

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101317\
 Data File : BM012158.D
 Acq On : 14 Oct 2017 05:39
 Operator : SJ/JU
 Sample : I5649-05MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 15 05:21:03 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	222870	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.62	136	866919	20.00	ng/ul	-0.04
35) Acenaphthene-d10	14.47	164	440951	20.00	ng/ul	-0.03
61) Phenanthrene-d10	17.22	188	885742	20.00	ng/ul	-0.03
75) Chrysene-d12	21.40	240	914549	20.00	ng/ul	-0.04
83) Perylene-d12	23.71	264	1008123	20.00	ng/ul	-0.06

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	19895	4.24	ng/uL	-0.02
5) Phenol-d5	6.99	99	439290	24.29	ng/ul	-0.04
7) Bis-(2-Chloroethyl)ether-d	7.15	67	267401	24.66	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.35	132	387492	25.26	ng/ul	-0.03
13) 4-Methylphenol-d8	8.53	113	371439	23.86	ng/ul	-0.04
19) Nitrobenzene-d5	8.99	128	183074	27.67	ng/ul	-0.03
22) 2-Nitrophenol-d4	9.71	143	215322	27.85	ng/ul	-0.03
26) 2,4-Dichlorophenol-d3	10.25	165	382704	25.93	ng/ul	-0.04
29) 4-Chloroaniline-d4	10.77	131	255036	18.46	ng/ul	-0.03
43) Dimethylphthalate-d6	13.88	166	1124882	28.86	ng/ul	-0.02
46) Acenaphthylene-d8	14.17	160	1379228	29.24	ng/ul	-0.03
51) 4-Nitrophenol-d4	14.69	143	128346	21.91	ng/ul	-0.04
57) Fluorene-d10	15.47	176	911154	28.49	ng/ul	-0.03
62) 4,6-Dinitro-2-methylphenol	15.61	200	138175	22.73	ng/ul	-0.04
70) Anthracene-d10	17.32	188	1275778	29.13	ng/ul	-0.03
76) Pyrene-d10	19.62	212	1404804	30.26	ng/ul	-0.03
87) Benzo(a)pyrene-d12	23.57	264	1457517	29.99	ng/ul	-0.05

Target Compounds

					Ovalue	
6) Phenol	7.02	94	503798	26.951	ng/ul#	84
10) 2-Chlorophenol	7.39	128	410087	26.196	ng/ul	95
14) Acetophenone	8.65	105	91977	3.887	ng/ul	92
15) N-Nitroso-di-n-propylamine	8.63	70	273342	21.556	ng/ul#	69
28) Naphthalene	10.67	128	56617	1.262	ng/ul	99
33) 4-Chloro-3-methylphenol	11.92	107	415522	27.279	ng/ul	97
44) Dimethylphthalate	13.93	163	371987	9.527	ng/ul	99
47) Acenaphthylene	14.20	152	46772	1.010	ng/ul	98
49) Acenaphthene	14.54	153	814773	26.112	ng/ul	99
52) 4-Nitrophenol	14.70	109	130510	24.786	ng/ul#	81
54) 2,4-Dinitrotoluene	14.85	165	267836	23.844	ng/ul#	88
68) Pentachlorophenol	16.87	266	185714	27.722	ng/ul	98
69) Phenanthrene	17.26	178	426275	8.460	ng/ul	99
71) Anthracene	17.35	178	103593	1.986	ng/ul	95
74) Fluoranthene	19.28	202	1057757	17.395	ng/ul#	93
77) Pyrene	19.64	202	2745100	45.450	ng/ul#	92
80) Benzo(a)anthracene	21.39	228	624012	10.486	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.29	149	84951	2.106	ng/ul	96
82) Chrysene	21.43	228	664038	11.885	ng/ul	97
85) Benzo(b)fluoranthene	23.01	252	868960	13.208	ng/ul#	94
86) Benzo(k)fluoranthene	23.01	252	868960	13.706	ng/ul#	92
88) Benzo(a)pyrene	23.61	252	633929	10.224	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.08	276	462075	7.017	ng/ul#	96

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Response via : Initial Calibration

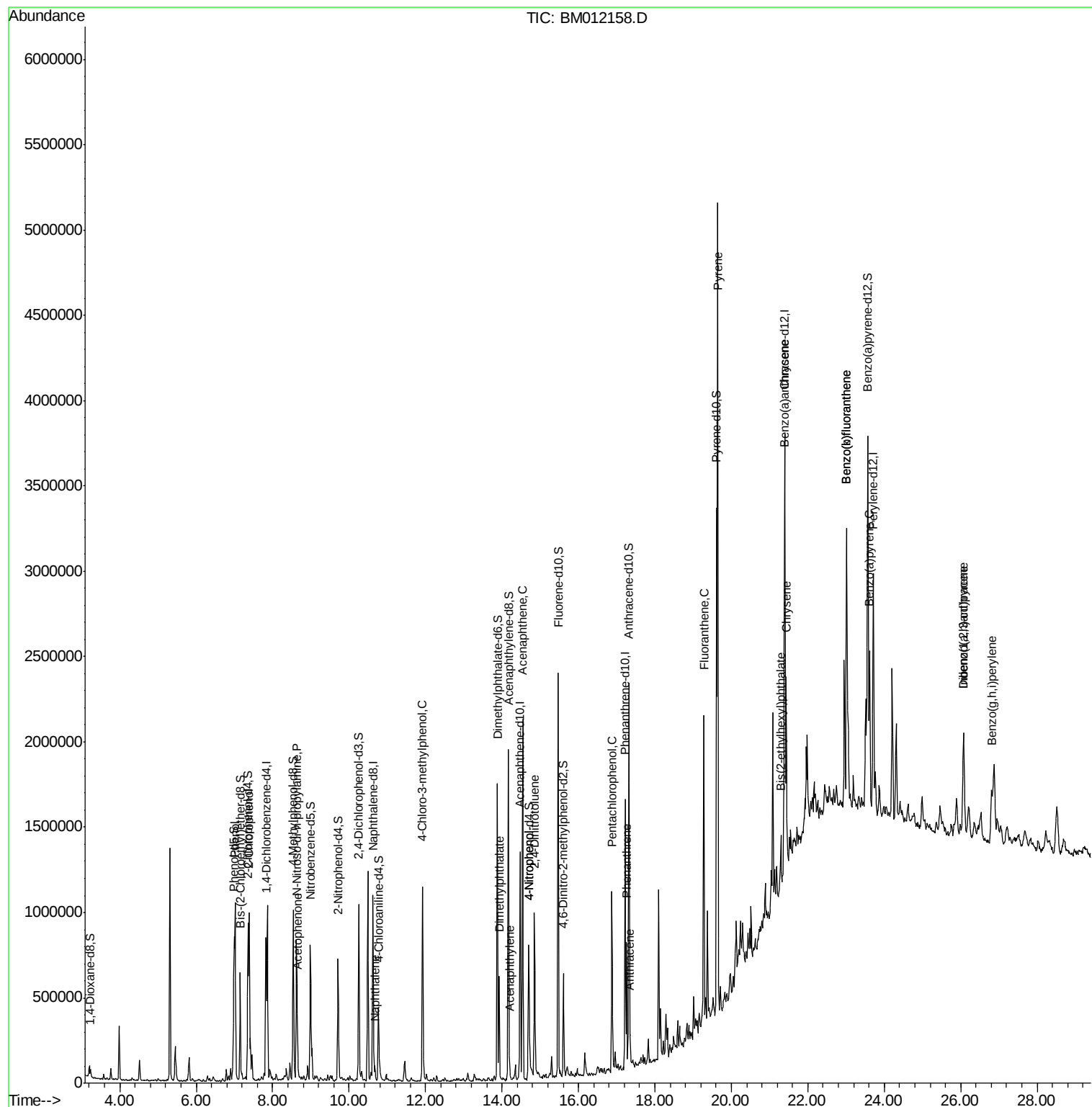
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	26.08	278	115109	2.080	ng/ul#	76
91) Benzo(g,h,i)perylene	26.81	276	414286	7.682	ng/ul#	94

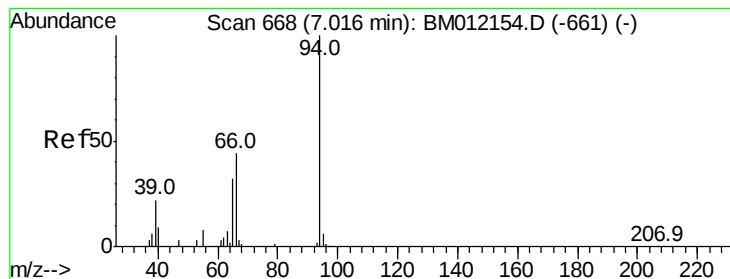
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 14 00:15:07 2017
Response via : Initial Calibration





#6

Phenol

Concen: 26.951 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. -0.04 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

