

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014434.D
 Acq On : 01 Mar 2018 11:08
 Operator : SJ/JU
 Sample : J1646-12 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X6DL

Quant Time: Mar 01 13:33:25 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	114755	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	543205	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	334553	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	747288	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	704436	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	550586	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	2509	0.94	ng/uL	0.00
5) Phenol-d5	6.73	99	44694	4.61	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	27427	4.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	38005	5.11	ng/ul	0.01
13) 4-Methylphenol-d8	8.25	113	33718	3.97	ng/ul	0.01
19) Nitrobenzene-d5	8.68	128	18829	4.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.40	143	18600	4.48	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.95	165	31606	3.67	ng/ul	0.02
29) 4-Chloroaniline-d4	10.48	131	21954	2.59	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	135537	4.91	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	175177	5.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	3123	0.82	ng/ul	0.06
57) Fluorene-d10	15.18	176	116663	4.71	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	1245	0.28	ng/ul	0.02
70) Anthracene-d10	17.03	188	187887	5.21	ng/ul	0.00
76) Pyrene-d10	19.34	212	207209	5.70	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	140602	5.25	ng/ul	0.00

Target Compounds

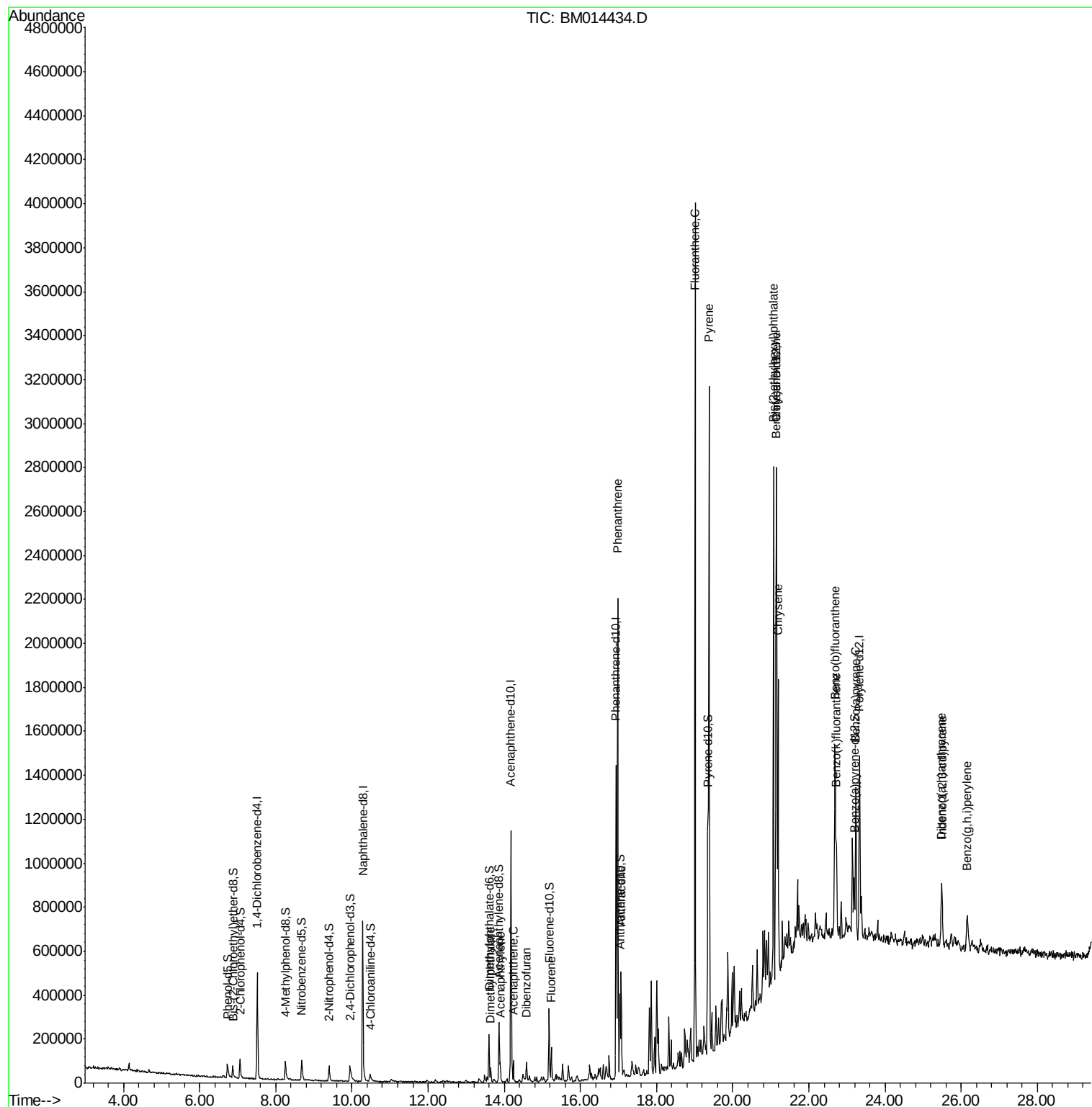
					Ovalue	
44) Dimethylphthalate	13.65	163	34019	1.249	ng/ul#	95
47) Acenaphthylene	13.90	152	55257	1.716	ng/ul#	90
49) Acenaphthene	14.24	153	36436	1.607	ng/ul	92
53) Dibenzofuran	14.59	168	39166	1.152	ng/ul#	83
58) Fluorene	15.24	166	58276	1.986	ng/ul	96
69) Phenanthrene	16.98	178	1169621	27.165	ng/ul	98
71) Anthracene	17.07	178	270687	6.251	ng/ul	96
74) Fluoranthene	19.01	202	2064565	40.135	ng/ul#	92
77) Pyrene	19.37	202	1729350	36.940	ng/ul#	91
80) Benzo(a)anthracene	21.14	228	853302	19.409	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.07	149	695946	25.104	ng/ul#	95
82) Chrysene	21.19	228	691604	16.863	ng/ul	97
85) Benzo(b)fluoranthene	22.69	252	677482	18.377	ng/ul#	96
86) Benzo(k)fluoranthene	22.72	252	251968	7.189	ng/ul#	96
88) Benzo(a)pyrene	23.23	252	468807	14.231	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.49	276	254966	7.976	ng/ul	96
90) Dibenzo(a,h)anthracene	25.48	278	40179	1.513	ng/ul#	95
91) Benzo(g,h,i)perylene	26.16	276	181223	6.998	ng/ul#	97

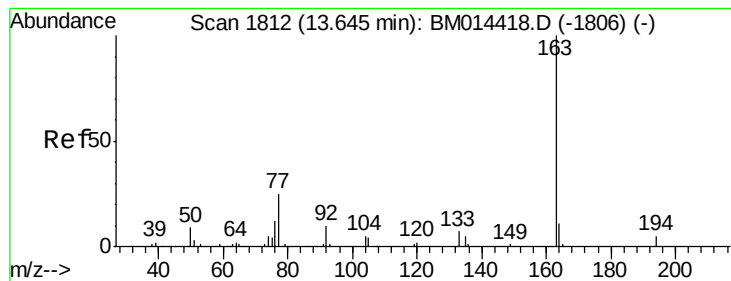
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#44

