

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012818\
 Data File : BM013950.D
 Acq On : 29 Jan 2018 07:47
 Operator : SJ/JU
 Sample : J1243-11
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B34

Quant Time: Jan 29 10:06:59 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jan 29 04:03:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	162538	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	597794	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.23	164	549706	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.00	188	748380	20.00	ng/ul	0.01
75) Chrysene-d12	21.20	240	816018	20.00	ng/ul	0.01
83) Perylene-d12	23.38	264	793927	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	14036	3.41	ng/uL	0.00
5) Phenol-d5	6.76	99	293115	23.49	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	189261	25.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.11	132	258997	25.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	239045	24.92	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	136048	29.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	148683	30.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	279677	29.54	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	209564	25.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	793154	17.51	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	955407	16.54	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	90283	12.26	ng/ul	0.00
57) Fluorene-d10	15.23	176	655354	16.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.41	200	67145	14.91	ng/ul	0.04
70) Anthracene-d10	17.11	188	1002670	27.51	ng/ul	0.03
76) Pyrene-d10	19.40	212	1180355	31.07	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.38	264	790894	21.67	ng/ul	0.15

Target Compounds

					Ovalue	
6) Phenol	6.79	94	41325	3.302	ng/ul#	85
17) Hexachloroethane	8.67	117	64131	13.002	ng/ul#	1
30) 4-Chloroaniline	10.45	127	8646376	1061.428	ng/ul#	20
32) Caprolactam	11.37	113	34316	13.518	ng/ul	88
40) 1,1'-Biphenyl	13.06	154	5979549	130.680	ng/ul	99
44) Dimethylphthalate	13.70	163	163223	3.664	ng/ul	99
47) Acenaphthylene	13.96	152	230231	4.355	ng/ul#	67
49) Acenaphthene	14.32	153	15628961	426.905	ng/ul	91
53) Dibenzofuran	14.55	168	211255	3.836	ng/ul#	57
54) 2,4-Dinitrotoluene	14.64	165	34270	2.723	ng/ul#	1
55) 2,3,4,6-Tetrachlorophenol	14.87	232	69563	6.028	ng/ul#	82
58) Fluorene	15.30	166	12419740	275.292	ng/ul	99
60) 4-Nitroaniline	15.30	138	151790	19.109	ng/ul#	15
63) 4,6-Dinitro-2-methylphenol	15.41	198	5479	1.152	ng/ul#	1
64) N-Nitrosodiphenylamine	15.50	169	87718	3.985	ng/ul#	7
68) Pentachlorophenol	16.67	266	958381	189.555	ng/ul	98
69) Phenanthrene	17.14	178	9227028	221.807	ng/ul	99
71) Anthracene	17.14	178	9227028	215.044	ng/ul	98
72) Carbazole	17.40	167	1683758	47.539	ng/ul	99
80) Benzo(a)anthracene	21.18	228	5478078	111.099	ng/ul	99
82) Chrysene	21.23	228	3893170	86.067	ng/ul	98
85) Benzo(b)fluoranthene	22.73	252	2396454	49.151	ng/ul#	99
86) Benzo(k)fluoranthene	22.77	252	910109	19.312	ng/ul#	98

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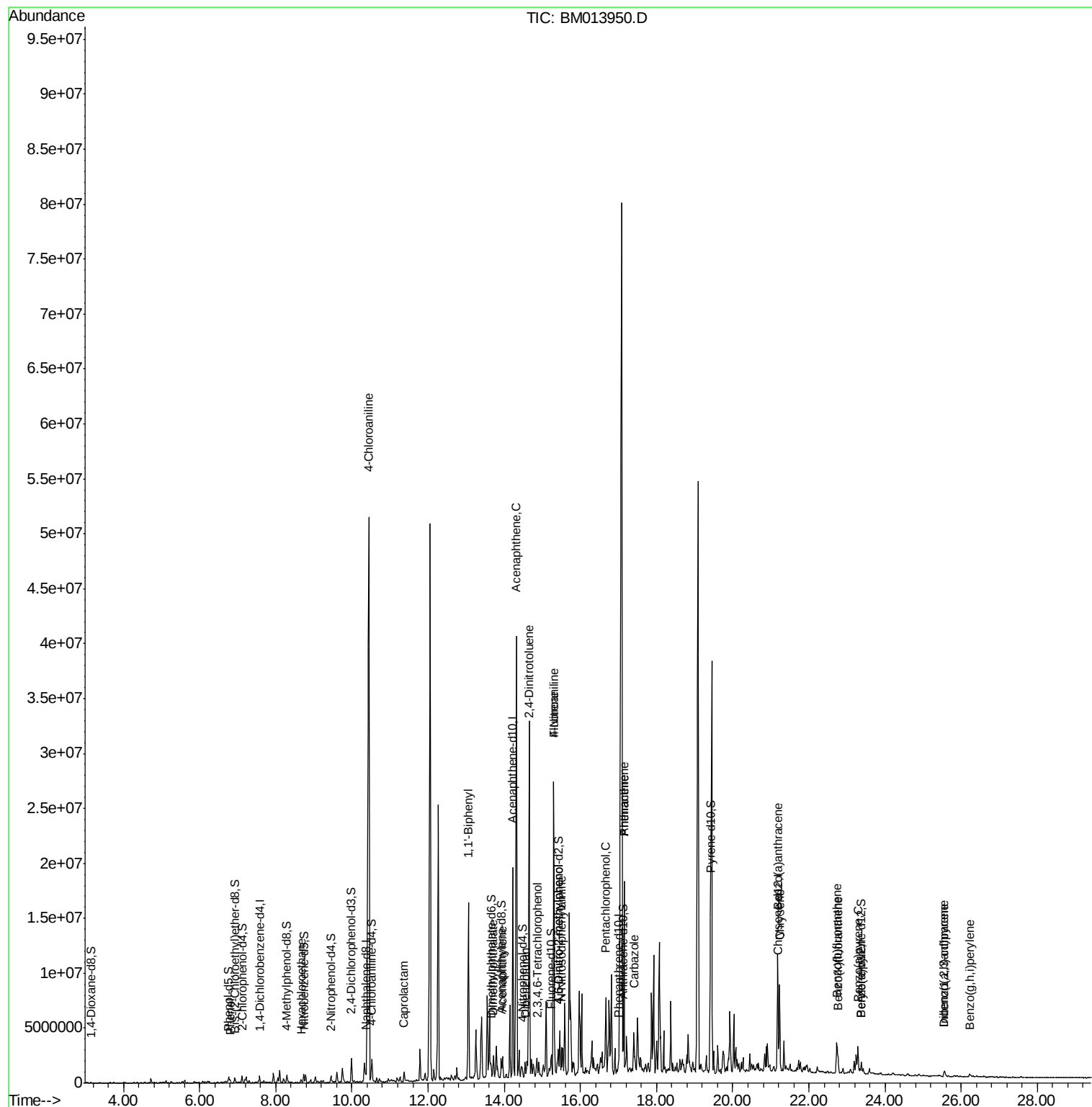
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(a)pyrene	23.29	252	1371294	29.772	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.56	276	415590	7.644	ng/ul	98
90) Dibenzo(a,h)anthracene	25.56	278	124843	2.719	ng/ul#	89
91) Benzo(g,h,i)perylene	26.22	276	268690	6.004	ng/ul#	95

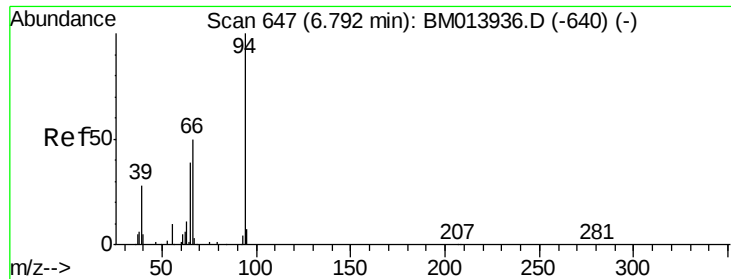
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 3.302 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampleId :

F6B34

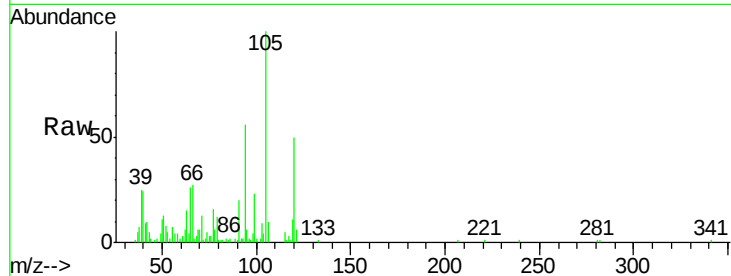
Tot Ion: 94 Resp: 41325

Ion Ratio Lower Upper

94 100

65 45.7 28.2 42.4#

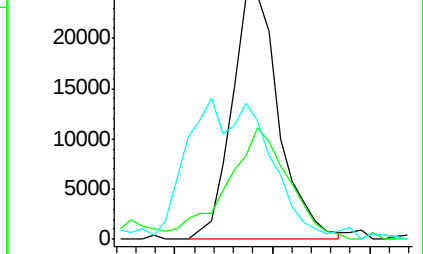
66 48.5 47.2 70.8



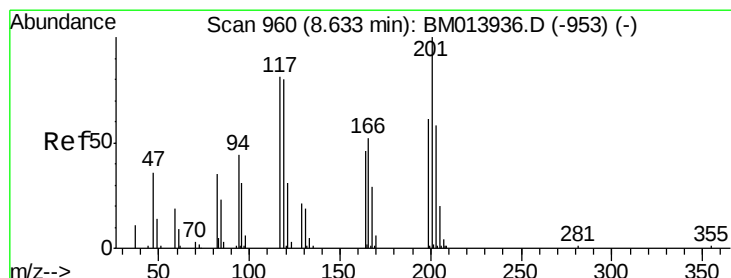
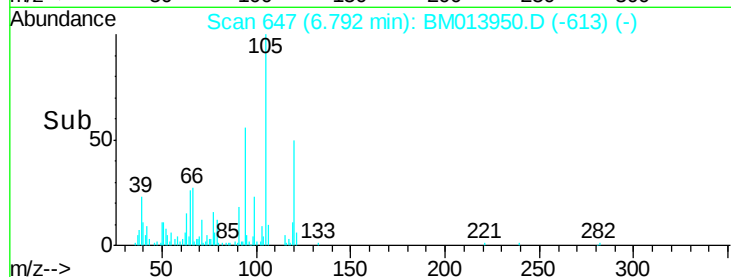
Abundance Ion 94.00 (93.70 to 94.70): BM013936.D (-640) (-)