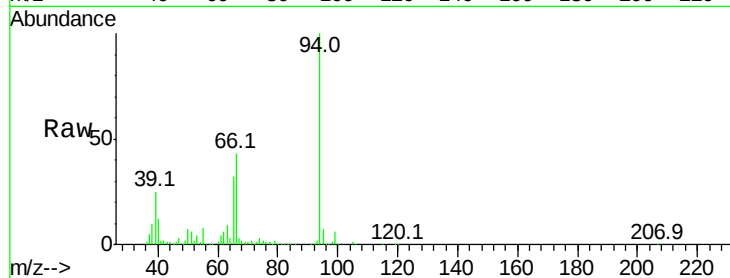
Tot Ion: 94 Resp: 503798

Ion Ratio Lower Upper

94 100

65 31.7 28.2 42.4

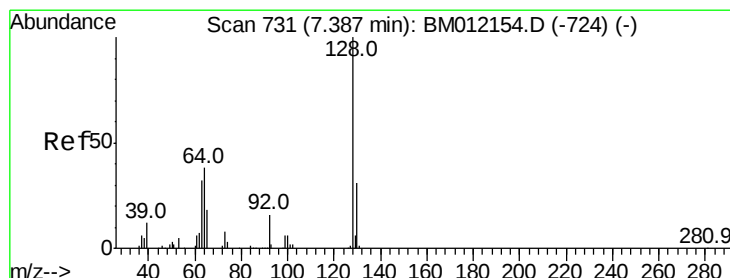
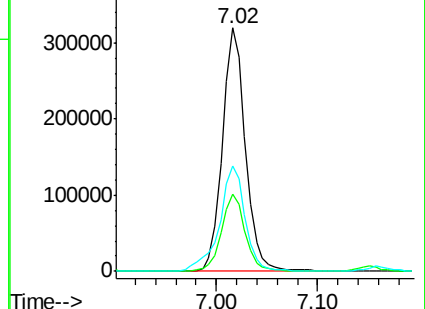
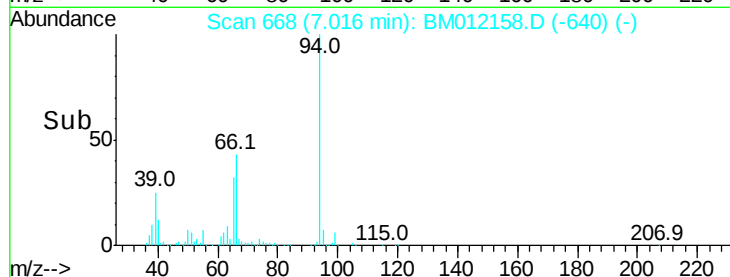
66 43.1 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012158.D (-640) (-)

Ion 65.00 (64.70 to 65.70): BM012158.D (-640) (-)

Ion 66.00 (65.70 to 66.70): BM012158.D (-640) (-)



#10

2-Chlorophenol

Concen: 26.196 ng/ul

RT: 7.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

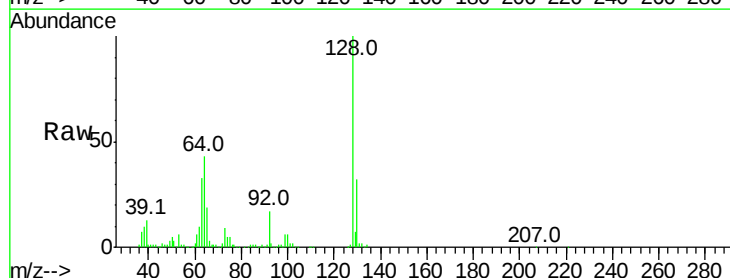
Tgt Ion:128 Resp: 410087

Ion Ratio Lower Upper

128 100

64 43.4 38.0 57.0

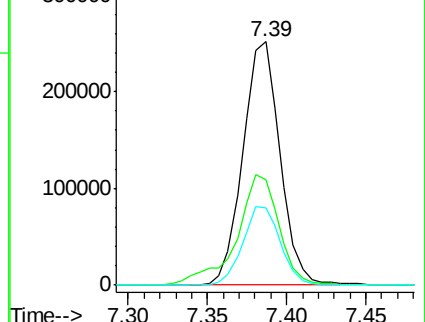
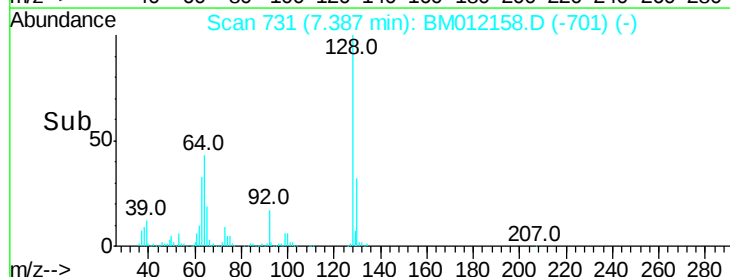
130 31.9 24.4 36.6

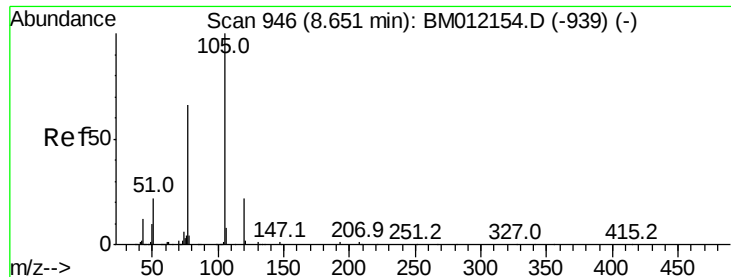


Abundance Ion 128.00 (127.70 to 128.70): BM012158.D (-701) (-)

Ion 64.00 (63.70 to 64.70): BM012158.D (-701) (-)

Ion 130.00 (129.70 to 130.70): BM012158.D (-701) (-)





#14

Acetophenone

Concen: 3.887 ng/ul

RT: 8.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

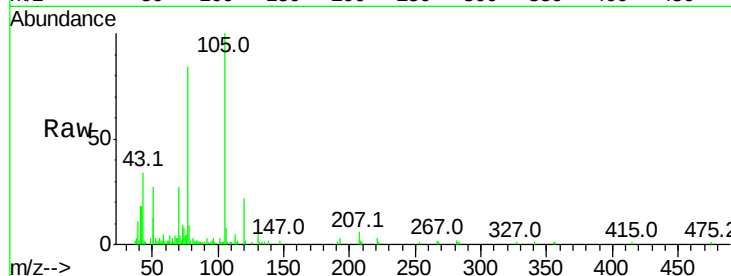
Tot Ion:105 Resp: 91977

Ion Ratio Lower Upper

105 100

77 83.7 74.2 111.4

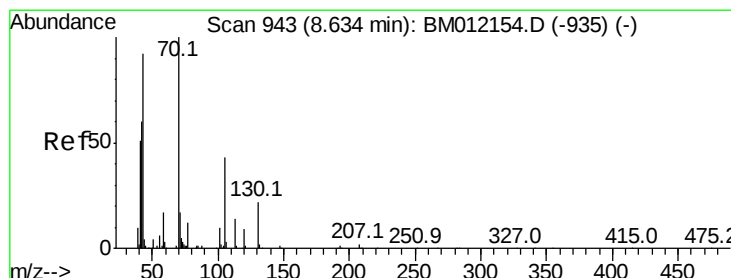
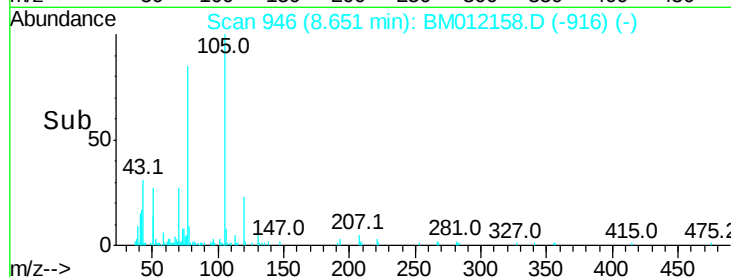
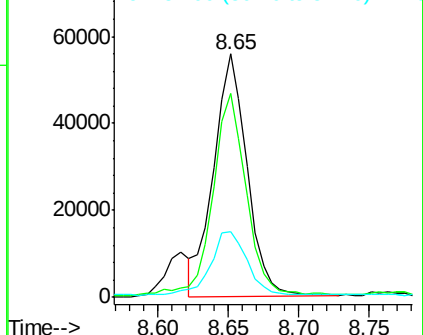
51 27.1 23.4 35.2



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: 21.556 ng/ul

RT: 8.63 min Scan# 942

Delta R.T. -0.03 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Tgt Ion: 70 Resp: 273342

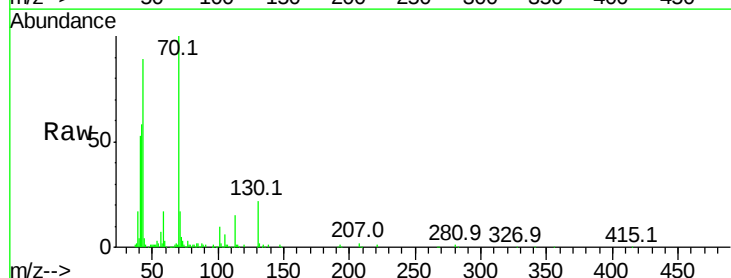
Ion Ratio Lower Upper

70 100

42 58.5 76.0 114.0#

101 9.8 6.7 10.1

130 21.7 14.6 22.0

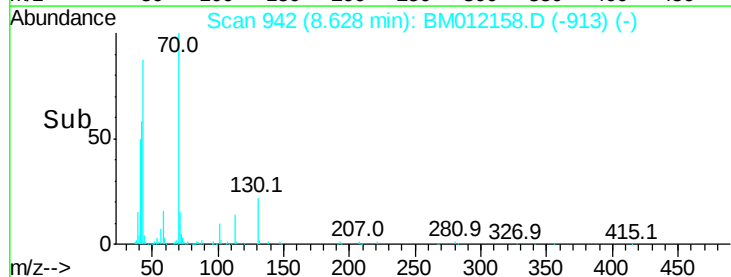
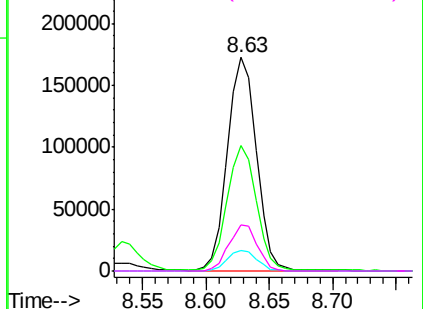


