

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101317\
 Data File : BM012157.D
 Acq On : 14 Oct 2017 05:03
 Operator : SJ/JU
 Sample : I5649-04MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 15 05:20:48 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 14 00:15:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	221970	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.62	136	928934	20.00	ng/ul	-0.04
35) Acenaphthene-d10	14.47	164	506707	20.00	ng/ul	-0.03
61) Phenanthrene-d10	17.22	188	992021	20.00	ng/ul	-0.03
75) Chrysene-d12	21.40	240	860360	20.00	ng/ul	-0.04
83) Perylene-d12	23.72	264	903455	20.00	ng/ul	-0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	18935	4.05	ng/uL	-0.02
5) Phenol-d5	6.99	99	489964	27.20	ng/ul	-0.03
7) Bis-(2-Chloroethyl)ether-d	7.15	67	287763	26.64	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.35	132	416203	27.25	ng/ul	-0.03
13) 4-Methylphenol-d8	8.53	113	422522	27.25	ng/ul	-0.04
19) Nitrobenzene-d5	8.99	128	205363	28.97	ng/ul	-0.03
22) 2-Nitrophenol-d4	9.71	143	246338	29.74	ng/ul	-0.03
26) 2,4-Dichlorophenol-d3	10.25	165	457750	28.95	ng/ul	-0.04
29) 4-Chloroaniline-d4	10.77	131	278666	18.83	ng/ul	-0.03
43) Dimethylphthalate-d6	13.88	166	1391176	31.06	ng/ul	-0.02
46) Acenaphthylene-d8	14.17	160	1694357	31.25	ng/ul	-0.03
51) 4-Nitrophenol-d4	14.69	143	155234	23.06	ng/ul	-0.05
57) Fluorene-d10	15.47	176	1113805	30.30	ng/ul	-0.03
62) 4,6-Dinitro-2-methylphenol	15.60	200	177501	26.07	ng/ul	-0.05
70) Anthracene-d10	17.32	188	1520987	31.01	ng/ul	-0.03
76) Pyrene-d10	19.62	212	1519218	34.79	ng/ul	-0.03
87) Benzo(a)pyrene-d12	23.57	264	1402402	32.20	ng/ul	-0.05

Target Compounds

					Ovalue	
6) Phenol	7.02	94	550623	29.575	ng/ul#	86
10) 2-Chlorophenol	7.38	128	449137	28.807	ng/ul	99
14) Acetophenone	8.65	105	100643	4.271	ng/ul	86
15) N-Nitroso-di-n-propylamine	8.63	70	310043	24.549	ng/ul#	69
17) Hexachloroethane	8.92	117	7357	1.118	ng/ul#	1
28) Naphthalene	10.67	128	63842	1.328	ng/ul	99
33) 4-Chloro-3-methylphenol	11.92	107	504293	30.897	ng/ul	96
44) Dimethylphthalate	13.93	163	453789	10.114	ng/ul	99
49) Acenaphthene	14.54	153	1002090	27.947	ng/ul	100
52) 4-Nitrophenol	14.70	109	160091	26.458	ng/ul#	79
54) 2,4-Dinitrotoluene	14.86	165	335202	25.969	ng/ul#	83
68) Pentachlorophenol	16.87	266	219402	29.242	ng/ul	97
69) Phenanthrene	17.26	178	505660	8.960	ng/ul	98
71) Anthracene	17.35	178	111440	1.907	ng/ul	95
74) Fluoranthene	19.28	202	1163412	17.083	ng/ul#	93
77) Pyrene	19.64	202	2966074	52.202	ng/ul#	93
80) Benzo(a)anthracene	21.39	228	618125	11.041	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.29	149	88121	2.322	ng/ul	100
82) Chrysene	21.43	228	626130	11.913	ng/ul	96
85) Benzo(b)fluoranthene	23.02	252	1111057	18.845	ng/ul#	95
86) Benzo(k)fluoranthene	23.02	252	1111277	19.559	ng/ul#	94
88) Benzo(a)pyrene	23.62	252	604523	10.879	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.08	276	449009	7.609	ng/ul#	96

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101317\
Data File : BM012157.D
Acq On : 14 Oct 2017 05:03
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Oct 15 05:20:48 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 00:15:07 2017
Response via : Initial Calibration

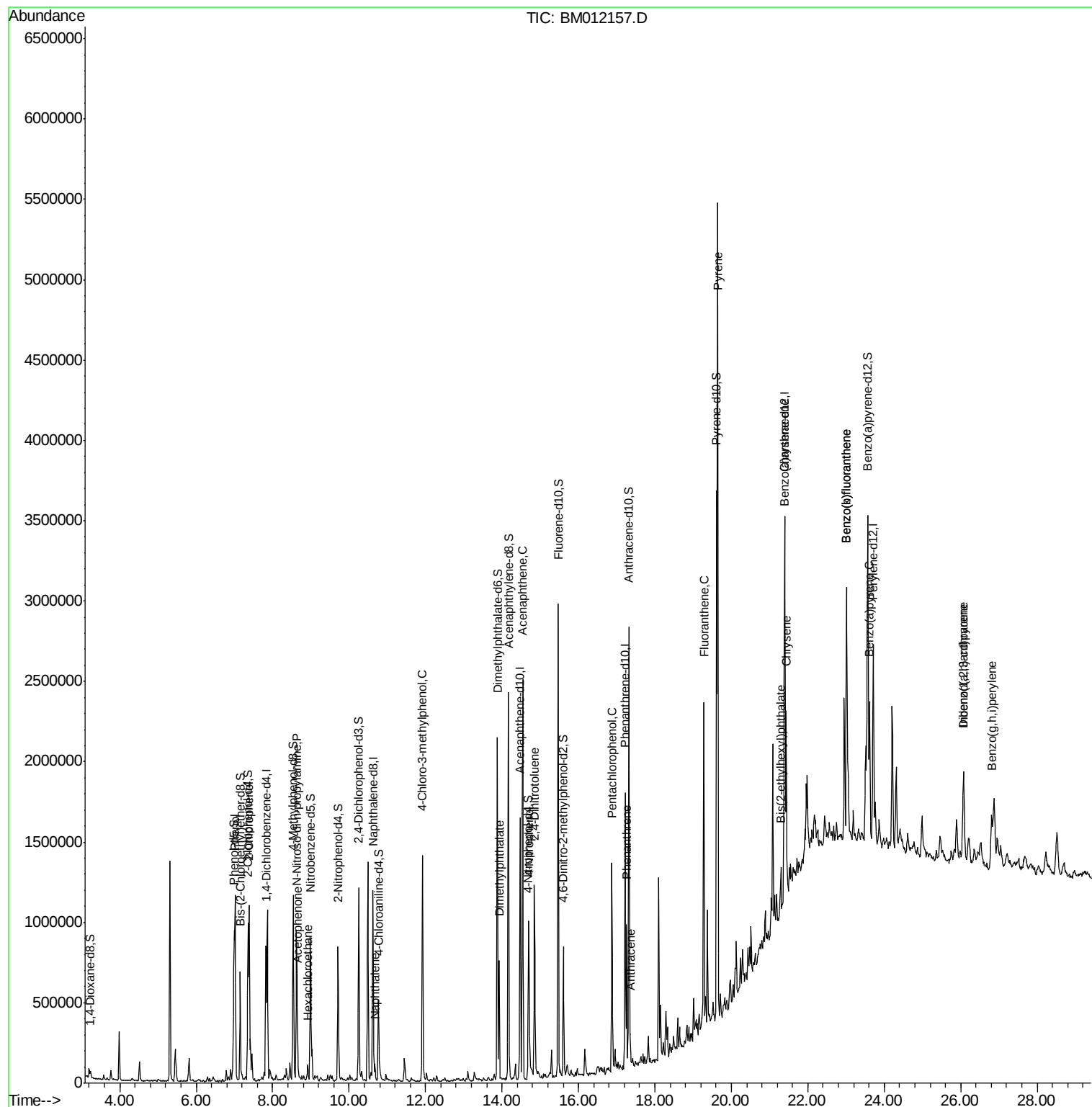
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	26.09	278	114291	2.304	ng/ul#	75
91) Benzo(g,h,i)perylene	26.81	276	396514	8.204	ng/ul#	92

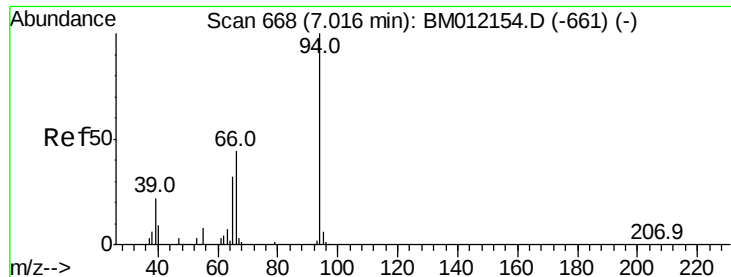
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101317\
Data File : BM012157.D
Acq On : 14 Oct 2017 05:03
Operator : SJ/JU
Sample : I5649-04MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Oct 15 05:20:48 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 00:15:07 2017
Response via : Initial Calibration





#6

Phenol

Concen: 29.575 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. -0.04 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampled :

