

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111716\
 Data File : BM007940.D
 Acq On : 17 Nov 2016 15:35
 Operator : UM/SJ
 Sample : H5622-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WK2

Quant Time: Nov 18 09:59:45 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Nov 18 01:20:31 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	191151	20.00	ng/ul	0.00
18) Naphthalene-d8	10.50	136	714321	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.36	164	447501	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.11	188	874074	20.00	ng/ul	0.00
75) Chrysene-d12	21.30	240	1096218	20.00	ng/ul	0.00
83) Perylene-d12	23.54	264	1117964	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	28210	6.37	ng/uL	0.00
5) Phenol-d5	6.90	99	512561	34.34	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	309672	35.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	412880	36.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	398193	34.38	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	198276	38.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	215631	38.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	403493	37.16	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	135932	10.91	ng/ul	0.01
43) Dimethylphthalate-d6	13.77	166	1180319	38.39	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	1421822	38.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	179899	36.60	ng/ul	0.00
57) Fluorene-d10	15.36	176	1011663	37.68	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	171417	32.95	ng/ul	0.00
70) Anthracene-d10	17.21	188	1594727	40.14	ng/ul	0.00
76) Pyrene-d10	19.50	212	1779563	39.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.40	264	1973481	40.00	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	6.89	77	30100	3.20	ng/ul	98
10) 2-Chlorophenol	7.29	128	496544	42.53	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	8.25	45	808585	61.82	ng/ul	98
14) Acetophenone	8.55	105	762698	41.71	ng/ul	97
17) Hexachloroethane	8.79	117	108704	21.13	ng/ul	97
20) Nitrobenzene	8.93	77	901790	67.63	ng/ul	98
23) 2-Nitrophenol	9.63	139	324017	56.34	ng/ul	97
27) 2,4-Dichlorophenol	10.16	162	288367	27.10	ng/ul	96
28) Naphthalene	10.55	128	605562	17.29	ng/ul	99
33) 4-Chloro-3-methylphenol	11.80	107	612345	54.62	ng/ul	93
36) 1,2,4,5-Tetrachlorobenzene	12.54	216	316114	21.76	ng/ul	98
38) 2,4,6-Trichlorophenol	12.79	196	299715	36.75	ng/ul	98
40) 1,1'-Biphenyl	13.19	154	1399650	44.16	ng/ul	98
42) 2-Nitroaniline	13.45	65	443500	68.04	ng/ul	98
45) 2,6-Dinitrotoluene	13.95	165	284287	50.24	ng/ul	95
47) Acenaphthylene	14.08	152	2190521	58.40	ng/ul	99
49) Acenaphthene	14.43	153	127349	4.92	ng/ul	98
52) 4-Nitrophenol	14.60	109	323961	67.67	ng/ul	96
53) Dibenzofuran	14.76	168	836239	22.55	ng/ul	98
54) 2,4-Dinitrotoluene	14.75	165	487847	59.69	ng/ul	97
56) Diethylphthalate	15.19	149	1594270	53.81	ng/ul	100
58) Fluorene	15.42	166	276015	9.30	ng/ul	97
64) N-Nitrosodiphenylamine	15.63	169	1475949	58.76	ng/ul	99

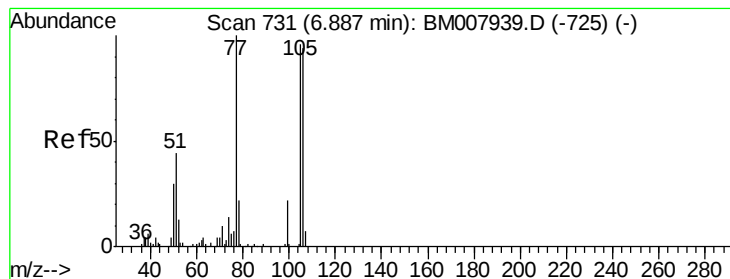
Data Path : Z:\HPCHEM1\BNA M\DATA\BM111716\
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 Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) Hexachlorobenzene	16.42	284	502187	45.34	ng/ul	97
68) Pentachlorophenol	16.77	266	310358	49.66	ng/ul	99
69) Phenanthrene	17.15	178	1711024	36.57	ng/ul	100
73) Di-n-butylphthalate	18.07	149	2267468	48.98	ng/ul	100
77) Pyrene	19.54	202	1068952	18.81	ng/ul	99
80) Benzo(a)anthracene	21.29	228	2695676	45.61	ng/ul	100
84) Di-n-octyl phthalate	22.09	149	1839015	31.92	ng/ul	99
85) Benzo(b)fluoranthene	22.87	252	2312496	36.24	ng/ul	99
88) Benzo(a)pyrene	23.45	252	1369022	22.56	ng/ul	99
90) Dibenzo(a,h)anthracene	25.81	278	3312810	54.00	ng/ul	99
91) Benzo(a,h,i)perylene	26.50	276	1742756	28.57	ng/ul	97

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



#4

Benzaldehyde

Concen: 3.20 ng/ul

RT: 6.89 min Scan# 732

Delta R.T. 0.01 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

A4WK2

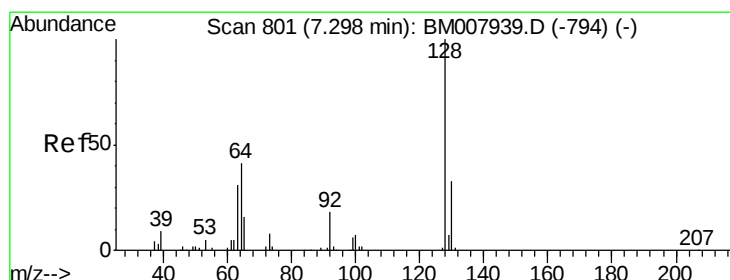
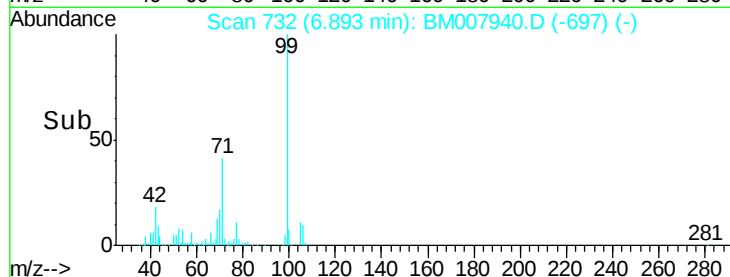
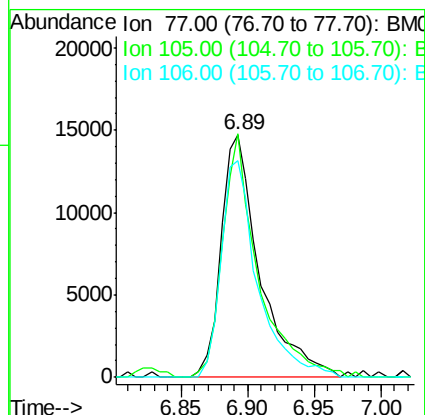
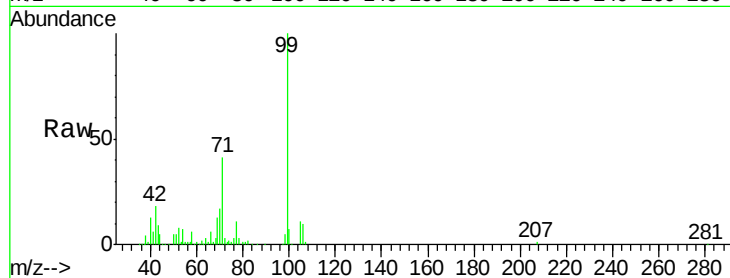
Tot Ion: 77 Resp: 30100

Ion Ratio Lower Upper

77 100

105 100.2 76.9 115.3

106 89.2 71.8 107.8



#10

2-Chlorophenol

Concen: 42.53 ng/ul

RT: 7.29 min Scan# 800

Delta R.T. -0.01 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

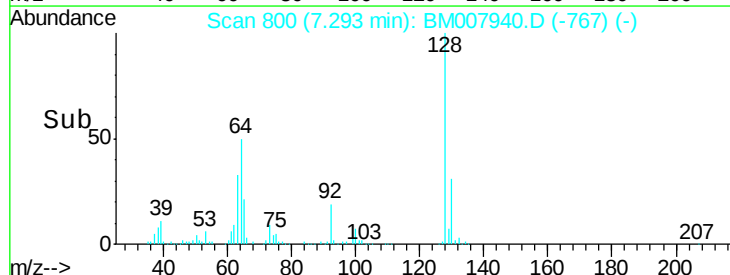
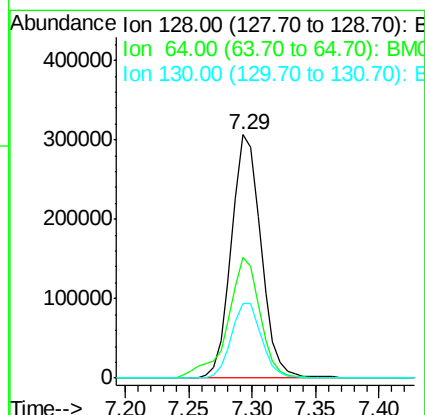
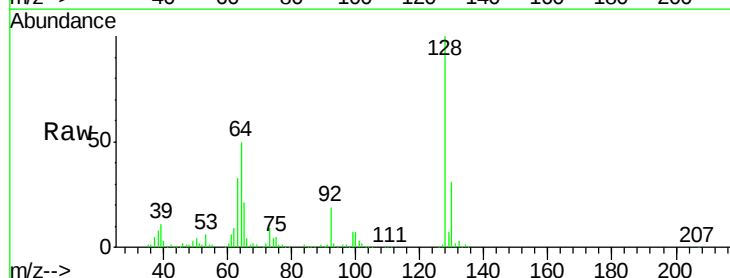
Tgt Ion: 128 Resp: 496544

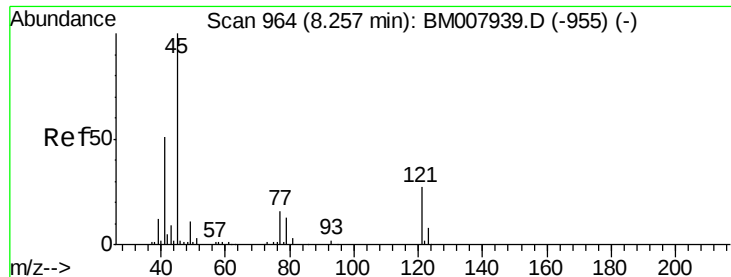
Ion Ratio Lower Upper

128 100

64 49.5 37.5 56.3

130 30.9 25.0 37.4

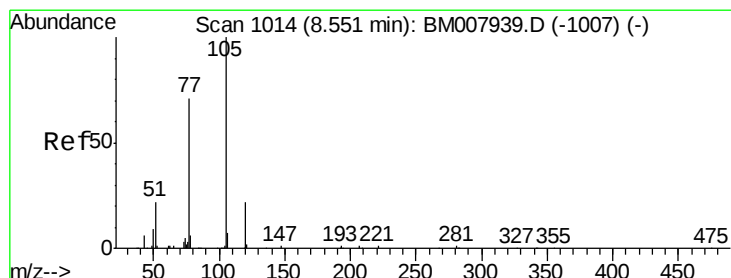
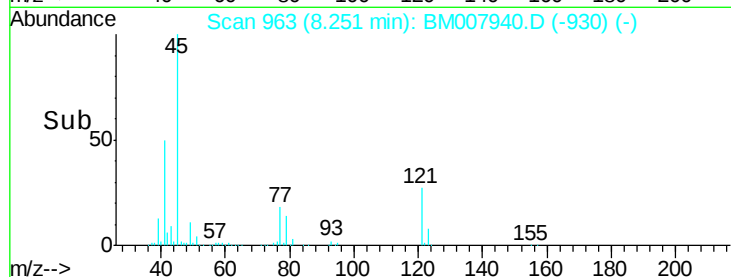
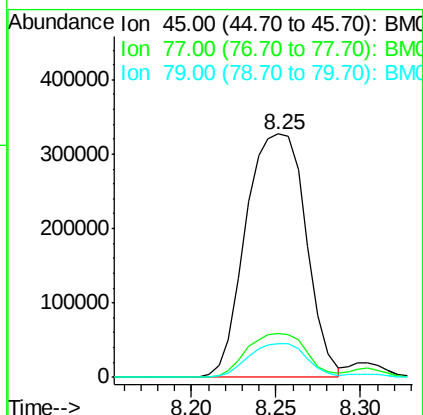
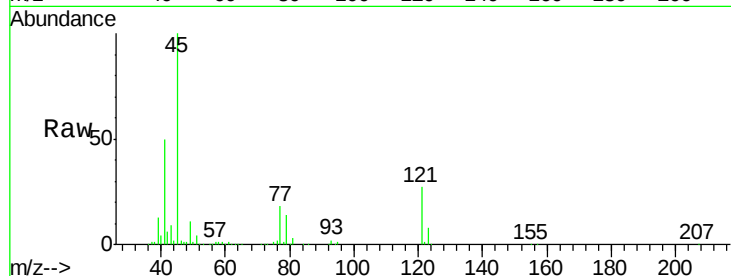




