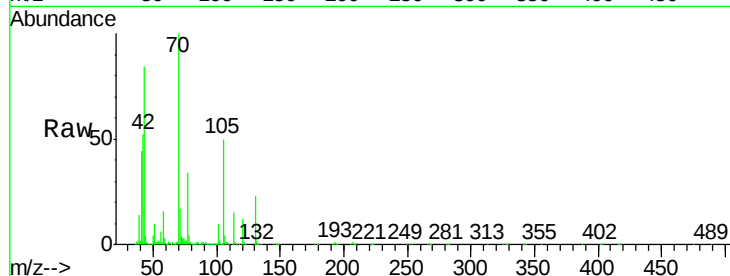
#19
n-Nitroso-di-n-propylamine
Concen: 42.472 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

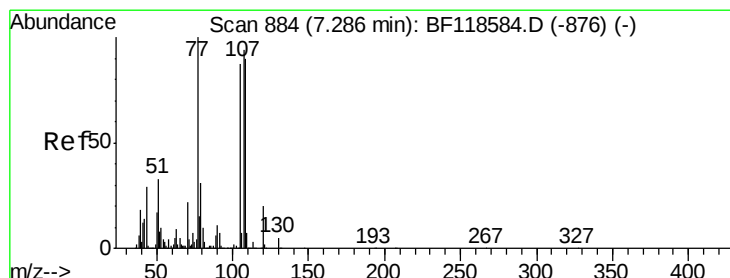
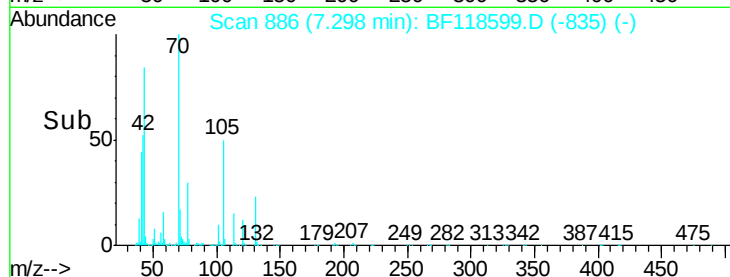
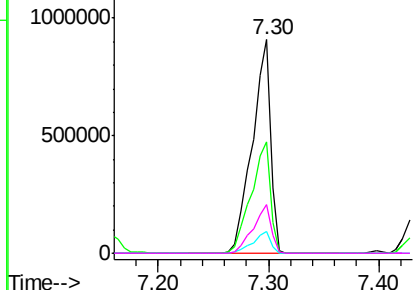
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	51.9	43.4	65.0	
101	10.1	8.1	12.1	
130	22.7	17.6	26.4	

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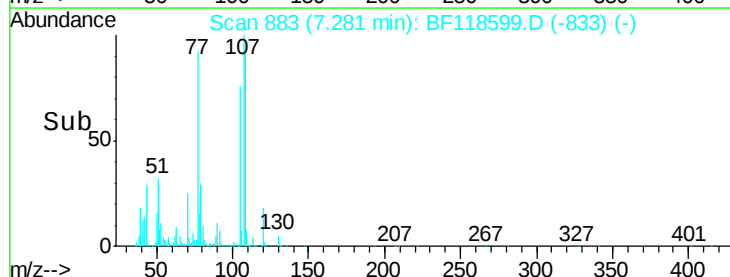
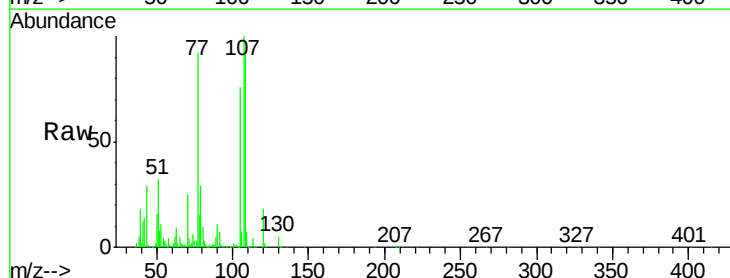
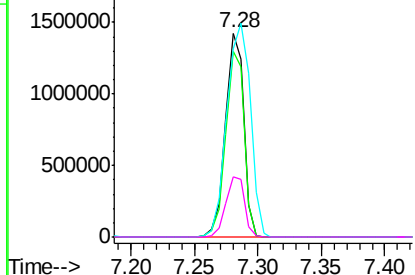
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

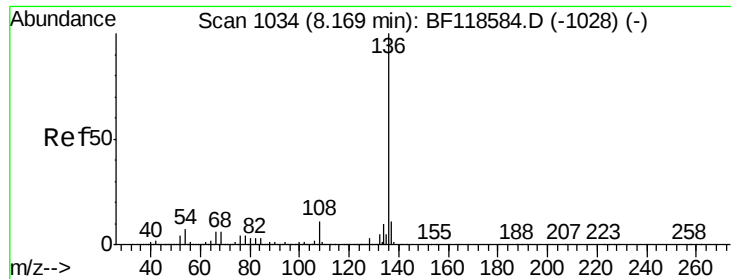


#20
3+4-Methylphenols
Concen: 43.622 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	91.2	75.8	115.8	
77	92.3	86.5	126.5	
79	29.4	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: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:136 Resp: 1976823

Ion Ratio Lower Upper

136 100

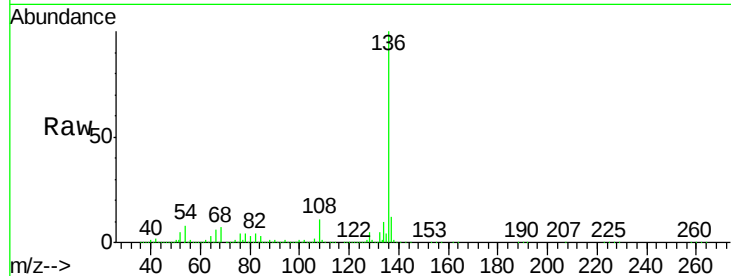
137 11.9 9.1 13.7

54 7.8 5.8 8.6

68 6.6 5.0 7.4

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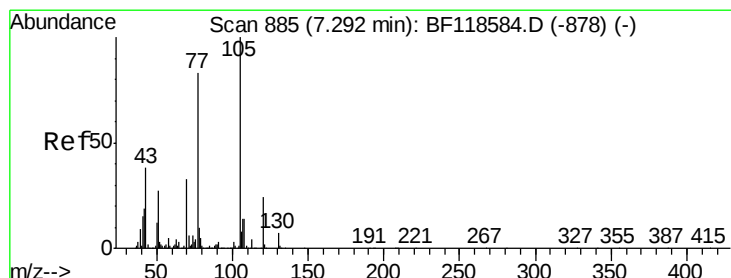
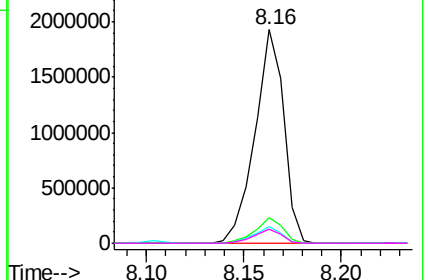
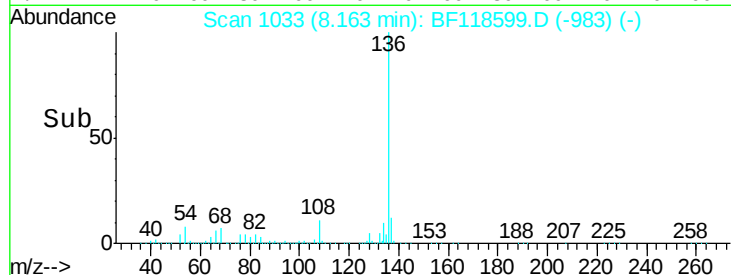


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 40.169 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Tgt Ion:105 Resp: 1881074

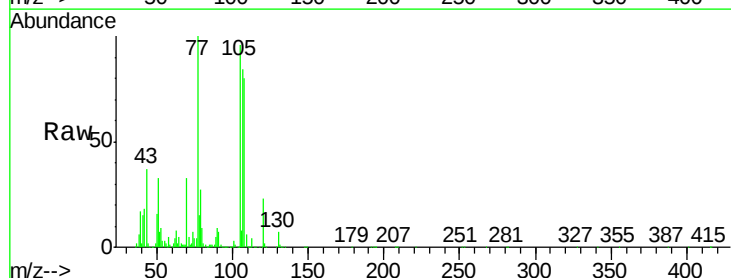
Ion Ratio Lower Upper

105 100

71 5.7 4.5 6.7

51 34.1 21.5 32.3#

120 23.7 19.0 28.6

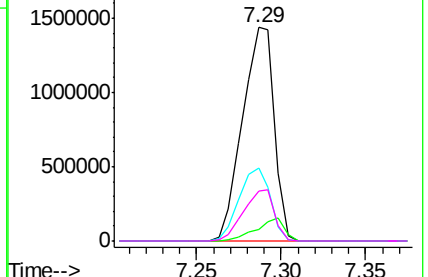
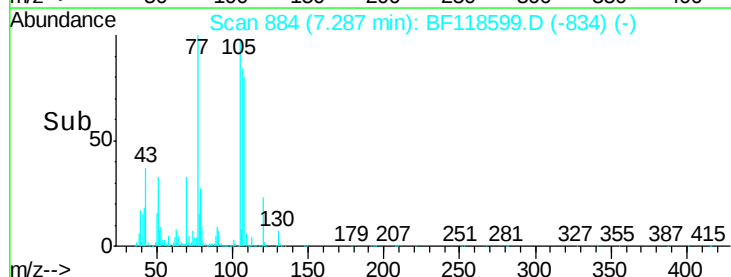


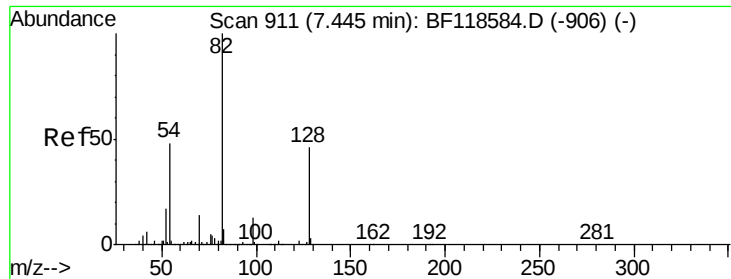
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





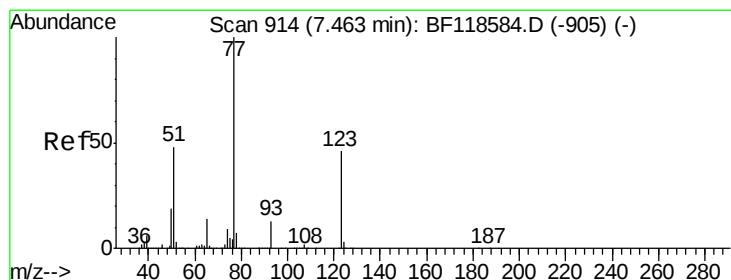
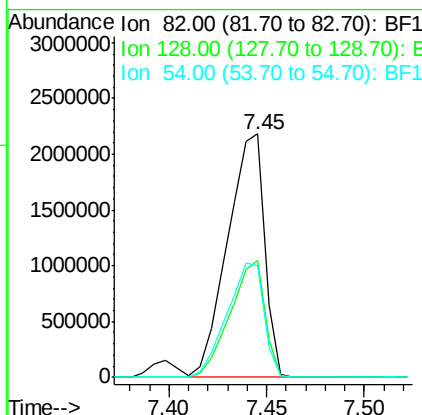
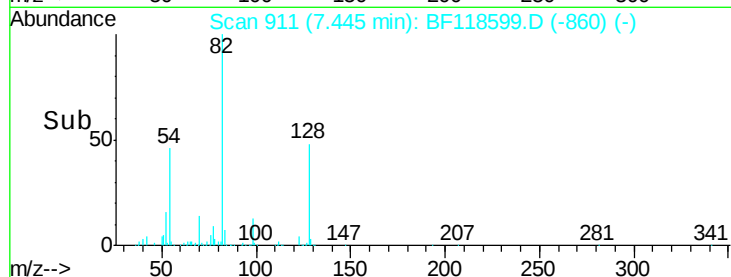
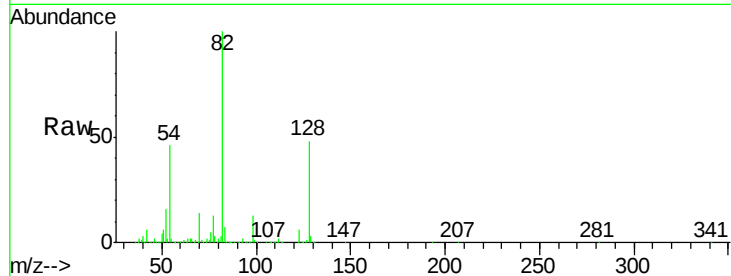
#23
Nitrobenzene-d5
Concen: 81.026 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.6	54.8
54	46.1	38.0	57.0

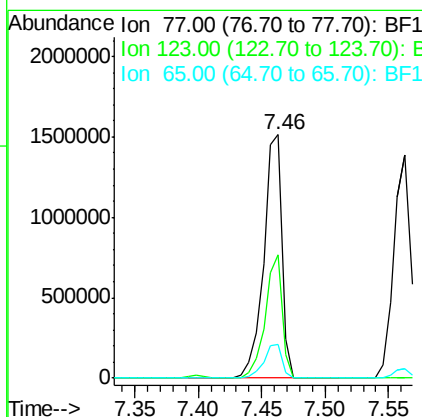
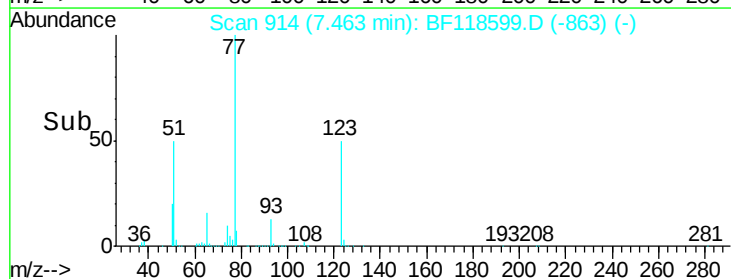
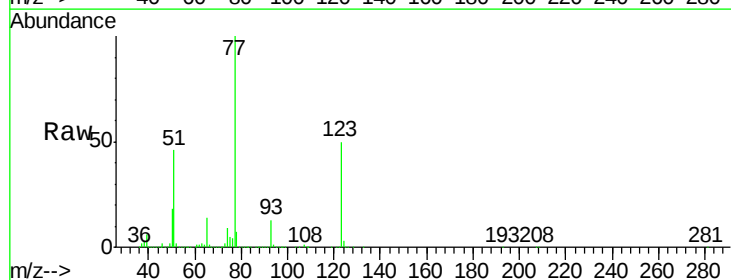
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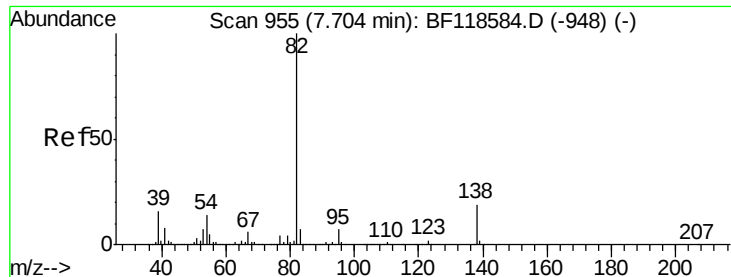
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#24
Nitrobenzene
Concen: 42.210 ng
RT: 7.46 min Scan# 914
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.4	37.0	55.4
65	13.7	11.1	16.7





#25

Isophorone

Concen: 42.753 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion: 82 Resp: 2755981

Ion Ratio Lower Upper

82 100

95 7.5 5.9 8.9

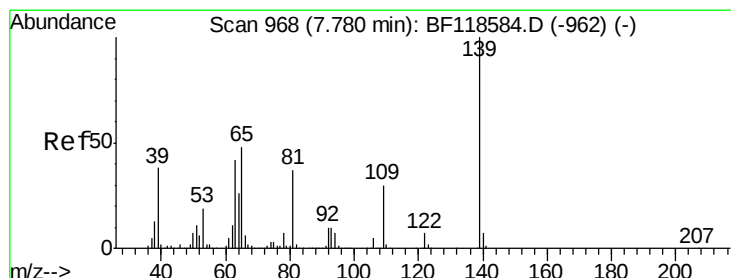
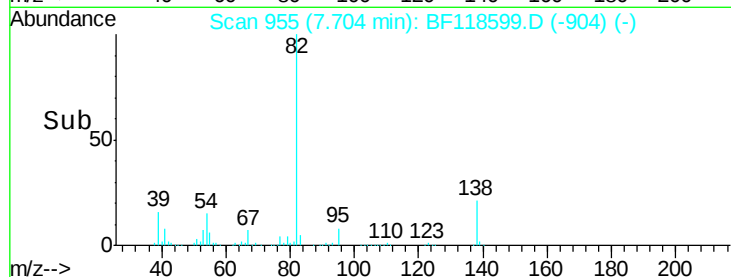
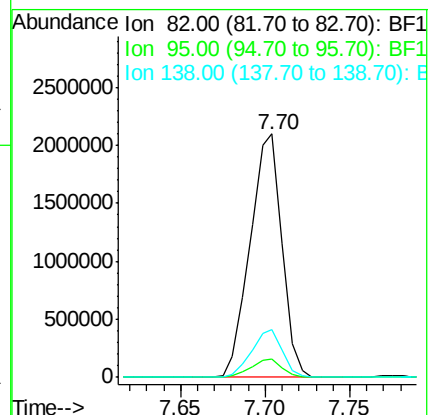
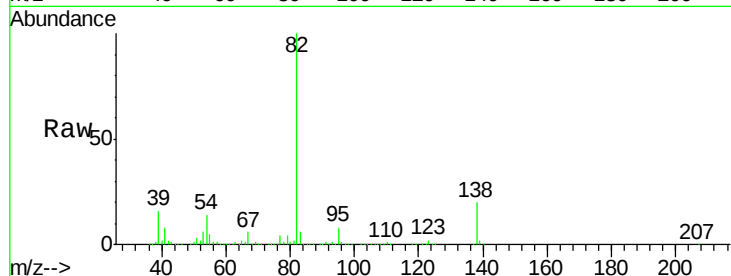
138 19.7 15.3 22.9

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#26

2-Nitrophenol

Concen: 47.994 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

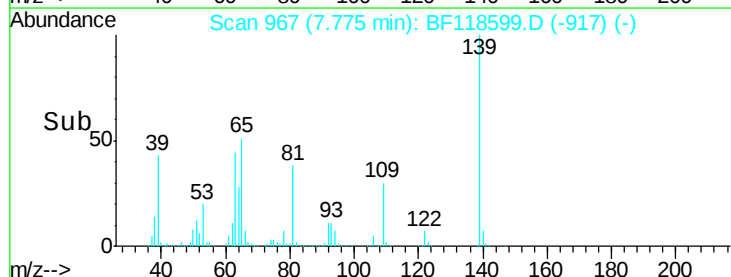
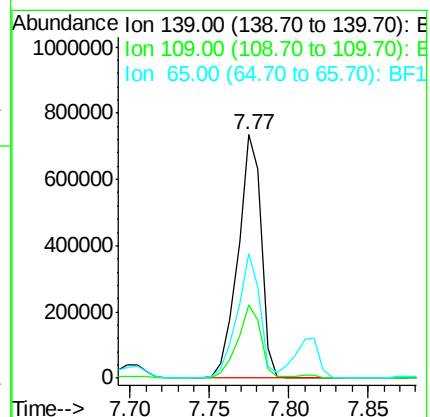
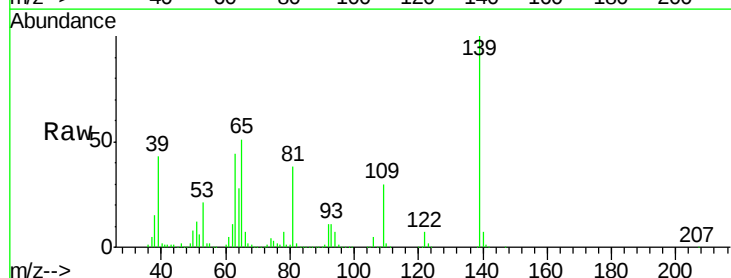
Tgt Ion: 139 Resp: 740649

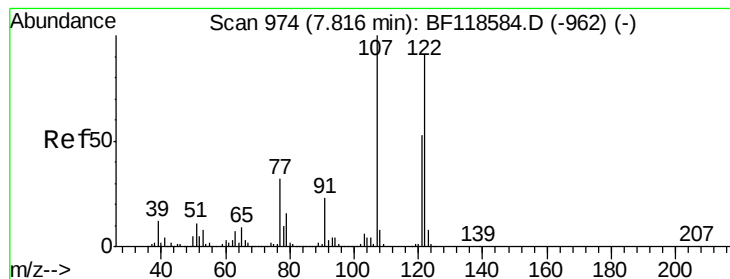
Ion Ratio Lower Upper

139 100

109 30.2 23.8 35.8

65 51.3 38.5 57.7





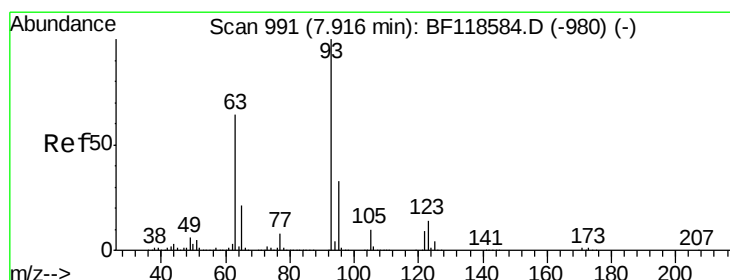
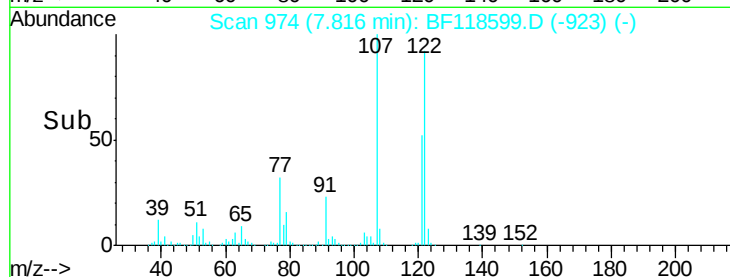
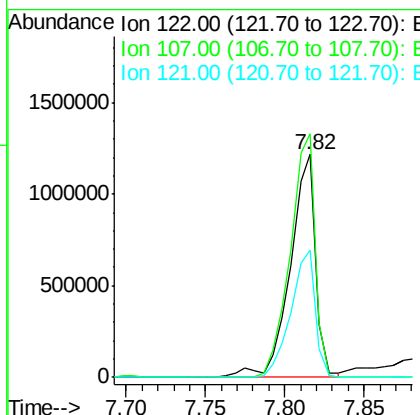
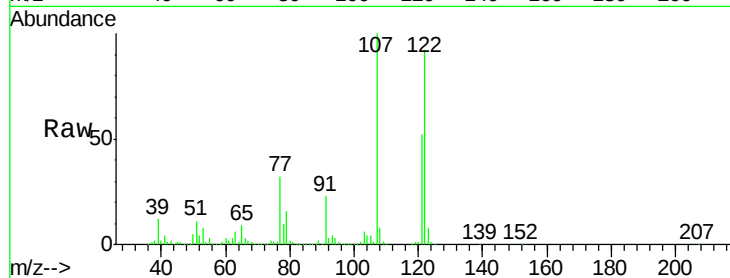
#27
2,4-Dimethylphenol
Concen: 50.753 ng
RT: 7.82 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
122	100		
107	109.3	88.0	132.0
121	57.3	46.3	69.5

