

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100617\
 Data File : BM011940.D
 Acq On : 06 Oct 2017 15:10
 Operator : SJ/JU
 Sample : I5449-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 07 04:15:59 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 07 04:15:28 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	278152	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1105644	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	571974	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1153689	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1247368	20.00	ng/ul	0.00
83) Perylene-d12	23.75	264	1350846	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	23399	3.98	ng/uL	0.00
5) Phenol-d5	7.02	99	505963	21.14	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	322865	22.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	469177	24.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	405857	19.62	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	214246	27.21	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	250678	28.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	448095	25.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	99538	5.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1300305	26.23	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	1542274	26.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	116689	13.47	ng/ul	0.00
57) Fluorene-d10	15.49	176	1045705	23.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	150298	19.36	ng/ul	0.00
70) Anthracene-d10	17.34	188	1544840	27.17	ng/ul	0.00
76) Pyrene-d10	19.63	212	1694318	30.11	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.60	264	1745829	26.87	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	7.00	77	13856	1.162	ng/ul#	1
6) Phenol	7.05	94	31212	1.318	ng/ul	90
14) Acetophenone	8.66	105	70817	2.339	ng/ul#	29
17) Hexachloroethane	8.96	117	13003	1.728	ng/ul#	1
28) Naphthalene	10.71	128	218812	3.945	ng/ul	98
34) 2-Methylnaphthalene	12.32	142	85657	2.025	ng/ul	98
44) Dimethylphthalate	13.95	163	515775	10.815	ng/ul	99
47) Acenaphthylene	14.23	152	119354	2.113	ng/ul	97
49) Acenaphthene	14.56	153	122919	3.145	ng/ul	99
53) Dibenzofuran	14.90	168	141942	2.502	ng/ul	95
58) Fluorene	15.55	166	120278	2.539	ng/ul	96
69) Phenanthrene	17.29	178	2788903	43.947	ng/ul	99
71) Anthracene	17.38	178	658914	10.204	ng/ul	98
72) Carbazole	17.65	167	185581	3.318	ng/ul	96
73) Di-n-butylphthalate	18.20	149	323086	4.821	ng/ul	97
74) Fluoranthene	19.30	202	4914066	63.465	ng/ul#	91
77) Pyrene	19.67	202	4611407	66.674	ng/ul#	91
80) Benzo(a)anthracene	21.40	228	2741567	38.366	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.32	149	351483	8.720	ng/ul	100
82) Chrysene	21.46	228	2709919	39.913	ng/ul	96
85) Benzo(b)fluoranthene	23.05	252	3768064	45.891	ng/ul#	96
86) Benzo(k)fluoranthene	23.05	252	3768064	45.967	ng/ul#	94
88) Benzo(a)pyrene	23.65	252	2818925	35.729	ng/ul#	96

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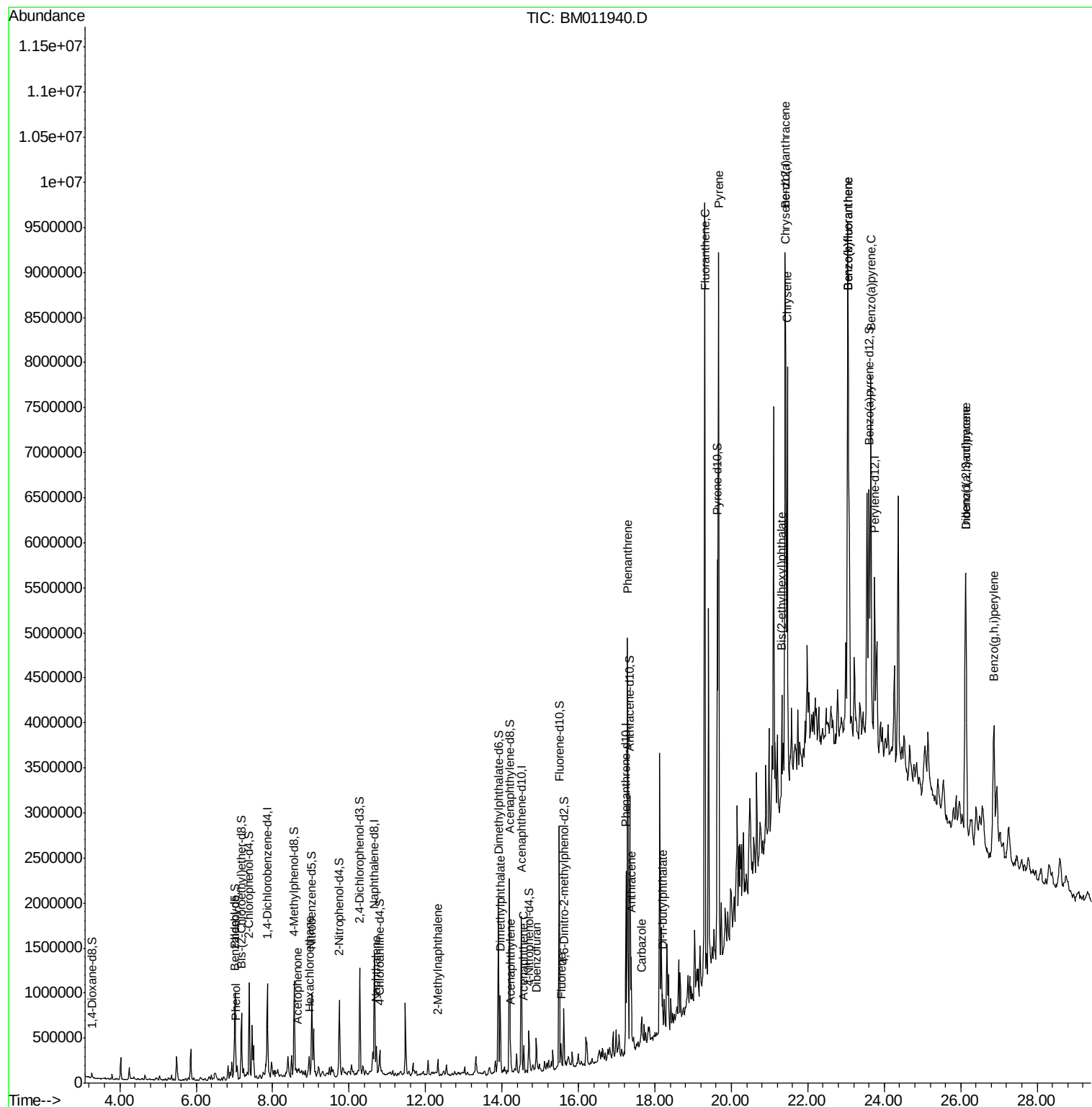
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) Indeno(1,2,3-cd)pyrene	26.13	276	2121306	25.125	ng/ul#	95
90) Dibenzo(a,h)anthracene	26.13	278	536712	7.736	ng/ul#	79
91) Benzo(q,h,i)perylene	26.87	276	1969223	28.196	ng/ul#	91

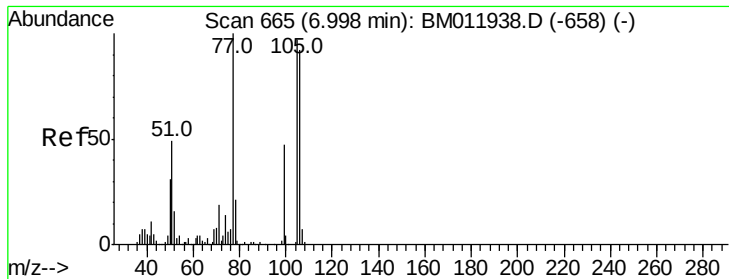
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.162 ng/ul

RT: 7.00 min Scan# 665

Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampled :

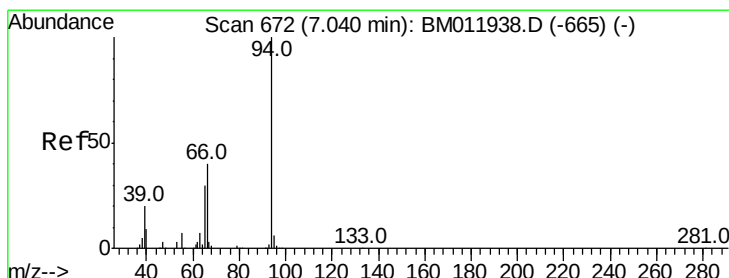
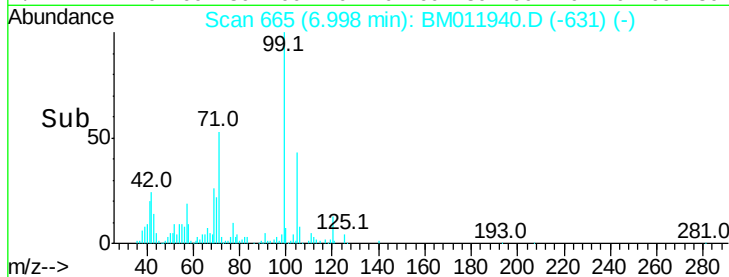
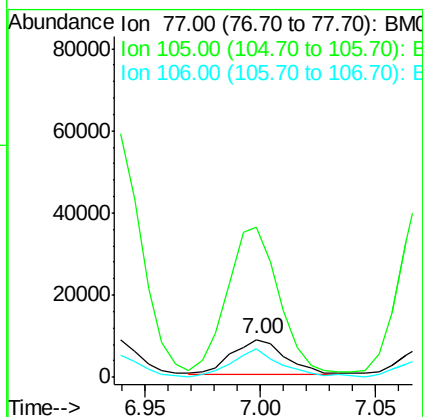
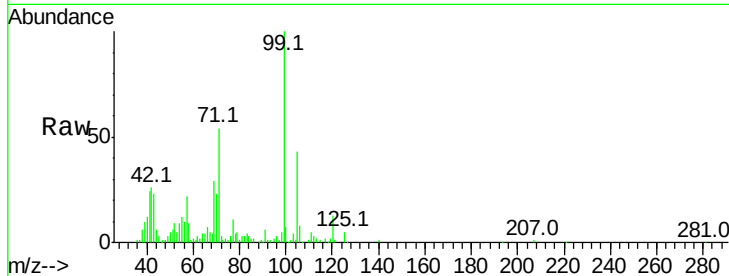
Tot Ion: 77 Resp: 13856

