

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014461.D
 Acq On : 02 Mar 2018 14:43
 Operator : SJ/JU
 Sample : J1679-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 02 22:35:02 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 02 22:33:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	99335	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	432635	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.18	164	263964	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.95	188	570086	20.00	ng/ul	0.01
75) Chrysene-d12	21.17	240	558021	20.00	ng/ul	0.02
83) Perylene-d12	23.36	264	467046	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	7687	3.31	ng/uL	0.00
5) Phenol-d5	6.74	99	152125	18.12	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	95009	18.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	130881	20.33	ng/ul	0.01
13) 4-Methylphenol-d8	8.26	113	121789	16.58	ng/ul	0.01
19) Nitrobenzene-d5	8.68	128	70063	21.91	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	73686	22.27	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.95	165	129218	18.85	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	147776	21.88	ng/ul	0.01
43) Dimethylphthalate-d6	13.60	166	447830	20.54	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	574125	21.36	ng/ul	0.01
51) 4-Nitrophenol-d4	14.50	143	41011	13.63	ng/ul	0.04
57) Fluorene-d10	15.19	176	385560	19.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	1012	0.30	ng/ul	0.02
70) Anthracene-d10	17.05	188	569964	20.72	ng/ul	0.01
76) Pyrene-d10	19.36	212	630057	21.89	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.23	264	466428	20.52	ng/ul	0.03

Target Compounds

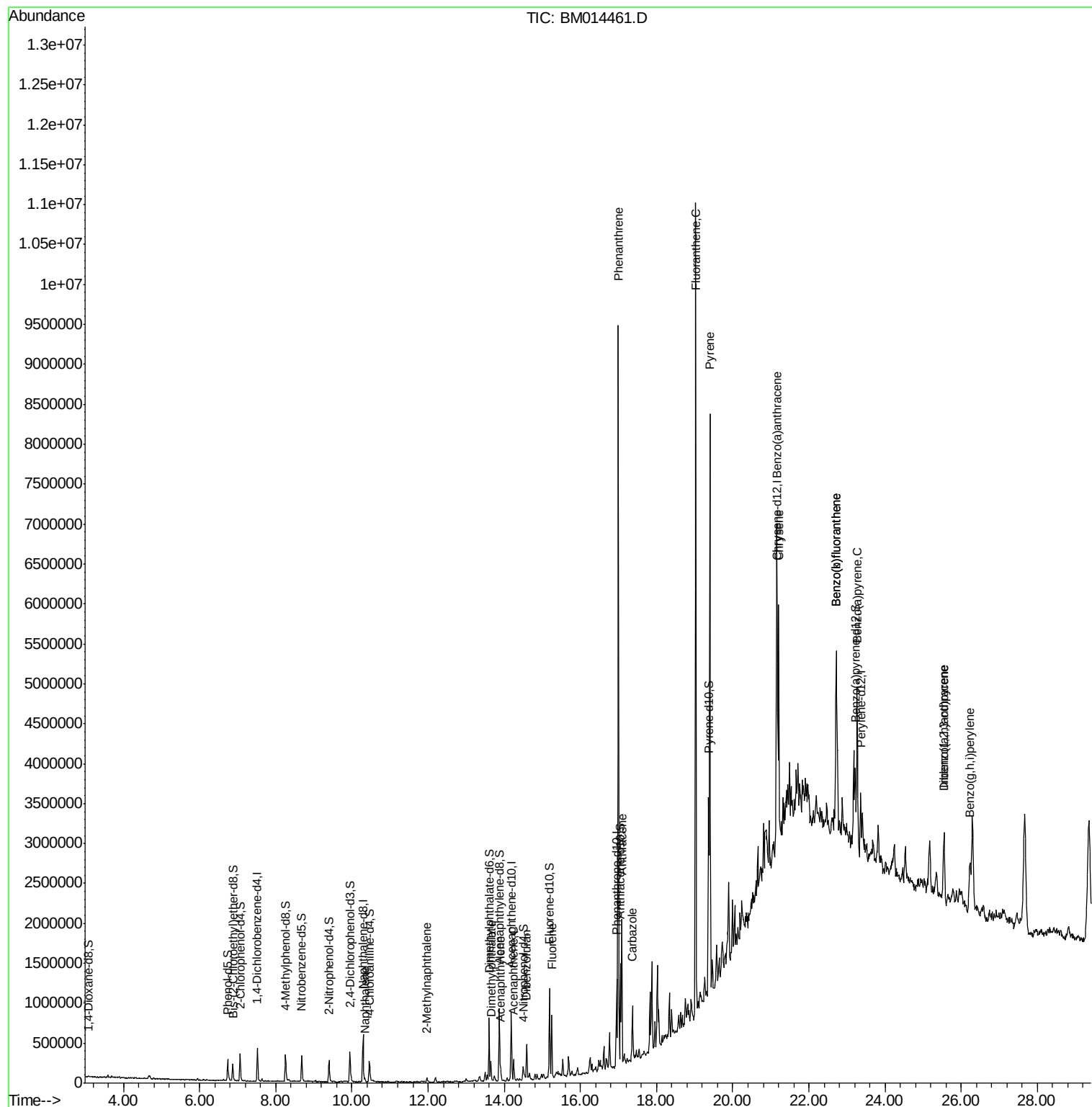
					Ovalue	
28) Naphthalene	10.35	128	33233	1.496	ng/ul	97
34) 2-Methylnaphthalene	11.97	142	21937	1.297	ng/ul	97
44) Dimethylphthalate	13.65	163	135293	6.294	ng/ul	99
47) Acenaphthylene	13.90	152	87518	3.445	ng/ul#	88
49) Acenaphthene	14.24	153	99321	5.552	ng/ul	97
53) Dibenzofuran	14.59	168	208602	7.776	ng/ul	89
58) Fluorene	15.24	166	310696	13.416	ng/ul	97
69) Phenanthrene	17.00	178	4735062	144.159	ng/ul	99
71) Anthracene	17.09	178	994262	30.099	ng/ul	98
72) Carbazole	17.37	167	384548	13.845	ng/ul	98
74) Fluoranthene	19.03	202	5486210	139.804	ng/ul#	94
77) Pyrene	19.40	202	4024436	108.521	ng/ul#	93
80) Benzo(a)anthracene	21.16	228	1811305	52.010	ng/ul	98
82) Chrysene	21.21	228	1455603	44.804	ng/ul	96
85) Benzo(b)fluoranthene	22.71	252	1731442	55.366	ng/ul#	98
86) Benzo(k)fluoranthene	22.71	252	1731442	58.234	ng/ul#	97
88) Benzo(a)pyrene	23.27	252	1172884	41.971	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.55	276	721204	26.596	ng/ul	98
90) Dibenzo(a,h)anthracene	25.54	278	109720	4.869	ng/ul#	75
91) Benzo(g,h,i)perylene	26.23	276	613287	27.918	ng/ul#	96

