

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
 Data File : BM014772.D
 Acq On : 20 Apr 2018 20:31
 Operator : SJ/JU
 Sample : J2434-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Quant Time: Apr 20 23:56:41 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 20 23:53:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.55	152	326988	20.00	ng/ul	0.00
18) Naphthalene-d8	11.39	136	1372888	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.14	164	719048	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.86	188	1510750	20.00	ng/ul	0.00
75) Chrysene-d12	21.94	240	1490059	20.00	ng/ul	0.00
83) Perylene-d12	24.44	264	1576962	20.00	ng/ul	0.00

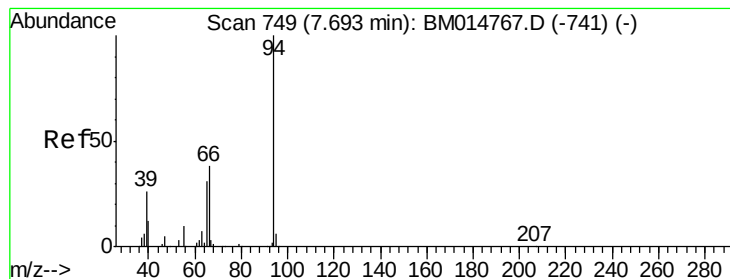
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.68	96	35650	4.76	ng/uL	0.00
5) Phenol-d5	7.66	99	701338	27.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.85	67	467902	28.86	ng/ul	0.00
9) 2-Chlorophenol-d4	8.06	132	599372	28.34	ng/ul	0.00
13) 4-Methylphenol-d8	9.24	113	539820	26.78	ng/ul	0.00
19) Nitrobenzene-d5	9.73	128	288486	29.06	ng/ul	0.00
22) 2-Nitrophenol-d4	10.46	143	296019	29.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.99	165	574459	28.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.51	131	630465	31.80	ng/ul	0.00
43) Dimethylphthalate-d6	14.53	166	1699127	30.27	ng/ul	0.00
46) Acenaphthylene-d8	14.84	160	2191245	31.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.30	143	212974	20.44	ng/ul	0.00
57) Fluorene-d10	16.12	176	1461106	29.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.22	200	80490	9.85	ng/ul	0.00
70) Anthracene-d10	17.95	188	2166813	30.78	ng/ul	0.00
76) Pyrene-d10	20.19	212	2239362	31.77	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.29	264	2291621	29.58	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	7.69	94	135641	5.454	ng/ul#	79
44) Dimethylphthalate	14.58	163	378307	6.972	ng/ul	99
47) Acenaphthylene	14.87	152	85675	1.276	ng/ul	97
49) Acenaphthene	15.20	153	87178	1.827	ng/ul	97
58) Fluorene	16.17	166	57946	1.083	ng/ul	94
69) Phenanthrene	17.90	178	1534395	18.912	ng/ul	99
71) Anthracene	17.99	178	321641	3.906	ng/ul	98
72) Carbazole	18.24	167	276148	3.931	ng/ul	98
74) Fluoranthene	19.86	202	6336801	71.637	ng/ul#	82
77) Pyrene	20.22	202	6501366	74.676	ng/ul#	80
80) Benzo(a)anthracene	21.93	228	5359424	61.507	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.80	149	124094	2.380	ng/ul#	96
82) Chrysene	21.99	228	5930849	72.707	ng/ul	96
85) Benzo(b)fluoranthene	23.69	252	11239238	120.903	ng/ul#	94
86) Benzo(k)fluoranthene	23.69	252	11239238	125.731	ng/ul#	92
88) Benzo(a)pyrene	24.34	252	8408751	95.358	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	27.06	276	6256061	58.645	ng/ul#	91
90) Dibenzo(a,h)anthracene	27.05	278	1638211	18.239	ng/ul#	91
91) Benzo(g,h,i)perylene	27.86	276	6323954	72.059	ng/ul#	89

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



#6

Phenol

Concen: 5.454 ng/ul

RT: 7.69 min Scan# 749

Delta R.T. -0.00 min

Lab File: BM014772.D

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C0AC8

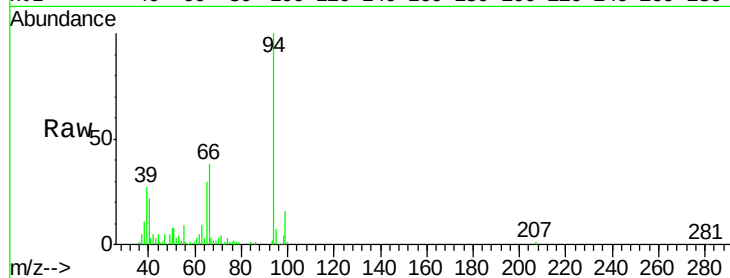
Tot Ion: 94 Resp: 135641

Ion Ratio Lower Upper

94 100

65 30.1 28.2 42.4

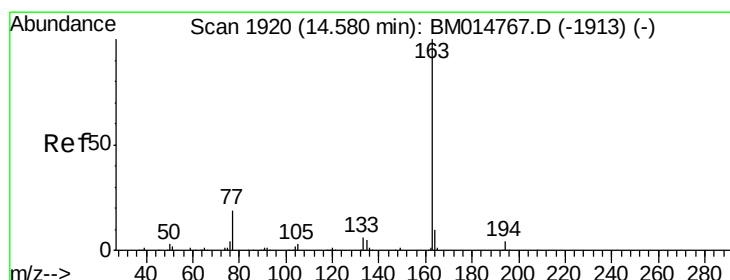
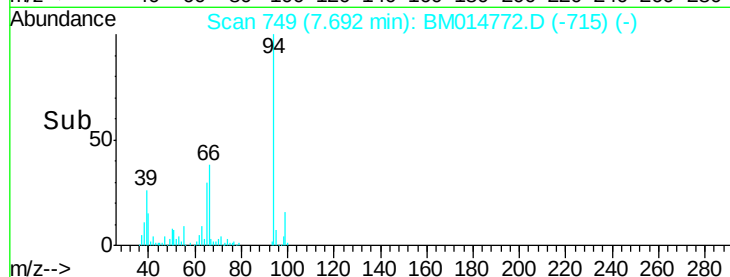
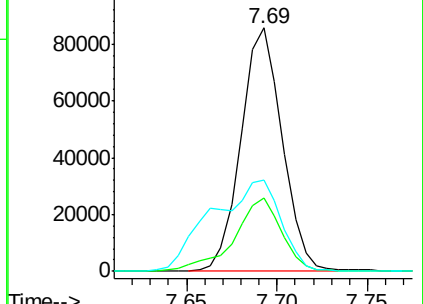
66 37.6 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014767.D (-741) (-)

Ion 65.00 (64.70 to 65.70): BM014767.D (-741) (-)

Ion 66.00 (65.70 to 66.70): BM014767.D (-741) (-)



