

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014457.D
 Acq On : 02 Mar 2018 12:19
 Operator : SJ/JU
 Sample : J1646-21
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 14:56:51 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 14:54:45 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	92315	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	412174	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	267259	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	626735	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	574050	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	462802	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	7599	3.52	ng/uL	0.00
5) Phenol-d5	6.72	99	199358	25.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	120265	25.46	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	158134	26.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	143796	21.06	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	87666	28.78	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	95949	30.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	170234	26.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	101139	15.72	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	625912	28.36	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	794869	29.21	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	56596	18.57	ng/ul	0.05
57) Fluorene-d10	15.18	176	553862	28.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	32886	8.75	ng/ul	0.01
70) Anthracene-d10	17.04	188	885280	29.28	ng/ul	0.00
76) Pyrene-d10	19.35	212	977300	33.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.21	264	658161	29.22	ng/ul	0.02

Target Compounds

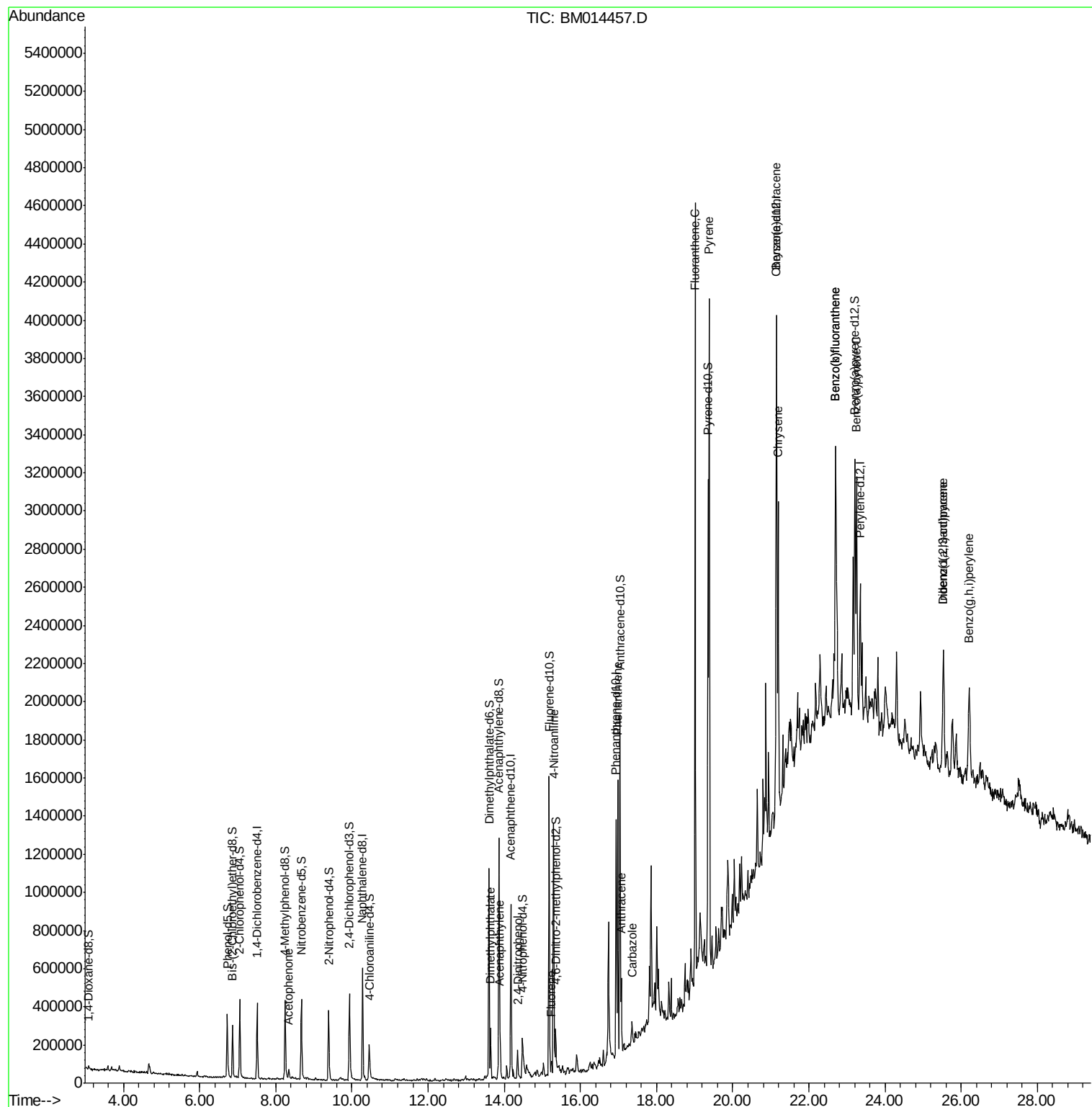
					Ovalue	
14) Acetophenone	8.35	105	25032	2.125	ng/ul#	92
44) Dimethylphthalate	13.64	163	133445	6.132	ng/ul	99
47) Acenaphthylene	13.89	152	143402	5.575	ng/ul#	94
50) 2,4-Dinitrophenol	14.35	184	10867	4.887	ng/ul#	40
58) Fluorene	15.23	166	30768	1.312	ng/ul	99
60) 4-Nitroaniline	15.30	138	266815	67.888	ng/ul#	74
69) Phenanthrene	16.98	178	751118	20.801	ng/ul	99
71) Anthracene	17.07	178	212005	5.838	ng/ul	99
72) Carbazole	17.36	167	67593	2.214	ng/ul	98
74) Fluoranthene	19.02	202	2122847	49.206	ng/ul#	94
77) Pyrene	19.38	202	1972512	51.704	ng/ul#	91
80) Benzo(a)anthracene	21.14	228	931790	26.008	ng/ul	95
82) Chrysene	21.20	228	851605	25.481	ng/ul	96
85) Benzo(b)fluoranthene	22.70	252	1105161	35.664	ng/ul#	96
86) Benzo(k)fluoranthene	22.70	252	1105161	37.511	ng/ul#	94
88) Benzo(a)pyrene	23.25	252	750100	27.088	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.53	276	537891	20.018	ng/ul	98
90) Dibenzo(a,h)anthracene	25.53	278	141902	6.355	ng/ul#	67
91) Benzo(g,h,i)perylene	26.20	276	479510	22.028	ng/ul#	95

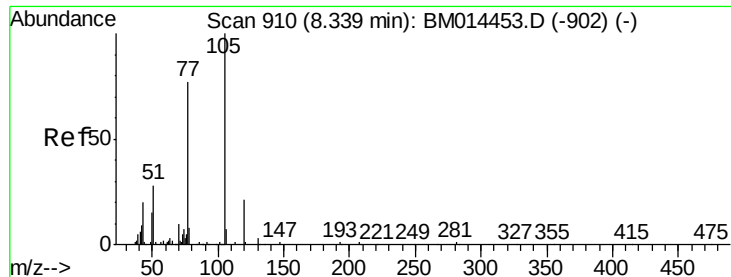
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 2.125 ng/ul

RT: 8.35 min Scan# 911

Delta R.T. 0.01 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

Instrument :

BNA_M

ClientSampleId :