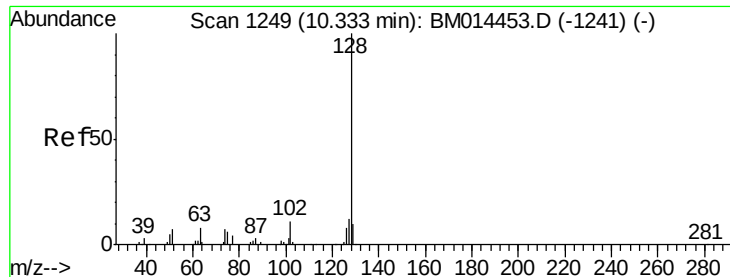
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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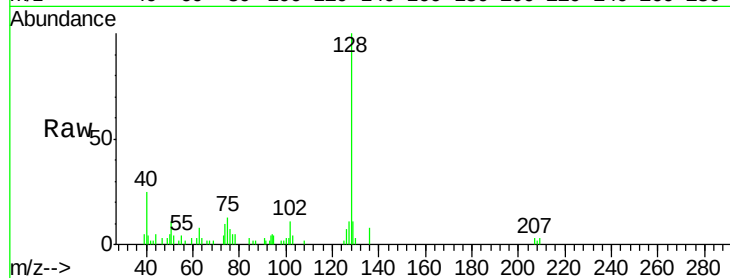




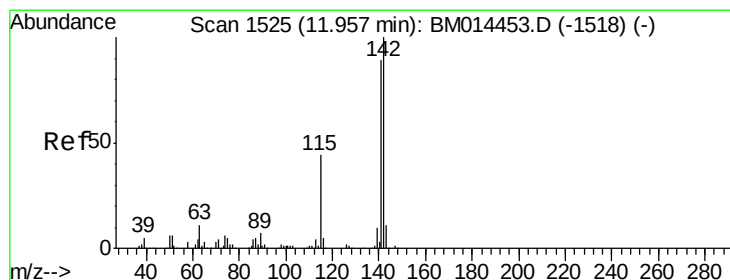
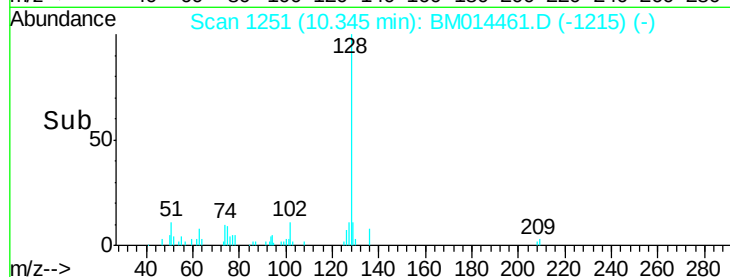
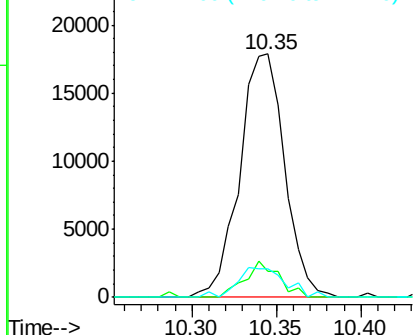
#28
Naphthalene
Concen: 1.496 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BM014461.D
Acq: 02 Mar 2018 14:43

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 33233
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 11.5 10.6 16.0

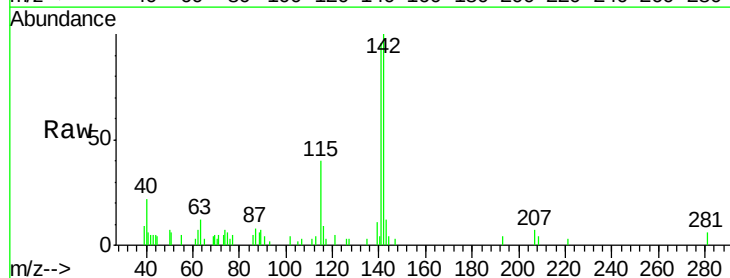


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

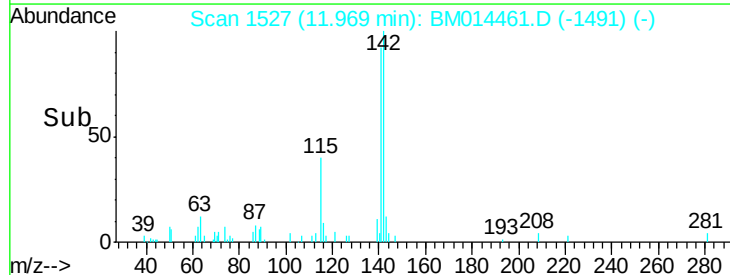
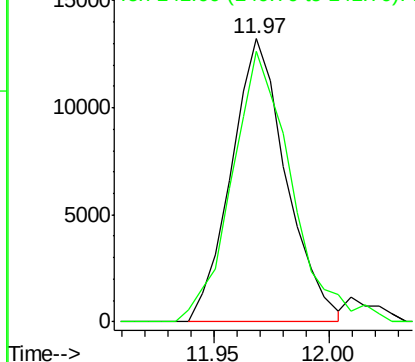


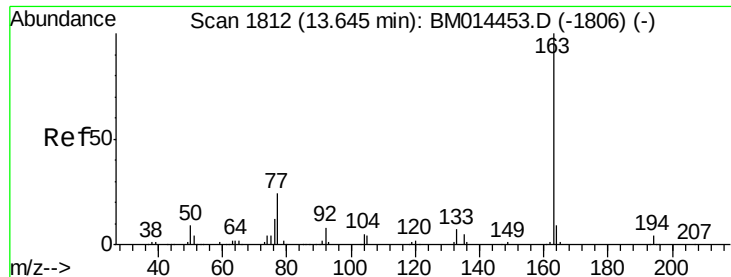
#34
2-Methylnaphthalene
Concen: 1.297 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. 0.01 min
Lab File: BM014461.D
Acq: 02 Mar 2018 14:43

Tgt Ion:142 Resp: 21937
Ion Ratio Lower Upper
142 100
141 95.5 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: 6.294 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Instrument :

BNA_M

ClientSampleId :

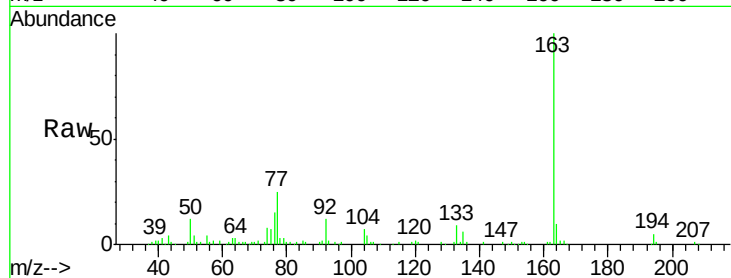
Tot Ion:163 Resp: 135293

Ion Ratio Lower Upper

163 100

194 4.9 3.5 5.3

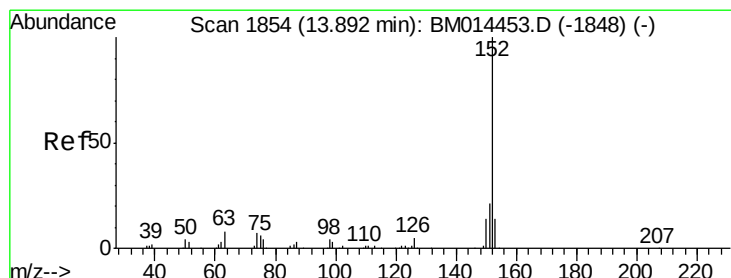
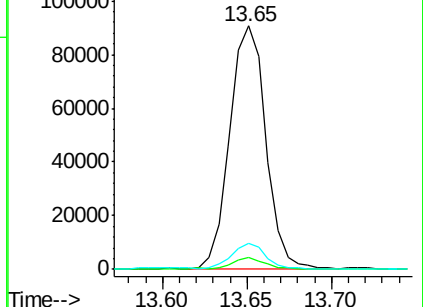
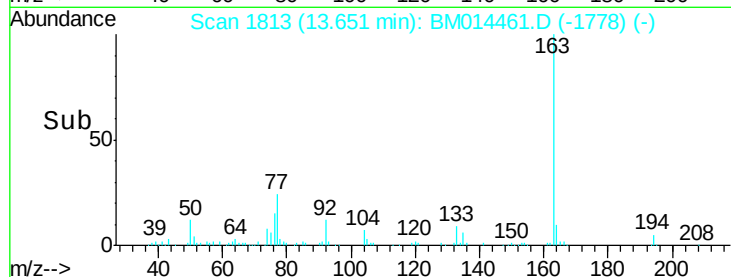
164 10.5 8.2 12.4