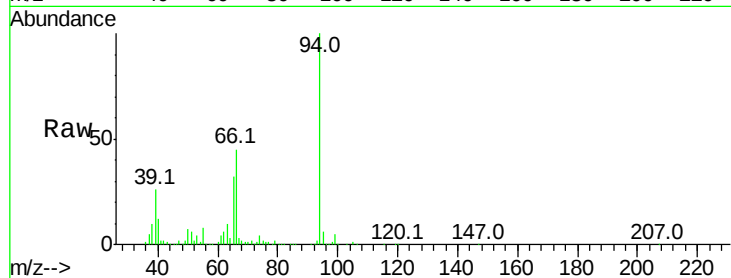
Tot Ion: 94 Resp: 550623

Ion Ratio Lower Upper

94 100

65 32.1 28.2 42.4

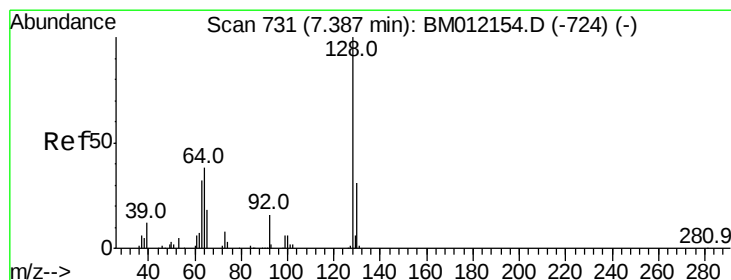
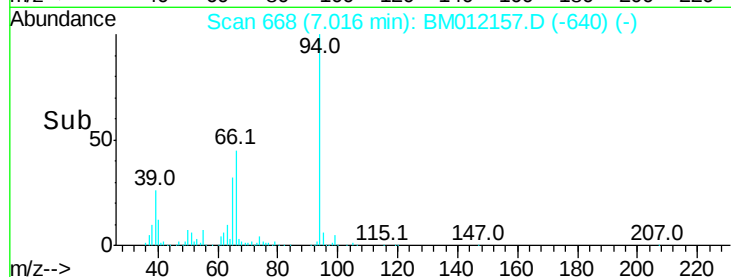
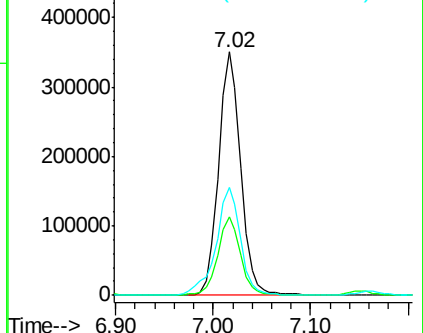
66 44.6 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012157.D (-701) (-)

Ion 65.00 (64.70 to 65.70): BM012157.D (-701) (-)

Ion 66.00 (65.70 to 66.70): BM012157.D (-701) (-)



#10

2-Chlorophenol

Concen: 28.807 ng/ul

RT: 7.38 min Scan# 730

Delta R.T. -0.03 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

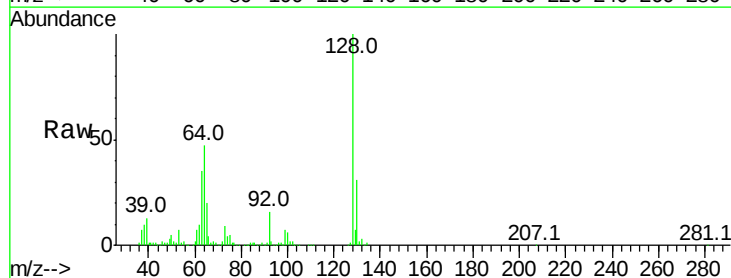
Tgt Ion:128 Resp: 449137

Ion Ratio Lower Upper

128 100

64 46.9 38.0 57.0

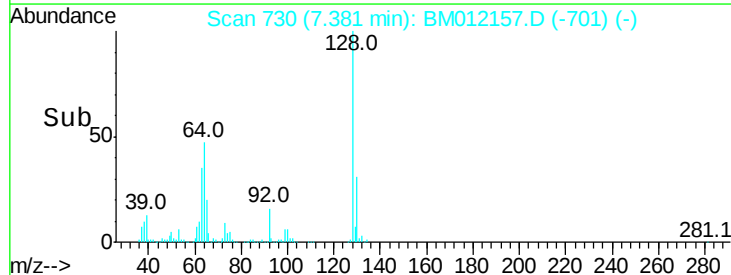
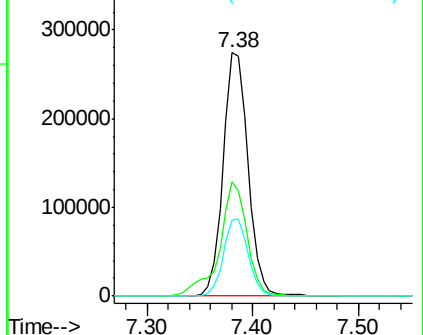
130 30.9 24.4 36.6

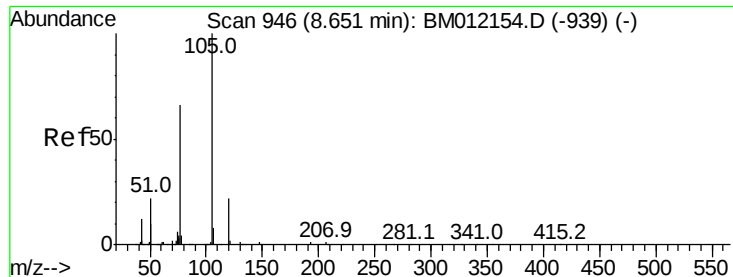


Abundance Ion 128.00 (127.70 to 128.70): BM012157.D (-701) (-)

Ion 64.00 (63.70 to 64.70): BM012157.D (-701) (-)

Ion 130.00 (129.70 to 130.70): BM012157.D (-701) (-)





#14

Acetophenone

Concen: 4.271 ng/ul

RT: 8.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampleId :

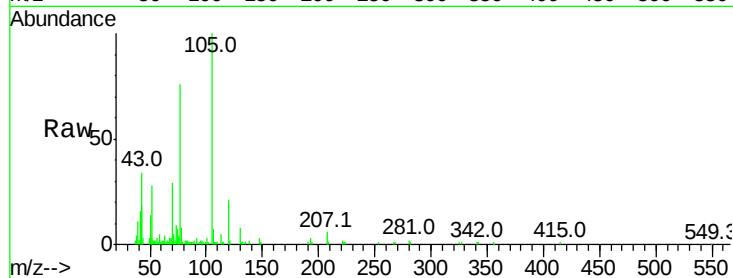
Tot Ion:105 Resp: 100643

Ion Ratio Lower Upper

105 100

77 76.1 74.2 111.4

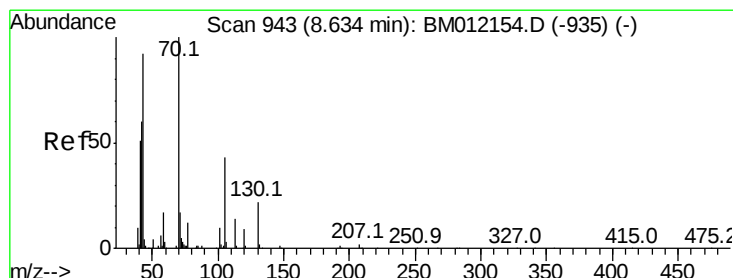
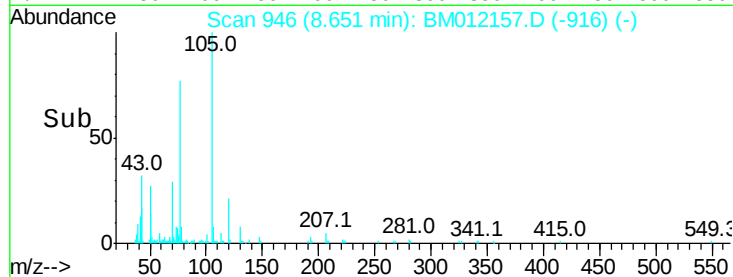
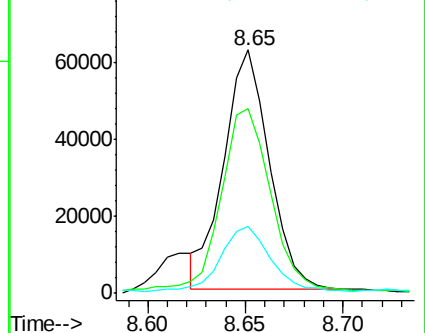
51 27.6 23.4 35.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#15

N-Nitroso-di-n-propylamine

Concen: 24.549 ng/ul

RT: 8.63 min Scan# 942

Delta R.T. -0.03 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Tgt Ion: 70 Resp: 310043

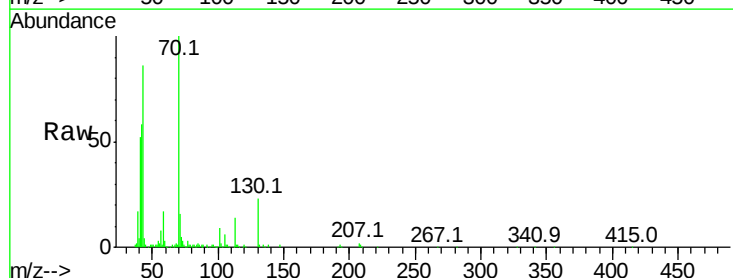
Ion Ratio Lower Upper

70 100

42 58.3 76.0 114.0#

101 9.4 6.7 10.1

130 22.6 14.6 22.0#

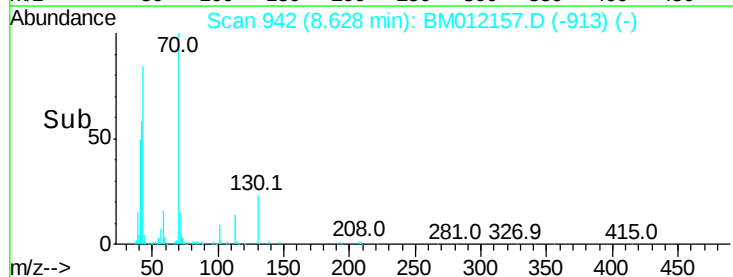
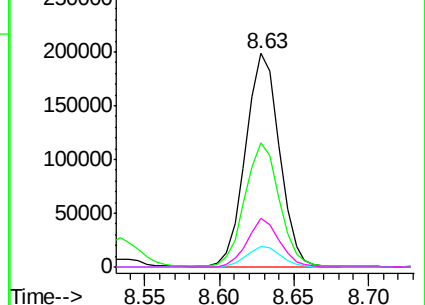


