

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102918\
 Data File : BF110291.D
 Acq On : 30 Oct 2018 4:30
 Operator : JU/SJ
 Sample : J5696-03MSD
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

Quant Time: Nov 03 00:22:47 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	112788	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	432876	20.00	ng	0.00
39) Acenaphthene-d10	10.02	164	179084	20.00	ng	0.00
64) Phenanthrene-d10	11.51	188	276036	20.00	ng	0.00
76) Chrysene-d12	14.17	240	169870	20.00	ng	0.01
87) Perylene-d12	15.70	264	128439	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	921316	133.02	ng	0.02
7) Phenol-d6	6.61	99	1137349	128.38	ng	0.02
23) Nitrobenzene-d5	7.55	82	704656	96.55	ng	0.01
42) 2,4,6-Tribromophenol	10.82	330	190956	107.64	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	975730	85.55	ng	0.00
79) Terphenyl-d14	13.10	244	603966	73.94	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	104271	28.735	ng	89
3) Pyridine	3.67	79	309634	38.310	ng	# 84
4) n-Nitrosodimethylamine	3.63	42	161953	47.828	ng	91
6) Aniline	6.65	93	91858	7.960	ng	# 57
8) 2-Chlorophenol	6.76	128	341278	42.739	ng	97
9) Benzaldehyde	6.53	77	155987	27.790	ng	93
10) Phenol	6.63	94	533753	56.365	ng	# 63
11) bis(2-Chloroethyl)ether	6.71	93	368190	47.259	ng	97
12) 1,3-Dichlorobenzene	6.92	146	359489	40.909	ng	98
13) 1,4-Dichlorobenzene	6.99	146	362912	40.834	ng	97
14) 1,2-Dichlorobenzene	7.15	146	339297	41.125	ng	100
15) Benzyl Alcohol	7.12	79	289802	42.533	ng	94
16) 2,2'-oxybis(1-Chloropropan	7.25	45	488139	39.187	ng	70
17) 2-Methylphenol	7.23	107	526110	82.671	ng	# 82
18) Hexachloroethane	7.48	117	103837	31.912	ng	93
19) n-Nitroso-di-n-propylamine	7.39	70	229202	40.328	ng	95
20) 3+4-Methylphenols	7.38	107	604563	73.494	ng	91
22) Acetophenone	7.39	105	463196	46.438	ng	98
24) Nitrobenzene	7.56	77	336716	44.688	ng	92
25) Isophorone	7.81	82	628519	50.522	ng	95
26) 2-Nitrophenol	7.87	139	140557	39.201	ng	90
27) 2,4-Dimethylphenol	7.92	122	932338	156.836	ng	99
28) bis(2-Chloroethoxy)methane	8.00	93	404889	47.909	ng	100
29) 2,4-Dichlorophenol	8.12	162	260759	43.418	ng	97
30) 1,2,4-Trichlorobenzene	8.20	180	293234	43.589	ng	95
31) Naphthalene	8.28	128	946979	47.466	ng	100
32) Benzoic acid	8.02	122	275836	60.036	ng	# 22
33) 4-Chloroaniline	8.35	127	116150	12.936	ng	99
34) Hexachlorobutadiene	8.39	225	161953	43.358	ng	99
35) Caprolactam	8.70	113	72759	34.758	ng	90
36) 4-Chloro-3-methylphenol	8.81	107	269245	41.458	ng	95
37) 2-Methylnaphthalene	8.97	142	619676	46.945	ng	99
38) 1-Methylnaphthalene	9.07	142	573773	44.980	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.14	216	258191	46.272	ng	99

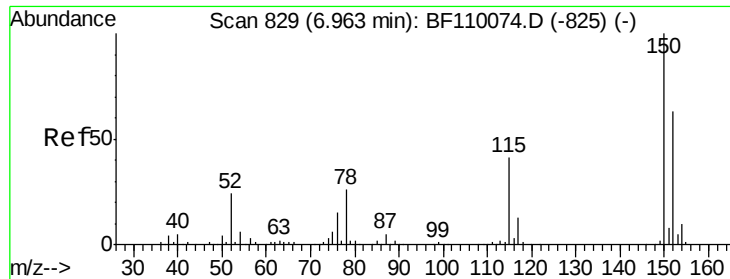
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102918\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.12	237	11557	4.051	ng	99
43) 2,4,6-Trichlorophenol	9.25	196	167994	46.678	ng	95
44) 2,4,5-Trichlorophenol	9.30	196	168757	44.360	ng	93
46) 1,1'-Biphenyl	9.43	154	722477	44.613	ng	99
47) 2-Chloronaphthalene	9.46	162	536943	45.200	ng	98
48) 2-Nitroaniline	9.56	65	168536	46.819	ng	93
49) Acenaphthylene	9.88	152	784953	45.749	ng	99
50) Dimethylphthalate	9.73	163	820248	62.048	ng	99
51) 2,6-Dinitrotoluene	9.80	165	118013	41.444	ng #	84
52) Acenaphthene	10.06	154	491022	43.259	ng	98
53) 3-Nitroaniline	9.97	138	97711	28.855	ng	85
55) Dibenzofuran	10.23	168	698099	43.928	ng	96
56) 4-Nitrophenol	10.14	139	225095	89.814	ng	92
57) 2,4-Dinitrotoluene	10.21	165	139994	38.706	ng #	84
58) Fluorene	10.57	166	549149	46.430	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.34	232	129124	41.642	ng	96
60) Diethylphthalate	10.43	149	596637	46.235	ng	99
61) 4-Chlorophenyl-phenylether	10.56	204	261778	41.956	ng	99
62) 4-Nitroaniline	10.59	138	109995	32.659	ng	98
63) Azobenzene	10.72	77	521148	40.686	ng	97
65) 4,6-Dinitro-2-methylphenol	10.62	198	13332	10.571	ng	81
66) n-Nitrosodiphenylamine	10.67	169	449129	49.606	ng	96
67) 4-Bromophenyl-phenylether	11.05	248	145117	48.466	ng	97
68) Hexachlorobenzene	11.12	284	142686	44.913	ng	93
69) Atrazine	11.20	200	110377	38.576	ng	99
70) Pentachlorophenol	11.32	266	124750	67.342	ng	97
71) Phenanthrene	11.54	178	1157290	80.125	ng	100
72) Anthracene	11.59	178	805447	55.635	ng	99
73) Carbazole	11.74	167	609177	43.096	ng	99
74) Di-n-butylphthalate	12.06	149	1246825	78.099	ng	99
75) Fluoranthene	12.74	202	1485256	101.324	ng	99
77) Benzidine	12.88	184	802	Below Cal	ng #	1
78) Pyrene	12.97	202	1353183	111.115	ng	98
80) Butylbenzylphthalate	13.57	149	289372	54.745	ng	97
81) Benzo(a)anthracene	14.16	228	868888	86.254	ng	99
82) 3,3'-Dichlorobenzidine	14.12	252	27635	7.878	ng	96
83) Chrysene	14.20	228	786246	82.175	ng	99
84) Bis(2-ethylhexyl)phthalate	14.12	149	437922	61.287	ng #	95
85) Di-n-octyl phthalate	14.74	149	630468	56.745	ng	98
86) Indeno(1,2,3-cd)pyrene	17.30	276	450356	56.737	ng	99
88) Benzo(b)fluoranthene	15.25	252	742499	100.109	ng	97
89) Benzo(k)fluoranthene	15.28	252	443089	60.768	ng #	95
90) Benzo(a)pyrene	15.64	252	547534	80.228	ng	98
91) Dibenzo(a,h)anthracene	17.31	278	300303	50.996	ng	97
92) Benzo(g,h,i)perylene	17.79	276	386008	66.520	ng	99

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

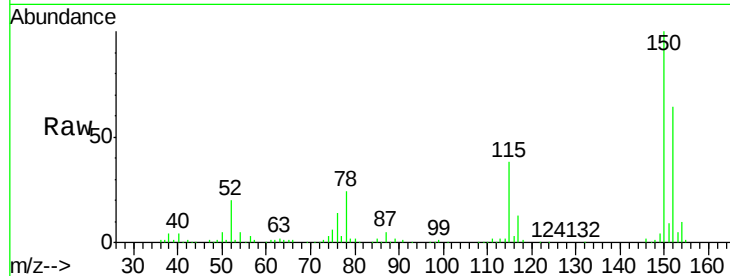


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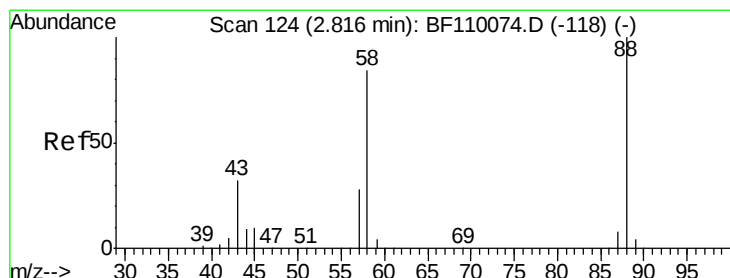
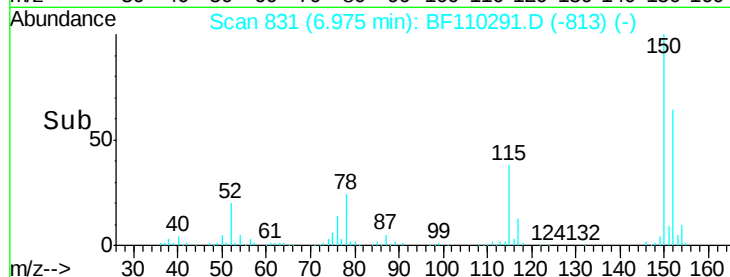
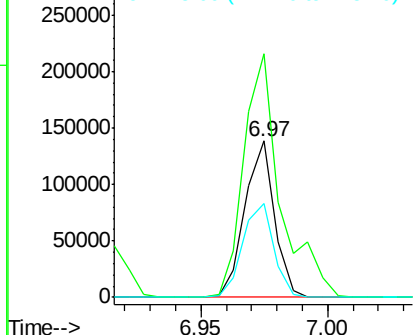
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion: 152 Resp: 112788
Ion Ratio Lower Upper
152 100
150 155.6 122.7 184.1
115 59.6 49.1 73.7



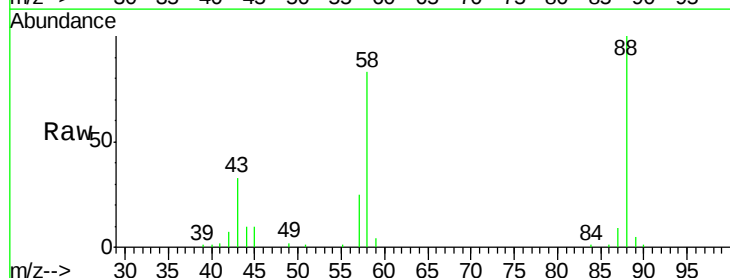
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



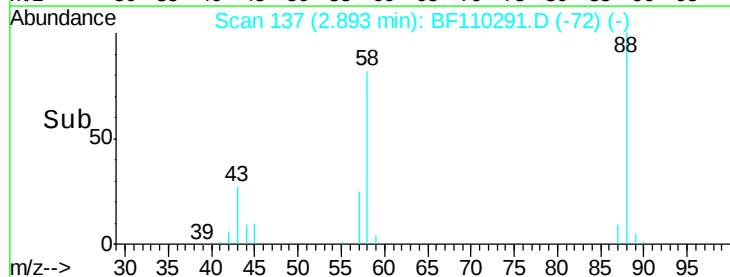
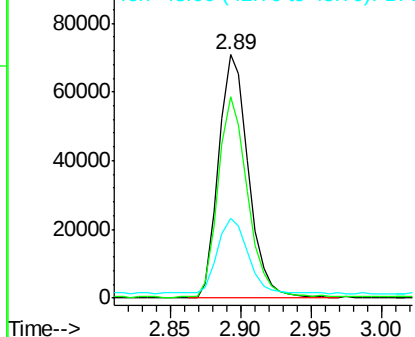
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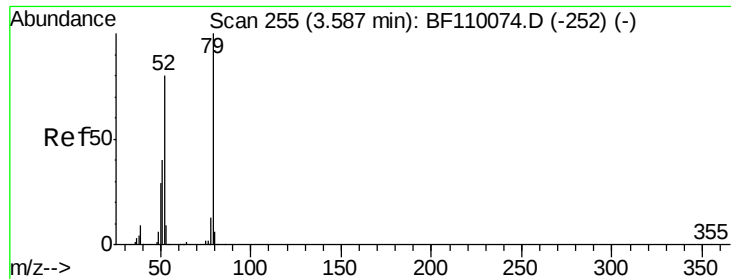
1,4-Dioxane
Concen: 28.735 ng
RT: 2.89 min Scan# 137
Delta R.T. 0.08 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion: 88 Resp: 104271
Ion Ratio Lower Upper
88 100
58 83.2 57.1 85.7
43 32.3 24.1 36.1



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 38.310 ng

RT: 3.67 min Scan# 269

Delta R.T. 0.08 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

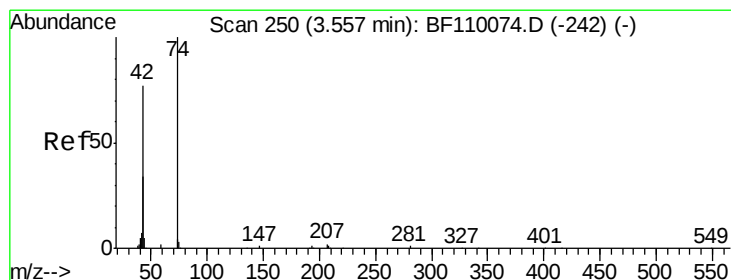
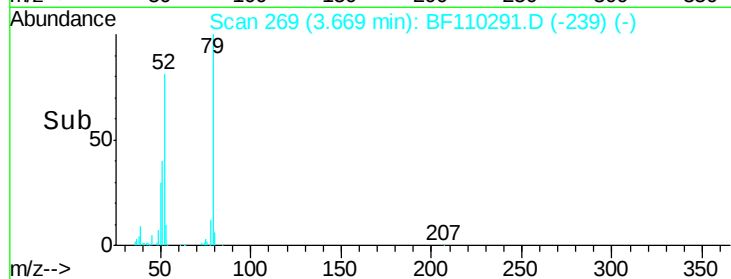
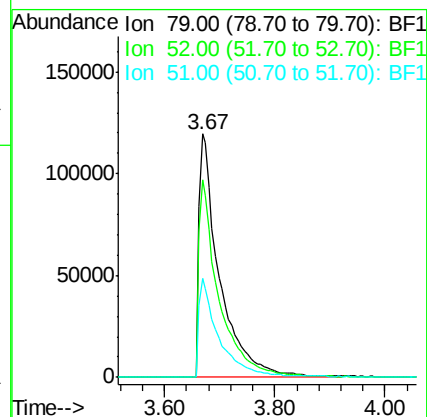
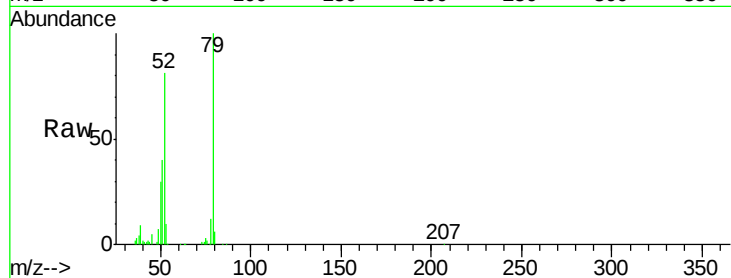
Tgt Ion: 79 Resp: 309634

Ion Ratio Lower Upper

79 100

52 81.0 53.1 79.7#

51 40.4 27.4 41.2



#4

n-Nitrosodimethylamine

Concen: 47.828 ng

RT: 3.63 min Scan# 262

Delta R.T. 0.08 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

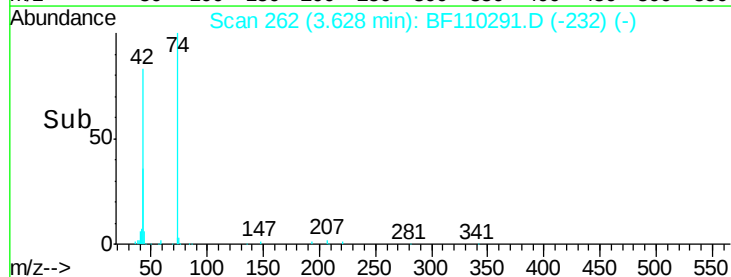
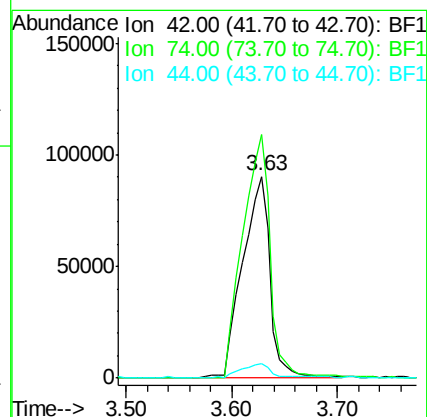
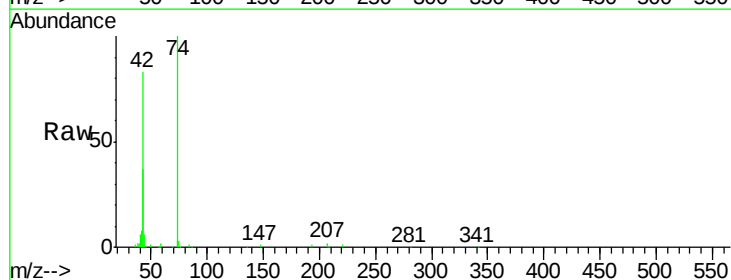
Tgt Ion: 42 Resp: 161953

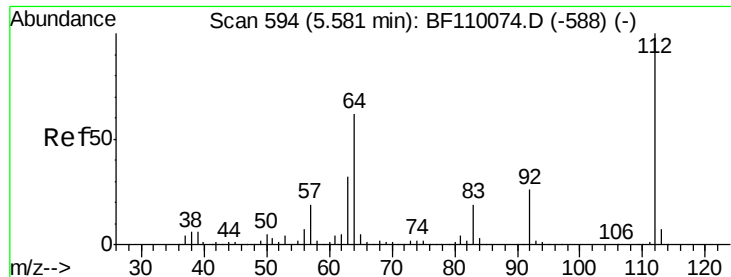
Ion Ratio Lower Upper

42 100

74 120.7 105.5 158.3

44 7.2 4.9 7.3





#5

2-Fluorophenol

Concen: 133.021 ng

RT: 5.61 min Scan# 599

Delta R.T. 0.02 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

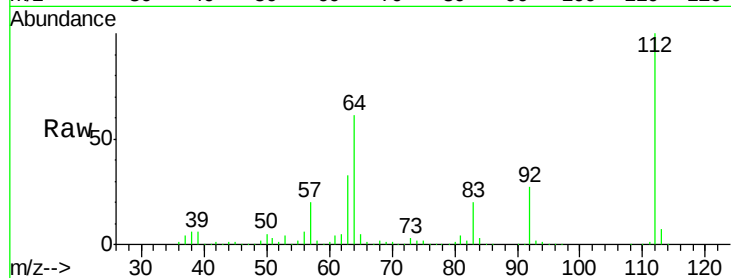
Tgt Ion: 112 Resp: 921316

Ion Ratio Lower Upper

112 100

64 61.3 44.1 66.1

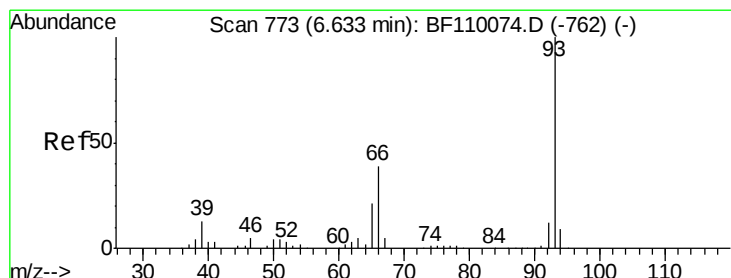
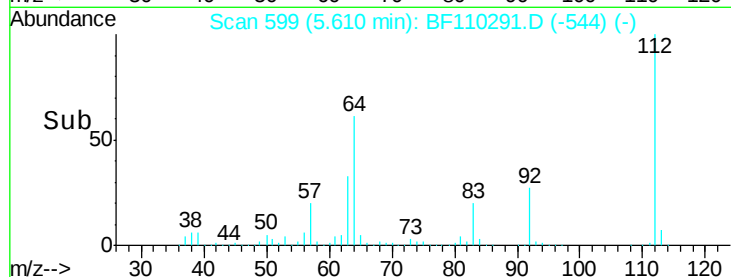
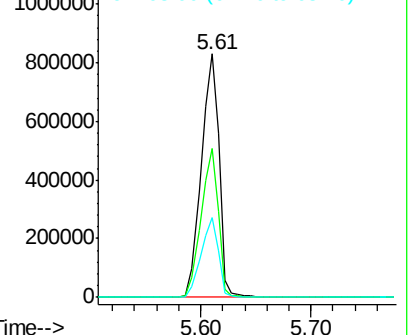
63 32.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 7.960 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

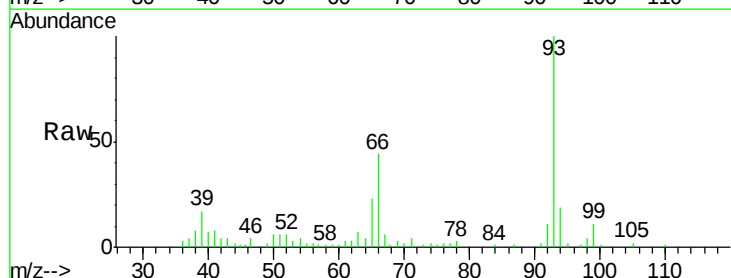
Tgt Ion: 93 Resp: 91858

Ion Ratio Lower Upper

93 100

66 43.9 67.4 101.0#

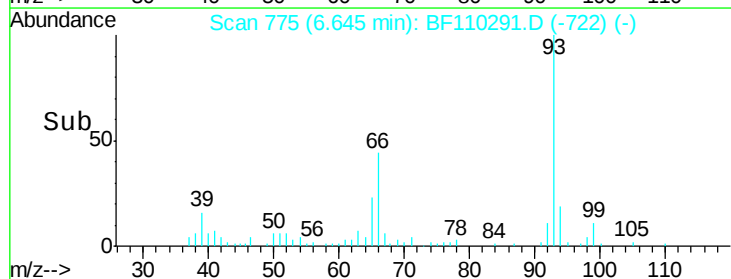
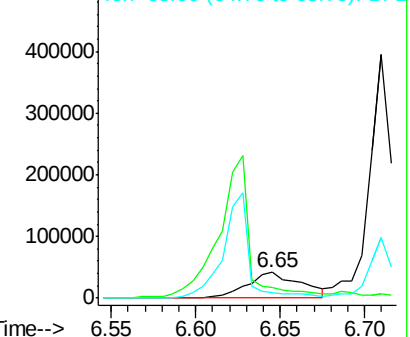
65 23.0 41.0 61.4#

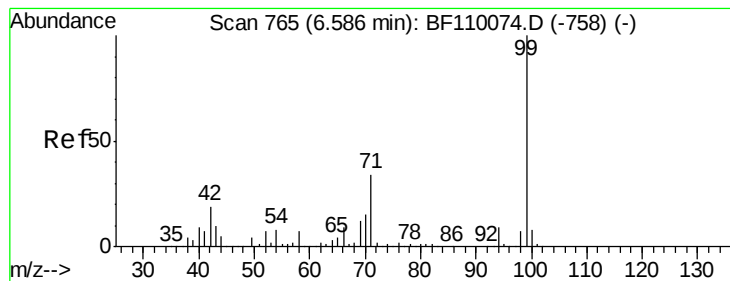


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 128.383 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.02 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

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DL-SED-01MSD

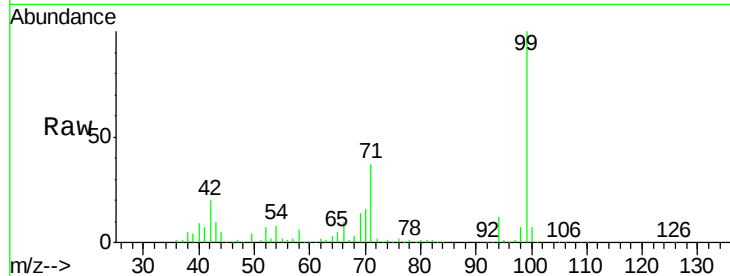
Tgt Ion: 99 Resp: 1137349

Ion Ratio Lower Upper

99 100

42 19.6 15.8 23.6

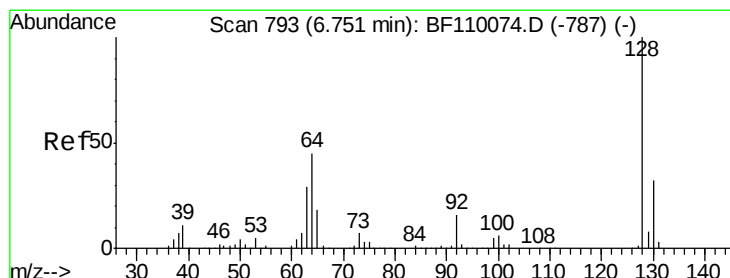
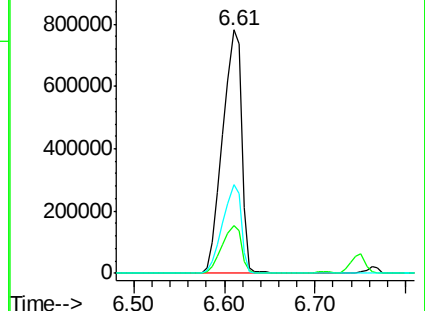
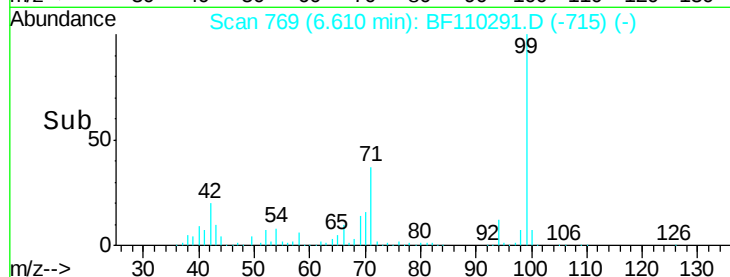
71 36.6 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 42.739 ng

RT: 6.76 min Scan# 795

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

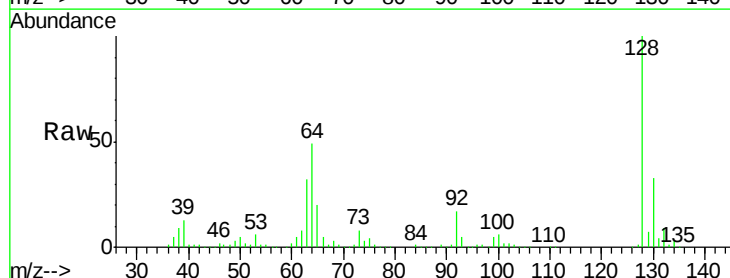
Tgt Ion: 128 Resp: 341278

Ion Ratio Lower Upper

128 100

130 32.8 13.1 53.1

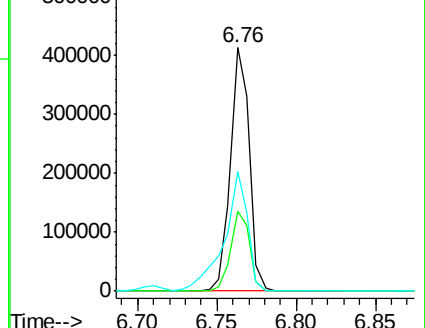
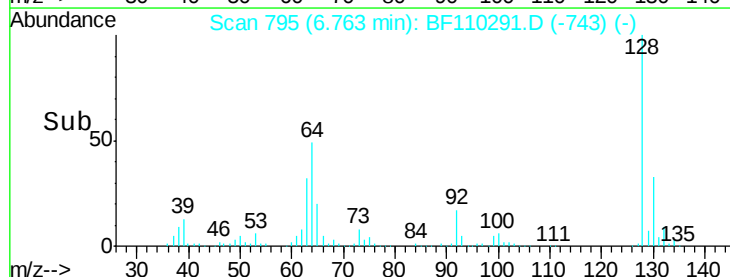
64 48.9 26.0 66.0

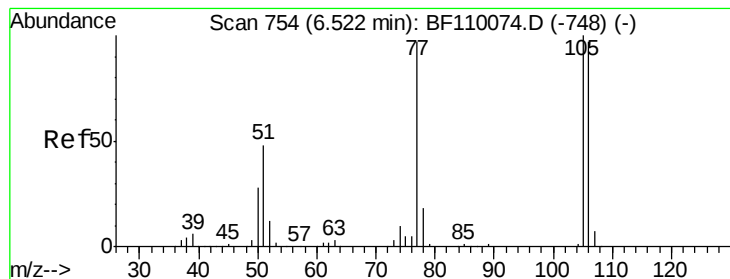


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 27.790 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

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ClientSampleId :

DL-SED-01MSD

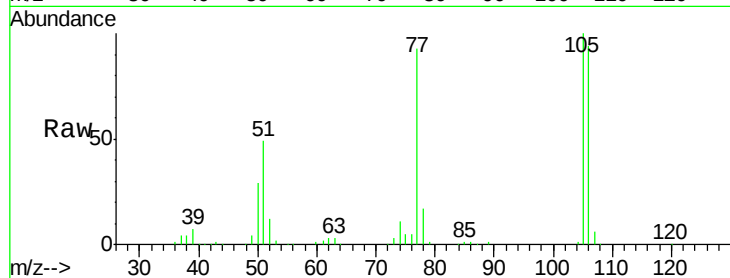
Tgt Ion: 77 Resp: 155987

Ion Ratio Lower Upper

77 100

105 107.0 78.6 118.6

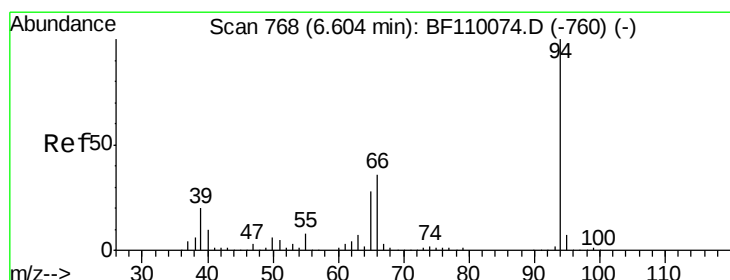
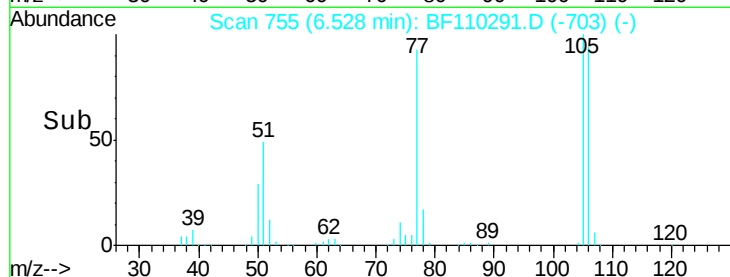
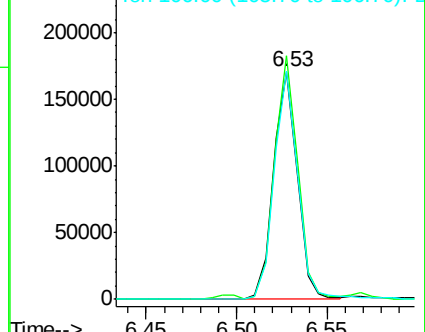
106 100.2 74.8 114.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 56.365 ng

