

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014482.D
 Acq On : 05 Mar 2018 20:47
 Operator : SJ/JU
 Sample : J1679-02DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 05 23:59:19 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	76765	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	306340	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	170341	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	378315	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	332816	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	324505	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1016	0.57	ng/uL	0.00
5) Phenol-d5	6.75	99	12491	1.93	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	15574	3.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	21804	4.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	8985	1.58	ng/ul	0.02
19) Nitrobenzene-d5	8.69	128	9383	4.14	ng/ul	0.01
22) 2-Nitrophenol-d4	9.40	143	8569	3.66	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.98	165	4915	1.01	ng/ul	0.04
29) 4-Chloroaniline-d4	10.49	131	10802	2.26	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	62658	4.45	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	79034	4.56	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	1027	0.53	ng/ul	0.05
57) Fluorene-d10	15.18	176	51052	4.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	702	0.31	ng/ul	0.01
70) Anthracene-d10	17.04	188	76389	4.19	ng/ul	0.00
76) Pyrene-d10	19.35	212	81153	4.73	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	66041	4.18	ng/ul	0.00

Target Compounds

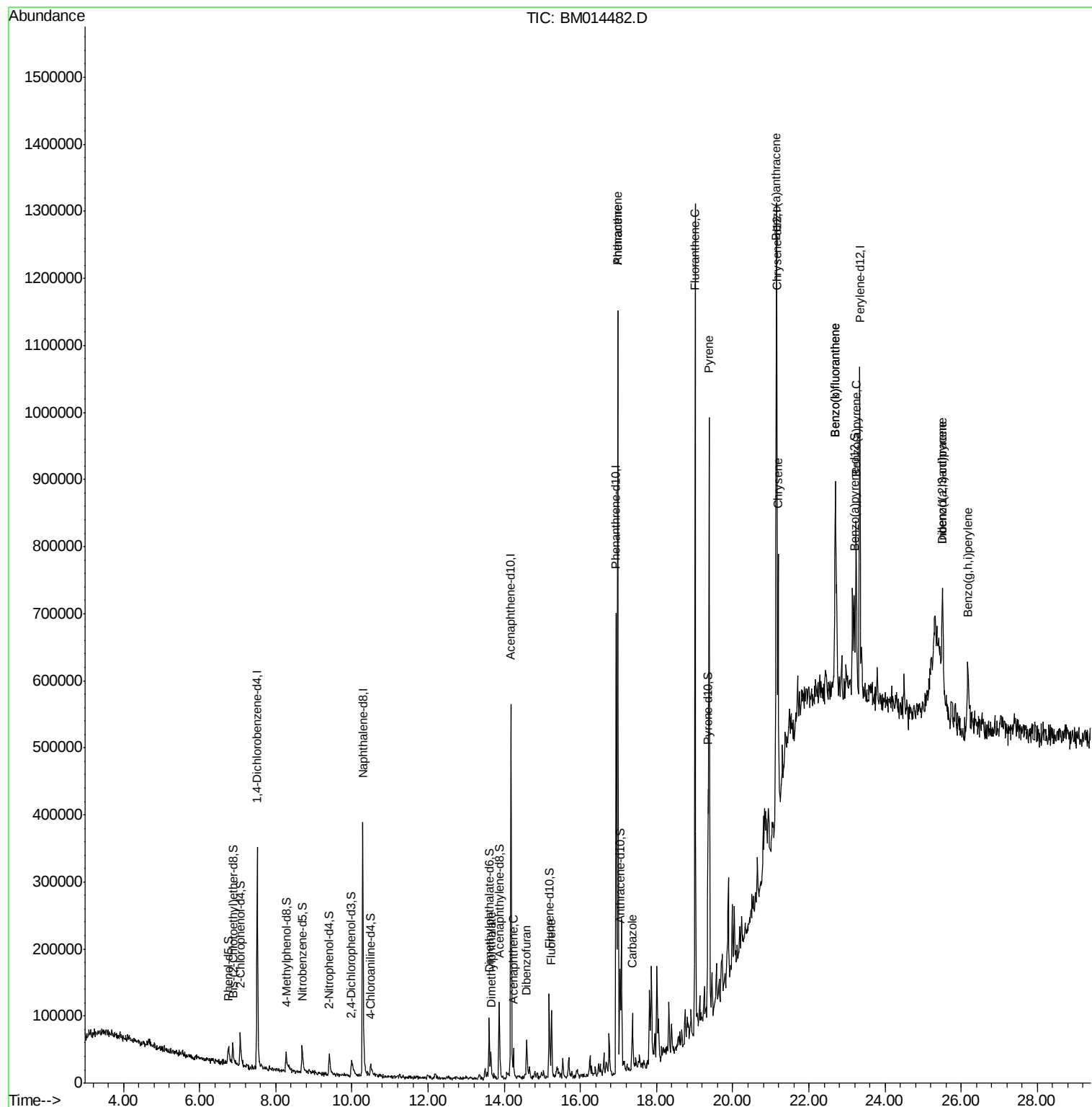
					Ovalue	
44) Dimethylphthalate	13.65	163	19306	1.392	ng/ul#	91
49) Acenaphthene	14.24	153	13233	1.146	ng/ul	95
53) Dibenzofuran	14.59	168	29651	1.713	ng/ul	97
58) Fluorene	15.24	166	41716	2.791	ng/ul	98
69) Phenanthrene	16.98	178	620499	28.467	ng/ul	97
71) Anthracene	16.98	178	620499	28.306	ng/ul	98
72) Carbazole	17.37	167	49453	2.683	ng/ul#	96
74) Fluoranthene	19.01	202	686104	26.346	ng/ul#	95
77) Pyrene	19.38	202	524158	23.698	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	242169	11.659	ng/ul	99
82) Chrysene	21.19	228	192819	9.951	ng/ul	94
85) Benzo(b)fluoranthene	22.69	252	257603	11.856	ng/ul#	93
86) Benzo(k)fluoranthene	22.69	252	257603	12.470	ng/ul#	91
88) Benzo(a)pyrene	23.24	252	170669	8.790	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.51	276	112917	5.993	ng/ul	96
90) Dibenzo(a,h)anthracene	25.51	278	21789	1.392	ng/ul#	83
91) Benzo(g,h,i)perylene	26.18	276	98695	6.466	ng/ul	97