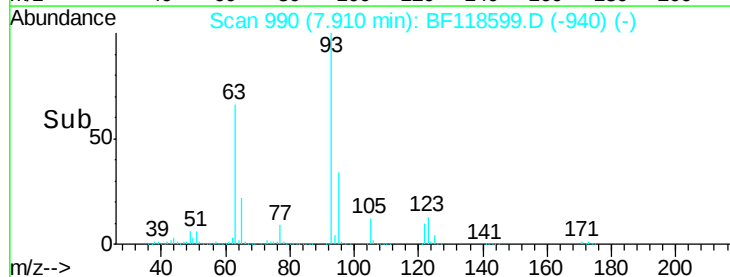
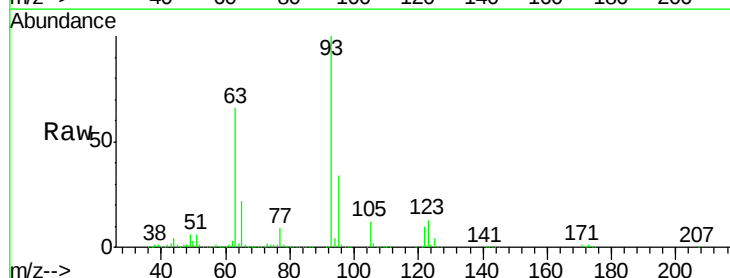
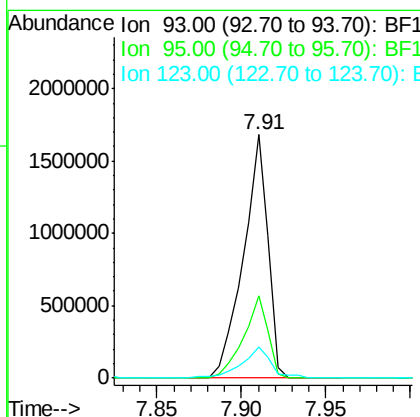
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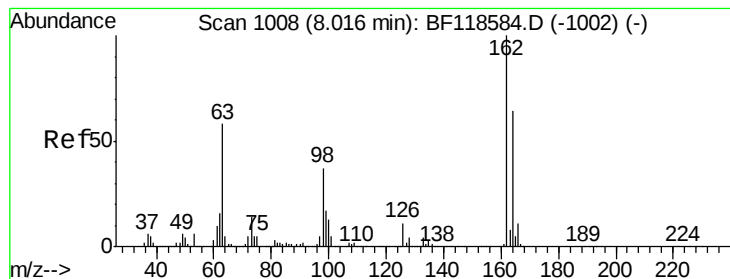
mohammad
1/21/2020 2:26:10 PM



#28
bis(2-Chloroethoxy)methane
Concen: 41.173 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	26.7	40.1
123	12.7	11.0	16.6





#29

2,4-Dichlorophenol

Concen: 43.170 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:162 Resp: 1271728

Ion Ratio Lower Upper

162 100

164 64.8 44.3 84.3

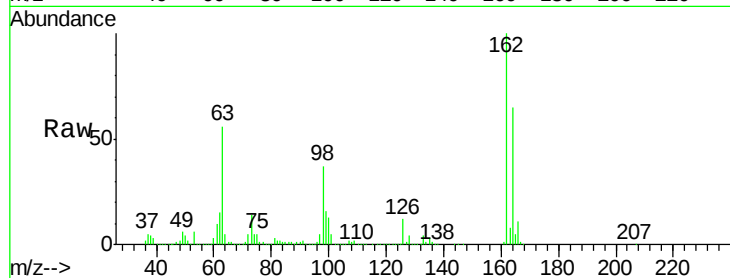
98 36.9 17.5 57.5

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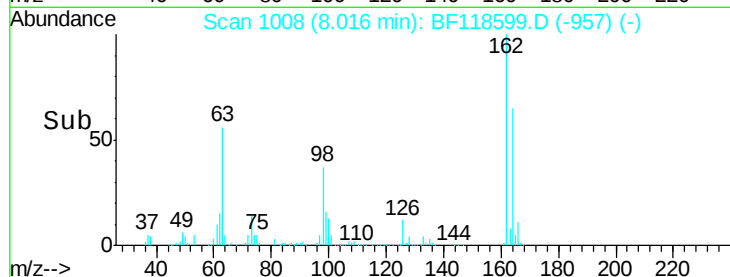


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

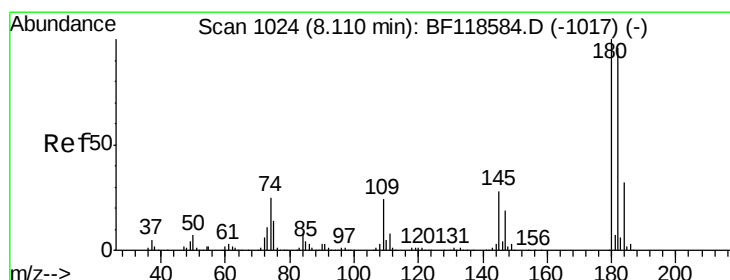
Ion 98.00 (97.70 to 98.70): BF1

Time-->



Abundance

Time-->



#30

1,2,4-Trichlorobenzene

Concen: 40.542 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

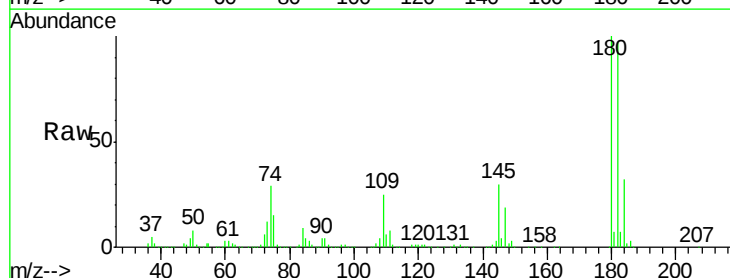
Tgt Ion:180 Resp: 1384757

Ion Ratio Lower Upper

180 100

182 96.6 76.9 115.3

145 29.5 22.8 34.2

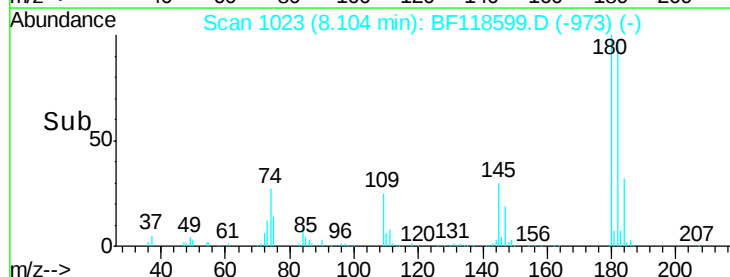


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

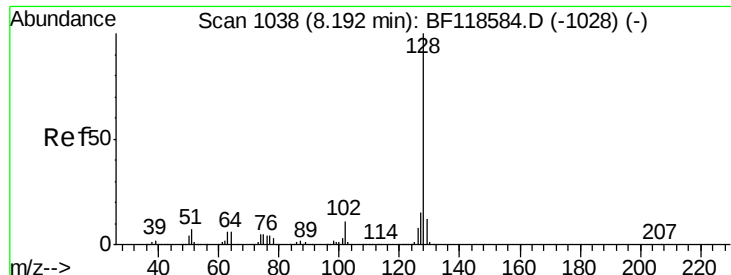
Ion 145.00 (144.70 to 145.70): E

Time-->



Abundance

Time-->



#31

Naphthalene

Concen: 43.122 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:128 Resp: 3850808

Ion Ratio Lower Upper

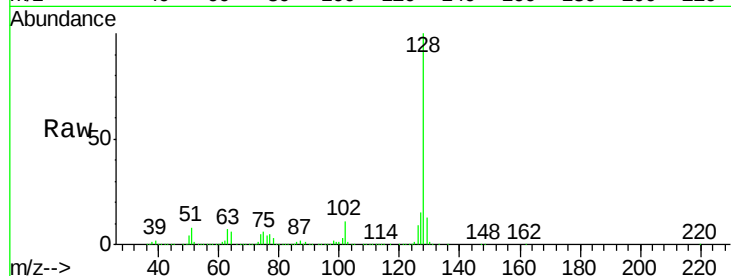
128 100

129 13.2 9.9 14.9

127 15.5 12.0 18.0

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Abundance Ion 128.00 (127.70 to 128.70): E

5000000 Ion 129.00 (128.70 to 129.70): E

4000000 Ion 127.00 (126.70 to 127.70): E

3000000

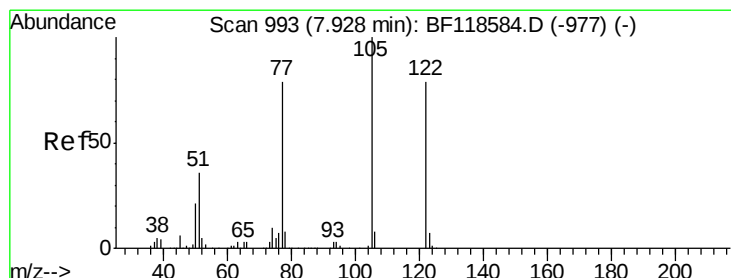
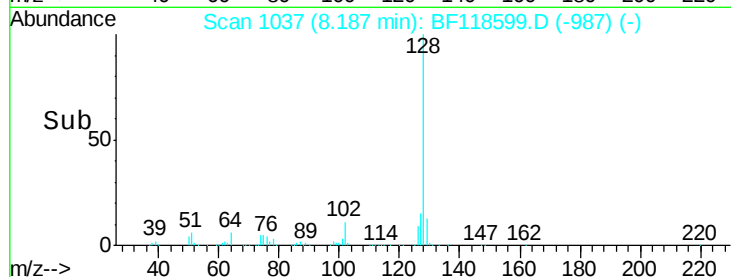
2000000

1000000

0

8.15 8.20

Time-->



#32

Benzoic acid

Concen: 37.049 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

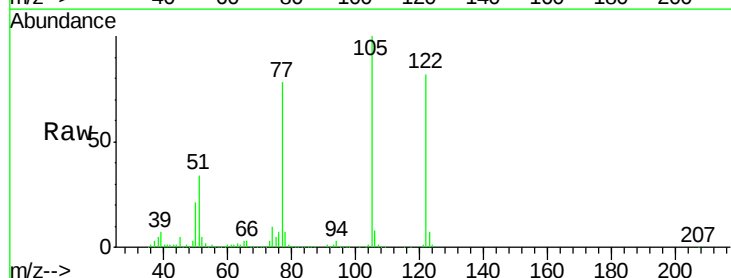
Tgt Ion:122 Resp: 740952

Ion Ratio Lower Upper

122 100

105 122.1 104.3 144.3

77 95.3 79.4 119.4



Abundance Ion 122.00 (121.70 to 122.70): E

1500000 Ion 105.00 (104.70 to 105.70): E

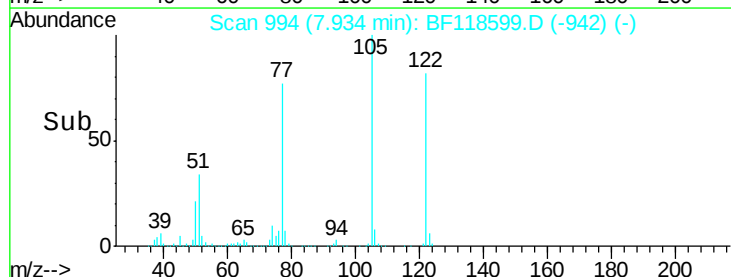
1000000 Ion 77.00 (76.70 to 77.70): BF1

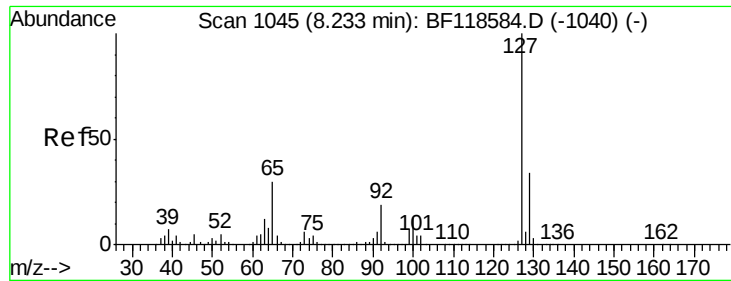
500000

0

7.80 7.90 8.00

Time-->





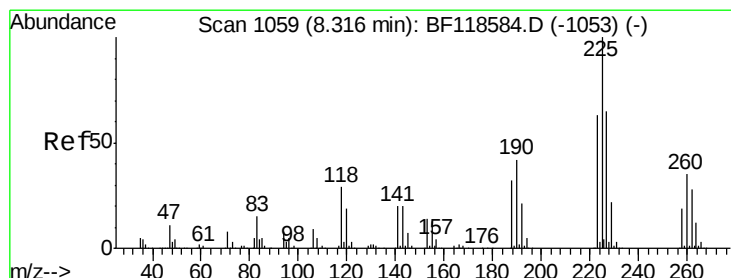
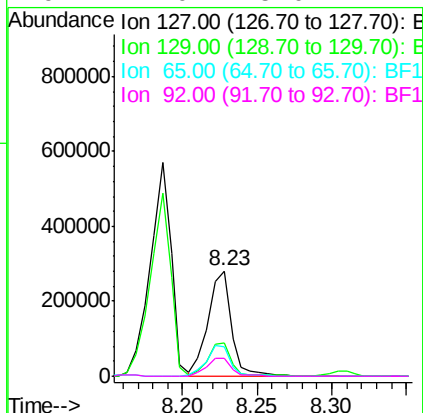
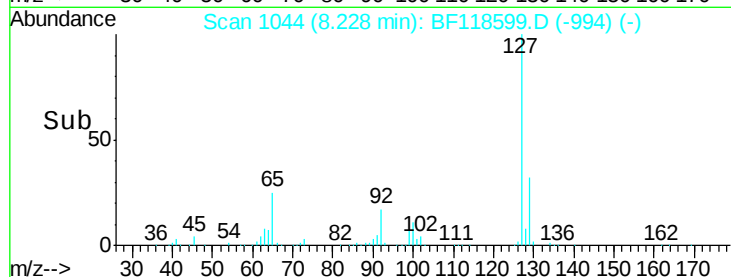
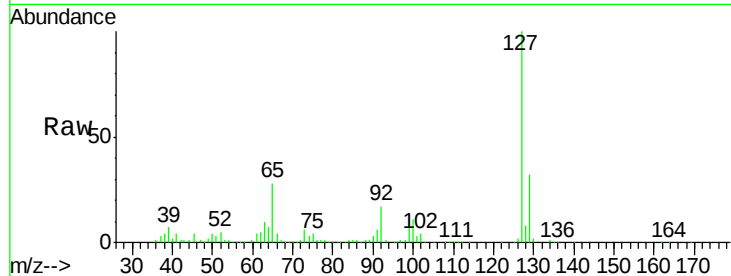
#33
4-Chloroaniline
Concen: 7.351 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.8	27.4	41.0		
65	28.1	23.6	35.4		
92	17.0	15.0	22.4		

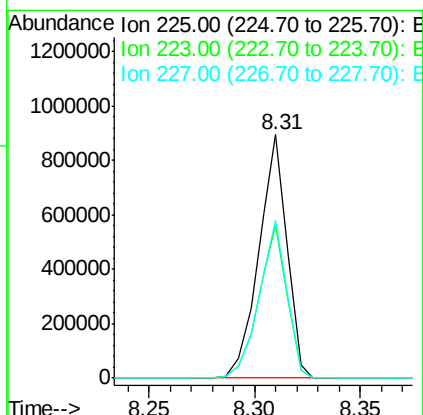
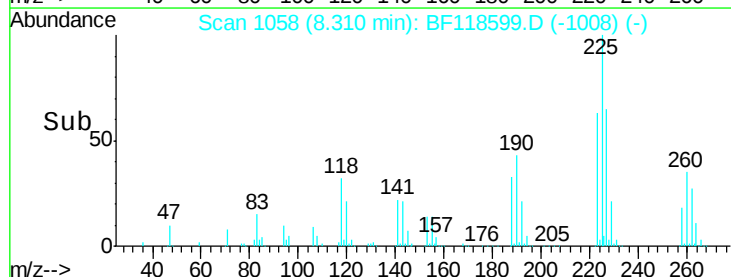
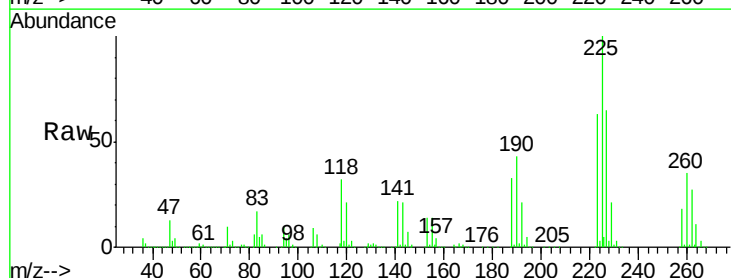
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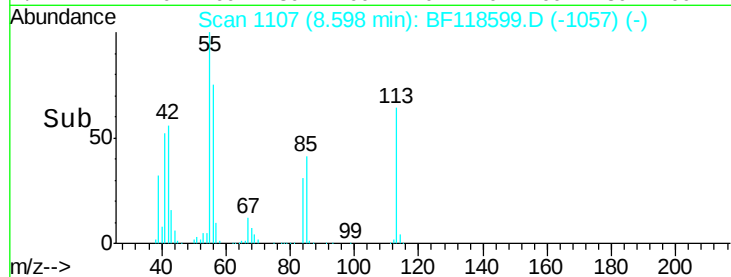
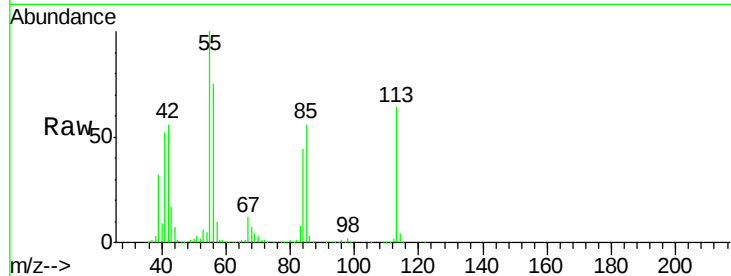
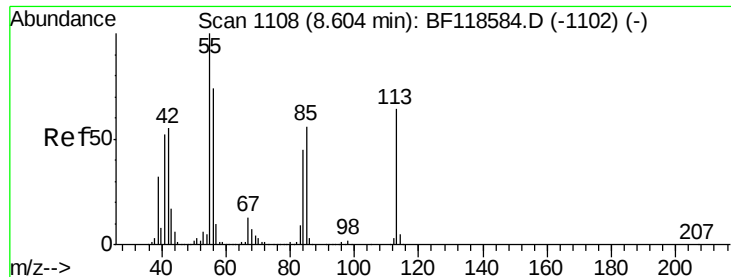
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#34
Hexachlorobutadiene
Concen: 39.570 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.9	50.2	75.4		
227	64.9	52.1	78.1		





#35

Caprolactam

Concen: 39.516 ng/mL

RT: 8.60 min Scan# 1107

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Tot Ion:	113	Resp:	380944
Ion Ratio	Lower	Upper	
113	100		
55	157.4	136.1	176.1
56	117.5	95.2	135.2

Instrument :

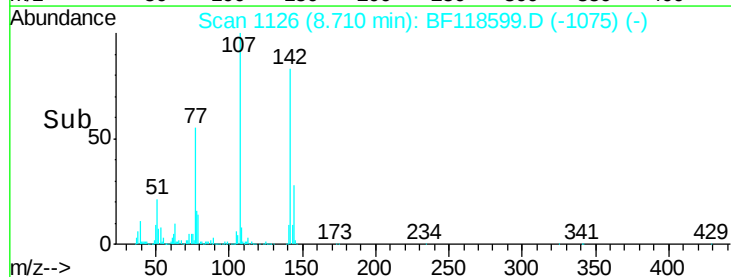
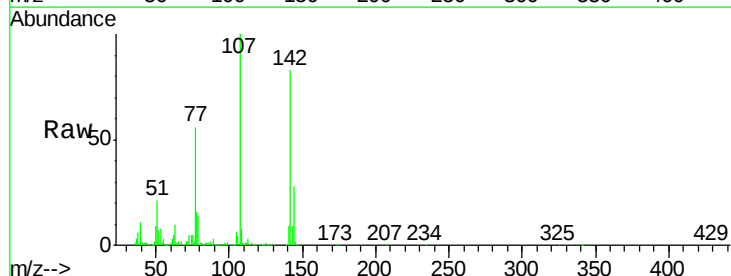
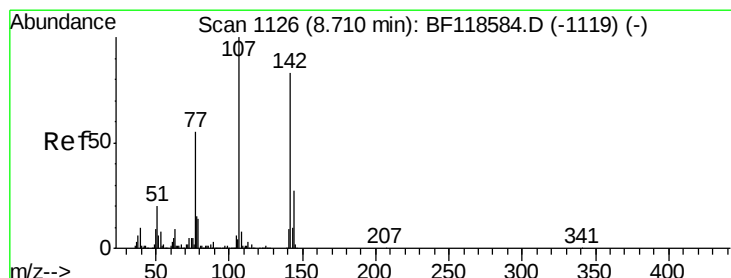
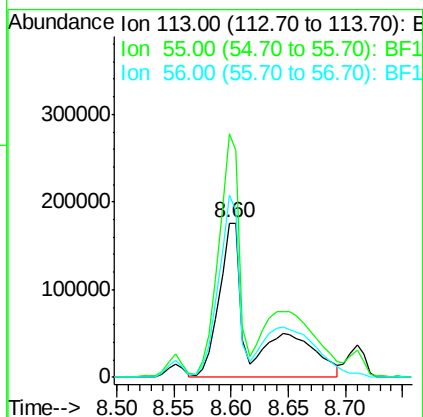
BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

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#36

4-Chloro-3-methylphenol

Concen: 42.442 ng/mL

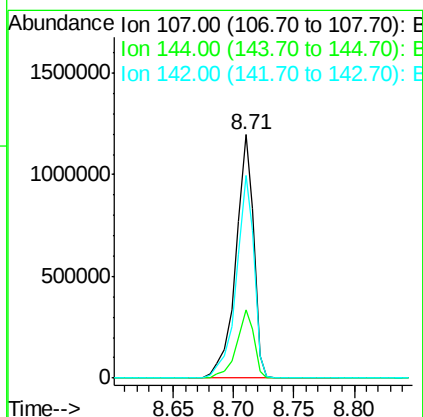
RT: 8.71 min Scan# 1126

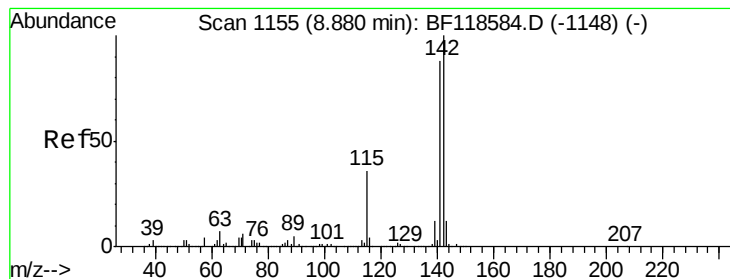
Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Tgt Ion:	107	Resp:	1234646
Ion Ratio	Lower	Upper	
107	100		
144	27.8	21.8	32.8
142	83.4	66.5	99.7





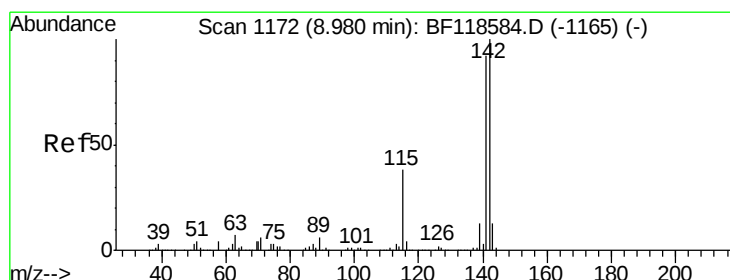
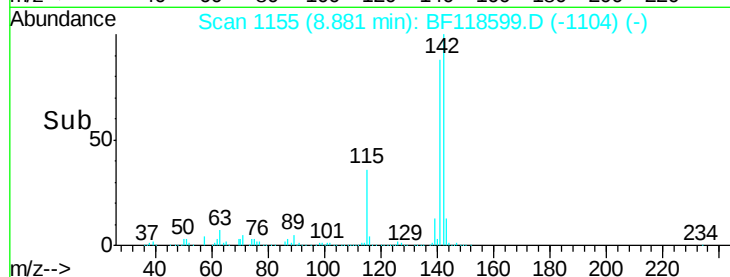
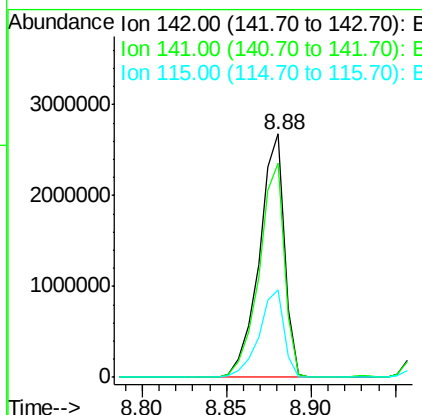
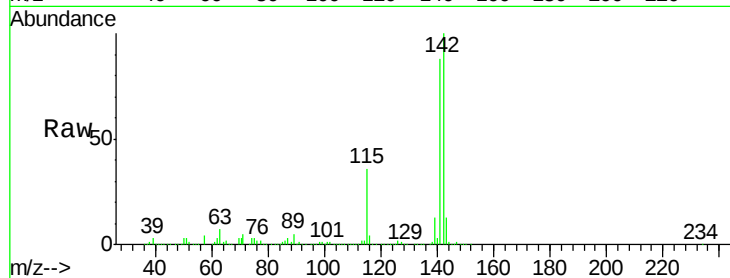
#37
2-Methylnaphthalene
Concen: 43.789 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:142 Resp: 2760130
Ion Ratio Lower Upper
142 100
141 88.1 70.7 106.1
115 35.8 28.5 42.7

