

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\
 Data File : BM011687.D
 Acq On : 22 Sep 2017 11:35
 Operator : SJ/JU
 Sample : I5283-14
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 22 23:52:37 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Sep 22 23:48:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	364501	20.00	ng/ul	0.00
18) Naphthalene-d8	10.77	136	1642750	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.59	164	882346	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.33	188	1737911	20.00	ng/ul	0.00
78) Chrysene-d12	21.50	240	1255578	20.00	ng/ul	0.00
86) Perylene-d12	23.87	264	1310499	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.39	96	29753	3.67	ng/uL	0.00
5) Phenol-d5	7.11	99	777053	22.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.28	67	569995	24.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.49	132	620120	23.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.66	113	534978	19.58	ng/ul	0.00
19) Nitrobenzene-d5	9.12	128	307027	24.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.85	143	332664	25.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.38	165	589070	22.57	ng/ul	0.00
29) 4-Chloroaniline-d4	10.90	131	232420	8.07	ng/ul	0.00
44) Dimethylphthalate-d6	13.99	166	1798147	24.11	ng/ul	0.00
47) Acenaphthylene-d8	14.29	160	2217784	24.58	ng/ul	0.00
52) 4-Nitrophenol-d4	14.77	143	232993	16.62	ng/ul	0.00
58) Fluorene-d10	15.58	176	1526135	23.62	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.70	200	201966	19.97	ng/ul	0.00
71) Anthracene-d10	17.43	188	2164043	25.29	ng/ul	0.00
79) Pyrene-d10	19.72	212	2146441	36.51	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.72	264	1714297	27.45	ng/ul	0.00

Target Compounds

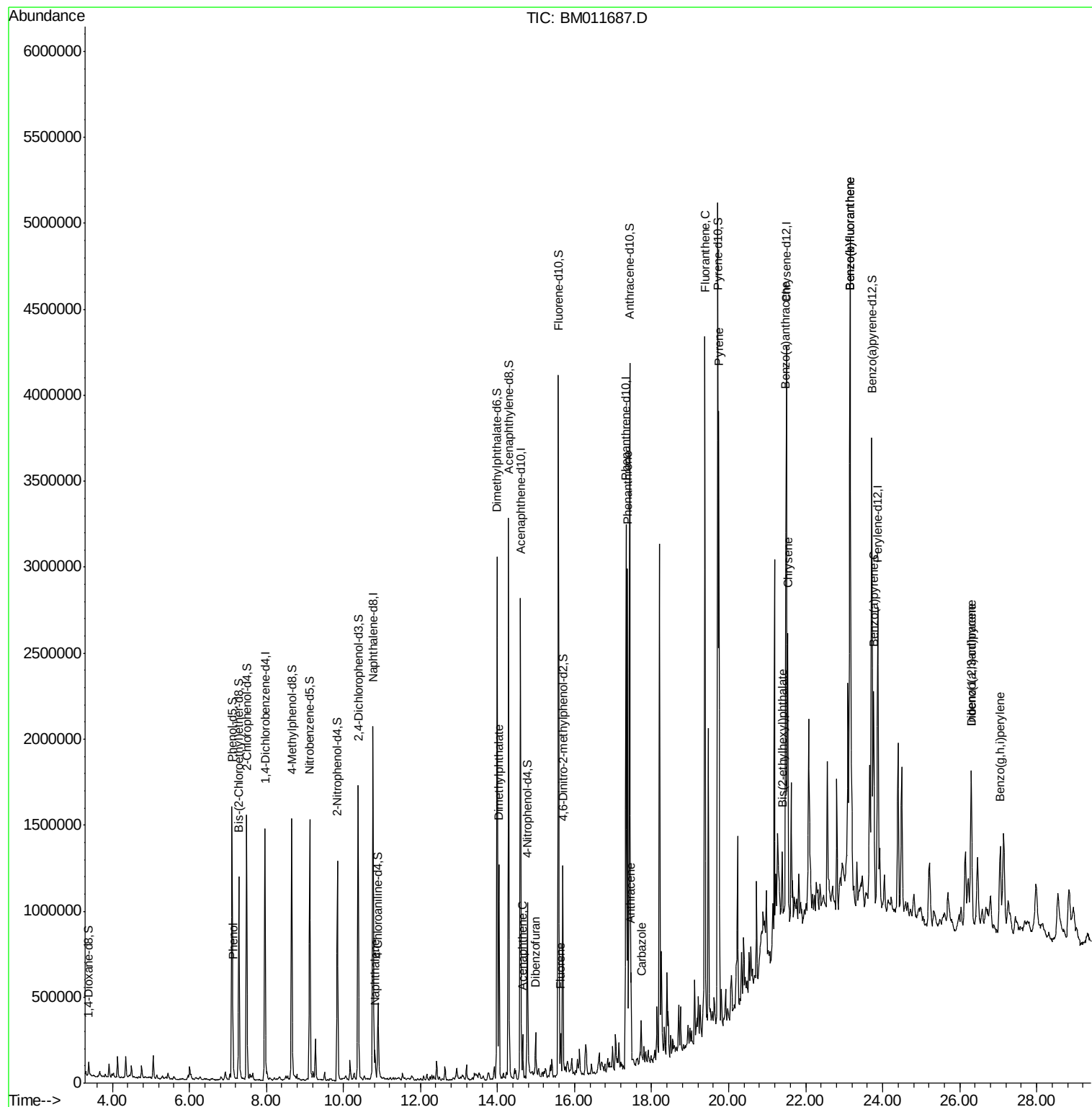
				Ovalue	
6) Phenol	7.13	94	52248	1.504	ng/ul# 83
28) Naphthalene	10.82	128	124324	1.459	ng/ul 96
45) Dimethylphthalate	14.04	163	705062	9.872	ng/ul# 98
50) Acenaphthene	14.66	153	95246	1.552	ng/ul 98
54) Dibenzofuran	14.99	168	88833	1.035	ng/ul 97
59) Fluorene	15.64	166	98426	1.369	ng/ul 96
70) Phenanthrene	17.37	178	1646573	16.998	ng/ul 99
72) Anthracene	17.47	178	338828	3.409	ng/ul 98
75) Carbazole	17.73	167	147920	1.744	ng/ul# 94
77) Fluoranthene	19.39	202	2328368	23.369	ng/ul# 93
80) Pyrene	19.74	202	2076876	28.351	ng/ul# 88
83) Benzo(a)anthracene	21.48	228	946377	13.689	ng/ul 99
84) Bis(2-ethylhexyl)phthalate	21.39	149	104124	2.013	ng/ul# 93
85) Chrysene	21.53	228	923085	14.728	ng/ul 98
88) Benzo(b)fluoranthene	23.15	252	1184296	15.022	ng/ul# 90
89) Benzo(k)fluoranthene	23.15	252	1184296	15.641	ng/ul# 89
91) Benzo(a)pyrene	23.77	252	846793	11.379	ng/ul# 96
92) Indeno(1,2,3-cd)pyrene	26.30	276	611601	7.471	ng/ul# 91
93) Dibenzo(a,h)anthracene	26.30	278	168155	2.423	ng/ul# 81
94) Benzo(g,h,i)perylene	27.05	276	634198	9.567	ng/ul# 92

