

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014432.D
 Acq On : 01 Mar 2018 09:56
 Operator : SJ/JU
 Sample : J1678-03
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5T2

Quant Time: Mar 01 11:32:16 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	144483	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	652387	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	393169	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	845272	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	807573	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	640206	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	14919	4.42	ng/uL	0.00
5) Phenol-d5	6.72	99	450738	36.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	263927	35.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	359752	38.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	379785	35.54	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	190273	39.47	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	209817	42.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	387229	37.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	402656	39.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	1263085	38.90	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	1615561	40.35	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	162910	36.34	ng/ul	0.01
57) Fluorene-d10	15.18	176	1052824	36.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.34	200	52888	10.43	ng/ul	0.00
70) Anthracene-d10	17.04	188	1612431	39.54	ng/ul	0.00
76) Pyrene-d10	19.35	212	1813134	43.53	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	1192569	38.27	ng/ul	0.01

Target Compounds

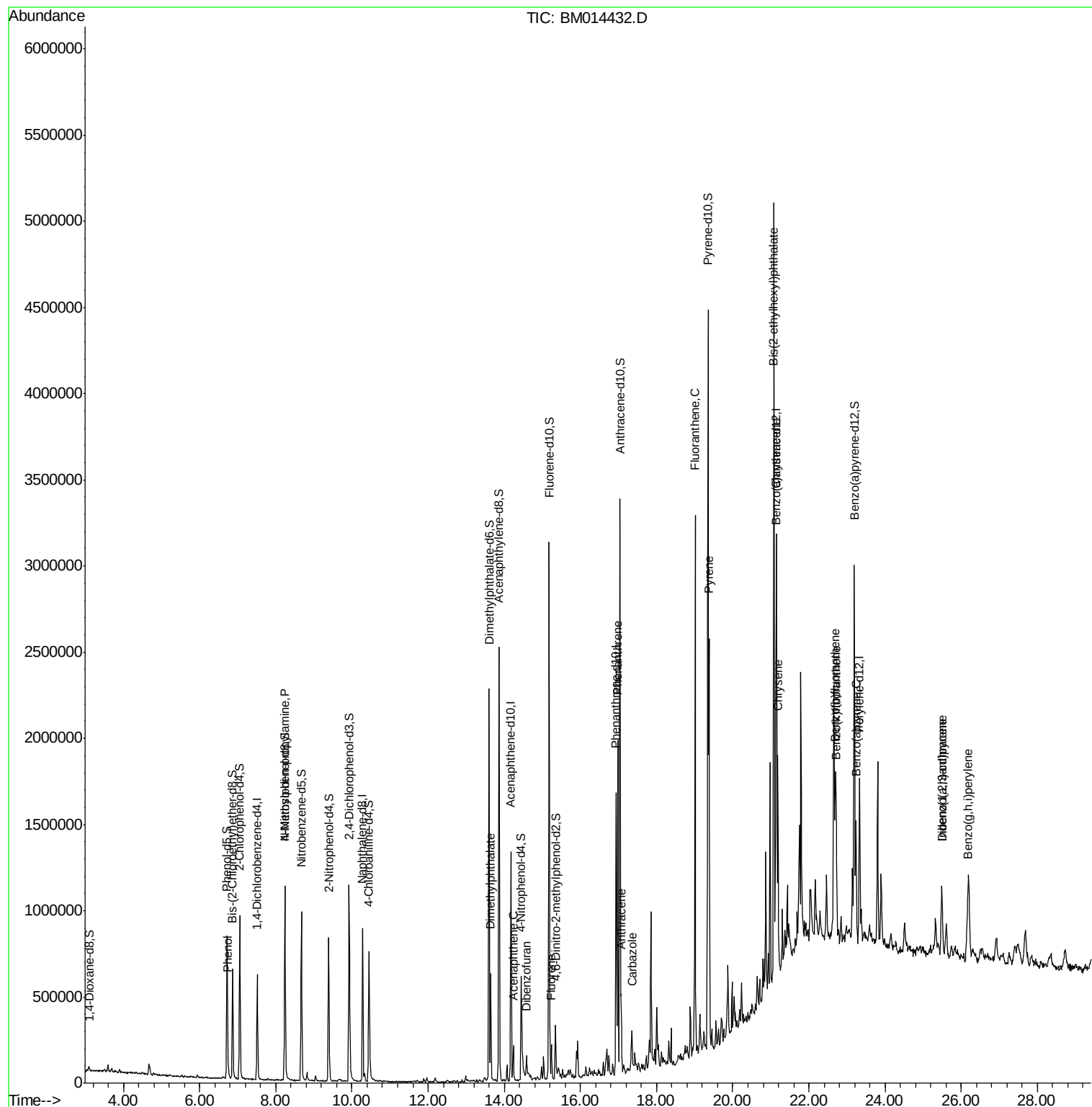
					Ovalue	
6) Phenol	6.74	94	24703	1.928	ng/ul#	87
15) N-Nitroso-di-n-propylamine	8.24	70	12513	1.355	ng/ul#	1
44) Dimethylphthalate	13.64	163	329175	10.281	ng/ul	98
49) Acenaphthene	14.23	153	79565	2.986	ng/ul	97
53) Dibenzofuran	14.58	168	50243	1.257	ng/ul	88
58) Fluorene	15.23	166	79680	2.310	ng/ul	95
69) Phenanthrene	16.98	178	1053496	21.632	ng/ul	100
71) Anthracene	17.07	178	247643	5.056	ng/ul	99
72) Carbazole	17.36	167	124239	3.017	ng/ul#	96
74) Fluoranthene	19.01	202	1640900	28.201	ng/ul#	93
77) Pyrene	19.38	202	1359110	25.324	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	691890	13.728	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.07	149	420386	13.228	ng/ul#	93
82) Chrysene	21.19	228	621918	13.227	ng/ul	96
85) Benzo(b)fluoranthene	22.69	252	637501	14.872	ng/ul#	96
86) Benzo(k)fluoranthene	22.72	252	230851	5.664	ng/ul#	90
88) Benzo(a)pyrene	23.24	252	445671	11.634	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.50	276	248722	6.691	ng/ul#	95
90) Dibenzo(a,h)anthracene	25.50	278	73044	2.365	ng/ul#	91
91) Benzo(g,h,i)perylene	26.16	276	196843	6.537	ng/ul#	92

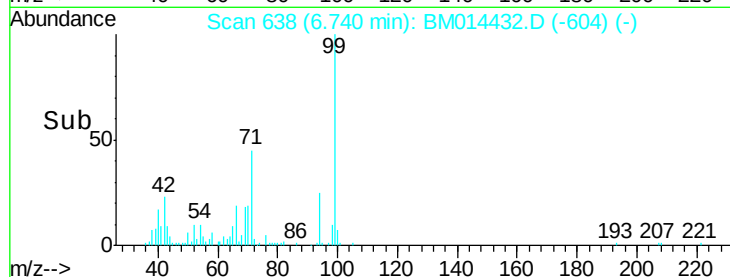
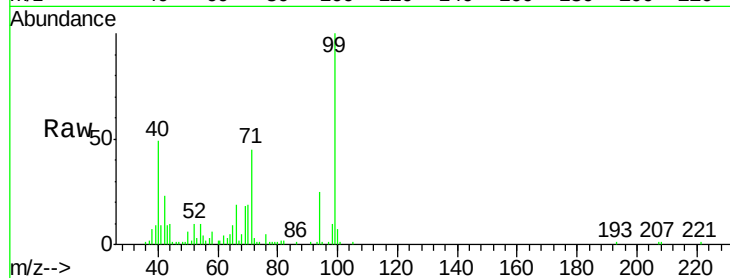
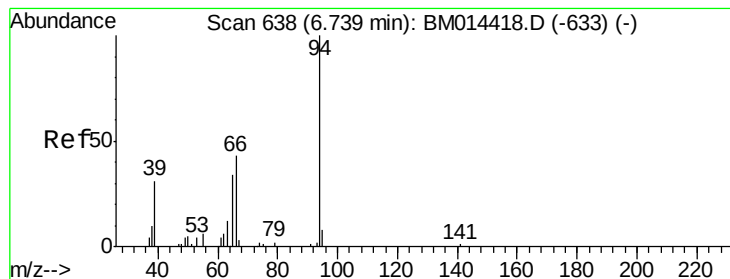
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.928 ng/ul