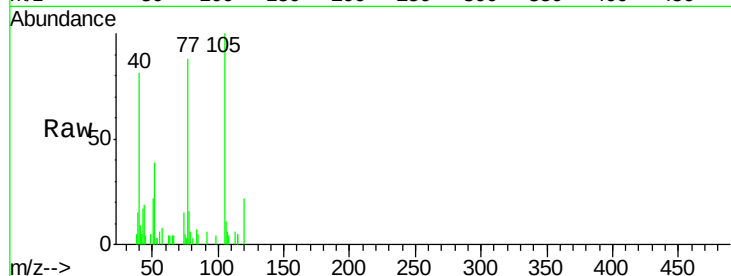
Tot Ion:105 Resp: 25032

Ion Ratio Lower Upper

105 100

77 88.1 74.2 111.4

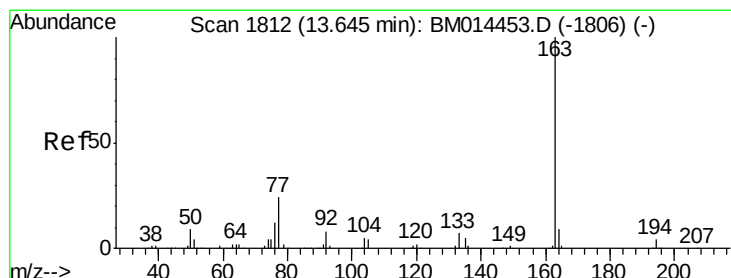
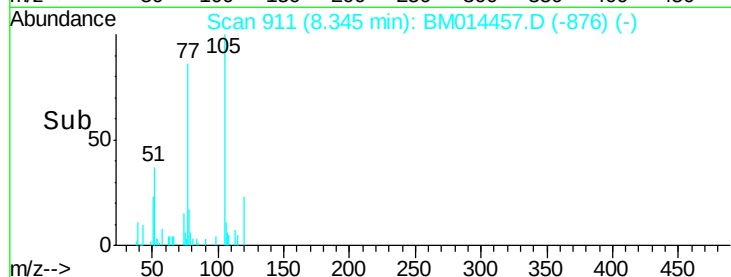
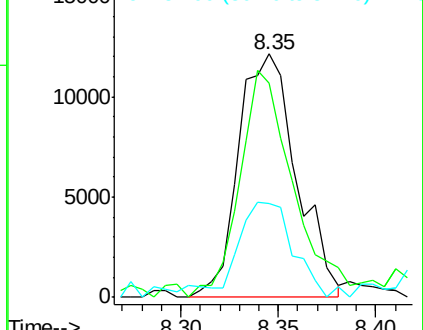
51 38.7 23.4 35.2#



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



#44

Dimethylphthalate

Concen: 6.132 ng/ul

RT: 13.64 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

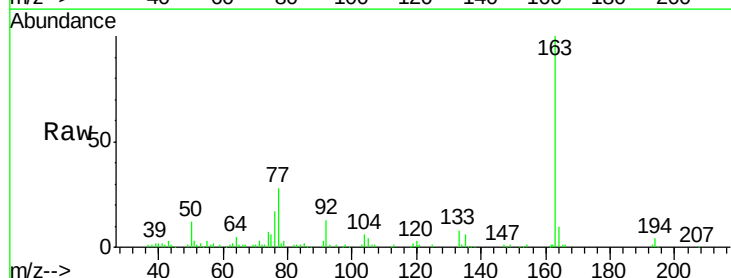
Tgt Ion:163 Resp: 133445

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

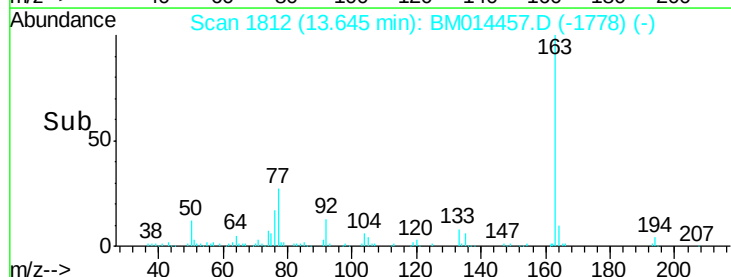
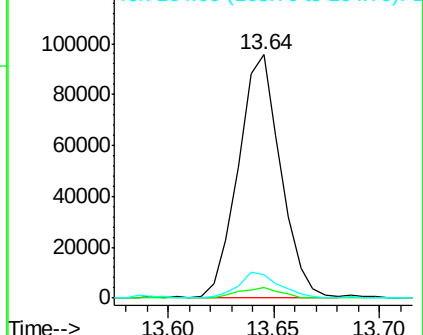
164 9.6 8.2 12.4

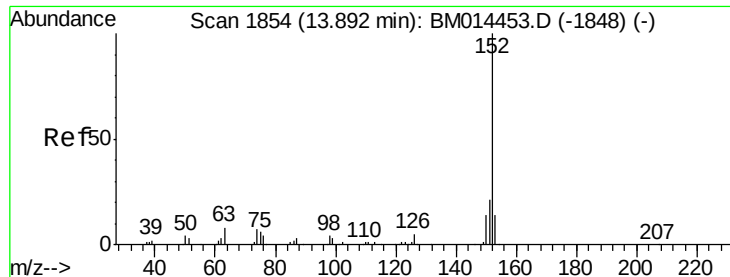


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 5.575 ng/ul

RT: 13.89 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

Instrument :

BNA_M

ClientSampleId :

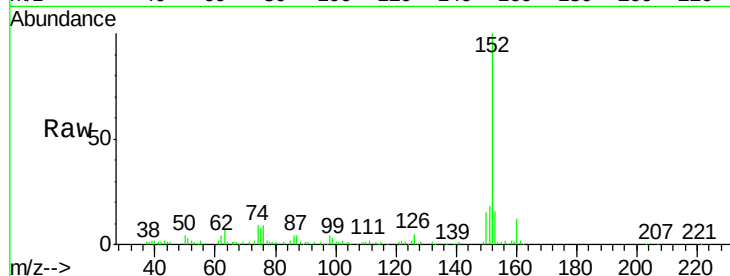
Tot Ion:152 Resp: 143402

Ion Ratio Lower Upper

152 100

151 17.6 16.3 24.5

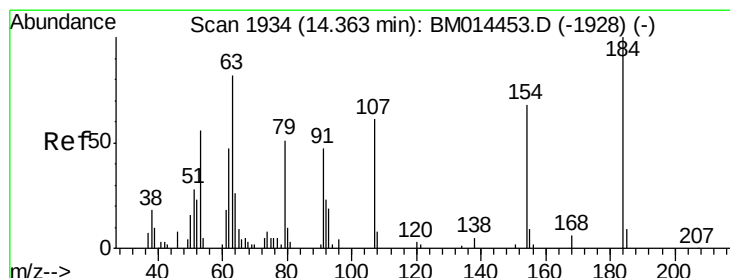
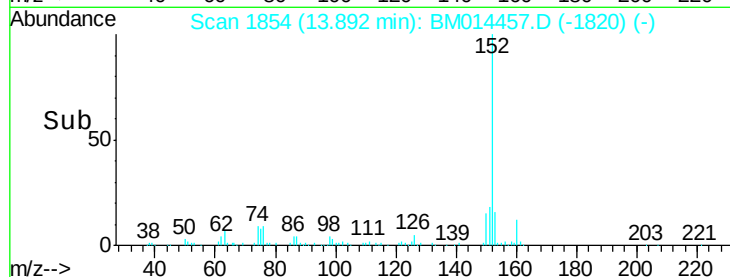
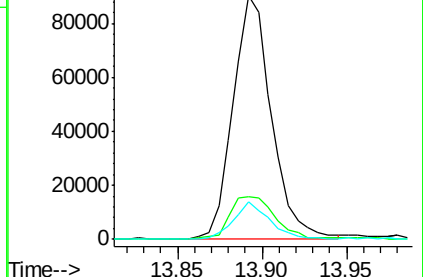
153 15.5 10.2 15.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,4-Dinitrophenol

