

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014403.D
 Acq On : 28 Feb 2018 14:36
 Operator : SJ/JU
 Sample : J1646-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X2

Quant Time: Feb 28 15:56:18 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 28 12:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	110639	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	460349	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.18	164	263526	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	541965	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	490699	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	481415	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2903	1.12	ng/uL	0.00
5) Phenol-d5	6.73	99	59835	6.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	37966	6.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	53357	7.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	43010	5.26	ng/ul	0.02
19) Nitrobenzene-d5	8.69	128	27067	7.96	ng/ul	0.02
22) 2-Nitrophenol-d4	9.40	143	25355	7.20	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.95	165	46380	6.36	ng/ul	0.02
29) 4-Chloroaniline-d4	10.47	131	21558	3.00	ng/ul	0.02
43) Dimethylphthalate-d6	13.60	166	166980	7.67	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	213110	7.94	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	4740	1.58	ng/ul	0.06
57) Fluorene-d10	15.19	176	140768	7.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	1895	0.58	ng/ul	0.02
70) Anthracene-d10	17.04	188	205295	7.85	ng/ul	0.00
76) Pyrene-d10	19.35	212	212340	8.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	189445	8.09	ng/ul	0.00

Target Compounds

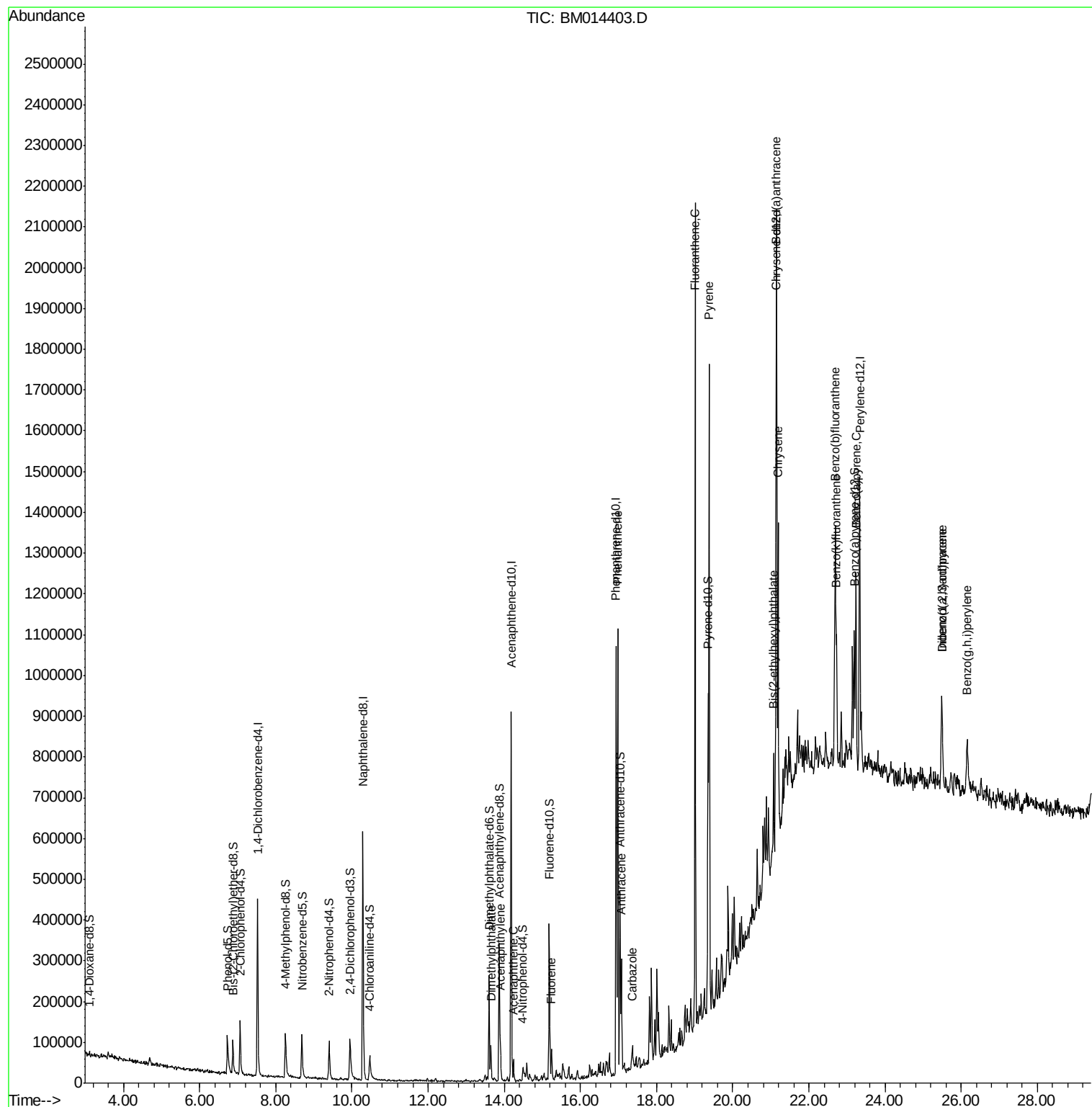
					Ovalue	
44) Dimethylphthalate	13.65	163	47527	2.215	ng/ul	99
47) Acenaphthylene	13.90	152	68901	2.716	ng/ul	98
49) Acenaphthene	14.24	153	18571	1.040	ng/ul	95
58) Fluorene	15.24	166	28140	1.217	ng/ul	90
69) Phenanthrene	16.98	178	604004	19.343	ng/ul	98
71) Anthracene	17.07	178	155150	4.941	ng/ul	97
72) Carbazole	17.36	167	31322	1.186	ng/ul#	83
74) Fluoranthene	19.02	202	1098747	29.452	ng/ul#	93
77) Pyrene	19.38	202	915816	28.083	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	460663	15.042	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.07	149	75076	3.888	ng/ul#	98
82) Chrysene	21.19	228	376400	13.175	ng/ul	96
85) Benzo(b)fluoranthene	22.68	252	441117	13.685	ng/ul#	97
86) Benzo(k)fluoranthene	22.72	252	173273	5.654	ng/ul#	95
88) Benzo(a)pyrene	23.24	252	333317	11.572	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.50	276	192138	6.874	ng/ul	95
90) Dibenzo(a,h)anthracene	25.50	278	57095	2.458	ng/ul#	93
91) Benzo(g,h,i)perylene	26.16	276	136011	6.007	ng/ul#	94