Dimethylphthalate

Concen: 1.249 ng/ul

RT: 13.65 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

Instrument :

BNA_M

ClientSampleId :

BE5X6DL

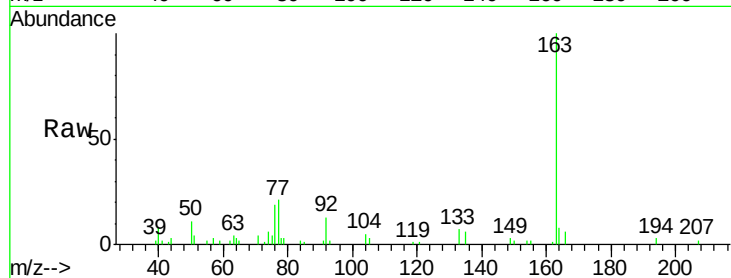
Tot Ion:163 Resp: 34019

Ion Ratio Lower Upper

163 100

194 3.1 3.5 5.3#

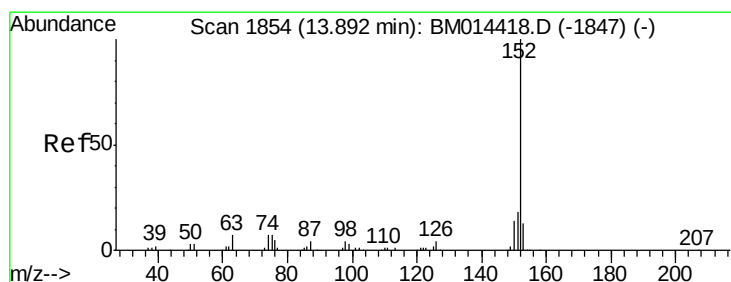
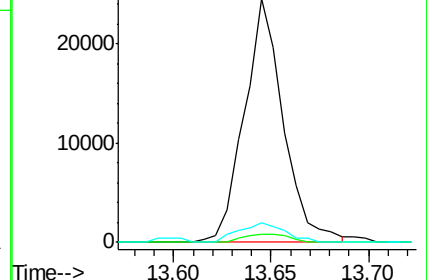
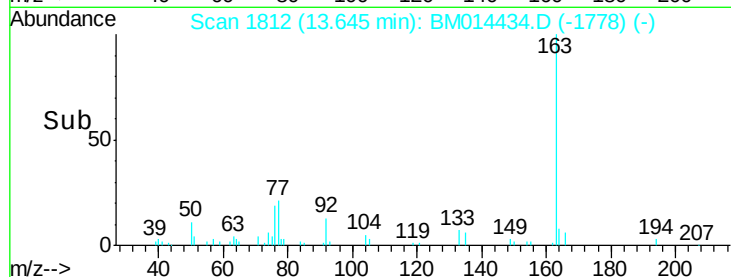
164 8.1 8.2 12.4#



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: 1.716 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

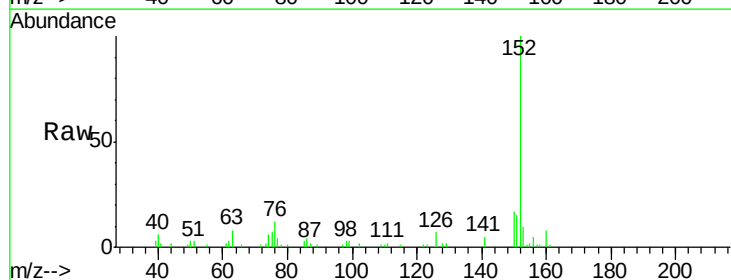
Tgt Ion:152 Resp: 55257

Ion Ratio Lower Upper

152 100

151 14.9 16.3 24.5#

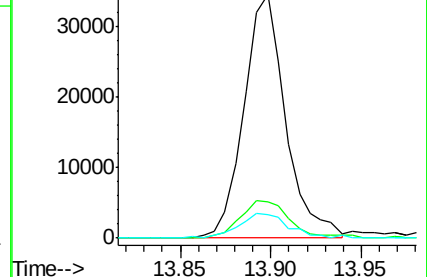
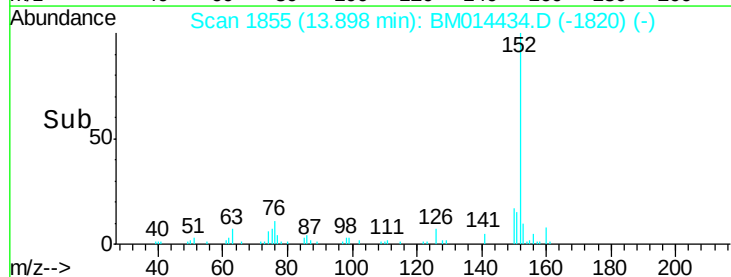
153 9.8 10.2 15.4#

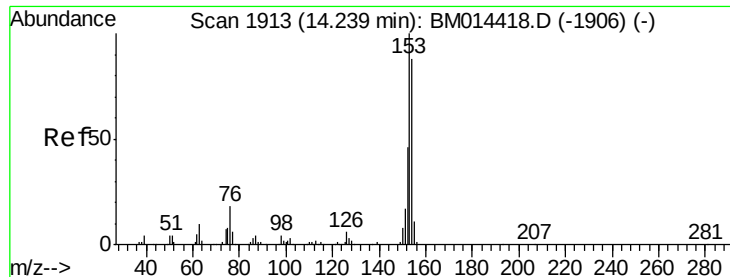


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.607 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

Instrument :

BNA_M

ClientSampleId :

