

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014486.D
 Acq On : 05 Mar 2018 23:11
 Operator : SJ/JU
 Sample : J1678-07 DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 06 00:01:08 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	86934	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	349090	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	188573	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	413606	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	362414	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	345728	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	2977	1.47	ng/uL	0.00
5) Phenol-d5	6.74	99	44595	6.07	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.86	67	30479	6.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	41579	7.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	29244	4.55	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	18292	7.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	19213	7.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	765	0.14	ng/ul	0.12
29) 4-Chloroaniline-d4	10.47	131	13398	2.46	ng/ul	0.02
43) Dimethylphthalate-d6	13.60	166	124176	7.97	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	156017	8.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	3191	1.48	ng/ul	0.04
57) Fluorene-d10	15.18	176	100755	7.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	5669	2.28	ng/ul	0.02
70) Anthracene-d10	17.04	188	160655	8.05	ng/ul	0.00
76) Pyrene-d10	19.35	212	159303	8.52	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	337728	20.07	ng/ul	0.13

Target Compounds

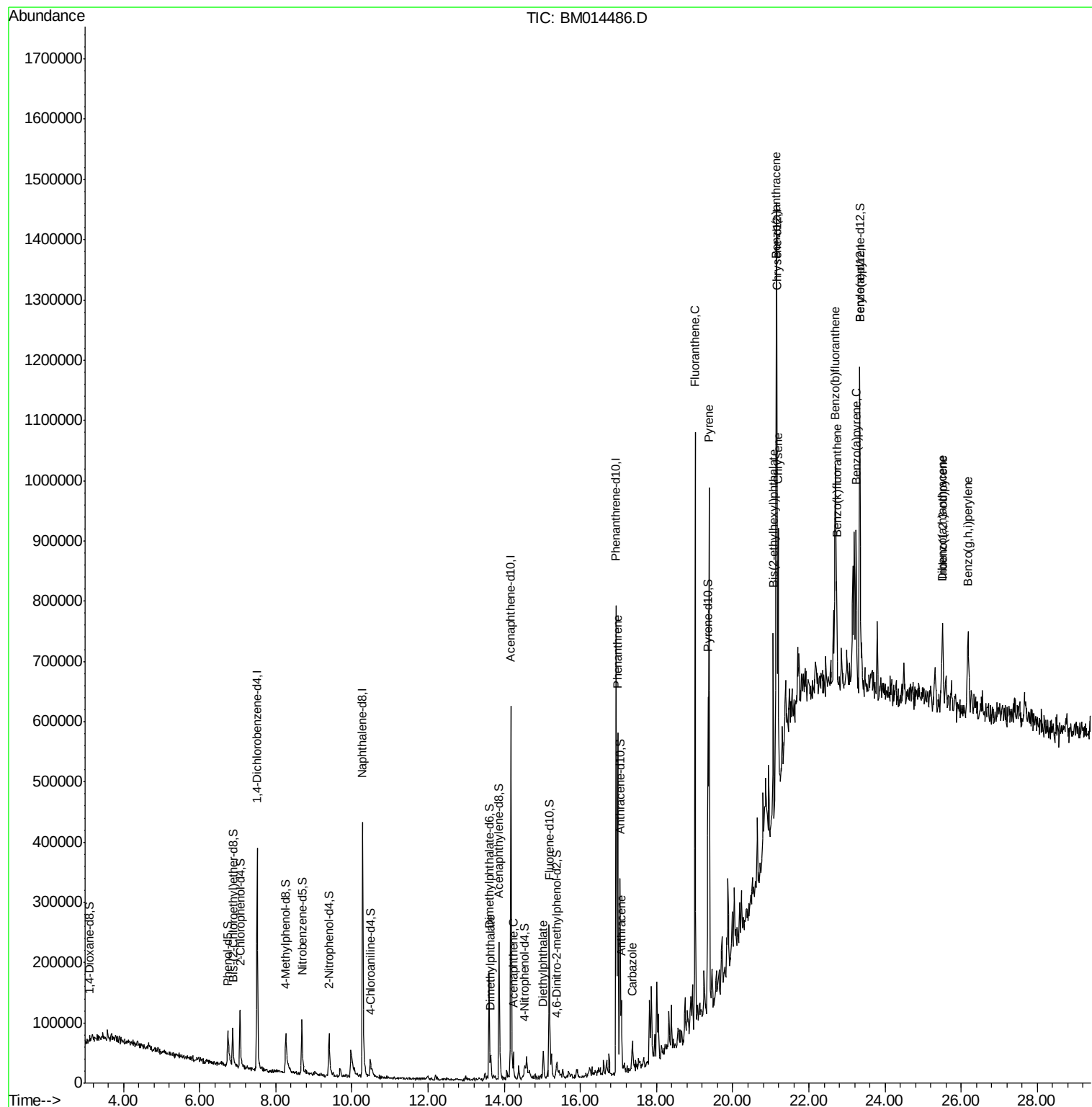
					Ovalue	
44) Dimethylphthalate	13.65	163	18693	1.217	ng/ul	97
49) Acenaphthene	14.24	153	15790	1.235	ng/ul#	88
56) Diethylphthalate	15.02	149	21284	1.244	ng/ul#	88
69) Phenanthrene	16.98	178	315546	13.241	ng/ul	99
71) Anthracene	17.07	178	65865	2.748	ng/ul	98
72) Carbazole	17.37	167	23940	1.188	ng/ul	94
74) Fluoranthene	19.01	202	521822	18.328	ng/ul#	96
77) Pyrene	19.38	202	503841	20.919	ng/ul#	95
80) Benzo(a)anthracene	21.14	228	245887	10.871	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.06	149	84441	5.921	ng/ul#	95
82) Chrysene	21.19	228	214723	10.176	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	253242	10.939	ng/ul#	95
86) Benzo(k)fluoranthene	22.73	252	86157	3.915	ng/ul#	88
88) Benzo(a)pyrene	23.24	252	195754	9.463	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.51	276	120879	6.022	ng/ul	98
90) Dibenzo(a,h)anthracene	25.50	278	20657	1.238	ng/ul#	73
91) Benzo(g,h,i)perylene	26.19	276	95131	5.850	ng/ul#	93