Ion Ratio Lower Upper

77 100

105 398.7 66.1 99.1#

106 76.2 67.8 101.6



#6

Phenol

Concen: 1.318 ng/ul

RT: 7.05 min Scan# 673

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

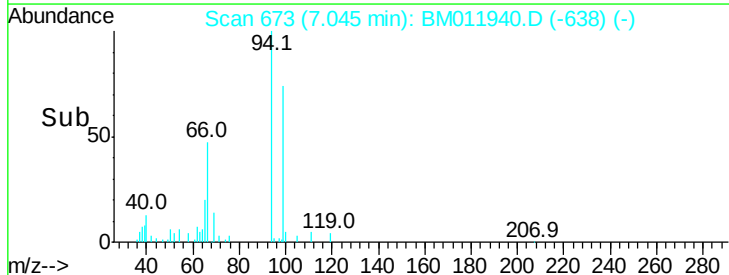
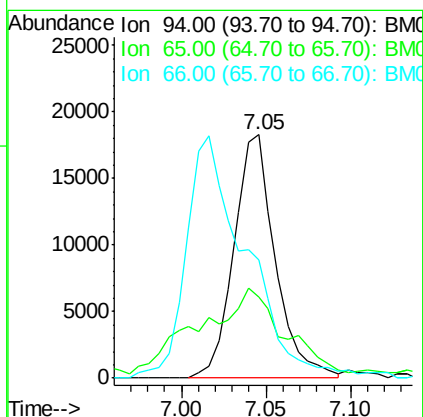
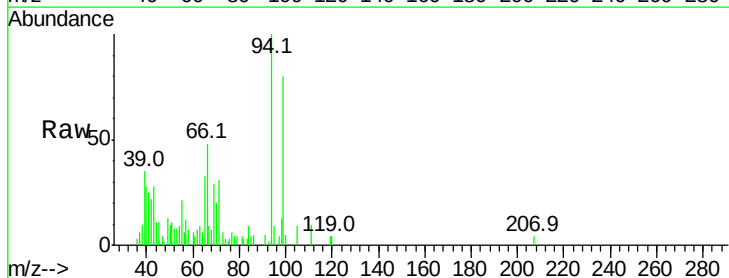
Tgt Ion: 94 Resp: 31212

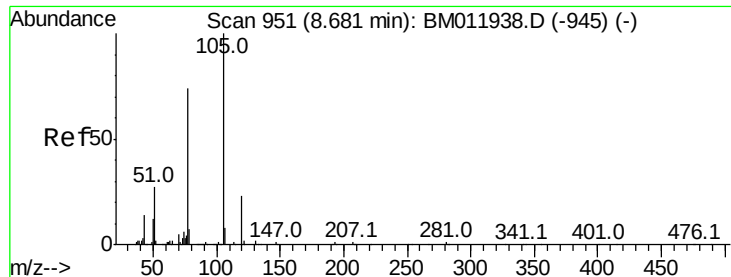
Ion Ratio Lower Upper

94 100

65 33.2 28.2 42.4

66 48.4 47.2 70.8





#14

Acetophenone

Concen: 2.339 ng/ul

RT: 8.66 min Scan# 947

Delta R.T. -0.02 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

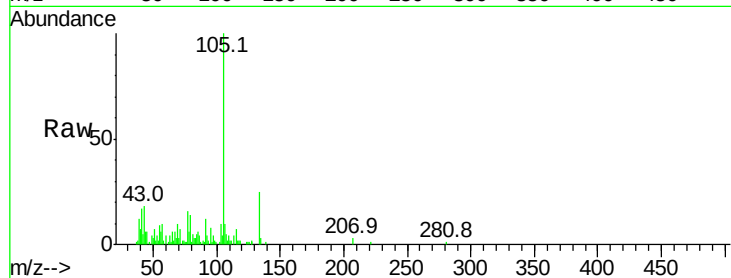
Tot Ion:105 Resp: 70817

Ion Ratio Lower Upper

105 100

77 16.3 74.2 111.4#

51 7.0 23.4 35.2#



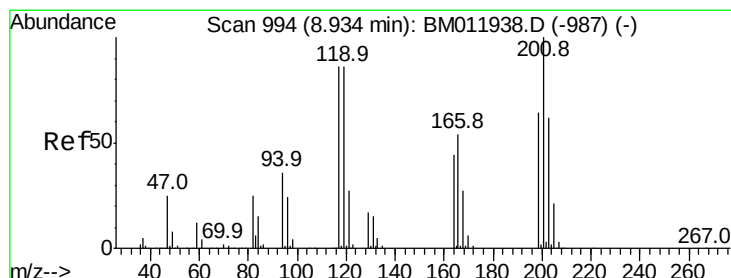
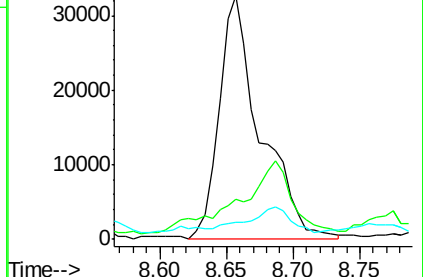
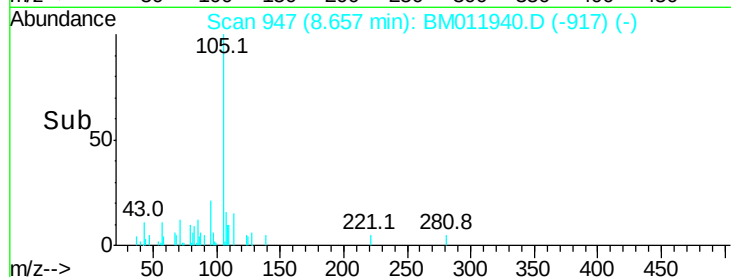
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

8.66

Time-->



#17

Hexachloroethane

Concen: 1.728 ng/ul

RT: 8.96 min Scan# 999

Delta R.T. 0.03 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

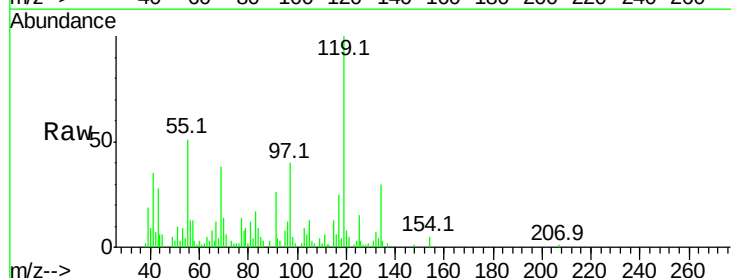
Tgt Ion:117 Resp: 13003

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

199 0.0 67.8 101.6#



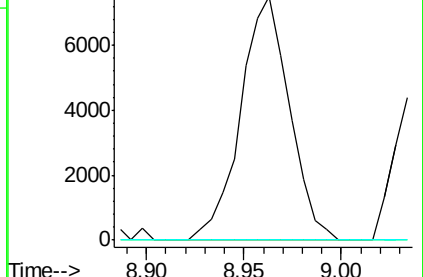
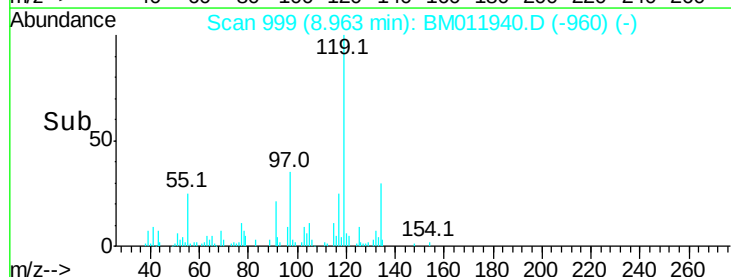
Abundance Ion 117.00 (116.70 to 117.70): E

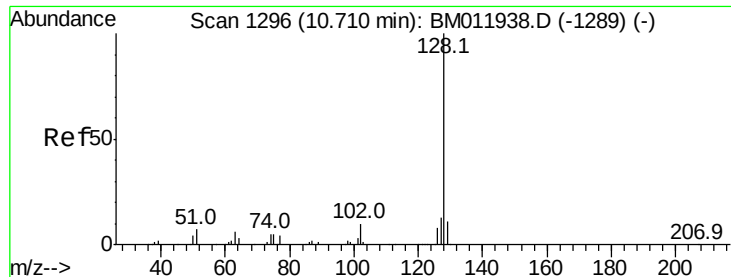
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