BE5X6DL

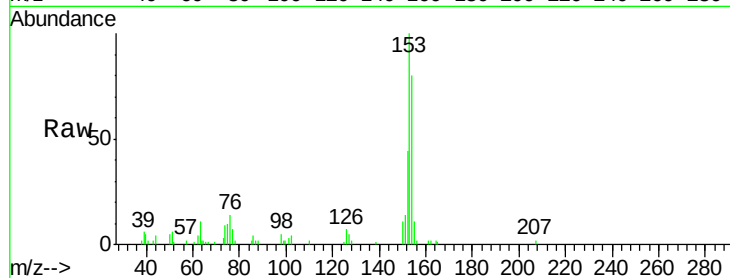
Tot Ion:153 Resp: 36436

Ion Ratio Lower Upper

153 100

152 43.8 37.6 56.4

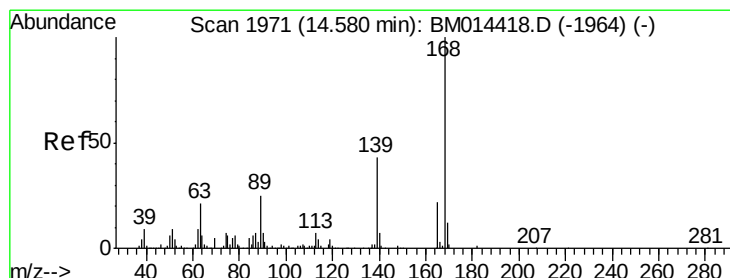
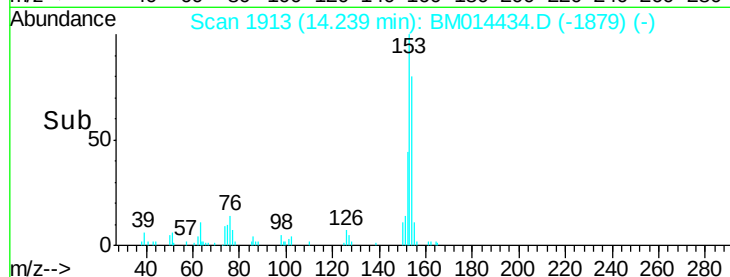
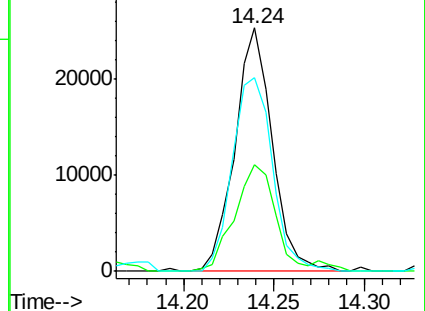
154 79.6 70.4 105.6



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: 1.152 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.01 min

Lab File: BM014434.D

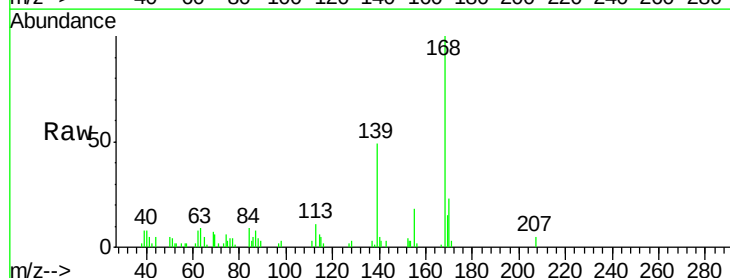
Acq: 01 Mar 2018 11:08

Tgt Ion:168 Resp: 39166

Ion Ratio Lower Upper

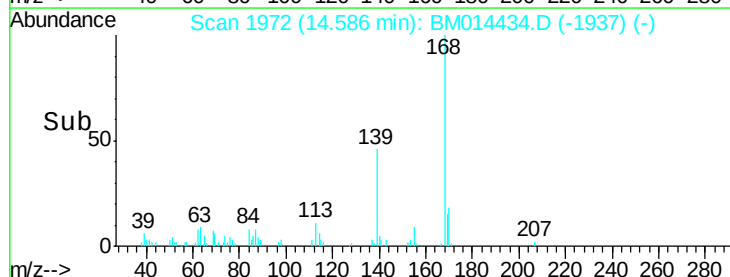
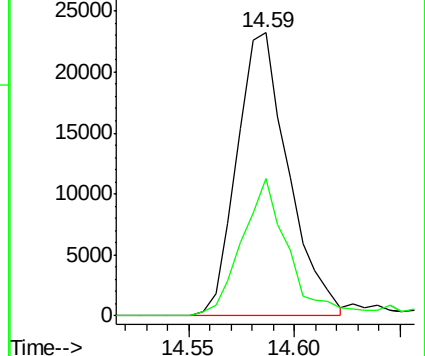
168 100

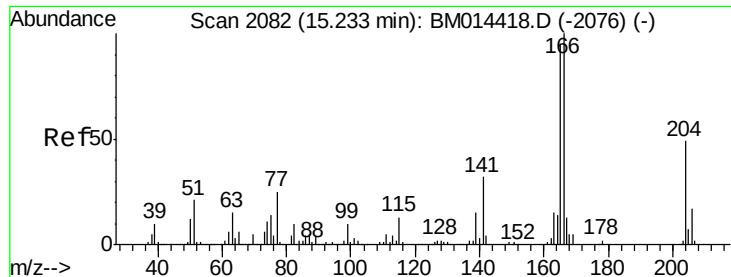
139 48.6 30.8 46.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

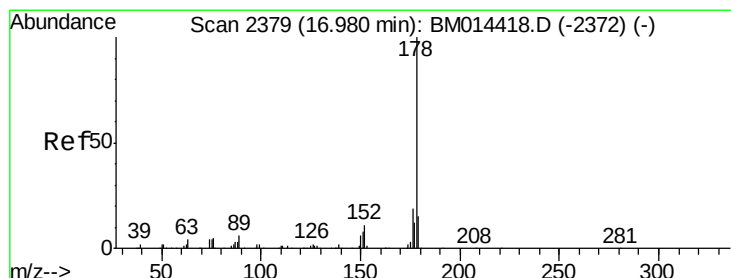
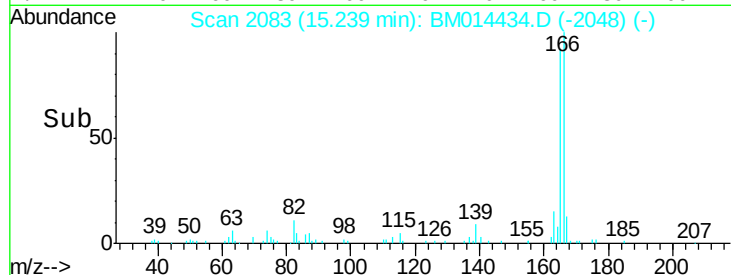
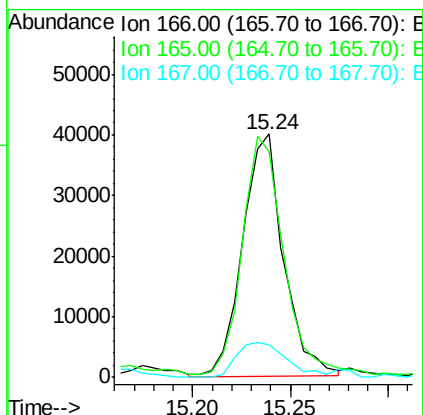
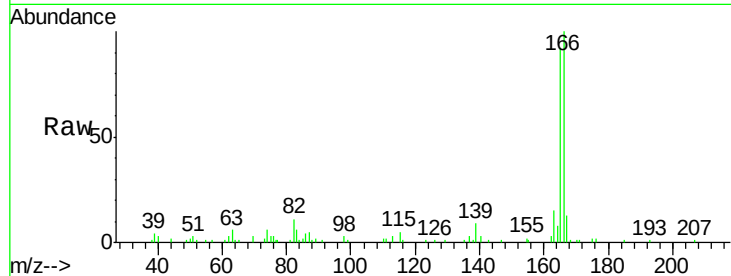