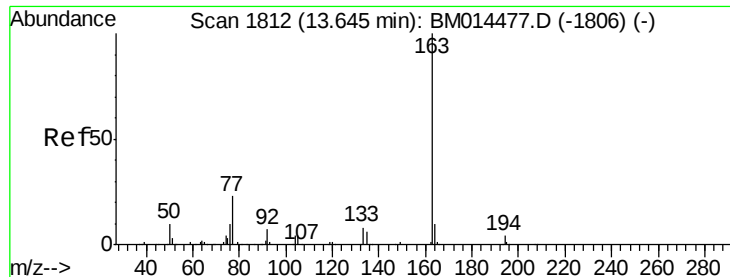
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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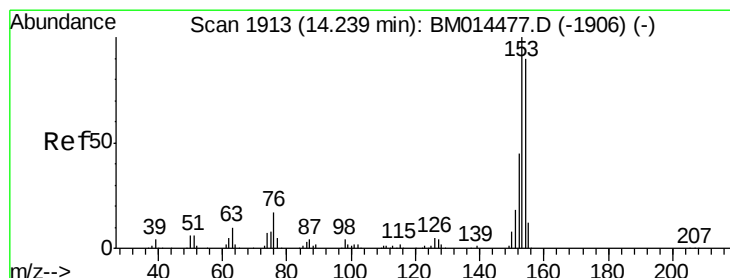
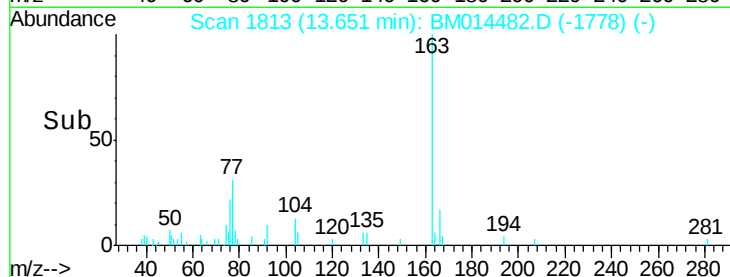
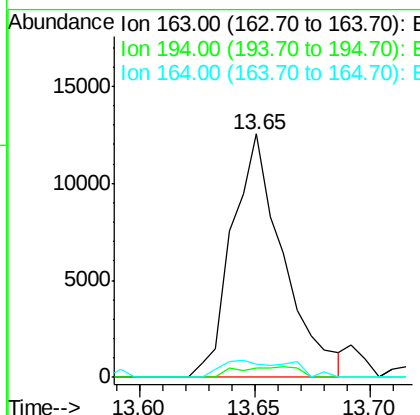
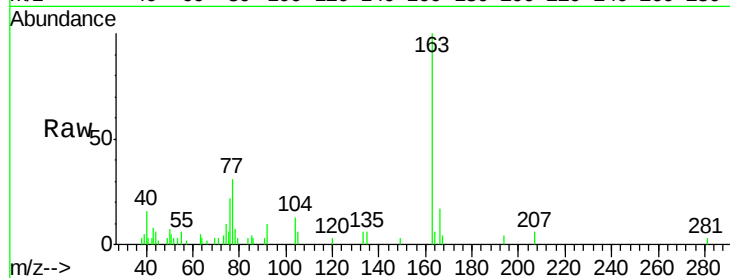




#44
Dimethylphthalate
Concen: 1.392 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014482.D
Acq: 05 Mar 2018 20:47

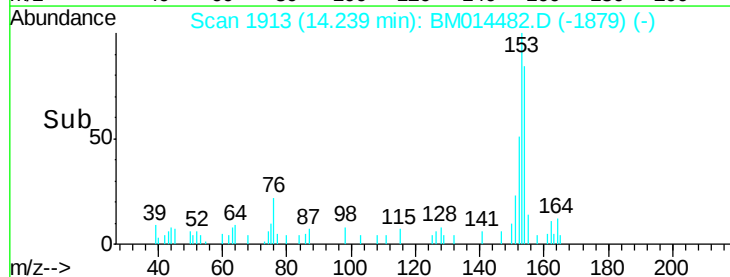
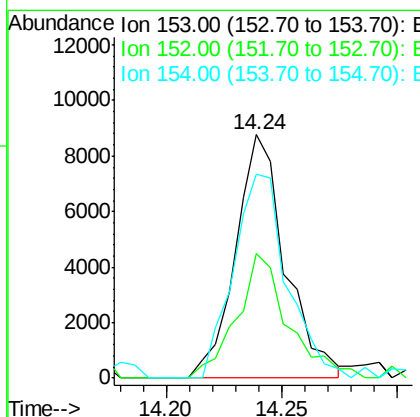
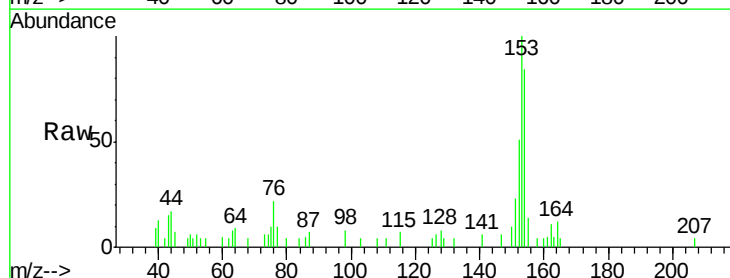
Instrument :
BNA_M
ClientSampleId :

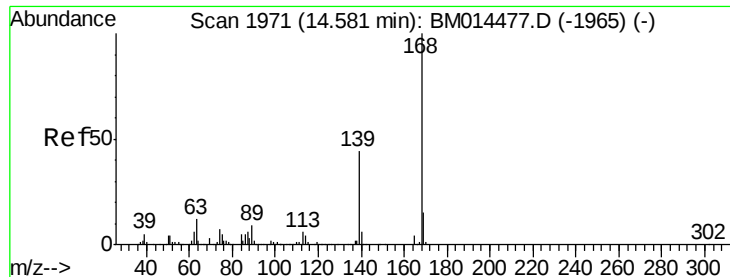
Tot Ion:163 Resp: 19306
Ion Ratio Lower Upper
163 100
194 4.1 3.5 5.3
164 5.6 8.2 12.4#



#49
Acenaphthene
Concen: 1.146 ng/ul
RT: 14.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: BM014482.D
Acq: 05 Mar 2018 20:47

Tgt Ion:153 Resp: 13233
Ion Ratio Lower Upper
153 100
152 51.2 37.6 56.4
154 83.9 70.4 105.6





#53

Dibenzenofuran

Concen: 1.713 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

Instrument :