Ion 65.00 (64.70 to 65.70): BM013936.D (-640) (-)

Ion 66.00 (65.70 to 66.70): BM013936.D (-640) (-)



Time-->



#17

Hexachloroethane

Concen: 13.002 ng/ul

RT: 8.67 min Scan# 966

Delta R.T. 0.04 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

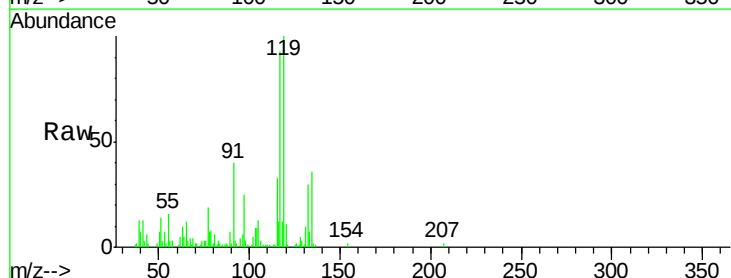
Tgt Ion: 117 Resp: 64131

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

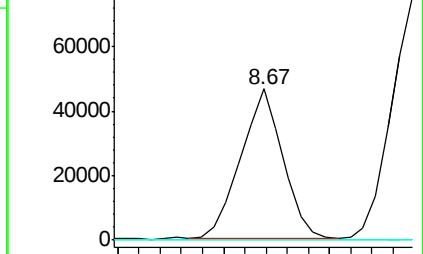
199 0.0 67.8 101.6#



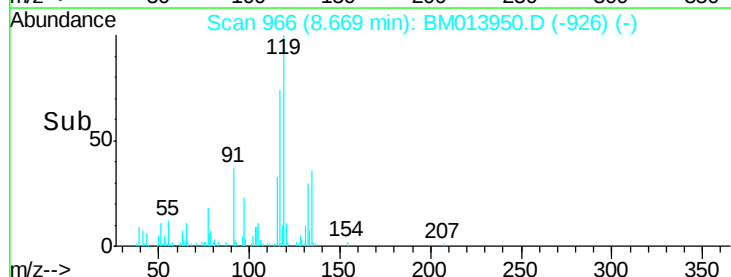
Abundance Ion 117.00 (116.70 to 117.70): BM013936.D (-953) (-)

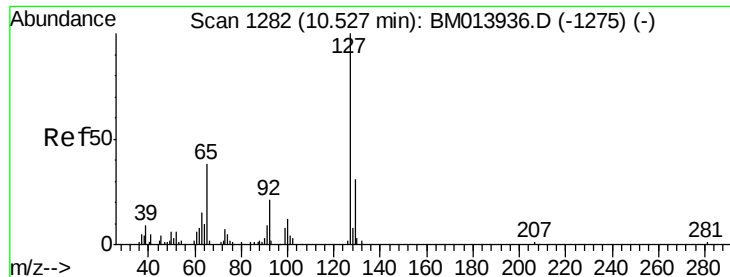
Ion 201.00 (200.70 to 201.70): BM013936.D (-953) (-)

Ion 199.00 (198.70 to 199.70): BM013936.D (-953) (-)



Time-->

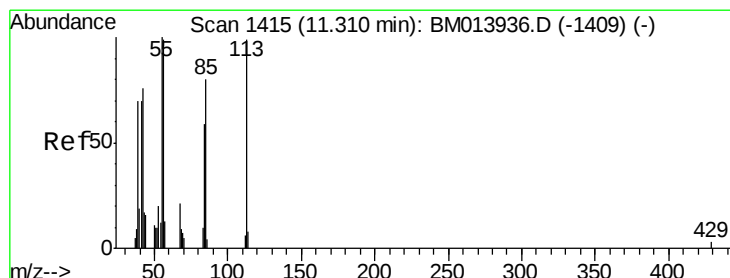
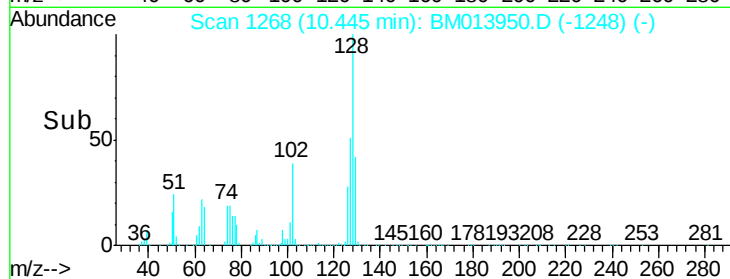
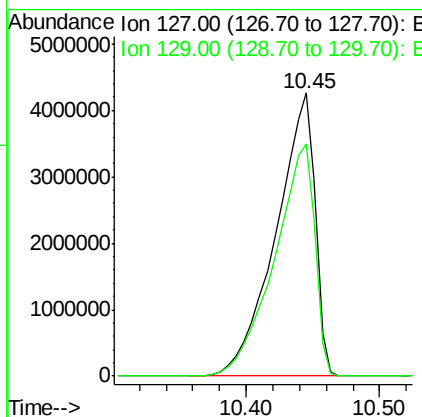
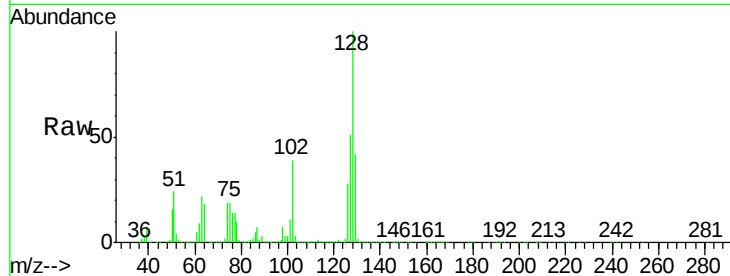




#30
4-Chloroaniline
Concen: 1061.428 ng/ul
RT: 10.45 min Scan# 1268
Delta R.T. -0.08 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

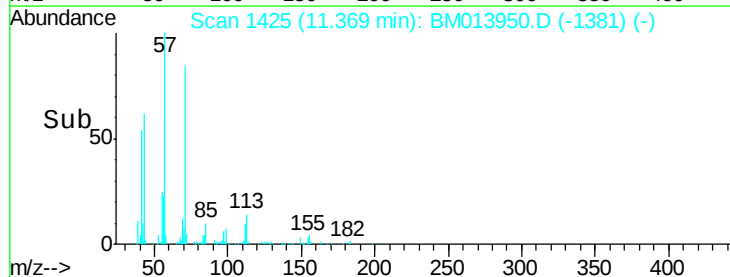
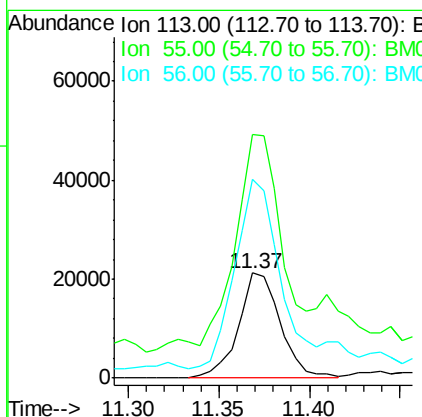
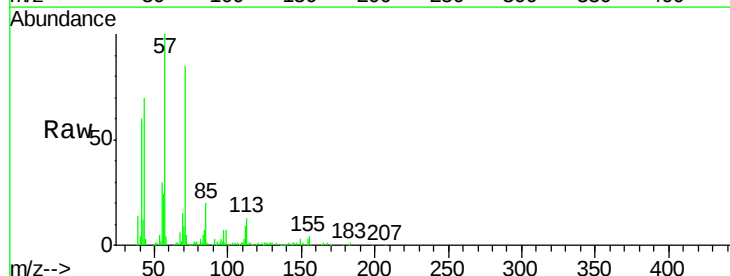
Instrument :
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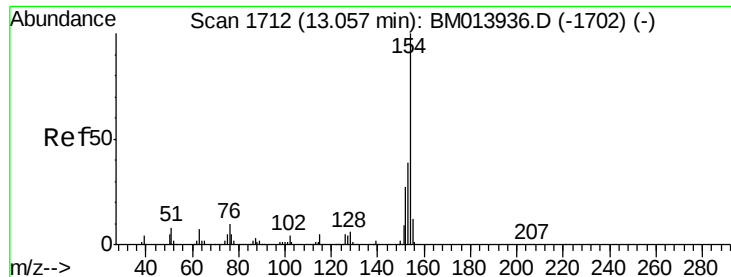
Tot Ion:127 Resp: 8646376
Ion Ratio Lower Upper
127 100
129 82.2 28.4 42.6#



#32
Caprolactam
Concen: 13.518 ng/ul
RT: 11.37 min Scan# 1425
Delta R.T. 0.06 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion:113 Resp: 34316
Ion Ratio Lower Upper
113 100
55 231.3 208.0 312.0
56 188.8 160.0 240.0





#40

1,1'-Biphenyl

Concen: 130.680 ng/ul

RT: 13.06 min Scan# 1713

Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

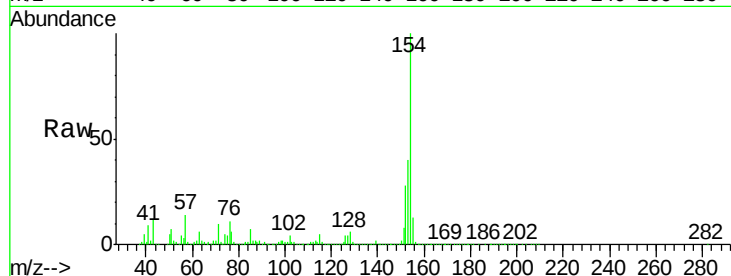
BNA_M

ClientSampled :