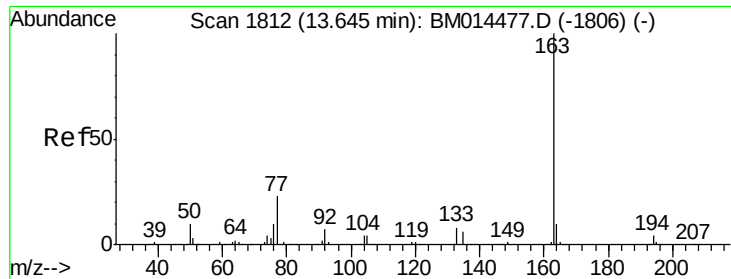
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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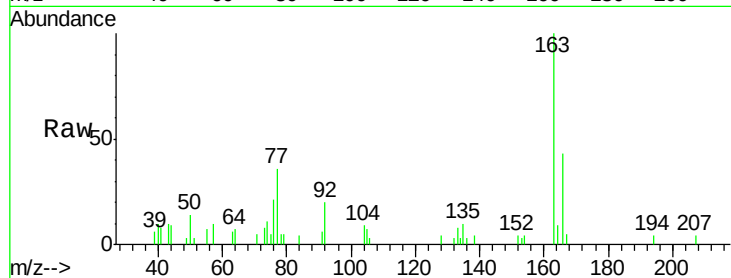




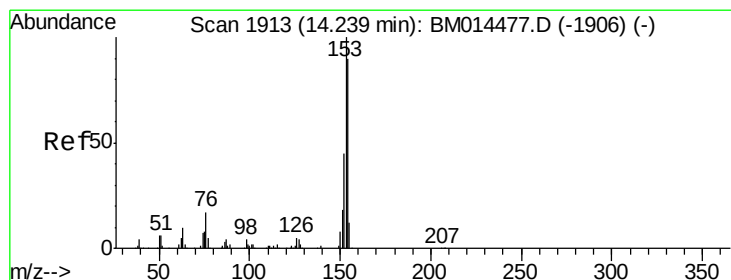
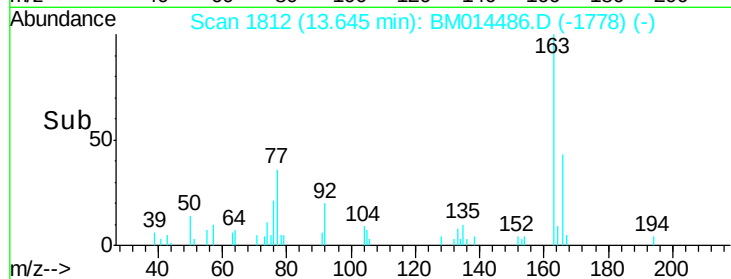
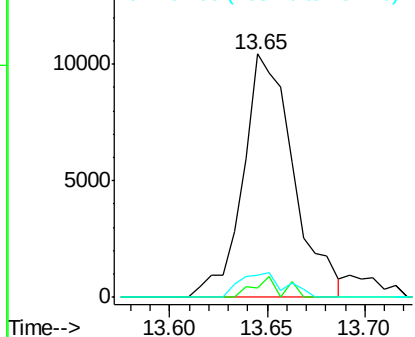
#44
Dimethylphthalate
Concen: 1.217 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014486.D
Acq: 05 Mar 2018 23:11

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.5	5.3
164	8.9	8.2	12.4

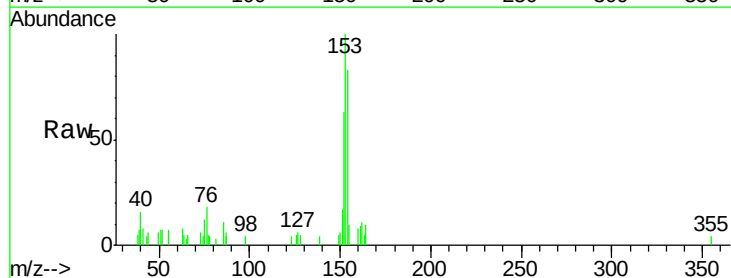


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

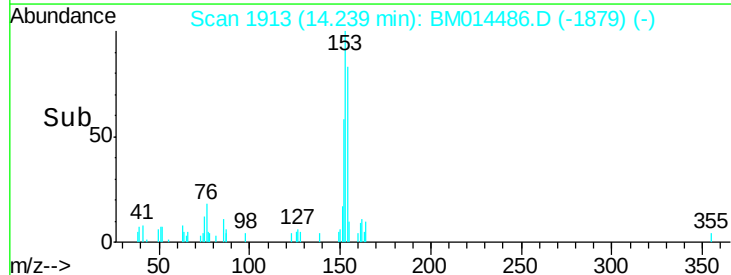
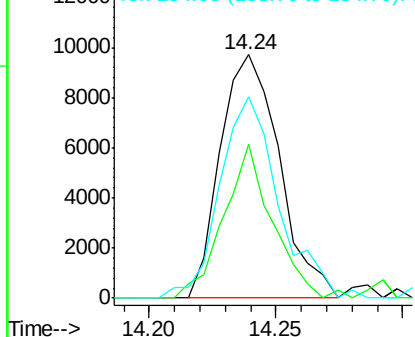


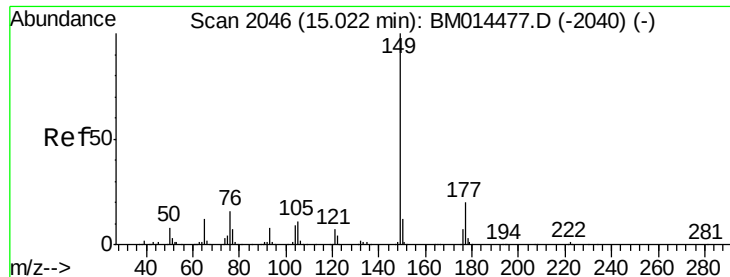
#49
Acenaphthene
Concen: 1.235 ng/ul
RT: 14.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: BM014486.D
Acq: 05 Mar 2018 23:11

Tgt Ion	Ratio	Lower	Upper
153	100		
152	63.4	37.6	56.4#
154	82.6	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





#56

Diethylphthalate

Concen: 1.244 ng/ul

RT: 15.02 min Scan# 2046

Delta R.T. -0.00 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

Instrument :

BNA_M

ClientSampleId :

