

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118600.D
 Acq On : 20 Jan 2020 19:28
 Operator : CG/JU
 Sample : L1181-05MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

Manual Integrations
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 1/21/2020 2:26:13 PM

Quant Time: Jan 21 02:45:18 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	499081	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1874129	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	1036873	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	1794958	20.00	ng	0.00
76) Chrysene-d12	14.04	240	1078067	20.00	ng	0.00
87) Perylene-d12	15.51	264	1110727	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	3780065	140.67	ng	0.02
7) Phenol-d6	6.52	99	5166443	147.92	ng	0.00
23) Nitrobenzene-d5	7.45	82	3311231	98.82	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	1695196	141.35	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	5355173	84.89	ng	0.00
79) Terphenyl-d14	12.99	244	5577023	112.83	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.76	88	513260	39.435	ng	99
3) Pyridine	3.51	79	1323743	36.085	ng	99
4) n-Nitrosodimethylamine	3.45	42	682603	43.402	ng	95
6) Aniline	6.55	93	1091768	23.739	ng	99
8) 2-Chlorophenol	6.67	128	1423657	47.200	ng	97
9) Benzaldehyde	6.43	77	766669	36.094	ng	96
10) Phenol	6.53	94	1854092	46.582	ng	96
11) bis(2-Chloroethyl)ether	6.62	93	1352553	45.801	ng	99
12) 1,3-Dichlorobenzene	6.82	146	1533505	43.438	ng	97
13) 1,4-Dichlorobenzene	6.90	146	1564886	44.158	ng	99
14) 1,2-Dichlorobenzene	7.06	146	1476785	44.330	ng	98
15) Benzyl Alcohol	7.02	79	1323960	47.800	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	1791453	43.552	ng	100
17) 2-Methylphenol	7.13	107	1203501	47.903	ng	99
18) Hexachloroethane	7.40	117	563706	43.868	ng	97
19) n-Nitroso-di-n-propylamine	7.30	70	1087016	46.093	ng	99
20) 3+4-Methylphenols	7.28	107	1474199	48.060	ng	88
22) Acetophenone	7.29	105	1918184	43.206	ng	# 98
24) Nitrobenzene	7.46	77	1559396	45.453	ng	97
25) Isophorone	7.70	82	2811788	46.009	ng	98
26) 2-Nitrophenol	7.77	139	763240	52.168	ng	96
27) 2,4-Dimethylphenol	7.82	122	1385875	54.856	ng	100
28) bis(2-Chloroethoxy)methane	7.91	93	1727380	43.867	ng	99
29) 2,4-Dichlorophenol	8.02	162	1302002	46.620	ng	100
30) 1,2,4-Trichlorobenzene	8.10	180	1401982	43.295	ng	99
31) Naphthalene	8.19	128	3876150	45.784	ng	98
32) Benzoic acid	7.93	122	776609	40.959	ng	97
33) 4-Chloroaniline	8.23	127	336470	8.599	ng	98
34) Hexachlorobutadiene	8.31	225	833171	42.250	ng	99
35) Caprolactam	8.60	113	404449m	44.253	ng	
36) 4-Chloro-3-methylphenol	8.71	107	1281674	46.473	ng	99
37) 2-Methylnaphthalene	8.88	142	2827055	47.308	ng	99
38) 1-Methylnaphthalene	8.98	142	2632869	46.375	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	1407382	43.380	ng	99

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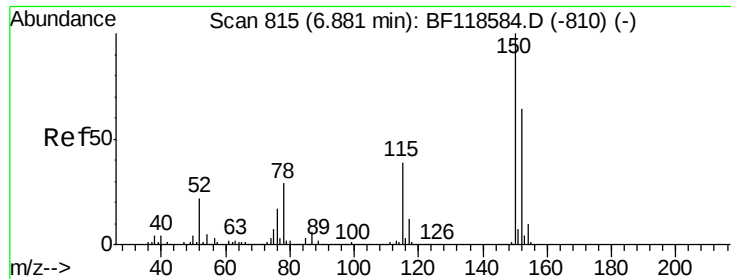
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.04	237	1562752	95.473	ng	98
43) 2,4,6-Trichlorophenol	9.16	196	1003228	46.600	ng	99
44) 2,4,5-Trichlorophenol	9.19	196	1038353	47.225	ng	98
46) 1,1'-Biphenyl	9.35	154	3261579	45.641	ng	99
47) 2-Chloronaphthalene	9.37	162	2669508	44.320	ng	99
48) 2-Nitroaniline	9.46	65	804700	43.461	ng	97
49) Acenaphthylene	9.79	152	3909878	46.142	ng	98
50) Dimethylphthalate	9.65	163	3398569	50.309	ng	99
51) 2,6-Dinitrotoluene	9.70	165	724185	47.873	ng	98
52) Acenaphthene	9.96	154	2691664	47.505	ng	99
53) 3-Nitroaniline	9.86	138	337456	19.536	ng	99
54) 2,4-Dinitrophenol	9.97	184	502219	83.161	ng	# 50
55) Dibenzofuran	10.13	168	3612986	46.013	ng	98
56) 4-Nitrophenol	10.03	139	1157327	88.755	ng	94
57) 2,4-Dinitrotoluene	10.10	165	932286	48.888	ng	95
58) Fluorene	10.47	166	2777993	45.066	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.25	232	879573	45.482	ng	99
60) Diethylphthalate	10.35	149	2937032	44.841	ng	98
61) 4-Chlorophenyl-phenylether	10.46	204	1505459	44.904	ng	100
62) 4-Nitroaniline	10.49	138	676332	38.172	ng	98
63) Azobenzene	10.62	77	2902454	45.756	ng	96
65) 4,6-Dinitro-2-methylphenol	10.51	198	398863	50.535	ng	98
66) n-Nitrosodiphenylamine	10.58	169	2633128	48.643	ng	99
67) 4-Bromophenyl-phenylether	10.95	248	1034892	46.667	ng	94
68) Hexachlorobenzene	11.02	284	1143520	45.483	ng	96
69) Atrazine	11.10	200	913669	48.697	ng	99
70) Pentachlorophenol	11.21	266	1172724	83.895	ng	98
71) Phenanthrene	11.43	178	3875546	44.754	ng	98
72) Anthracene	11.49	178	3959730	46.212	ng	99
73) Carbazole	11.63	167	3451792	43.919	ng	99
74) Di-n-butylphthalate	11.97	149	4086643	46.800	ng	97
75) Fluoranthene	12.62	202	3919321	42.912	ng	99
77) Benzidine	12.73	184	1376865	47.799	ng	98
78) Pyrene	12.84	202	3925189	53.629	ng	100
80) Butylbenzylphthalate	13.46	149	1624542	54.234	ng	96
81) Benzo(a)anthracene	14.03	228	3029137	46.709	ng	100
82) 3,3'-Dichlorobenzidine	13.99	252	554535	23.997	ng	97
83) Chrysene	14.07	228	2907857	46.785	ng	99
84) Bis(2-ethylhexyl)phthalate	14.03	149	2122004	57.985	ng	99
85) Di-n-octyl phthalate	14.64	149	3128058	57.747	ng	100
86) Indeno(1,2,3-cd)pyrene	16.99	276	3542043	65.587	ng	100
88) Benzo(b)fluoranthene	15.08	252	2956365	42.344	ng	99
89) Benzo(k)fluoranthene	15.12	252	2679068	41.419	ng	99
90) Benzo(a)pyrene	15.45	252	2619869	43.500	ng	99
91) Dibenzo(a,h)anthracene	17.01	278	2940484	55.195	ng	98
92) Benzo(g,h,i)perylene	17.44	276	2955093	57.130	ng	98

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



#1

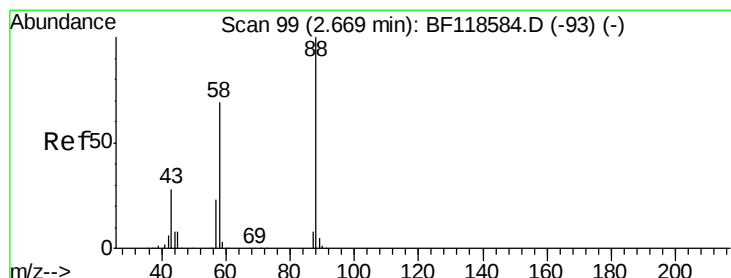
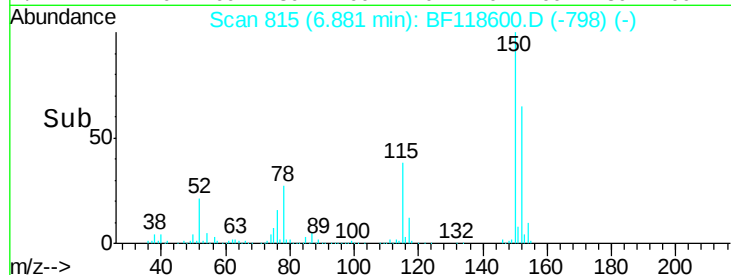
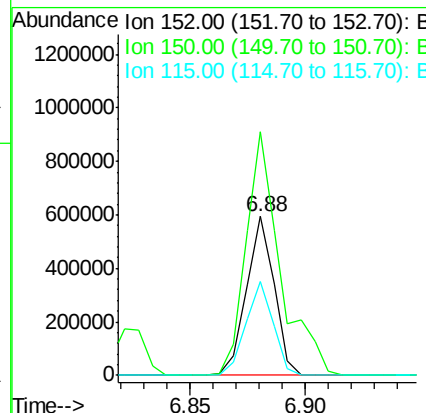
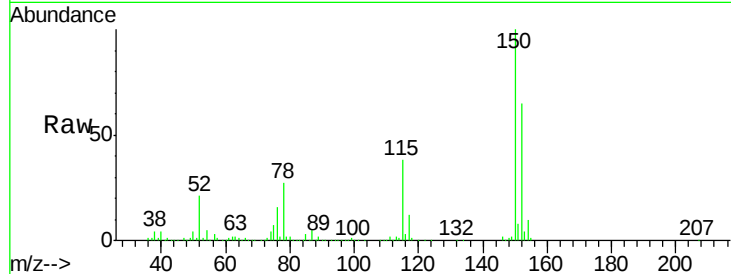
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	125.6	188.4
115	58.8	48.4	72.6

Manual Integrations
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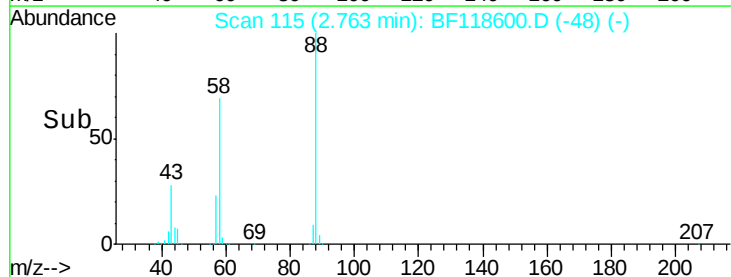
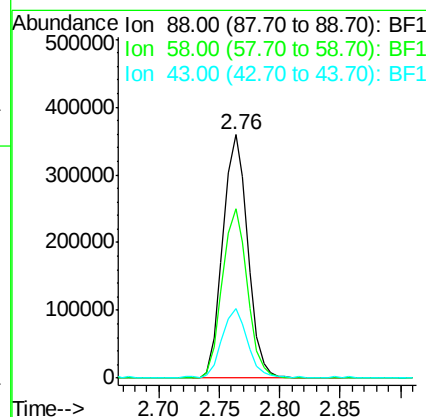
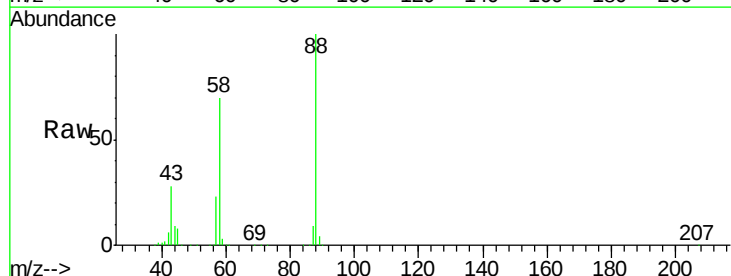
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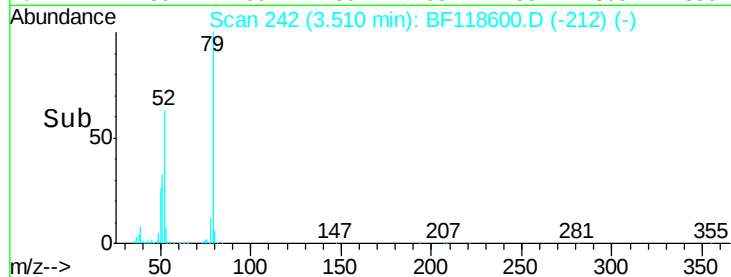
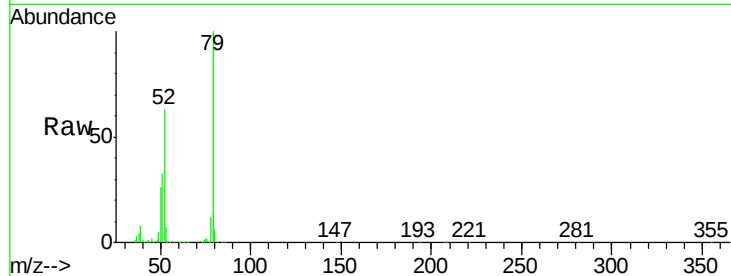
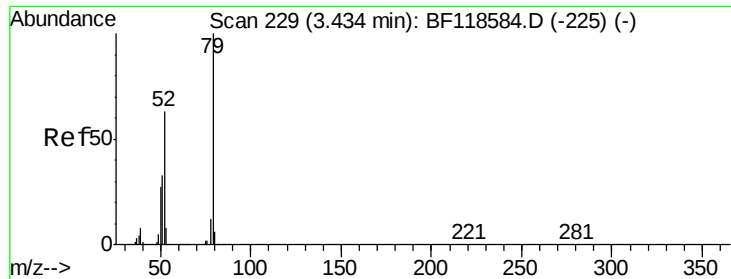


#2

1,4-Dioxane
Concen: 39.435 ng
RT: 2.76 min Scan# 115
Delta R.T. 0.09 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	69.6	56.1	84.1
43	28.0	23.0	34.6





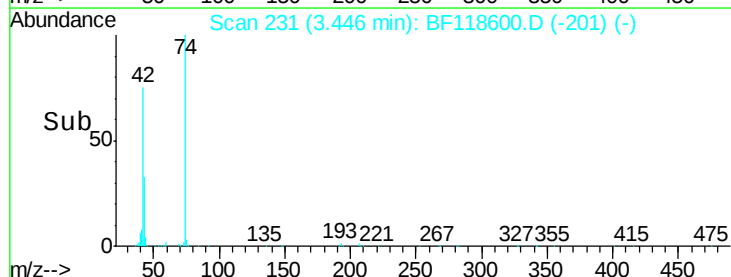
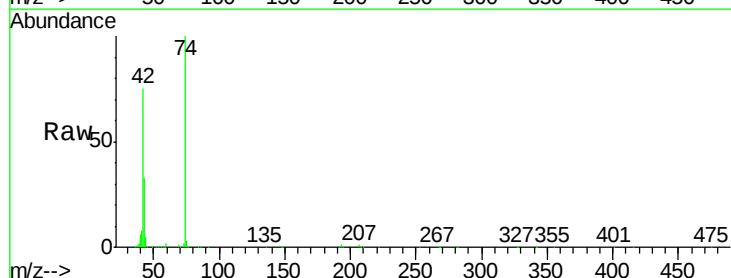
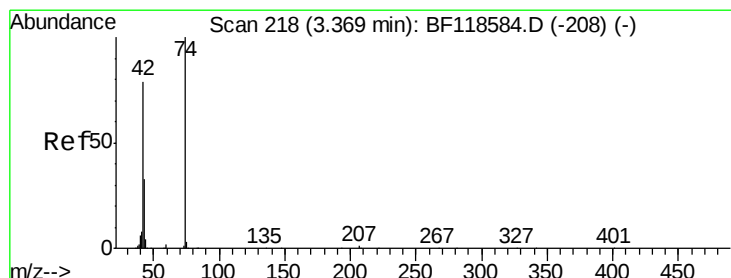
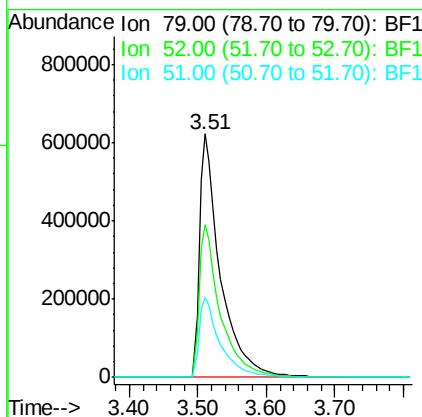
#3
Pvridine
Concen: 36.085 ng
RT: 3.51 min Scan# 242
Delta R.T. 0.08 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tot Ion: 79 Resp: 1323743
Ion Ratio Lower Upper
79 100
52 62.5 50.7 76.1
51 32.8 26.6 40.0

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

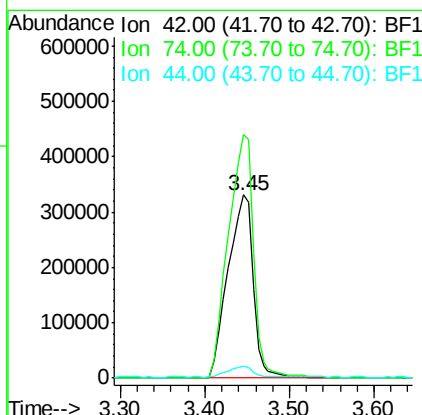
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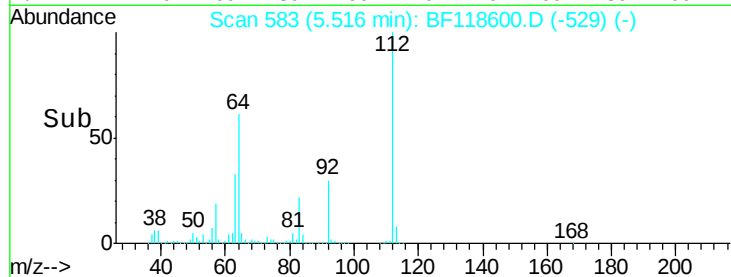
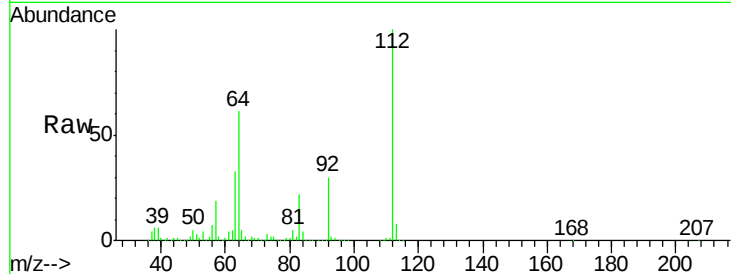
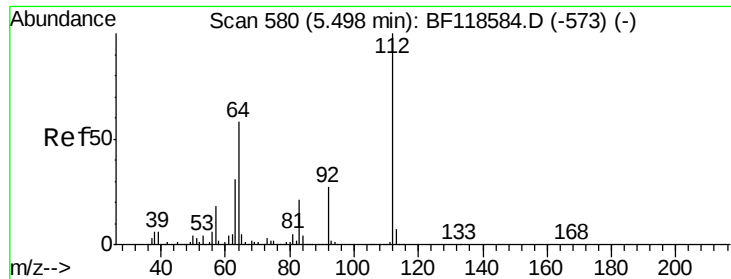
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#4
n-Nitrosodimethylamine
Concen: 43.402 ng
RT: 3.45 min Scan# 231
Delta R.T. 0.08 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion: 42 Resp: 682603
Ion Ratio Lower Upper
42 100
74 132.8 101.6 152.4
44 6.4 4.9 7.3





#5

2-Fluorophenol

Concen: 140.669 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.02 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Tot Ion: 112 Resp: 3780065

Ion Ratio Lower Upper

112 100

64 60.7 46.6 70.0

63 33.2 25.1 37.7

Instrument :

BNA_F

ClientSampleId :

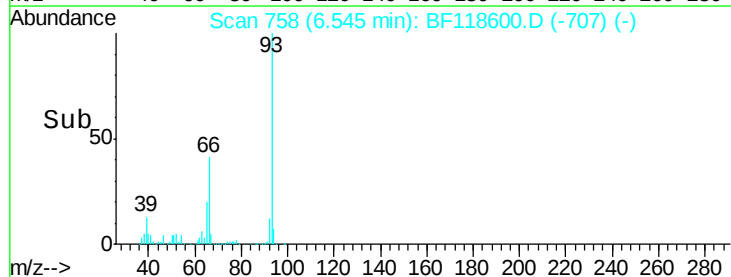
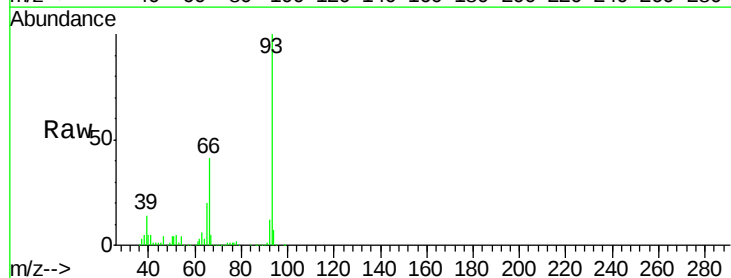
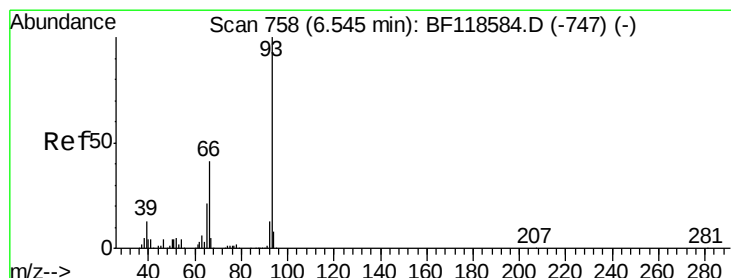
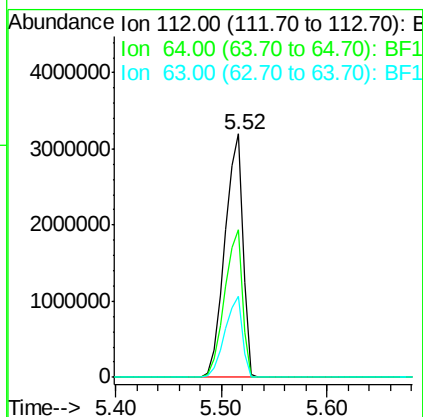
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Manual Integrations

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#6

Aniline

Concen: 23.739 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

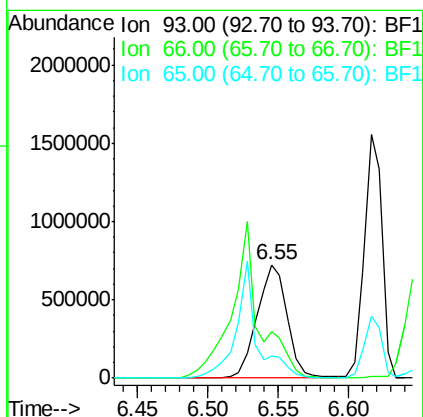
Tgt Ion: 93 Resp: 1091768

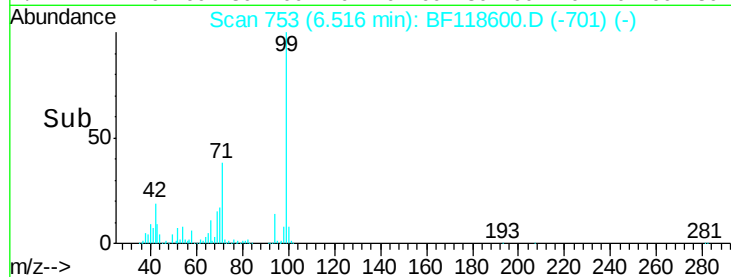
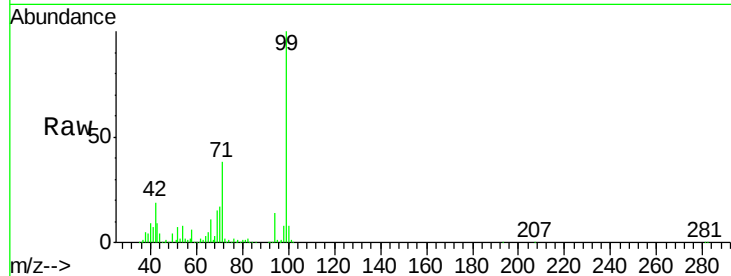
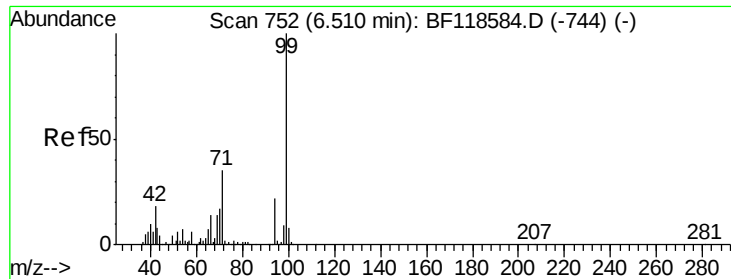
Ion Ratio Lower Upper

93 100

66 40.7 32.8 49.2

65 19.9 16.5 24.7





#7

Phenol-d6

Concen: 147.922 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Tot Ion: 99 Resp: 5166443

Ion Ratio Lower Upper

99 100

42 19.3 14.2 21.2

71 37.9 27.8 41.6

Instrument :

BNA_F

ClientSampleId :

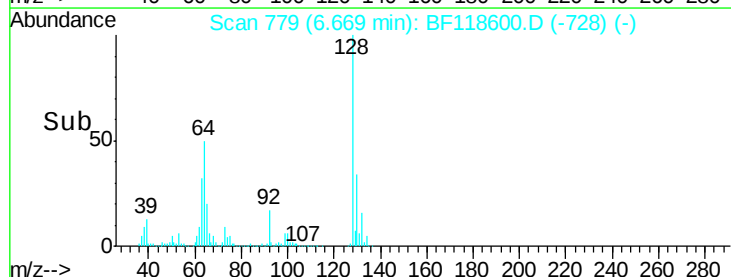
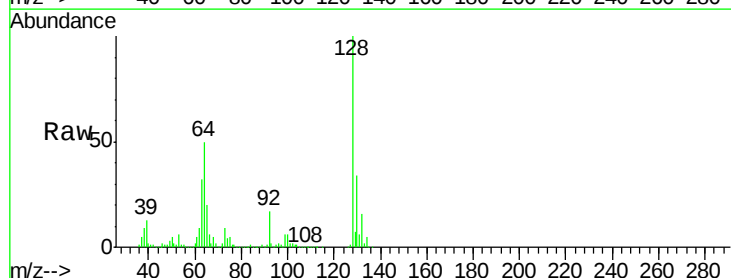
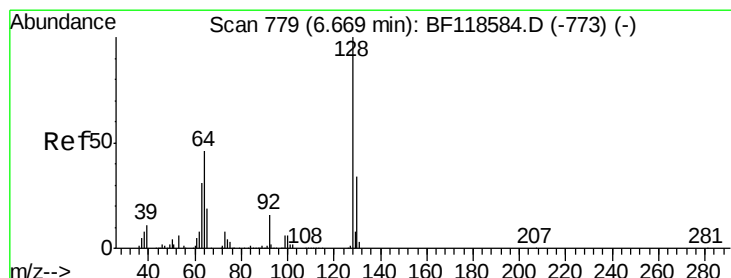
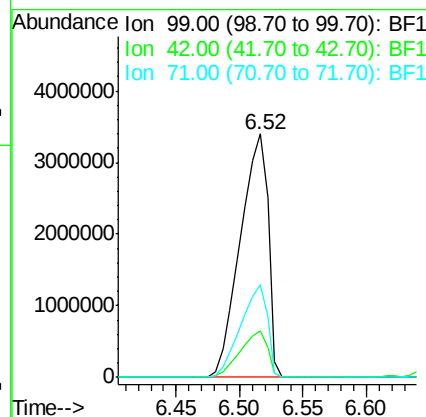
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#8

2-Chlorophenol

Concen: 47.200 ng

RT: 6.67 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

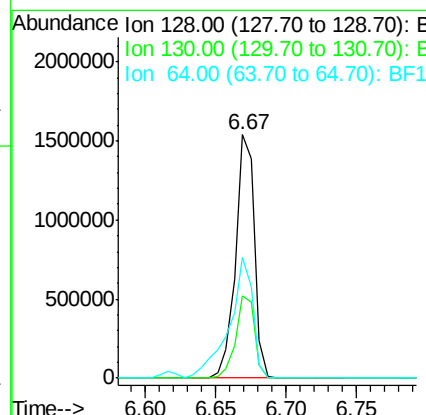
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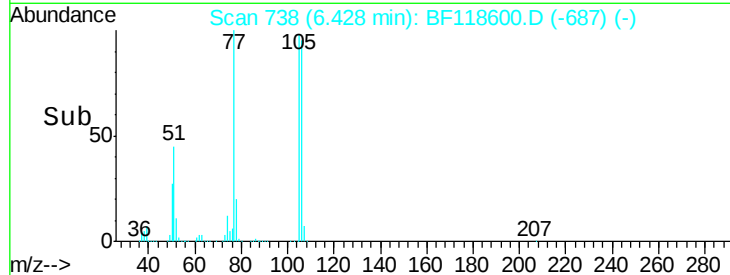
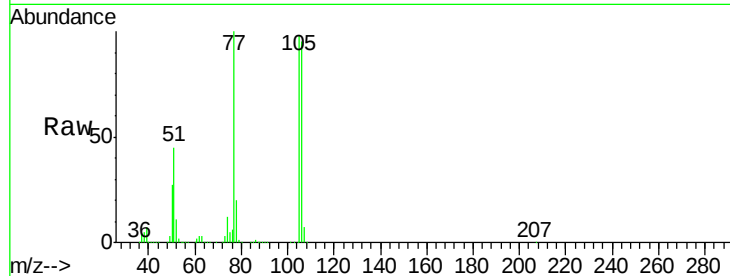
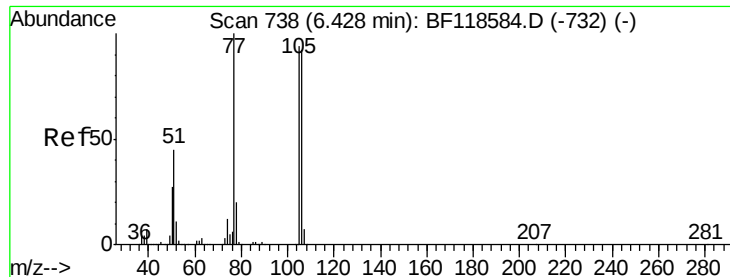
Ion Ratio Lower Upper