Concen: 4.887 ng/ul

RT: 14.35 min Scan# 1932

Delta R.T. 0.00 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

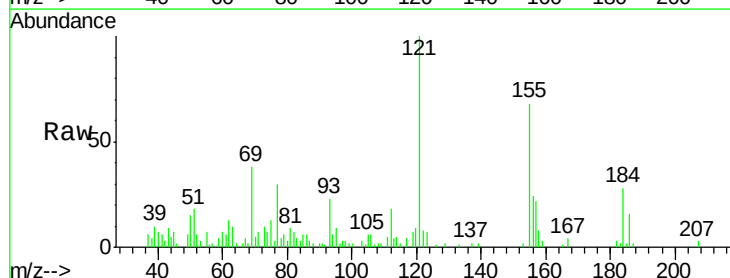
Tgt Ion:184 Resp: 10867

Ion Ratio Lower Upper

184 100

63 36.1 50.1 75.1#

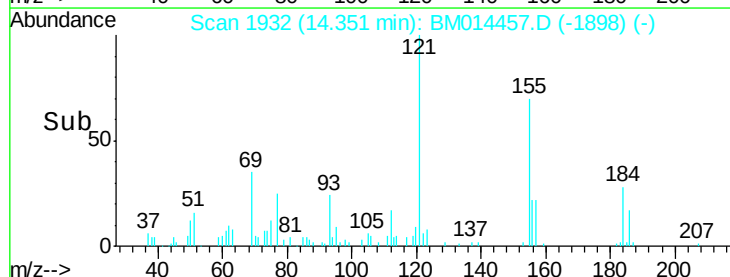
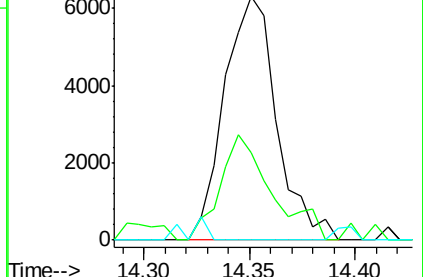
154 0.0 54.5 81.7#

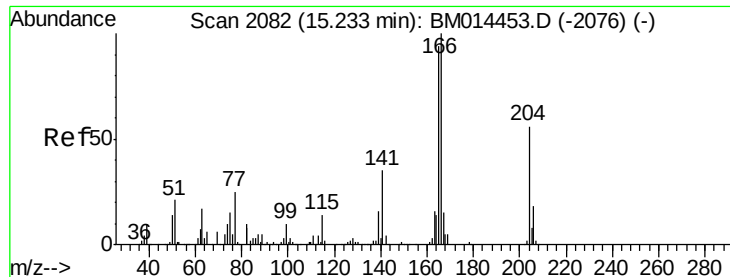


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 1.312 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

Instrument :

BNA_M

ClientSampleId :

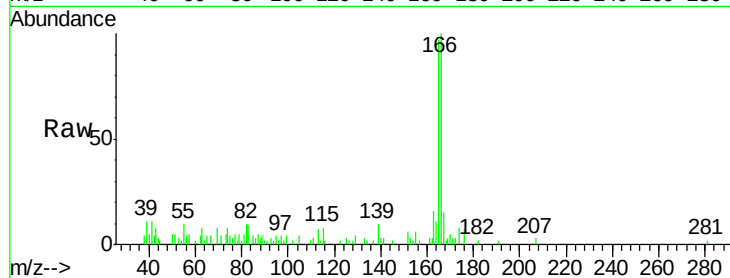
Tot Ion:166 Resp: 30768

Ion Ratio Lower Upper

166 100

165 96.7 77.9 116.9

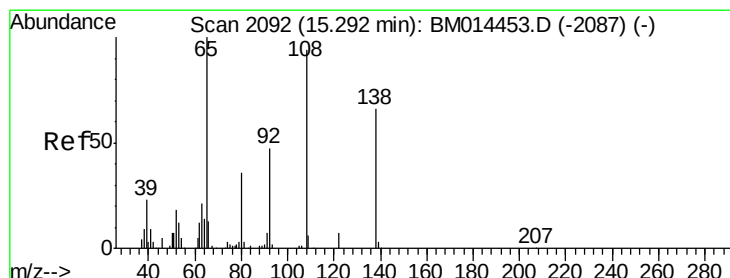
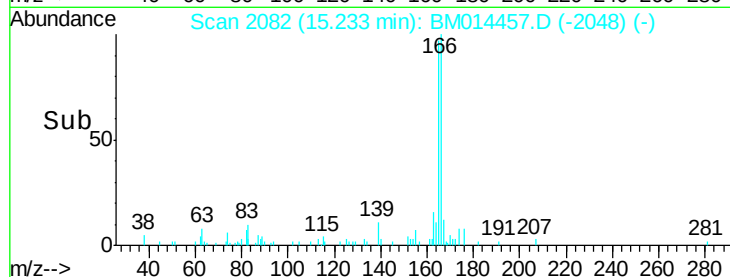
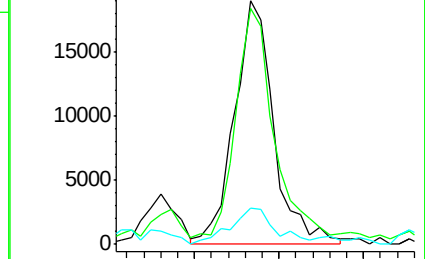
167 14.7 10.6 16.0



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



#60

4-Nitroaniline

Concen: 67.888 ng/ul

RT: 15.30 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

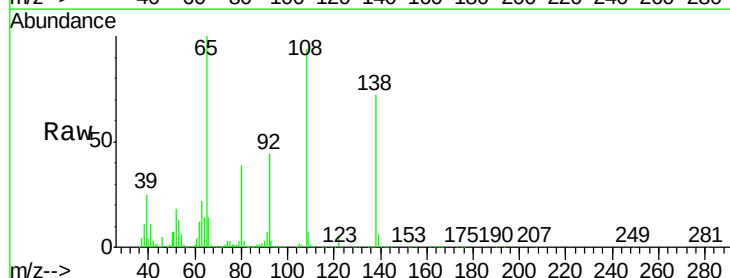
Tgt Ion:138 Resp: 266815

Ion Ratio Lower Upper

138 100

92 61.7 40.0 60.0#

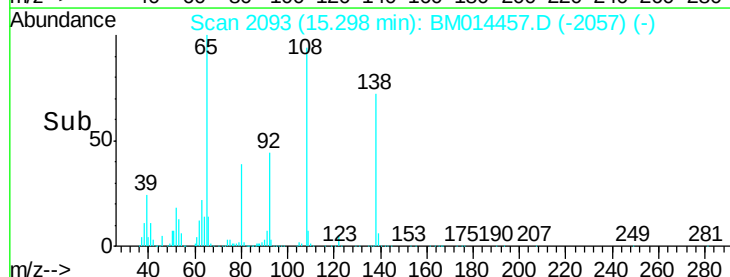
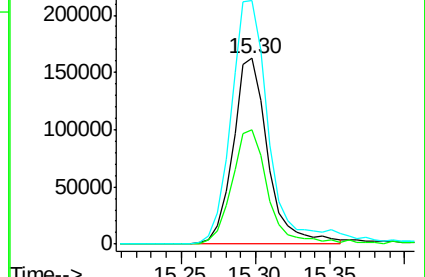
108 131.2 80.0 120.0#

