

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM061118\
 Data File : BM015600.D
 Acq On : 11 Jun 2018 11:42
 Operator : SJ/JU
 Sample : J3346-22
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 12 01:12:27 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060818MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 12 01:03:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	89762	20.00	ng/ul	0.00
18) Naphthalene-d8	11.17	136	451709	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.96	164	294621	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.68	188	719901	20.00	ng/ul	0.00
77) Chrysene-d12	21.79	240	857718	20.00	ng/ul	0.00
85) Perylene-d12	24.20	264	923036	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	5960	3.23	ng/uL	0.00
5) Phenol-d5	7.48	99	177991	21.84	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.66	67	112162	22.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.86	132	141229	22.67	ng/ul	0.00
13) 4-Methylphenol-d8	9.05	113	147614	21.03	ng/ul	0.00
19) Nitrobenzene-d5	9.53	128	71355	23.49	ng/ul	0.00
22) 2-Nitrophenol-d4	10.25	143	80301	24.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.79	165	157347	23.26	ng/ul	0.00
29) 4-Chloroaniline-d4	11.32	131	84634	11.23	ng/ul	0.00
43) Dimethylphthalate-d6	14.36	166	677666	27.78	ng/ul	0.00
46) Acenaphthylene-d8	14.66	160	732333	27.84	ng/ul	0.00
51) 4-Nitrophenol-d4	15.15	143	118397	25.14	ng/ul	0.00
57) Fluorene-d10	15.94	176	588597	28.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.07	200	124989	28.82	ng/ul	0.00
70) Anthracene-d10	17.78	188	1081553	32.95	ng/ul	0.00
78) Pyrene-d10	20.03	212	1296798	35.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.04	264	1602429	34.63	ng/ul	0.00

Target Compounds

				Ovalue	
2) 1,4-Dioxane	3.58	88	14356	7.553	ng/uL 92
6) Phenol	7.51	94	8869	1.048	ng/ul# 69
12) 2,2'-oxybis(1-Chloropropan	8.87	45	153113	14.579	ng/ul# 87
20) Nitrobenzene	9.57	77	142459	17.365	ng/ul 91
23) 2-Nitrophenol	10.28	139	86053	22.845	ng/ul# 84
25) Bis(2-Chloroethoxy)methane	10.56	93	122515	13.065	ng/ul 99
27) 2,4-Dichlorophenol	10.82	162	107209	15.872	ng/ul 98
28) Naphthalene	11.22	128	221930	9.816	ng/ul 99
30) 4-Chloroaniline	11.22	127	28926	3.700	ng/ul# 4
33) 4-Chloro-3-methylphenol	12.43	107	423864	52.706	ng/ul 98
34) 2-Methylnaphthalene	12.81	142	410912	23.698	ng/ul 99
37) Hexachlorocyclopentadiene	13.13	237	72253	21.002	ng/ul 99
38) 2,4,6-Trichlorophenol	13.40	196	93565	16.791	ng/ul 98
39) 2,4,5-Trichlorophenol	13.40	196	93565	15.229	ng/ul 99
41) 2-Chloronaphthalene	13.85	162	317624	17.857	ng/ul 97
44) Dimethylphthalate	14.40	163	94400	3.790	ng/ul 99
45) 2,6-Dinitrotoluene	14.54	165	49370	10.688	ng/ul# 79
47) Acenaphthylene	14.69	152	437604	15.935	ng/ul 99
49) Acenaphthene	15.02	153	238826	11.784	ng/ul 98
54) 2,4-Dinitrotoluene	15.32	165	223957	31.223	ng/ul# 77
55) 2,3,4,6-Tetrachlorophenol	15.57	232	206018	37.078	ng/ul 97
58) Fluorene	15.99	166	279632	11.726	ng/ul 98
59) 4-Chlorophenyl-phenylether	15.97	204	227411	19.157	ng/ul 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

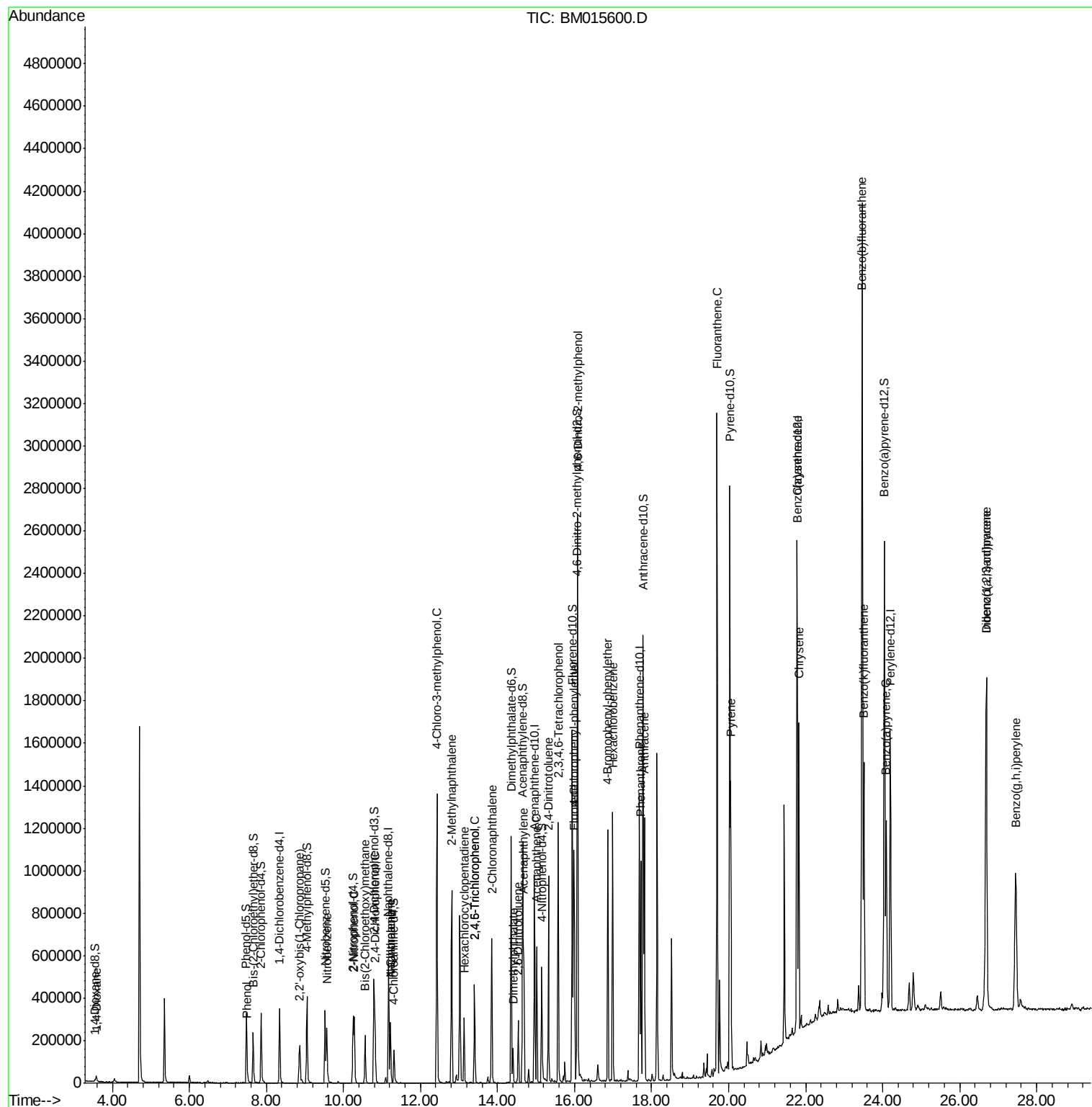
63) 4,6-Dinitro-2-methylphenol	16.09	198	446189	96.290	ng/ul	96
65) 4-Bromophenyl-phenylether	16.87	248	183090	25.023	ng/ul	94
66) Hexachlorobenzene	16.99	284	230413	26.942	ng/ul	99
69) Phenanthrene	17.72	178	560780	14.194	ng/ul	100
71) Anthracene	17.82	178	716600	17.807	ng/ul	100
76) Fluoranthene	19.70	202	1775285	36.645	ng/ul	99
79) Pyrene	20.06	202	725793	15.084	ng/ul	99
82) Benzo(a)anthracene	21.77	228	758555	14.586	ng/ul	99
84) Chrysene	21.82	228	695196	14.247	ng/ul	100
87) Benzo(b)fluoranthene	23.47	252	2614583	47.658	ng/ul	99
88) Benzo(k)fluoranthene	23.51	252	738335	14.263	ng/ul	99
90) Benzo(a)pyrene	24.09	252	664666	12.680	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	26.69	276	958999	14.605	ng/ul	97
92) Dibenzo(a,h)anthracene	26.69	278	955226	17.240	ng/ul	98
93) Benzo(a,h,i)perylene	27.46	276	826639	15.272	ng/ul	97

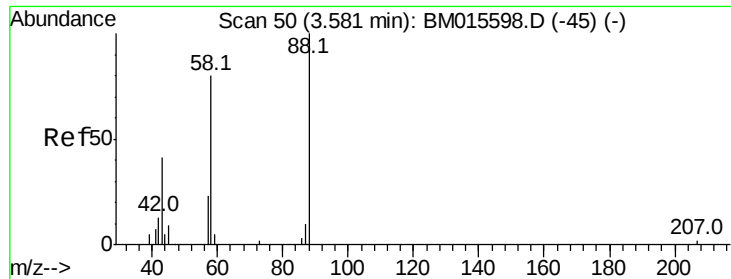
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 7.553 ng/uL

RT: 3.58 min Scan# 50

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

Instrument :

BNA_M

ClientSampleId :

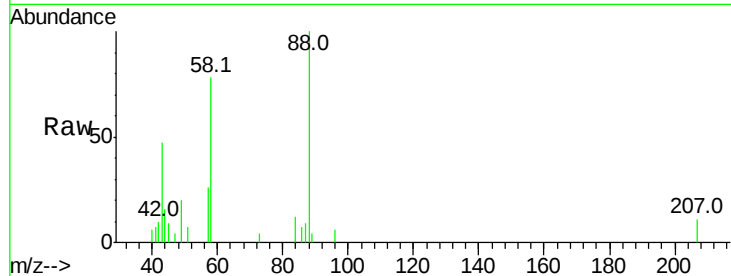
Tot Ion: 88 Resp: 14356

Ion Ratio Lower Upper

88 100

43 36.8 32.0 48.0

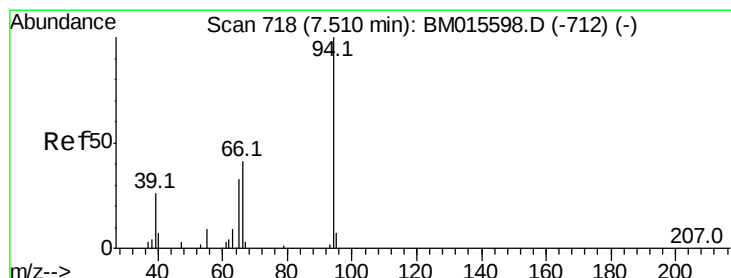
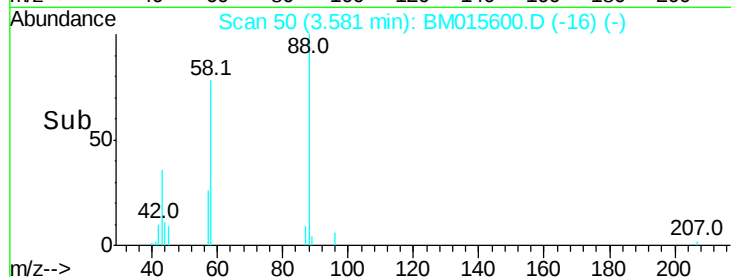
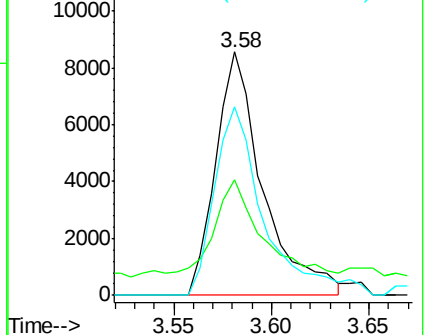
58 81.2 72.0 108.0



Abundance Ion 88.00 (87.70 to 88.70): BM015598.D (-45) (-)

Ion 43.00 (42.70 to 43.70): BM015598.D (-45) (-)

Ion 58.00 (57.70 to 58.70): BM015598.D (-45) (-)



#6

Phenol

Concen: 1.048 ng/uL

RT: 7.51 min Scan# 718

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

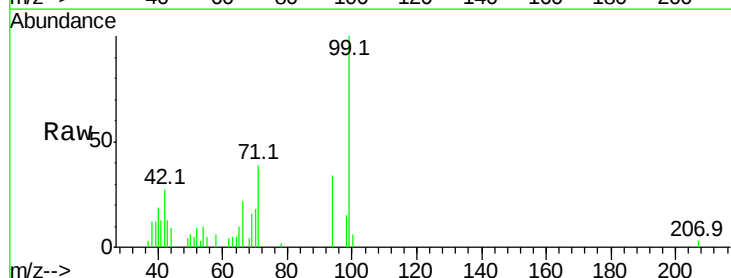
Tgt Ion: 94 Resp: 8869

Ion Ratio Lower Upper

94 100

65 29.8 21.0 31.6

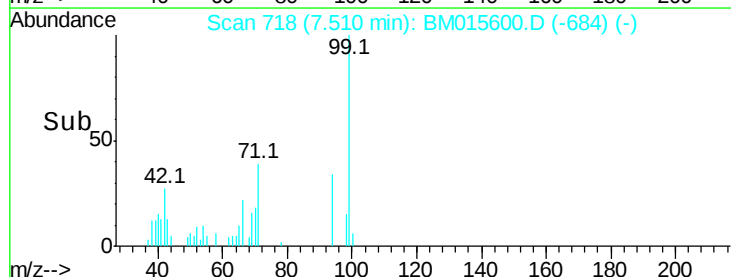
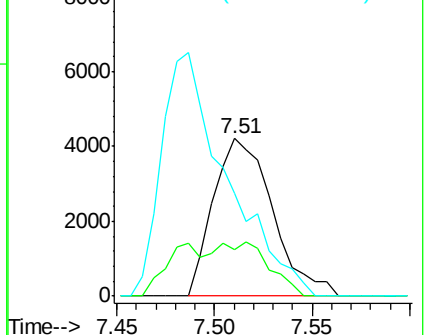
66 65.5 29.3 43.9#