8.96

Time-->

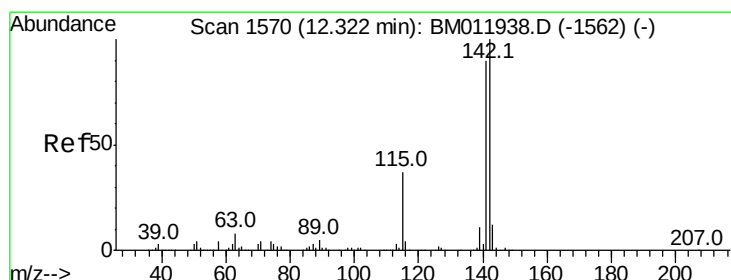
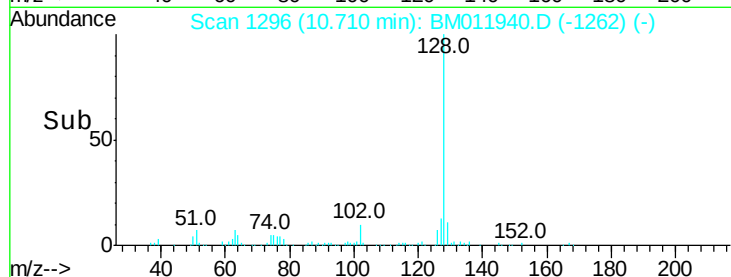
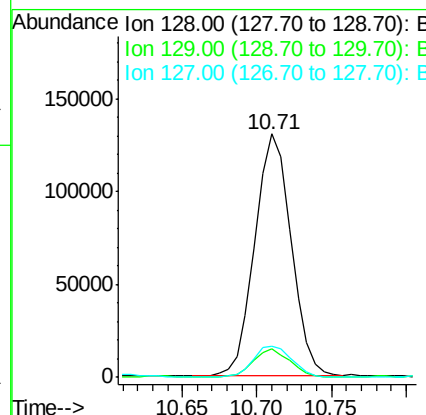
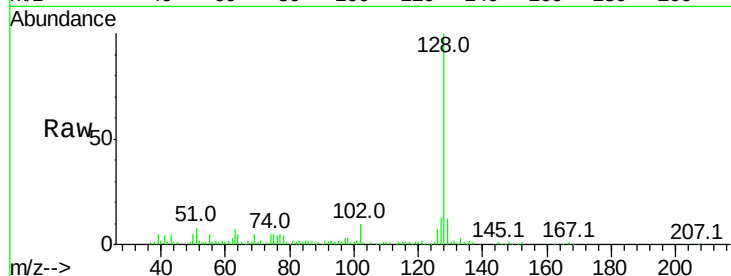




#28
Naphthalene
Concen: 3.945 ng/ul
RT: 10.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BM011940.D
Acq: 06 Oct 2017 15:10

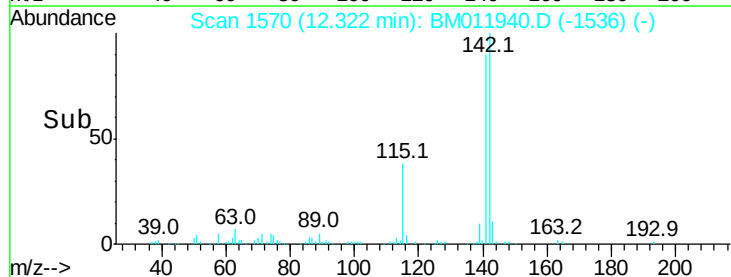
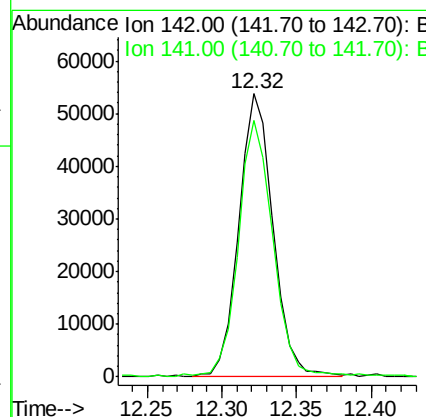
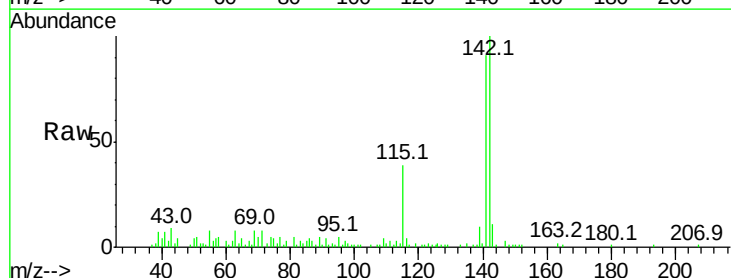
Instrument :
BNA_M
ClientSampleId :

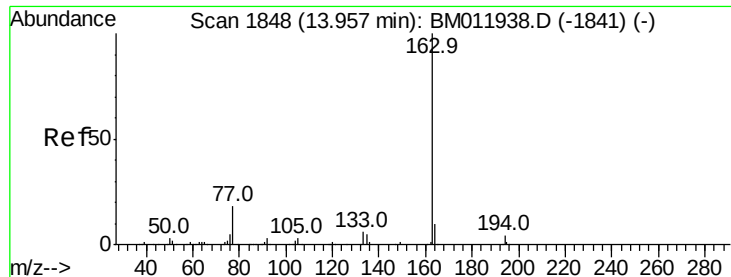
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	12.9	10.6	16.0



#34
2-Methylnaphthalene
Concen: 2.025 ng/ul
RT: 12.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BM011940.D
Acq: 06 Oct 2017 15:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	74.1	111.1





#44

Dimethylphthalate

Concen: 10.815 ng/ul

RT: 13.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

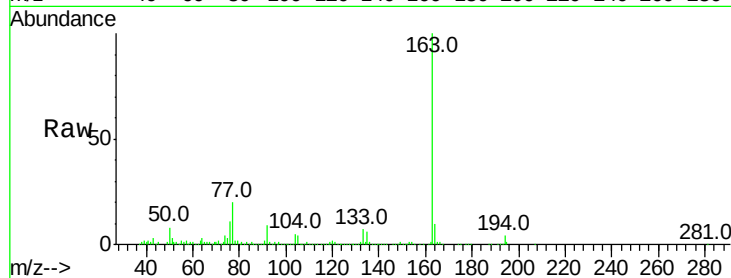
Tot Ion:163 Resp: 515775

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

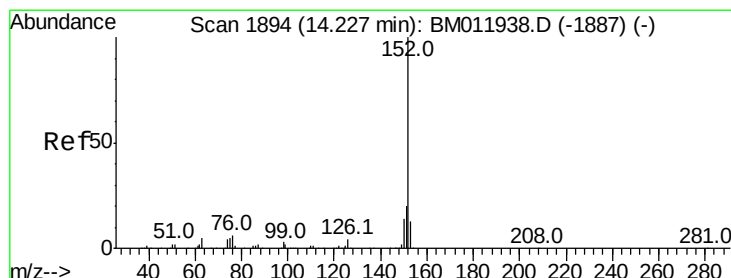
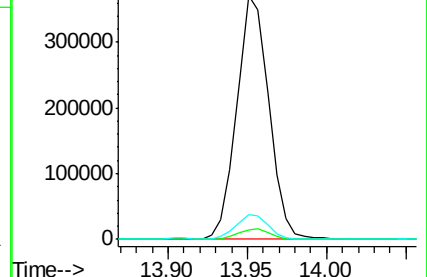
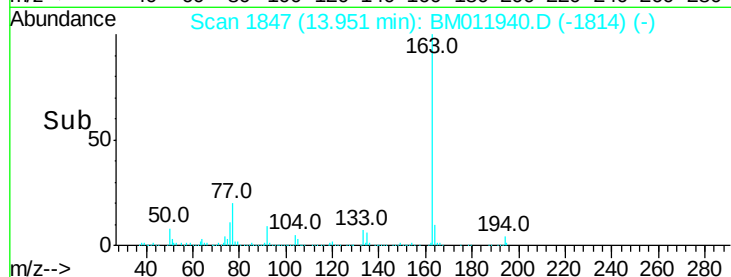
164 10.2 8.2 12.4



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: 2.113 ng/ul

RT: 14.23 min Scan# 1894

Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

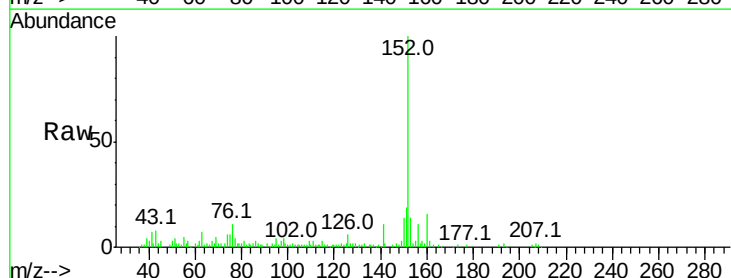
Tgt Ion:152 Resp: 119354

Ion Ratio Lower Upper

152 100

151 19.1 16.3 24.5

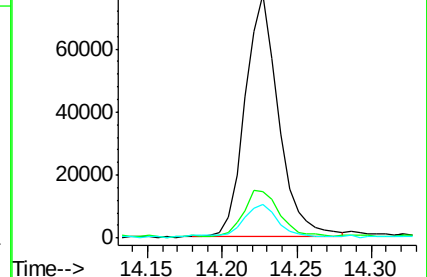
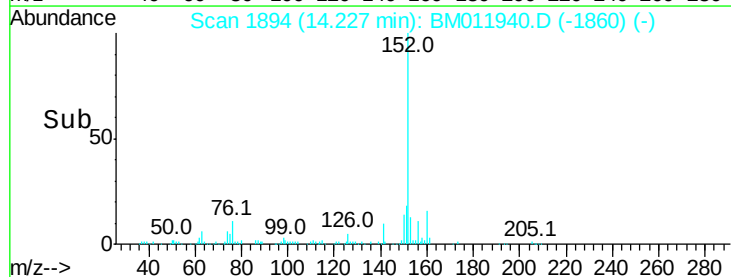
153 13.8 10.2 15.4