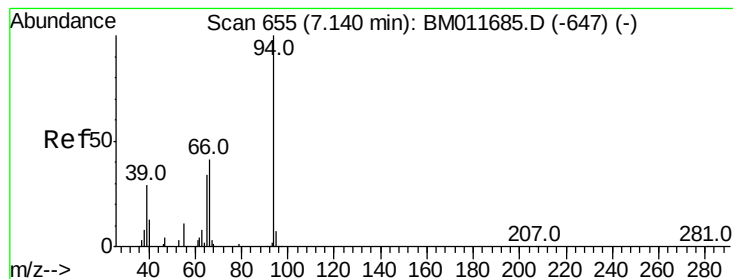
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092217\
Data File : BM011687.D
Acq On : 22 Sep 2017 11:35
Operator : SJ/JU
Sample : I5283-14
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampled :

Quant Time: Sep 22 23:52:37 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM090817MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 22 23:48:55 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.504 ng/ul

RT: 7.13 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

ClientSampled :

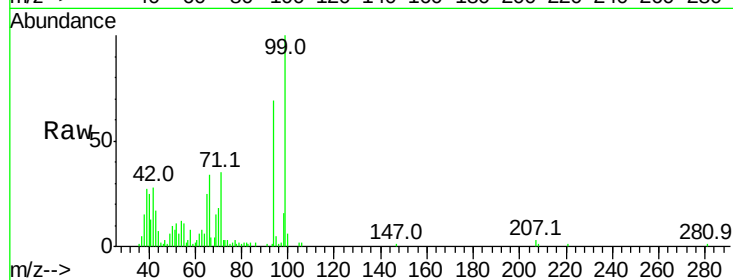
Tot Ion: 94 Resp: 52248

Ion Ratio Lower Upper

94 100

65 37.0 23.0 34.6#

66 48.9 30.4 45.6#



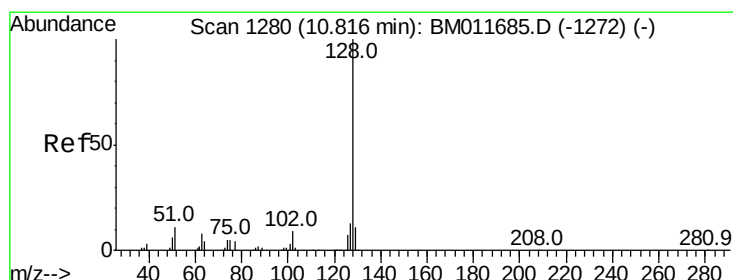
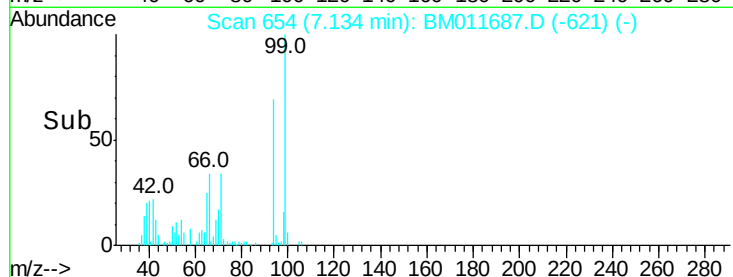
Abundance Ion 94.00 (93.70 to 94.70): BM011687.D (-647) (-)

Ion 65.00 (64.70 to 65.70): BM011687.D (-647) (-)

Ion 66.00 (65.70 to 66.70): BM011687.D (-647) (-)

7.13

Time-->



#28

Naphthalene

Concen: 1.459 ng/ul

RT: 10.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

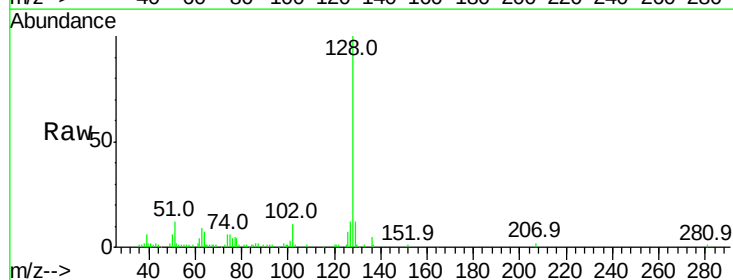
Tgt Ion:128 Resp: 124324

Ion Ratio Lower Upper

128 100

129 11.7 8.3 12.5

127 12.1 10.8 16.2



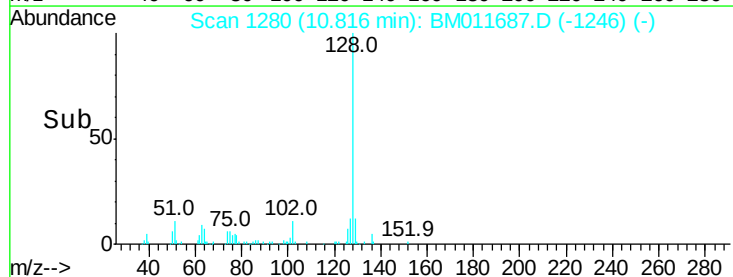
Abundance Ion 128.00 (127.70 to 128.70): BM011687.D (-1246) (-)

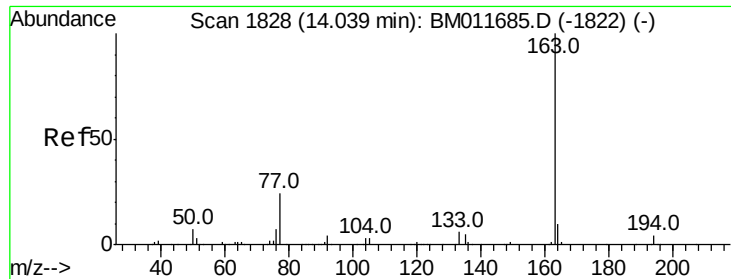
Ion 129.00 (128.70 to 129.70): BM011687.D (-1246) (-)

Ion 127.00 (126.70 to 127.70): BM011687.D (-1246) (-)

10.82

Time-->

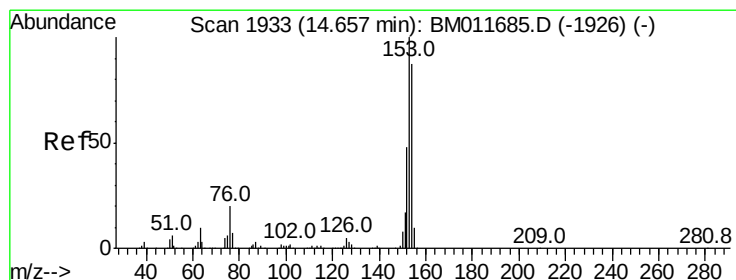
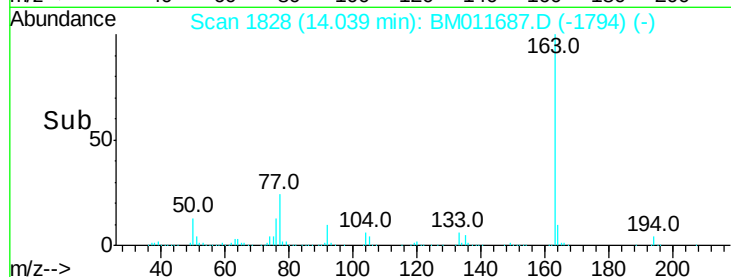
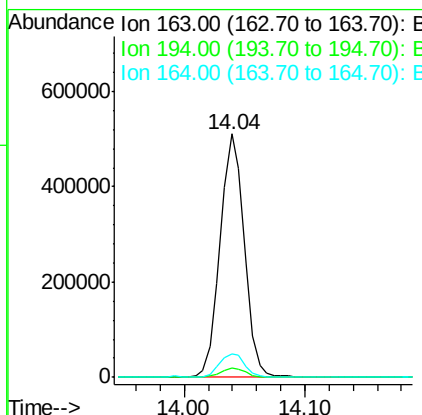
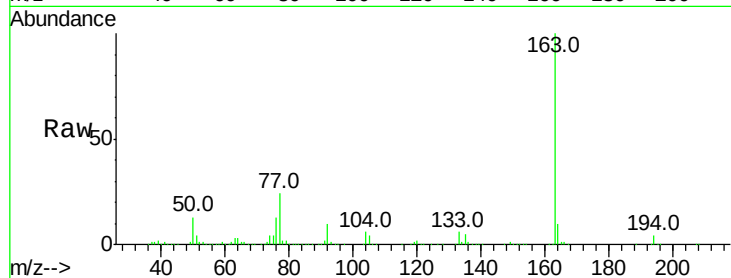