#58
 Fluorene
 Concen: 1.986 ng/ul
 RT: 15.24 min Scan# 2083
 Delta R.T. 0.01 min
 Lab File: BM014434.D
 Acq: 01 Mar 2018 11:08

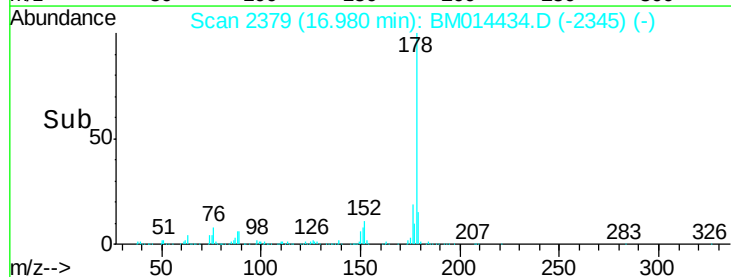
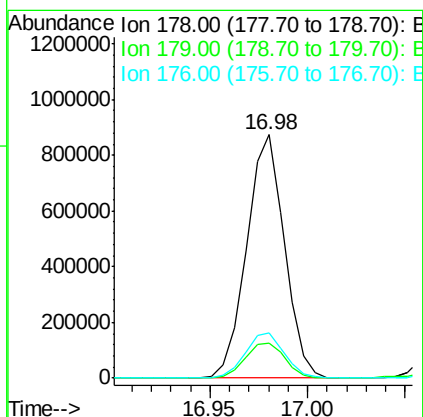
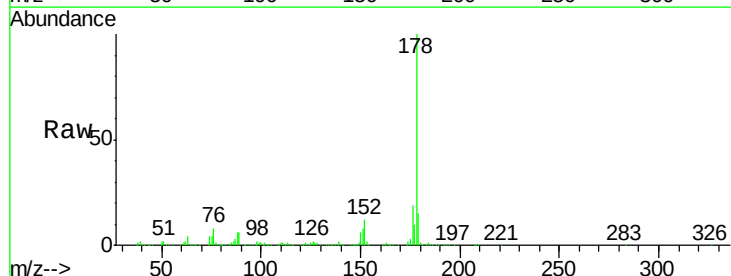
Instrument :
 BNA_M
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 BE5X6DL

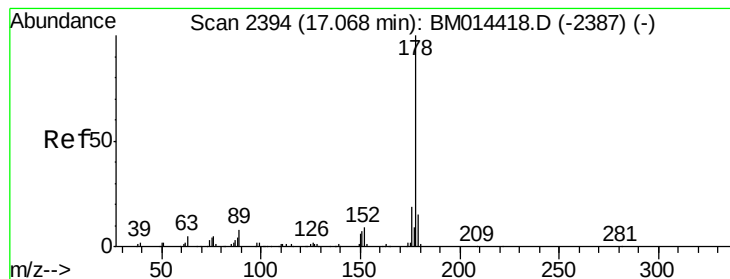
Tot Ion:166 Resp: 58276
 Ion Ratio Lower Upper
 166 100
 165 92.5 77.9 116.9
 167 13.3 10.6 16.0



#69
 Phenanthrene
 Concen: 27.165 ng/ul
 RT: 16.98 min Scan# 2379
 Delta R.T. 0.00 min
 Lab File: BM014434.D
 Acq: 01 Mar 2018 11:08

Tgt Ion:178 Resp: 1169621
 Ion Ratio Lower Upper
 178 100
 179 14.5 12.6 19.0
 176 18.7 14.9 22.3





#71

Anthracene

Concen: 6.251 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

Instrument :

BNA_M

ClientSampleId :

BE5X6DL

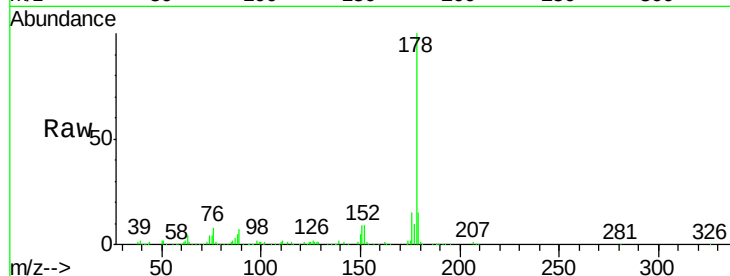
Tot Ion:178 Resp: 270687

Ion Ratio Lower Upper

178 100

179 14.7 11.7 17.5

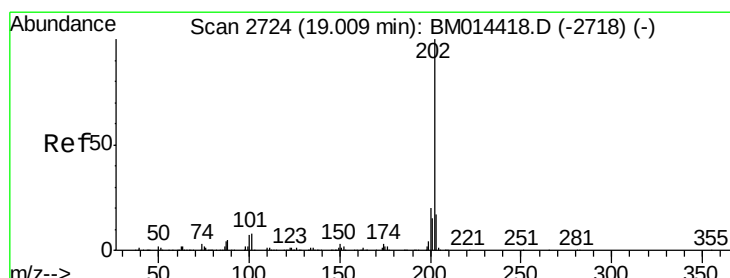
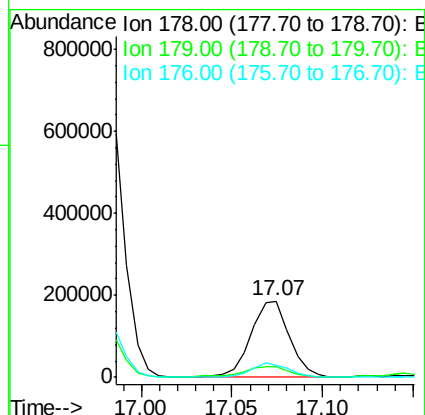
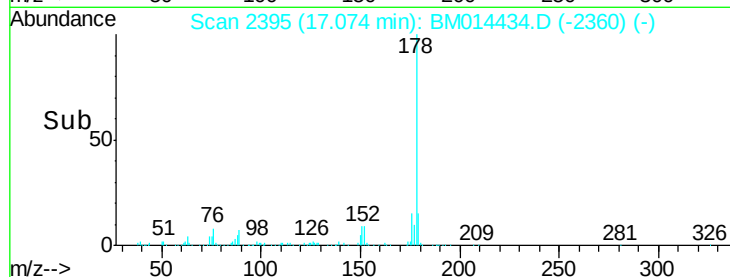
176 15.2 14.6 21.8