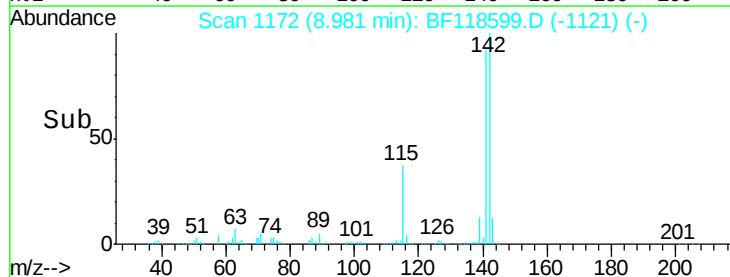
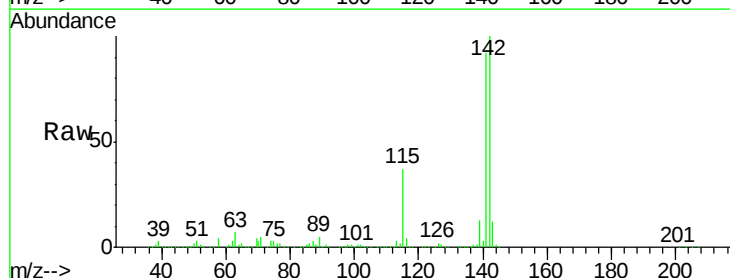
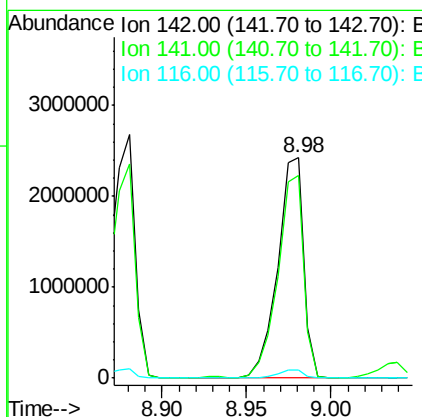
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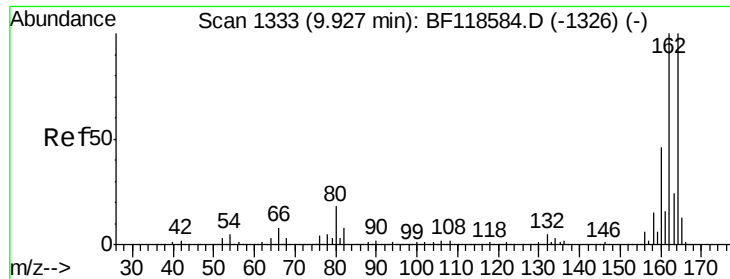
mohammad
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#38
1-Methylnaphthalene
Concen: 43.274 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:142 Resp: 2591411
Ion Ratio Lower Upper
142 100
141 91.9 73.4 110.2
116 3.8 3.3 4.9





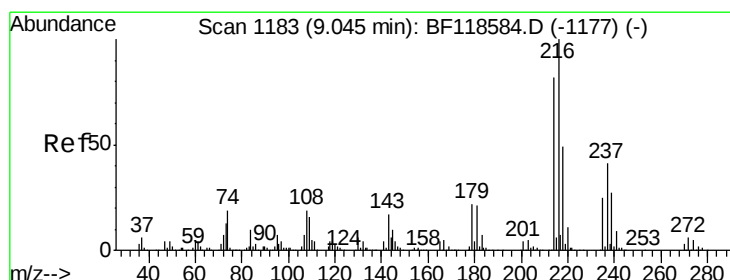
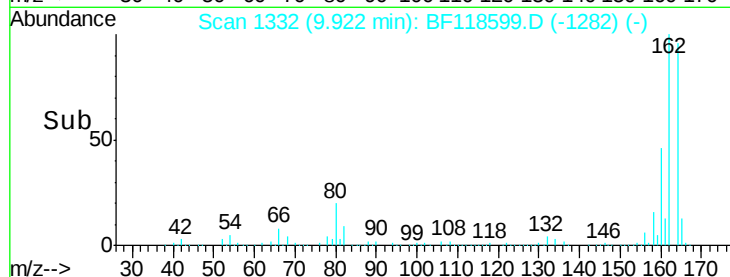
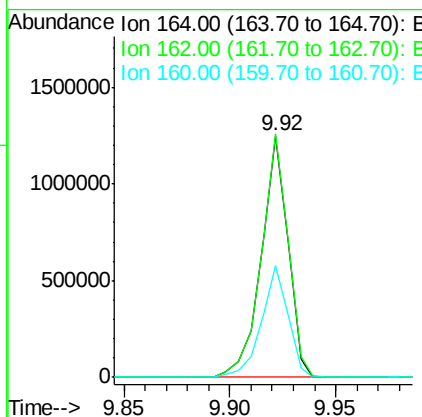
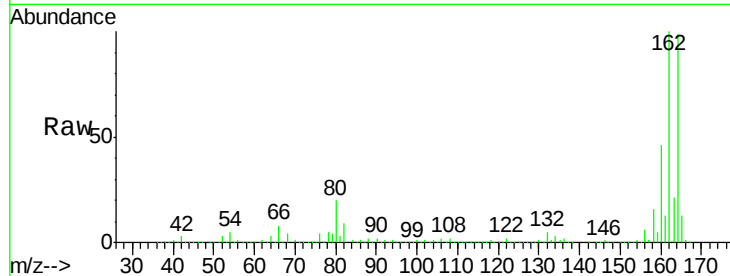
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:164 Resp: 1107492
Ion Ratio Lower Upper
164 100
162 100.7 80.4 120.6
160 46.4 36.6 55.0

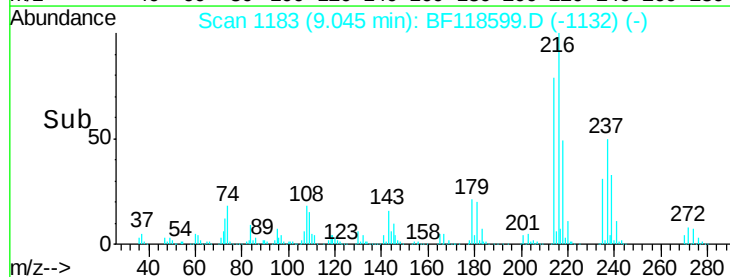
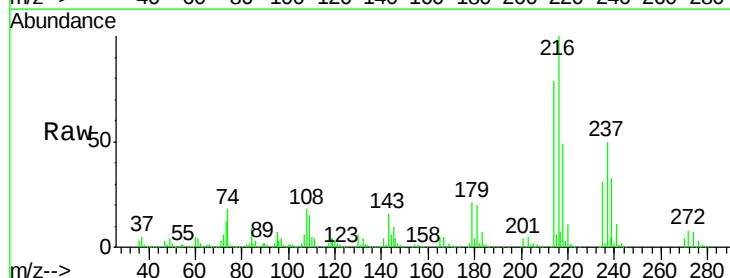
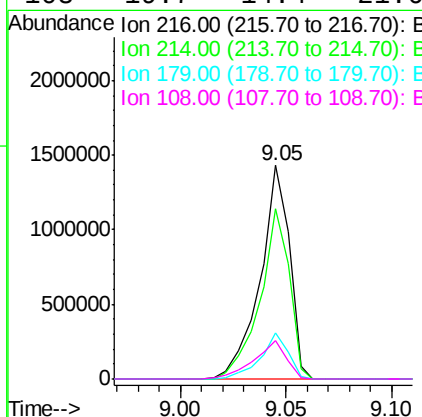
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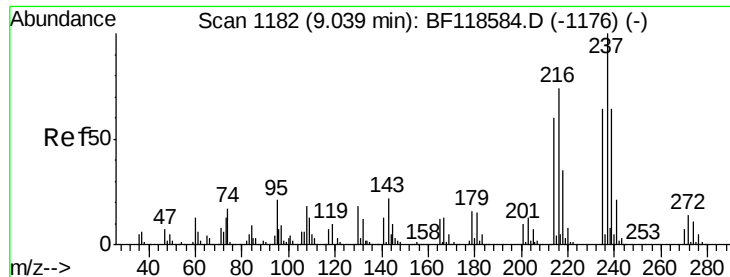
mohammad
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.895 ng
RT: 9.05 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:216 Resp: 1382473
Ion Ratio Lower Upper
216 100
214 79.2 64.2 96.2
179 20.4 16.6 25.0
108 19.7 14.4 21.6





#41

Hexachlorocyclopentadiene

Concen: 91.753 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:237 Resp: 1604163

Ion Ratio Lower Upper

237 100

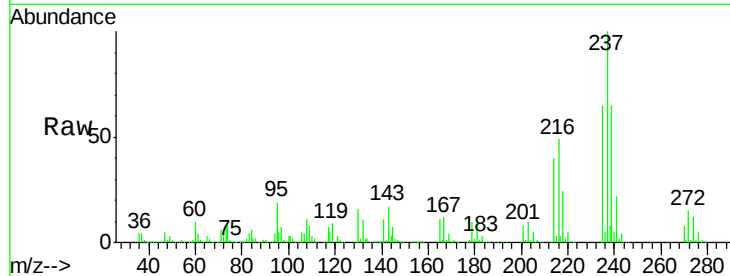
235 65.3 44.0 84.0

272 14.8 0.0 34.0

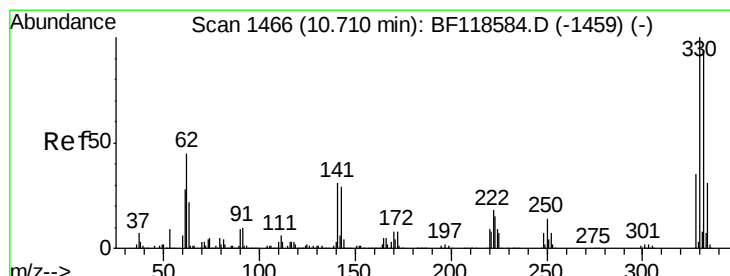
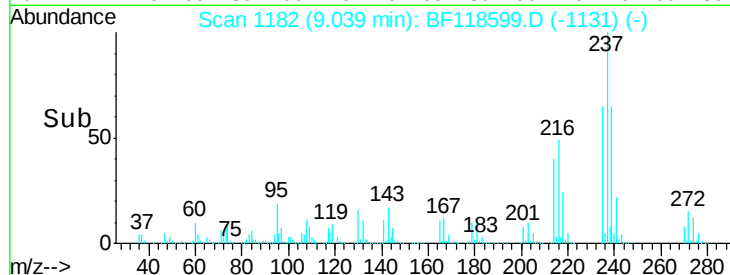
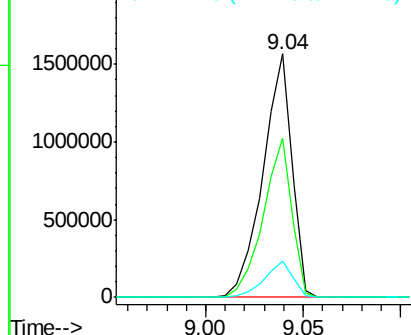
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 115.793 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

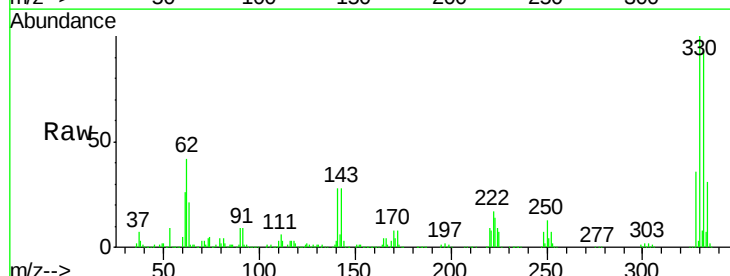
Tgt Ion:330 Resp: 1483252

Ion Ratio Lower Upper

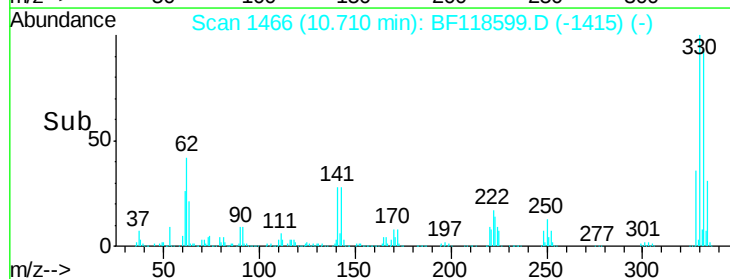
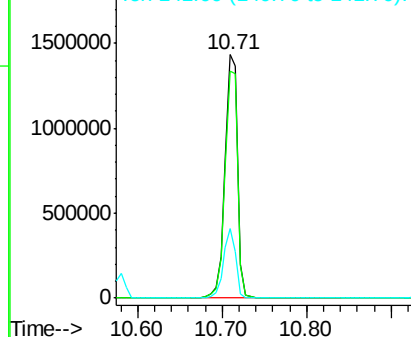
330 100

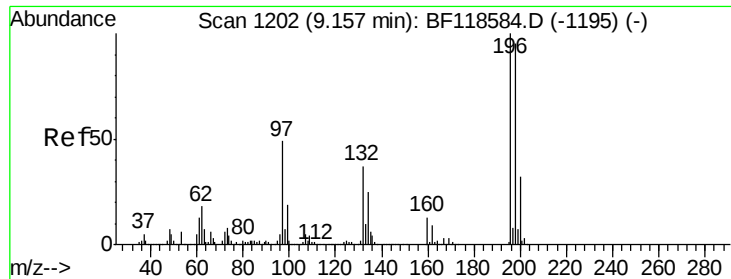
332 94.8 76.2 114.4

141 28.1 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: 42.498 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

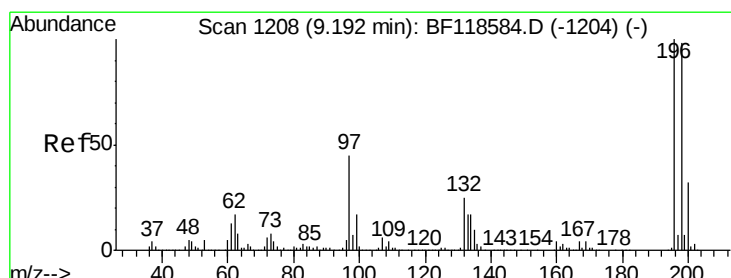
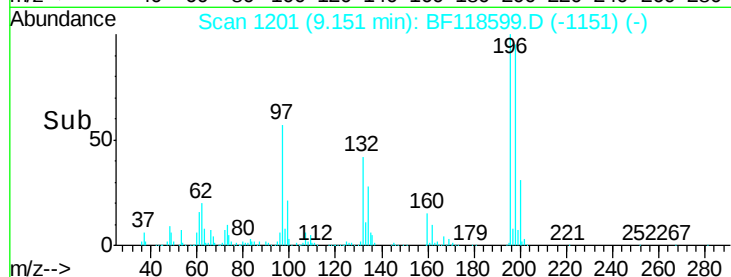
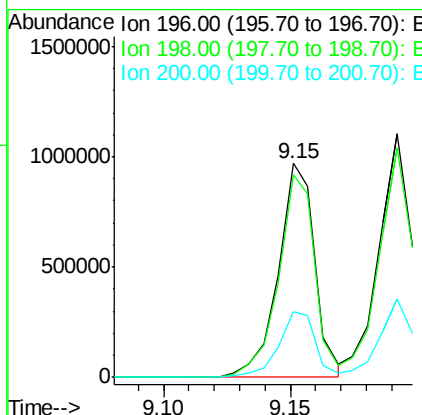
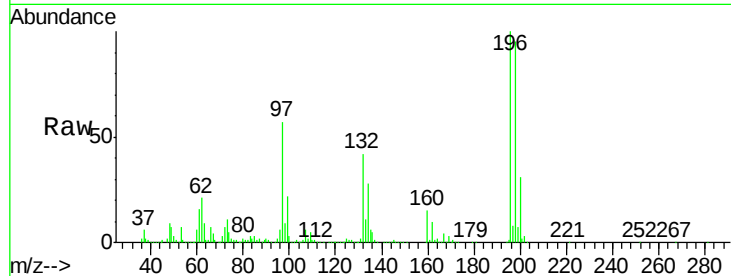
ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:	196	Resp:	977234
Ion Ratio	Lower	Upper	
196	100		
198	94.6	76.3	114.5
200	30.9	25.4	38.2

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#44

2,4,5-Trichlorophenol

Concen: 42.534 ng

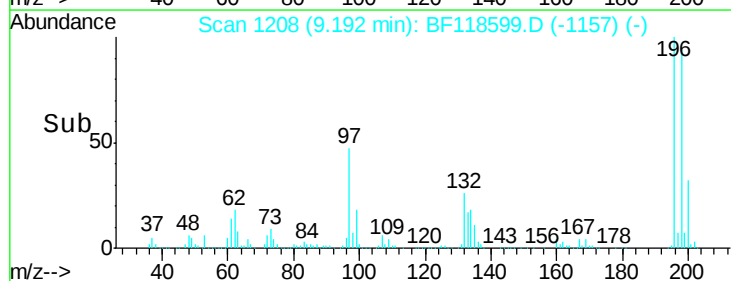
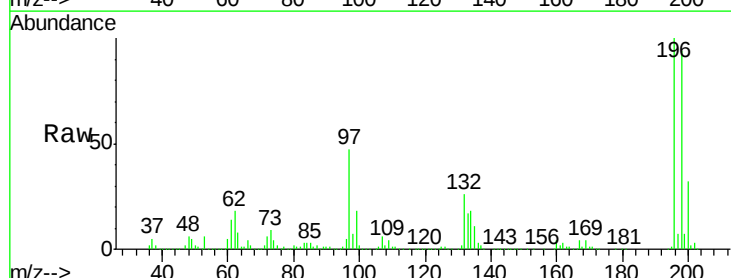
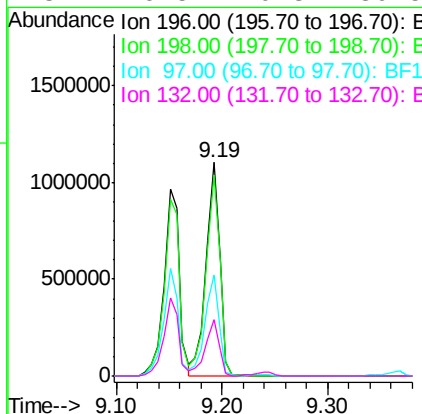
RT: 9.19 min Scan# 1208

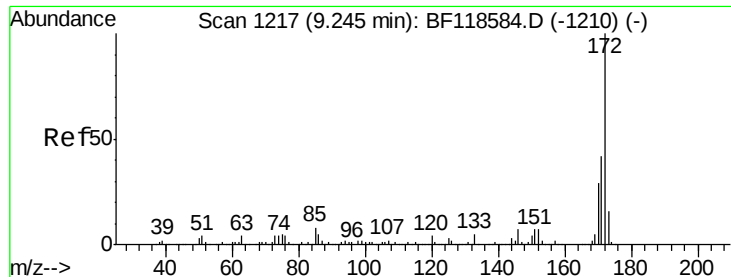
Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Tgt Ion:	196	Resp:	998896
Ion Ratio	Lower	Upper	
196	100		
198	94.2	78.3	117.5
97	47.4	35.9	53.9
132	26.5	20.3	30.5





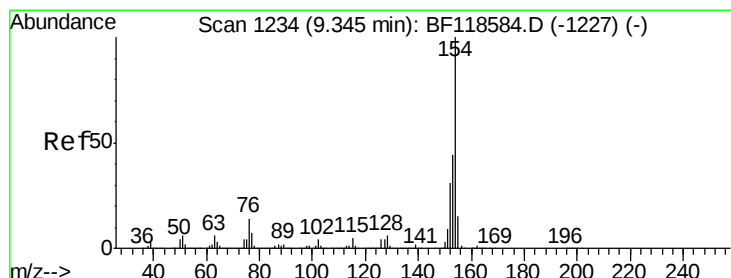
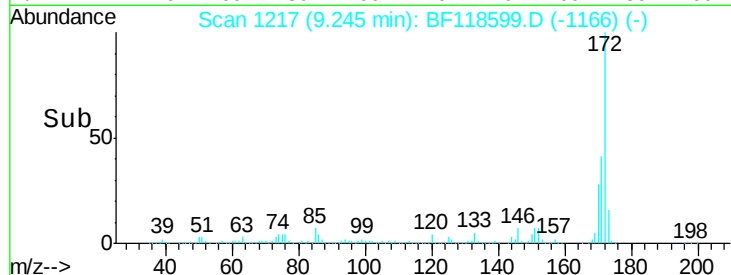
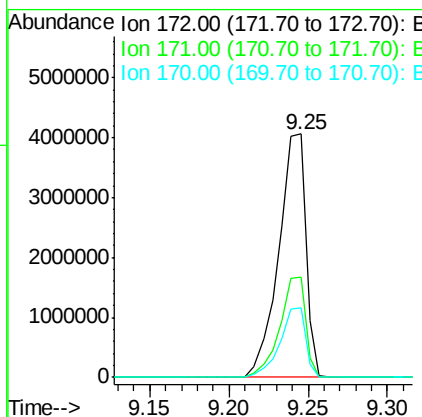
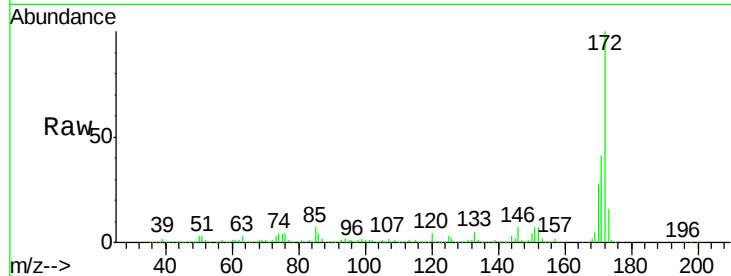
#45
2-Fluorobiphenyl
Concen: 71.947 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:172 Resp: 4847863
Ion Ratio Lower Upper
172 100
171 41.3 33.4 50.2
170 28.4 23.2 34.8