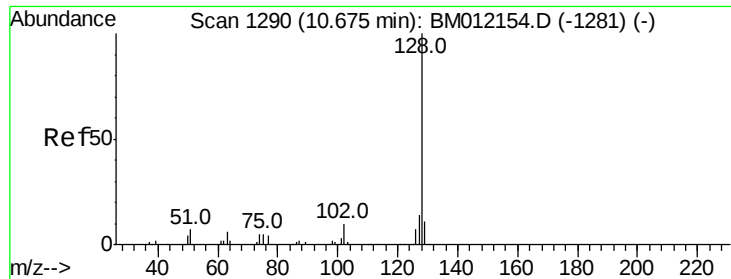
Abundance Ion 70.00 (69.70 to 70.70): BM0

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

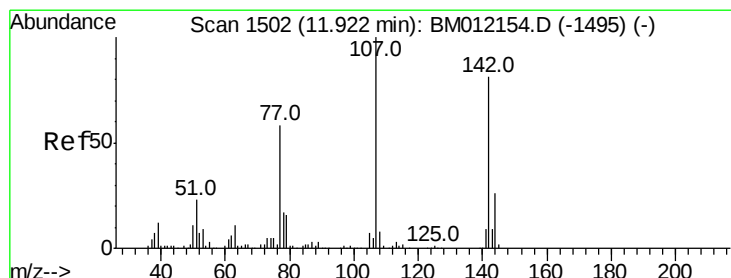
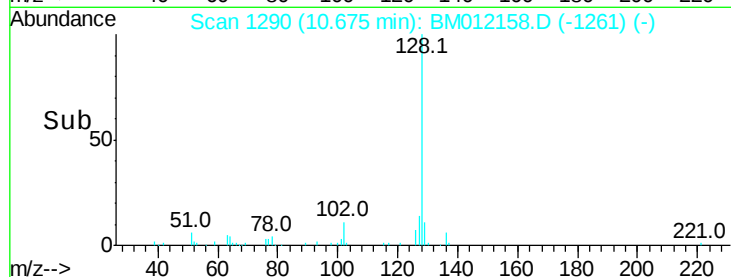
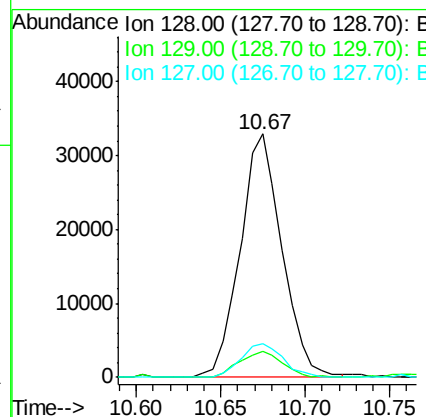
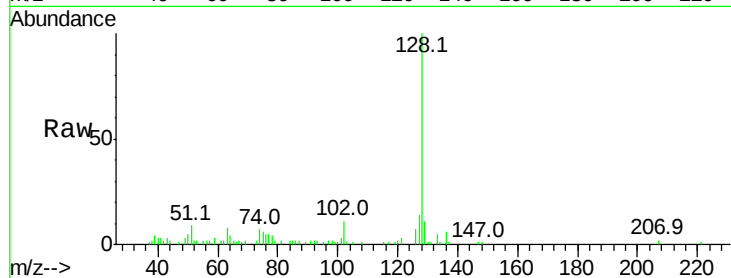




#28
Naphthalene
Concen: 1.262 ng/ul
RT: 10.67 min Scan# 1290
Delta R.T. -0.03 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

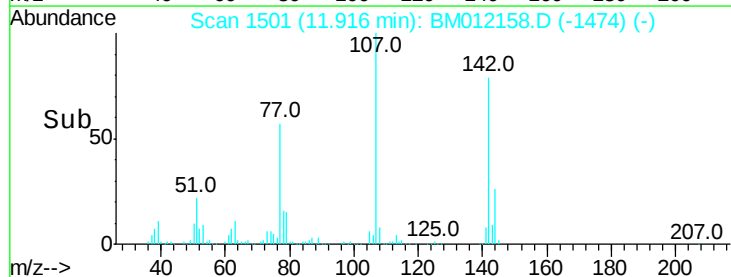
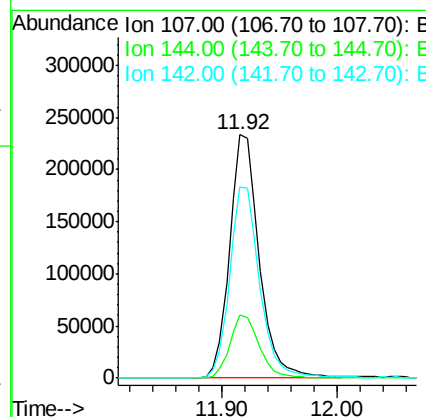
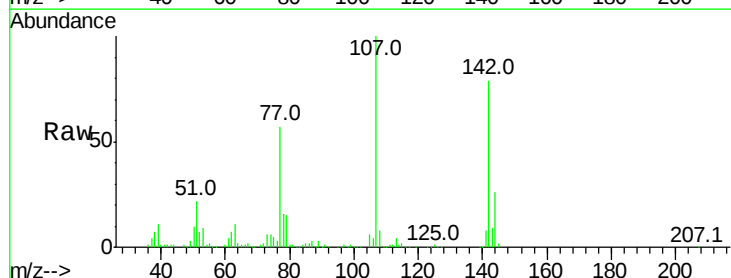
Instrument :
BNA_M
ClientSampleId :

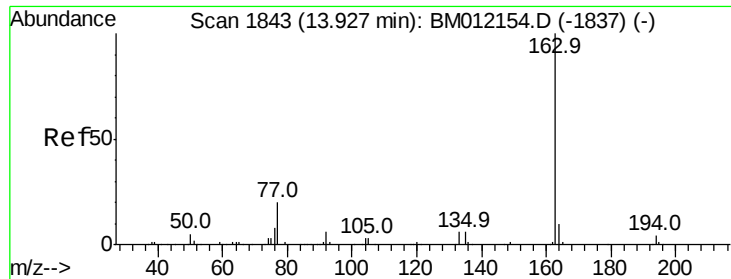
Tot Ion:128 Resp: 56617
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.9 10.6 16.0



#33
4-Chloro-3-methylphenol
Concen: 27.279 ng/ul
RT: 11.92 min Scan# 1501
Delta R.T. -0.04 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion:107 Resp: 415522
Ion Ratio Lower Upper
107 100
144 26.1 20.4 30.6
142 78.6 60.5 90.7





#44

Dimethylphthalate

Concen: 9.527 ng/ul

RT: 13.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

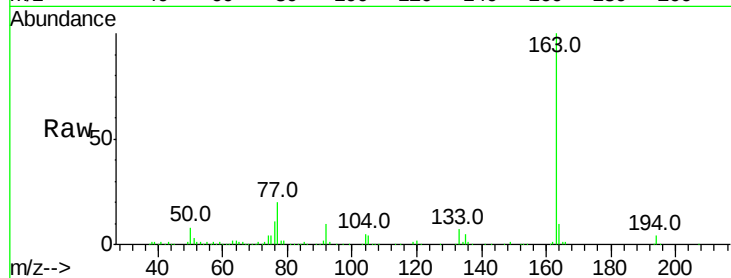
Tot Ion:163 Resp: 371987

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

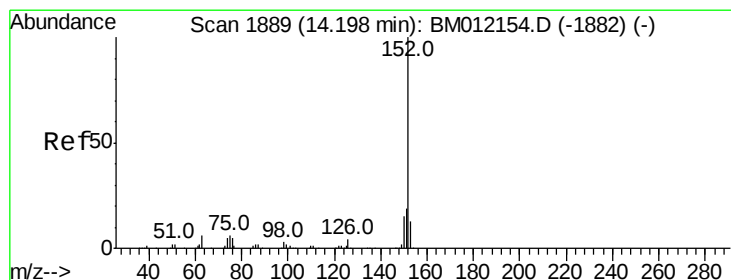
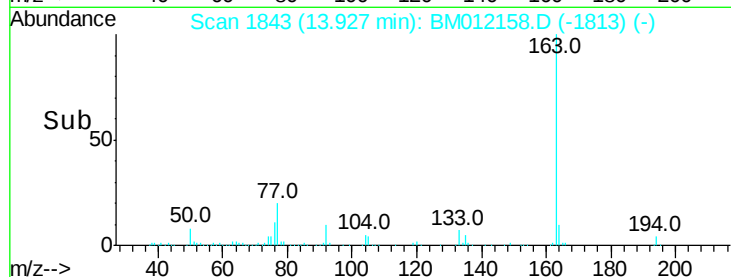
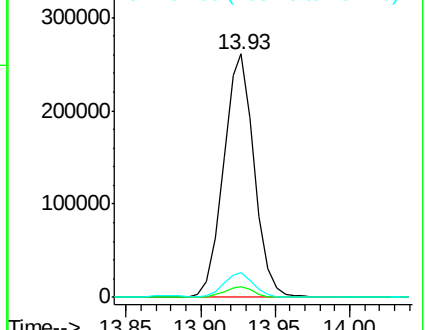
164 10.0 8.2 12.4