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 61.82 ng/ul
RT: 8.25 min Scan# 963
Delta R.T. -0.01 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

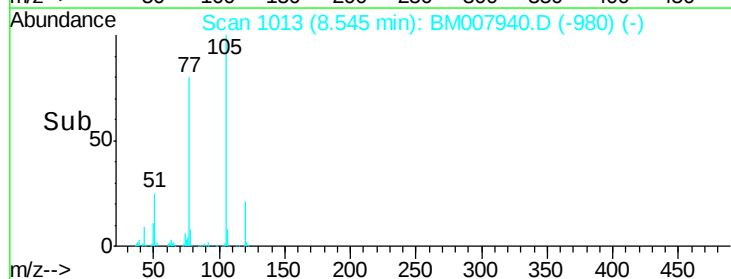
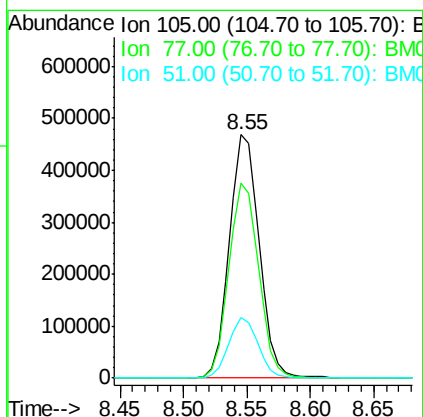
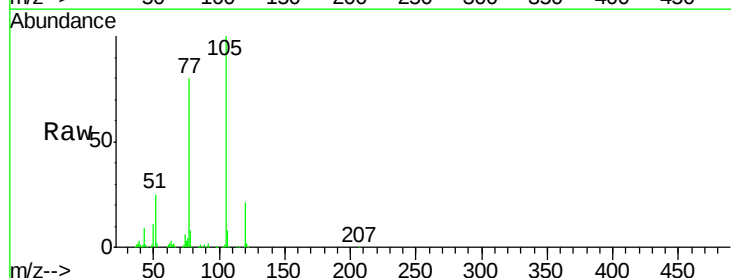
Instrument :
BNA_M
ClientSampleId :
A4WK2

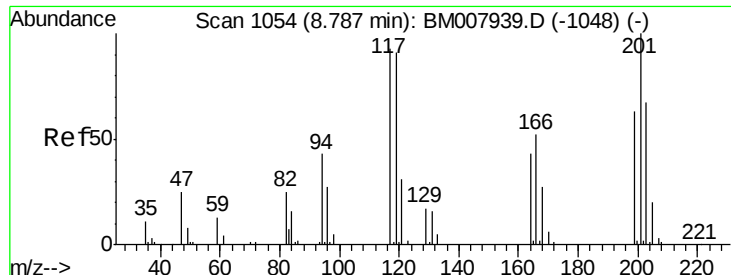
Tot Ion: 45 Resp: 808585
Ion Ratio Lower Upper
45 100
77 18.1 14.1 21.1
79 13.9 10.4 15.6



#14
Acetophenone
Concen: 41.71 ng/ul
RT: 8.55 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

Tgt Ion: 105 Resp: 762698
Ion Ratio Lower Upper
105 100
77 80.1 65.9 98.9
51 24.9 22.2 33.2





#17

Hexachloroethane

Concen: 21.13 ng/ul

RT: 8.79 min Scan# 1054

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

A4WK2

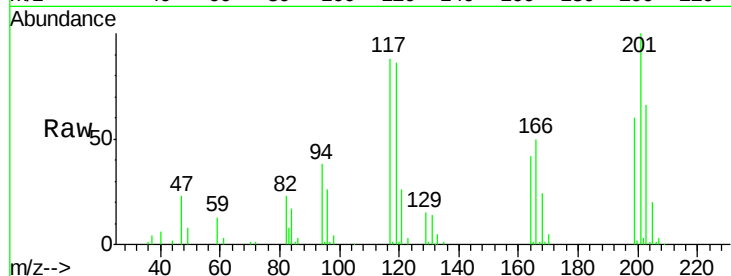
Tot Ion:117 Resp: 108704

Ion Ratio Lower Upper

117 100

201 113.8 90.3 135.5

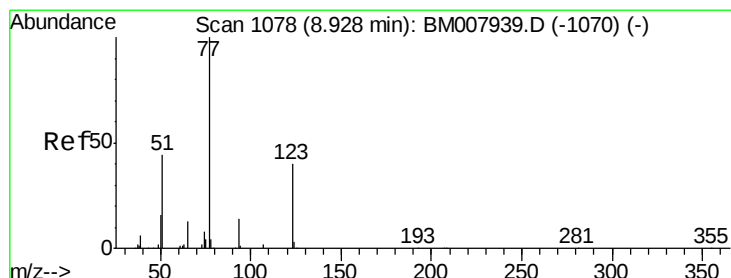
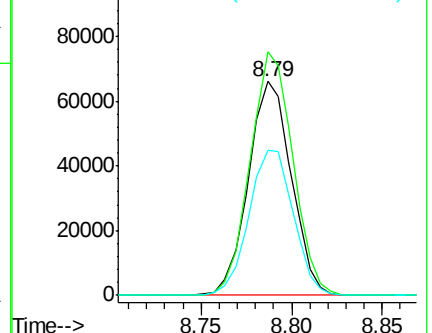
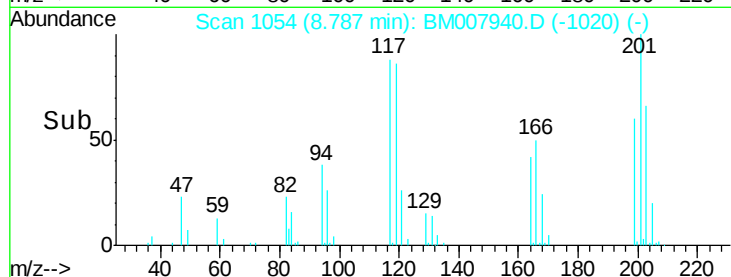
199 67.9 58.5 87.7



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#20

Nitrobenzene

Concen: 67.63 ng/ul

RT: 8.93 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

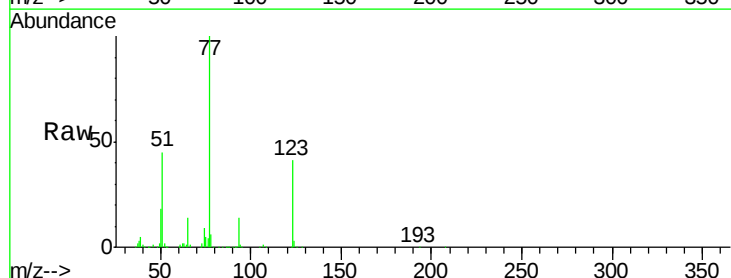
Tgt Ion: 77 Resp: 901790

Ion Ratio Lower Upper

77 100

123 41.4 34.2 51.4

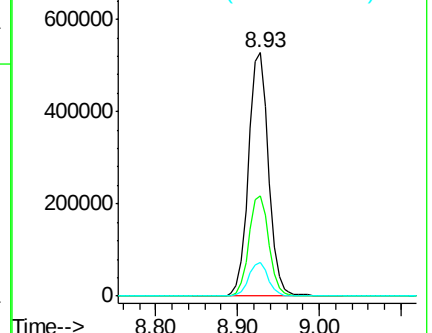
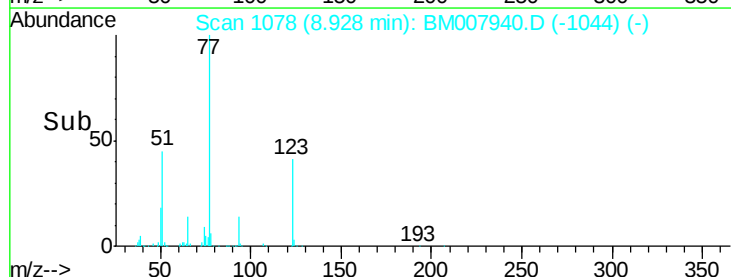
65 13.8 11.0 16.6

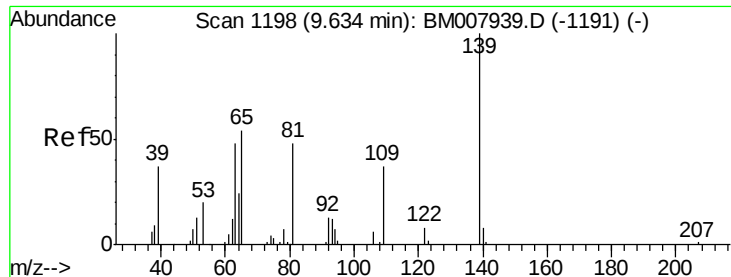


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0

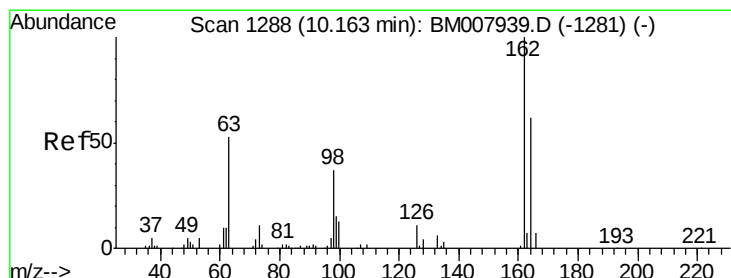
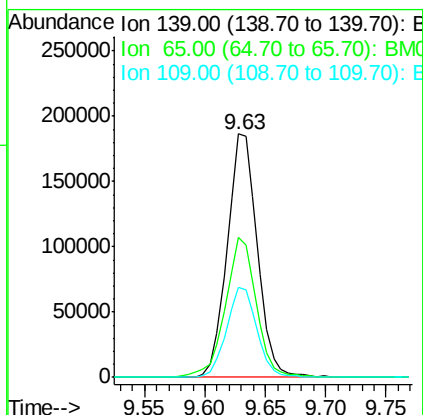
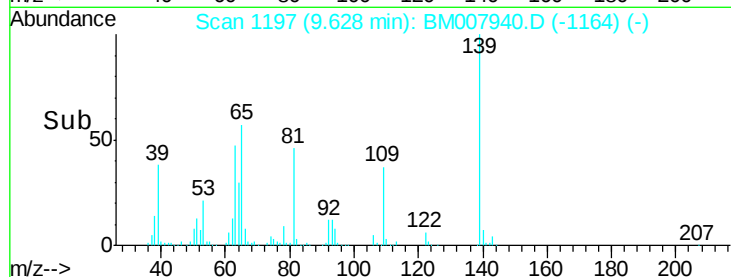
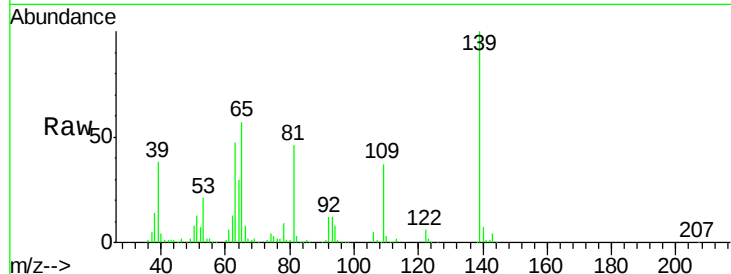




#23
2-Nitrophenol
Concen: 56.34 ng/ul
RT: 9.63 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

