

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014419.D
 Acq On : 01 Mar 2018 02:09
 Operator : SJ/JU
 Sample : J1646-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4

Quant Time: Mar 01 03:07:24 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	82266	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	388627	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	259343	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.93	188	644399	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	814978	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	786427	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	8977	4.67	ng/uL	0.00
5) Phenol-d5	6.71	99	258352	37.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	159184	37.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	205120	38.47	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	221651	36.43	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	116271	40.49	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	128607	43.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	231425	37.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	267630	44.12	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	892290	41.66	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1112117	42.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	113048	38.23	ng/ul	0.00
57) Fluorene-d10	15.17	176	793809	41.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	115941	29.99	ng/ul	0.00
70) Anthracene-d10	17.03	188	1278128	41.11	ng/ul	0.00
76) Pyrene-d10	19.34	212	1590719	37.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	1572364	41.08	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.74	94	29842	4.090	ng/ul	97
28) Naphthalene	10.33	128	55521	2.782	ng/ul	98
30) 4-Chloroaniline	10.33	127	7581	1.226	ng/ul#	24
34) 2-Methylnaphthalene	11.97	142	31097	2.047	ng/ul	88
44) Dimethylphthalate	13.65	163	211204	10.001	ng/ul	97
47) Acenaphthylene	13.89	152	198496	7.952	ng/ul	98
49) Acenaphthene	14.24	153	102823	5.850	ng/ul	99
53) Dibenzofuran	14.58	168	187181	7.102	ng/ul#	87
58) Fluorene	15.23	166	168079	7.387	ng/ul#	96
69) Phenanthrene	16.98	178	3587194	96.618	ng/ul	100
71) Anthracene	17.07	178	549187	14.708	ng/ul	98
72) Carbazole	17.35	167	171016	5.447	ng/ul	97
74) Fluoranthene	19.01	202	4274618	96.367	ng/ul#	91
77) Pyrene	19.38	202	3683587	68.012	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	1572074	30.908	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.07	149	90710	2.828	ng/ul#	96
82) Chrysene	21.19	228	1385451	29.199	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	1659846	31.521	ng/ul#	98
86) Benzo(k)fluoranthene	22.72	252	503685	10.061	ng/ul#	94
88) Benzo(a)pyrene	23.23	252	1189659	25.282	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.49	276	640646	14.031	ng/ul	97
90) Dibenzo(a,h)anthracene	25.48	278	175343	4.621	ng/ul#	88
91) Benzo(g,h,i)perylene	26.14	276	422441	11.421	ng/ul#	94

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Response via : Initial Calibration

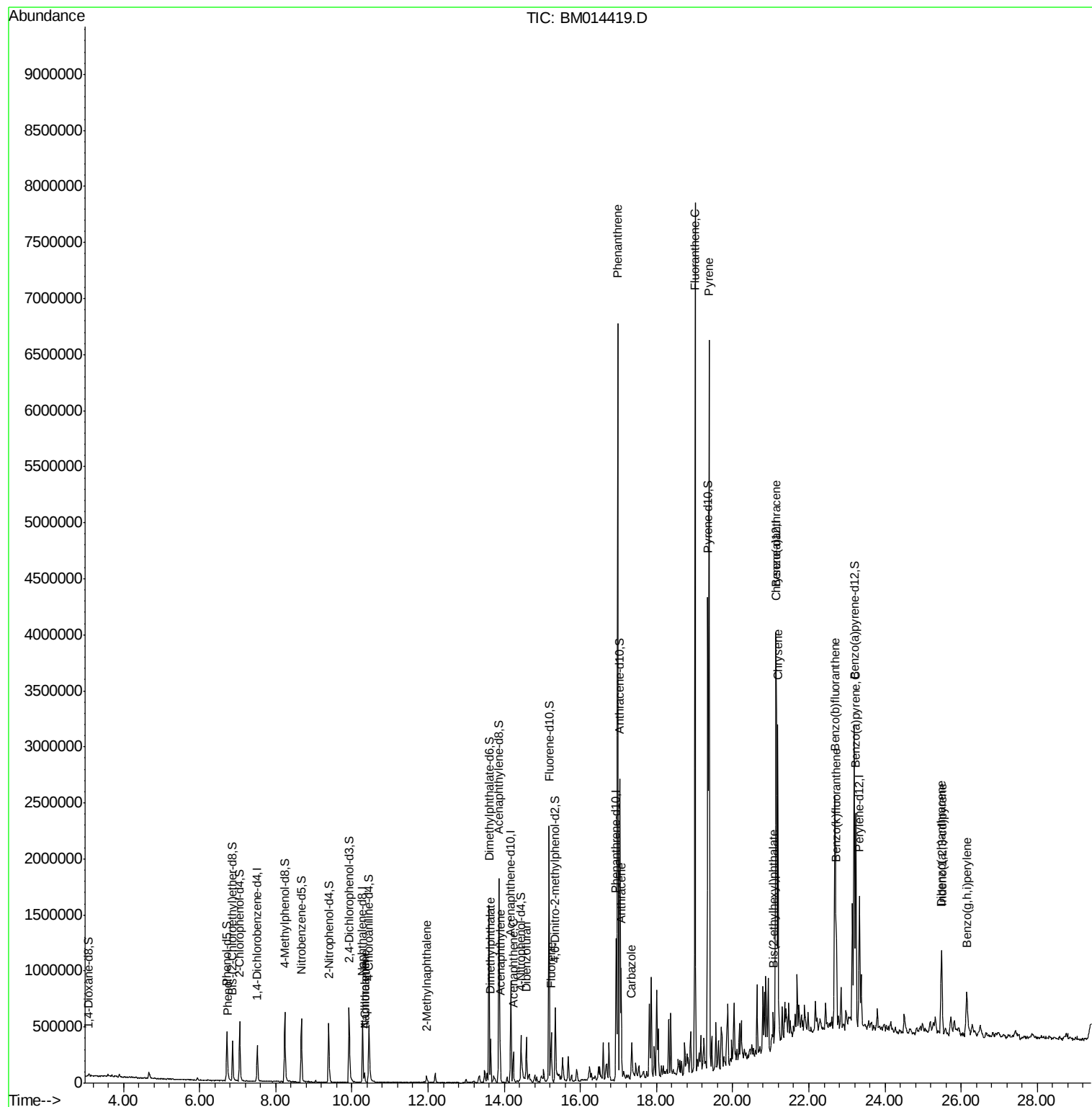
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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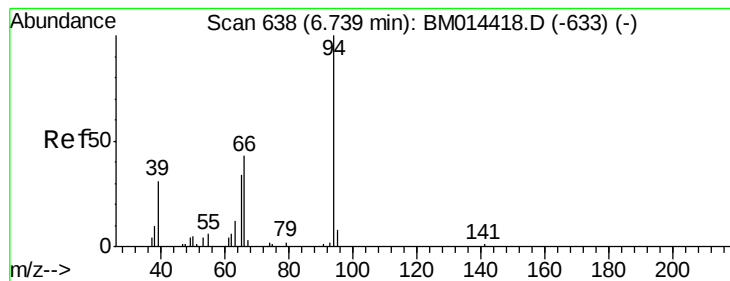
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.090 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

ClientSampleId :

BE5X4

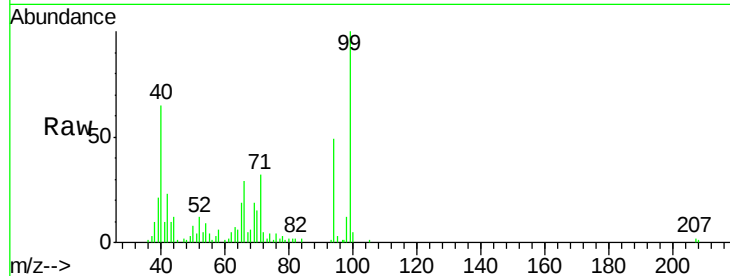
Tot Ion: 94 Resp: 29842

Ion Ratio Lower Upper

94 100

65 39.2 28.2 42.4

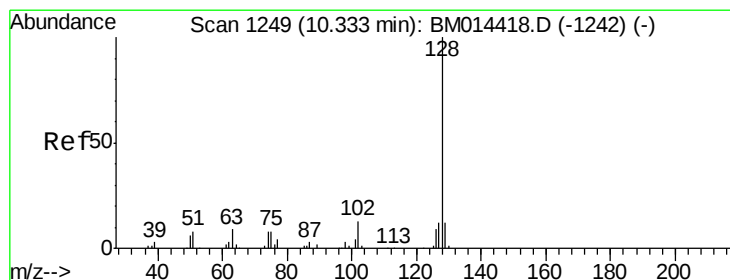
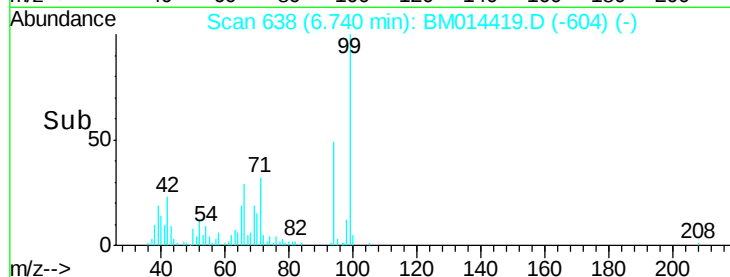
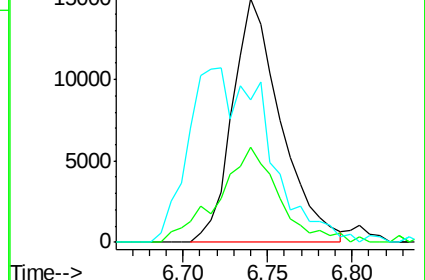
66 58.6 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM014418.D (-633) (-)