#45
Dimethylphthalate
Concen: 9.872 ng/ul
RT: 14.04 min Scan# 1828
Delta R.T. 0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

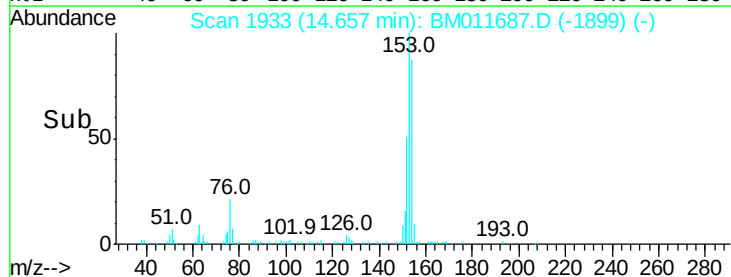
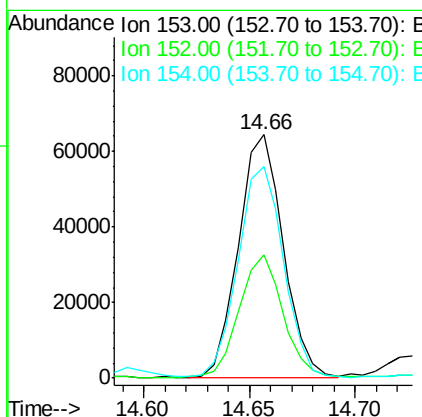
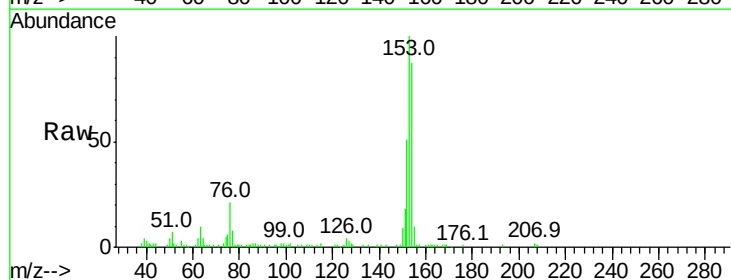
Instrument :
BNA_M
ClientSampleId :

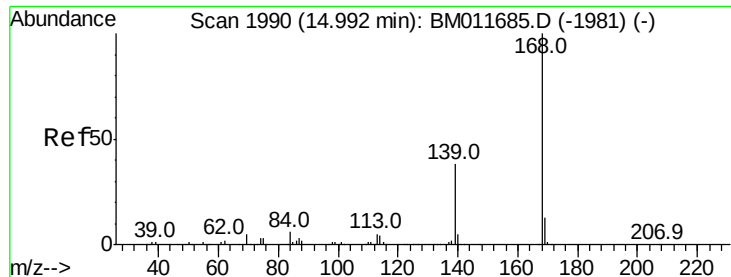
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	9.9	8.4	12.6



#50
Acenaphthene
Concen: 1.552 ng/ul
RT: 14.66 min Scan# 1933
Delta R.T. -0.00 min
Lab File: BM011687.D
Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Lower	Upper
153	100		
152	50.6	37.9	56.9
154	87.1	69.8	104.6





#54

Dibenzenofuran

Concen: 1.035 ng/ul

RT: 14.99 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

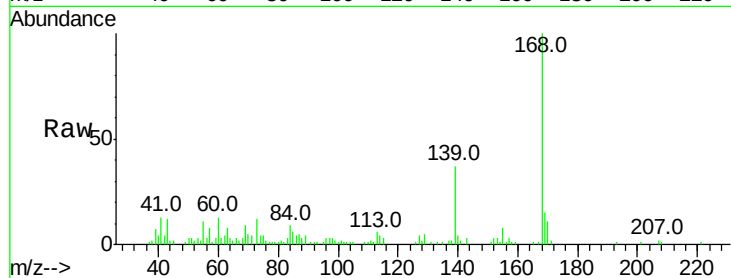
ClientSampleId :

Tot Ion:168 Resp: 88833

Ion Ratio Lower Upper

168 100

139 36.8 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.99

60000

50000

40000

30000

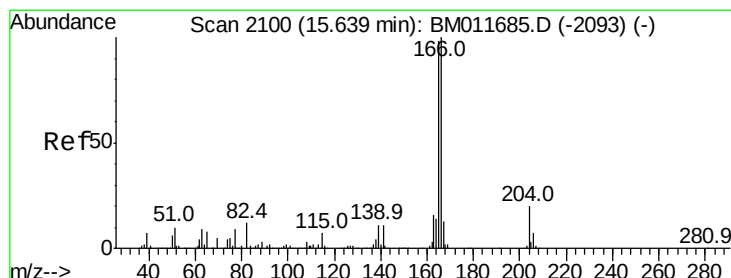
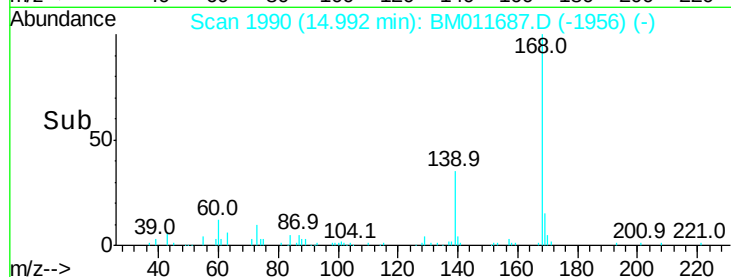
20000