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: 1.010 ng/ul

RT: 14.20 min Scan# 1889

Delta R.T. -0.03 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

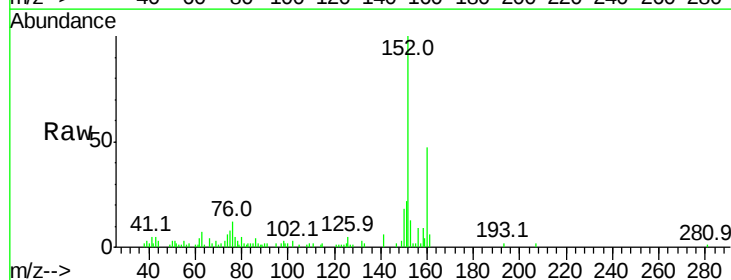
Tgt Ion:152 Resp: 46772

Ion Ratio Lower Upper

152 100

151 21.7 16.3 24.5

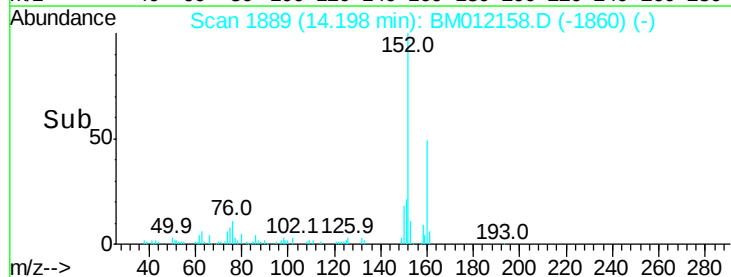
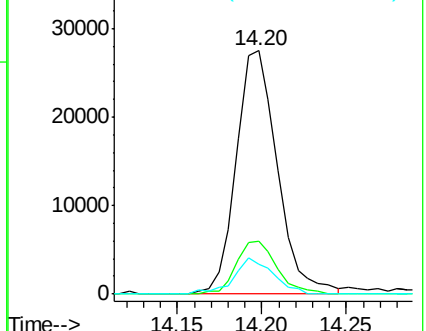
153 12.5 10.2 15.4

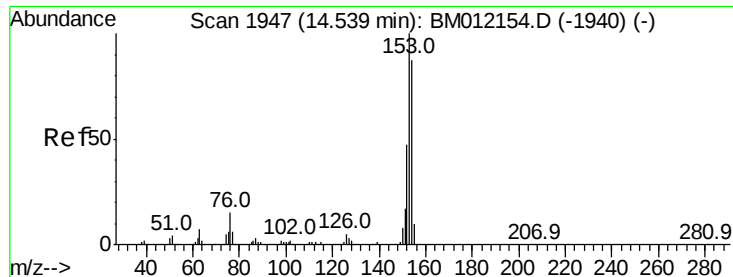


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 26.112 ng/ul

RT: 14.54 min Scan# 1947

Delta R.T. -0.03 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

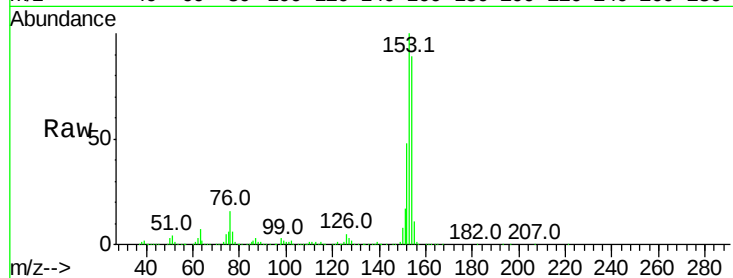
Tot Ion:153 Resp: 814773

Ion Ratio Lower Upper

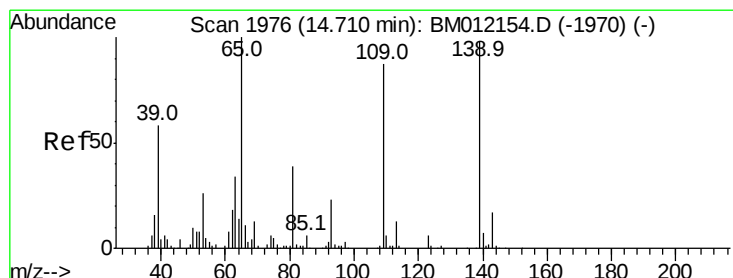
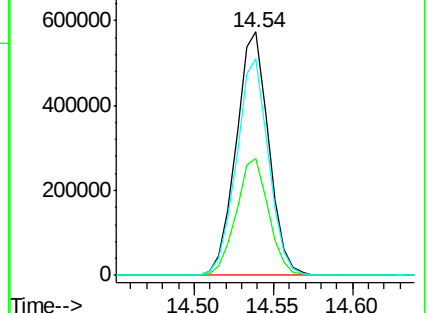
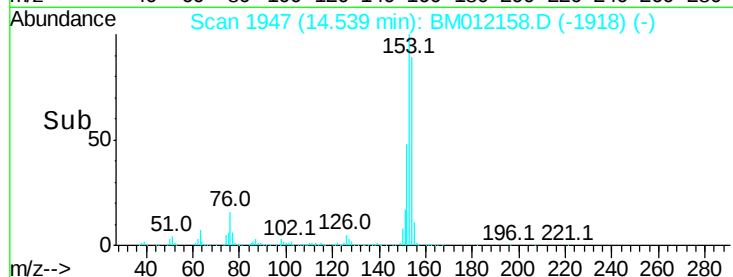
153 100

152 48.0 37.6 56.4

154 88.9 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: 24.786 ng/ul

RT: 14.70 min Scan# 1975

Delta R.T. -0.05 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

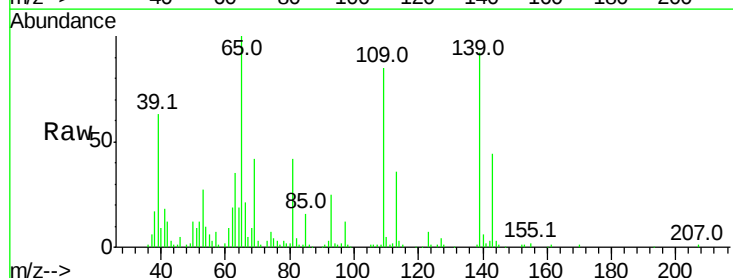
Tgt Ion:109 Resp: 130510

Ion Ratio Lower Upper

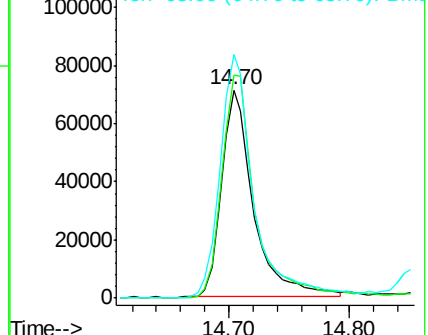
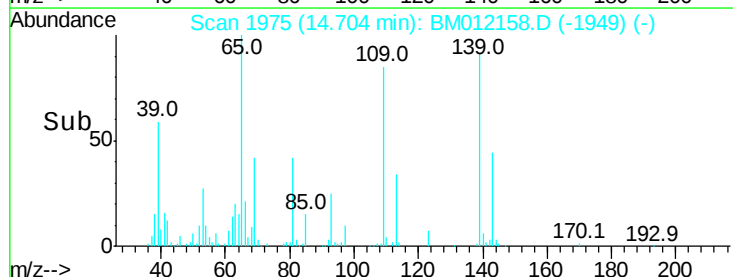
109 100

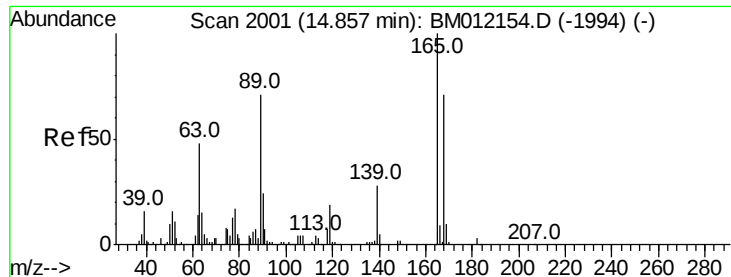
139 107.6 80.0 120.0

65 117.1 120.0 180.0#



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): BM





#54

2,4-Dinitrotoluene

Concen: 23.844 ng/ul

RT: 14.85 min Scan# 2000

Delta R.T. -0.04 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

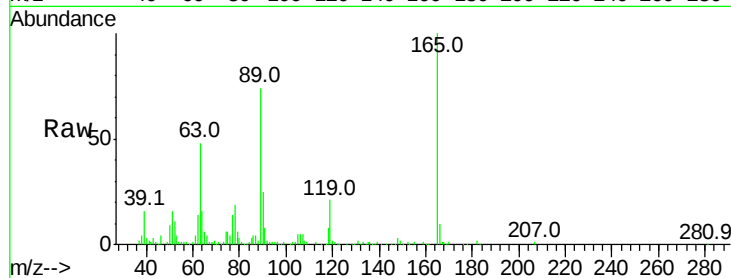
Tot Ion:165 Resp: 267836

Ion Ratio Lower Upper

165 100

63 47.7 45.8 68.8

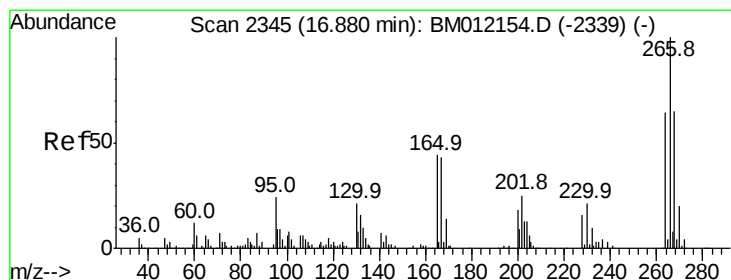
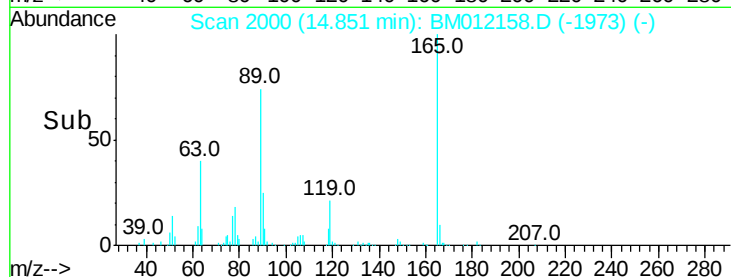
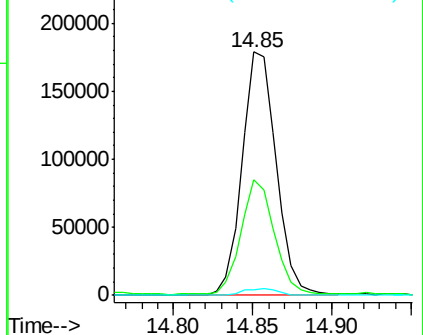
182 2.4 2.6 4.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E