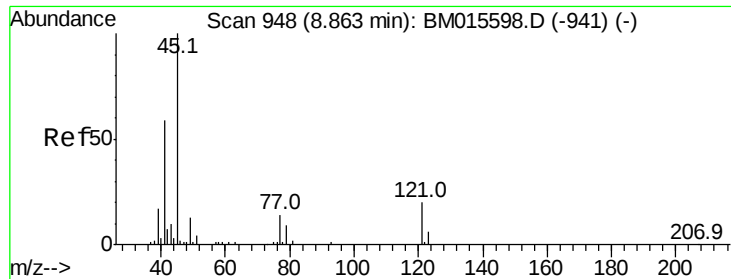


Abundance Ion 94.00 (93.70 to 94.70): BM015598.D (-712) (-)

Ion 65.00 (64.70 to 65.70): BM015598.D (-712) (-)

Ion 66.00 (65.70 to 66.70): BM015598.D (-712) (-)

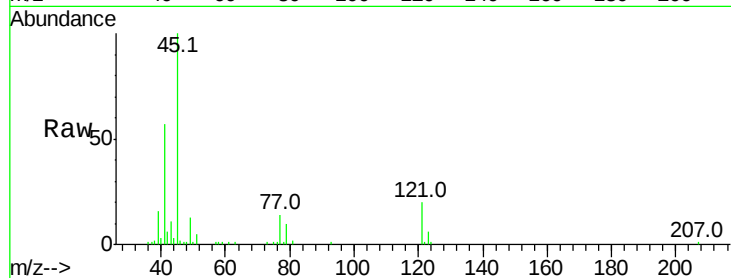




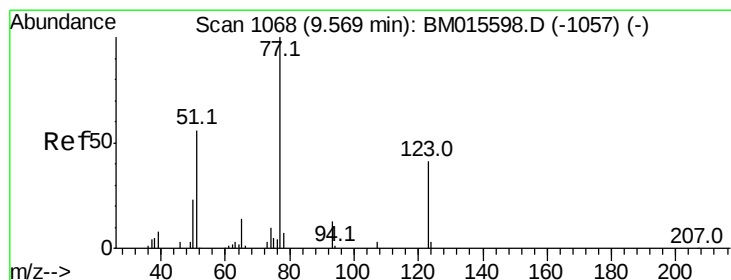
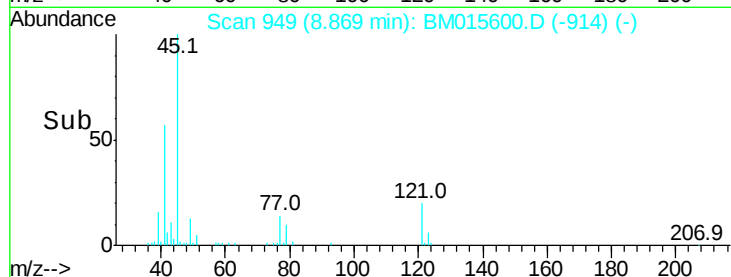
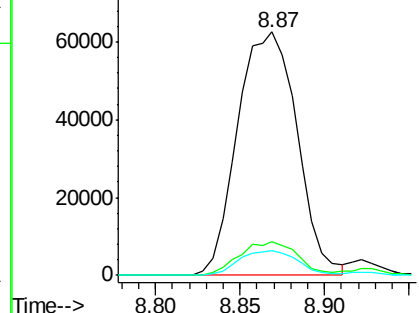
#12
2,2'-oxvbis(1-Chloropropane)
Concen: 14.579 ng/ul
RT: 8.87 min Scan# 949
Delta R.T. 0.01 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Instrument :
BNA_M
ClientSampleId :

Tot Ion: 45 Resp: 153113
Ion Ratio Lower Upper
45 100
77 13.8 15.9 23.9#
79 10.3 12.5 18.7#

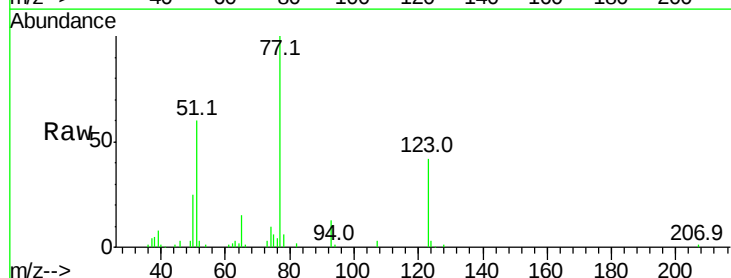


Abundance Ion 45.00 (44.70 to 45.70): BM0
Ion 77.00 (76.70 to 77.70): BM0
Ion 79.00 (78.70 to 79.70): BM0

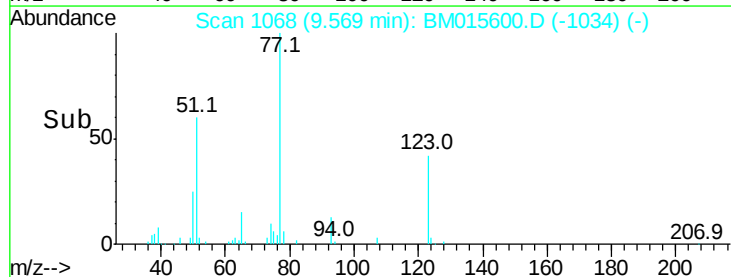
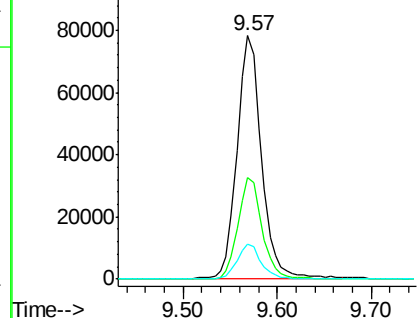


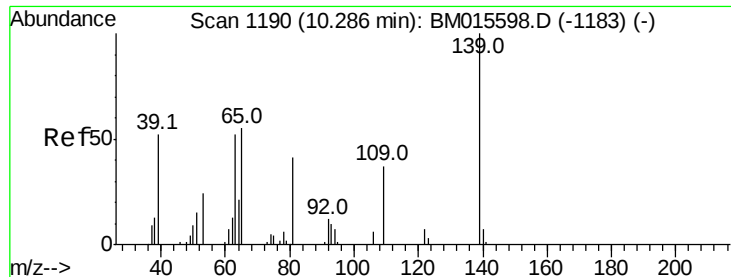
#20
Nitrobenzene
Concen: 17.365 ng/ul
RT: 9.57 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Tgt Ion: 77 Resp: 142459
Ion Ratio Lower Upper
77 100
123 41.7 39.0 58.4
65 14.6 10.4 15.6



Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BM0

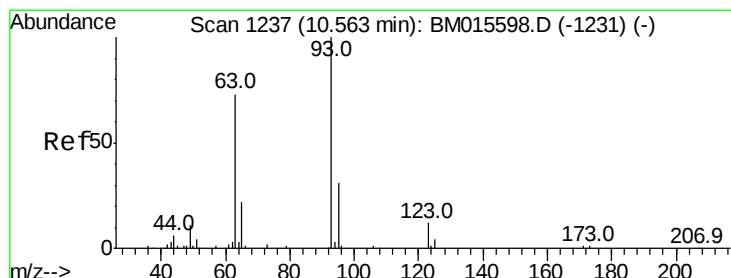
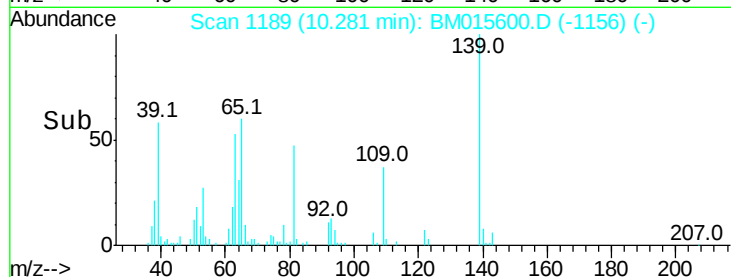
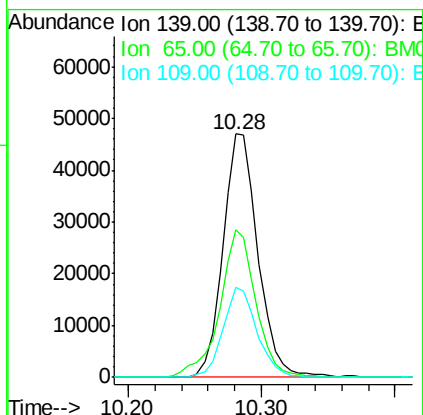
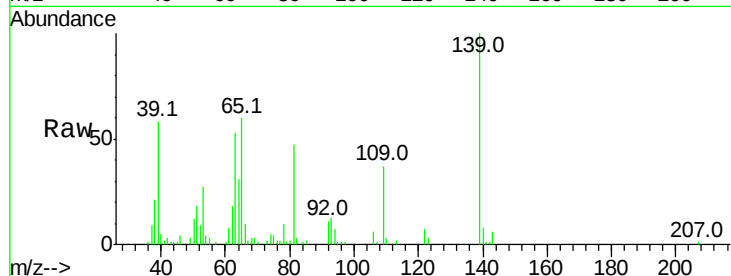




#23
 2-Nitrophenol
 Concen: 22.845 ng/ul
 RT: 10.28 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

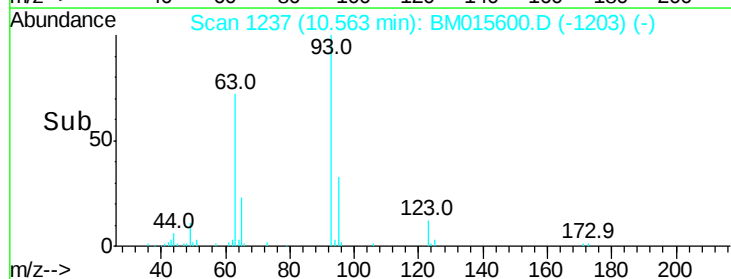
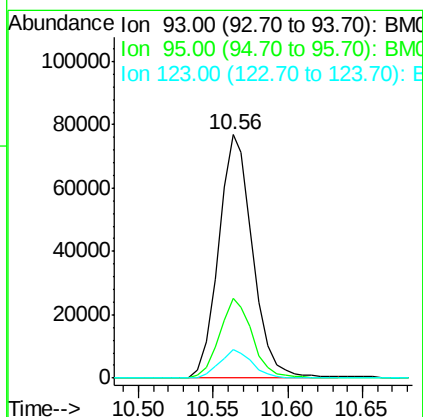
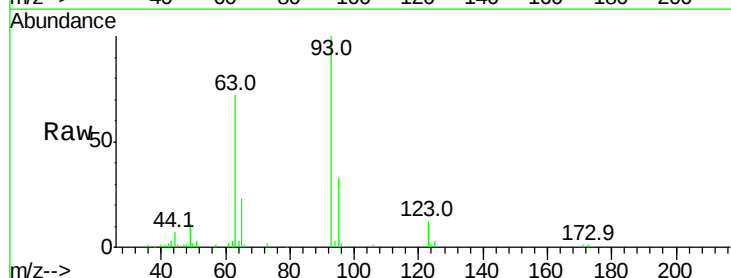
Instrument :
 BNA_M
 ClientSampleId :

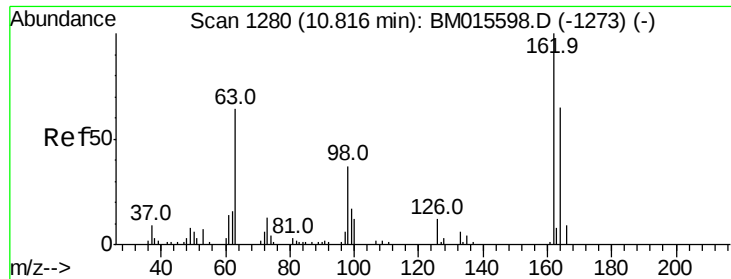
Tot Ion:139 Resp: 86053
 Ion Ratio Lower Upper
 139 100
 65 60.5 36.3 54.5#
 109 36.8 26.4 39.6



#25
 Bis(2-Chloroethoxy)methane
 Concen: 13.065 ng/ul
 RT: 10.56 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Tgt Ion: 93 Resp: 122515
 Ion Ratio Lower Upper
 93 100
 95 32.8 25.8 38.8
 123 11.6 9.8 14.8

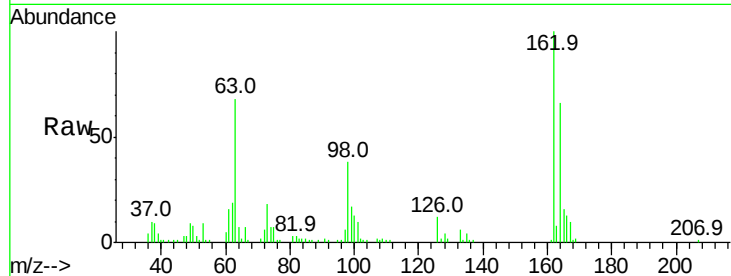




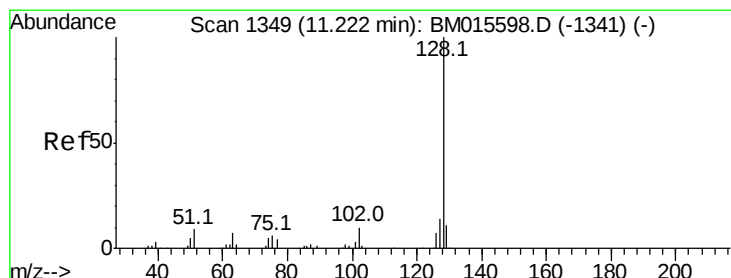
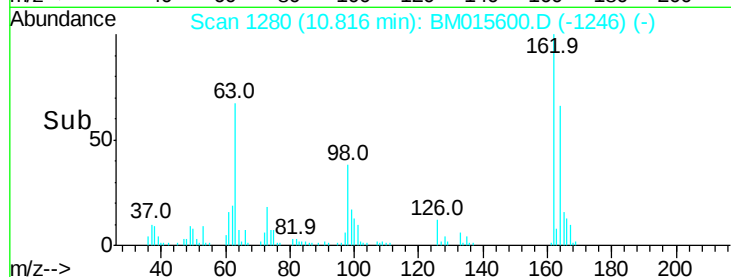
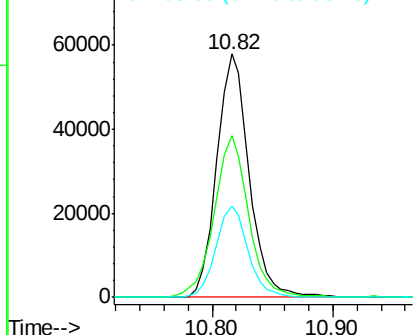
#27
2,4-Dichlorophenol
Concen: 15.872 ng/ul
RT: 10.82 min Scan# 1280
Delta R.T. 0.00 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
162	100		
164	66.3	52.1	78.1
98	37.6	28.4	42.6