Ion 65.00 (64.70 to 65.70): BM014418.D (-633) (-)

Ion 66.00 (65.70 to 66.70): BM014418.D (-633) (-)



#28

Naphthalene

Concen: 2.782 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

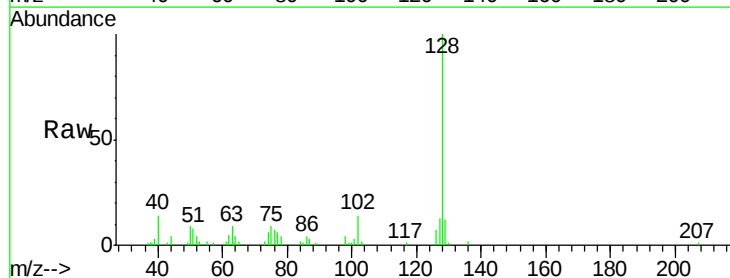
Tgt Ion: 128 Resp: 55521

Ion Ratio Lower Upper

128 100

129 12.4 8.8 13.2

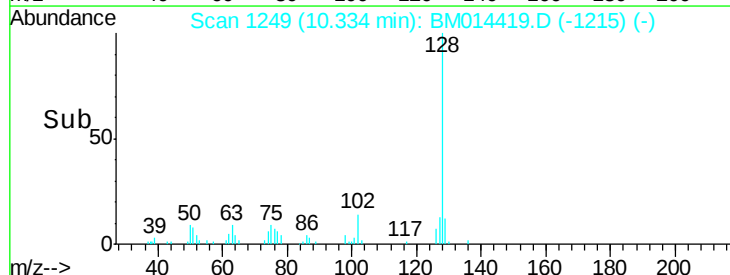
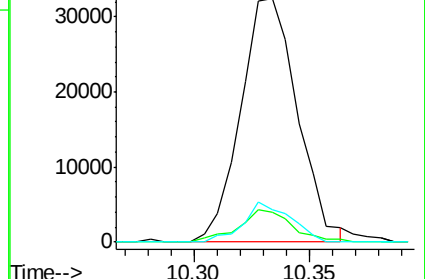
127 13.2 10.6 16.0

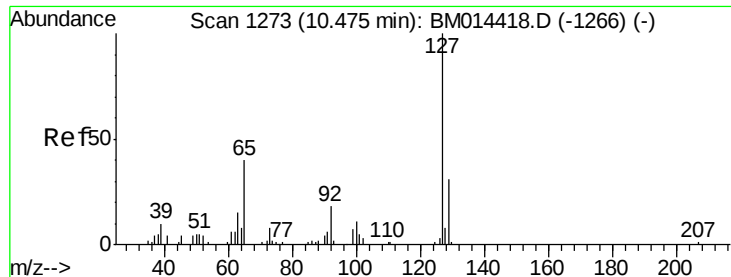


Abundance Ion 128.00 (127.70 to 128.70): BM014418.D (-1242) (-)

Ion 129.00 (128.70 to 129.70): BM014418.D (-1242) (-)

Ion 127.00 (126.70 to 127.70): BM014418.D (-1242) (-)

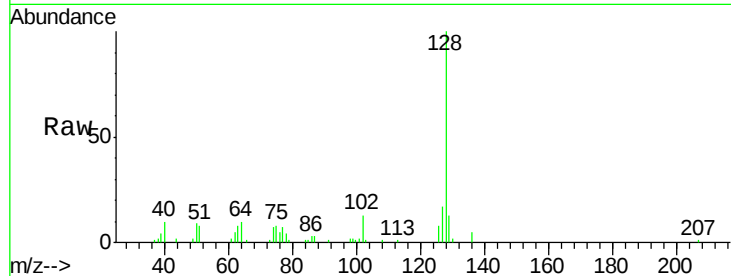




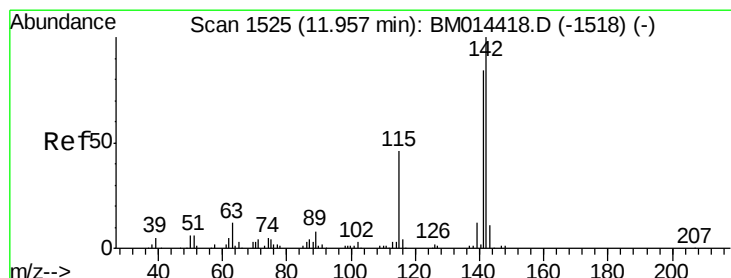
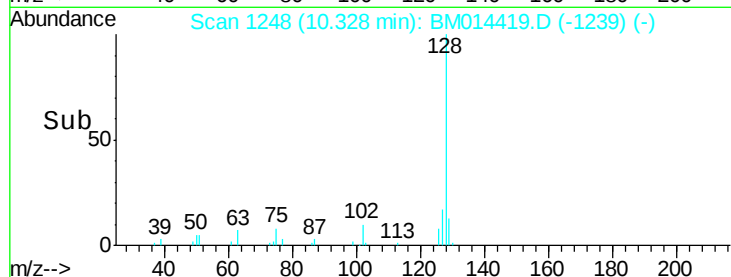
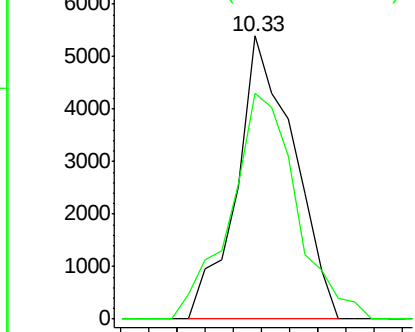
#30
4-Chloroaniline
Concen: 1.226 ng/ul
RT: 10.33 min Scan# 1248
Delta R.T. -0.15 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Instrument :
BNA_M
ClientSampleId :
BE5X4

Tot Ion:127 Resp: 7581
Ion Ratio Lower Upper
127 100
129 79.7 28.4 42.6#

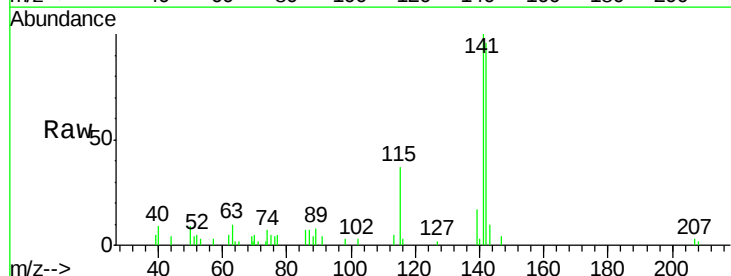


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

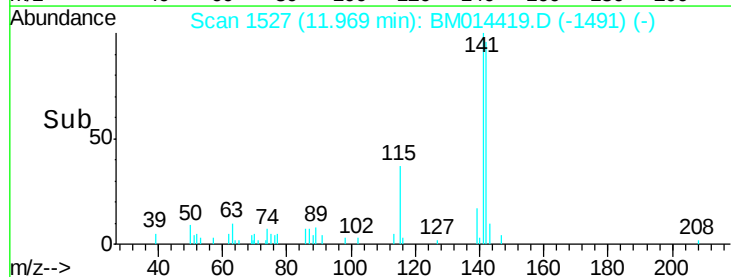
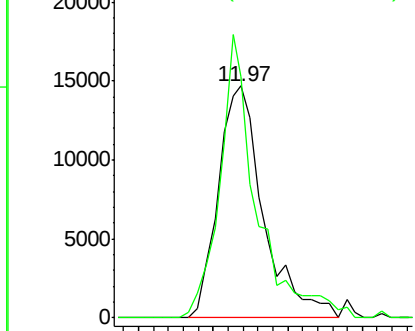