F6B34

Tot Ion:154 Resp: 5979549

Ion	Ratio	Lower	Upper
154	100		
153	40.2	32.6	48.8
76	10.9	8.5	12.7

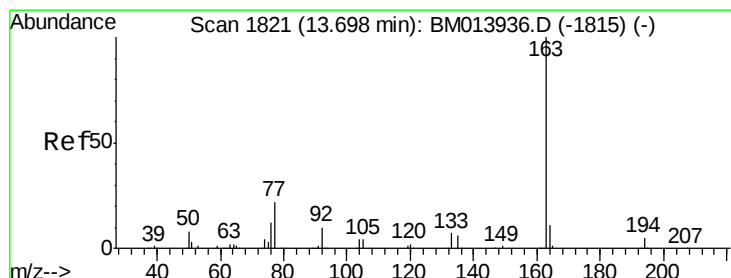
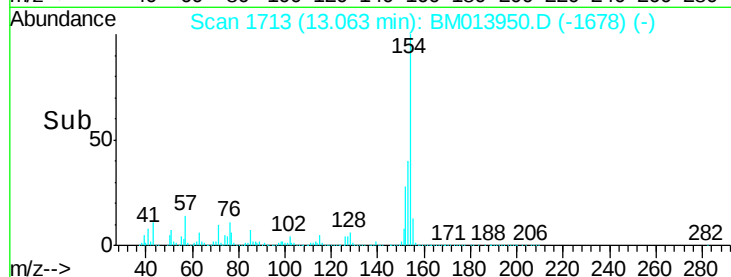
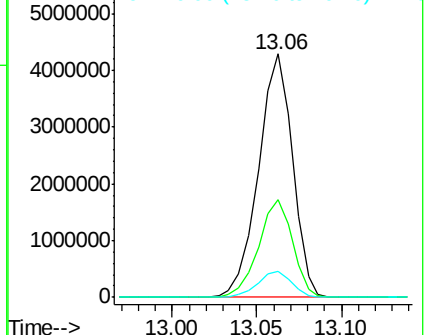


Abundance

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): BM



#44

Dimethylphthalate

Concen: 3.664 ng/ul

RT: 13.70 min Scan# 1822

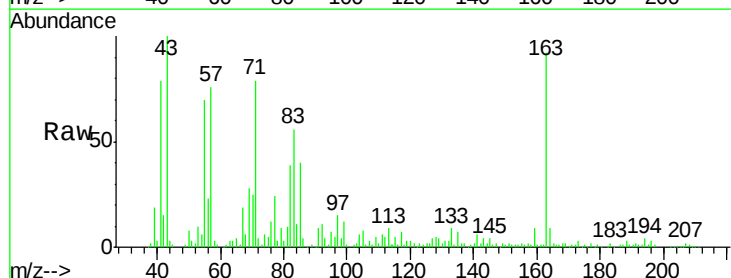
Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Tgt Ion:163 Resp: 163223

Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.5	5.3
164	10.1	8.2	12.4

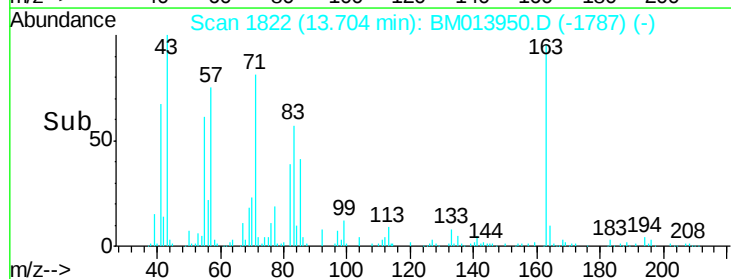
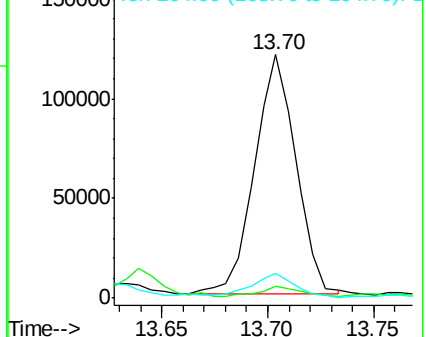


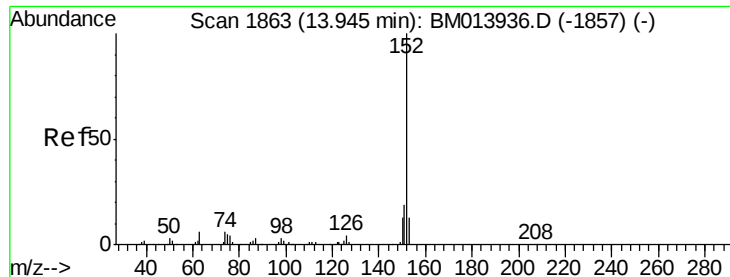
Abundance

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





#47

Acenaphthylene

Concen: 4.355 ng/ul

RT: 13.96 min Scan# 1865

Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

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ClientSampleId :

F6B34

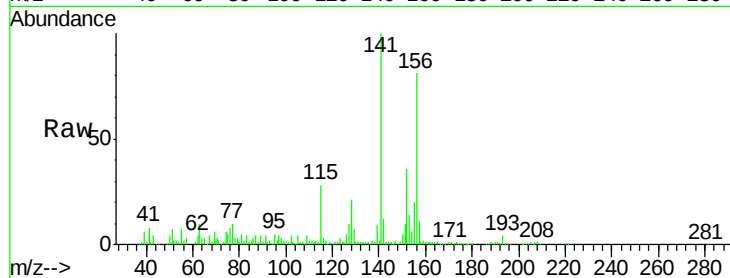
Tot Ion:152 Resp: 230231

Ion Ratio Lower Upper

152 100

151 26.3 16.3 24.5#

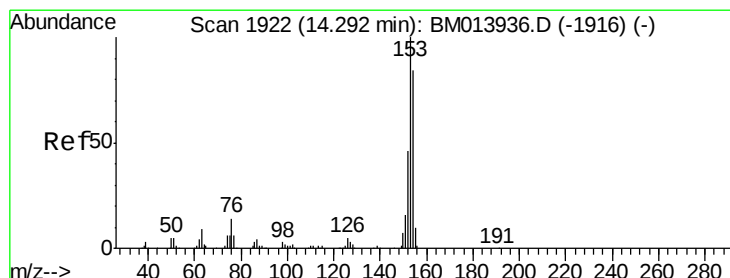
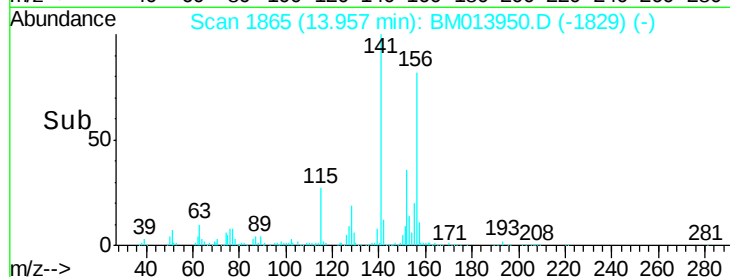
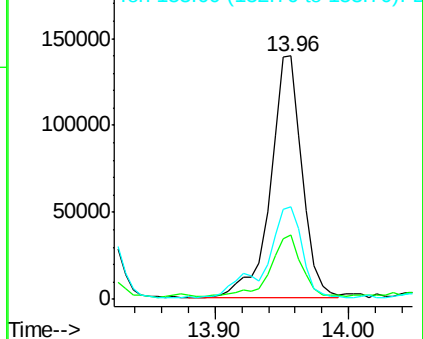
153 38.2 10.2 15.4#



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



#49

Acenaphthene

Concen: 426.905 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. 0.02 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

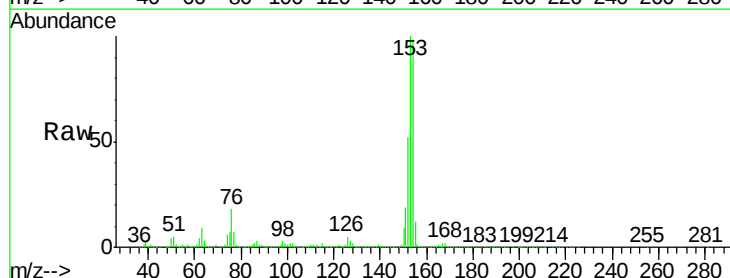
Tgt Ion:153 Resp:15628961

Ion Ratio Lower Upper

153 100

152 51.6 37.6 56.4

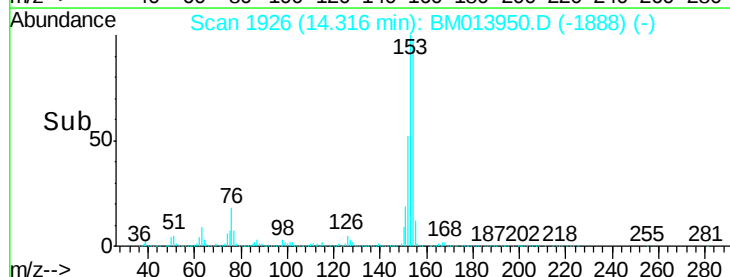
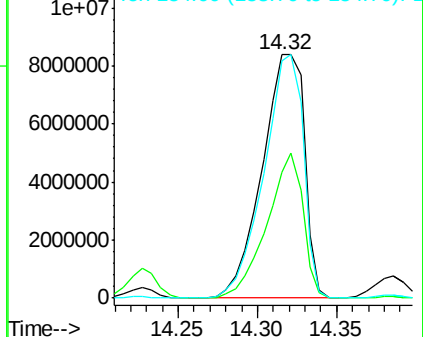
154 97.5 70.4 105.6