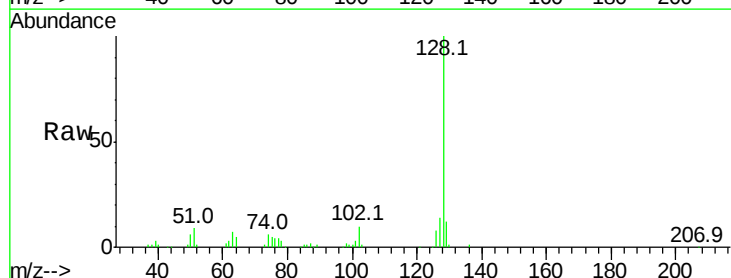


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BM

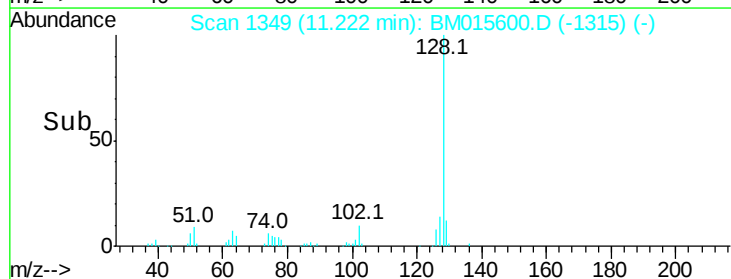
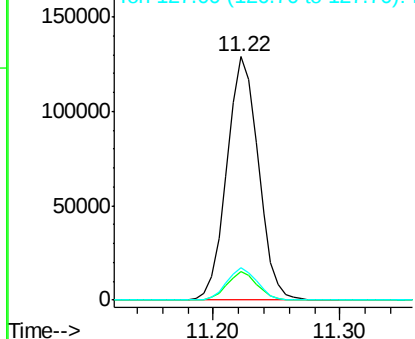


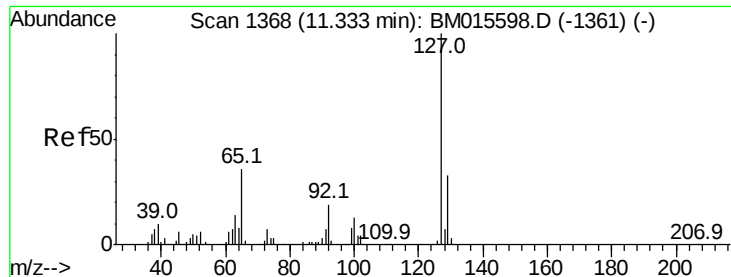
#28
Naphthalene
Concen: 9.816 ng/ul
RT: 11.22 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	13.5	10.5	15.7



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

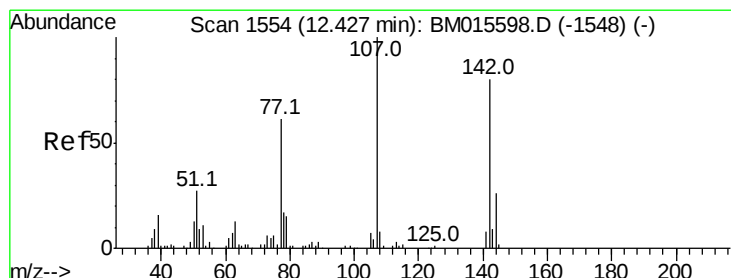
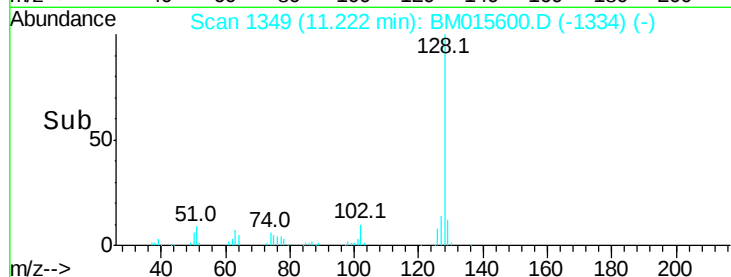
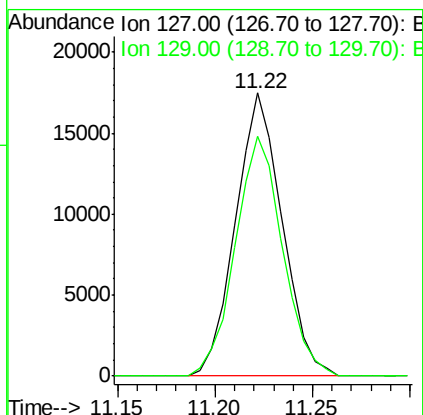
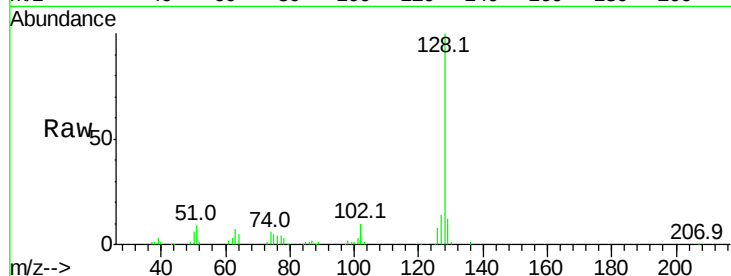




#30
4-Chloroaniline
Concen: 3.700 ng/ul
RT: 11.22 min Scan# 1349
Delta R.T. -0.11 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

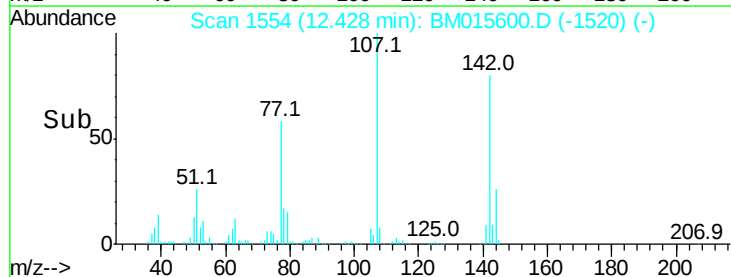
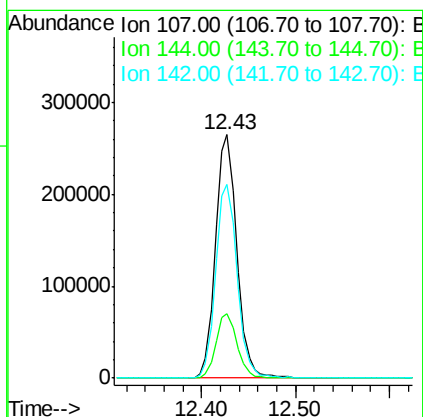
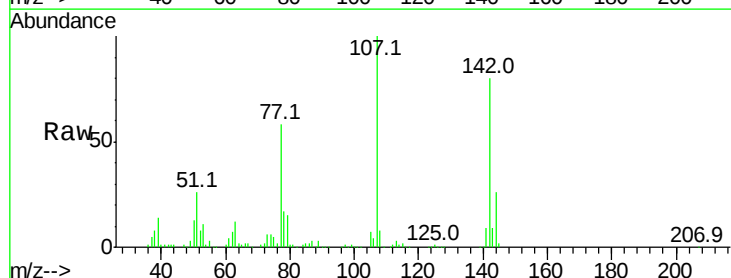
Instrument :
BNA_M
ClientSampleId :

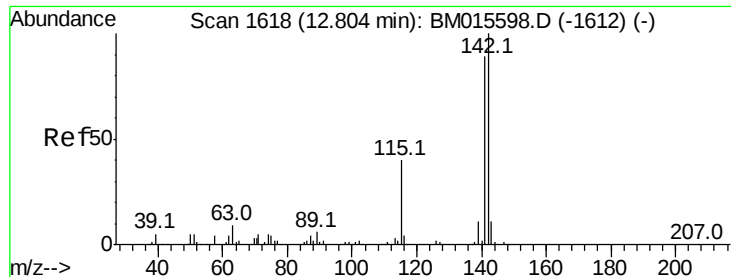
Tot Ion:127 Resp: 28926
Ion Ratio Lower Upper
127 100
129 84.9 25.4 38.2#



#33
4-Chloro-3-methylphenol
Concen: 52.706 ng/ul
RT: 12.43 min Scan# 1554
Delta R.T. 0.00 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Tgt Ion:107 Resp: 423864
Ion Ratio Lower Upper
107 100
144 26.4 20.4 30.6
142 79.7 62.5 93.7

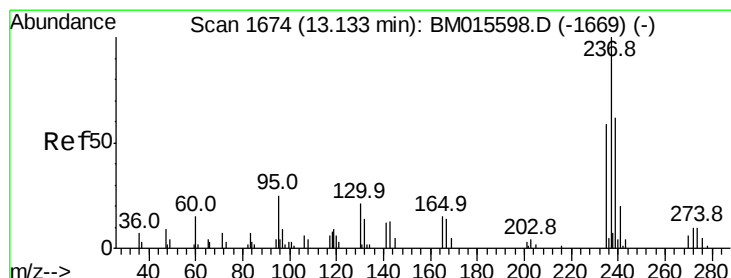
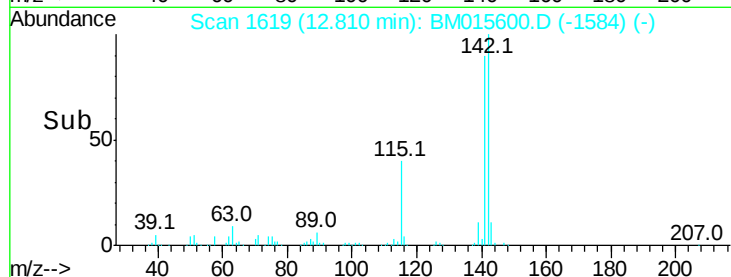
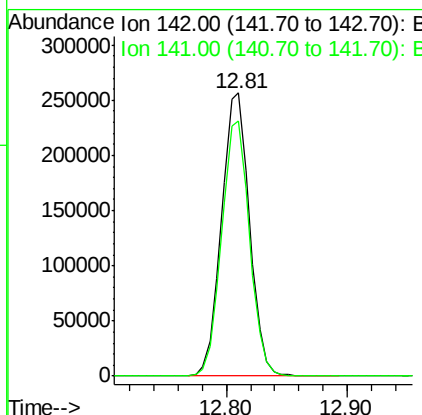
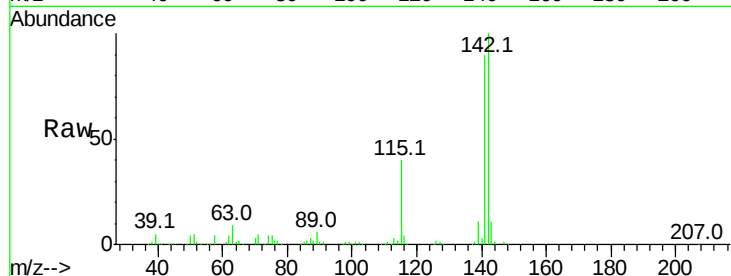




#34
 2-Methylnaphthalene
 Concen: 23.698 ng/ul
 RT: 12.81 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

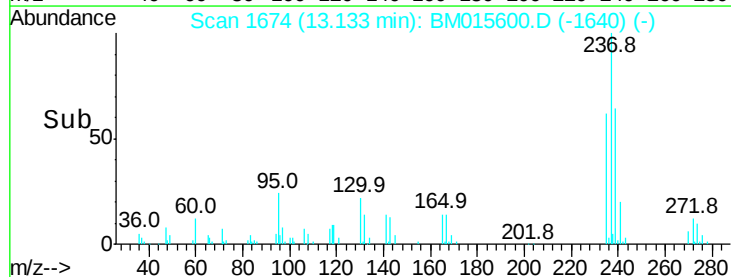
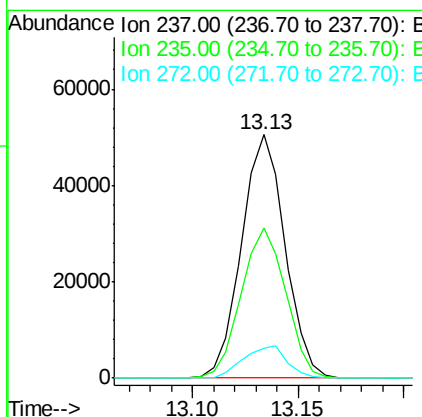
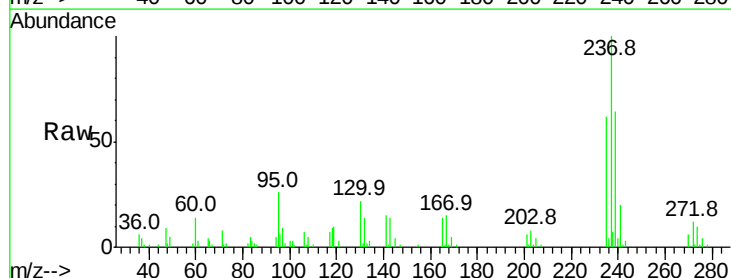
Instrument :
 BNA_M
 ClientSampleID :