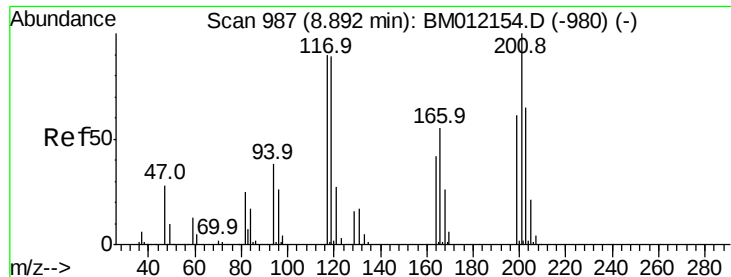
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#17

Hexachloroethane

Concen: 1.118 ng/ul

RT: 8.92 min Scan# 991

Delta R.T. -0.01 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampled :

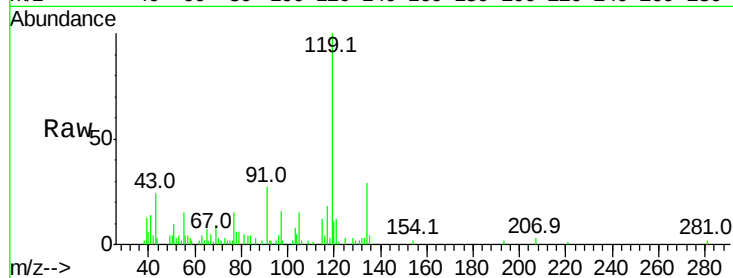
Tot Ion:117 Resp: 7357

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

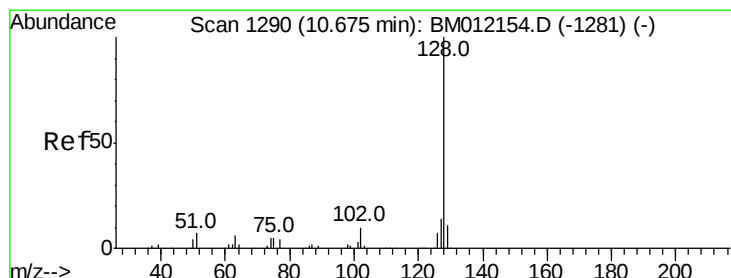
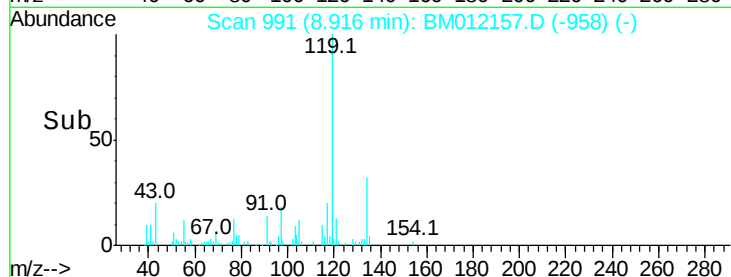
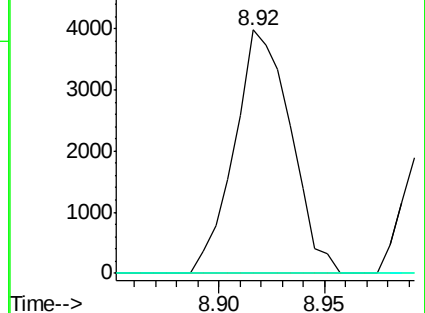
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 1.328 ng/ul

RT: 10.67 min Scan# 1290

Delta R.T. -0.03 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

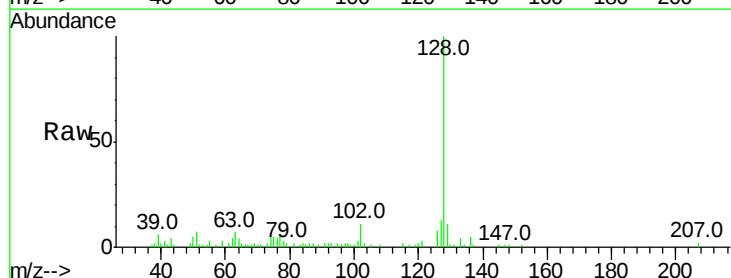
Tgt Ion:128 Resp: 63842

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

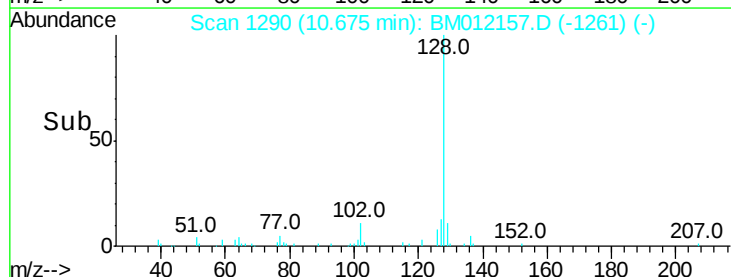
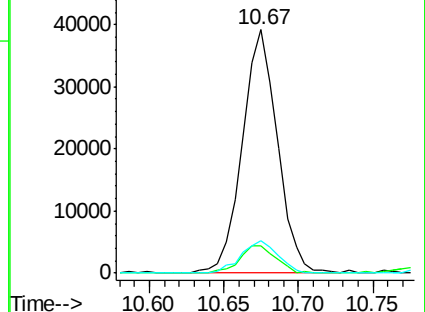
127 13.2 10.6 16.0

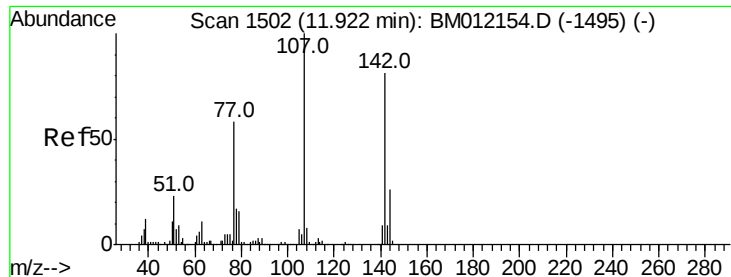


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

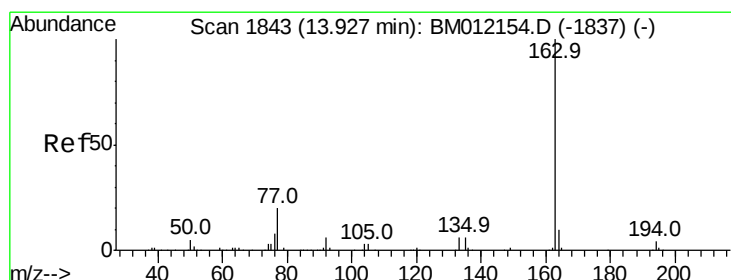
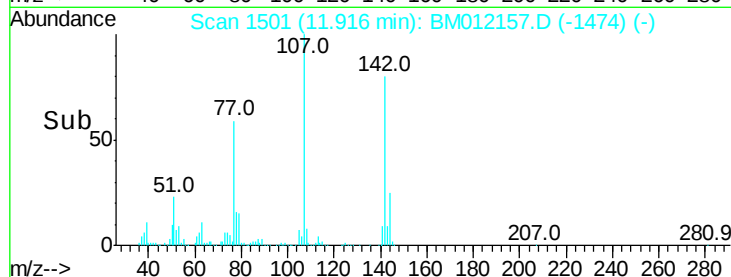
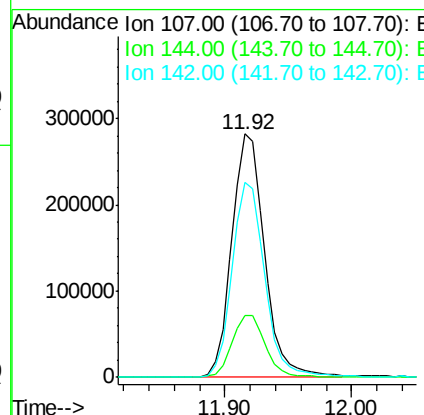
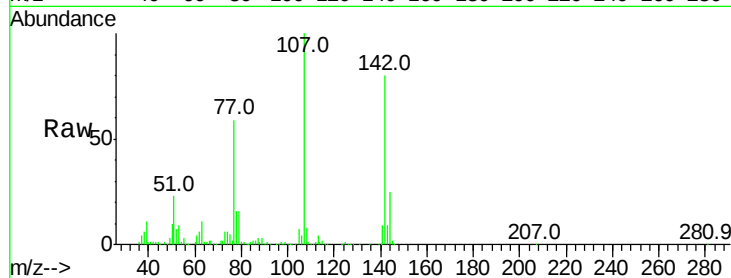




#33
4-Chloro-3-methylphenol
Concen: 30.897 ng/ul
RT: 11.92 min Scan# 1501
Delta R.T. -0.04 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