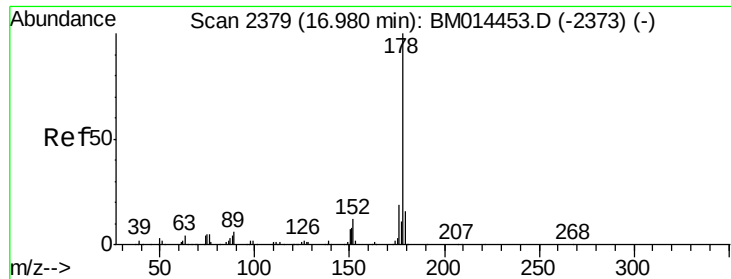


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 20.801 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

Instrument :

BNA_M

ClientSampleId :

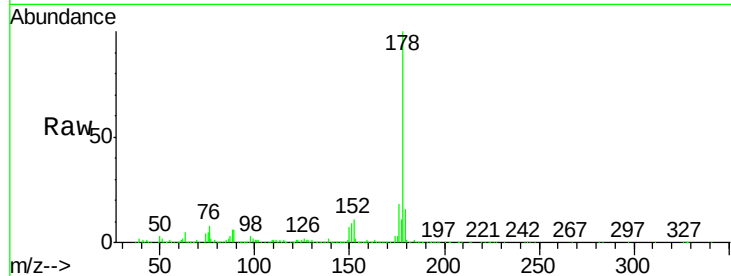
Tot Ion:178 Resp: 751118

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

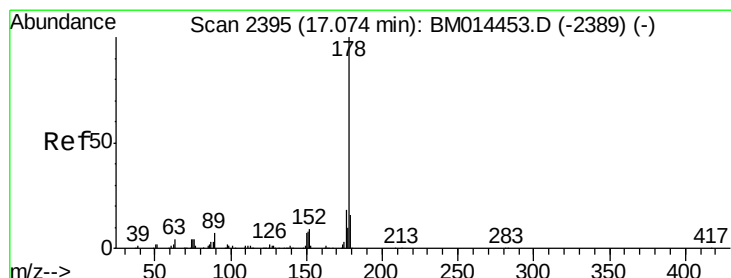
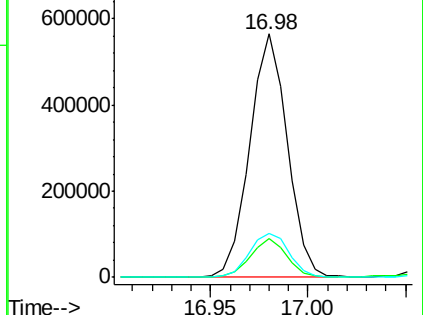
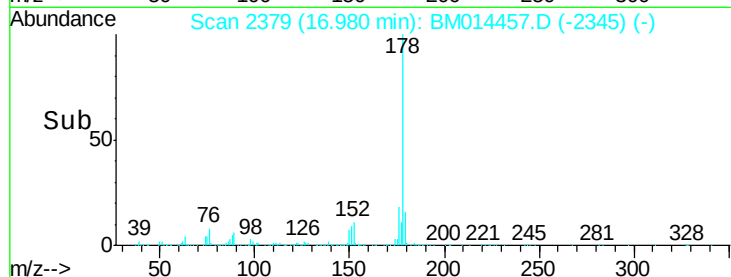
176 18.1 14.9 22.3



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: 5.838 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

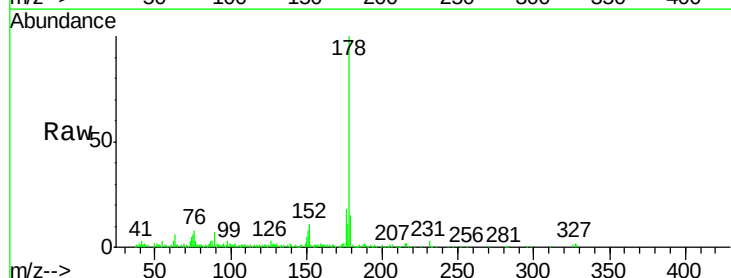
Tgt Ion:178 Resp: 212005

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

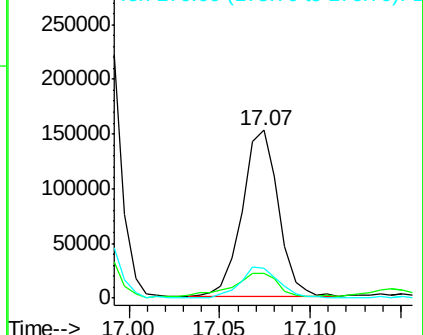
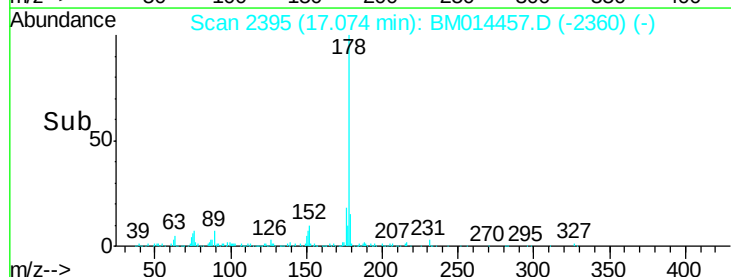
176 18.2 14.6 21.8