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



#74

Fluoranthene

Concen: 40.135 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

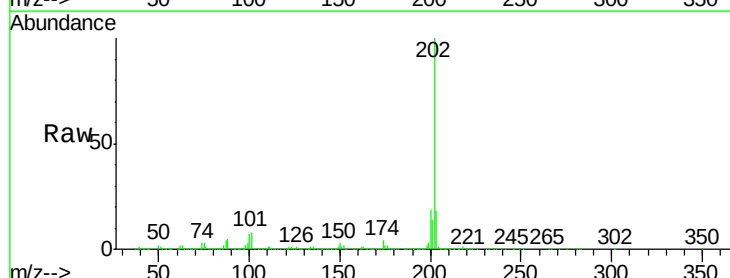
Tgt Ion:202 Resp: 2064565

Ion Ratio Lower Upper

202 100

101 8.3 4.6 7.0#

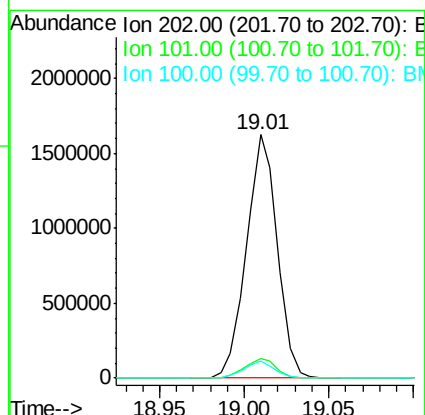
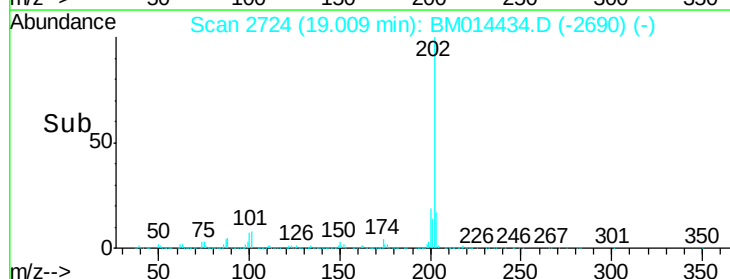
100 7.1 3.4 5.2#

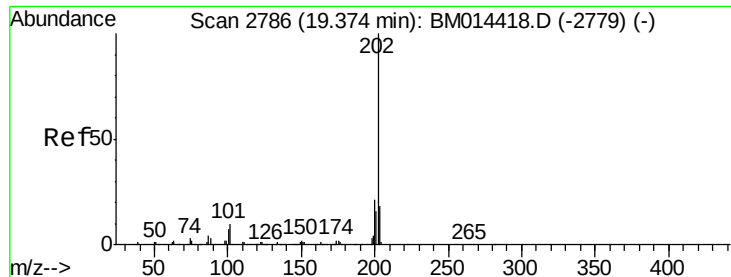


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 36.940 ng/ul

RT: 19.37 min Scan# 2786

Delta R.T. 0.00 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

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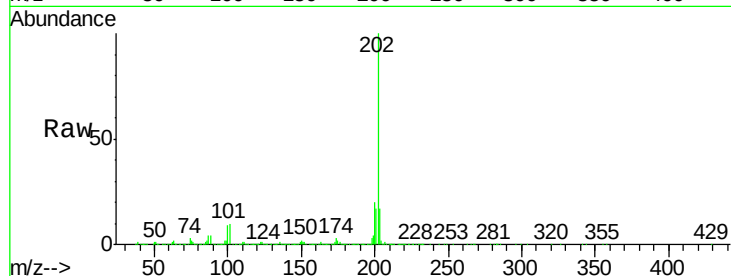
Tot Ion:202 Resp: 1729350

Ion Ratio Lower Upper

202 100

101 9.9 5.1 7.7#

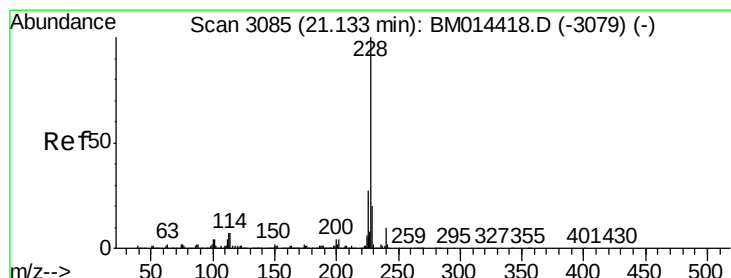
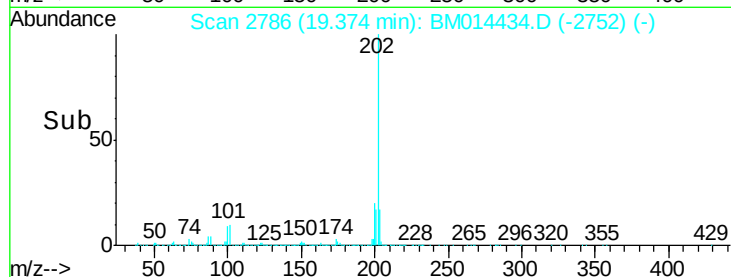
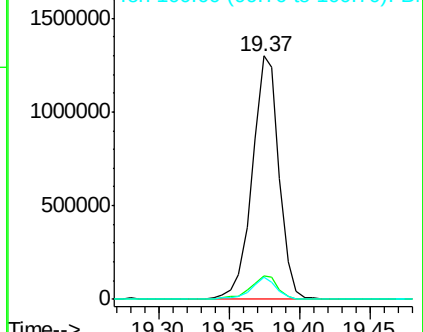
100 9.0 4.9 7.3#



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: 19.409 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

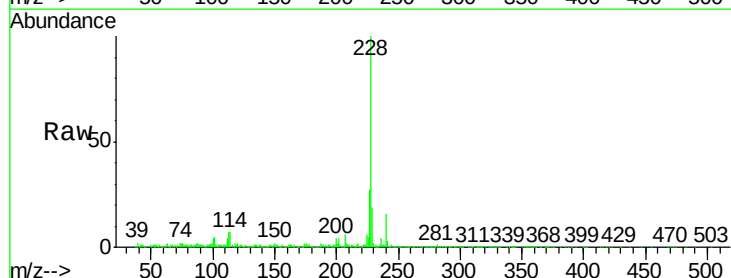
Tgt Ion:228 Resp: 853302

Ion Ratio Lower Upper

228 100

229 19.4 15.4 23.0

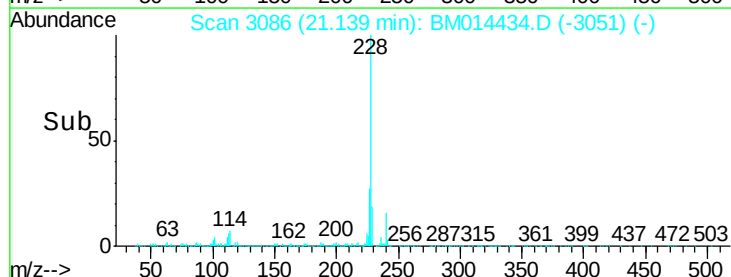
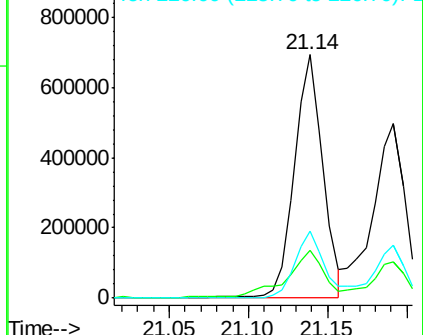
226 27.3 21.4 32.0