BNA_M

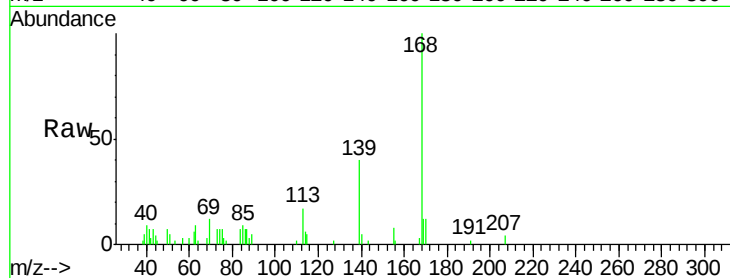
ClientSampleId :

Tot Ion:168 Resp: 29651

Ion Ratio Lower Upper

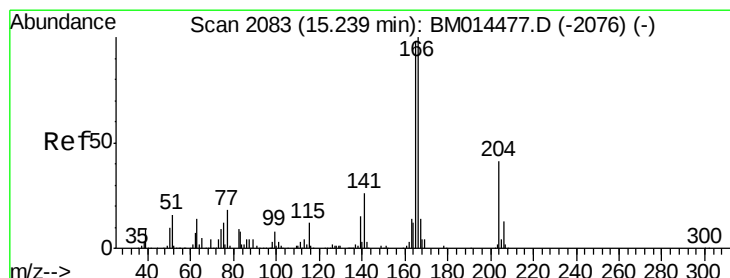
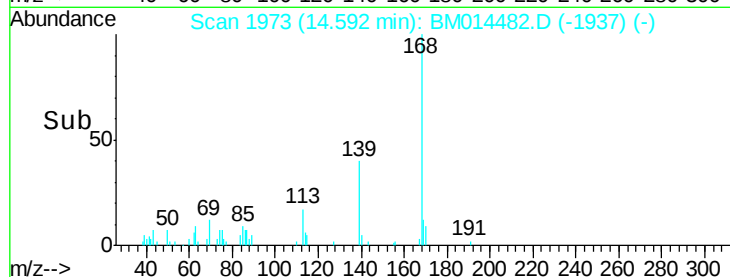
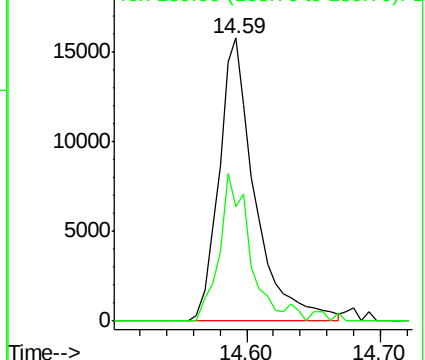
168 100

139 40.3 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: 2.791 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

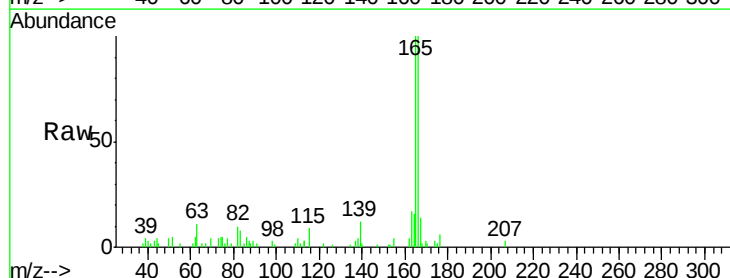
Tgt Ion:166 Resp: 41716

Ion Ratio Lower Upper

166 100

165 99.6 77.9 116.9

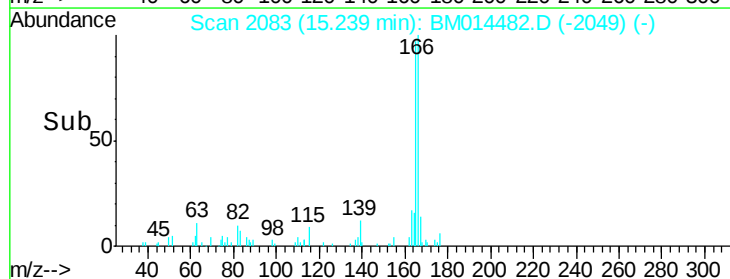
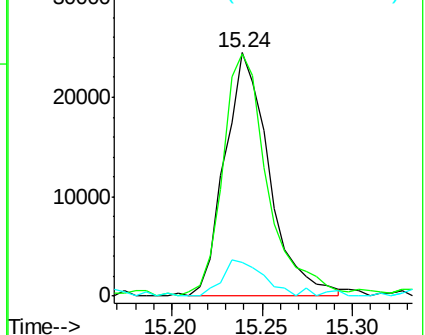
167 14.1 10.6 16.0

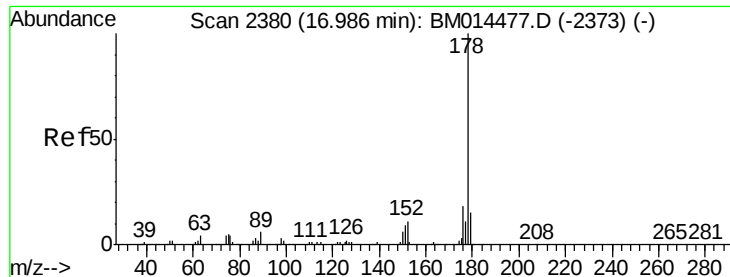


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 28.467 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.01 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

Instrument :

BNA_M

ClientSampleId :