RT: 6.63 min Scan# 772

Delta R.T. 0.02 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

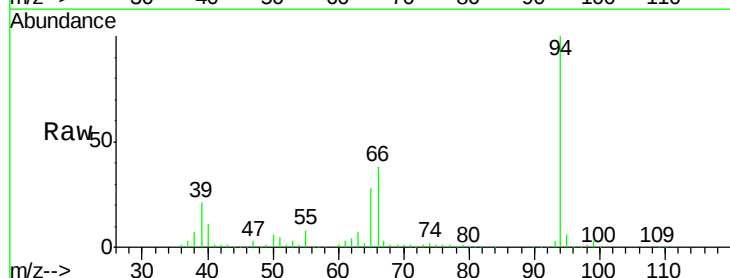
Tgt Ion: 94 Resp: 533753

Ion Ratio Lower Upper

94 100

65 28.1 25.3 65.3

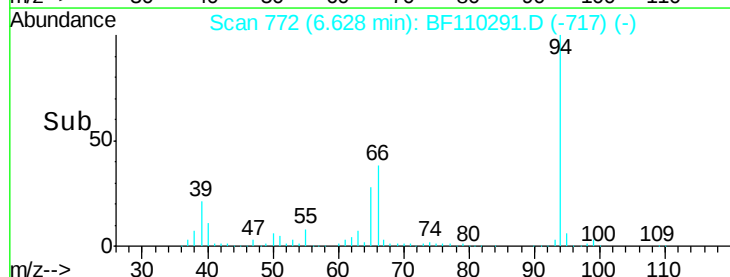
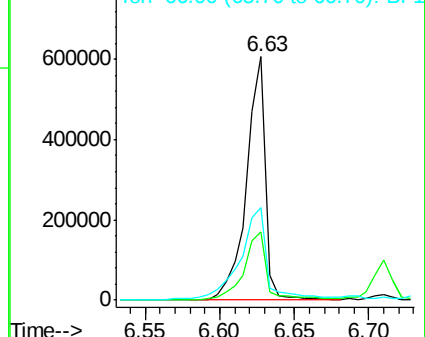
66 38.1 54.5 94.5#

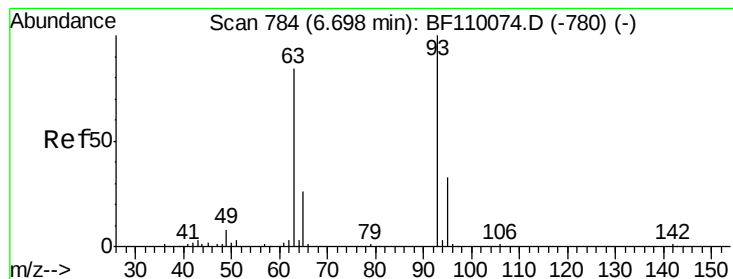


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 47.259 ng

RT: 6.71 min Scan# 786

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

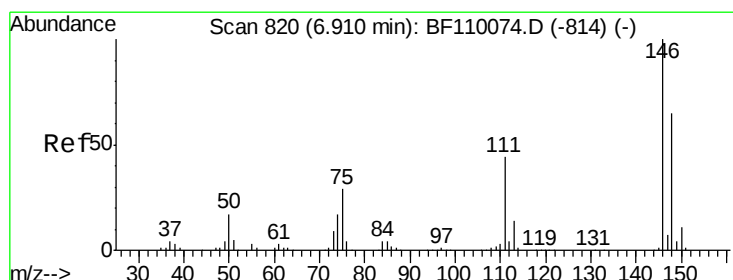
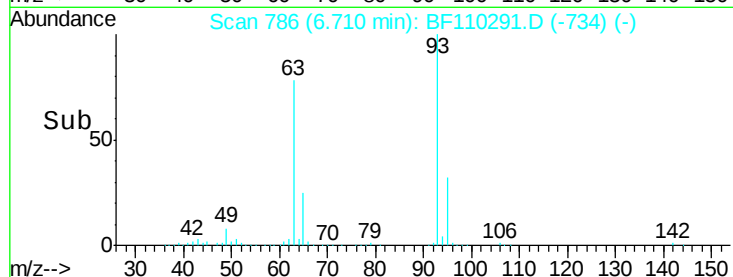
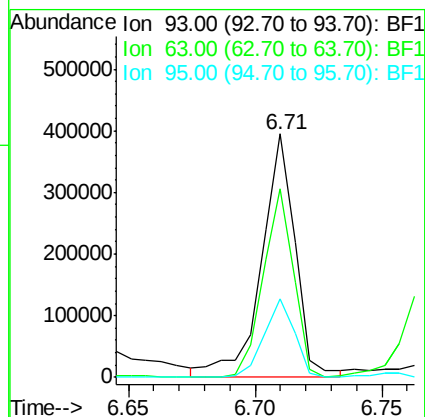
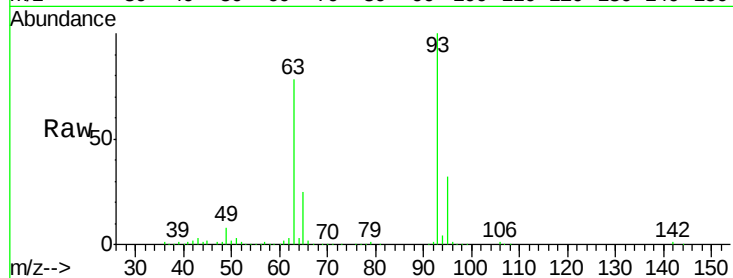
Tgt Ion: 93 Resp: 368190

Ion Ratio Lower Upper

93 100

63 77.5 53.4 93.4

95 32.2 12.1 52.1



#12

1,3-Dichlorobenzene

Concen: 40.909 ng

RT: 6.92 min Scan# 821

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

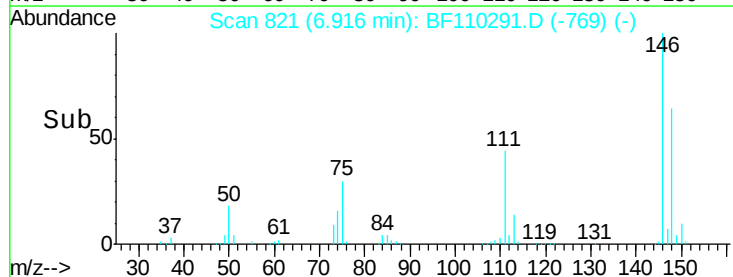
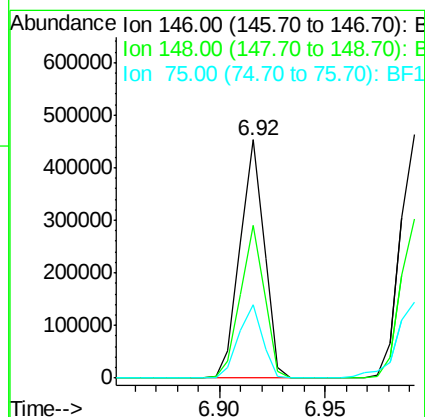
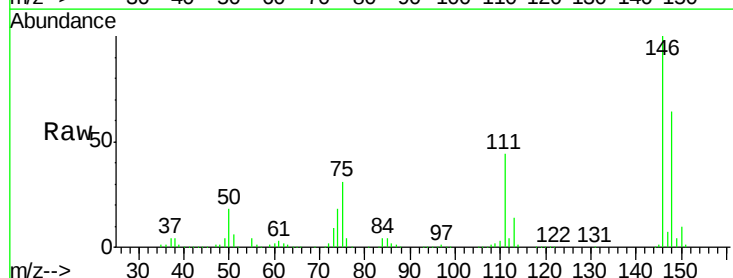
Tgt Ion: 146 Resp: 359489

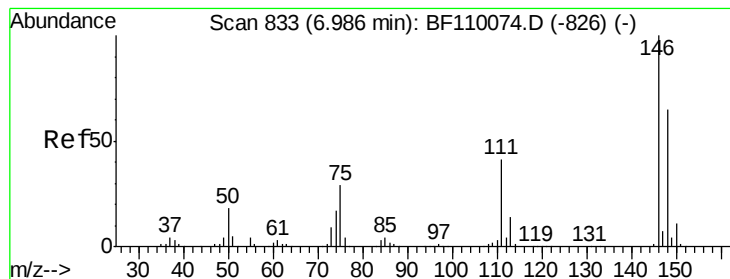
Ion Ratio Lower Upper

146 100

148 63.9 50.4 75.6

75 30.8 25.8 38.6





#13

1,4-Dichlorobenzene

Concen: 40.834 ng

RT: 6.99 min Scan# 834

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

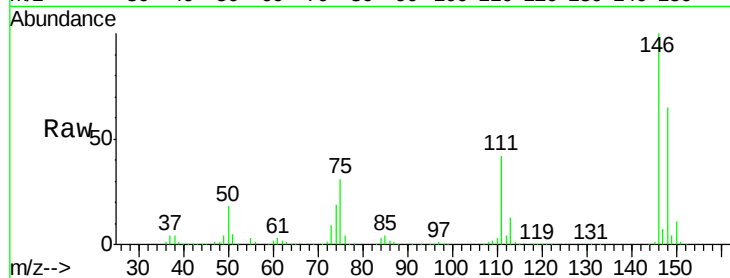
Tgt Ion:146 Resp: 362912

Ion Ratio Lower Upper

146 100

148 65.1 50.3 75.5

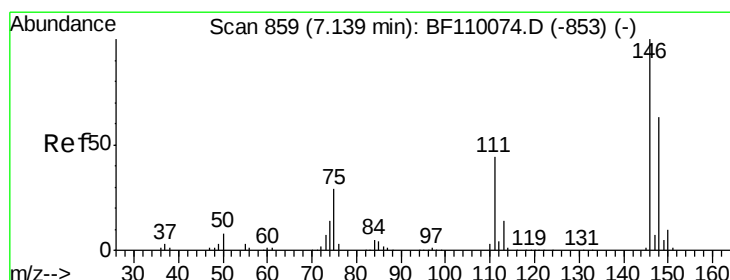
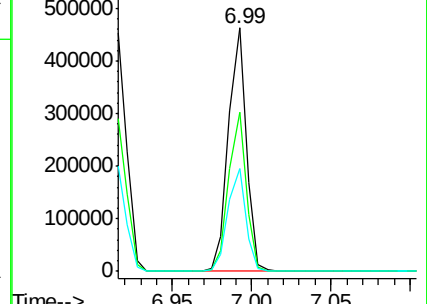
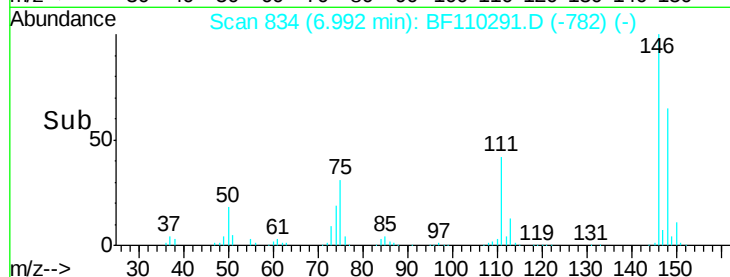
111 42.3 32.7 49.1



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: 41.125 ng

RT: 7.15 min Scan# 860

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

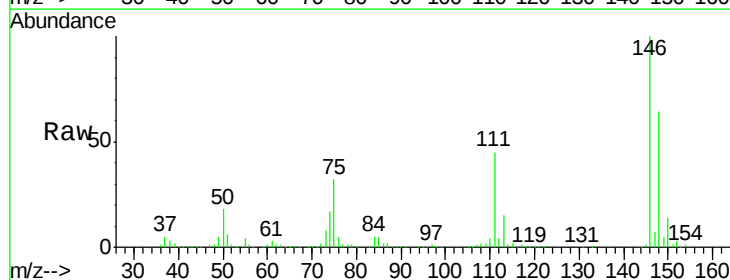
Tgt Ion:146 Resp: 339297

Ion Ratio Lower Upper

146 100

148 63.9 51.1 76.7

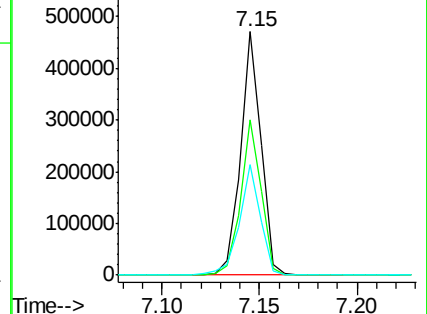
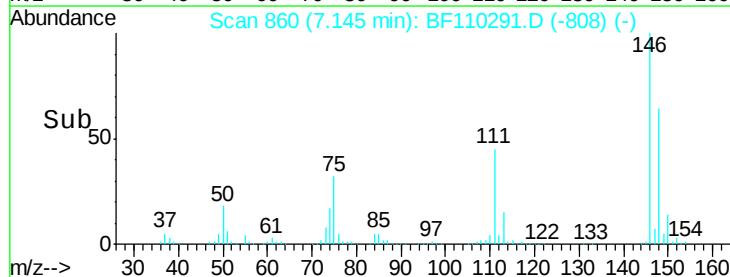
111 45.3 35.8 53.6

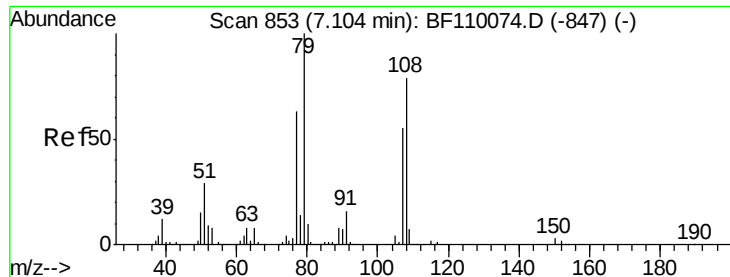


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.533 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

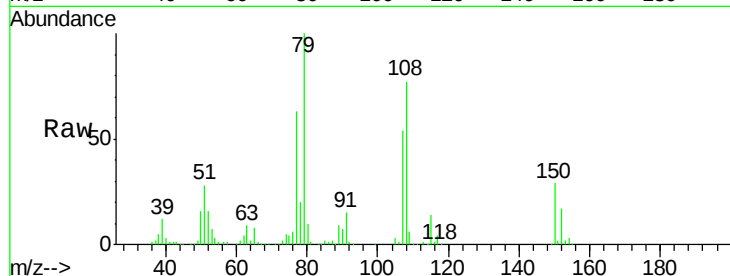
Tgt Ion: 79 Resp: 289802

Ion Ratio Lower Upper

79 100

108 77.1 56.3 84.5

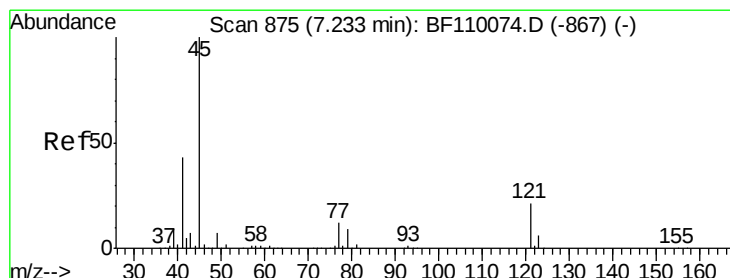
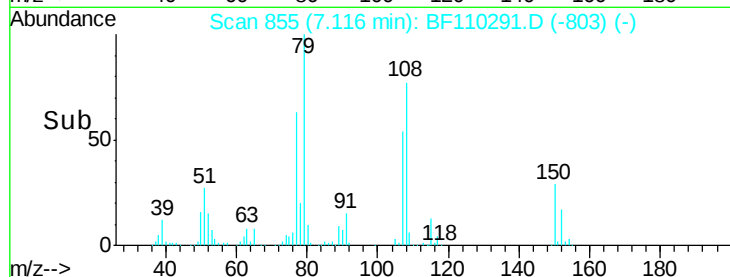
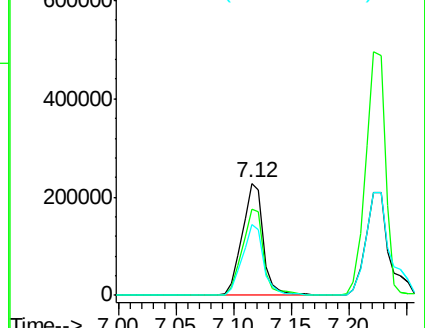
77 63.0 52.9 79.3



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-chloropropane)

Concen: 39.187 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

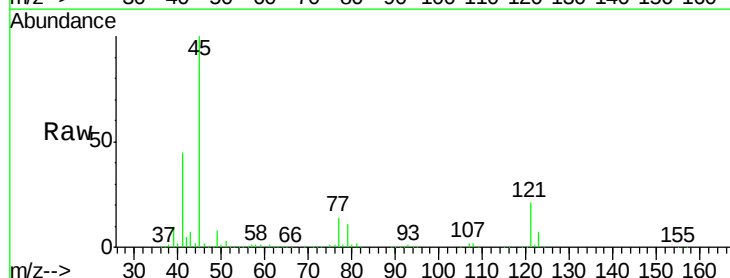
Tgt Ion: 45 Resp: 488139

Ion Ratio Lower Upper

45 100

77 13.9 10.0 50.0

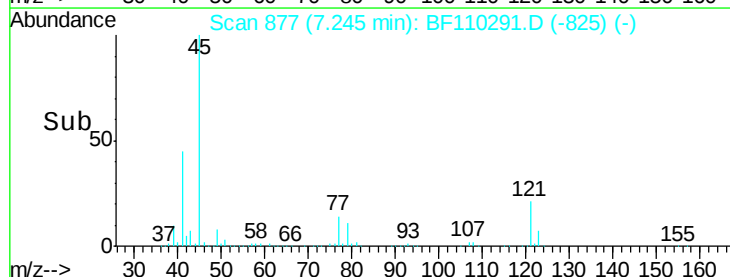
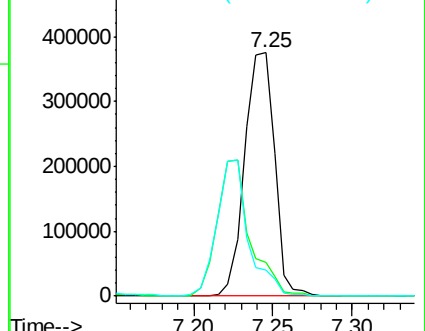
79 10.8 6.1 46.1

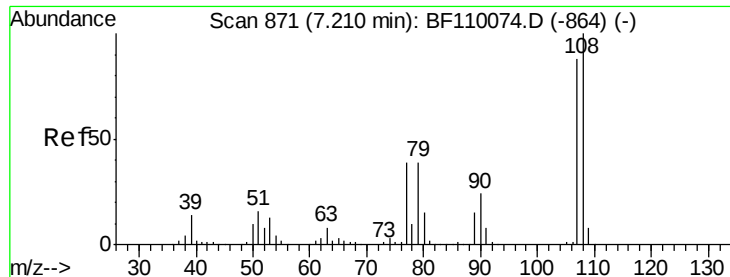


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 82.671 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion:107 Resp: 526110

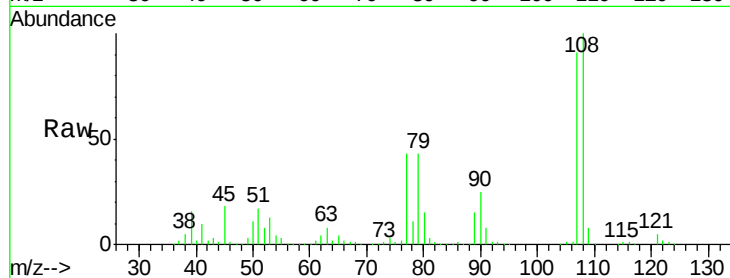
Ion Ratio Lower Upper

107 100

108 110.2 92.6 138.8

77 47.4 59.4 89.2#

79 47.1 54.0 81.0#

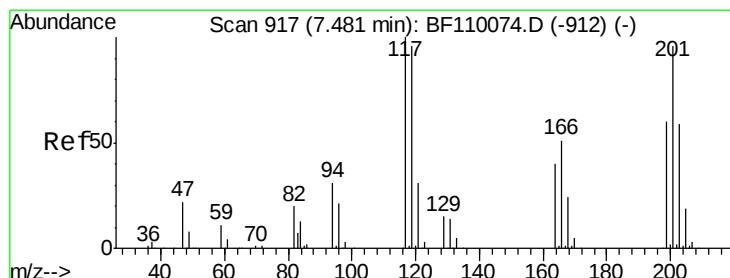
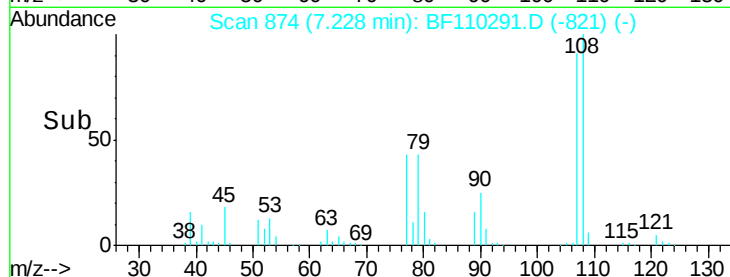
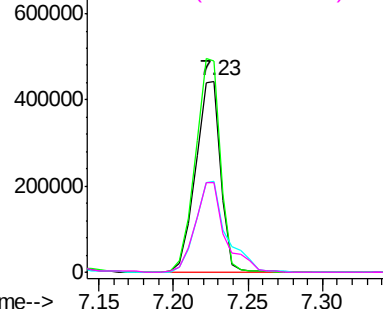


Abundance Ion 107.00 (106.70 to 107.70): E

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: 31.912 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.00 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

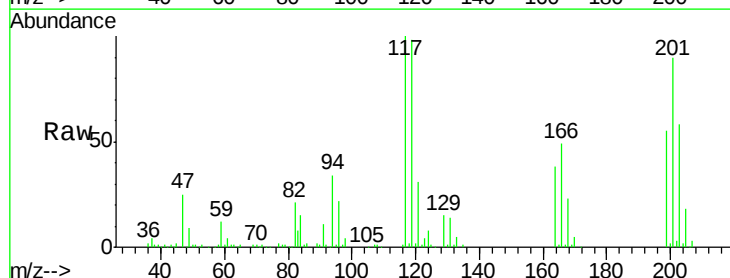
Tgt Ion:117 Resp: 103837

Ion Ratio Lower Upper

117 100

119 98.3 75.0 112.6

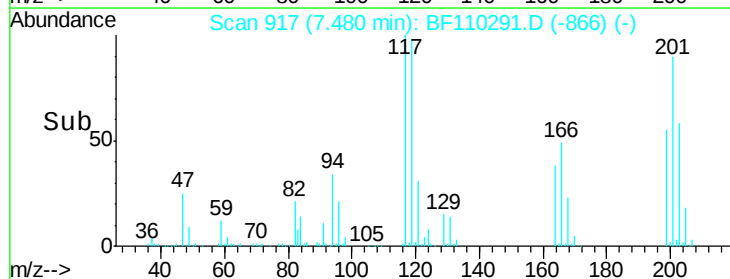
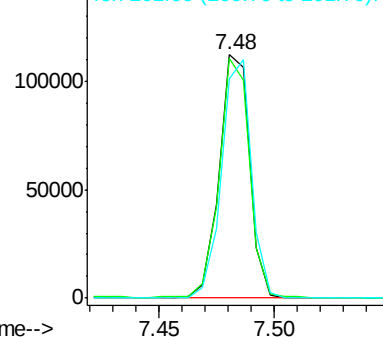
201 90.1 79.2 118.8

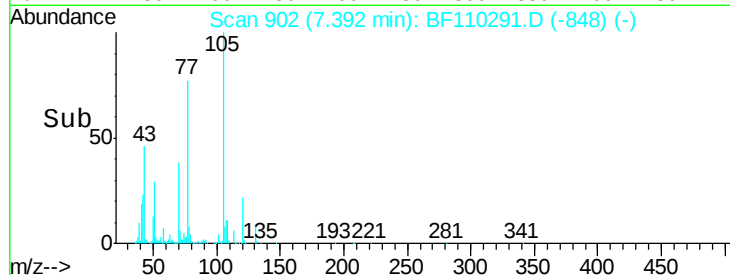
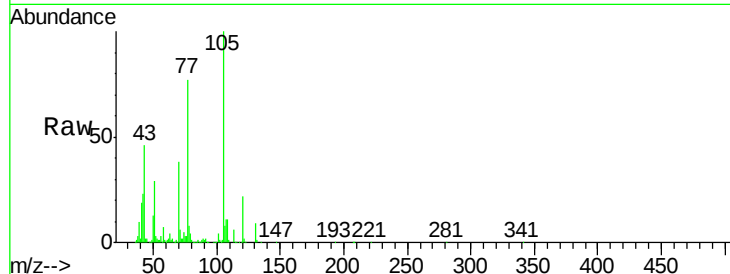
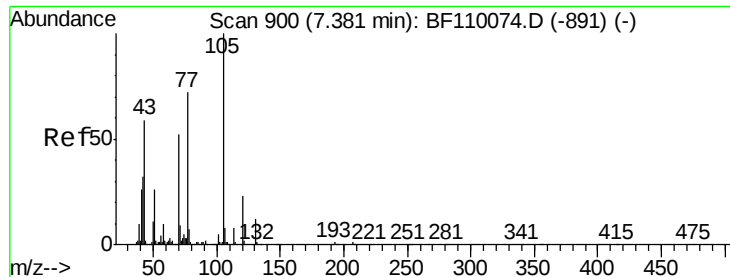


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

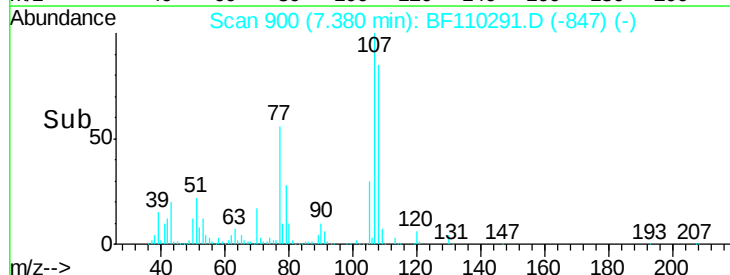
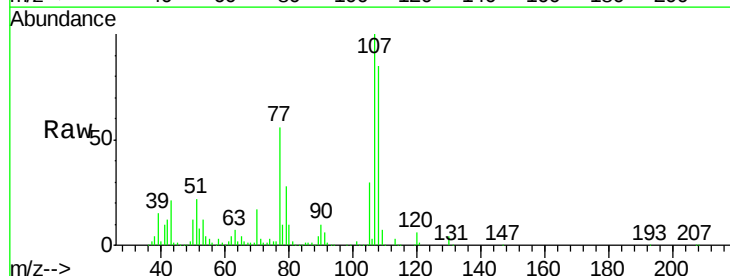
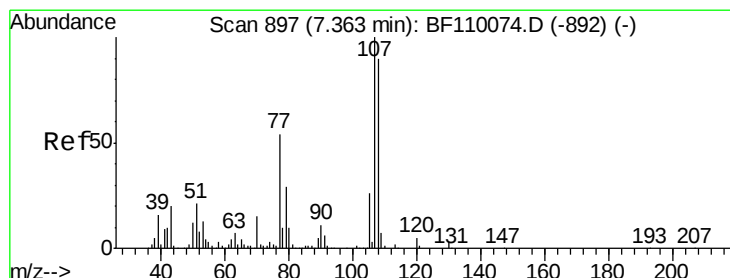
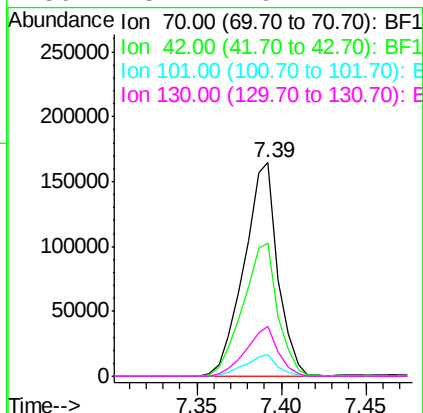




#19
n-Nitroso-di-n-propylamine
Concen: 40.328 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.02 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

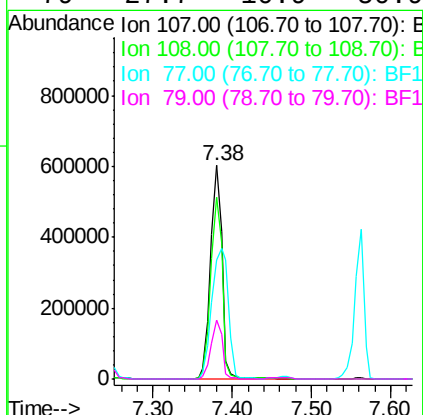
Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

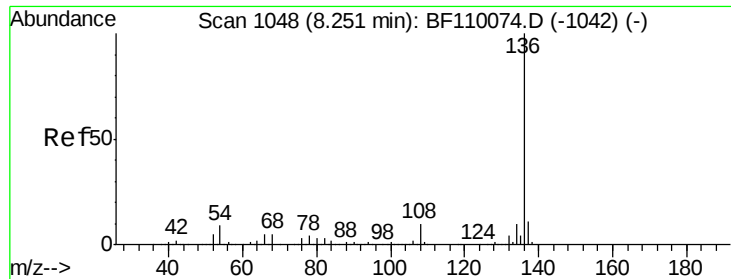
Tgt Ion:	70	Resp:	229202
Ion	Ratio	Lower	Upper
70	100		
42	62.3	47.4	71.2
101	10.2	7.3	10.9
130	23.4	16.2	24.2



#20
3+4-Methylphenols
Concen: 73.494 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:	107	Resp:	604563
Ion	Ratio	Lower	Upper
107	100		
108	85.4	71.4	111.4
77	55.8	47.3	87.3
79	27.7	10.9	50.9





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion:136 Resp: 432876

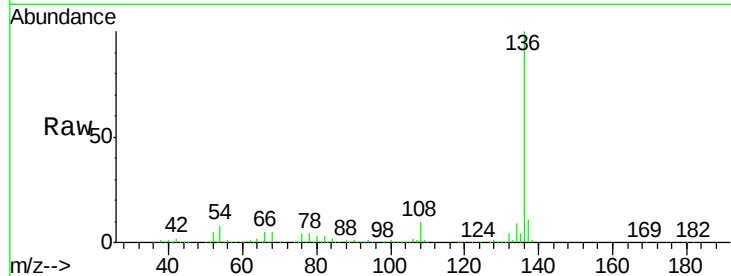
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 8.4 5.4 8.2#