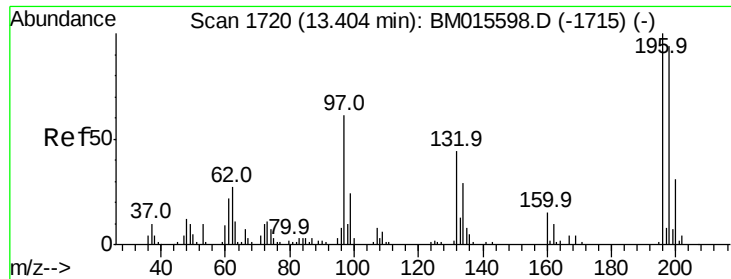
Tot Ion:142 Resp: 410912
 Ion Ratio Lower Upper
 142 100
 141 90.2 71.6 107.4



#37
 Hexachlorocyclopentadiene
 Concen: 21.002 ng/ul
 RT: 13.13 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Tgt Ion:237 Resp: 72253
 Ion Ratio Lower Upper
 237 100
 235 61.9 50.4 75.6
 272 12.7 9.6 14.4

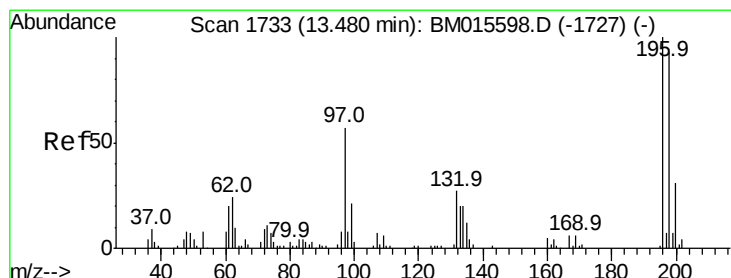
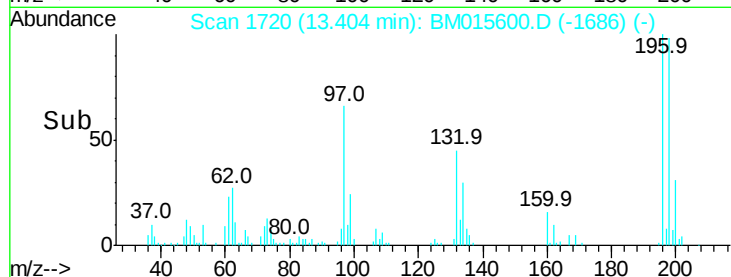
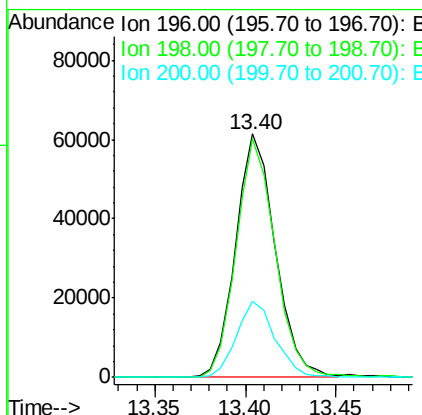
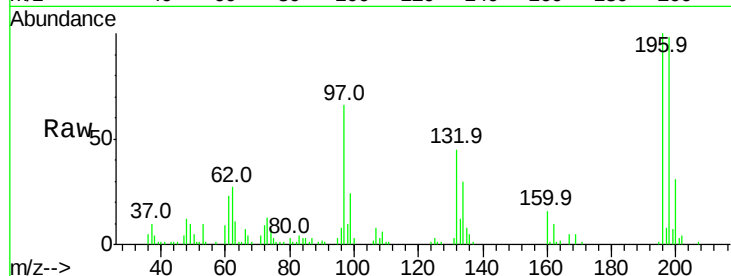




#38
 2,4,6-Trichlorophenol
 Concen: 16.791 ng/ul
 RT: 13.40 min Scan# 1720
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

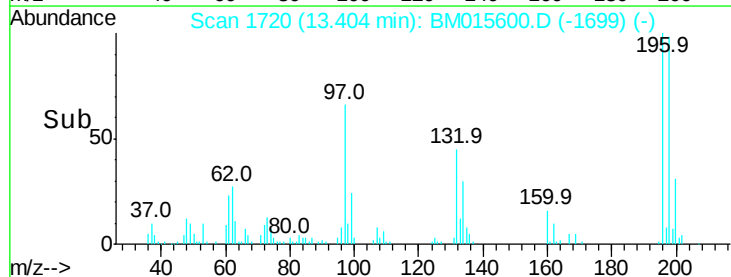
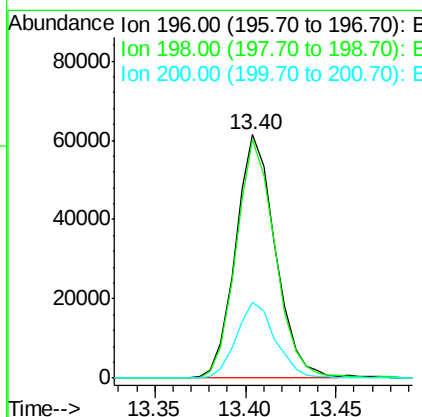
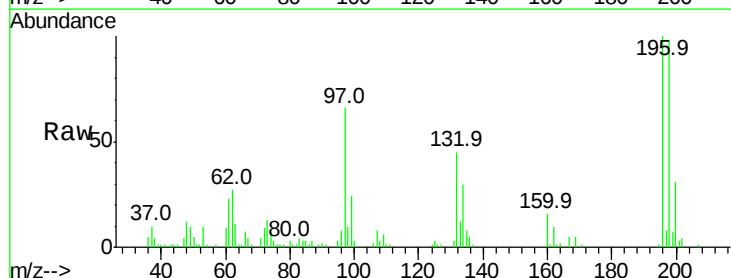
Instrument :
 BNA_M
 ClientSampled :

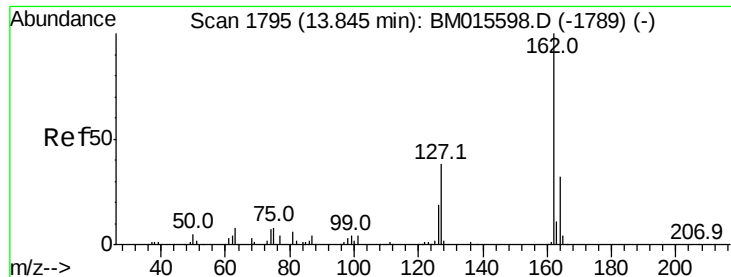
Tot Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.6	114.8
200	31.2	24.7	37.1



#39
 2,4,5-Trichlorophenol
 Concen: 15.229 ng/ul
 RT: 13.40 min Scan# 1720
 Delta R.T. -0.08 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.9	115.3
200	31.2	25.0	37.4

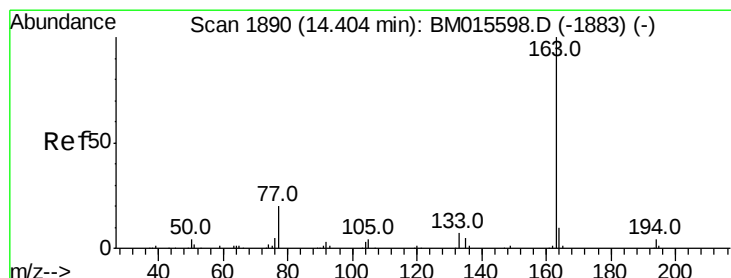
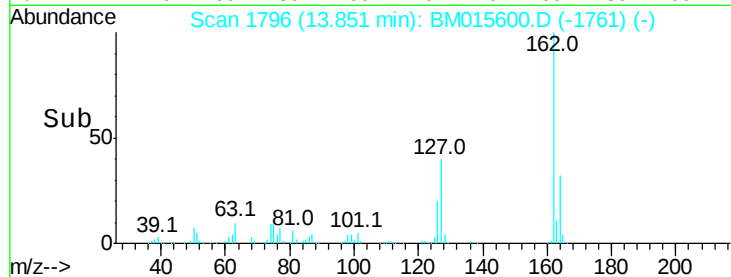
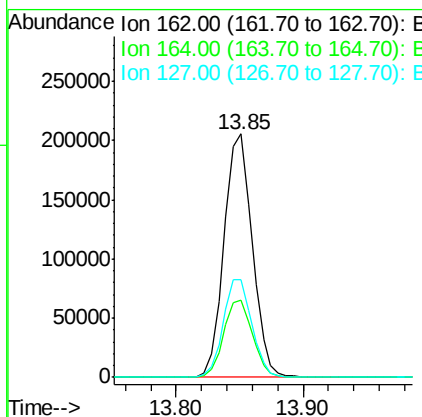
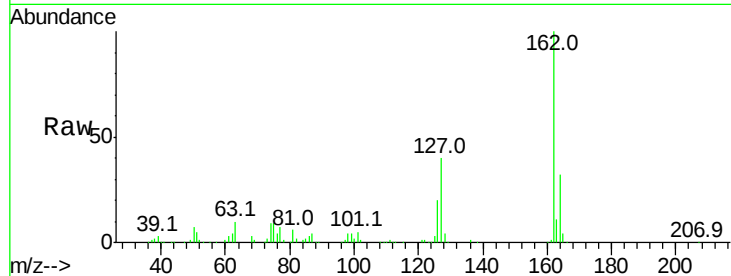




#41
2-Chloronaphthalene
Concen: 17.857 ng/ul
RT: 13.85 min Scan# 1796
Delta R.T. 0.01 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

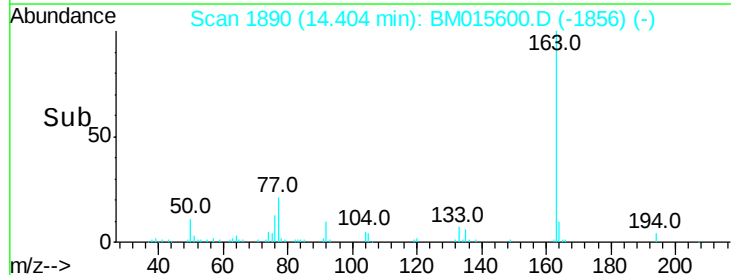
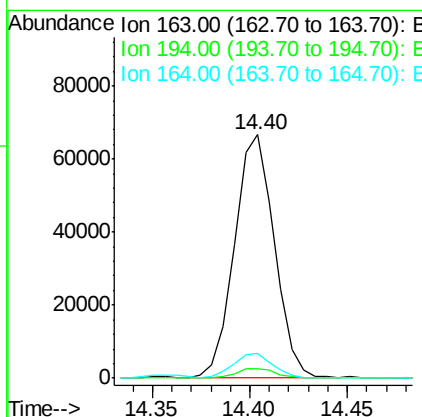
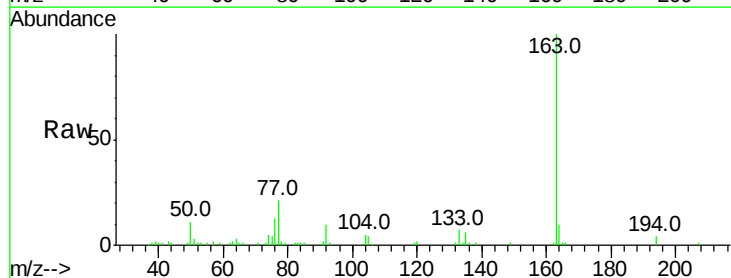
Instrument :
BNA_M
ClientSampled :

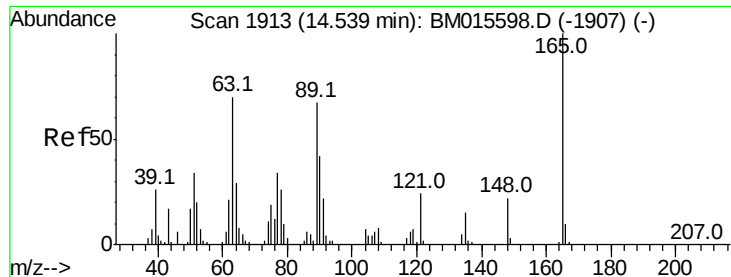
Tot Ion:162 Resp: 317624
Ion Ratio Lower Upper
162 100
164 31.6 25.9 38.9
127 39.9 34.1 51.1



#44
Dimethylphthalate
Concen: 3.790 ng/ul
RT: 14.40 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Tgt Ion:163 Resp: 94400
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.1 7.8 11.8

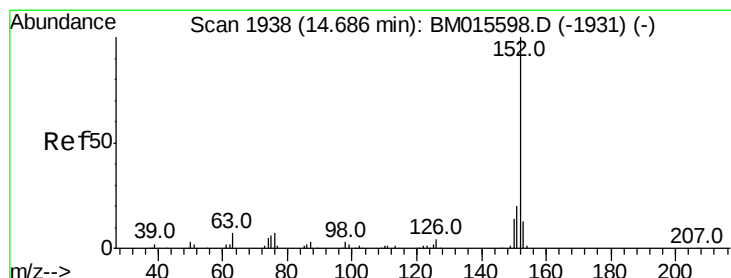
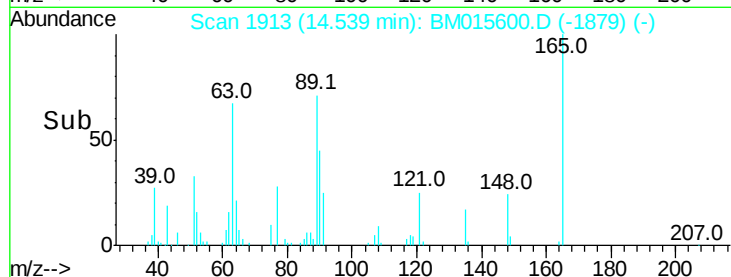
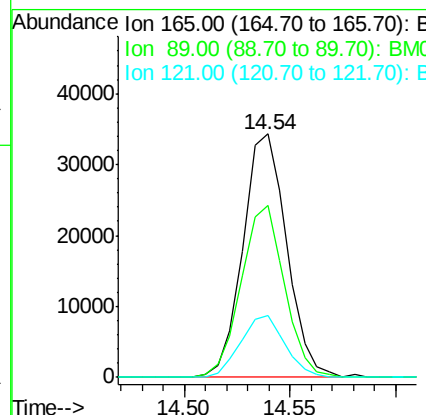
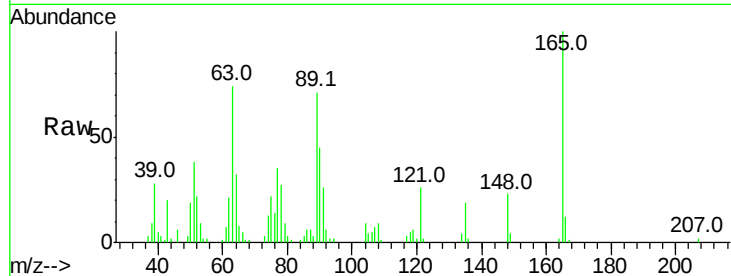