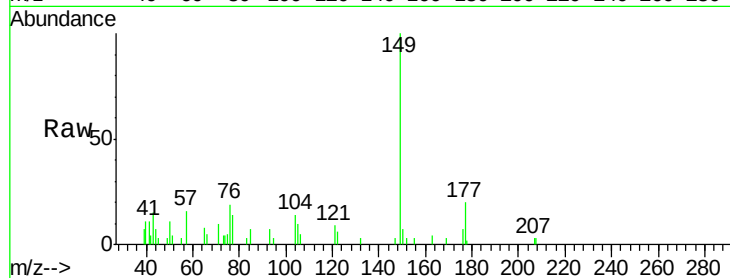
Tot Ion:149 Resp: 21284

Ion Ratio Lower Upper

149 100

177 20.3 20.5 30.7#

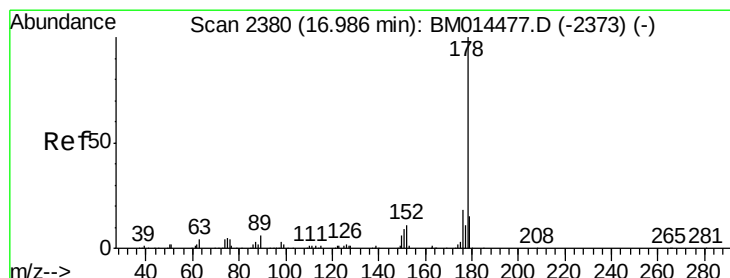
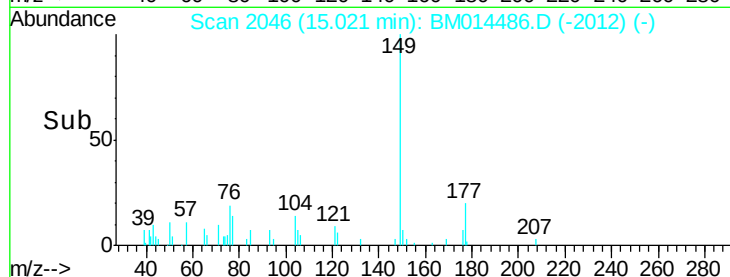
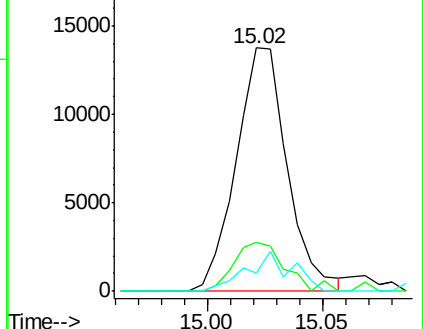
150 7.5 10.6 15.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#69

Phenanthrene

Concen: 13.241 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

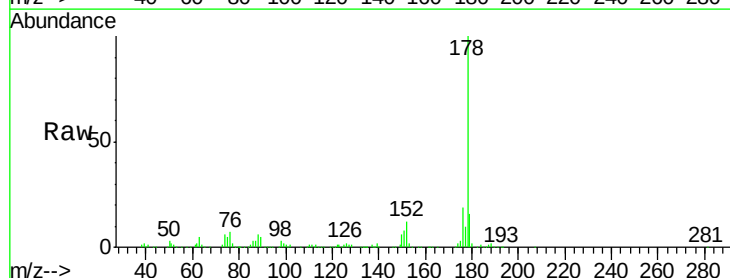
Tgt Ion:178 Resp: 315546

Ion Ratio Lower Upper

178 100

179 15.7 12.6 19.0

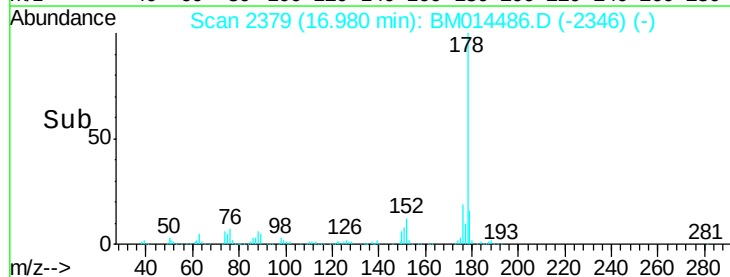
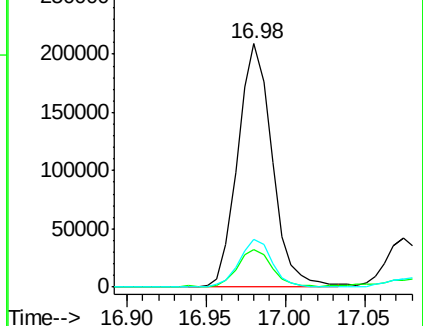
176 19.4 14.9 22.3

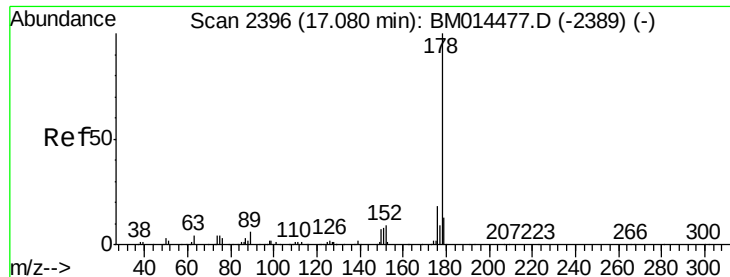


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.748 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

Instrument :

BNA_M

ClientSampleId :

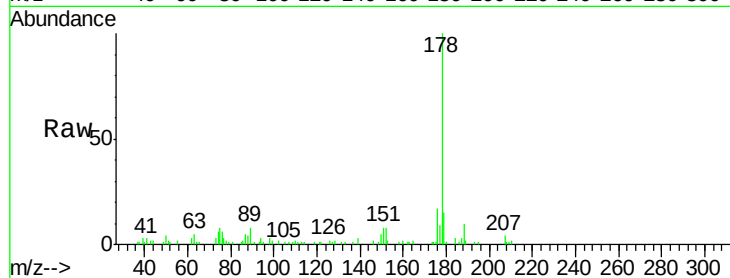
Tot Ion:178 Resp: 65865

Ion Ratio Lower Upper

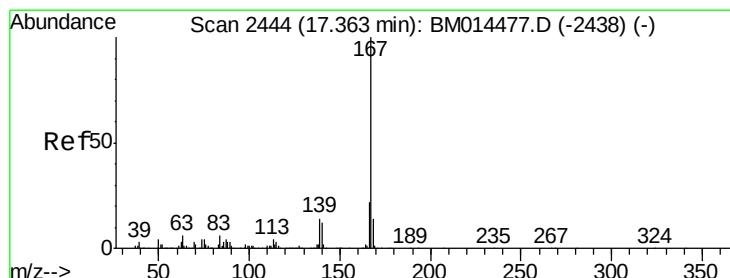
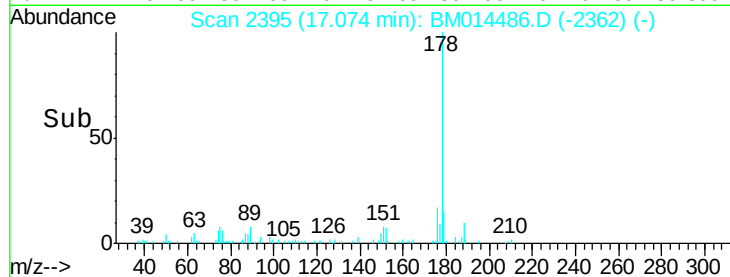
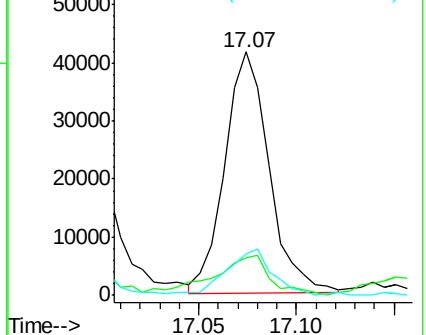
178 100