#68

Pentachlorophenol

Concen: 27.722 ng/ul

RT: 16.87 min Scan# 2344

Delta R.T. -0.04 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

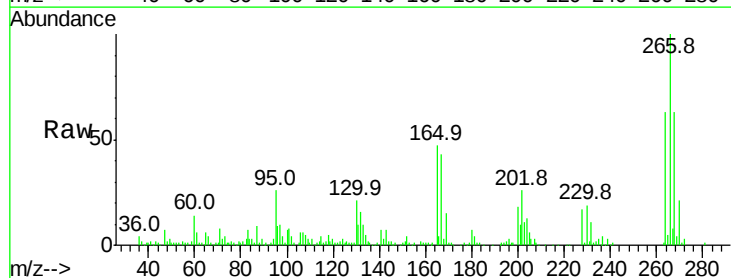
Tgt Ion:266 Resp: 185714

Ion Ratio Lower Upper

266 100

264 62.6 49.3 73.9

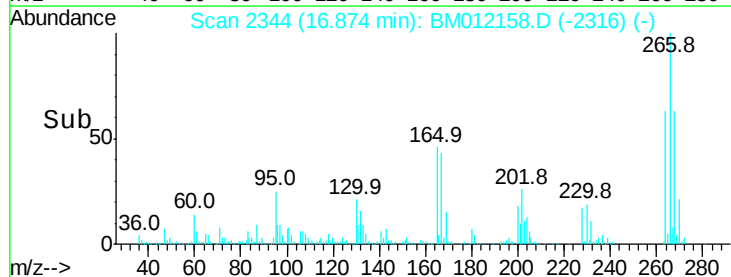
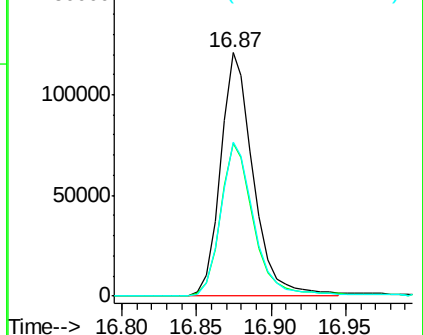
268 63.3 52.6 78.8

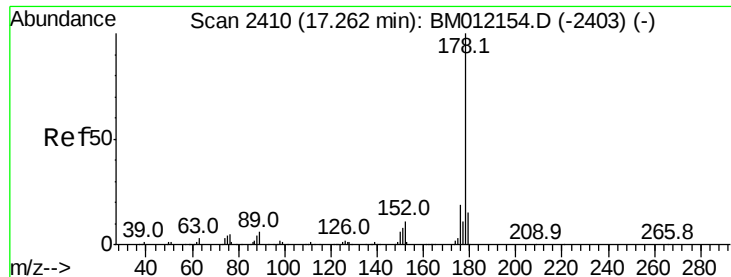


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

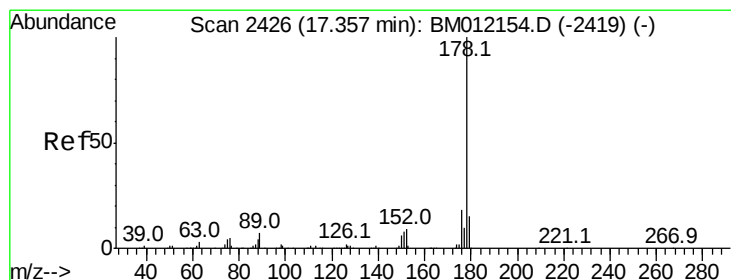
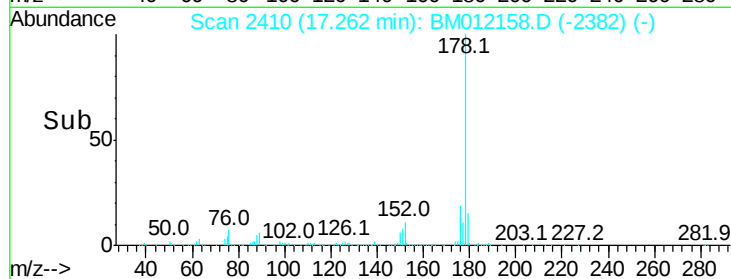
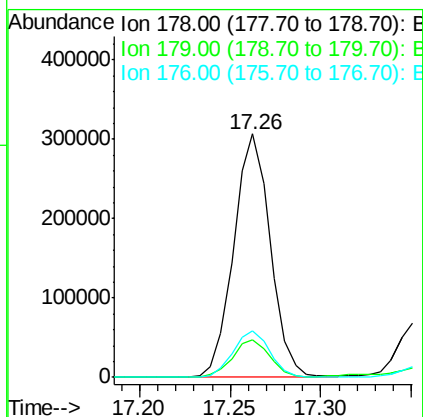
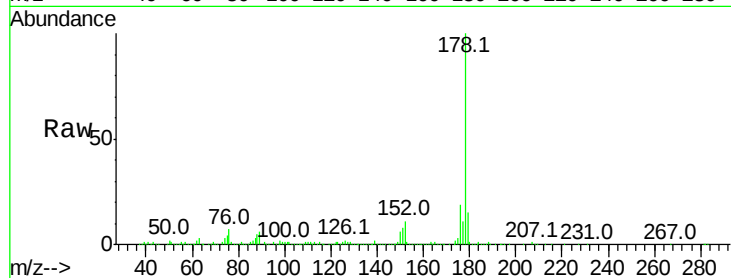




#69
Phenanthrene
Concen: 8.460 ng/ul
RT: 17.26 min Scan# 2410
Delta R.T. -0.04 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

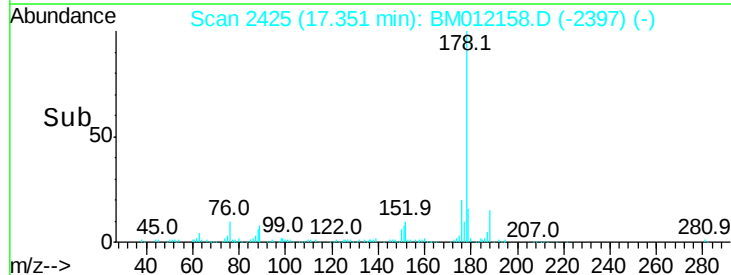
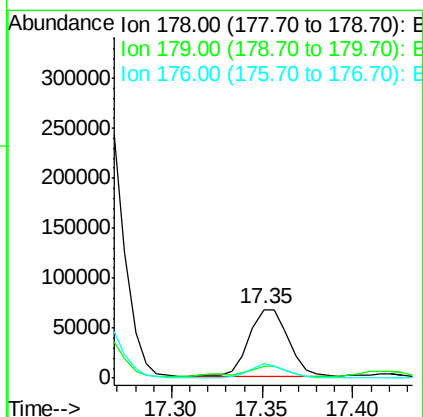
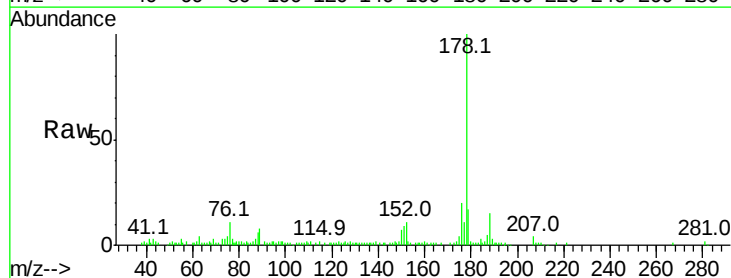
Instrument :
BNA_M
ClientSampleId :

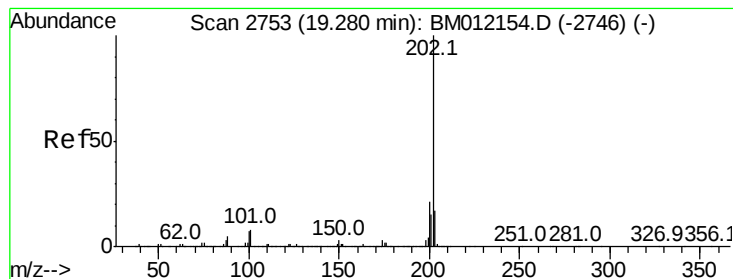
Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.2	14.9	22.3