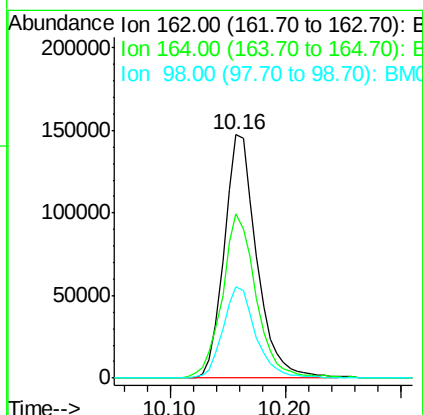
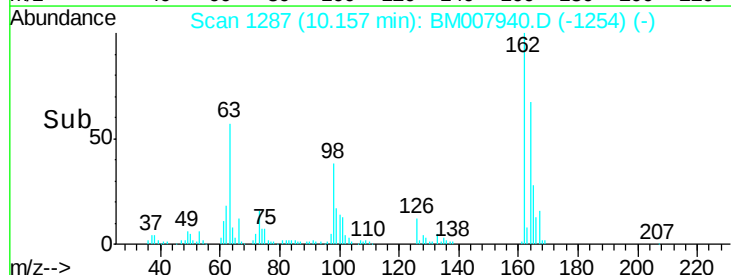
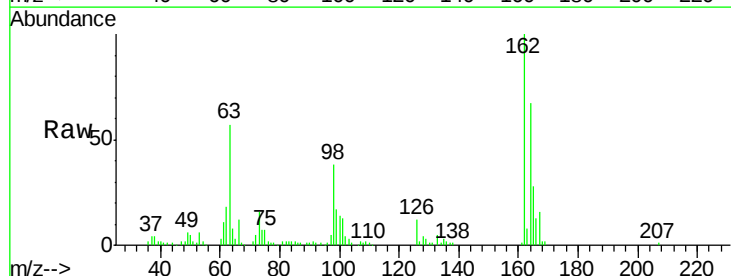
Instrument :
BNA_M
ClientSampleId :
A4WK2

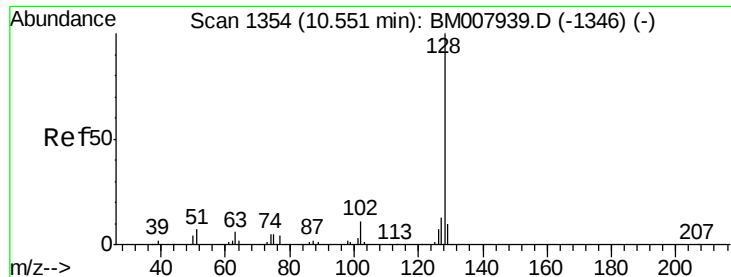
Tot Ion	Ratio	Lower	Upper
139	100		
65	57.4	44.2	66.4
109	36.8	28.2	42.4



#27
2,4-Dichlorophenol
Concen: 27.10 ng/ul
RT: 10.16 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

Tgt Ion	Ratio	Lower	Upper
162	100		
164	67.3	51.6	77.4
98	37.7	28.4	42.6





#28

Naphthalene

Concen: 17.29 ng/ul

RT: 10.55 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

A4WK2

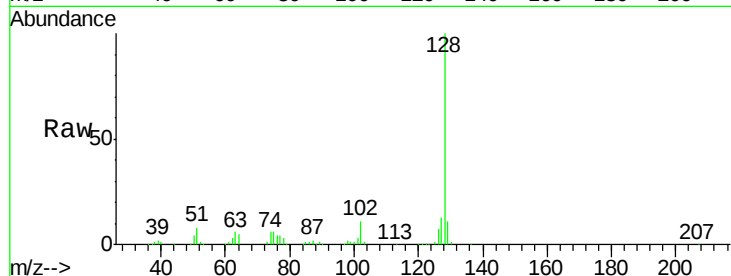
Tot Ion:128 Resp: 605562

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

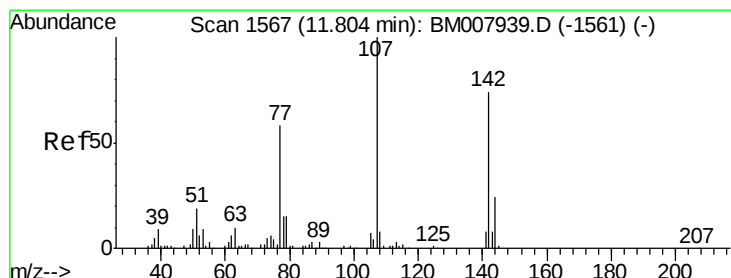
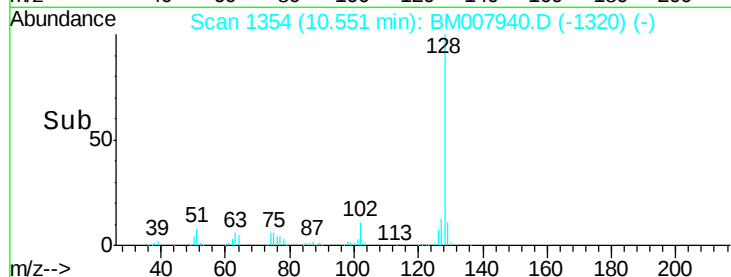
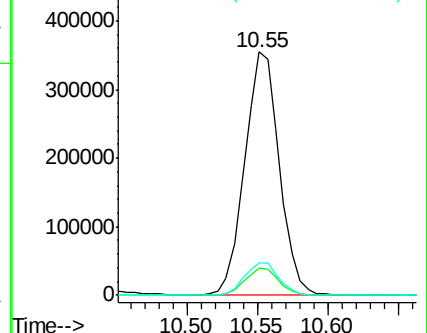
127 13.3 10.6 15.8



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



#33

4-Chloro-3-methylphenol

Concen: 54.62 ng/ul

RT: 11.80 min Scan# 1567

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

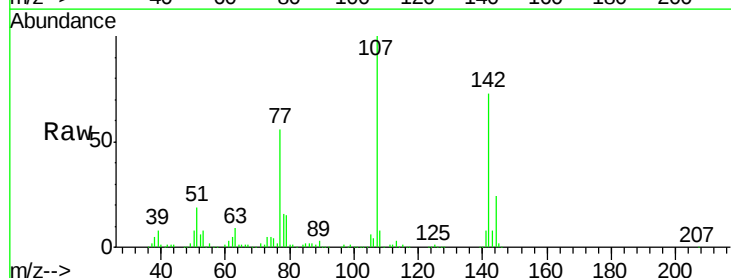
Tgt Ion:107 Resp: 612345

Ion Ratio Lower Upper

107 100

144 24.4 21.1 31.7

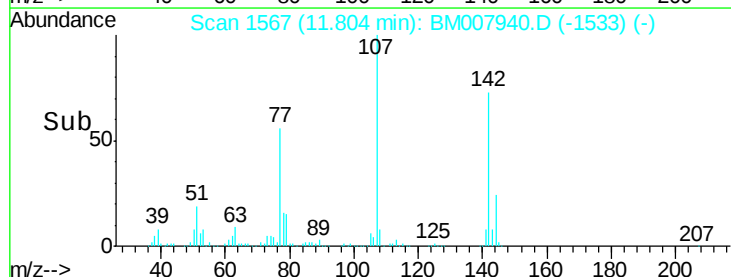
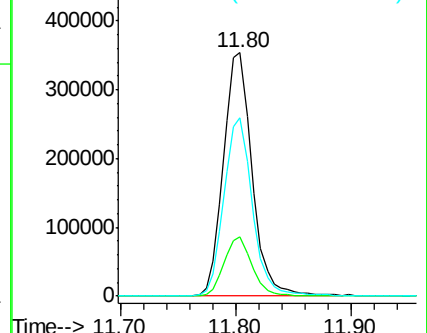
142 73.3 64.1 96.1

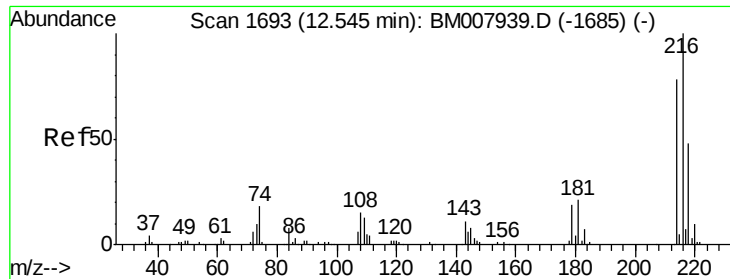


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

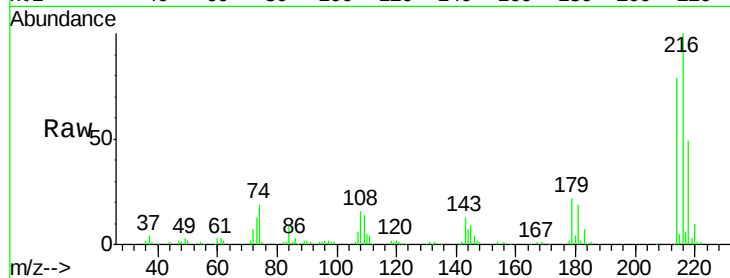




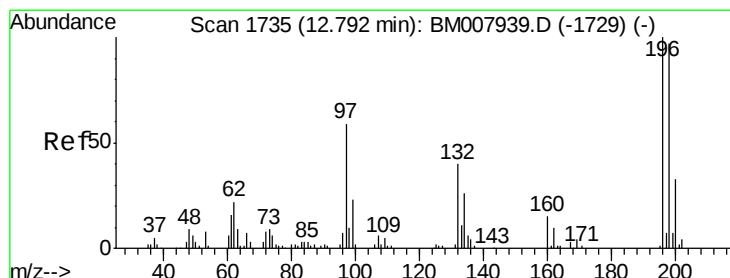
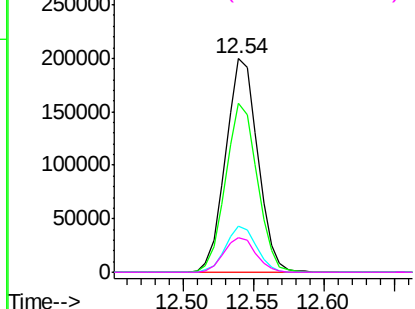
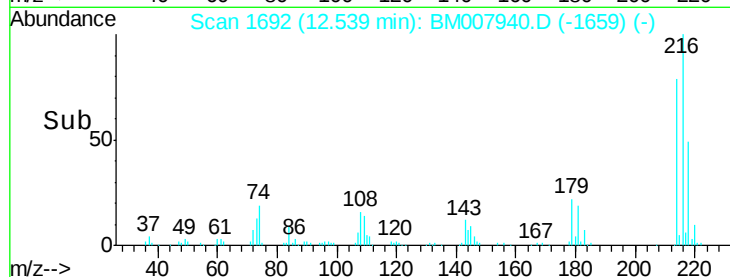
#36
 1,2,4,5-Tetrachlorobenzene
 Concen: 21.76 ng/ul
 RT: 12.54 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

Instrument :
 BNA_M
 ClientSampleId :
 A4WK2

Tot Ion:	216	Resp:	316114
Ion	Ratio	Lower	Upper
216	100		
214	78.9	64.8	97.2
179	21.7	16.7	25.1
108	16.2	13.2	19.8

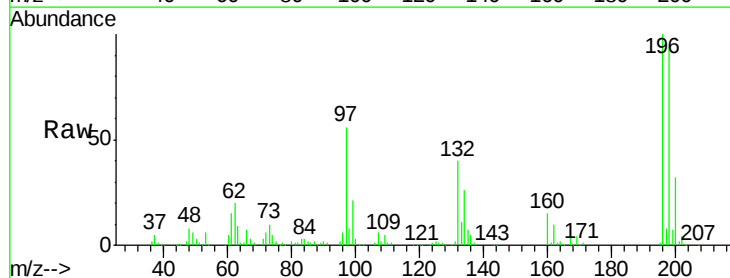


Abundance Ion 216.00 (215.70 to 216.70): E
 Ion 214.00 (213.70 to 214.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 108.00 (107.70 to 108.70): E