10000

0

14.95 15.00 15.05

Time-->



#59

Fluorene

Concen: 1.369 ng/ul

RT: 15.64 min Scan# 2100

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

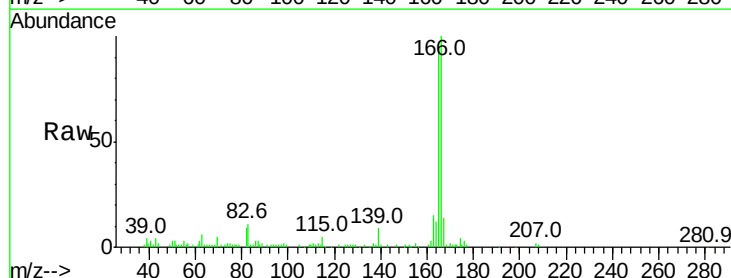
Tgt Ion:166 Resp: 98426

Ion Ratio Lower Upper

166 100

165 94.0 78.4 117.6

167 13.6 11.1 16.7



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

15.64

80000

60000

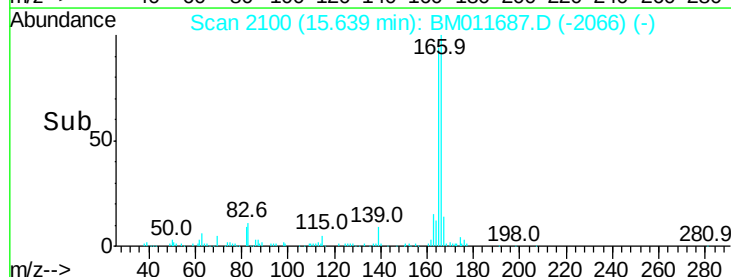
40000

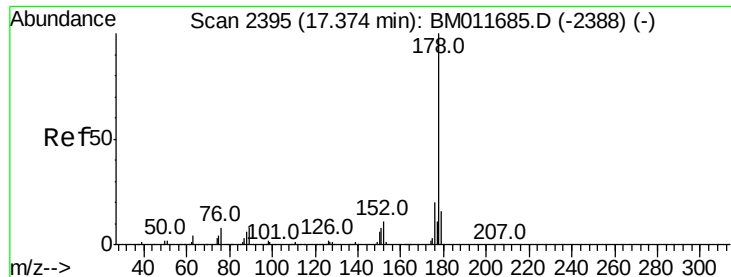
20000

0

15.60 15.65 15.70

Time-->





#70

Phenanthrene

Concen: 16.998 ng/ul

RT: 17.37 min Scan# 2395

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

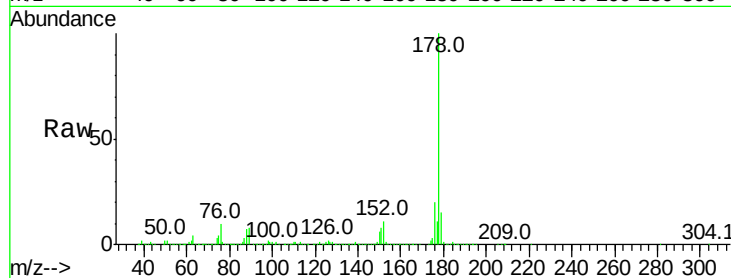
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1646573

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.8	15.4	23.0

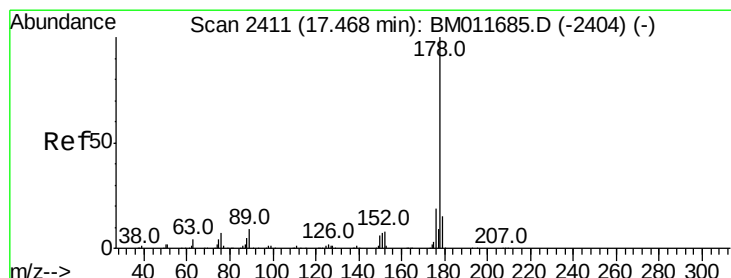
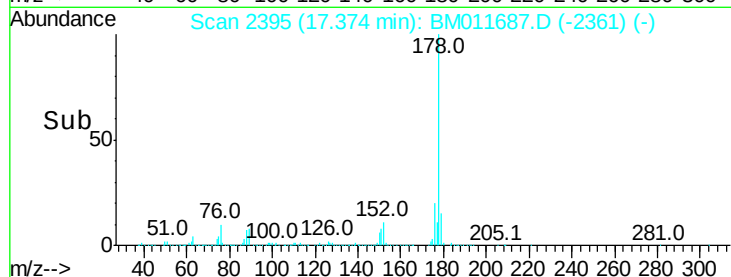
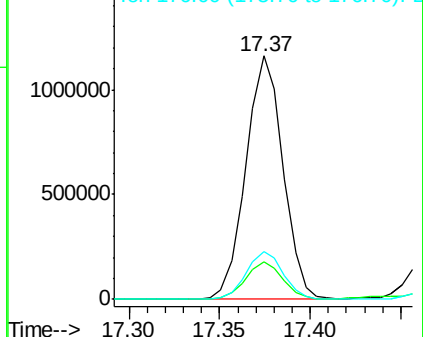


Abundance

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

Anthracene

Concen: 3.409 ng/ul

RT: 17.47 min Scan# 2411

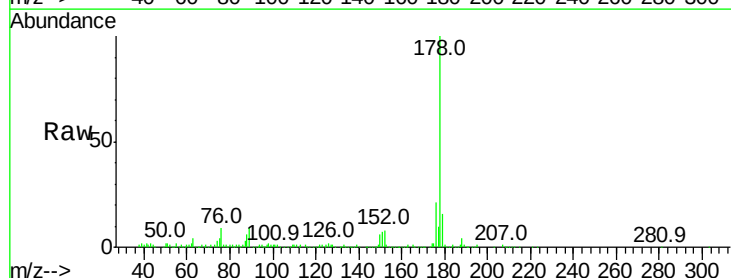
Delta R.T. -0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Tgt Ion:178 Resp: 338828

Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.4	20.2
176	20.6	15.4	23.0

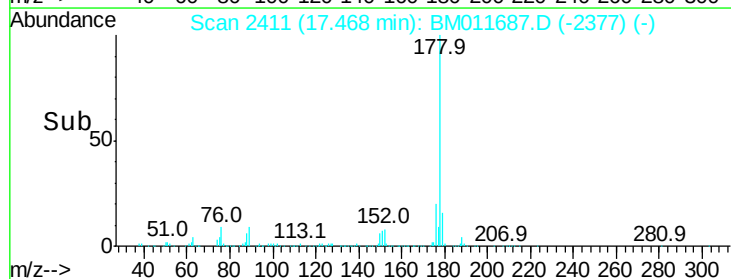
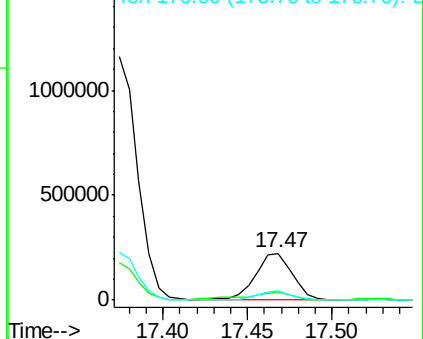