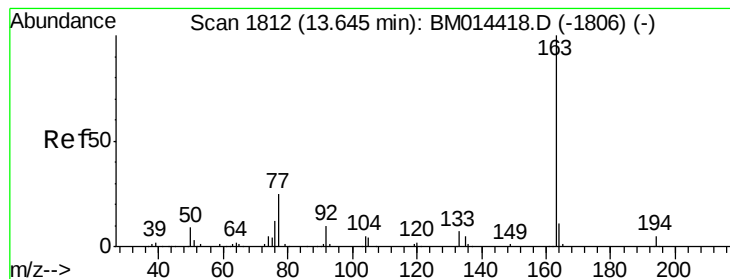
#34
2-Methylnaphthalene
Concen: 2.047 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion:142 Resp: 31097
Ion Ratio Lower Upper
142 100
141 103.9 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 10.001 ng/ul

RT: 13.65 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

ClientSampleId :

BE5X4

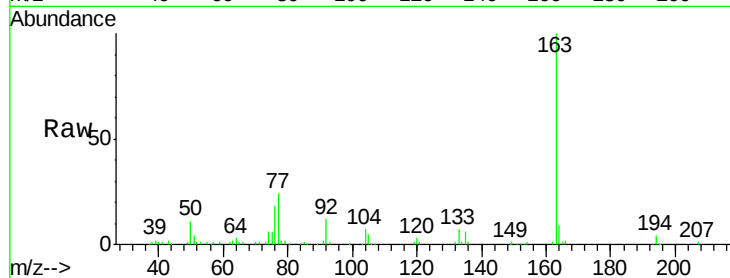
Tot Ion:163 Resp: 211204

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

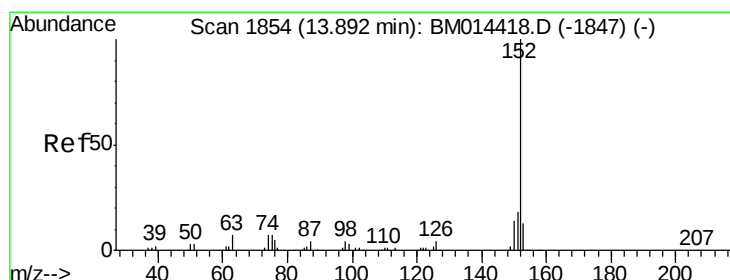
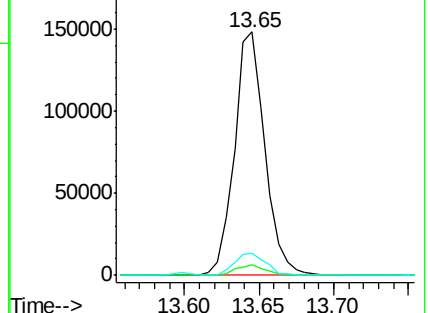
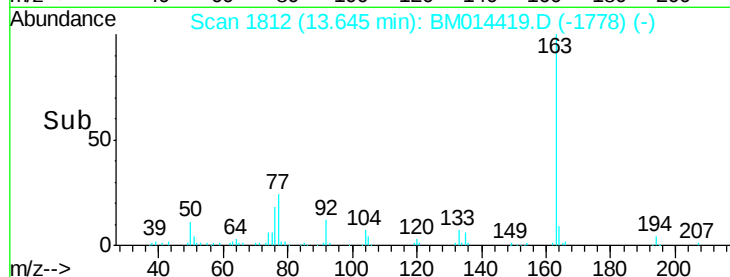
164 9.0 8.2 12.4



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: 7.952 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

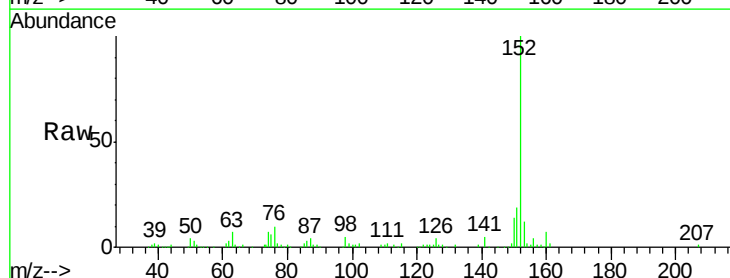
Tgt Ion:152 Resp: 198496

Ion Ratio Lower Upper

152 100

151 19.4 16.3 24.5

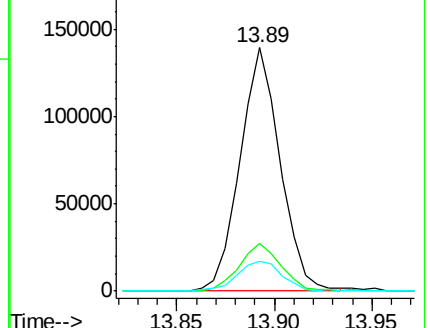
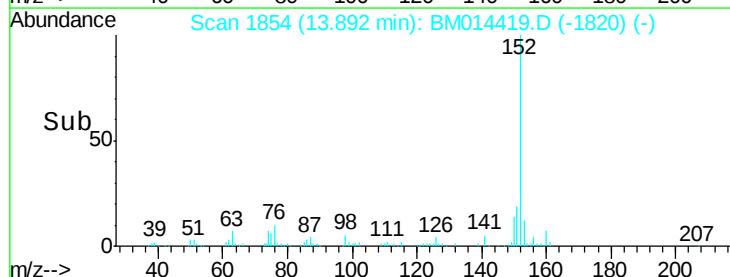
153 12.1 10.2 15.4

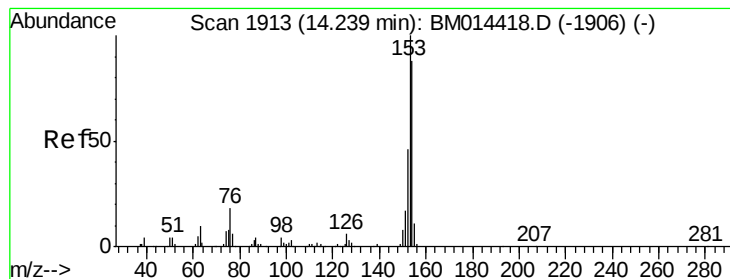


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 5.850 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

ClientSampleId :

BE5X4

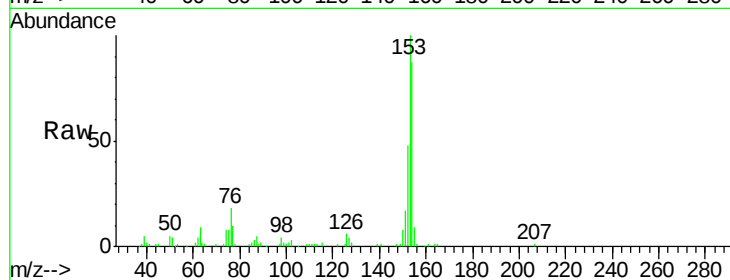
Tot Ion:153 Resp: 102823

Ion Ratio Lower Upper

153 100

152 47.7 37.6 56.4

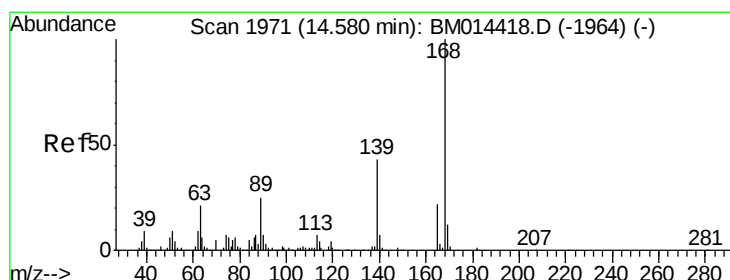
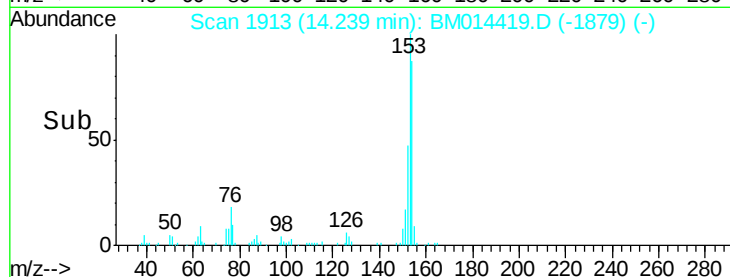
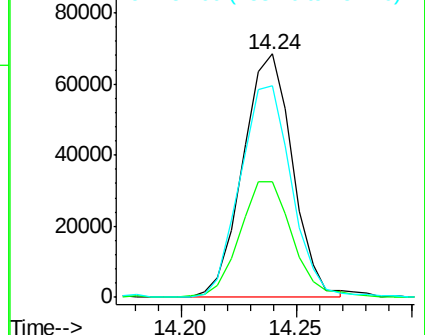
154 86.8 70.4 105.6