#71
Anthracene
Concen: 1.986 ng/ul
RT: 17.35 min Scan# 2425
Delta R.T. -0.04 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	11.7	17.5
176	20.3	14.6	21.8





#74

Fluoranthene

Concen: 17.395 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. -0.03 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

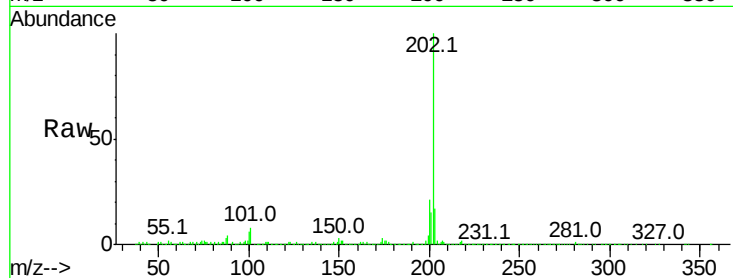
Tot Ion:202 Resp: 1057757

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

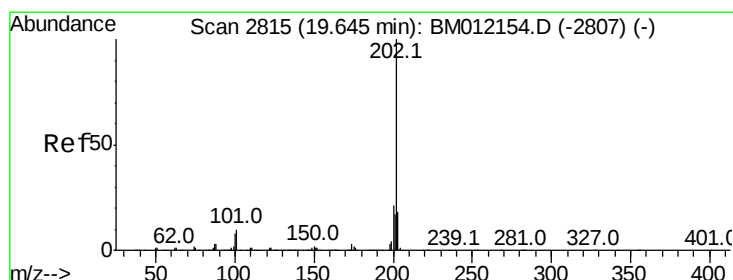
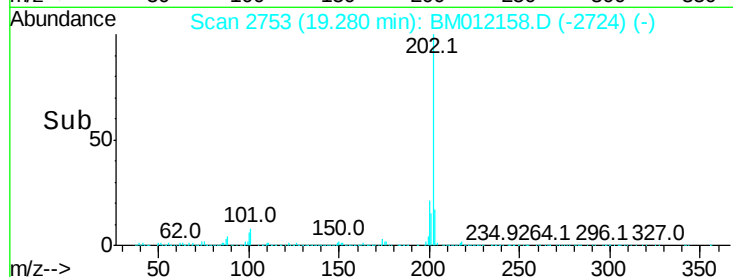
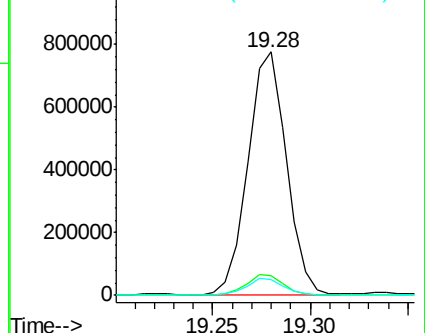
100 6.4 3.4 5.2#



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: 45.450 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. -0.03 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

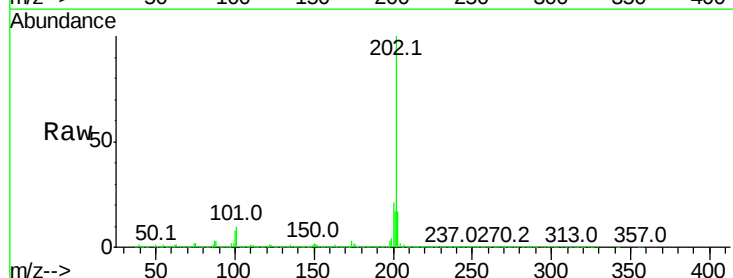
Tgt Ion:202 Resp: 2745100

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

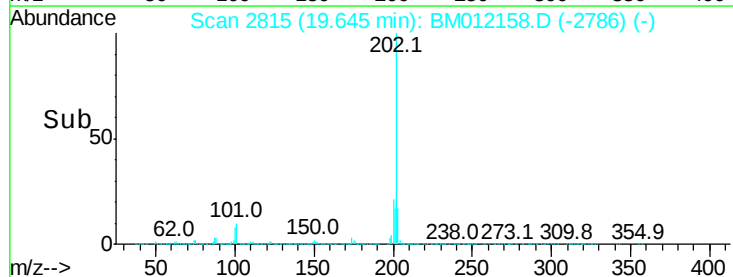
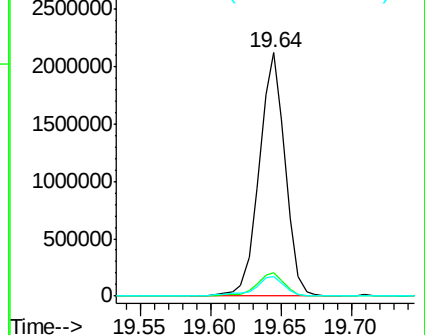
100 8.3 4.9 7.3#

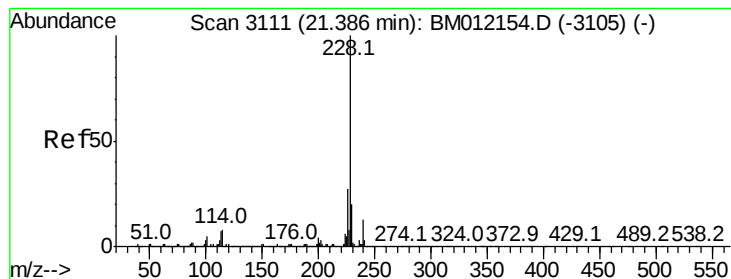


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 10.486 ng/ul

RT: 21.39 min Scan# 3111

Delta R.T. -0.03 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

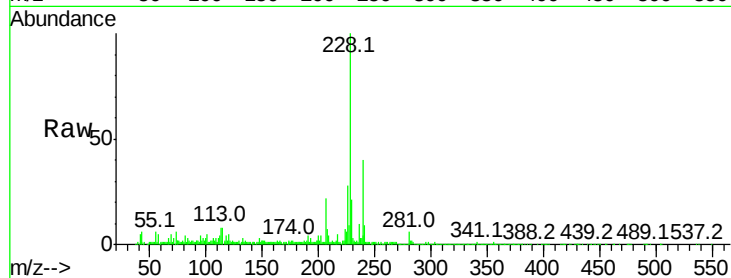
Tot Ion:228 Resp: 624012

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	27.8	21.4	32.0

228 100

229 21.0 15.4 23.0

226 27.8 21.4 32.0

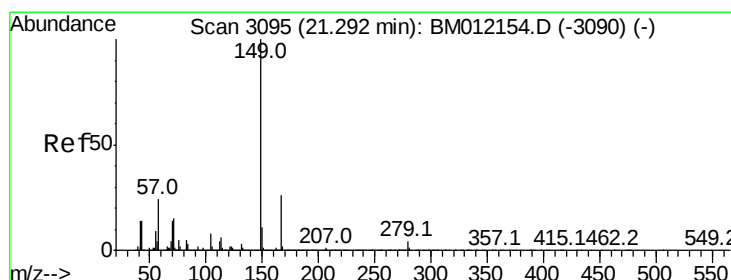
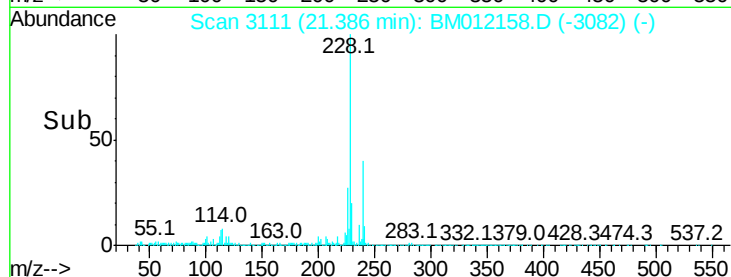
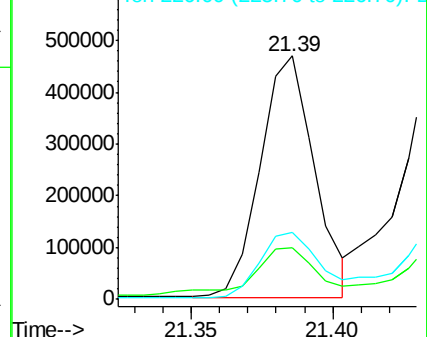


Abundance

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



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.106 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

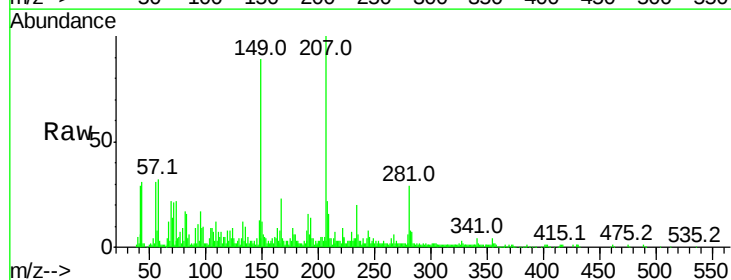
Tgt Ion:149 Resp: 84951

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.8	34.2
279	6.8	4.9	7.3

149 100

167 26.2 22.8 34.2

279 6.8 4.9 7.3

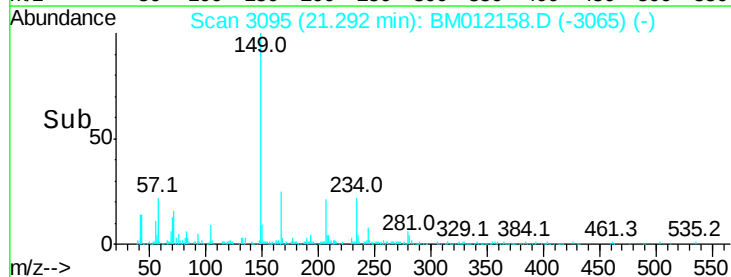
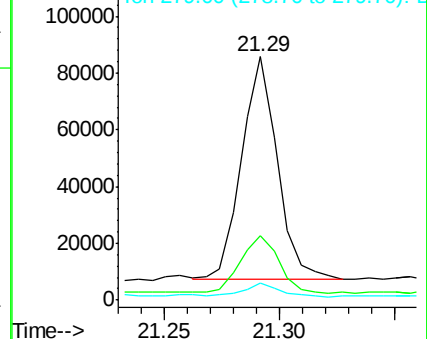