68 5.4 4.2 6.2

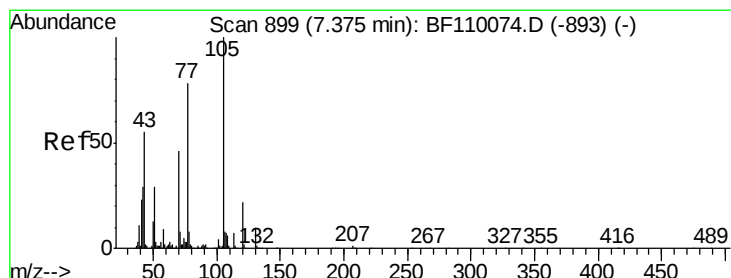
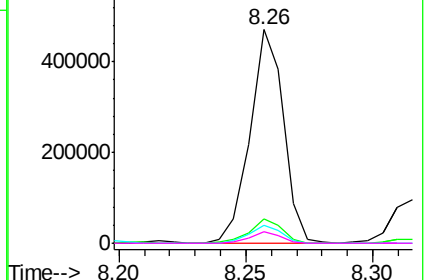
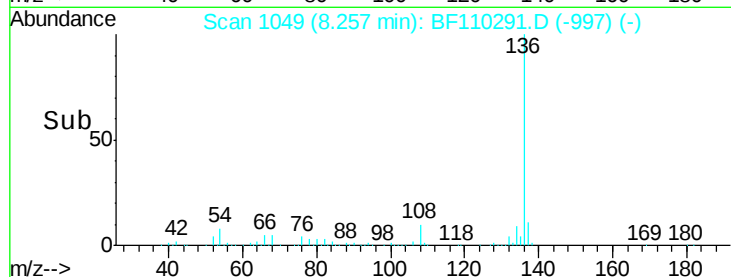


Abundance Ion 136.00 (135.70 to 136.70): E

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: 46.438 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Tgt Ion:105 Resp: 463196

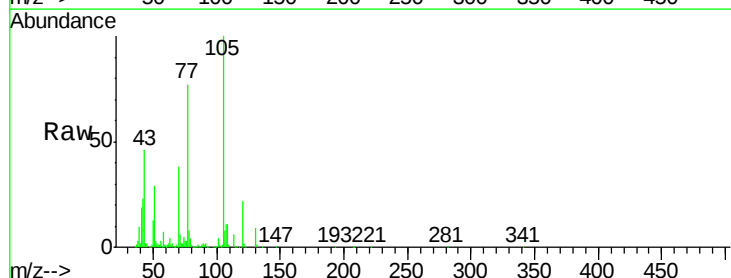
Ion Ratio Lower Upper

105 100

71 6.0 5.2 7.8

51 28.5 21.8 32.8

120 22.3 17.0 25.4

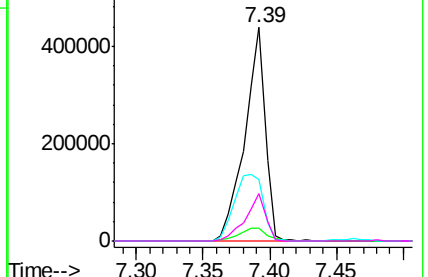
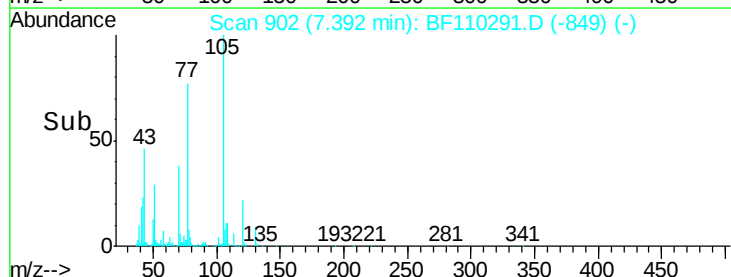


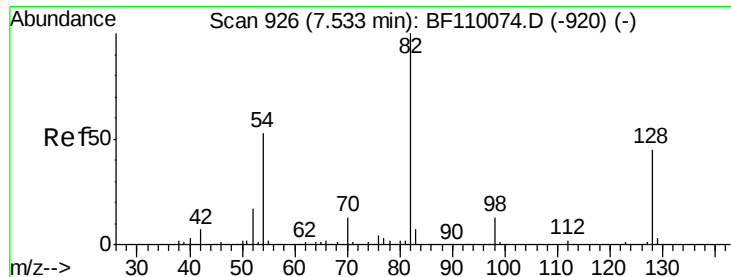
Abundance Ion 105.00 (104.70 to 105.70): E

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

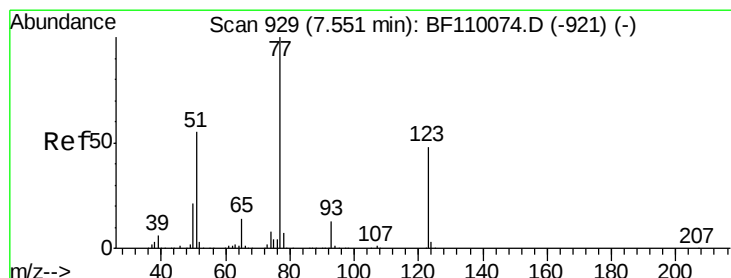
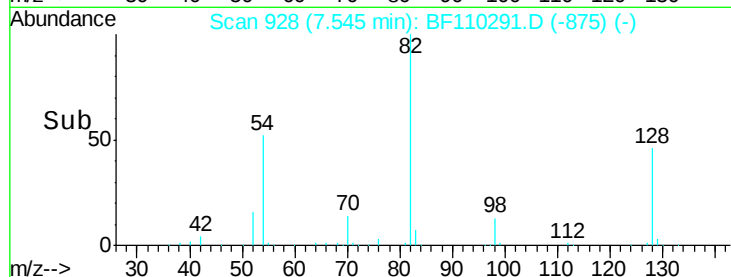
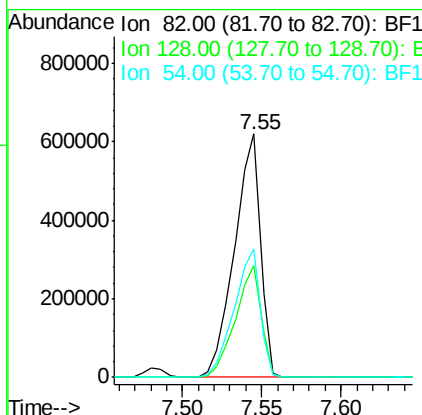
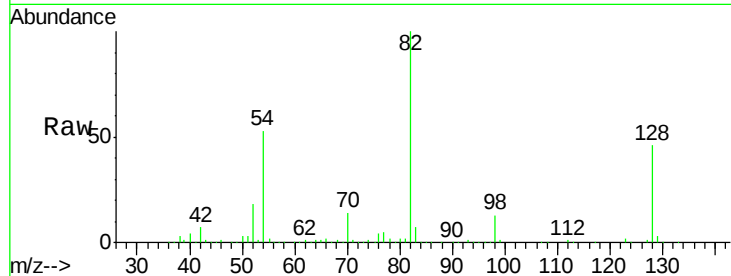




#23
 Nitrobenzene-d5
 Concen: 96.553 ng
 RT: 7.55 min Scan# 928
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

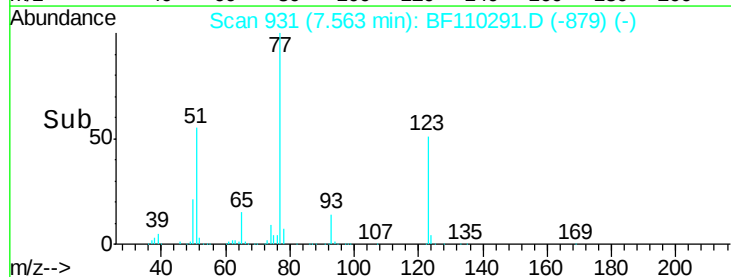
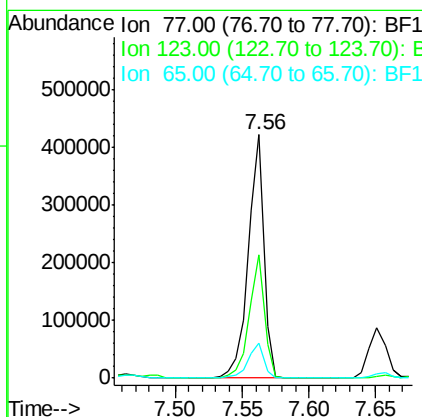
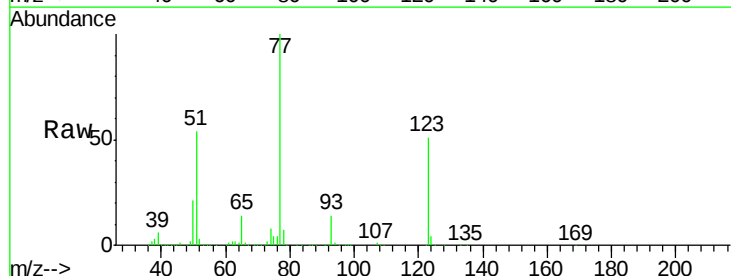
Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

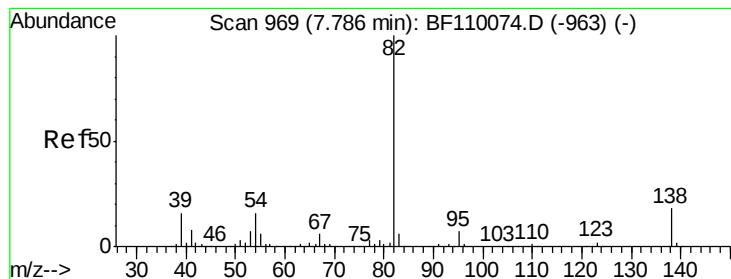
Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.1	34.2	51.2
54	52.6	38.6	58.0



#24
 Nitrobenzene
 Concen: 44.688 ng
 RT: 7.56 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion	Ratio	Lower	Upper
77	100		
123	50.6	35.7	53.5
65	14.5	10.7	16.1





#25

Isophorone

Concen: 50.522 ng

RT: 7.81 min Scan# 973

Delta R.T. 0.02 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

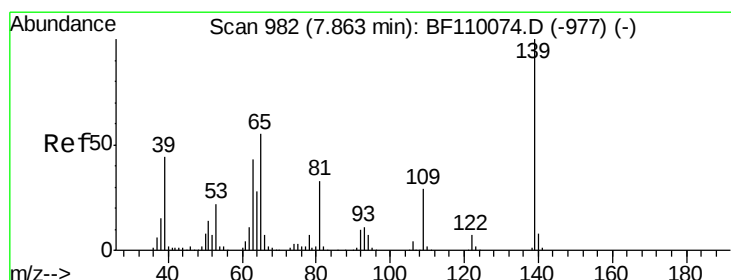
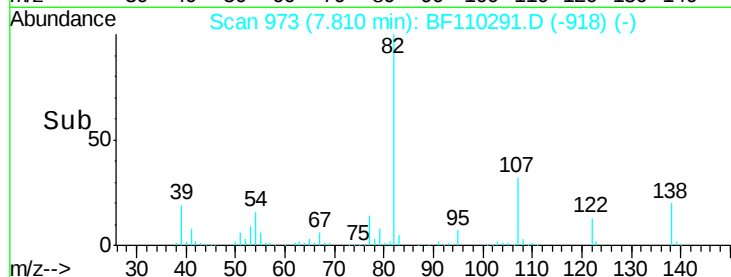
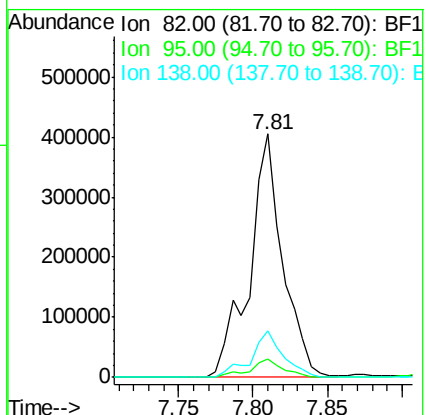
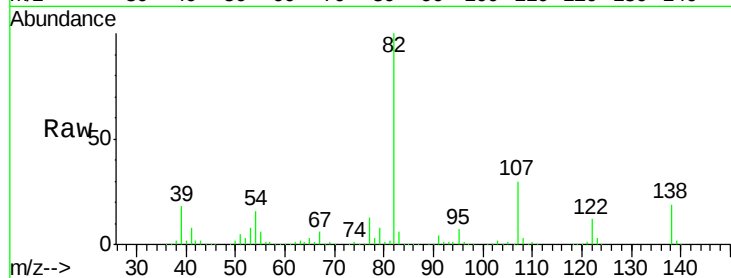
Tgt Ion: 82 Resp: 628519

Ion Ratio Lower Upper

82 100

95 7.3 5.7 8.5

138 19.2 13.2 19.8



#26

2-Nitrophenol

Concen: 39.201 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

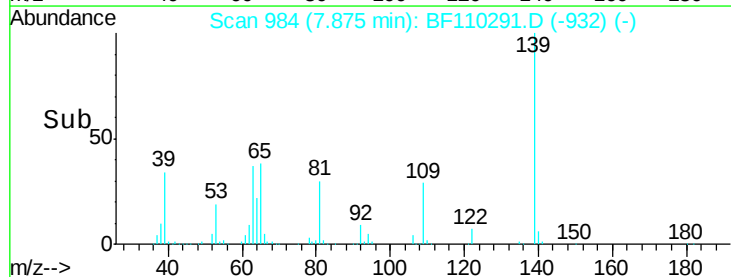
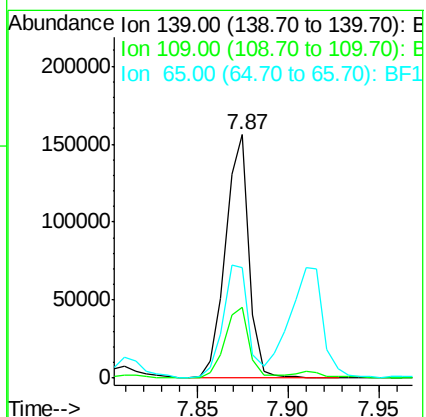
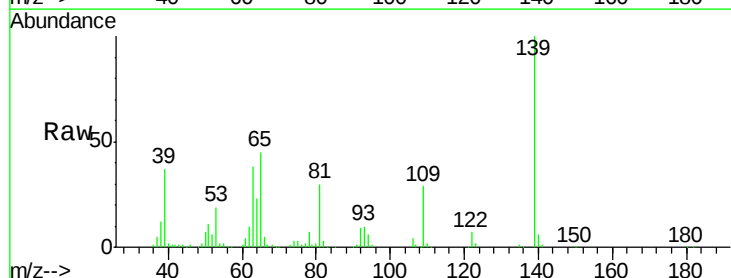
Tgt Ion: 139 Resp: 140557

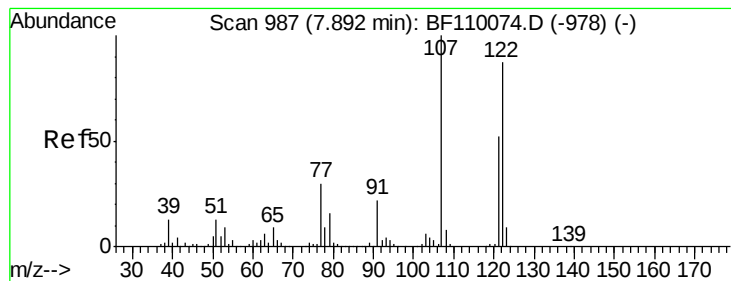
Ion Ratio Lower Upper

139 100

109 29.2 25.0 37.6

65 45.4 44.0 66.0





#27

2,4-Dimethylphenol

Concen: 156.836 ng

RT: 7.92 min Scan# 991

Delta R.T. 0.02 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

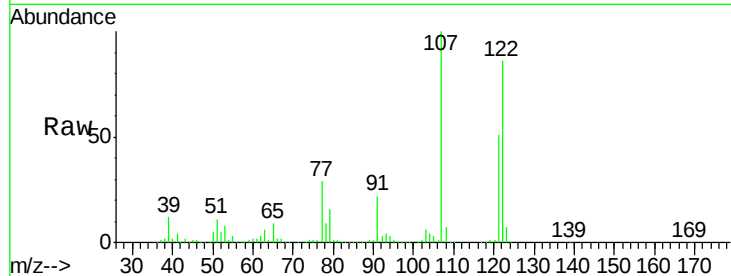
Tgt Ion:122 Resp: 932338

Ion Ratio Lower Upper

122 100

107 116.3 92.5 138.7

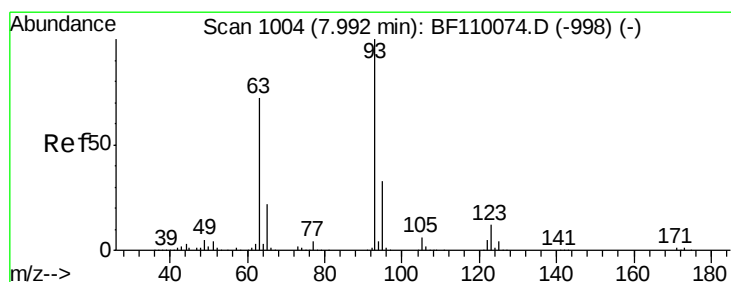
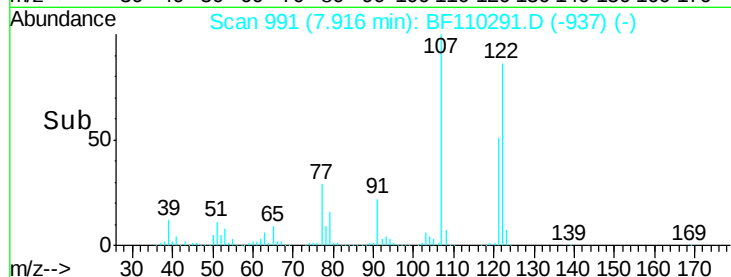
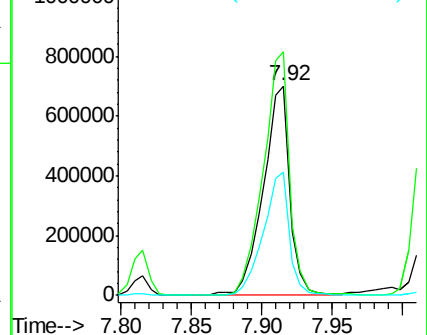
121 58.9 45.8 68.8



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: 47.909 ng

RT: 8.00 min Scan# 1005

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

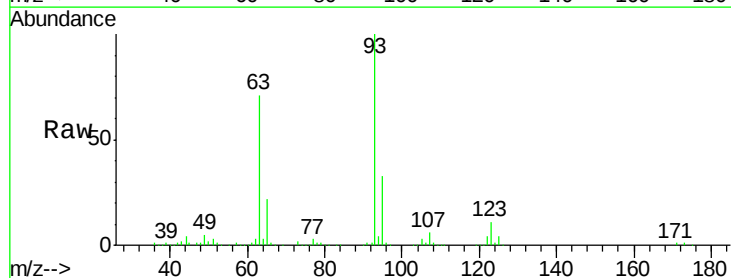
Tgt Ion: 93 Resp: 404889

Ion Ratio Lower Upper

93 100

95 32.9 26.4 39.6

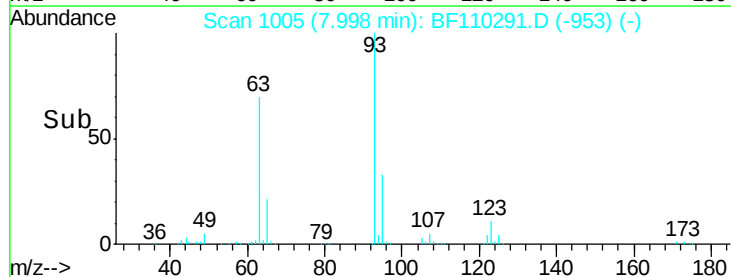
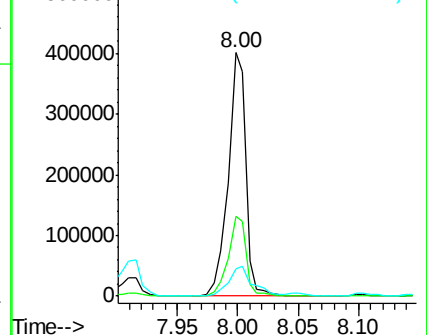
123 11.3 9.0 13.6

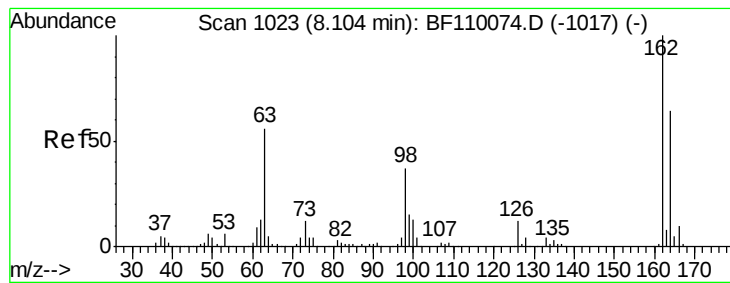


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 43.418 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

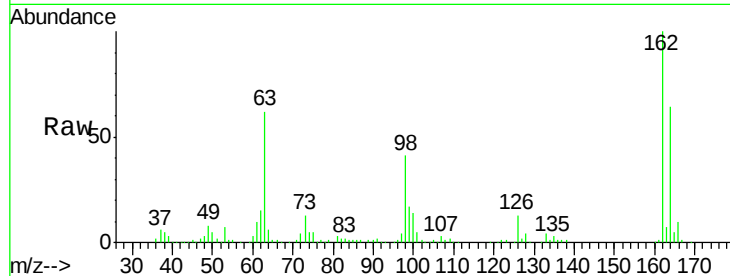
Tgt Ion:162 Resp: 260759

Ion Ratio Lower Upper

162 100

164 64.1 44.6 84.6

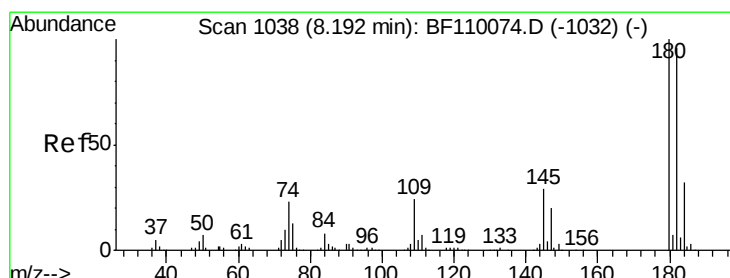
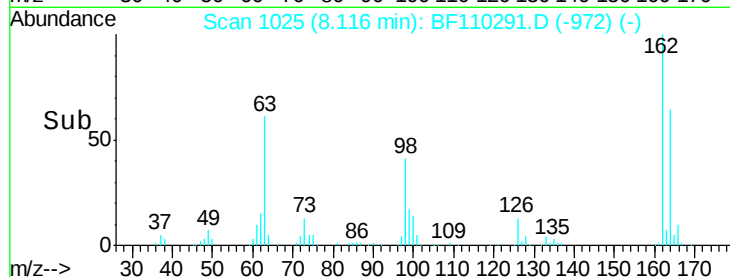
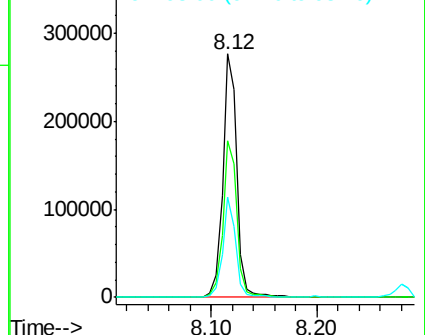
98 40.9 17.4 57.4



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: 43.589 ng

RT: 8.20 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

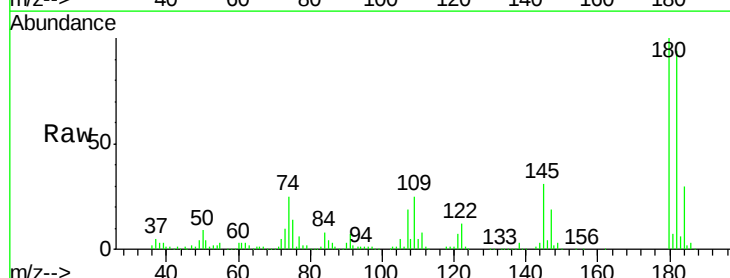
Tgt Ion:180 Resp: 293234

Ion Ratio Lower Upper

180 100

182 94.4 80.3 120.5

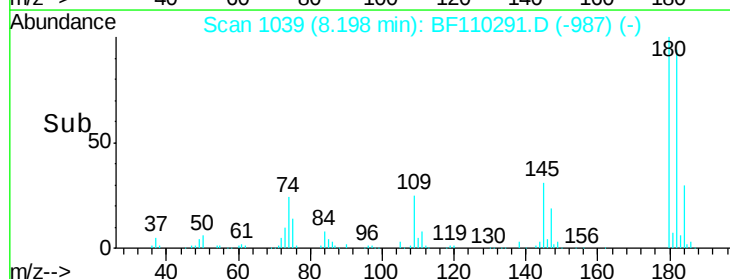
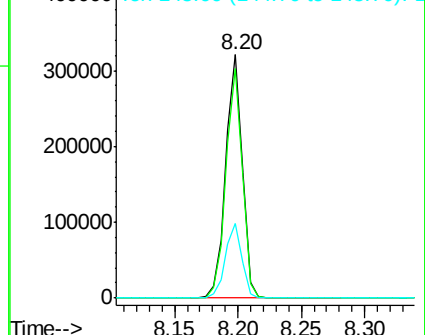
145 30.9 25.4 38.0

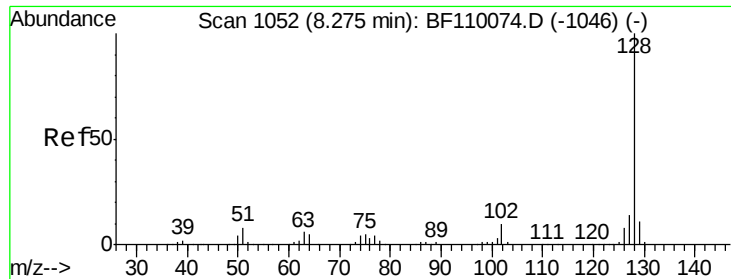


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E

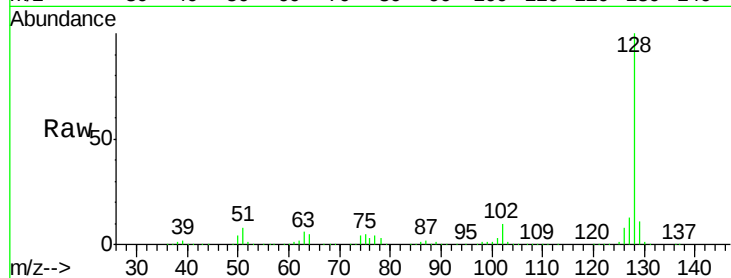




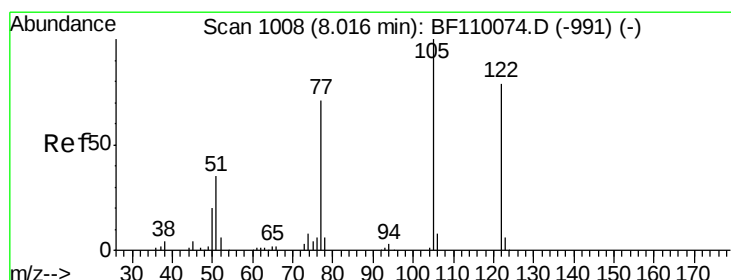
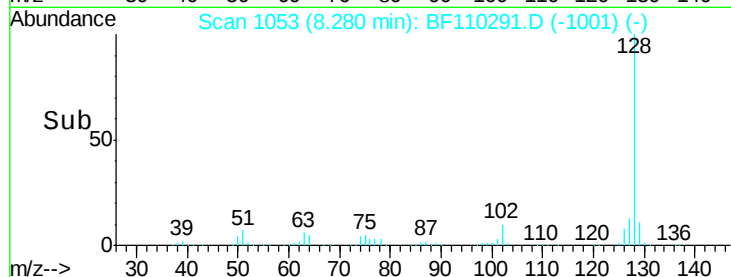
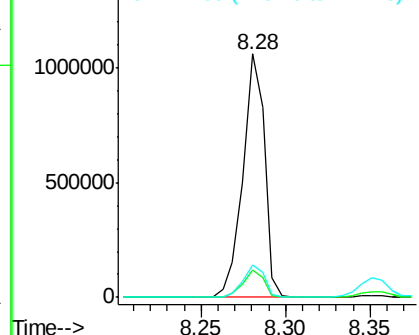
#31
Naphthalene
Concen: 47.466 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion:128 Resp: 946979
Ion Ratio Lower Upper
128 100
129 11.4 8.8 13.2
127 13.5 10.8 16.2

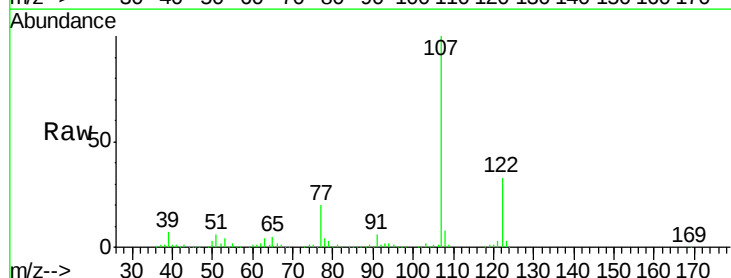


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

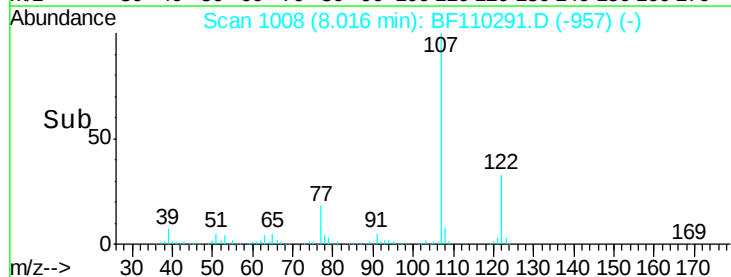
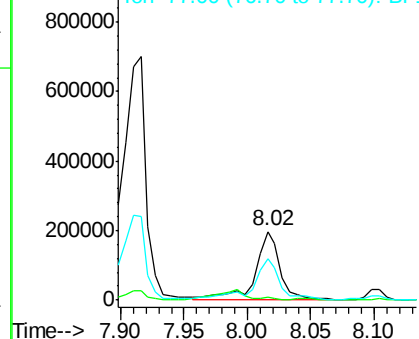


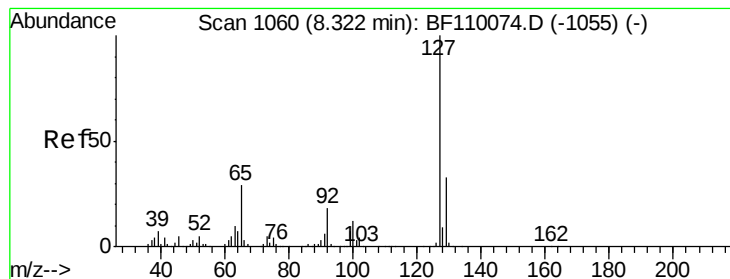
#32
Benzoic acid
Concen: 60.036 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:122 Resp: 275836
Ion Ratio Lower Upper
122 100
105 3.5 109.0 149.0#
77 60.5 79.0 119.0#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