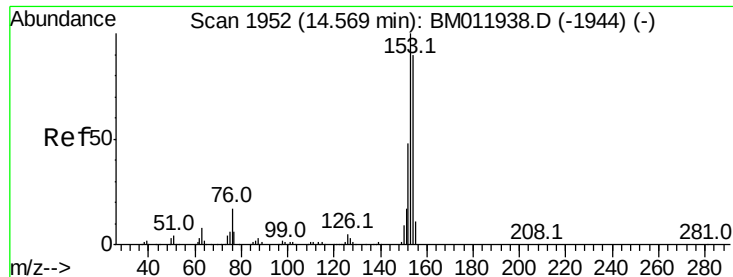


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 3.145 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

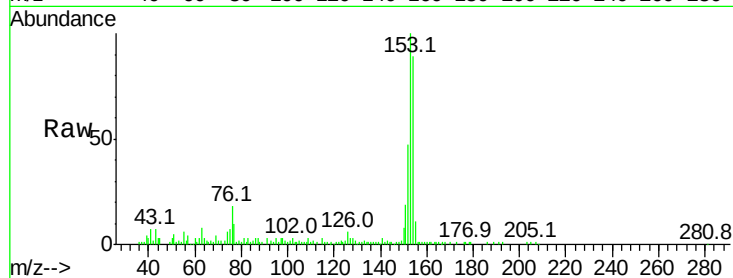
Tot Ion:153 Resp: 122919

Ion Ratio Lower Upper

153 100

152 46.9 37.6 56.4

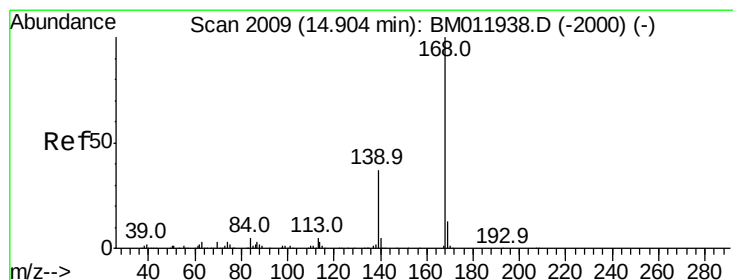
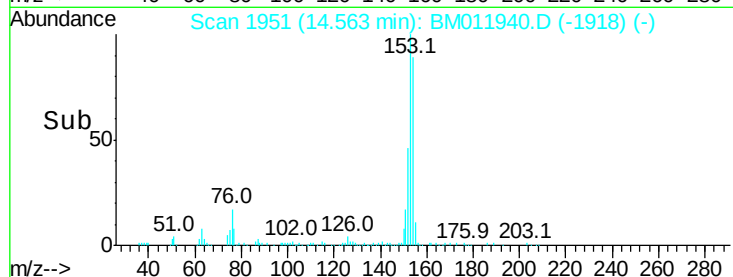
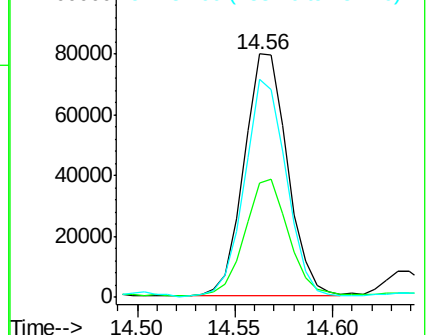
154 89.4 70.4 105.6



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



#53

Dibenzofuran

Concen: 2.502 ng/ul

RT: 14.90 min Scan# 2009

Delta R.T. -0.00 min

Lab File: BM011940.D

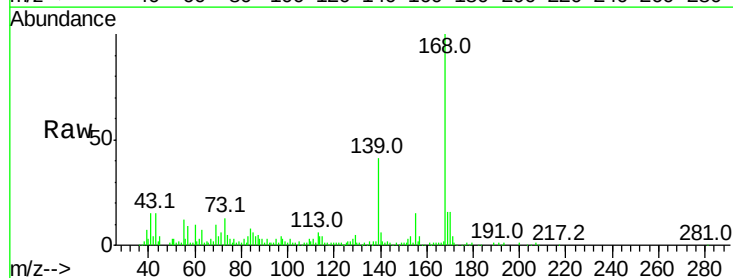
Acq: 06 Oct 2017 15:10

Tgt Ion:168 Resp: 141942

Ion Ratio Lower Upper

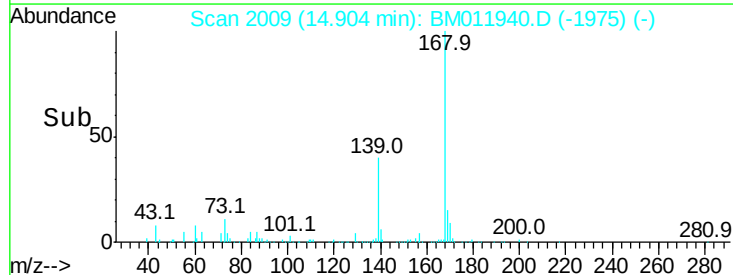
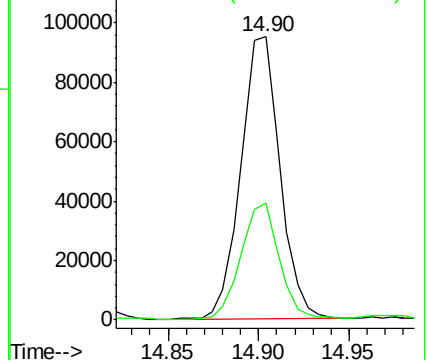
168 100

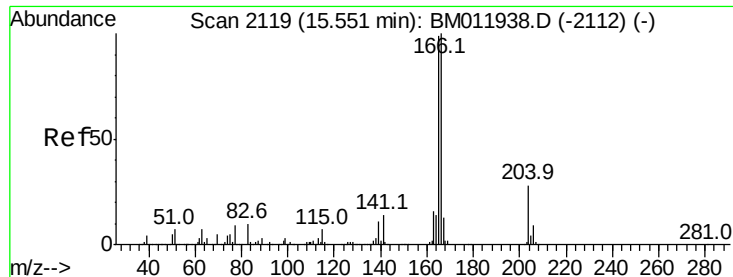
139 41.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.539 ng/ul

RT: 15.55 min Scan# 2119

Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampled :

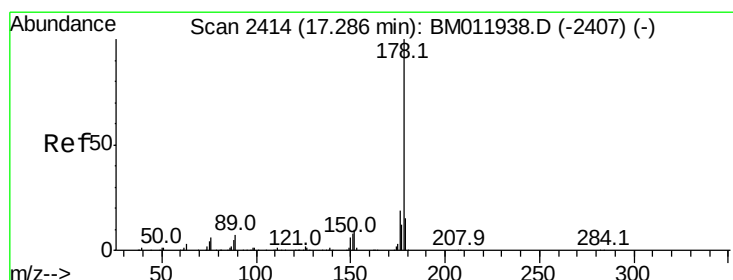
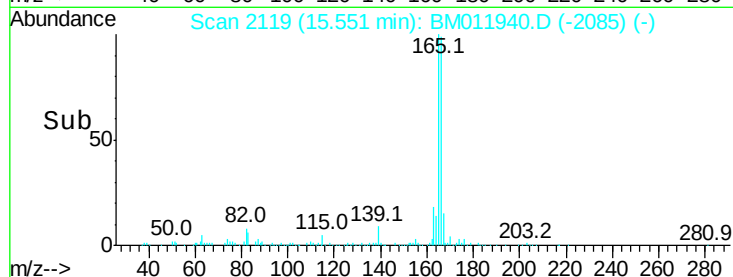
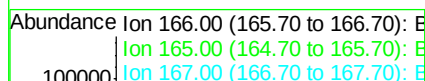
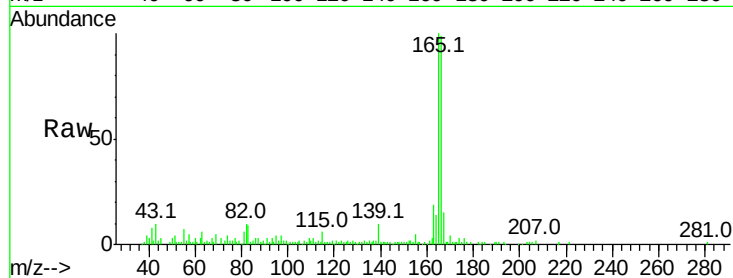
Tot Ion:166 Resp: 120278