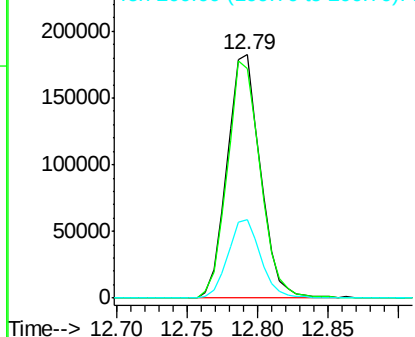
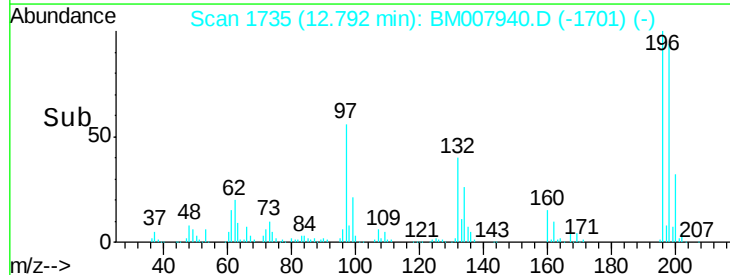


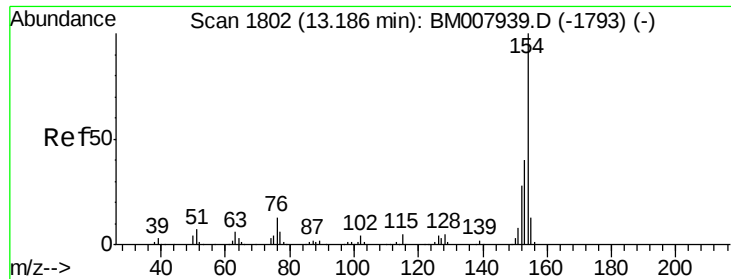
#38
 2,4,6-Trichlorophenol
 Concen: 36.75 ng/ul
 RT: 12.79 min Scan# 1735
 Delta R.T. 0.00 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

Tgt Ion:	196	Resp:	299715
Ion	Ratio	Lower	Upper
196	100		
198	94.3	76.9	115.3
200	32.4	25.1	37.7



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

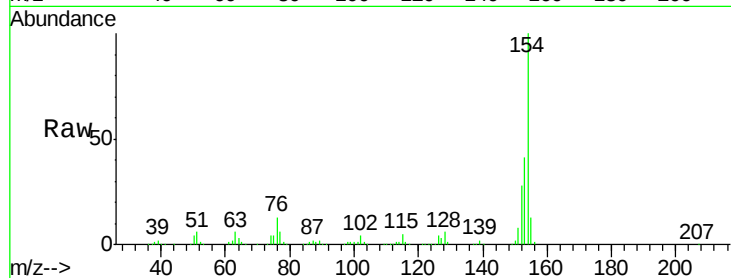




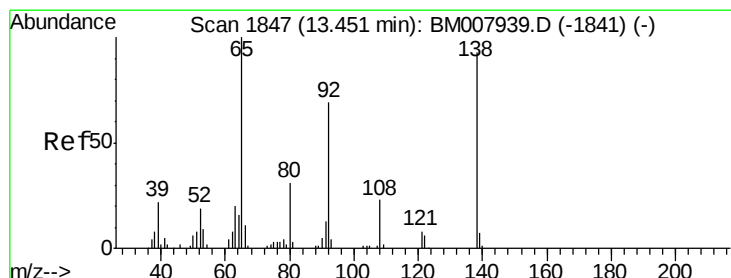
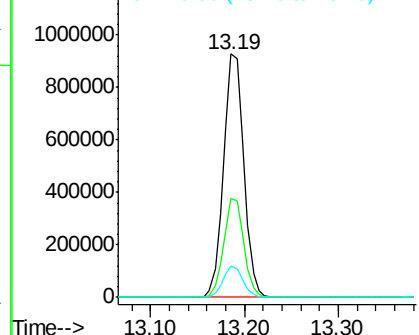
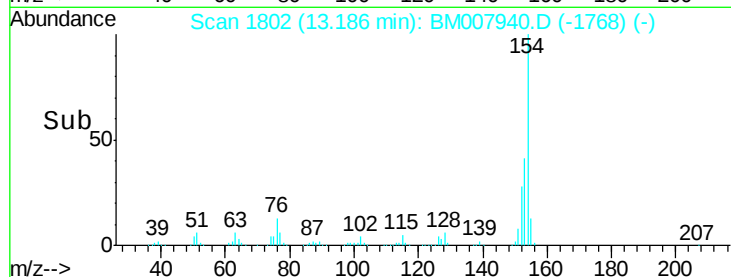
#40
 1,1'-Biphenyl
 Concen: 44.16 ng/ul
 RT: 13.19 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

Instrument :
 BNA_M
 ClientSampleId :
 A4WK2

Tot Ion:154 Resp: 1399650
 Ion Ratio Lower Upper
 154 100
 153 40.7 31.3 46.9
 76 12.9 10.0 15.0

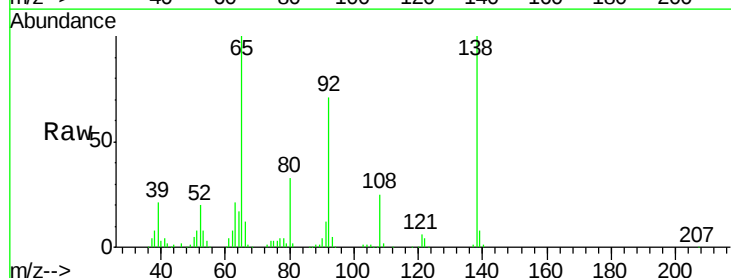


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

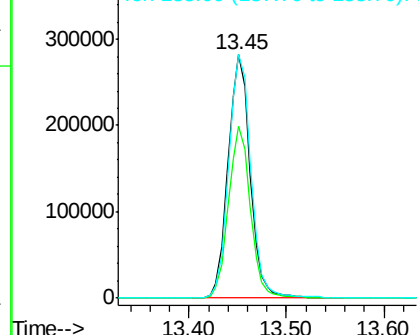
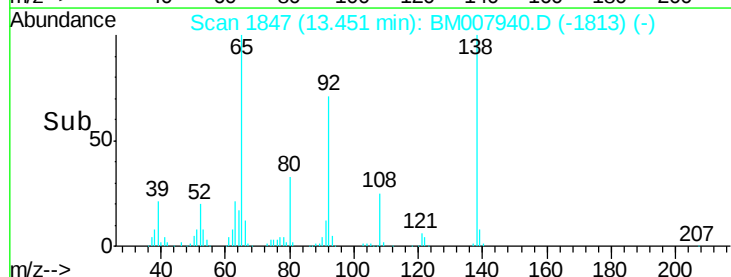


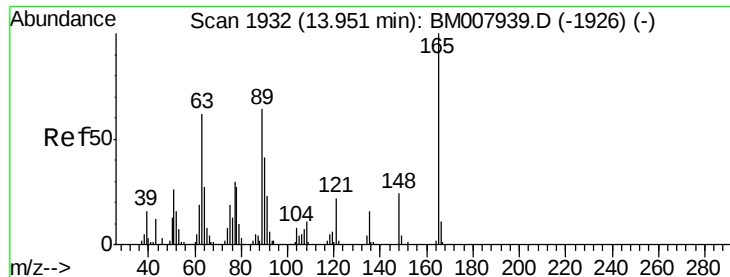
#42
 2-Nitroaniline
 Concen: 68.04 ng/ul
 RT: 13.45 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

Tgt Ion: 65 Resp: 443500
 Ion Ratio Lower Upper
 65 100
 92 70.7 55.6 83.4
 138 99.9 81.3 121.9



Abundance Ion 65.00 (64.70 to 65.70): B
 Ion 92.00 (91.70 to 92.70): B
 Ion 138.00 (137.70 to 138.70): E

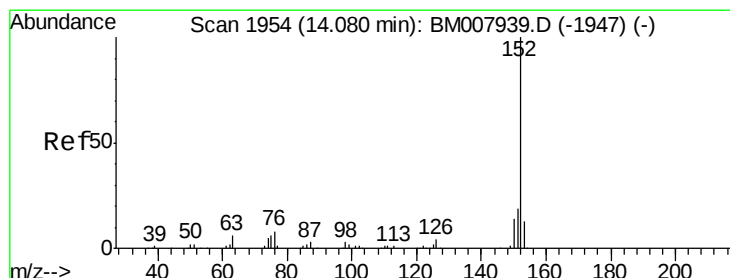
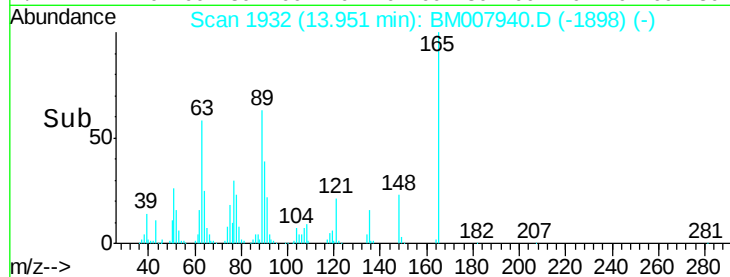
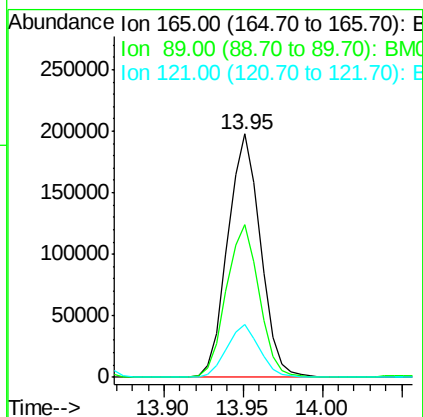
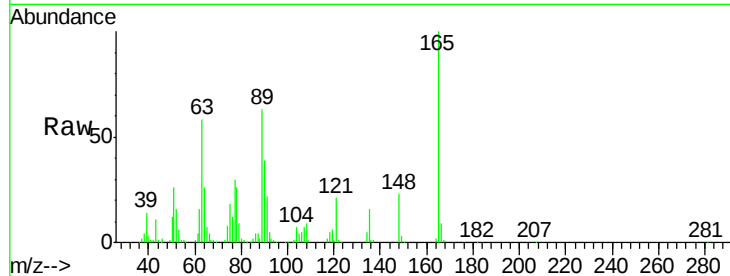




#45
2,6-Dinitrotoluene
Concen: 50.24 ng/ul
RT: 13.95 min Scan# 1932
Delta R.T. 0.00 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

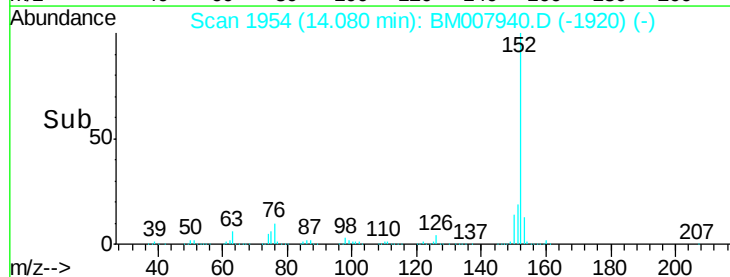
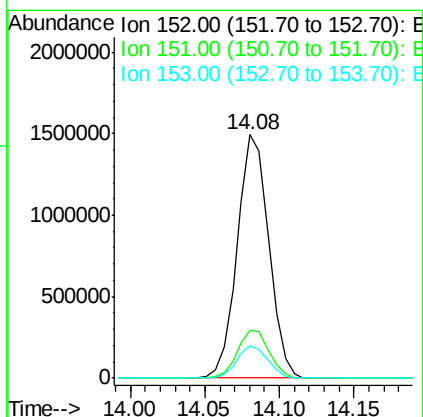
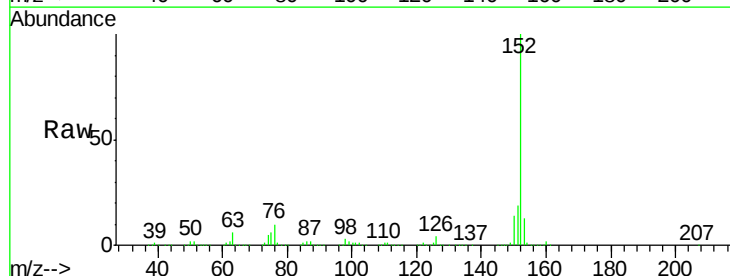
Instrument :
BNA_M
ClientSampleId :
A4WK2