179 15.2 11.7 17.5

176 17.1 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: 1.188 ng/ul

RT: 17.37 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

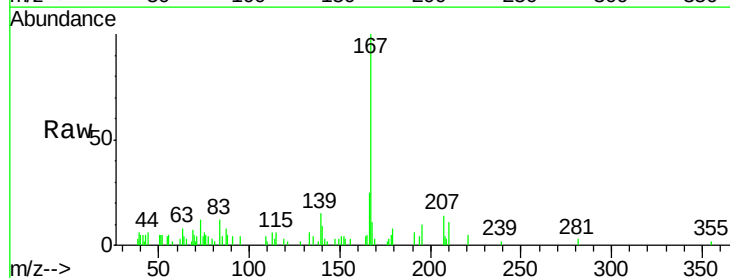
Tgt Ion:167 Resp: 23940

Ion Ratio Lower Upper

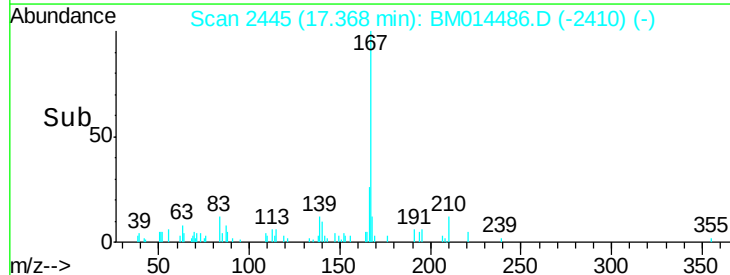
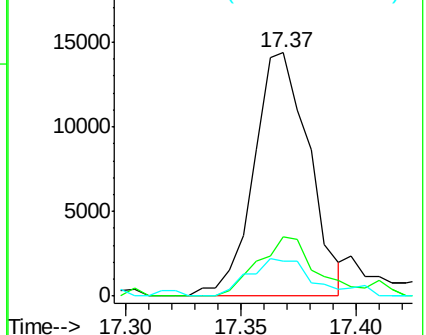
167 100

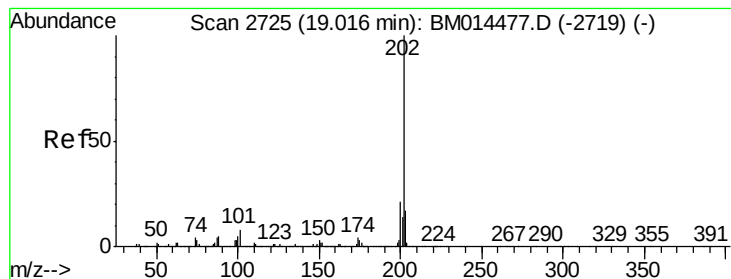
166 24.6 17.1 25.7

139 14.6 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: 18.328 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.01 min

Lab File: BM014486.D

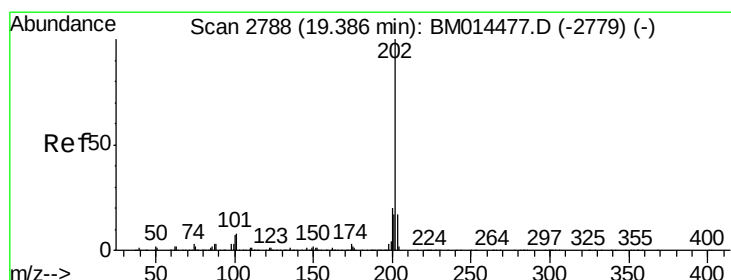
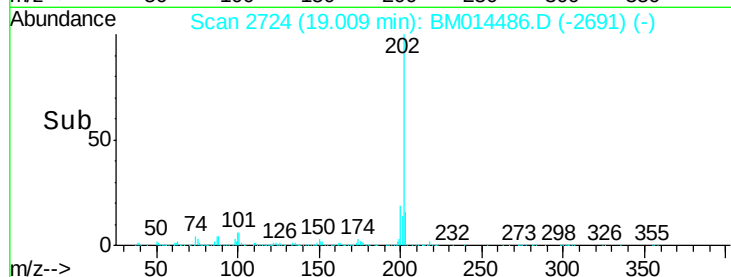
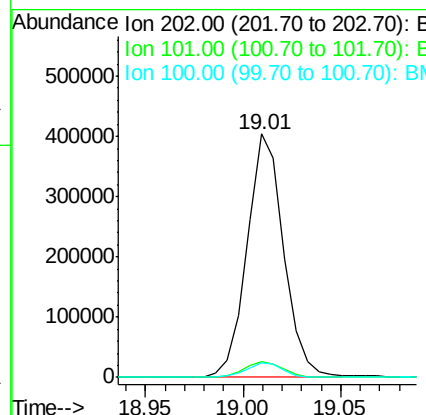
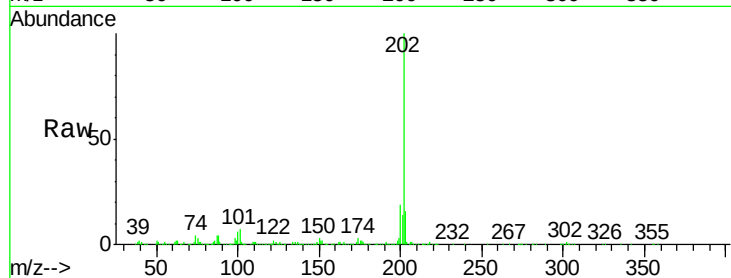
Acq: 05 Mar 2018 23:11

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	521822
Ion	Ratio	Lower	Upper
202	100		
101	6.7	4.6	7.0
100	5.9	3.4	5.2#