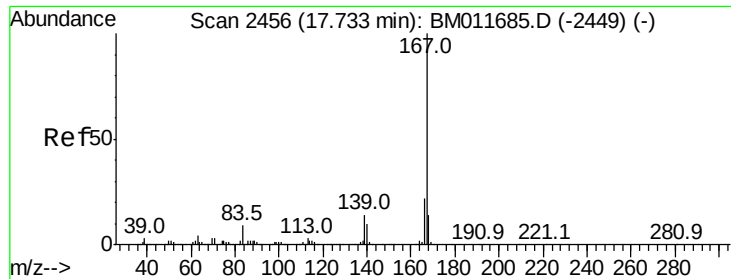
Abundance

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

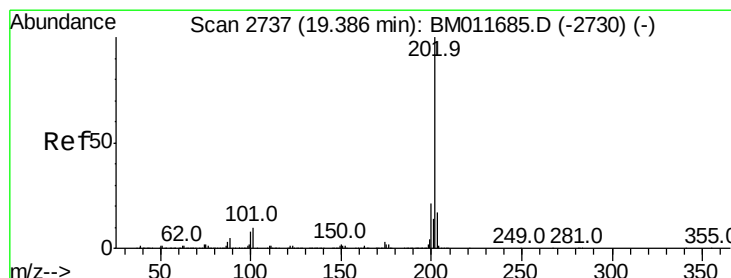
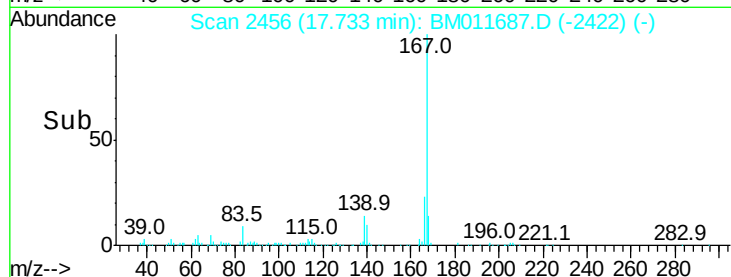
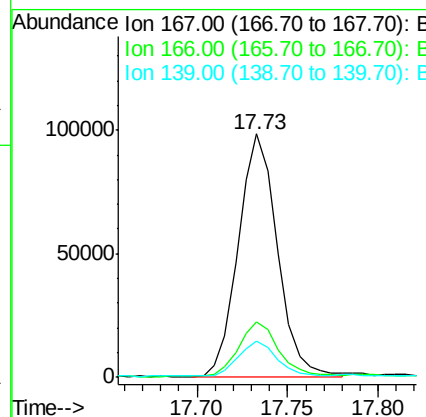
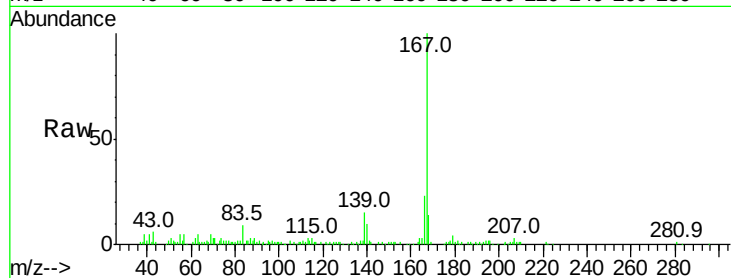




#75
 Carbazole
 Concen: 1.744 ng/ul
 RT: 17.73 min Scan# 2456
 Delta R.T. 0.00 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

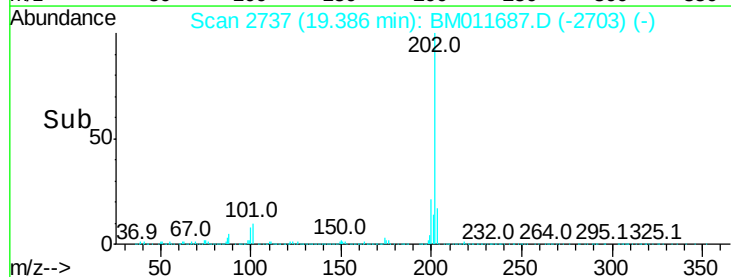
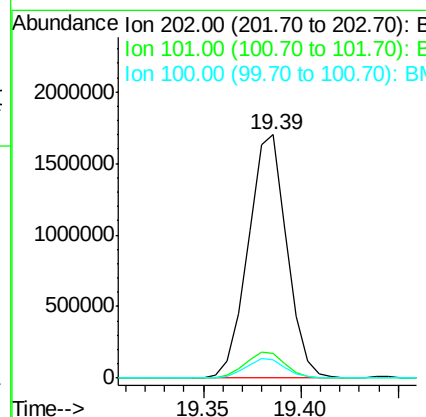
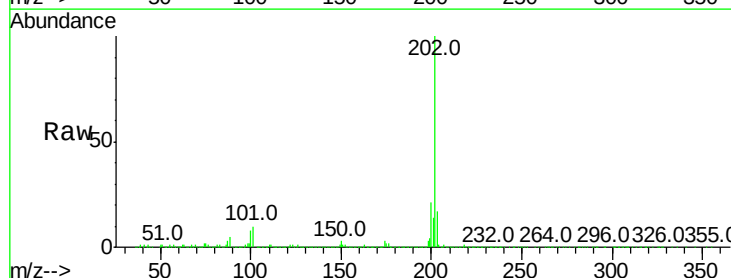
Instrument :
 BNA_M
 ClientSampleId :

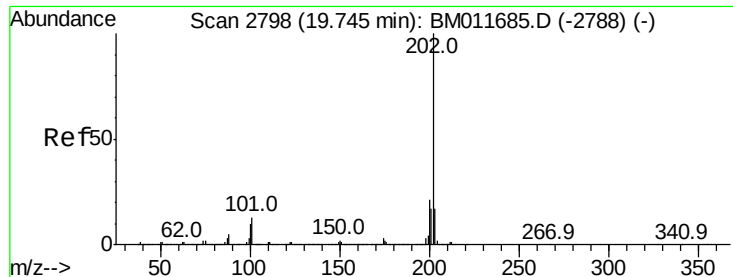
Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.0	25.4
139	15.0	9.1	13.7#



#77
 Fluoranthene
 Concen: 23.369 ng/ul
 RT: 19.39 min Scan# 2737
 Delta R.T. 0.00 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.2	6.1	9.1#
100	7.7	4.6	7.0#

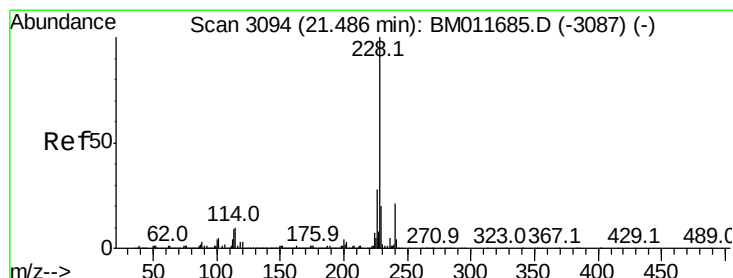
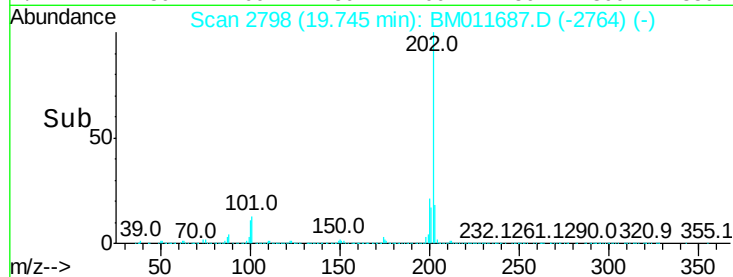
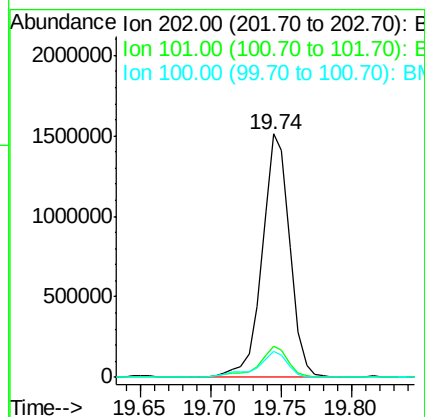
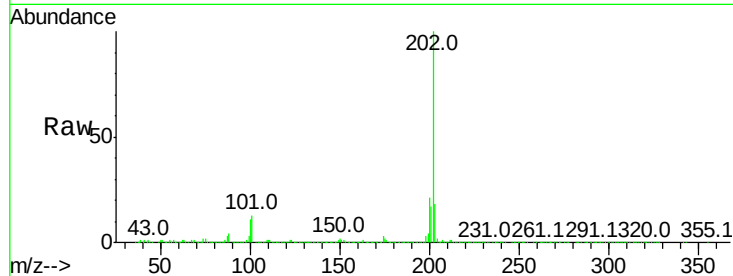




#80
 Pvrene
 Concen: 28.351 ng/ul
 RT: 19.74 min Scan# 2798
 Delta R.T. 0.00 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