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: 7.102 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014419.D

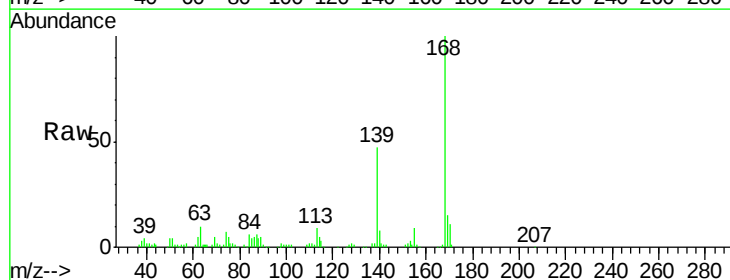
Acq: 01 Mar 2018 02:09

Tgt Ion:168 Resp: 187181

Ion Ratio Lower Upper

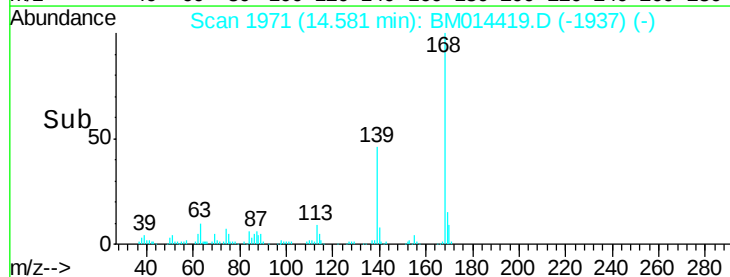
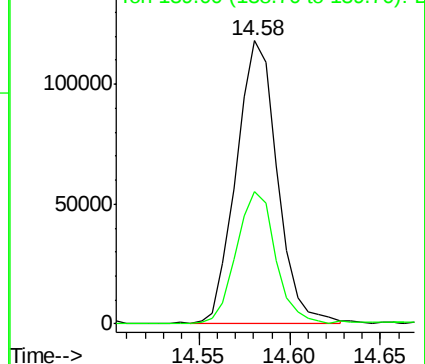
168 100

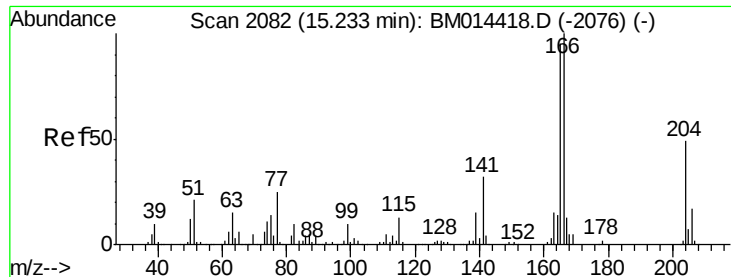
139 46.5 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 7.387 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

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ClientSampleId :

BE5X4

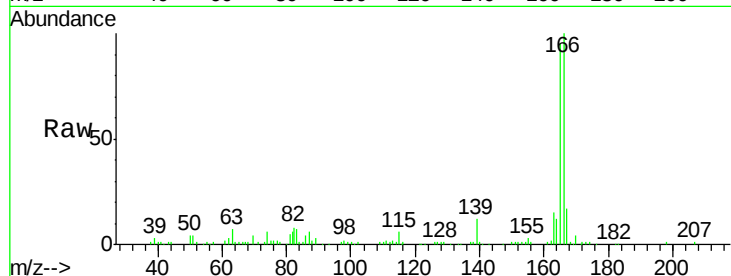
Tot Ion:166 Resp: 168079

Ion Ratio Lower Upper

166 100

165 94.6 77.9 116.9

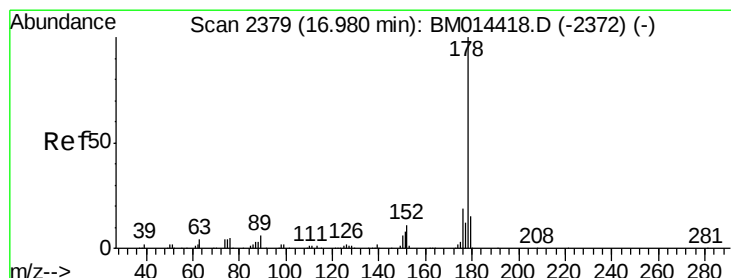
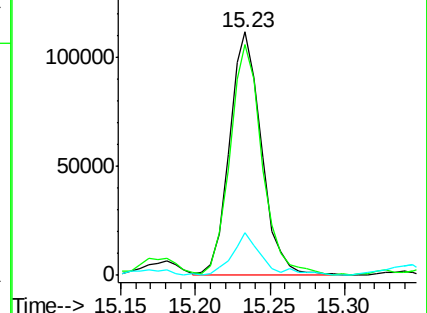
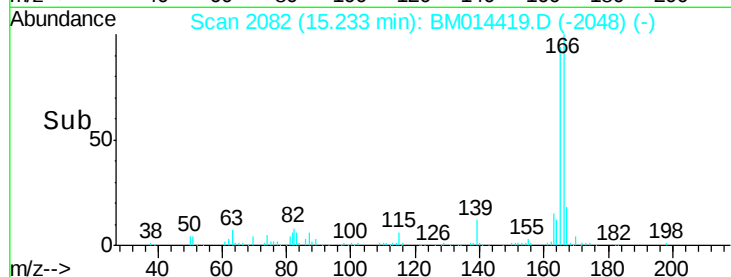
167 17.5 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 96.618 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

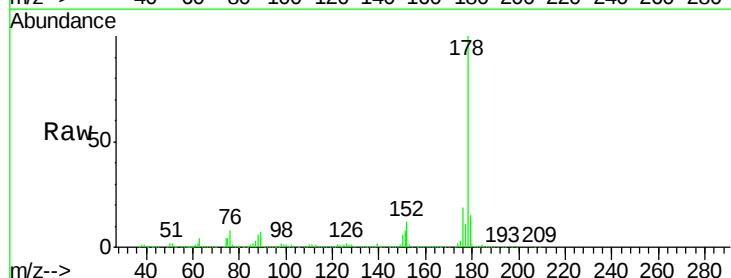
Tgt Ion:178 Resp: 3587194

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

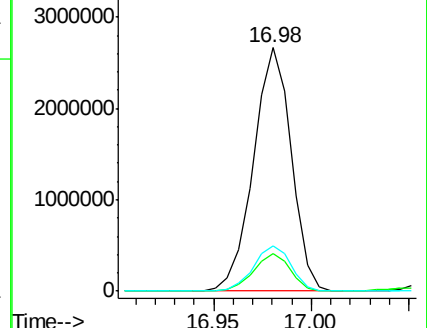
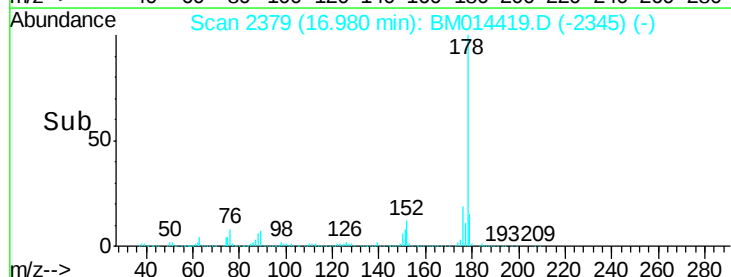
176 18.6 14.9 22.3