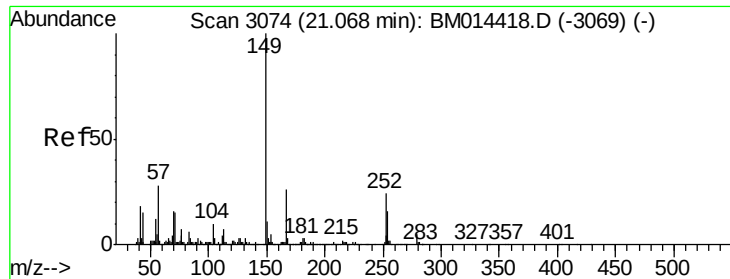


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 25.104 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM014434.D

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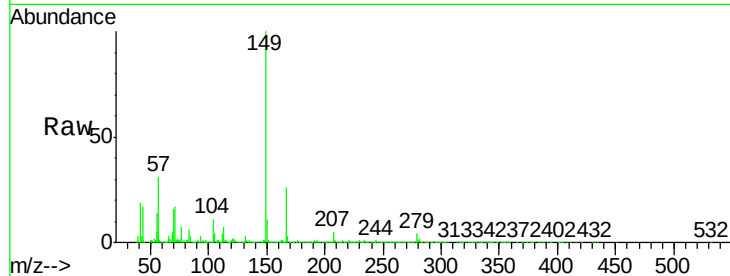
Tot Ion:149 Resp: 695946

Ion Ratio Lower Upper

149 100

167 26.0 22.8 34.2

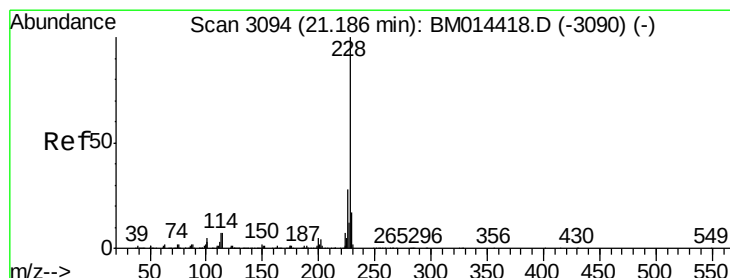
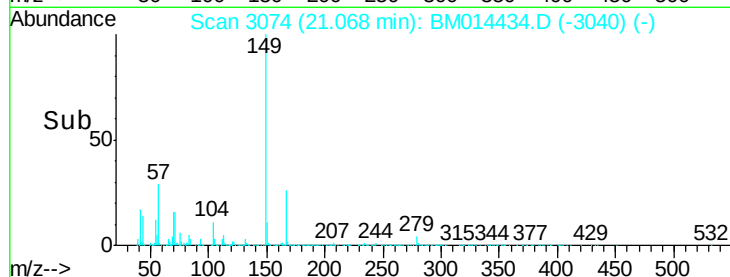
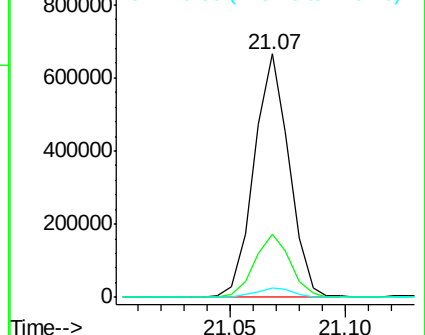
279 3.9 4.9 7.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 16.863 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

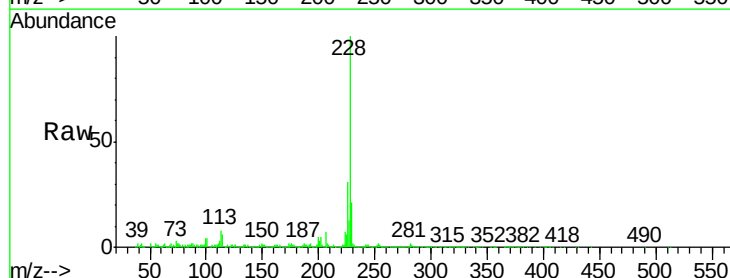
Tgt Ion:228 Resp: 691604

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

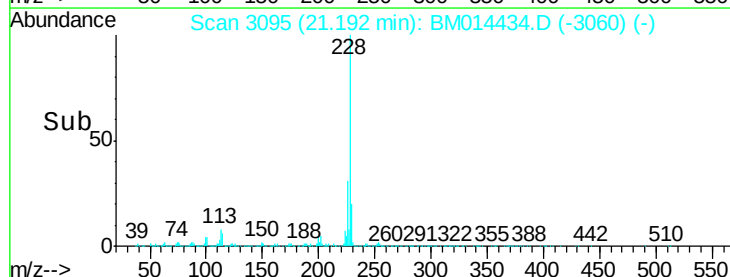
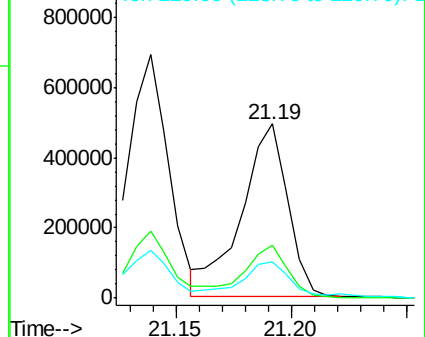
229 20.8 15.5 23.3

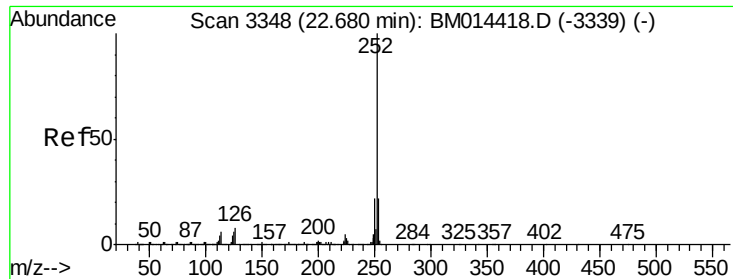


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 18.377 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