#44

Dimethylphthalate

Concen: 6.972 ng/ul

RT: 14.58 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

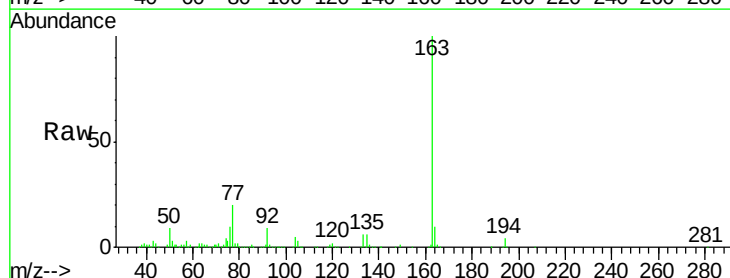
Tgt Ion:163 Resp: 378307

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

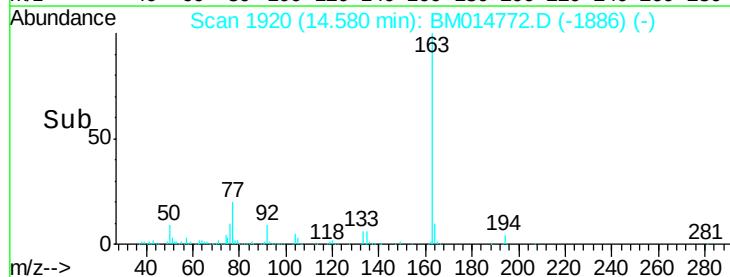
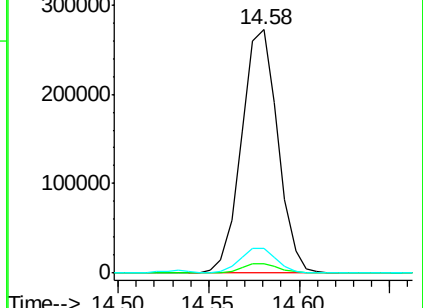
164 10.0 8.2 12.4

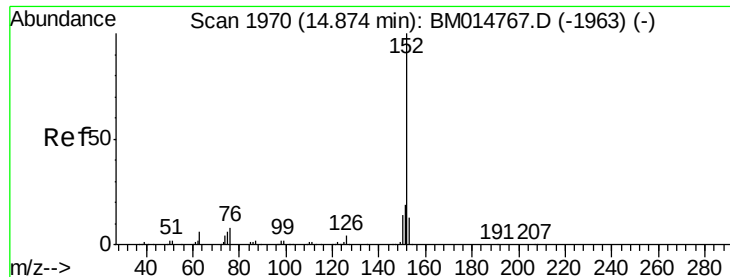


Abundance Ion 163.00 (162.70 to 163.70): BM014767.D (-1913) (-)

Ion 194.00 (193.70 to 194.70): BM014767.D (-1913) (-)

Ion 164.00 (163.70 to 164.70): BM014767.D (-1913) (-)





#47

Acenaphthylene

Concen: 1.276 ng/ul

RT: 14.87 min Scan# 1970

Delta R.T. -0.00 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

BNA_M

ClientSampleId :

C0AC8

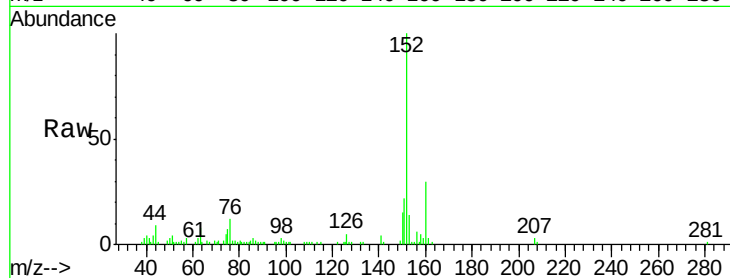
Tot Ion:152 Resp: 85675

Ion Ratio Lower Upper

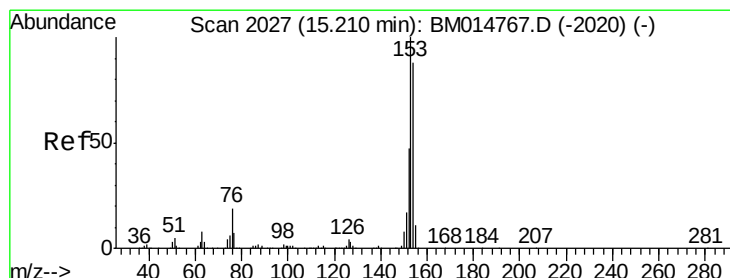
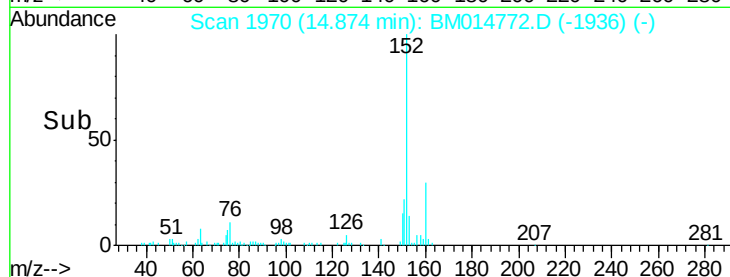
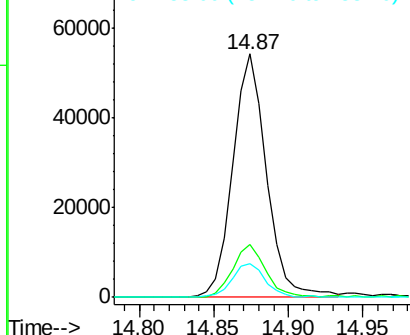
152 100

151 21.7 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: 1.827 ng/ul

RT: 15.20 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

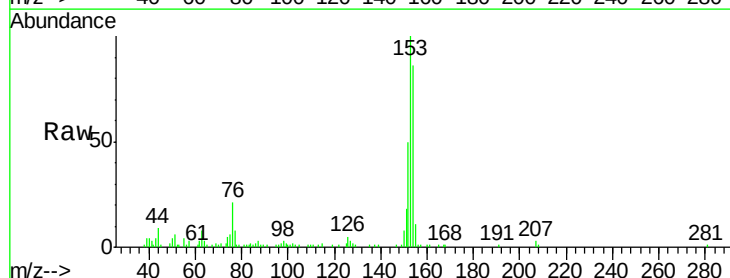
Tgt Ion:153 Resp: 87178

Ion Ratio Lower Upper

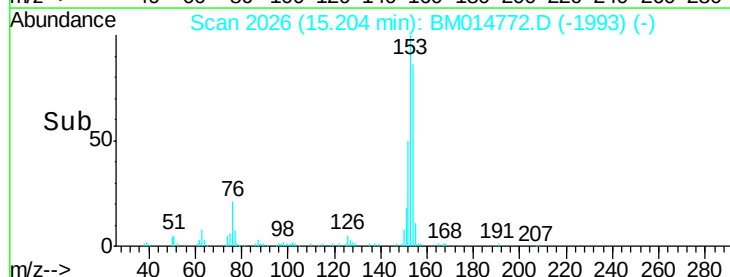
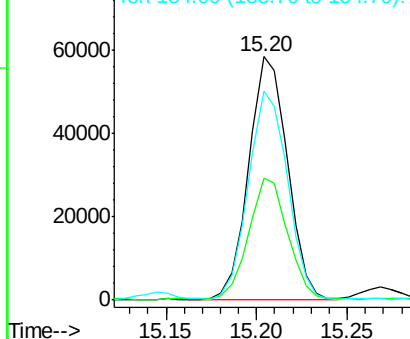
153 100