RT: 6.74 min Scan# 638

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

BE5T2

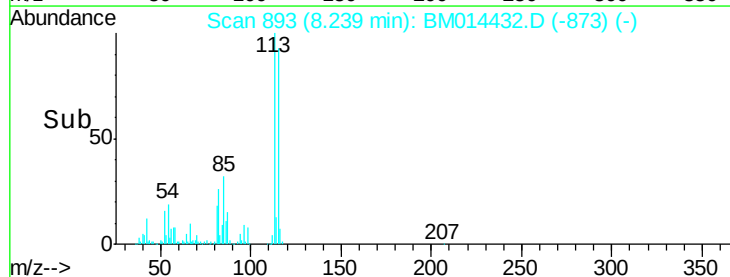
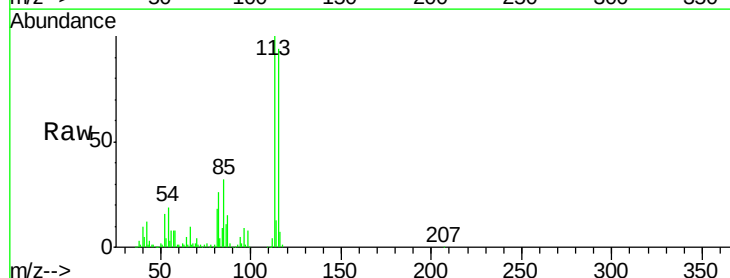
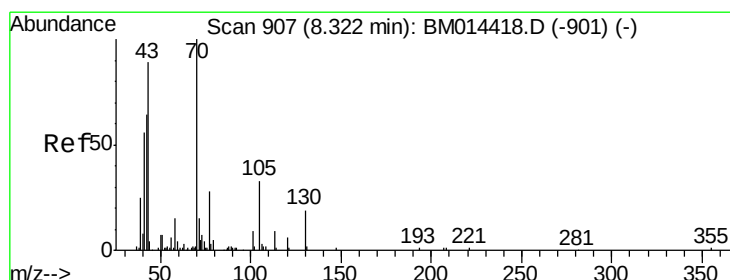
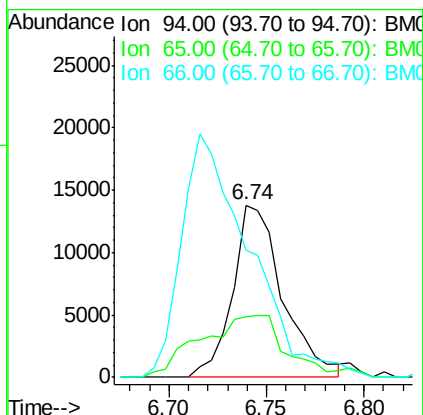
Tot Ion: 94 Resp: 24703

Ion Ratio Lower Upper

94 100

65 35.2 28.2 42.4

66 74.1 47.2 70.8#



#15

N-Nitroso-di-n-propylamine

Concen: 1.355 ng/ul

RT: 8.24 min Scan# 893

Delta R.T. -0.08 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Tgt Ion: 70 Resp: 12513

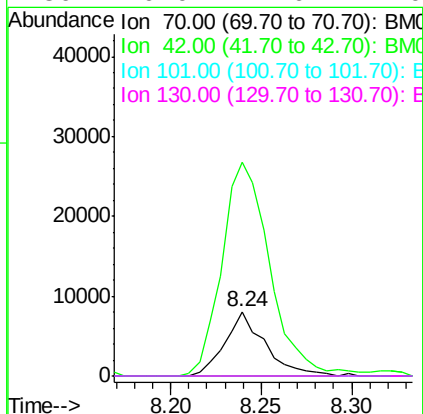
Ion Ratio Lower Upper

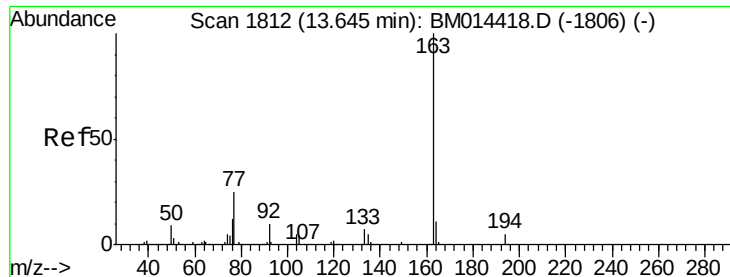
70 100

42 331.1 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#





#44

Dimethylphthalate

Concen: 10.281 ng/ul

RT: 13.64 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

BE5T2

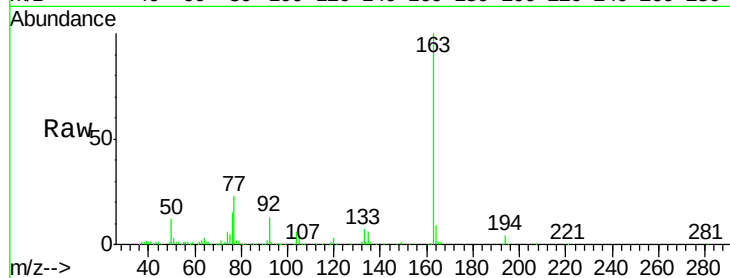
Tot Ion:163 Resp: 329175

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

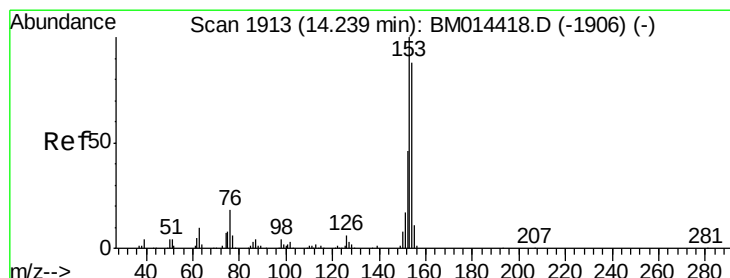
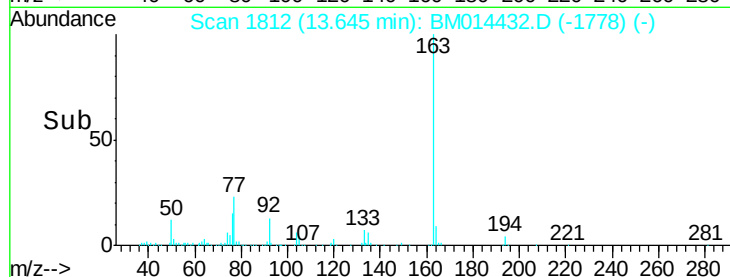
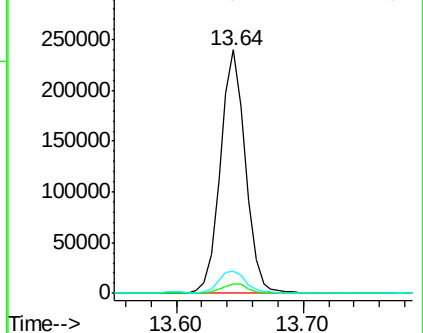
164 9.3 8.2 12.4