#77

Pyrene

Concen: 20.919 ng/ul

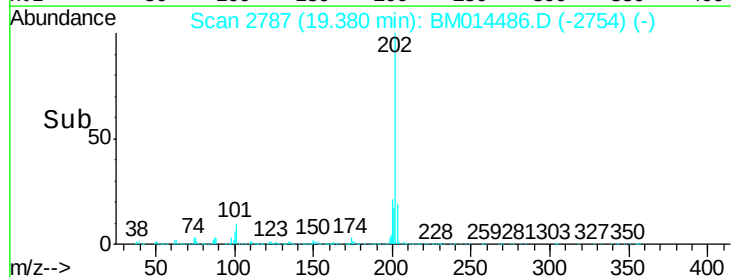
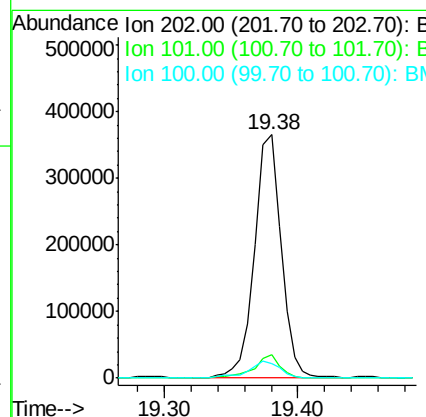
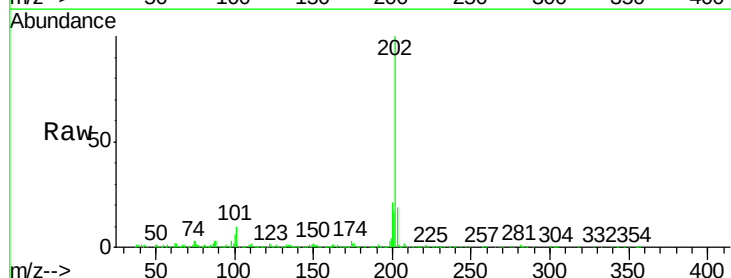
RT: 19.38 min Scan# 2787

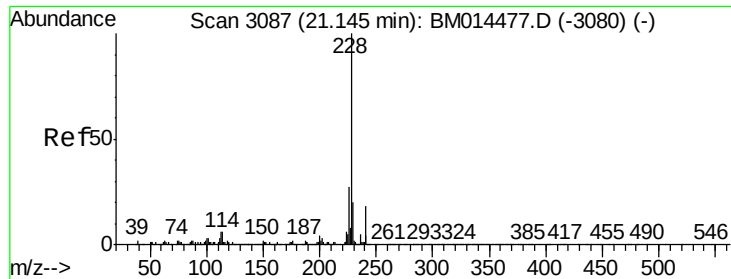
Delta R.T. -0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

Tgt Ion:	202	Resp:	503841
Ion	Ratio	Lower	Upper
202	100		
101	9.7	5.1	7.7#
100	6.0	4.9	7.3





#80

Benzo(a)anthracene

Concen: 10.871 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM014486.D

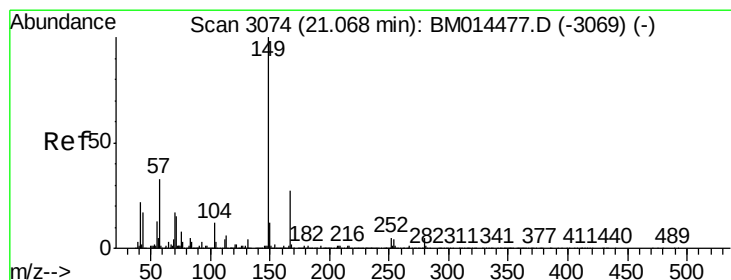
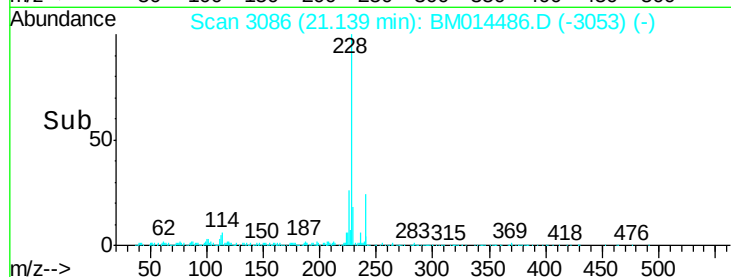
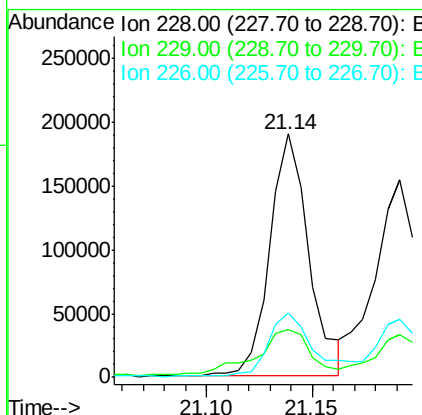
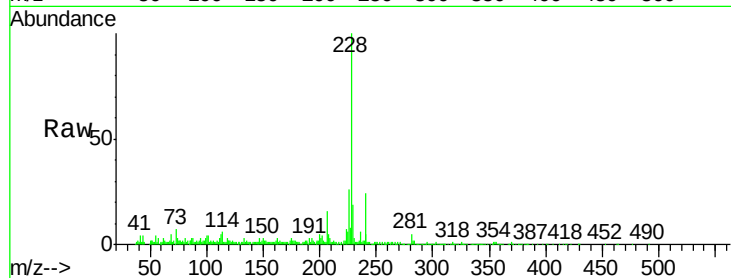
Acq: 05 Mar 2018 23:11

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	228	Resp:	245887
Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.4	23.0
226	26.3	21.4	32.0



#81

Bis(2-ethylhexyl)phthalate

Concen: 5.921 ng/ul

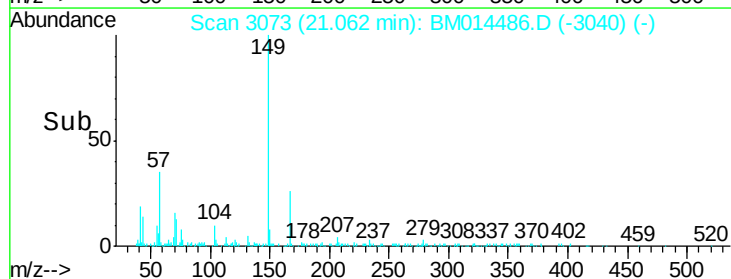
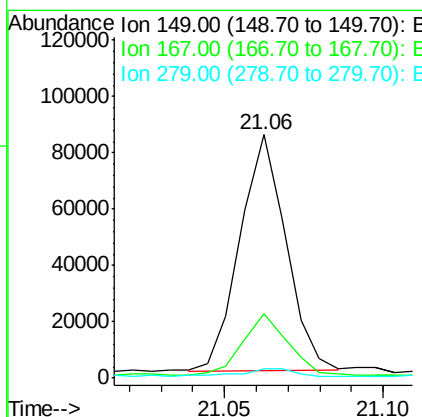
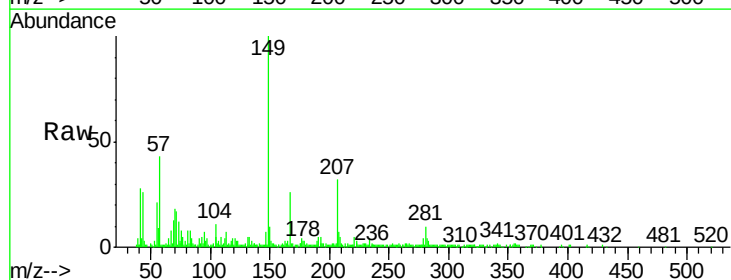
RT: 21.06 min Scan# 3073