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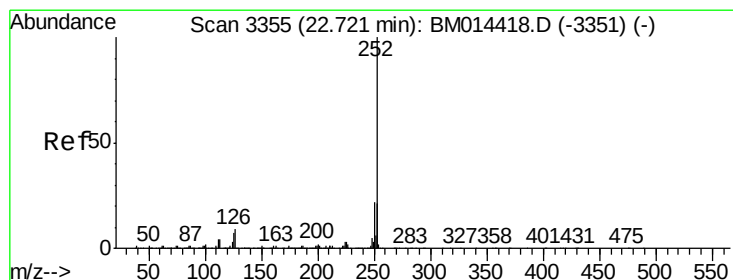
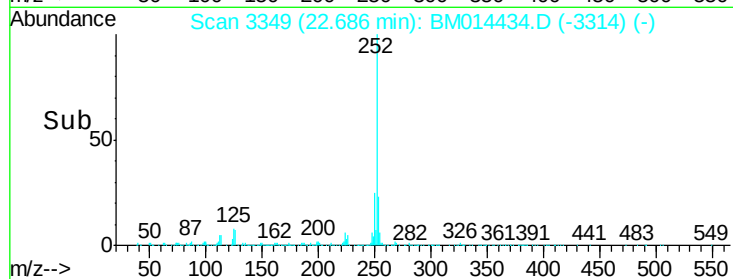
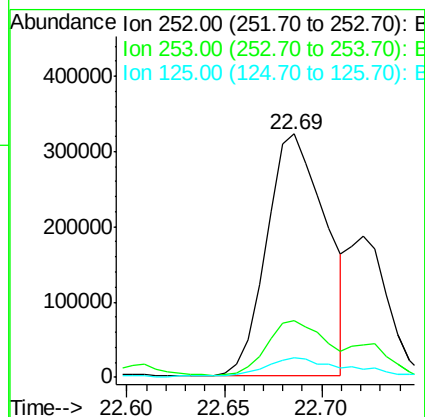
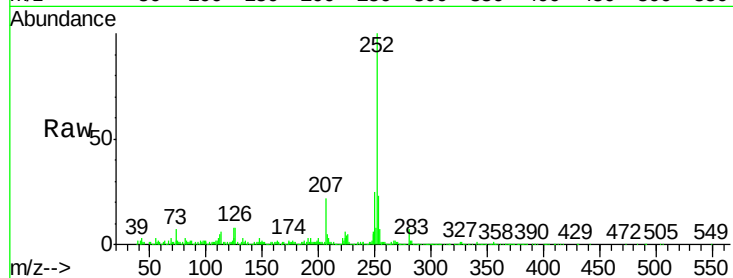
Tot Ion:252 Resp: 677482

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

125 8.2 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 7.189 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

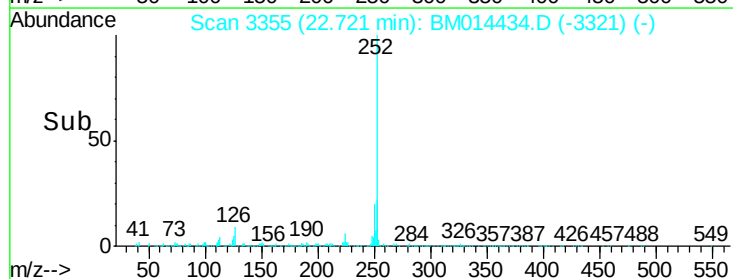
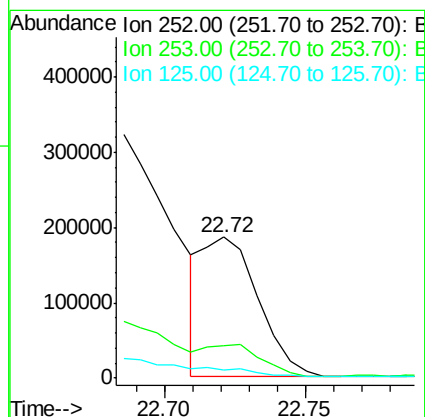
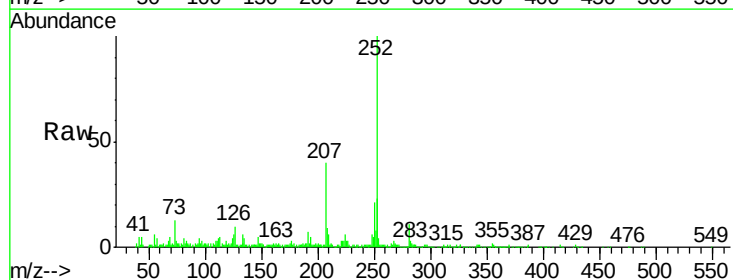
Tgt Ion:252 Resp: 251968

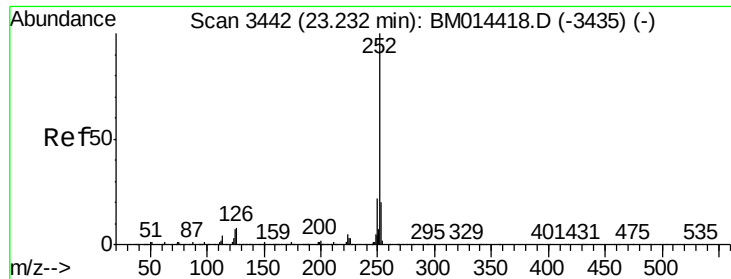
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 6.2 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 14.231 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

Instrument :

BNA_M

ClientSampleId :

BE5X6DL

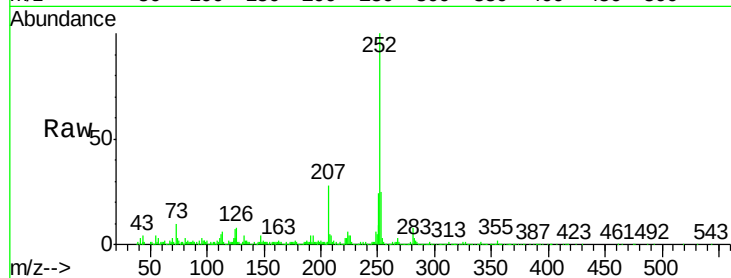
Tot Ion:252 Resp: 468807

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

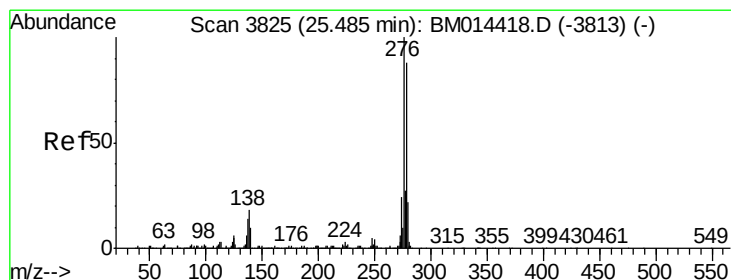
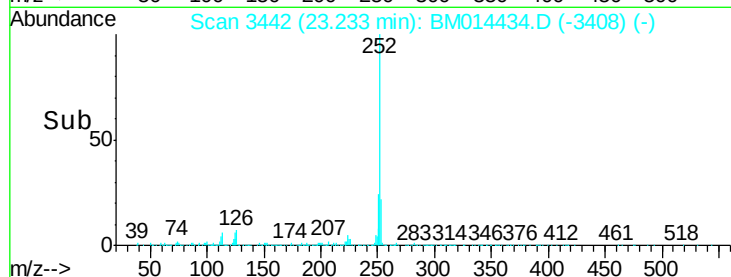
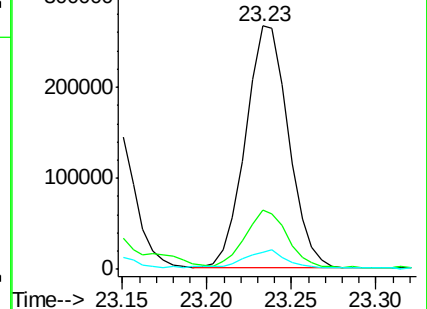
125 7.0 4.0 6.0#