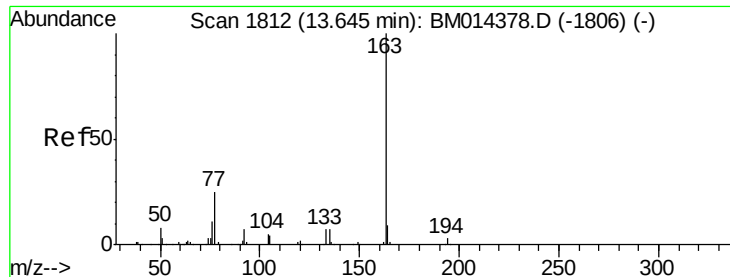
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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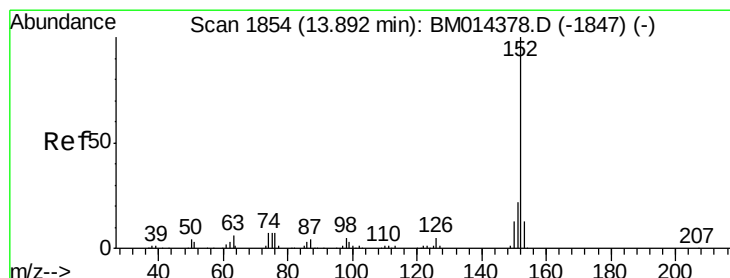
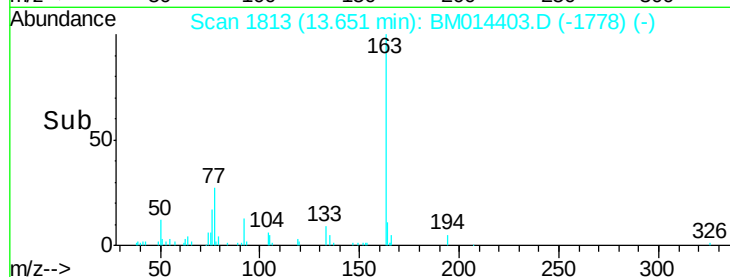
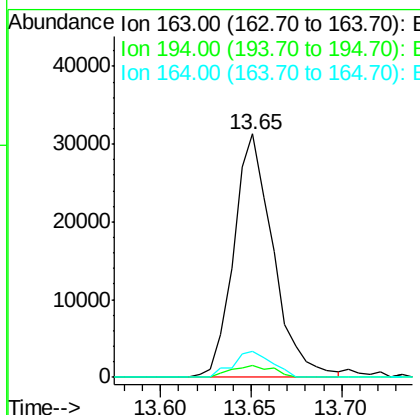
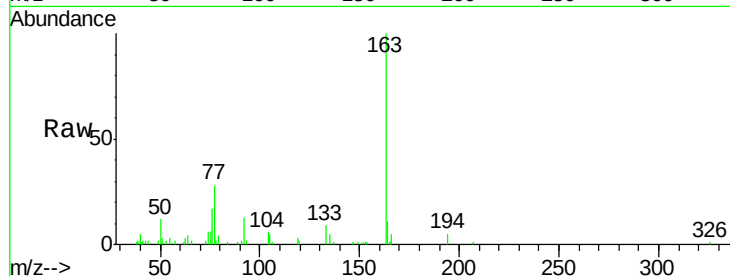