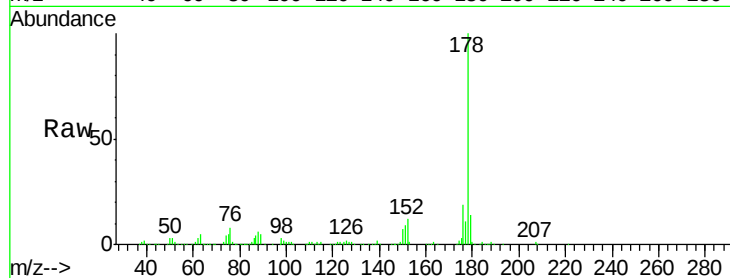
Tot Ion:178 Resp: 620499

Ion Ratio Lower Upper

178 100

179 14.1 12.6 19.0

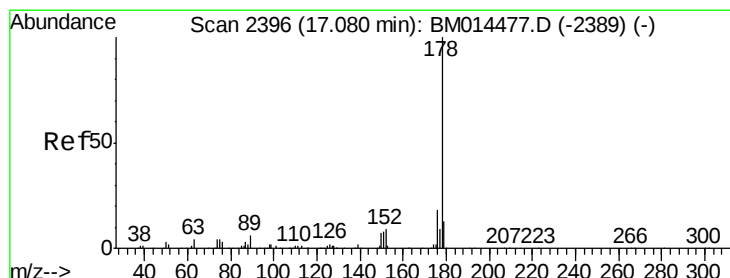
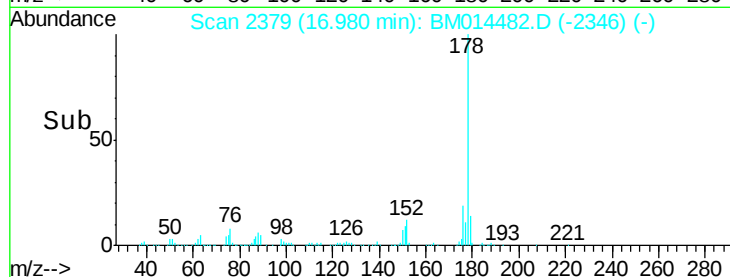
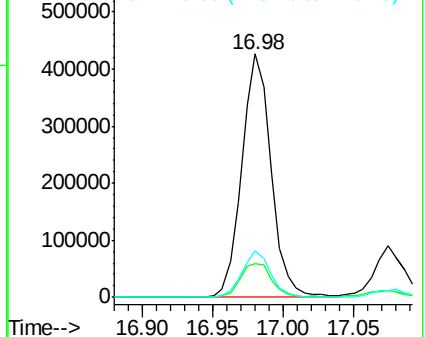
176 19.3 14.9 22.3



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: 28.306 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.10 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

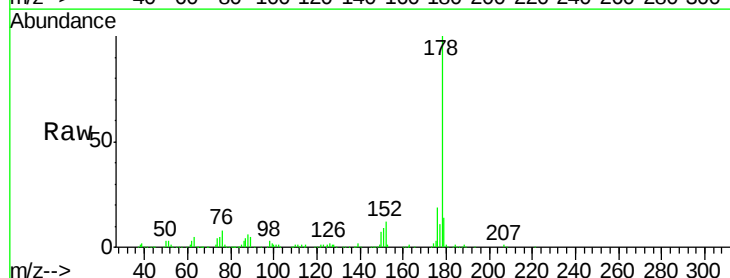
Tgt Ion:178 Resp: 620499

Ion Ratio Lower Upper

178 100

179 14.1 11.7 17.5

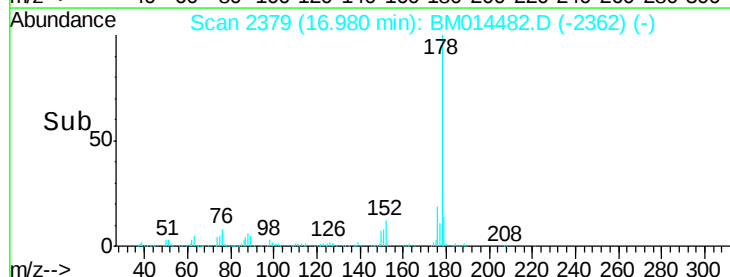
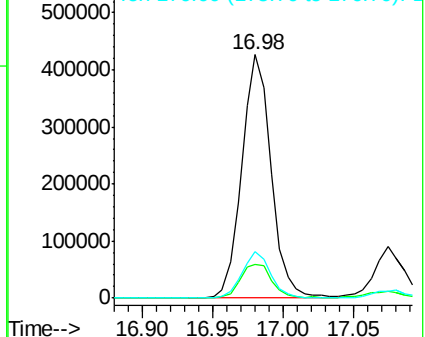
176 19.3 14.6 21.8

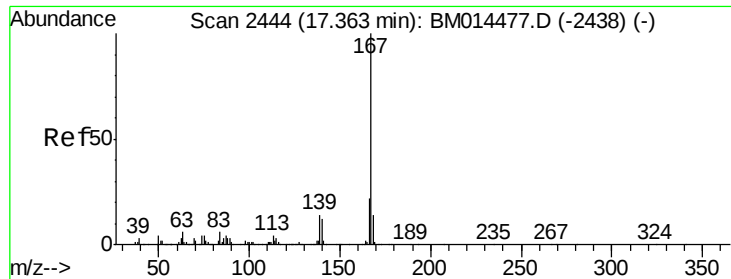


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.683 ng/ul

RT: 17.37 min Scan# 2445

Delta R.T. 0.01 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

Instrument :

BNA_M

ClientSampleId :

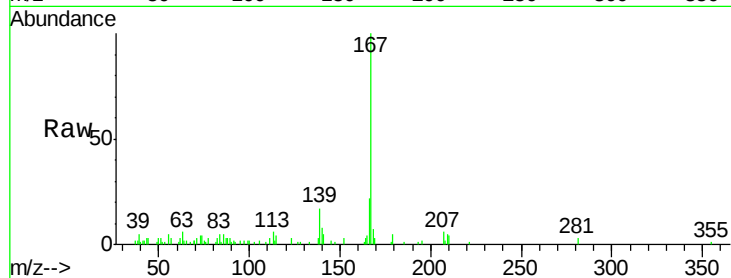
Tot Ion:167 Resp: 49453

Ion Ratio Lower Upper

167 100

166 21.6 17.1 25.7

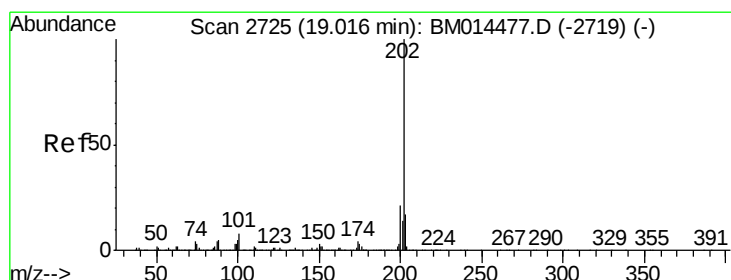
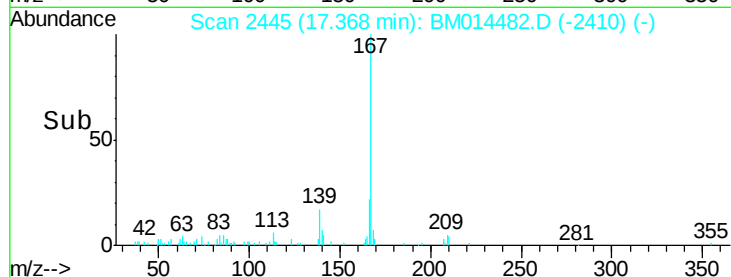
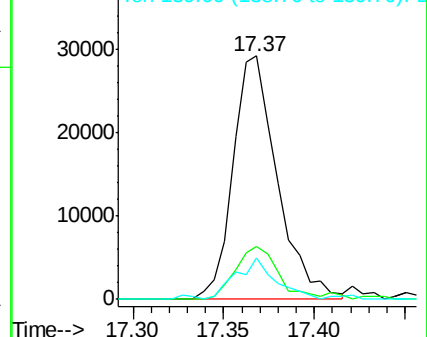
139 16.9 10.0 15.0#