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: 2.986 ng/ul

RT: 14.23 min Scan# 1912

Delta R.T. -0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

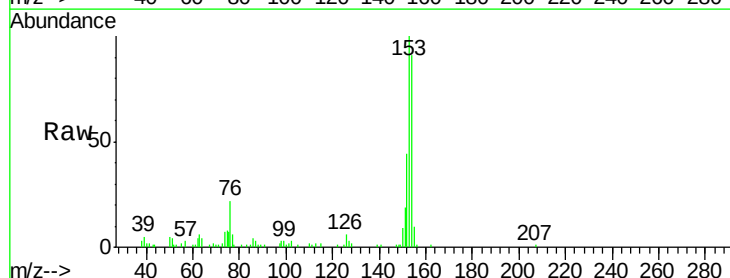
Tgt Ion:153 Resp: 79565

Ion Ratio Lower Upper

153 100

152 44.4 37.6 56.4

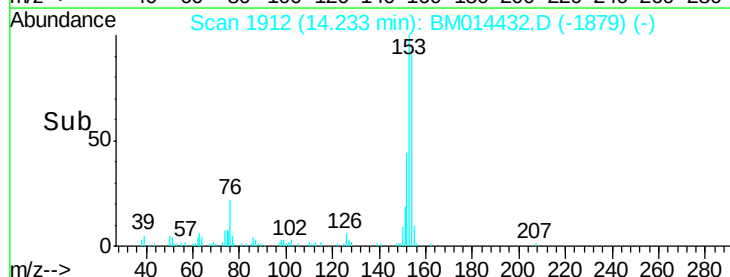
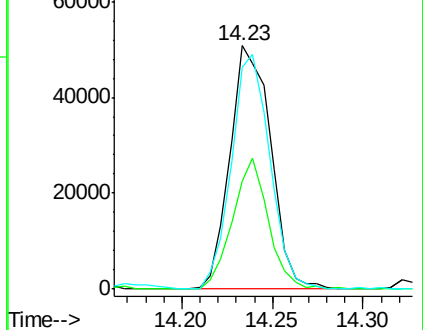
154 91.0 70.4 105.6

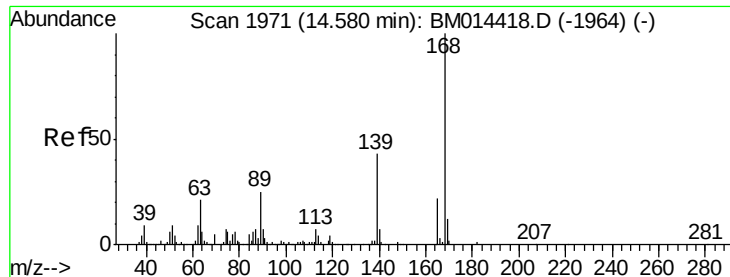


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.257 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

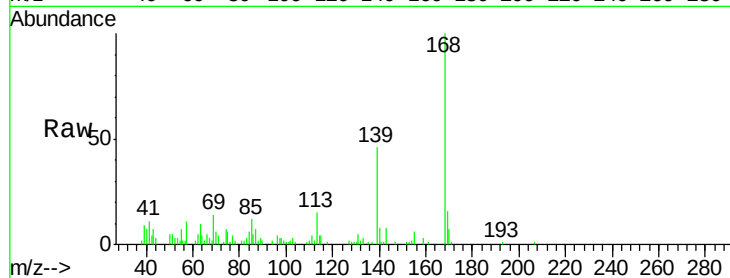
BE5T2

Tot Ion:168 Resp: 50243

Ion Ratio Lower Upper

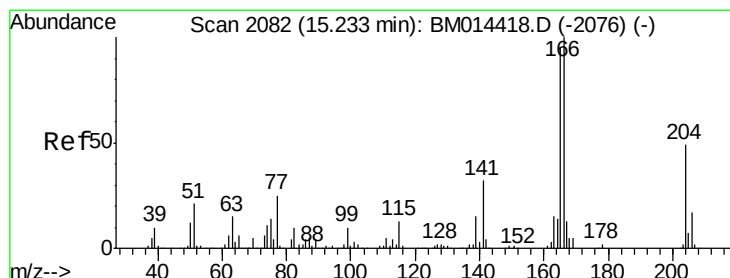
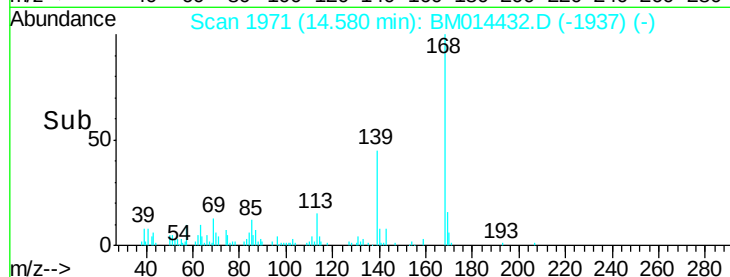
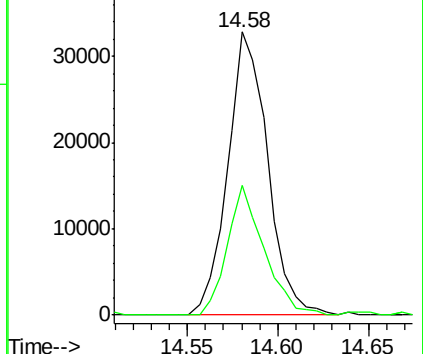
168 100

139 45.9 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: 2.310 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

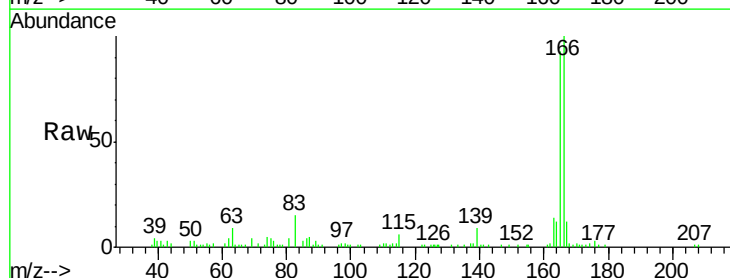
Tgt Ion:166 Resp: 79680

Ion Ratio Lower Upper

166 100

165 92.6 77.9 116.9

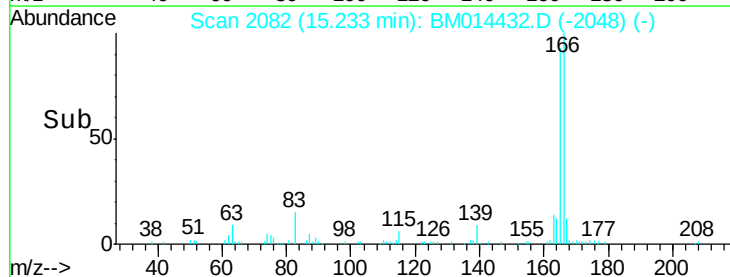
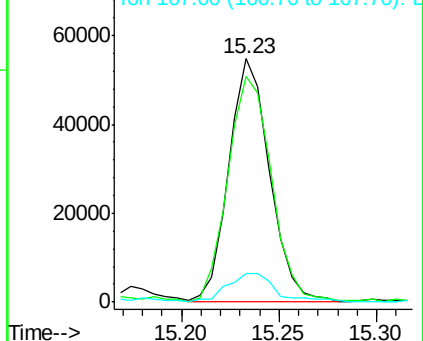
167 11.6 10.6 16.0