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: 7.976 ng/ul

RT: 25.49 min Scan# 3826

Delta R.T. 0.01 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

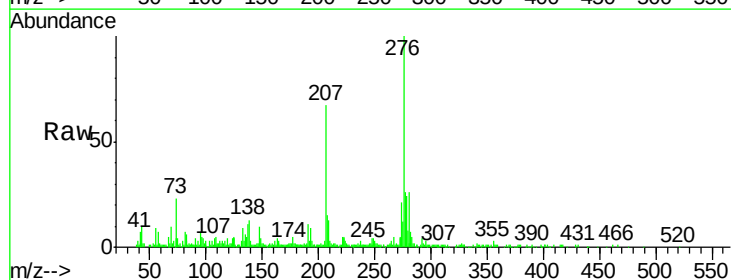
Tgt Ion:276 Resp: 254966

Ion Ratio Lower Upper

276 100

138 13.5 9.3 13.9

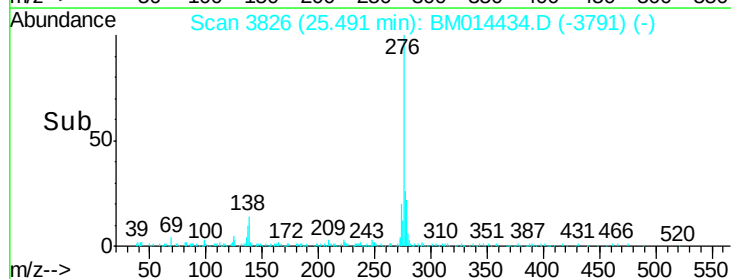
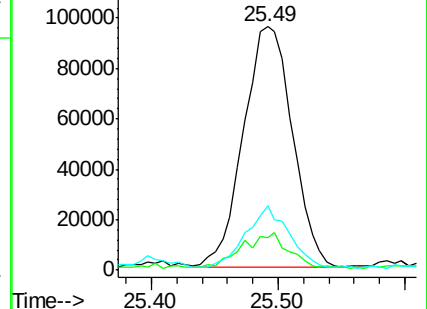
277 26.5 19.9 29.9

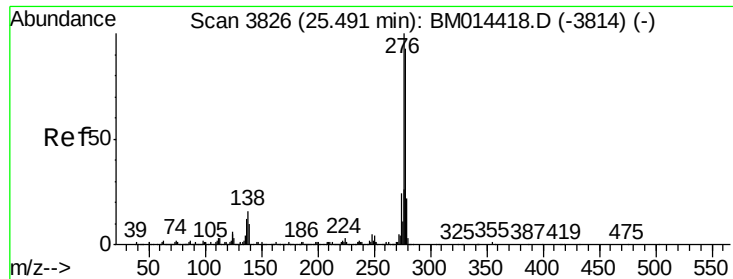


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.513 ng/ul

RT: 25.48 min Scan# 3824

Delta R.T. -0.01 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

Instrument :

BNA_M

ClientSampleId :

BE5X6DL

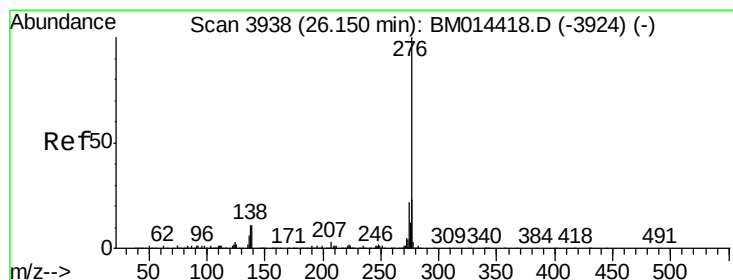
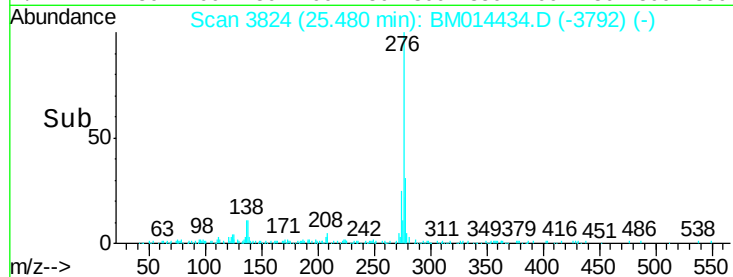
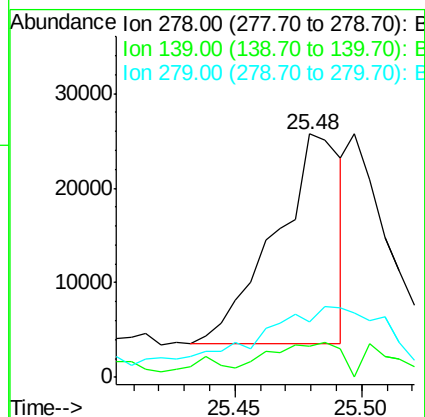
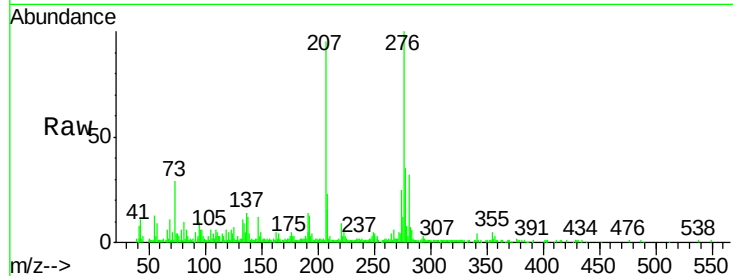
Tot Ion:278 Resp: 40179

Ion Ratio Lower Upper

278 100

139 12.9 5.8 8.8#

279 22.7 18.6 27.8



#91

Benzo(g,h,i)perylene

Concen: 6.998 ng/ul

RT: 26.16 min Scan# 3939

Delta R.T. 0.01 min

Lab File: BM014434.D

Acq: 01 Mar 2018 11:08

Tgt Ion:276 Resp: 181223

Ion Ratio Lower Upper

276 100

138 13.7 8.5 12.7#

277 23.1 18.6 28.0