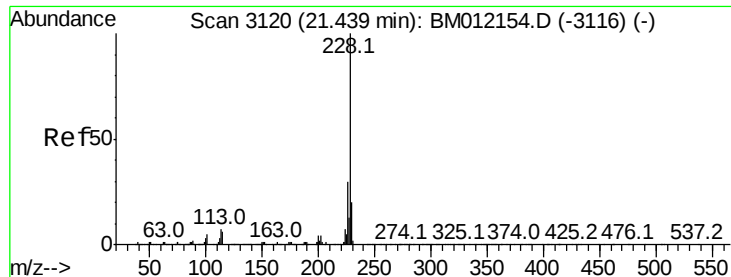
Abundance

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: 11.885 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. -0.04 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

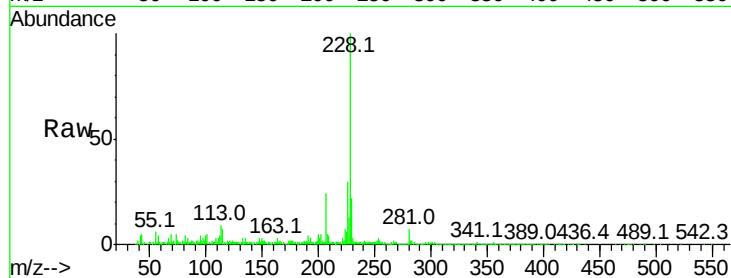
Tot Ion:228 Resp: 664038

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

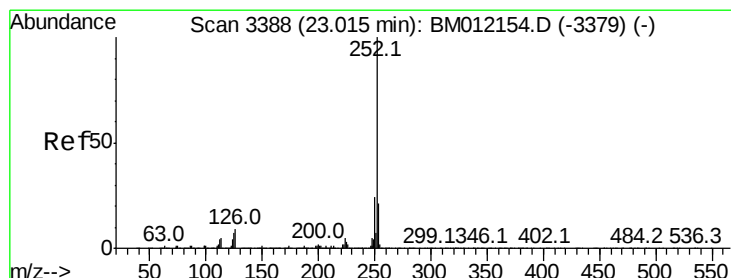
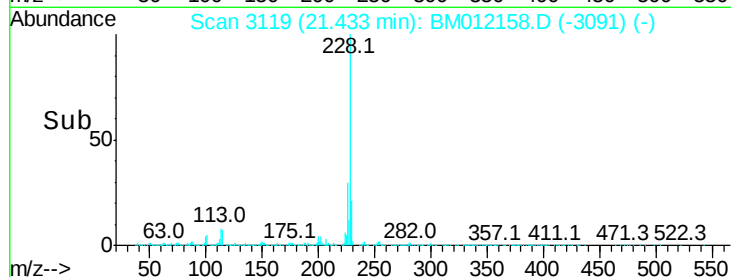
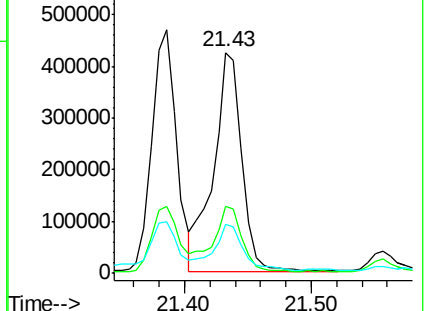
229 21.9 15.5 23.3



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: 13.208 ng/ul

RT: 23.01 min Scan# 3388

Delta R.T. -0.05 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

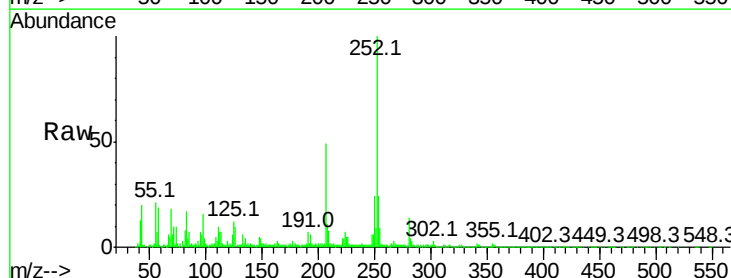
Tgt Ion:252 Resp: 868960

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

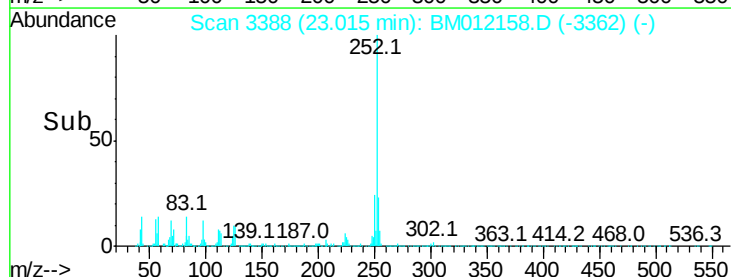
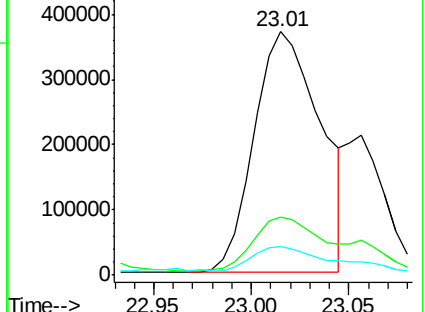
125 11.5 3.6 5.4#

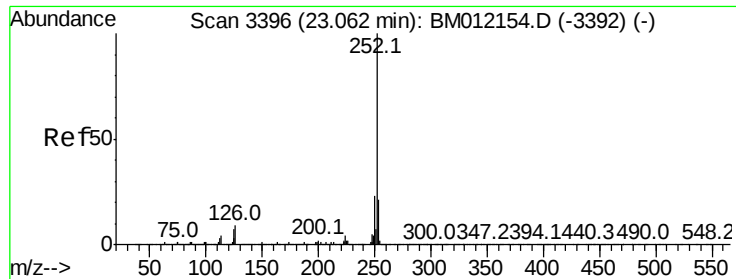


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 13.706 ng/ul

RT: 23.01 min Scan# 3388

Delta R.T. -0.09 min

Lab File: BM012158.D

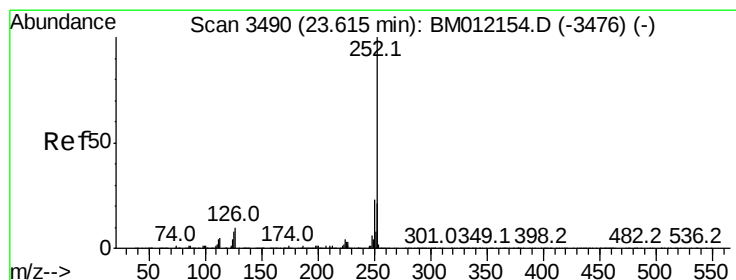
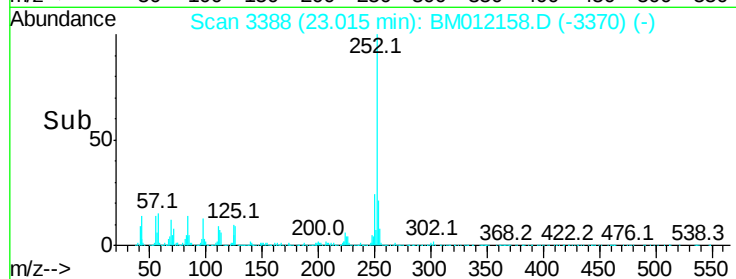
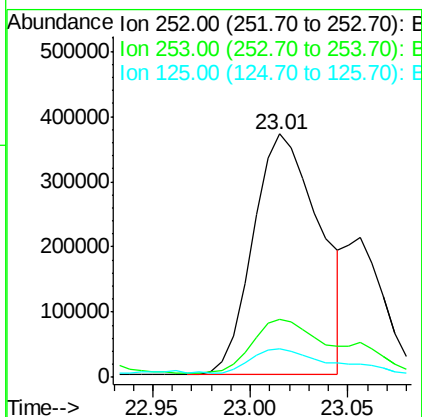
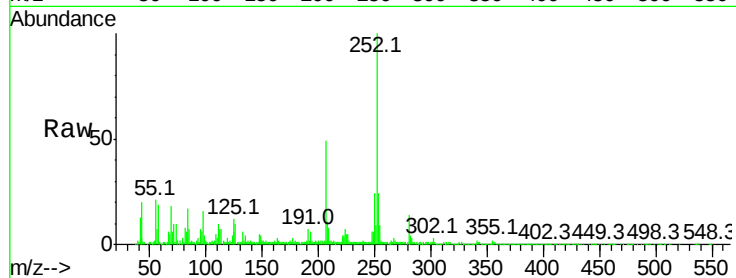
Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	868960
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.1	25.7
125	11.5	3.4	5.2#