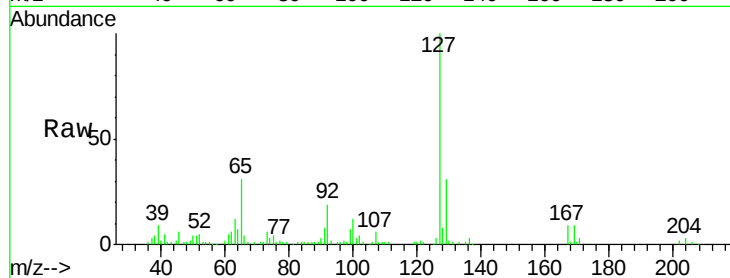




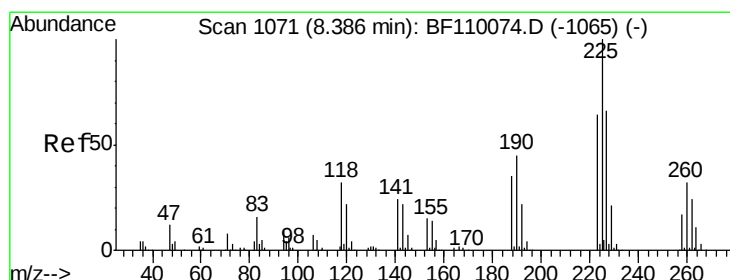
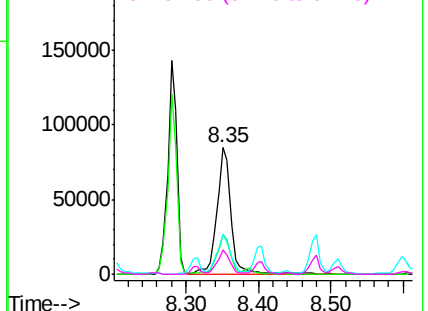
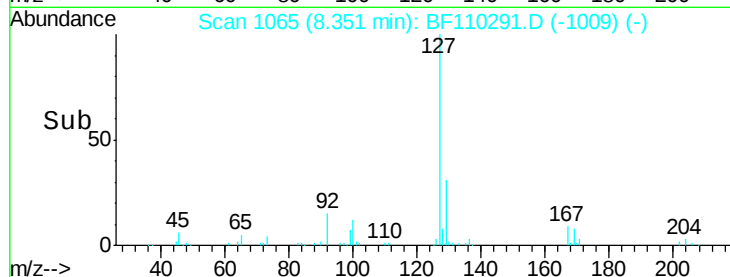
#33
4-Chloroaniline
Concen: 12.936 ng
RT: 8.35 min Scan# 1065
Delta R.T. 0.03 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion:	127	Resp:	116150
Ion	Ratio	Lower	Upper
127	100		
129	31.2	26.0	39.0
65	31.2	25.1	37.7
92	19.0	15.0	22.6

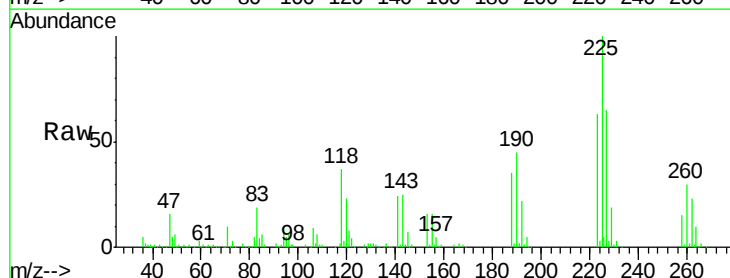


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

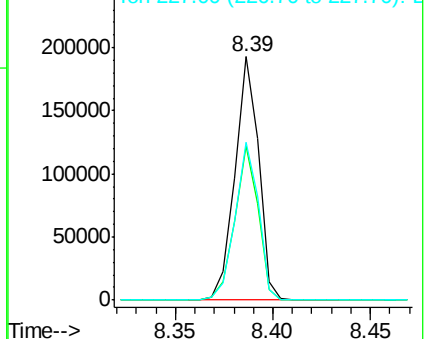
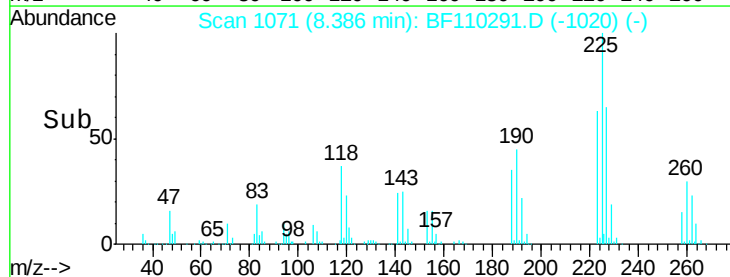


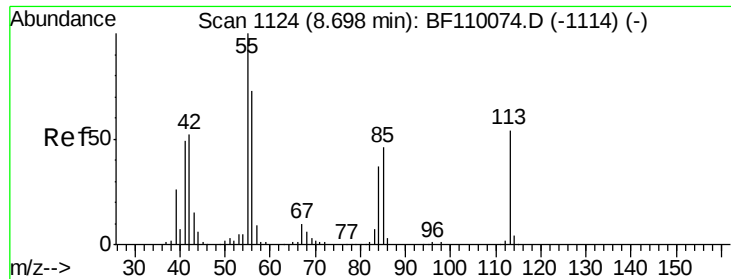
#34
Hexachlorobutadiene
Concen: 43.358 ng
RT: 8.39 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:	225	Resp:	161953
Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.4	77.2
227	64.6	51.0	76.6



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

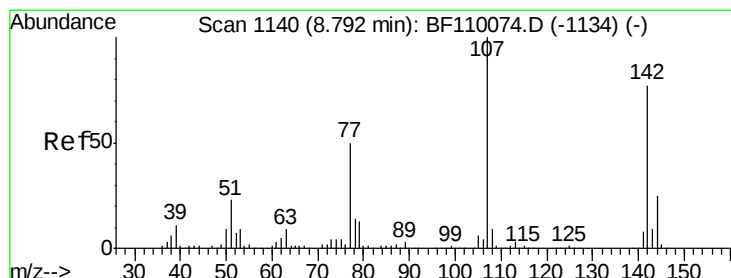
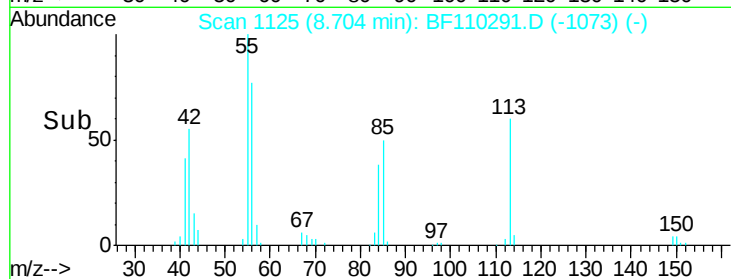
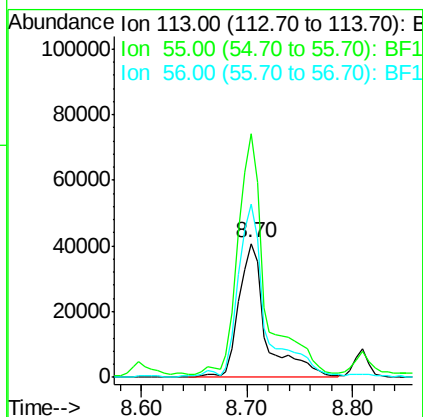
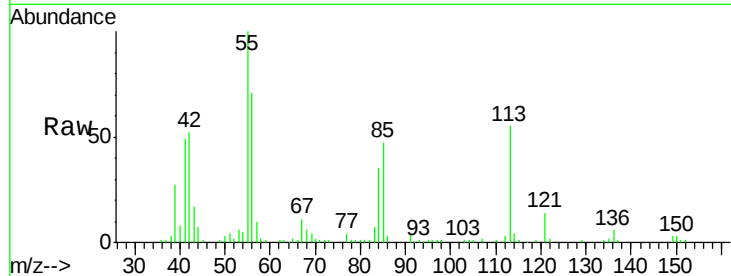




#35
 Caprolactam
 Concen: 34.758 ng
 RT: 8.70 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

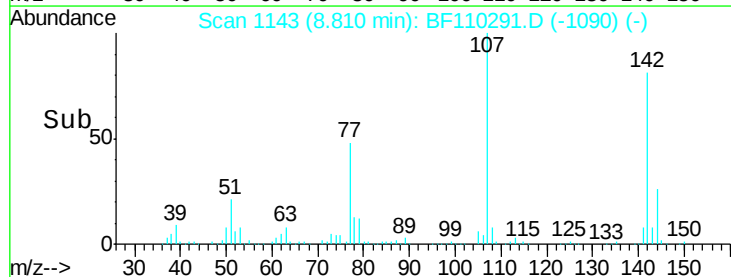
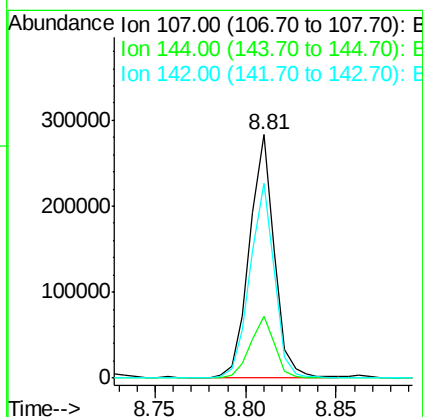
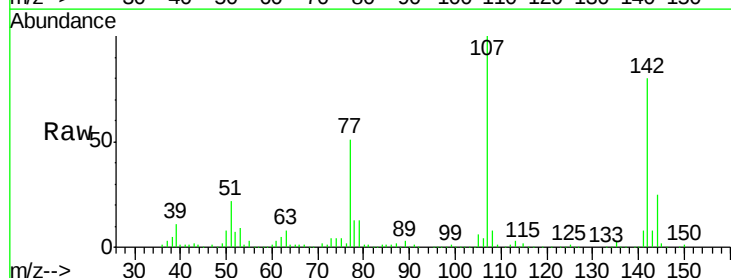
Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

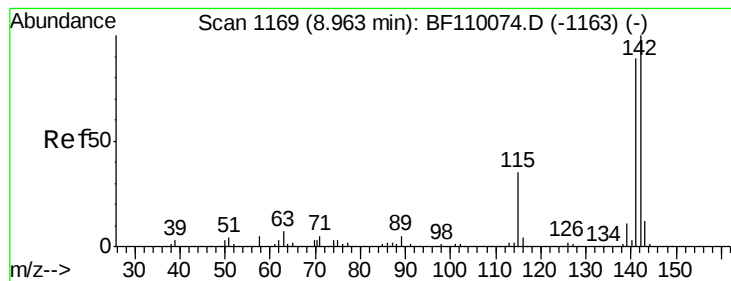
Tgt Ion:113 Resp: 72759
 Ion Ratio Lower Upper
 113 100
 55 181.6 142.8 182.8
 56 129.4 105.0 145.0



#36
 4-Chloro-3-methylphenol
 Concen: 41.458 ng
 RT: 8.81 min Scan# 1143
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion:107 Resp: 269245
 Ion Ratio Lower Upper
 107 100
 144 25.3 20.0 30.0
 142 80.1 59.7 89.5





#37

2-Methylnaphthalene

Concen: 46.945 ng

RT: 8.97 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

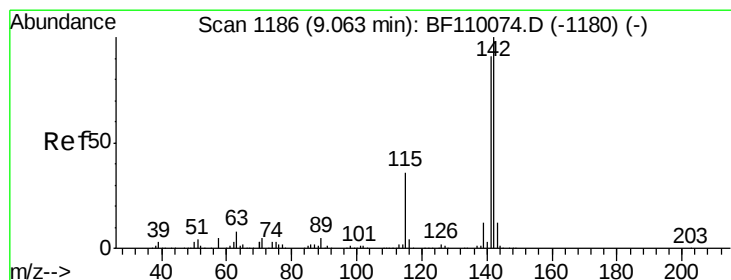
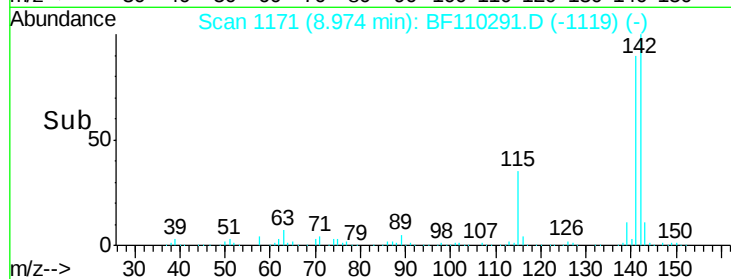
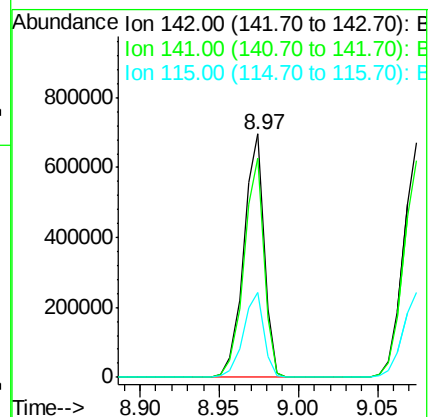
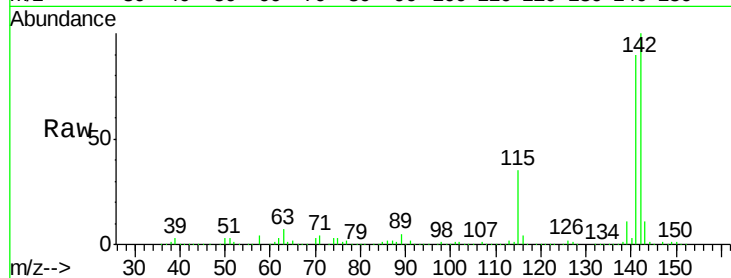
Tgt Ion:142 Resp: 619676

Ion Ratio Lower Upper

142 100

141 90.2 71.4 107.2

115 34.8 28.7 43.1



#38

1-Methylnaphthalene

Concen: 44.980 ng

RT: 9.07 min Scan# 1188

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

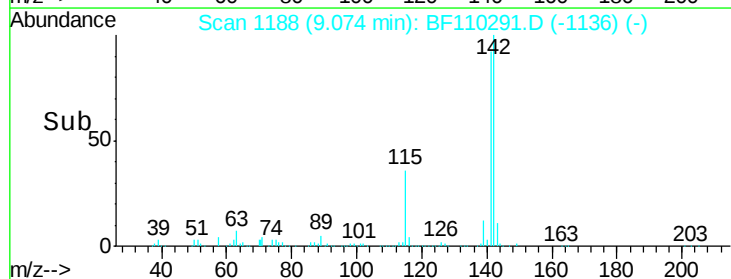
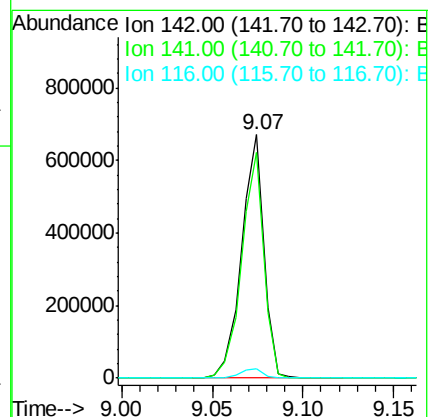
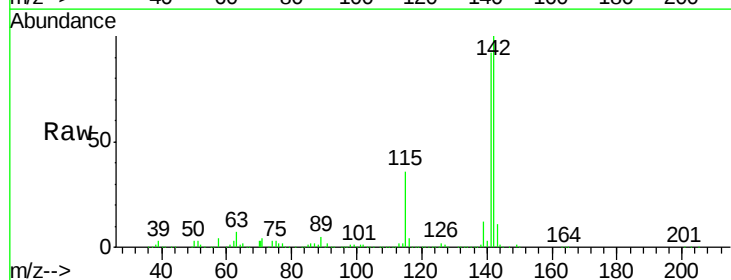
Tgt Ion:142 Resp: 573773

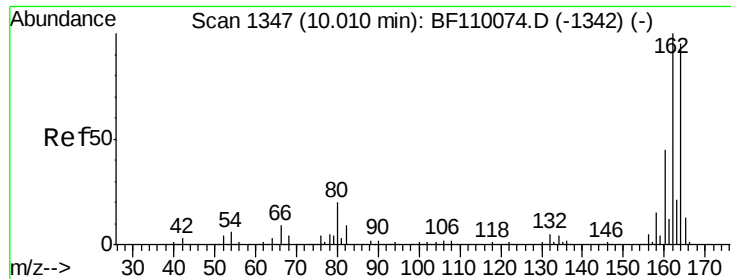
Ion Ratio Lower Upper

142 100

141 92.5 74.2 111.4

116 3.6 2.6 4.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

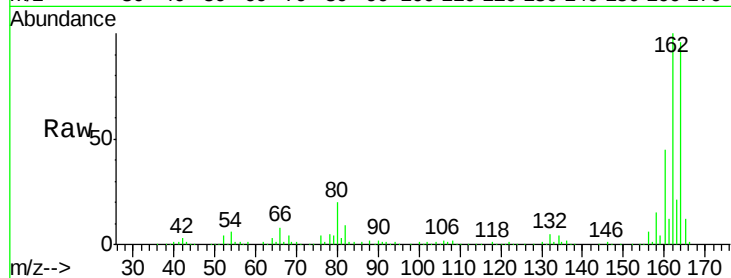
Tgt Ion:164 Resp: 179084

Ion Ratio Lower Upper

164 100

162 104.0 83.0 124.6

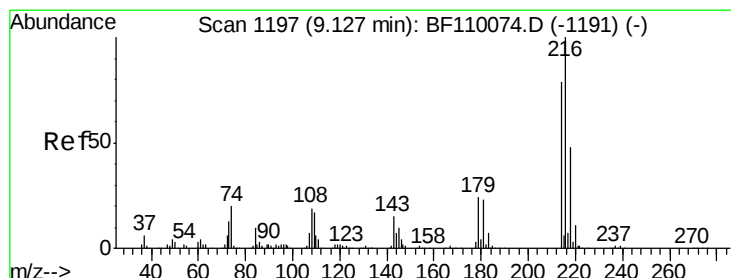
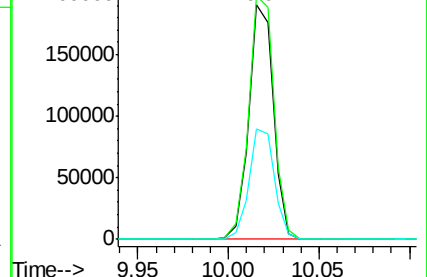
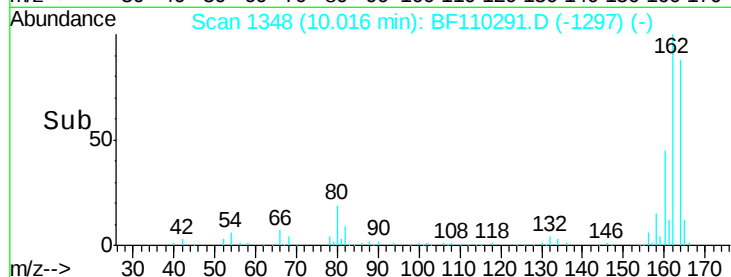
160 47.1 37.0 55.6



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: 46.272 ng

RT: 9.14 min Scan# 1199

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Tgt Ion:216 Resp: 258191

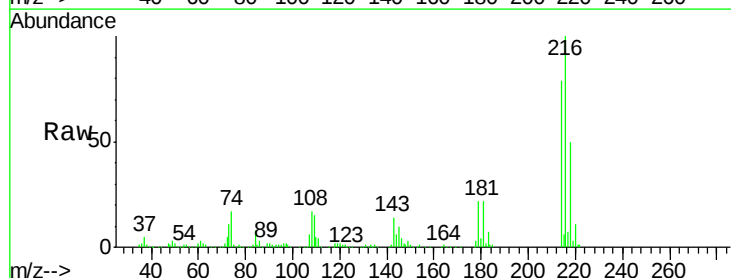
Ion Ratio Lower Upper

216 100

214 79.9 63.8 95.6

179 23.2 16.6 25.0

108 18.8 15.1 22.7

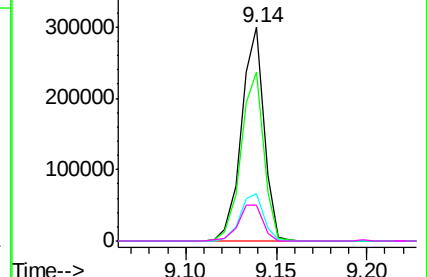
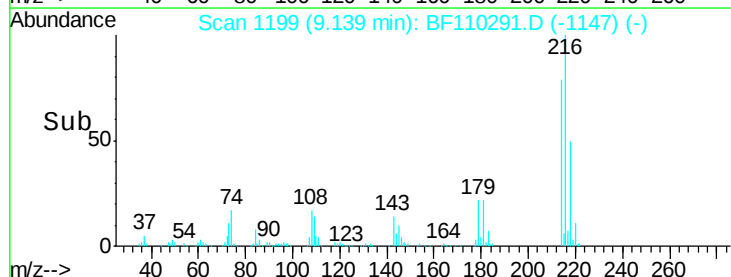


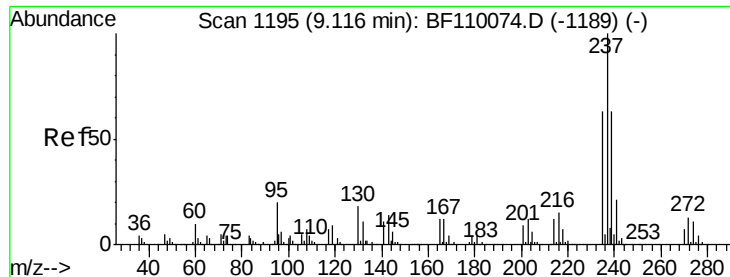
Abundance Ion 216.00 (215.70 to 216.70): E

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: 4.051 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

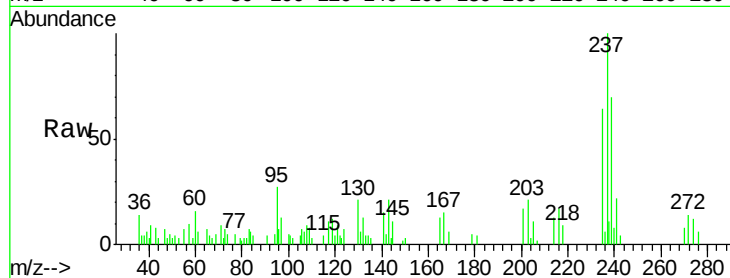
Tgt Ion: 237 Resp: 11557

Ion Ratio Lower Upper

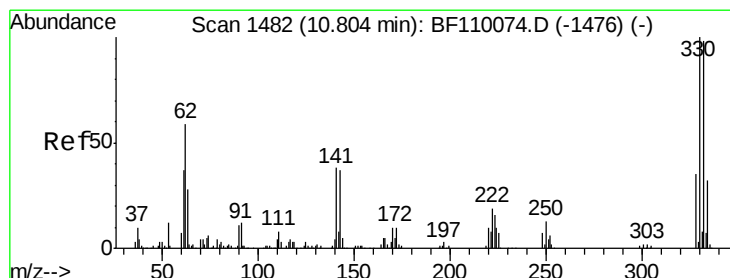
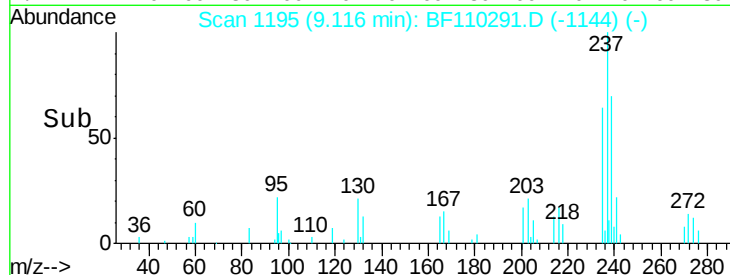
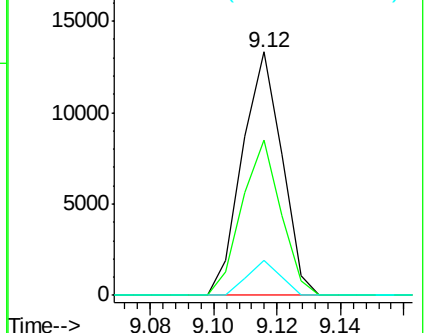
237 100

235 63.8 43.1 83.1

272 14.1 0.0 32.6



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: 107.645 ng

RT: 10.82 min Scan# 1484

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

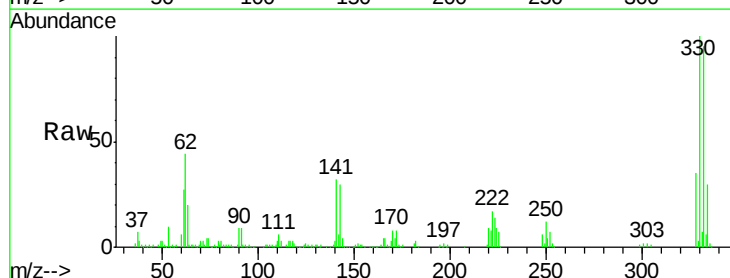
Tgt Ion: 330 Resp: 190956

Ion Ratio Lower Upper

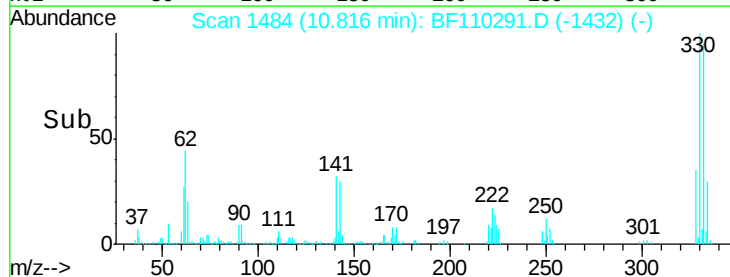
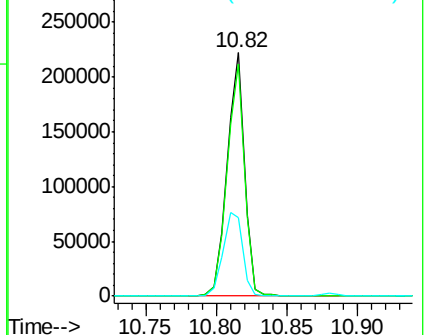
330 100

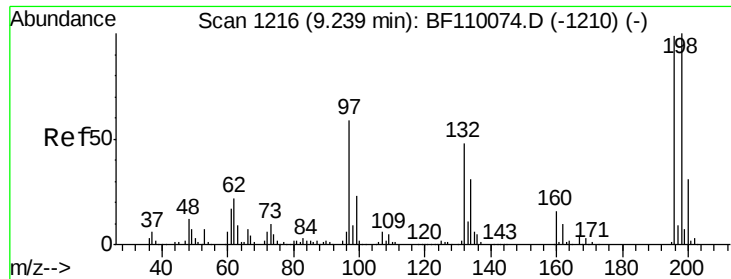
332 96.0 77.1 115.7

141 39.1 27.0 40.4



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

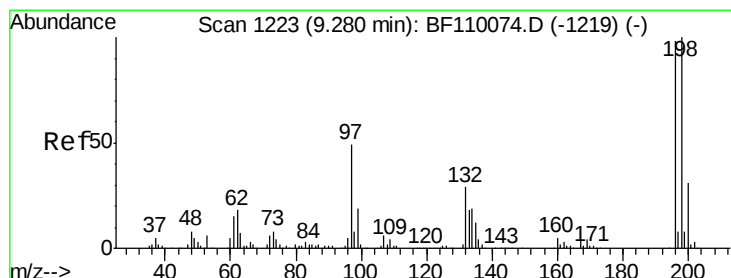
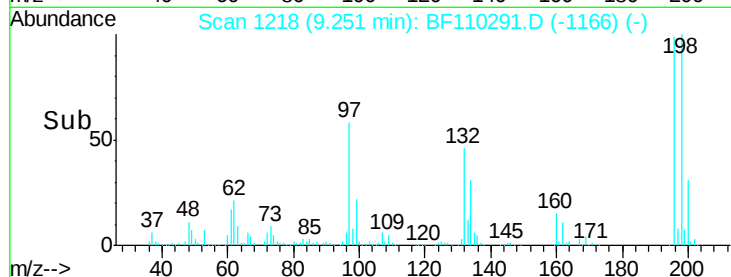
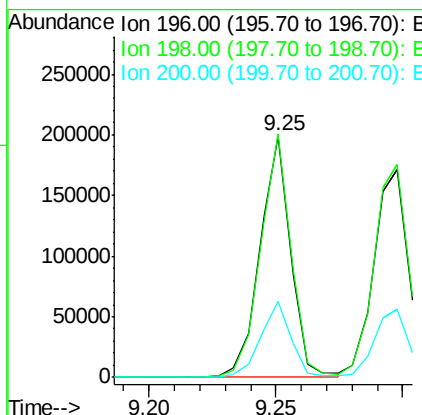
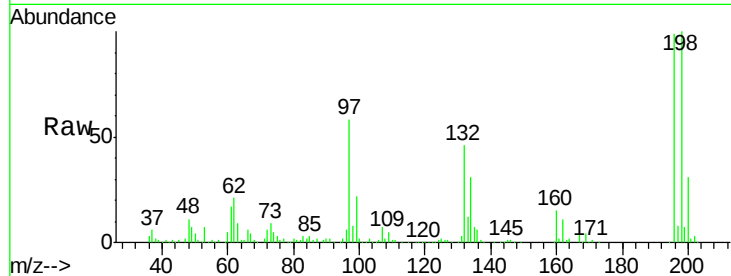




#43
 2,4,6-Trichlorophenol
 Concen: 46.678 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

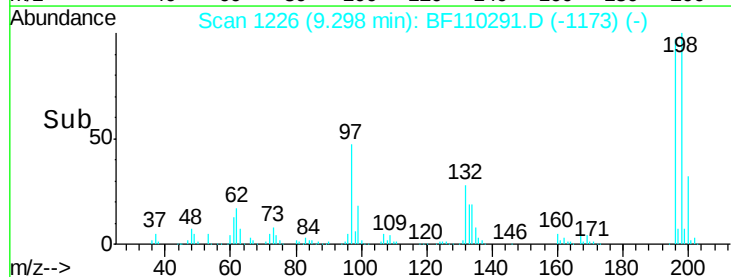
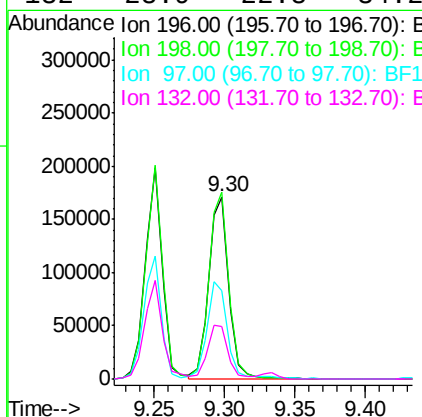
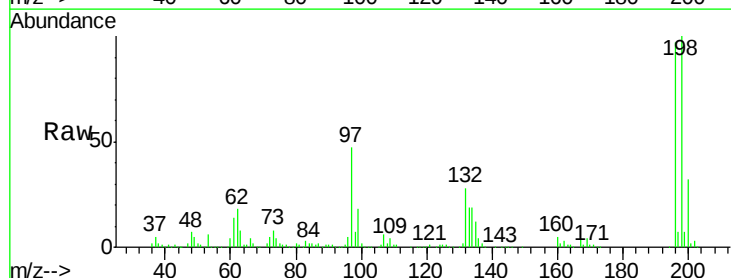
Instrument :
 BNA_F
 ClientSampleID :
 DL-SED-01MSD