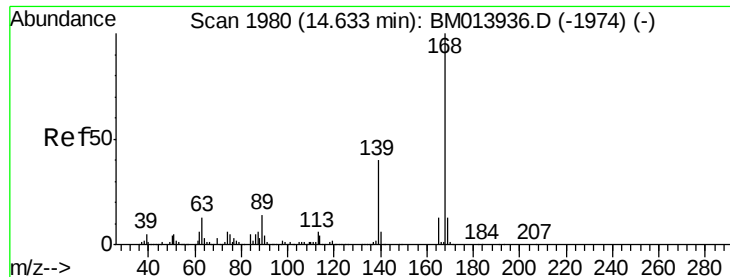


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 3.836 ng/ul

RT: 14.55 min Scan# 1966

Delta R.T. -0.08 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

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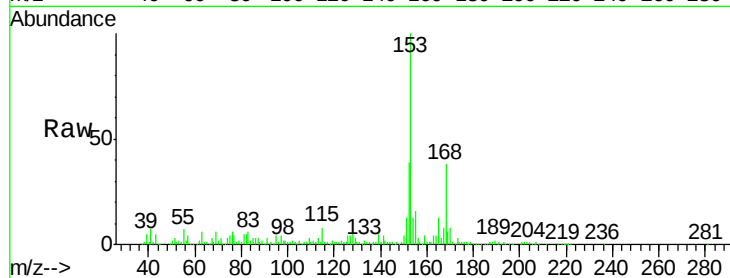
F6B34

Tot Ion:168 Resp: 211255

Ion Ratio Lower Upper

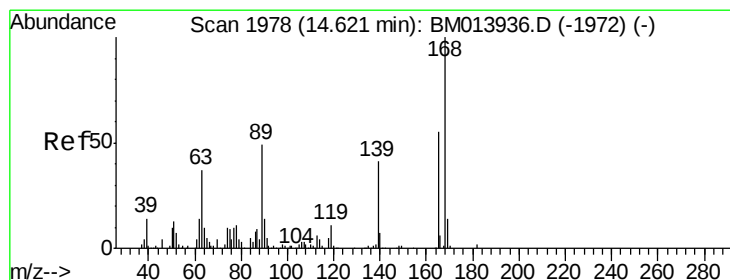
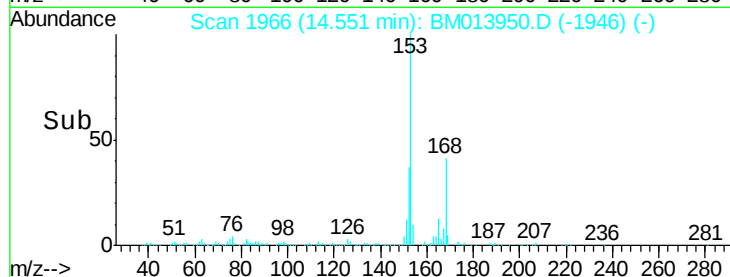
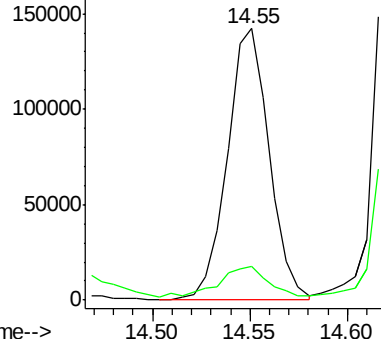
168 100

139 12.2 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#54

2,4-Dinitrotoluene

Concen: 2.723 ng/ul

RT: 14.64 min Scan# 1982

Delta R.T. 0.02 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

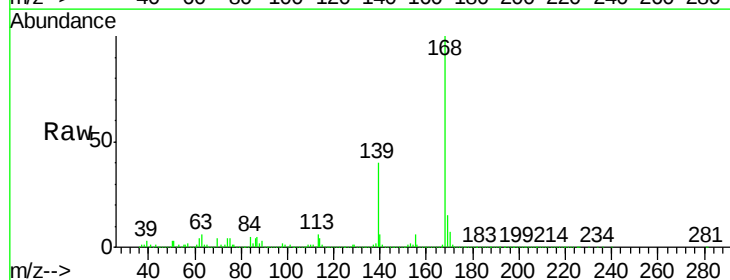
Tgt Ion:165 Resp: 34270

Ion Ratio Lower Upper

165 100

63 1844.9 45.8 68.8#

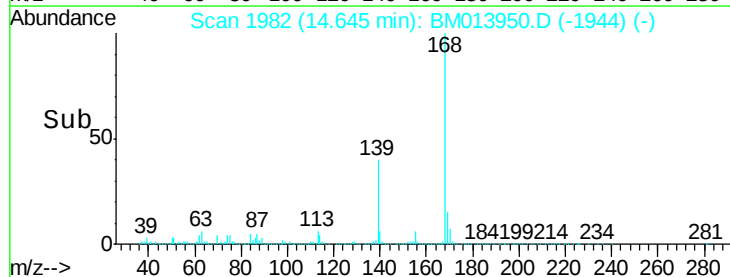
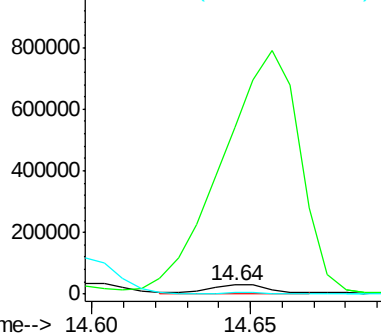
182 12.2 2.6 4.0#

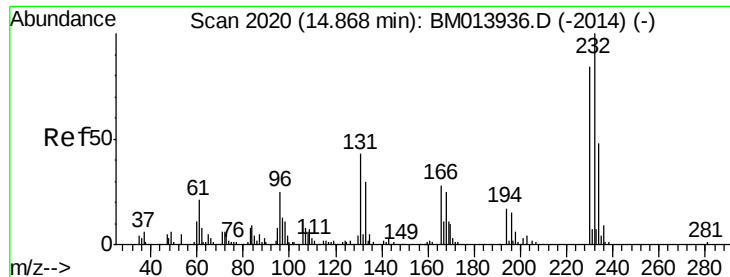


Abundance Ion 165.00 (164.70 to 165.70): E

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: 6.028 ng/ul

RT: 14.87 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampleId :

F6B34

Tot Ion:232 Resp: 69563

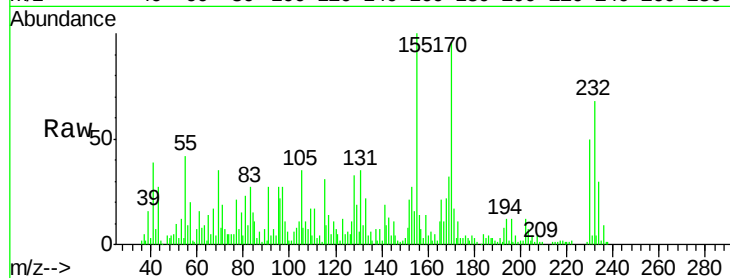
Ion Ratio Lower Upper

232 100

131 51.2 29.0 43.4#

130 8.8 2.0 3.0#

166 30.4 21.4 32.2

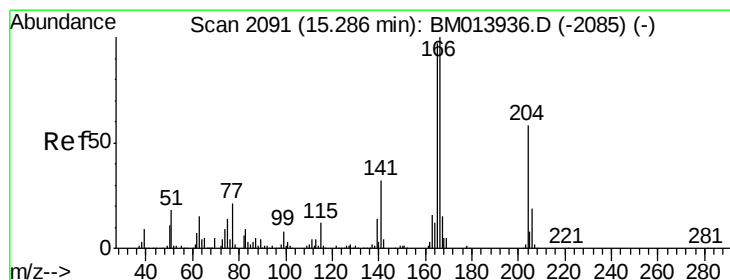
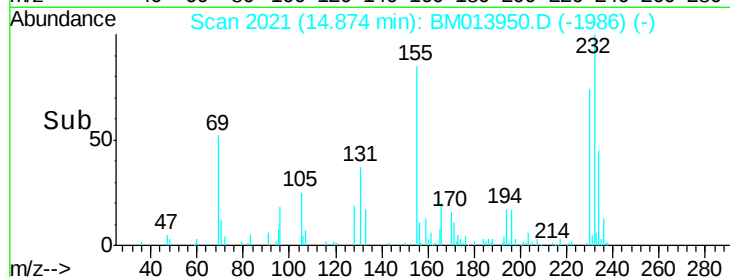
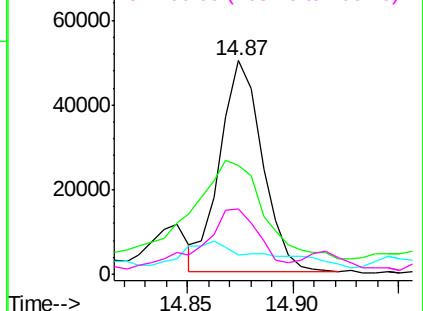


Abundance Ion 232.00 (231.70 to 232.70): E

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: 275.292 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

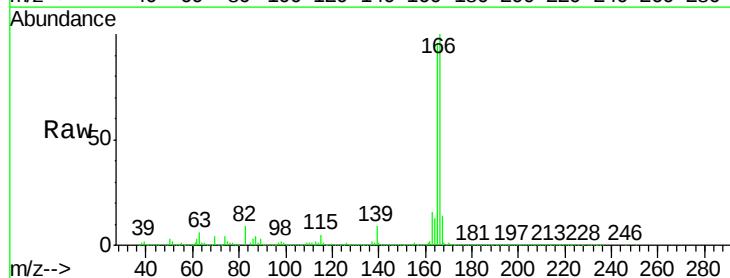
Tgt Ion:166 Resp:12419740

Ion Ratio Lower Upper

166 100

165 96.0 77.9 116.9

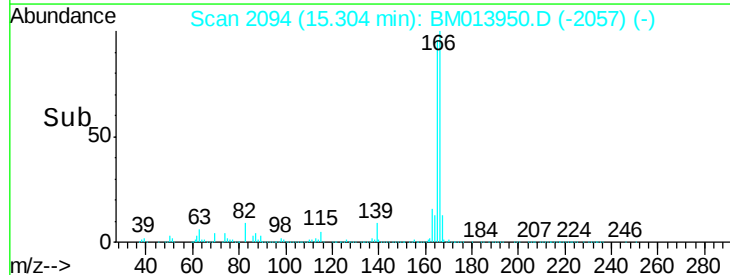
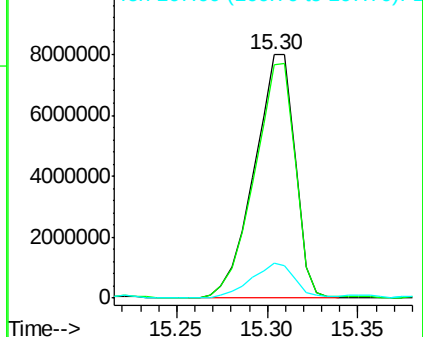
167 14.2 10.6 16.0