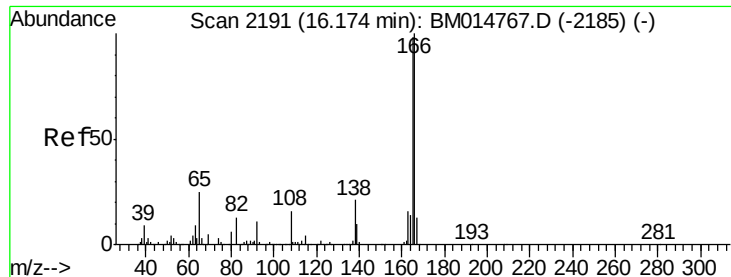
152 50.0 37.6 56.4

154 85.7 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

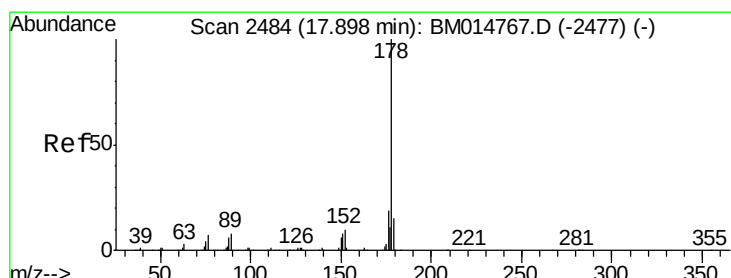
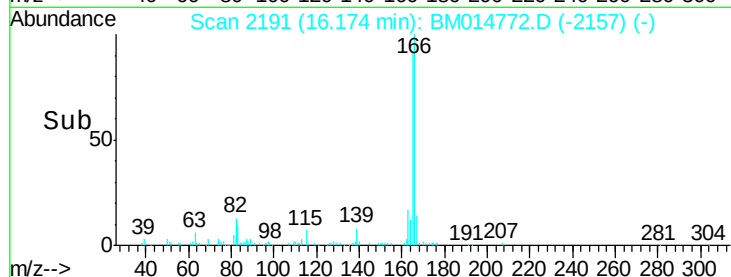
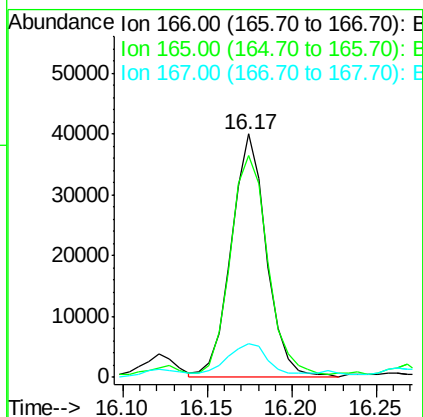
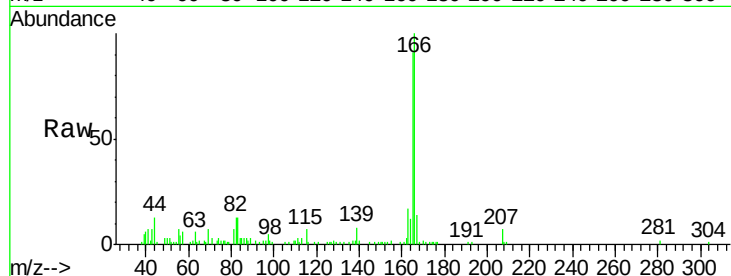




#58
 Fluorene
 Concen: 1.083 ng/ul
 RT: 16.17 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

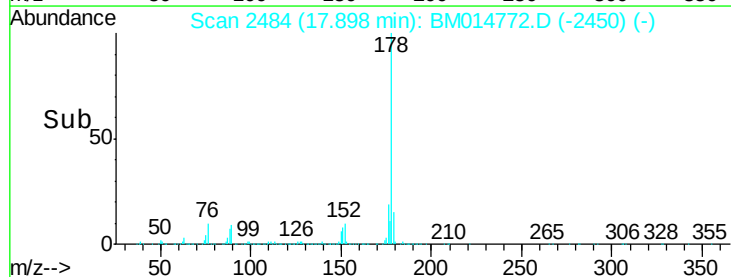
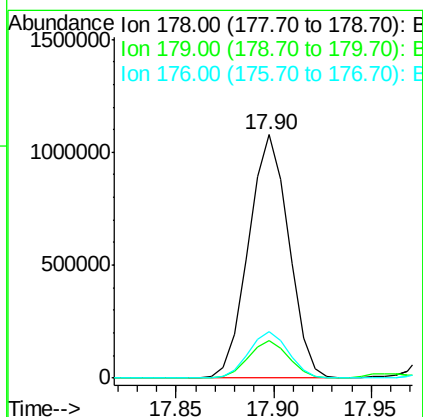
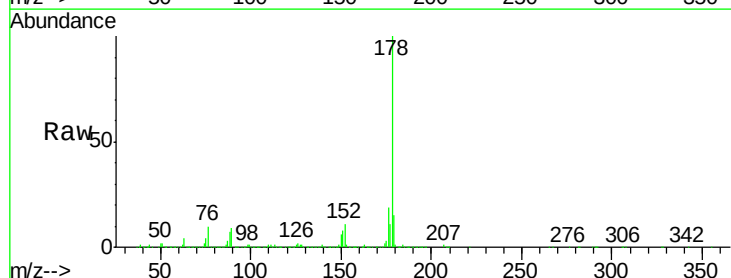
Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

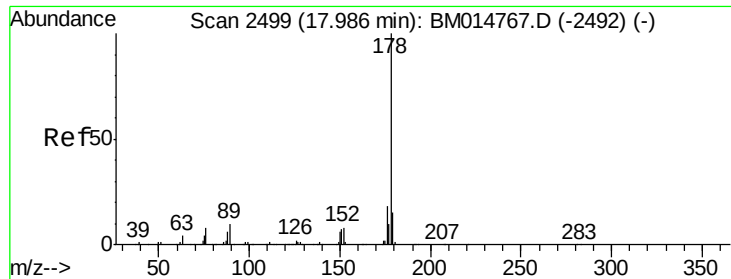
Tot Ion:166 Resp: 57946
 Ion Ratio Lower Upper
 166 100
 165 91.2 77.9 116.9
 167 14.0 10.6 16.0