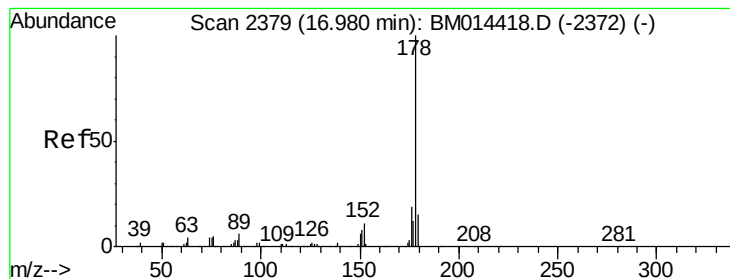


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 21.632 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

BE5T2

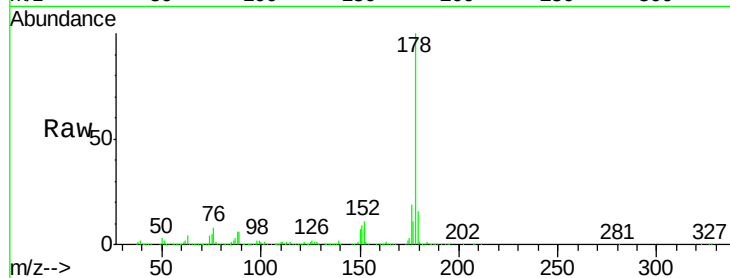
Tot Ion:178 Resp: 1053496

Ion Ratio Lower Upper

178 100

179 15.9 12.6 19.0

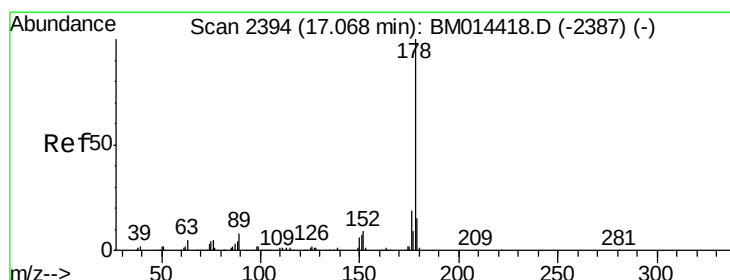
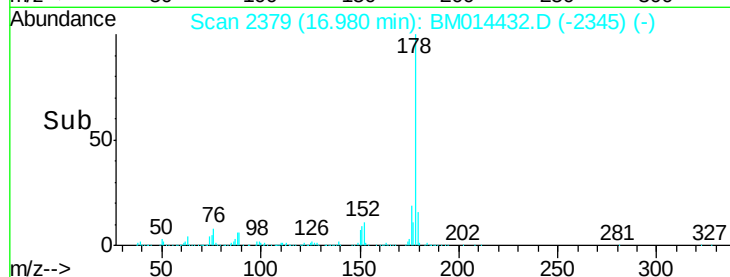
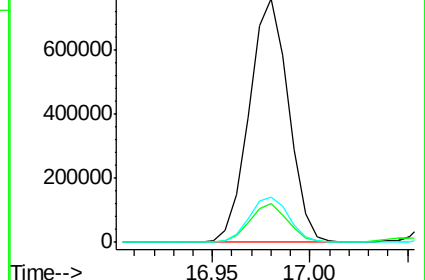
176 18.6 14.9 22.3



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: 5.056 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

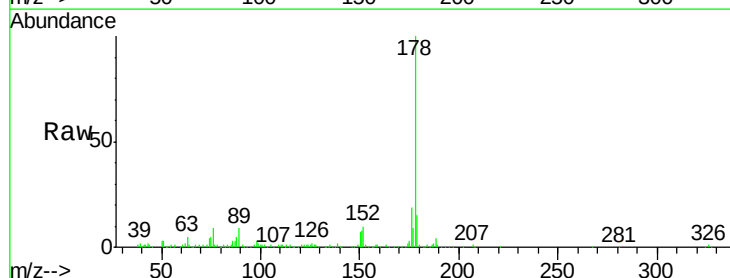
Tgt Ion:178 Resp: 247643

Ion Ratio Lower Upper

178 100

179 14.9 11.7 17.5

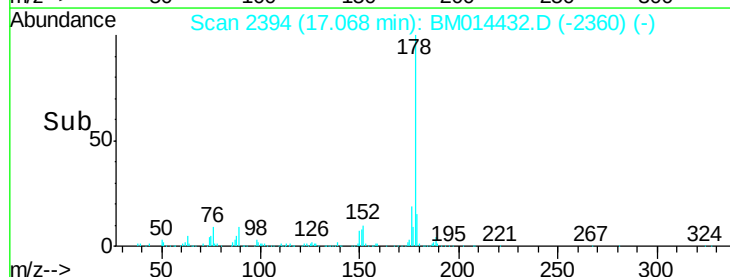
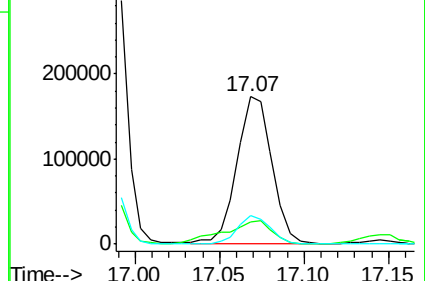
176 19.0 14.6 21.8

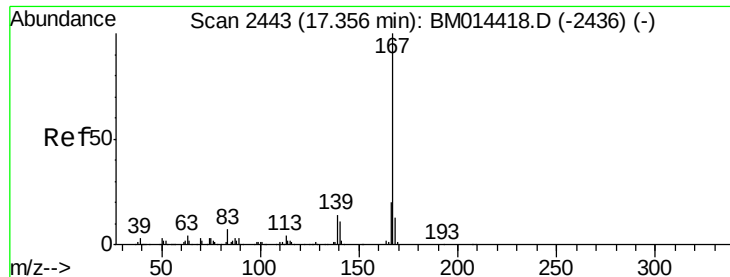


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 3.017 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

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ClientSampleId :

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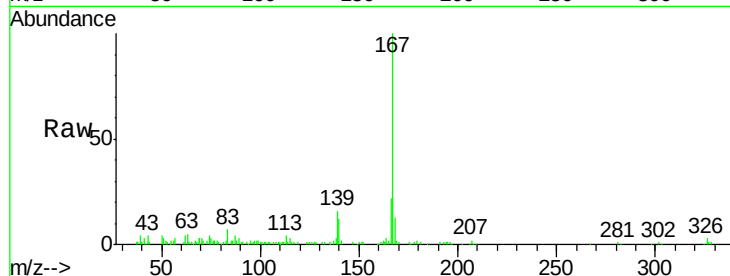
Tot Ion:167 Resp: 124239