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: 26.346 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. -0.01 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

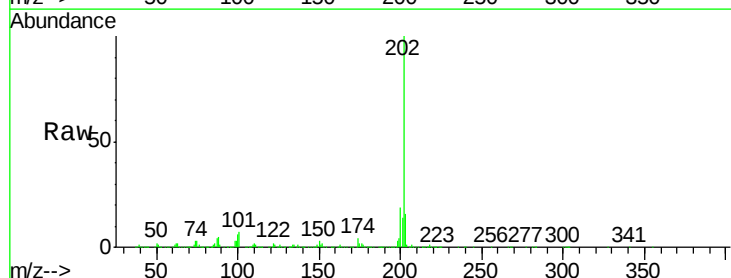
Tgt Ion:202 Resp: 686104

Ion Ratio Lower Upper

202 100

101 7.2 4.6 7.0#

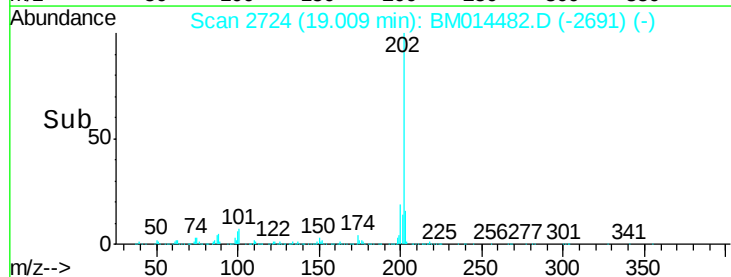
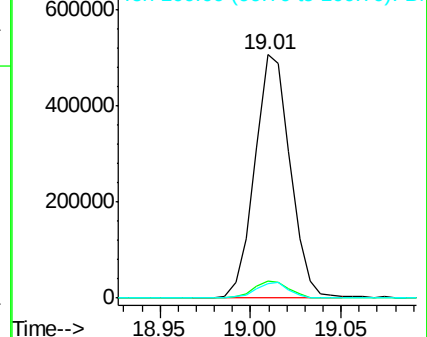
100 6.1 3.4 5.2#

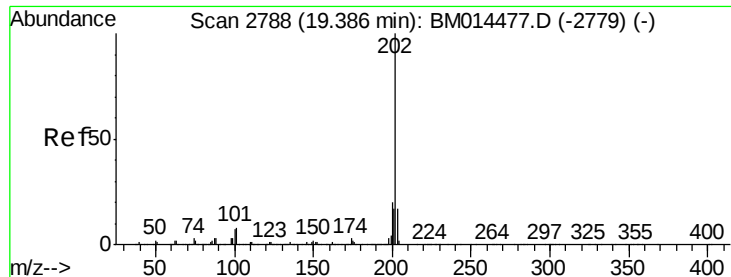


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 23.698 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. -0.01 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

Instrument :

BNA_M

ClientSampleId :

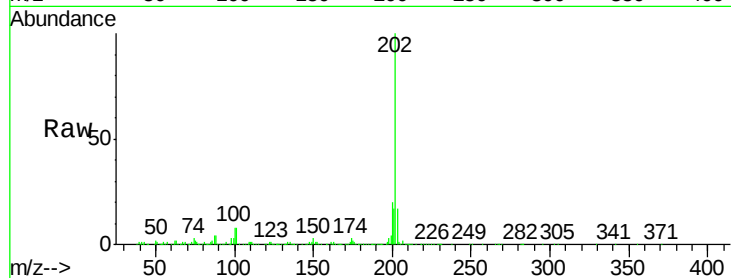
Tot Ion:202 Resp: 524158

Ion Ratio Lower Upper

202 100

101 8.1 5.1 7.7#

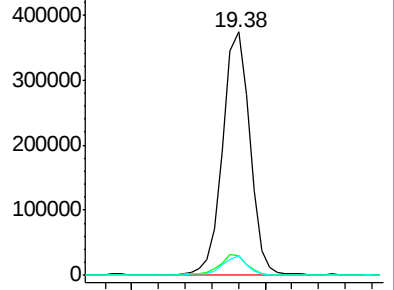
100 8.1 4.9 7.3#



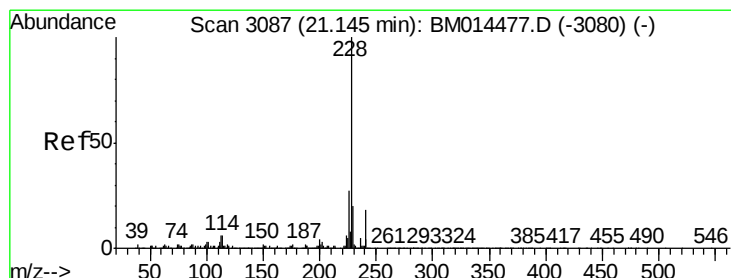
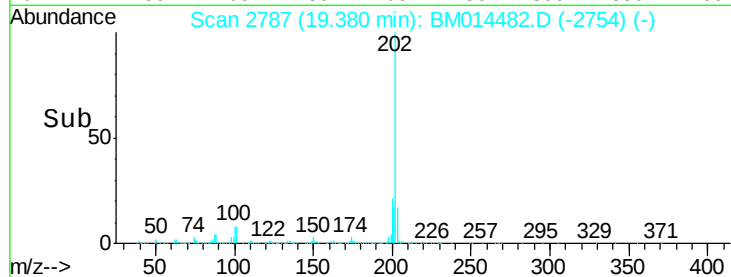
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#80