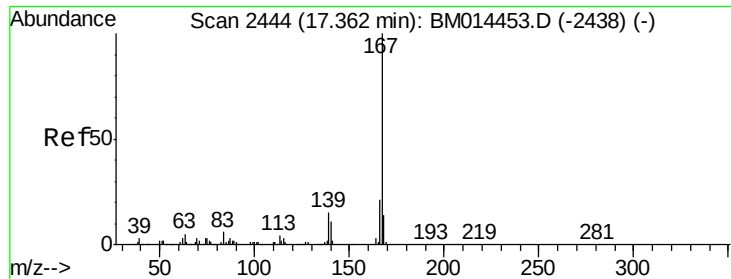


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

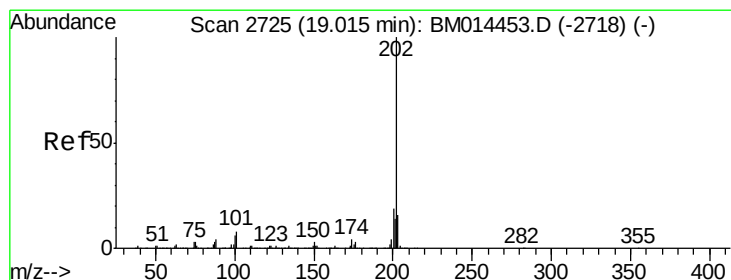
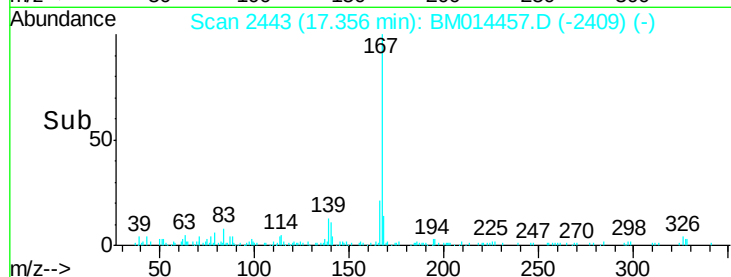
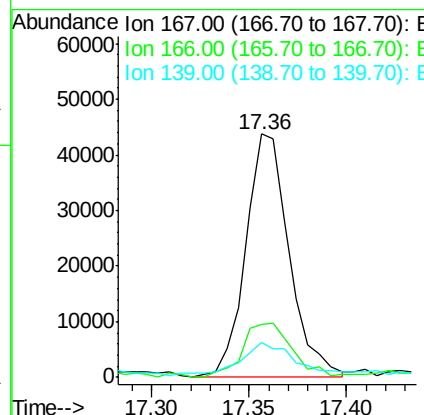
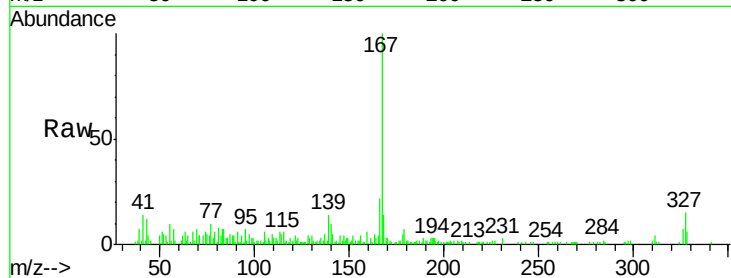




#72
 Carbazole
 Concen: 2.214 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014457.D
 Acq: 02 Mar 2018 12:19

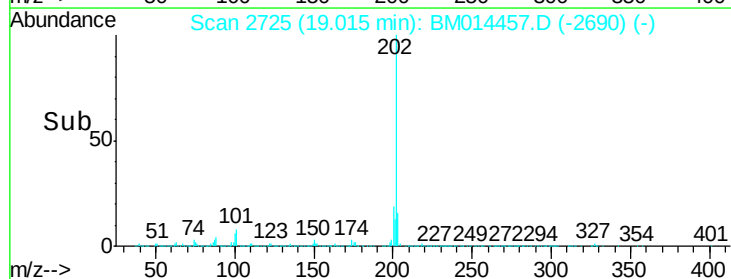
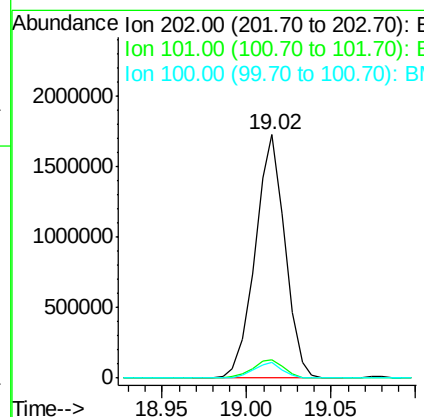
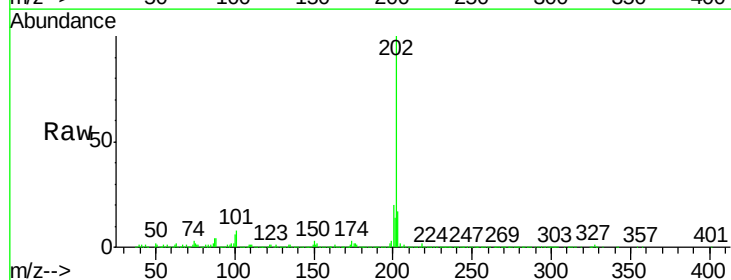
Instrument :
 BNA_M
 ClientSampleId :

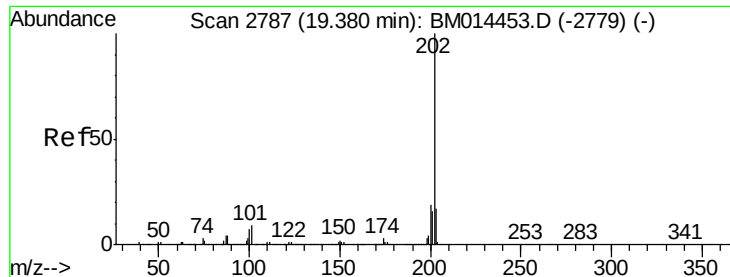
Tot Ion	Ion	Ratio	Lower	Upper
167	100			
166	21.9	17.1	25.7	
139	14.4	10.0	15.0	



#74
 Fluoranthene
 Concen: 49.206 ng/ul
 RT: 19.02 min Scan# 2725
 Delta R.T. 0.01 min
 Lab File: BM014457.D
 Acq: 02 Mar 2018 12:19

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	7.7	4.6	7.0#	
100	6.4	3.4	5.2#	





#77

Pvrene

Concen: 51.704 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

Instrument :

BNA_M

ClientSampleId :

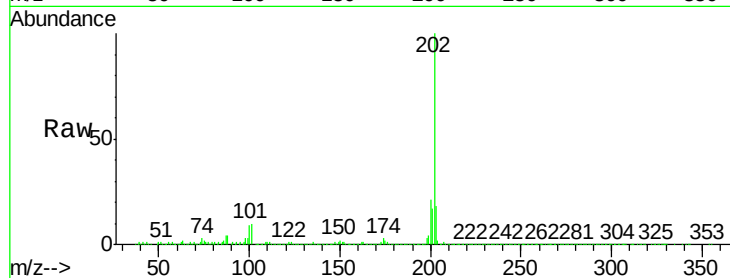
Tot Ion:202 Resp: 1972512

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

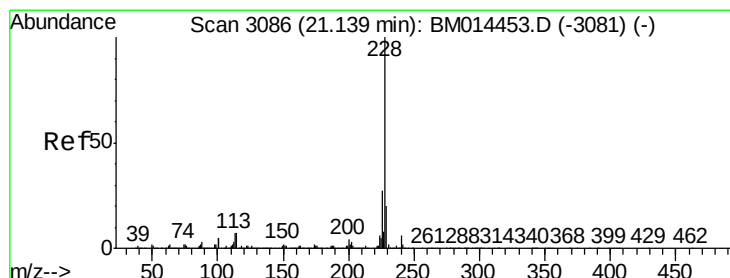
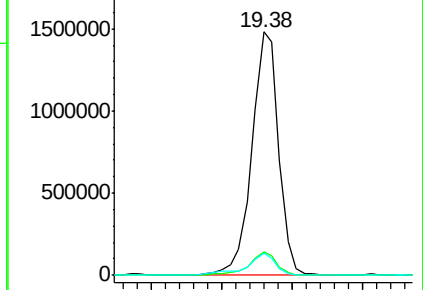
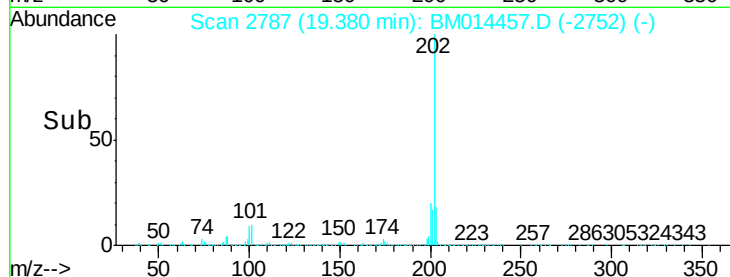
100 8.8 4.9 7.3#