#44
Dimethylphthalate
Concen: 2.215 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014403.D
Acq: 28 Feb 2018 14:36

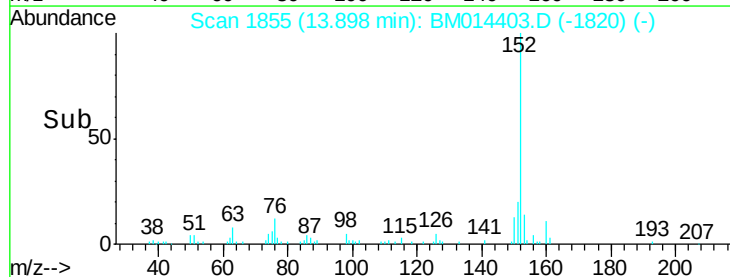
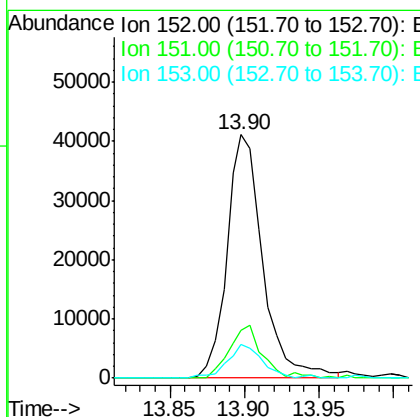
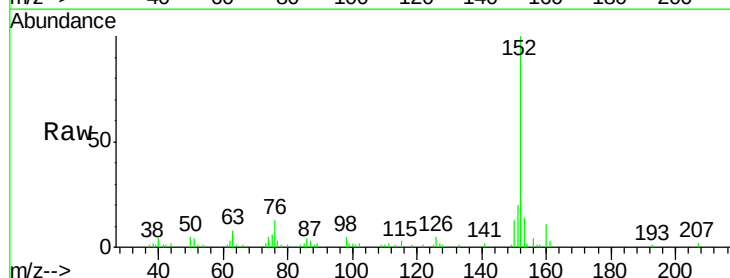
Instrument :
BNA_M
ClientSampleId :
BE5X2

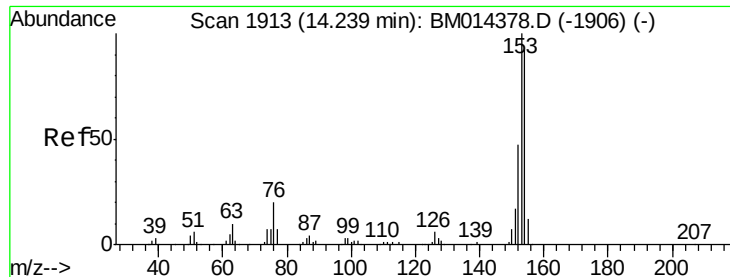
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.5	5.3
164	10.7	8.2	12.4



#47
Acenaphthylene
Concen: 2.716 ng/ul
RT: 13.90 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BM014403.D
Acq: 28 Feb 2018 14:36

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	13.9	10.2	15.4





#49

Acenaphthene

Concen: 1.040 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

Instrument :

BNA_M

ClientSampleId :