128 100

130 34.0 13.6 53.6

64 49.7 26.4 66.4





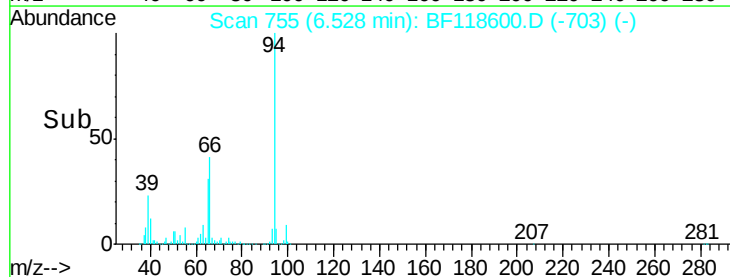
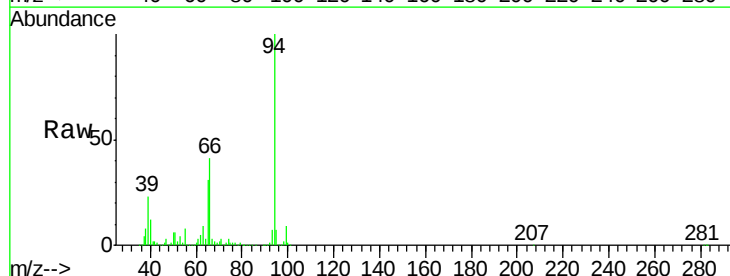
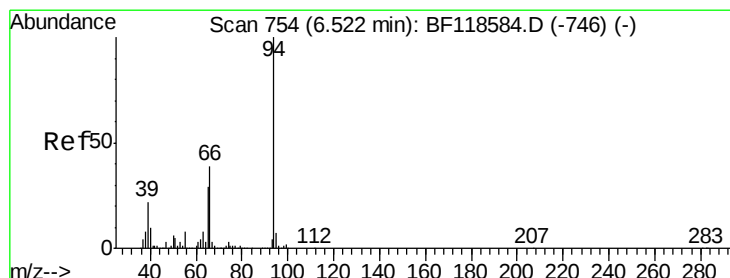
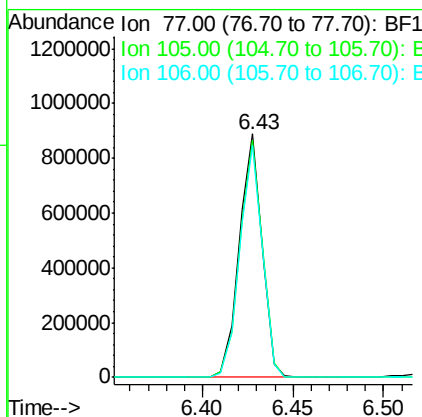
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Benzaldehyde
Concen: 36.094 ng
RT: 6.43 min Scan# 738
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tot Ion	Ratio	Lower	Upper
77	100		
105	97.6	73.5	113.5
106	95.3	71.9	111.9

Instrument :
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93OAK-AVE-COMPMSD

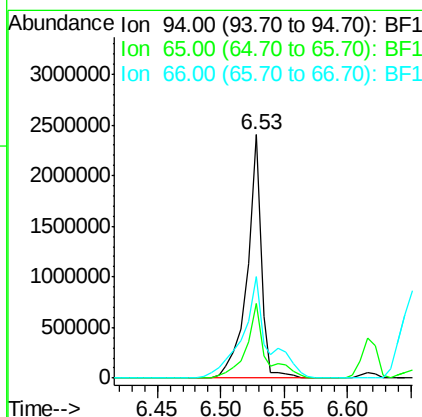
Manual Integrations
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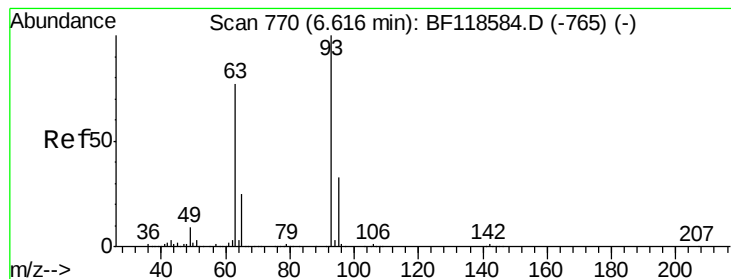
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#10
Phenol
Concen: 46.582 ng
RT: 6.53 min Scan# 755
Delta R.T. 0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.9	9.5	49.5
66	41.5	18.5	58.5





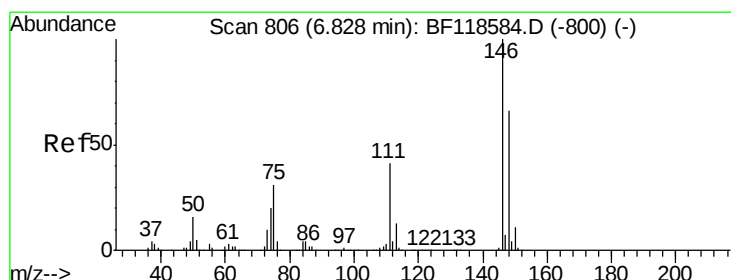
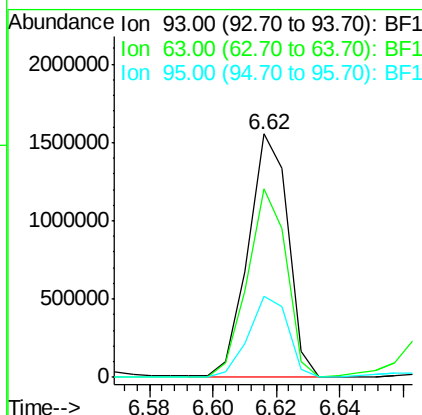
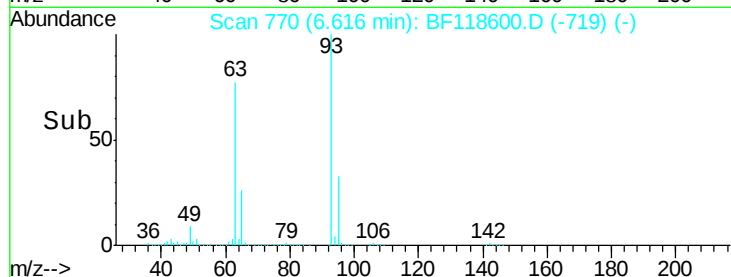
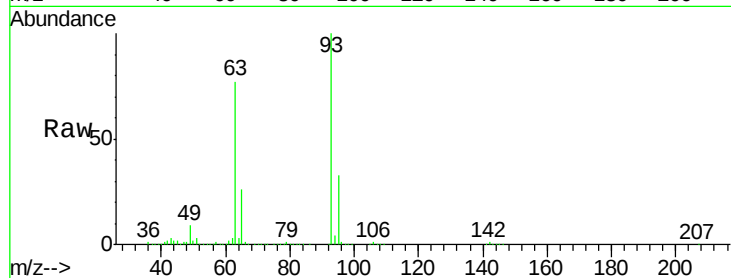
#11
bis(2-Chloroethyl)ether
Concen: 45.801 ng
RT: 6.62 min Scan# 770
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	77.2	56.3	96.3
95	33.4	13.3	53.3

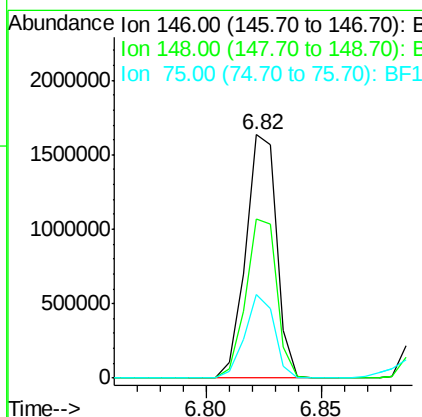
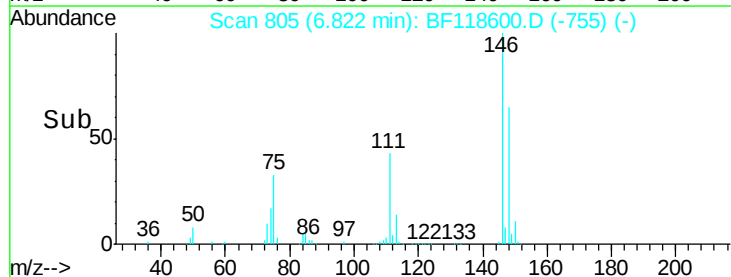
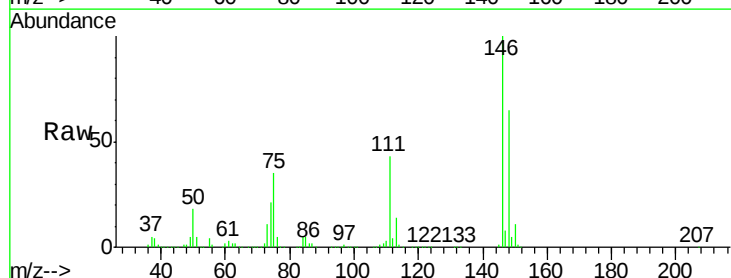
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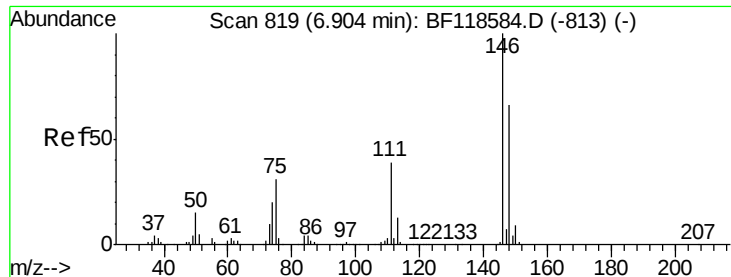
mohammad
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#12
1,3-Dichlorobenzene
Concen: 43.438 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	53.0	79.6
75	34.6	25.1	37.7





#13

1,4-Dichlorobenzene

Concen: 44.158 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:146 Resp: 1564886

Ion Ratio Lower Upper

146 100

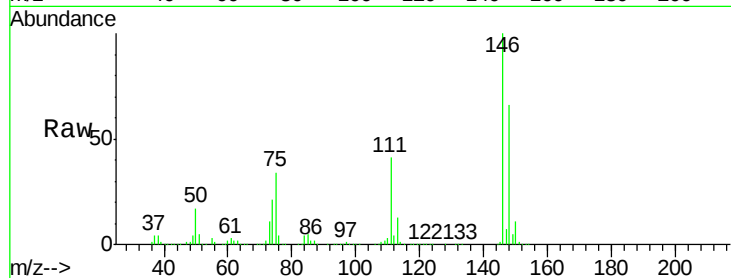
148 65.7 52.4 78.6

111 41.1 31.6 47.4

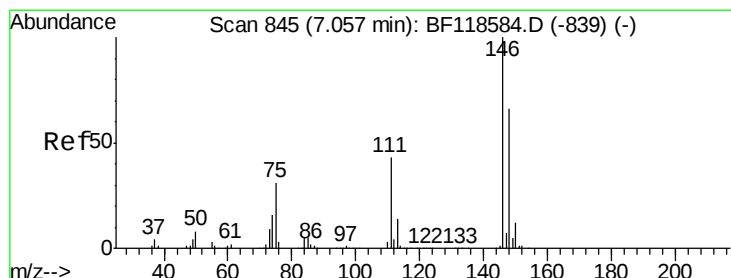
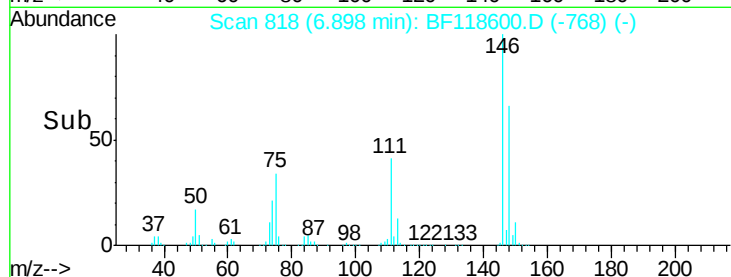
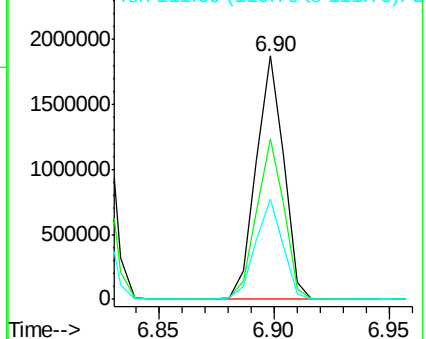
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Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 44.330 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

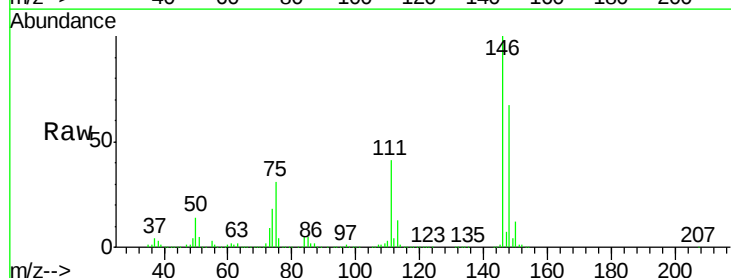
Tgt Ion:146 Resp: 1476785

Ion Ratio Lower Upper

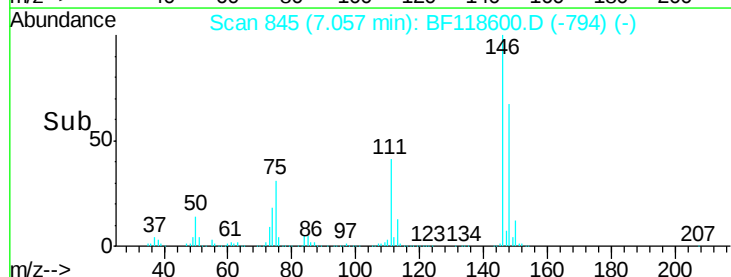
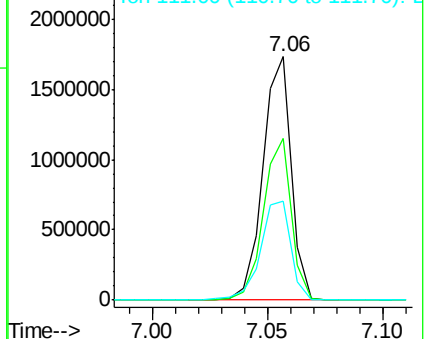
146 100

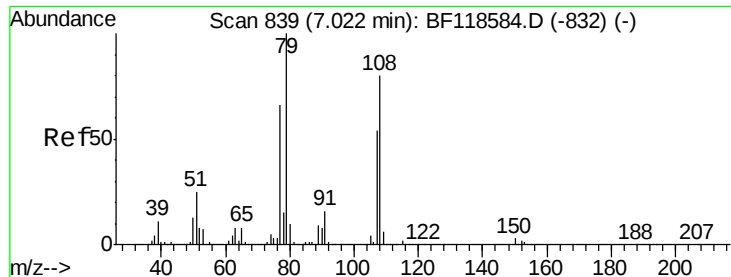
148 66.6 52.7 79.1

111 40.7 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.800 ng

RT: 7.02 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMDS

Tot Ion: 79 Resp: 1323960

Ion Ratio Lower Upper

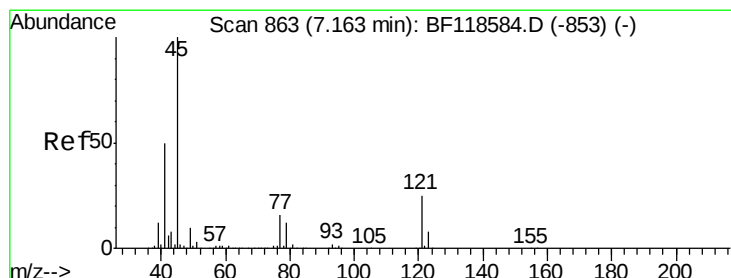
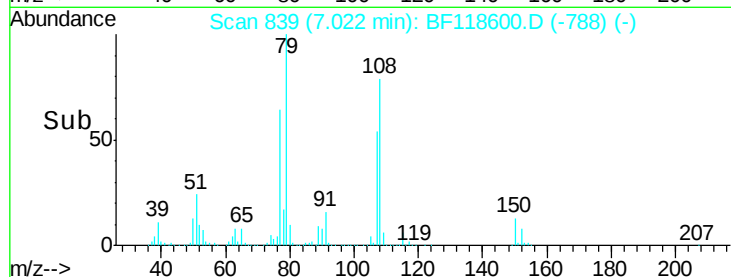
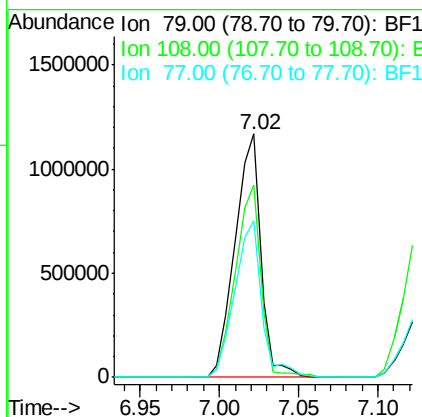
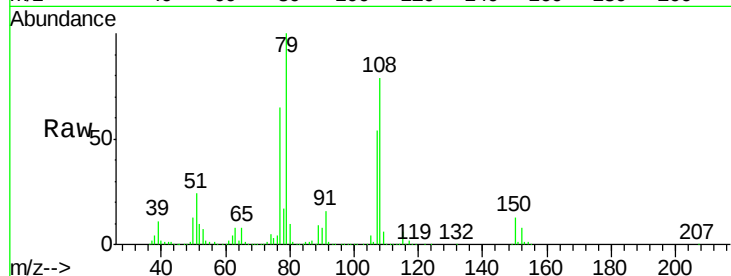
79 100

108 78.9 63.6 95.4

77 64.5 52.5 78.7

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#16

2,2'-oxybis(1-chloropropane)

Concen: 43.552 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

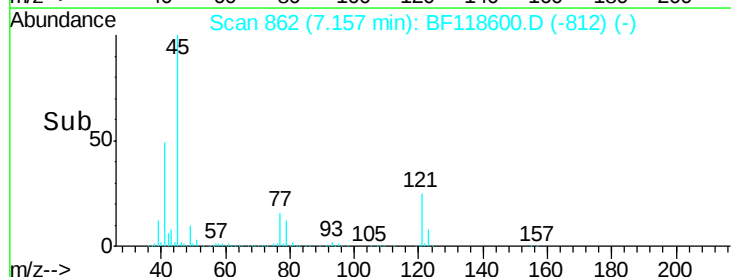
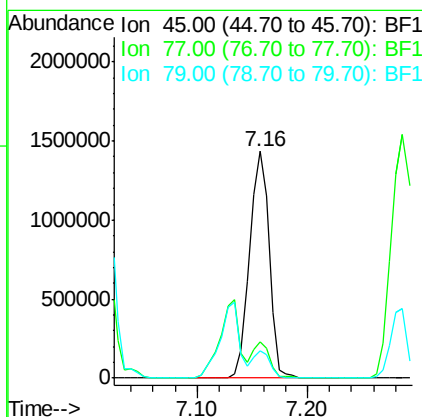
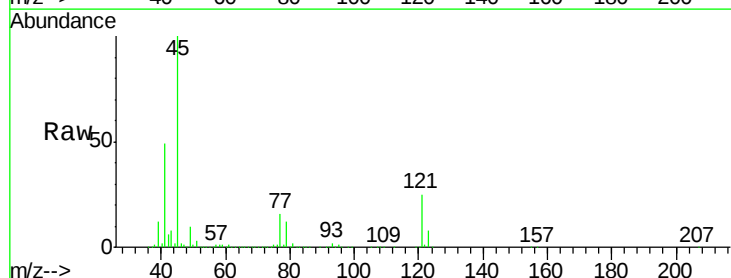
Tgt Ion: 45 Resp: 1791453

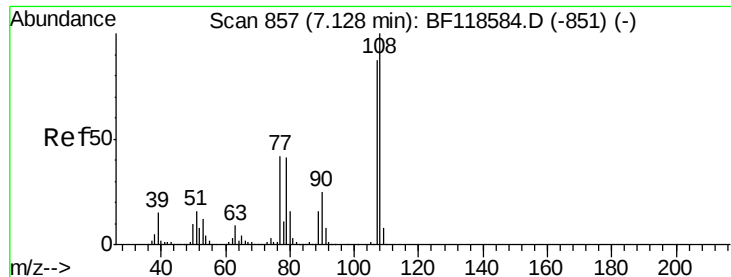
Ion Ratio Lower Upper

45 100

77 16.2 0.0 36.1

79 12.3 0.0 32.4





#17

2-Methylphenol

Concen: 47.903 ng

RT: 7.13 min Scan# 858

Delta R.T. 0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMDS

Tot Ion:107 Resp: 1203501

Ion Ratio Lower Upper

107 100

108 113.5 91.5 137.3

77 48.0 38.7 58.1

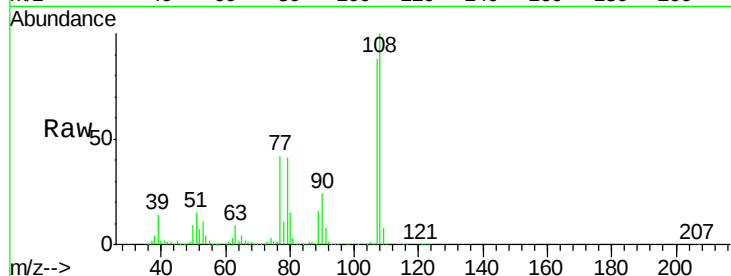
79 46.4 37.7 56.5

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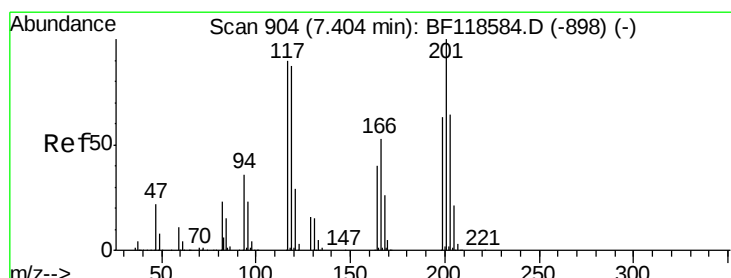
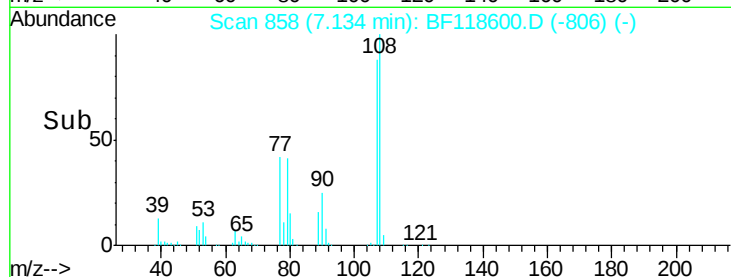
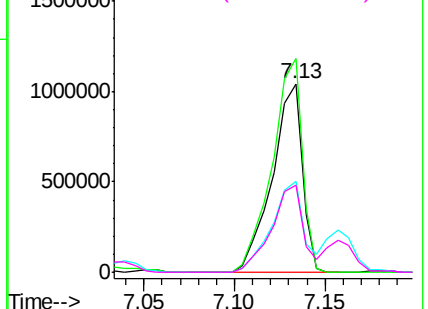


Abundance Ion 107.00 (106.70 to 107.70): E

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



#18

Hexachloroethane

Concen: 43.868 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

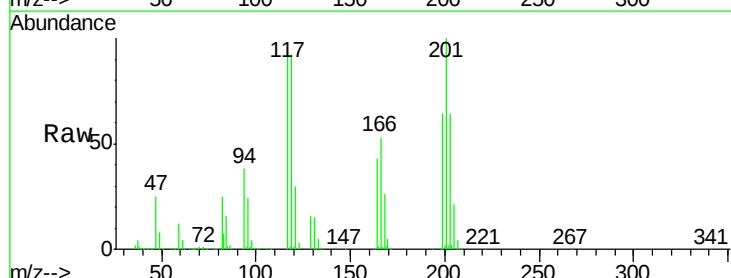
Tgt Ion:117 Resp: 563706

Ion Ratio Lower Upper

117 100

119 97.5 77.6 116.4

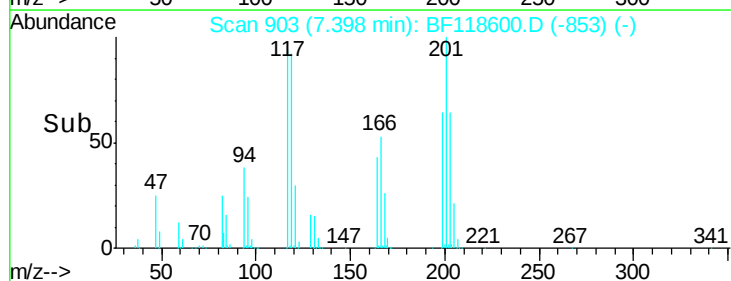
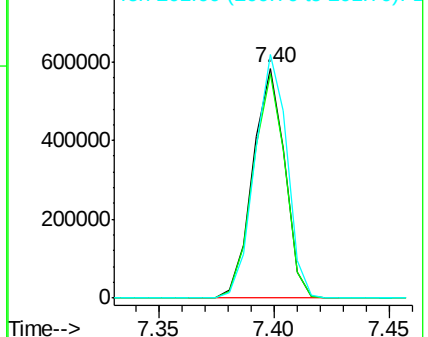
201 105.9 88.8 133.2

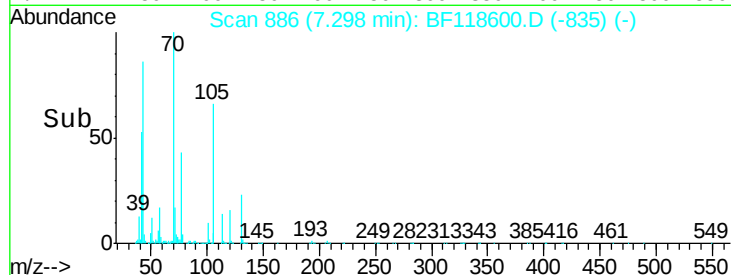
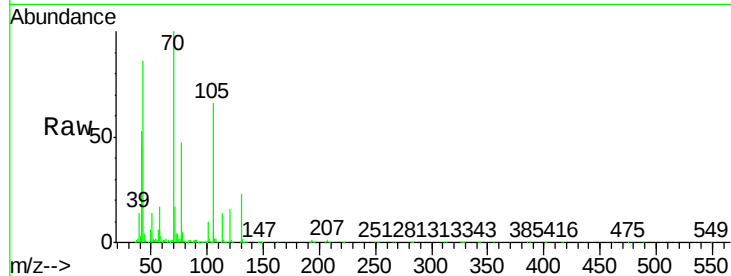
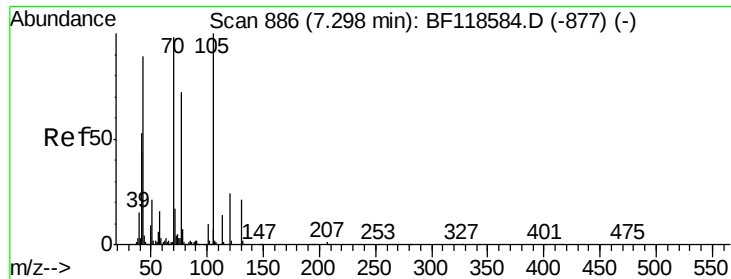


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





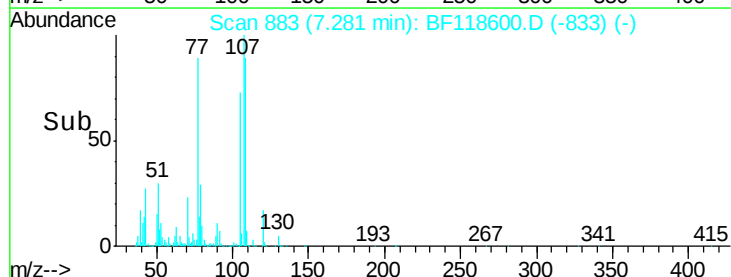
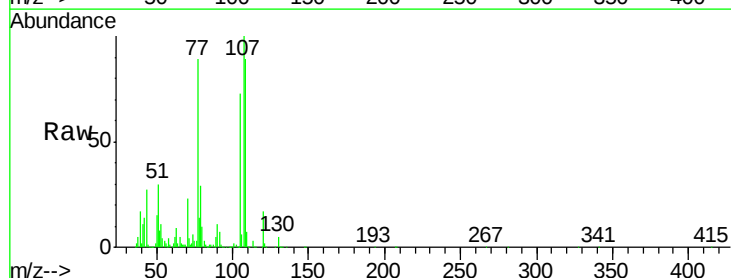
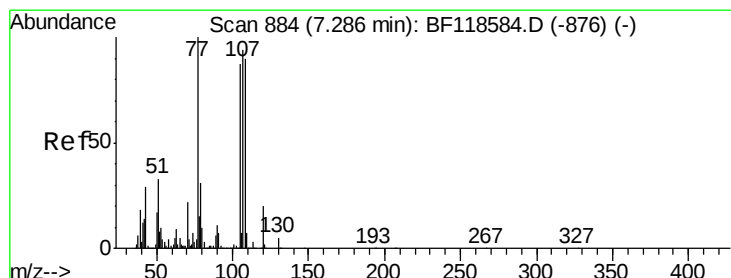
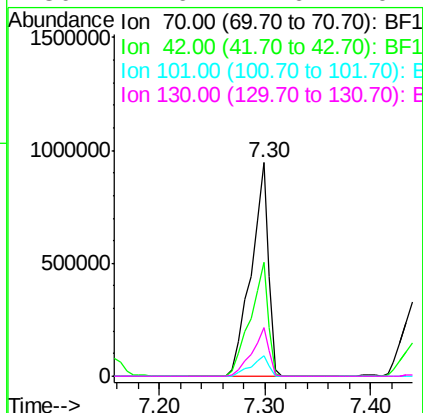
#19
n-Nitroso-di-n-propylamine
Concen: 46.093 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

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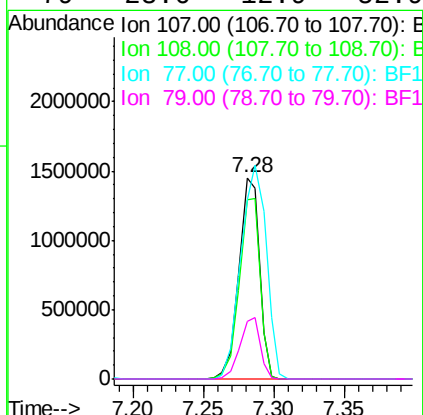
mohammad
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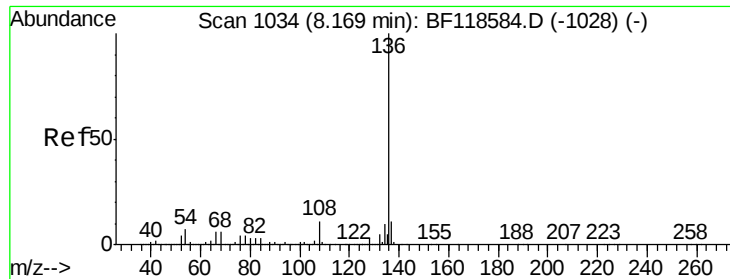
Tot Ion	Ratio	Lower	Upper
70	100		
42	53.5	43.4	65.0
101	9.7	8.1	12.1
130	22.6	17.6	26.4



#20
3+4-Methylphenols
Concen: 48.060 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.8	75.8	115.8
77	89.0	86.5	126.5
79	28.6	12.9	52.9





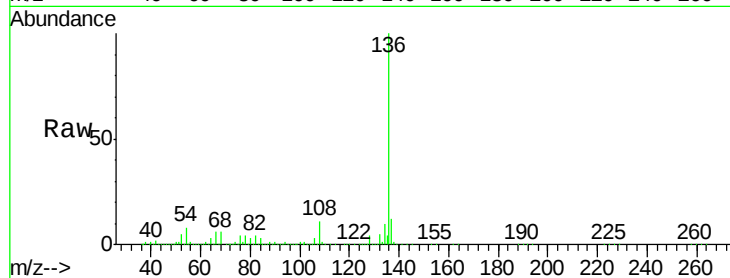
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