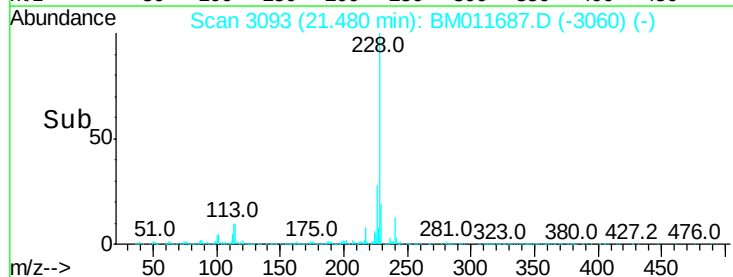
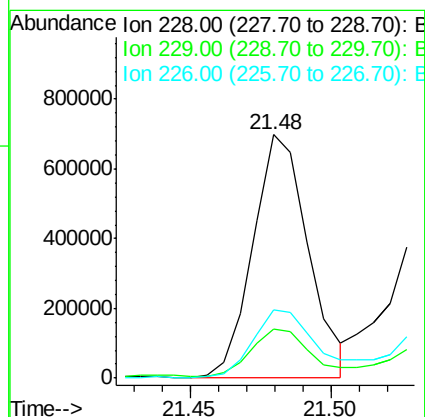
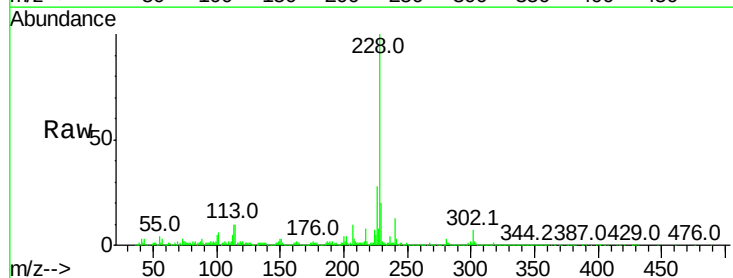
Instrument :
 BNA_M
 ClientSampleId :

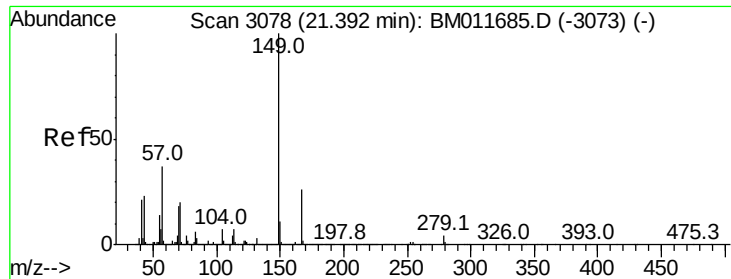
Tot Ion:202 Resp: 2076876
 Ion Ratio Lower Upper
 202 100
 101 13.0 6.9 10.3#
 100 10.7 5.6 8.4#



#83
 Benzo(a)anthracene
 Concen: 13.689 ng/ul
 RT: 21.48 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM011687.D
 Acq: 22 Sep 2017 11:35

Tgt Ion:228 Resp: 946377
 Ion Ratio Lower Upper
 228 100
 229 20.1 16.0 24.0
 226 28.3 21.8 32.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.013 ng/ul

RT: 21.39 min Scan# 3078

Delta R.T. 0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

ClientSampleId :

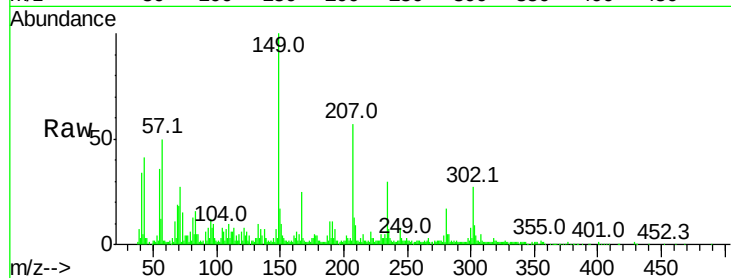
Tot Ion:149 Resp: 104124

Ion Ratio Lower Upper

149 100

167 24.8 23.0 34.6

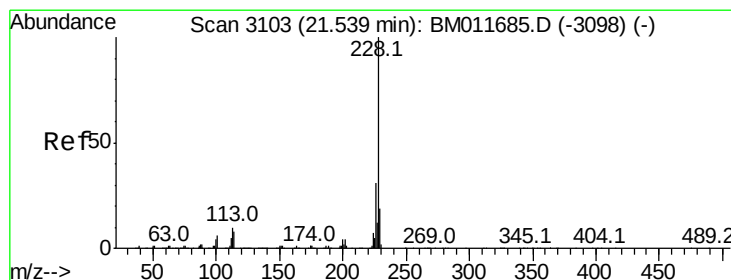
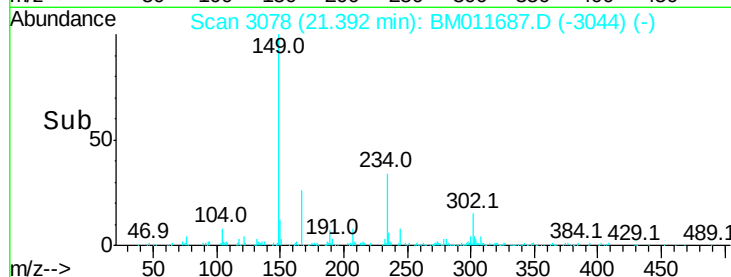
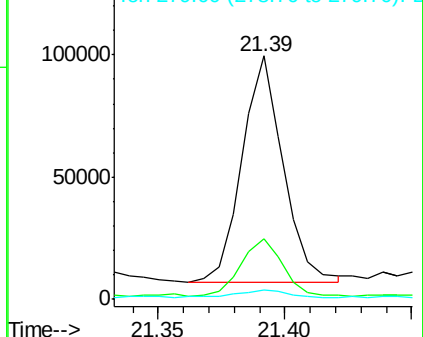
279 4.1 4.3 6.5#



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



#85

Chrysene

Concen: 14.728 ng/ul

RT: 21.53 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

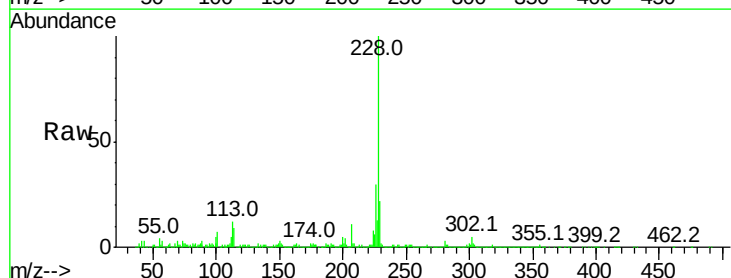
Tgt Ion:228 Resp: 923085

Ion Ratio Lower Upper

228 100

226 30.1 24.1 36.1

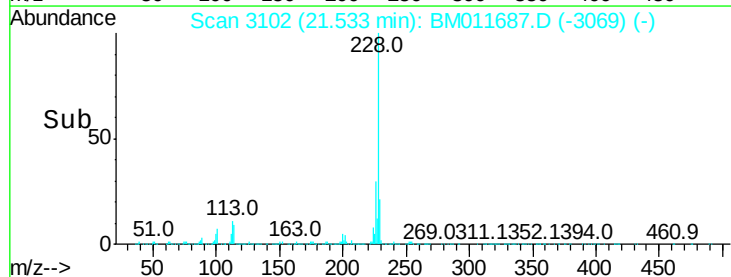
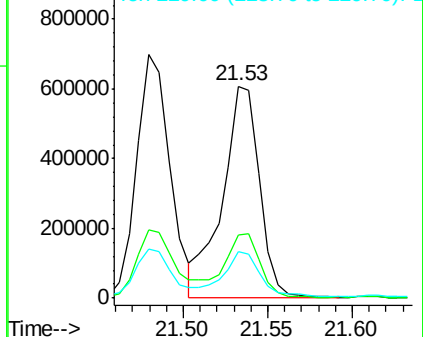
229 22.0 16.0 24.0