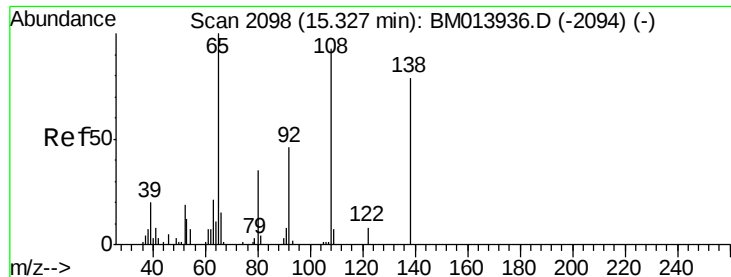


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

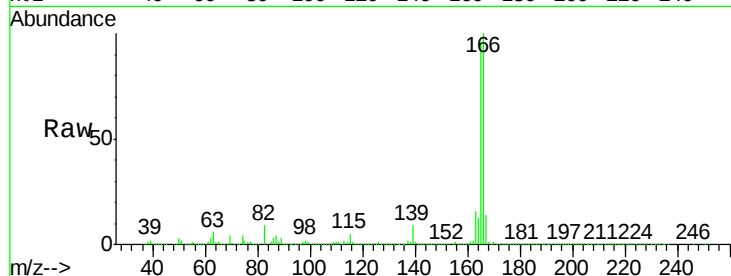




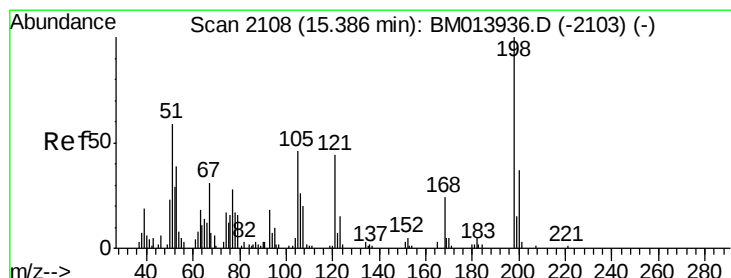
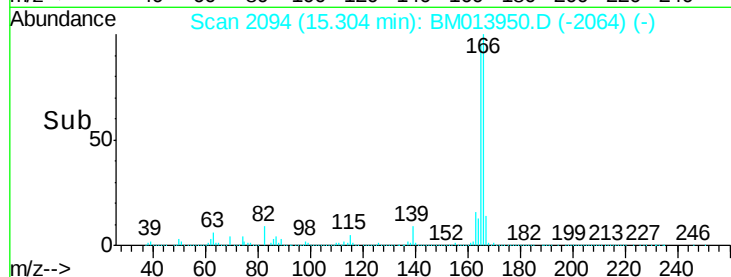
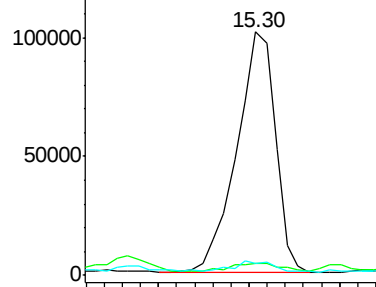
#60
4-Nitroaniline
Concen: 19.109 ng/ul
RT: 15.30 min Scan# 2094
Delta R.T. -0.02 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Instrument :
BNA_M
ClientSampleId :
F6B34

Tot Ion:138 Resp: 151790
Ion Ratio Lower Upper
138 100
92 4.9 40.0 60.0#
108 5.1 80.0 120.0#

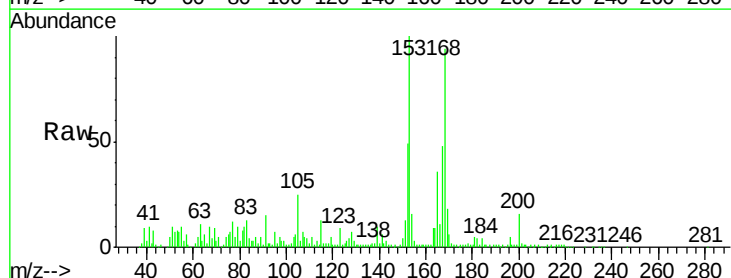


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

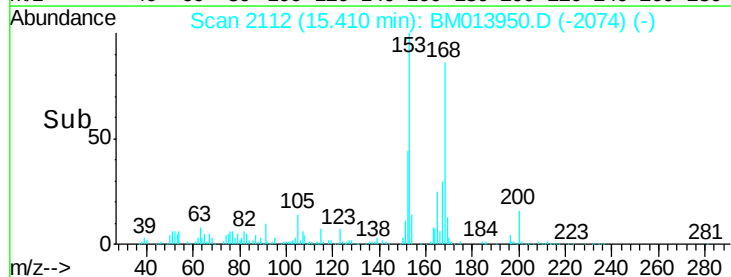
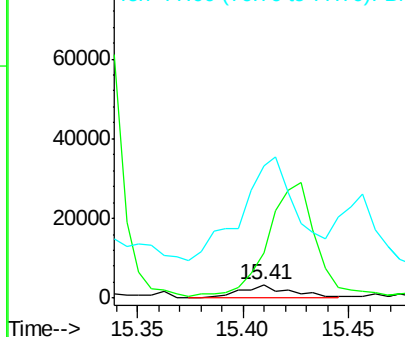


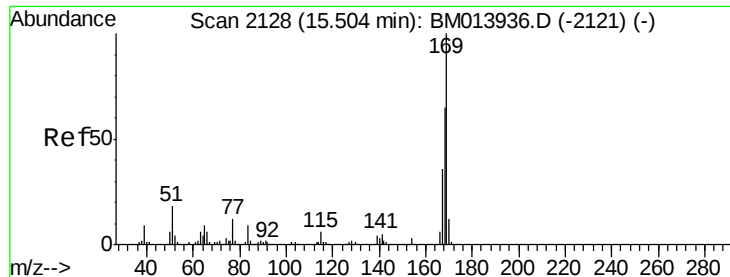
#63
4,6-Dinitro-2-methylphenol
Concen: 1.152 ng/ul
RT: 15.41 min Scan# 2112
Delta R.T. 0.02 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion:198 Resp: 5479
Ion Ratio Lower Upper
198 100
182 340.4 3.8 5.6#
77 998.5 25.2 37.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 77.00 (76.70 to 77.70): BM0



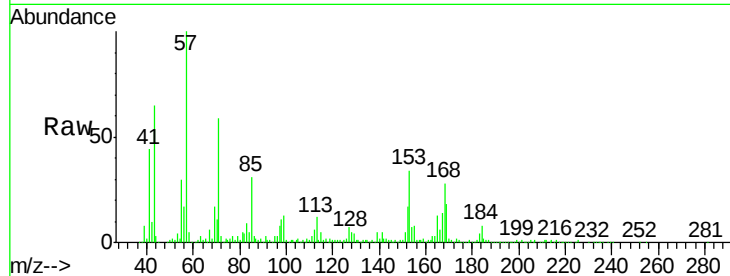


#64

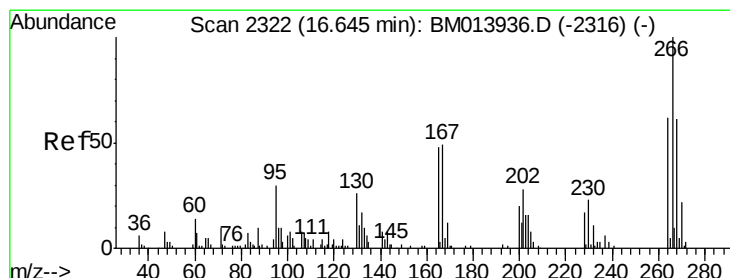
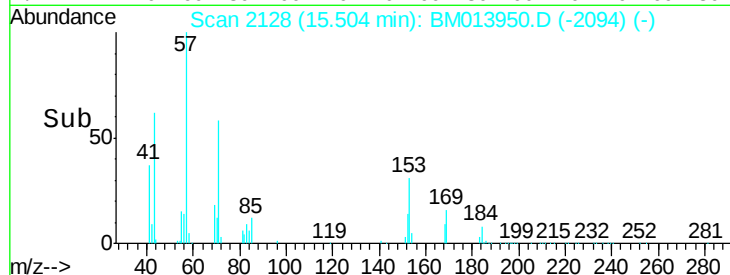
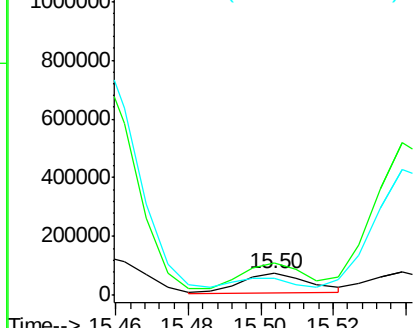
N-Nitrosodiphenylamine
Concen: 3.985 ng/ul
RT: 15.50 min Scan# 2128
Delta R.T. 0.00 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Instrument :
BNA_M
ClientSampled :
F6B34

Tot Ion:169 Resp: 87718
Ion Ratio Lower Upper
169 100
168 152.1 54.0 81.0#
167 77.5 29.1 43.7#



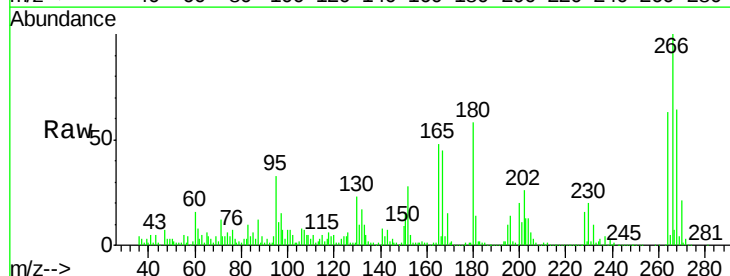
Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E