#45
 2,6-Dinitrotoluene
 Concen: 10.688 ng/ul
 RT: 14.54 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

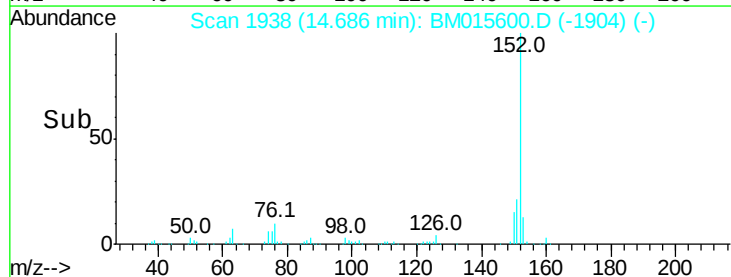
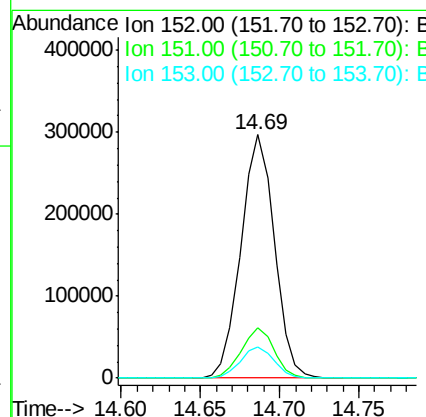
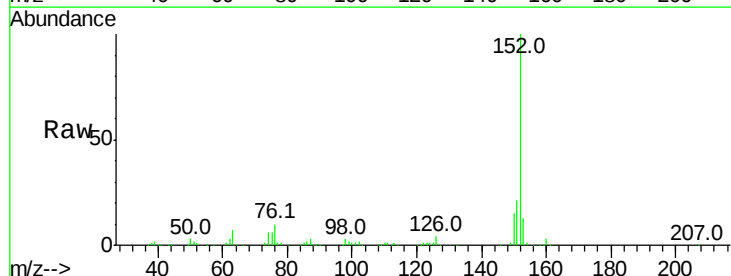
Instrument :
 BNA_M
 ClientSampleId :

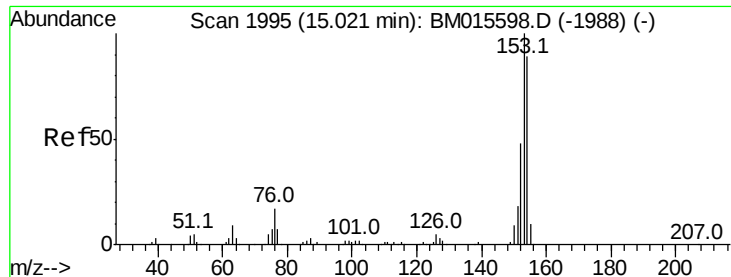
Tot Ion:165 Resp: 49370
 Ion Ratio Lower Upper
 165 100
 89 70.6 42.4 63.6#
 121 25.6 16.6 24.8#



#47
 Acenaphthylene
 Concen: 15.935 ng/ul
 RT: 14.69 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Tgt Ion:152 Resp: 437604
 Ion Ratio Lower Upper
 152 100
 151 20.6 15.7 23.5
 153 13.0 10.5 15.7





#49

Acenaphthene

Concen: 11.784 ng/ul

RT: 15.02 min Scan# 1995

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

Instrument :

BNA_M

ClientSampleId :

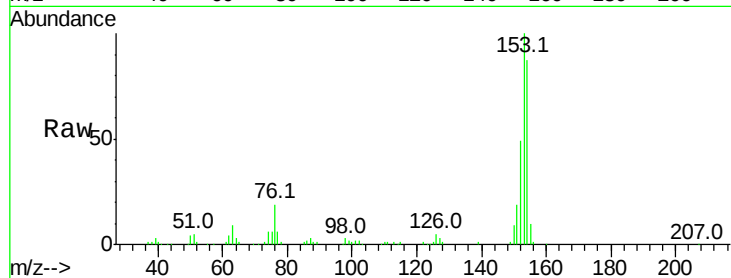
Tot Ion:153 Resp: 238826

Ion Ratio Lower Upper

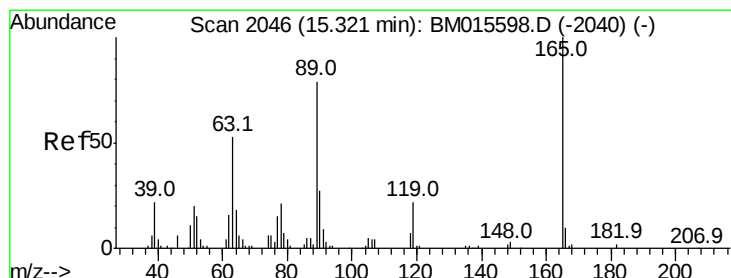
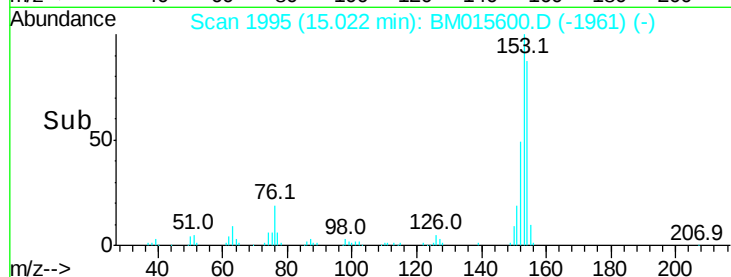
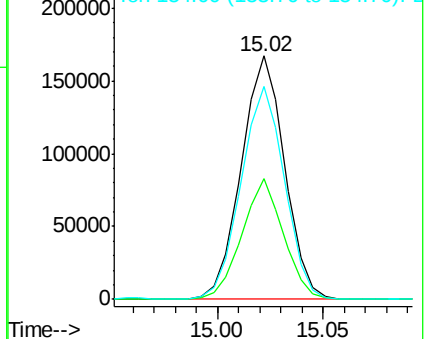
153 100

152 49.5 38.3 57.5

154 87.5 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

2,4-Dinitrotoluene

Concen: 31.223 ng/ul

RT: 15.32 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

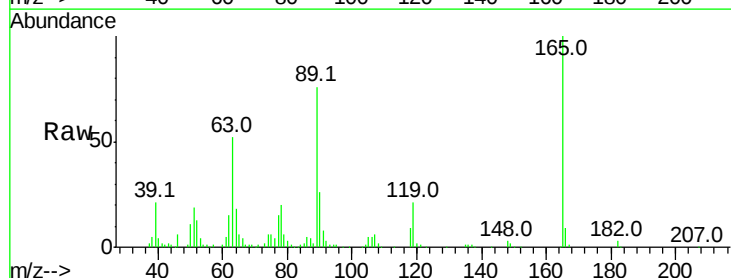
Tgt Ion:165 Resp: 223957

Ion Ratio Lower Upper

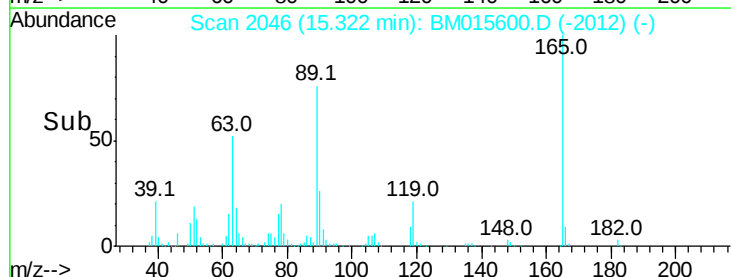
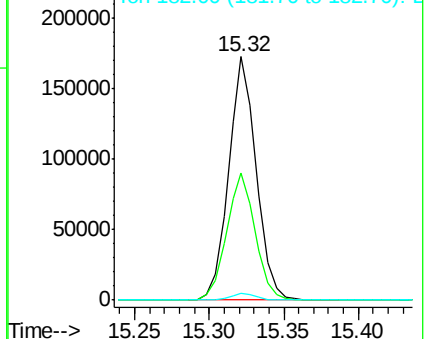
165 100

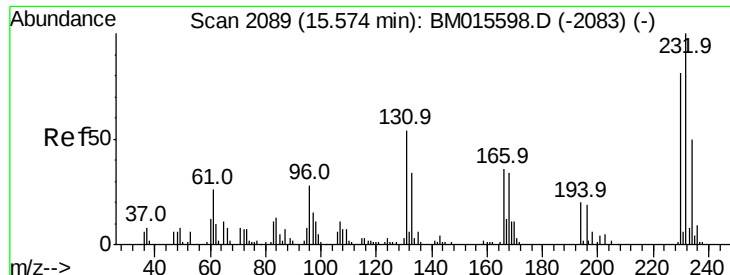
63 52.3 29.8 44.6#

182 2.7 2.2 3.4



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM0
Ion 182.00 (181.70 to 182.70): E

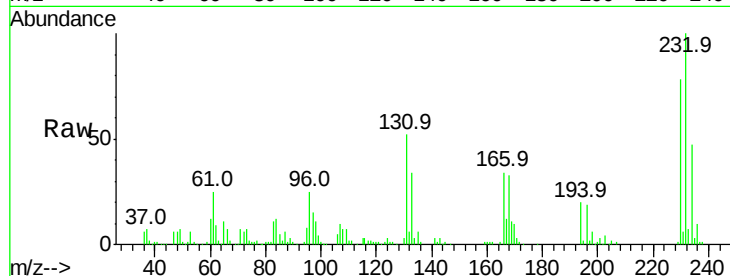




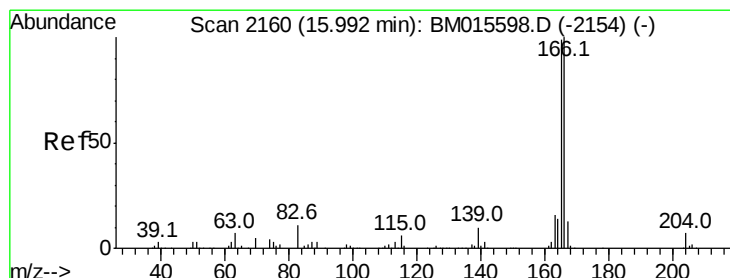
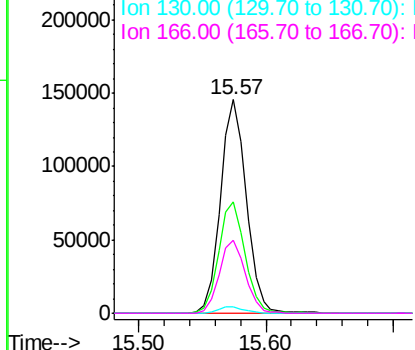
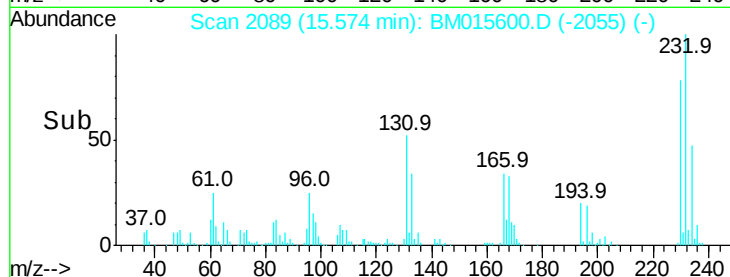
#55
 2,3,4,6-Tetrachlorophenol
 Concen: 37.078 ng/ul
 RT: 15.57 min Scan# 2089
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:232 Resp: 206018
 Ion Ratio Lower Upper
 232 100
 131 52.2 39.4 59.2
 130 2.8 2.2 3.2
 166 34.4 26.6 39.8

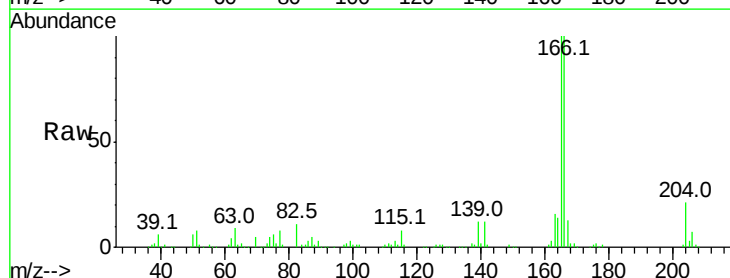


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

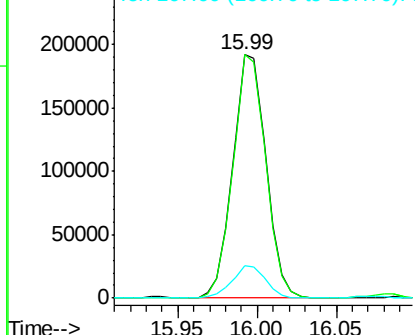
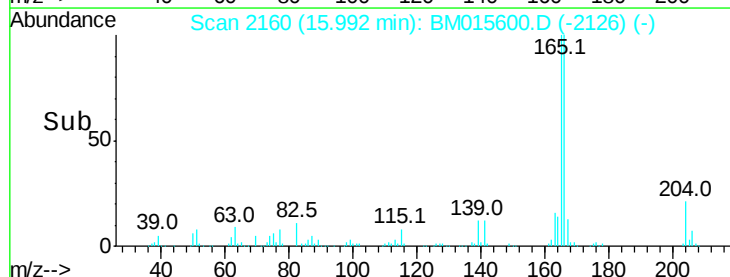