Ion Ratio Lower Upper

166 100

165 101.0 77.9 116.9

167 15.2 10.6 16.0



#69

Phenanthrene

Concen: 43.947 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

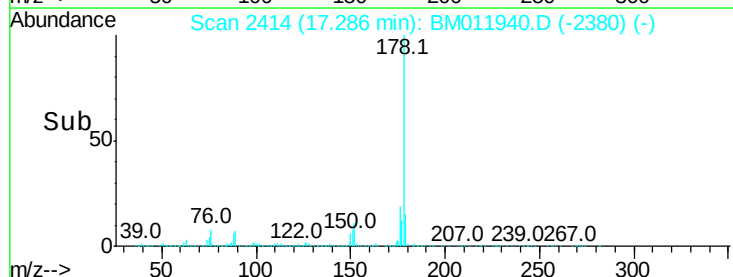
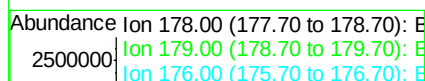
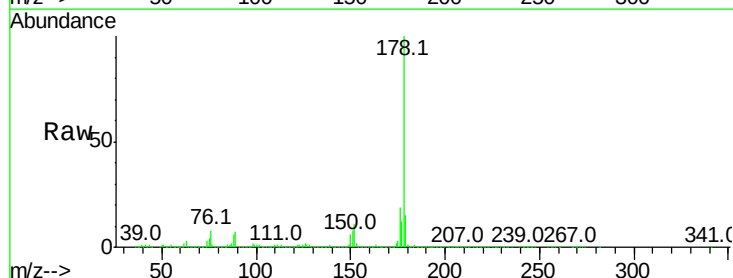
Tgt Ion:178 Resp: 2788903

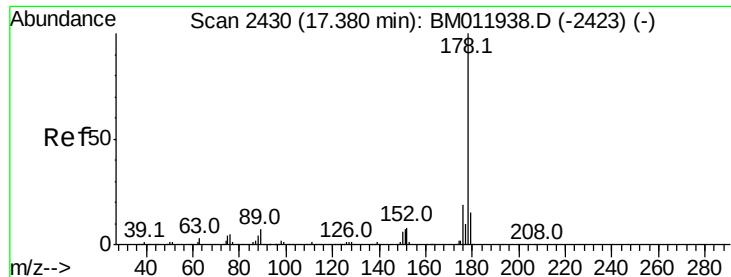
Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.3 14.9 22.3





#71

Anthracene

Concen: 10.204 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

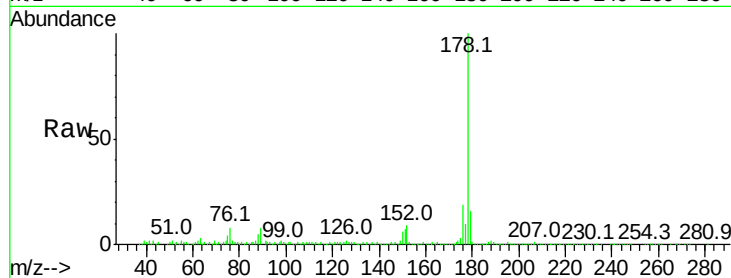
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 658914

Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.7	14.6	21.8

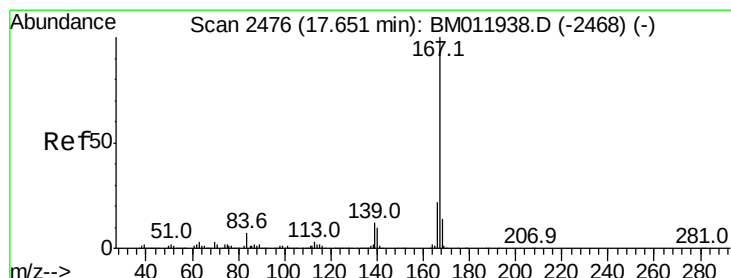
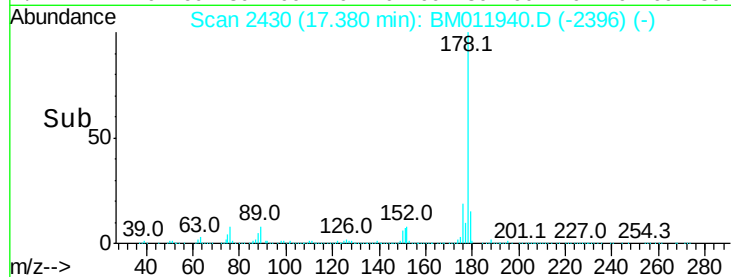
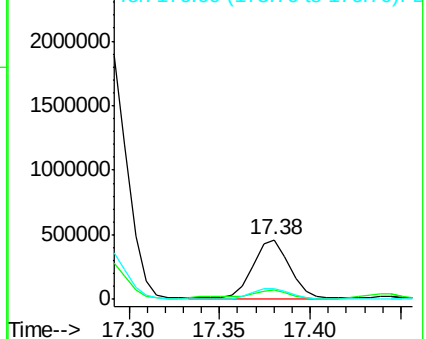


Abundance

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



#72

Carbazole

Concen: 3.318 ng/ul

RT: 17.65 min Scan# 2476

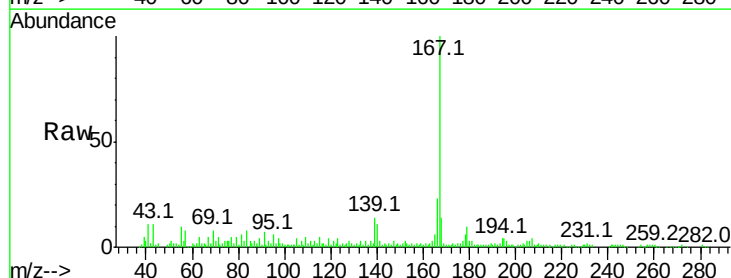
Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion:167 Resp: 185581

Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.1	25.7
139	14.5	10.0	15.0

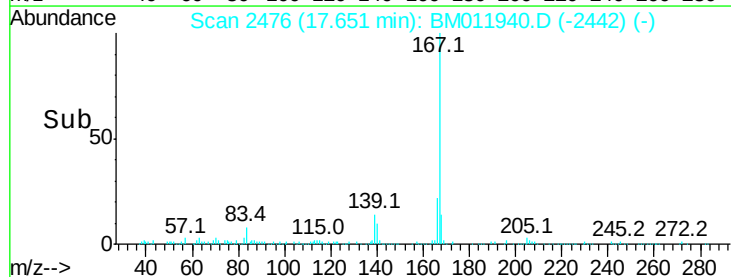
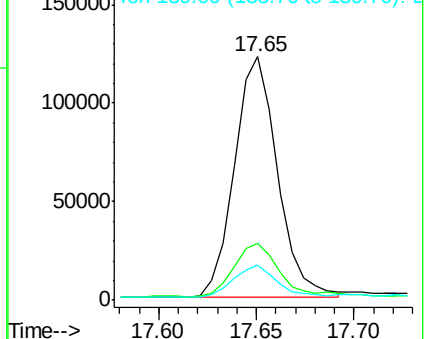


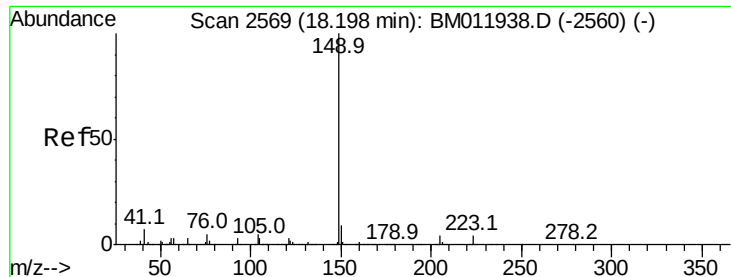
Abundance

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





#73

Di-n-butylphthalate

Concen: 4.821 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

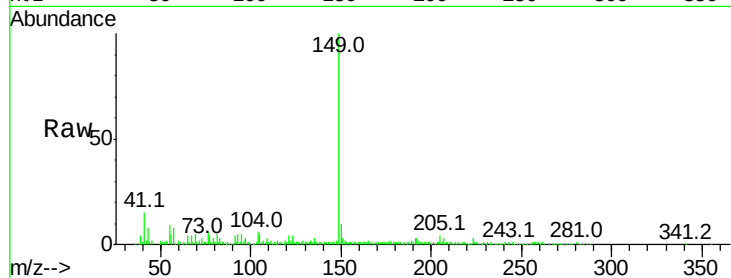
Tot Ion:149 Resp: 323086

Ion Ratio Lower Upper

149 100

150 10.0 7.1 10.7

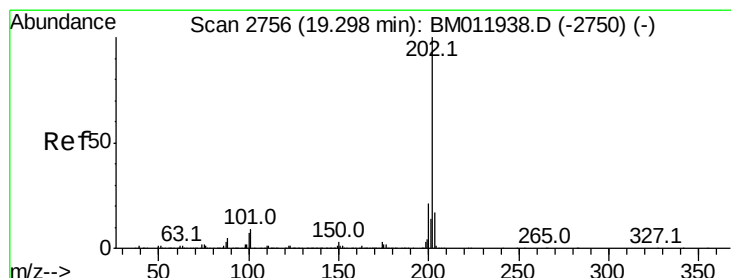
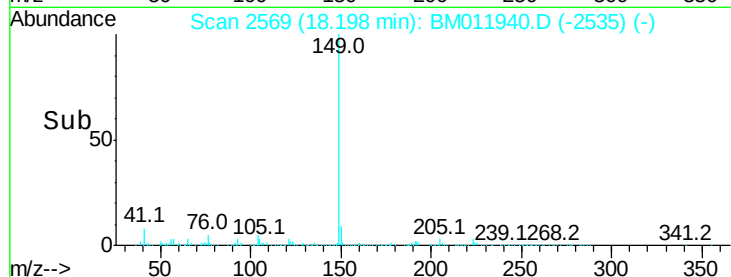
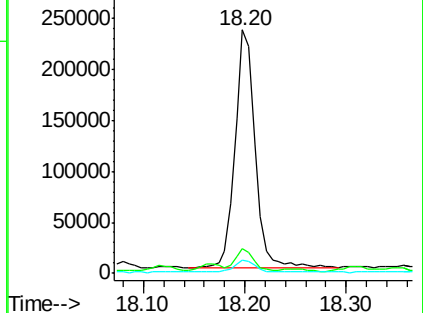
104 5.7 5.6 8.4