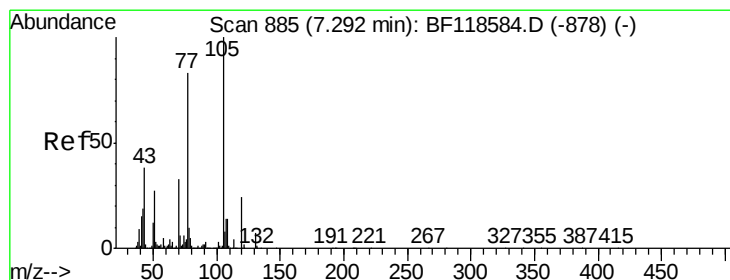
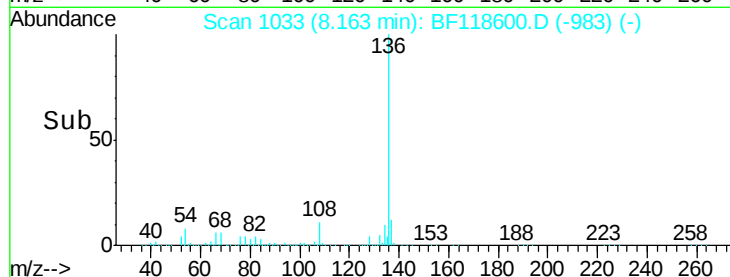
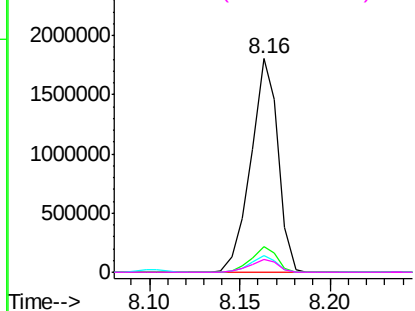
Tot Ion	136	Resp	1874129
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.6	5.8	8.6
68	6.3	5.0	7.4

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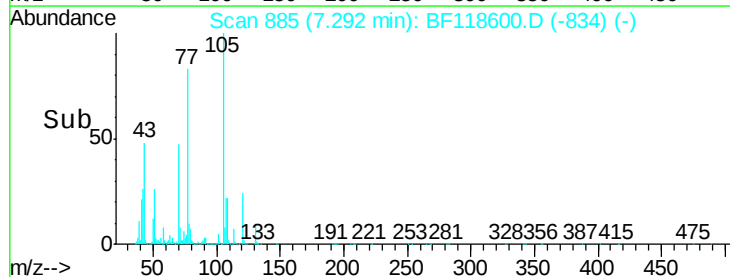
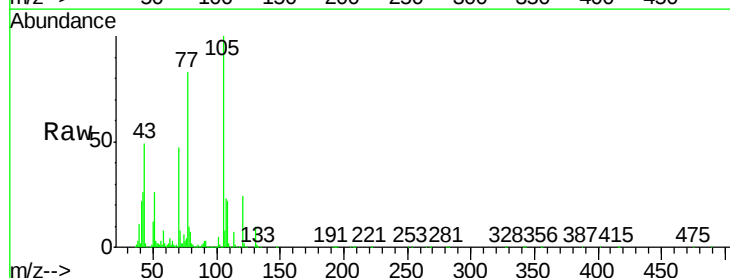
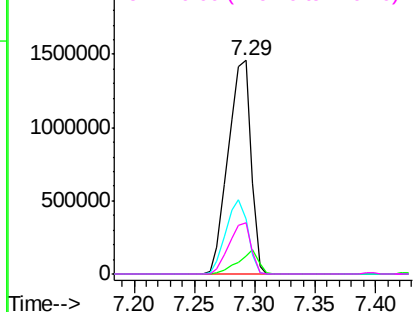
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 43.206 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	105	Resp	1918184
Ion	Ratio	Lower	Upper
105	100		
71	8.1	4.5	6.7#
51	26.0	21.5	32.3
120	24.0	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





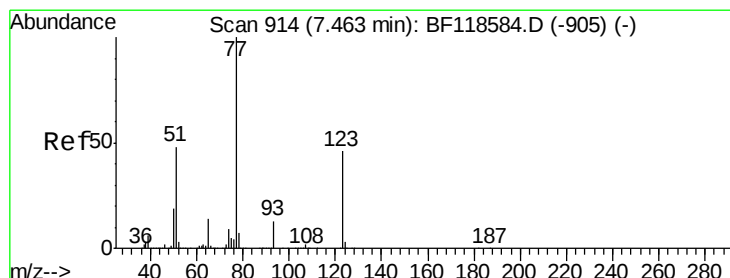
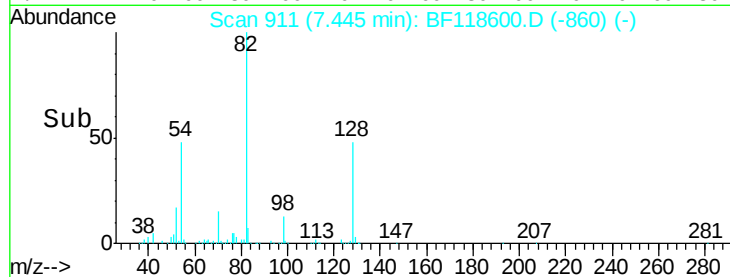
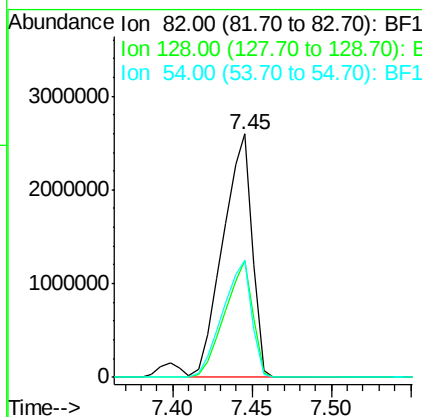
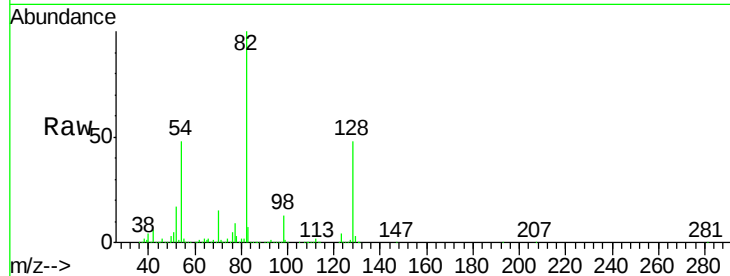
#23
 Nitrobenzene-d5
 Concen: 98.825 ng
 RT: 7.45 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

Tot Ion	82	Resp	3311231
Ion Ratio	100	Lower	Upper
82	100		
128	48.3	36.6	54.8
54	48.0	38.0	57.0

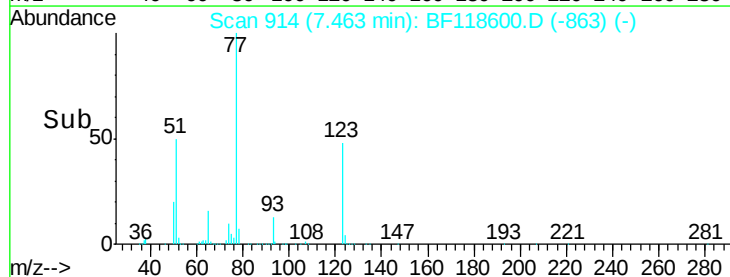
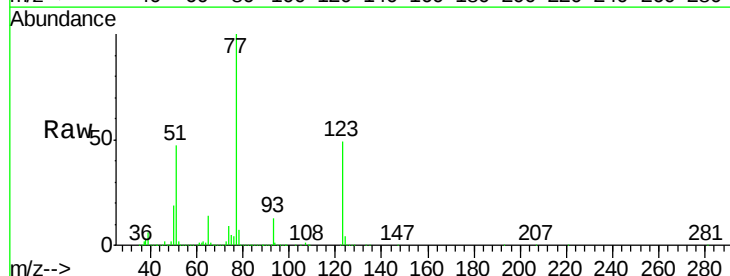
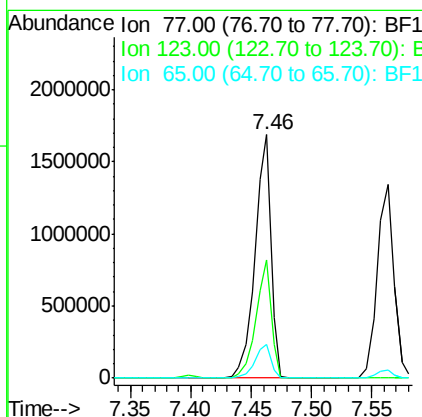
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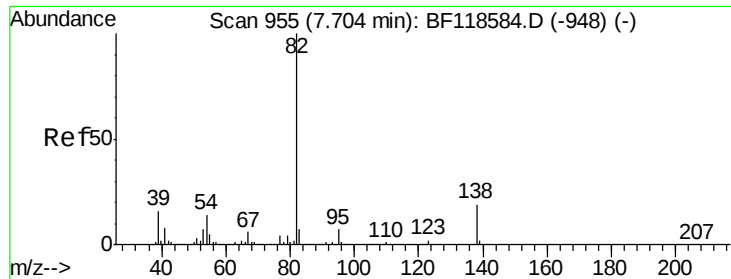
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#24
 Nitrobenzene
 Concen: 45.453 ng
 RT: 7.46 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Tgt Ion	77	Resp	1559396
Ion Ratio	100	Lower	Upper
77	100		
123	48.6	37.0	55.4
65	13.9	11.1	16.7





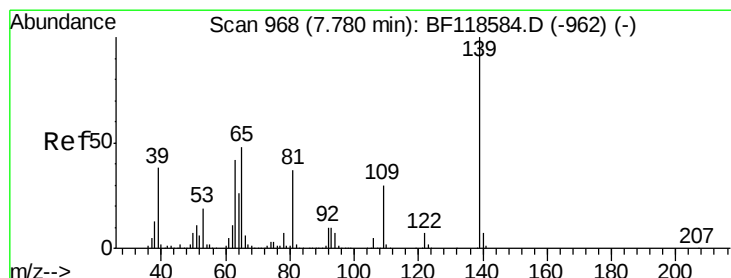
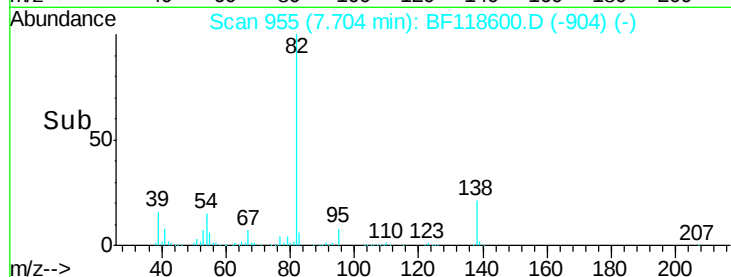
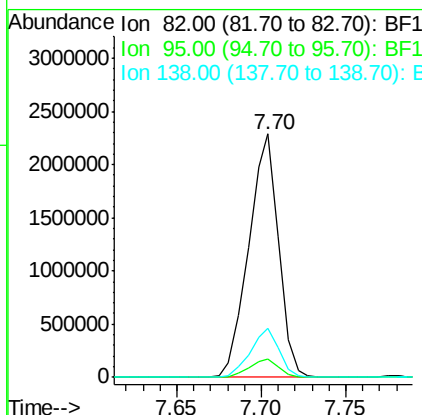
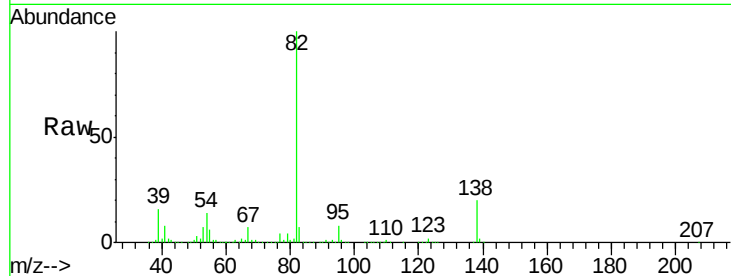
#25
Isophorone
Concen: 46.009 ng
RT: 7.70 min Scan# 955
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	82	Resp	2811788
Ion Ratio	Lower	Upper	
82	100		
95	7.6	5.9	8.9
138	20.1	15.3	22.9

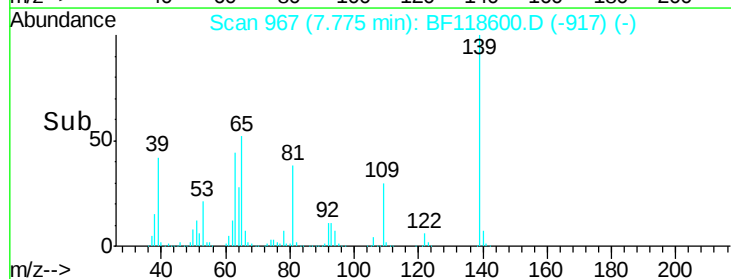
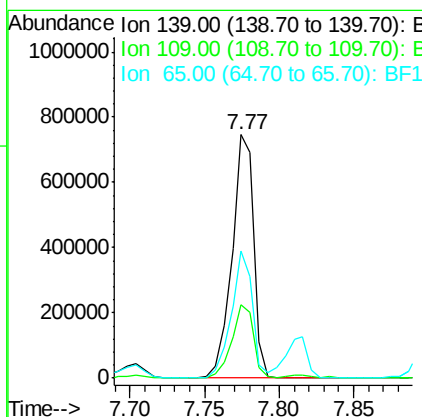
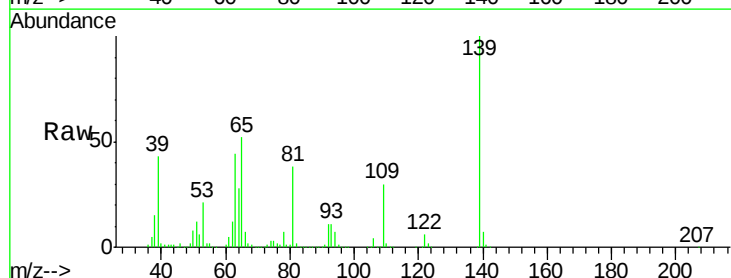
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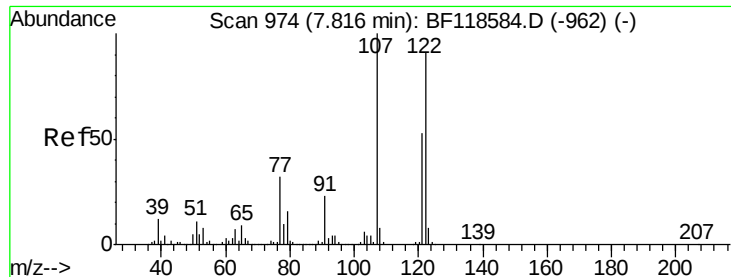
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#26
2-Nitrophenol
Concen: 52.168 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	139	Resp	763240
Ion Ratio	Lower	Upper	
139	100		
109	30.4	23.8	35.8
65	52.1	38.5	57.7





#27

2,4-Dimethylphenol

Concen: 54.856 ng

RT: 7.82 min Scan# 974

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:122 Resp: 1385875

Ion Ratio Lower Upper

122 100

107 110.0 88.0 132.0

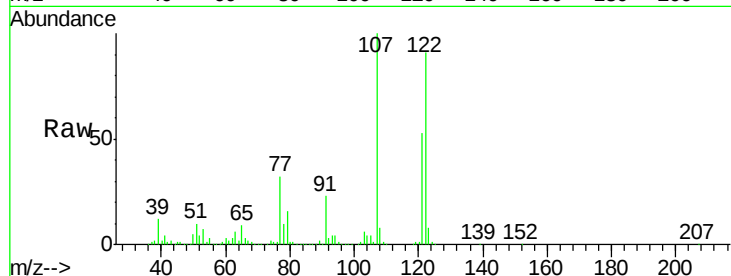
121 58.0 46.3 69.5

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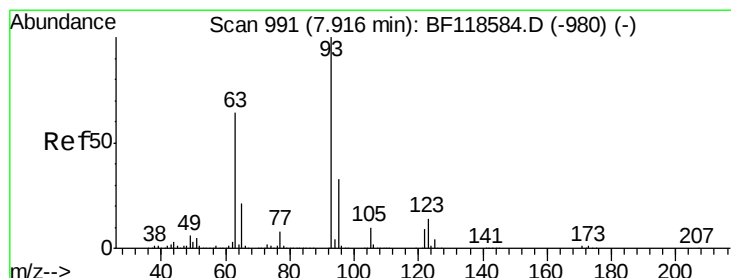
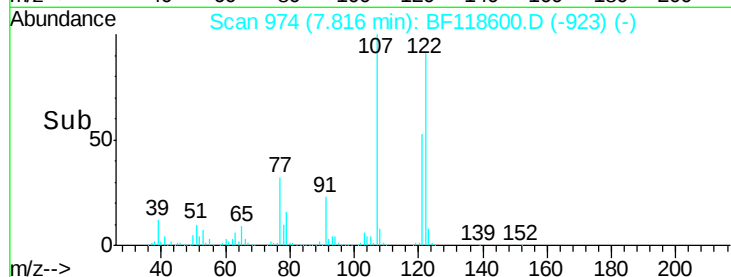
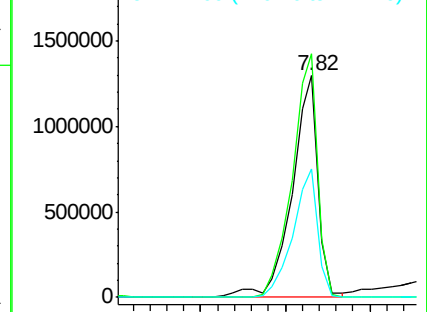
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Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.867 ng

RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

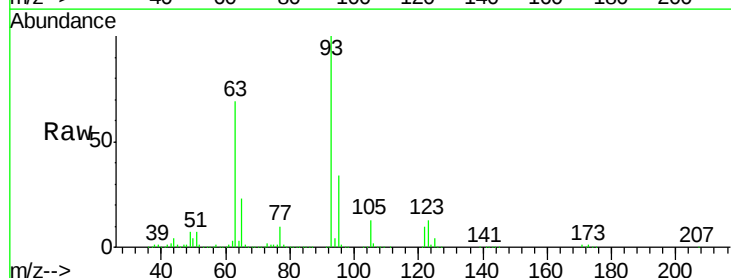
Tgt Ion: 93 Resp: 1727380

Ion Ratio Lower Upper

93 100

95 34.2 26.7 40.1

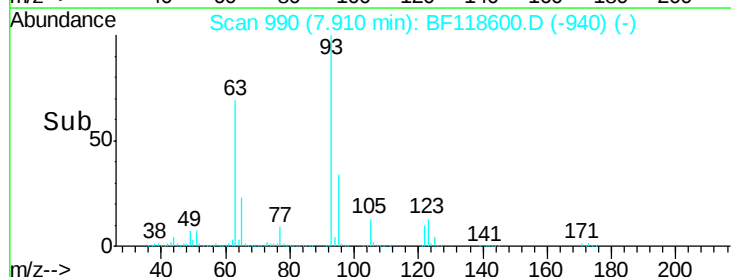
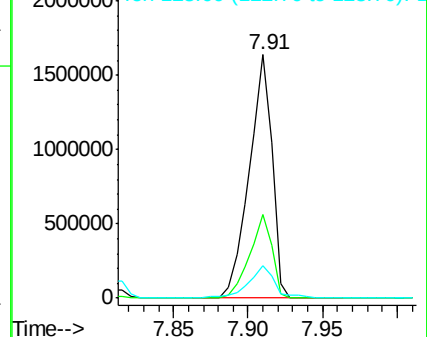
123 13.2 11.0 16.6

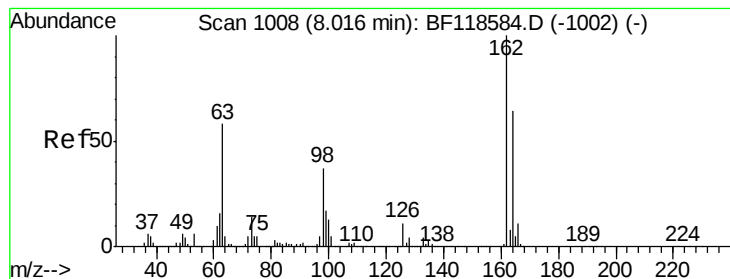


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 46.620 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:162 Resp: 1302002

Ion Ratio Lower Upper

162 100

164 64.2 44.3 84.3

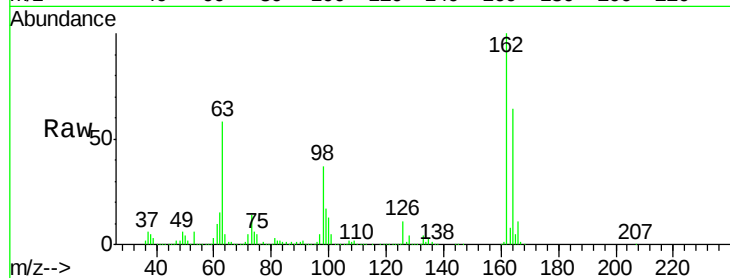
98 37.2 17.5 57.5

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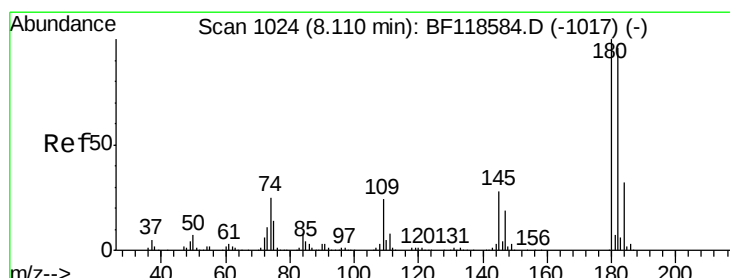
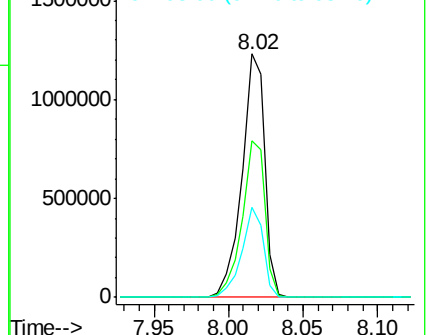
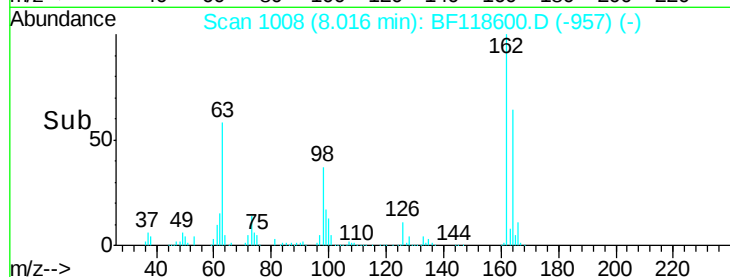
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 43.295 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

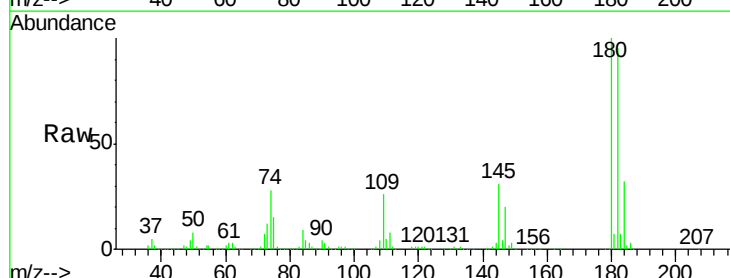
Tgt Ion:180 Resp: 1401982

Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

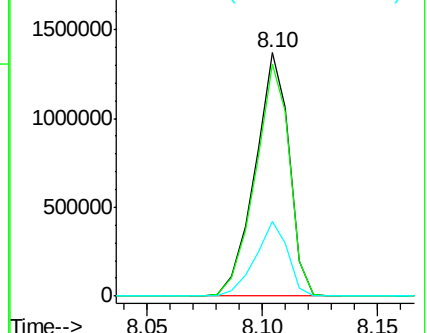
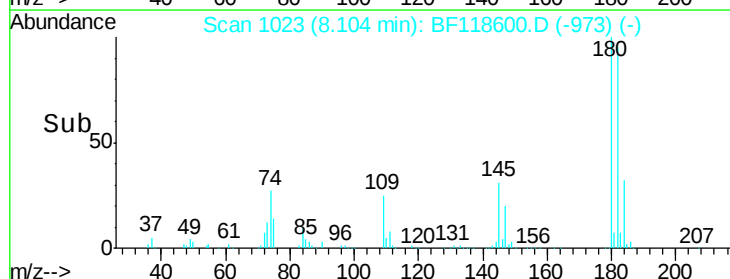
145 30.6 22.8 34.2

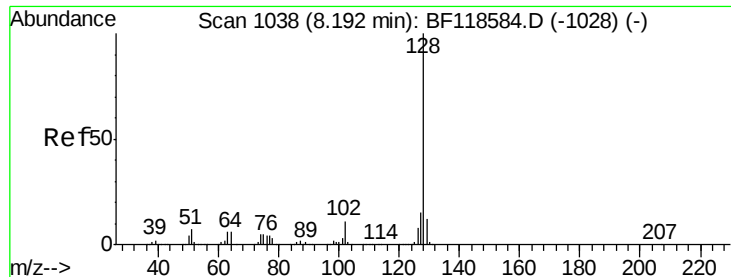


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





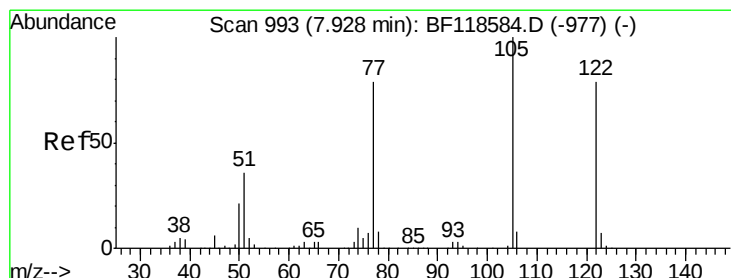
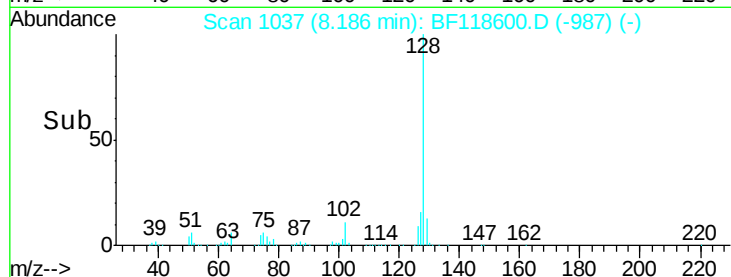
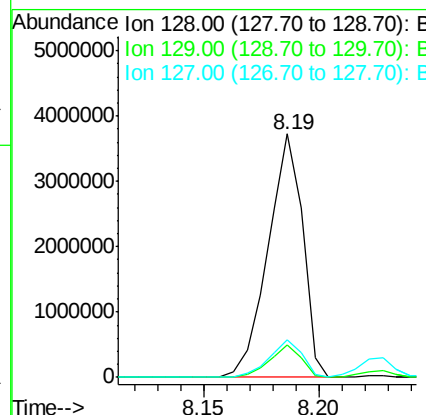
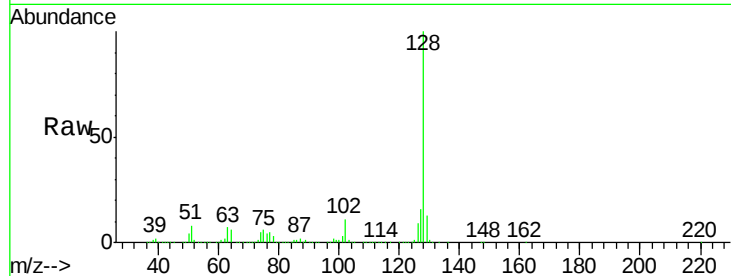
#31
Naphthalene
Concen: 45.784 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.4	9.9	14.9
127	15.7	12.0	18.0

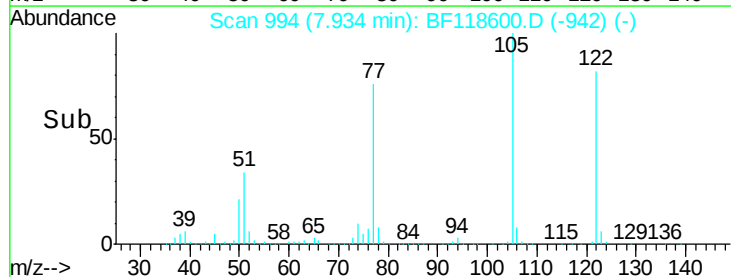
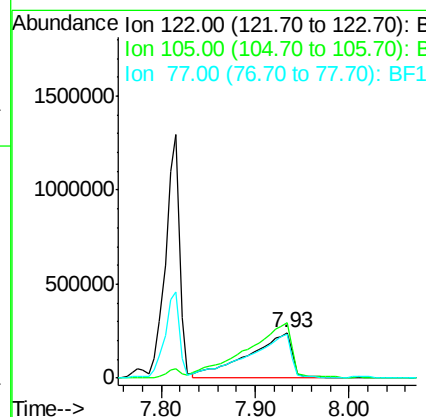
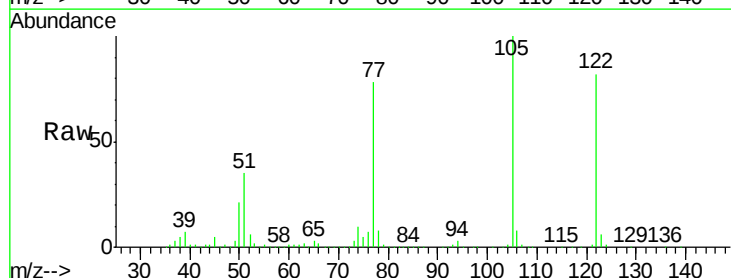
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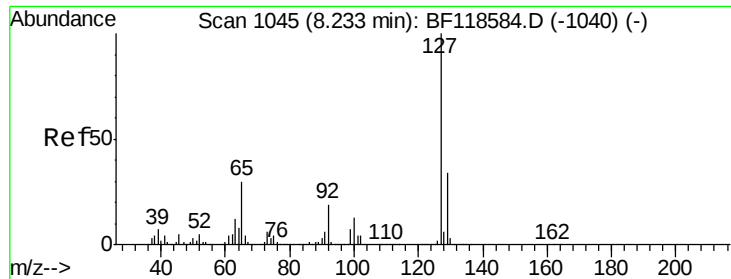
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#32
Benzoic acid
Concen: 40.959 ng
RT: 7.93 min Scan# 994
Delta R.T. 0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.2	104.3	144.3
77	95.0	79.4	119.4