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

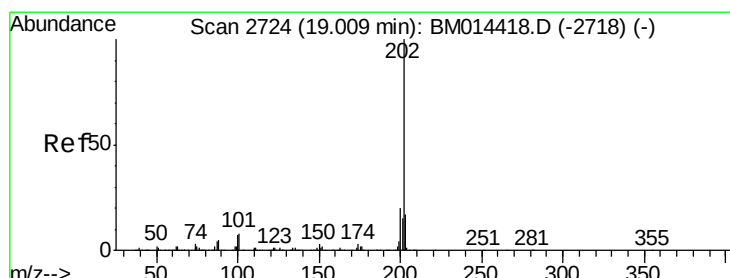
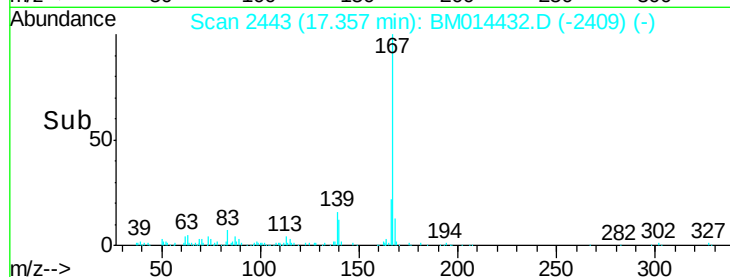
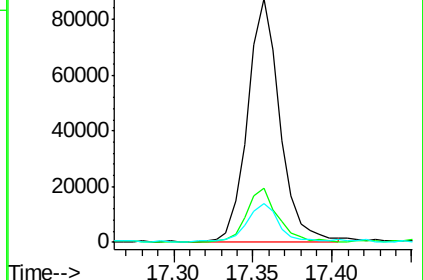
139 16.1 10.0 15.0#



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: 28.201 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

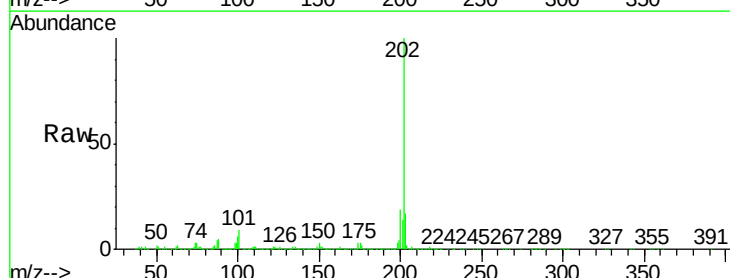
Tgt Ion:202 Resp: 1640900

Ion Ratio Lower Upper

202 100

101 8.6 4.6 7.0#

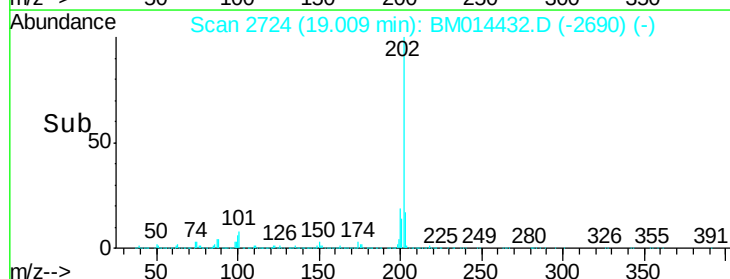
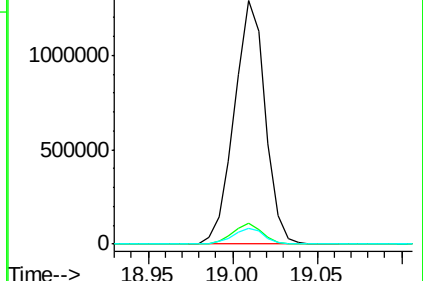
100 6.2 3.4 5.2#

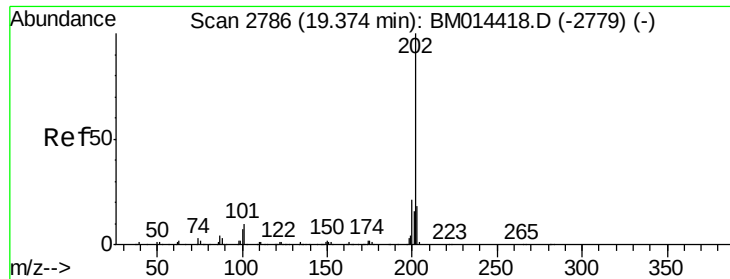


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 25.324 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

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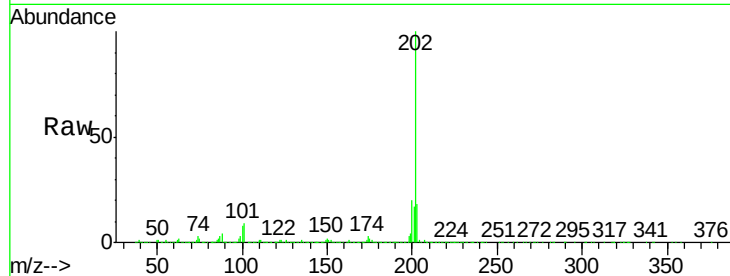
Tot Ion:202 Resp: 1359110

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

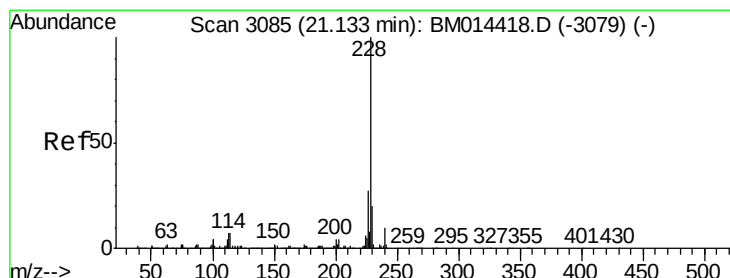
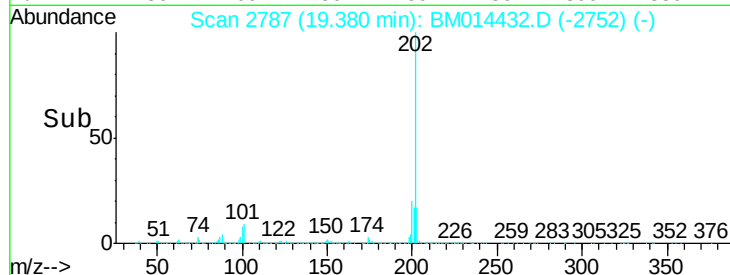
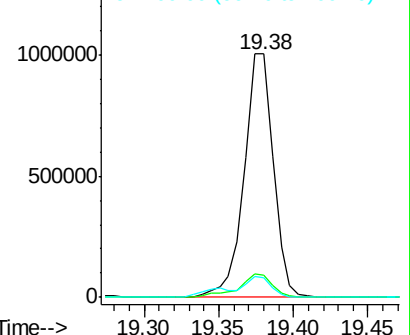
100 7.8 4.9 7.3#



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: 13.728 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