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



#74

Fluoranthene

Concen: 63.465 ng/ul

RT: 19.30 min Scan# 2757

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

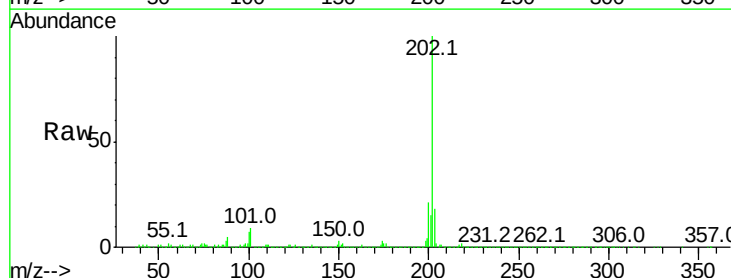
Tgt Ion:202 Resp: 4914066

Ion Ratio Lower Upper

202 100

101 9.0 4.6 7.0#

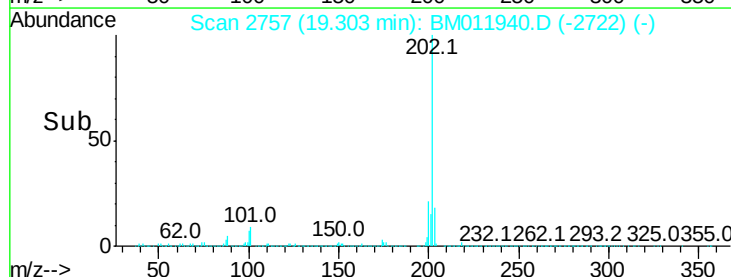
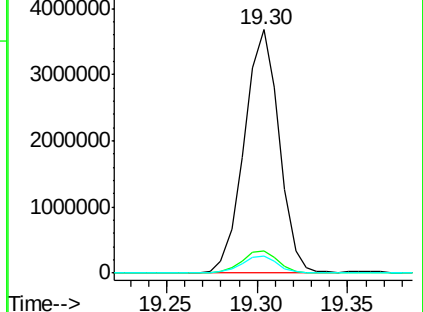
100 7.1 3.4 5.2#

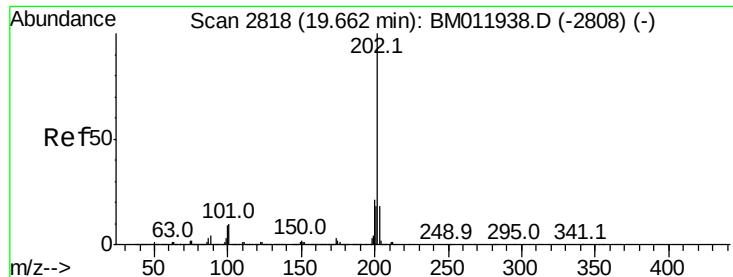


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 66.674 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

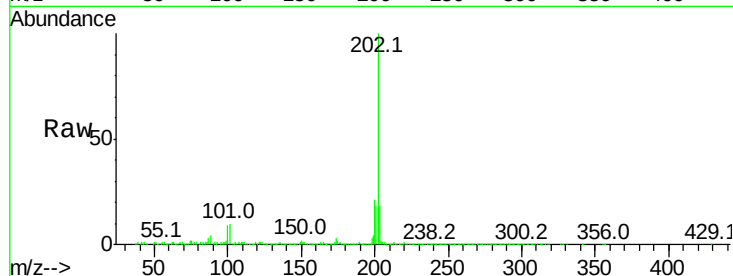
Tot Ion:202 Resp: 4611407

Ion Ratio Lower Upper

202 100

101 10.3 5.1 7.7#

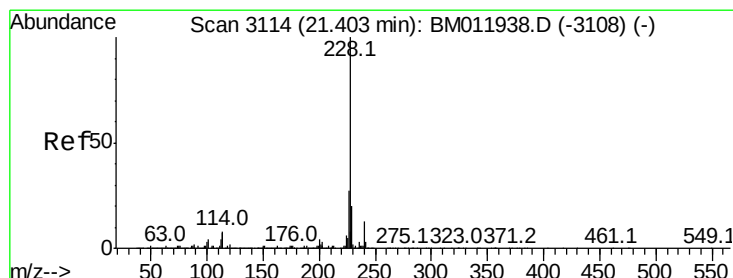
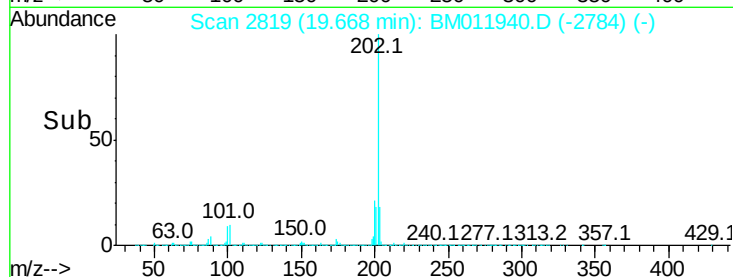
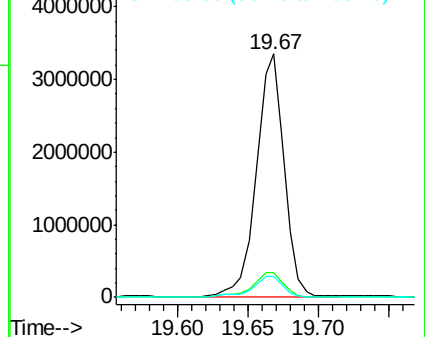
100 8.5 4.9 7.3#



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: 38.366 ng/ul

RT: 21.40 min Scan# 3114

Delta R.T. -0.00 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

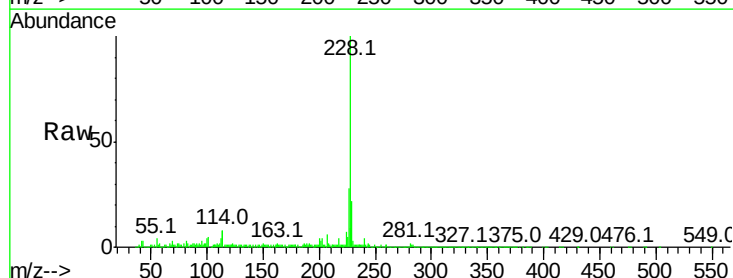
Tgt Ion:228 Resp: 2741567

Ion Ratio Lower Upper

228 100

229 21.6 15.4 23.0

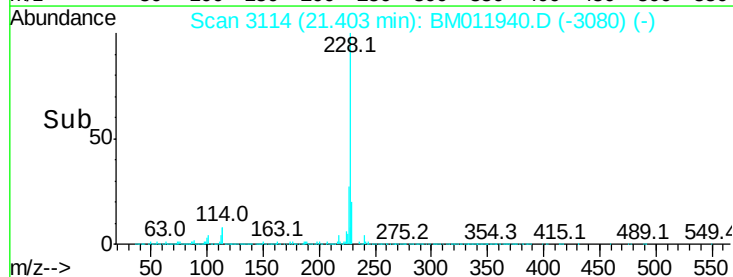
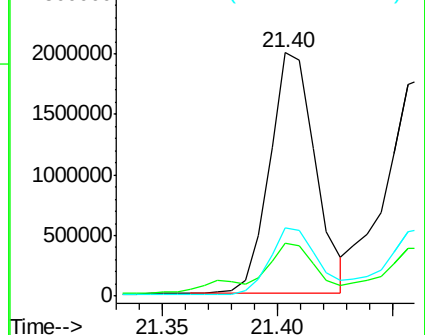
226 27.9 21.4 32.0