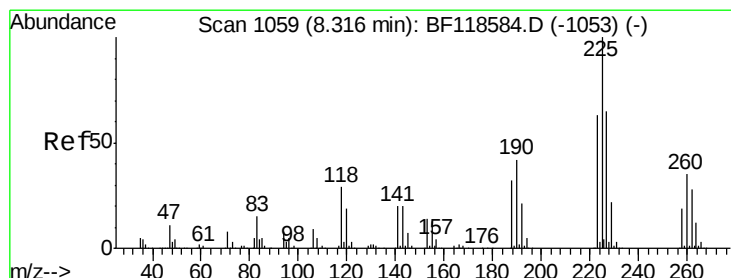
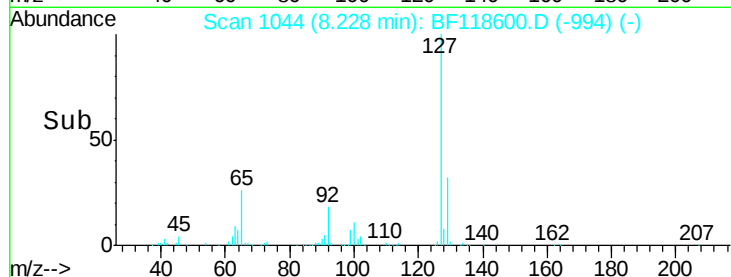
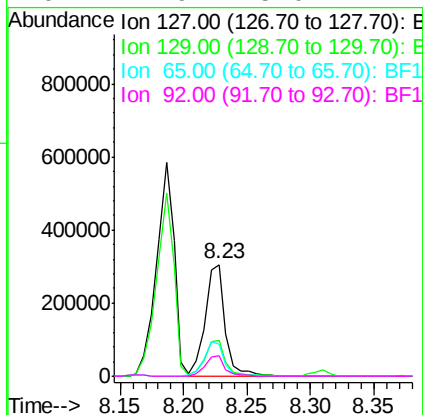
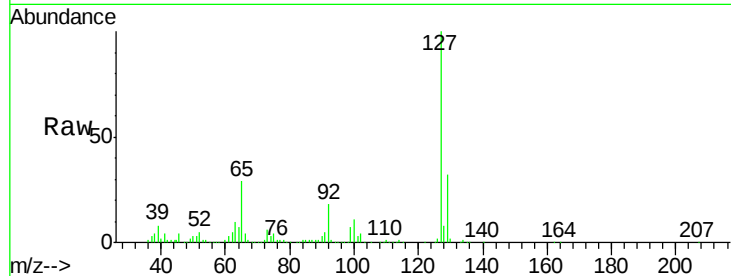
#33
4-Chloroaniline
Concen: 8.599 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	27.4	41.0		
65	29.2	23.6	35.4		
92	17.9	15.0	22.4		

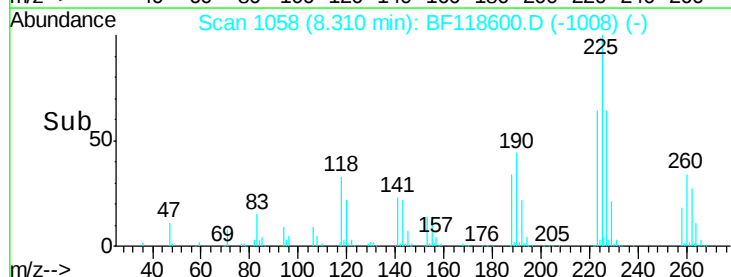
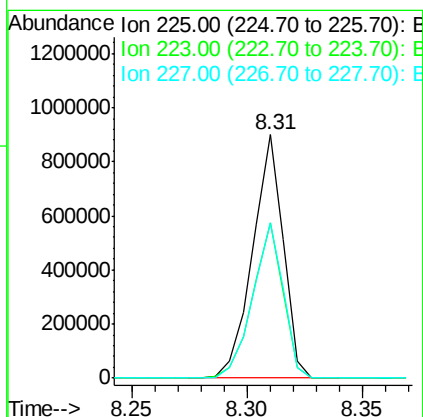
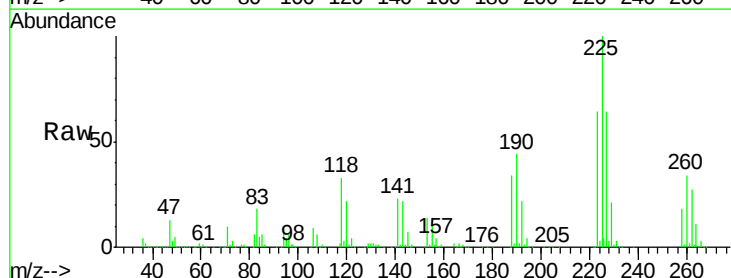
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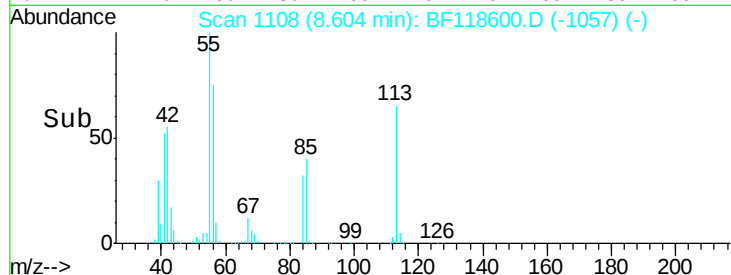
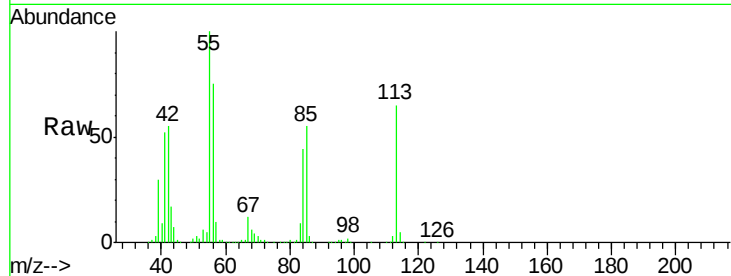
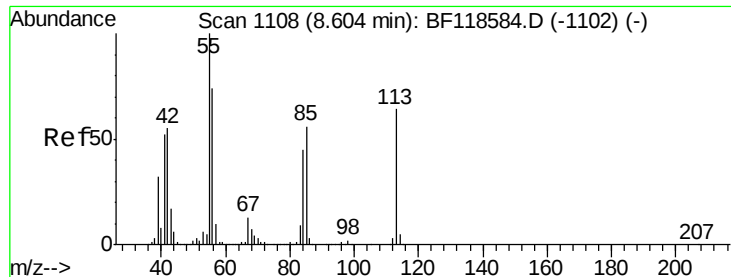
mohammad
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#34
Hexachlorobutadiene
Concen: 42.250 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.7	50.2	75.4		
227	63.7	52.1	78.1		





#35

Caprolactam

Concen: 44.253 ng/ml

RT: 8.60 min Scan# 1108

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Tot Ion:	113	Resp:	404449
Ion Ratio	Lower	Upper	
113	100		
55	153.4	136.1	176.1
56	114.3	95.2	135.2

Instrument :

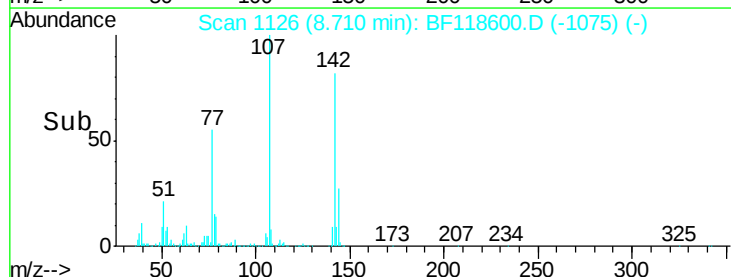
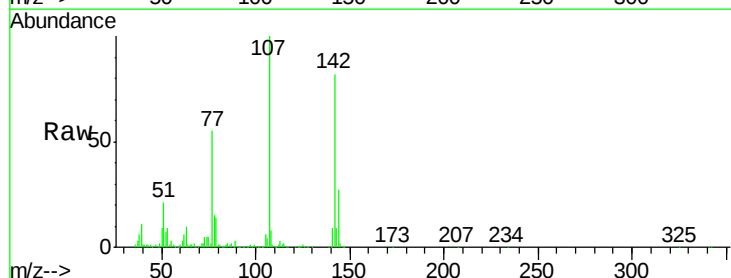
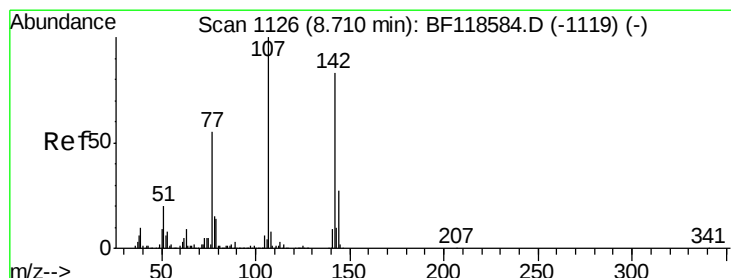
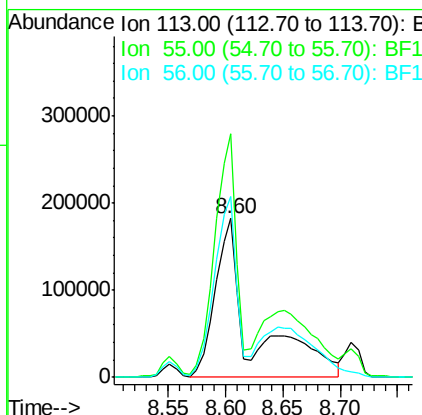
BNA_F

ClientSampleId :

93OAK-AVE-COMPMSD

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#36

4-Chloro-3-methylphenol

Concen: 46.473 ng/ml

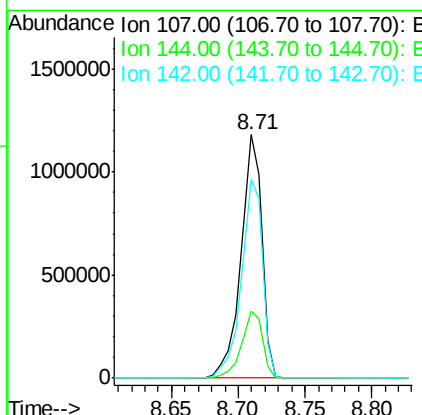
RT: 8.71 min Scan# 1126

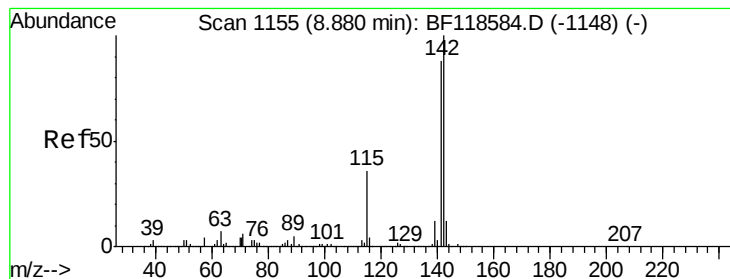
Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Tgt Ion:	107	Resp:	1281674
Ion Ratio	Lower	Upper	
107	100		
144	27.4	21.8	32.8
142	81.9	66.5	99.7





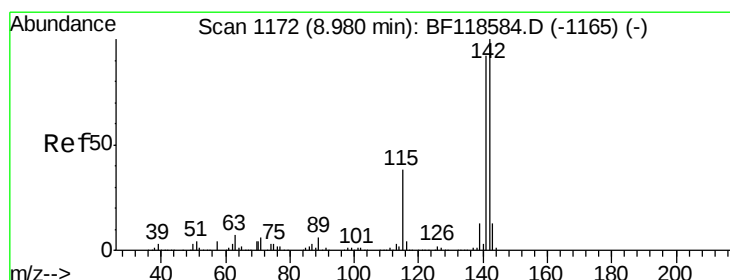
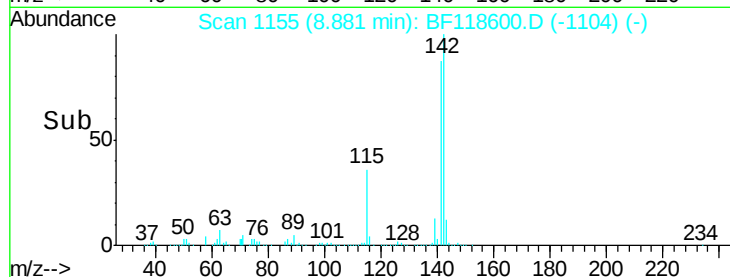
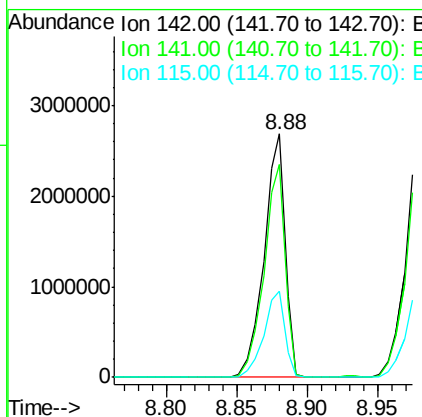
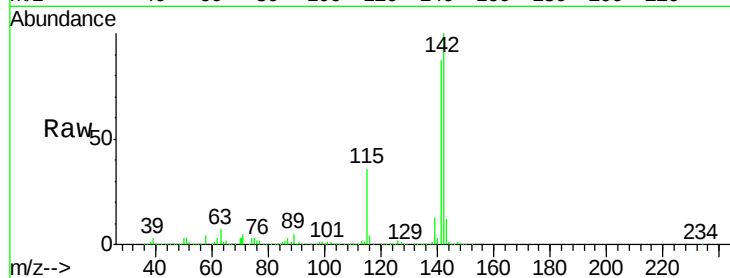
#37
2-Methylnaphthalene
Concen: 47.308 ng
RT: 8.88 min Scan# 1155
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.7	106.1
115	35.6	28.5	42.7

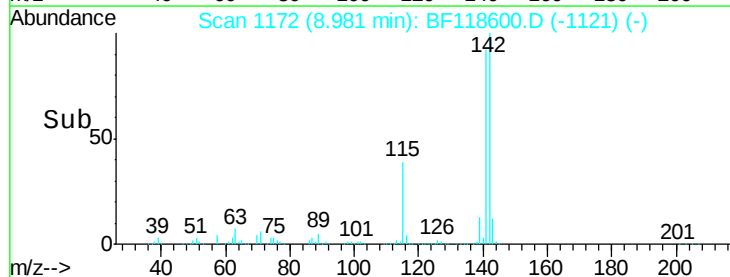
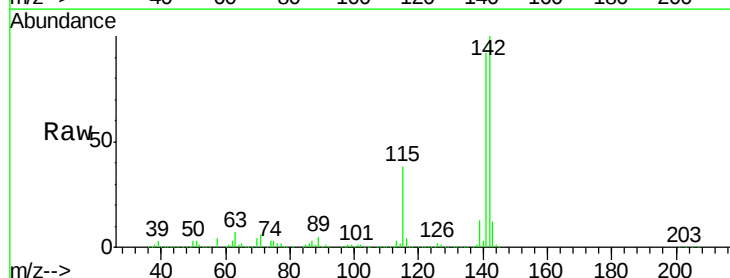
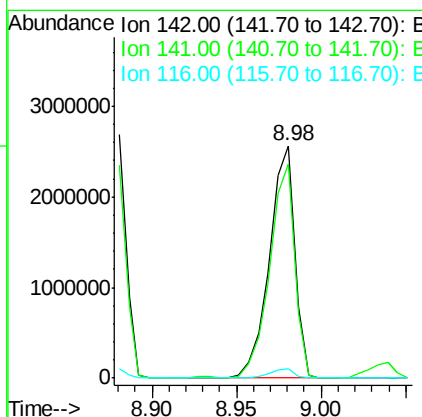
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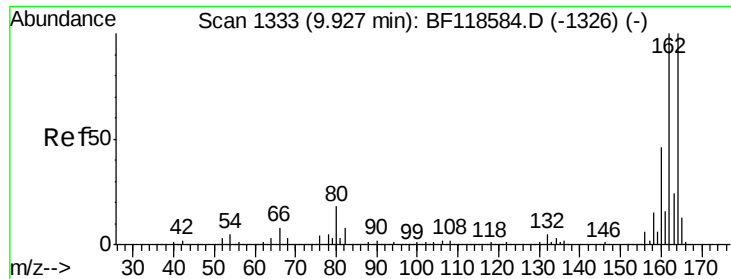
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#38
1-Methylnaphthalene
Concen: 46.375 ng
RT: 8.98 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.4	110.2
116	4.0	3.3	4.9





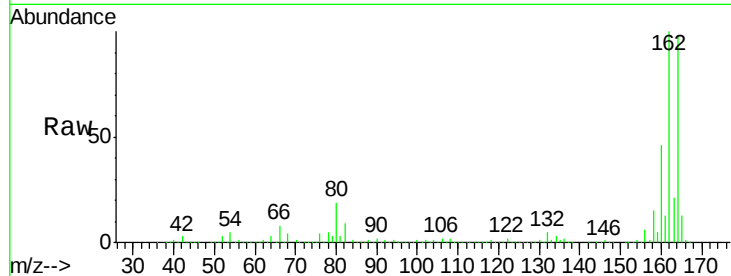
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

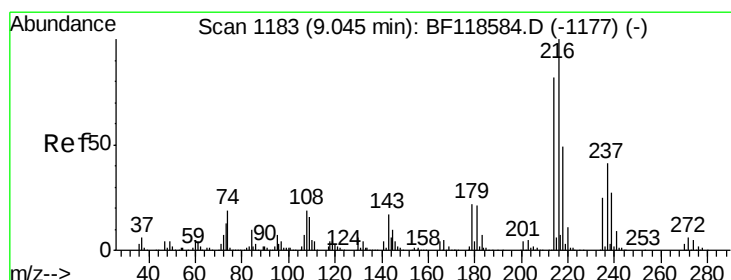
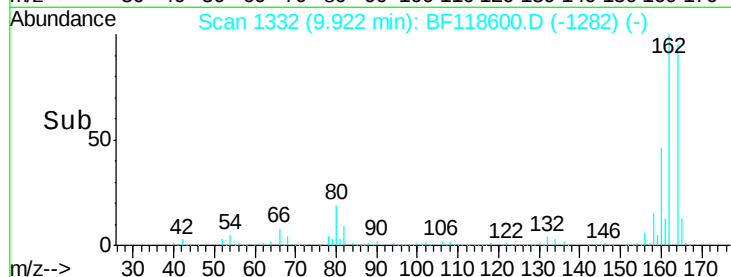
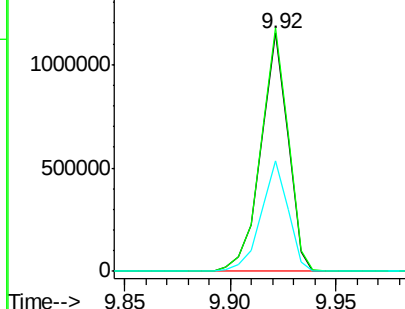
Tot Ion:164 Resp: 1036873
Ion Ratio Lower Upper
164 100
162 102.3 80.4 120.6
160 46.7 36.6 55.0

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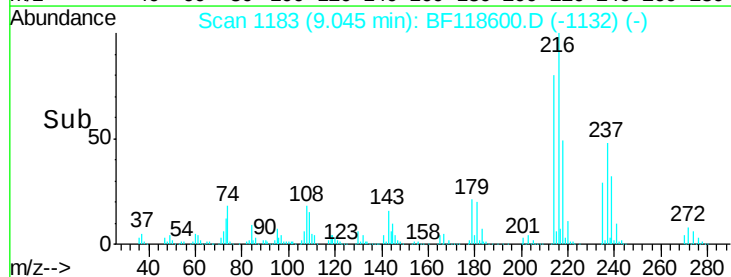
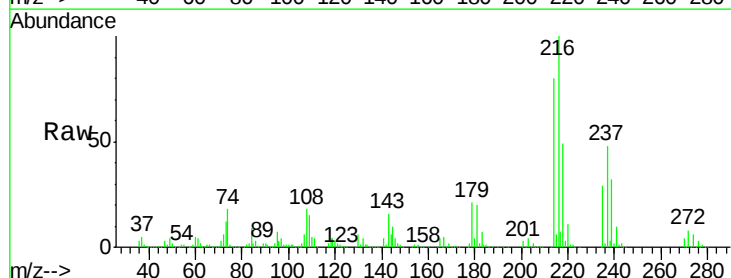
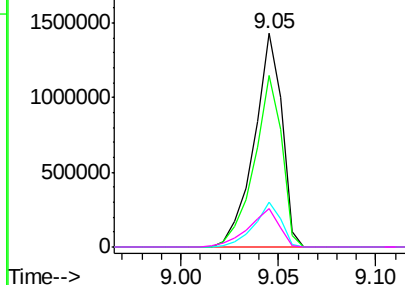
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

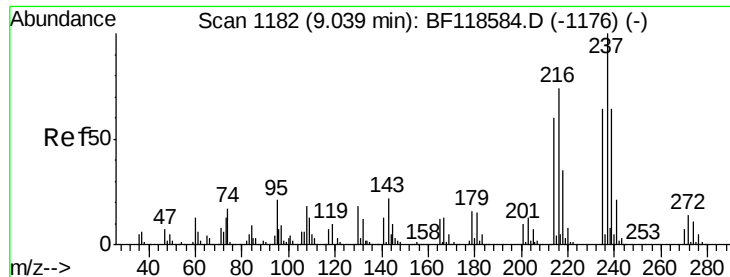


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.380 ng
RT: 9.05 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion:216 Resp: 1407382
Ion Ratio Lower Upper
216 100
214 79.5 64.2 96.2
179 20.2 16.6 25.0
108 19.5 14.4 21.6

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 95.473 ng

RT: 9.04 min Scan# 1182

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

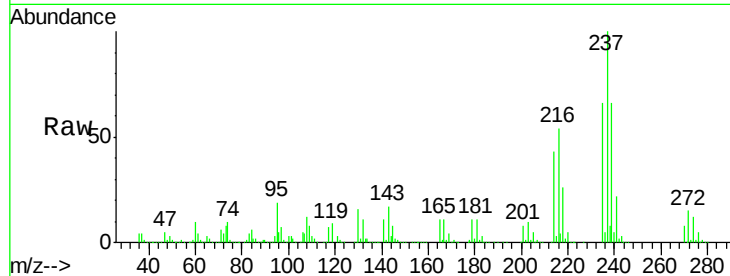
ClientSampleId :

93OAK-AVE-COMPMSSD

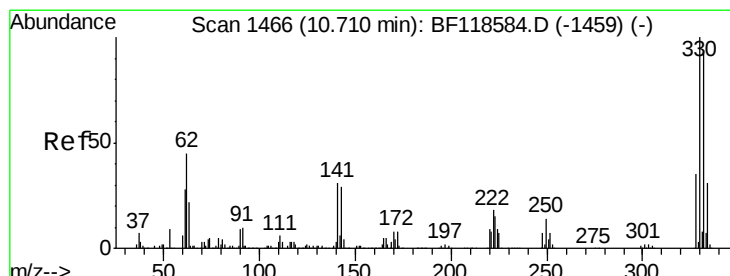
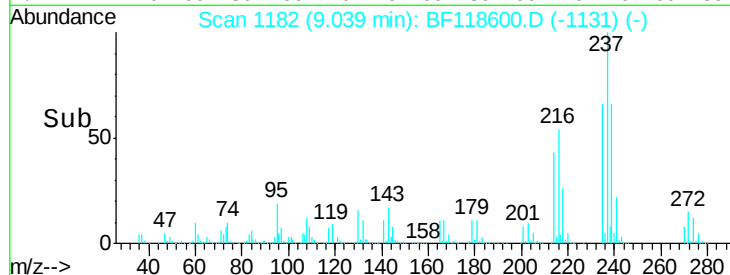
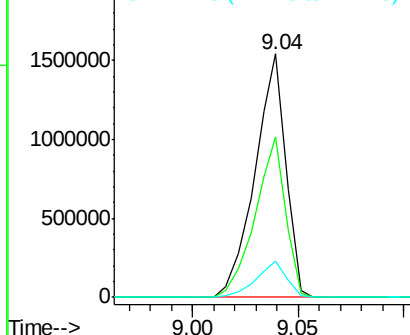
Tot Ion:	237	Resp:	1562752
Ion Ratio	Lower	Upper	
237	100		
235	65.6	44.0	84.0
272	15.0	0.0	34.0

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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: 141.352 ng

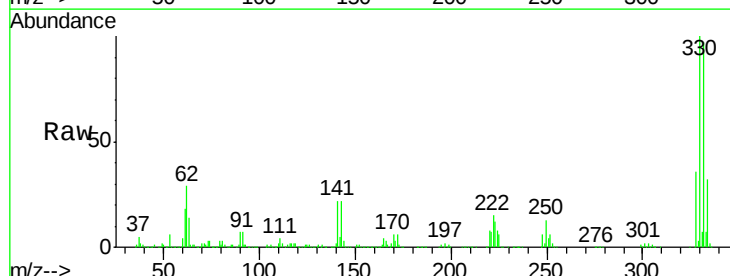
RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

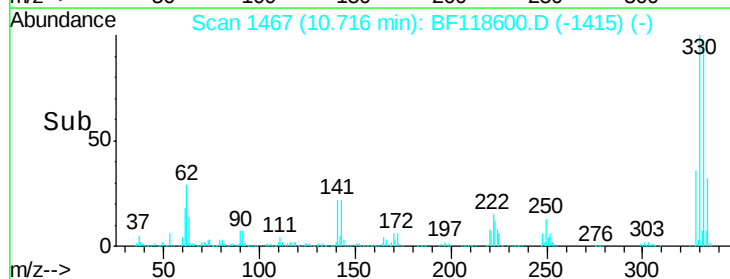
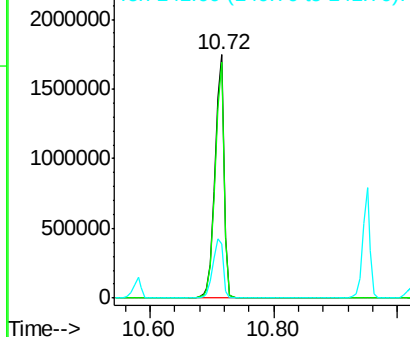
Lab File: BF118600.D

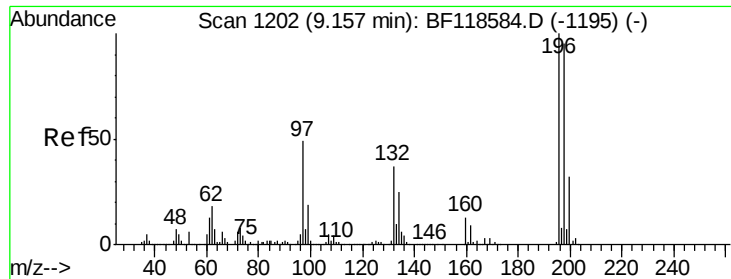
Acq: 20 Jan 2020 19:28

Tgt Ion:	330	Resp:	1695196
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.2	114.4
141	27.9	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





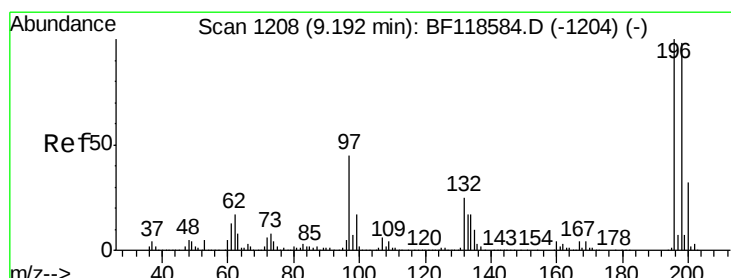
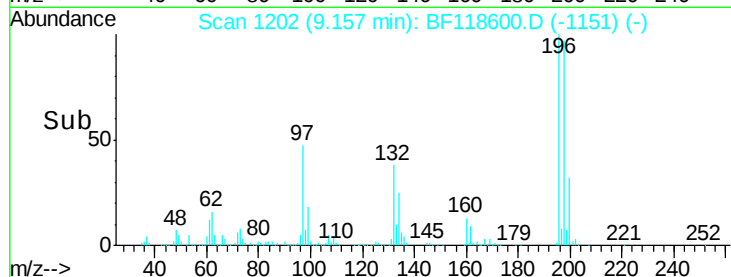
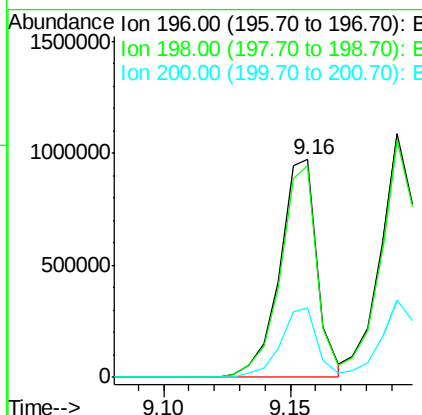
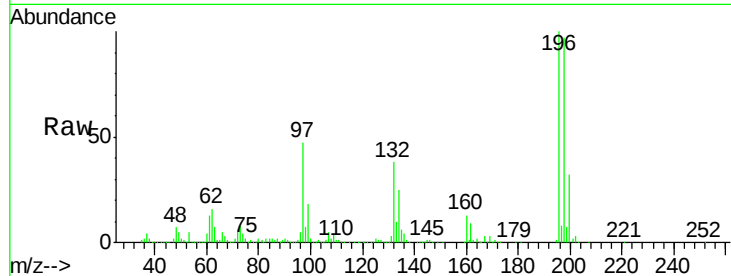
#43
 2,4,6-Trichlorophenol
 Concen: 46.600 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.3	114.5
200	31.9	25.4	38.2

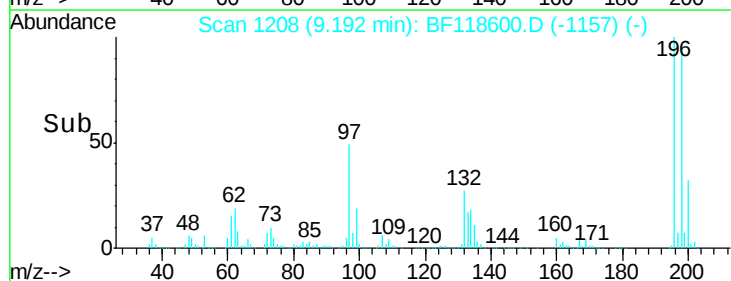
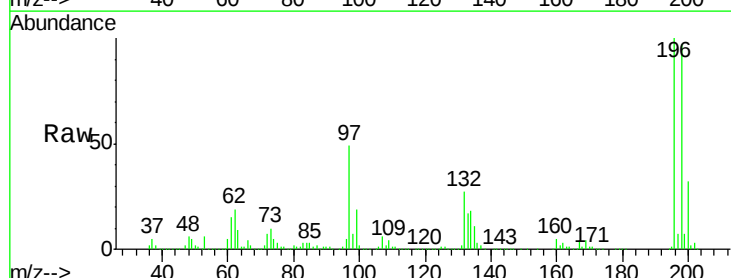
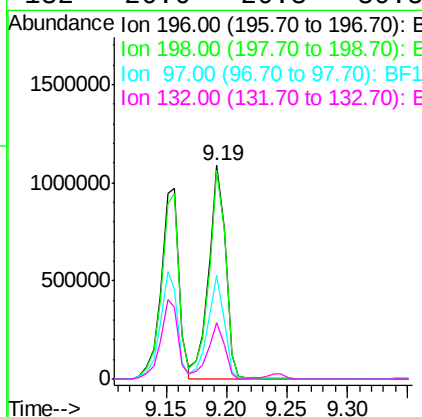
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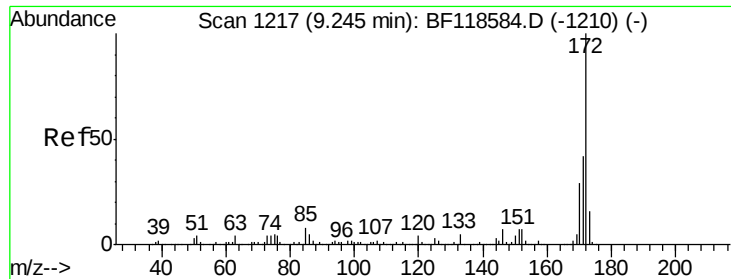
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#44
 2,4,5-Trichlorophenol
 Concen: 47.225 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.5	78.3	117.5
97	48.8	35.9	53.9
132	26.6	20.3	30.5