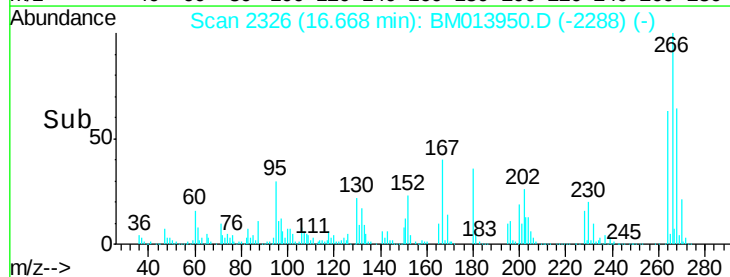
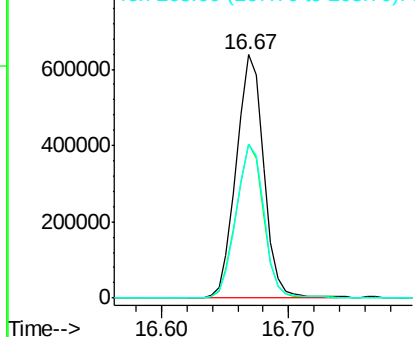
#68

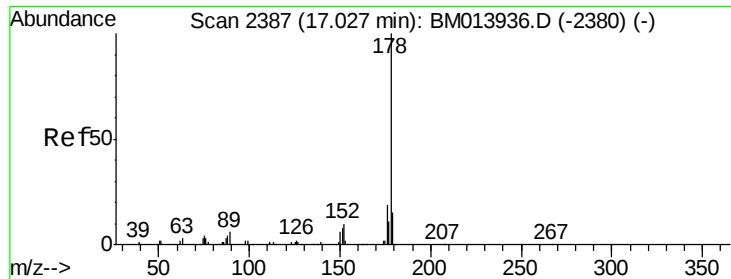
Pentachlorophenol
Concen: 189.555 ng/ul
RT: 16.67 min Scan# 2326
Delta R.T. 0.02 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion:266 Resp: 958381
Ion Ratio Lower Upper
266 100
264 63.0 49.3 73.9
268 63.5 52.6 78.8



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





#69

Phenanthrene

Concen: 221.807 ng/ul

RT: 17.14 min Scan# 2407

Delta R.T. 0.12 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampled :

F6B34

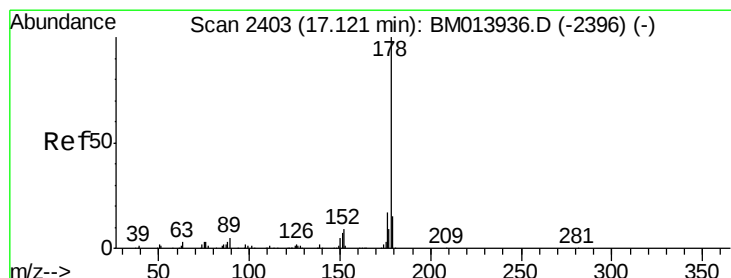
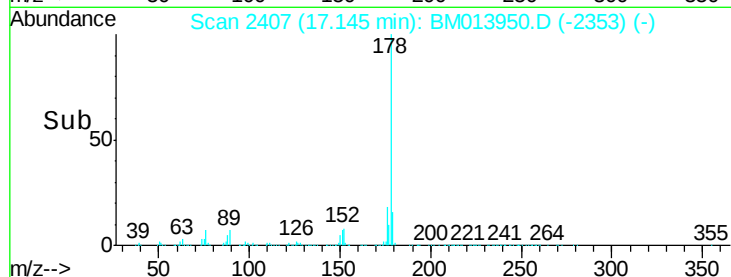
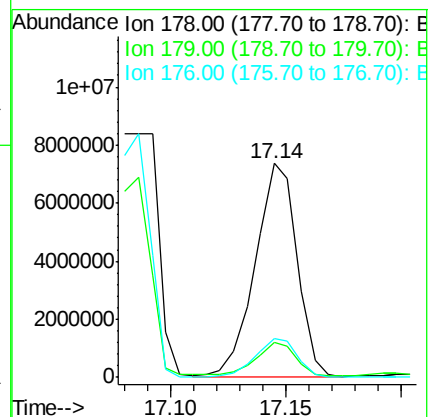
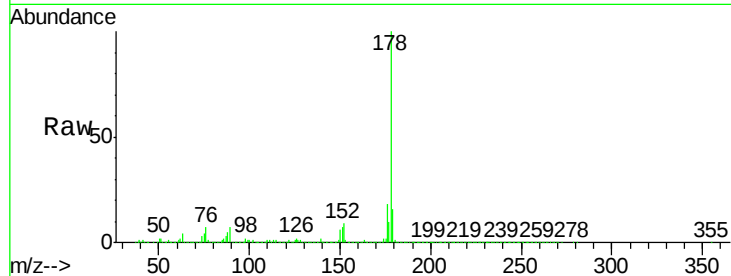
Tot Ion:178 Resp: 9227028

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

176 18.4 14.9 22.3



#71

Anthracene

Concen: 215.044 ng/ul

RT: 17.14 min Scan# 2407

Delta R.T. 0.02 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

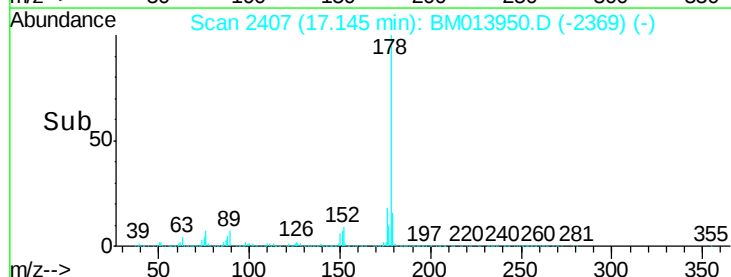
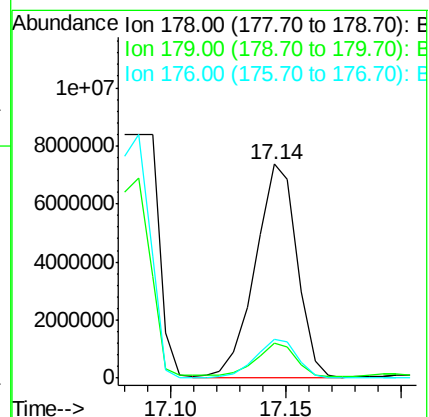
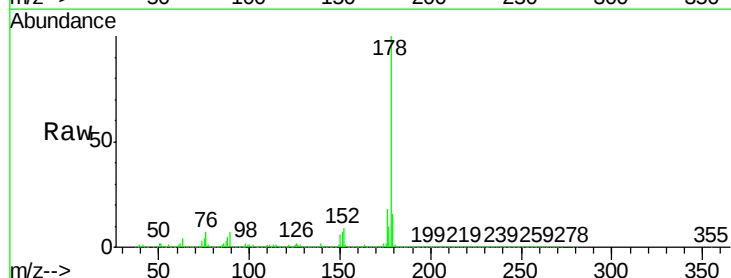
Tgt Ion:178 Resp: 9227028

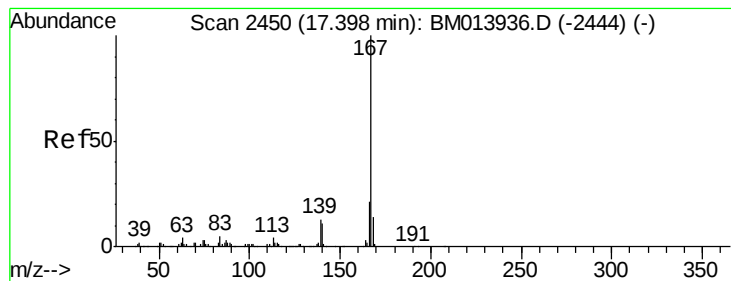
Ion Ratio Lower Upper

178 100

179 16.1 11.7 17.5

176 18.4 14.6 21.8





#72

Carbazole

Concen: 47.539 ng/ul

RT: 17.40 min Scan# 2451

Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampleId :

F6B34

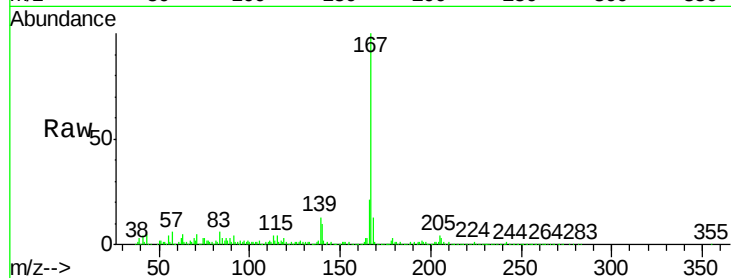
Tot Ion:167 Resp: 1683758

Ion Ratio Lower Upper

167 100

166 20.9 17.1 25.7

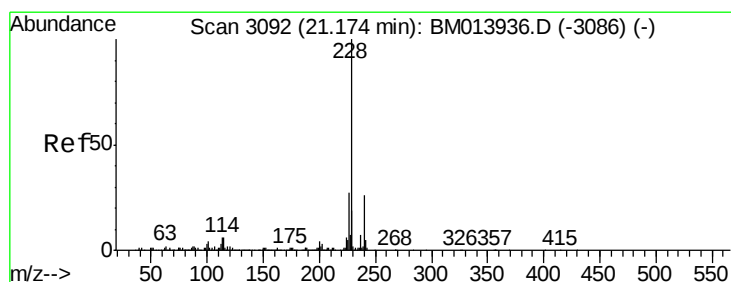
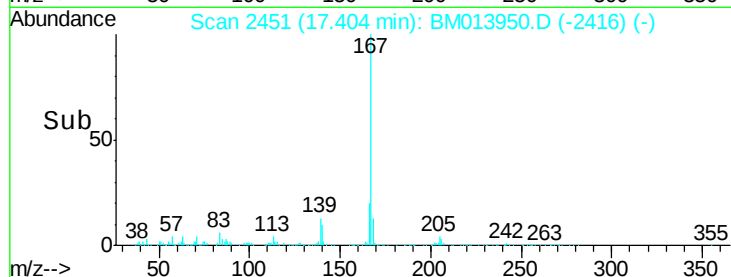
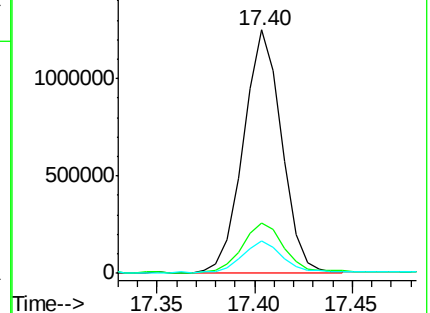
139 13.2 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#80