BE5X2

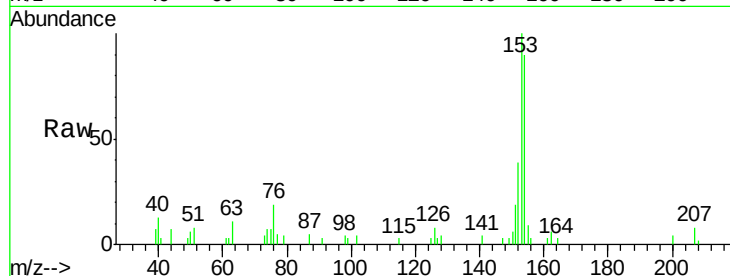
Tot Ion:153 Resp: 18571

Ion Ratio Lower Upper

153 100

152 38.9 37.6 56.4

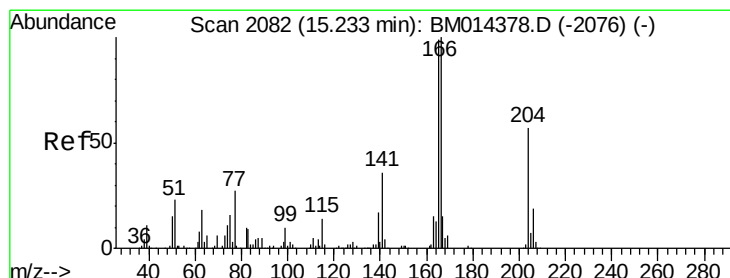
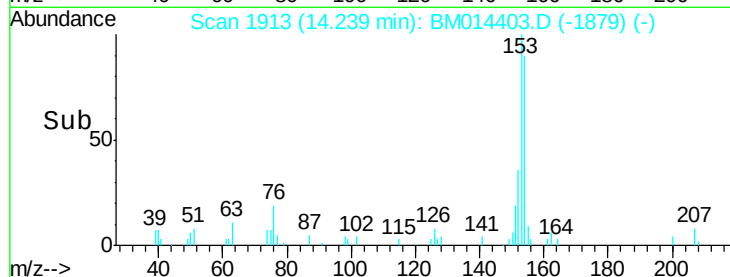
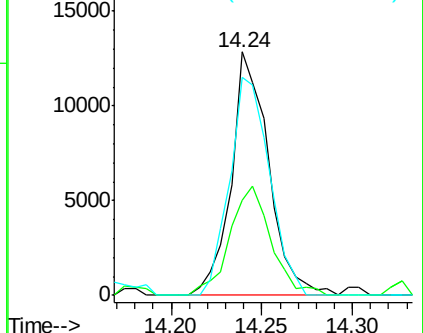
154 89.8 70.4 105.6



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



#58

Fluorene

Concen: 1.217 ng/ul

RT: 15.24 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

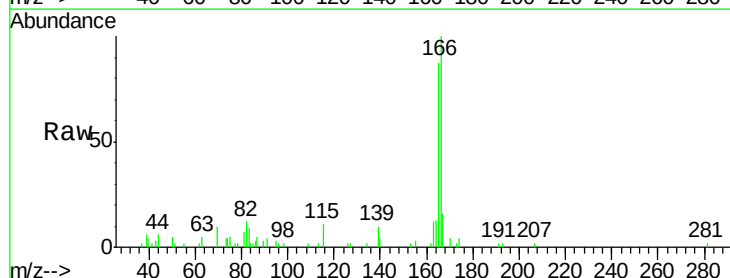
Tgt Ion:166 Resp: 28140

Ion Ratio Lower Upper

166 100

165 87.1 77.9 116.9

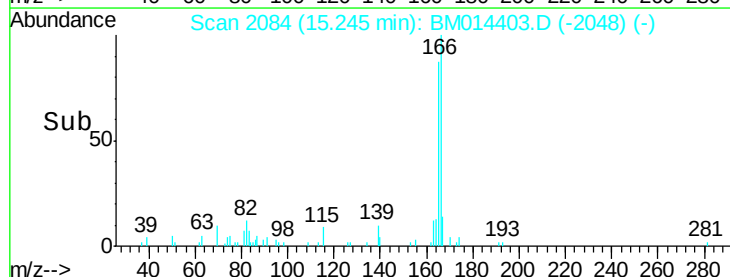
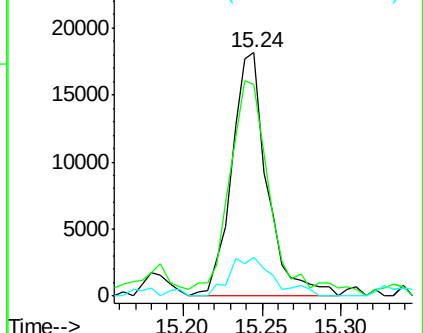
167 15.7 10.6 16.0