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: 3.445 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

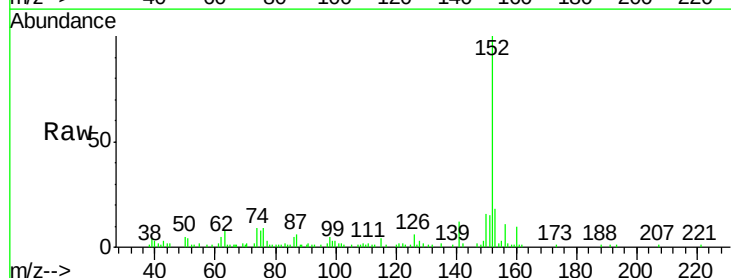
Tgt Ion:152 Resp: 87518

Ion Ratio Lower Upper

152 100

151 15.4 16.3 24.5#

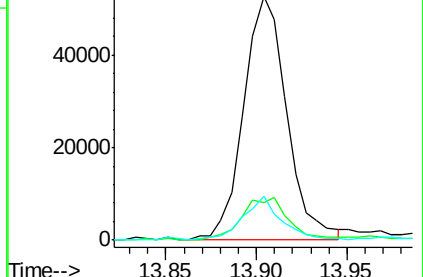
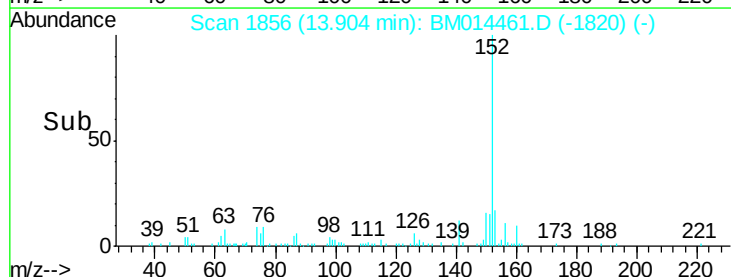
153 18.2 10.2 15.4#

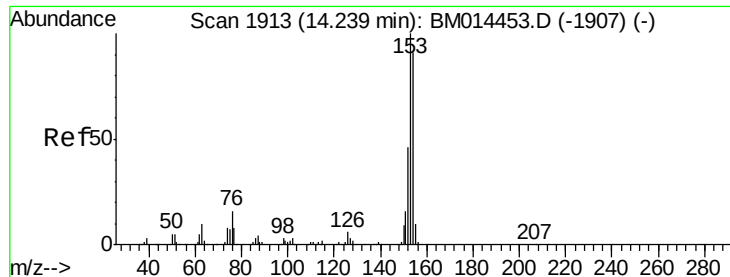


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 5.552 ng/ul

RT: 14.24 min Scan# 1914

Delta R.T. 0.01 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Instrument :

BNA_M

ClientSampleId :

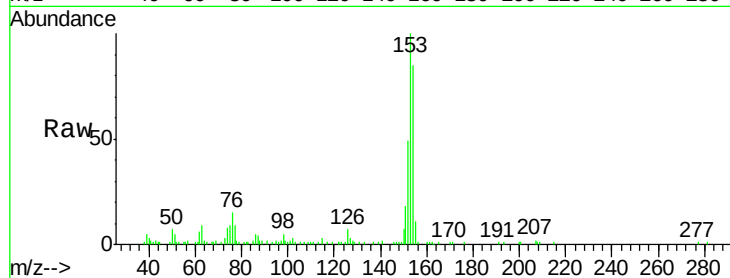
Tot Ion:153 Resp: 99321

Ion Ratio Lower Upper

153 100

152 48.6 37.6 56.4

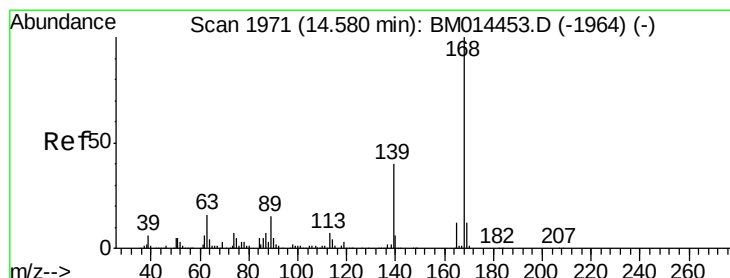
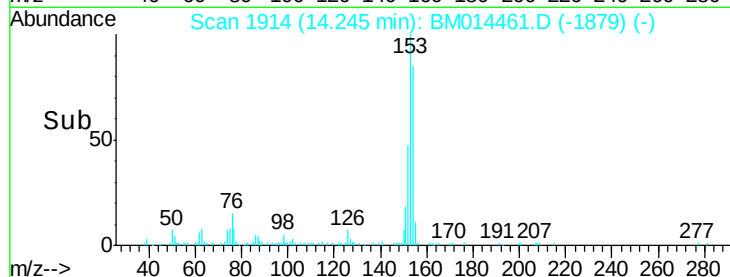
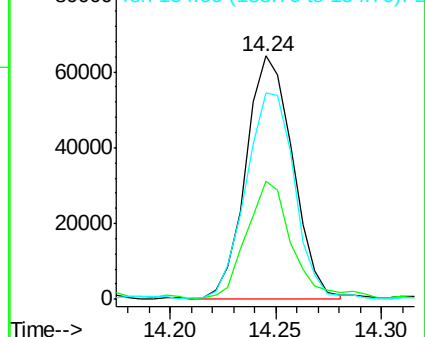
154 84.6 70.4 105.6



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



#53

Dibenzofuran

Concen: 7.776 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BM014461.D

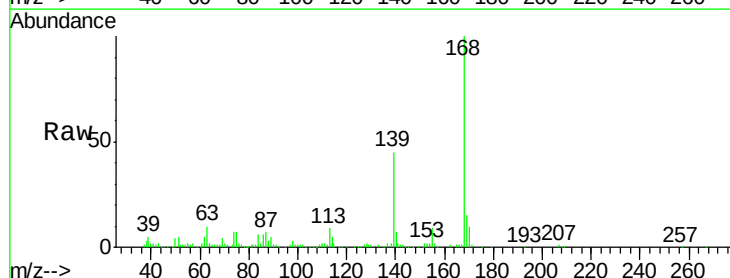
Acq: 02 Mar 2018 14:43

Tgt Ion:168 Resp: 208602

Ion Ratio Lower Upper

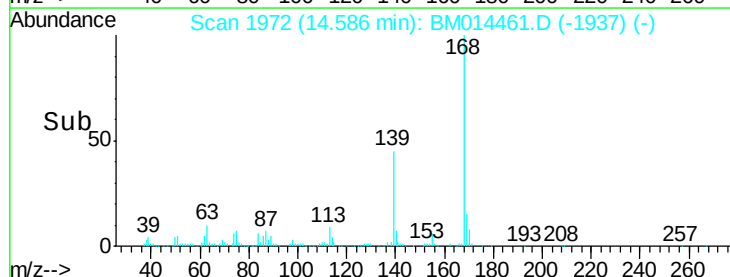
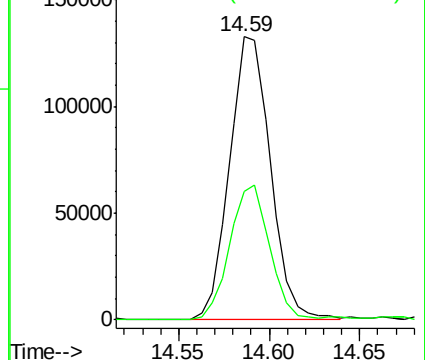
168 100