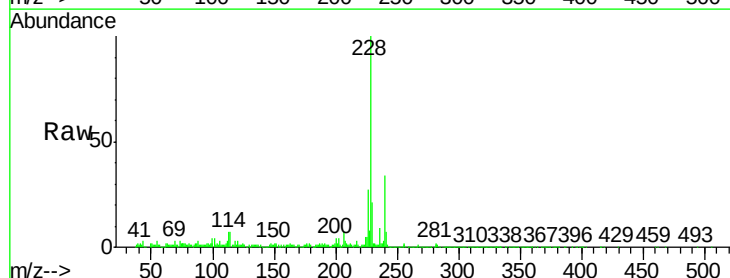
Tgt Ion:228 Resp: 691890

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

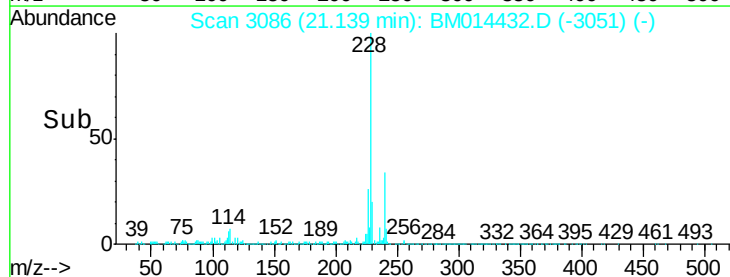
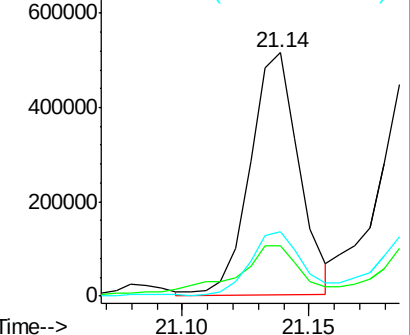
226 26.6 21.4 32.0

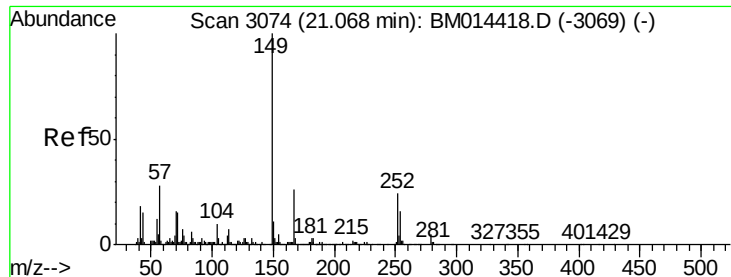


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 13.228 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

BE5T2

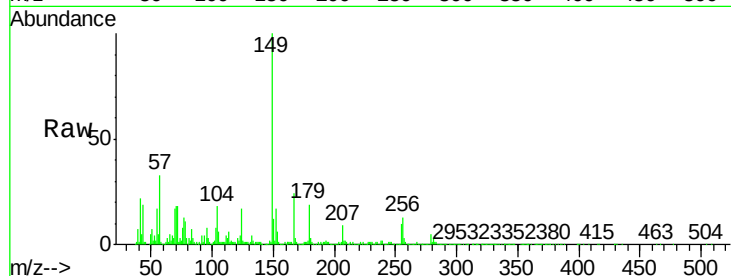
Tot Ion:149 Resp: 420386

Ion Ratio Lower Upper

149 100

167 24.3 22.8 34.2

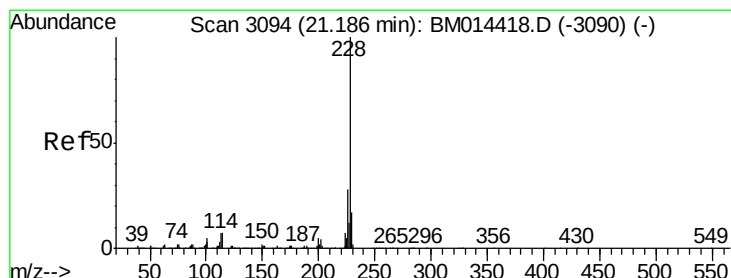
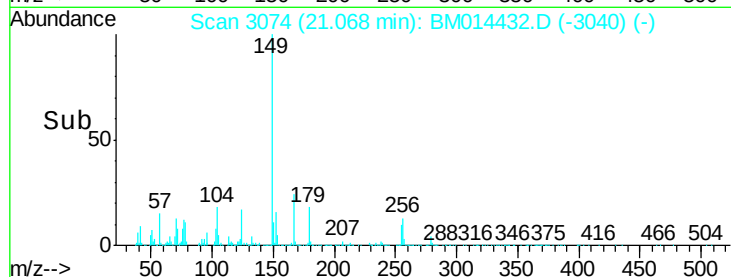
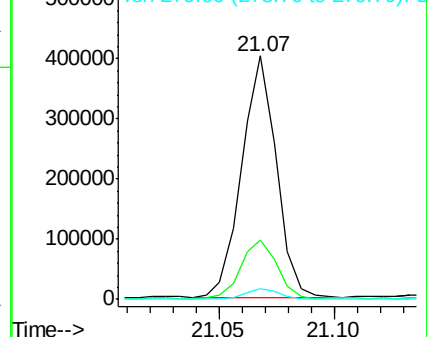
279 4.5 4.9 7.3#



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: 13.227 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

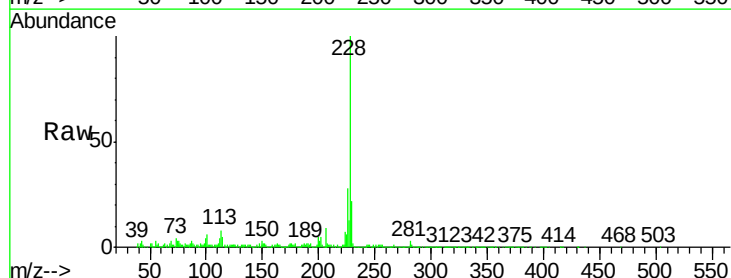
Tgt Ion:228 Resp: 621918

Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.2

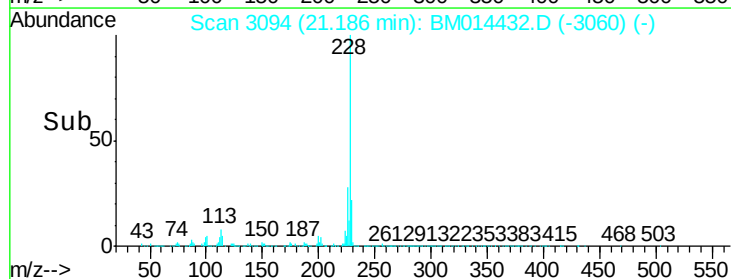
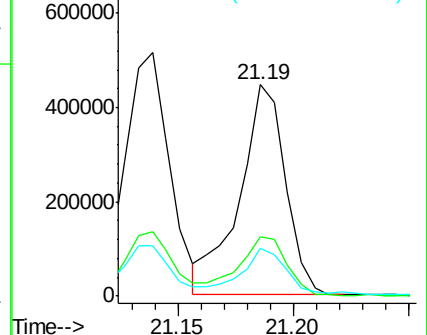
229 22.3 15.5 23.3

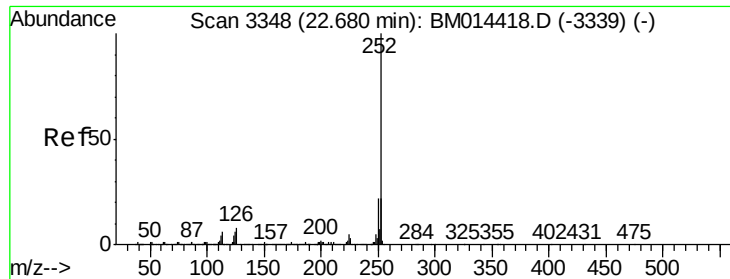


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 14.872 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