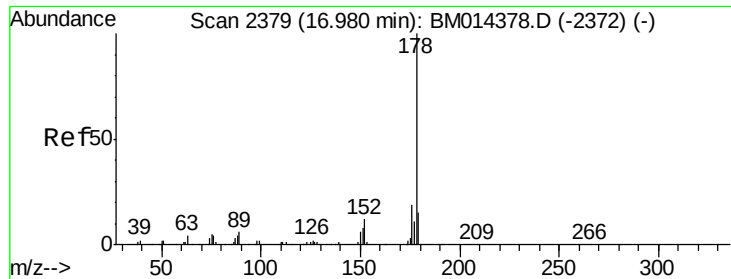


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 19.343 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. -0.00 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

Instrument :

BNA_M

ClientSampleId :

BE5X2

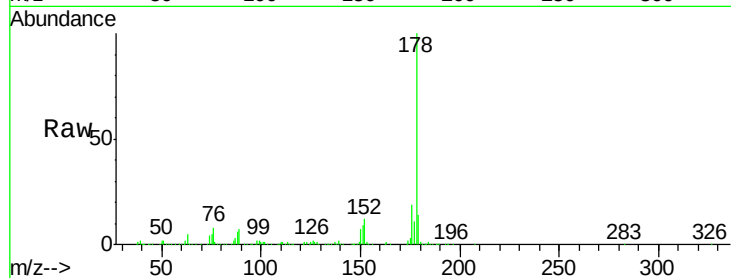
Tot Ion:178 Resp: 604004

Ion Ratio Lower Upper

178 100

179 14.3 12.6 19.0

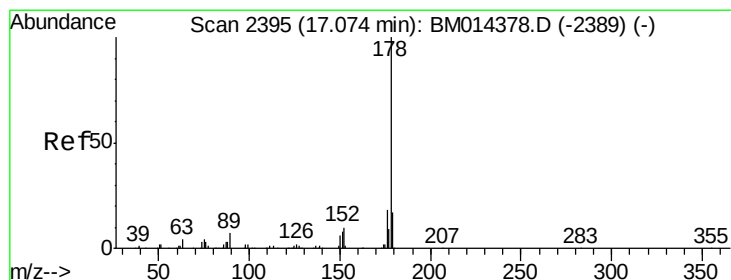
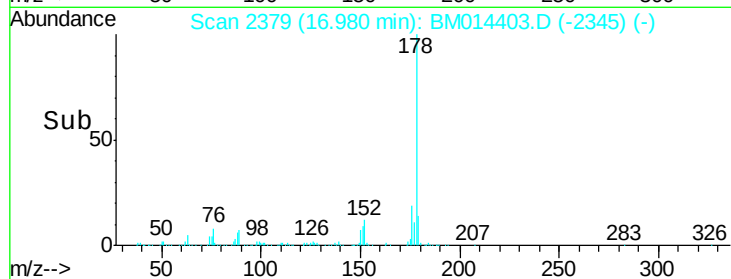
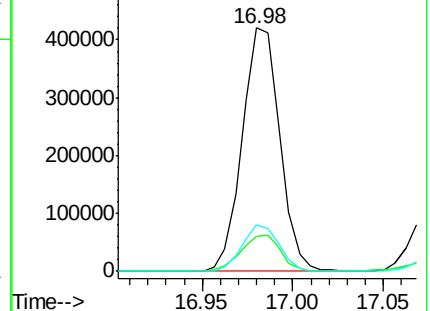
176 19.3 14.9 22.3



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: 4.941 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