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: 26.008 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

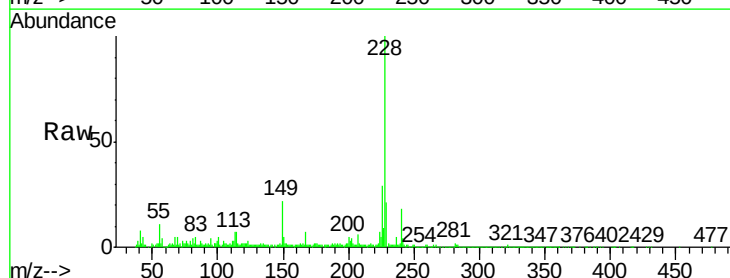
Tgt Ion:228 Resp: 931790

Ion Ratio Lower Upper

228 100

229 21.3 15.4 23.0

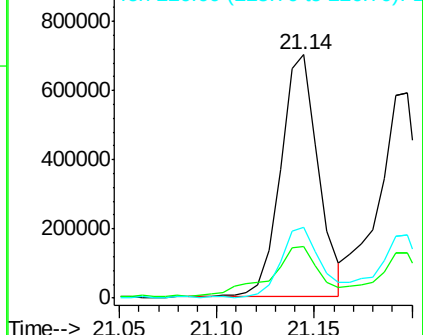
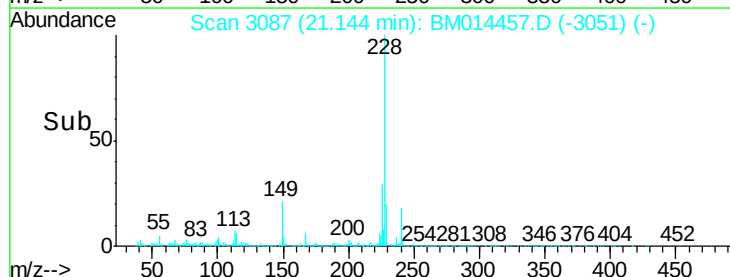
226 29.2 21.4 32.0

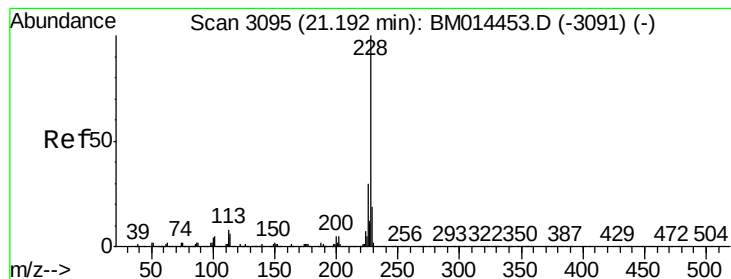


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 25.481 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

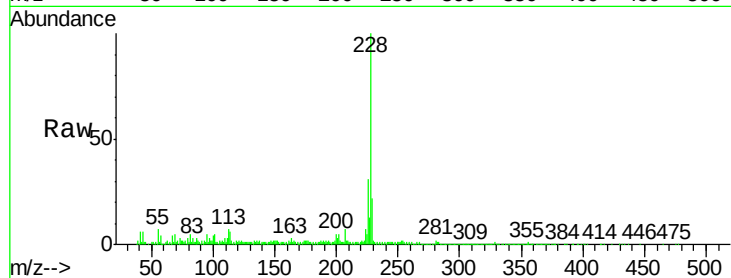
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 851605

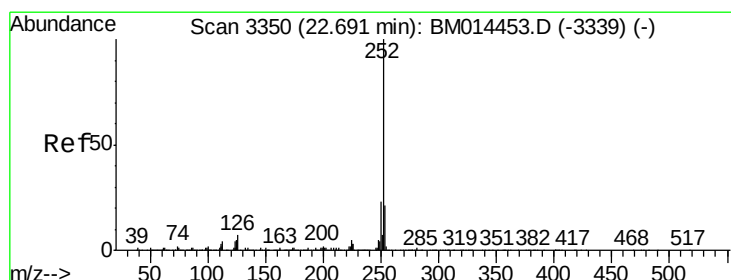
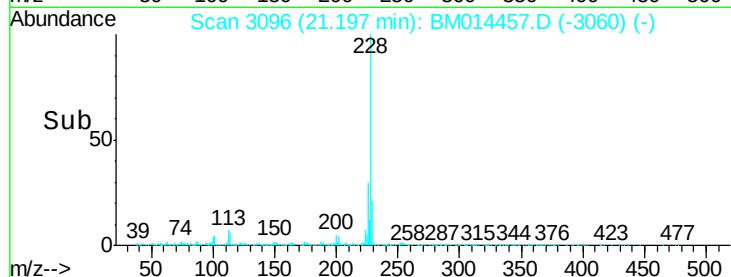
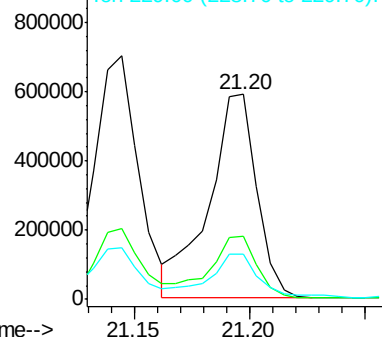
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	22.4	15.5	23.3



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: 35.664 ng/ul

RT: 22.70 min Scan# 3351

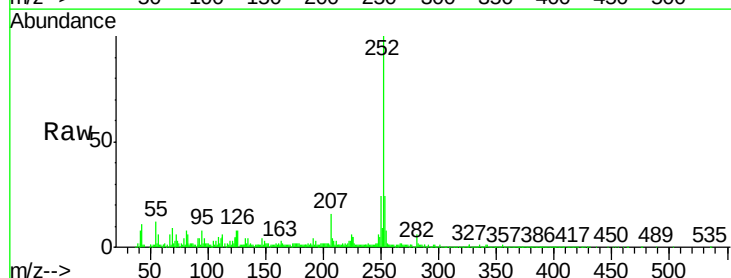
Delta R.T. 0.02 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