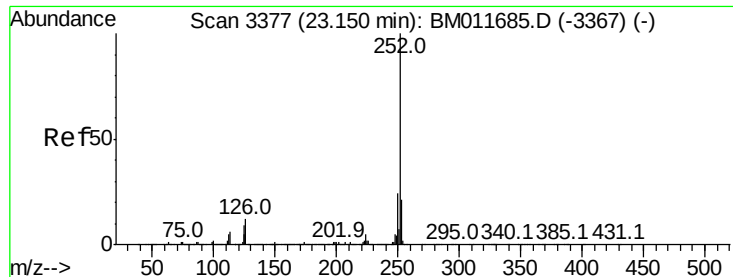


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 15.022 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

ClientSampleId :

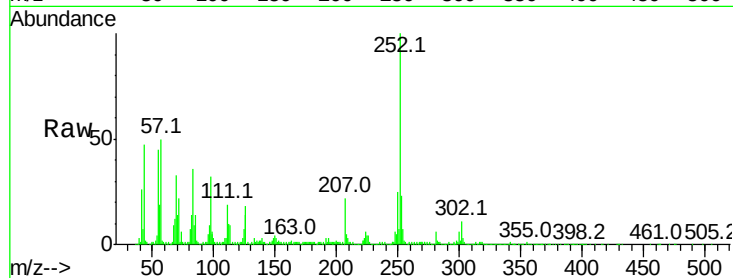
Tot Ion:252 Resp: 1184296

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

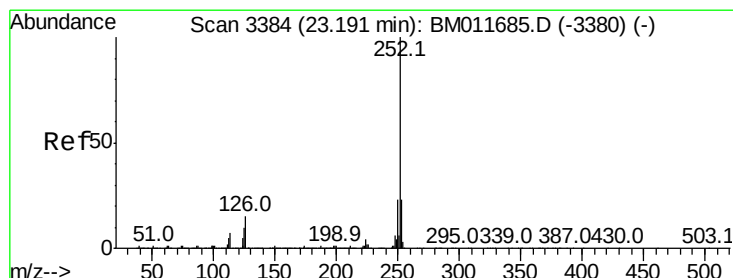
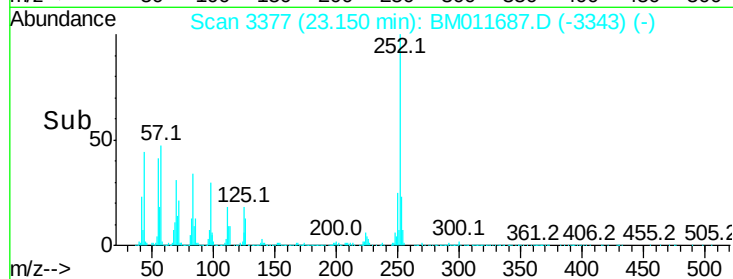
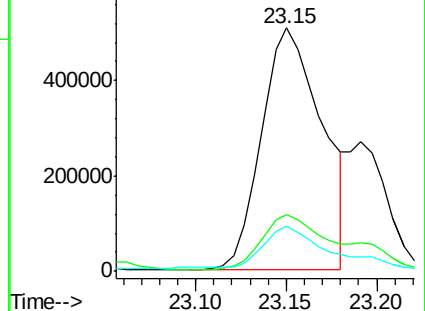
125 18.4 4.9 7.3#



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

Benzo(k)fluoranthene

Concen: 15.641 ng/ul

RT: 23.15 min Scan# 3377

Delta R.T. -0.04 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

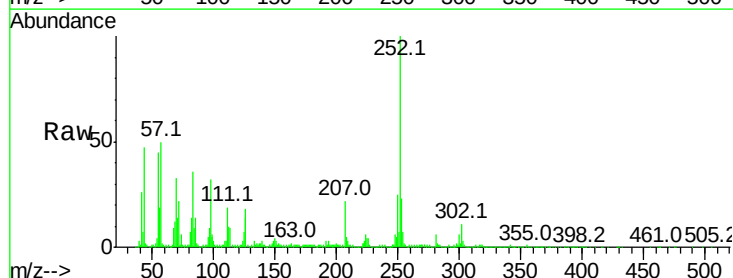
Tgt Ion:252 Resp: 1184296

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

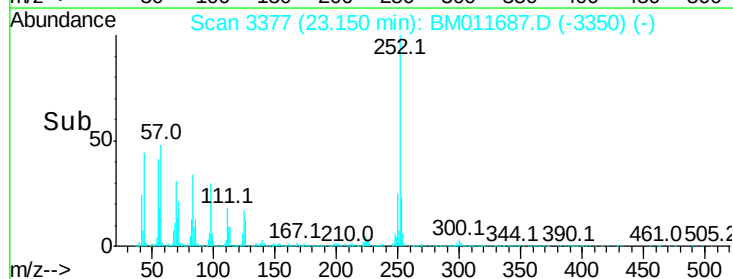
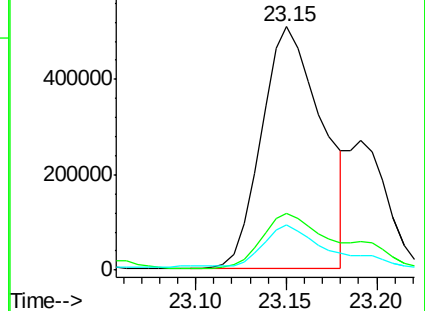
125 18.4 5.4 8.0#

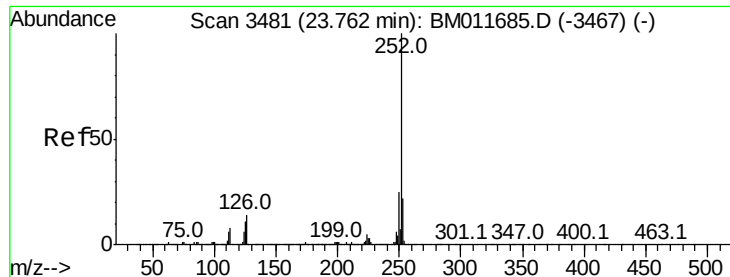


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 11.379 ng/ul

RT: 23.77 min Scan# 3482

Delta R.T. 0.01 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

ClientSampleId :