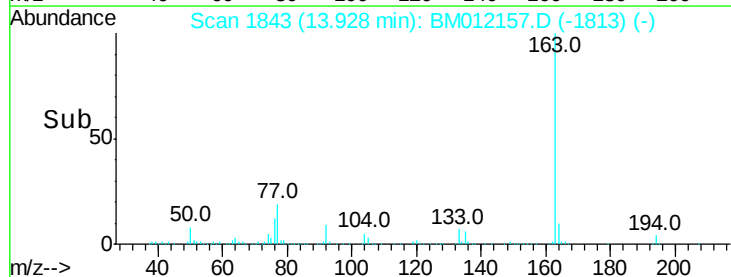
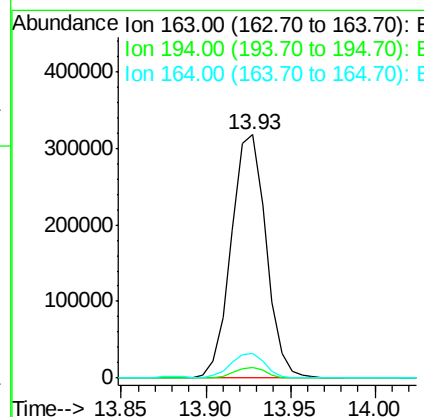
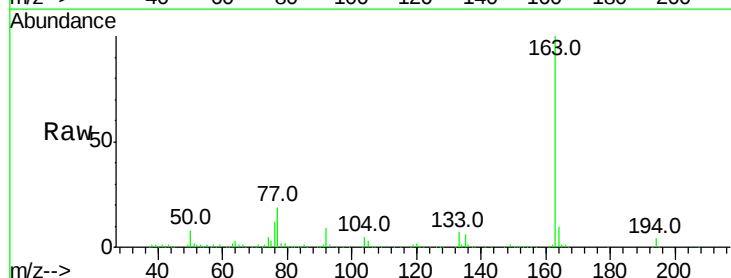
Instrument :
BNA_M
ClientSampleId :

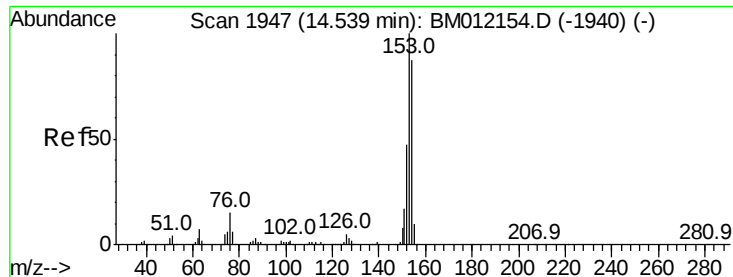
Tot Ion:107 Resp: 504293
Ion Ratio Lower Upper
107 100
144 25.2 20.4 30.6
142 80.0 60.5 90.7



#44
Dimethylphthalate
Concen: 10.114 ng/ul
RT: 13.93 min Scan# 1843
Delta R.T. -0.02 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Tgt Ion:163 Resp: 453789
Ion Ratio Lower Upper
163 100
194 4.3 3.5 5.3
164 10.0 8.2 12.4





#49

Acenaphthene

Concen: 27.947 ng/ul

RT: 14.54 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampled :

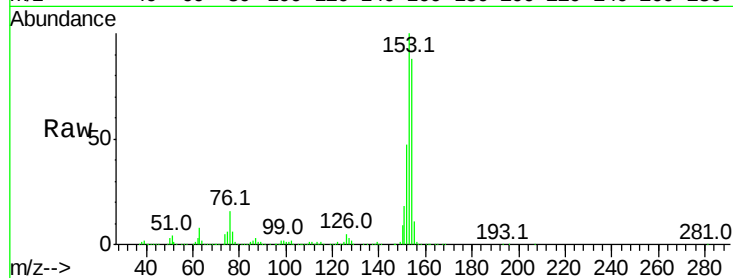
Tot Ion:153 Resp: 1002090

Ion	Ratio	Lower	Upper
153	100		
152	46.8	37.6	56.4
154	88.4	70.4	105.6

153 100

152 46.8 37.6 56.4

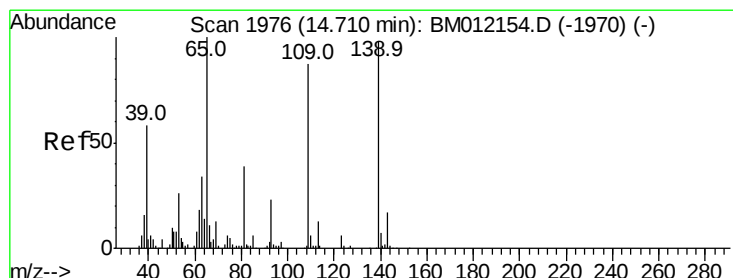
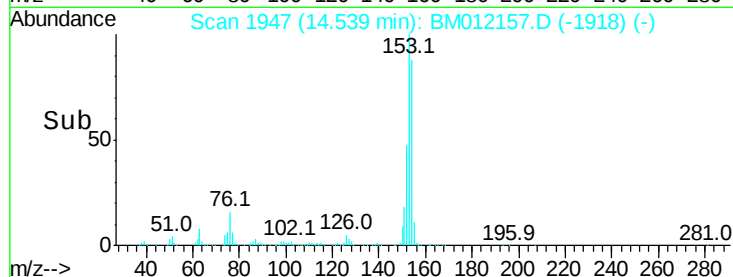
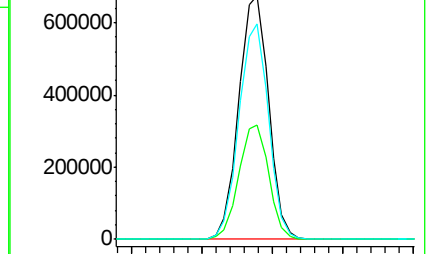
154 88.4 70.4 105.6



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



#52

4-Nitrophenol

Concen: 26.458 ng/ul

RT: 14.70 min Scan# 1975

Delta R.T. -0.05 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

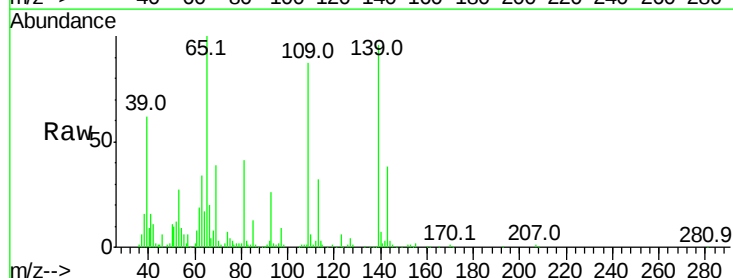
Tgt Ion:109 Resp: 160091

Ion	Ratio	Lower	Upper
109	100		
139	111.0	80.0	120.0
65	115.1	120.0	180.0

109 100

139 111.0 80.0 120.0

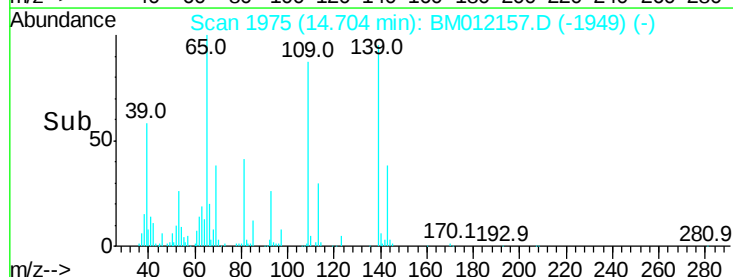
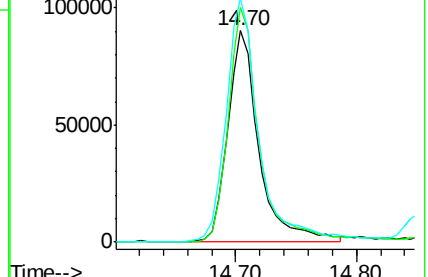
65 115.1 120.0 180.0