Tgt Ion:252 Resp: 1105161

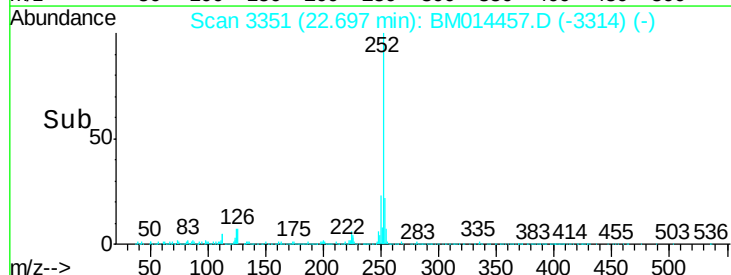
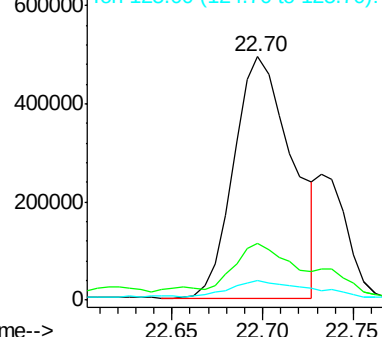
Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	8.1	3.6	5.4#

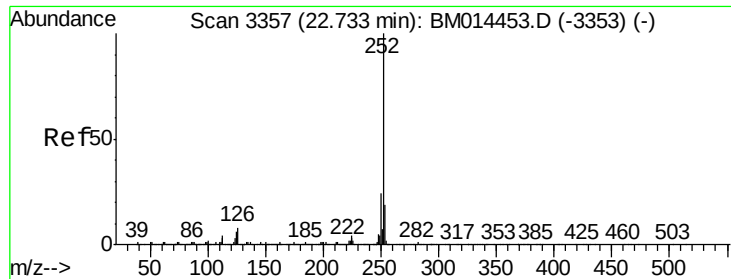


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

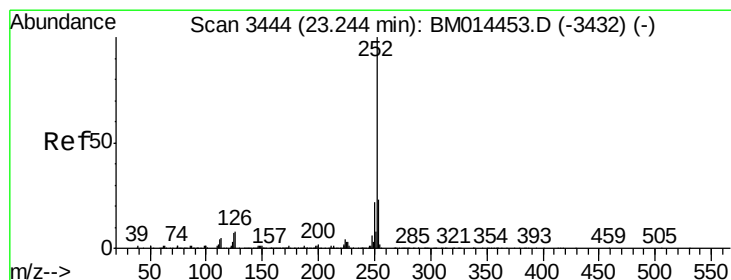
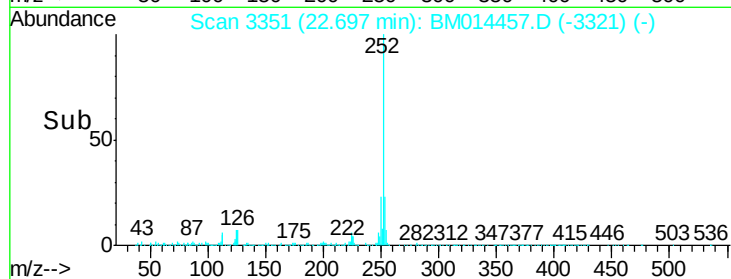
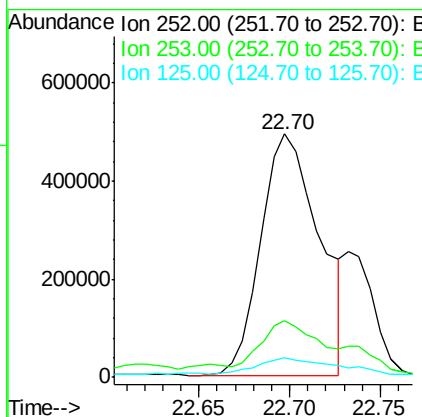
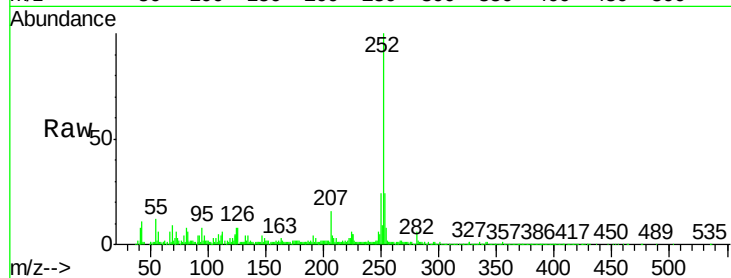




#86
Benzo(k)fluoranthene
Concen: 37.511 ng/ul
RT: 22.70 min Scan# 3351
Delta R.T. -0.02 min
Lab File: BM014457.D
Acq: 02 Mar 2018 12:19

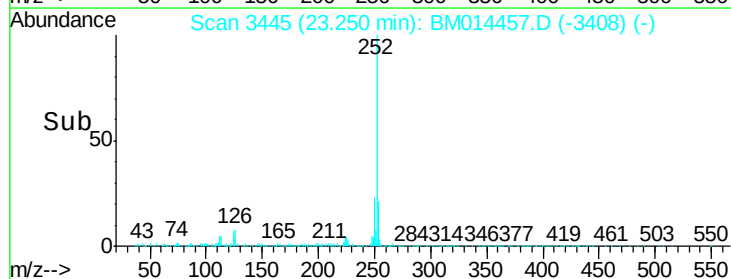
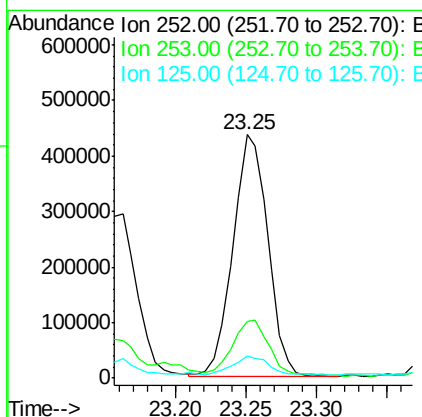
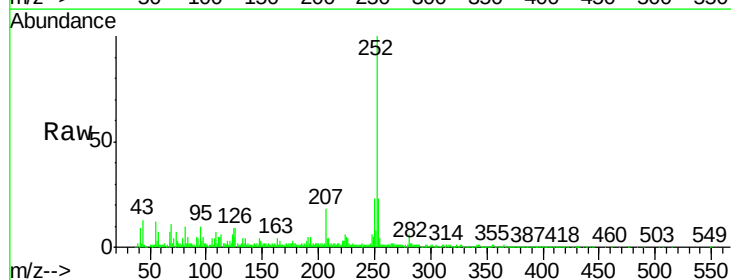
Instrument :
BNA_M
ClientSampleId :

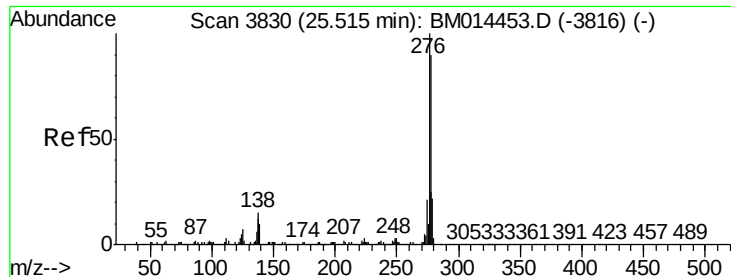
Tot Ion:252 Resp: 1105161
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 8.1 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 27.088 ng/ul
RT: 23.25 min Scan# 3445
Delta R.T. 0.02 min
Lab File: BM014457.D
Acq: 02 Mar 2018 12:19