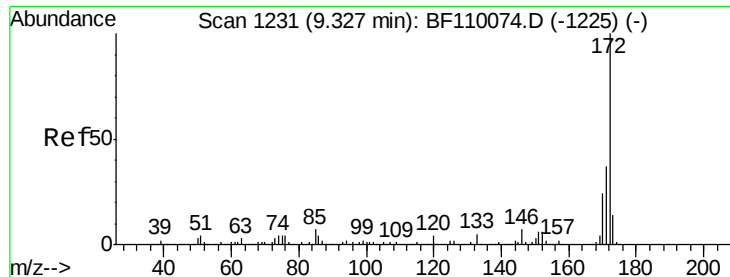
Tgt Ion:196 Resp: 167994
 Ion Ratio Lower Upper
 196 100
 198 101.0 76.2 114.4
 200 31.7 24.4 36.6



#44
 2,4,5-Trichlorophenol
 Concen: 44.360 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion:196 Resp: 168757
 Ion Ratio Lower Upper
 196 100
 198 102.6 75.8 113.6
 97 48.1 42.4 63.6
 132 28.9 22.8 34.2

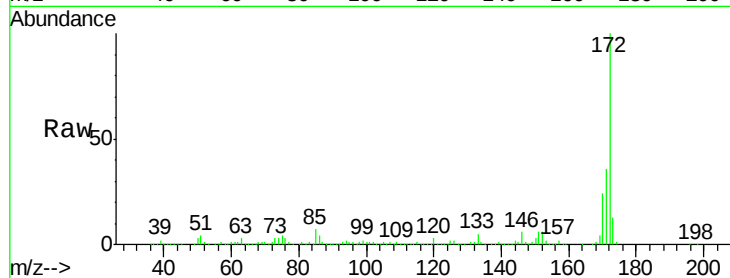




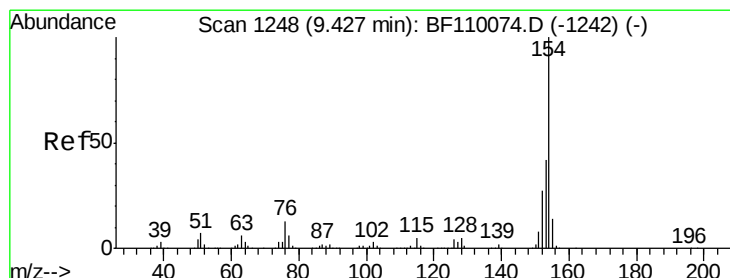
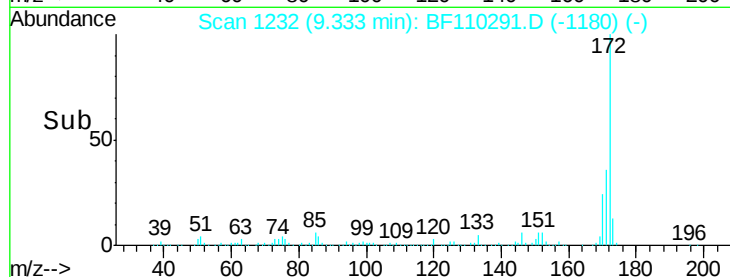
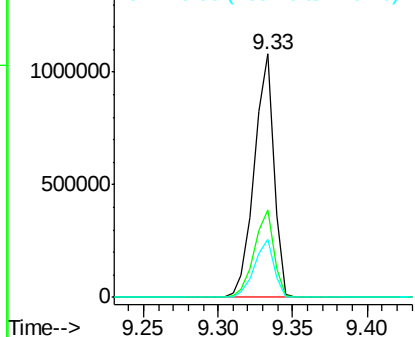
#45
2-Fluorobiphenyl
Concen: 85.555 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion:172 Resp: 975730
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 24.1 19.7 29.5

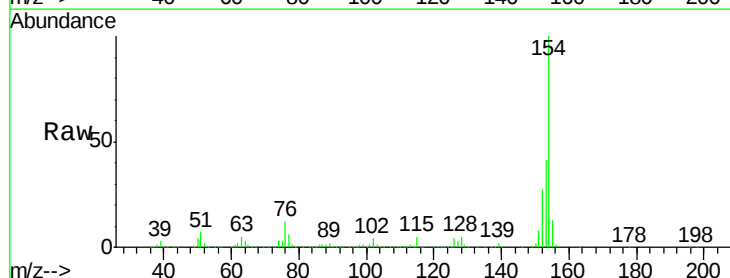


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

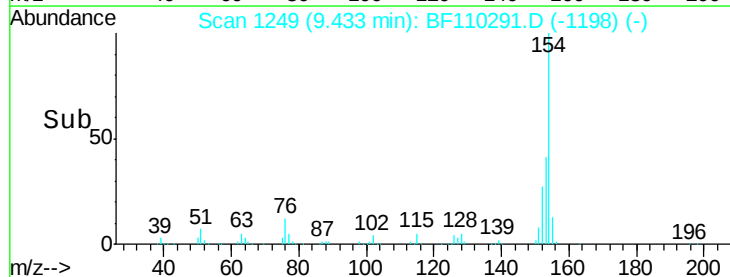
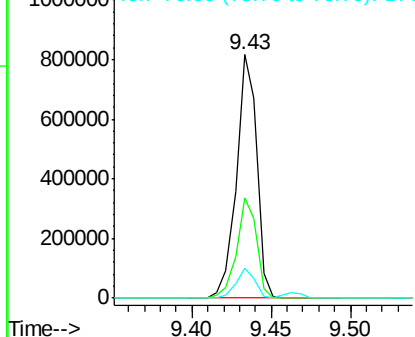


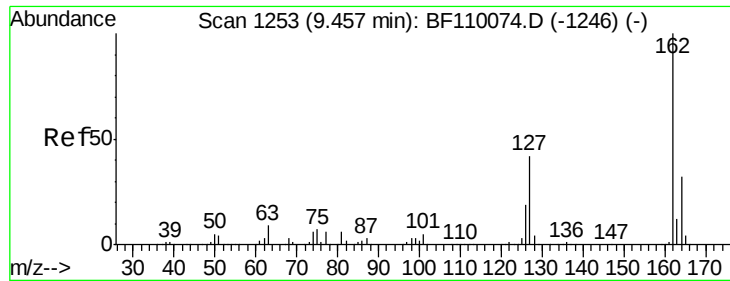
#46
1,1'-Biphenyl
Concen: 44.613 ng
RT: 9.43 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:154 Resp: 722477
Ion Ratio Lower Upper
154 100
153 41.4 20.4 60.4
76 12.2 0.0 31.9



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

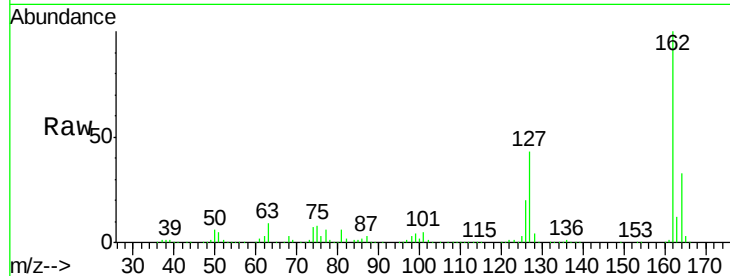




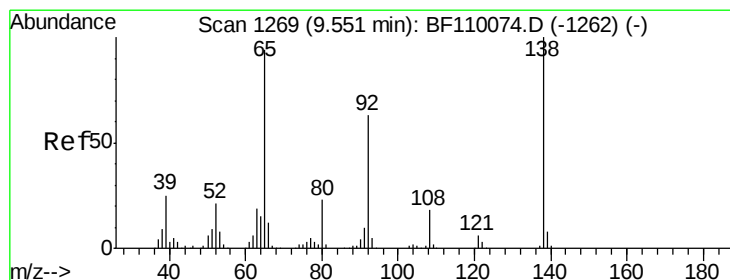
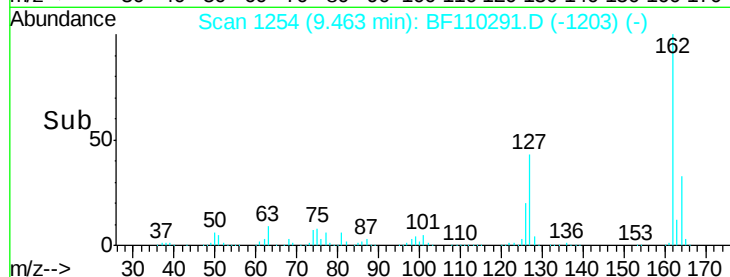
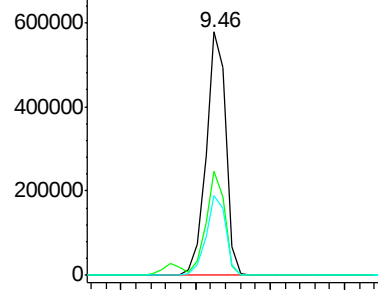
#47
 2-Chloronaphthalene
 Concen: 45.200 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.00 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
127	42.5	32.6	48.8
164	32.7	25.9	38.9

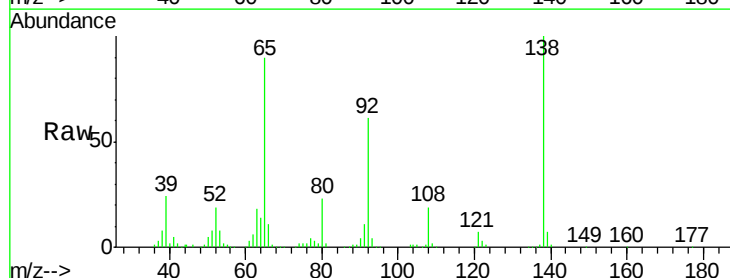


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

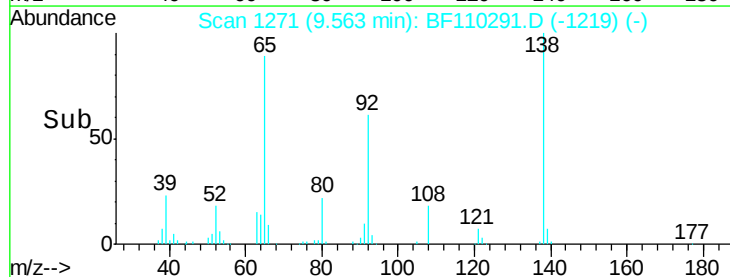
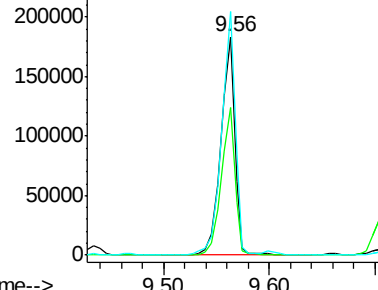


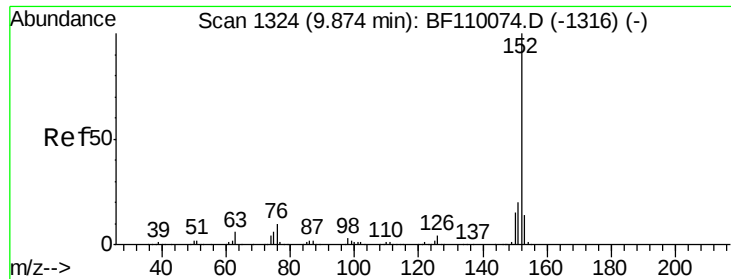
#48
 2-Nitroaniline
 Concen: 46.819 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.0	54.6	81.8
138	111.7	80.3	120.5



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

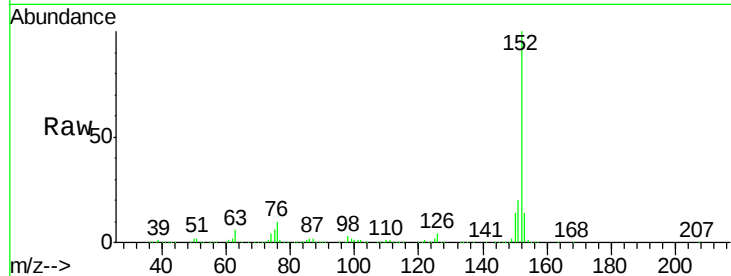




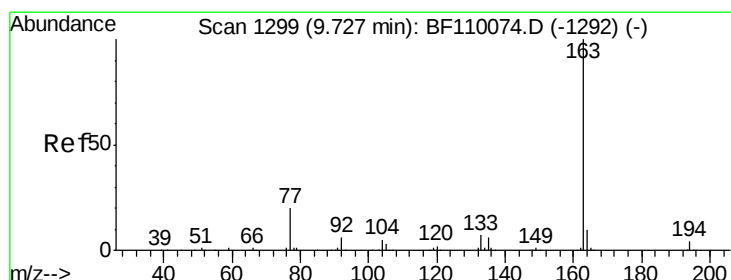
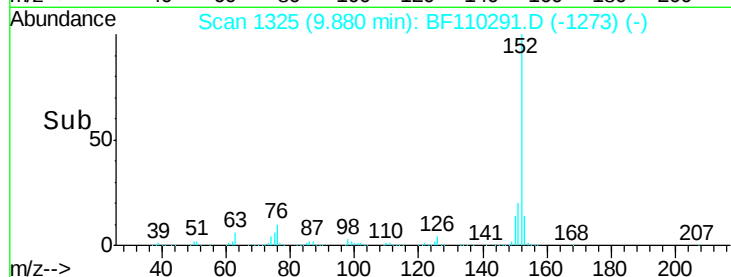
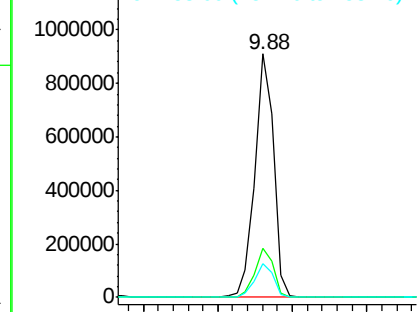
#49
Acenaphthylene
Concen: 45.749 ng
RT: 9.88 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion:152 Resp: 784953
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 13.8 10.4 15.6

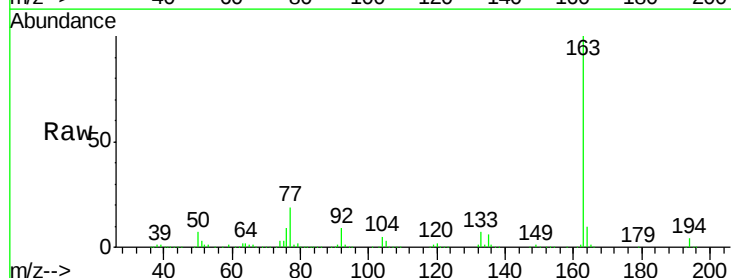


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

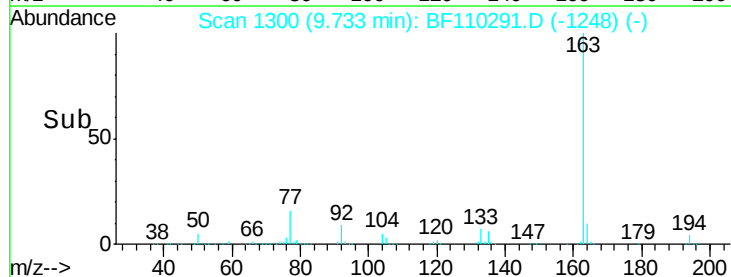
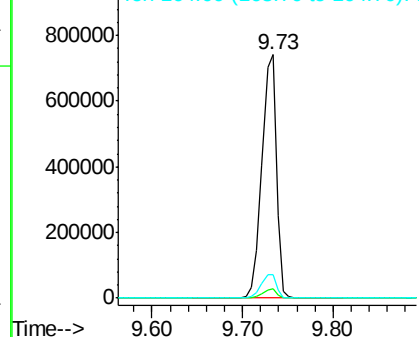


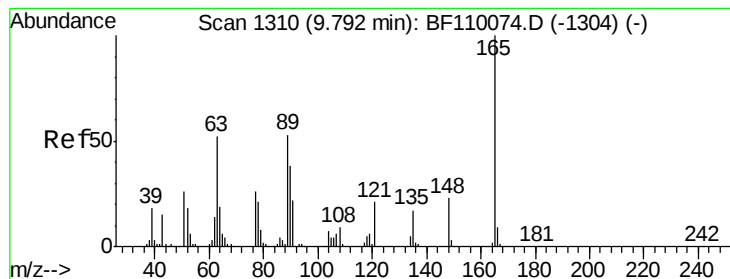
#50
Dimethylphthalate
Concen: 62.048 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:163 Resp: 820248
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.7 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 41.444 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

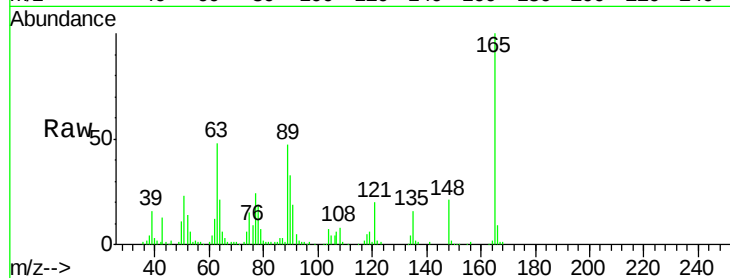
Tgt Ion:165 Resp: 118013

Ion Ratio Lower Upper

165 100

63 47.5 48.9 73.3#

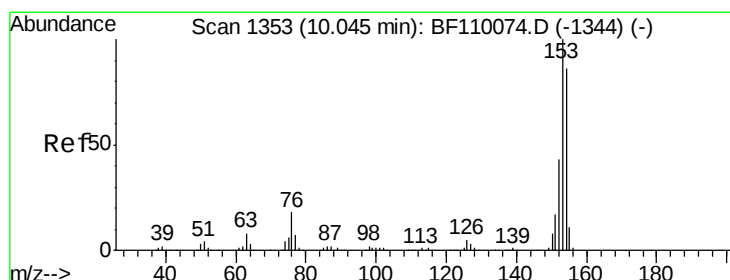
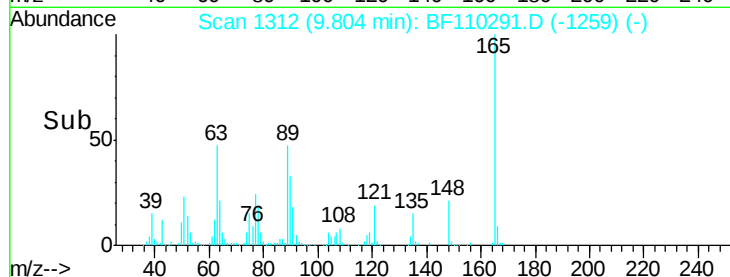
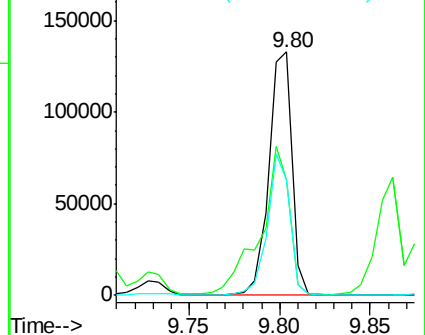
89 47.4 46.6 69.8



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



#52

Acenaphthene

Concen: 43.259 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

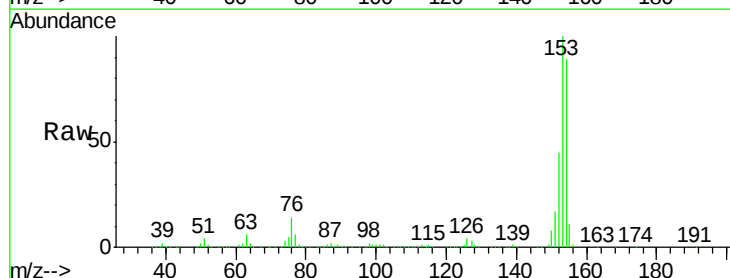
Tgt Ion:154 Resp: 491022

Ion Ratio Lower Upper

154 100

153 112.6 90.1 135.1

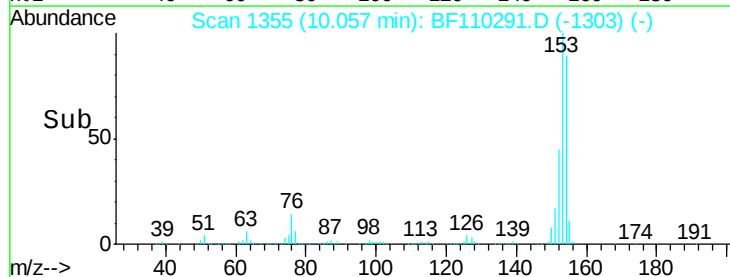
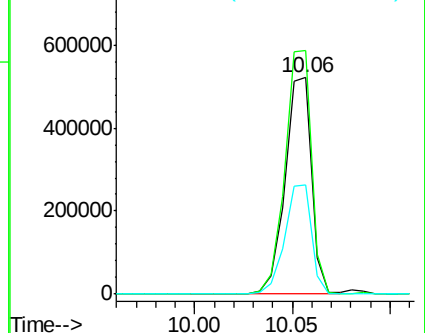
152 50.4 43.4 65.2

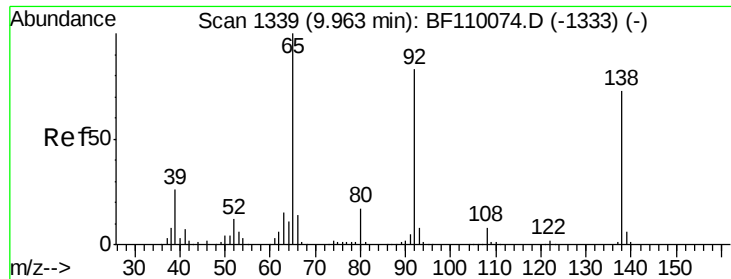


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

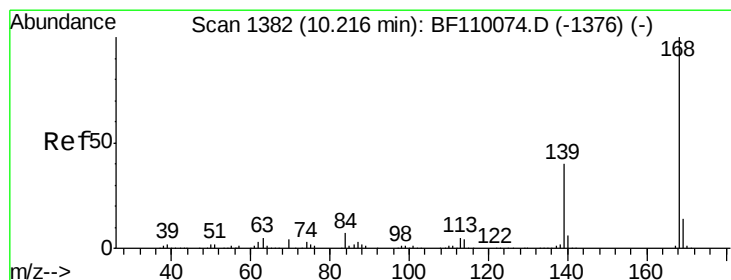
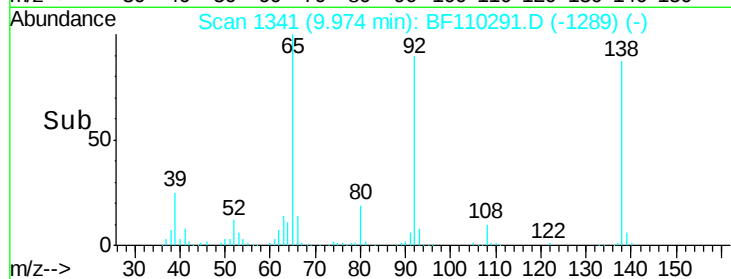
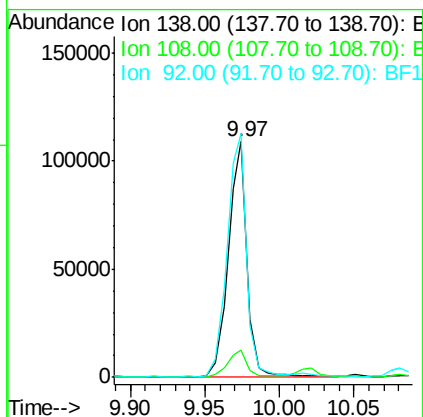
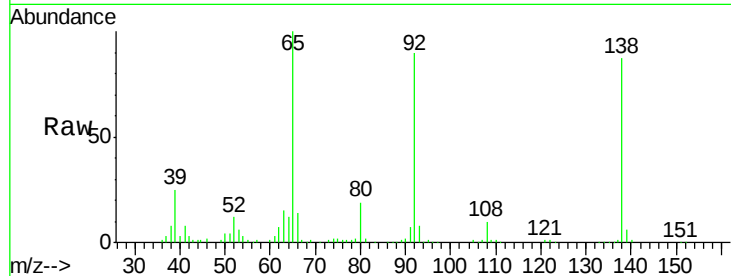




#53
3-Nitroaniline
Concen: 28.855 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

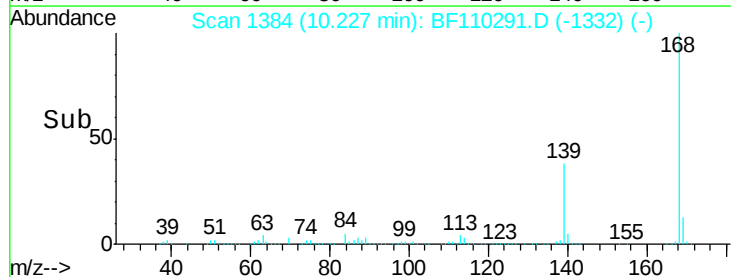
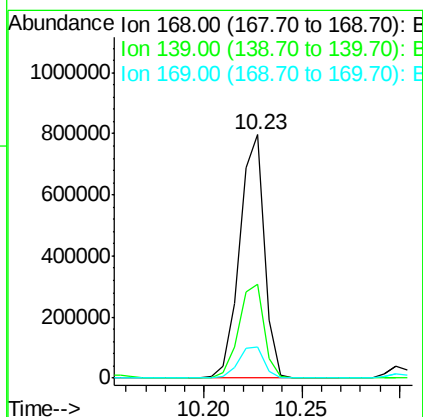
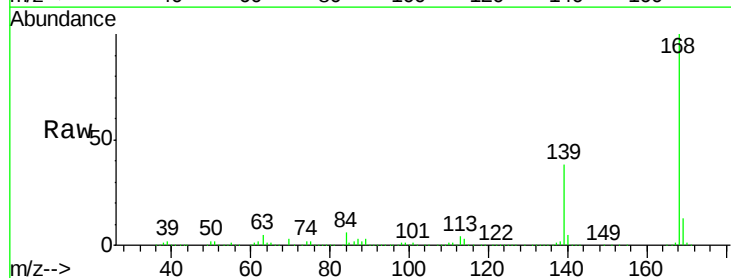
Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

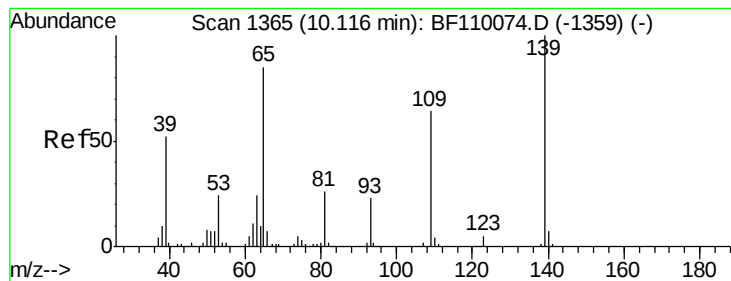
Tgt Ion:138 Resp: 97711
Ion Ratio Lower Upper
138 100
108 11.4 8.7 13.1
92 103.4 97.0 145.4



#55
Dibenzofuran
Concen: 43.928 ng
RT: 10.23 min Scan# 1384
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:168 Resp: 698099
Ion Ratio Lower Upper
168 100
139 38.3 33.0 49.6
169 12.9 11.3 16.9





#56

4-Nitrophenol

Concen: 89.814 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.02 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

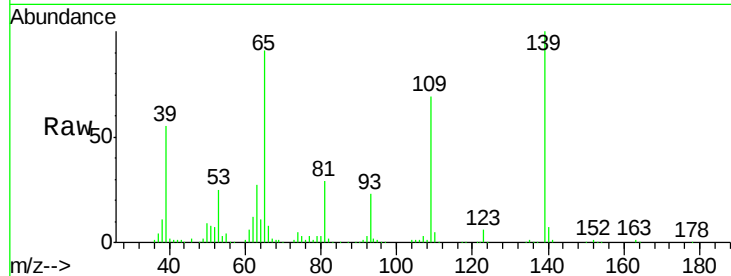
Tgt Ion:139 Resp: 225095

Ion Ratio Lower Upper

139 100

109 68.8 55.8 95.8

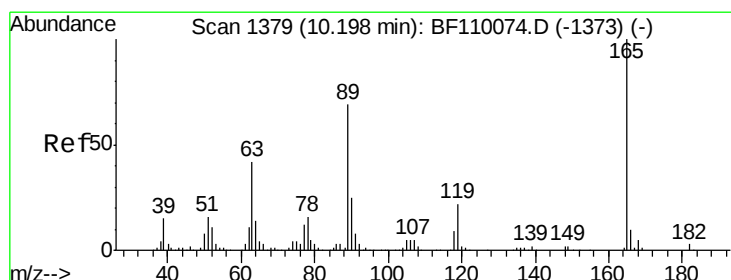
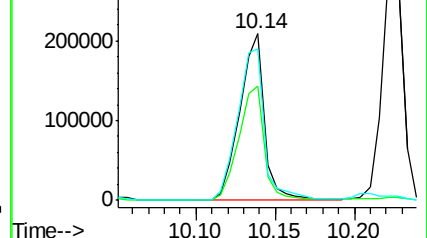
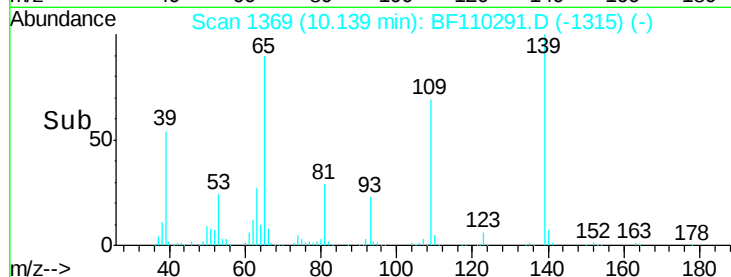
65 90.8 77.9 117.9



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 38.706 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Tgt Ion:165 Resp: 139994