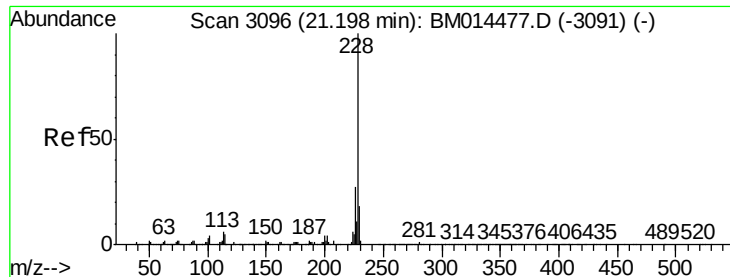
Delta R.T. -0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

Tgt Ion:	149	Resp:	84441
Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.8	34.2
279	3.6	4.9	7.3#





#82

Chrysene

Concen: 10.176 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

Instrument :

BNA_M

ClientSampled :

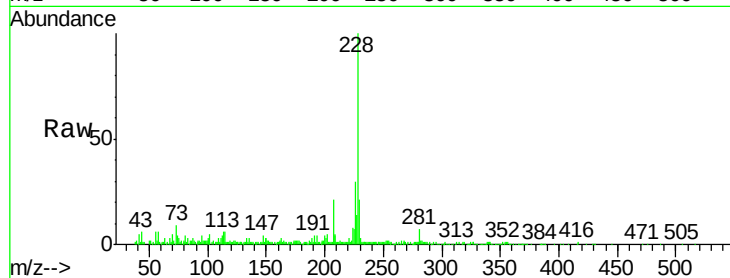
Tot Ion:228 Resp: 214723

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	21.4	15.5	23.3

228 100

226 29.5 23.4 35.2

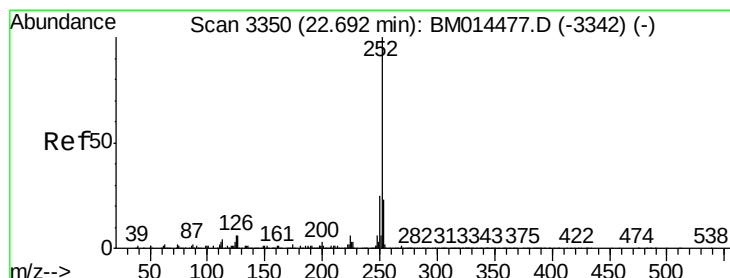
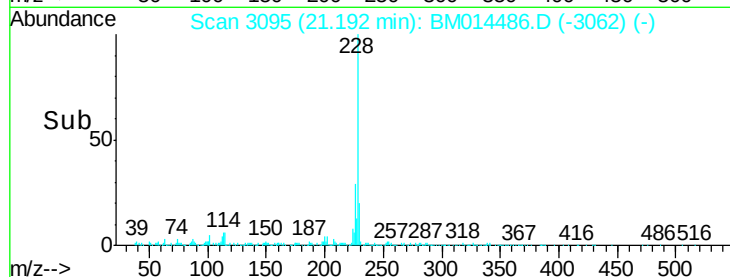
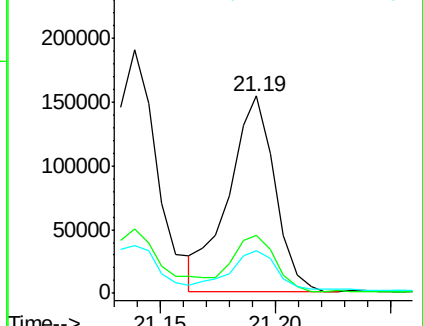
229 21.4 15.5 23.3



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: 10.939 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

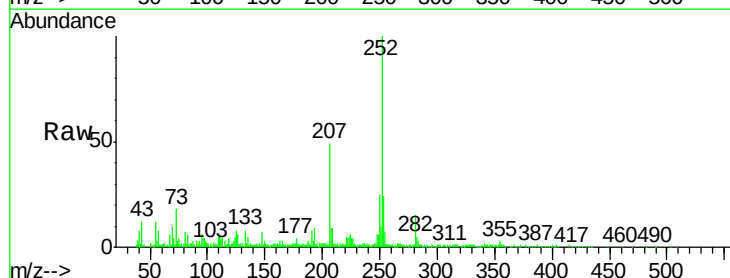
Tgt Ion:252 Resp: 253242

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	8.3	3.6	5.4

252 100

253 23.9 17.9 26.9

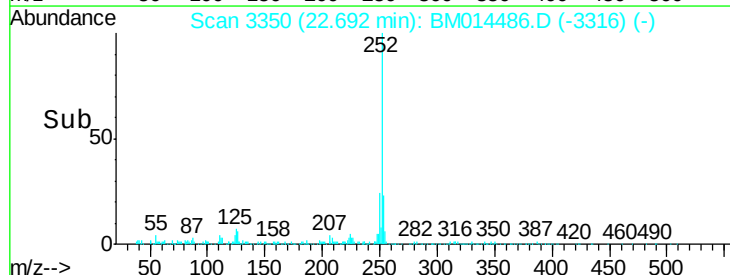
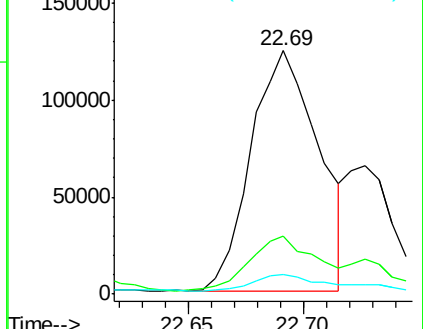
125 8.3 3.6 5.4