#69
 Phenanthrene
 Concen: 18.912 ng/ul
 RT: 17.90 min Scan# 2484
 Delta R.T. -0.00 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Tgt Ion:178 Resp: 1534395
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.6 19.0
 176 19.4 14.9 22.3

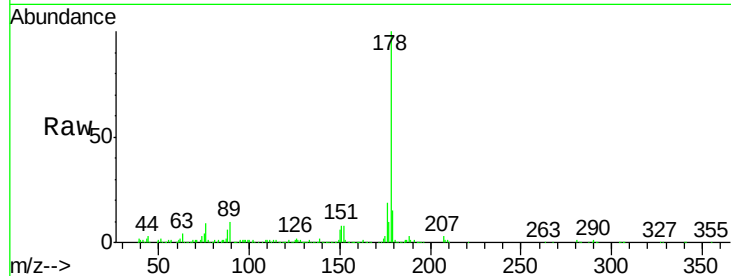




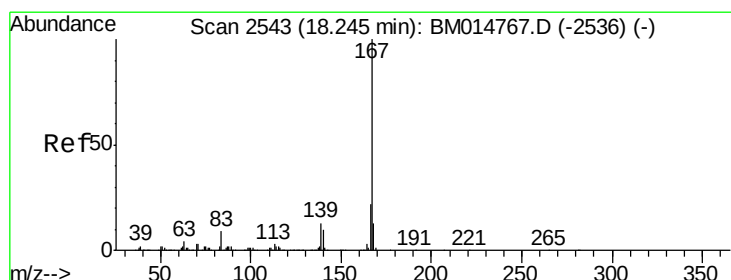
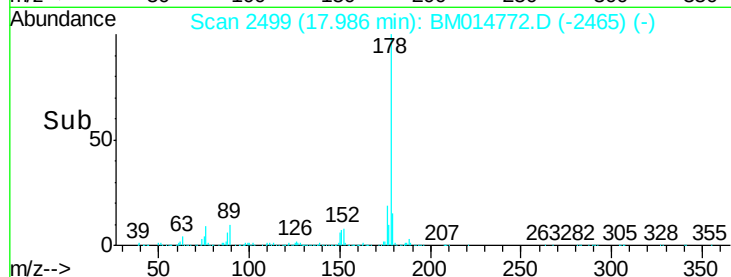
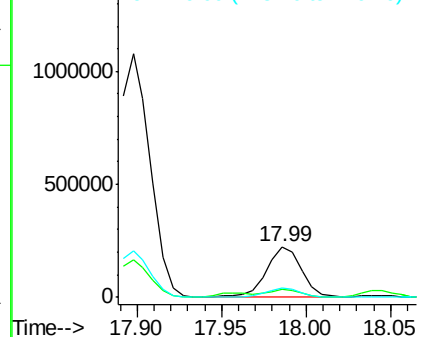
#71
 Anthracene
 Concen: 3.906 ng/ul
 RT: 17.99 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Instrument :
 BNA_M
 ClientSampleId :
 C0AC8

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.5	11.7	17.5
176	18.8	14.6	21.8

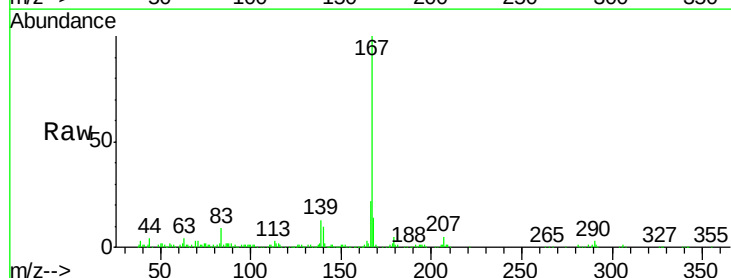


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

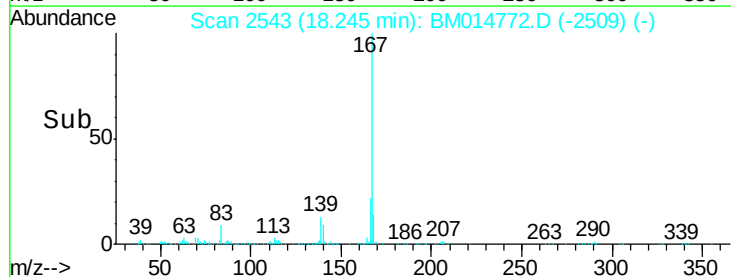
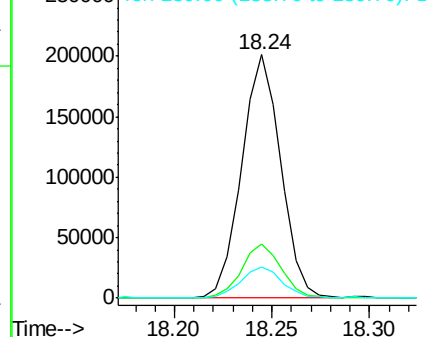


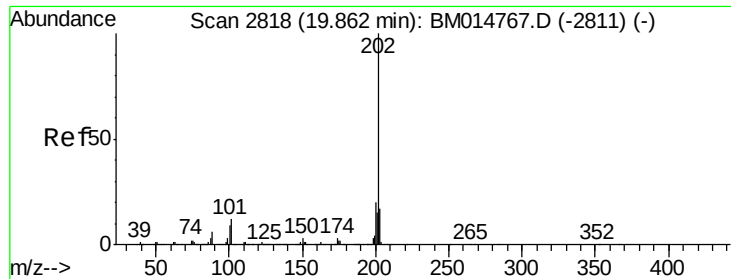
#72
 Carbazole
 Concen: 3.931 ng/ul
 RT: 18.24 min Scan# 2543
 Delta R.T. -0.00 min
 Lab File: BM014772.D
 Acq: 20 Apr 2018 20:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.1	25.7
139	13.0	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