#88

Benzo(a)pyrene

Concen: 10.224 ng/ul

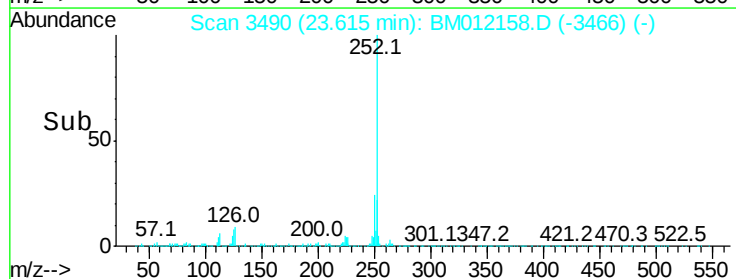
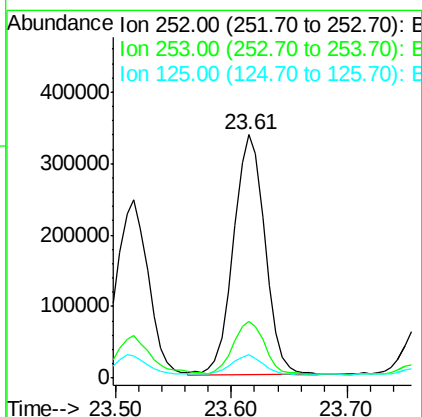
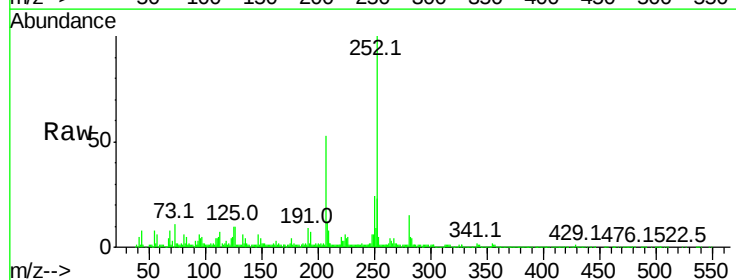
RT: 23.61 min Scan# 3490

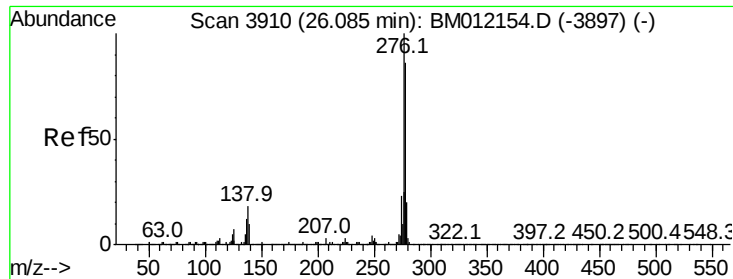
Delta R.T. -0.06 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Tgt Ion:	252	Resp:	633929
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.2	27.2
125	9.6	4.0	6.0#



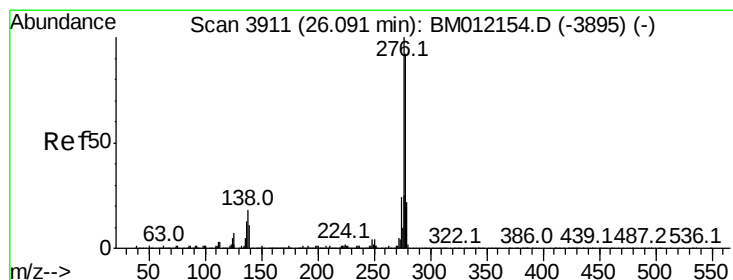
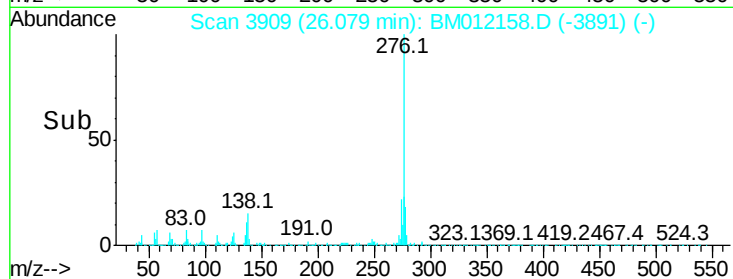
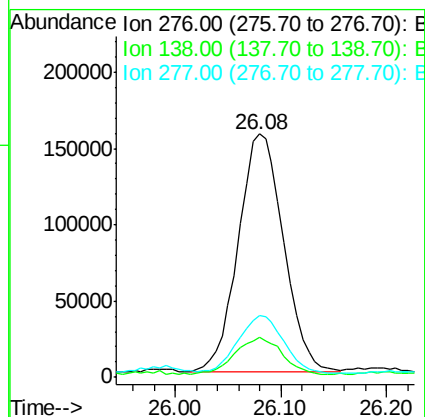
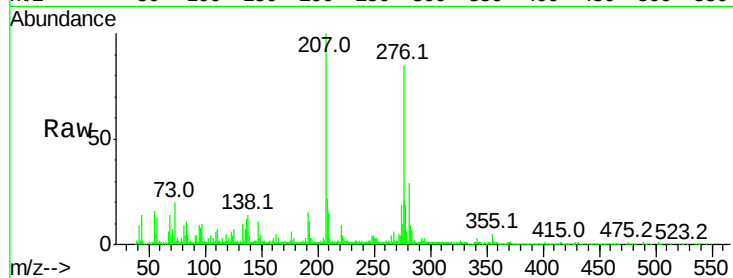


#89

Indeno(1,2,3-cd)pyrene
Concen: 7.017 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. -0.09 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Instrument :
BNA_M
ClientSampleId :

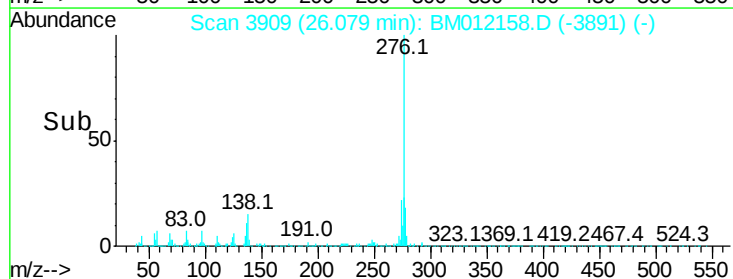
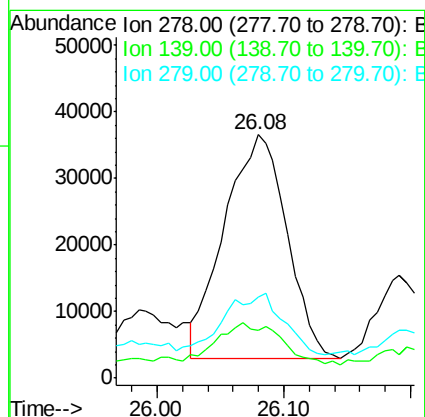
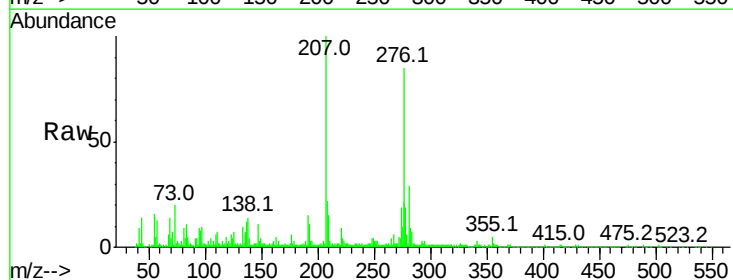
Tot Ion	Ratio	Lower	Upper
276	100		
138	16.2	9.3	13.9#
277	25.3	19.9	29.9

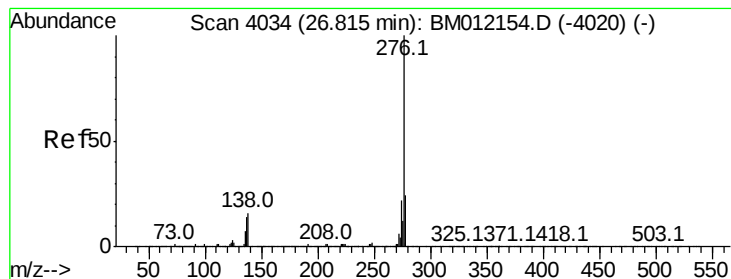


#90

Dibenzo(a,h)anthracene
Concen: 2.080 ng/ul
RT: 26.08 min Scan# 3909
Delta R.T. -0.09 min
Lab File: BM012158.D
Acq: 14 Oct 2017 05:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.7	5.8	8.8#
279	33.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 7.682 ng/ul

RT: 26.81 min Scan# 4034

Delta R.T. -0.11 min

Lab File: BM012158.D

Acq: 14 Oct 2017 05:39

Instrument :

BNA_M

ClientSampleId :

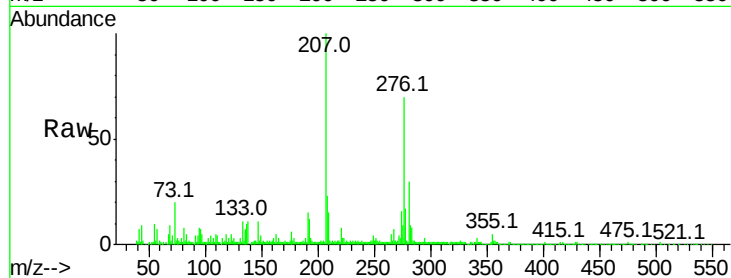
Tot Ion:276 Resp: 414286

Ion Ratio Lower Upper

276 100

138 16.4 8.5 12.7#

277 24.2 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