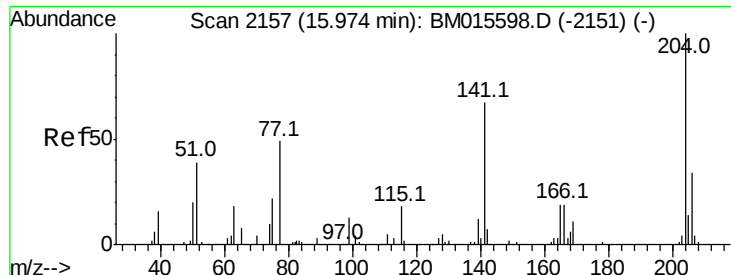
#58
 Fluorene
 Concen: 11.726 ng/ul
 RT: 15.99 min Scan# 2160
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Tgt Ion:166 Resp: 279632
 Ion Ratio Lower Upper
 166 100
 165 99.8 78.5 117.7
 167 13.4 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

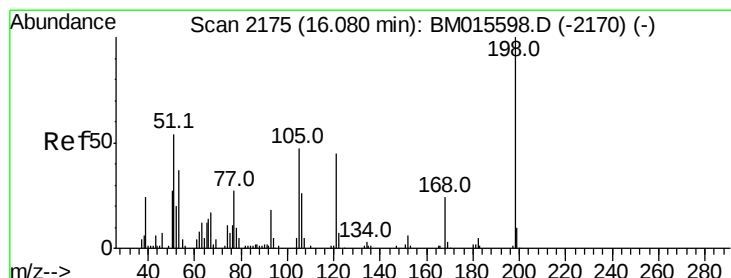
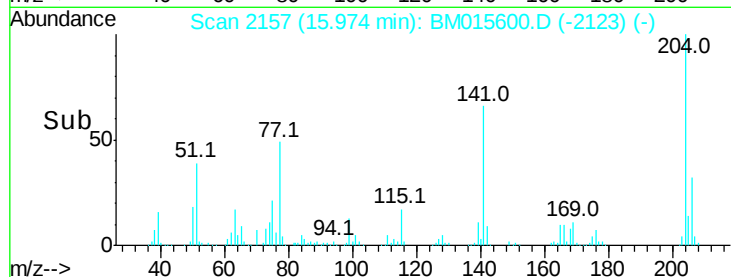
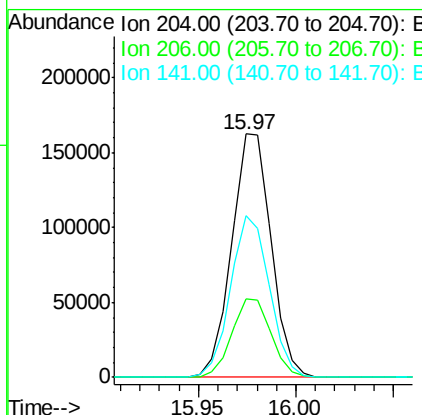
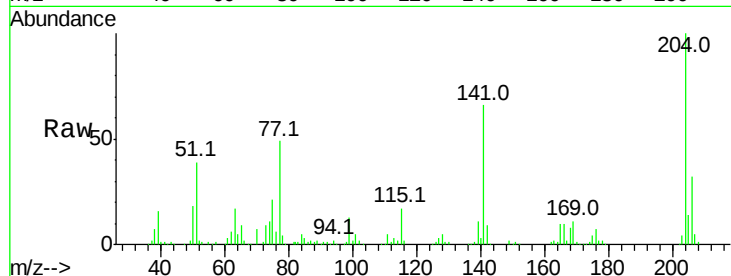




#59
 4-Chlorophenyl-phenylether
 Concen: 19.157 ng/ul
 RT: 15.97 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

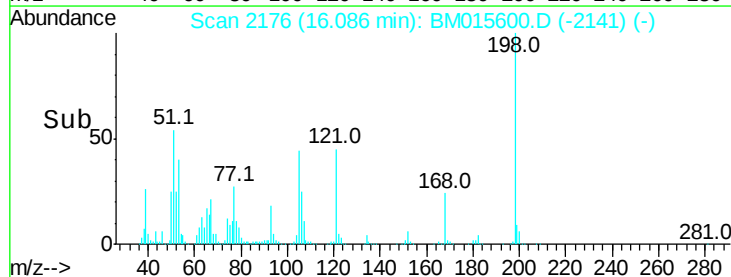
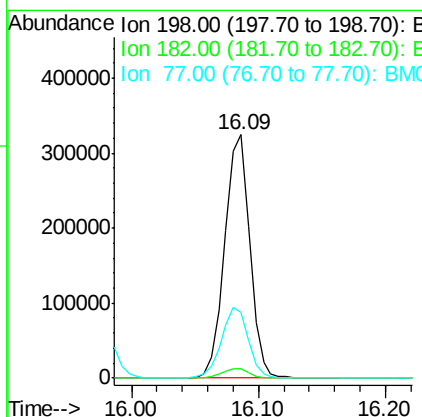
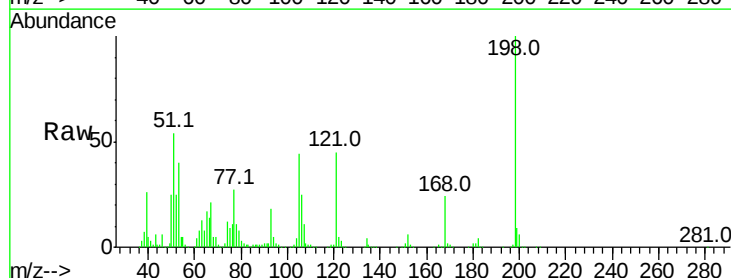
Instrument :
 BNA_M
 ClientSampled :

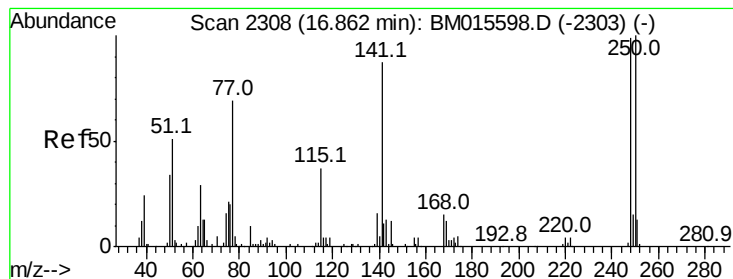
Tot Ion:204 Resp: 227411
 Ion Ratio Lower Upper
 204 100
 206 32.2 26.2 39.4
 141 66.4 54.6 81.8



#63
 4,6-Dinitro-2-methylphenol
 Concen: 96.290 ng/ul
 RT: 16.09 min Scan# 2176
 Delta R.T. 0.01 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Tgt Ion:198 Resp: 446189
 Ion Ratio Lower Upper
 198 100
 182 3.7 3.1 4.7
 77 27.2 20.1 30.1





#65

4-Bromophenyl-phenylether

Concen: 25.023 ng/ul

RT: 16.87 min Scan# 2309

Delta R.T. 0.01 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

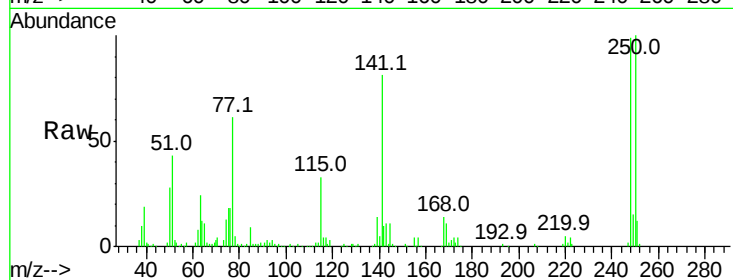
Instrument :

BNA_M

ClientSampleId :

Tot Ion:248 Resp: 183090

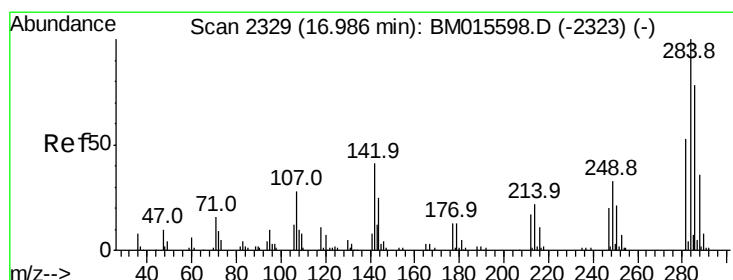
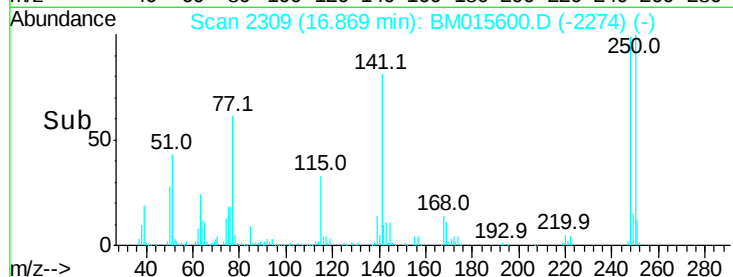
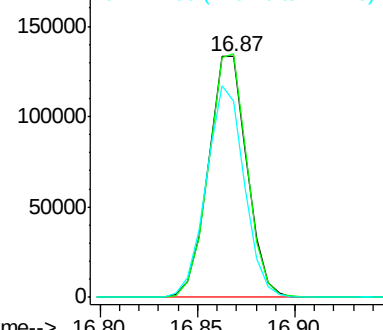
Ion	Ratio	Lower	Upper
248	100		
250	101.2	78.7	118.1
141	81.6	72.2	108.2



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#66

Hexachlorobenzene

Concen: 26.942 ng/ul

RT: 16.99 min Scan# 2329

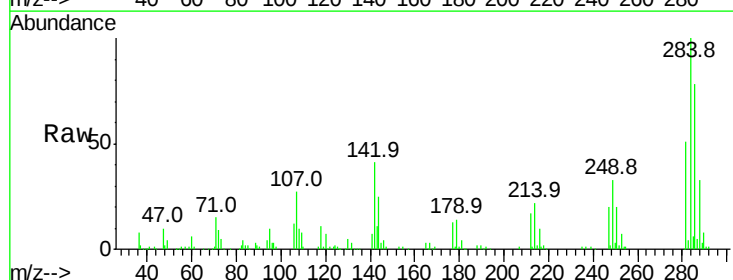
Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

Tgt Ion:284 Resp: 230413

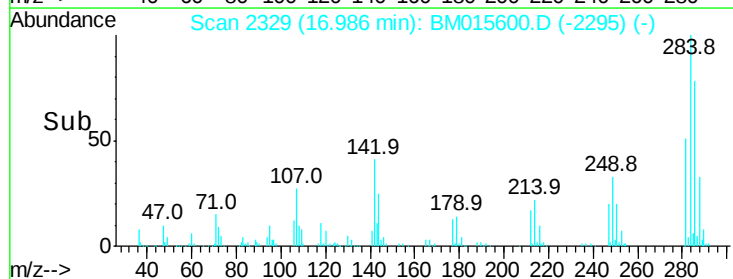
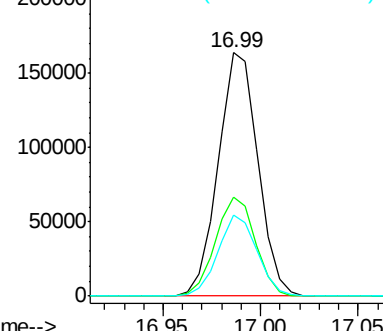
Ion	Ratio	Lower	Upper
284	100		
142	40.7	33.1	49.7
249	33.2	27.1	40.7

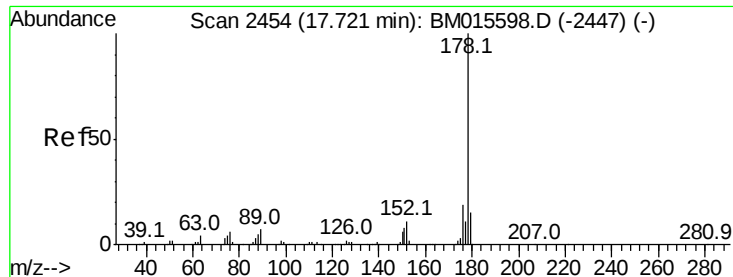


Abundance Ion 284.00 (283.70 to 284.70): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Phenanthrene

Concen: 14.194 ng/ul

RT: 17.72 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

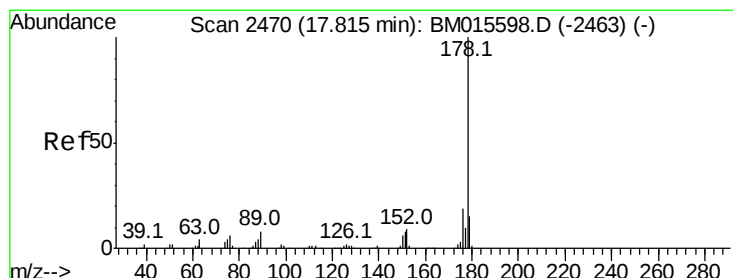
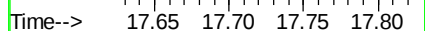
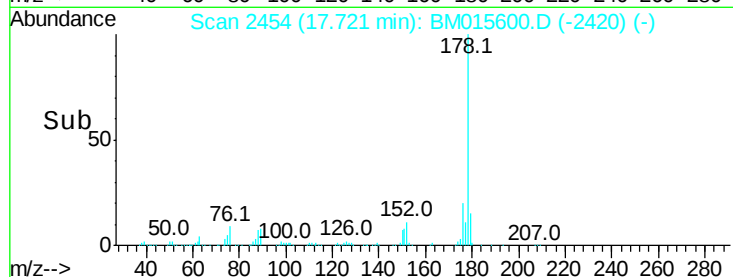
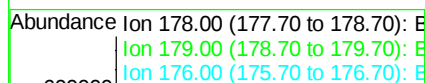
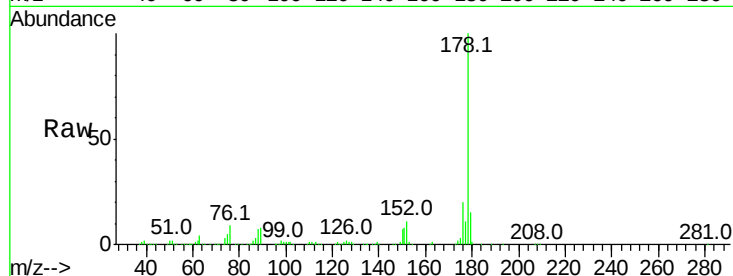
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 560780