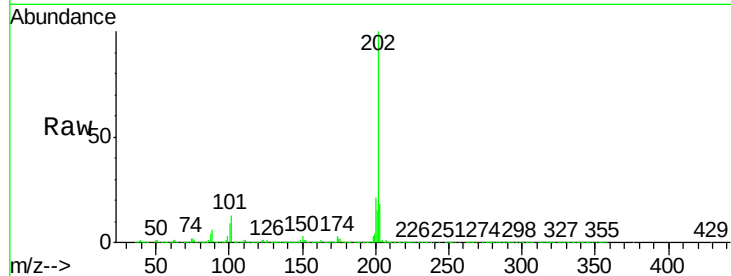




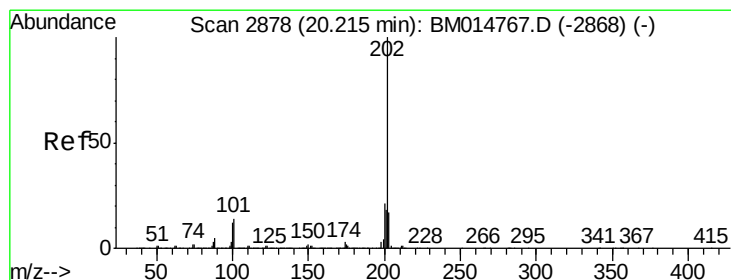
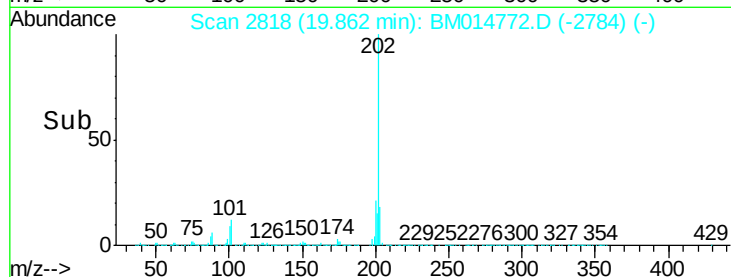
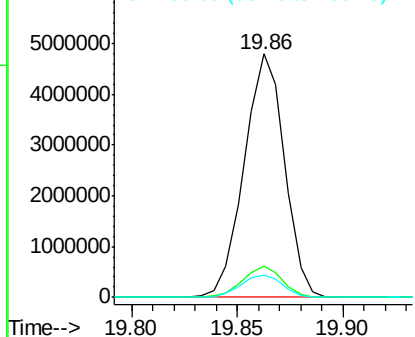
#74
Fluoranthene
Concen: 71.637 ng/ul
RT: 19.86 min Scan# 2818
Delta R.T. -0.00 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Instrument :
BNA_M
ClientSampleId :
C0AC8

Tot Ion:202 Resp: 6336801
Ion Ratio Lower Upper
202 100
101 12.5 4.6 7.0#
100 9.4 3.4 5.2#

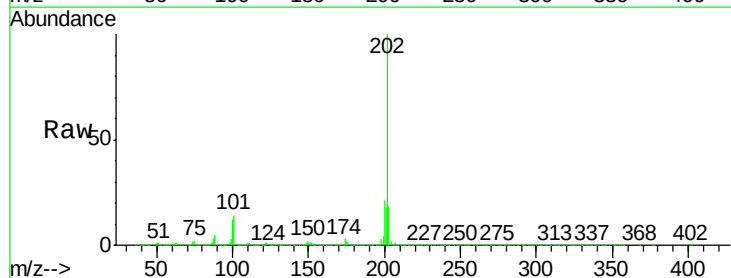


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

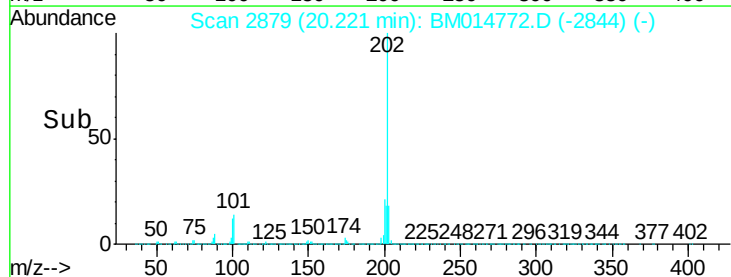
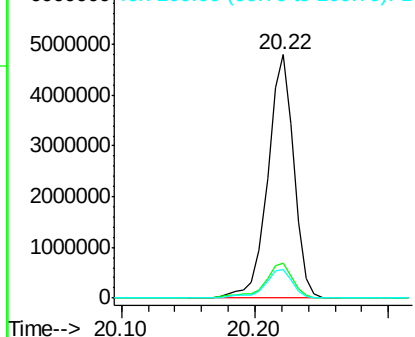


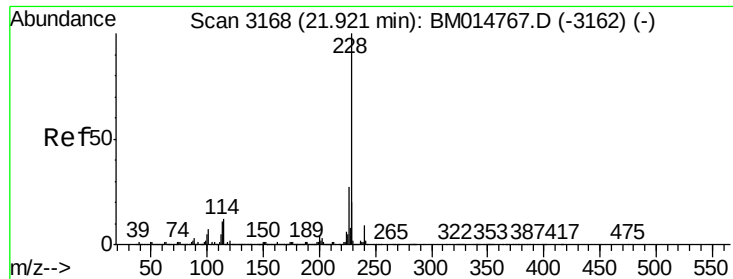
#77
Pyrene
Concen: 74.676 ng/ul
RT: 20.22 min Scan# 2879
Delta R.T. 0.01 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Tgt Ion:202 Resp: 6501366
Ion Ratio Lower Upper
202 100
101 14.2 5.1 7.7#
100 11.8 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: 61.507 ng/ul

RT: 21.93 min Scan# 3169

Delta R.T. 0.01 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

BNA_M

ClientSampleId :

C0AC8

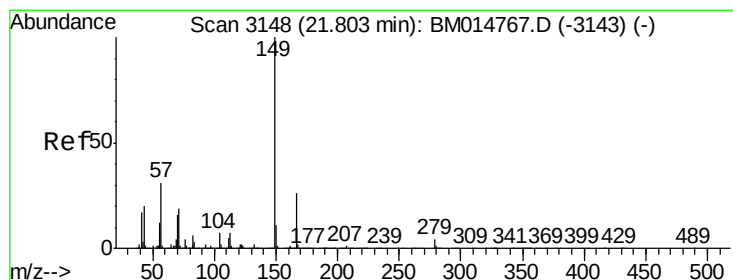
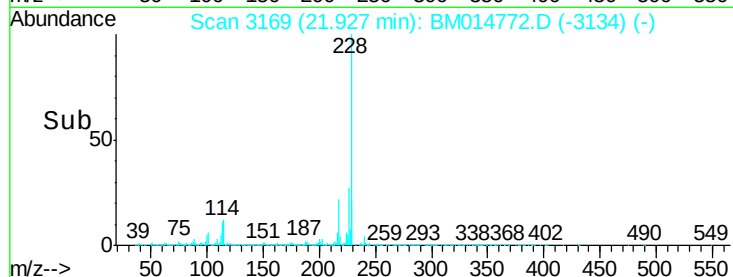
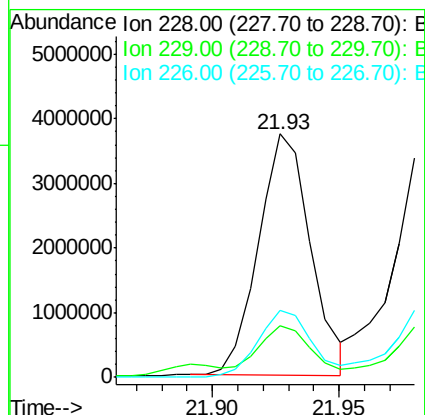
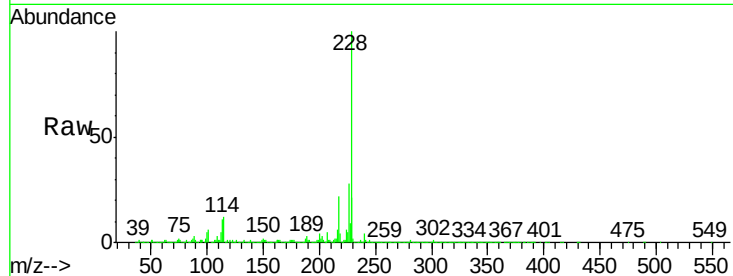
Tot Ion:228 Resp: 5359424