Benzo(a)anthracene

Concen: 11.659 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

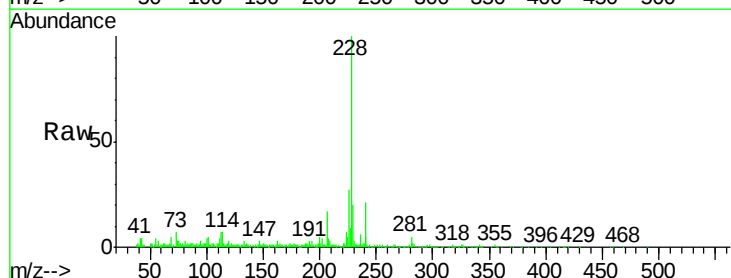
Tgt Ion:228 Resp: 242169

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

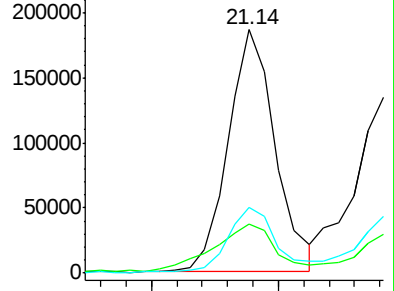
226 26.8 21.4 32.0



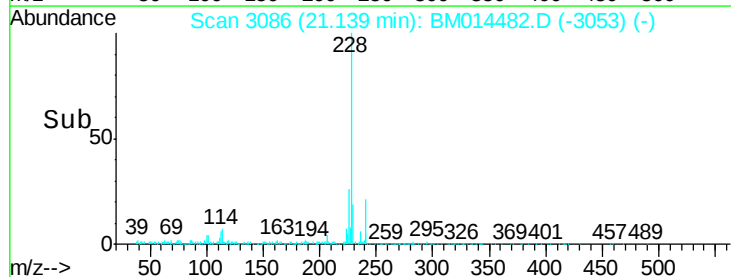
Abundance Ion 228.00 (227.70 to 228.70): E

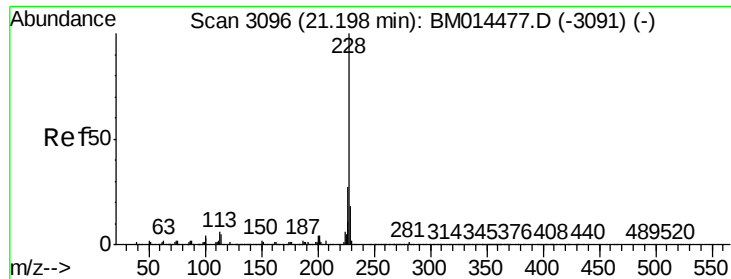
Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



Time-->





#82

Chrysene

Concen: 9.951 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

Instrument :

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ClientSampleId :

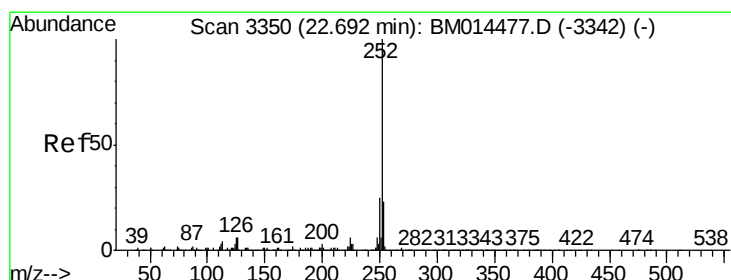
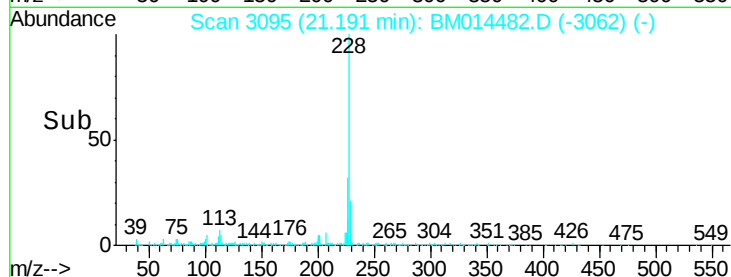
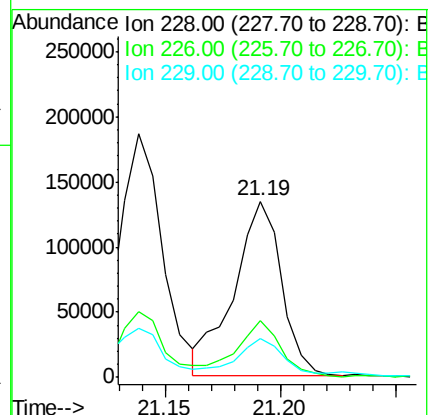
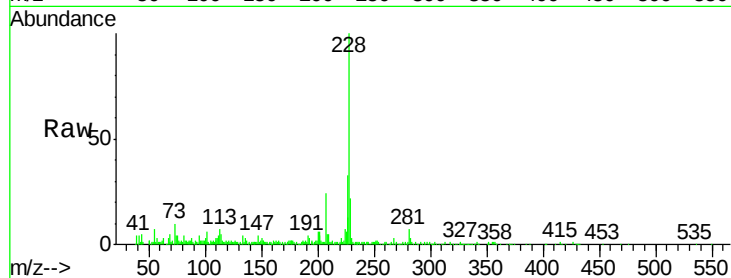
Tot Ion:228 Resp: 192819

Ion Ratio Lower Upper

228 100

226 32.6 23.4 35.2

229 21.7 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 11.856 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

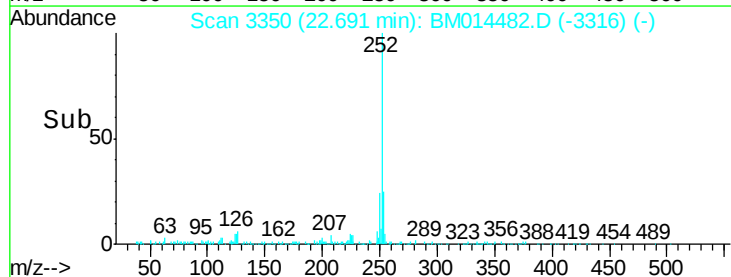
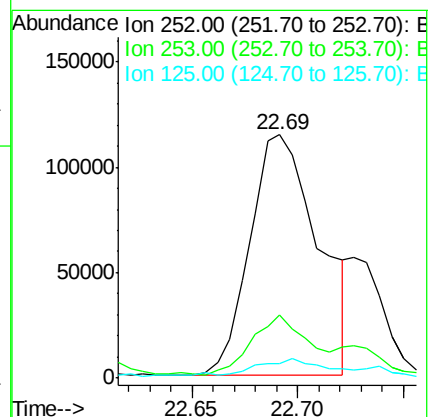
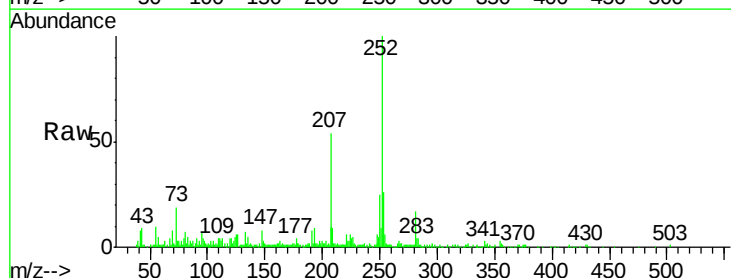
Tgt Ion:252 Resp: 257603