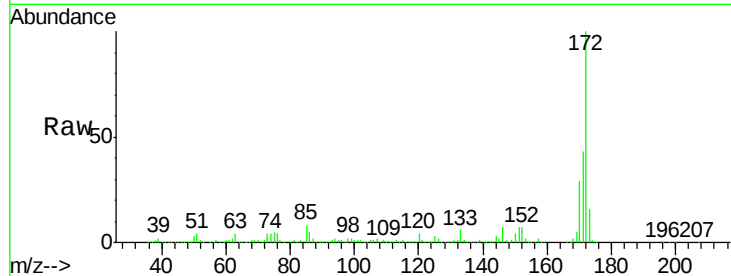
#45
2-Fluorobiphenyl
Concen: 84.888 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

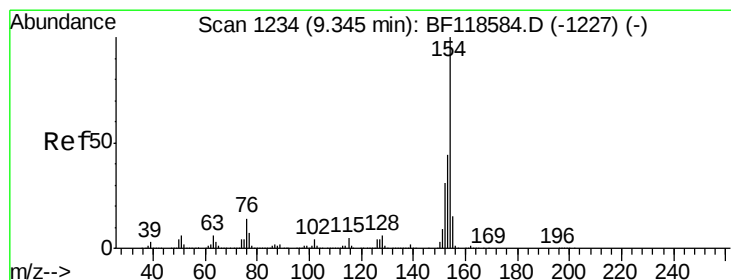
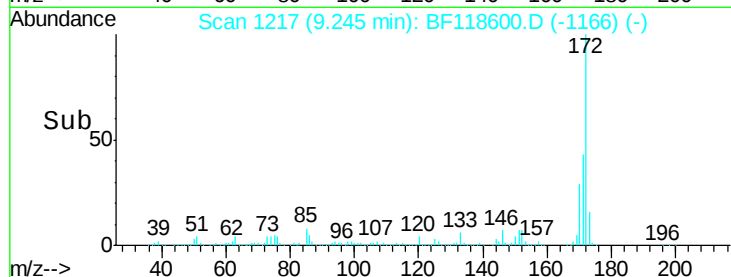
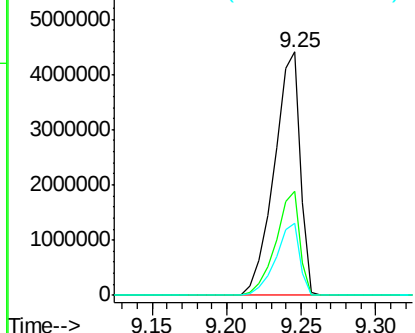
Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	43.0	33.4	50.2	
170	29.4	23.2	34.8	

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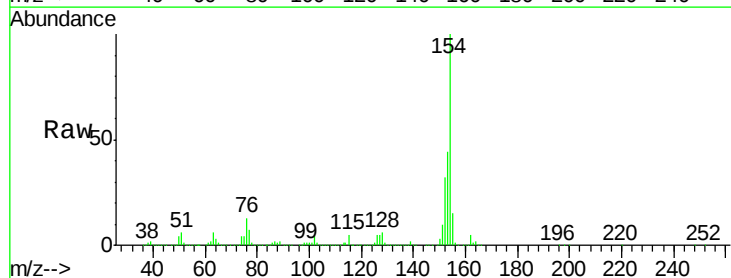


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

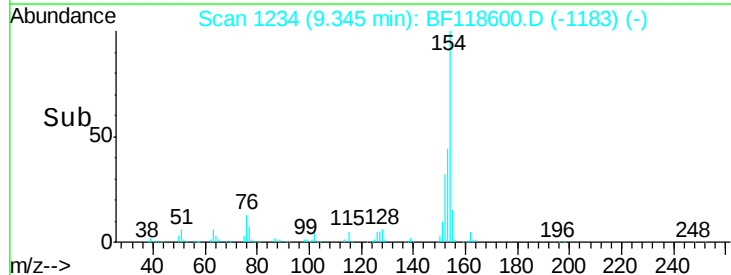
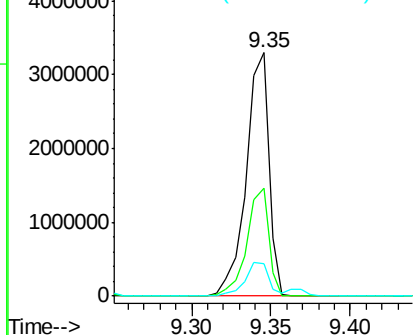


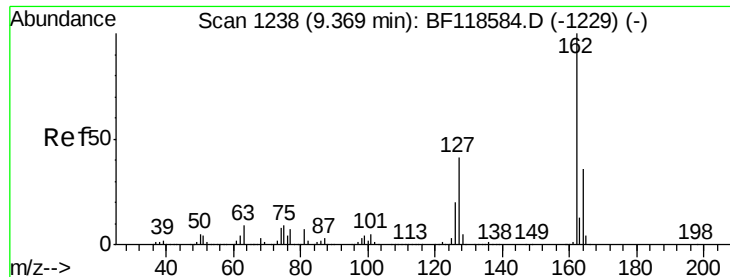
#46
1,1'-Biphenyl
Concen: 45.641 ng
RT: 9.35 min Scan# 1234
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	44.4	23.8	63.8	
76	13.5	0.0	34.3	



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





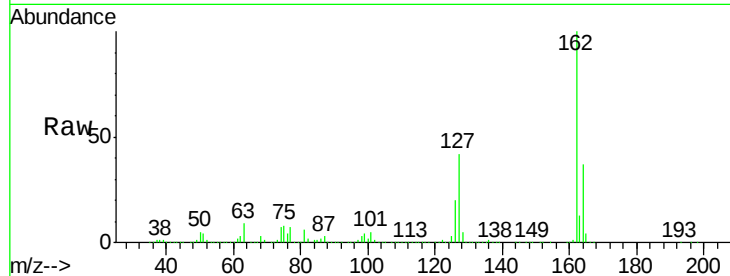
#47
 2-Chloronaphthalene
 Concen: 44.320 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

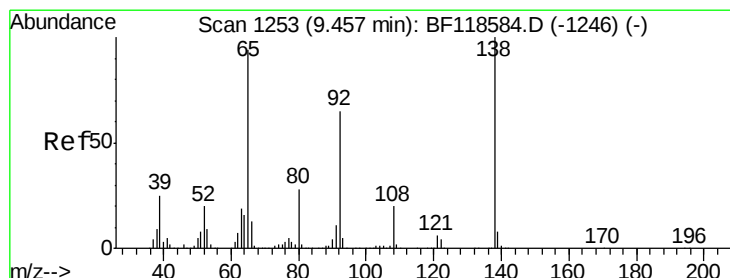
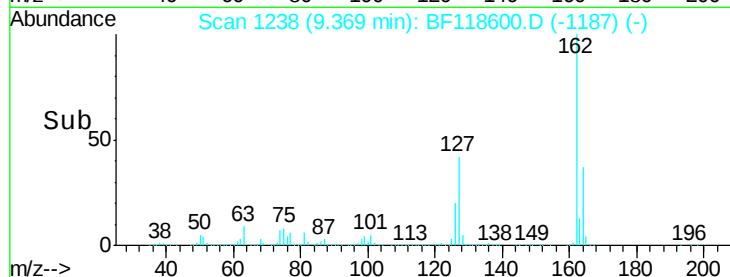
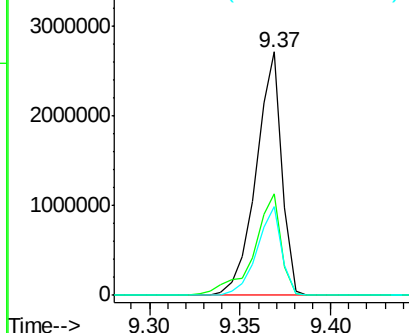
Tot Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.0	49.6
164	36.7	28.6	42.8

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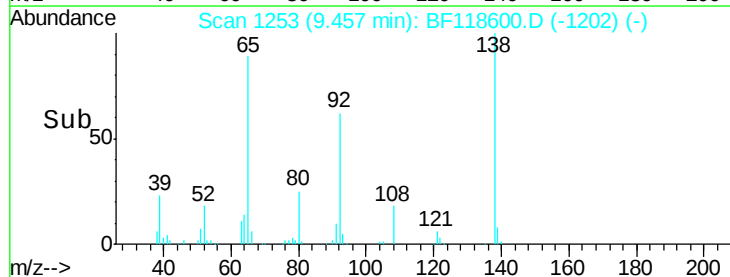
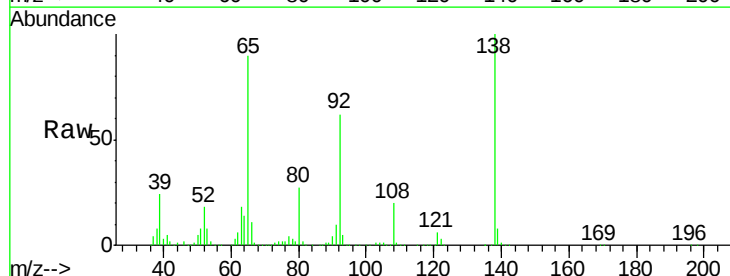
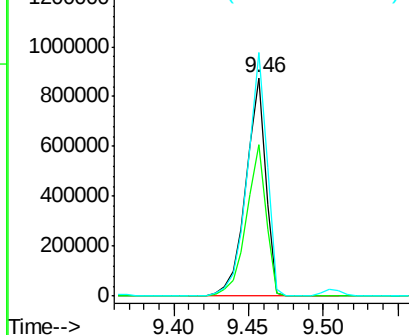
Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

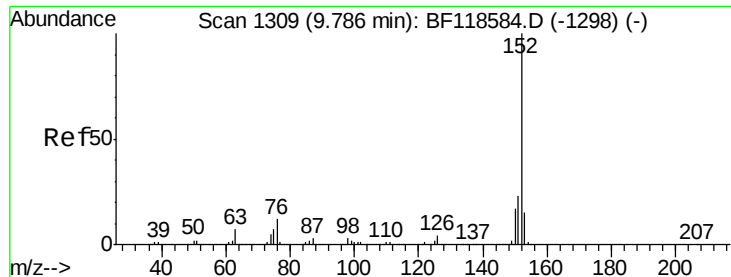


#48
 2-Nitroaniline
 Concen: 43.461 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
65	100		
92	69.2	55.4	83.0
138	111.7	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





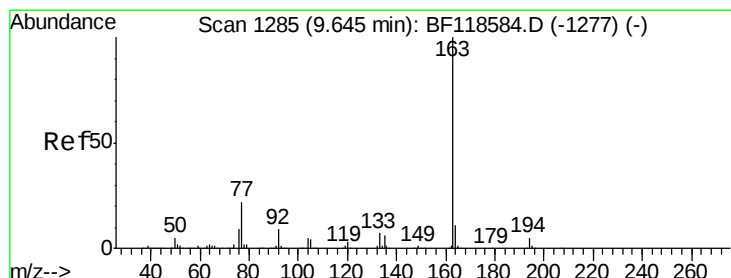
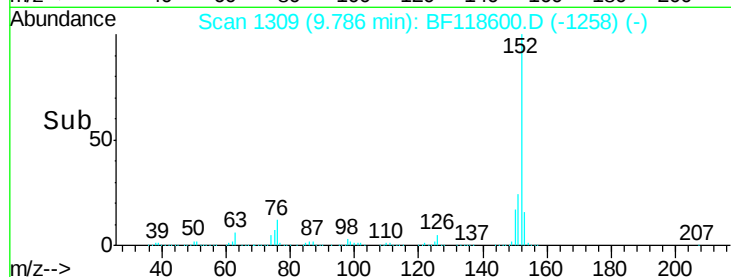
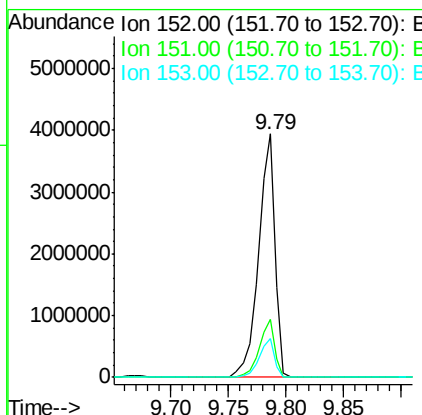
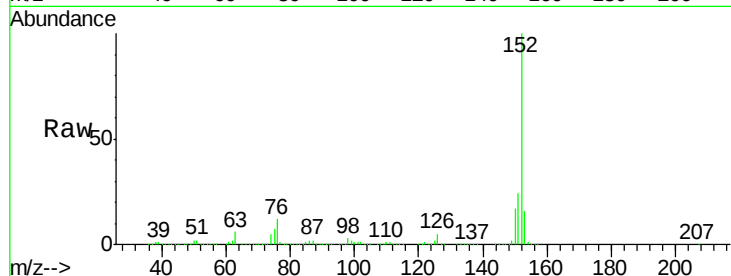
#49
Acenaphthylene
Concen: 46.142 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	24.0	18.6	27.8
153	15.8	12.2	18.4

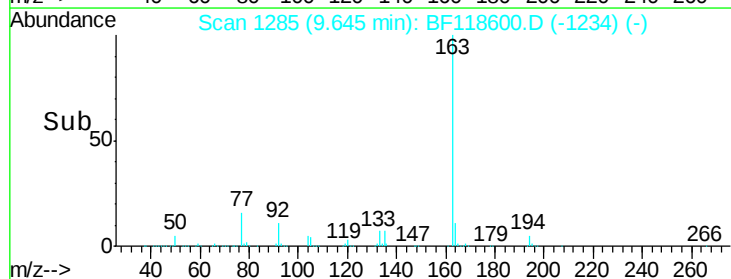
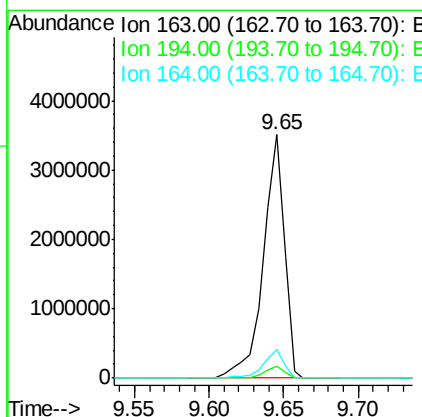
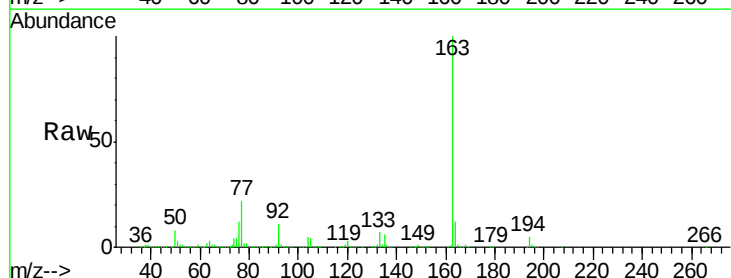
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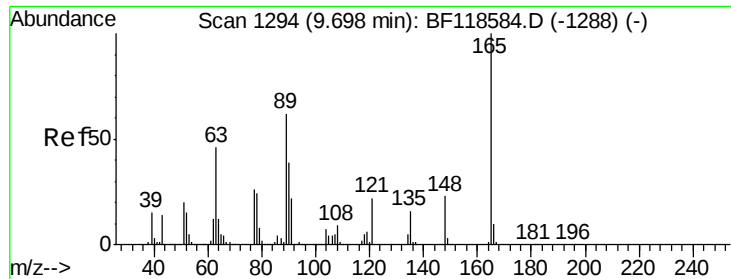
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#50
Dimethylphthalate
Concen: 50.309 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.9	5.9
164	11.9	9.1	13.7





#51

2,6-Dinitrotoluene

Concen: 47.873 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

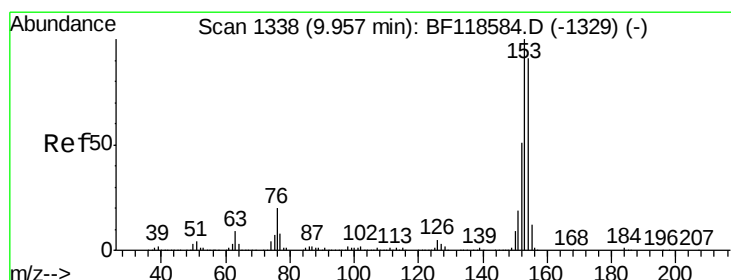
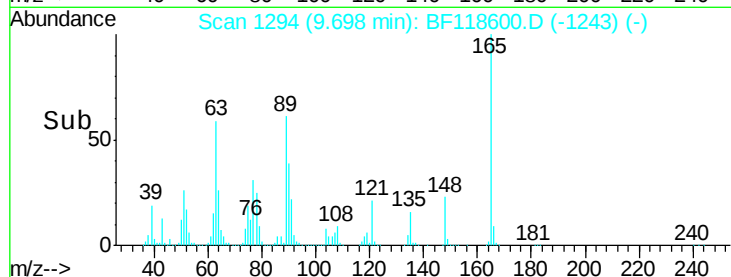
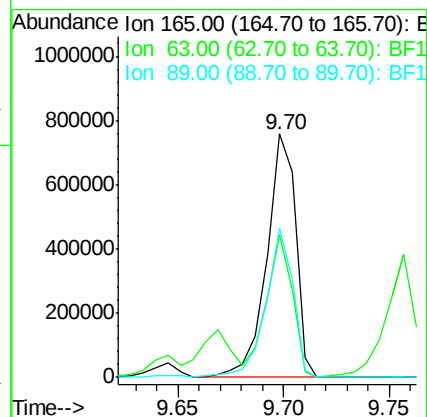
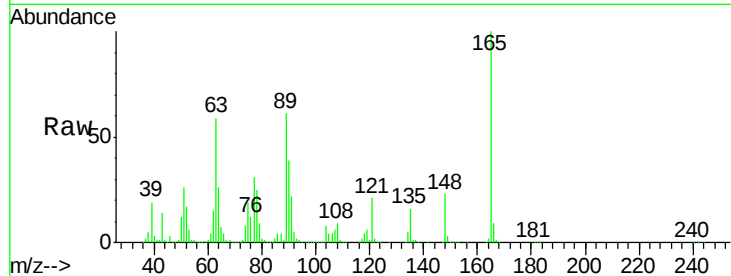
ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:	165	Resp:	724185
Ion Ratio	Lower	Upper	
165	100		
63	58.6	48.9	73.3
89	61.1	49.8	74.6

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#52

Acenaphthene

Concen: 47.505 ng

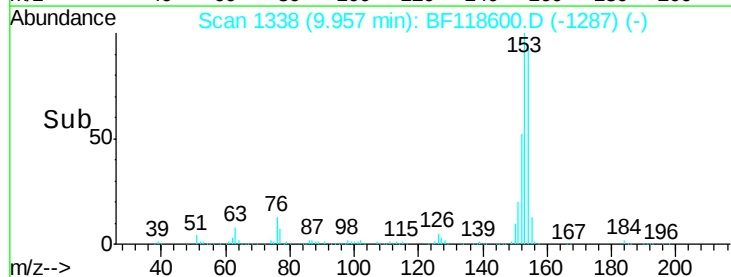
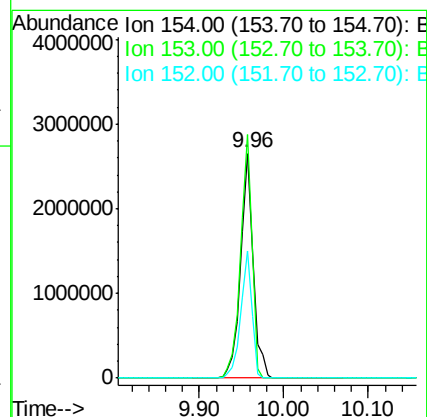
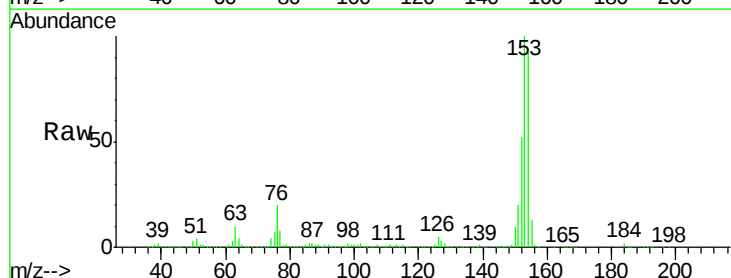
RT: 9.96 min Scan# 1338

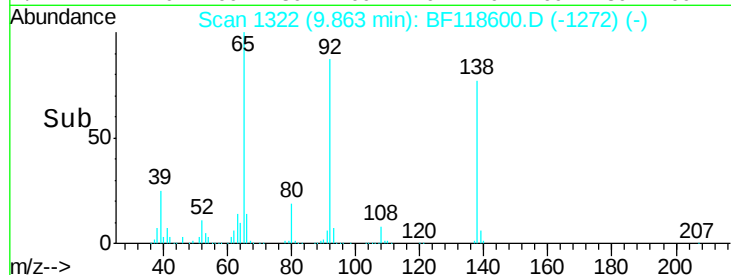
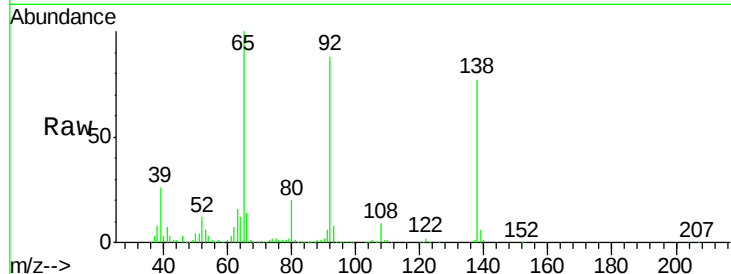
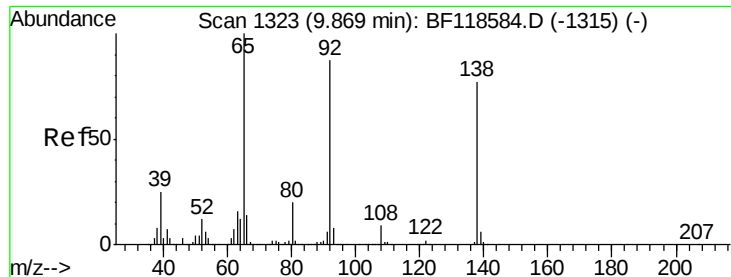
Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Tgt Ion:	154	Resp:	2691664
Ion Ratio	Lower	Upper	
154	100		
153	108.2	87.6	131.4
152	56.4	44.4	66.6





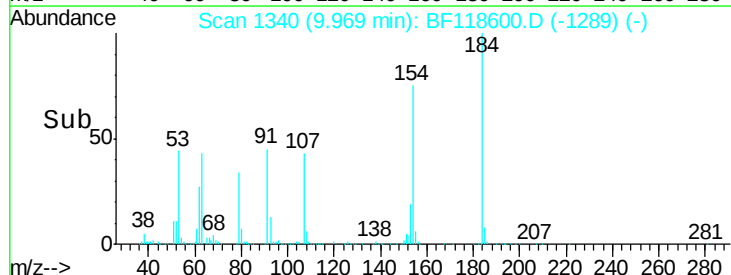
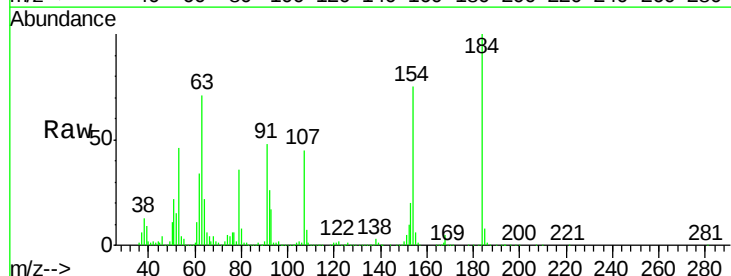
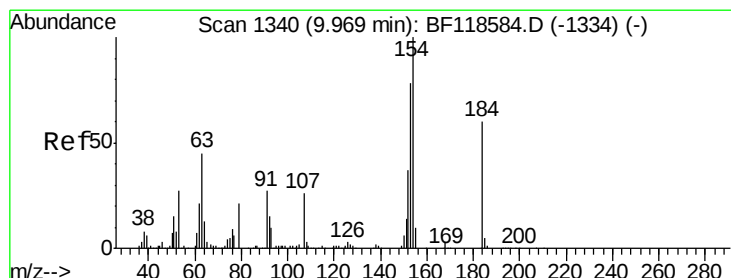
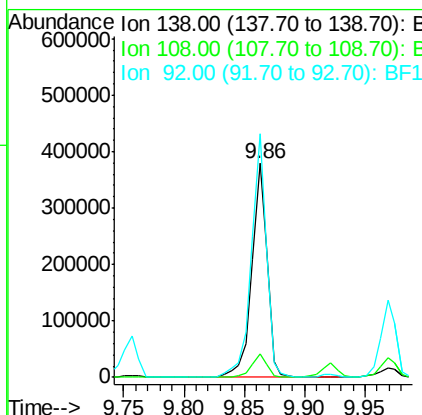
#53
3-Nitroaniline
Concen: 19.536 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tot Ion	Ratio	Resp	Lower	Upper
138	100	337456		
108	11.1	9.6	14.4	
92	113.9	90.6	136.0	

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

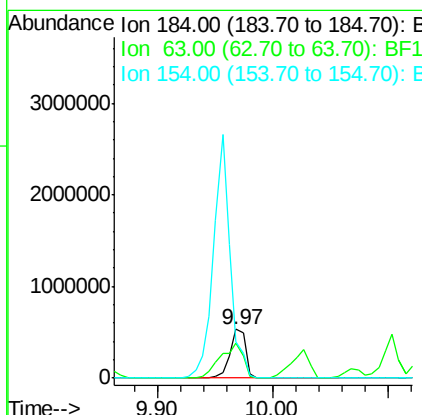
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#54
2,4-Dinitrophenol
Concen: 83.161 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	502219		
63	70.5	60.6	90.8	
154	75.5	137.3	205.9#	





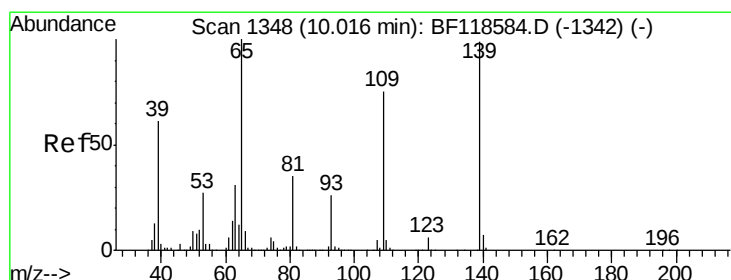
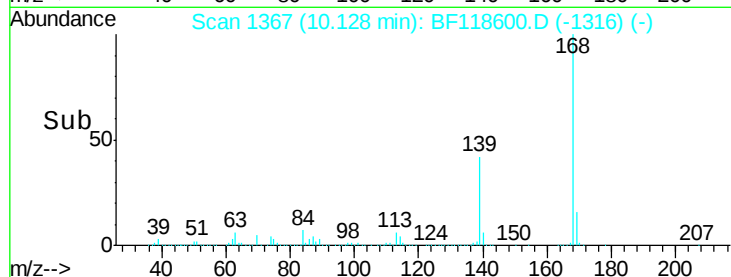
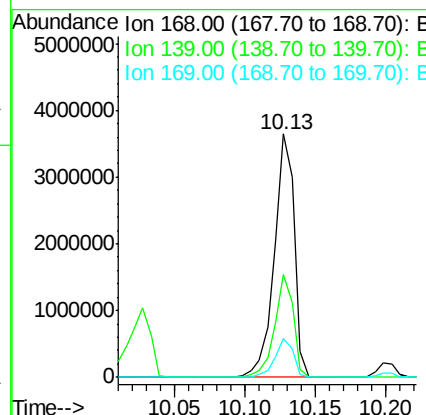
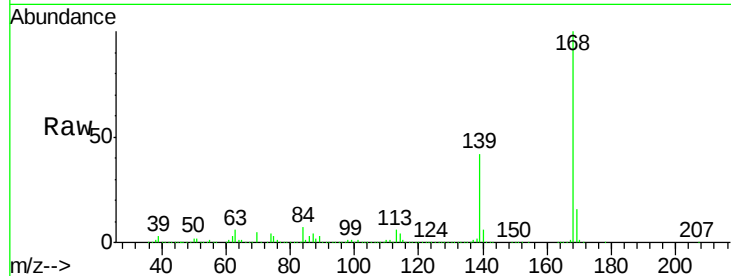
#55
Dibenzenofuran
Concen: 46.013 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
139	42.3	32.7	49.1	
169	16.2	12.2	18.2	

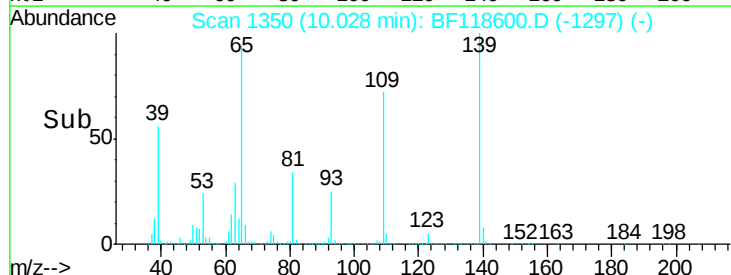
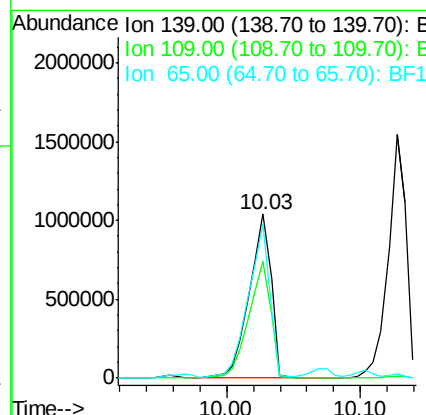
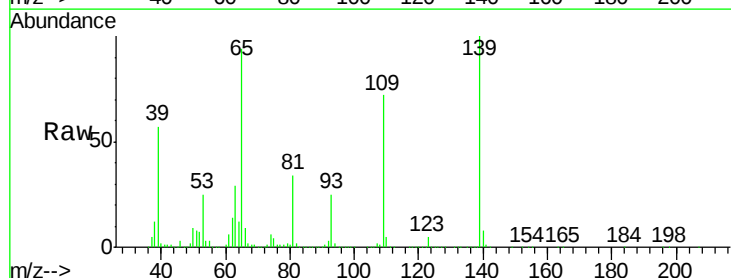
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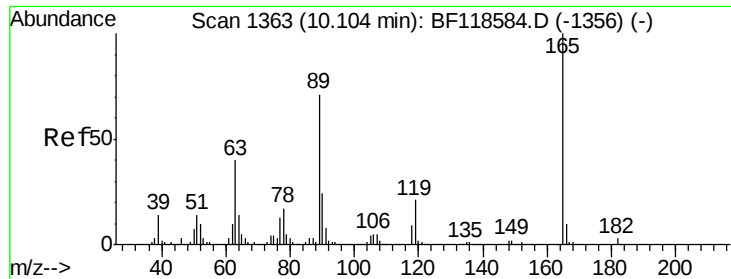
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#56
4-Nitrophenol
Concen: 88.755 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ion	Ratio	Lower	Upper
139	100			
109	71.6	56.0	96.0	
65	94.0	81.4	121.4	