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

226 27.5 21.4 32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 2.380 ng/ul

RT: 21.80 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

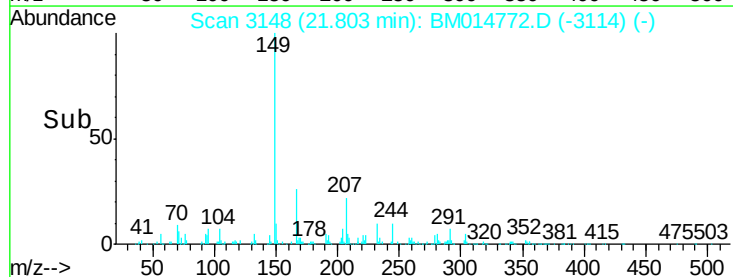
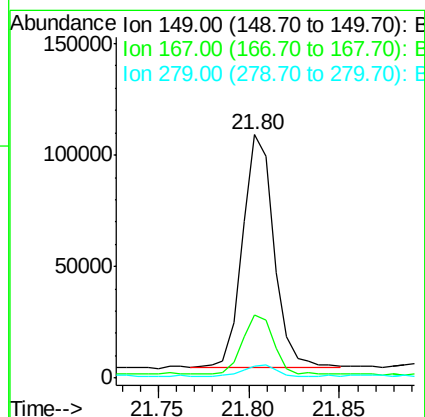
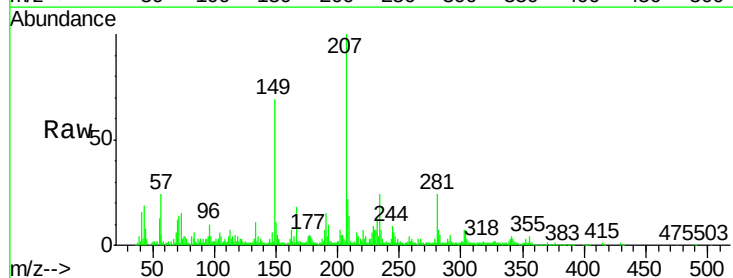
Tgt Ion:149 Resp: 124094

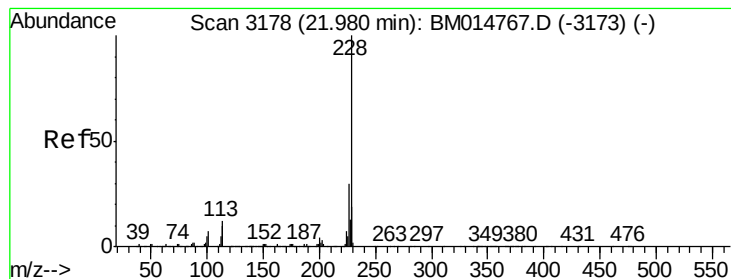
Ion Ratio Lower Upper

149 100

167 26.1 22.8 34.2

279 4.7 4.9 7.3#





#82

Chrysene

Concen: 72.707 ng/ul

RT: 21.99 min Scan# 3179

Delta R.T. 0.01 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

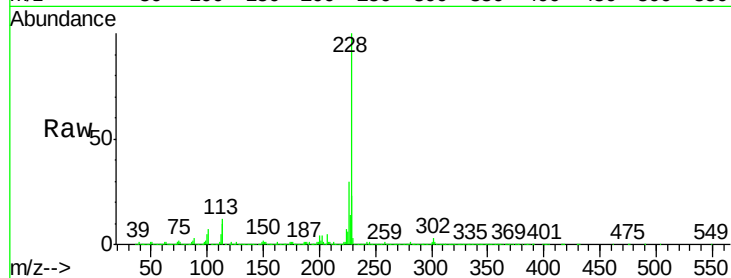
BNA_M

ClientSampled :

C0AC8

Tot Ion:228 Resp: 5930849

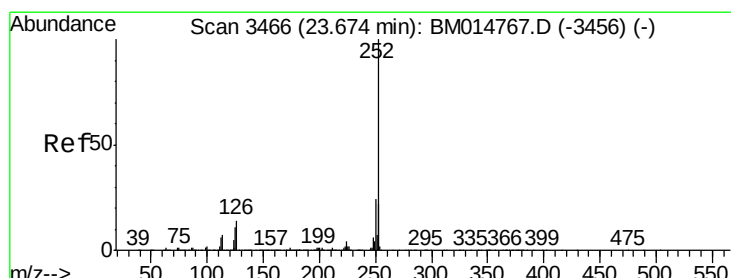
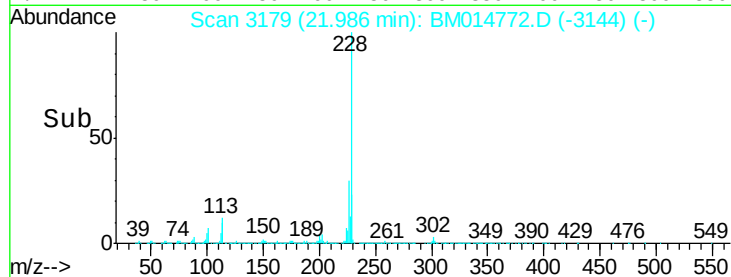
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.7	15.5	23.3



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: 120.903 ng/ul

RT: 23.69 min Scan# 3469

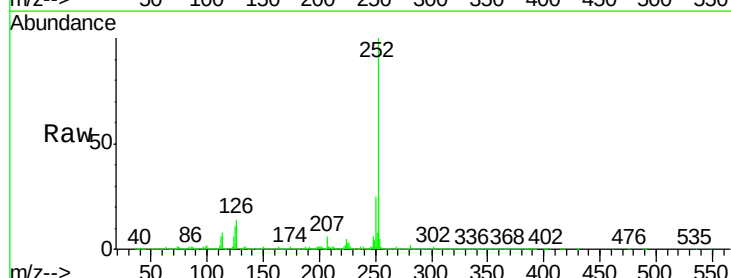
Delta R.T. 0.02 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Tgt Ion:252 Resp:11239238