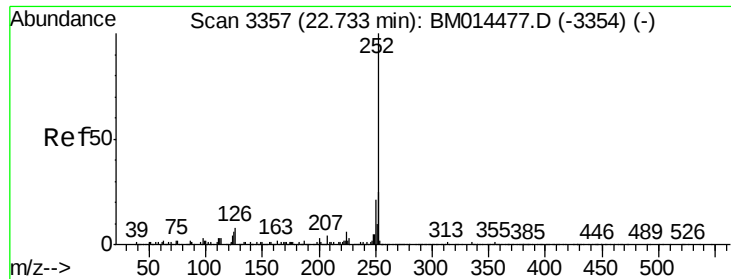
Ion Ratio Lower Upper

252 100

253 25.8 17.9 26.9

125 5.9 3.6 5.4#

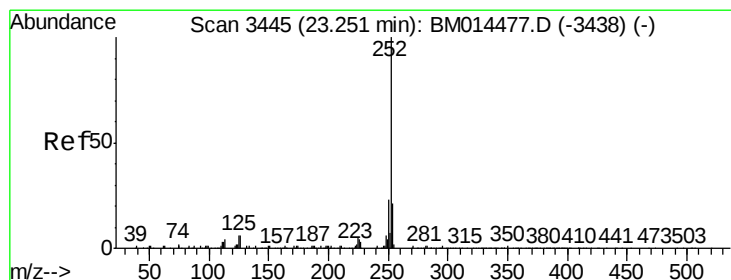
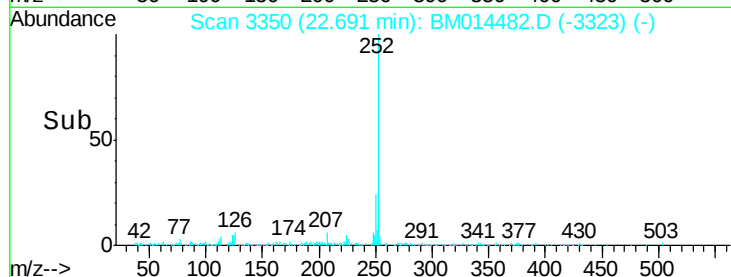
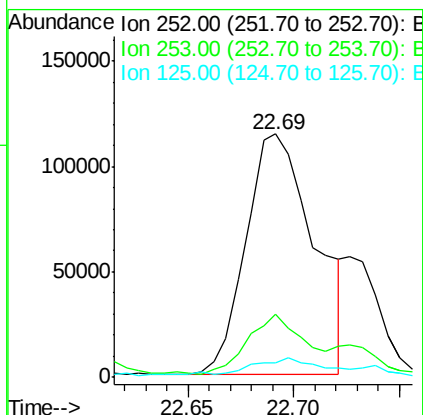
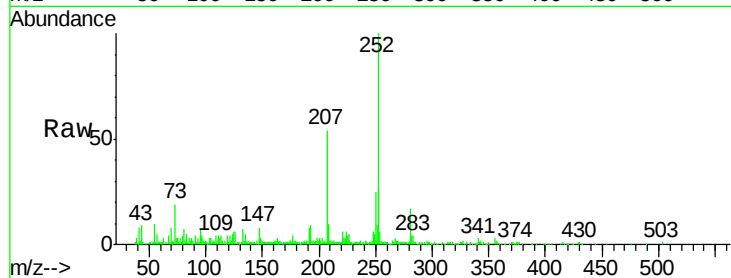




#86
Benzo(k)fluoranthene
Concen: 12.470 ng/u1
RT: 22.69 min Scan# 3350
Delta R.T. -0.04 min
Lab File: BM014482.D
Acq: 05 Mar 2018 20:47

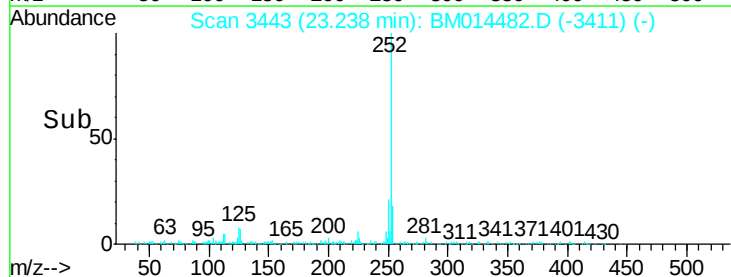
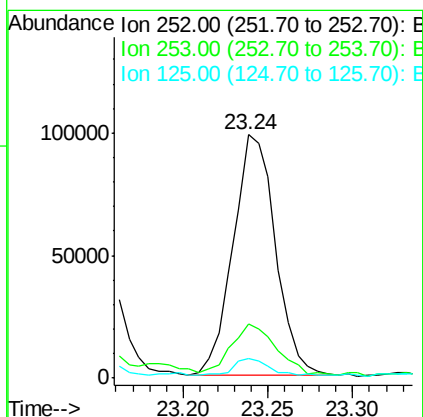
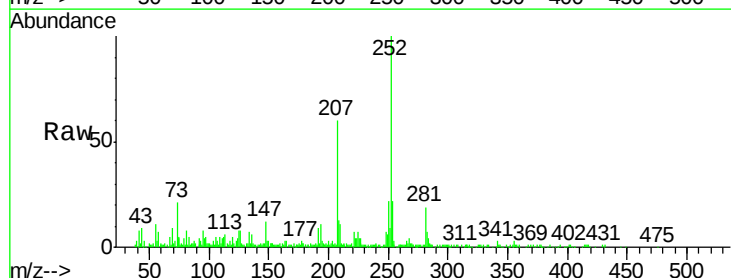
Instrument :
BNA_M
ClientSampleId :

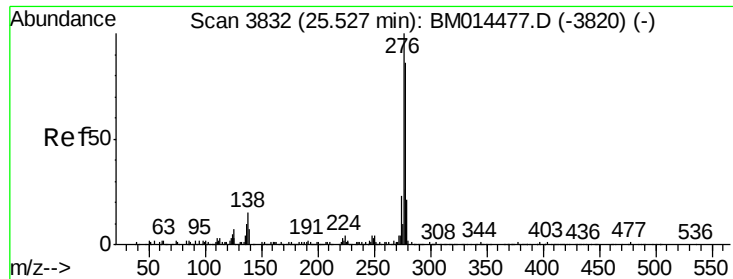
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.1	25.7#
125	5.9	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 8.790 ng/u1
RT: 23.24 min Scan# 3443
Delta R.T. -0.01 min
Lab File: BM014482.D
Acq: 05 Mar 2018 20:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	7.8	4.0	6.0#