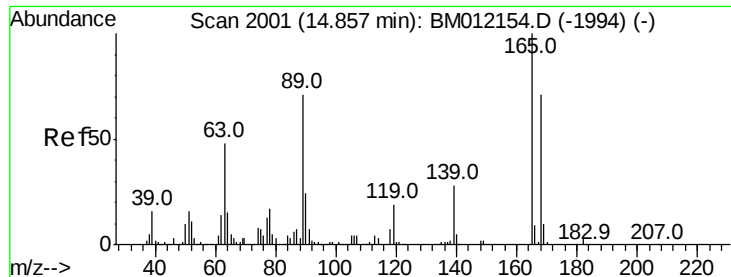


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): E

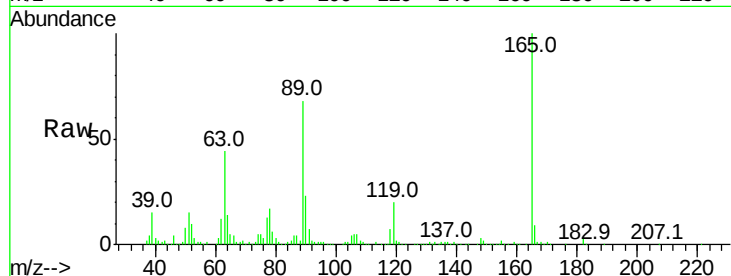




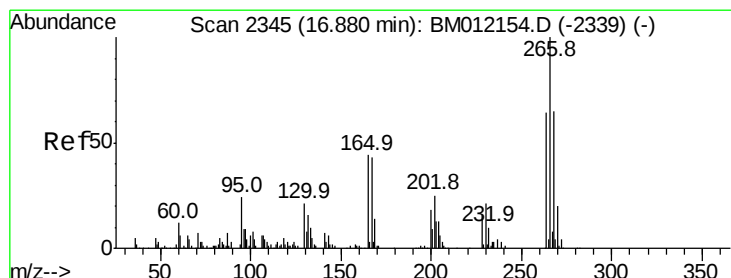
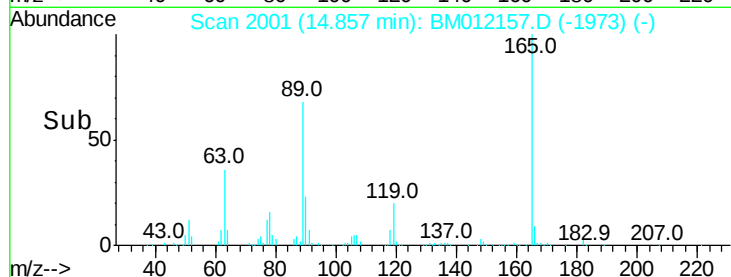
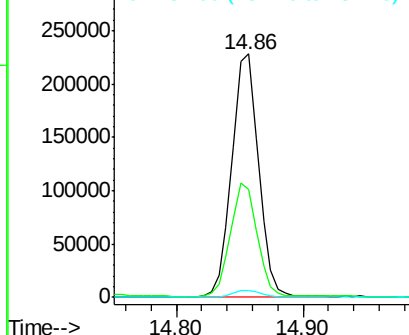
#54
 2,4-Dinitrotoluene
 Concen: 25.969 ng/ul
 RT: 14.86 min Scan# 2001
 Delta R.T. -0.04 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	44.1	45.8	68.8#
182	3.0	2.6	4.0

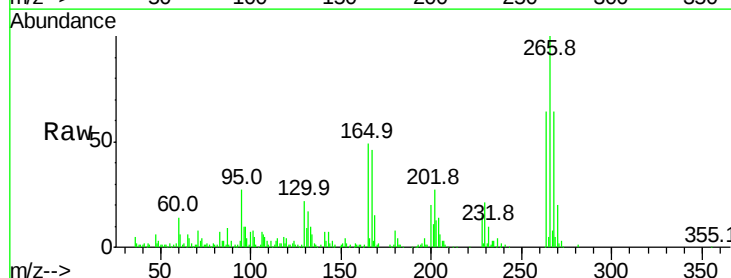


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM0
 Ion 182.00 (181.70 to 182.70): E

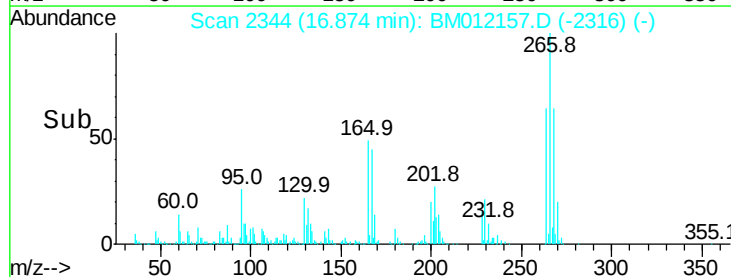
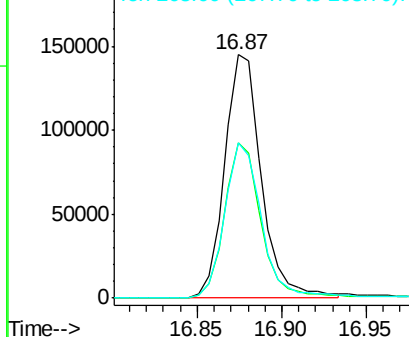


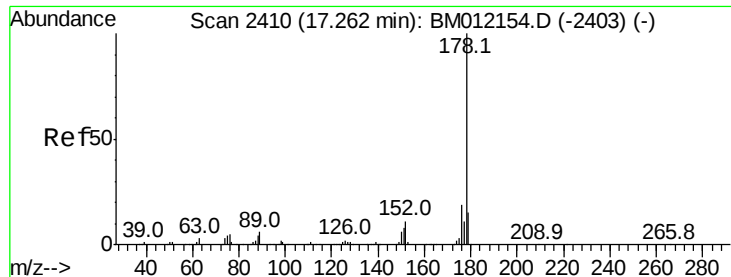
#68
 Pentachlorophenol
 Concen: 29.242 ng/ul
 RT: 16.87 min Scan# 2344
 Delta R.T. -0.04 min
 Lab File: BM012157.D
 Acq: 14 Oct 2017 05:03

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.6	49.3	73.9
268	63.8	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: 8.960 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. -0.04 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

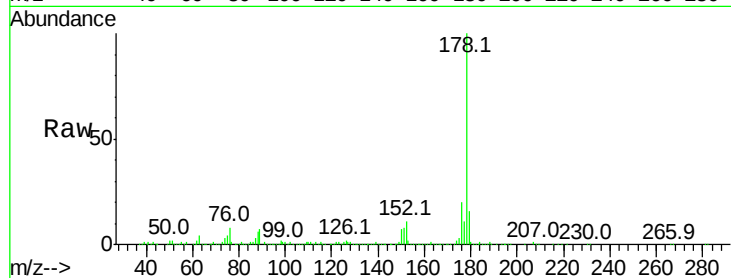
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 505660

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	20.1	14.9	22.3

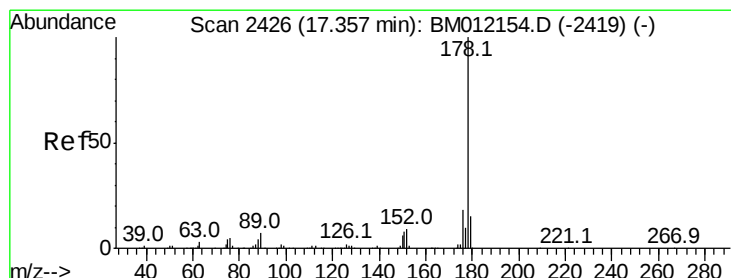
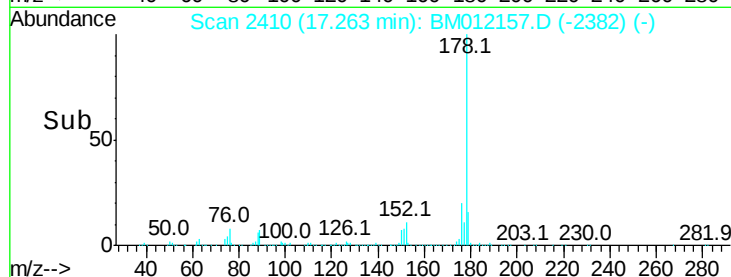
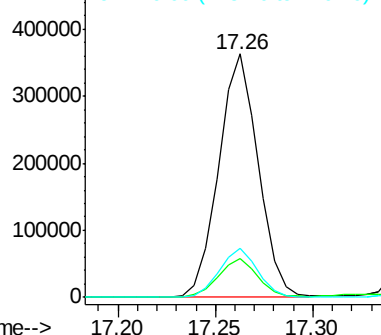


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.907 ng/ul

RT: 17.35 min Scan# 2425

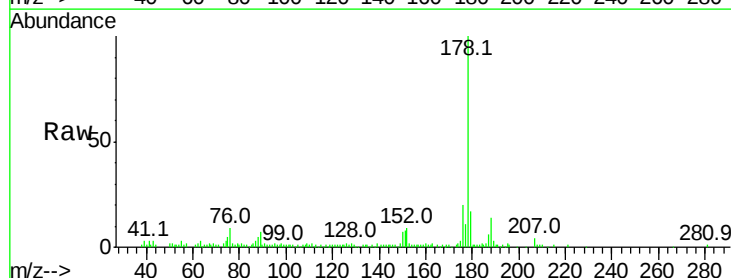
Delta R.T. -0.04 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Tgt Ion:178 Resp: 111440

Ion	Ratio	Lower	Upper
178	100		
179	17.1	11.7	17.5
176	19.9	14.6	21.8

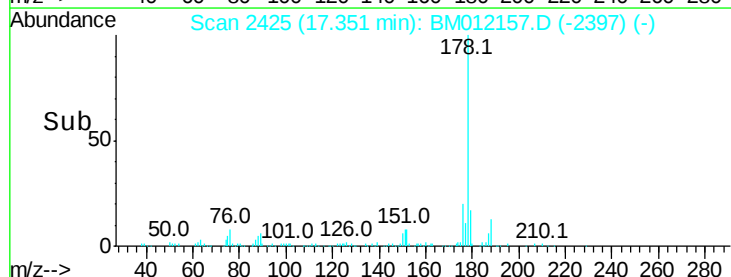
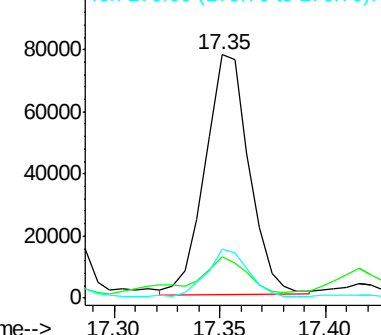


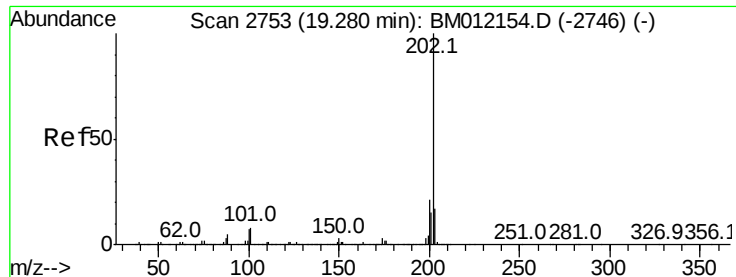
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 17.083 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. -0.03 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampleId :

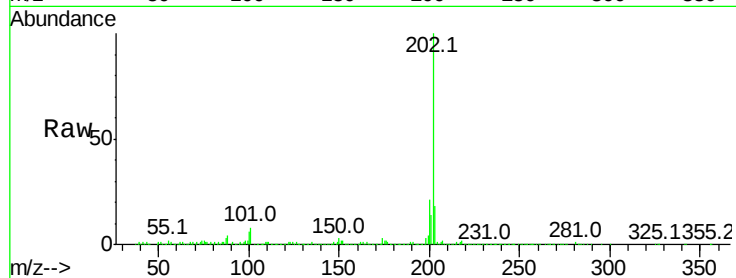
Tot Ion:202 Resp: 1163412

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

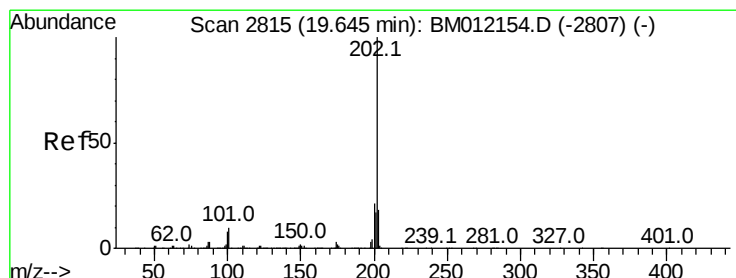
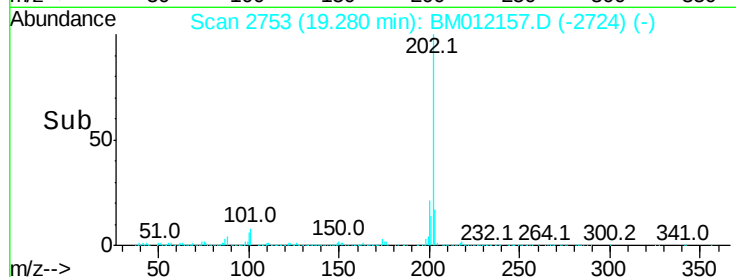
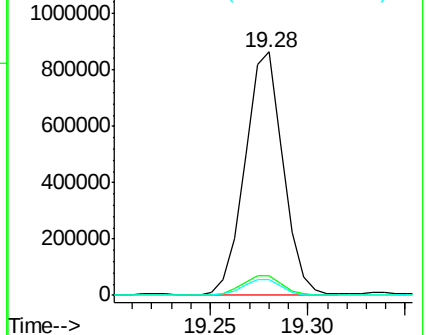
100 6.5 3.4 5.2#



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



#77

Pyrene

Concen: 52.202 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. -0.03 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

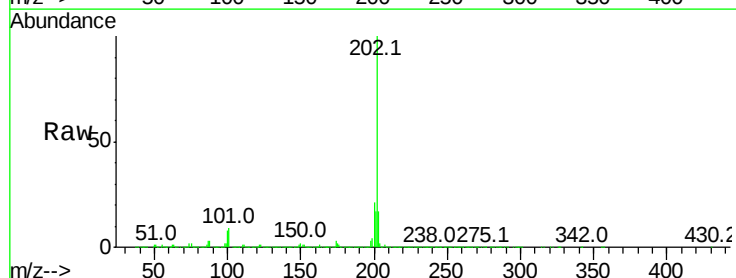
Tgt Ion:202 Resp: 2966074

Ion Ratio Lower Upper

202 100

101 9.4 5.1 7.7#

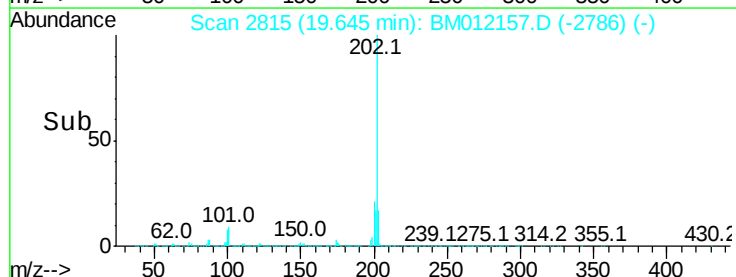
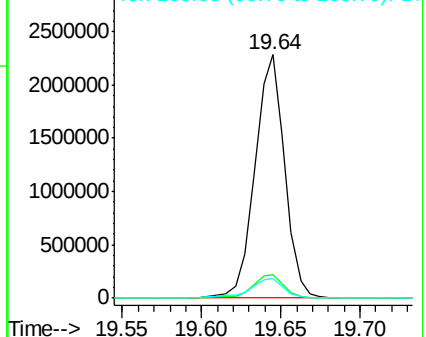
100 8.0 4.9 7.3#

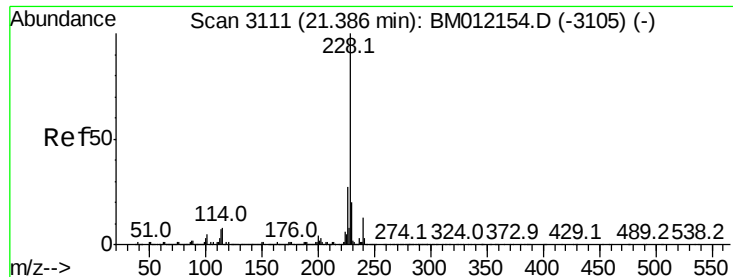


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 11.041 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. -0.03 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampleId :

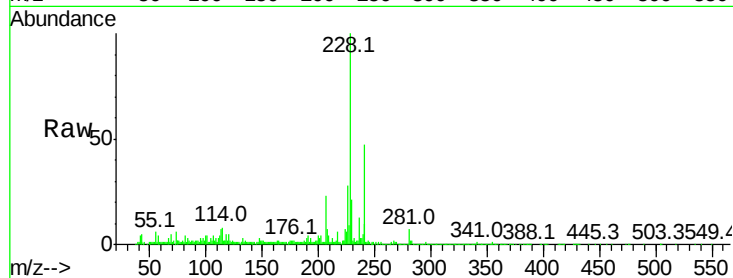
Tot Ion:228 Resp: 618125

Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.4	23.0
226	27.7	21.4	32.0

228 100

229 21.2 15.4 23.0

226 27.7 21.4 32.0

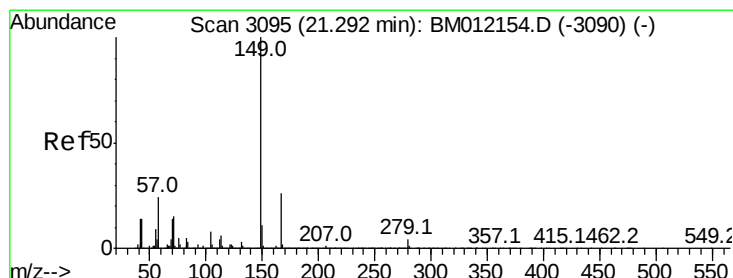
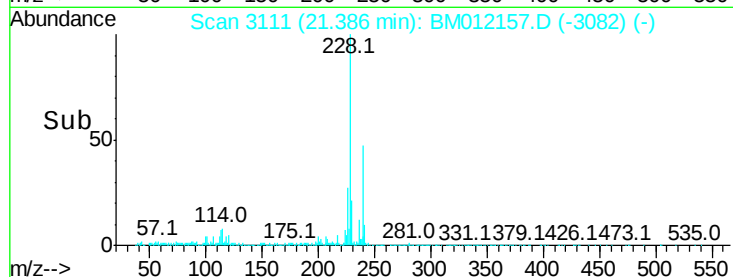
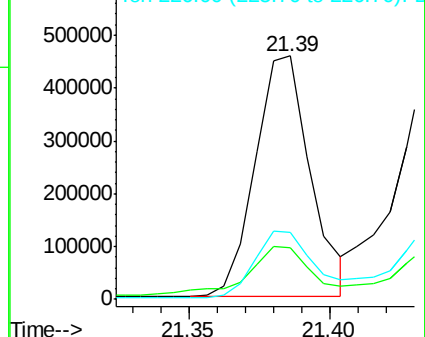


Abundance

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



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.322 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

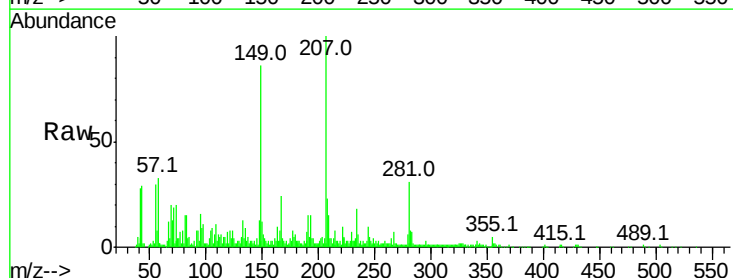
Tgt Ion:149 Resp: 88121

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.8	34.2
279	6.5	4.9	7.3

149 100

167 28.3 22.8 34.2

279 6.5 4.9 7.3

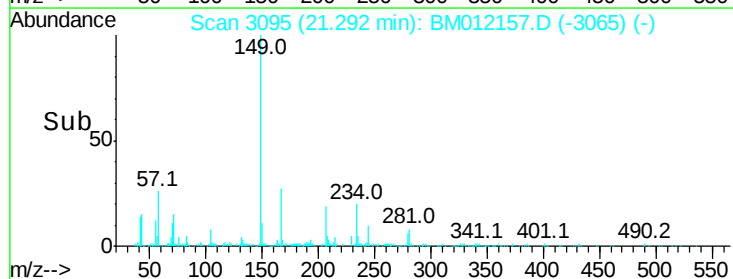
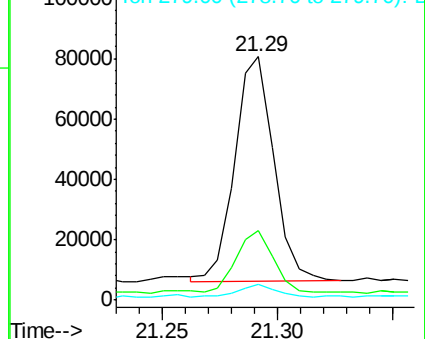