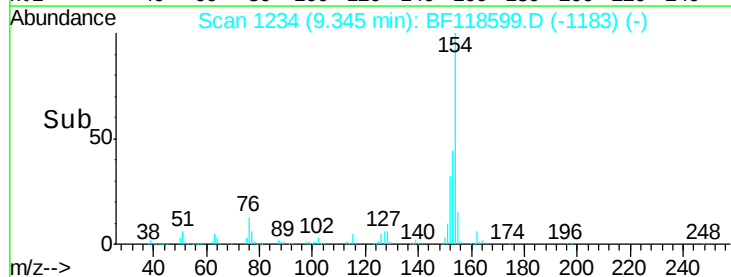
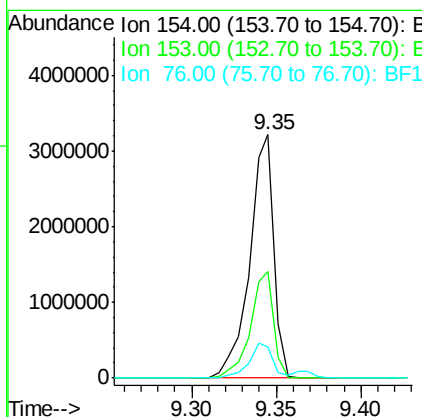
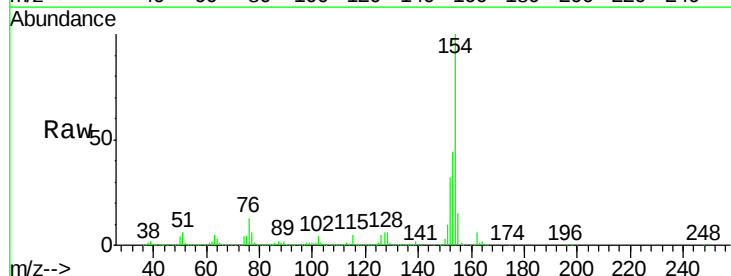
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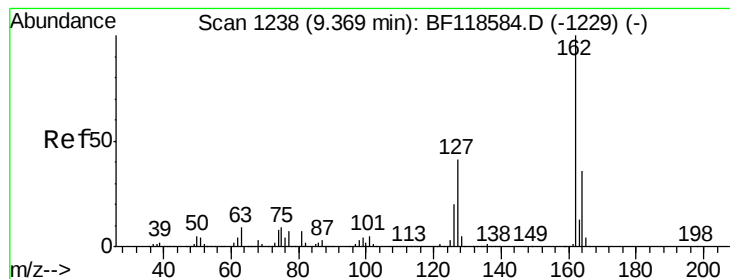
mohammad
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#46
1,1'-Biphenyl
Concen: 41.942 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:154 Resp: 3201352
Ion Ratio Lower Upper
154 100
153 44.0 23.8 63.8
76 13.0 0.0 34.3





#47

2-Chloronaphthalene

Concen: 40.746 ng

RT: 9.37 min Scan# 1238

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion: 162 Resp: 2621395

Ion Ratio Lower Upper

162 100

127 41.0 33.0 49.6

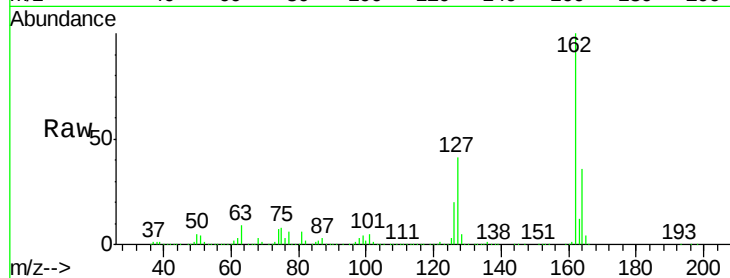
164 36.0 28.6 42.8

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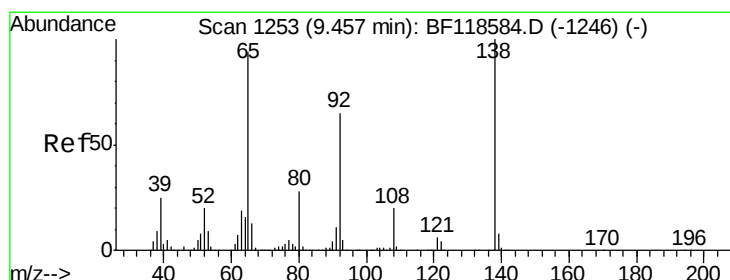
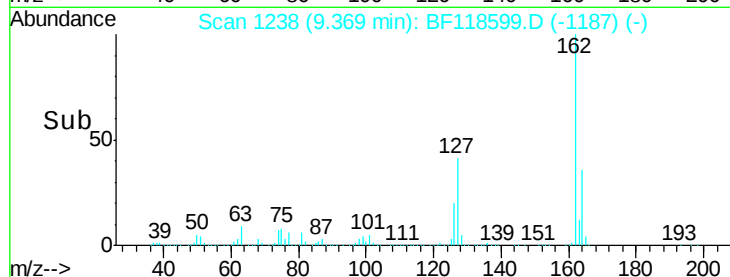
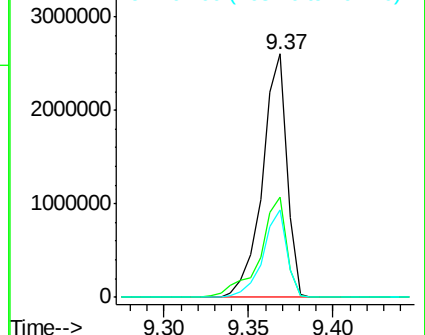
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 39.340 ng

RT: 9.46 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

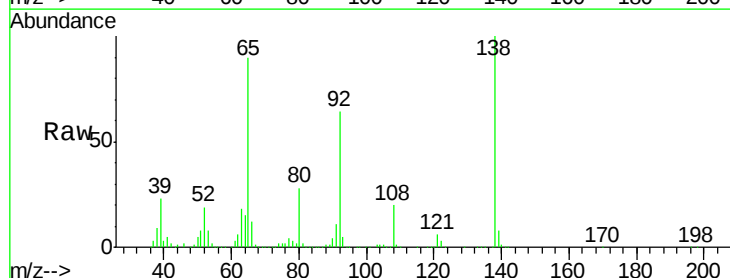
Tgt Ion: 65 Resp: 778009

Ion Ratio Lower Upper

65 100

92 71.2 55.4 83.0

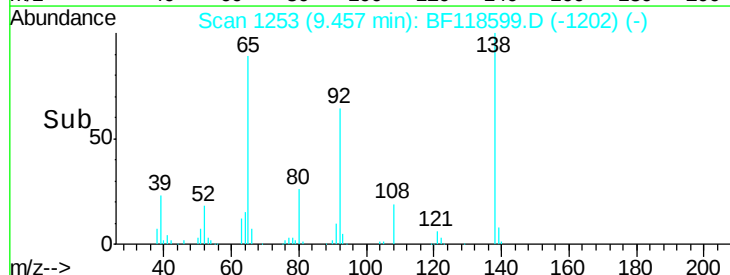
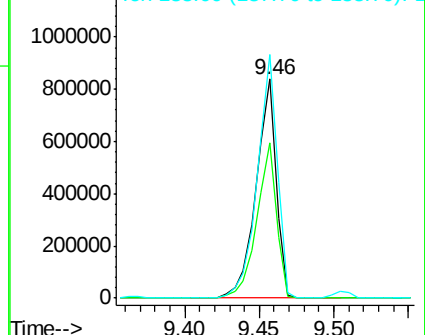
138 111.3 85.0 127.6

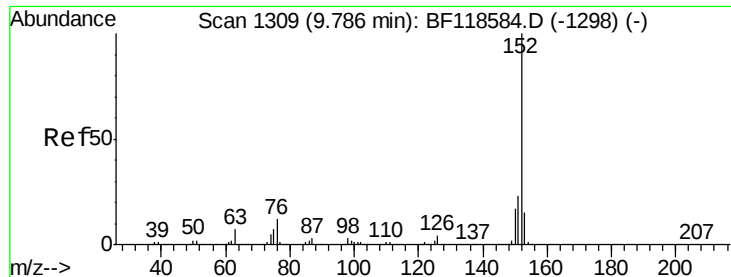


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 42.311 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:152 Resp: 3829406

Ion Ratio Lower Upper

152 100

151 23.7 18.6 27.8

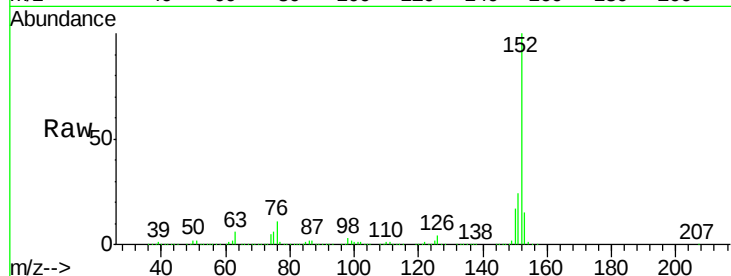
153 15.4 12.2 18.4

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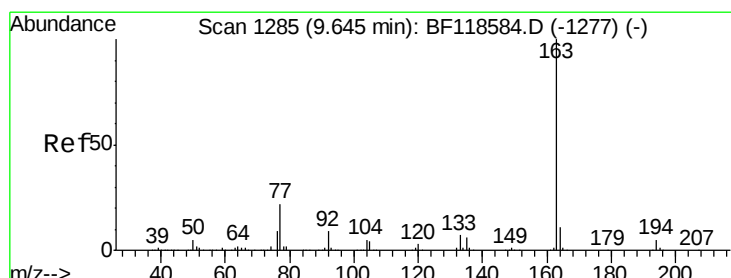
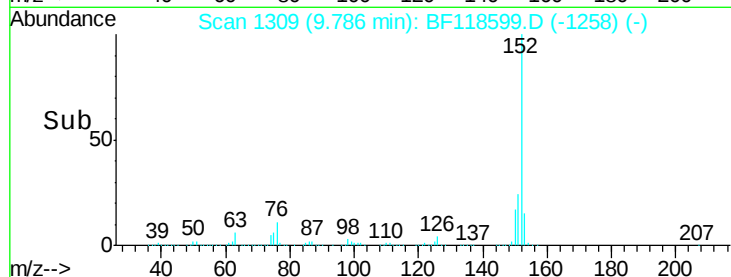
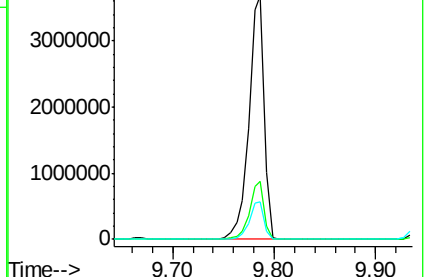
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.842 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

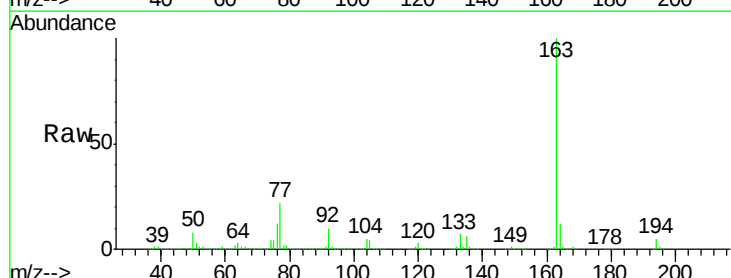
Tgt Ion:163 Resp: 3235530

Ion Ratio Lower Upper

163 100

194 5.2 3.9 5.9

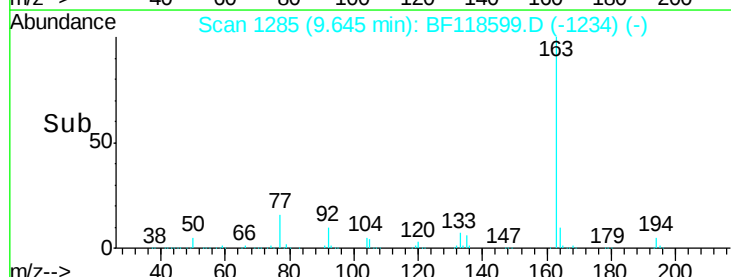
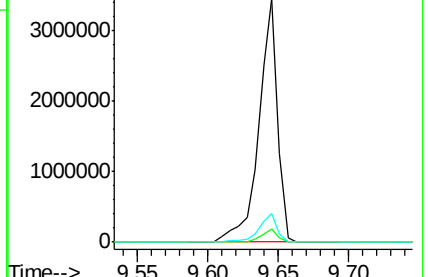
164 11.5 9.1 13.7

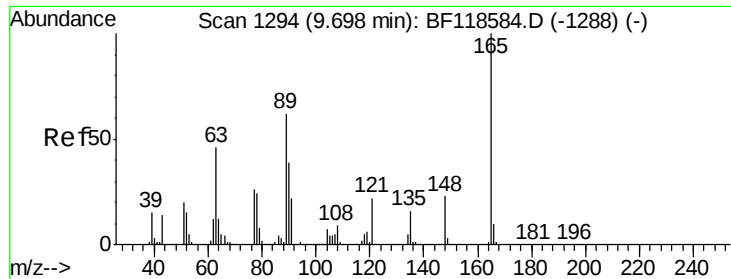


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





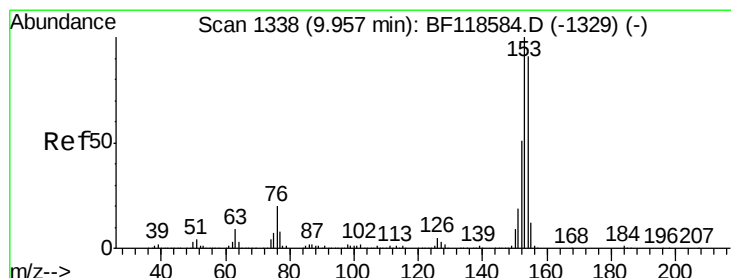
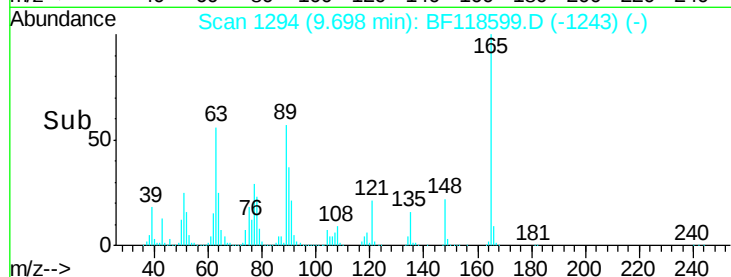
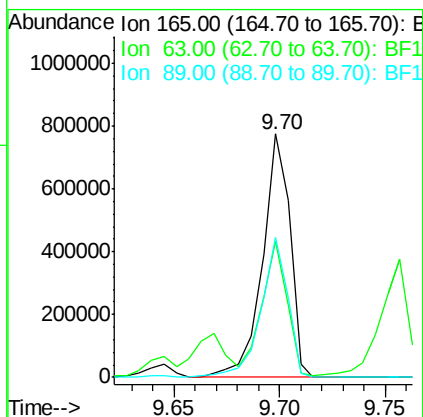
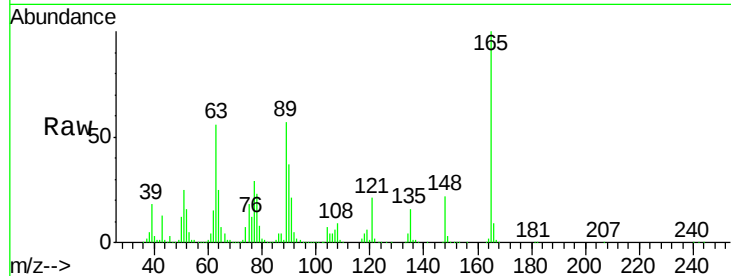
#51
2,6-Dinitrotoluene
Concen: 43.436 ng
RT: 9.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	701817		
63	56.1	48.9	73.3	
89	57.5	49.8	74.6	

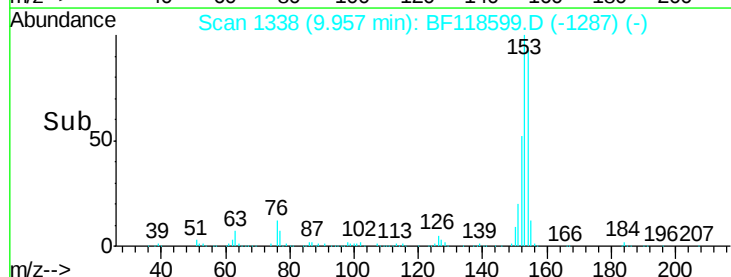
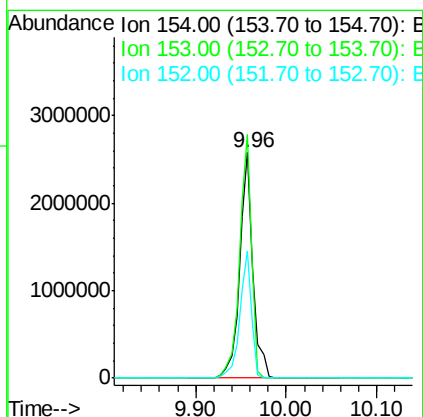
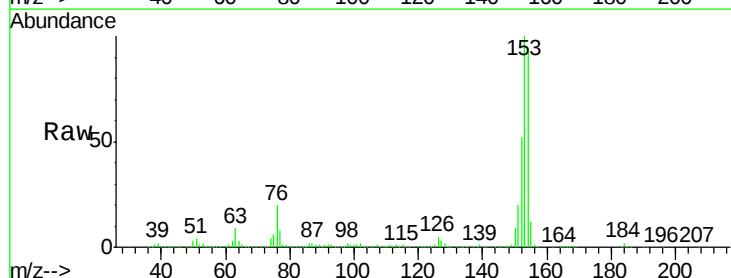
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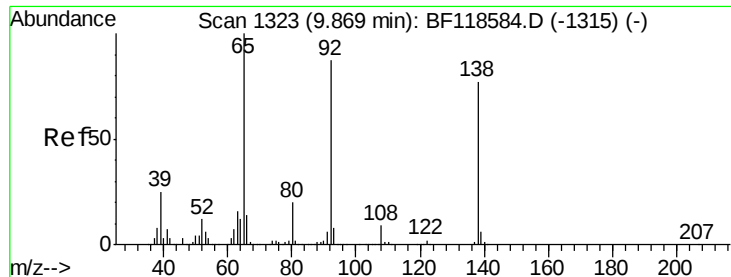
mohammad
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#52
Acenaphthene
Concen: 43.762 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	2648448		
153	108.1	87.6	131.4	
152	56.4	44.4	66.6	





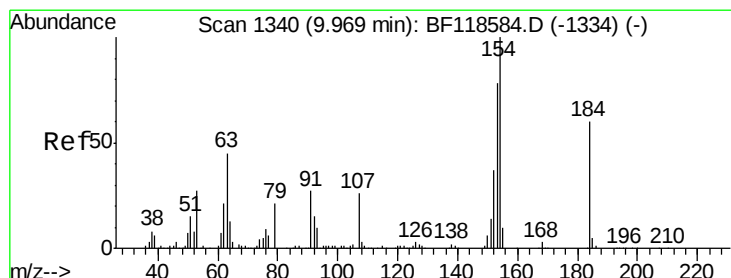
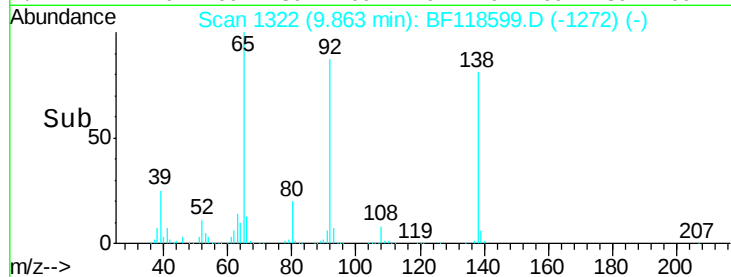
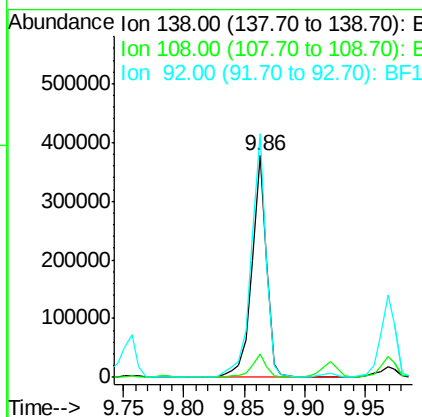
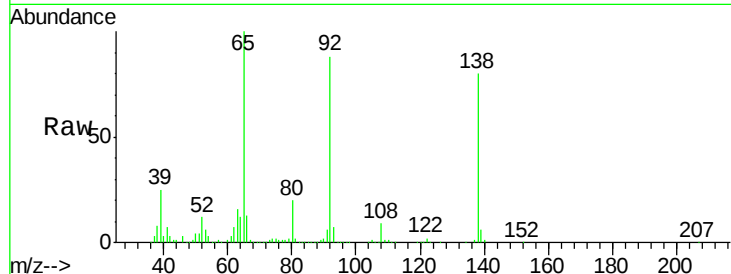
#53
3-Nitroaniline
Concen: 17.462 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.6	14.4
92	110.0	90.6	136.0

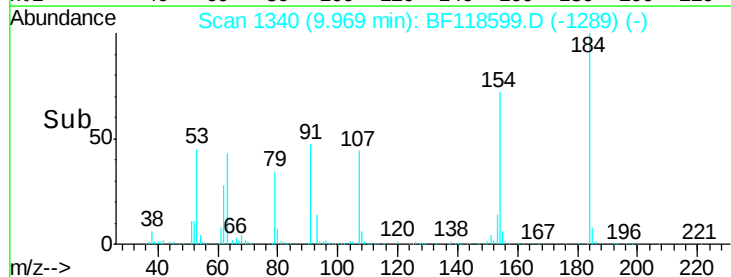
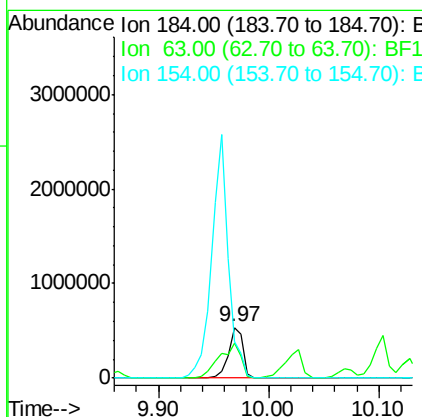
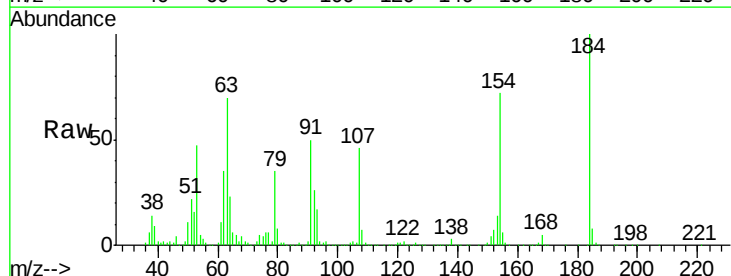
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#54
2,4-Dinitrophenol
Concen: 76.822 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	69.6	60.6	90.8
154	72.4	137.3	205.9#





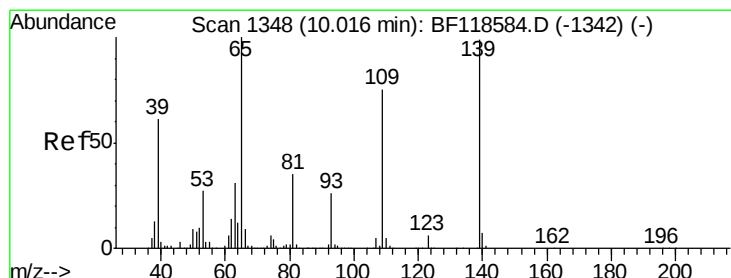
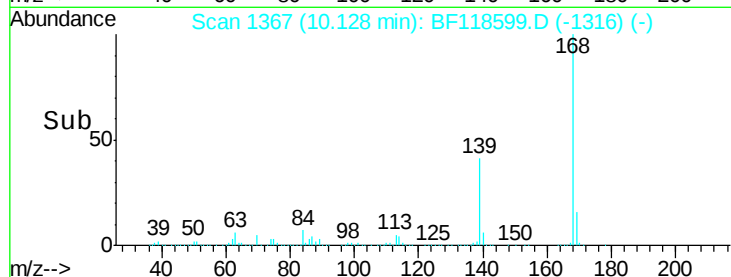
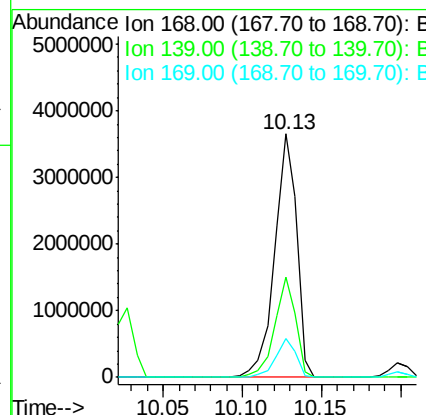
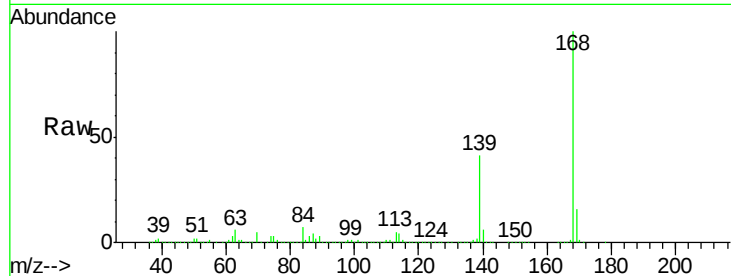
#55
Dibenzenofuran
Concen: 42.330 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:168 Resp: 3550177
Ion Ratio Lower Upper
168 100
139 41.4 32.7 49.1
169 15.8 12.2 18.2