Tgt Ion:252 Resp: 750100
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.2
125 8.9 4.0 6.0#



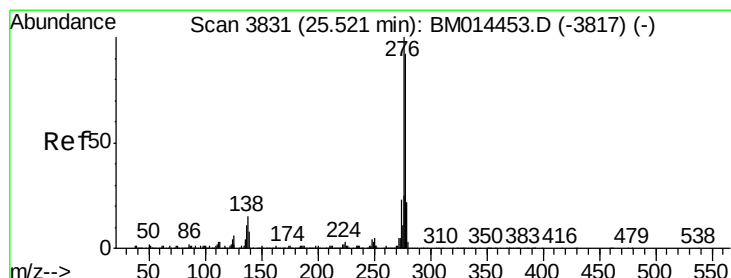
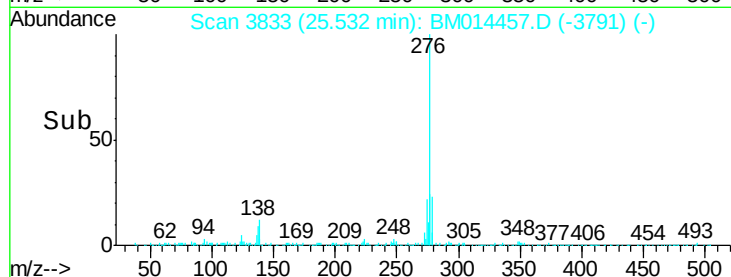
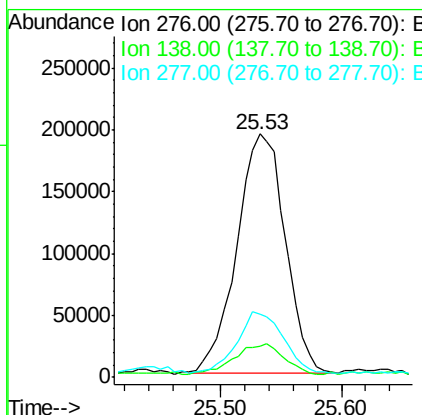
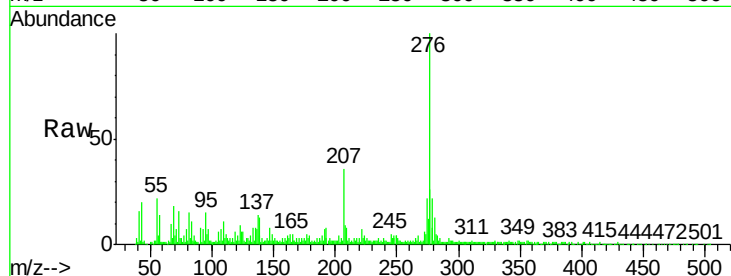


#89

Indeno(1,2,3-cd)pyrene
Concen: 20.018 ng/ul
RT: 25.53 min Scan# 3833
Delta R.T. 0.05 min
Lab File: BM014457.D
Acq: 02 Mar 2018 12:19

Instrument :
BNA_M
ClientSampleId :

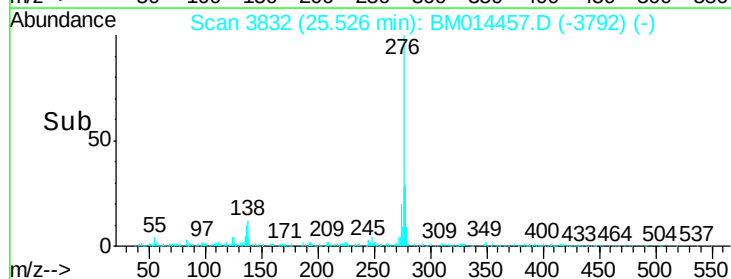
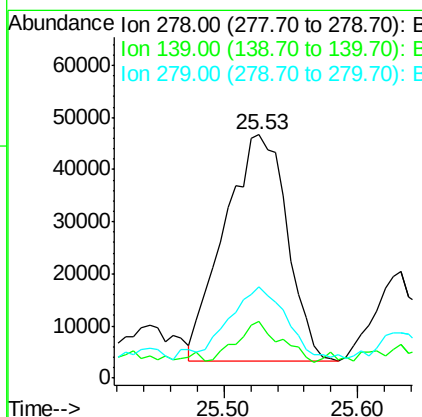
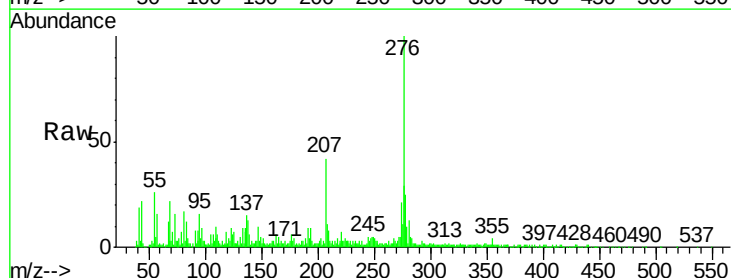
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.1	9.3	13.9
277	25.8	19.9	29.9

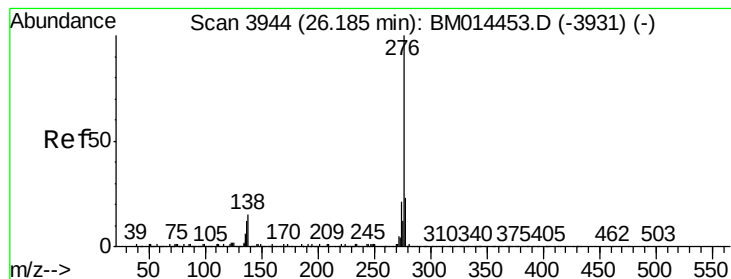


#90

Dibenzo(a,h)anthracene
Concen: 6.355 ng/ul
RT: 25.53 min Scan# 3832
Delta R.T. 0.04 min
Lab File: BM014457.D
Acq: 02 Mar 2018 12:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	5.8	8.8#
279	37.3	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 22.028 ng/ul

RT: 26.20 min Scan# 3947

Delta R.T. 0.05 min

Lab File: BM014457.D

Acq: 02 Mar 2018 12:19

Instrument :

BNA_M

ClientSampleId :

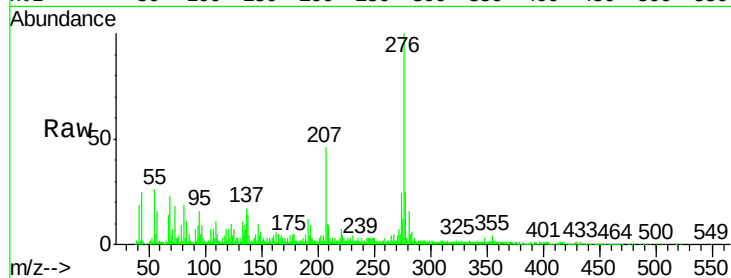
Tot Ion:276 Resp: 479510

Ion Ratio Lower Upper

276 100

138 13.5 8.5 12.7#

277 25.0 18.6 28.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