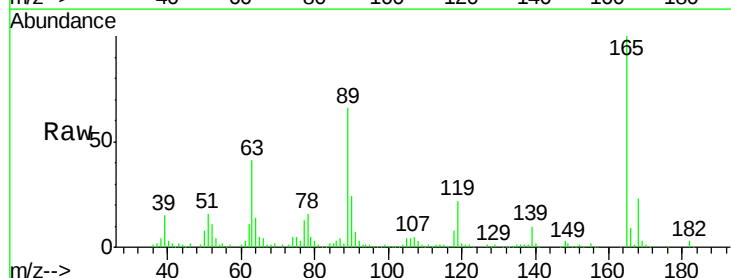
Ion Ratio Lower Upper

165 100

63 41.5 44.8 67.2#

89 66.3 62.2 93.4

182 2.8 2.1 3.1

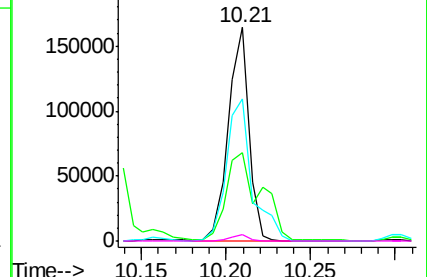
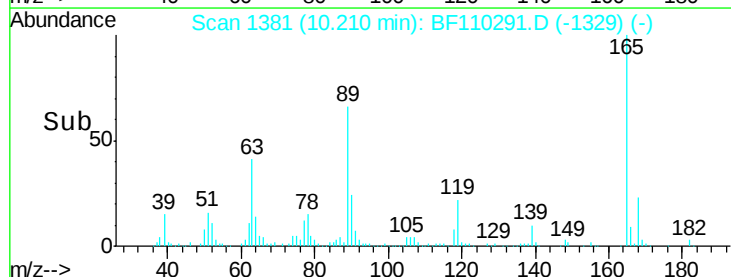


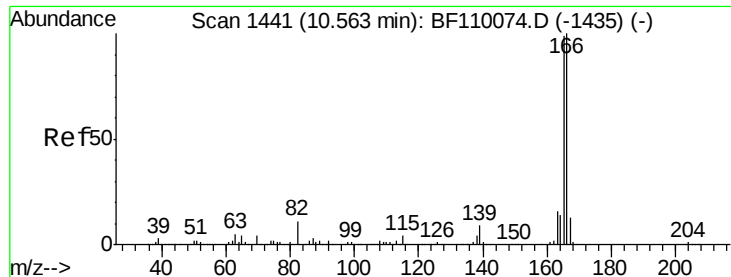
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

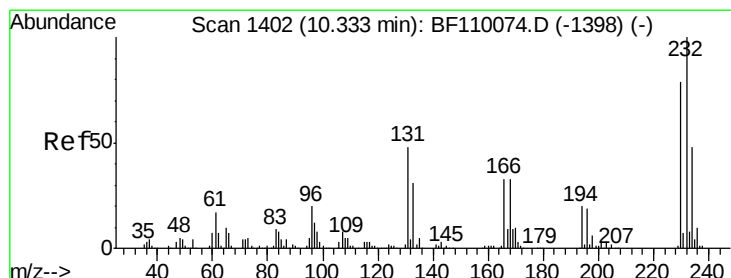
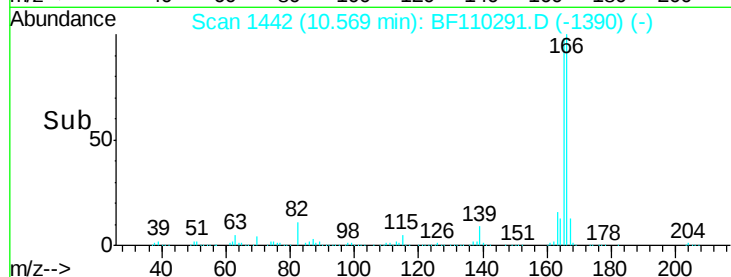
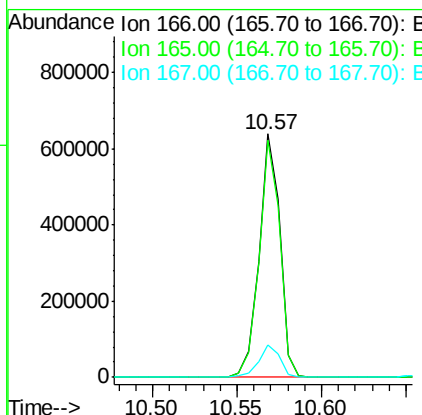
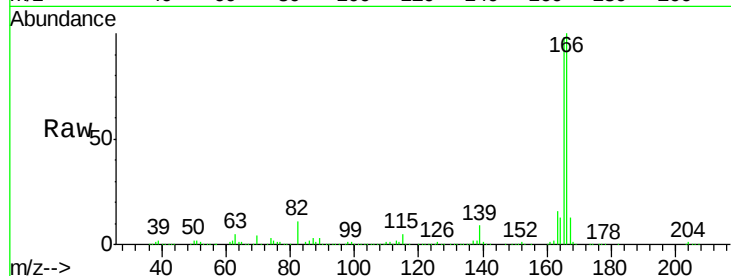




#58
 Fluorene
 Concen: 46.430 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

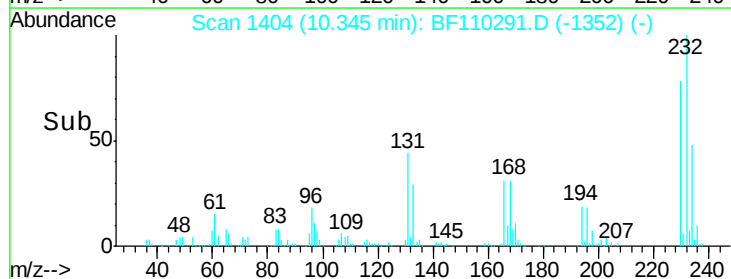
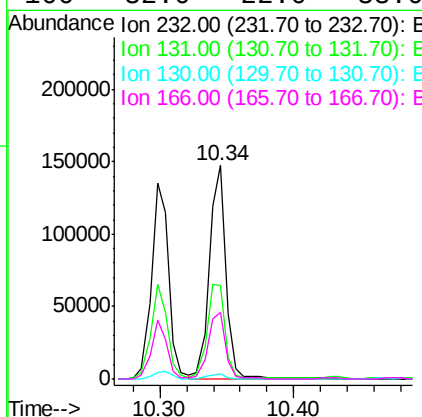
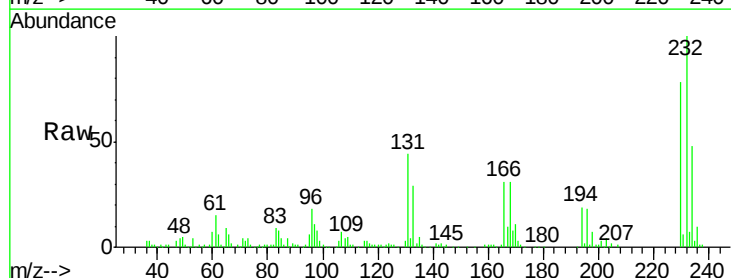
Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

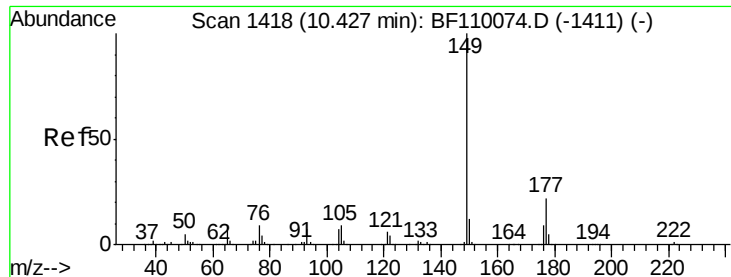
Tgt Ion:166 Resp: 549149
 Ion Ratio Lower Upper
 166 100
 165 97.7 78.6 117.8
 167 13.2 10.8 16.2



#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.642 ng
 RT: 10.34 min Scan# 1404
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion:232 Resp: 129124
 Ion Ratio Lower Upper
 232 100
 131 47.1 37.0 55.4
 130 2.6 1.8 2.6
 166 32.0 22.0 33.0

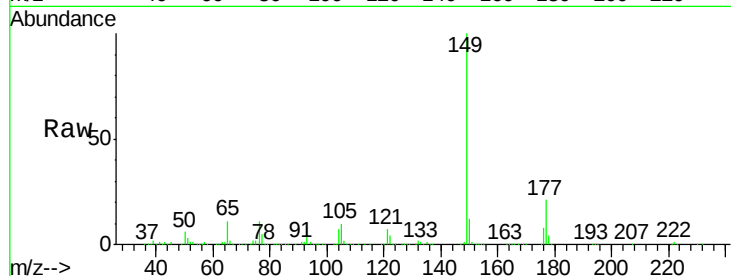




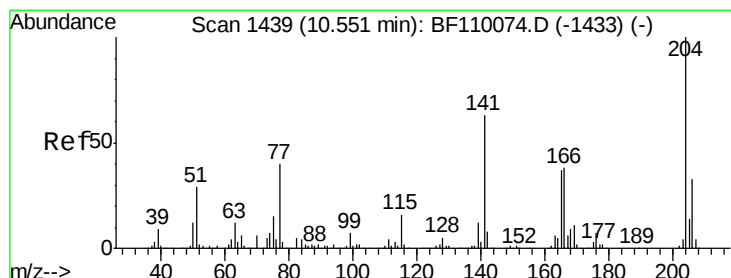
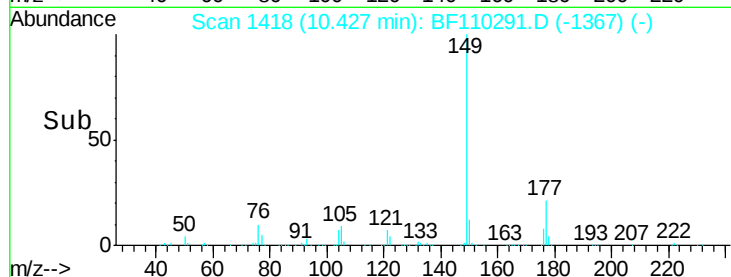
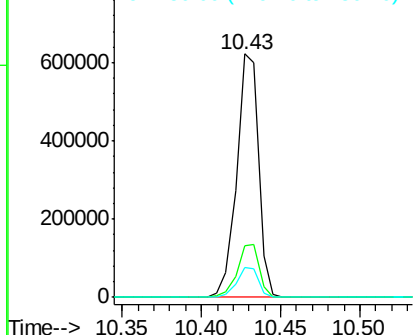
#60
Diethylphthalate
Concen: 46.235 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.00 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

Tgt Ion:149 Resp: 596637
Ion Ratio Lower Upper
149 100
177 21.1 17.4 26.2
150 12.3 9.8 14.8

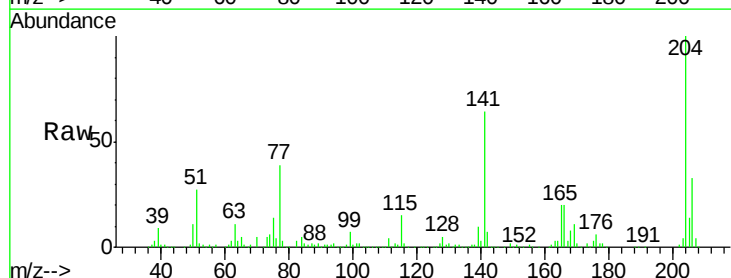


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

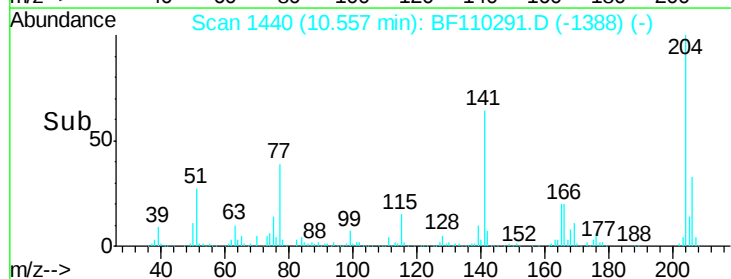
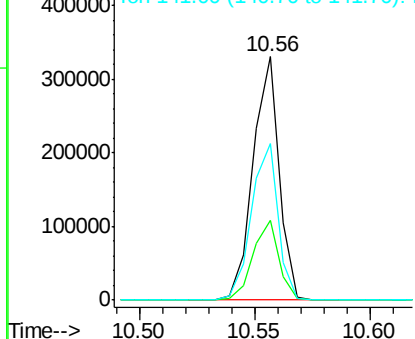


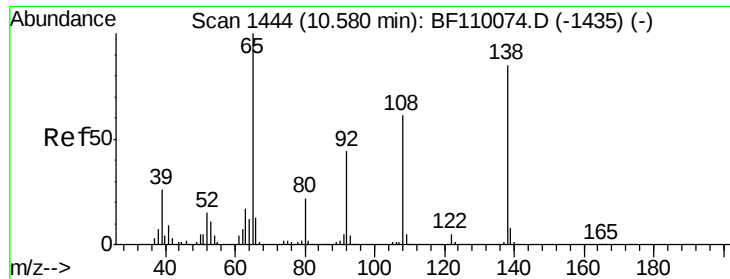
#61
4-Chlorophenyl-phenylether
Concen: 41.956 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:204 Resp: 261778
Ion Ratio Lower Upper
204 100
206 32.6 26.5 39.7
141 64.1 51.8 77.8



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

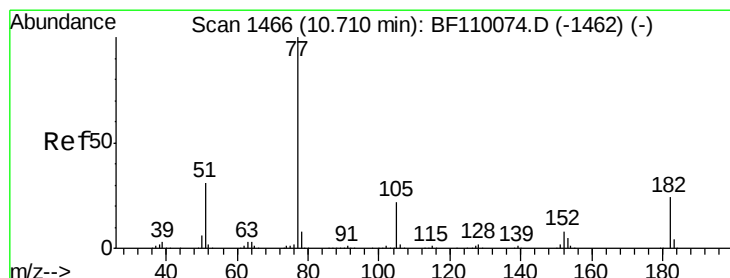
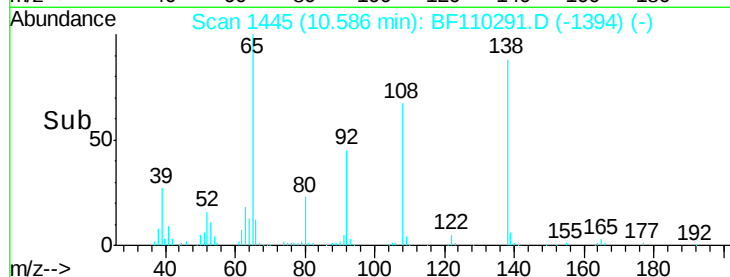
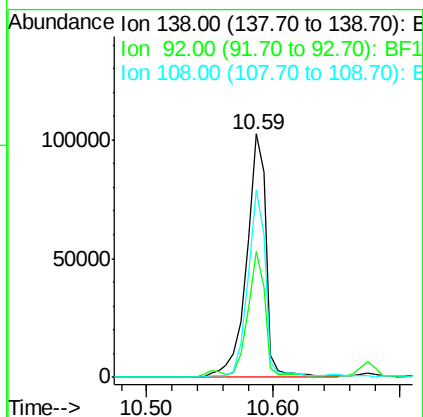
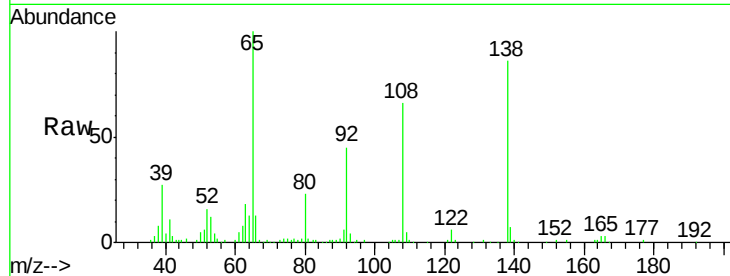




#62
4-Nitroaniline
Concen: 32.659 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

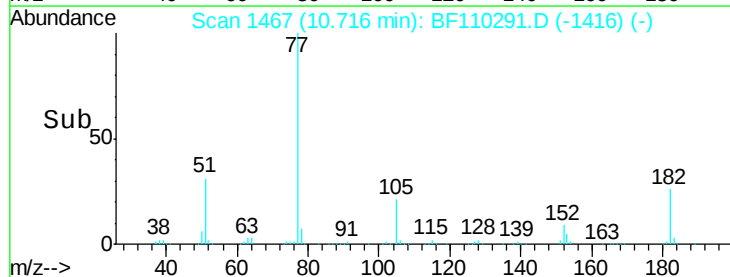
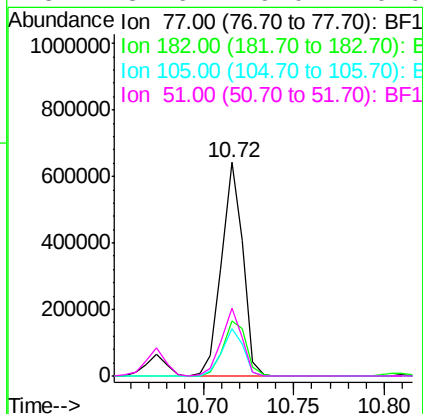
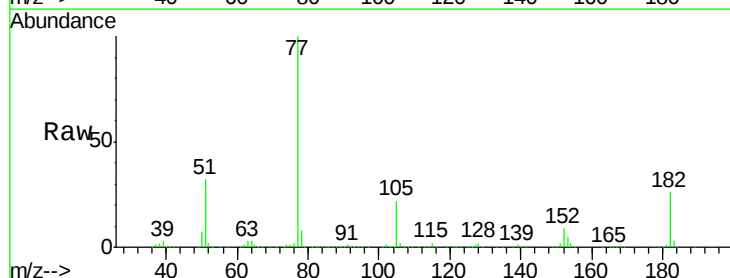
Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

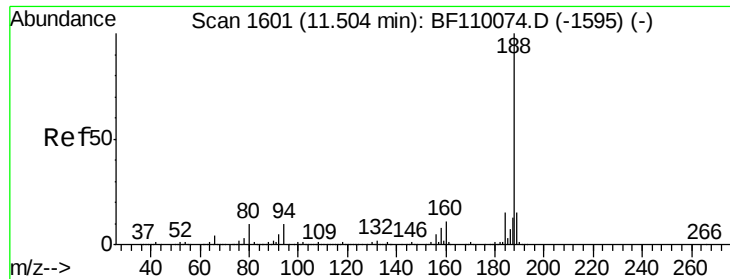
Tgt Ion:138 Resp: 109995
Ion Ratio Lower Upper
138 100
92 51.5 31.7 71.7
108 76.8 59.3 99.3



#63
Azobenzene
Concen: 40.686 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion: 77 Resp: 521148
Ion Ratio Lower Upper
77 100
182 25.7 4.3 44.3
105 22.0 1.3 41.3
51 31.6 9.0 49.0

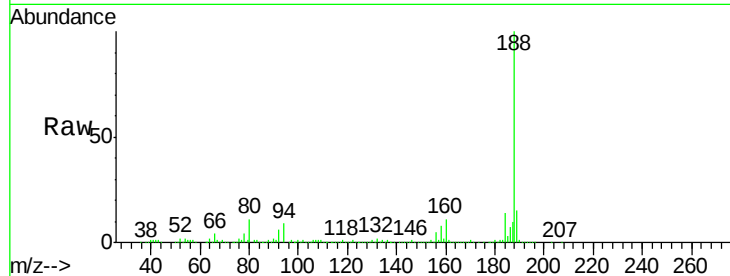




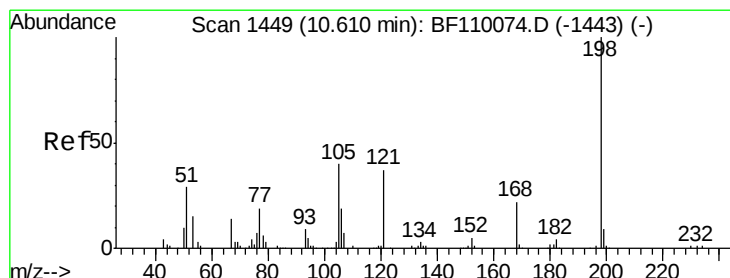
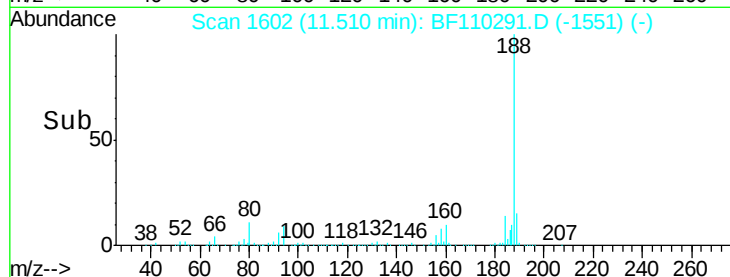
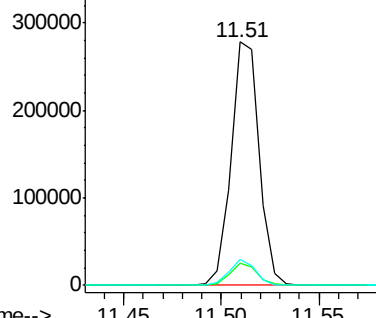
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.00 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion:188 Resp: 276036
 Ion Ratio Lower Upper
 188 100
 94 9.0 7.2 10.8
 80 10.7 7.9 11.9

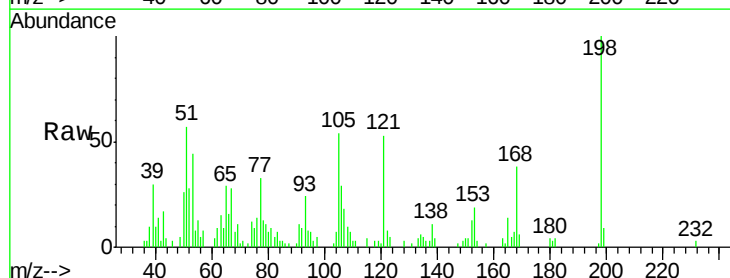


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

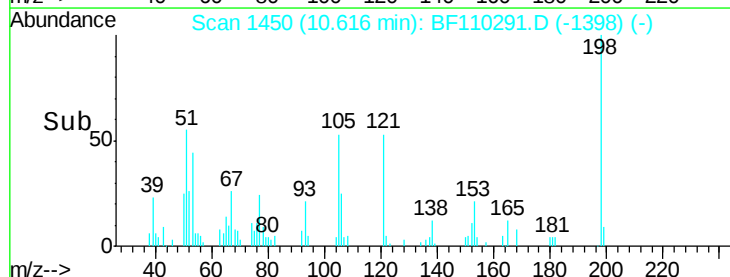
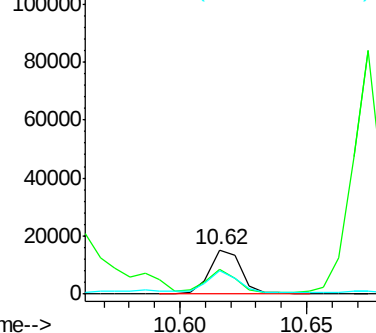


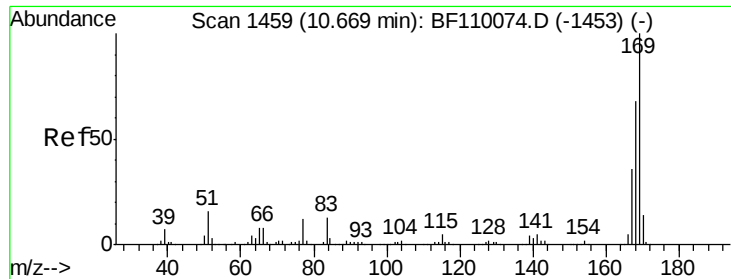
#65
 4,6-Dinitro-2-methylphenol
 Concen: 10.571 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion:198 Resp: 13332
 Ion Ratio Lower Upper
 198 100
 51 56.9 22.8 62.8
 105 53.9 23.6 63.6



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

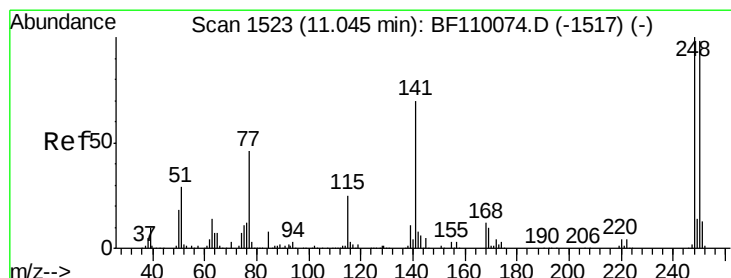
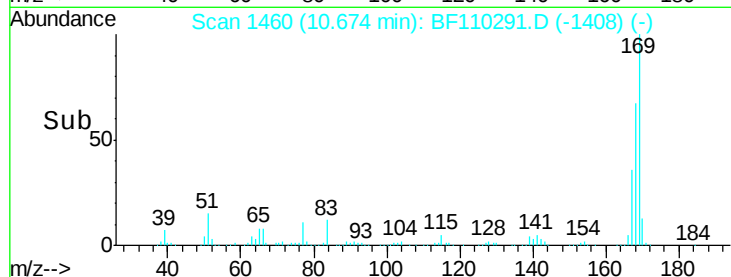
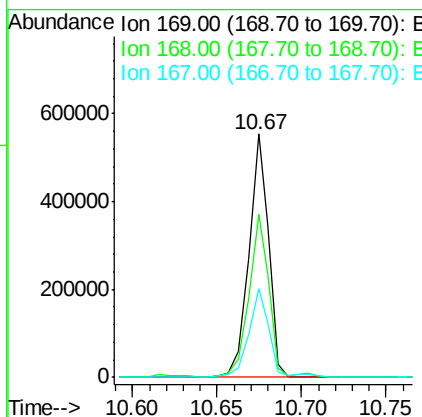
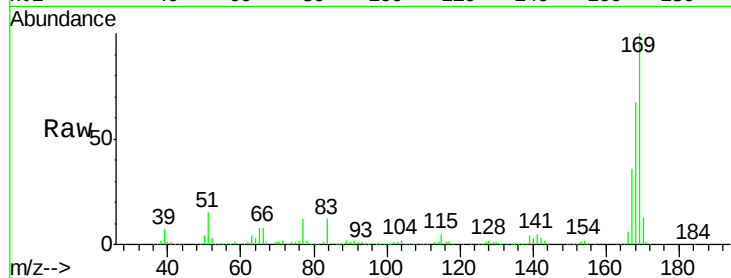




#66
 n-Nitrosodiphenylamine
 Concen: 49.606 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

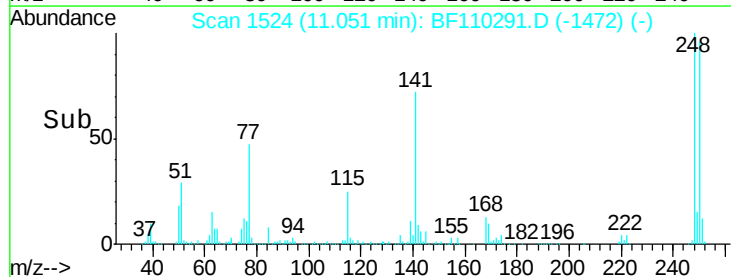
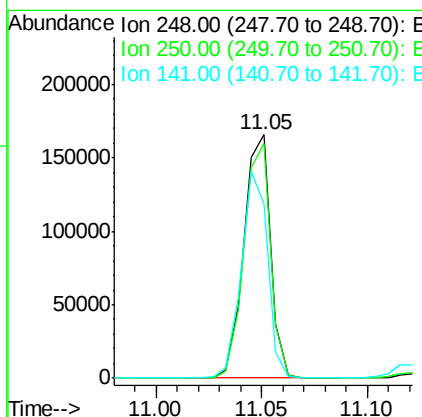
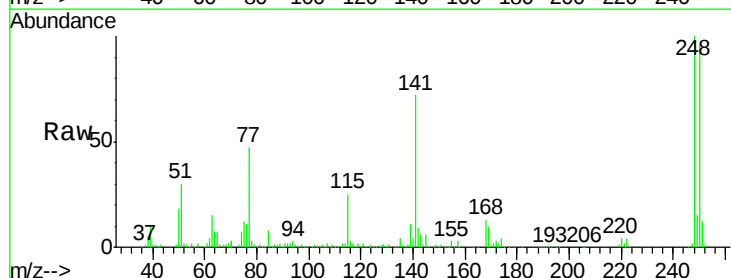
Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

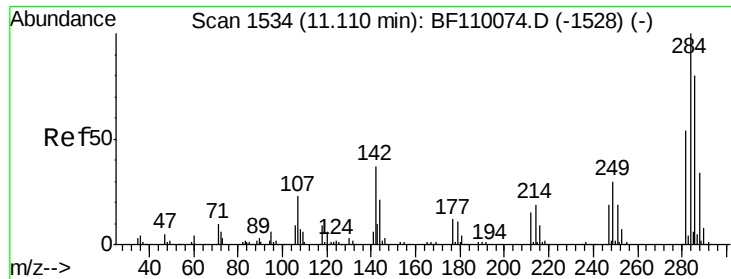
Tgt Ion:169 Resp: 449129
 Ion Ratio Lower Upper
 169 100
 168 67.0 51.2 76.8
 167 36.4 27.8 41.6



#67
 4-Bromophenyl-phenylether
 Concen: 48.466 ng
 RT: 11.05 min Scan# 1524
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion:248 Resp: 145117
 Ion Ratio Lower Upper
 248 100
 250 96.1 79.4 119.2
 141 71.6 55.9 83.9

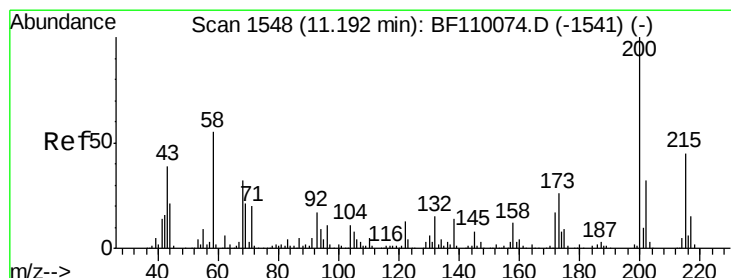
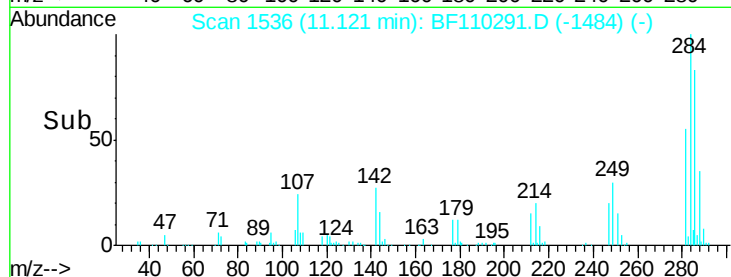
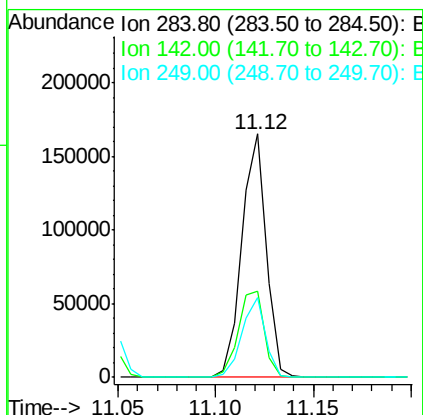
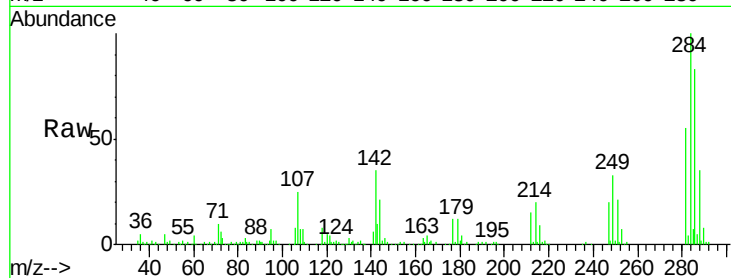