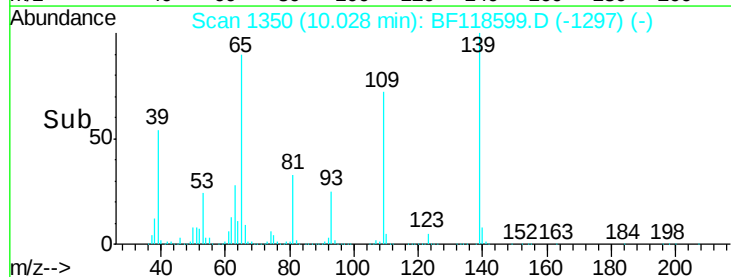
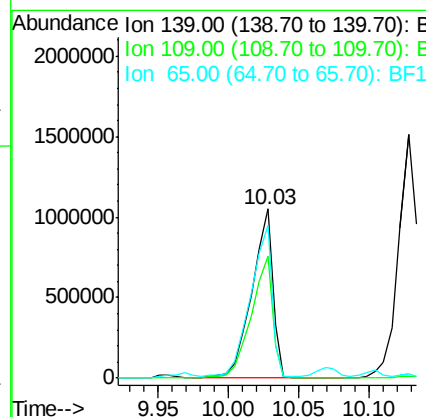
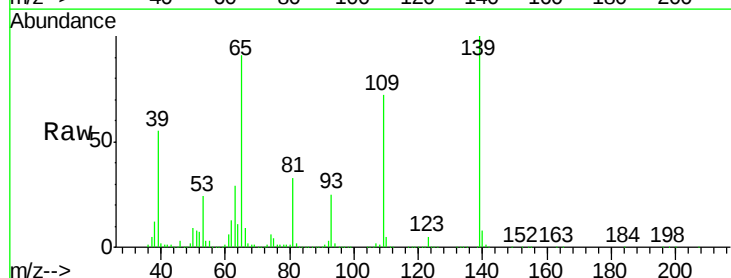
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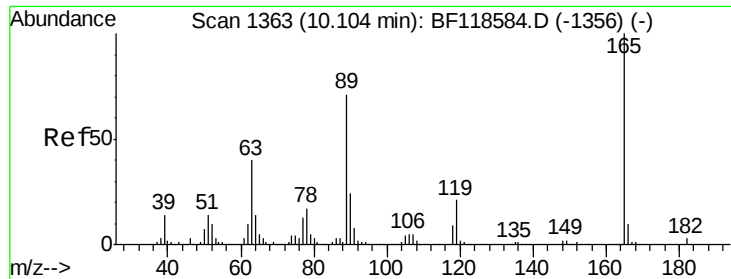
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#56
4-Nitrophenol
Concen: 79.032 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:139 Resp: 1100739
Ion Ratio Lower Upper
139 100
109 72.3 56.0 96.0
65 90.5 81.4 121.4





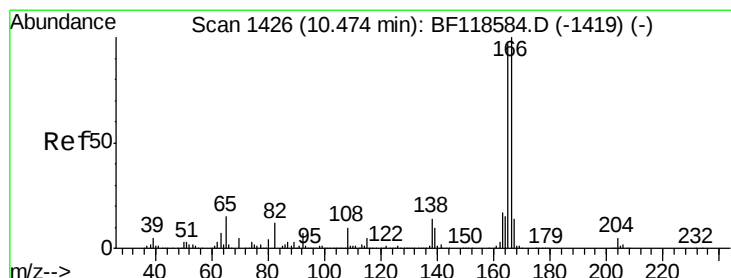
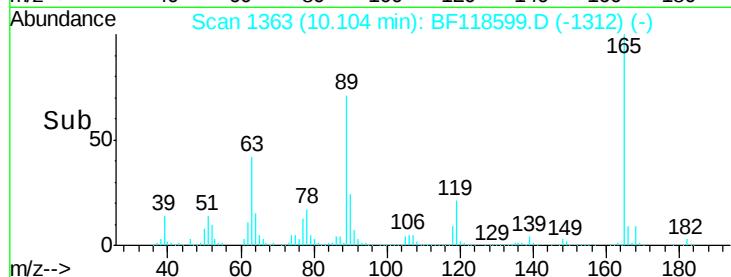
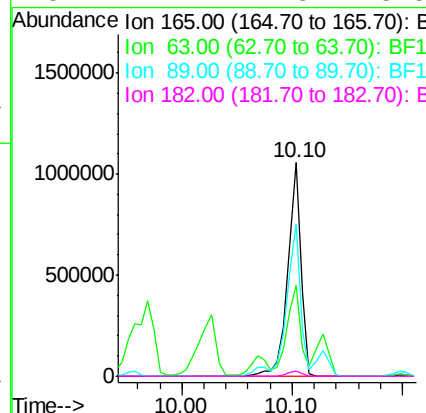
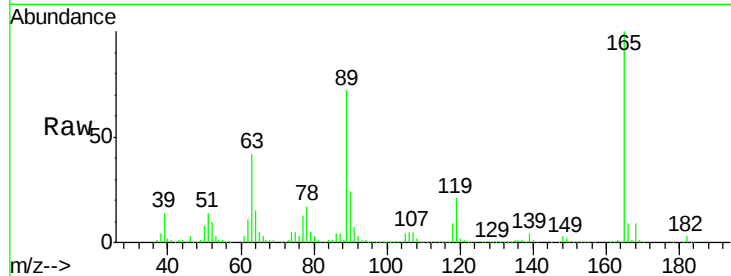
#57
2,4-Dinitrotoluene
Concen: 43.673 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		889570		
63	42.4	32.4	48.6		
89	71.5	56.4	84.6		
182	2.7	2.3	3.5		

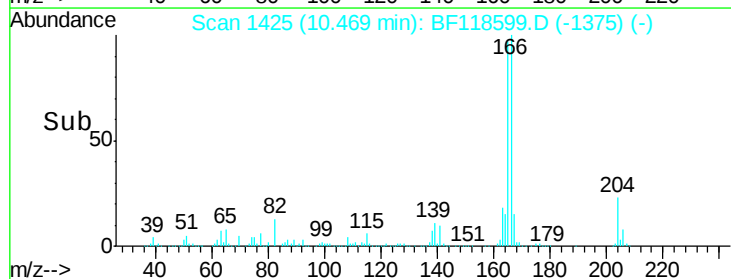
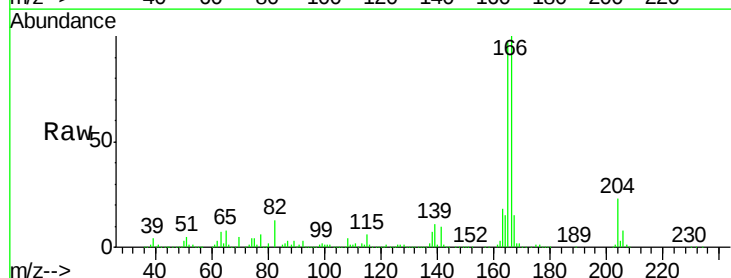
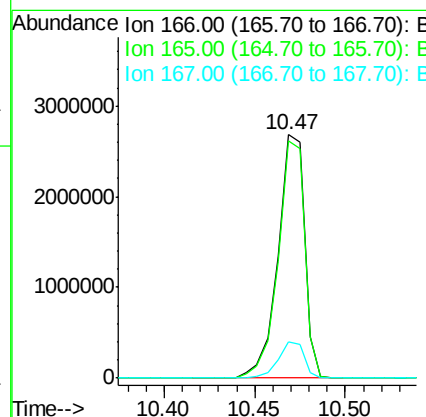
Manual Integrations
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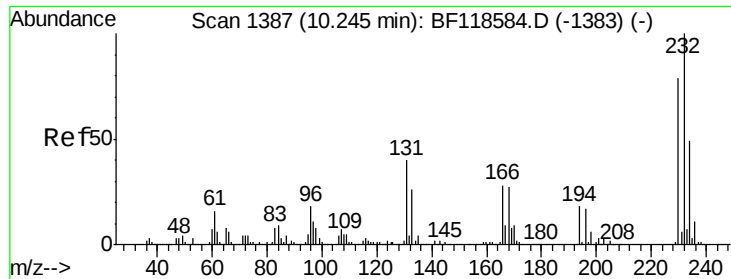
mohammad
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#58
Fluorene
Concen: 41.509 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		2732982		
165	97.2	77.3	115.9		
167	15.1	11.5	17.3		





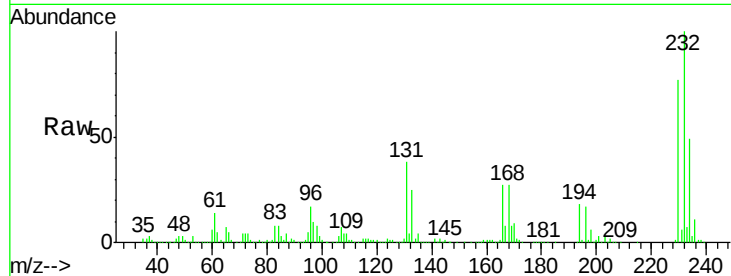
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.149 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

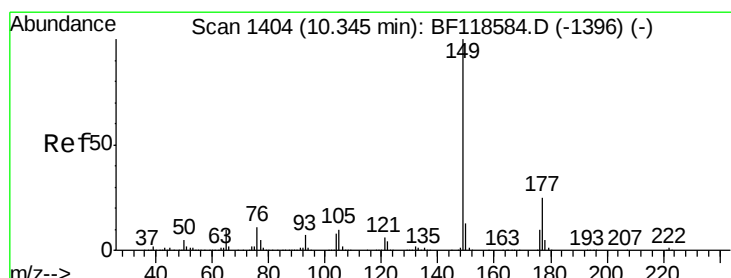
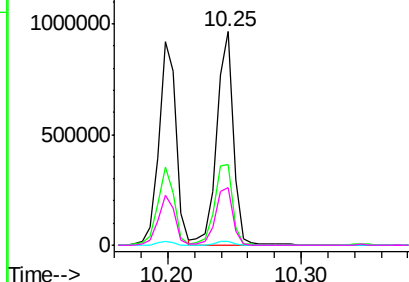
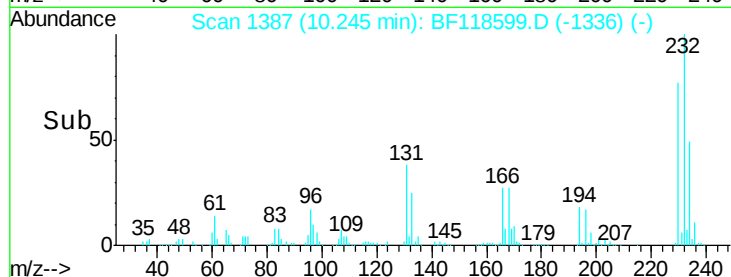
Tot Ion	Ratio	Resp	Lower	Upper
232	100	849973		
131	41.9		33.2	49.8
130	2.1		1.8	2.6
166	28.3		22.6	33.8

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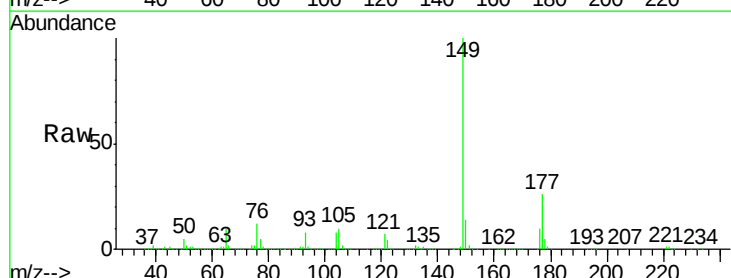


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

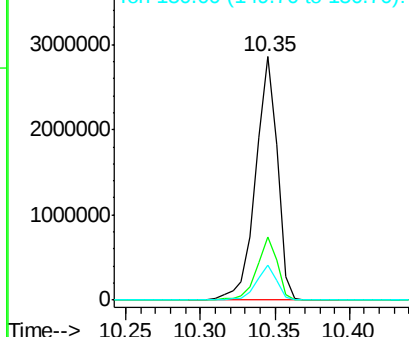
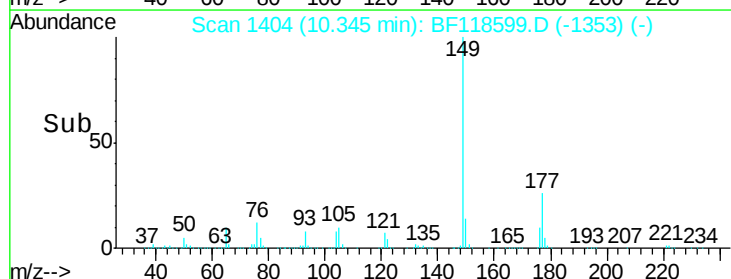


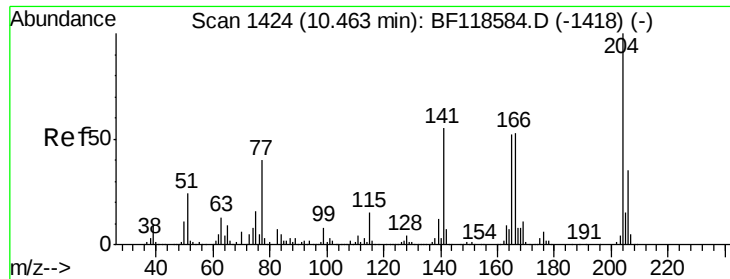
#60
Diethylphthalate
Concen: 40.588 ng
RT: 10.35 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	2839509		
177	26.0		20.0	30.0
150	14.3		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





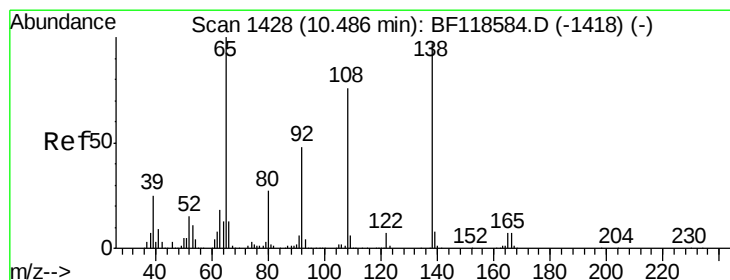
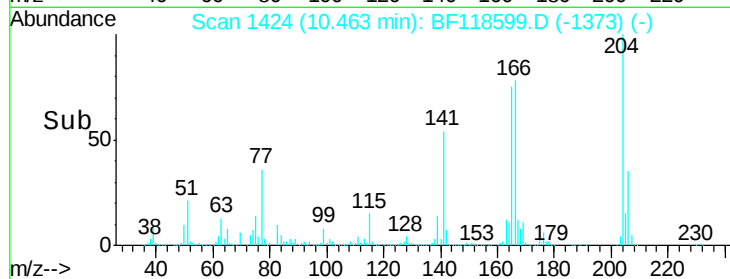
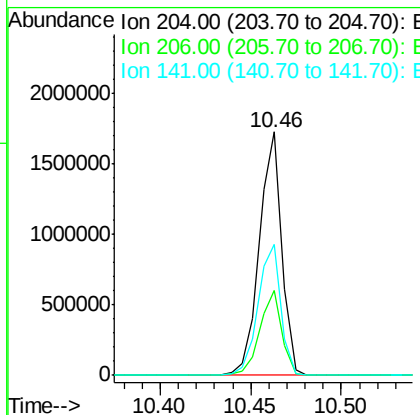
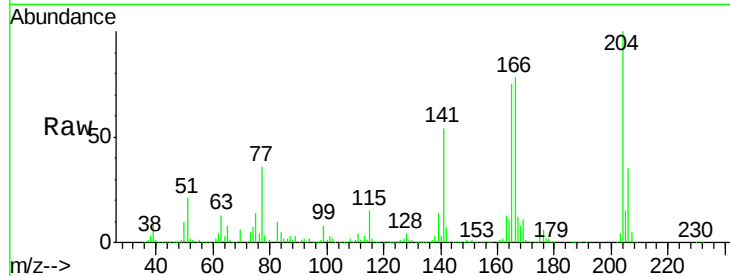
#61
4-Chlorophenyl-phenylether
Concen: 41.441 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:204 Resp: 1483977
Ion Ratio Lower Upper
204 100
206 35.0 27.8 41.6
141 53.8 43.7 65.5

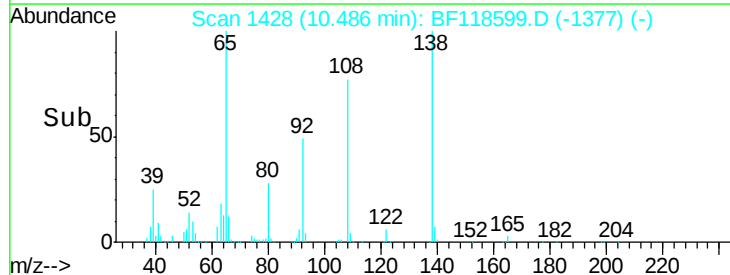
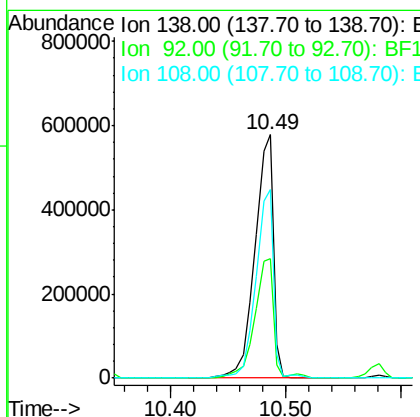
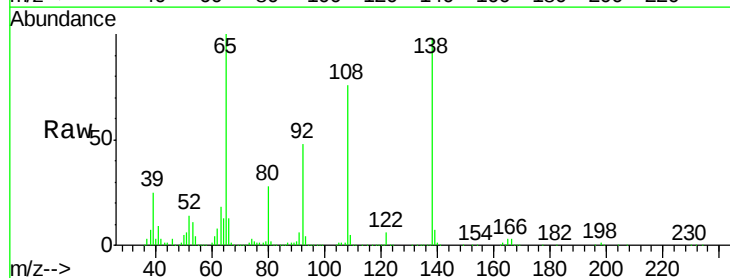
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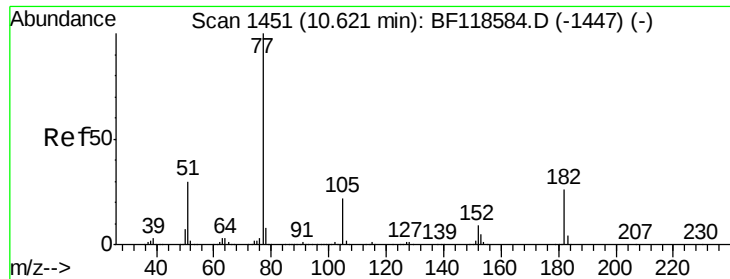
mohammad
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#62
4-Nitroaniline
Concen: 34.319 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:138 Resp: 649473
Ion Ratio Lower Upper
138 100
92 48.8 29.4 69.4
108 77.6 58.2 98.2





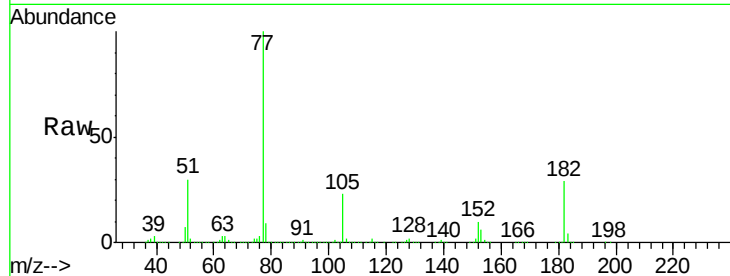
#63
Azobenzene
Concen: 41.898 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
77	100		
182	29.1	5.6	45.6
105	23.2	2.0	42.0
51	30.3	10.2	50.2

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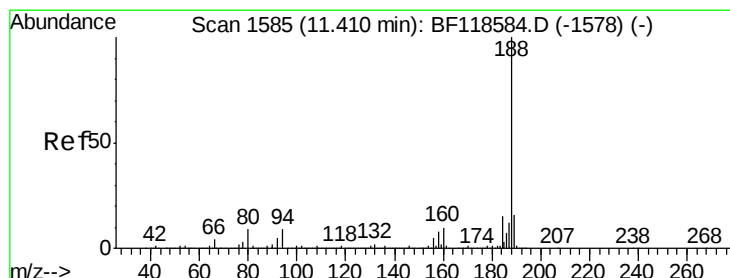
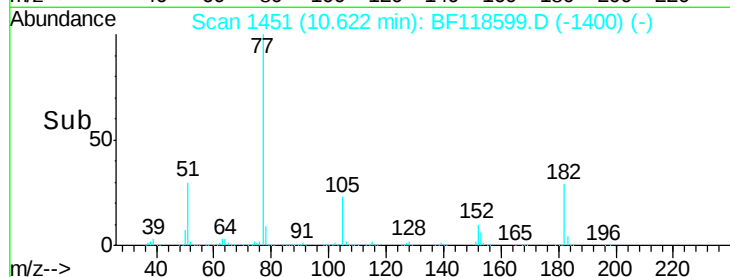
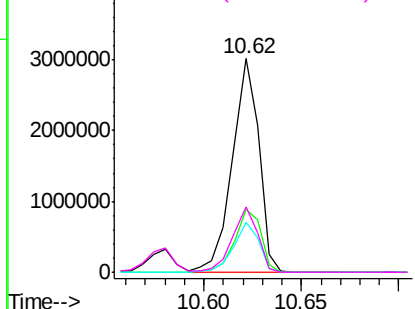


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



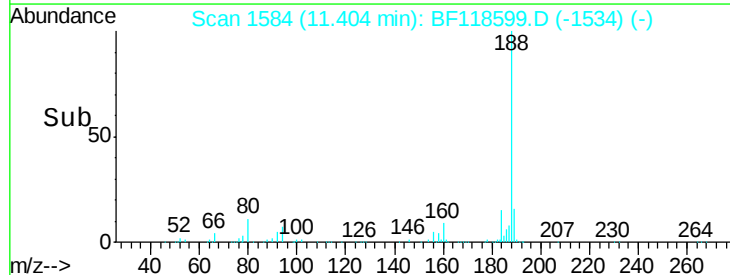
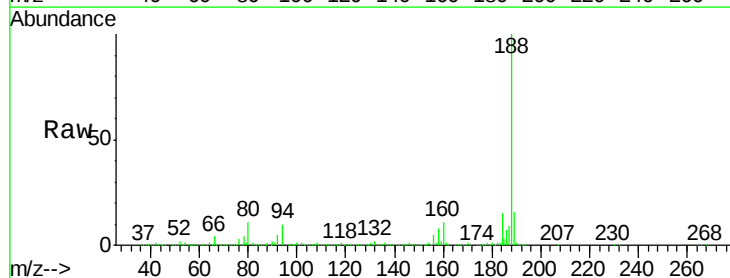
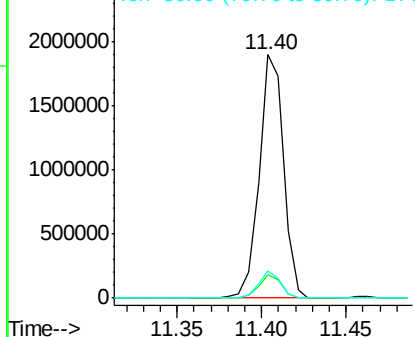
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.1	10.7
80	11.0	7.5	11.3

Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 46.551 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