BE5T2

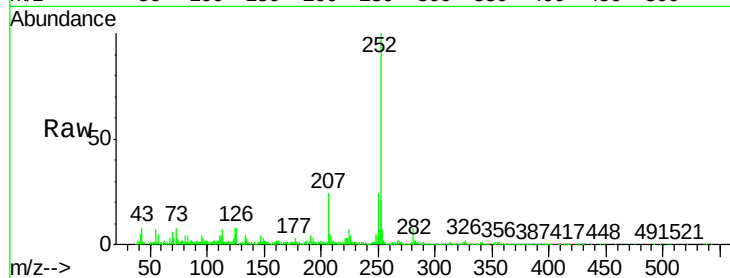
Tot Ion:252 Resp: 637501

Ion Ratio Lower Upper

252 100

253 21.0 17.9 26.9

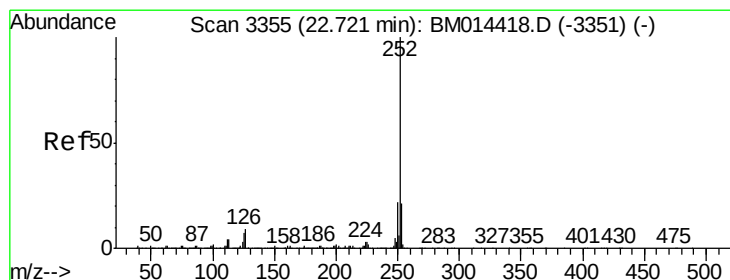
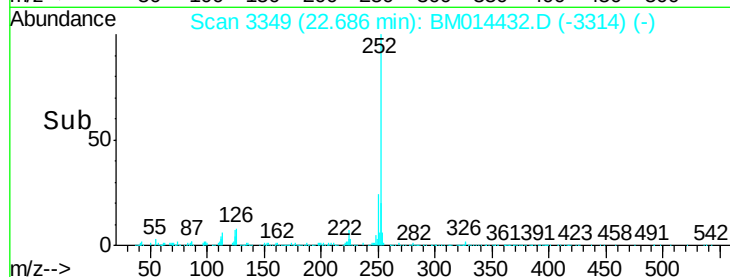
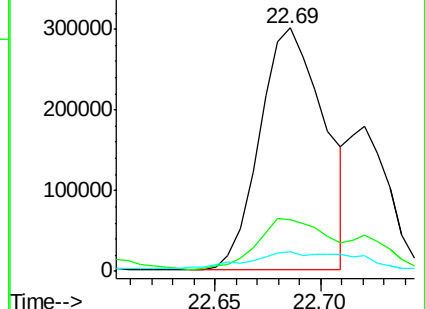
125 7.8 3.6 5.4#



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: 5.664 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. 0.00 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

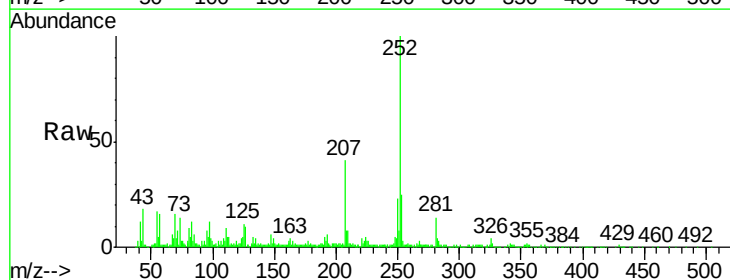
Tgt Ion:252 Resp: 230851

Ion Ratio Lower Upper

252 100

253 25.2 17.1 25.7

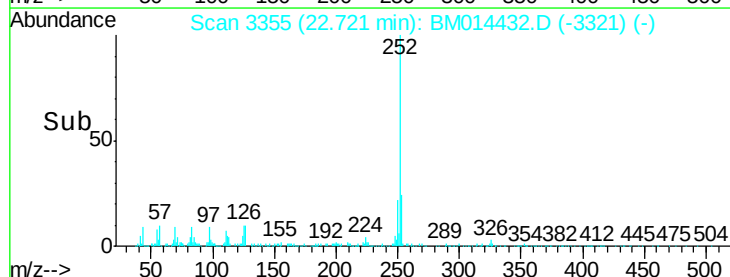
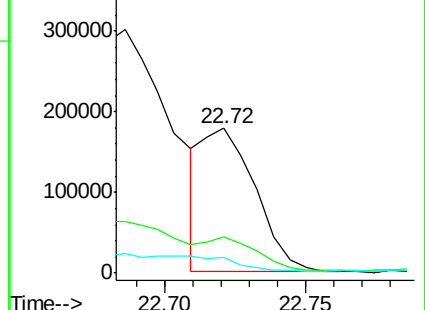
125 11.0 3.4 5.2#

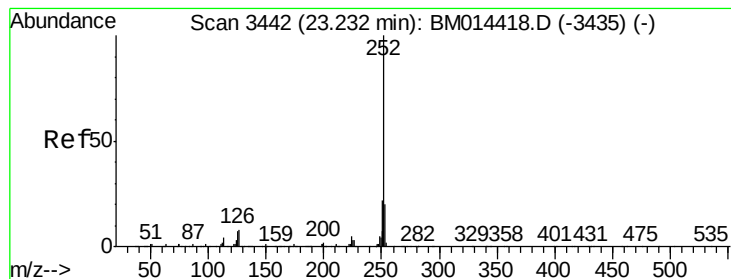


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.634 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

BE5T2

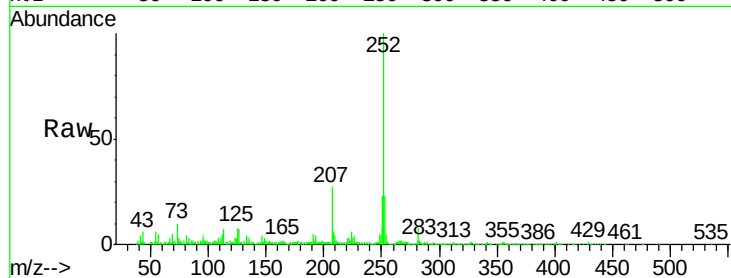
Tot Ion:252 Resp: 445671

Ion Ratio Lower Upper

252 100

253 23.0 18.2 27.2

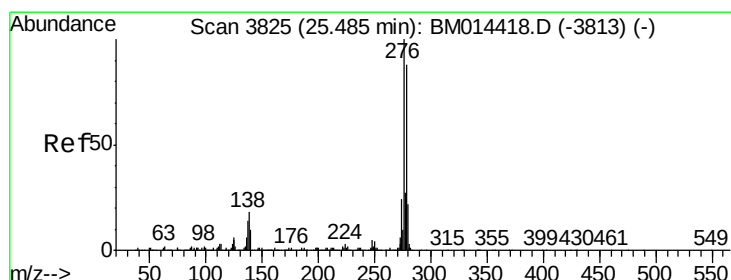
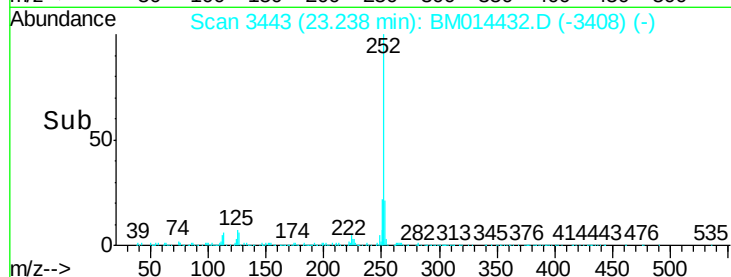
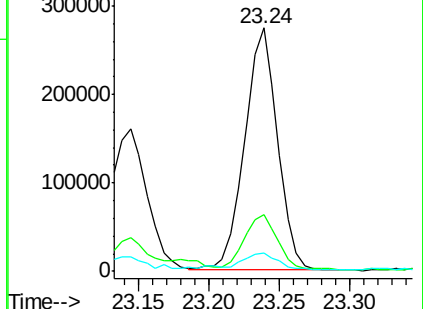
125 7.8 4.0 6.0#