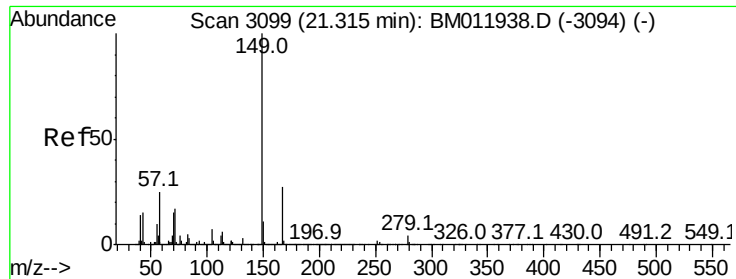


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 8.720 ng/ul

RT: 21.32 min Scan# 3100

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

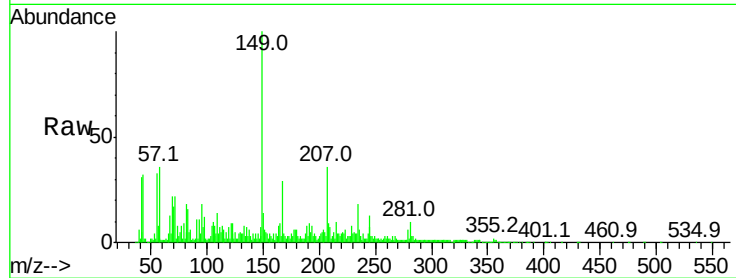
Tot Ion:149 Resp: 351483

Ion Ratio Lower Upper

149 100

167 28.6 22.8 34.2

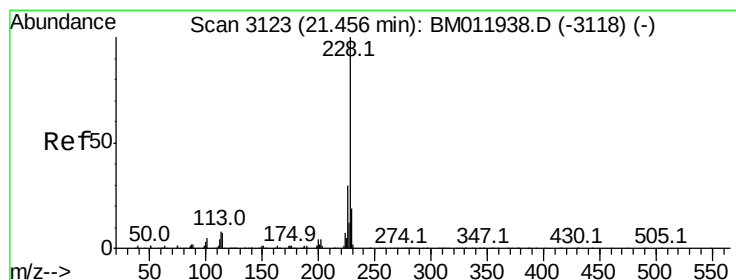
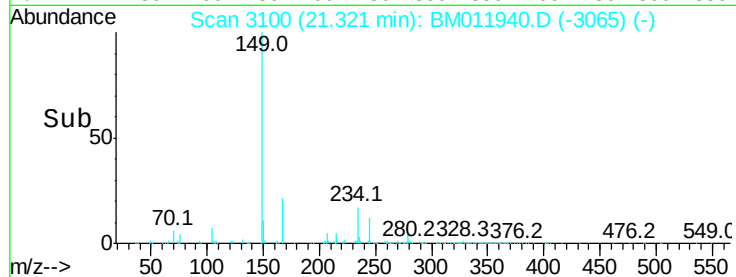
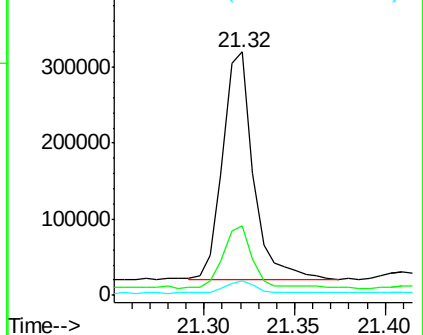
279 5.9 4.9 7.3



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: 39.913 ng/ul

RT: 21.46 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

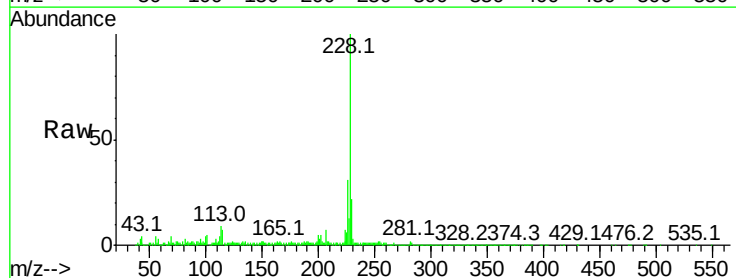
Tgt Ion:228 Resp: 2709919

Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

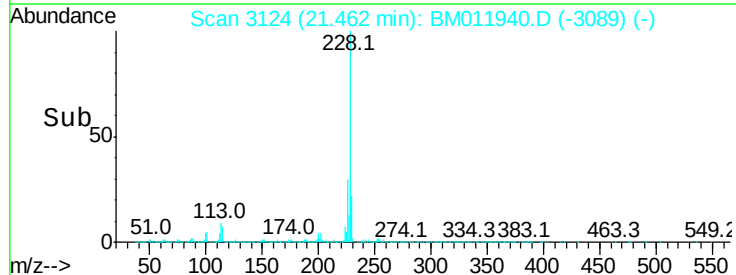
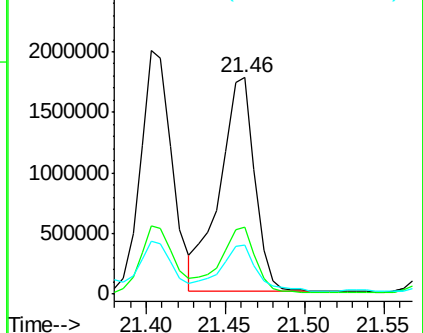
229 22.5 15.5 23.3

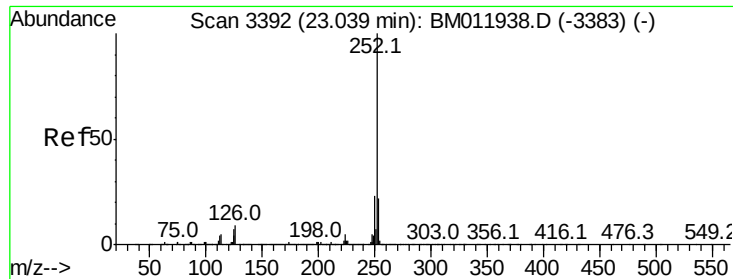


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 45.891 ng/ul

RT: 23.05 min Scan# 3394

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

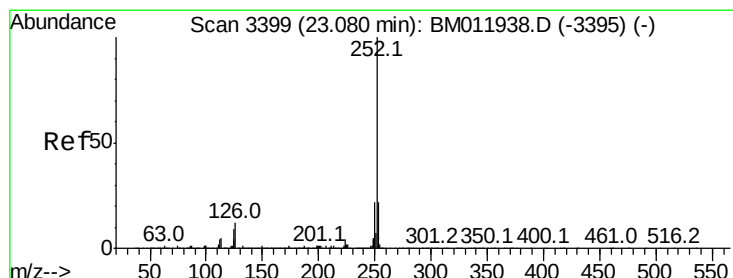
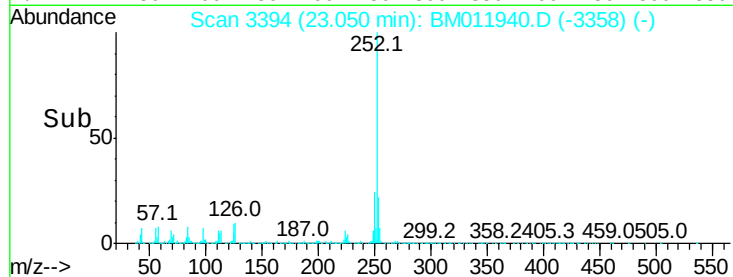
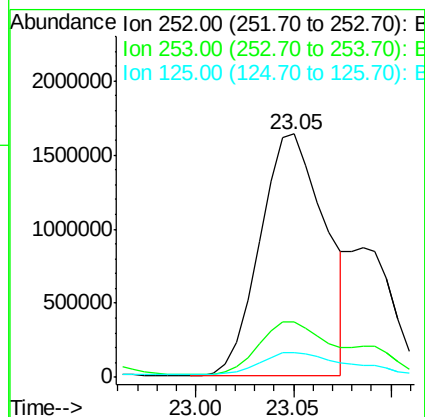
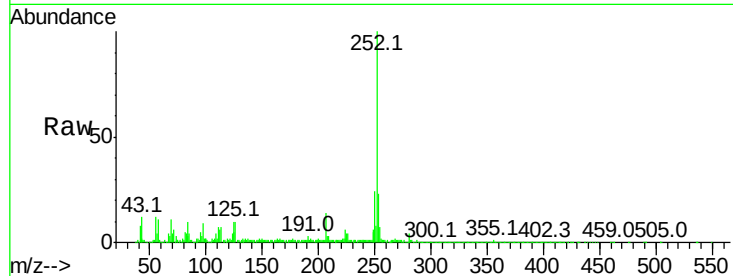
Tot Ion:252 Resp: 3768064

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

125 10.4 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 45.967 ng/ul

RT: 23.05 min Scan# 3394

Delta R.T. -0.03 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

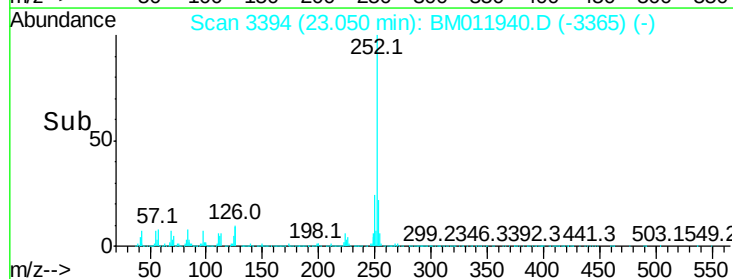
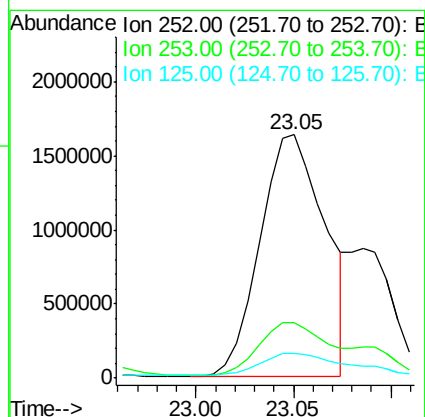
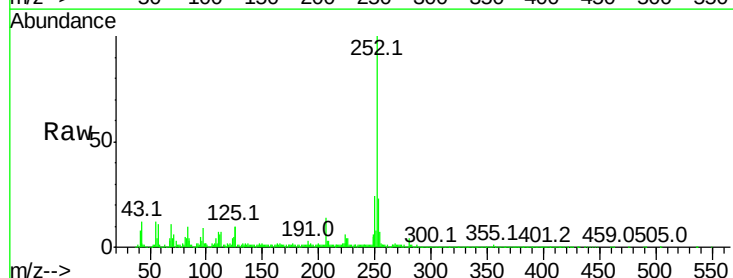
Tgt Ion:252 Resp: 3768064