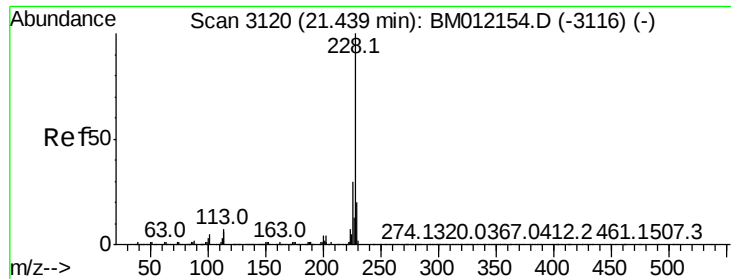
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 11.913 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.04 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

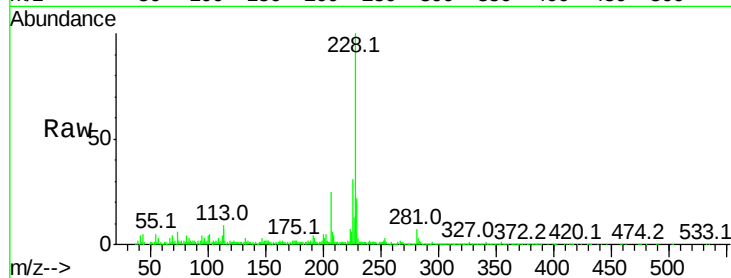
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 626130

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.4	35.2
229	22.0	15.5	23.3

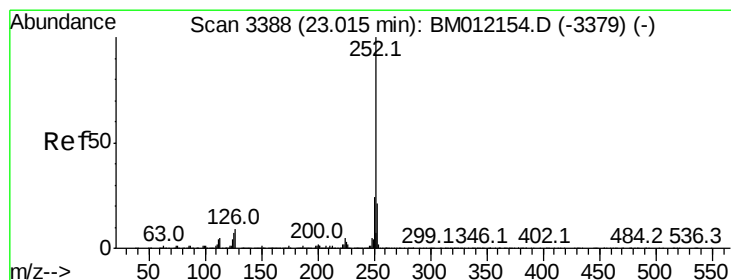
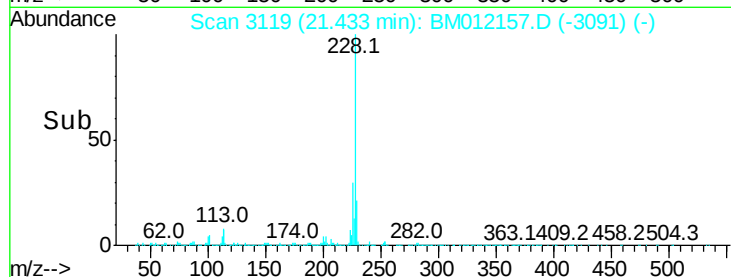
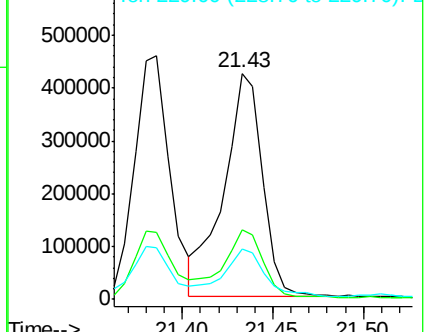


Abundance

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



#85

Benzo(b)fluoranthene

Concen: 18.845 ng/ul

RT: 23.02 min Scan# 3388

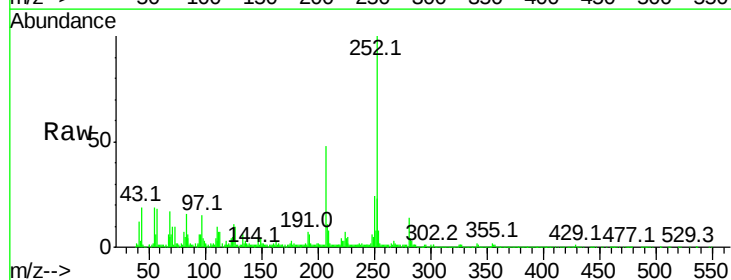
Delta R.T. -0.05 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Tgt Ion:252 Resp: 1111057

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	11.0	3.6	5.4

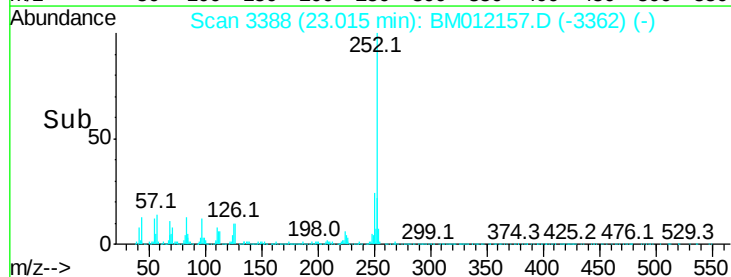
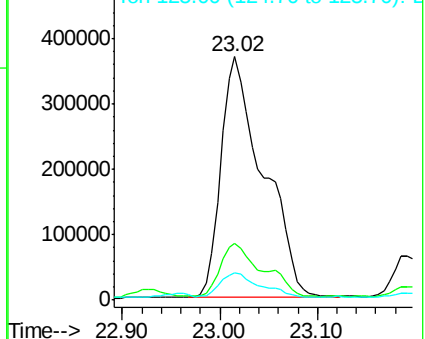


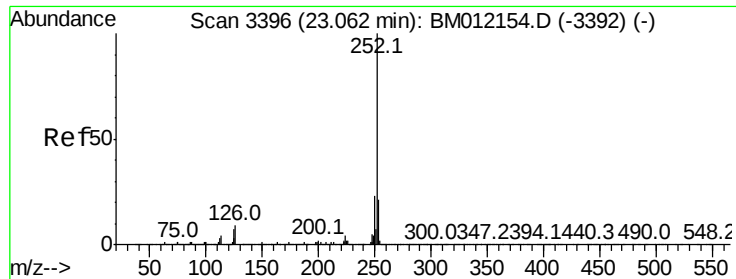
Abundance

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





#86

Benzo(k)fluoranthene

Concen: 19.559 ng/ul

RT: 23.02 min Scan# 3388

Delta R.T. -0.09 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampleId :

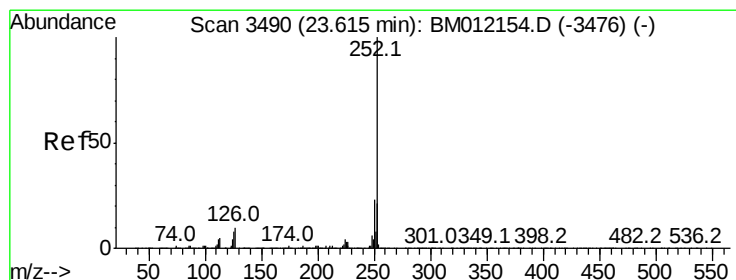
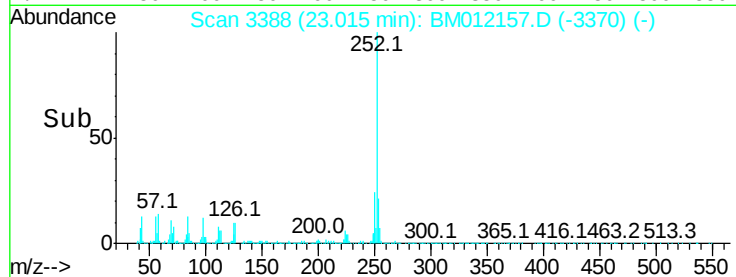
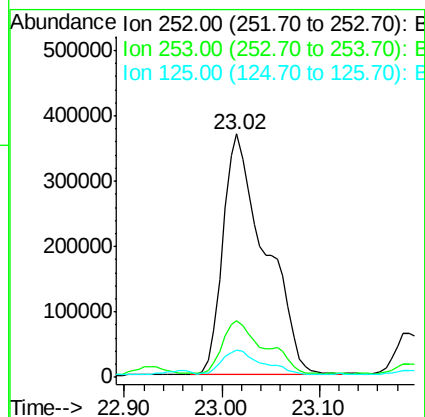
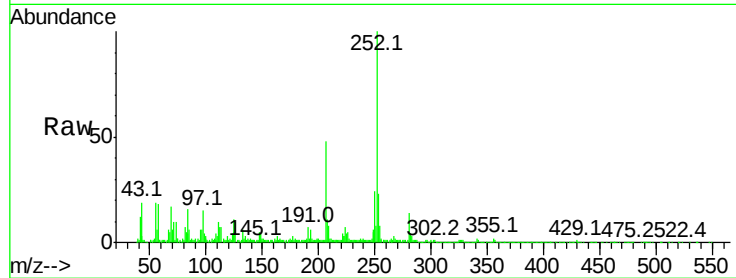
Tot Ion:252 Resp: 1111277

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 11.0 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 10.879 ng/ul