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: 6.691 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

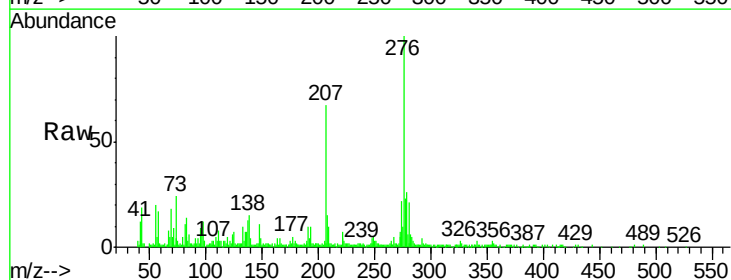
Tgt Ion:276 Resp: 248722

Ion Ratio Lower Upper

276 100

138 14.6 9.3 13.9#

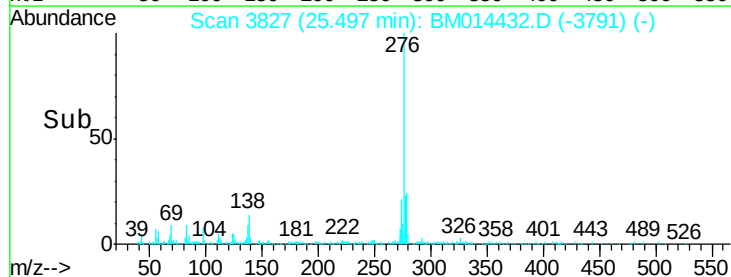
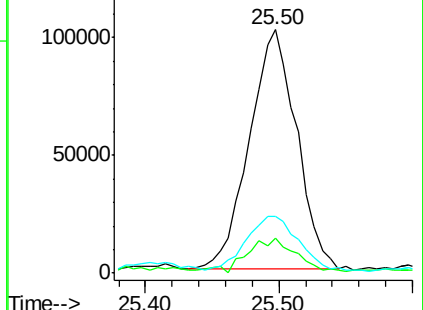
277 23.2 19.9 29.9

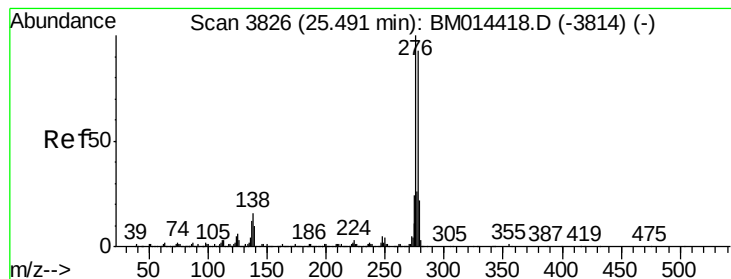


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.365 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

Instrument :

BNA_M

ClientSampleId :

BE5T2

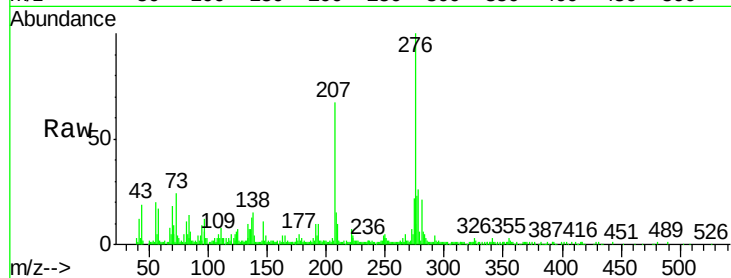
Tot Ion:278 Resp: 73044

Ion Ratio Lower Upper

278 100

139 16.4 5.8 8.8#

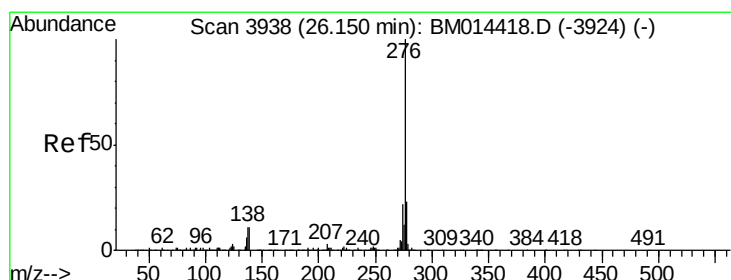
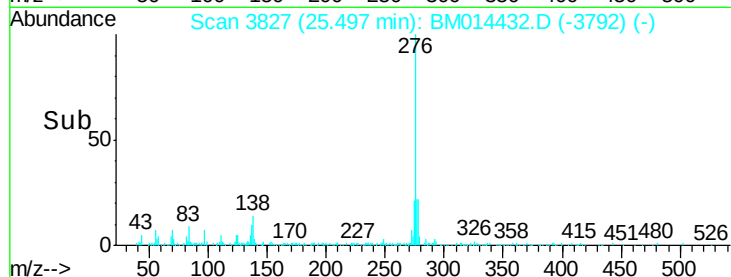
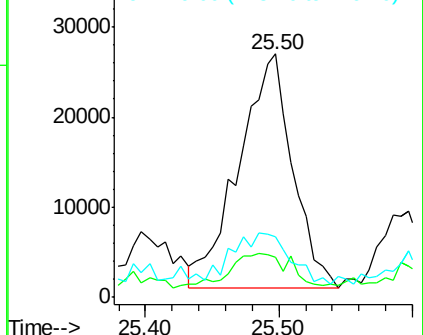
279 24.9 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.537 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.01 min

Lab File: BM014432.D

Acq: 01 Mar 2018 09:56

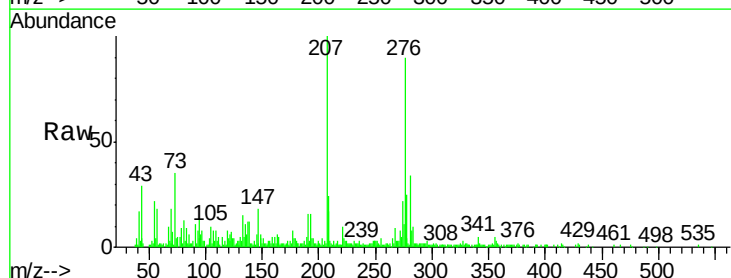
Tgt Ion:276 Resp: 196843

Ion Ratio Lower Upper

276 100

138 13.2 8.5 12.7#

277 27.3 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