Benzo(a)anthracene

Concen: 111.099 ng/ul

RT: 21.18 min Scan# 3093

Delta R.T. 0.01 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

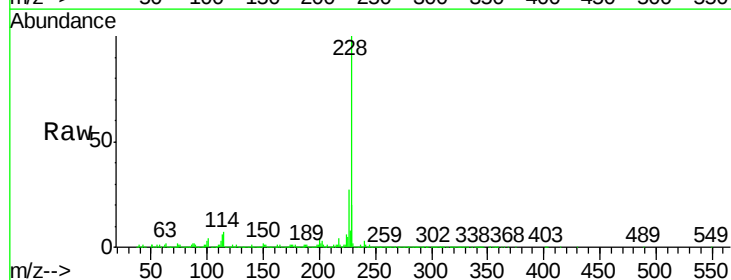
Tgt Ion:228 Resp: 5478078

Ion Ratio Lower Upper

228 100

229 20.3 15.4 23.0

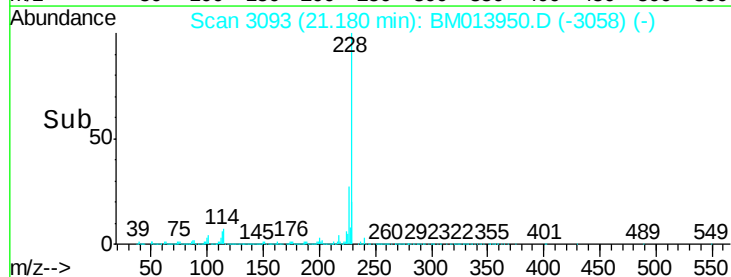
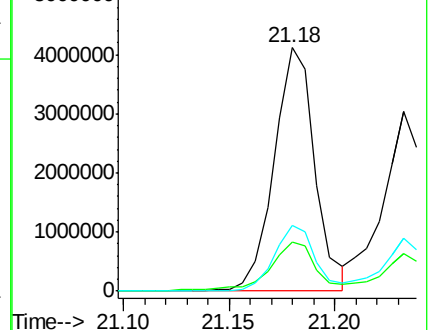
226 26.8 21.4 32.0

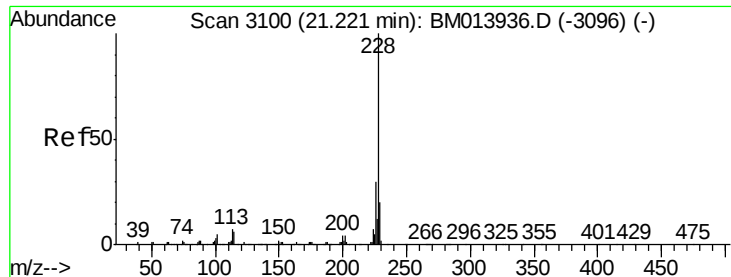


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

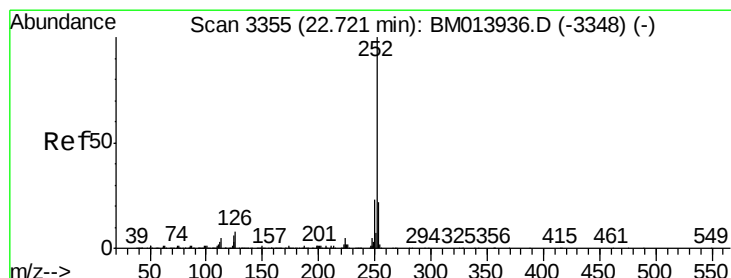
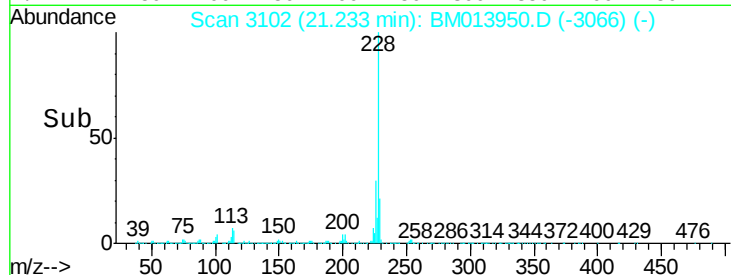
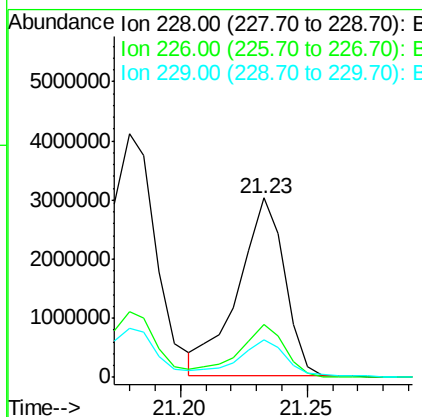
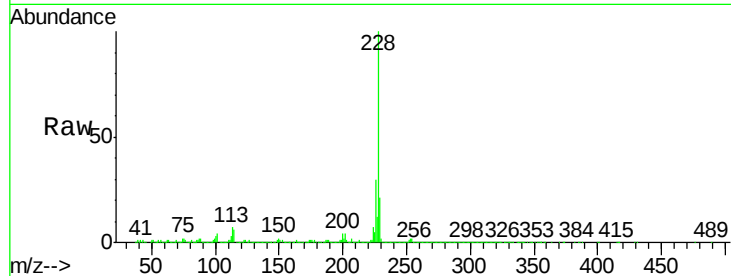




#82
Chrysene
Concen: 86.067 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

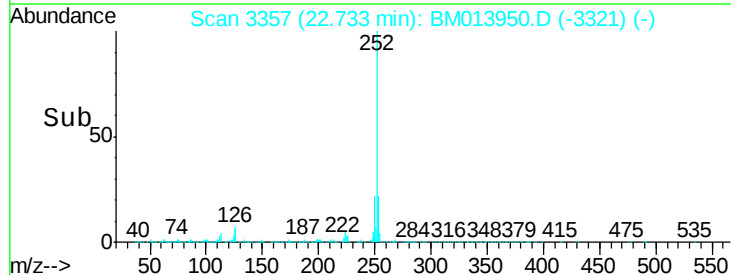
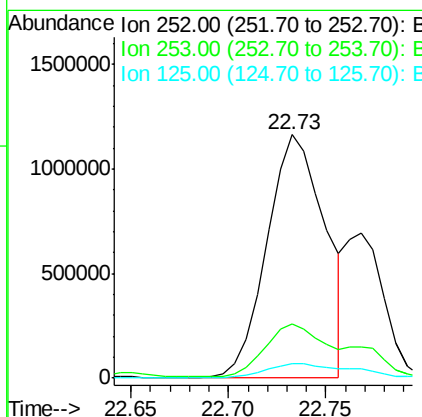
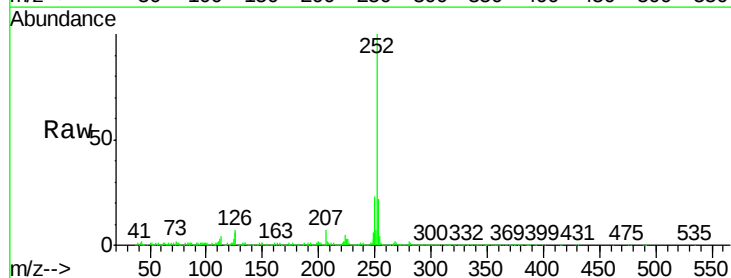
Instrument :
BNA_M
ClientSampleId :
F6B34

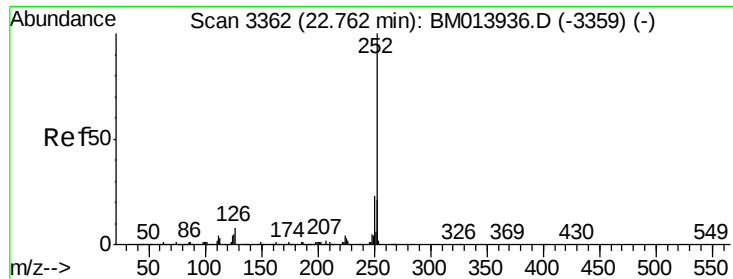
Tot Ion:228 Resp: 3893170
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 21.1 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 49.151 ng/ul
RT: 22.73 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion:252 Resp: 2396454
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 6.1 3.6 5.4#

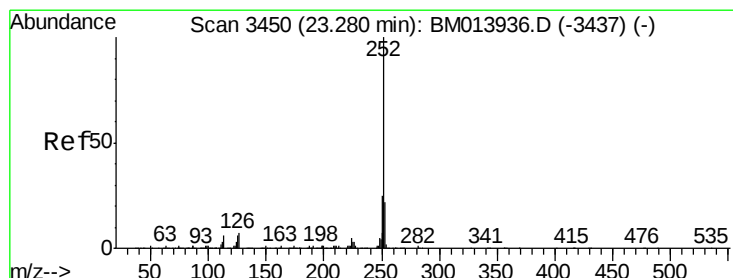
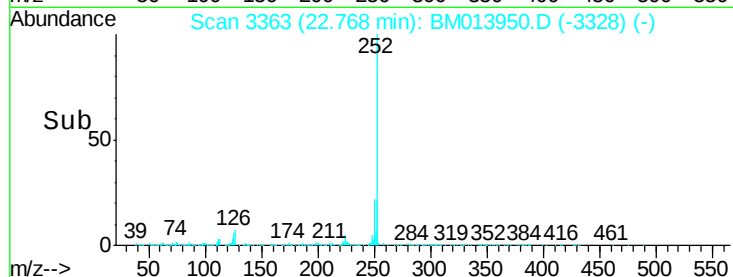
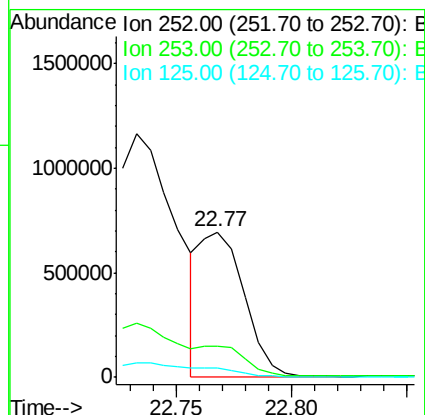
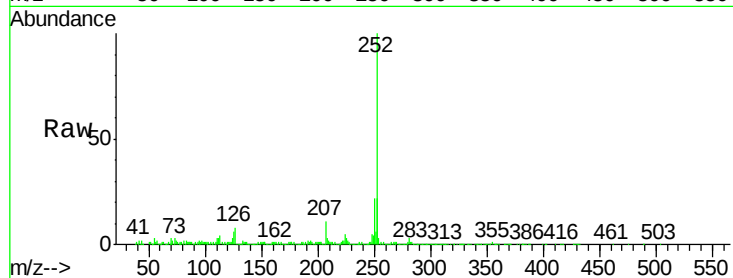