RT: 23.62 min Scan# 3490

Delta R.T. -0.06 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

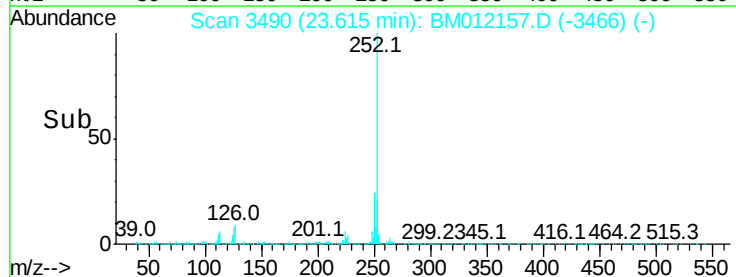
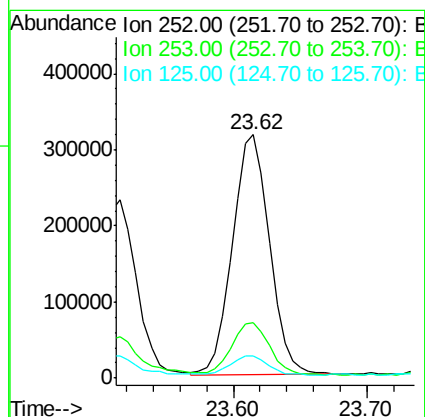
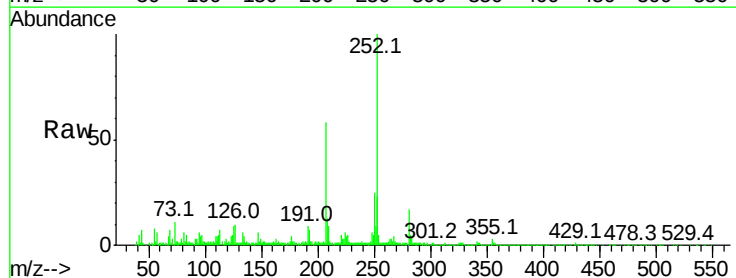
Tgt Ion:252 Resp: 604523

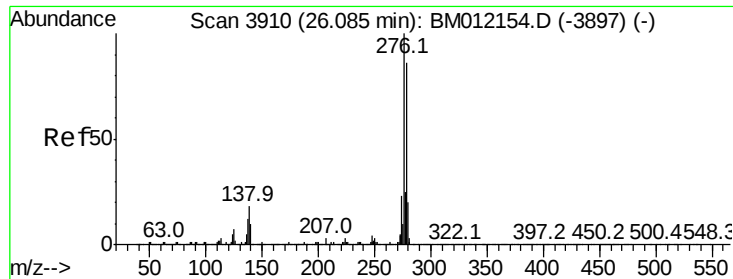
Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

125 8.9 4.0 6.0#



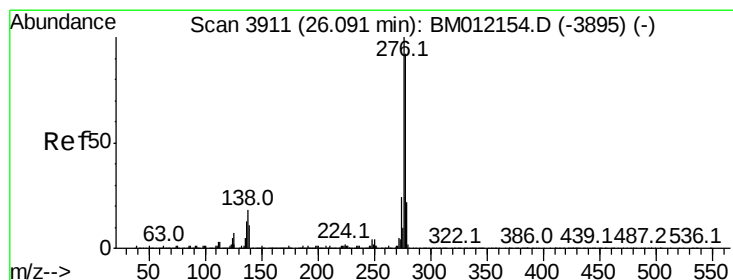
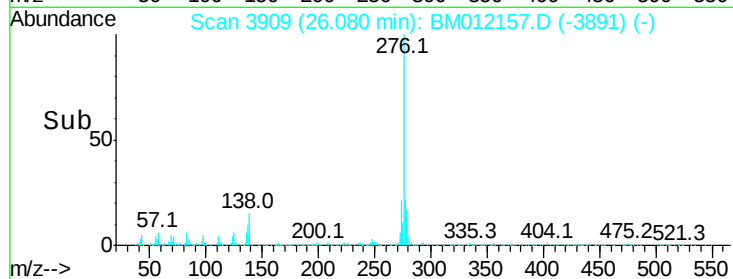
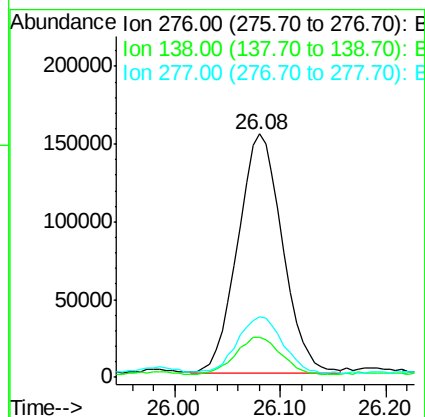
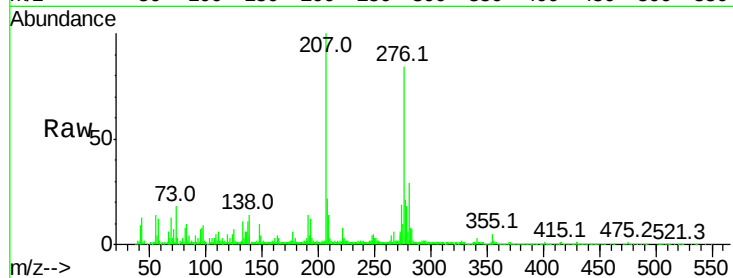


#89

Indeno(1,2,3-cd)pyrene
Concen: 7.609 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. -0.09 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Instrument :
BNA_M
ClientSampleId :

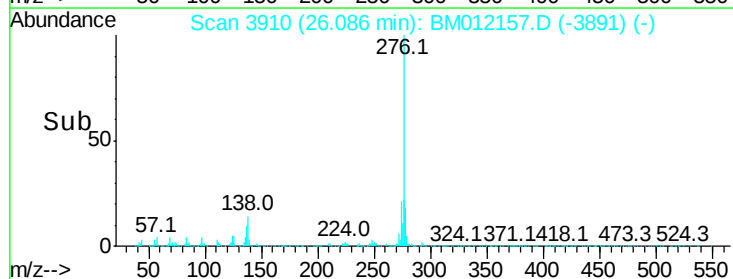
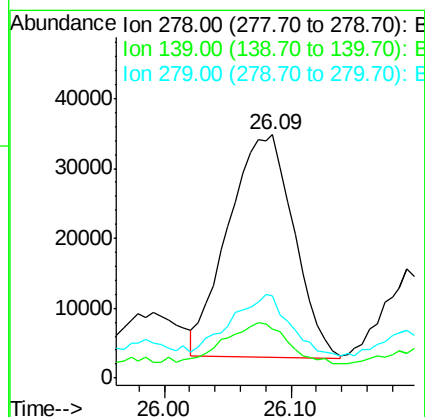
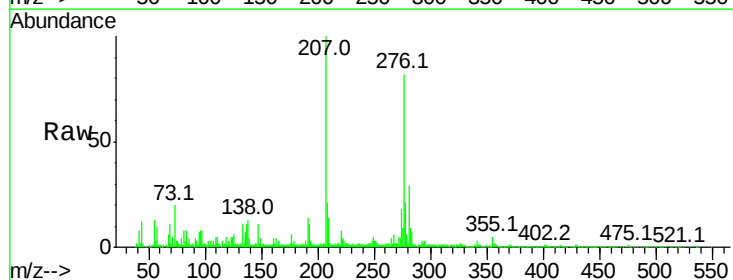
Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	16.3	9.3	13.9#	
277	24.8	19.9	29.9	

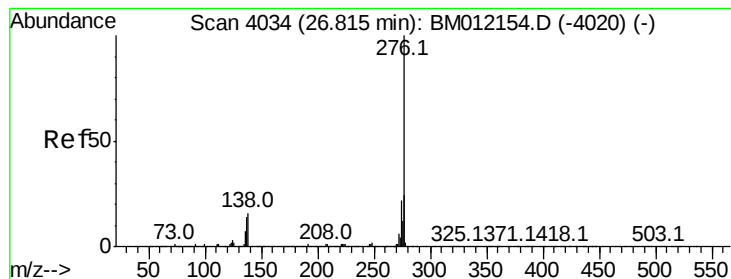


#90

Dibenzo(a,h)anthracene
Concen: 2.304 ng/ul
RT: 26.09 min Scan# 3910
Delta R.T. -0.09 min
Lab File: BM012157.D
Acq: 14 Oct 2017 05:03

Tgt Ion	Ion	Ratio	Lower	Upper
278	100			
139	20.2	5.8	8.8#	
279	33.8	18.6	27.8#	





#91

Benzo(a,h,i)perylene

Concen: 8.204 ng/ul

RT: 26.81 min Scan# 4033

Delta R.T. -0.11 min

Lab File: BM012157.D

Acq: 14 Oct 2017 05:03

Instrument :

BNA_M

ClientSampleId :

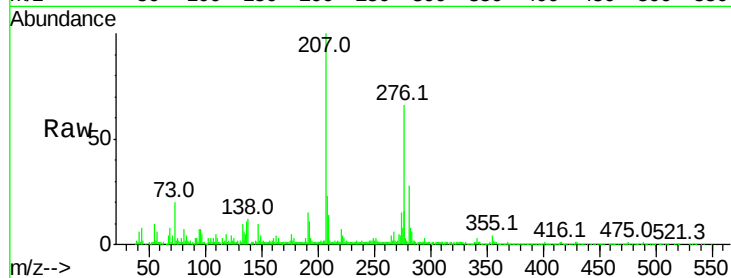
Tot Ion:276 Resp: 396514

Ion Ratio Lower Upper

276 100

138 17.6 8.5 12.7#

277 24.6 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