#68
Hexachlorobenzene
Concen: 44.913 ng
RT: 11.12 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

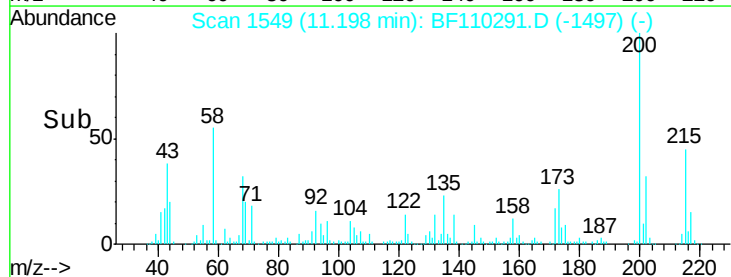
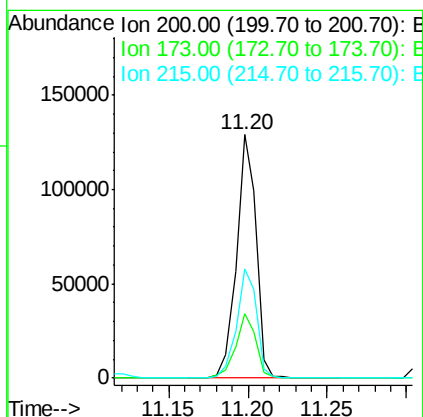
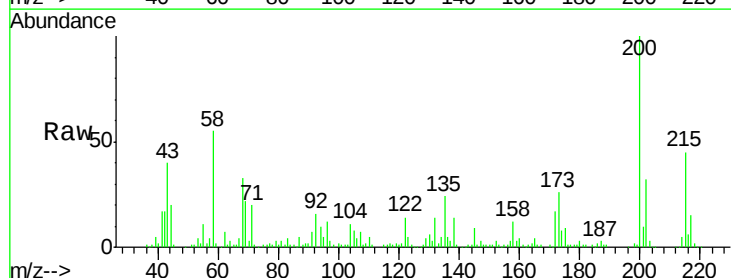
Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

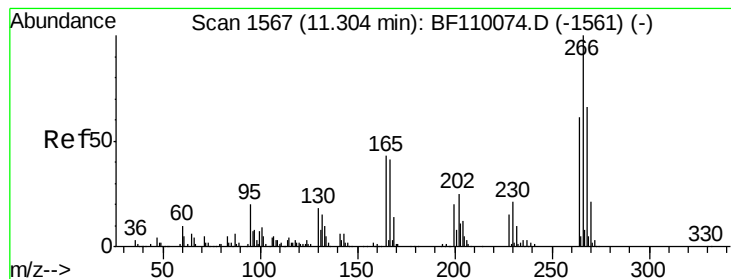
Tgt Ion: 284 Resp: 142686
Ion Ratio Lower Upper
284 100
142 35.4 23.9 35.9
249 32.6 24.2 36.2



#69
Atrazine
Concen: 38.576 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion: 200 Resp: 110377
Ion Ratio Lower Upper
200 100
173 26.4 6.6 46.6
215 45.0 26.3 66.3





#70

Pentachlorophenol

Concen: 67.342 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

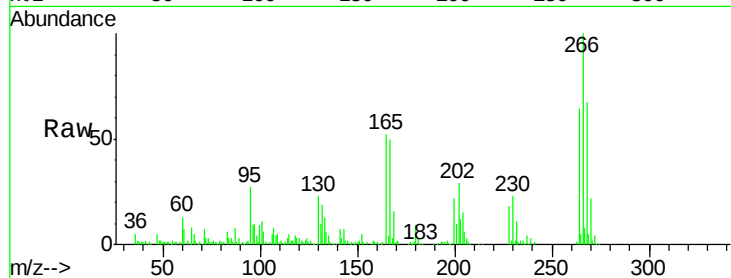
Tgt Ion:266 Resp: 124750

Ion Ratio Lower Upper

266 100

268 66.9 50.6 75.8

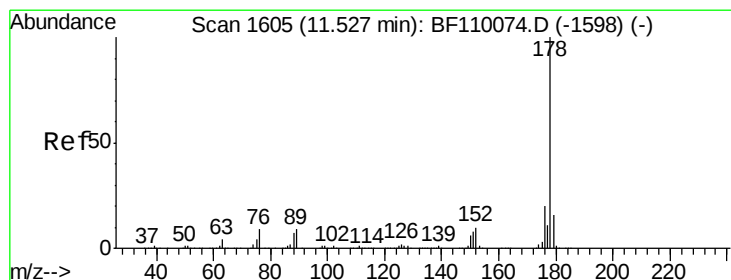
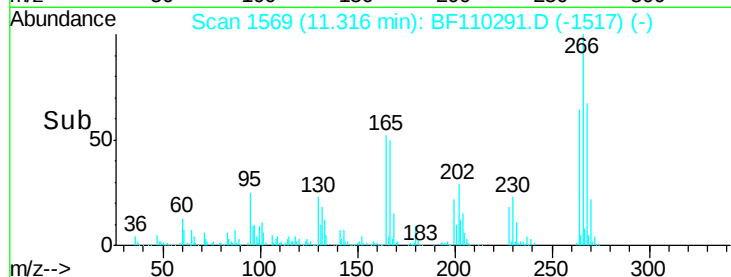
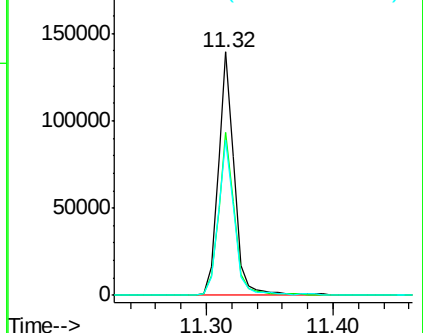
264 63.7 50.6 75.8



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: 80.125 ng

RT: 11.54 min Scan# 1607

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

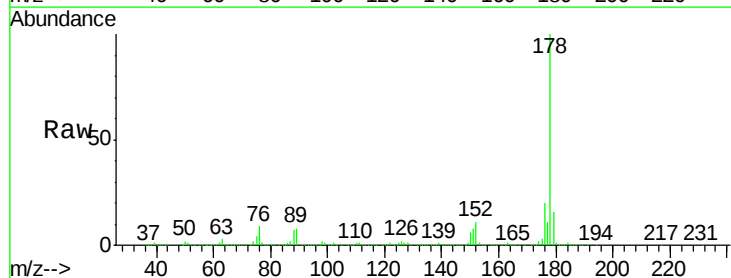
Tgt Ion:178 Resp: 1157290

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

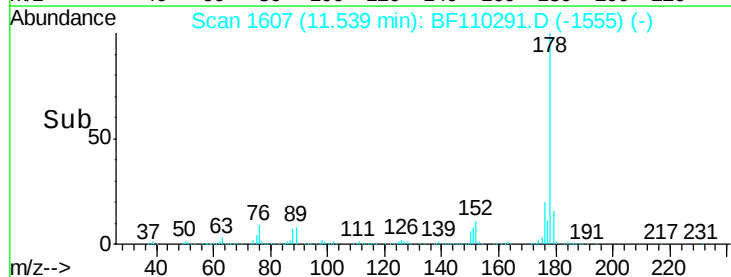
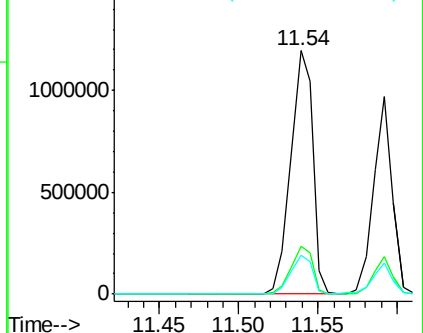
179 15.7 12.5 18.7

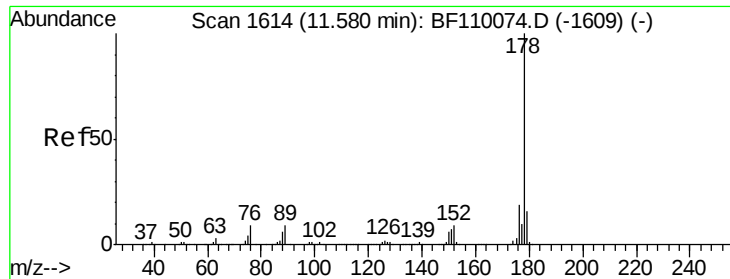


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

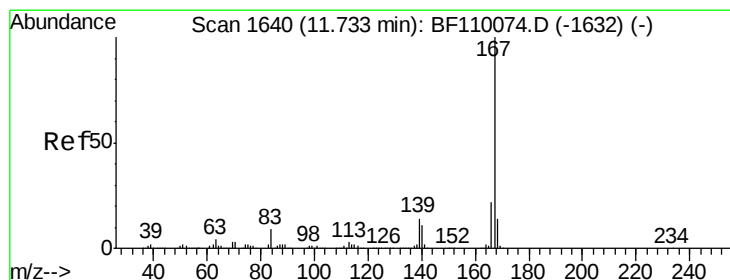
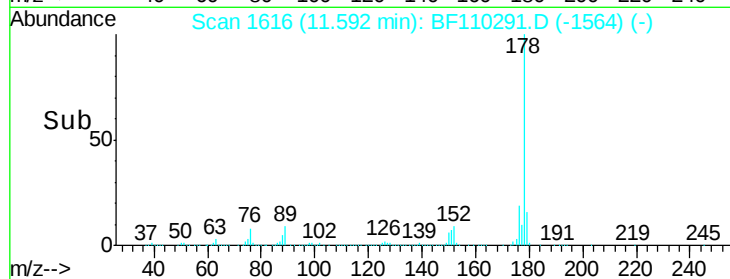
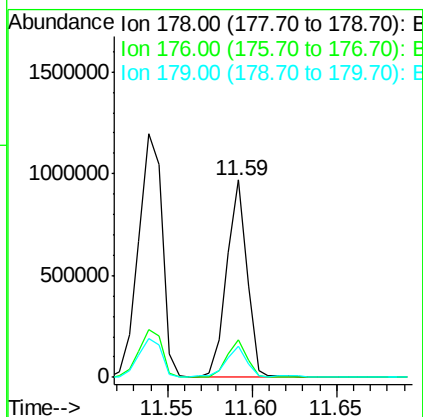
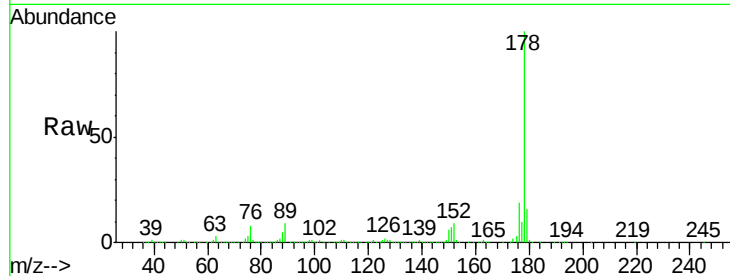




#72
 Anthracene
 Concen: 55.635 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

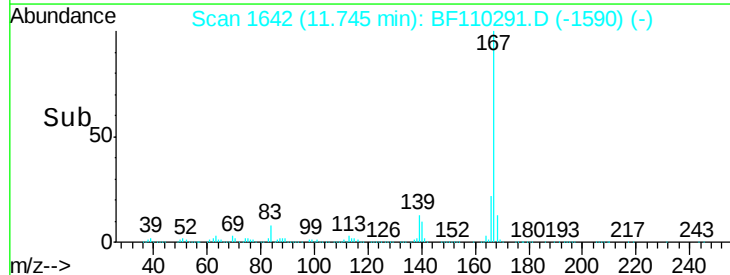
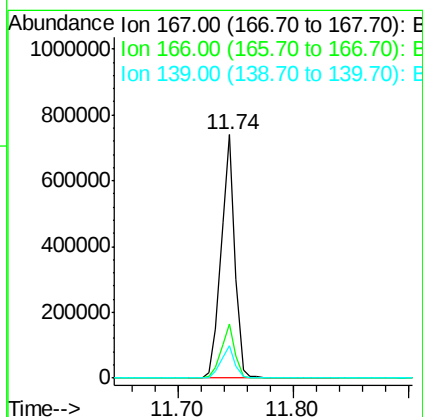
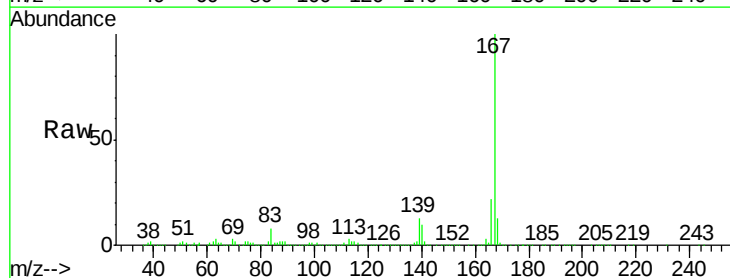
Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

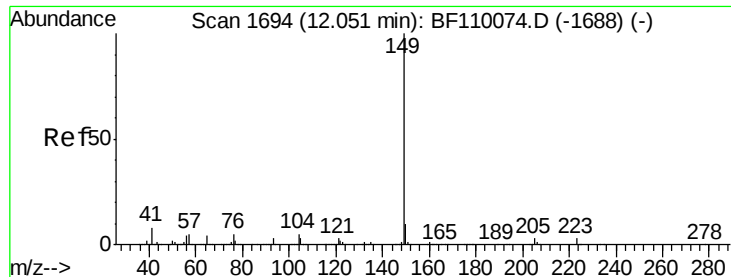
Tgt Ion:178 Resp: 805447
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.4 23.2
 179 15.6 12.6 18.8



#73
 Carbazole
 Concen: 43.096 ng
 RT: 11.74 min Scan# 1642
 Delta R.T. 0.01 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion:167 Resp: 609177
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.4 26.0
 139 13.4 10.9 16.3





#74

Di-n-butylphthalate

Concen: 78.099 ng

RT: 12.06 min Scan# 1696

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

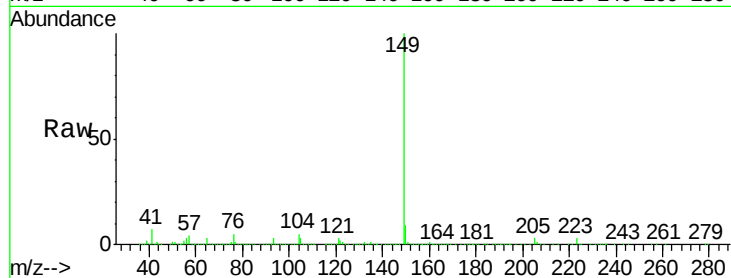
Tgt Ion:149 Resp: 1246825

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

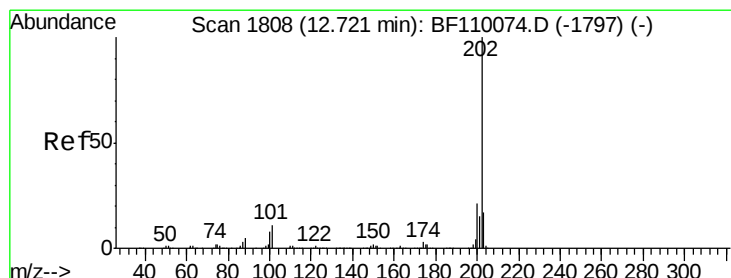
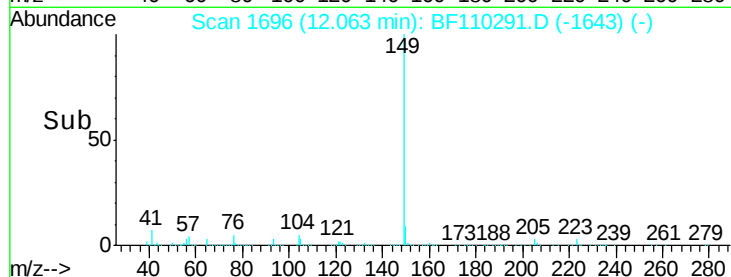
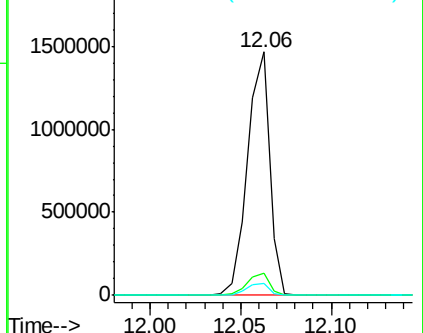
104 4.9 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 101.324 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

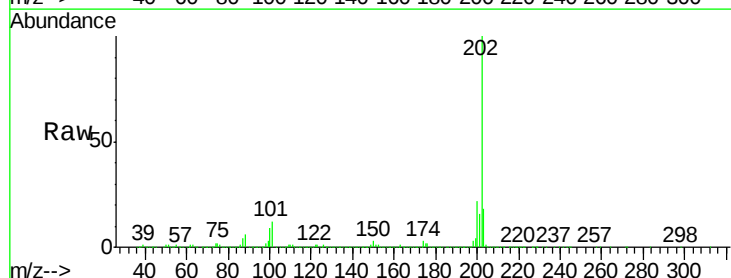
Tgt Ion:202 Resp: 1485256

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.4

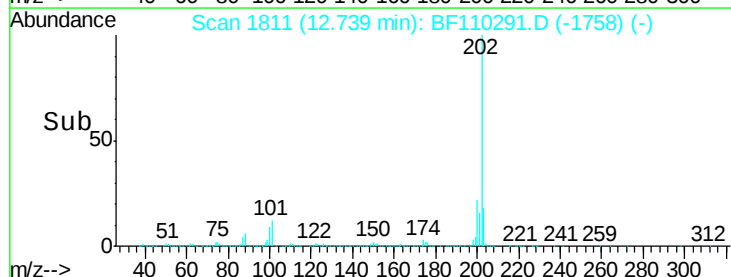
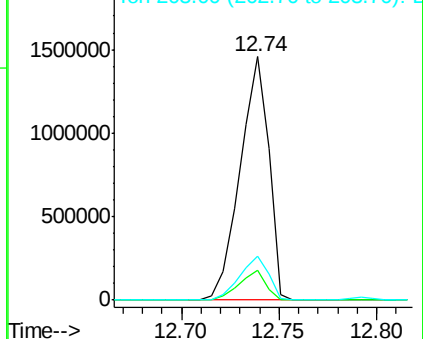
203 18.0 0.0 37.7

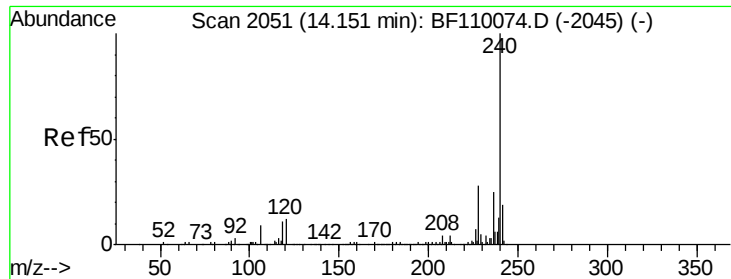


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

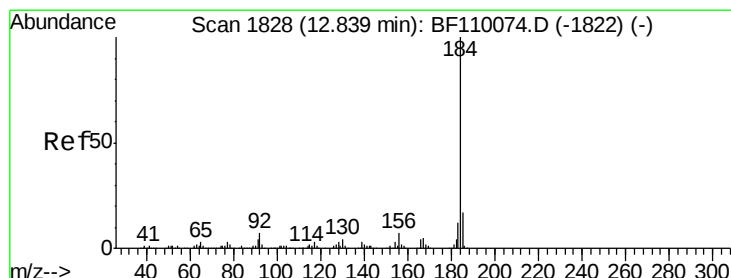
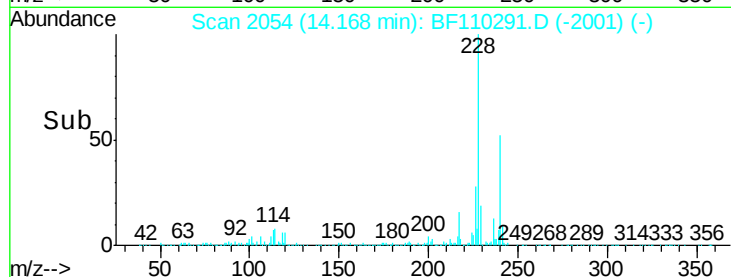
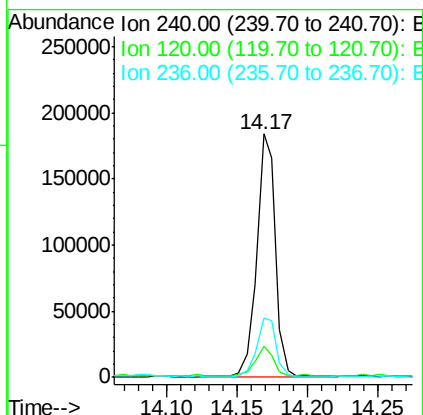
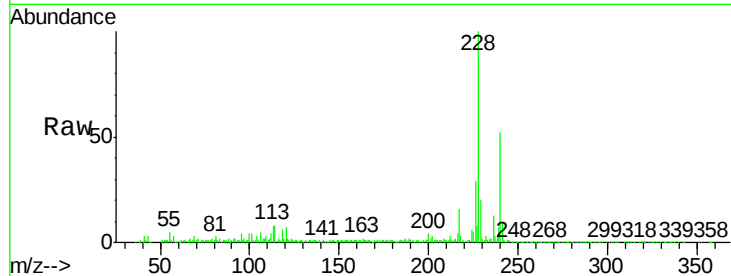




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2054
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

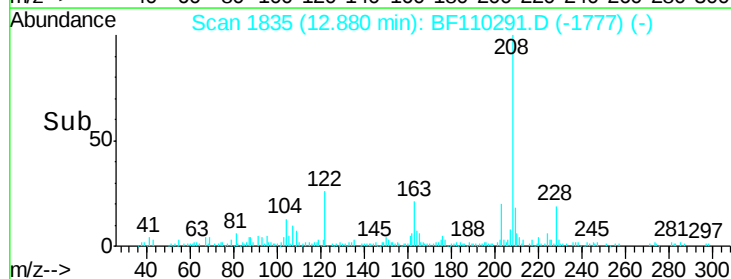
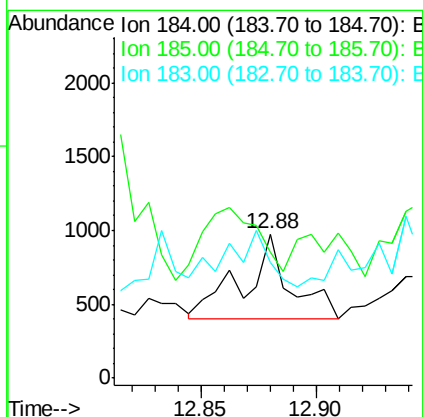
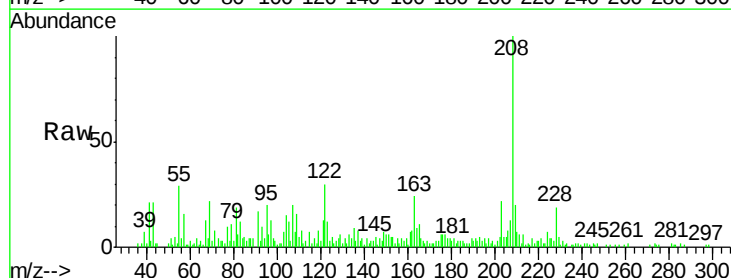
Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

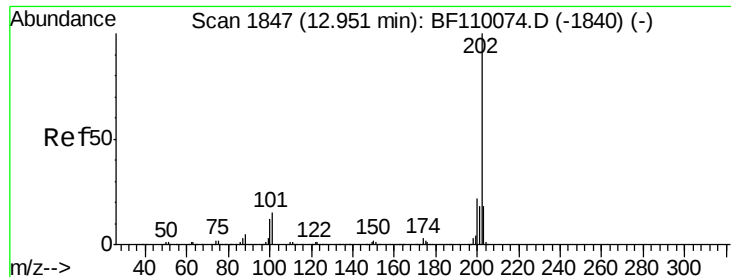
Tgt Ion:240 Resp: 169870
Ion Ratio Lower Upper
240 100
120 12.9 8.3 12.5#
236 24.4 21.2 31.8



#77
Benzidine
Concen: Below Cal
RT: 12.88 min Scan# 1835
Delta R.T. 0.04 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:184 Resp: 802
Ion Ratio Lower Upper
184 100
185 87.4 13.4 20.2#
183 80.0 9.4 14.2#





#78

Pyrene

Concen: 111.115 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

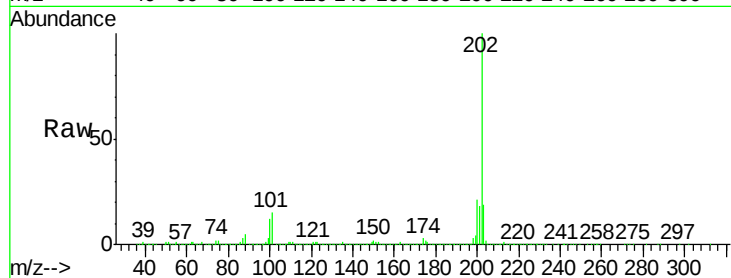
Tgt Ion:202 Resp: 1353183

Ion Ratio Lower Upper

202 100

200 21.3 17.8 26.6

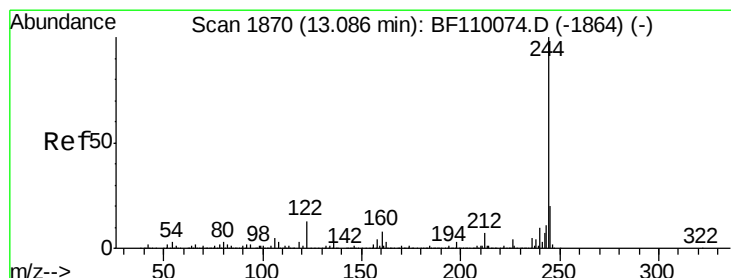
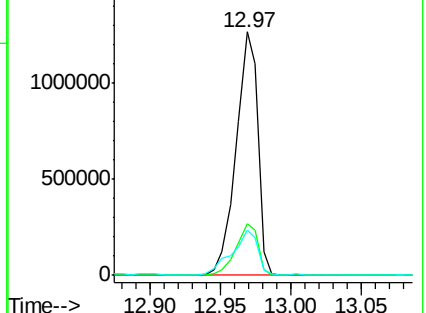
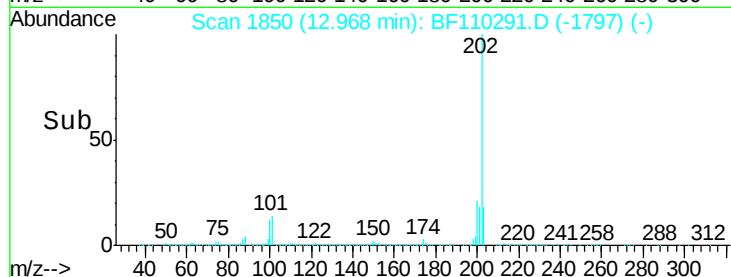
203 18.5 14.2 21.4



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: 73.943 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

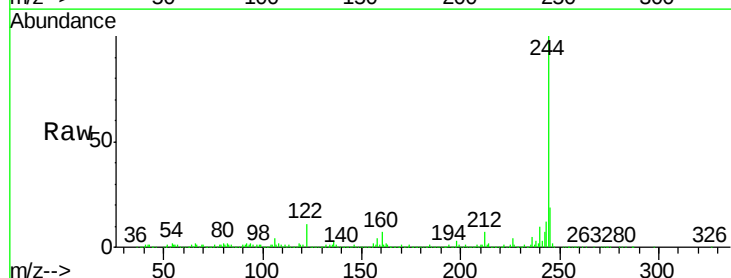
Tgt Ion:244 Resp: 603966

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

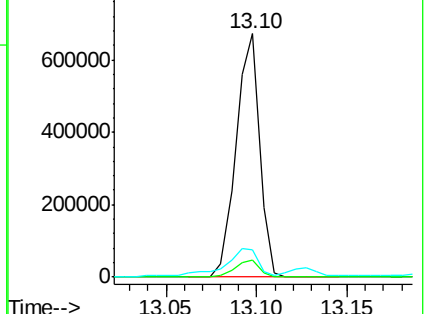
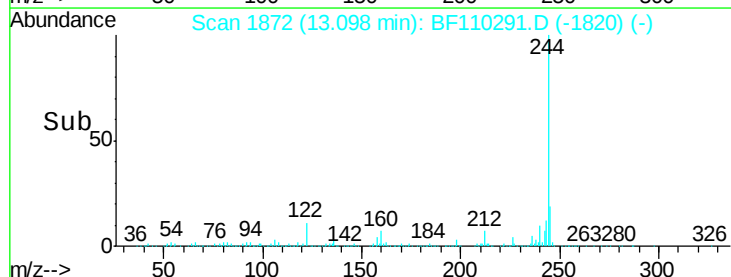
122 11.1 8.7 13.1

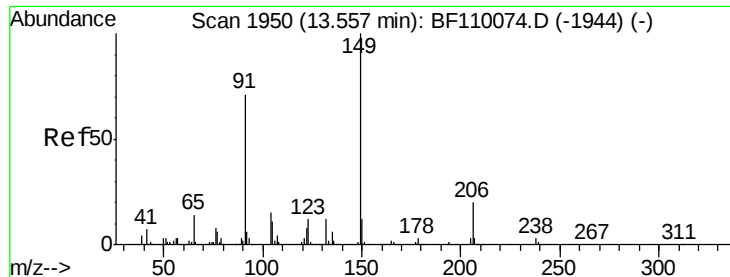


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

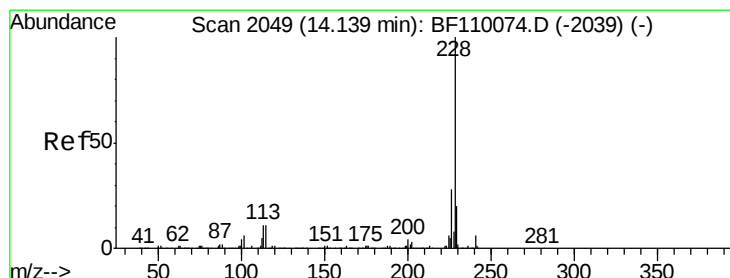
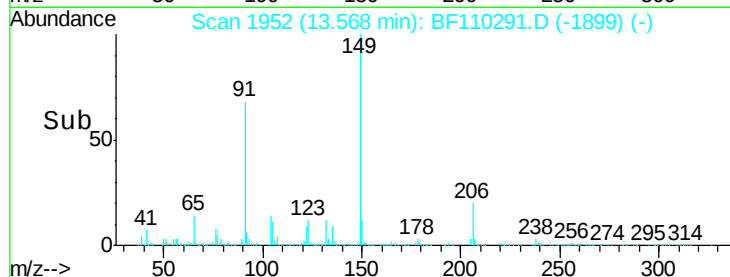
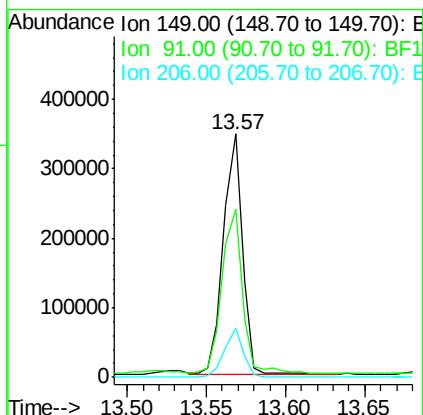
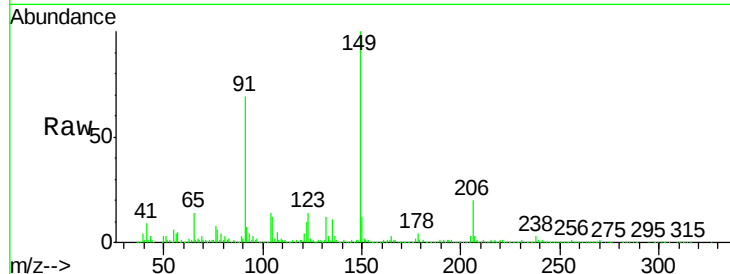