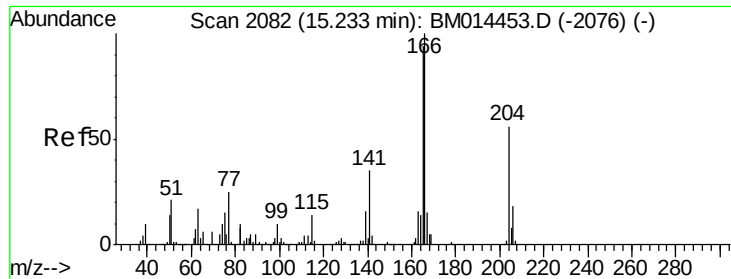
139 45.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 13.416 ng/ul

RT: 15.24 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Instrument :

BNA_M

ClientSampleId :

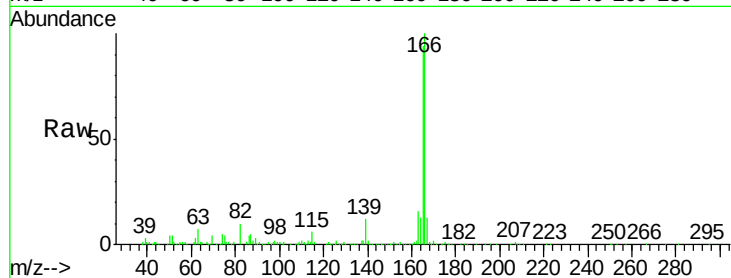
Tot Ion:166 Resp: 310696

Ion Ratio Lower Upper

166 100

165 94.1 77.9 116.9

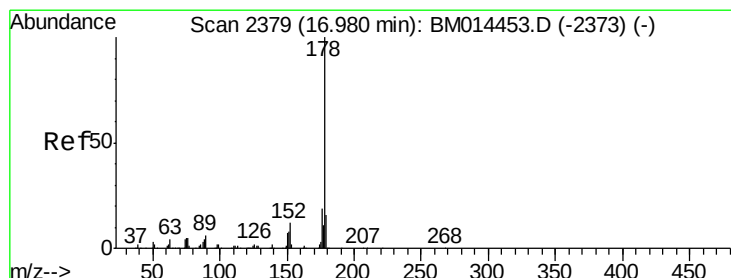
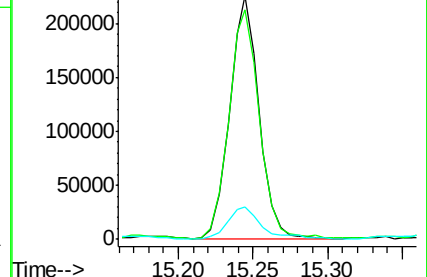
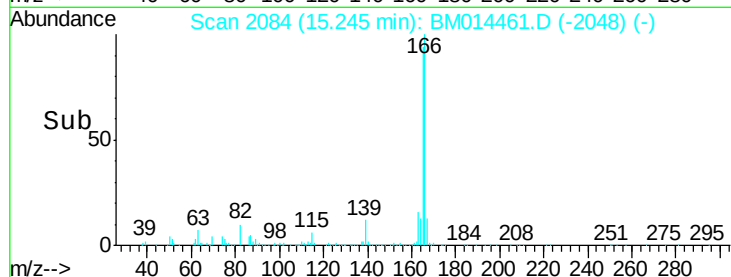
167 13.2 10.6 16.0



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: 144.159 ng/ul

RT: 17.00 min Scan# 2382

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

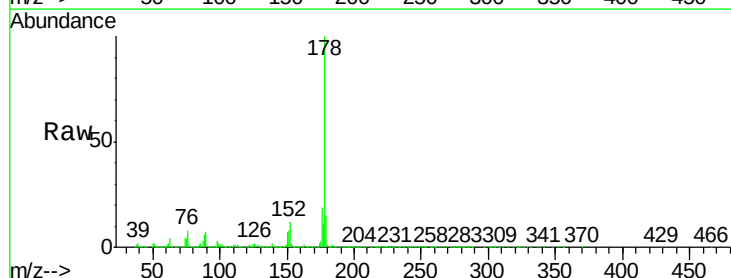
Tgt Ion:178 Resp: 4735062

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

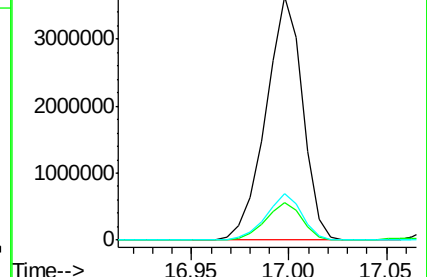
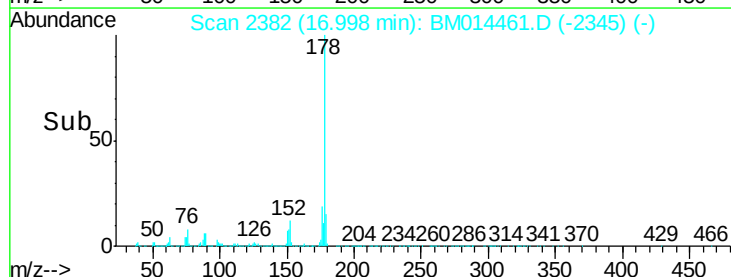
176 19.4 14.9 22.3

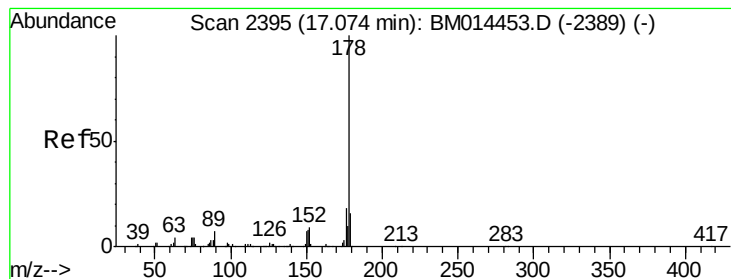


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 30.099 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

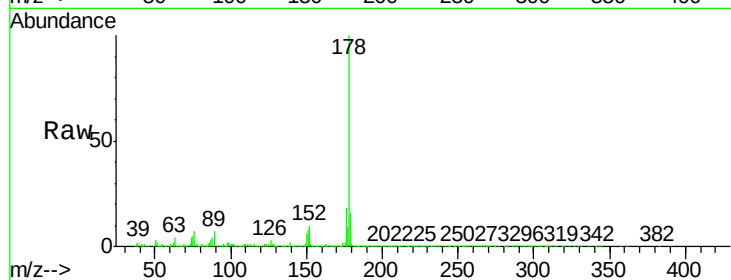
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 994262