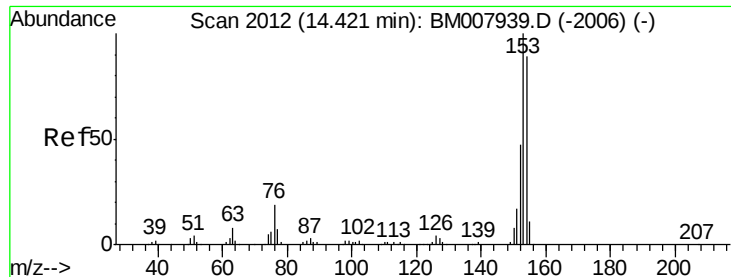
Tot Ion	Ratio	Lower	Upper
165	100		
89	62.8	46.6	69.8
121	21.5	16.0	24.0



#47
Acenaphthylene
Concen: 58.40 ng/ul
RT: 14.08 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	13.1	11.0	16.6





#49

Acenaphthene

Concen: 4.92 ng/ul

RT: 14.43 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

A4WK2

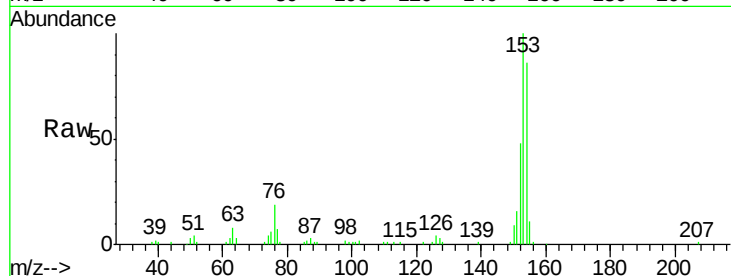
Tot Ion:153 Resp: 127349

Ion Ratio Lower Upper

153 100

152 47.7 37.8 56.6

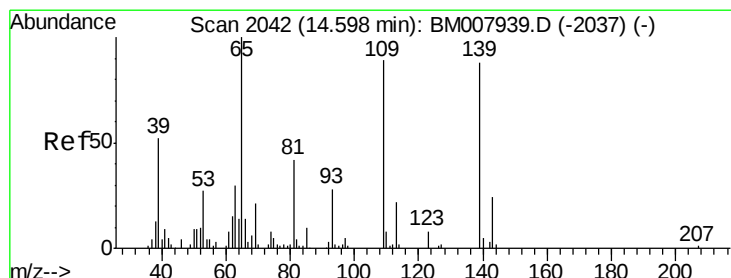
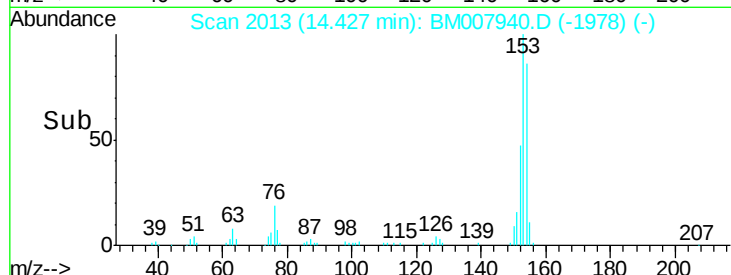
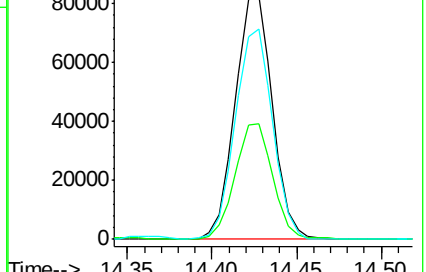
154 86.4 71.4 107.0



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



#52

4-Nitrophenol

Concen: 67.67 ng/ul

RT: 14.60 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

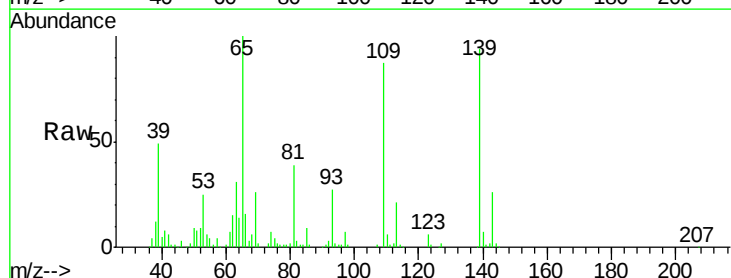
Tgt Ion:109 Resp: 323961

Ion Ratio Lower Upper

109 100

139 108.3 88.7 133.1

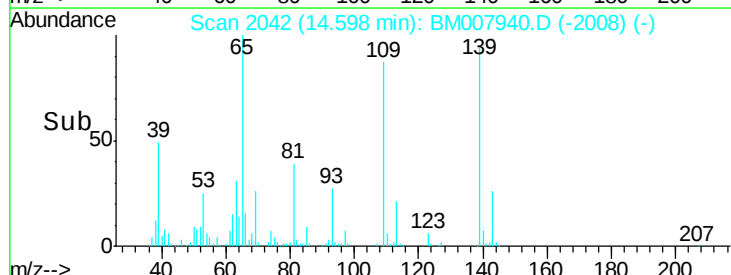
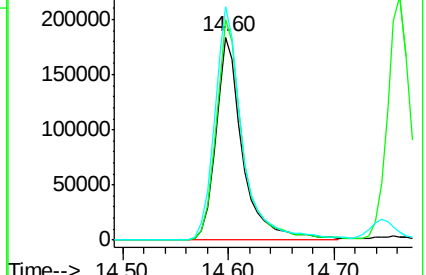
65 114.9 96.4 144.6

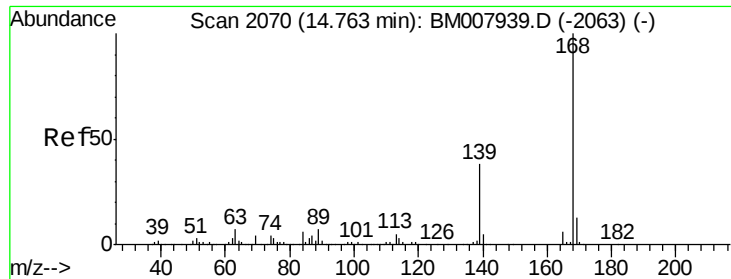


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM





#53

Dibenzofuran

Concen: 22.55 ng/ul

RT: 14.76 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

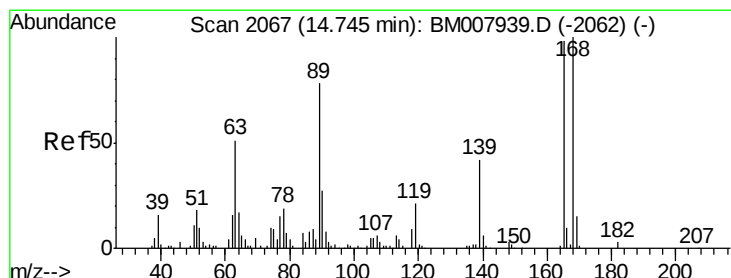
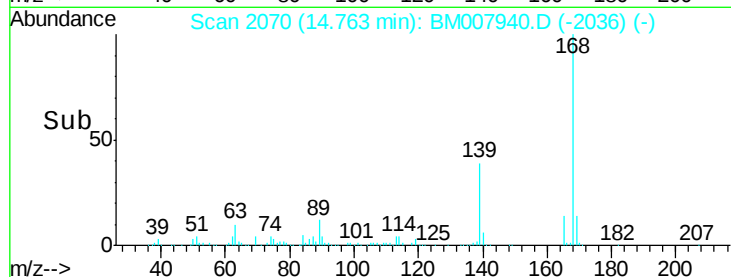
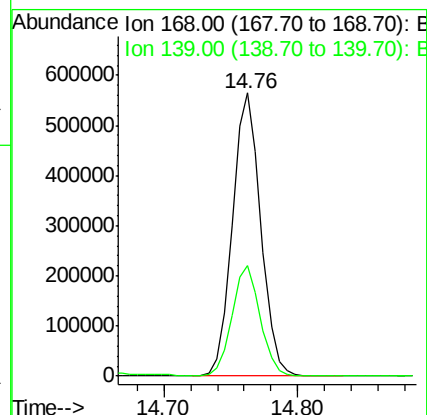
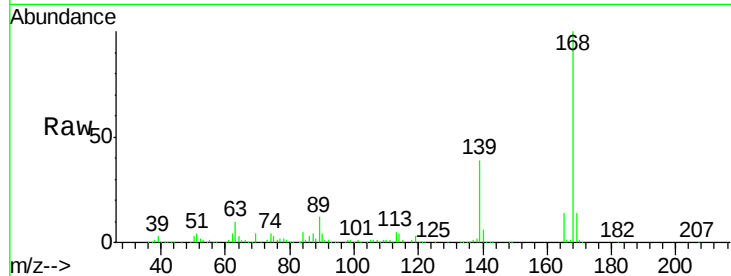
A4WK2

Tot Ion:168 Resp: 836239

Ion Ratio Lower Upper

168 100

139 39.1 30.1 45.1



#54

2,4-Dinitrotoluene

Concen: 59.69 ng/ul

RT: 14.75 min Scan# 2067

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

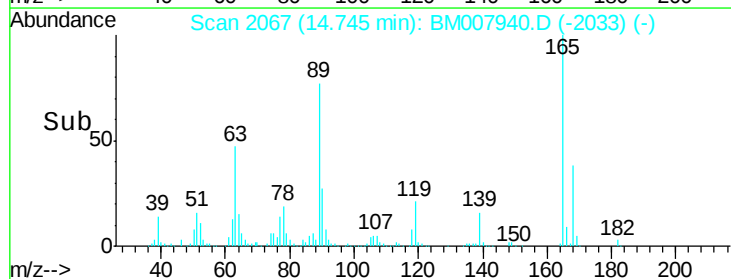
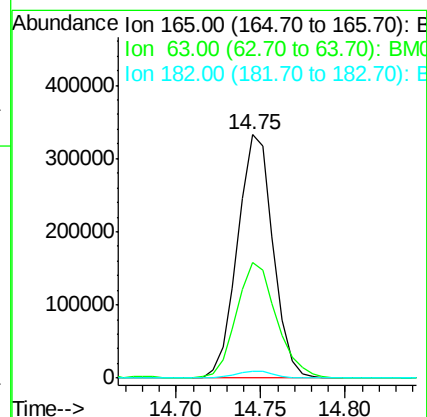
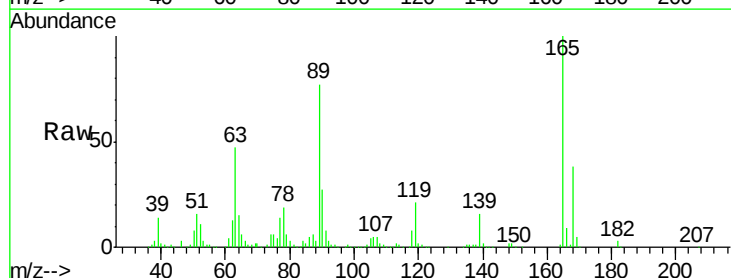
Tgt Ion:165 Resp: 487847