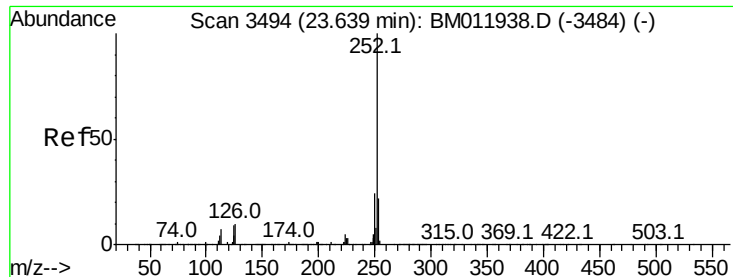
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 10.4 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 35.729 ng/ul

RT: 23.65 min Scan# 3496

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

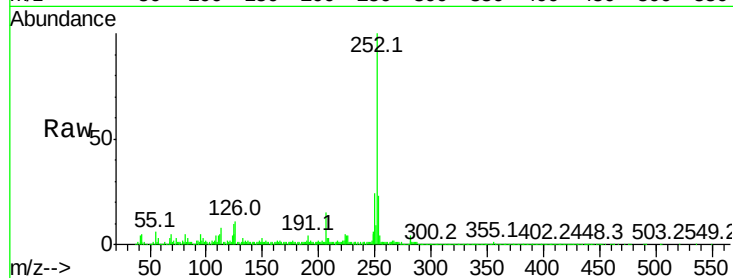
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 2818925

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	9.7	4.0	6.0

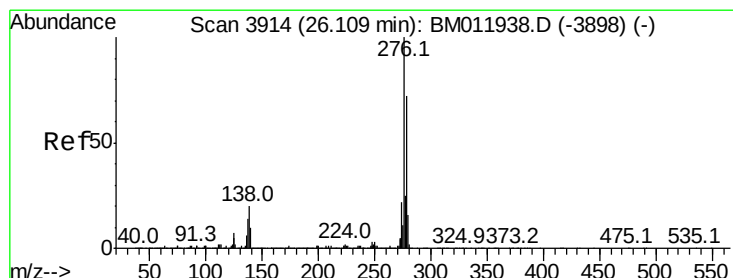
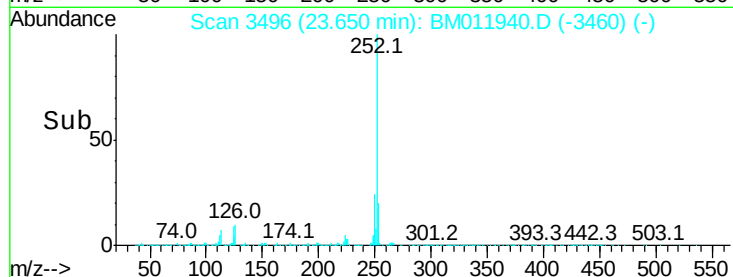
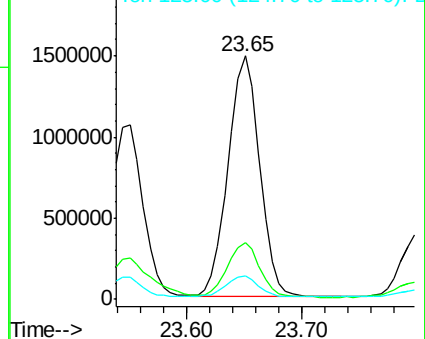


Abundance

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



#89

Indeno(1,2,3-cd)pyrene

Concen: 25.125 ng/ul

RT: 26.13 min Scan# 3918

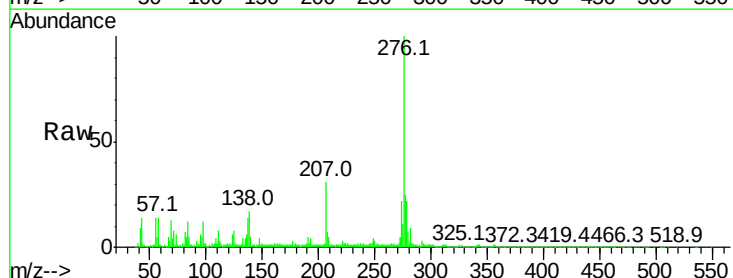
Delta R.T. 0.02 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion:276 Resp: 2121306

Ion	Ratio	Lower	Upper
276	100		
138	17.1	9.3	13.9
277	25.3	19.9	29.9

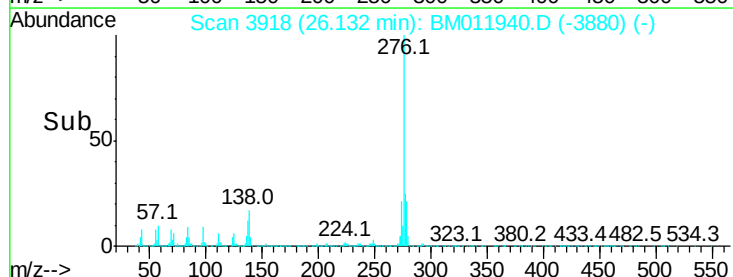
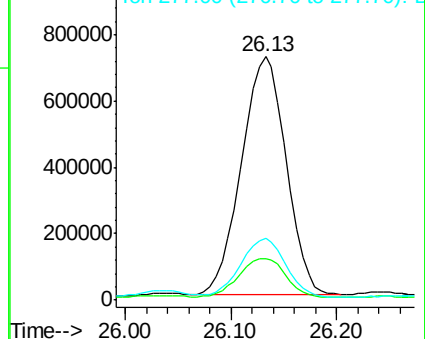


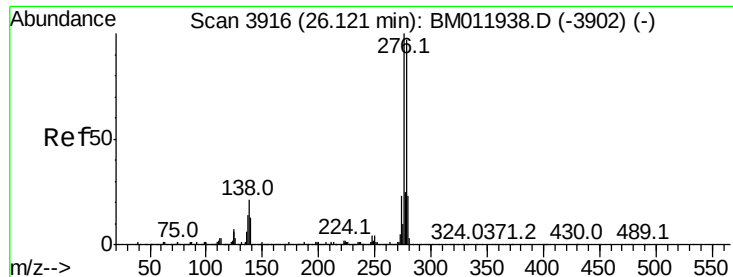
Abundance

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





#90

Dibenzo(a,h)anthracene

Concen: 7.736 ng/ul

RT: 26.13 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Instrument :

BNA_M

ClientSampleId :

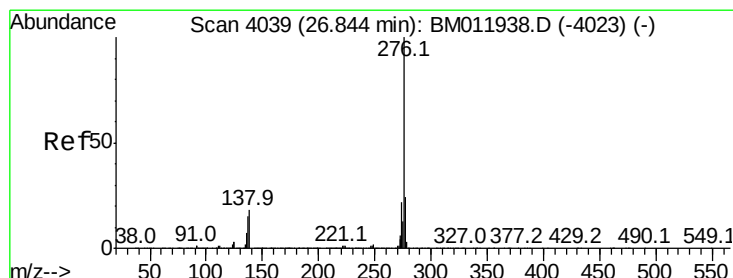
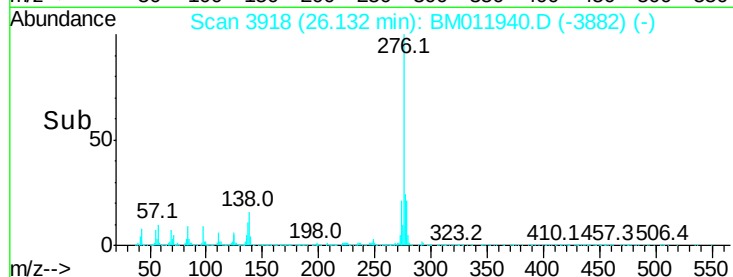
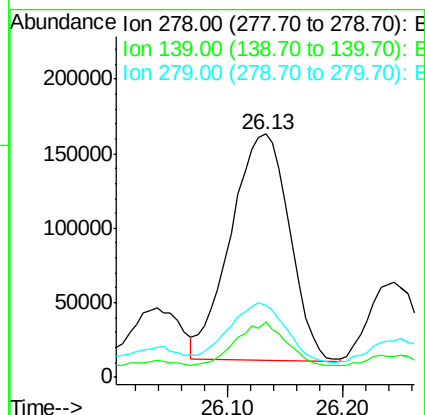
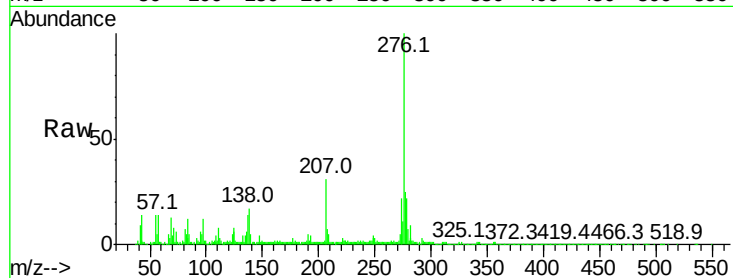
Tot Ion:278 Resp: 536712

Ion Ratio Lower Upper

278 100

139 22.7 5.8 8.8#

279 29.7 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 28.196 ng/ul

RT: 26.87 min Scan# 4043

Delta R.T. 0.02 min

Lab File: BM011940.D

Acq: 06 Oct 2017 15:10

Tgt Ion:276 Resp: 1969223

Ion Ratio Lower Upper

276 100

138 18.4 8.5 12.7#

277 24.8 18.6 28.0