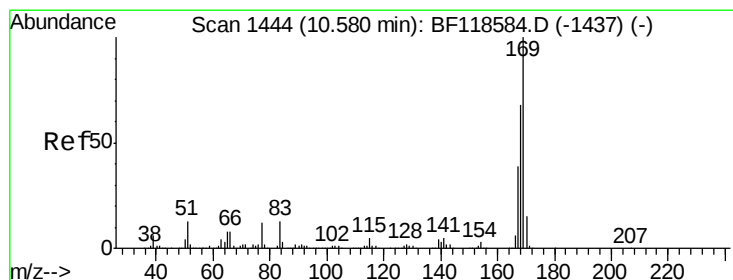
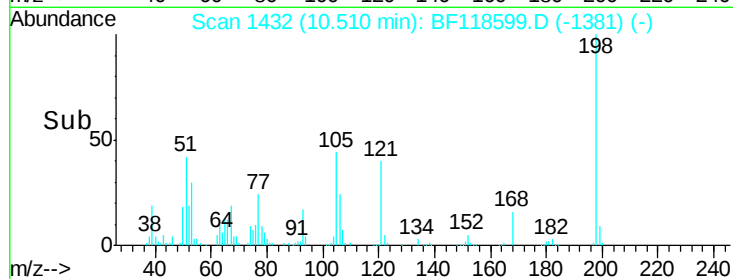
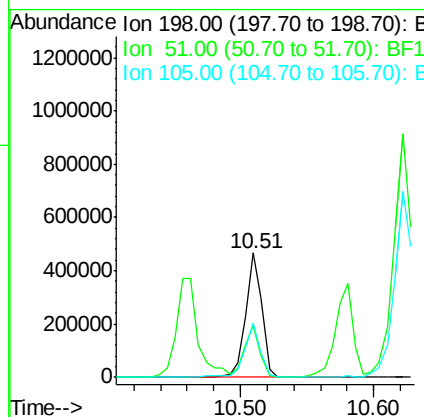
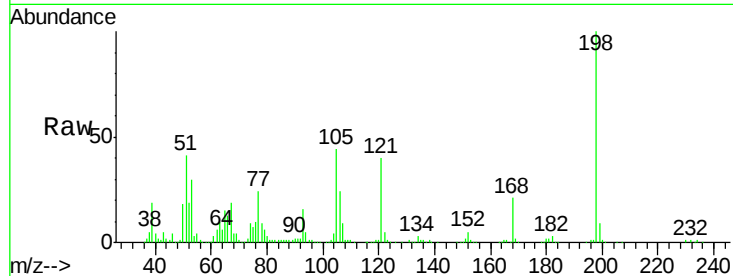
ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:	198	Resp:	389519
Ion Ratio	Lower	Upper	
198	100		
51	41.5	25.2	65.2
105	44.0	26.3	66.3

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#66

n-Nitrosodiphenylamine

Concen: 43.399 ng

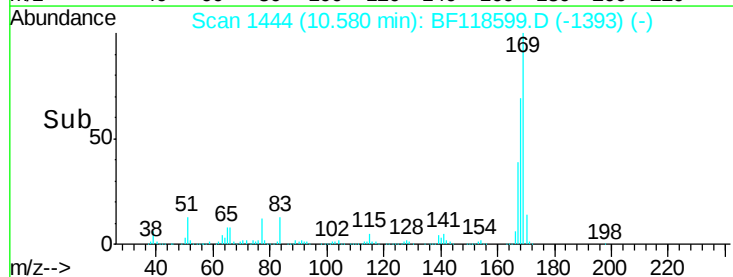
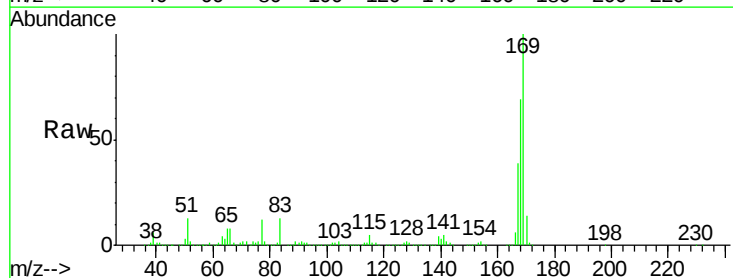
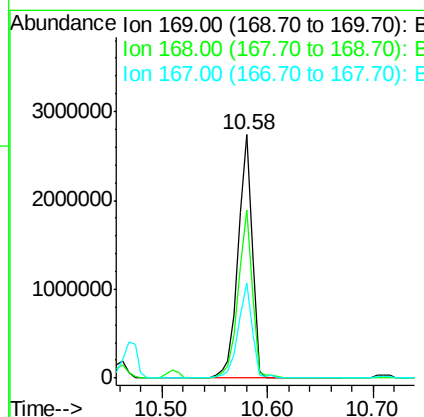
RT: 10.58 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Tgt Ion:	169	Resp:	2490506
Ion Ratio	Lower	Upper	
169	100		
168	68.8	54.6	82.0
167	39.2	30.9	46.3





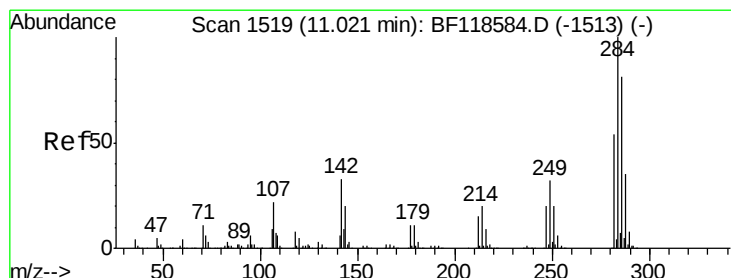
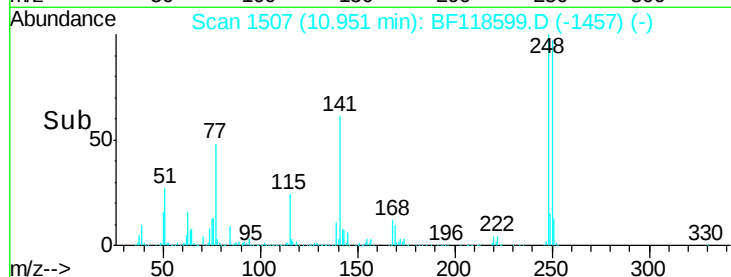
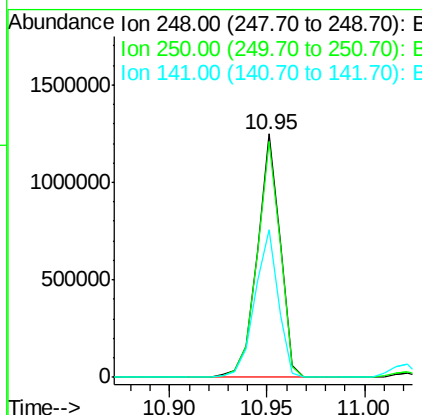
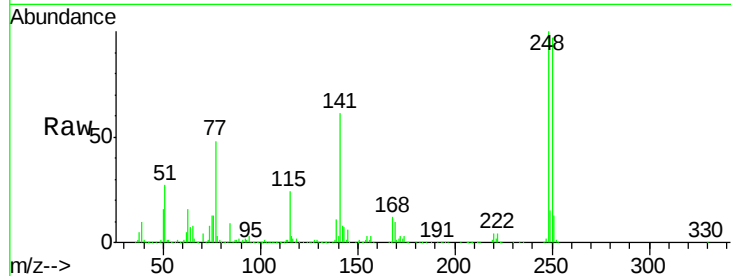
#67
4-Bromophenyl-phenylether
Concen: 42.954 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.7	118.1
141	60.7	43.2	64.8

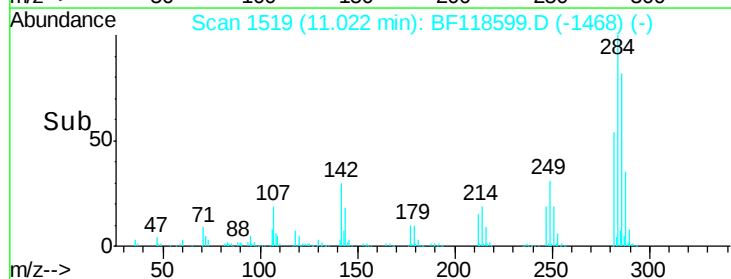
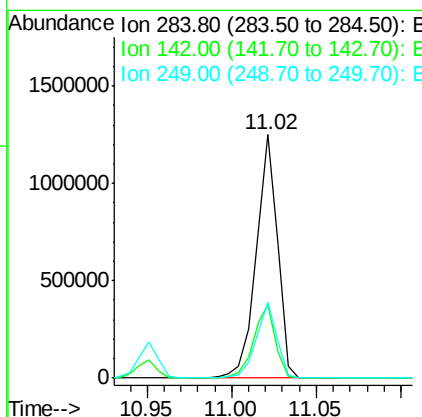
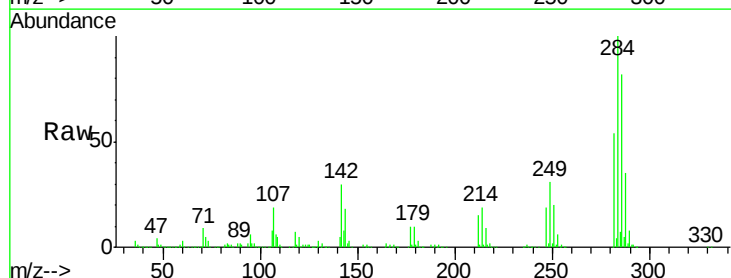
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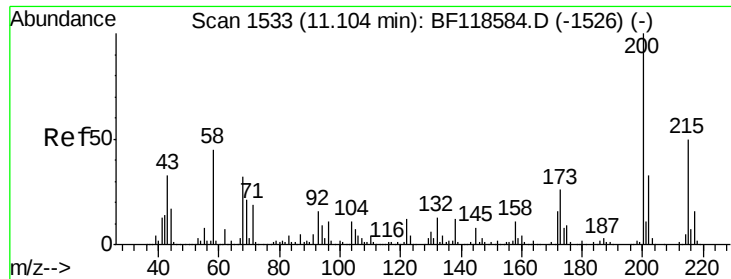
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#68
Hexachlorobenzene
Concen: 41.234 ng
RT: 11.02 min Scan# 1519
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.0	26.6	39.8
249	31.0	25.2	37.8





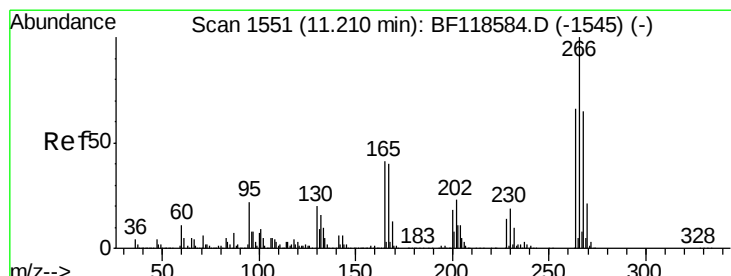
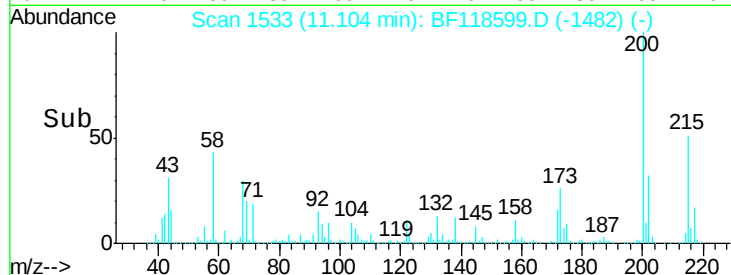
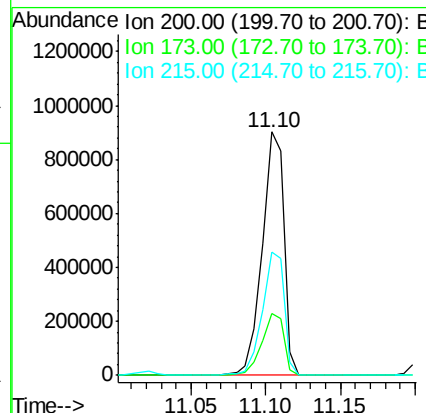
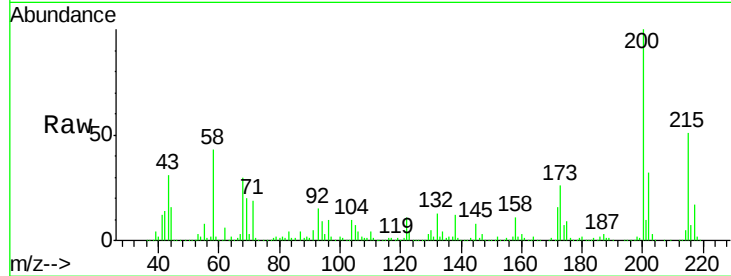
#69
Atrazine
Concen: 45.178 ng
RT: 11.10 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.7	6.3	46.3
215	50.6	30.2	70.2

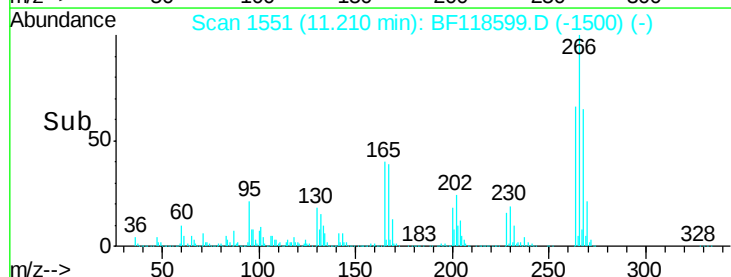
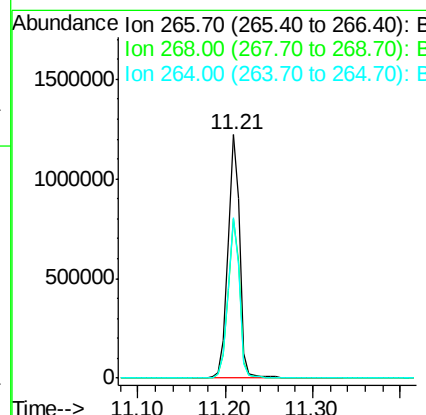
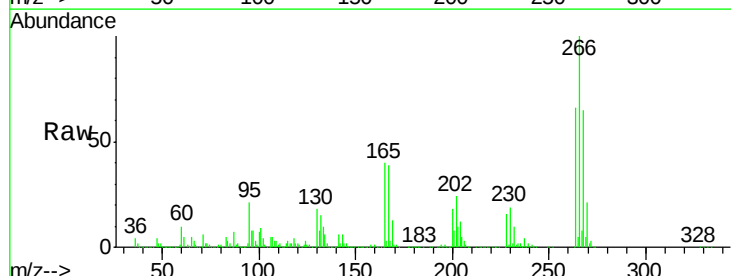
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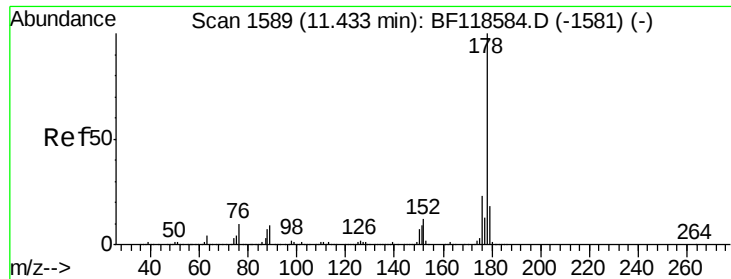
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#70
Pentachlorophenol
Concen: 77.729 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.3	52.1	78.1
264	65.6	52.4	78.6





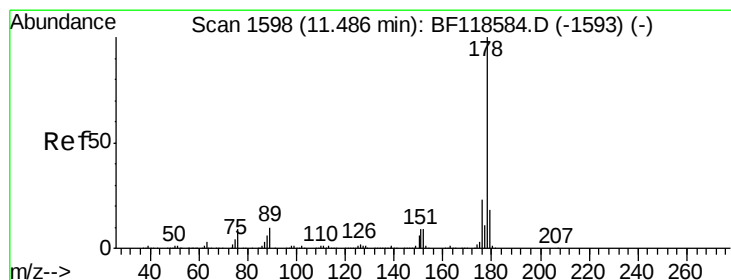
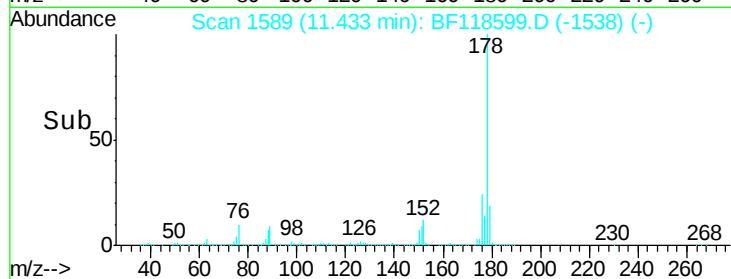
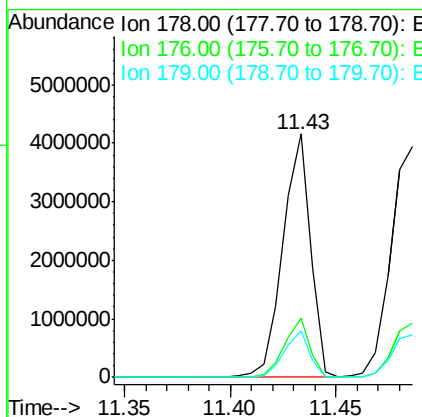
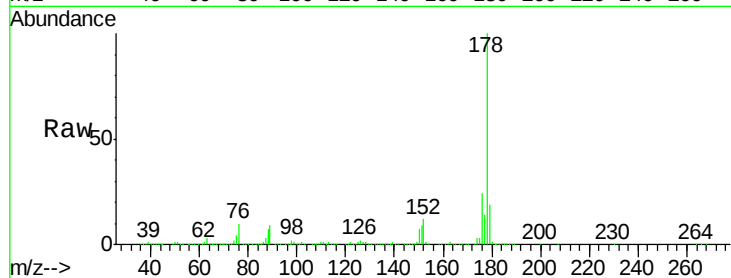
#71
Phenanthrene
Concen: 41.468 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:178 Resp: 3806962
Ion Ratio Lower Upper
178 100
176 24.2 18.6 27.8
179 19.2 14.7 22.1

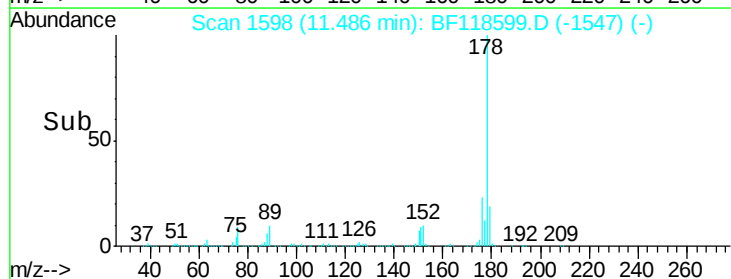
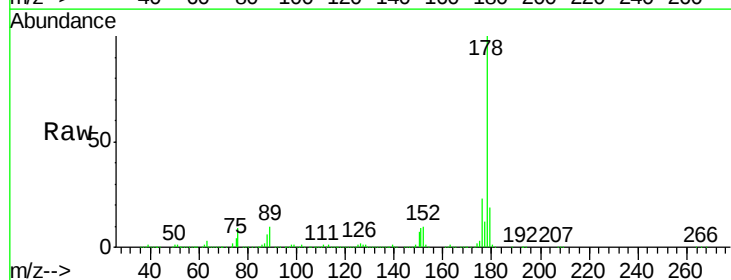
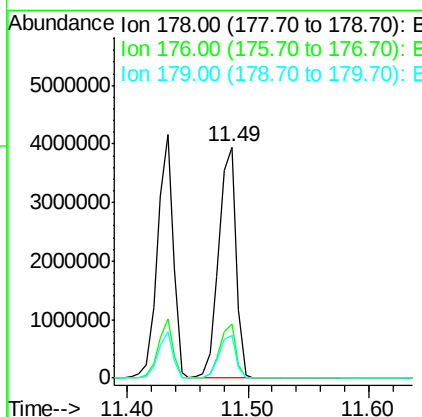
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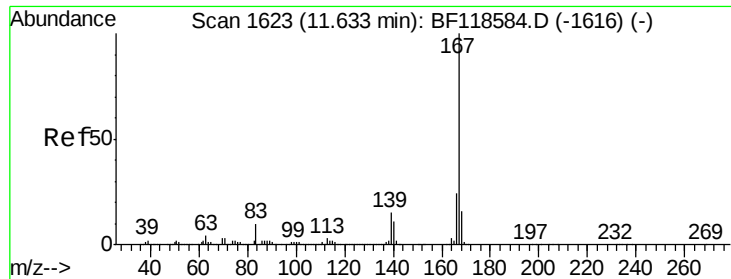
mohammad
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#72
Anthracene
Concen: 42.893 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:178 Resp: 3896357
Ion Ratio Lower Upper
178 100
176 23.3 18.0 27.0
179 18.6 14.7 22.1





#73
 Carbazole
 Concen: 40.498 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF118599.D
 Acq: 20 Jan 2020 19:00

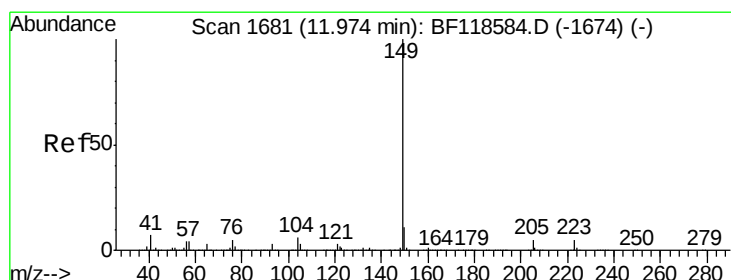
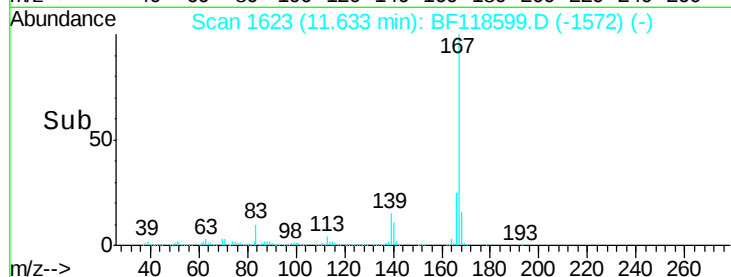
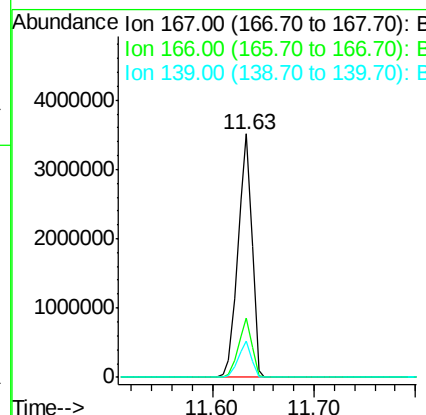
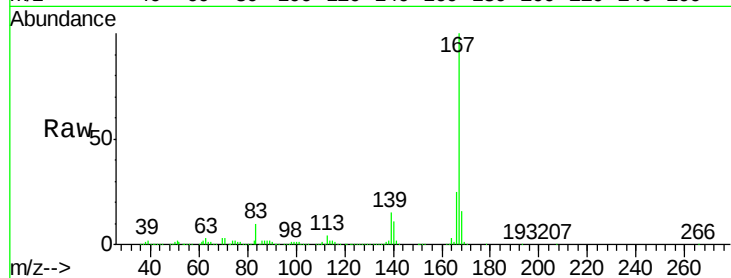
Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMS

Tot Ion:167 Resp: 3374347

Ion	Ratio	Lower	Upper
167	100		
166	24.5	19.4	29.2
139	14.9	11.7	17.5

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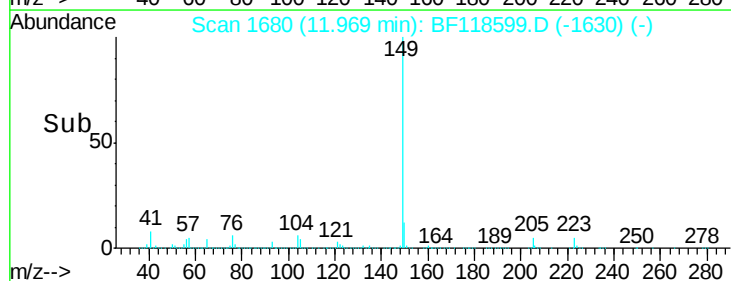
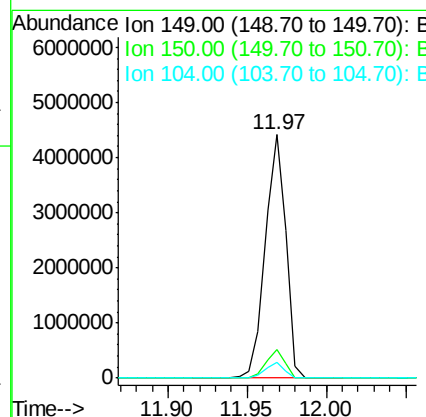
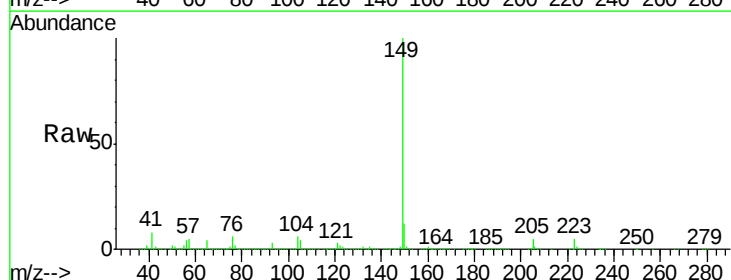
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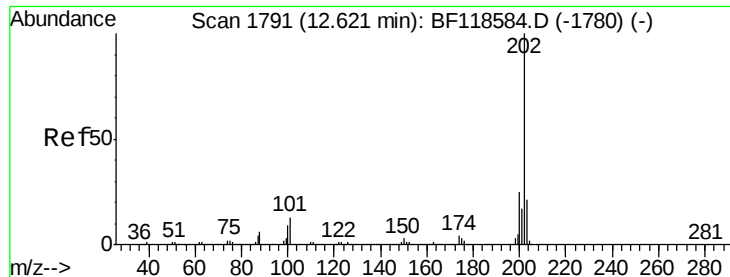


#74
 Di-n-butylphthalate
 Concen: 43.416 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BF118599.D
 Acq: 20 Jan 2020 19:00

Tgt Ion:149 Resp: 4019107

Ion	Ratio	Lower	Upper
149	100		
150	12.0	8.7	13.1
104	6.3	4.6	6.8





#75

Fluoranthene

Concen: 39.571 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:202 Resp: 3831529

Ion Ratio Lower Upper

202 100

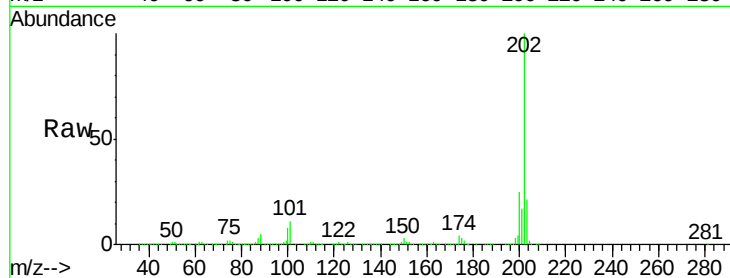
101 11.2 0.0 32.5

203 20.5 0.8 40.8

Manual Integrations
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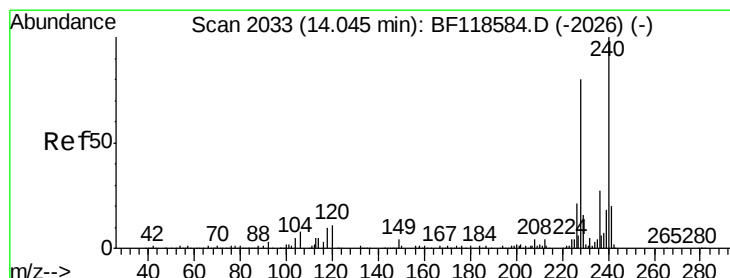
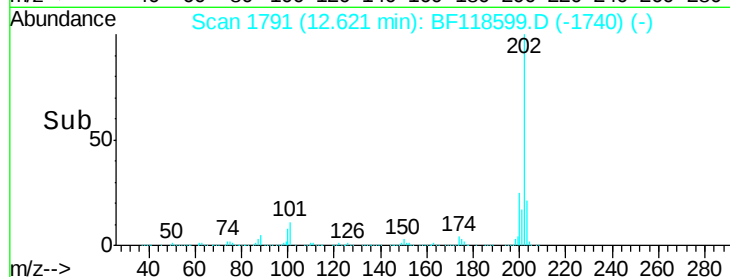
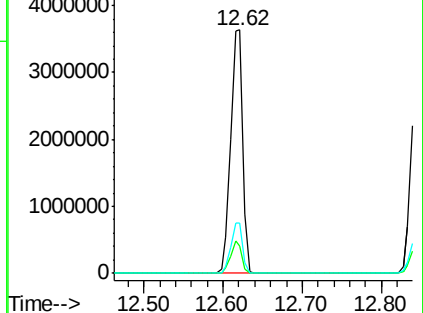
1/21/2020 2:26:10 PM



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: BF118599.D

Acq: 20 Jan 2020 19:00

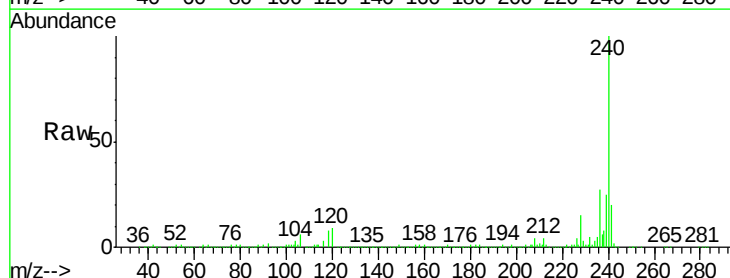
Tgt Ion:240 Resp: 1150534

Ion Ratio Lower Upper

240 100

120 8.7 8.9 13.3#

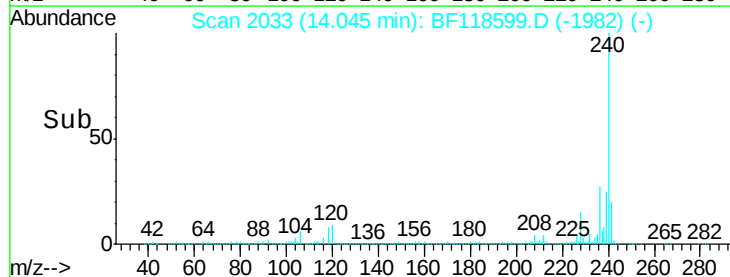
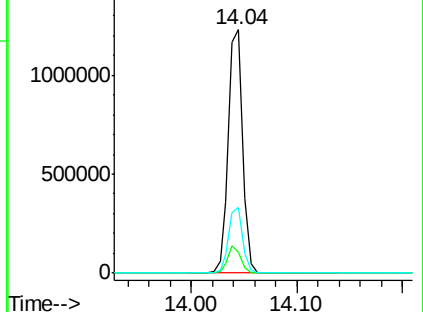
236 26.9 21.5 32.3

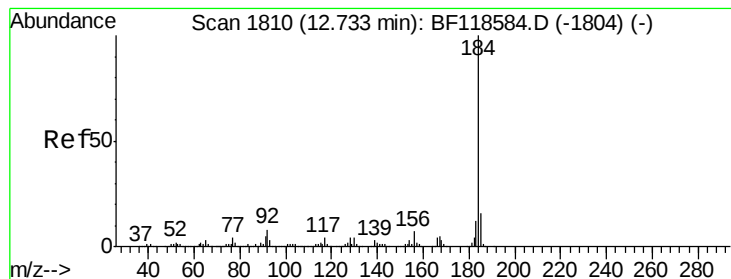


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 42.933 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:184 Resp: 1319823

Ion Ratio Lower Upper

184 100

185 14.9 12.9 19.3

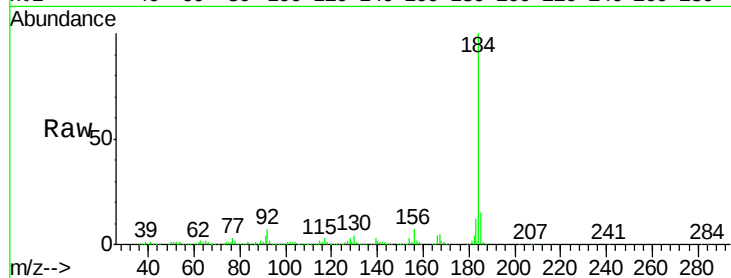
183 11.7 9.6 14.4

Manual Integrations

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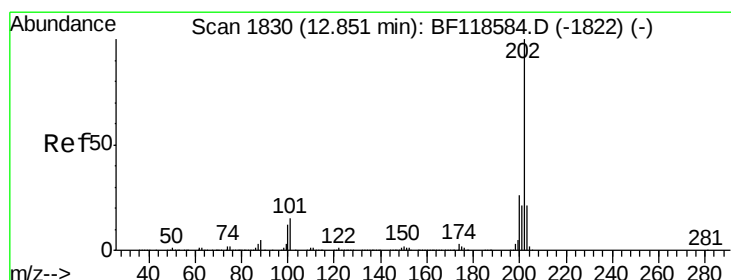
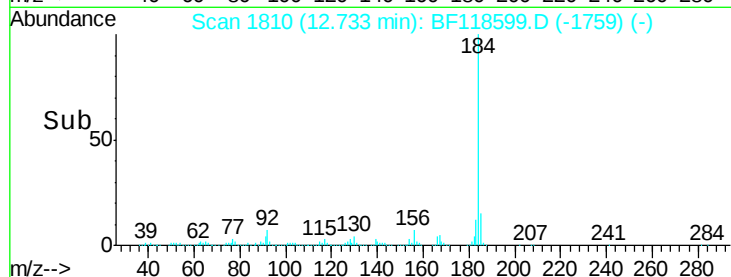
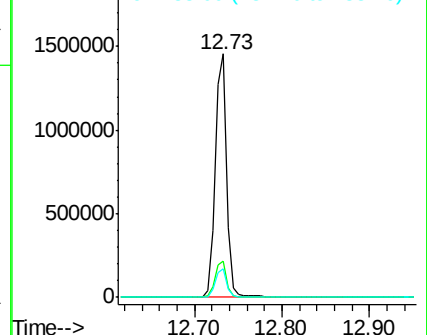
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 49.219 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

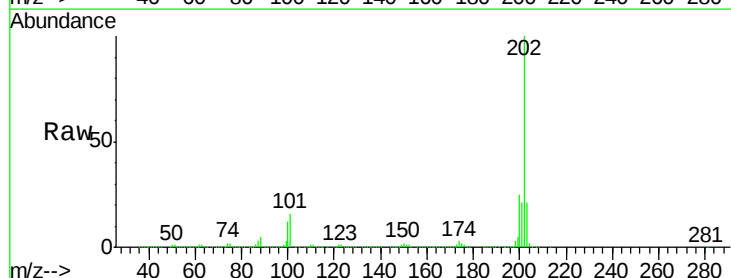
Tgt Ion:202 Resp: 3844578

Ion Ratio Lower Upper

202 100

200 25.4 20.6 31.0

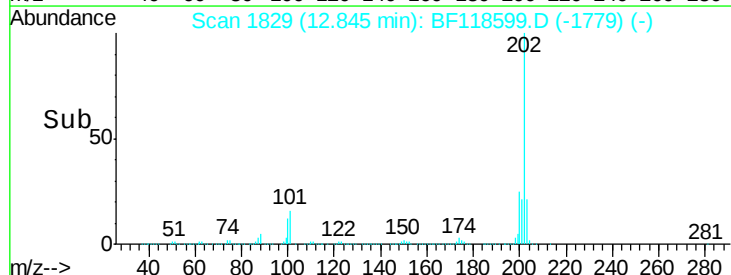
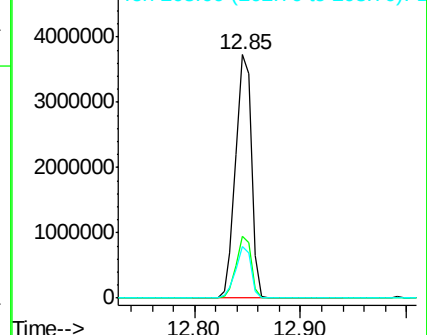
203 21.0 16.8 25.2

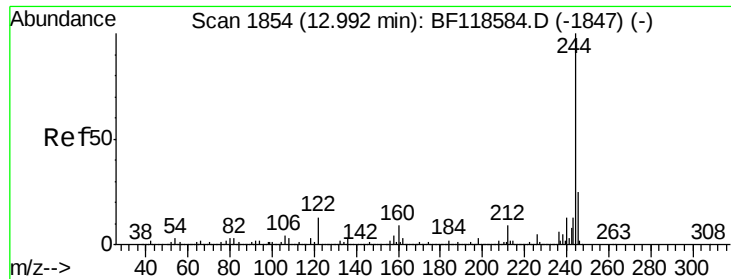


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





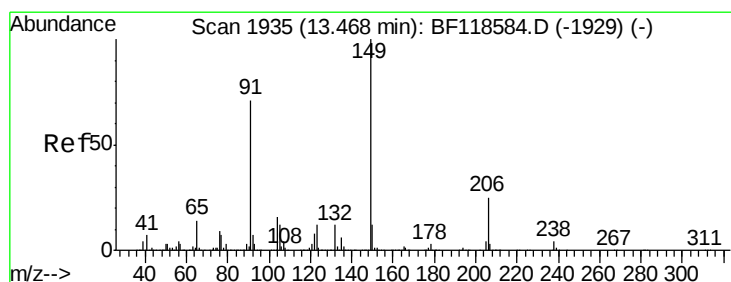
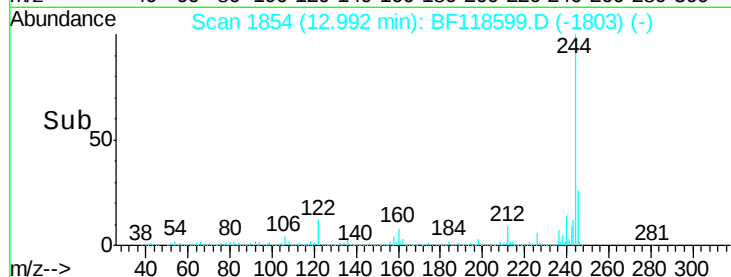
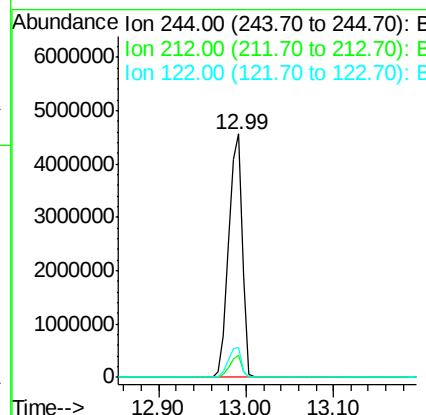
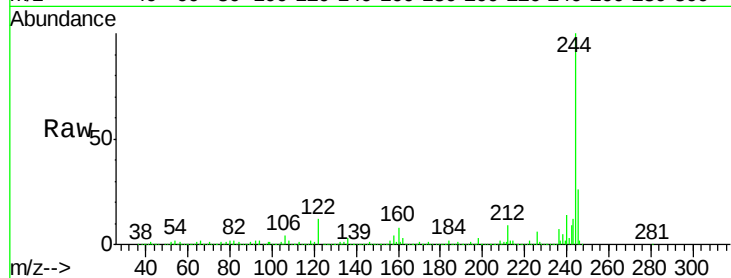
#79
 Terphenyl-d14
 Concen: 93.679 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BF118599.D
 Acq: 20 Jan 2020 19:00

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMS

Tot Ion:244 Resp: 4941575
 Ion Ratio Lower Upper
 244 100
 212 9.1 7.0 10.4
 122 12.5 10.7 16.1

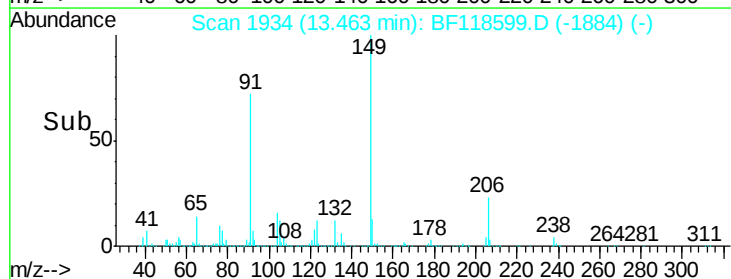
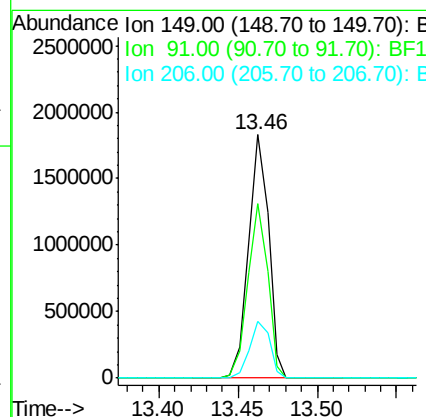
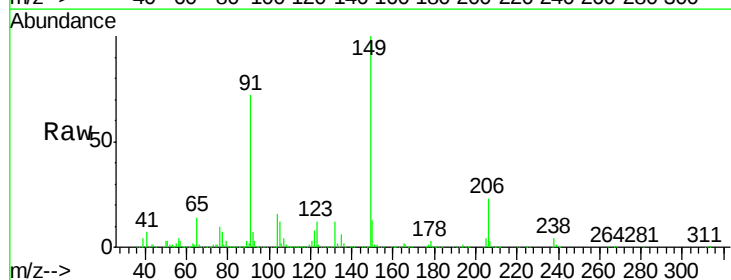
Manual Integrations
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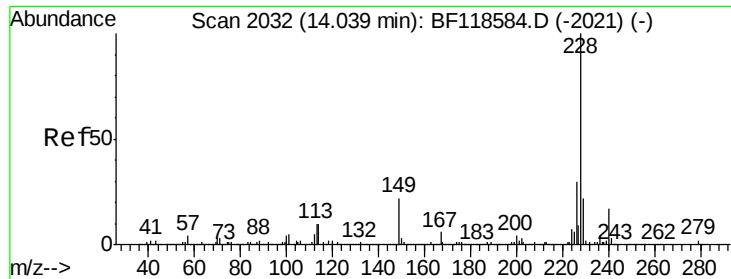
mohammad
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#80
 Butylbenzylphthalate
 Concen: 50.197 ng
 RT: 13.46 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BF118599.D
 Acq: 20 Jan 2020 19:00

Tgt Ion:149 Resp: 1604693
 Ion Ratio Lower Upper
 149 100
 91 71.9 56.5 84.7
 206 23.4 19.9 29.9





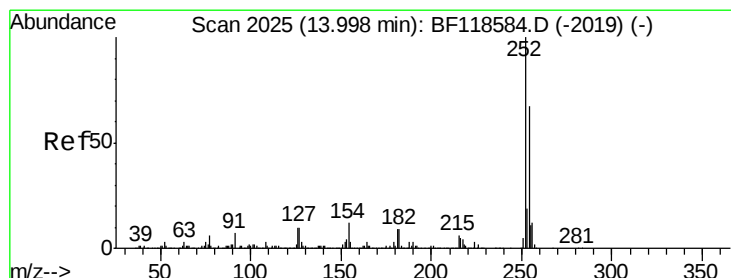
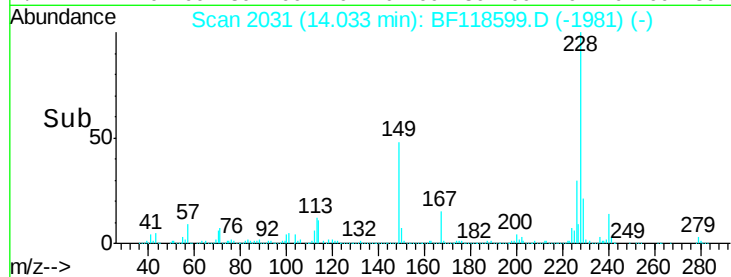
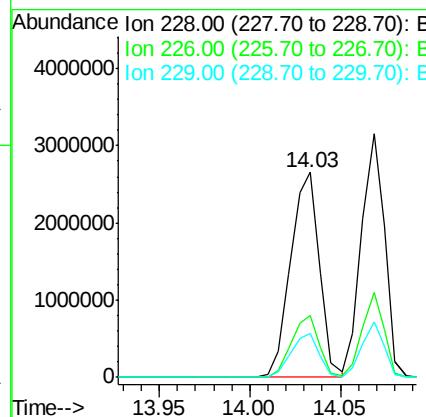
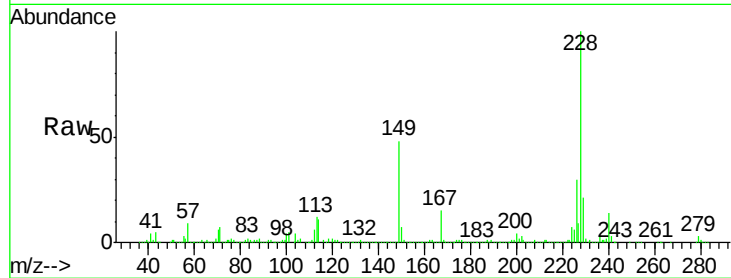
#81
Benzo(a)anthracene
Concen: 42.567 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:228 Resp: 2946057
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 21.5 17.6 26.4

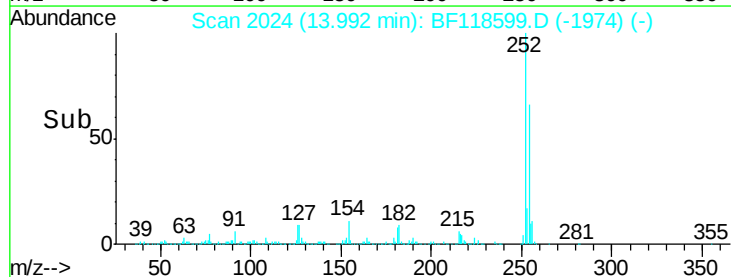
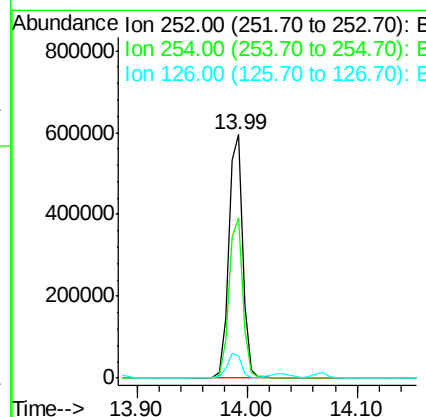
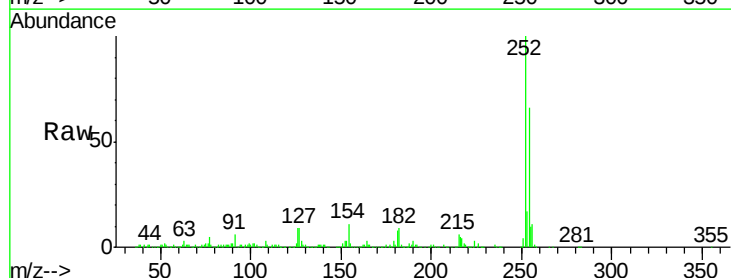
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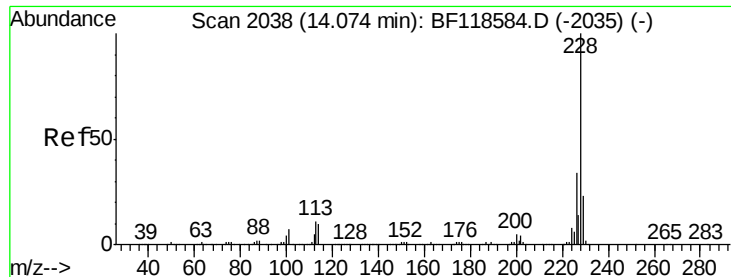
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 21.568 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:252 Resp: 531904
Ion Ratio Lower Upper
252 100
254 65.9 53.4 80.2
126 8.9 8.0 12.0