Ion	Ratio	Lower	Upper
178	100		
179	16.4	11.7	17.5
176	18.2	14.6	21.8

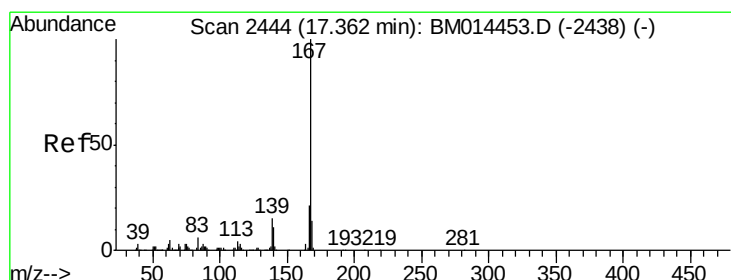
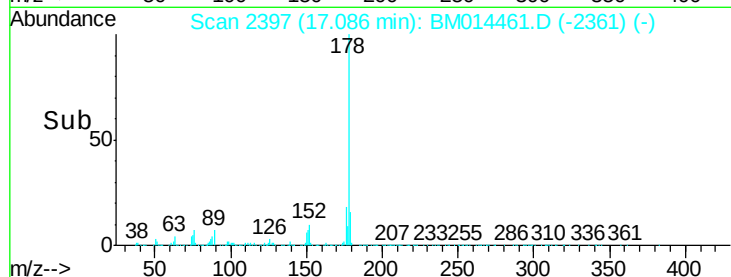
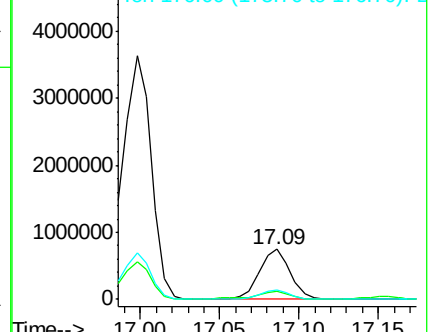


Abundance

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: 13.845 ng/ul

RT: 17.37 min Scan# 2445

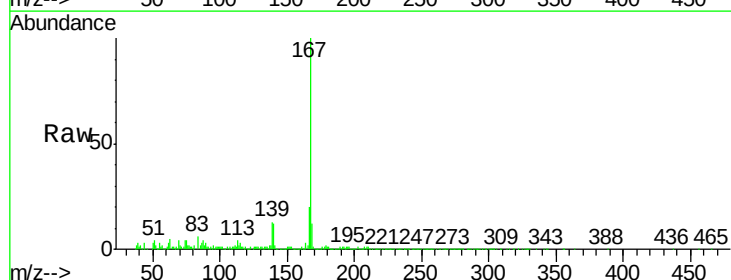
Delta R.T. 0.01 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Tgt Ion:167 Resp: 384548

Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.1	25.7
139	13.3	10.0	15.0

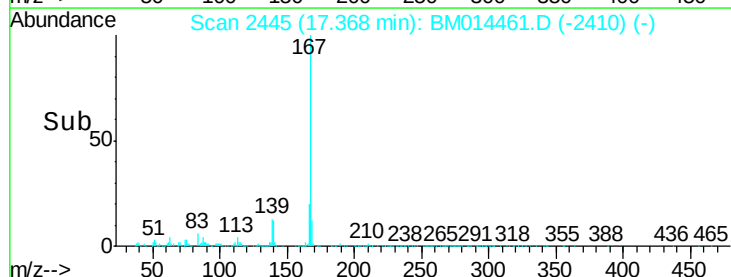
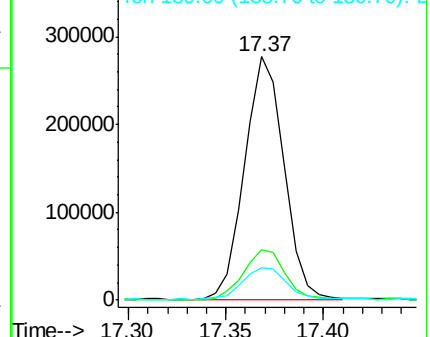


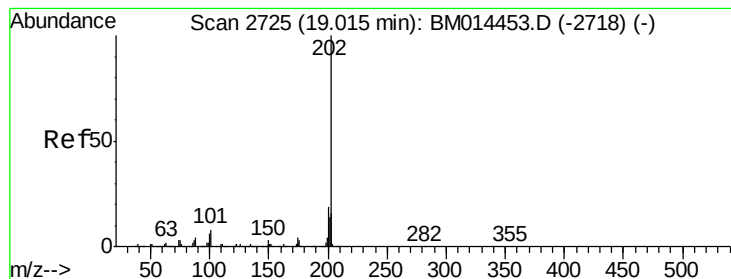
Abundance

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: 139.804 ng/ul

RT: 19.03 min Scan# 2728

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

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BNA_M

ClientSampleId :

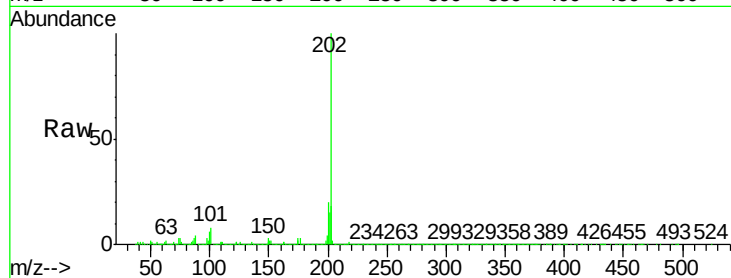
Tot Ion:202 Resp: 5486210

Ion Ratio Lower Upper

202 100

101 7.9 4.6 7.0#

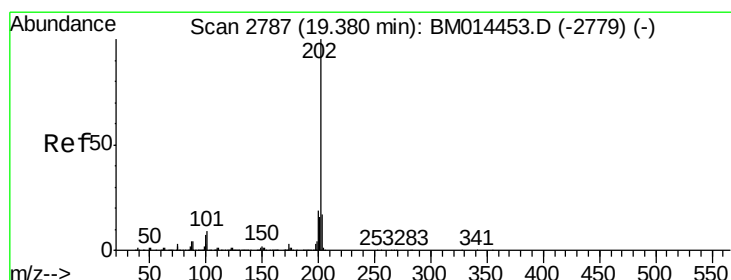
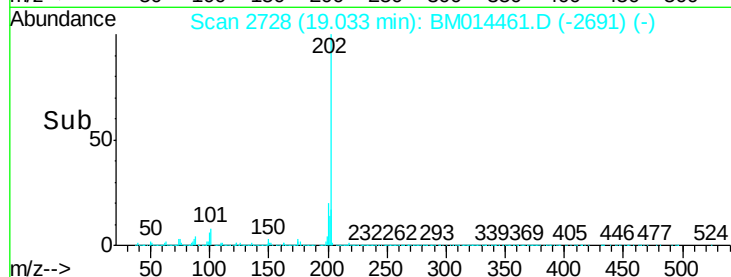
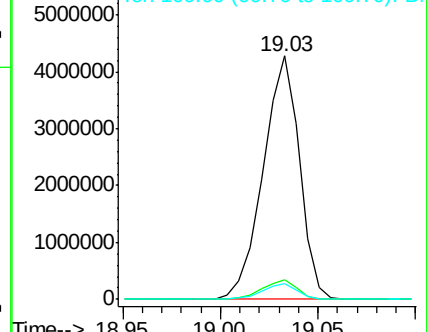
100 6.4 3.4 5.2#