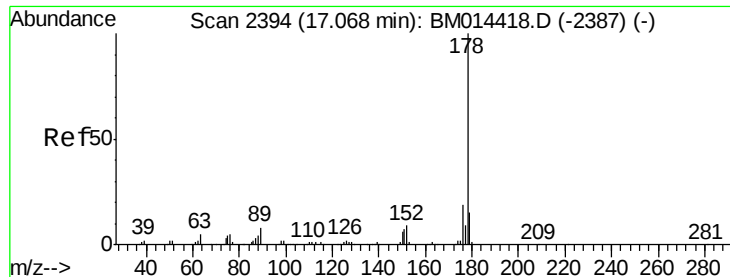


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



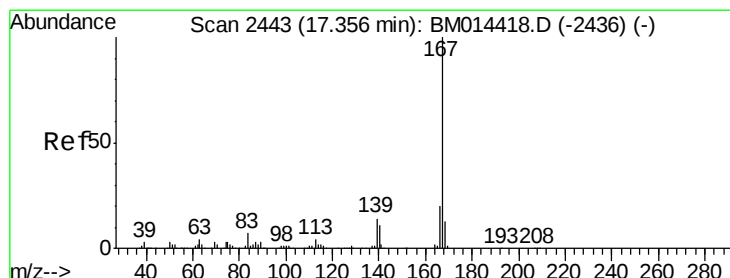
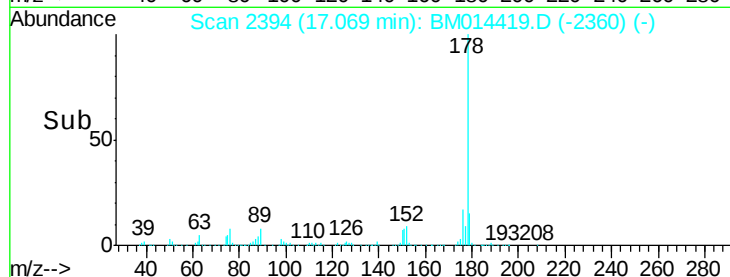
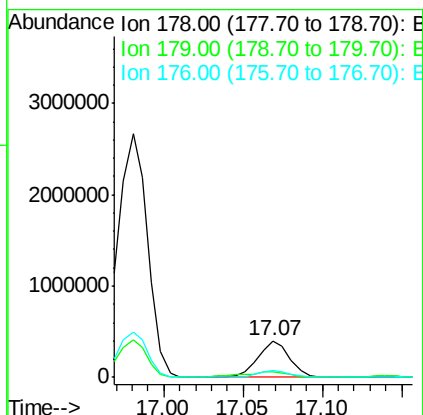
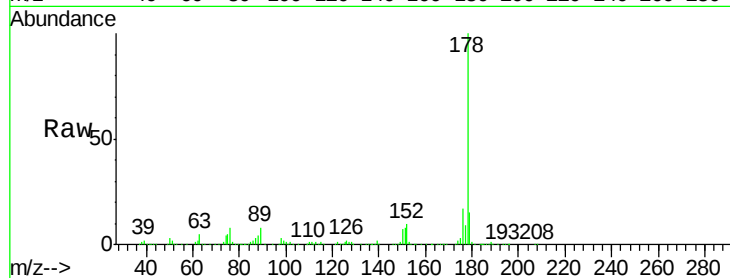


#71
 Anthracene
 Concen: 14.708 ng/ul
 RT: 17.07 min Scan# 2394
 Delta R.T. 0.00 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Instrument :
 BNA_M
 ClientSampleId :
 BE5X4

Tot Ion:178 Resp: 549187

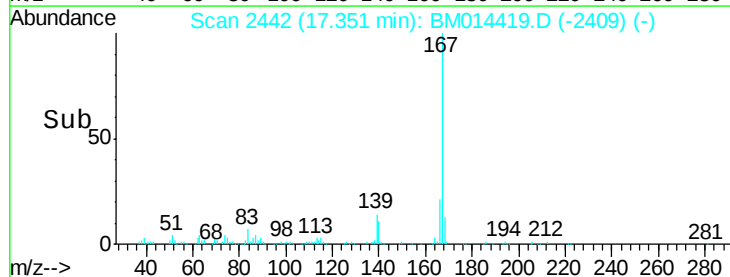
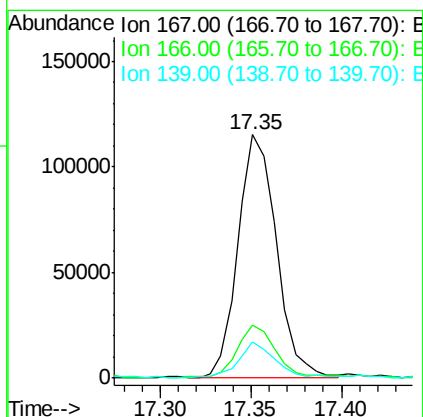
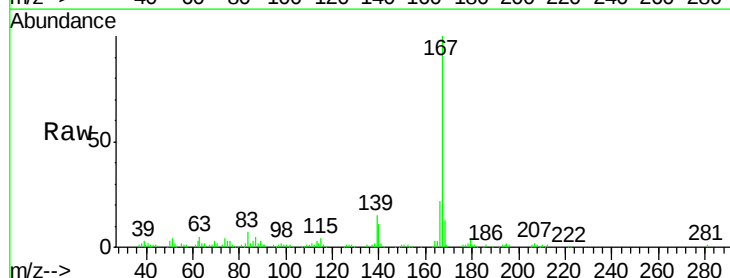
Ion	Ratio	Lower	Upper
178	100		
179	15.0	11.7	17.5
176	17.4	14.6	21.8

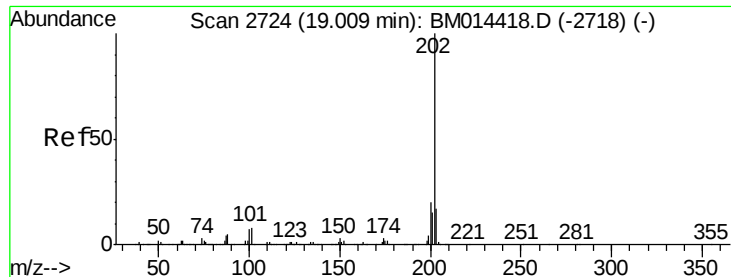


#72
 Carbazole
 Concen: 5.447 ng/ul
 RT: 17.35 min Scan# 2442
 Delta R.T. -0.01 min
 Lab File: BM014419.D
 Acq: 01 Mar 2018 02:09

Tgt Ion:167 Resp: 171016

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.1	25.7
139	14.9	10.0	15.0

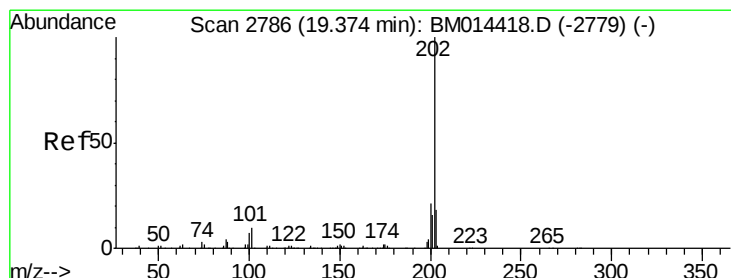
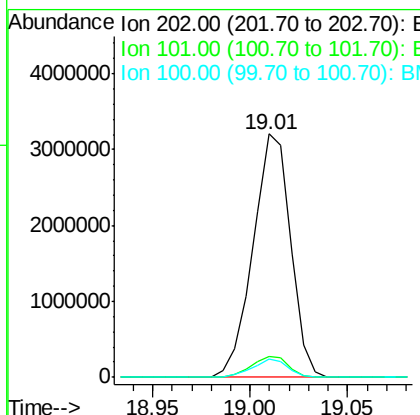
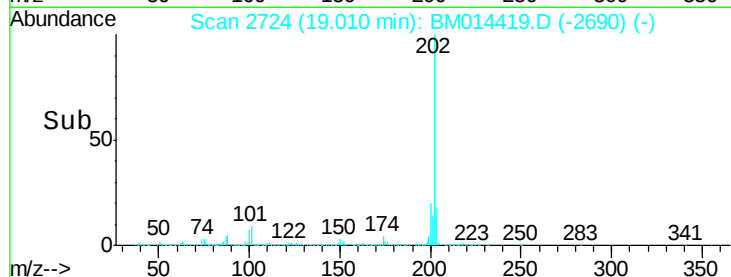
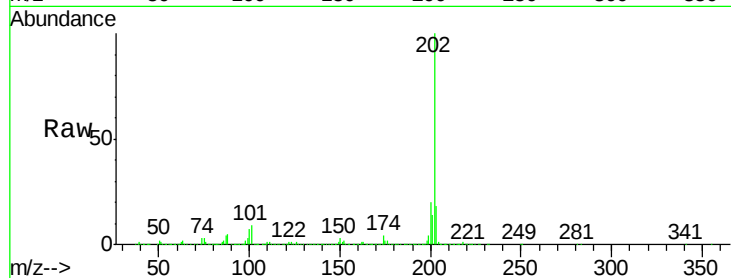




#74
Fluoranthene
Concen: 96.367 ng/ul
RT: 19.01 min Scan# 2724
Delta R.T. 0.00 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