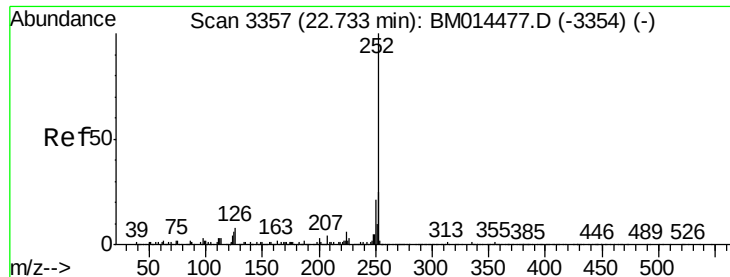


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.915 ng/ul

RT: 22.73 min Scan# 3356

Delta R.T. -0.01 min

Lab File: BM014486.D

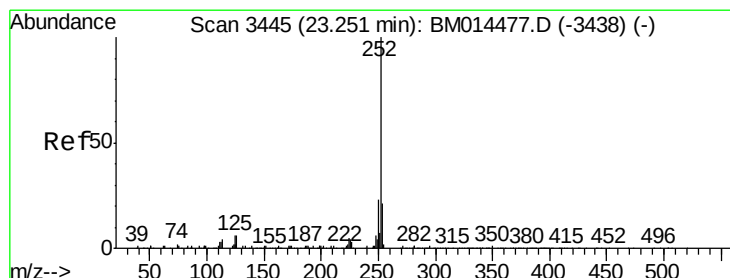
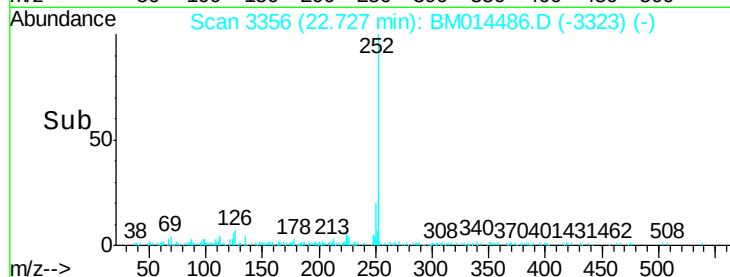
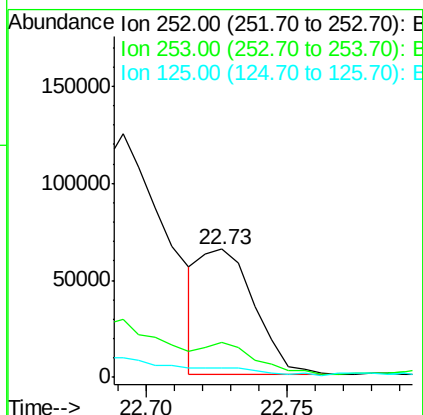
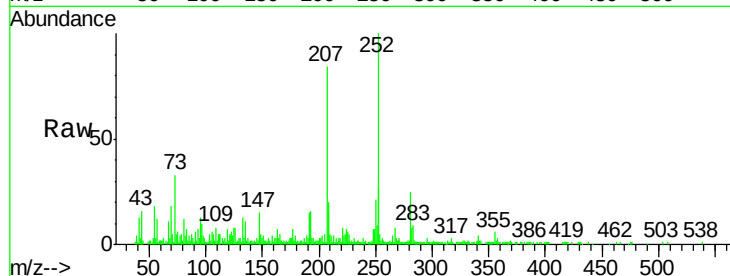
Acq: 05 Mar 2018 23:11

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	86157
Ion Ratio	Lower	Upper
252	100	
253	27.4	17.1 25.7#
125	7.7	3.4 5.2#



#88

Benzo(a)pyrene

Concen: 9.463 ng/ul

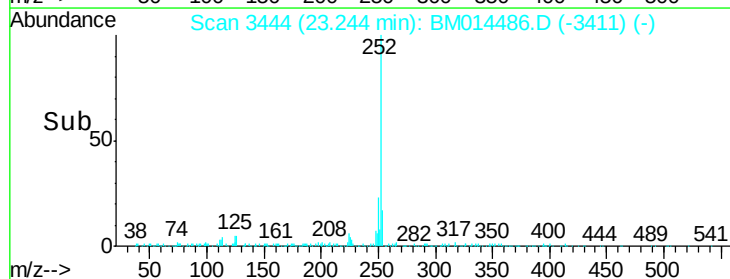
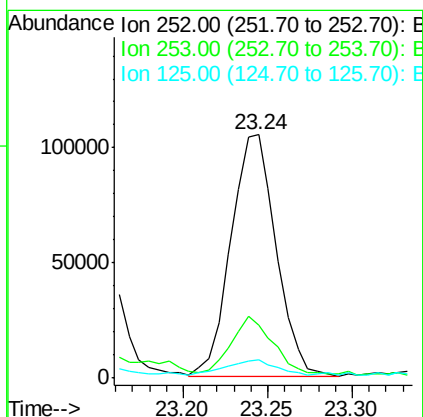
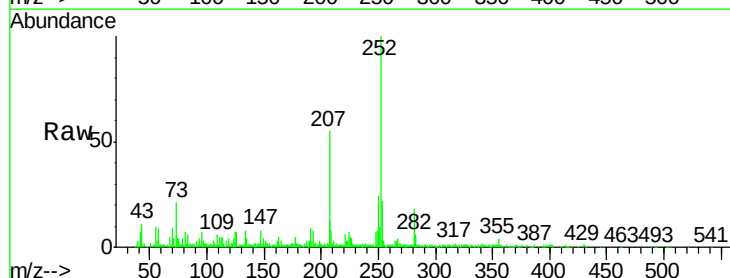
RT: 23.24 min Scan# 3444

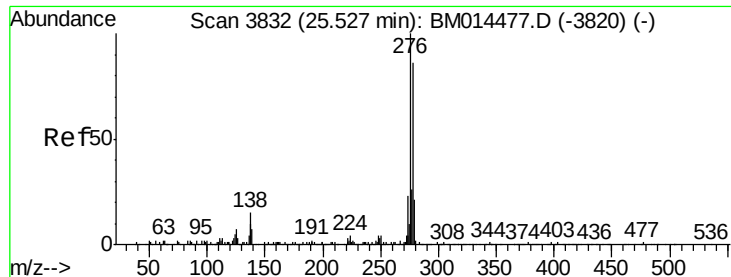
Delta R.T. -0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

Tgt Ion:252	Resp:	195754
Ion Ratio	Lower	Upper
252	100	
253	21.9	18.2 27.2
125	7.3	4.0 6.0#