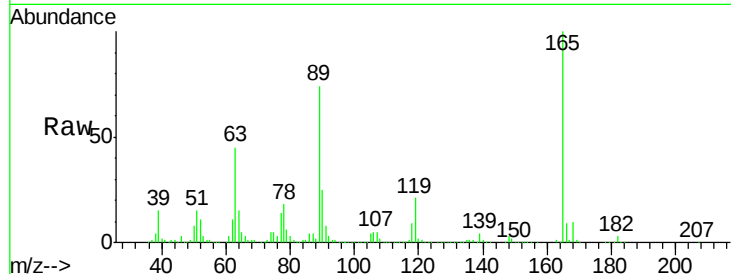
#57
2,4-Dinitrotoluene
Concen: 48.888 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	932286		
63	44.9	32.4	48.6	
89	73.6	56.4	84.6	
182	2.9	2.3	3.5	

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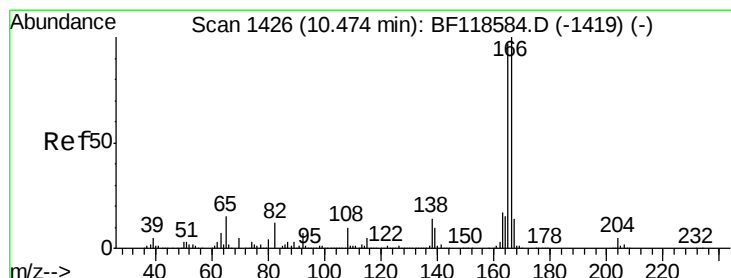
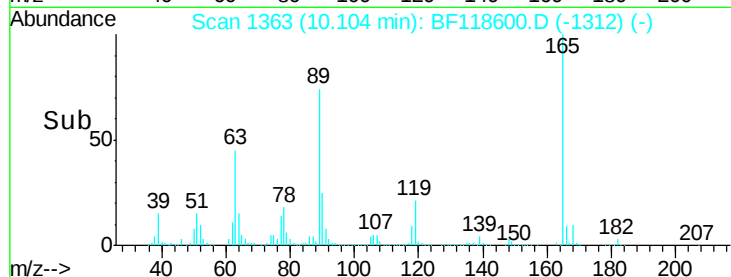
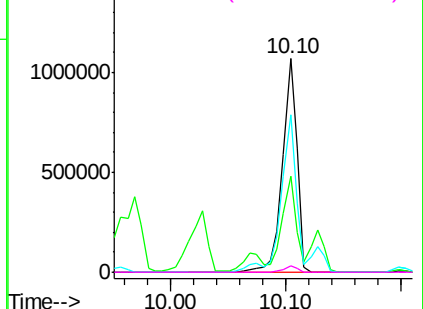


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

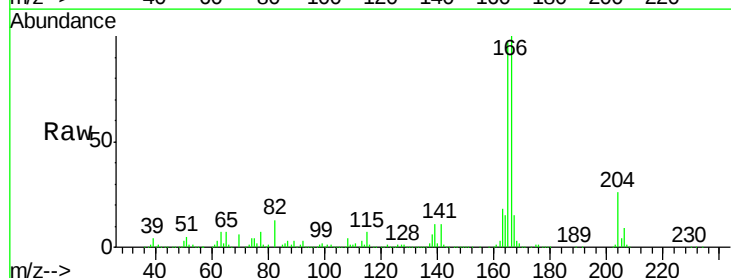
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 45.066 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

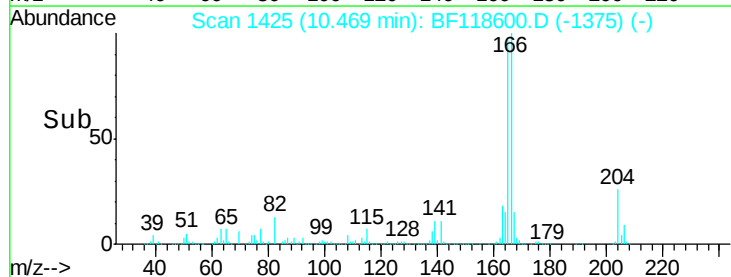
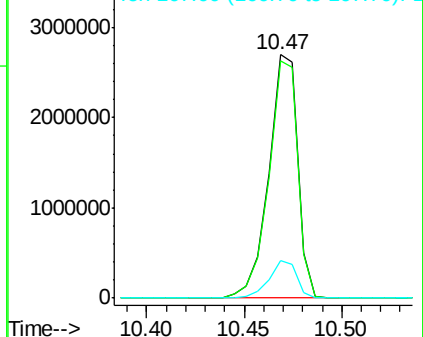
Tgt Ion	Ratio	Resp	Lower	Upper
166	100	2777993		
165	97.2	77.3	115.9	
167	15.3	11.5	17.3	

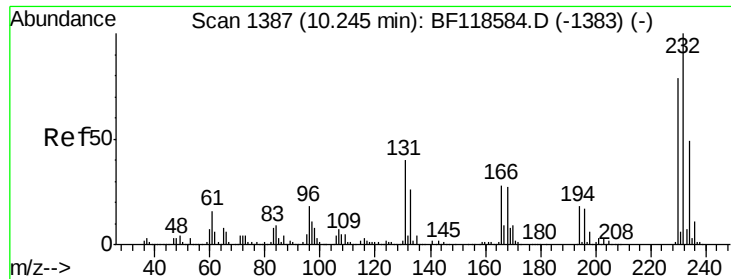


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





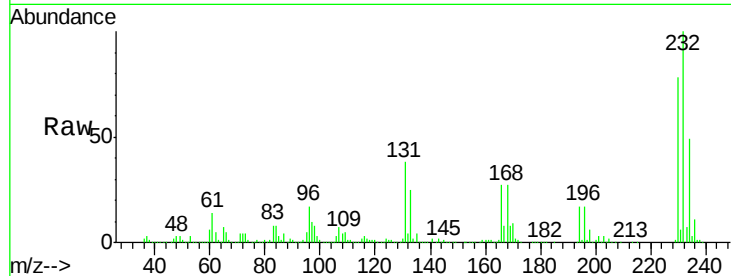
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.482 ng
RT: 10.25 min Scan# 1387
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

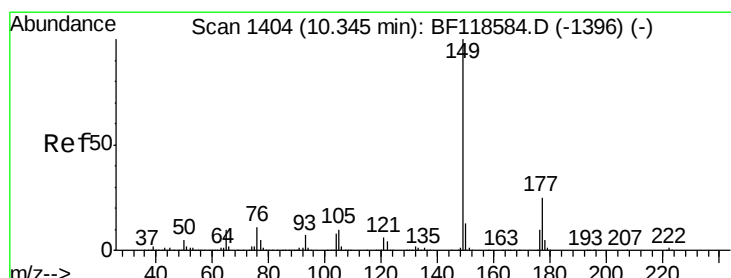
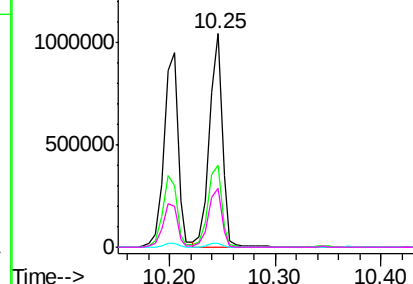
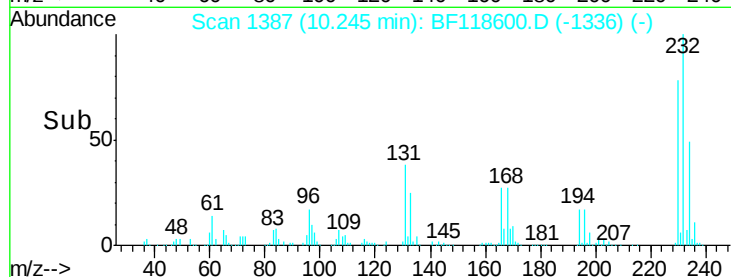
Tot Ion	Ratio	Lower	Upper
232	100		
131	41.4	33.2	49.8
130	2.1	1.8	2.6
166	28.7	22.6	33.8

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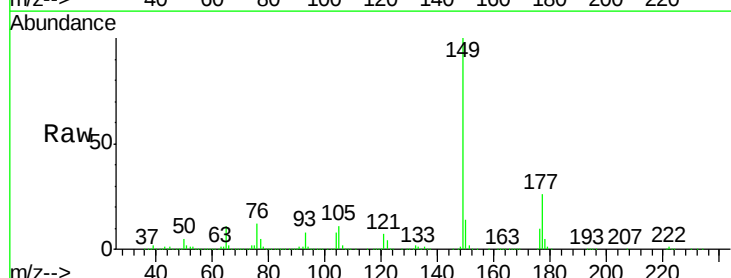


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

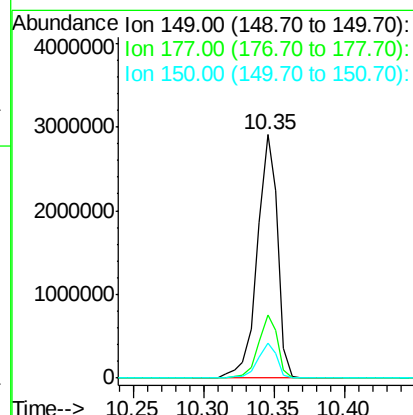
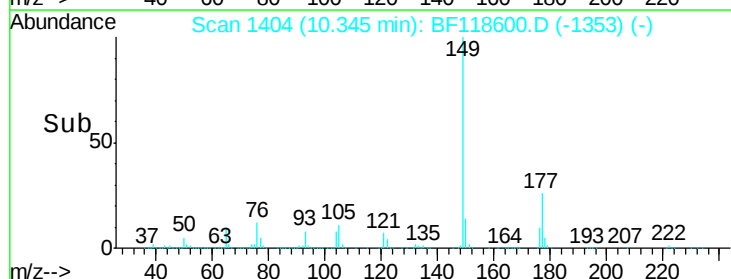


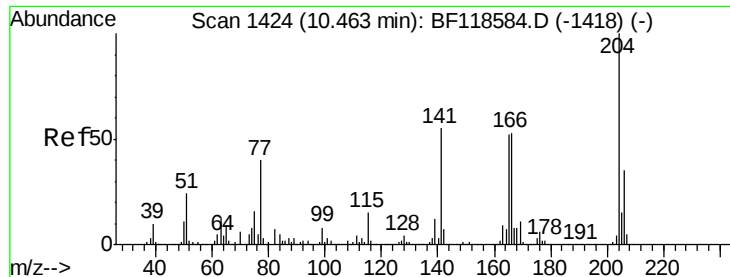
#60
Diethylphthalate
Concen: 44.841 ng
RT: 10.35 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
149	100		
177	25.8	20.0	30.0
150	14.2	10.6	16.0



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





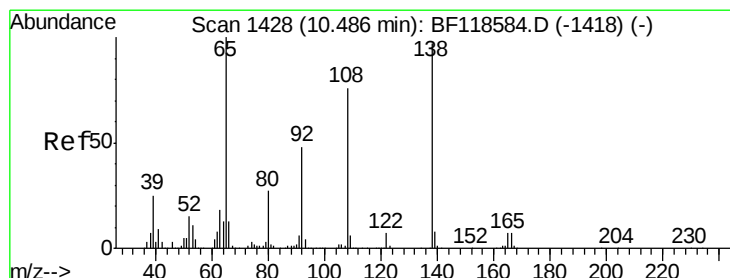
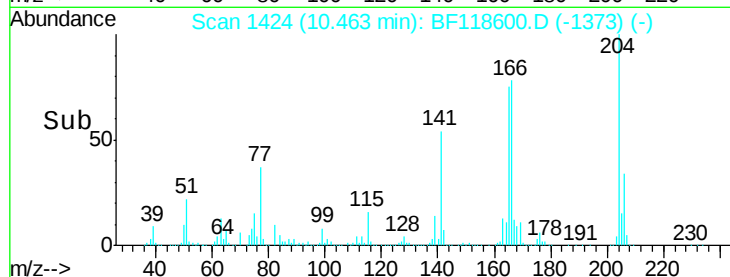
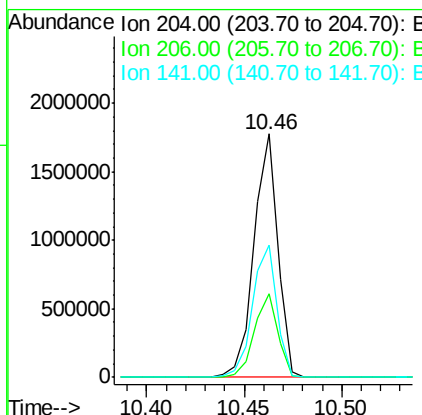
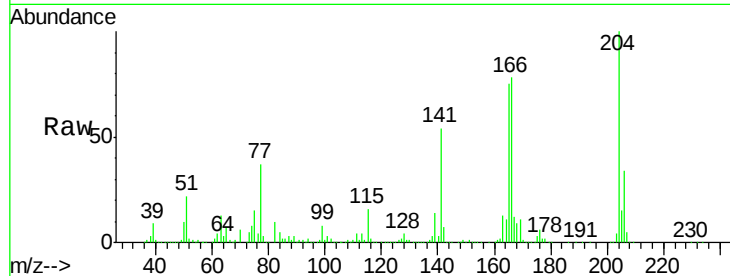
#61
4-Chlorophenyl-phenylether
Concen: 44.904 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion:204 Resp: 1505459
Ion Ratio Lower Upper
204 100
206 34.5 27.8 41.6
141 54.5 43.7 65.5

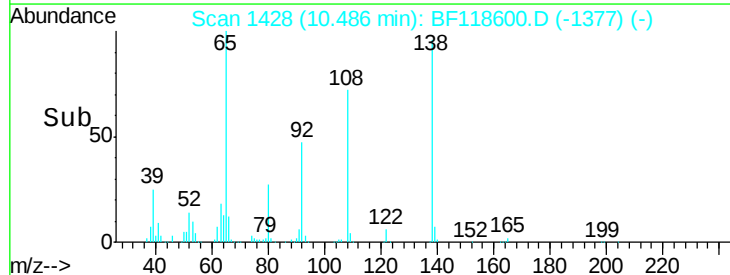
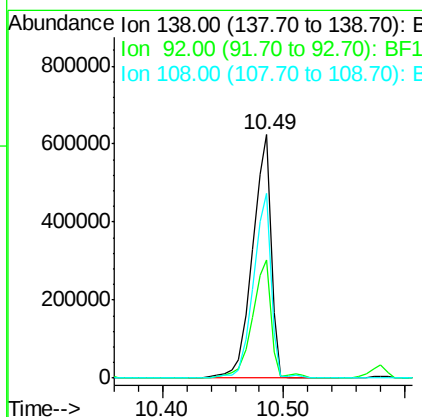
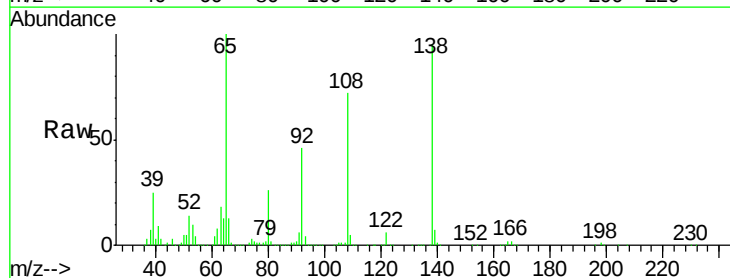
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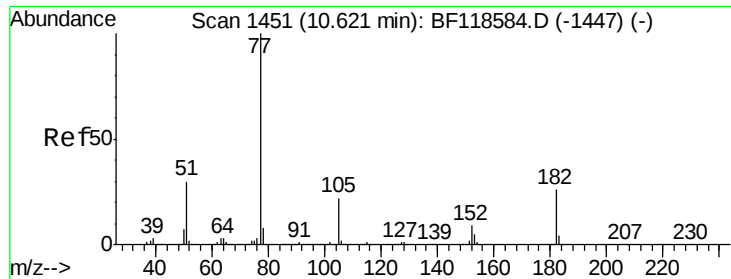
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#62
4-Nitroaniline
Concen: 38.172 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion:138 Resp: 676332
Ion Ratio Lower Upper
138 100
92 48.7 29.4 69.4
108 76.0 58.2 98.2





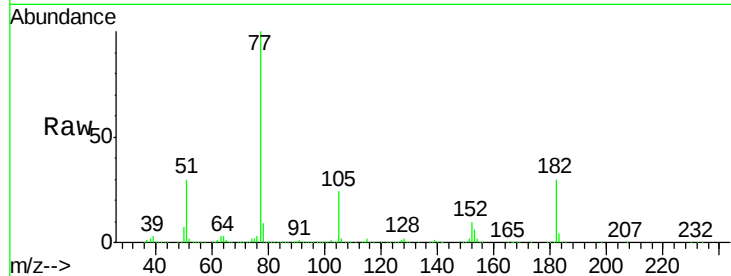
#63
Azobenzene
Concen: 45.756 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	30.1	5.6	45.6
105	23.7	2.0	42.0
51	29.8	10.2	50.2

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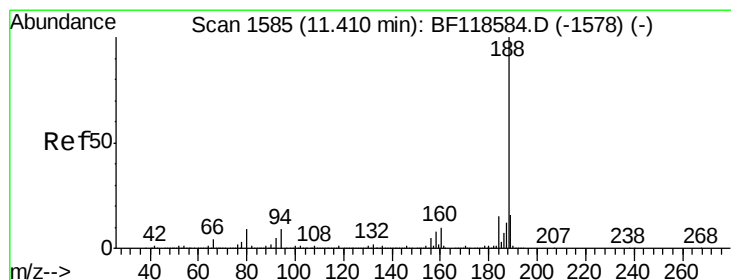
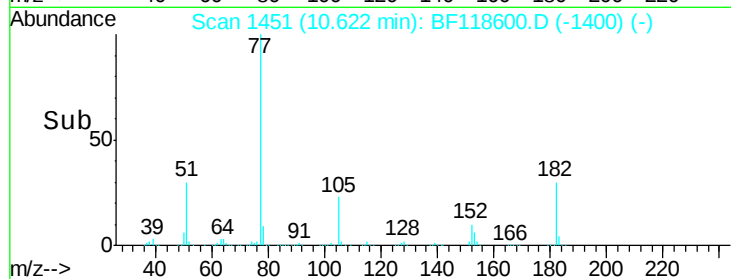
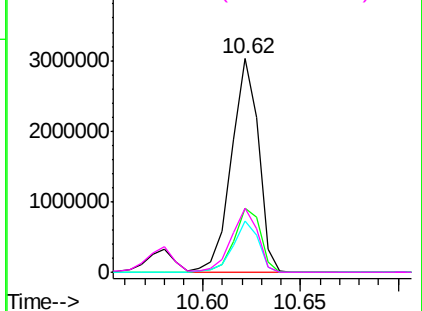


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

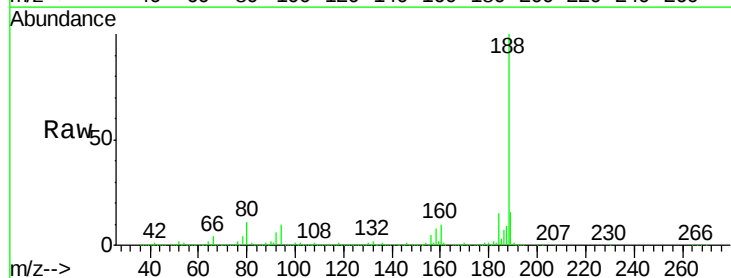
Ion 105.00 (104.70 to 105.70): E

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: BF118600.D
Acq: 20 Jan 2020 19:28

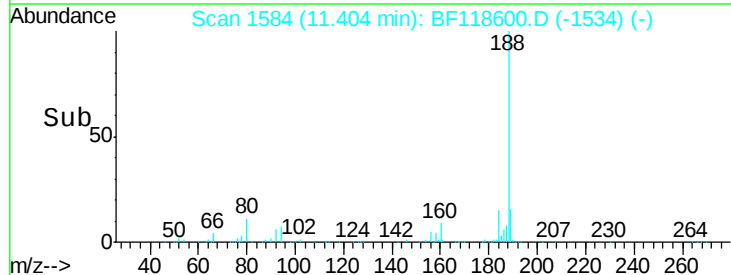
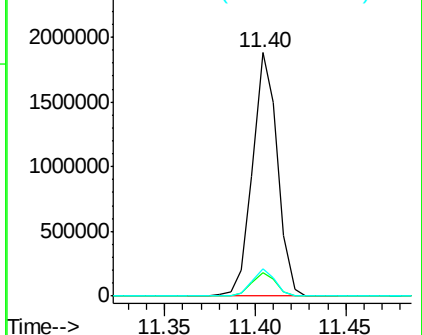
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.1	10.7
80	11.0	7.5	11.3



Abundance Ion 188.00 (187.70 to 188.70): E

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: 50.535 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

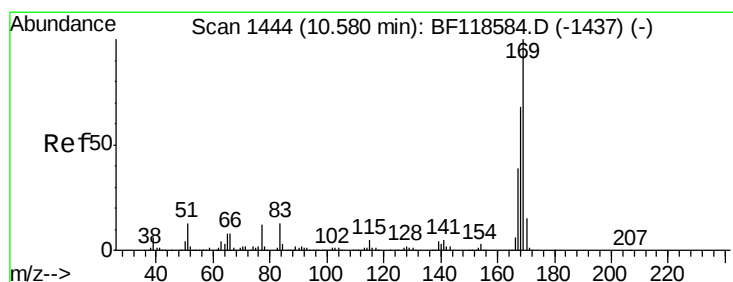
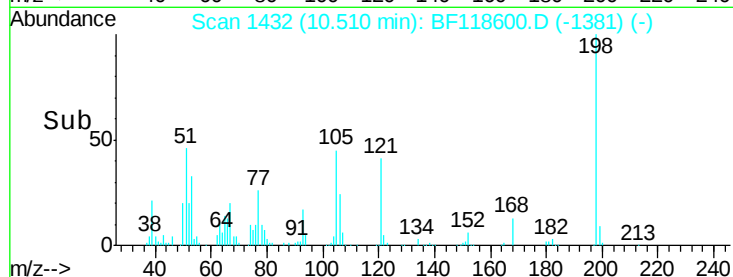
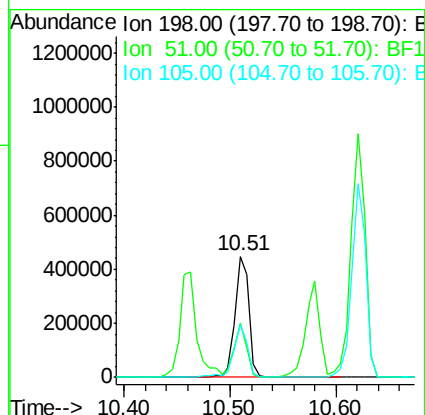
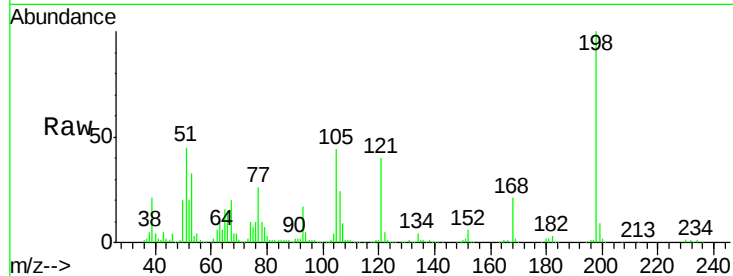
ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:	198	Resp:	398863
Ion Ratio	Lower	Upper	
198	100		
51	44.7	25.2	65.2
105	43.9	26.3	66.3

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#66

n-Nitrosodiphenylamine

Concen: 48.643 ng

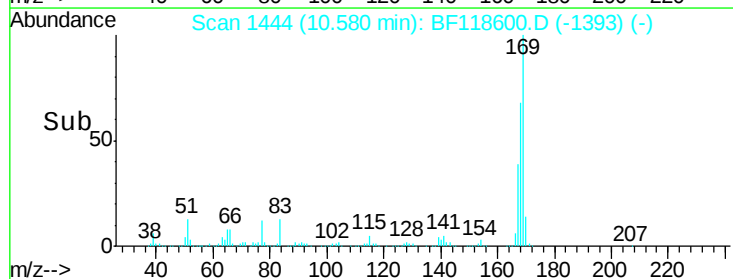
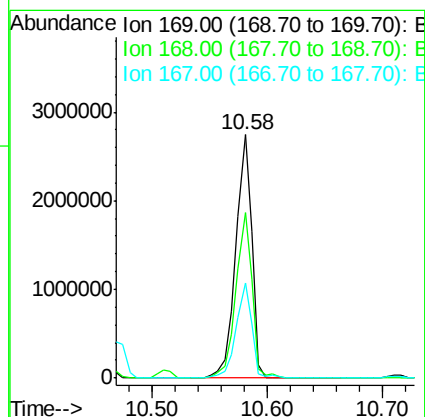
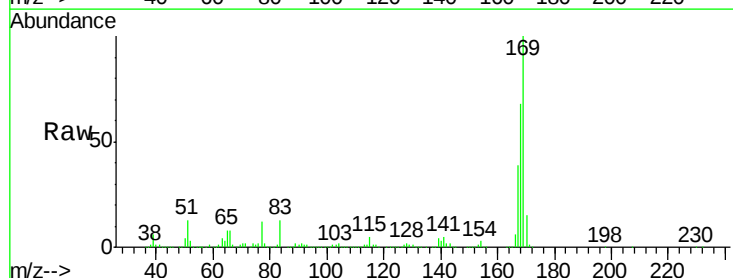
RT: 10.58 min Scan# 1444

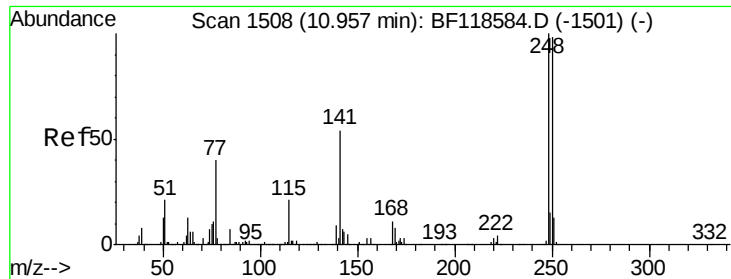
Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Tgt Ion:	169	Resp:	2633128
Ion Ratio	Lower	Upper	
169	100		
168	67.7	54.6	82.0
167	39.0	30.9	46.3





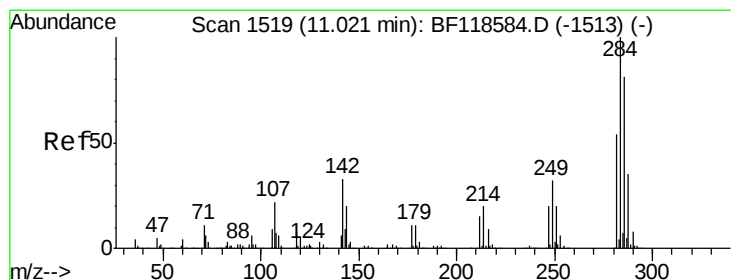
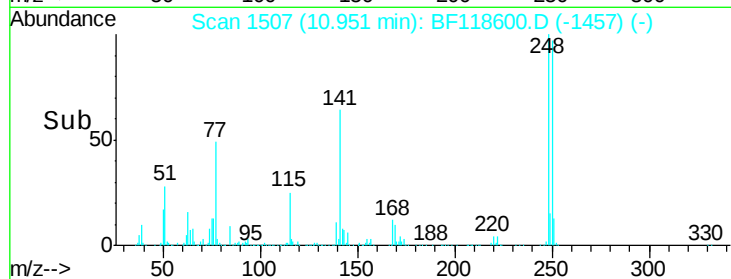
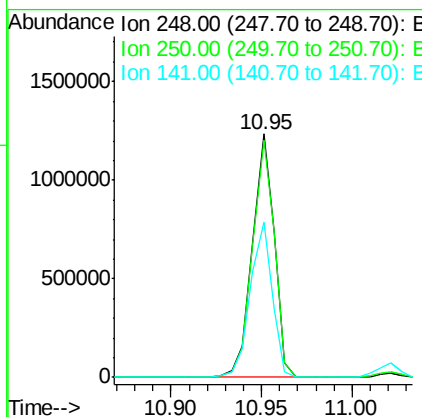
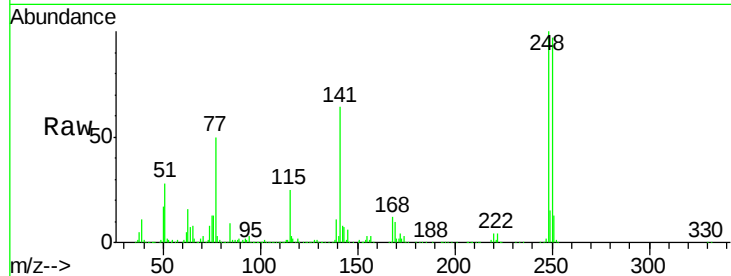
#67
4-Bromophenyl-phenylether
Concen: 46.667 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.7	118.1
141	63.9	43.2	64.8

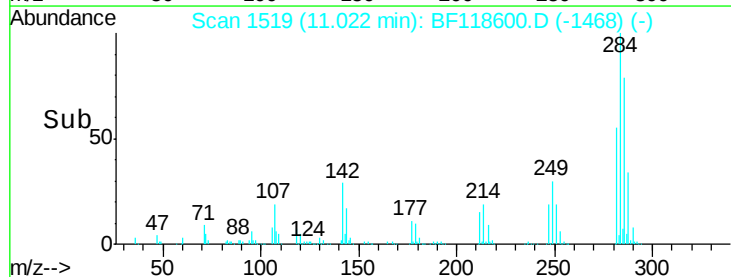
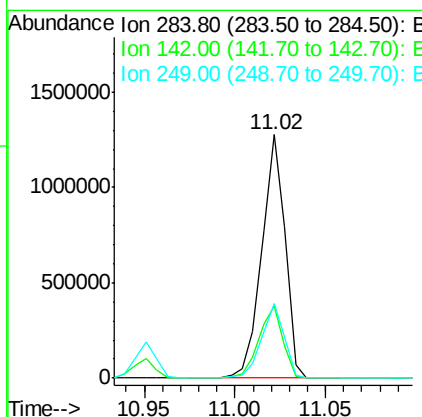
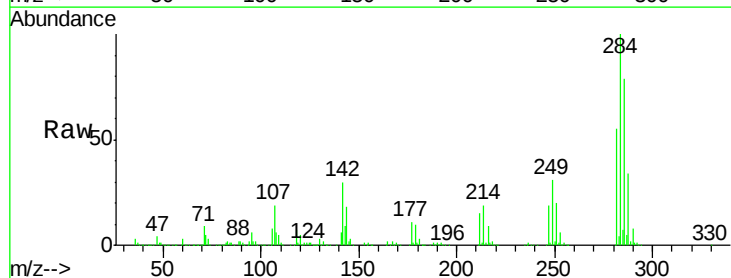
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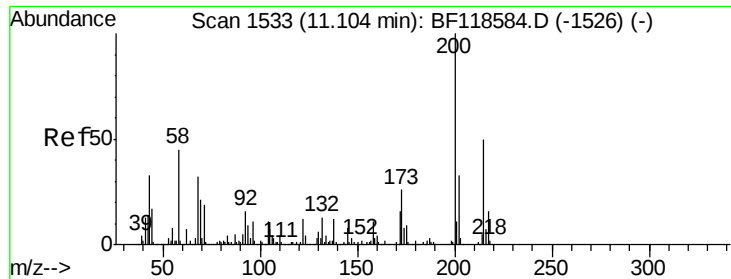
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#68
Hexachlorobenzene
Concen: 45.483 ng
RT: 11.02 min Scan# 1519
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.8	26.6	39.8
249	30.7	25.2	37.8