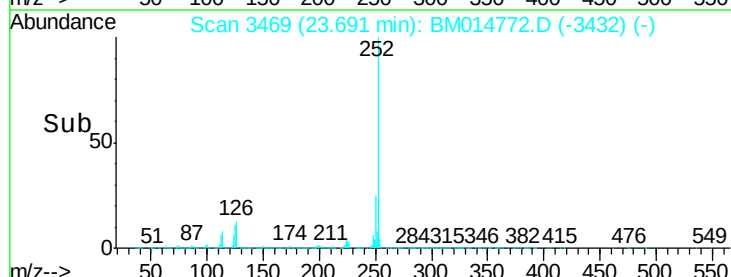
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	11.5	3.6	5.4

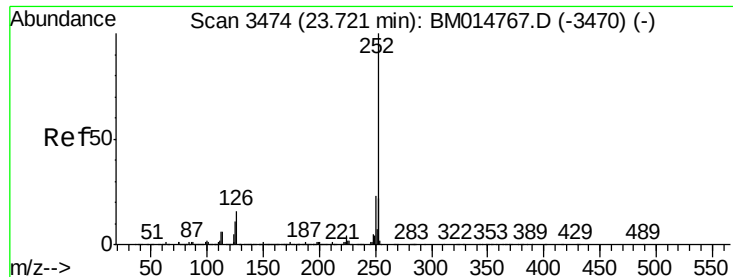


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

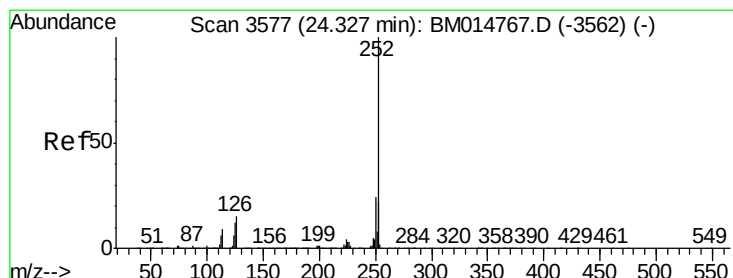
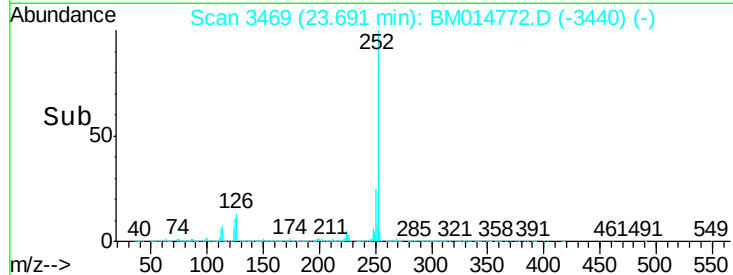
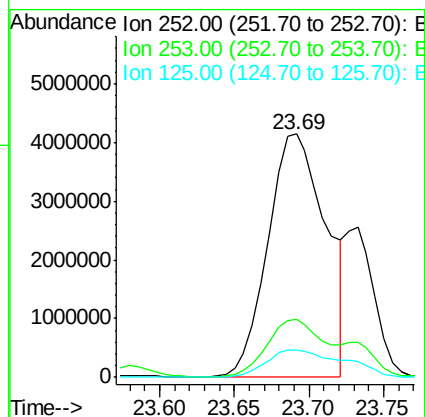
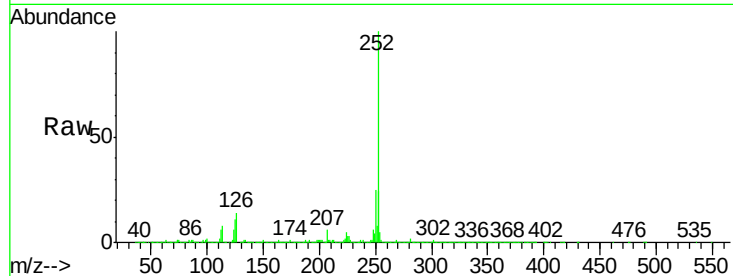




#86
Benzo(k)fluoranthene
Concen: 125.731 ng/ul
RT: 23.69 min Scan# 3469
Delta R.T. -0.03 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

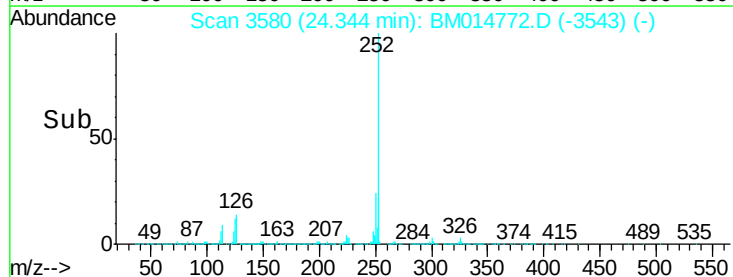
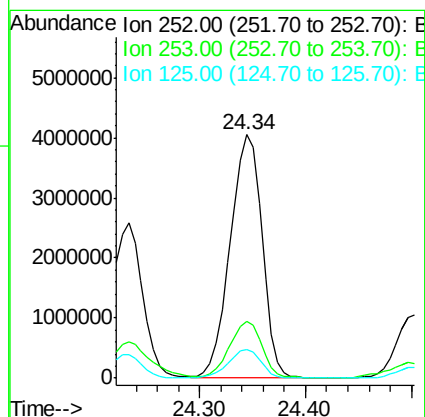
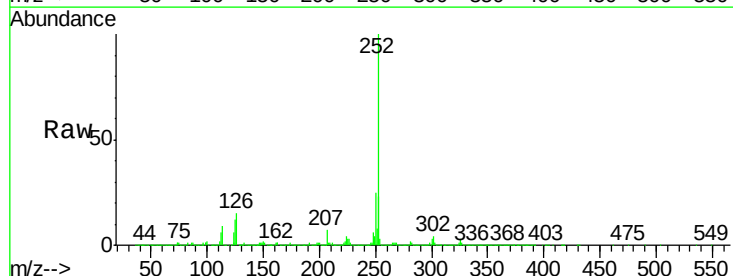
Instrument :
BNA_M
ClientSampled :
C0AC8

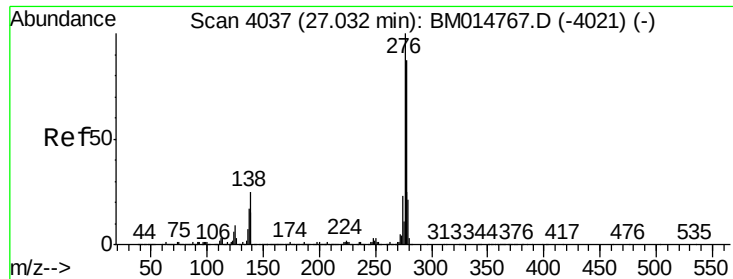
Tot Ion:252 Resp:11239238
Ion Ratio Lower Upper
252 100
253 23.7 17.1 25.7
125 11.5 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 95.358 ng/ul
RT: 24.34 min Scan# 3580
Delta R.T. 0.02 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Tgt Ion:252 Resp: 8408751
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 12.0 4.0 6.0#