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: 108.521 ng/ul

RT: 19.40 min Scan# 2790

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

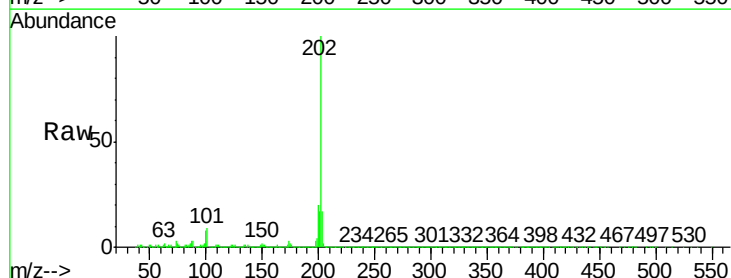
Tgt Ion:202 Resp: 4024436

Ion Ratio Lower Upper

202 100

101 9.2 5.1 7.7#

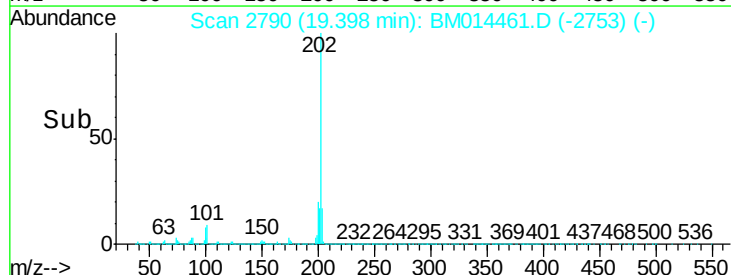
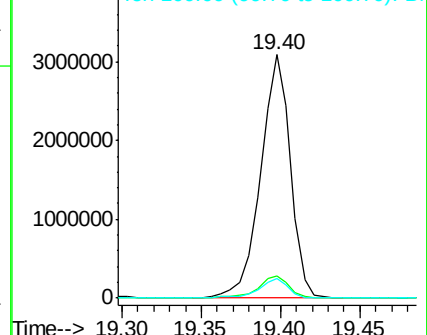
100 7.9 4.9 7.3#

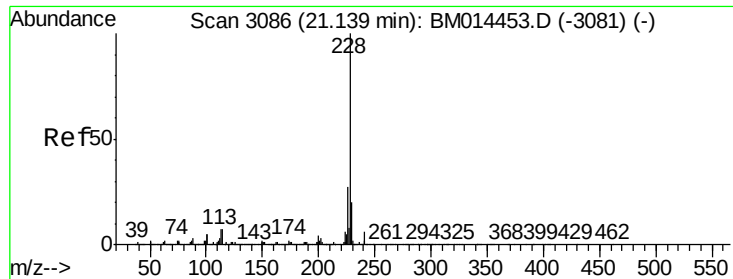


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 52.010 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Instrument :

BNA_M

ClientSampleId :

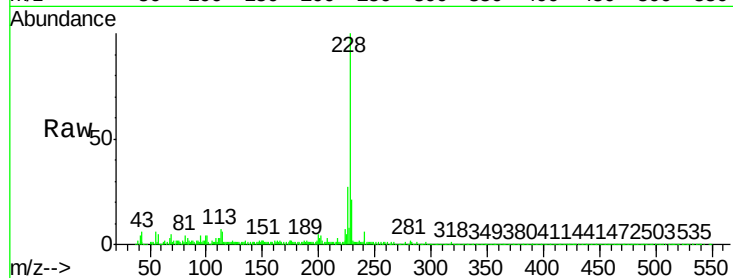
Tot Ion:228 Resp: 1811305

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	27.1	21.4	32.0

228 100

229 21.0 15.4 23.0

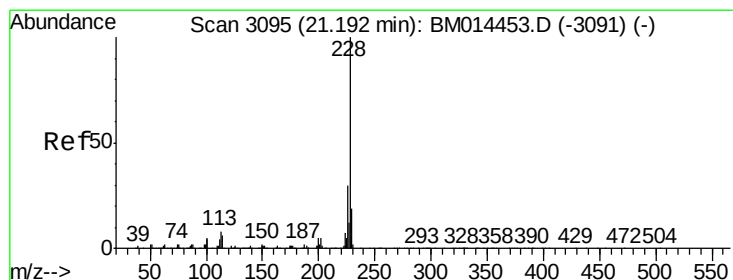
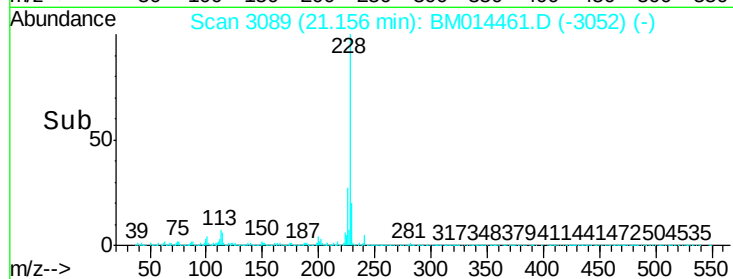
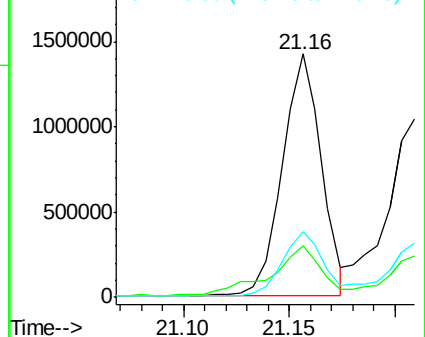
226 27.1 21.4 32.0



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: 44.804 ng/ul

RT: 21.21 min Scan# 3098

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

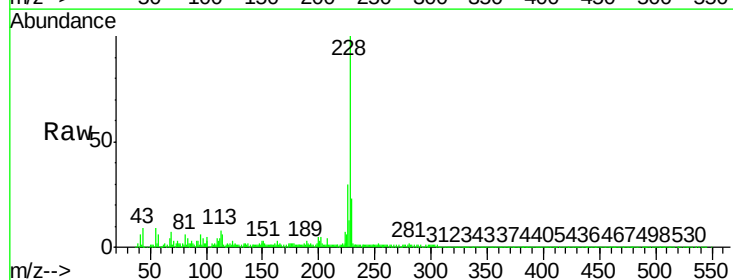
Tgt Ion:228 Resp: 1455603

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	23.1	15.5	23.3

228 100

226 30.3 23.4 35.2

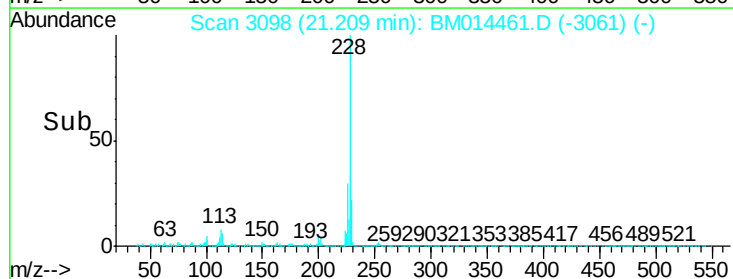
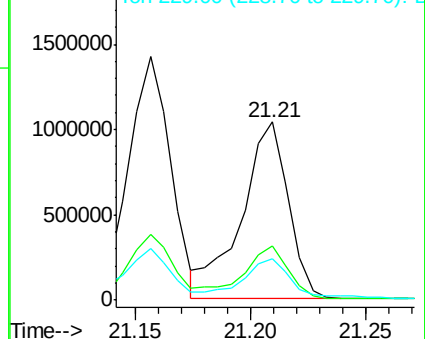
229 23.1 15.5 23.3