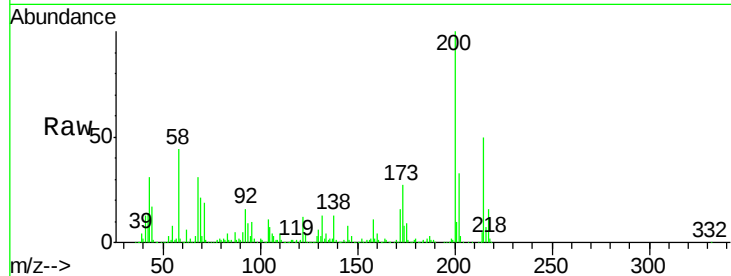
#69
Atrazine
Concen: 48.697 ng
RT: 11.10 min Scan# 1533
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

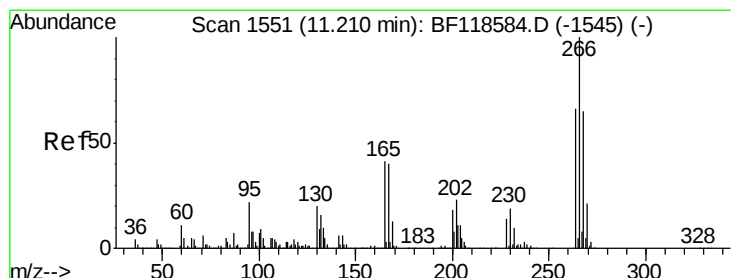
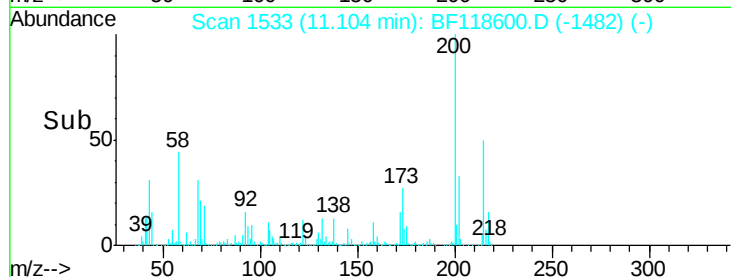
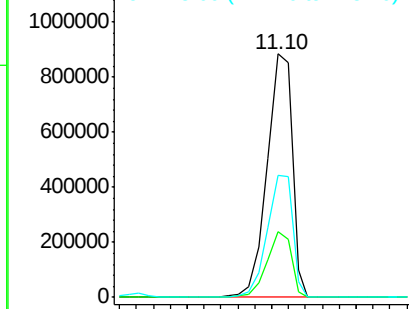
Tot Ion	Ratio	Lower	Upper
200	100		
173	27.0	6.3	46.3
215	50.2	30.2	70.2

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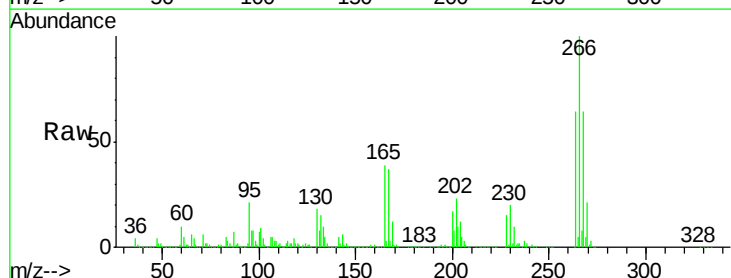


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

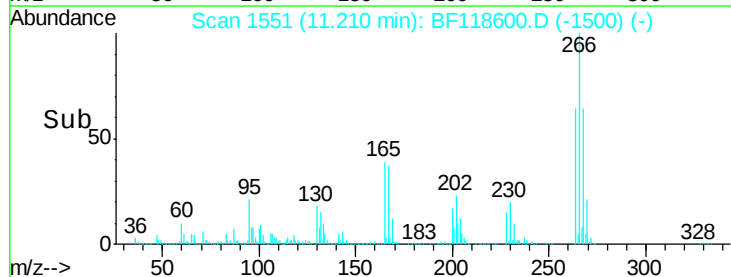
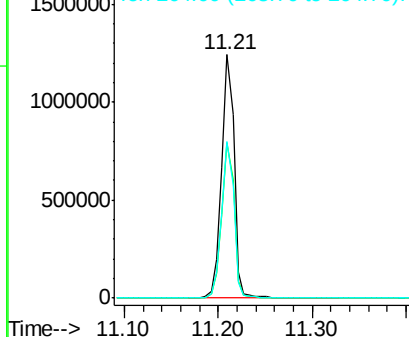


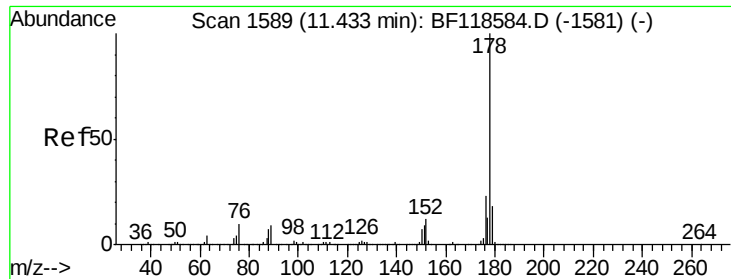
#70
Pentachlorophenol
Concen: 83.895 ng
RT: 11.21 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.6	52.1	78.1
264	64.1	52.4	78.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





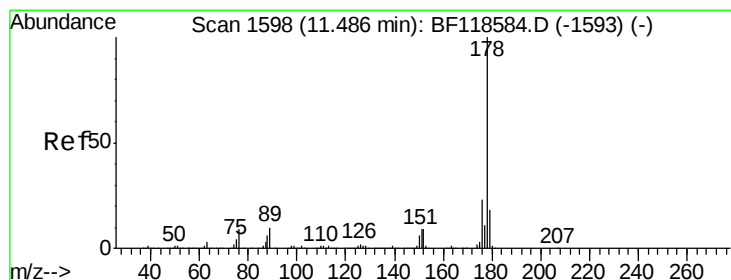
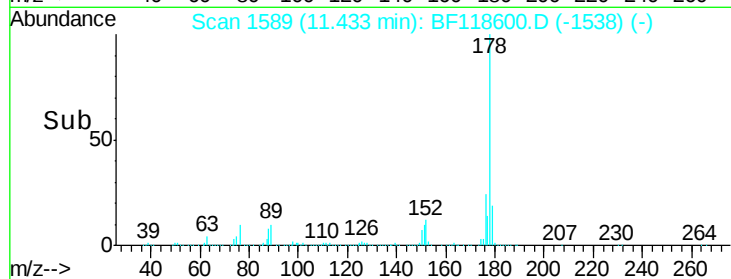
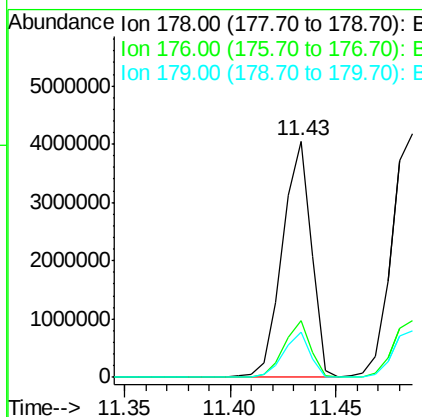
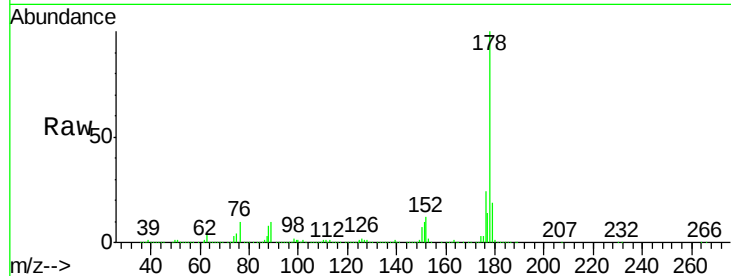
#71
Phenanthrene
Concen: 44.754 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion:178 Resp: 3875546
Ion Ratio Lower Upper
178 100
176 24.0 18.6 27.8
179 19.0 14.7 22.1

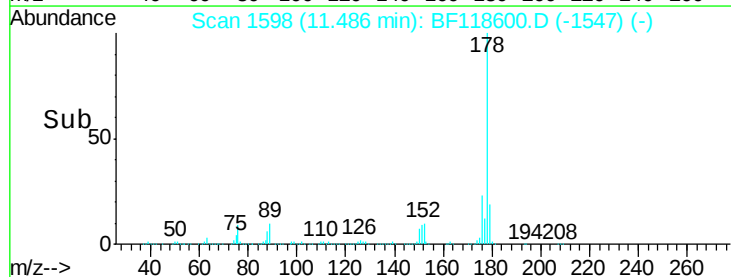
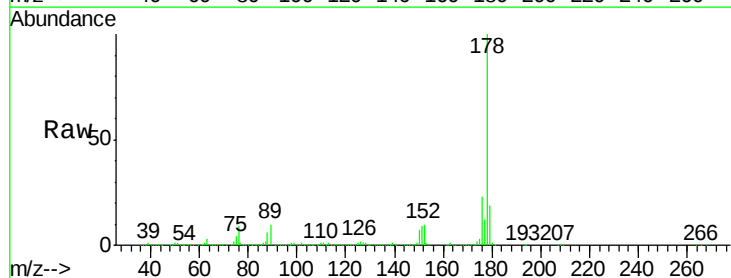
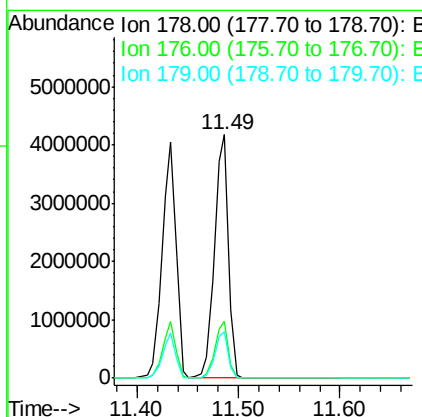
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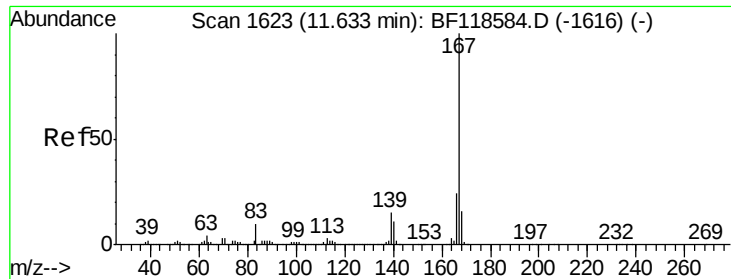
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#72
Anthracene
Concen: 46.212 ng
RT: 11.49 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion:178 Resp: 3959730
Ion Ratio Lower Upper
178 100
176 23.4 18.0 27.0
179 18.9 14.7 22.1





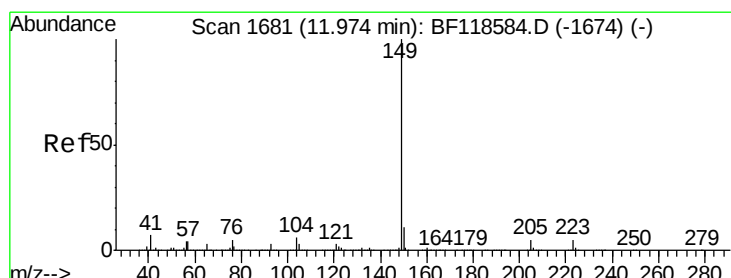
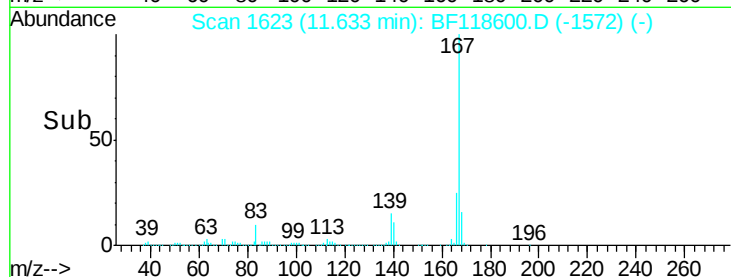
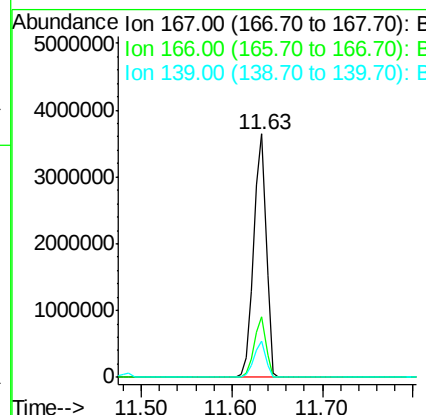
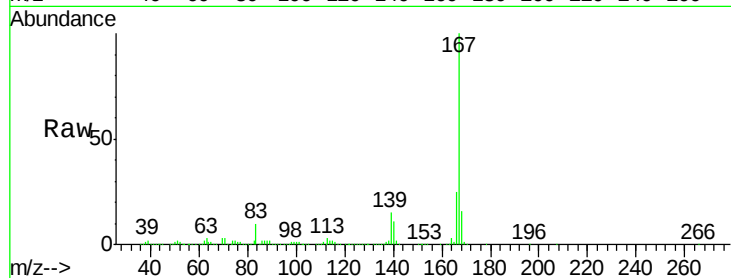
#73
 Carbazole
 Concen: 43.919 ng
 RT: 11.63 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	25.0	19.4	29.2
139	14.8	11.7	17.5

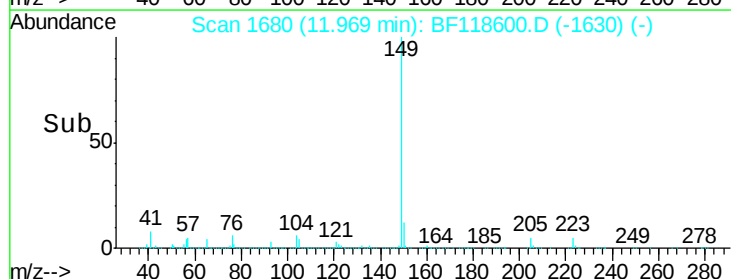
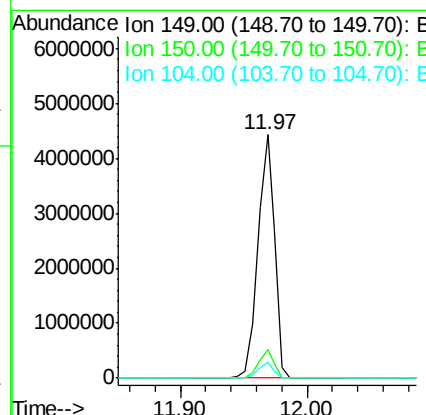
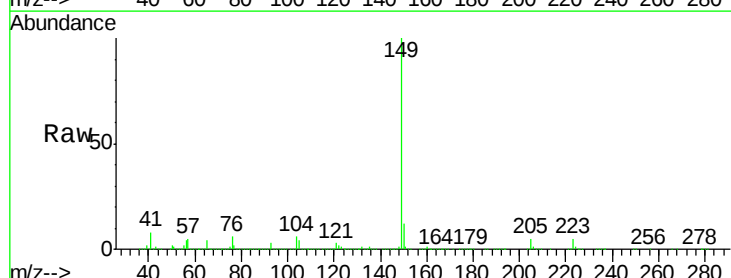
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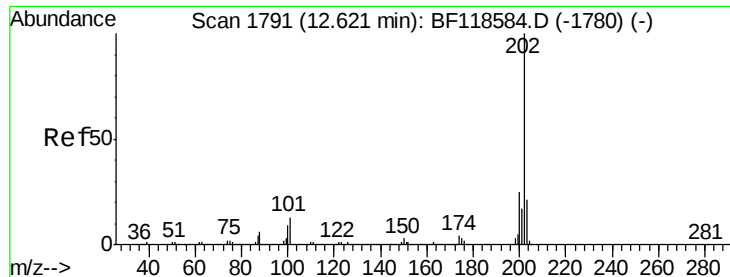
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#74
 Di-n-butylphthalate
 Concen: 46.800 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
149	100		
150	12.0	8.7	13.1
104	6.4	4.6	6.8





#75

Fluoranthene

Concen: 42.912 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

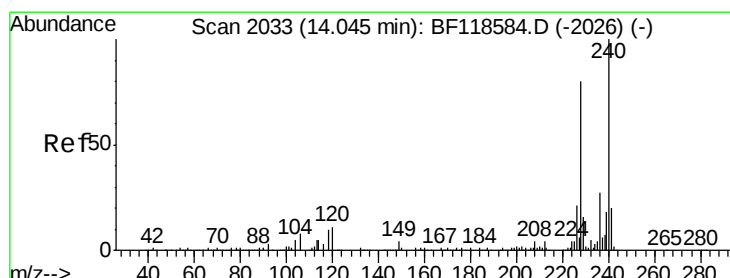
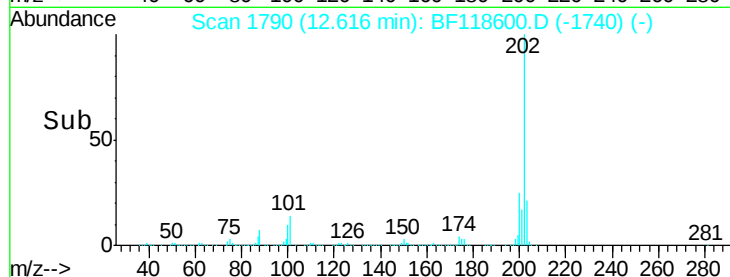
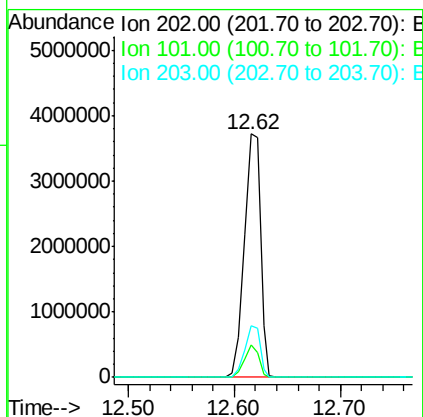
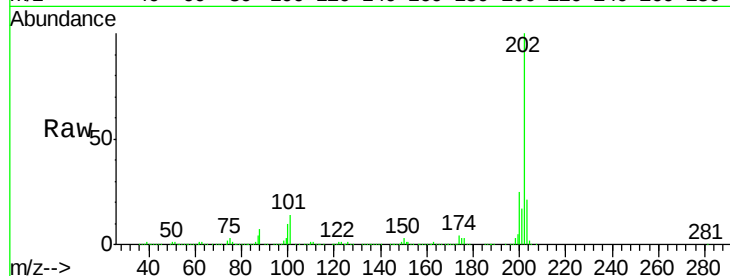
ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:	202	Resp:	3919321
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	32.5
203	21.1	0.8	40.8

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#76

Chrysene-d12

Concen: 20.000 ng

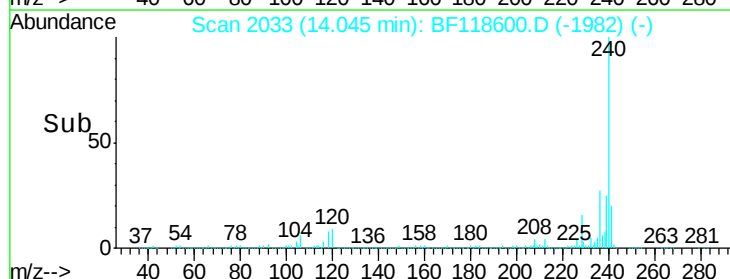
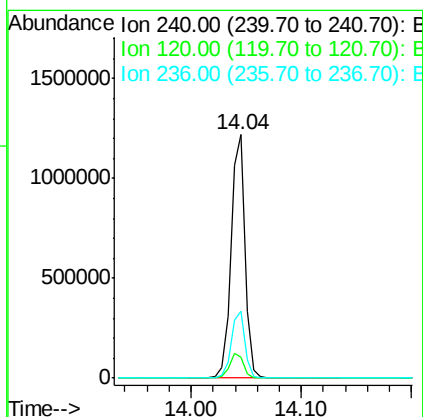
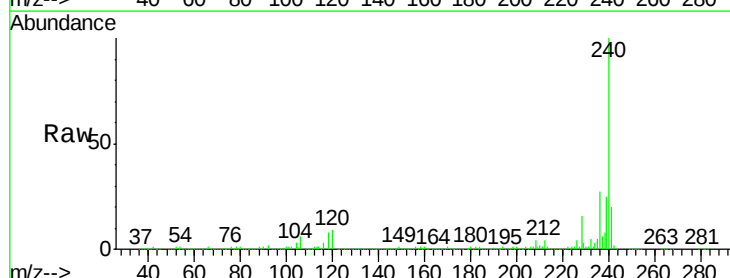
RT: 14.04 min Scan# 2033

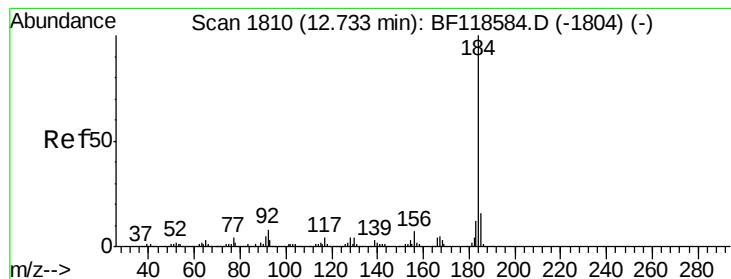
Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Tgt Ion:	240	Resp:	1078067
Ion	Ratio	Lower	Upper
240	100		
120	8.8	8.9	13.3#
236	27.3	21.5	32.3





#77

Benzidine

Concen: 47.799 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:184 Resp: 1376865

Ion Ratio Lower Upper

184 100

185 15.1 12.9 19.3

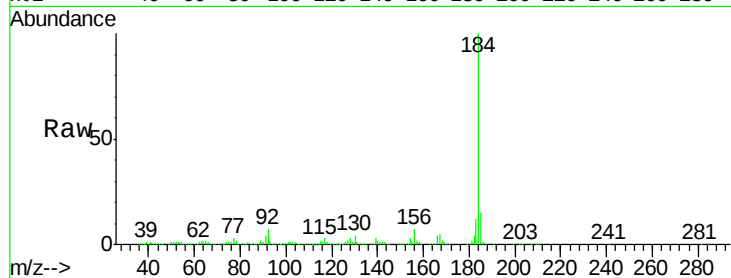
183 12.2 9.6 14.4

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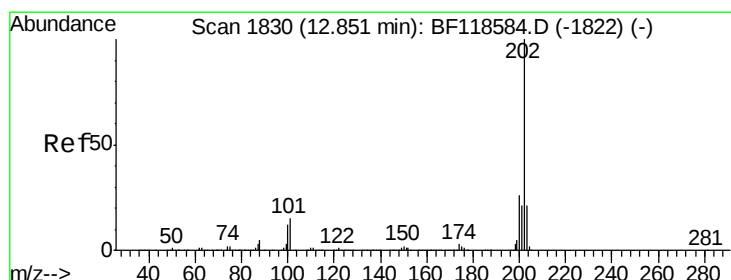
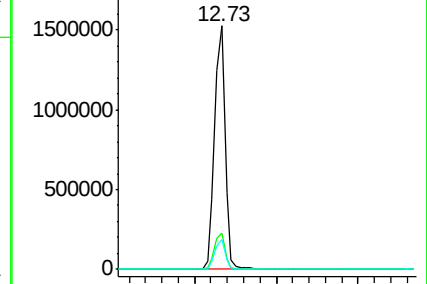
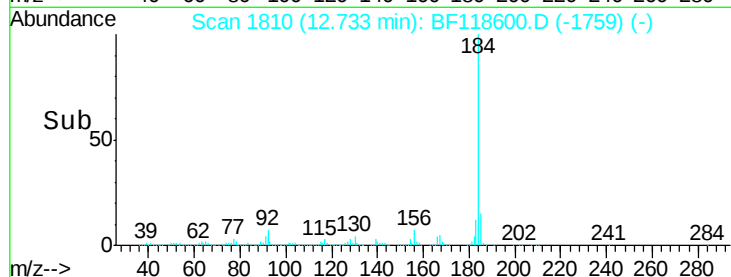
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.629 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

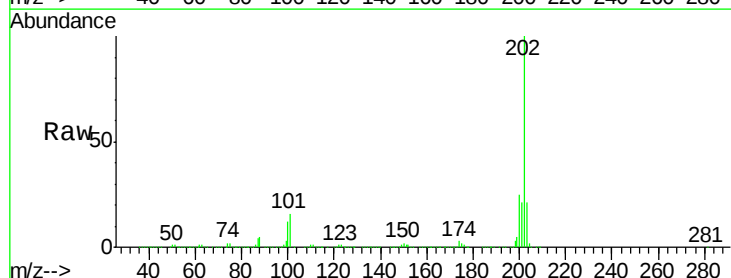
Tgt Ion:202 Resp: 3925189

Ion Ratio Lower Upper

202 100

200 25.4 20.6 31.0

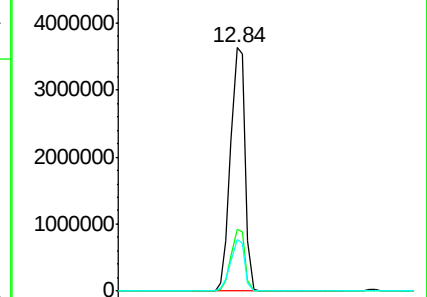
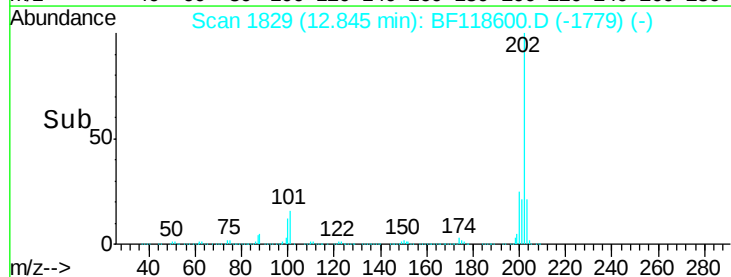
203 21.0 16.8 25.2

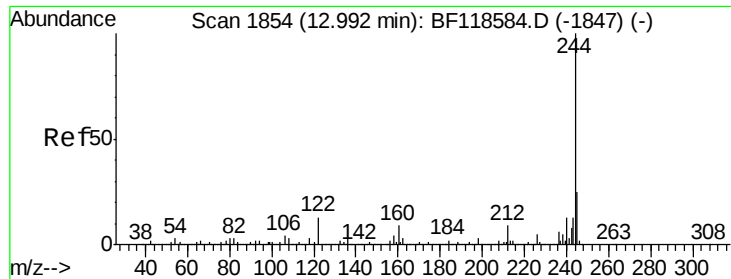


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





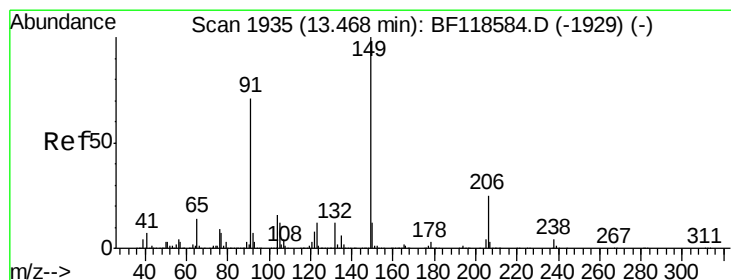
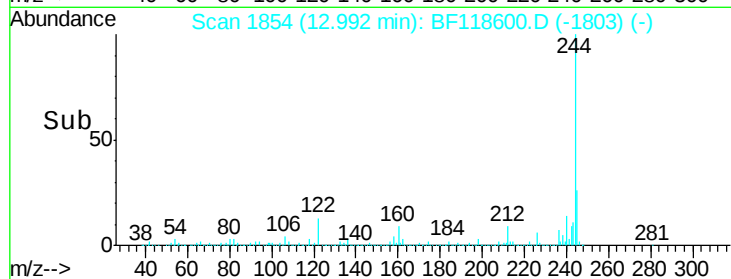
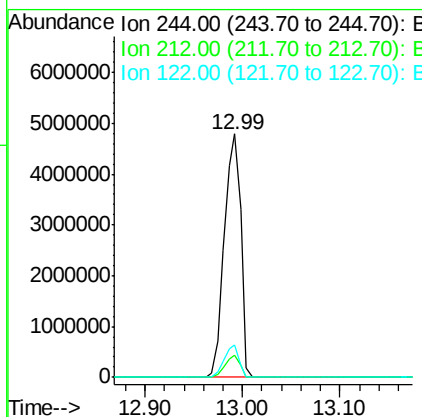
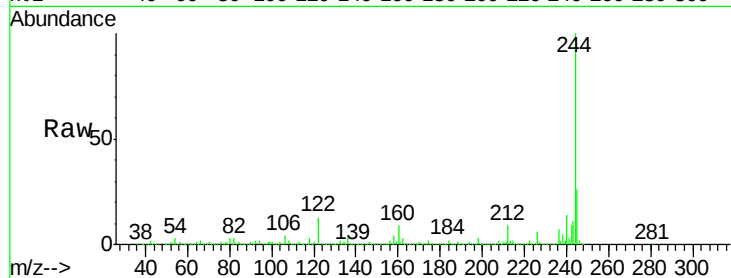
#79
 Terphenyl-d14
 Concen: 112.832 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

Tot Ion:244 Resp: 5577023
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.0 10.4
 122 13.1 10.7 16.1

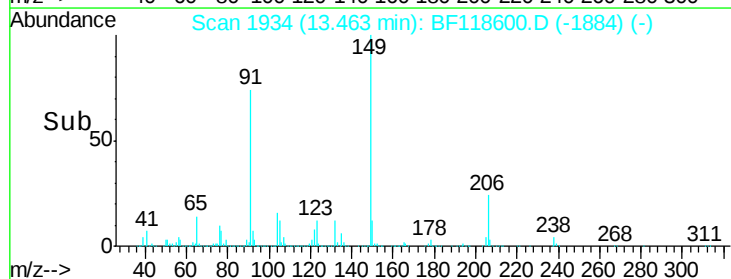
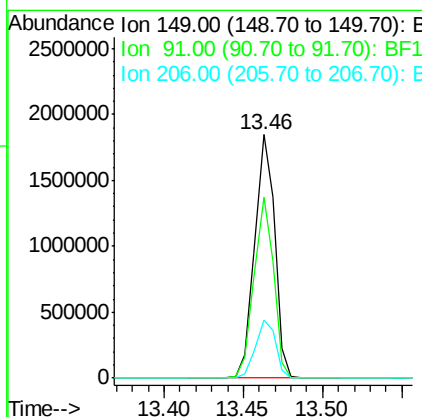
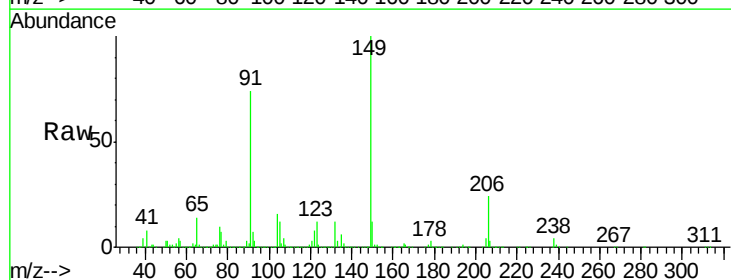
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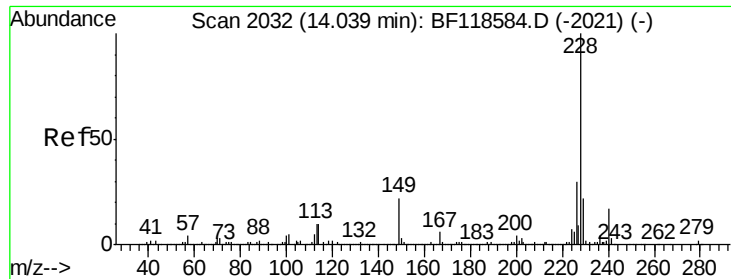
mohammad
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#80
 Butylbenzylphthalate
 Concen: 54.234 ng
 RT: 13.46 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Tgt Ion:149 Resp: 1624542
 Ion Ratio Lower Upper
 149 100
 91 74.1 56.5 84.7
 206 24.0 19.9 29.9