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.4
176	19.7	15.6	23.4



#71

Anthracene

Concen: 17.807 ng/ul

RT: 17.82 min Scan# 2470

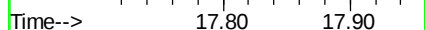
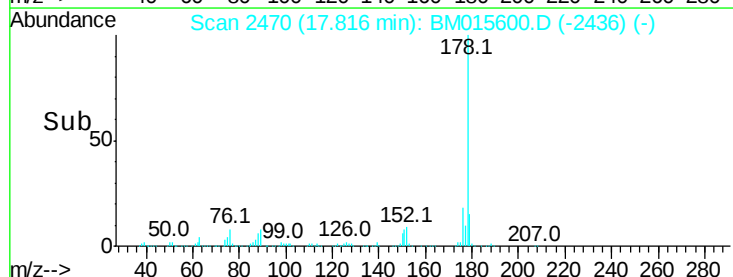
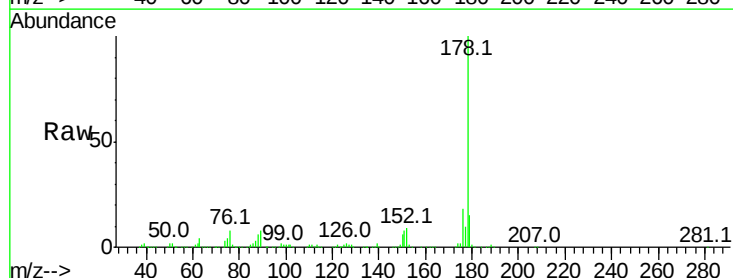
Delta R.T. 0.00 min

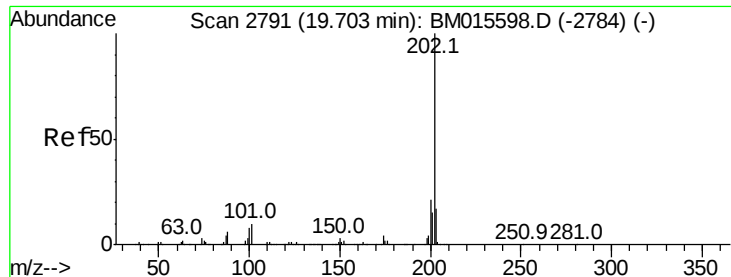
Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

Tgt Ion:178 Resp: 716600

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.1	18.1
176	18.5	14.8	22.2



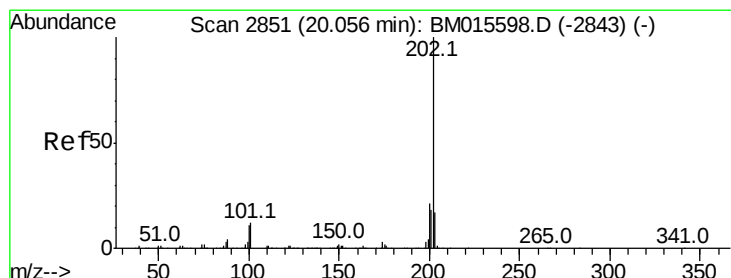
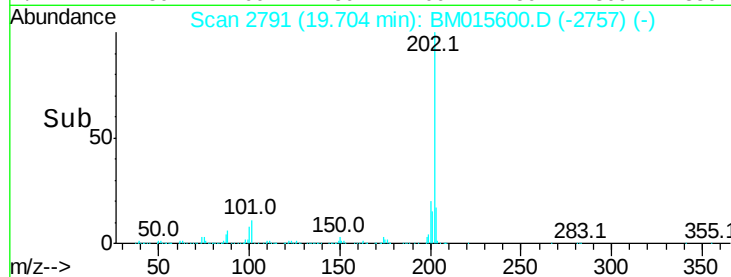
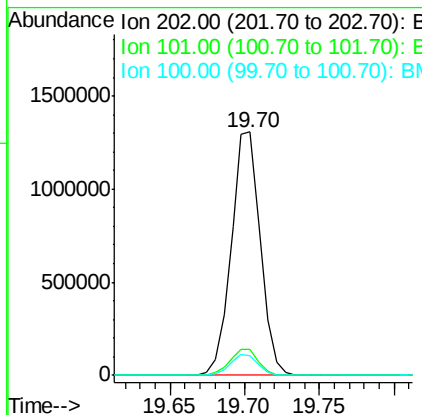
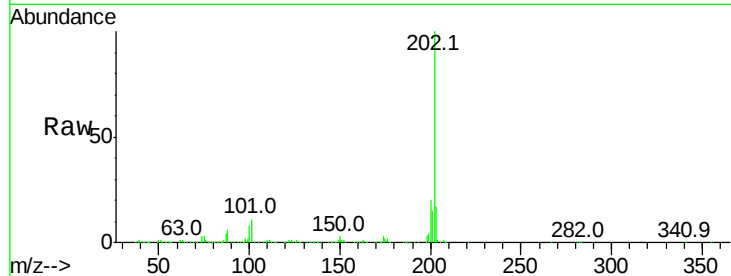


#76
 Fluoranthene
 Concen: 36.645 ng/ul
 RT: 19.70 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp: 1775285

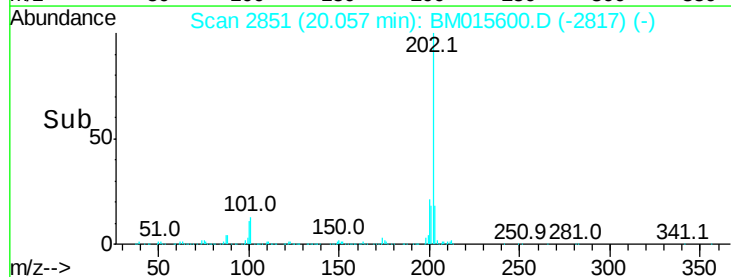
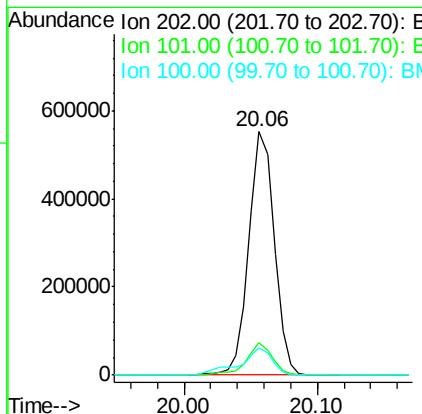
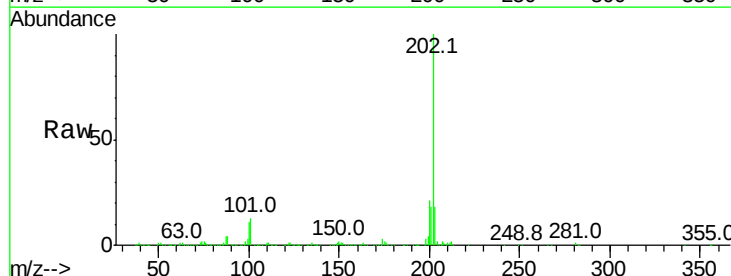
Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.8	13.2
100	8.2	6.6	9.8

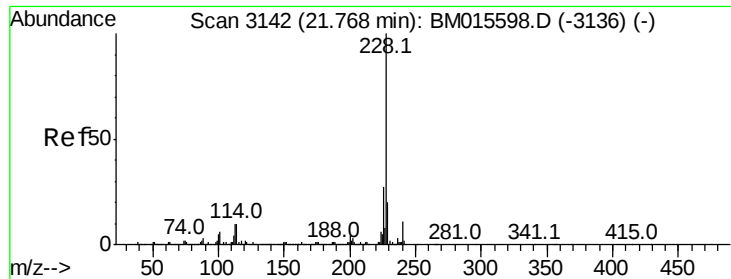


#79
 Pyrene
 Concen: 15.084 ng/ul
 RT: 20.06 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: BM015600.D
 Acq: 11 Jun 2018 11:42

Tgt Ion:202 Resp: 725793

Ion	Ratio	Lower	Upper
202	100		
101	13.1	10.2	15.2
100	11.1	8.5	12.7





#82

Benzo(a)anthracene

Concen: 14.586 ng/ul

RT: 21.77 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

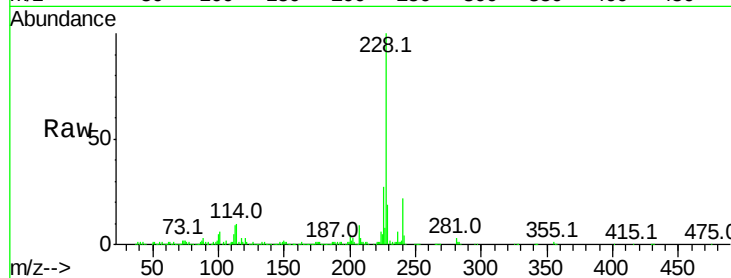
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 758555

Ion	Ratio	Lower	Upper
228	100		
229	19.1	15.7	23.5
226	27.0	21.8	32.6

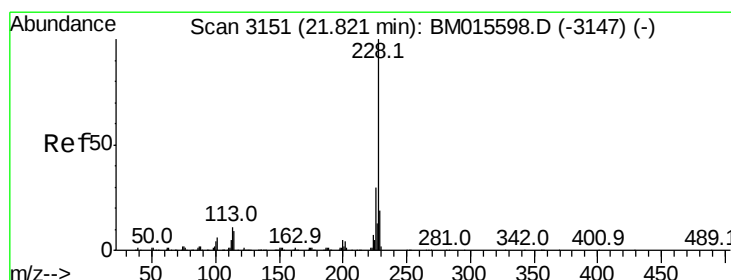
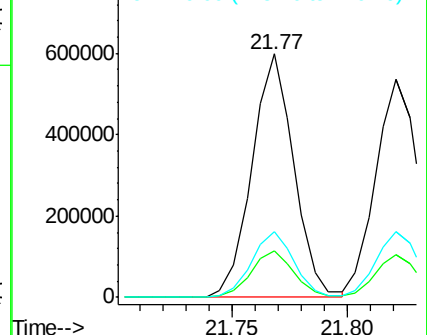
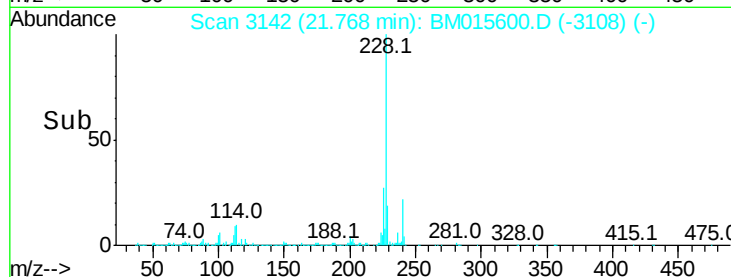


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#84

Chrysene

Concen: 14.247 ng/ul

RT: 21.82 min Scan# 3151

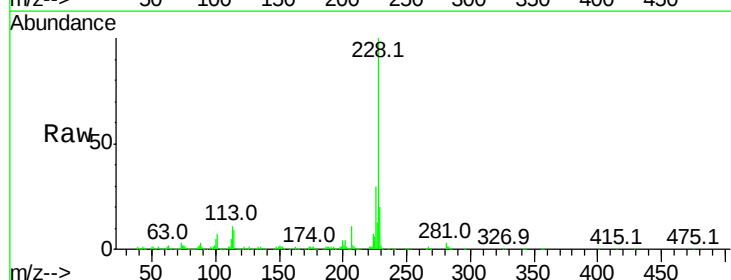
Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

Tgt Ion:228 Resp: 695196

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	19.7	15.6	23.4

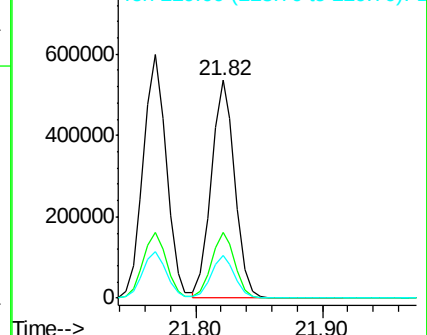
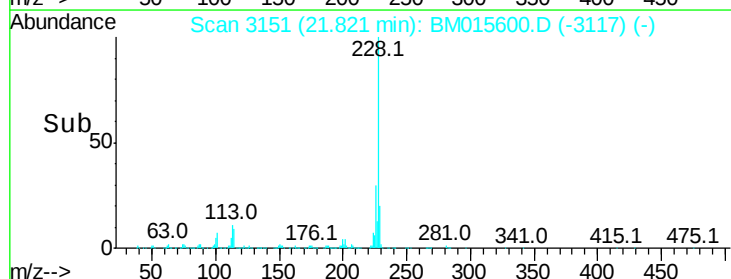


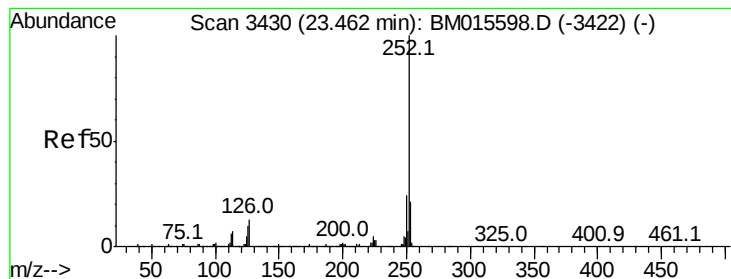
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 47.658 ng/ul