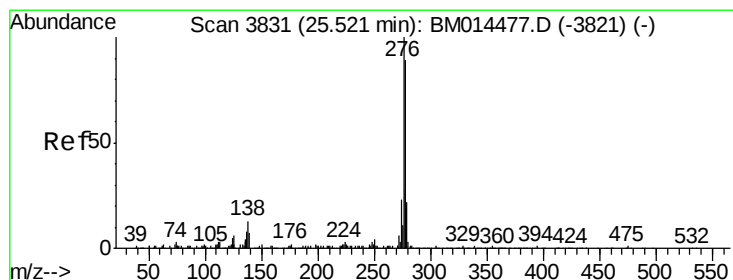
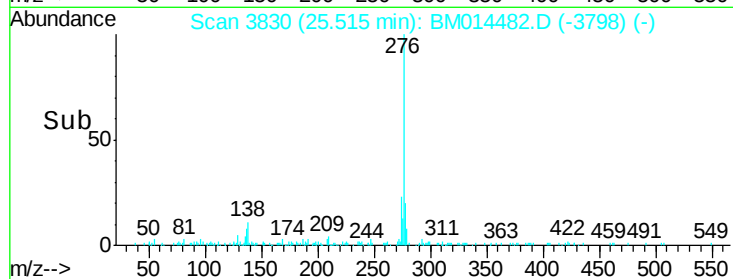
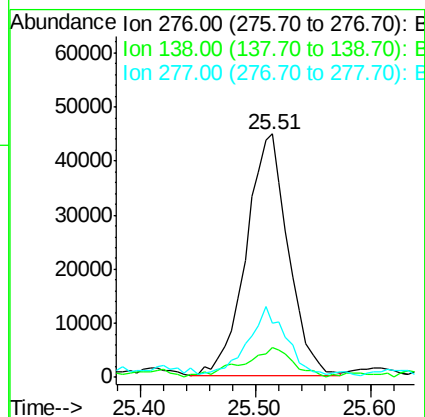
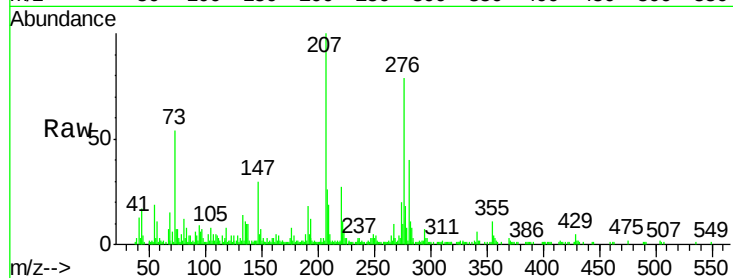


#89

Indeno(1,2,3-cd)pyrene
Concen: 5.993 ng/ul
RT: 25.51 min Scan# 3830
Delta R.T. -0.01 min
Lab File: BM014482.D
Acq: 05 Mar 2018 20:47

Instrument :
BNA_M
ClientSampleId :

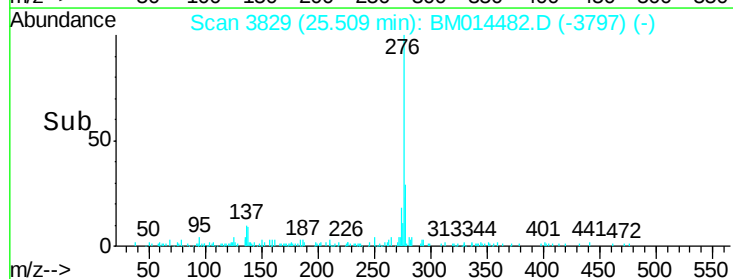
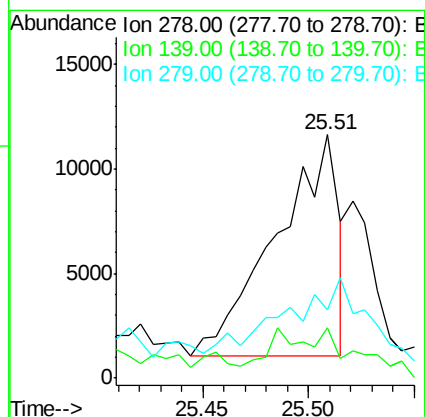
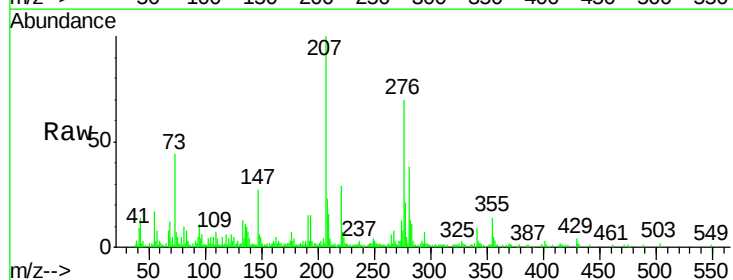
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.2	9.3	13.9
277	22.4	19.9	29.9

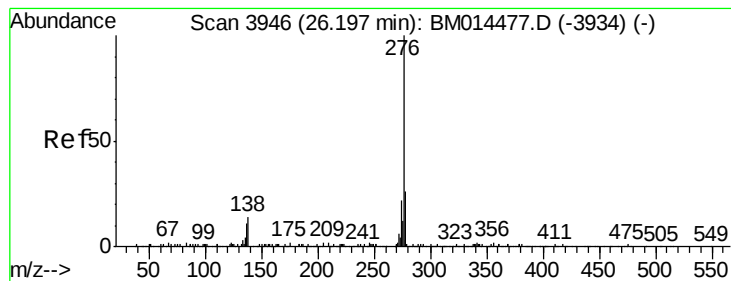


#90

Dibenzo(a,h)anthracene
Concen: 1.392 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. -0.01 min
Lab File: BM014482.D
Acq: 05 Mar 2018 20:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.5	5.8	8.8#
279	28.1	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.466 ng/ul

RT: 26.18 min Scan# 3943

Delta R.T. -0.02 min

Lab File: BM014482.D

Acq: 05 Mar 2018 20:47

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 98695

Ion Ratio Lower Upper

276 100

138 10.2 8.5 12.7

277 25.5 18.6 28.0