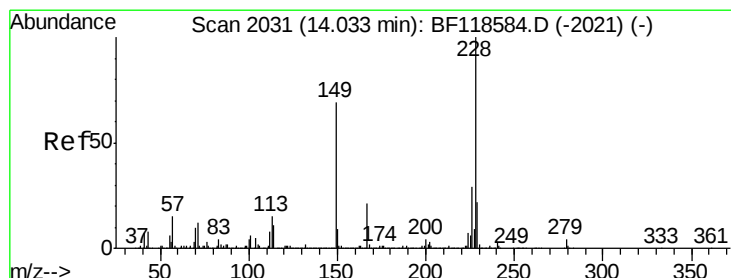
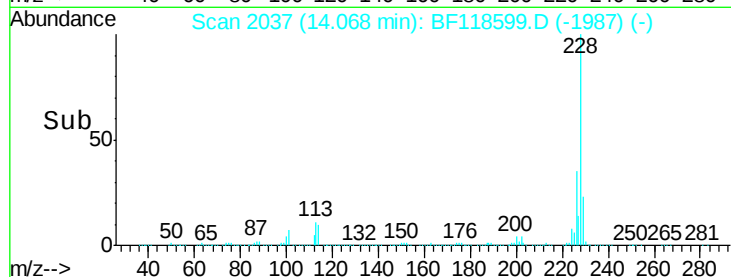
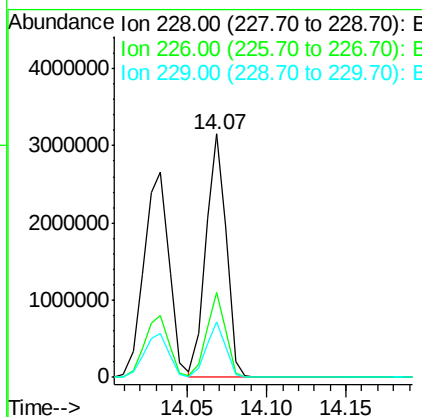
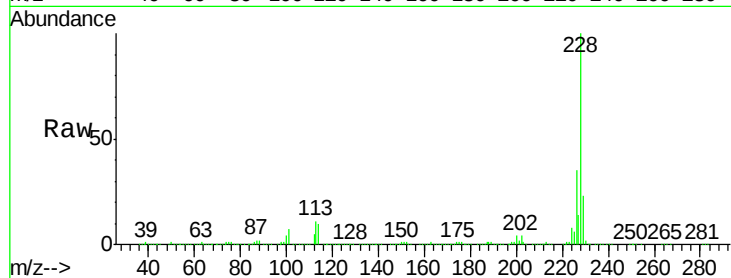
#83
 Chrvsene
 Concen: 42.438 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118599.D
 Acq: 20 Jan 2020 19:00

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.8	27.4	41.0
229	22.6	18.3	27.5

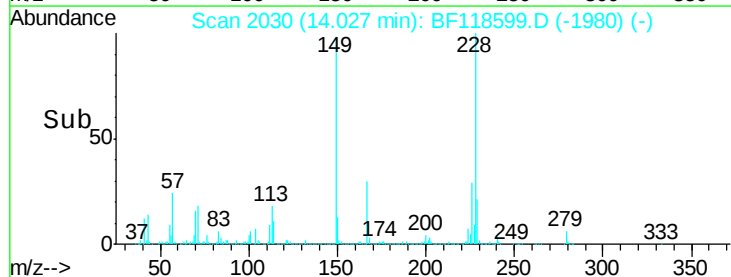
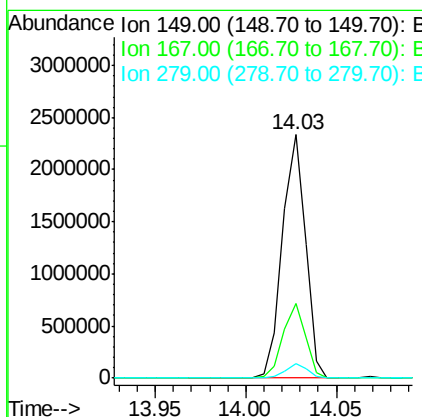
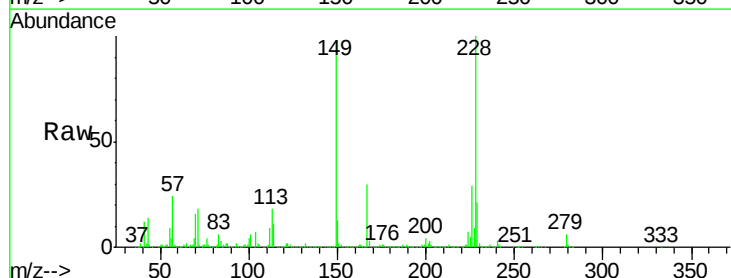
Manual Integrations
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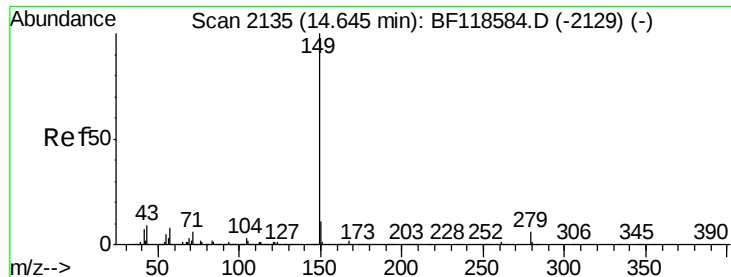
mohammad
 1/21/2020 2:26:10 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 53.426 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118599.D
 Acq: 20 Jan 2020 19:00

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.6	24.2	36.4
279	5.8	5.0	7.4





#85

Di-n-octyl phthalate

Concen: 53.443 ng

RT: 14.64 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:149 Resp: 3089518

Ion Ratio Lower Upper

149 100

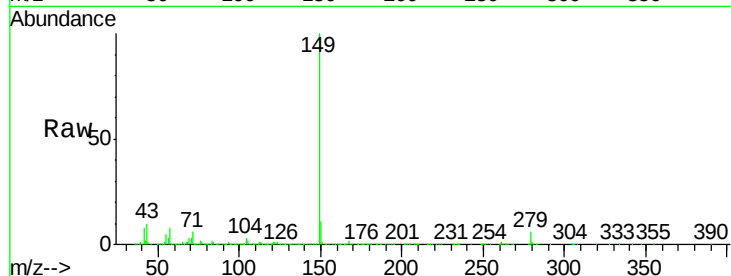
167 1.7 1.4 2.0

43 10.0 8.1 12.1

Manual Integrations
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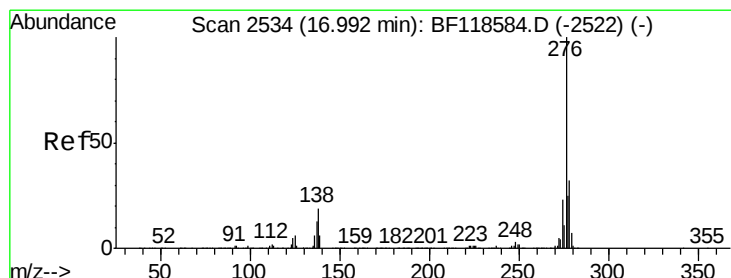
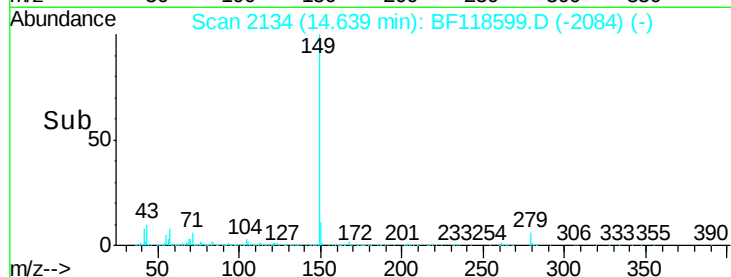
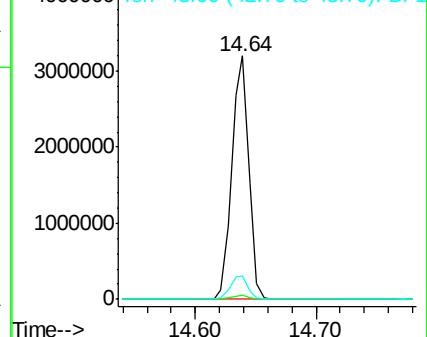
1/21/2020 2:26:10 PM



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: 59.134 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

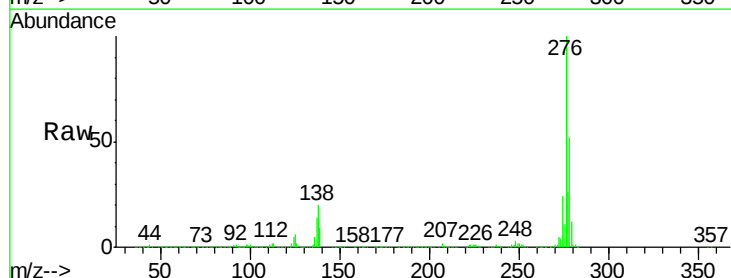
Tgt Ion:276 Resp: 3408201

Ion Ratio Lower Upper

276 100

138 21.6 17.2 25.8

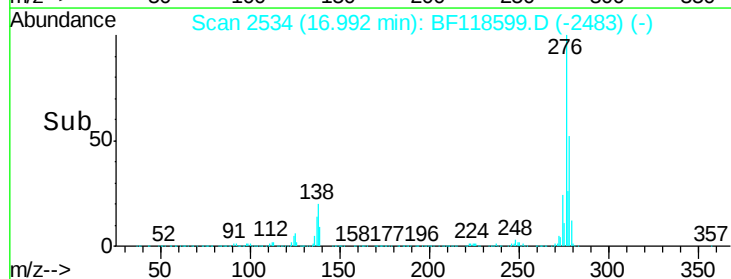
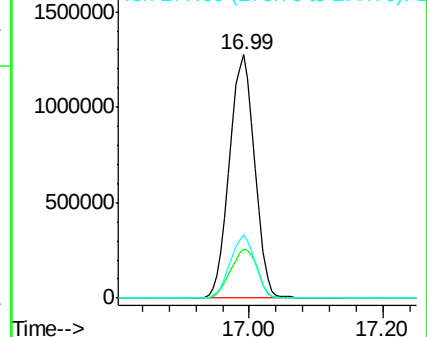
277 25.7 20.5 30.7

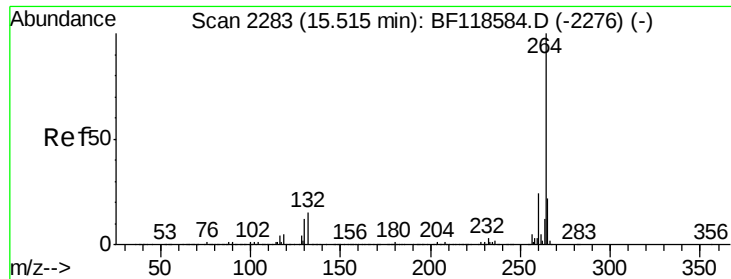


Abundance Ion 276.00 (275.70 to 276.70): E

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: BF118599.D
Acq: 20 Jan 2020 19:00

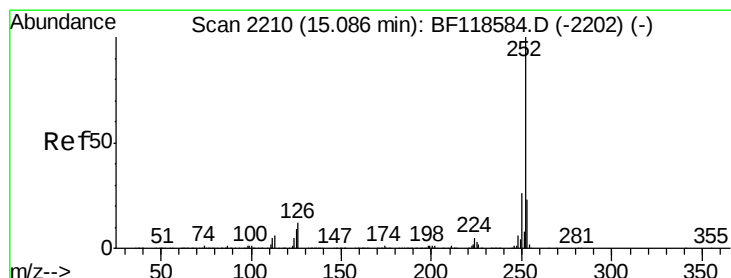
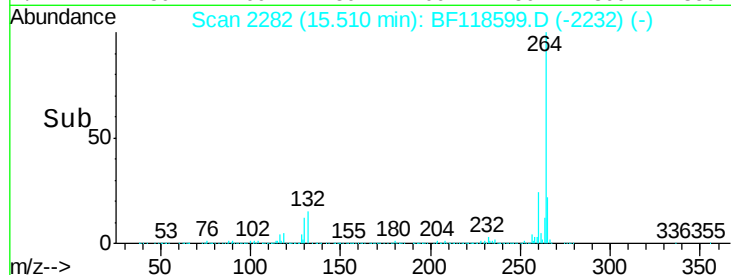
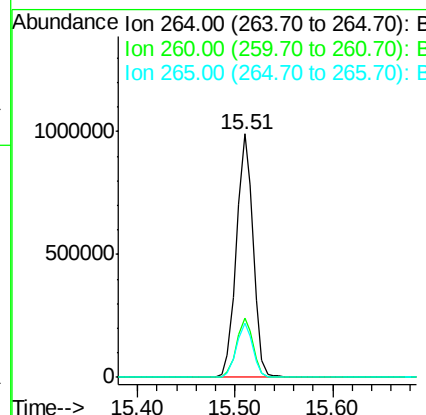
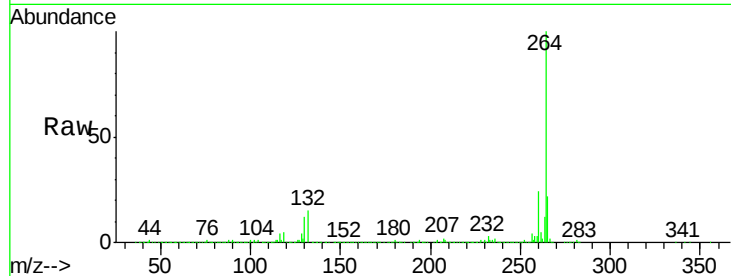
Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMS

Tot Ion:264 Resp: 1175739

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	22.4	17.7	26.5

Manual Integrations
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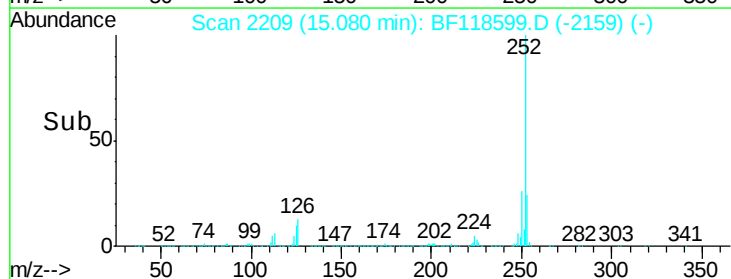
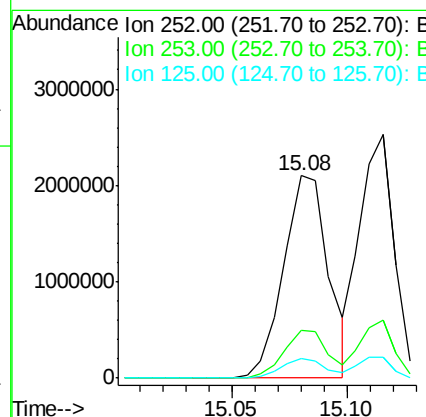
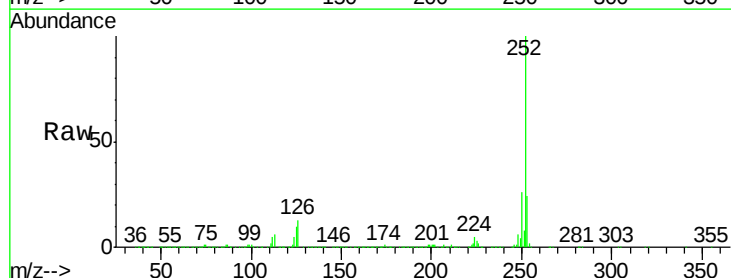
mohammad
1/21/2020 2:26:10 PM



#88
Benzo(b)fluoranthene
Concen: 38.441 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF118599.D
Acq: 20 Jan 2020 19:00

Tgt Ion:252 Resp: 2840940

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.7	28.1
125	9.9	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 38.349 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:252 Resp: 2625671

Ion Ratio Lower Upper

252 100

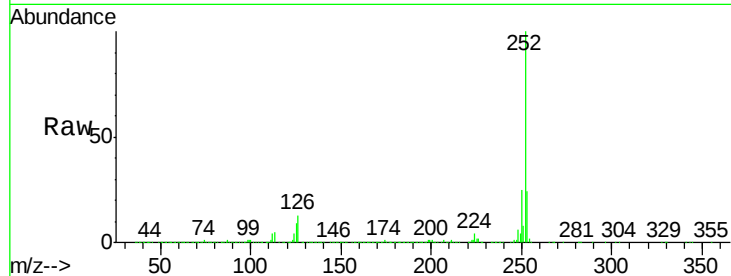
253 23.8 19.0 28.4

125 8.8 7.6 11.4

Manual Integrations
APPROVED

mohammad

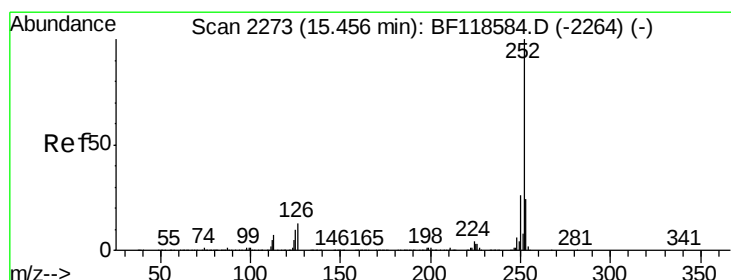
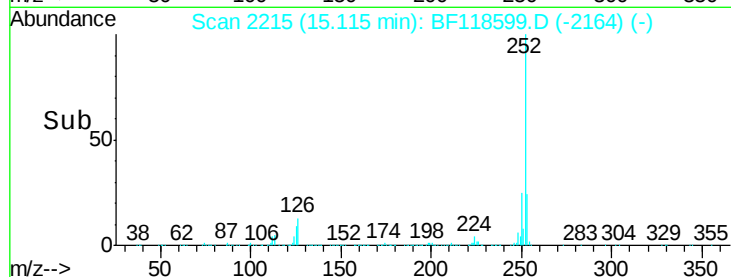
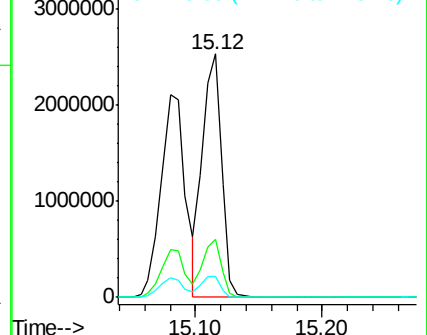
1/21/2020 2:26:10 PM



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 39.863 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

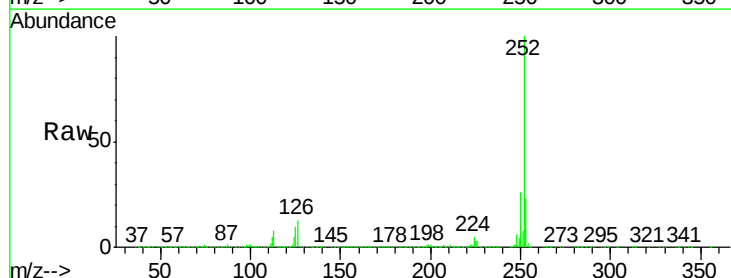
Tgt Ion:252 Resp: 2541326

Ion Ratio Lower Upper

252 100

253 23.4 18.8 28.2

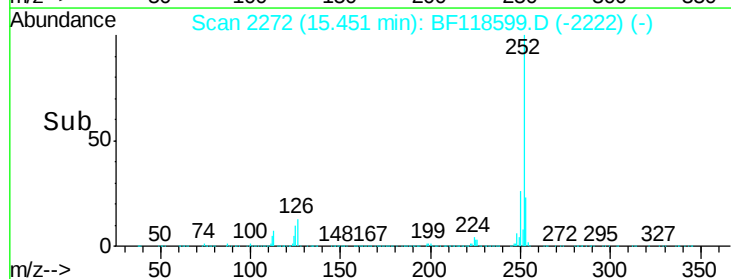
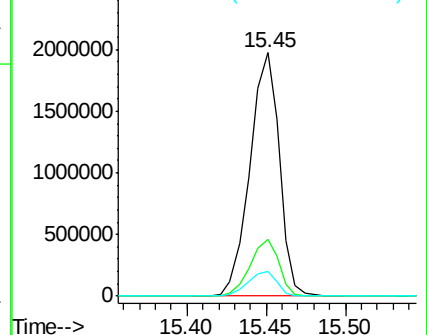
125 10.0 7.8 11.6

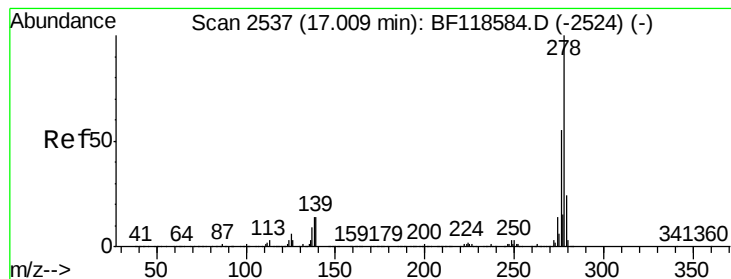


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 50.238 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.00 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMS

Tot Ion:278 Resp: 2833048

Ion Ratio Lower Upper

278 100

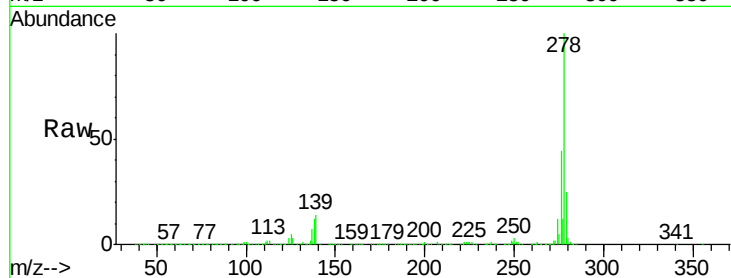
139 14.0 11.4 17.0

279 25.2 19.0 28.6

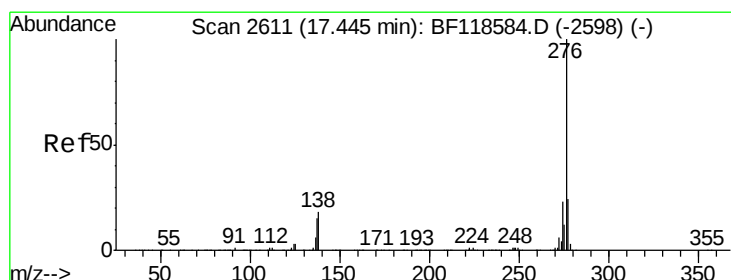
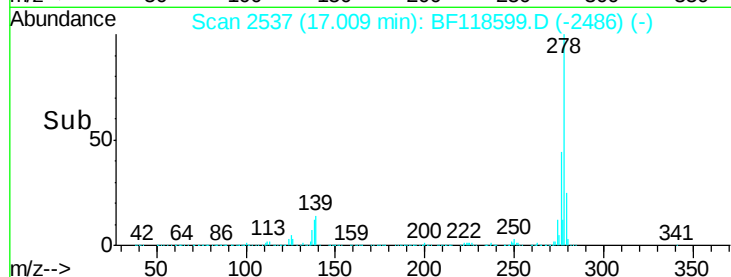
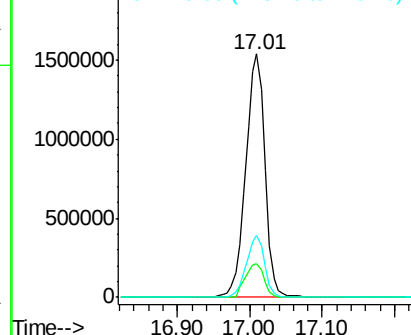
Manual Integrations
APPROVED

mohammad

1/21/2020 2:26:10 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: 51.421 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BF118599.D

Acq: 20 Jan 2020 19:00

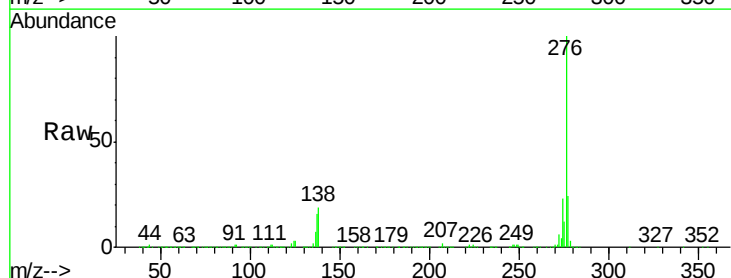
Tgt Ion:276 Resp: 2815503

Ion Ratio Lower Upper

276 100

277 24.3 18.9 28.3

138 19.4 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