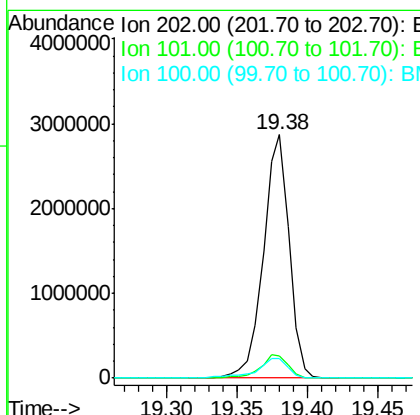
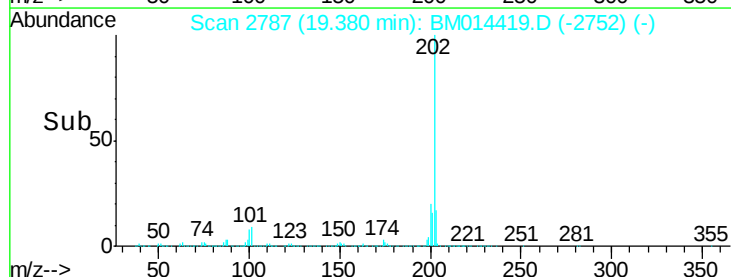
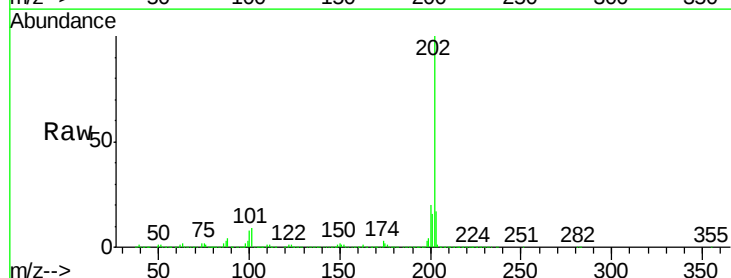
Instrument :
BNA_M
ClientSampleId :
BE5X4

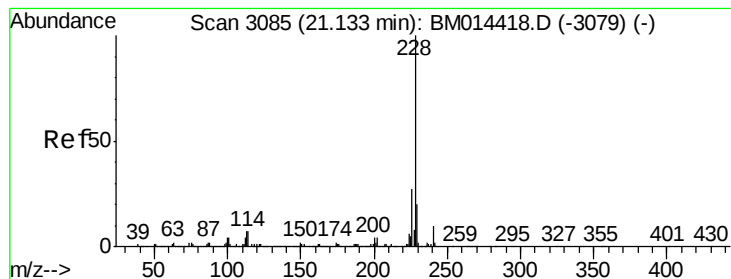
Tot Ion:202 Resp: 4274618
Ion Ratio Lower Upper
202 100
101 8.7 4.6 7.0#
100 7.4 3.4 5.2#



#77
Pyrene
Concen: 68.012 ng/ul
RT: 19.38 min Scan# 2787
Delta R.T. 0.01 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion:202 Resp: 3683587
Ion Ratio Lower Upper
202 100
101 9.4 5.1 7.7#
100 7.9 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 30.908 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

ClientSampleId :

BE5X4

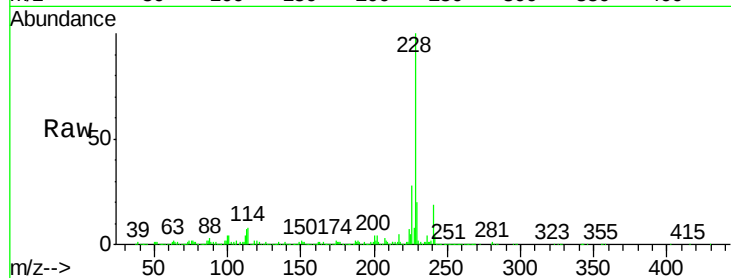
Tot Ion:228 Resp: 1572074

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	28.2	21.4	32.0

228 100

229 20.1 15.4 23.0

226 28.2 21.4 32.0

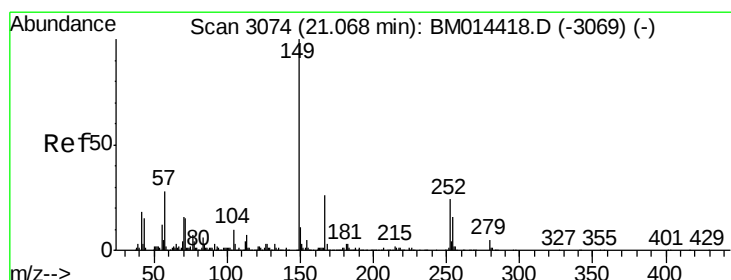
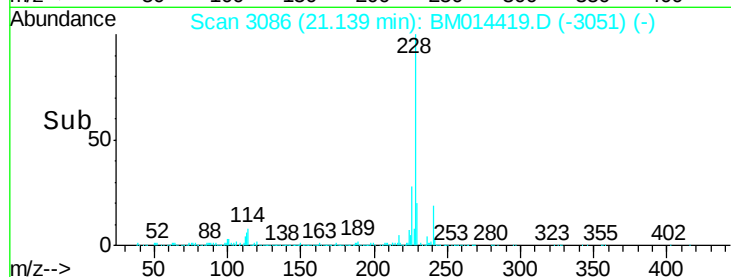
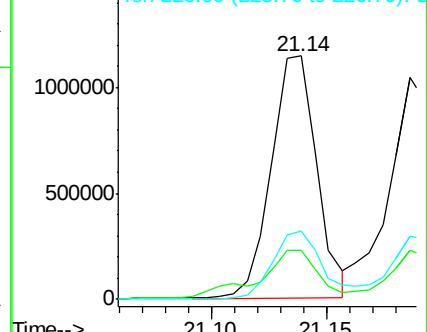


Abundance

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: 2.828 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

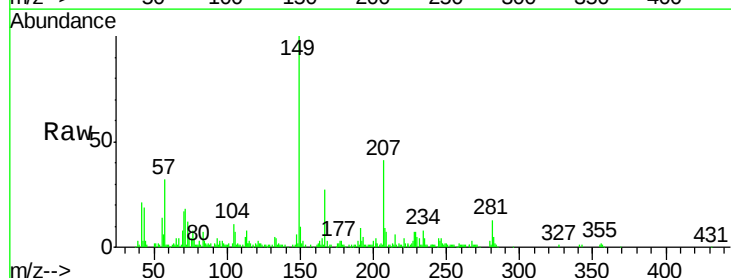
Tgt Ion:149 Resp: 90710

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.8	34.2
279	3.4	4.9	7.3#

149 100

167 26.8 22.8 34.2

279 3.4 4.9 7.3#

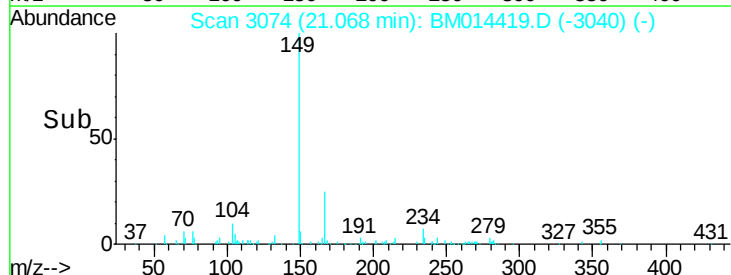
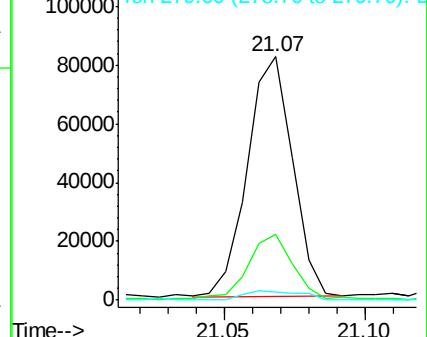


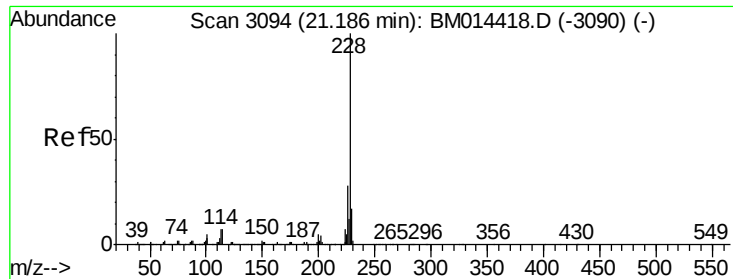
Abundance

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: 29.199 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