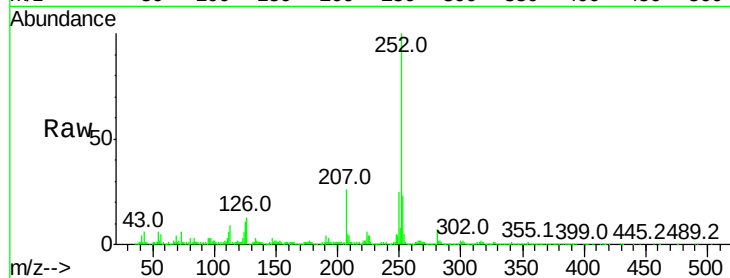
Tot Ion:252 Resp: 846793

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

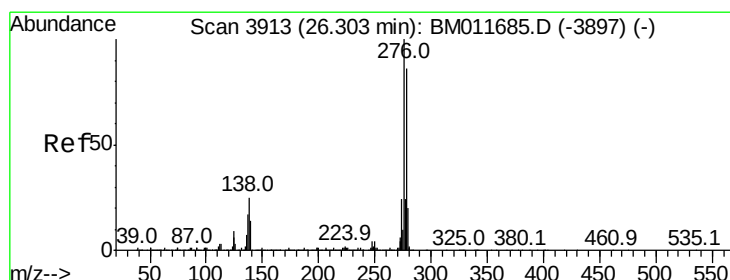
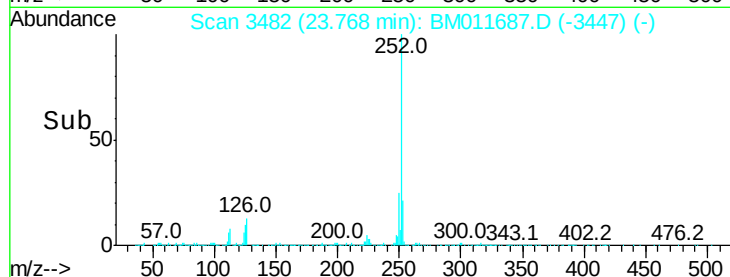
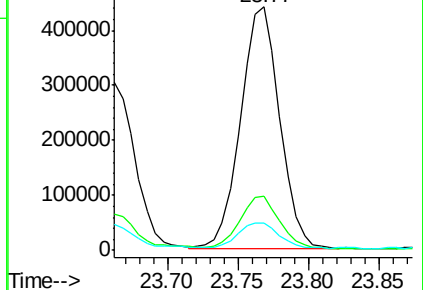
125 11.1 5.8 8.6#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 7.471 ng/ul

RT: 26.30 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

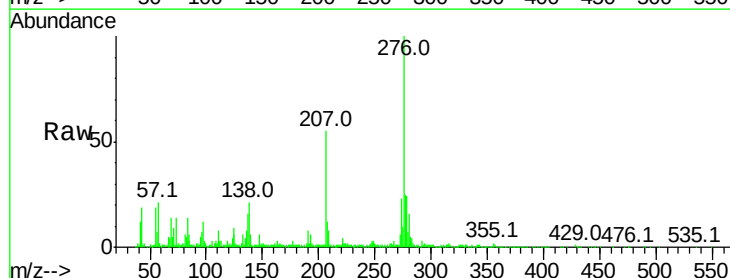
Tgt Ion:276 Resp: 611601

Ion Ratio Lower Upper

276 100

138 21.4 10.9 16.3#

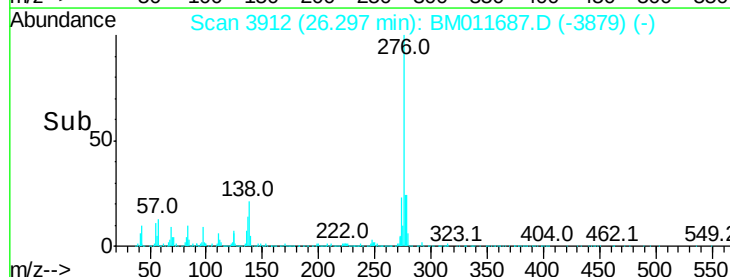
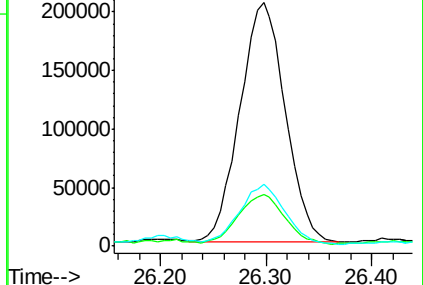
277 25.2 18.9 28.3

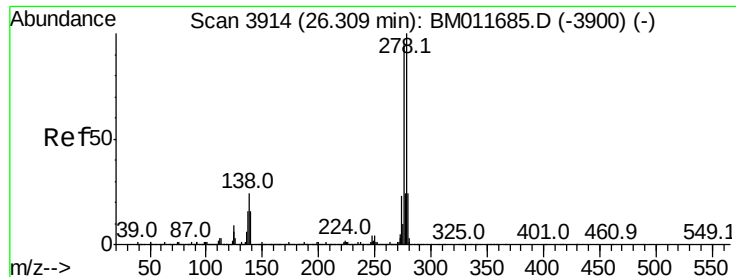


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 2.423 ng/ul

RT: 26.30 min Scan# 3912

Delta R.T. -0.01 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Instrument :

BNA_M

ClientSampleId :

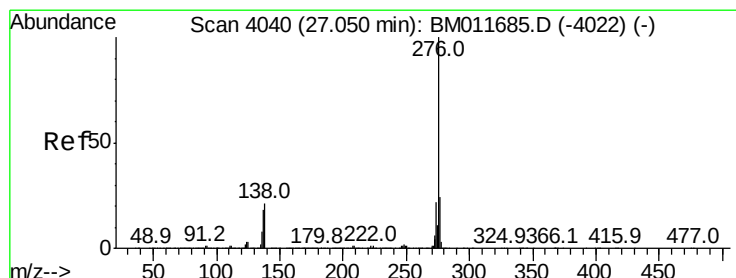
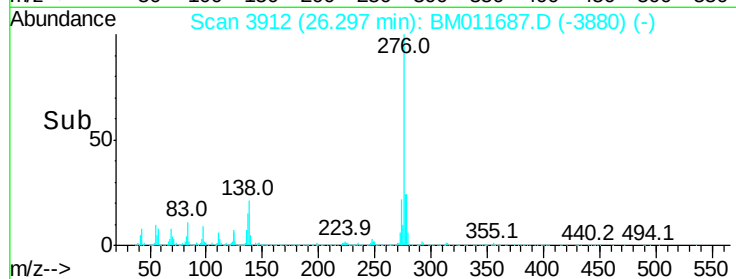
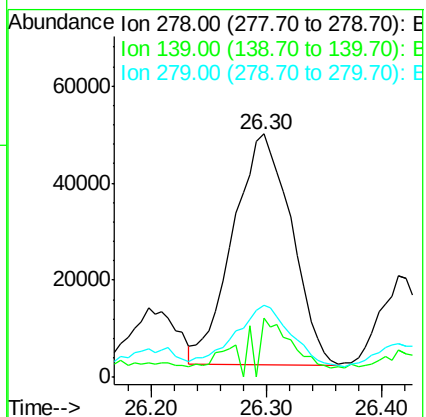
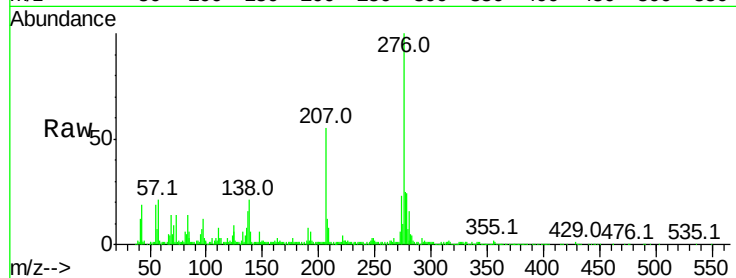
Tot Ion:278 Resp: 168155

Ion Ratio Lower Upper

278 100

139 24.5 9.0 13.4#

279 29.4 19.1 28.7#



#94

Benzo(g,h,i)perylene

Concen: 9.567 ng/ul

RT: 27.05 min Scan# 4040

Delta R.T. -0.00 min

Lab File: BM011687.D

Acq: 22 Sep 2017 11:35

Tgt Ion:276 Resp: 634198

Ion Ratio Lower Upper

276 100

138 20.5 11.2 16.8#

277 21.9 19.0 28.6