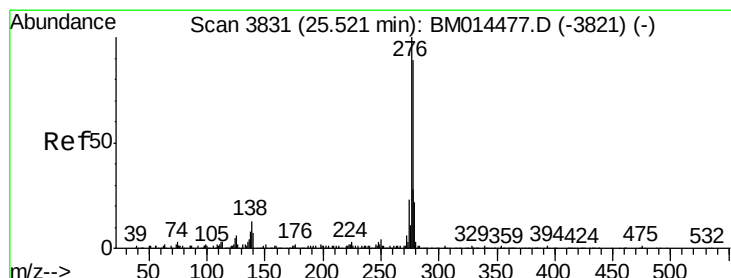
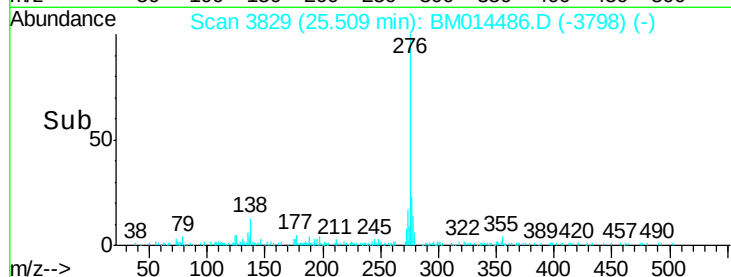
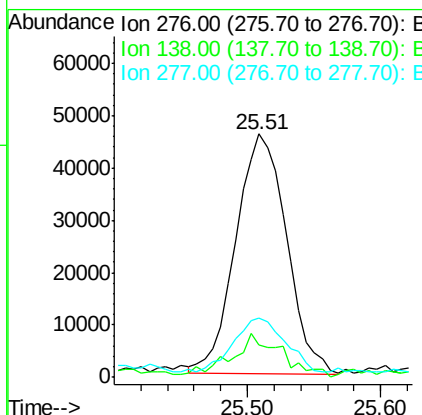
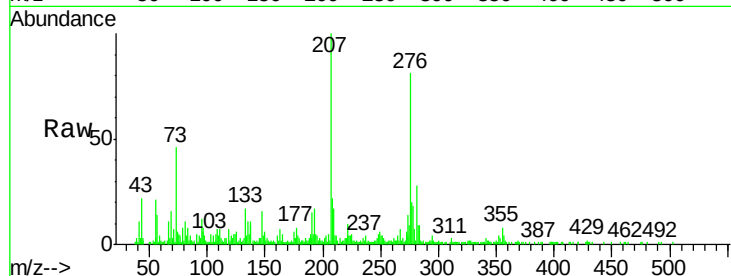


#89

Indeno(1,2,3-cd)pyrene
Concen: 6.022 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. -0.02 min
Lab File: BM014486.D
Acq: 05 Mar 2018 23:11

Instrument :
BNA_M
ClientSampleId :

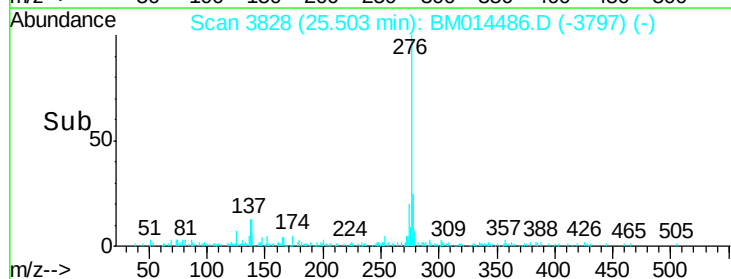
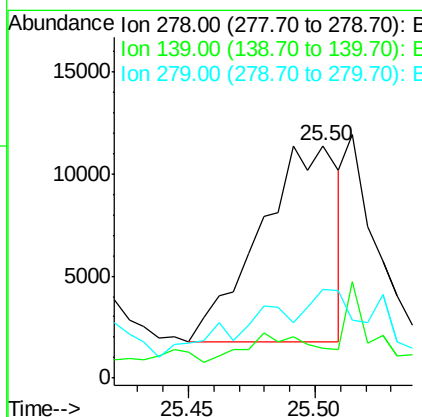
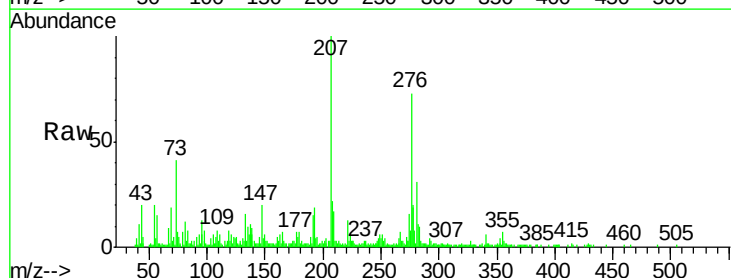
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.5	9.3	13.9
277	24.3	19.9	29.9

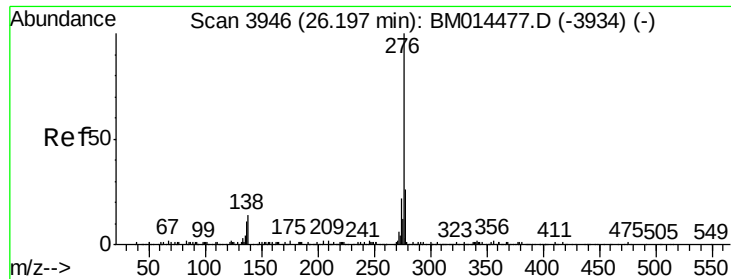


#90

Dibenzo(a,h)anthracene
Concen: 1.238 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. -0.02 min
Lab File: BM014486.D
Acq: 05 Mar 2018 23:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.8	5.8	8.8#
279	38.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 5.850 ng/ul

RT: 26.19 min Scan# 3944

Delta R.T. -0.01 min

Lab File: BM014486.D

Acq: 05 Mar 2018 23:11

Instrument :

BNA_M

ClientSampleId :

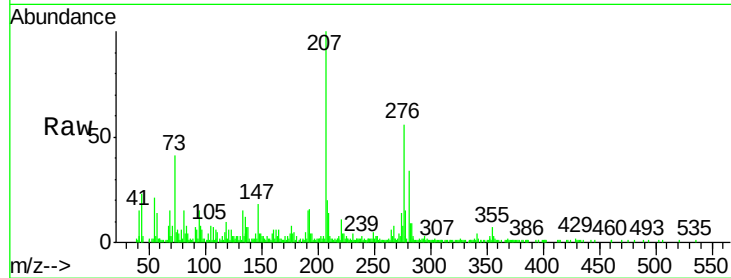
Tot Ion:276 Resp: 95131

Ion Ratio Lower Upper

276 100

138 12.8 8.5 12.7#

277 27.0 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