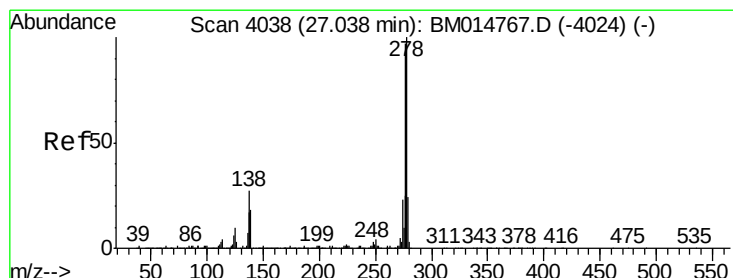
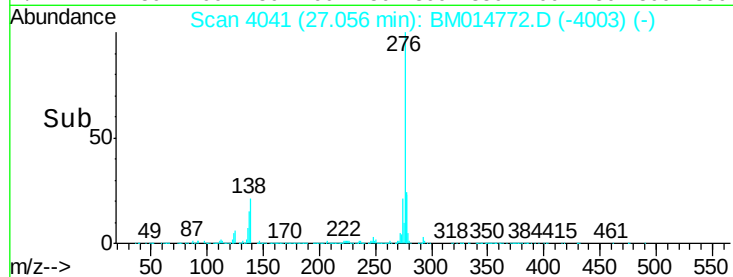
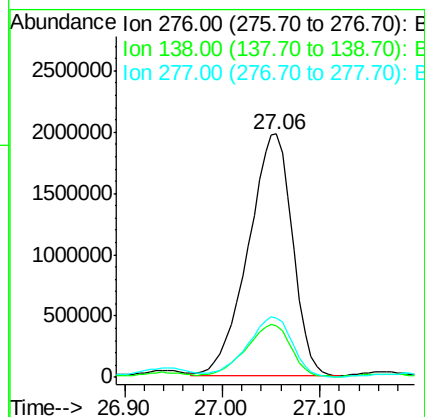
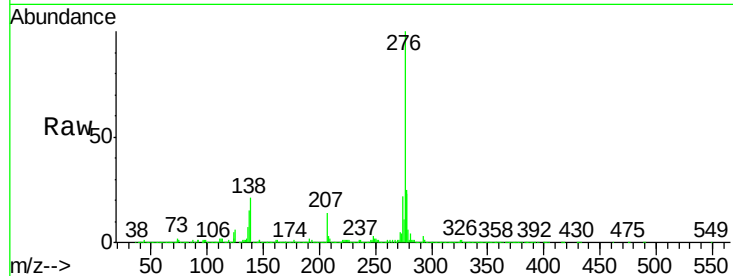


#89

Indeno(1,2,3-cd)pyrene
Concen: 58.645 ng/ul
RT: 27.06 min Scan# 4041
Delta R.T. 0.02 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Instrument :
BNA_M
ClientSampled :
C0AC8

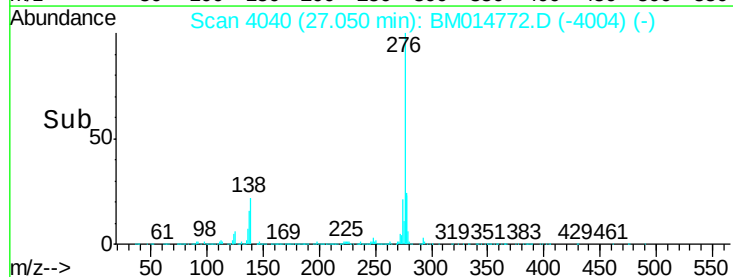
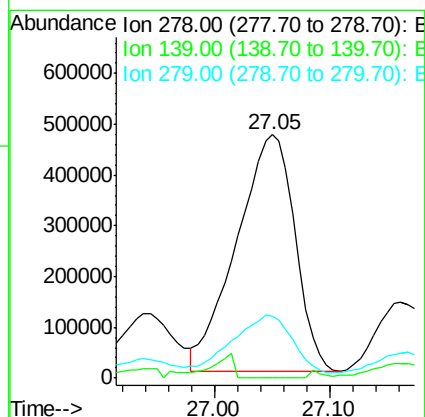
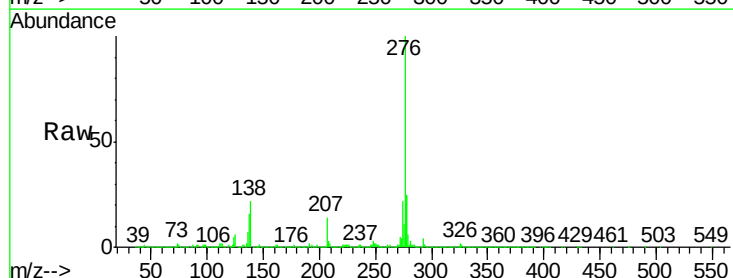
Tot Ion:276 Resp: 6256061
Ion Ratio Lower Upper
276 100
138 21.3 9.3 13.9#
277 24.5 19.9 29.9

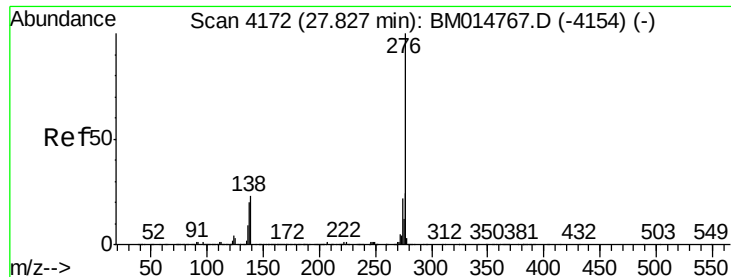


#90

Dibenzo(a,h)anthracene
Concen: 18.239 ng/ul
RT: 27.05 min Scan# 4040
Delta R.T. 0.01 min
Lab File: BM014772.D
Acq: 20 Apr 2018 20:31

Tgt Ion:278 Resp: 1638211
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 25.4 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 72.059 ng/ul

RT: 27.86 min Scan# 4178

Delta R.T. 0.04 min

Lab File: BM014772.D

Acq: 20 Apr 2018 20:31

Instrument :

BNA_M

ClientSampleId :

C0AC8

Tot Ion:276 Resp: 6323954

Ion	Ratio	Lower	Upper
276	100		
138	22.5	8.5	12.7#
277	24.2	18.6	28.0