#80
Butylbenzylphthalate
Concen: 54.745 ng
RT: 13.57 min Scan# 1952
Delta R.T. 0.01 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

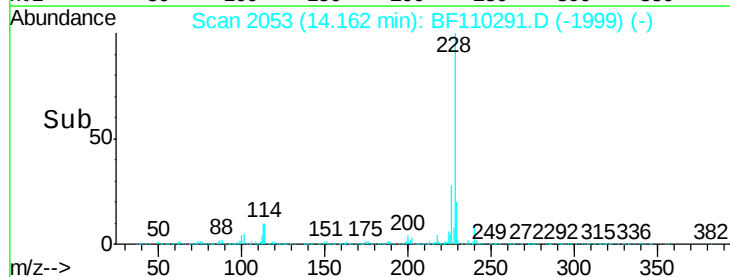
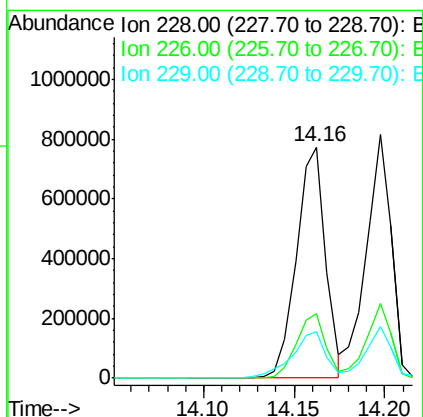
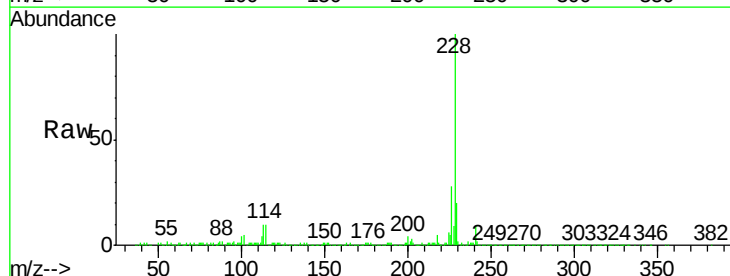
Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

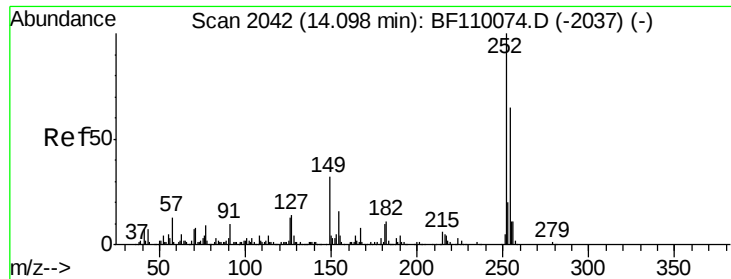
Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.9	57.2	85.8
206	20.2	15.7	23.5



#81
Benzo(a)anthracene
Concen: 86.254 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.02 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	20.2	15.6	23.4





#82

3,3'-Dichlorobenzidine

Concen: 7.878 ng

RT: 14.12 min Scan# 2045

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

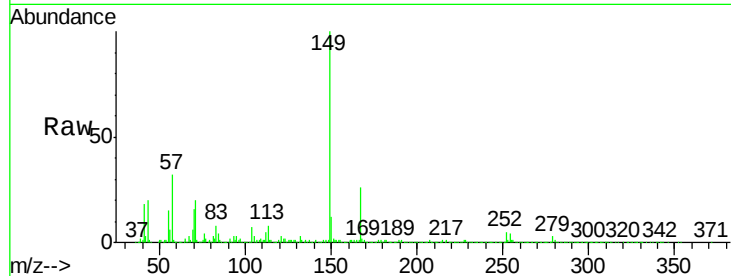
Tgt Ion:252 Resp: 27635

Ion Ratio Lower Upper

252 100

254 67.1 51.3 76.9

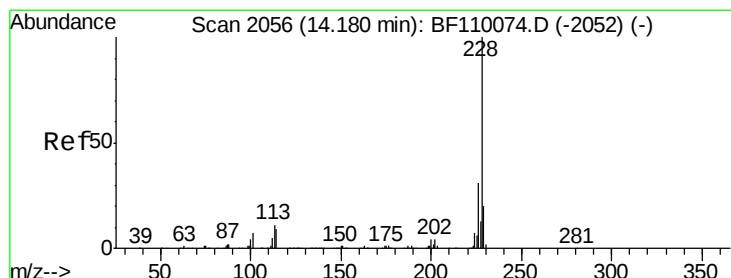
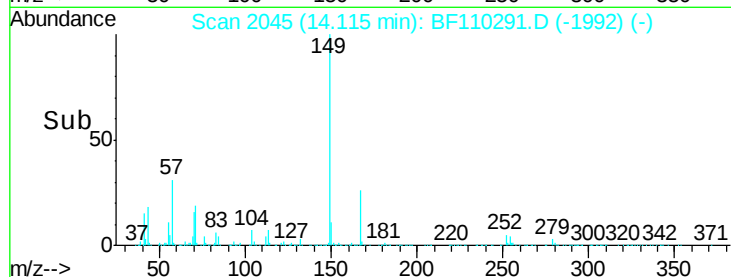
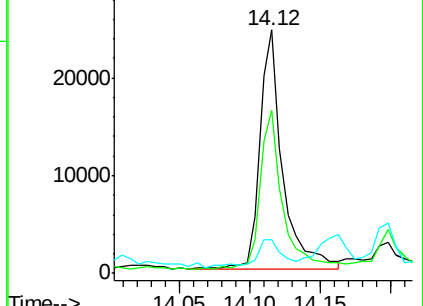
126 13.7 9.4 14.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83

Chrysene

Concen: 82.175 ng

RT: 14.20 min Scan# 2059

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

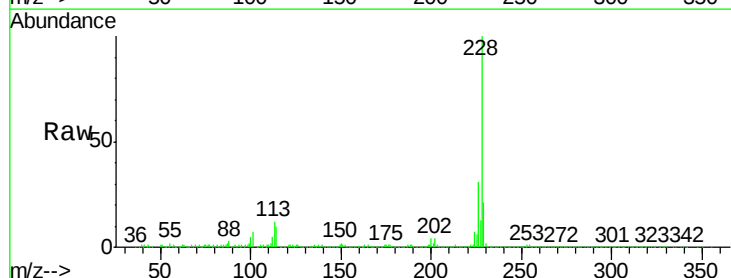
Tgt Ion:228 Resp: 786246

Ion Ratio Lower Upper

228 100

226 30.9 24.7 37.1

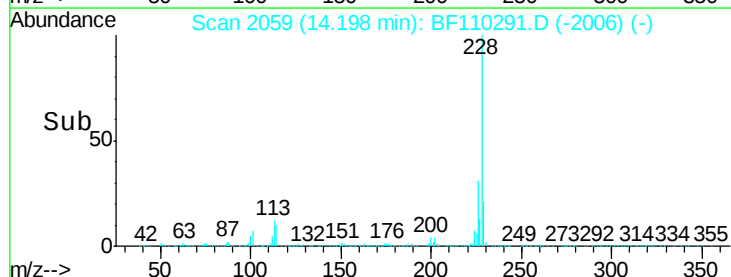
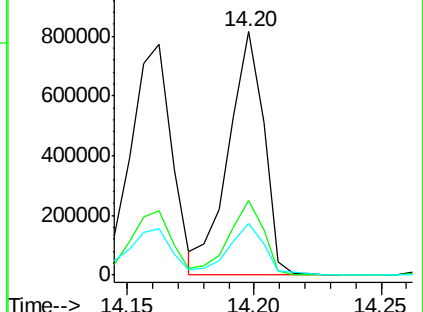
229 21.0 15.9 23.9

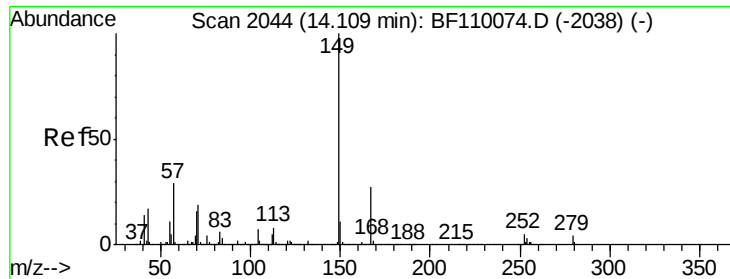


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 61.287 ng

RT: 14.12 min Scan# 2046

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

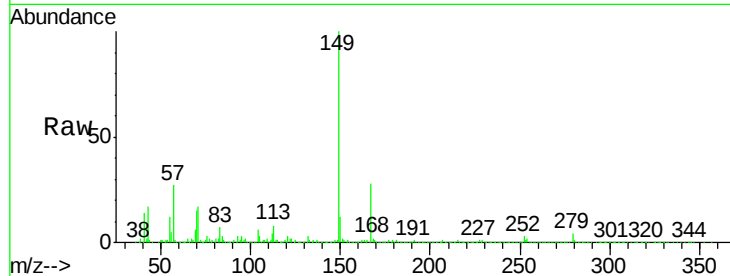
Tgt Ion:149 Resp: 437922

Ion Ratio Lower Upper

149 100

167 27.7 19.8 29.8

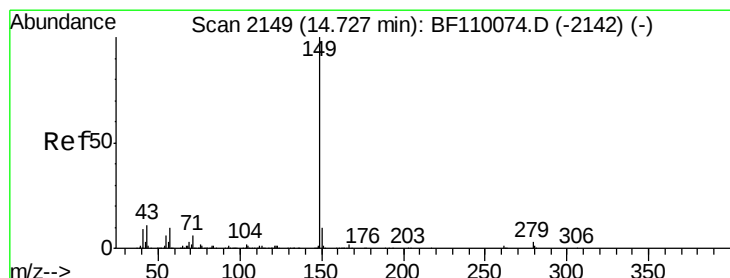
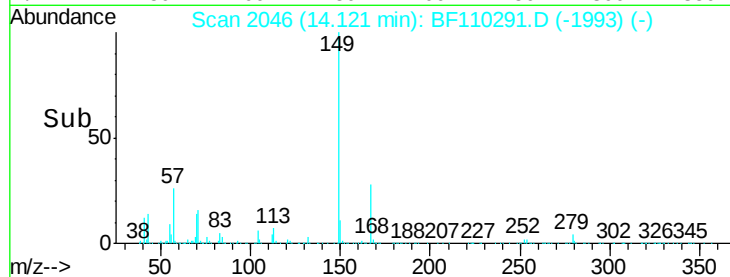
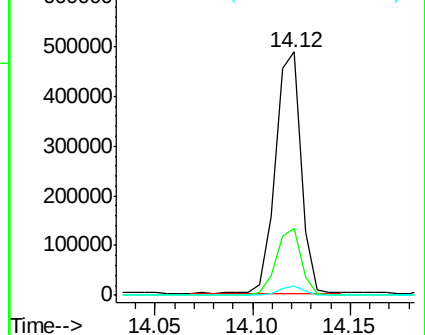
279 4.1 2.7 4.1#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 56.745 ng

RT: 14.74 min Scan# 2151

Delta R.T. 0.01 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

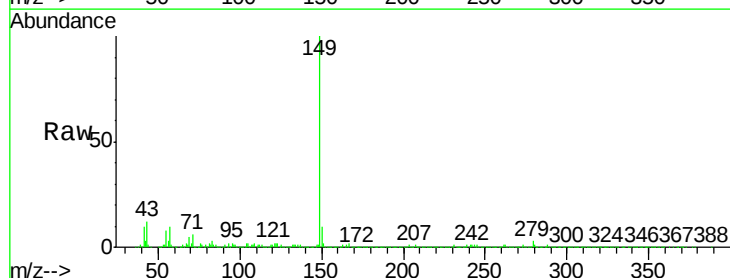
Tgt Ion:149 Resp: 630468

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

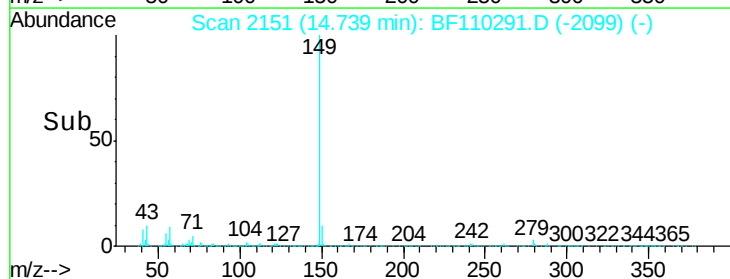
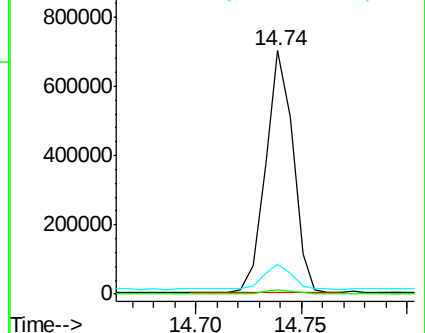
43 10.5 7.8 11.8

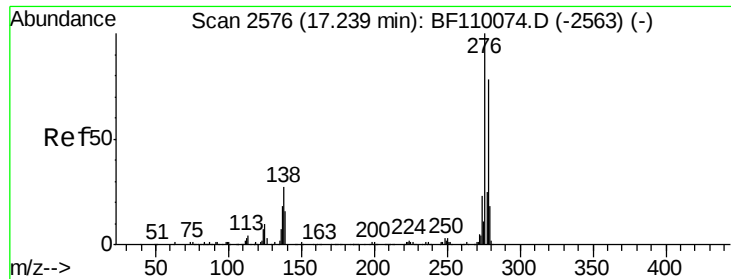


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

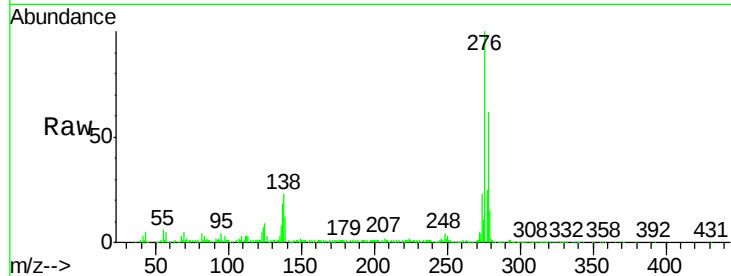




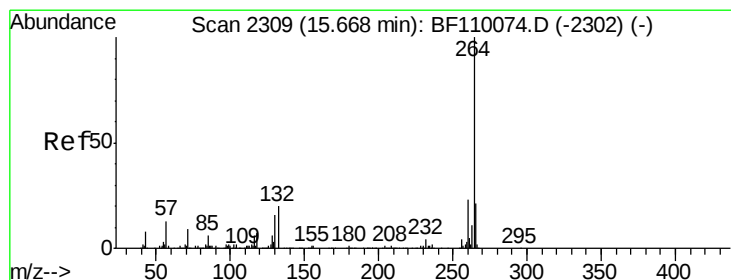
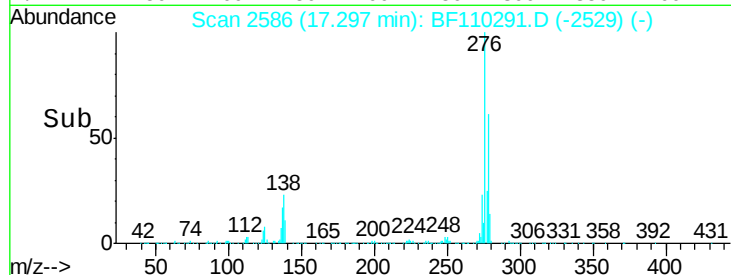
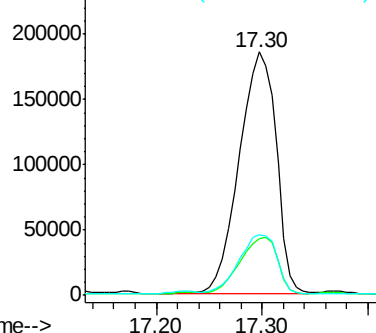
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 56.737 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. 0.04 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Instrument :
 BNA_F
 ClientSampleId :
 DL-SED-01MSD

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.5	27.7
277	25.5	20.0	30.0

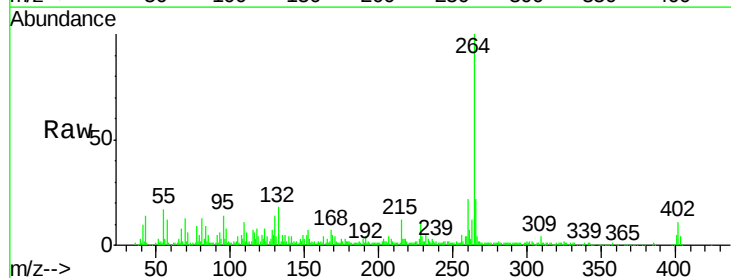


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

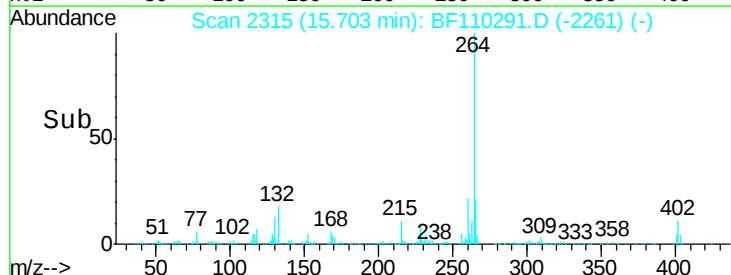
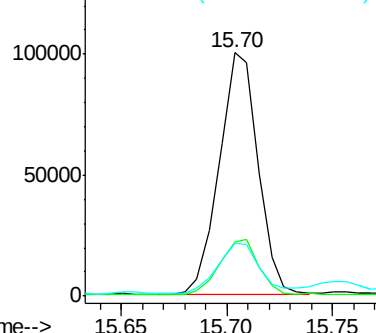


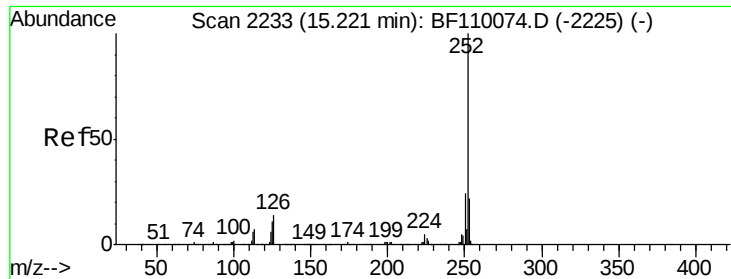
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.02 min
 Lab File: BF110291.D
 Acq: 30 Oct 2018 4:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.7	28.1
265	21.6	16.7	25.1



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

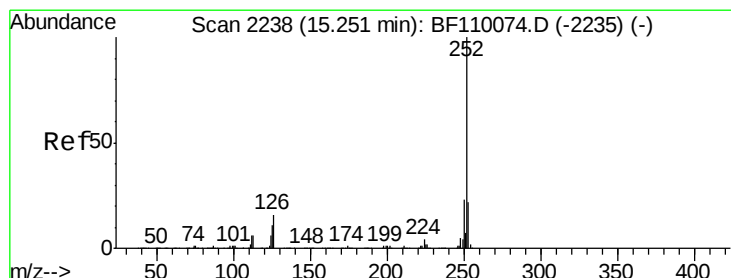
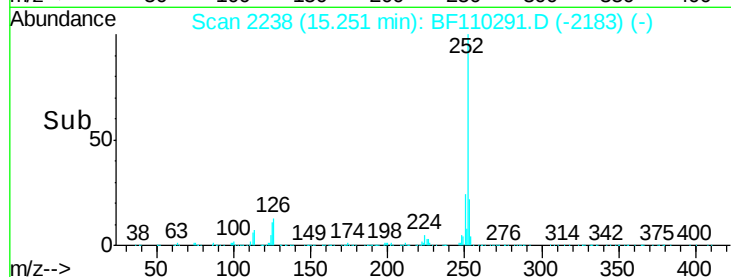
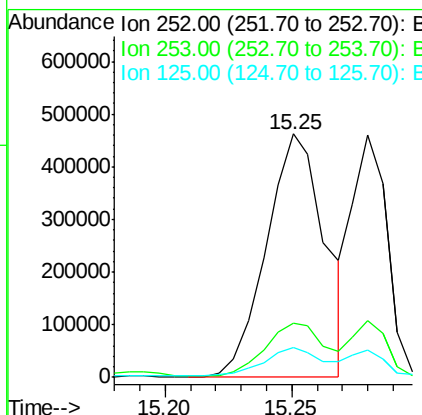
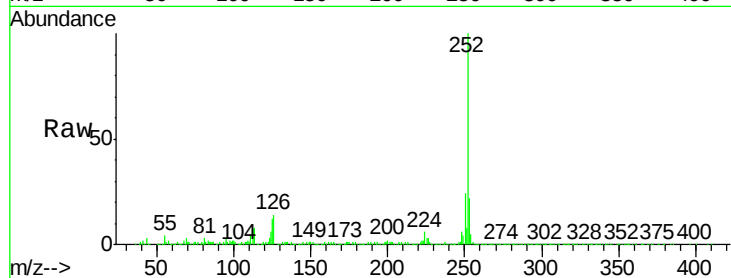




#88
Benzo(b)fluoranthene
Concen: 100.109 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

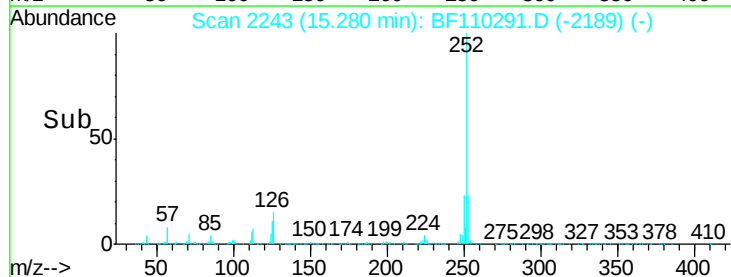
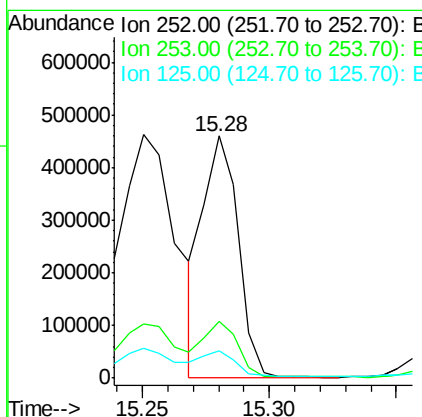
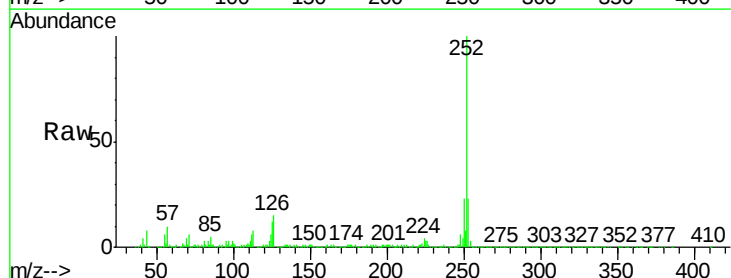
Instrument :
BNA_F
ClientSampleId :
DL-SED-01MSD

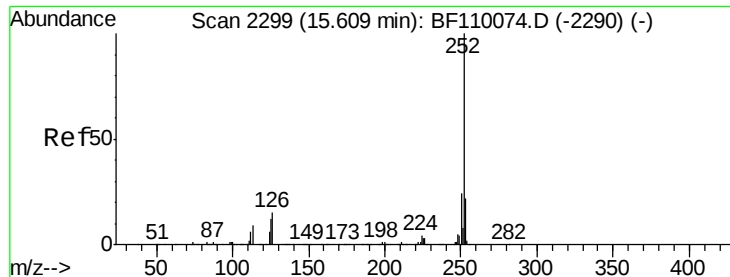
Tgt Ion:252 Resp: 742499
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 12.0 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 60.768 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.02 min
Lab File: BF110291.D
Acq: 30 Oct 2018 4:30

Tgt Ion:252 Resp: 443089
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 11.5 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 80.228 ng

RT: 15.64 min Scan# 2305

Delta R.T. 0.02 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

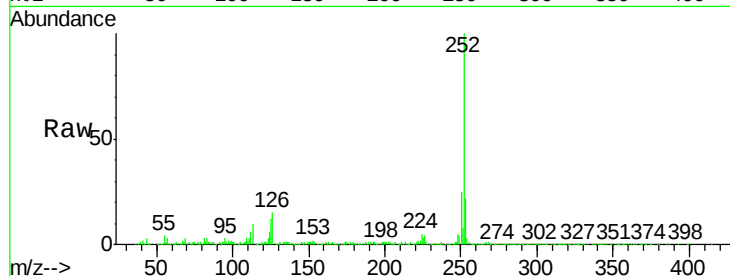
Tgt Ion:252 Resp: 547534

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.4

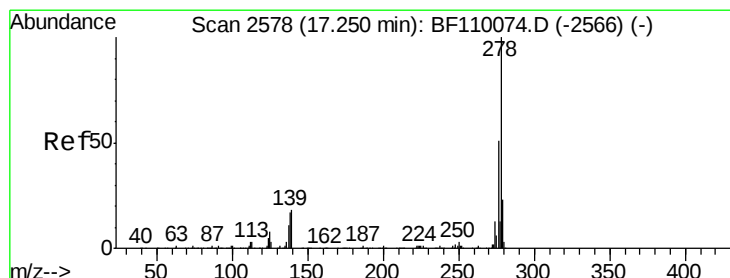
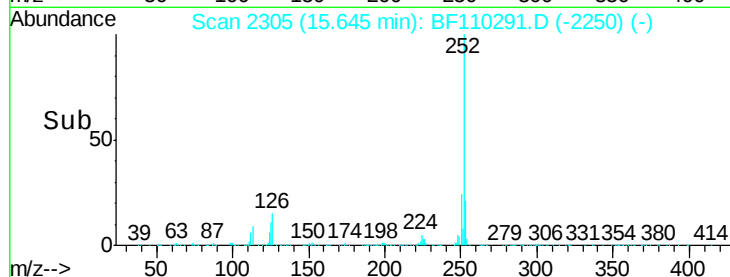
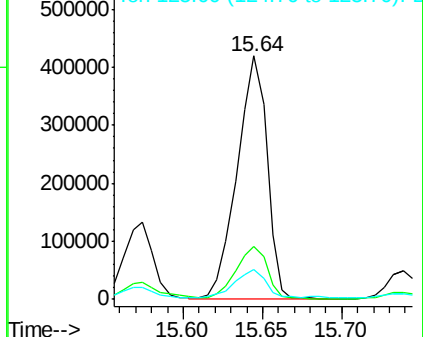
125 12.0 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 50.996 ng

RT: 17.31 min Scan# 2588

Delta R.T. 0.04 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

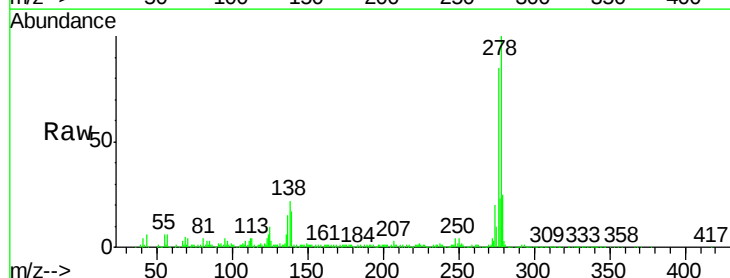
Tgt Ion:278 Resp: 300303

Ion Ratio Lower Upper

278 100

139 16.9 12.7 19.1

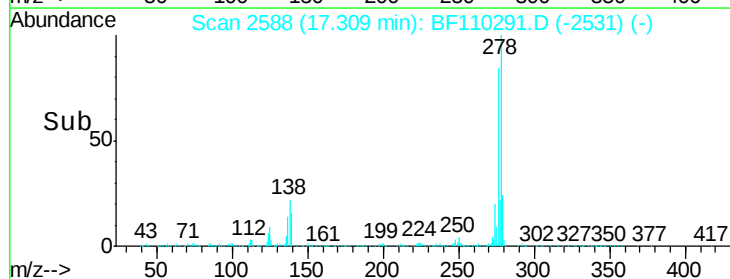
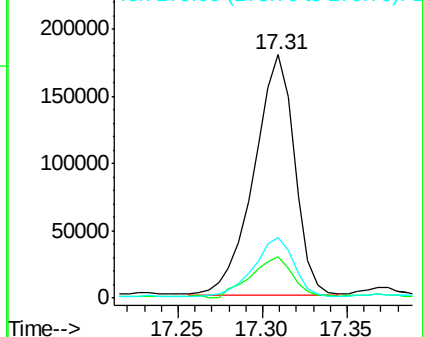
279 25.0 19.0 28.4

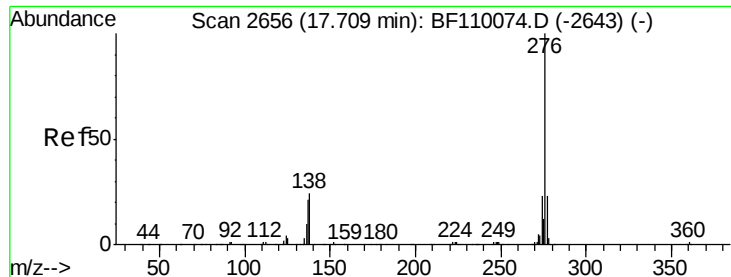


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(g,h,i)perylene

Concen: 66.520 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.05 min

Lab File: BF110291.D

Acq: 30 Oct 2018 4:30

Instrument :

BNA_F

ClientSampleId :

DL-SED-01MSD

Tgt Ion: 276 Resp: 386008

Ion Ratio Lower Upper

276 100

277 22.8 18.8 28.2

138 20.4 16.0 24.0