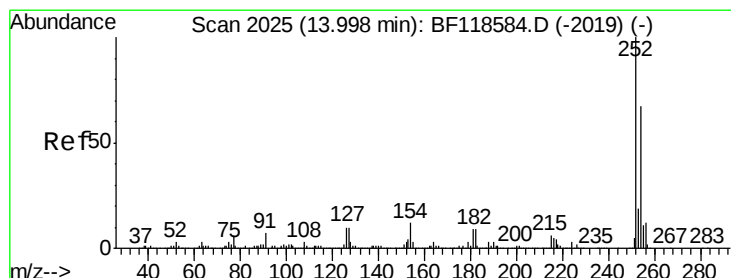
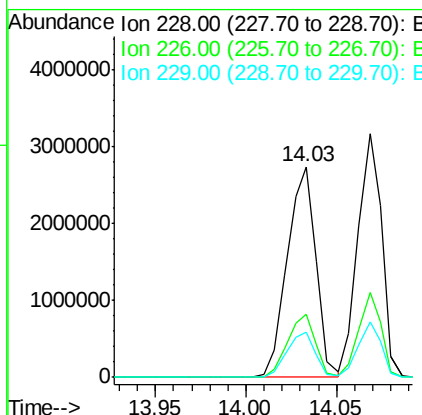
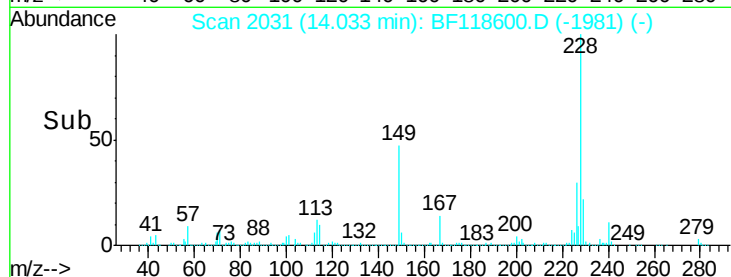
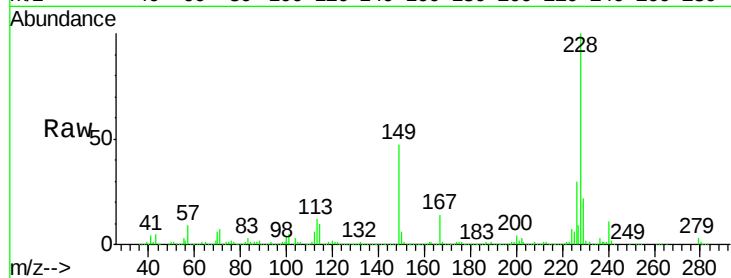
#81
Benzo(a)anthracene
Concen: 46.709 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion:228 Resp: 3029137
Ion Ratio Lower Upper
228 100
226 29.9 24.1 36.1
229 21.7 17.6 26.4

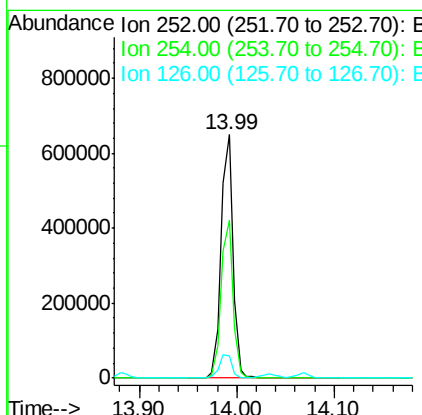
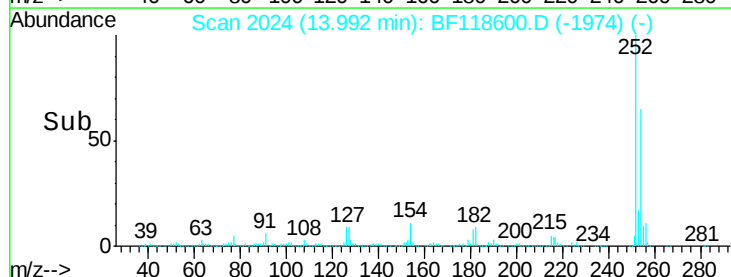
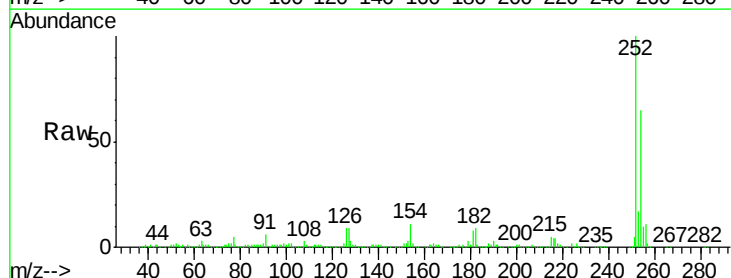
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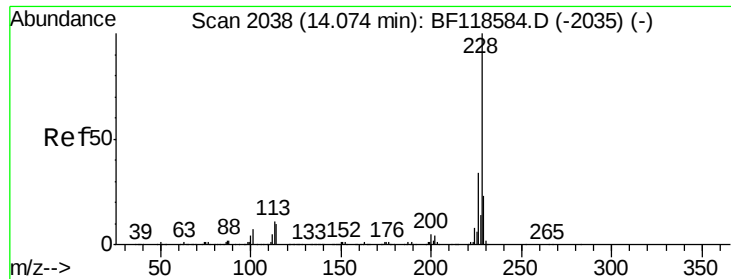
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 23.997 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion:252 Resp: 554535
Ion Ratio Lower Upper
252 100
254 64.6 53.4 80.2
126 9.0 8.0 12.0





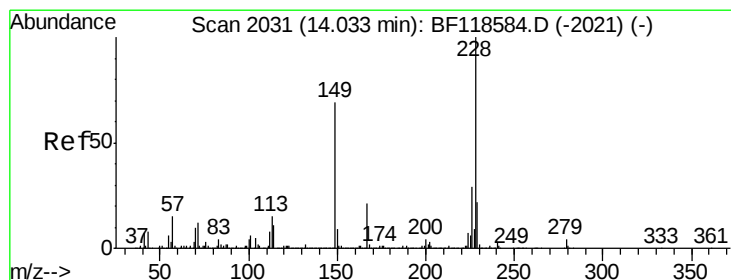
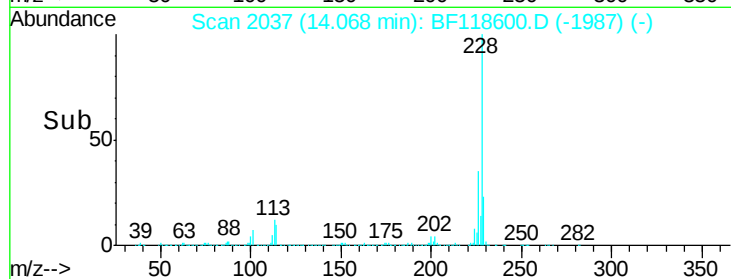
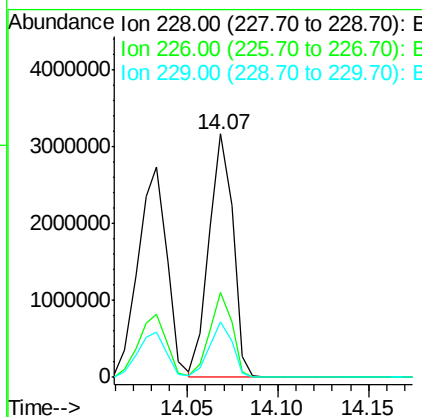
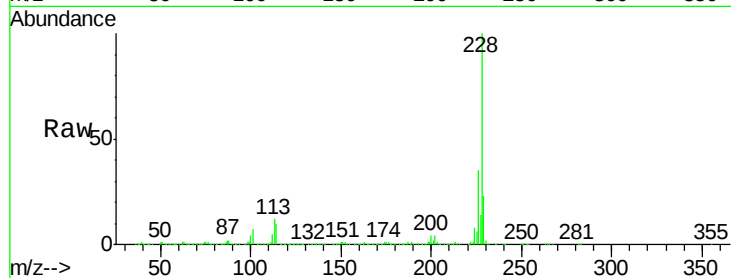
#83
 Chrysene
 Concen: 46.785 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.9	27.4	41.0
229	22.7	18.3	27.5

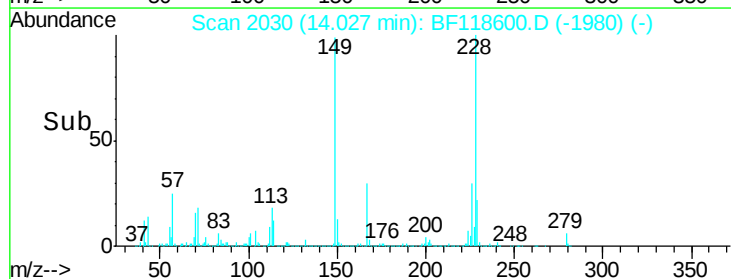
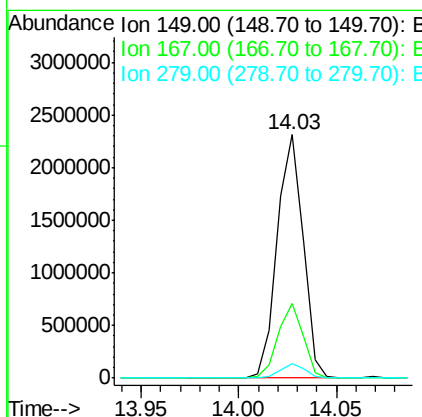
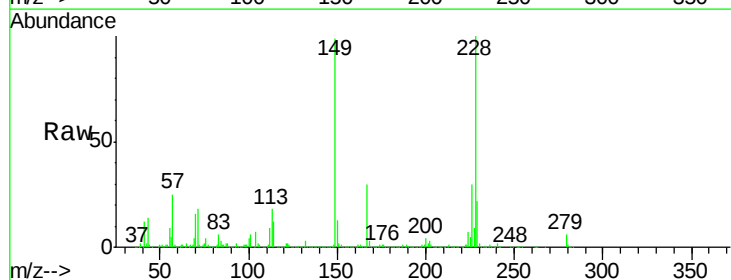
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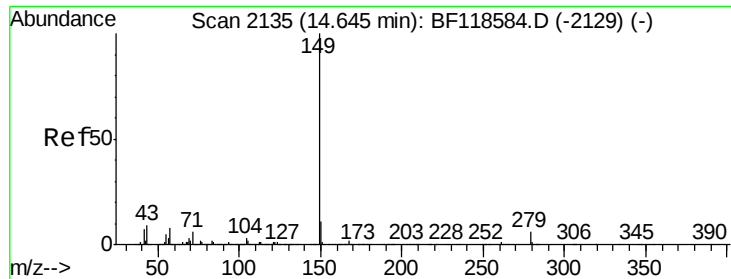
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 57.985 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.7	24.2	36.4
279	6.0	5.0	7.4





#85

Di-n-octyl phthalate

Concen: 57.747 ng

RT: 14.64 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

Instrument :

BNA_F

ClientSampleId :

93OAK-AVE-COMPMSD

Tot Ion:149 Resp: 3128058

Ion Ratio Lower Upper

149 100

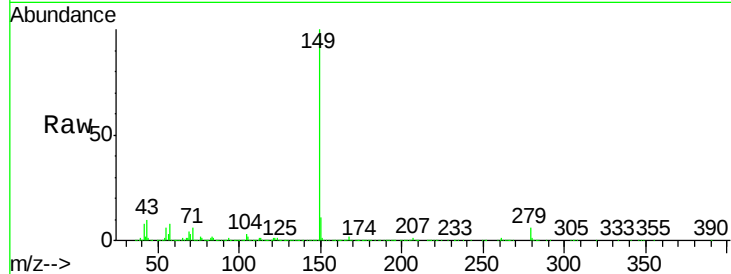
167 1.7 1.4 2.0

43 10.1 8.1 12.1

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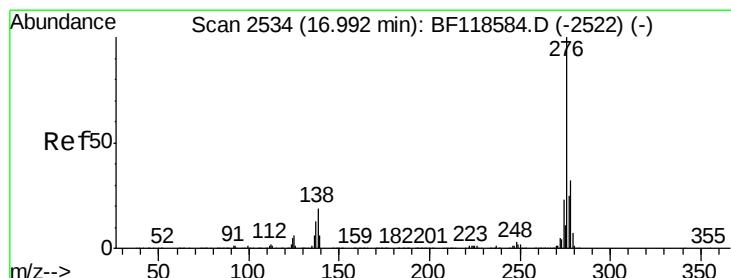
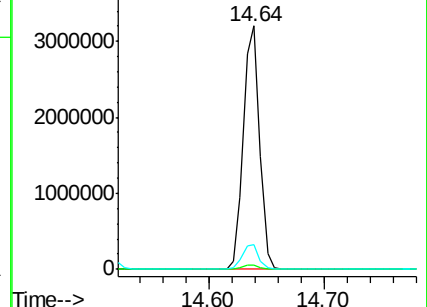
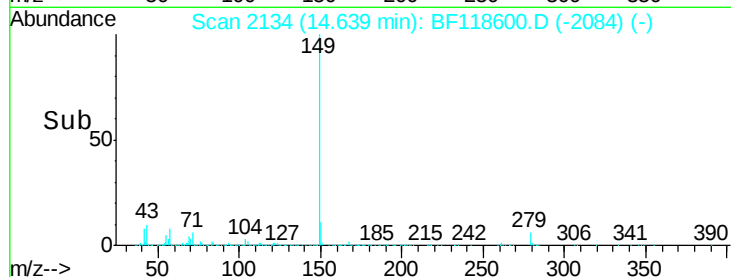
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 65.587 ng

RT: 16.99 min Scan# 2534

Delta R.T. 0.00 min

Lab File: BF118600.D

Acq: 20 Jan 2020 19:28

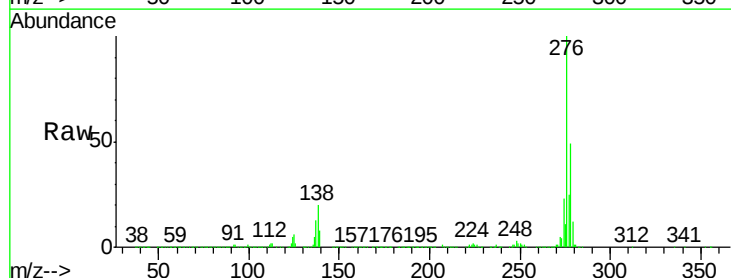
Tgt Ion:276 Resp: 3542043

Ion Ratio Lower Upper

276 100

138 21.9 17.2 25.8

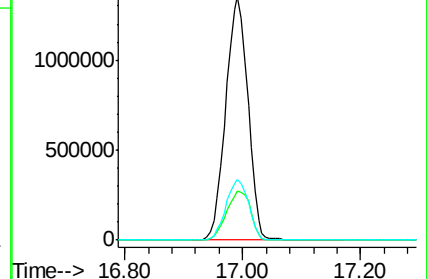
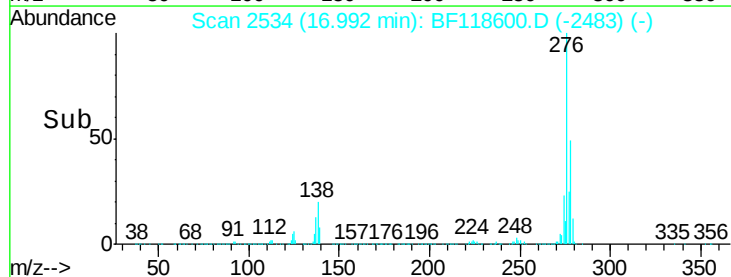
277 25.6 20.5 30.7

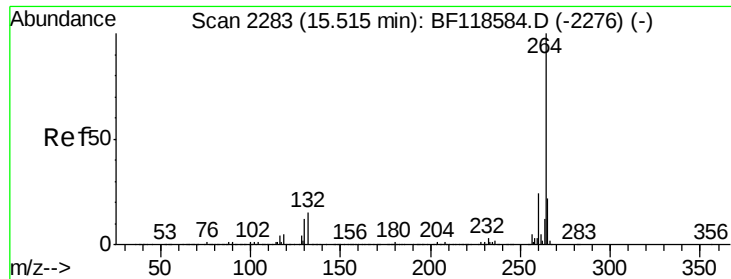


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





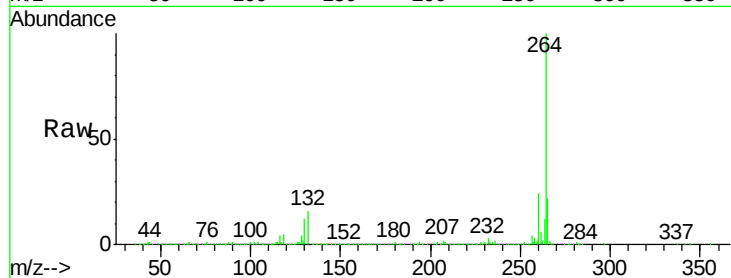
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Instrument :
 BNA_F
 ClientSampleId :
 93OAK-AVE-COMPMSD

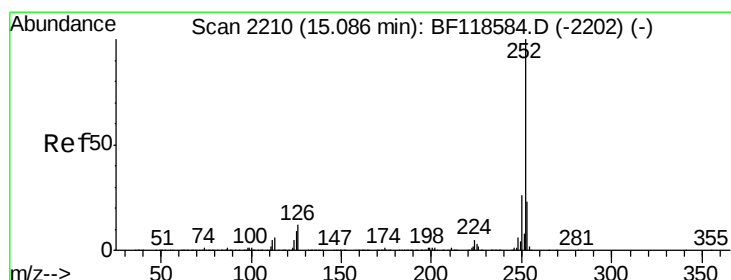
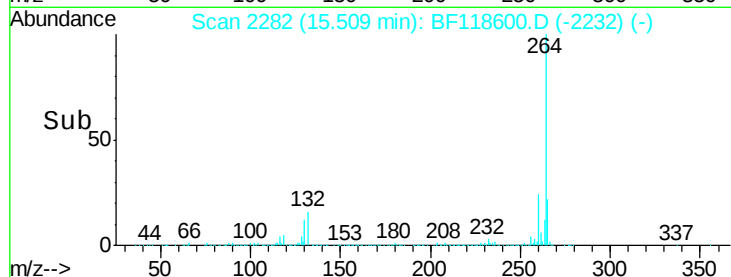
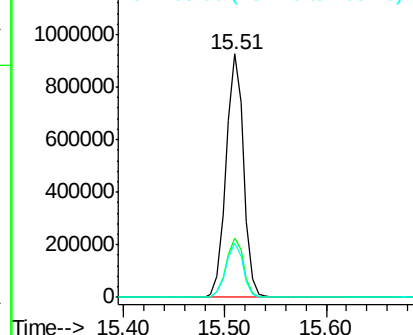
Tot Ion:264 Resp: 1110727
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.6 29.4
 265 22.1 17.7 26.5

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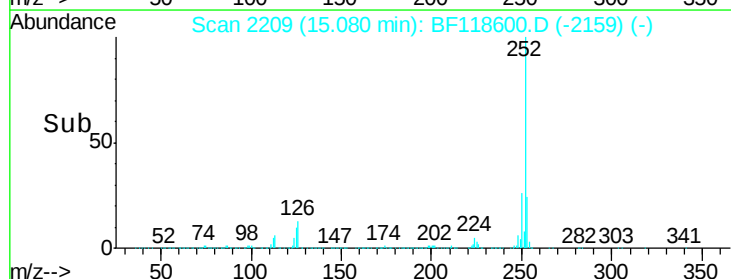
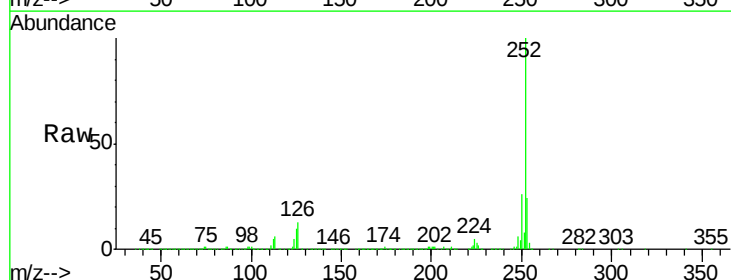
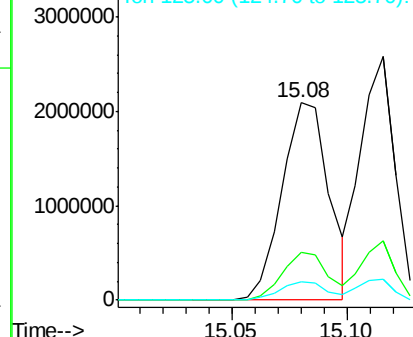
Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

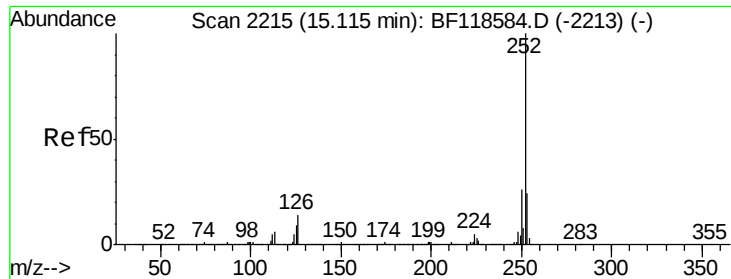


#88
 Benzo(b)fluoranthene
 Concen: 42.344 ng
 RT: 15.08 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BF118600.D
 Acq: 20 Jan 2020 19:28

Tgt Ion:252 Resp: 2956365
 Ion Ratio Lower Upper
 252 100
 253 23.9 18.7 28.1
 125 9.6 7.3 10.9

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





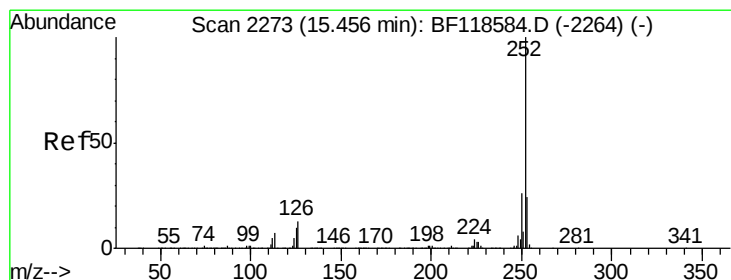
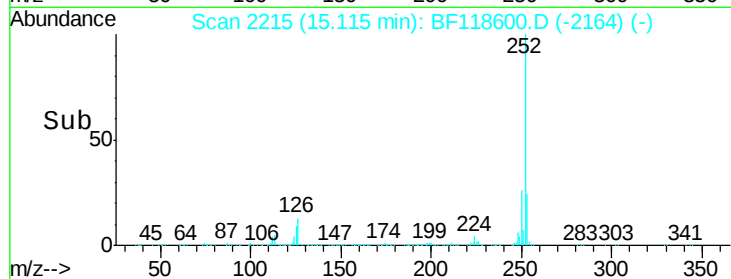
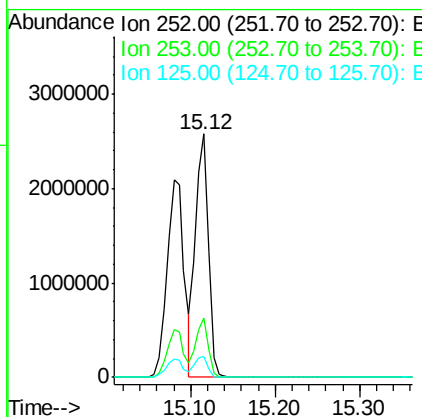
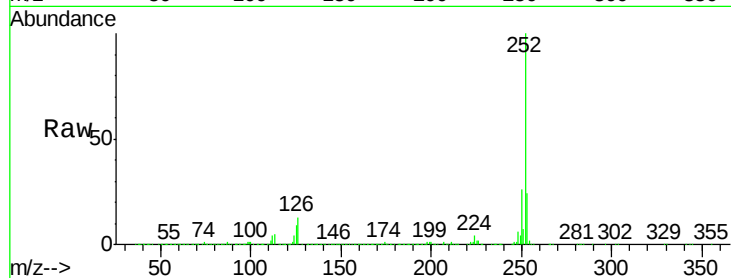
#89
Benzo(k)fluoranthene
Concen: 41.419 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion:252 Resp: 2679068
Ion Ratio Lower Upper
252 100
253 24.3 19.0 28.4
125 8.7 7.6 11.4

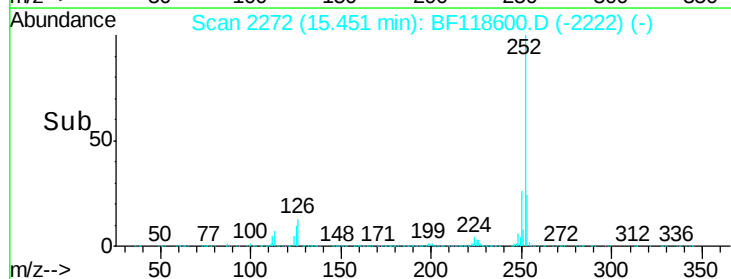
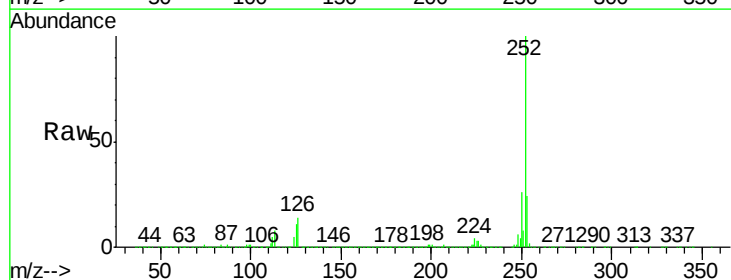
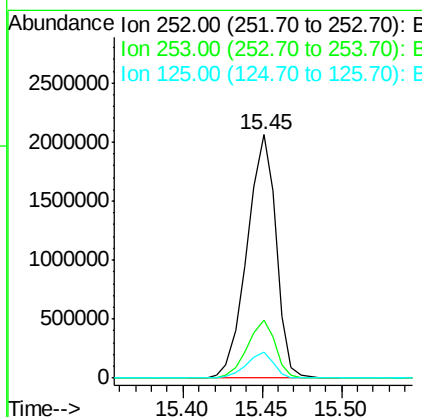
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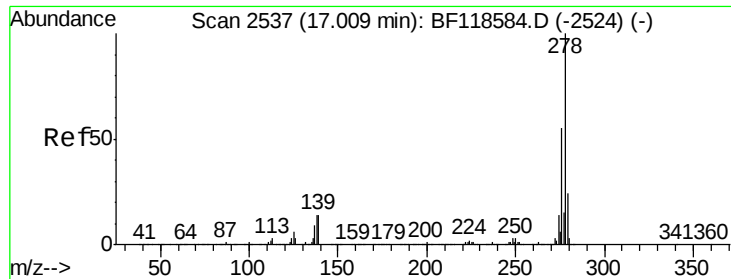
mohammad
1/21/2020 2:26:13 PM



#90
Benzo(a)pyrene
Concen: 43.500 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion:252 Resp: 2619869
Ion Ratio Lower Upper
252 100
253 23.7 18.8 28.2
125 10.5 7.8 11.6





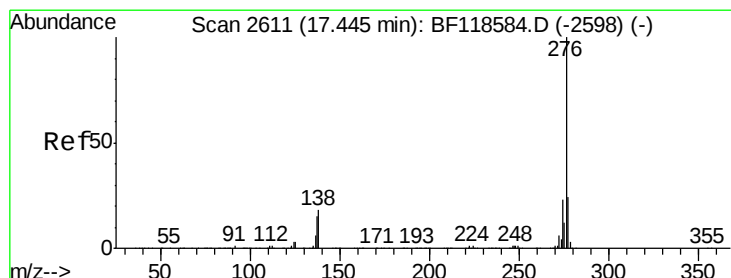
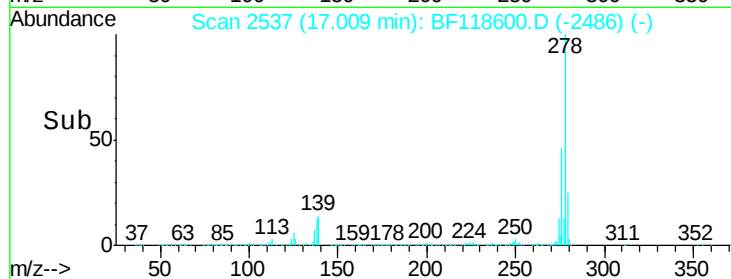
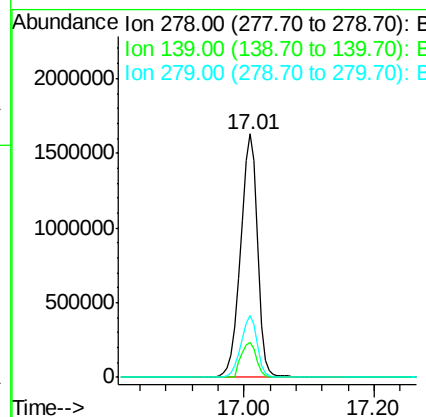
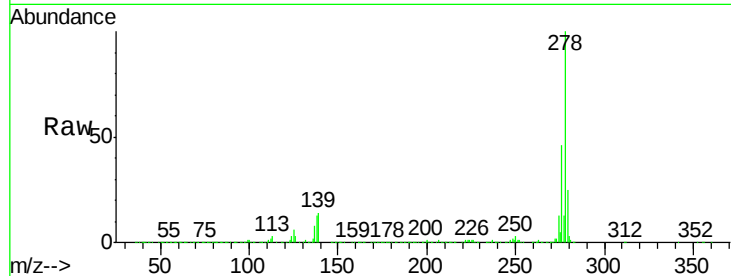
#91
Dibenzo(a,h)anthracene
Concen: 55.195 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.00 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Instrument :
BNA_F
ClientSampleId :
93OAK-AVE-COMPMSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.2	11.4	17.0
279	25.2	19.0	28.6

Manual Integrations
APPROVED

mohammad
1/21/2020 2:26:13 PM



#92
Benzo(g,h,i)perylene
Concen: 57.130 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF118600.D
Acq: 20 Jan 2020 19:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	19.1	14.4	21.6