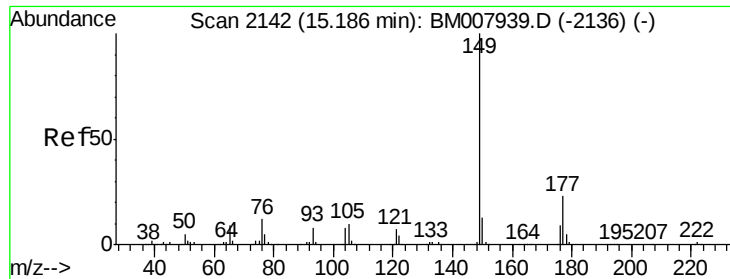
Ion Ratio Lower Upper

165 100

63 47.3 36.2 54.2

182 3.0 2.2 3.4

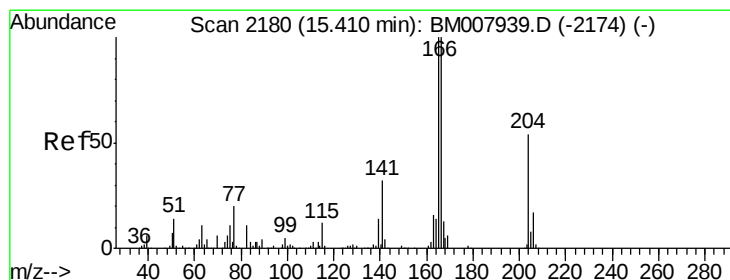
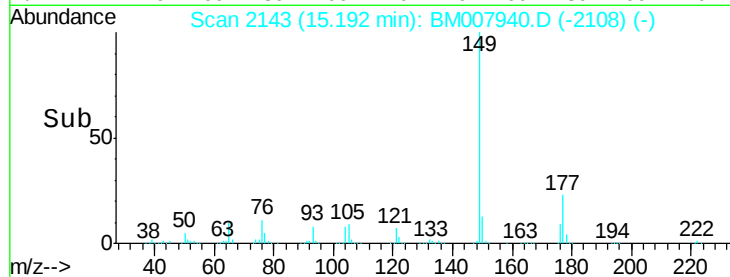
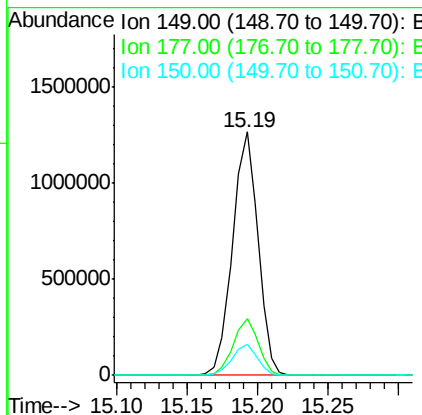
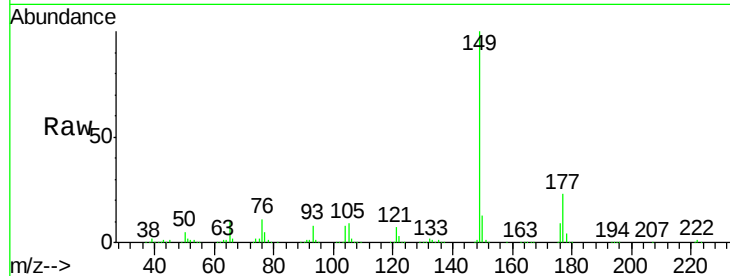




#56
Diethylphthalate
Concen: 53.81 ng/ul
RT: 15.19 min Scan# 2143
Delta R.T. 0.01 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

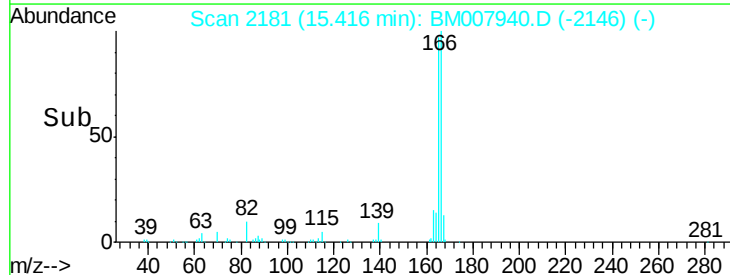
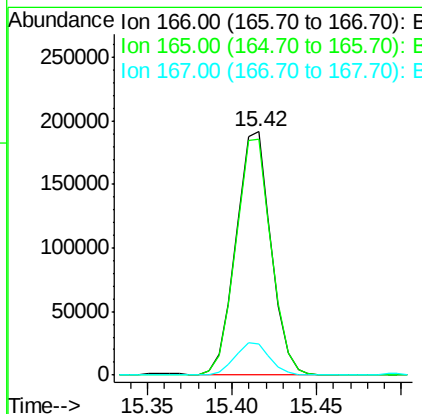
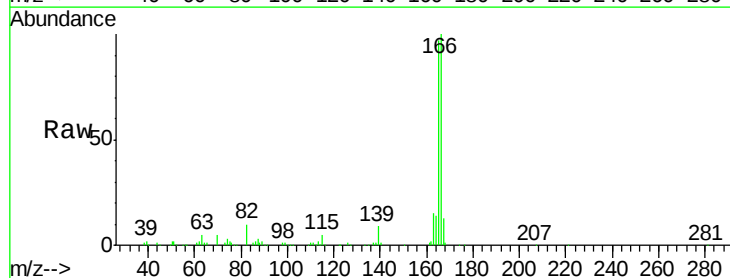
Instrument :
BNA_M
ClientSampleId :
A4WK2

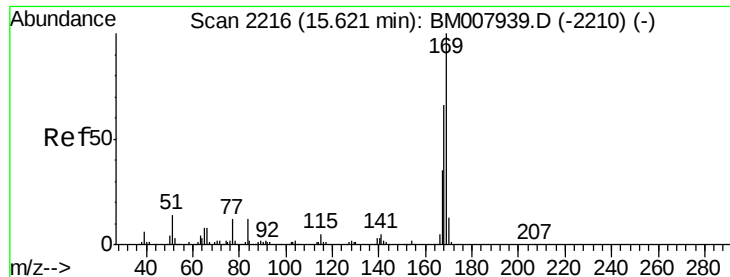
Tot Ion:149 Resp: 1594270
Ion Ratio Lower Upper
149 100
177 23.4 18.6 28.0
150 12.7 10.0 15.0



#58
Fluorene
Concen: 9.30 ng/ul
RT: 15.42 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BM007940.D
Acq: 17 Nov 2016 15:35

Tgt Ion:166 Resp: 276015
Ion Ratio Lower Upper
166 100
165 96.9 79.9 119.9
167 12.7 10.5 15.7



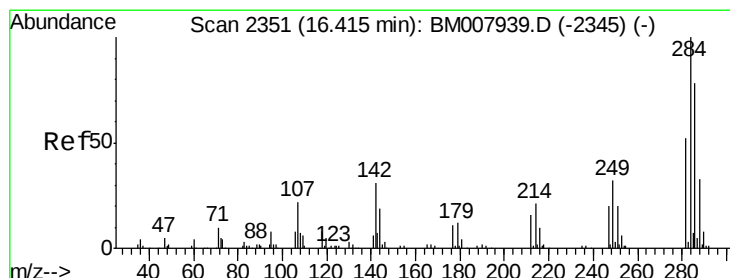
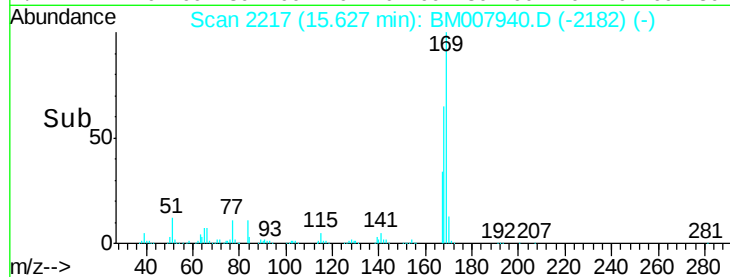
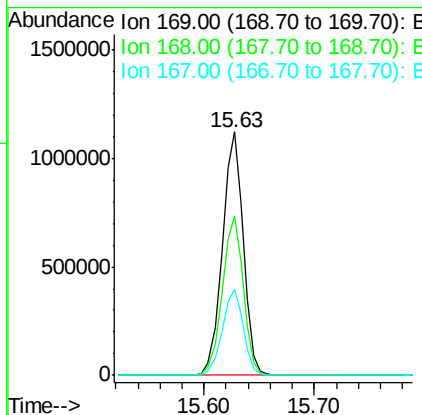
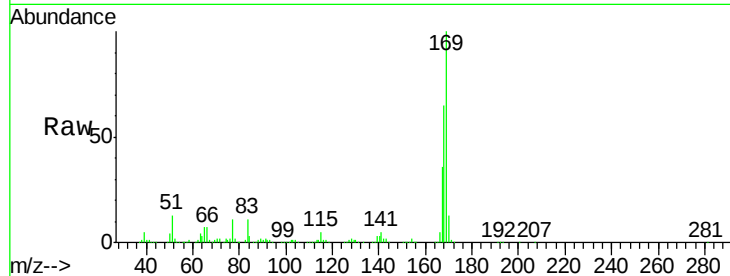


#64

N-Nitrosodiphenylamine
 Concen: 58.76 ng/ul
 RT: 15.63 min Scan# 2217
 Delta R.T. 0.01 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

Instrument :
 BNA_M
 ClientSampleId :
 A4WK2

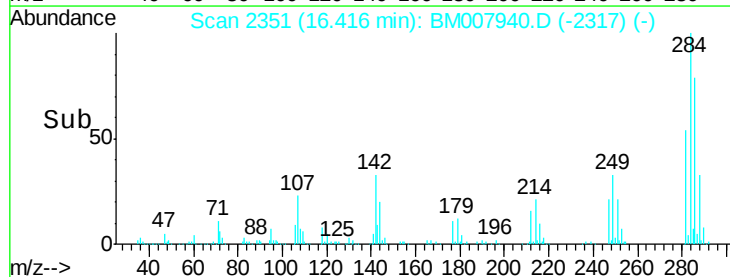
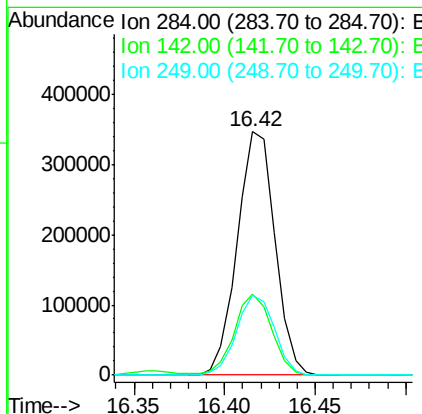
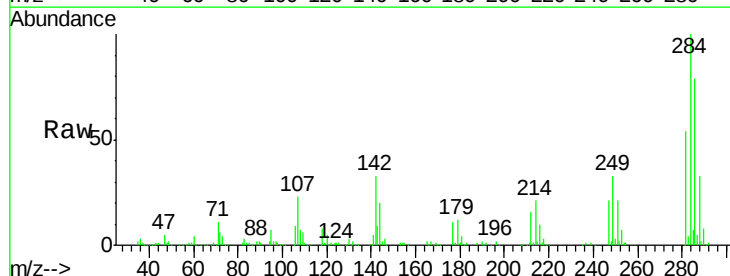
Tot Ion:169 Resp: 1475949
 Ion Ratio Lower Upper
 169 100
 168 65.2 52.6 79.0
 167 35.6 28.6 43.0

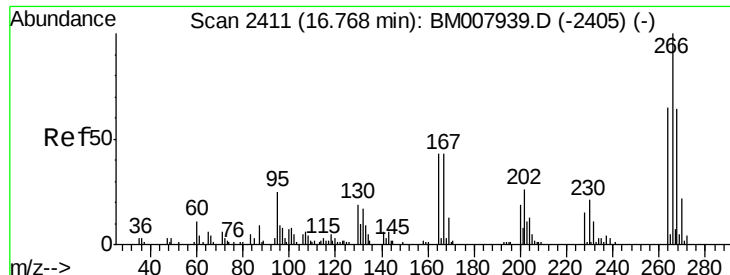


#66

Hexachlorobenzene
 Concen: 45.34 ng/ul
 RT: 16.42 min Scan# 2351
 Delta R.T. 0.00 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

Tgt Ion:284 Resp: 502187
 Ion Ratio Lower Upper
 284 100
 142 33.1 24.9 37.3
 249 32.9 25.5 38.3

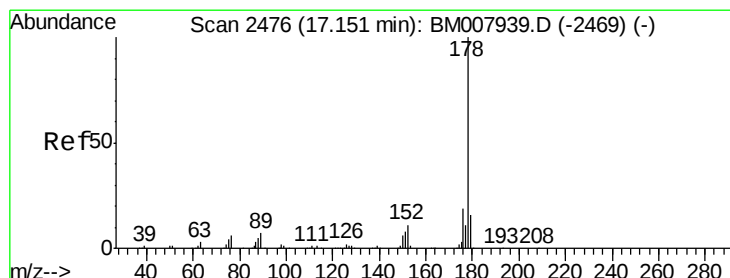
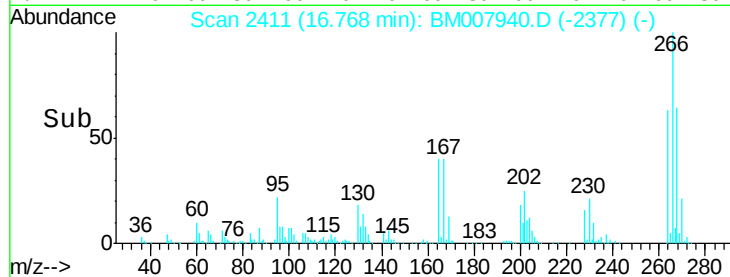
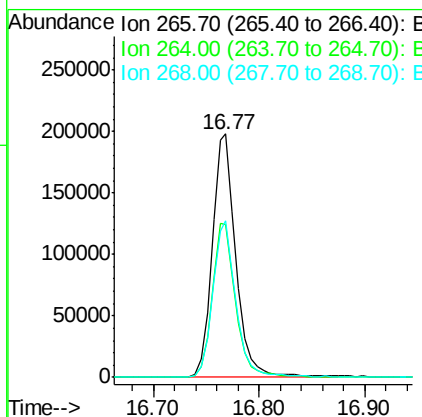
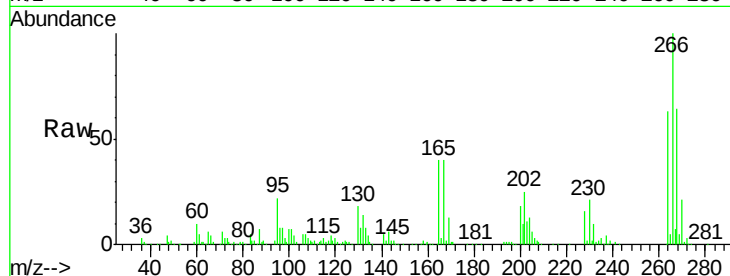