#86
Benzo(k)fluoranthene
Concen: 19.312 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

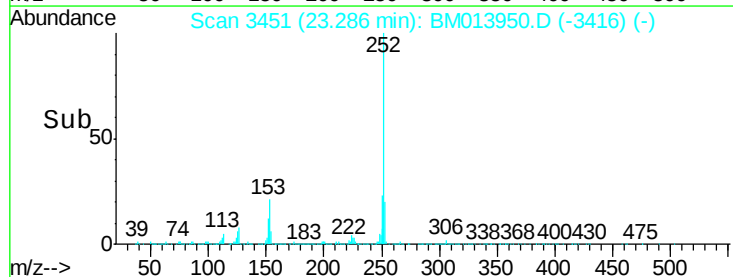
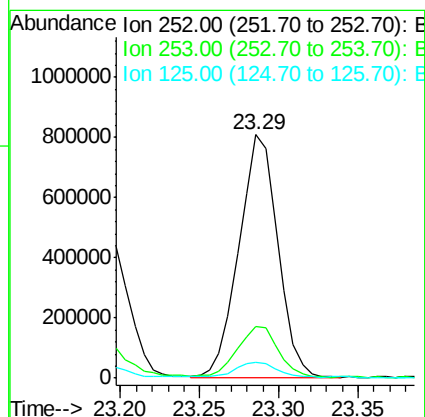
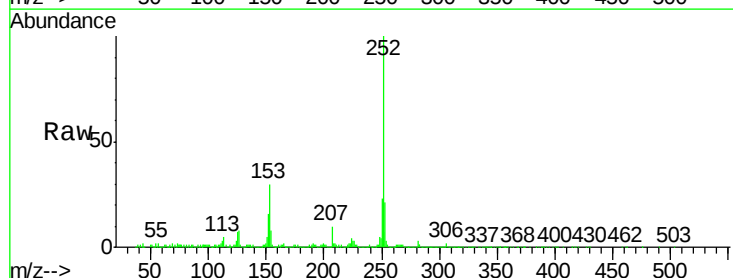
Instrument :
BNA_M
ClientSampleId :
F6B34

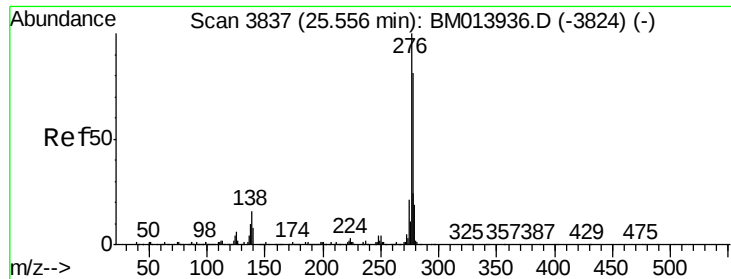
Tot Ion:252 Resp: 910109
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 6.2 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 29.772 ng/ul
RT: 23.29 min Scan# 3451
Delta R.T. 0.01 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion:252 Resp: 1371294
Ion Ratio Lower Upper
252 100
253 21.5 18.2 27.2
125 6.6 4.0 6.0#



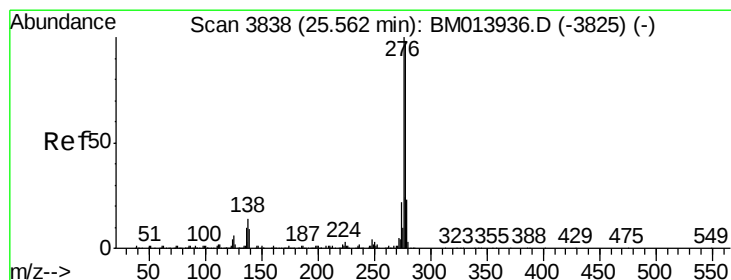
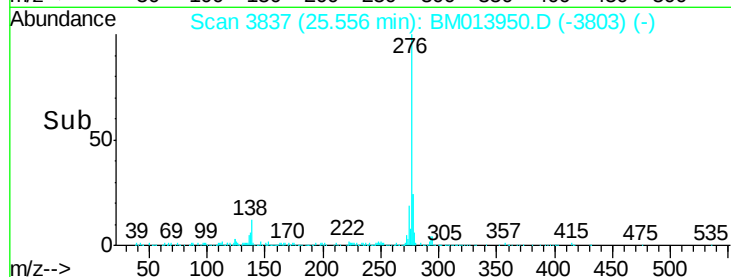
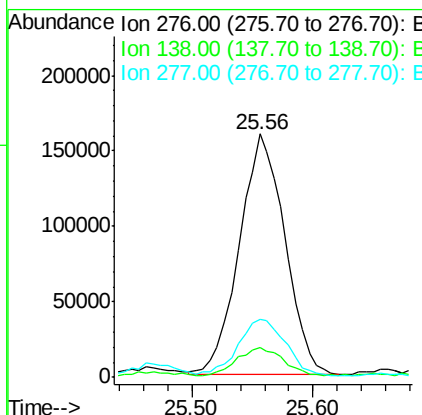
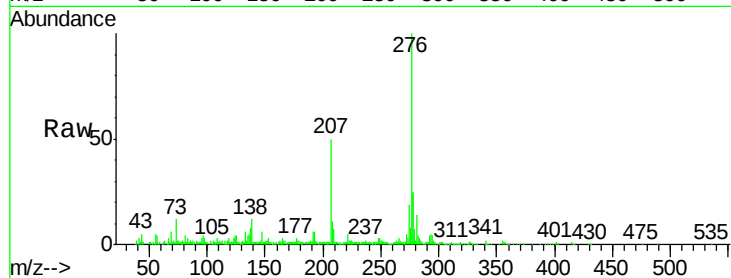


#89

Indeno(1,2,3-cd)pyrene
Concen: 7.644 ng/ul
RT: 25.56 min Scan# 3837
Delta R.T. 0.00 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Instrument :
BNA_M
ClientSampleId :
F6B34

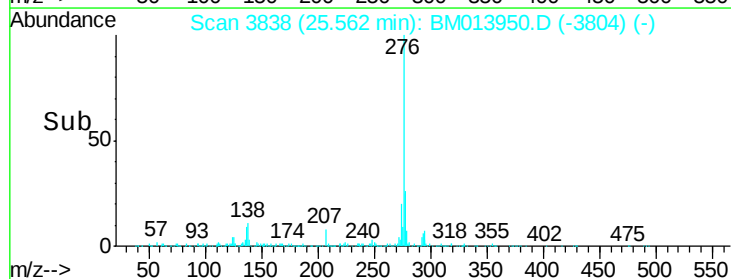
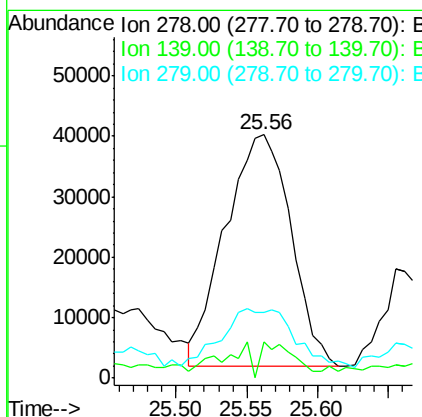
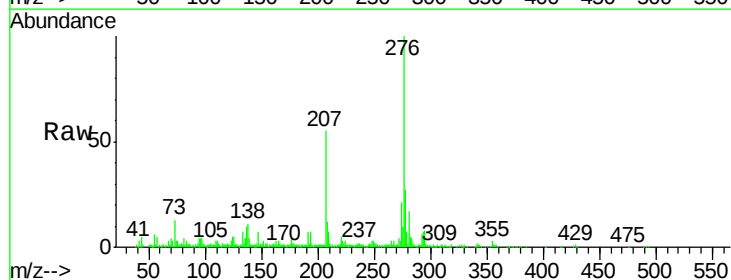
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.4	9.3	13.9
277	24.1	19.9	29.9

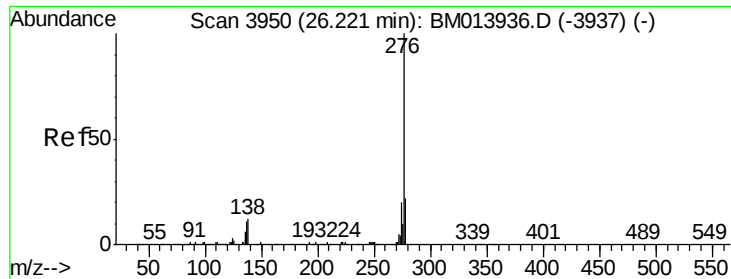


#90

Dibenzo(a,h)anthracene
Concen: 2.719 ng/ul
RT: 25.56 min Scan# 3838
Delta R.T. 0.00 min
Lab File: BM013950.D
Acq: 29 Jan 2018 07:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.9	5.8	8.8#
279	26.9	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 6.004 ng/ul

RT: 26.22 min Scan# 3950

Delta R.T. 0.00 min

Lab File: BM013950.D

Acq: 29 Jan 2018 07:47

Instrument :

BNA_M

ClientSampleId :

F6B34

Tot Ion:276 Resp: 268690

Ion Ratio Lower Upper

276 100

138 12.8 8.5 12.7#

277 25.7 18.6 28.0