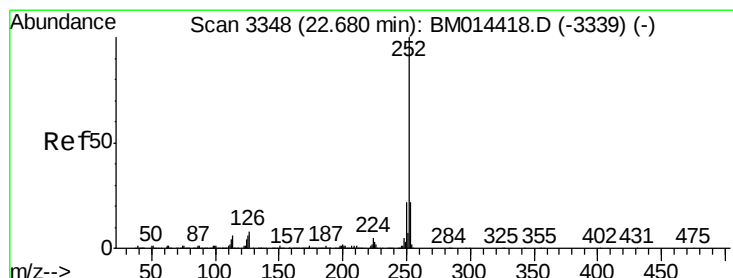
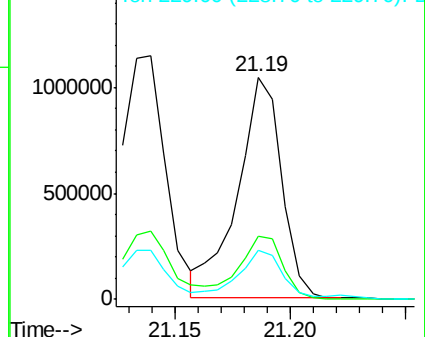
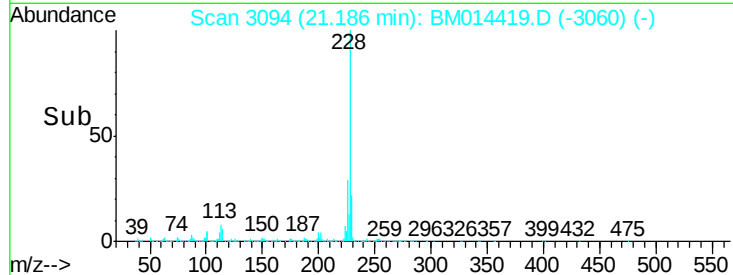
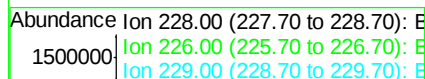
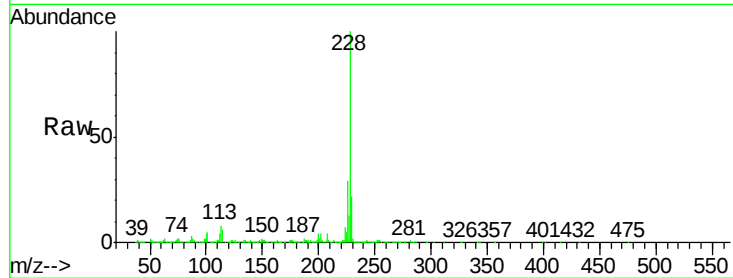
BNA_M

ClientSampled :

BE5X4

Tot Ion:228 Resp: 1385451

Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	22.0	15.5	23.3



#85

Benzo(b)fluoranthene

Concen: 31.521 ng/ul

RT: 22.69 min Scan# 3349

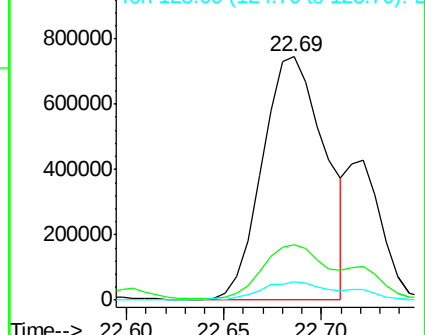
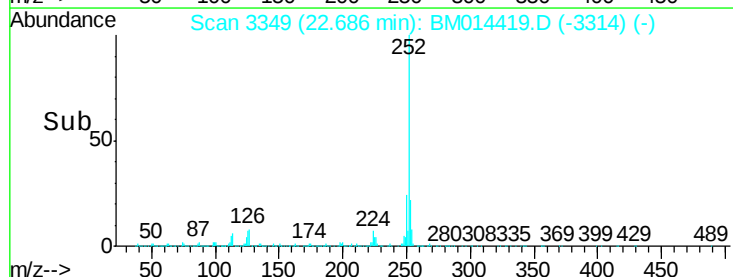
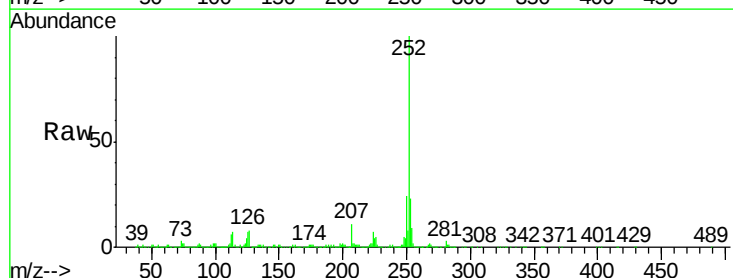
Delta R.T. 0.01 min

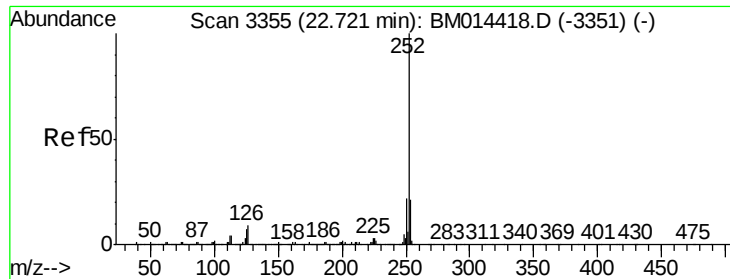
Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Tgt Ion:252 Resp: 1659846

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	7.4	3.6	5.4





#86

Benzo(k)fluoranthene

Concen: 10.061 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

ClientSampleId :

BE5X4

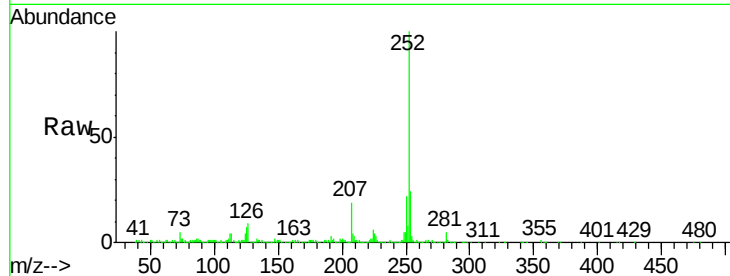
Tot Ion:252 Resp: 503685

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

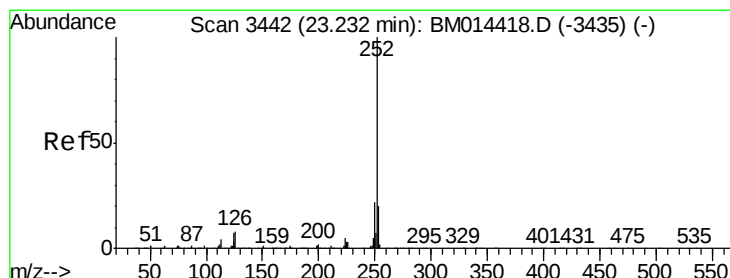
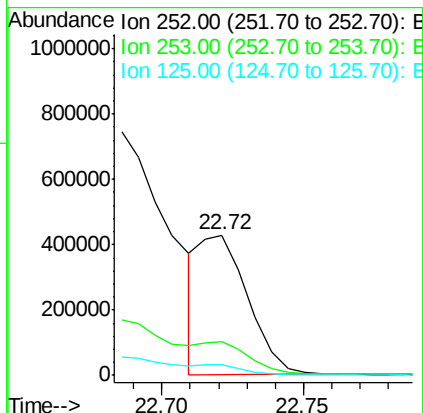
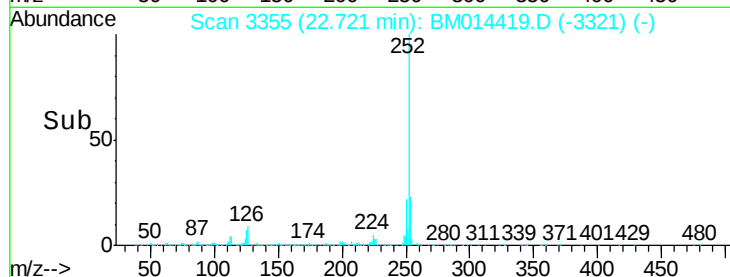
125 7.4 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 25.282 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