#68
 Pentachlorophenol
 Concen: 49.66 ng/ul
 RT: 16.77 min Scan# 2411
 Delta R.T. 0.00 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

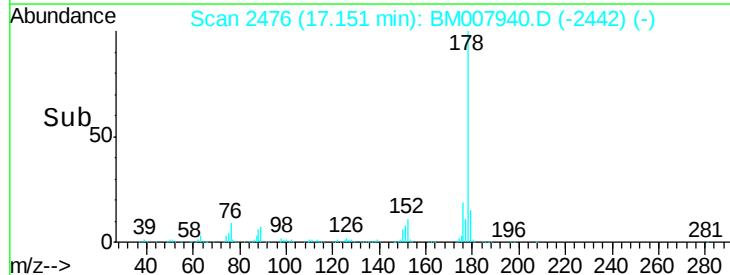
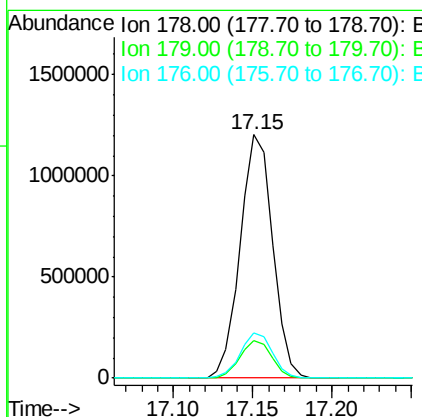
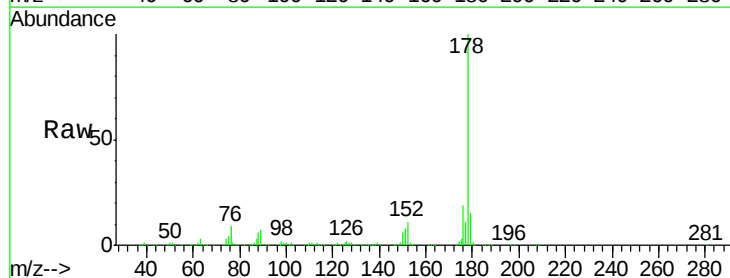
Instrument :
 BNA_M
 ClientSampled :
 A4WK2

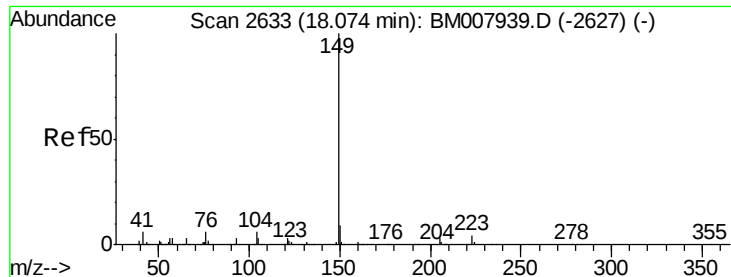
Tot Ion:266 Resp: 310358
 Ion Ratio Lower Upper
 266 100
 264 62.7 50.6 75.8
 268 64.5 51.0 76.6



#69
 Phenanthrene
 Concen: 36.57 ng/ul
 RT: 17.15 min Scan# 2476
 Delta R.T. 0.00 min
 Lab File: BM007940.D
 Acq: 17 Nov 2016 15:35

Tgt Ion:178 Resp: 1711024
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.2
 176 18.8 15.1 22.7





#73

Di-n-butylphthalate

Concen: 48.98 ng/ul

RT: 18.07 min Scan# 2633

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

A4WK2

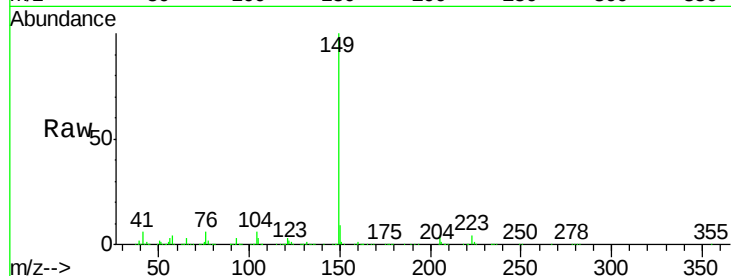
Tot Ion:149 Resp: 2267468

Ion Ratio Lower Upper

149 100

150 9.3 7.6 11.4

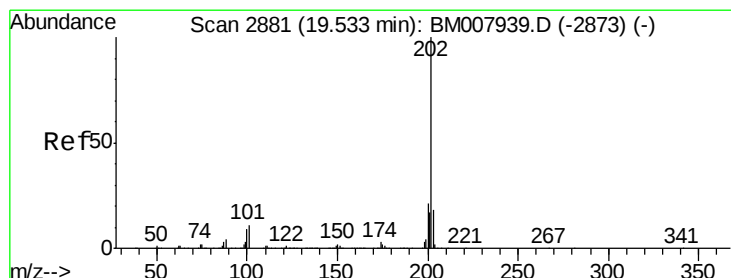
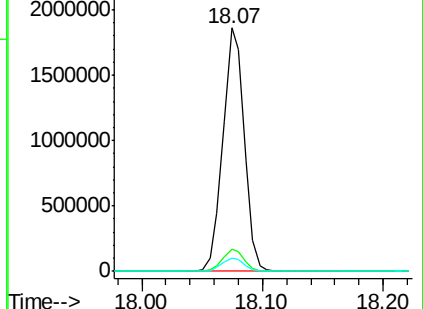
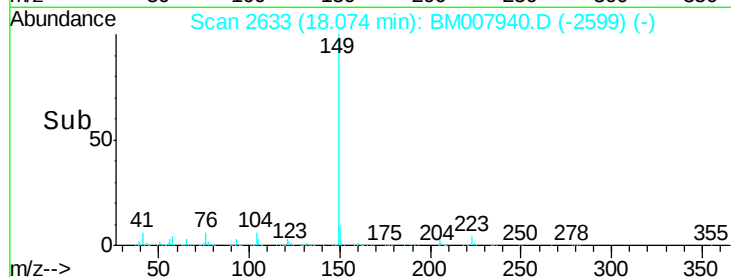
104 5.7 4.6 7.0



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



#77

Pyrene

Concen: 18.81 ng/ul

RT: 19.54 min Scan# 2882

Delta R.T. 0.01 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

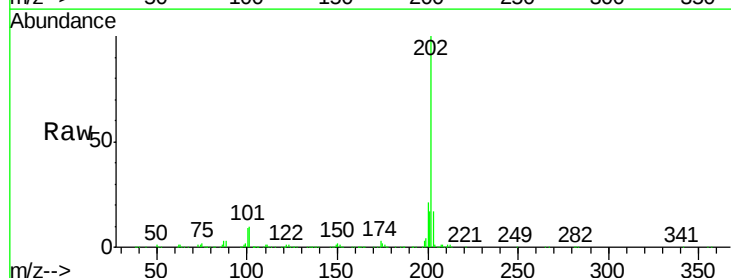
Tgt Ion:202 Resp: 1068952

Ion Ratio Lower Upper

202 100

101 10.3 8.4 12.6

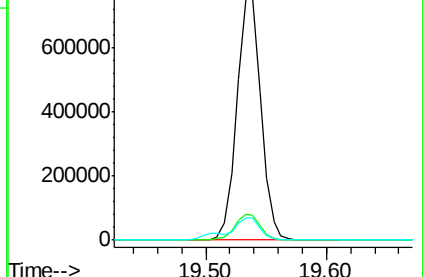
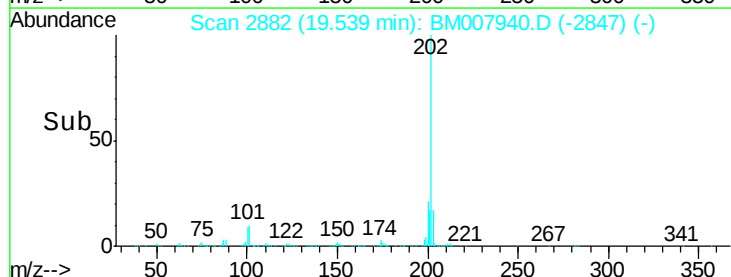
100 8.9 6.9 10.3

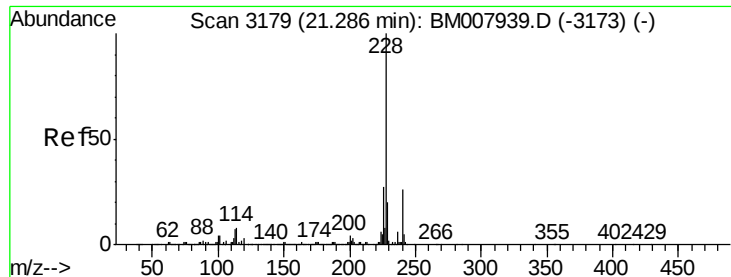


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 45.61 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

A4WK2

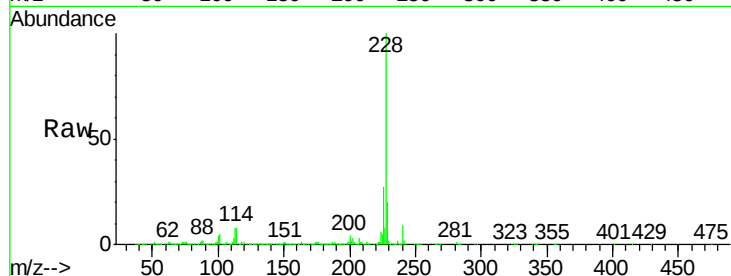
Tot Ion:228 Resp: 2695676

Ion Ratio Lower Upper

228 100

229 19.6 15.6 23.4

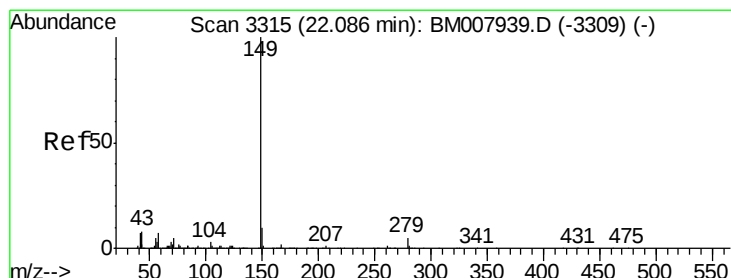
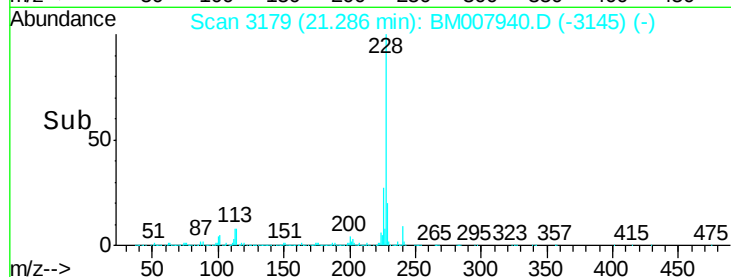
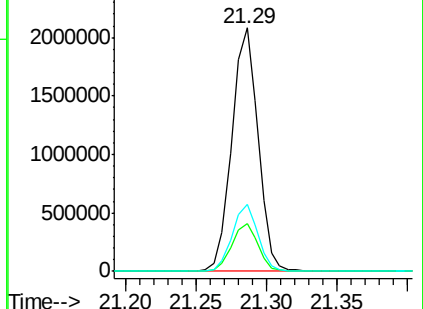
226 27.3 21.8 32.8