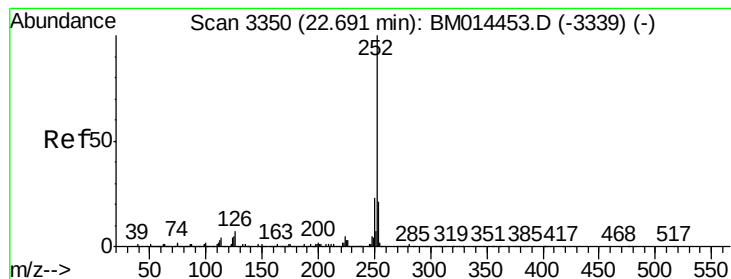


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 55.366 ng/ul

RT: 22.71 min Scan# 3354

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Instrument :

BNA_M

ClientSampleId :

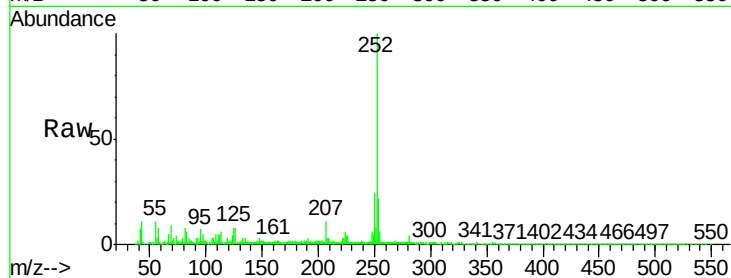
Tot Ion:252 Resp: 1731442

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

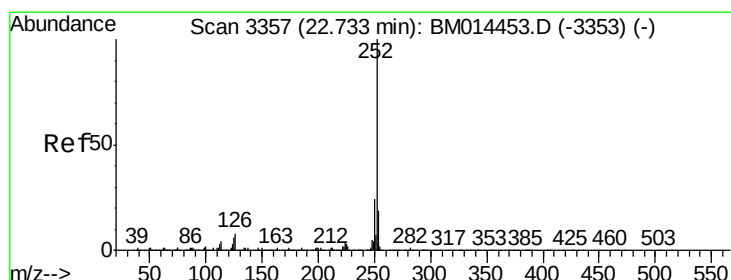
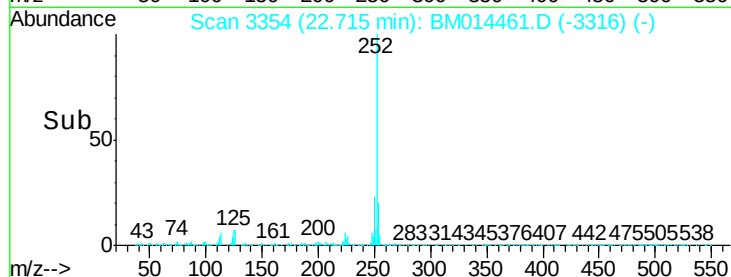
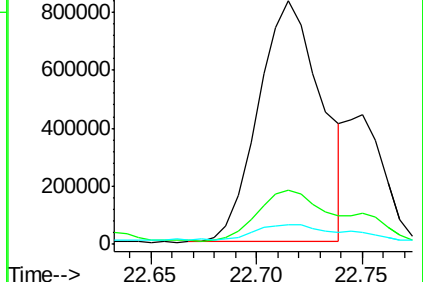
125 8.2 3.6 5.4#



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: 58.234 ng/ul

RT: 22.71 min Scan# 3354

Delta R.T. -0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

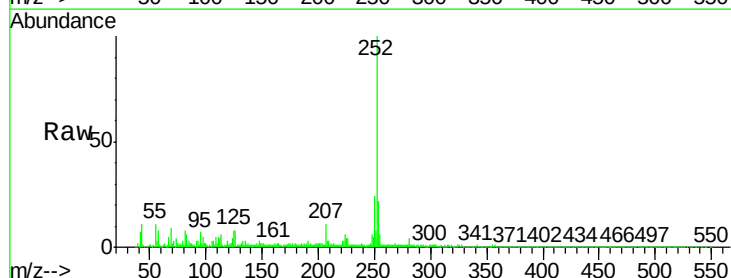
Tgt Ion:252 Resp: 1731442

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

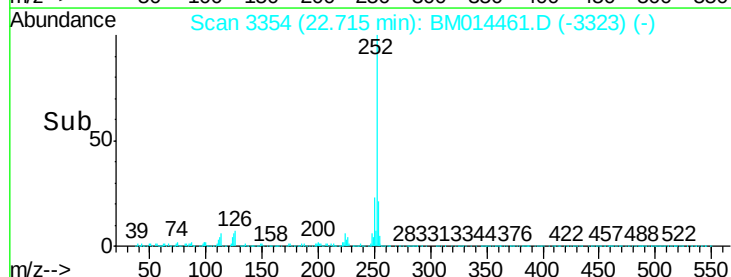
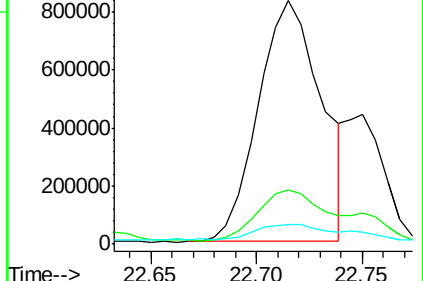
125 8.2 3.4 5.2#

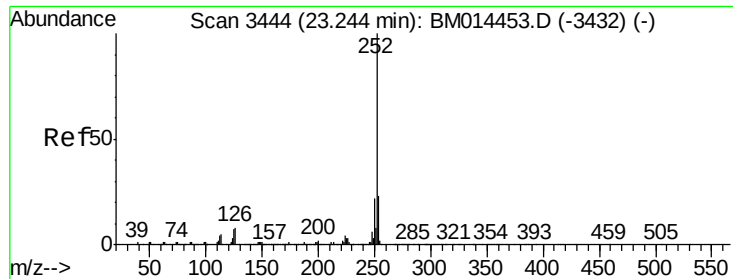


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 41.971 ng/ul

RT: 23.27 min Scan# 3448

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Instrument :

BNA_M

ClientSampleId :