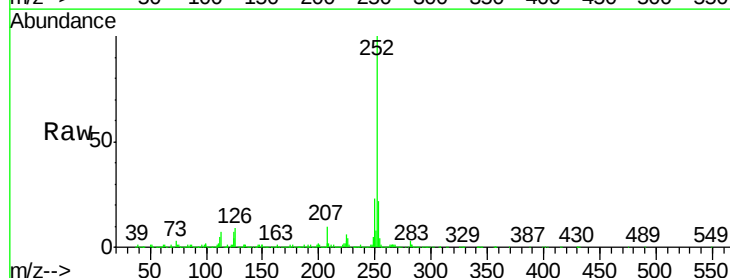
Tgt Ion:252 Resp: 1189659

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

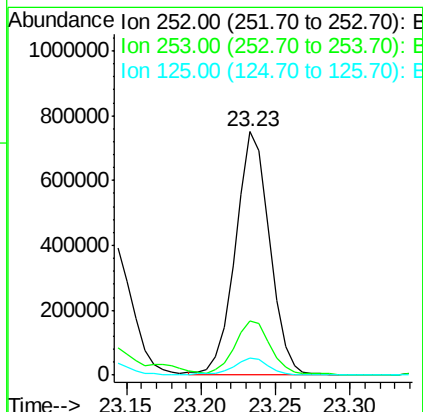
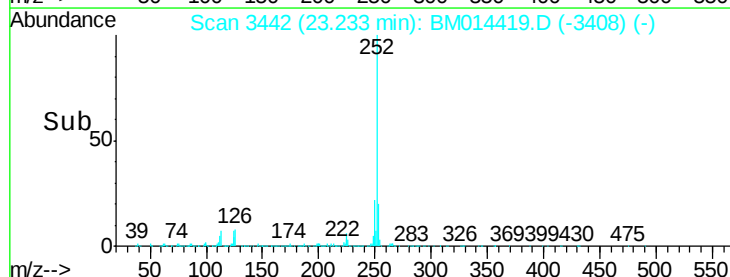
125 7.1 4.0 6.0#

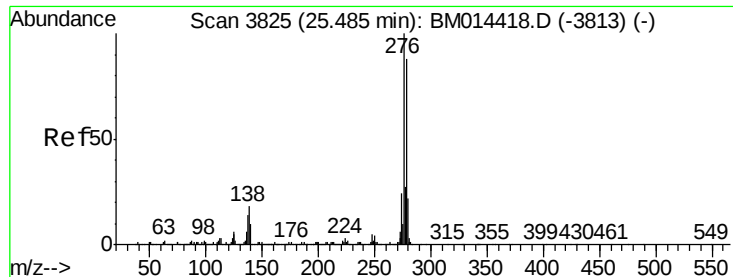


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



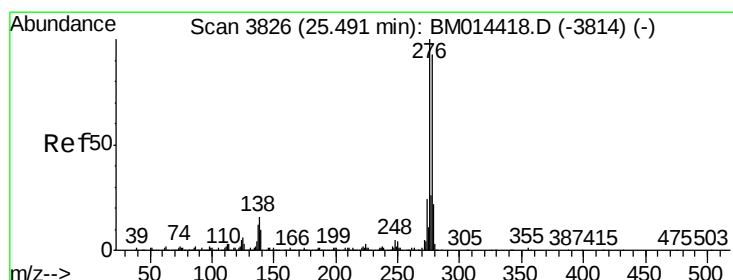
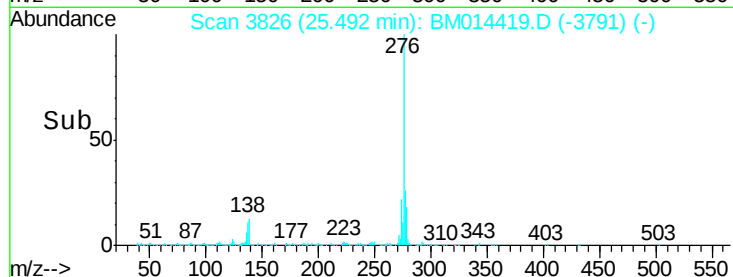
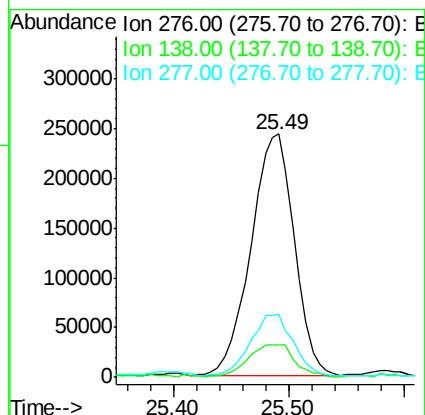
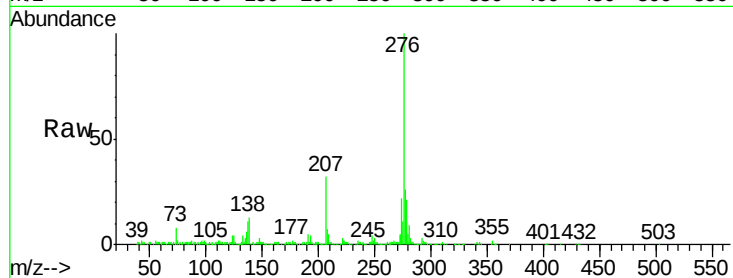


#89

Indeno(1,2,3-cd)pyrene
Concen: 14.031 ng/ul
RT: 25.49 min Scan# 3826
Delta R.T. 0.01 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Instrument :
BNA_M
ClientSampleId :
BE5X4

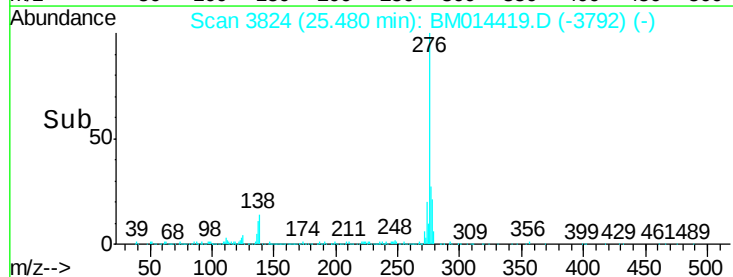
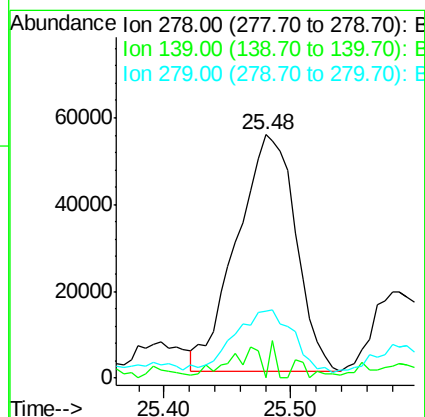
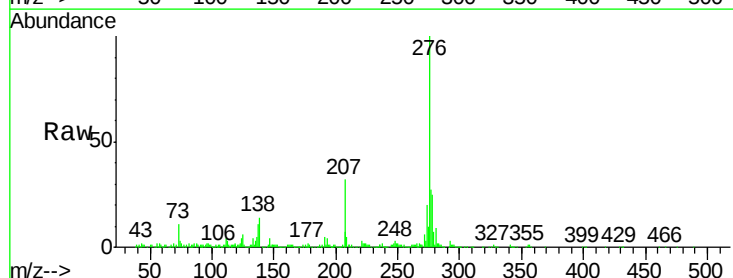
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.3	9.3	13.9
277	25.9	19.9	29.9

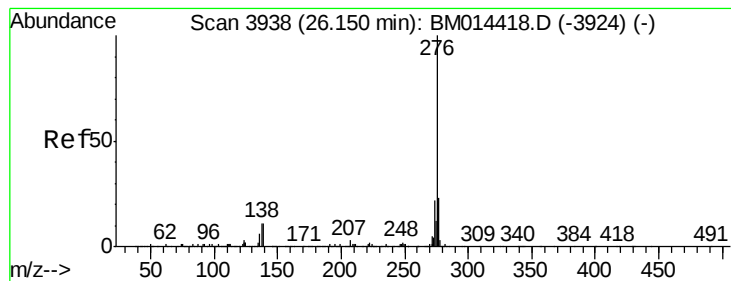


#90

Dibenzo(a,h)anthracene
Concen: 4.621 ng/ul
RT: 25.48 min Scan# 3824
Delta R.T. -0.01 min
Lab File: BM014419.D
Acq: 01 Mar 2018 02:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	27.7	18.6	27.8





#91

Benzo(a,h,i)perylene

Concen: 11.421 ng/ul

RT: 26.14 min Scan# 3937

Delta R.T. -0.01 min

Lab File: BM014419.D

Acq: 01 Mar 2018 02:09

Instrument :

BNA_M

ClientSampleId :

BE5X4

Tot Ion:276 Resp: 422441

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 21.8 18.6 28.0