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

Di-n-octyl phthalate

Concen: 31.92 ng/ul

RT: 22.09 min Scan# 3315

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

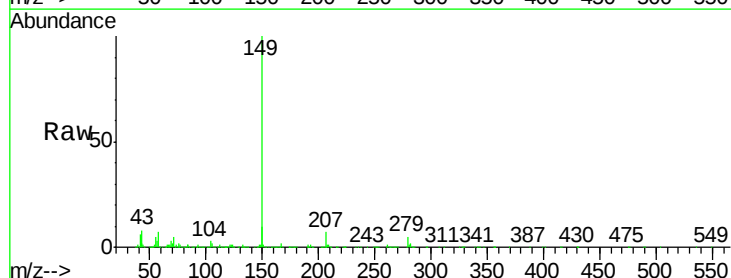
Tgt Ion:149 Resp: 1839015

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

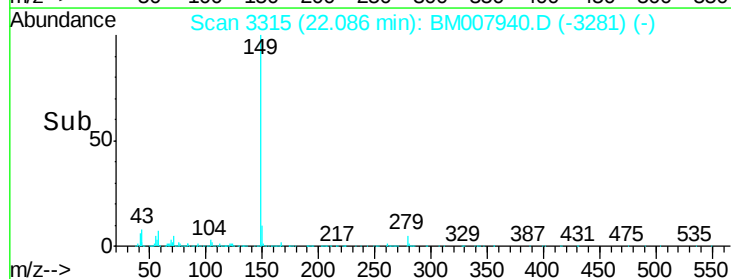
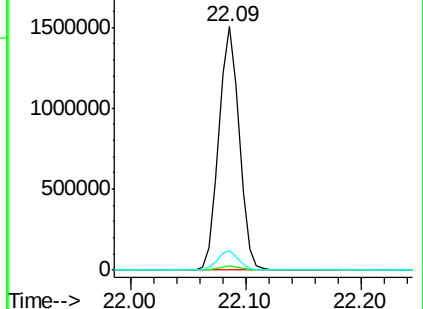
43 8.0 6.6 10.0

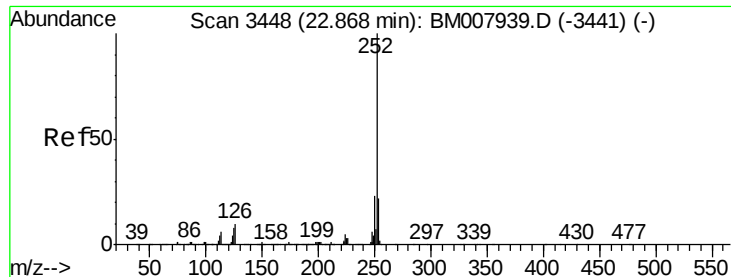


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM





#85

Benzo(b)fluoranthene

Concen: 36.24 ng/ul

RT: 22.87 min Scan# 3449

Delta R.T. 0.01 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

BNA_M

ClientSampleId :

A4WK2

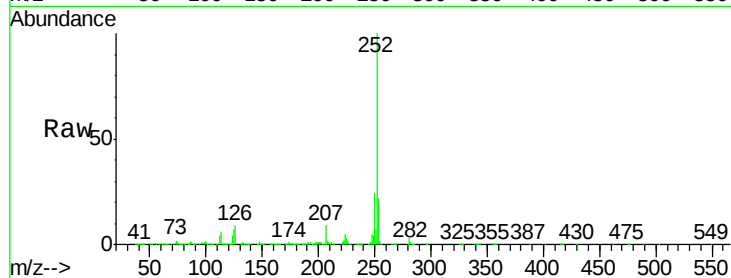
Tot Ion:252 Resp: 2312496

Ion Ratio Lower Upper

252 100

253 21.9 17.1 25.7

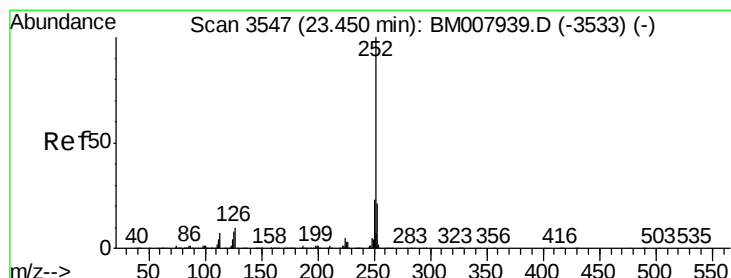
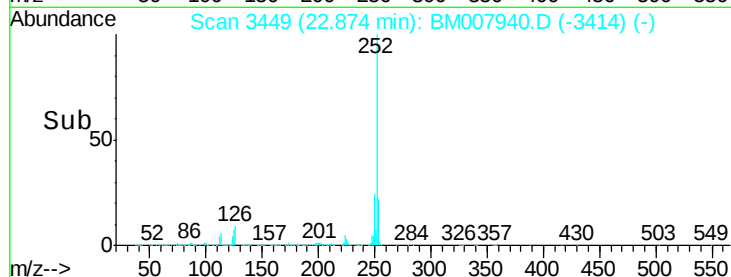
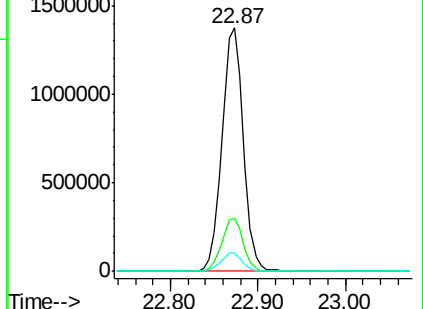
125 7.4 5.8 8.8



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(a)pyrene

Concen: 22.56 ng/ul

RT: 23.45 min Scan# 3547

Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

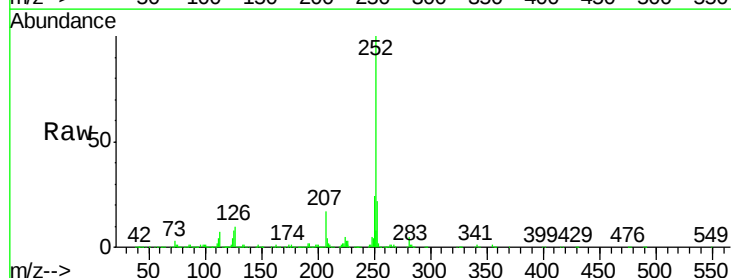
Tgt Ion:252 Resp: 1369022

Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

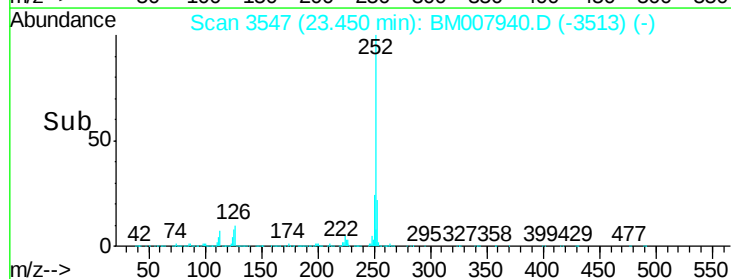
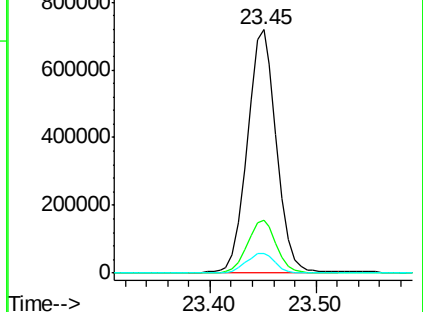
125 8.1 6.6 9.8

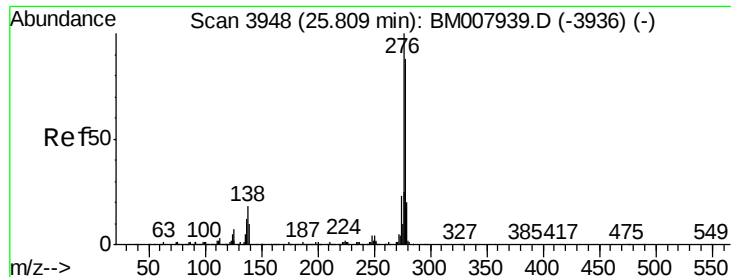


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 54.00 ng/ul

RT: 25.81 min Scan# 3949

Delta R.T. 0.01 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Instrument :

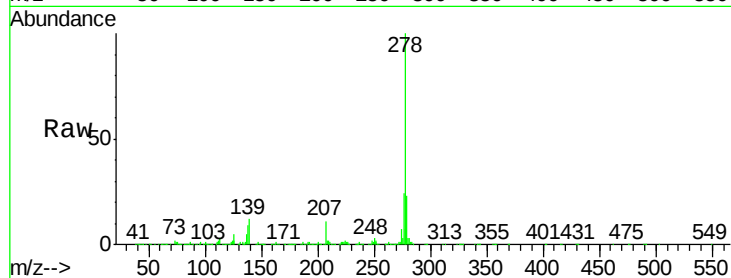
BNA_M

ClientSampleId :

A4WK2

Tot Ion:278 Resp: 3312810

Ion	Ratio	Lower	Upper
278	100		
139	12.3	9.5	14.3
279	23.5	19.1	28.7

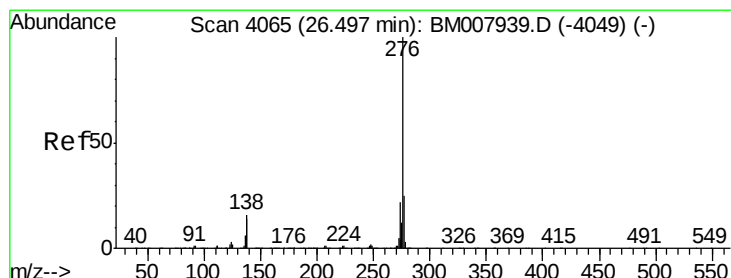
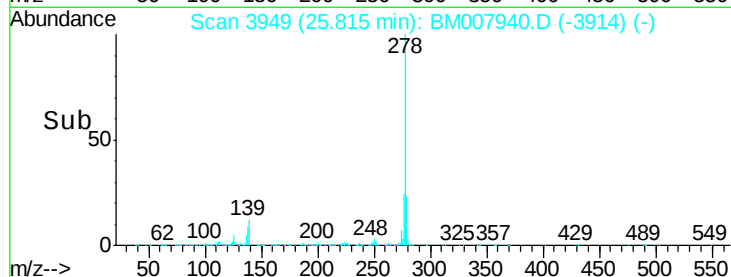
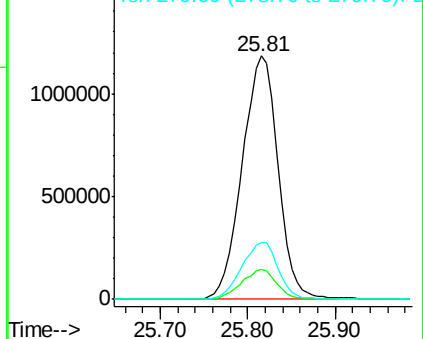


Abundance

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



#91

Benzo(g,h,i)perylene

Concen: 28.57 ng/ul

RT: 26.50 min Scan# 4065

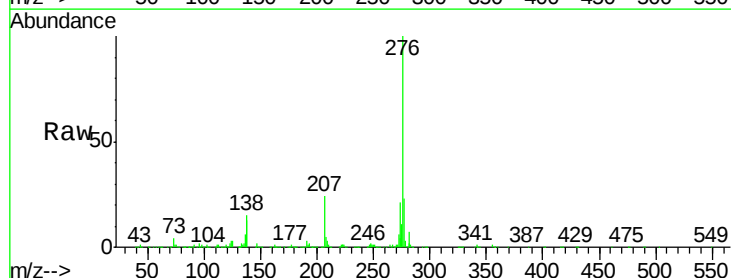
Delta R.T. 0.00 min

Lab File: BM007940.D

Acq: 17 Nov 2016 15:35

Tgt Ion:276 Resp: 1742756

Ion	Ratio	Lower	Upper
276	100		
138	15.5	13.5	20.3
277	23.0	19.3	28.9



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