RT: 23.47 min Scan# 3431

Delta R.T. 0.01 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

Instrument :

BNA_M

ClientSampleId :

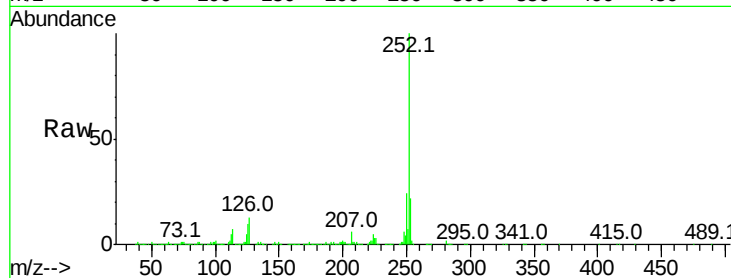
Tot Ion:252 Resp: 2614583

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

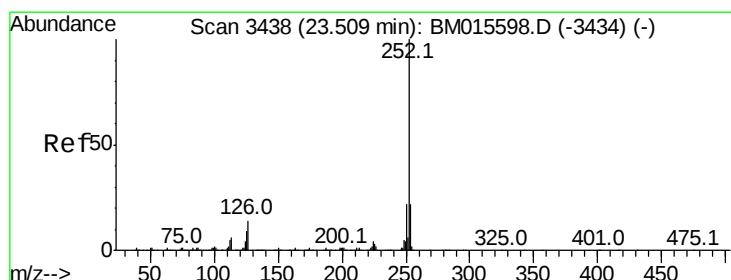
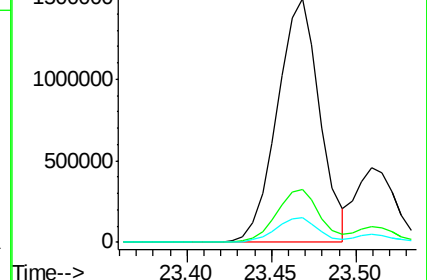
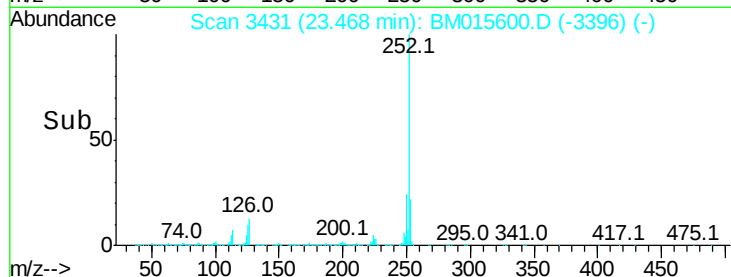
125 10.0 8.5 12.7



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



#88

Benzo(k)fluoranthene

Concen: 14.263 ng/ul

RT: 23.51 min Scan# 3438

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

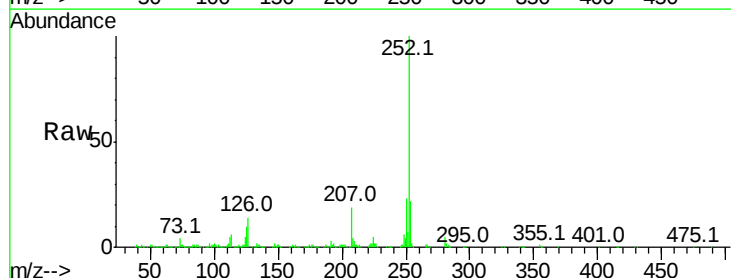
Tgt Ion:252 Resp: 738335

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

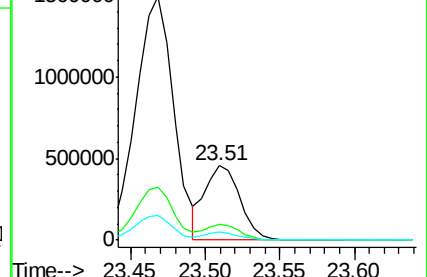
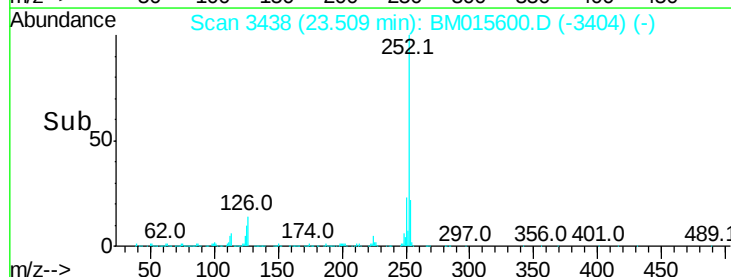
125 10.3 8.2 12.2

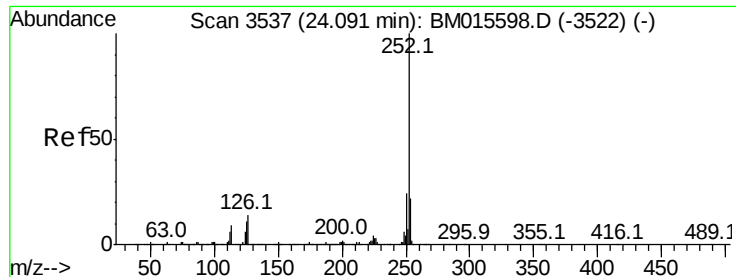


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.680 ng/ul

RT: 24.09 min Scan# 3537

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

Instrument :

BNA_M

ClientSampleId :

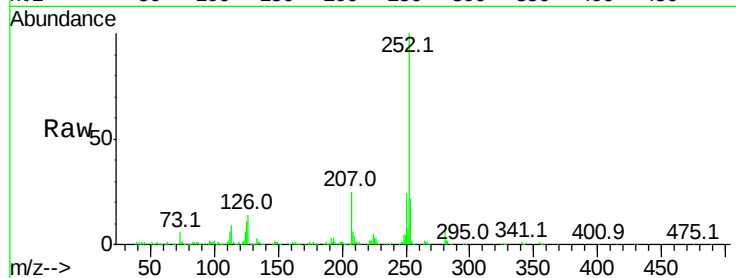
Tot Ion:252 Resp: 664666

Ion Ratio Lower Upper

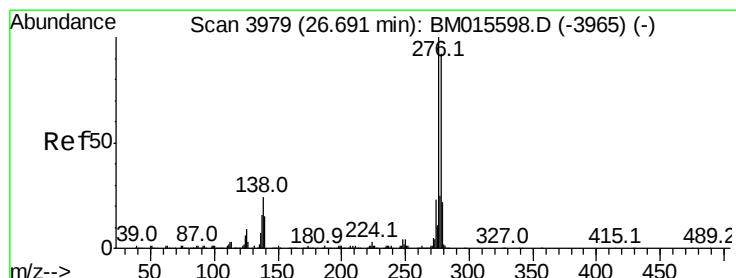
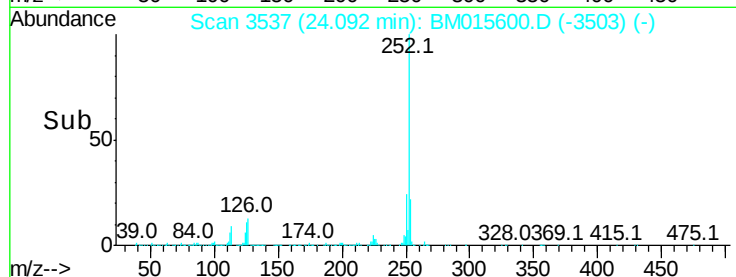
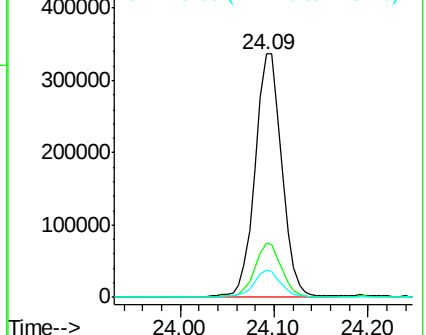
252 100

253 22.2 17.2 25.8

125 11.3 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

Indeno(1,2,3-cd)pyrene

Concen: 14.605 ng/ul

RT: 26.69 min Scan# 3979

Delta R.T. 0.00 min

Lab File: BM015600.D

Acq: 11 Jun 2018 11:42

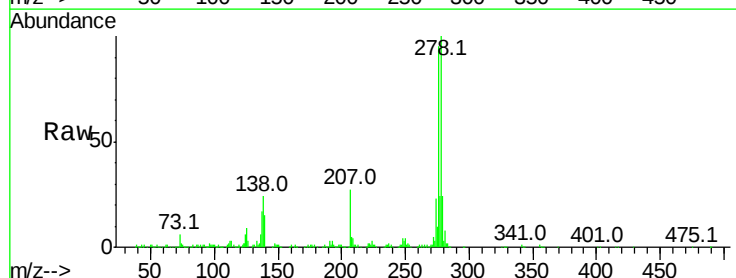
Tgt Ion:276 Resp: 958999

Ion Ratio Lower Upper

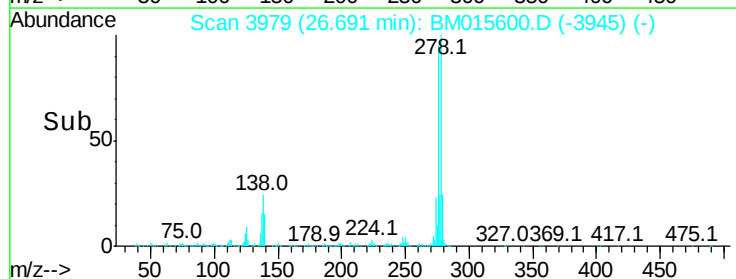
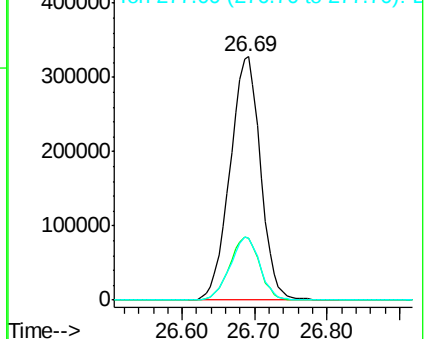
276 100

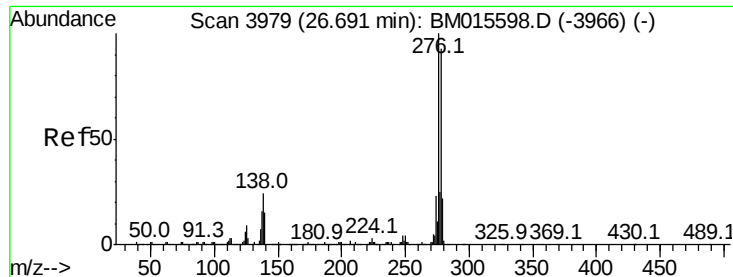
138 25.6 22.3 33.5

277 25.5 20.2 30.2



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



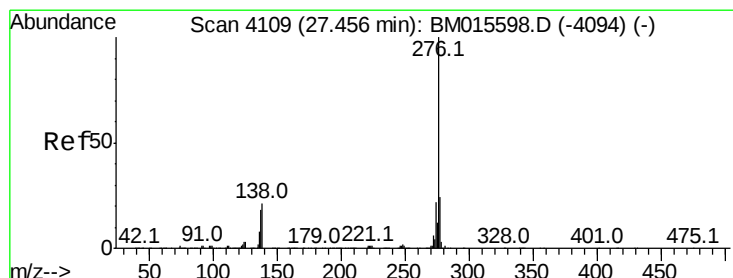
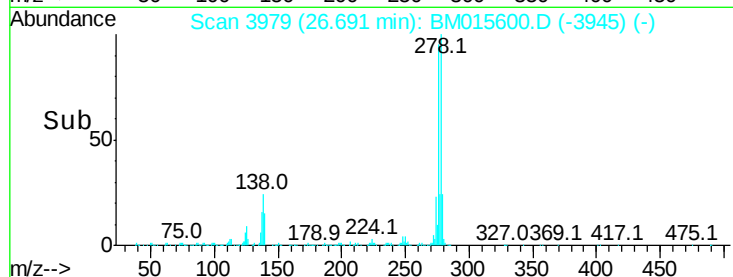
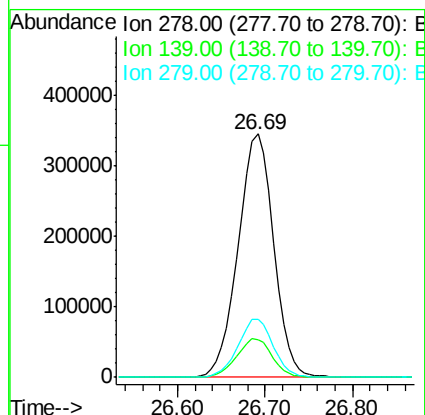
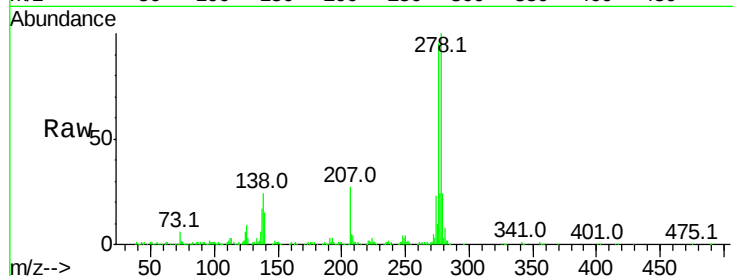


#92

Dibenzo(a,h)anthracene
Concen: 17.240 ng/ul
RT: 26.69 min Scan# 3979
Delta R.T. 0.00 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 955226
Ion Ratio Lower Upper
278 100
139 15.5 13.9 20.9
279 23.9 19.0 28.4



#93

Benzo(g,h,i)perylene
Concen: 15.272 ng/ul
RT: 27.46 min Scan# 4109
Delta R.T. 0.00 min
Lab File: BM015600.D
Acq: 11 Jun 2018 11:42

Tgt Ion:276 Resp: 826639
Ion Ratio Lower Upper
276 100
138 21.2 18.9 28.3
277 24.7 19.2 28.8