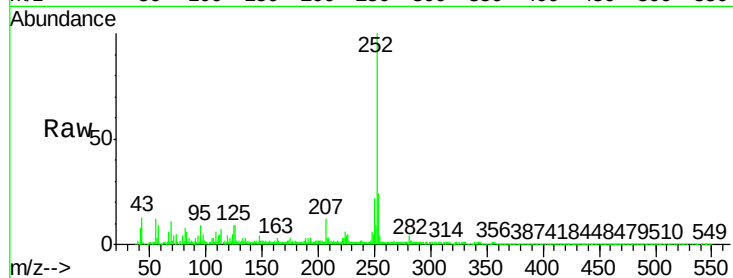
Tot Ion:252 Resp: 1172884

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

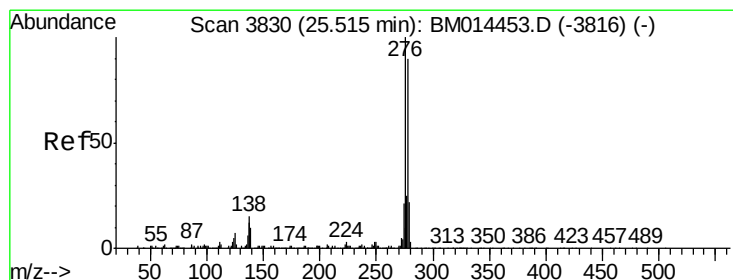
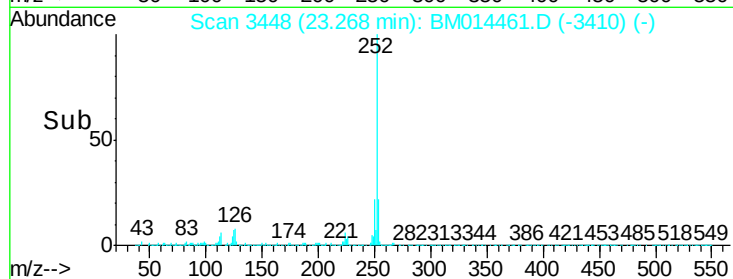
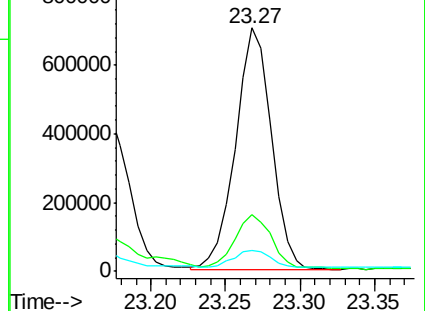
125 8.5 4.0 6.0#



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: 26.596 ng/ul

RT: 25.55 min Scan# 3836

Delta R.T. 0.04 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

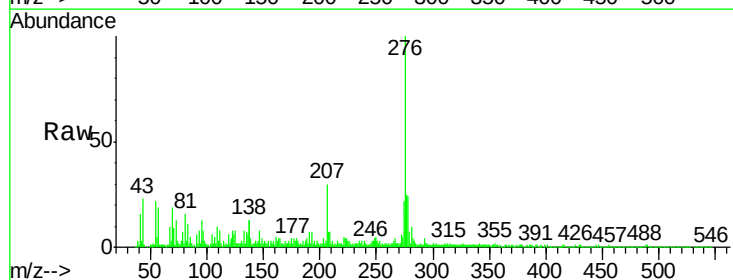
Tgt Ion:276 Resp: 721204

Ion Ratio Lower Upper

276 100

138 13.0 9.3 13.9

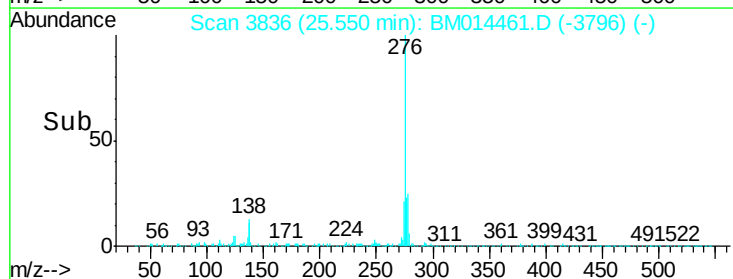
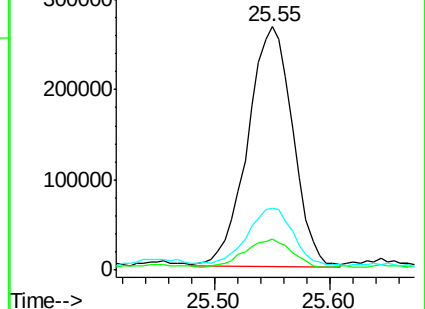
277 25.2 19.9 29.9

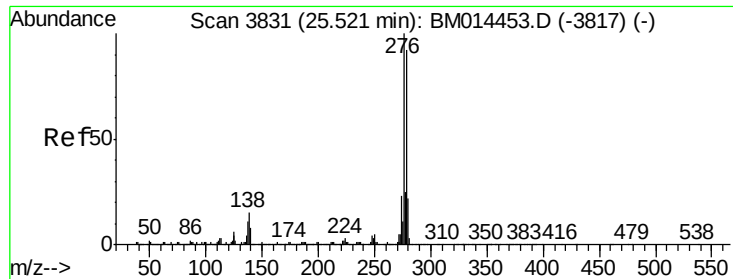


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.869 ng/ul

RT: 25.54 min Scan# 3834

Delta R.T. 0.02 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Instrument :

BNA_M

ClientSampleId :

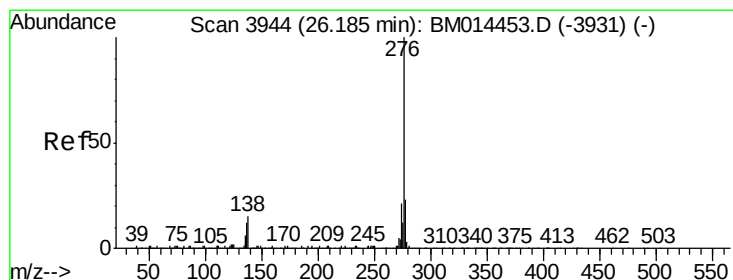
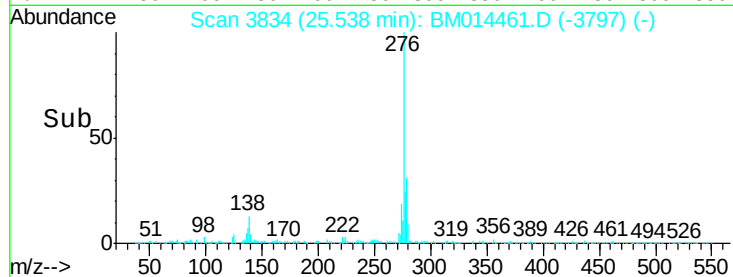
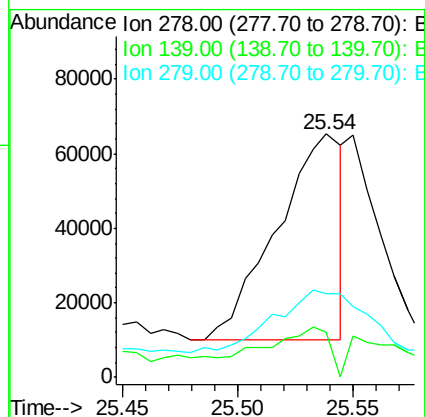
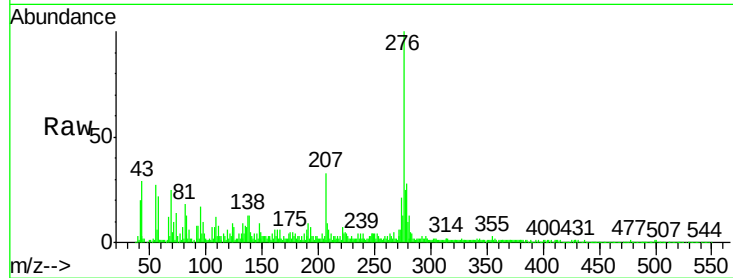
Tot Ion:278 Resp: 109720

Ion Ratio Lower Upper

278 100

139 18.6 5.8 8.8#

279 34.3 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 27.918 ng/ul

RT: 26.23 min Scan# 3951

Delta R.T. 0.04 min

Lab File: BM014461.D

Acq: 02 Mar 2018 14:43

Tgt Ion:276 Resp: 613287

Ion Ratio Lower Upper

276 100

138 13.7 8.5 12.7#

277 24.4 18.6 28.0