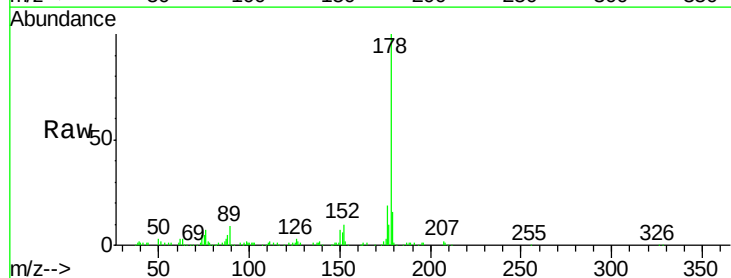
Tgt Ion:178 Resp: 155150

Ion Ratio Lower Upper

178 100

179 16.0 11.7 17.5

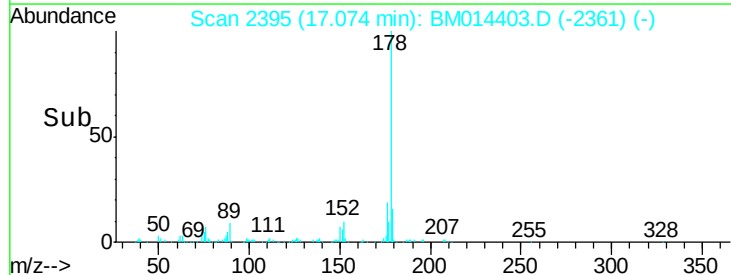
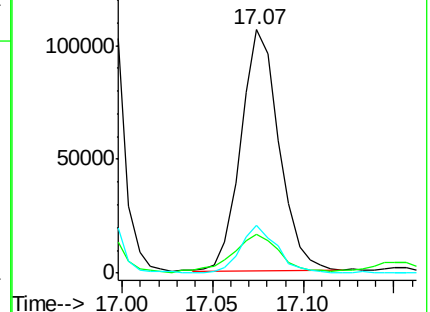
176 19.4 14.6 21.8

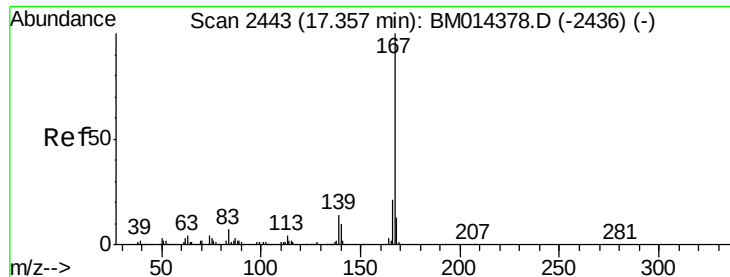


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.186 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

Instrument :

BNA_M

ClientSampleId :

BE5X2

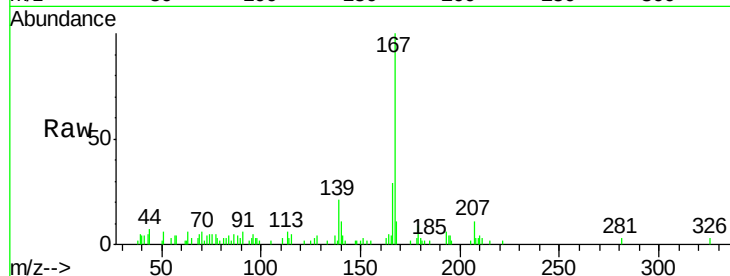
Tot Ion:167 Resp: 31322

Ion Ratio Lower Upper

167 100

166 28.7 17.1 25.7#

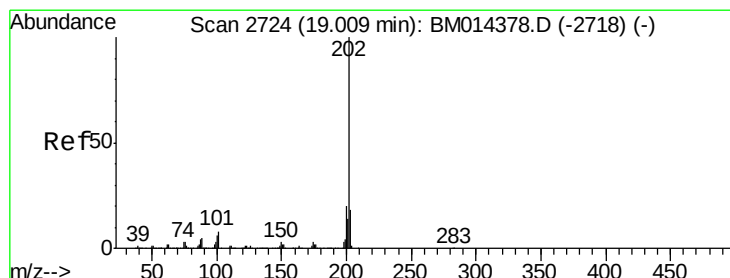
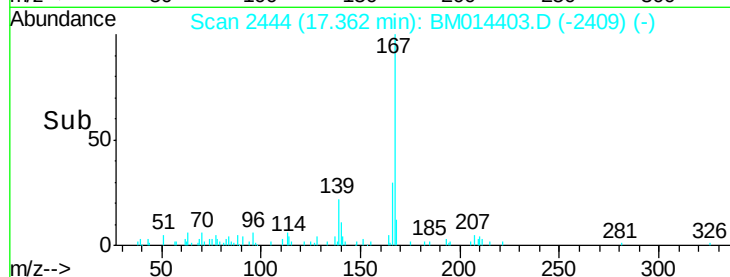
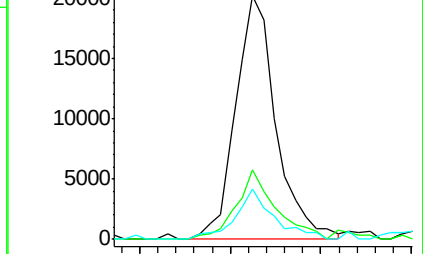
139 20.7 10.0 15.0#



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: 29.452 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

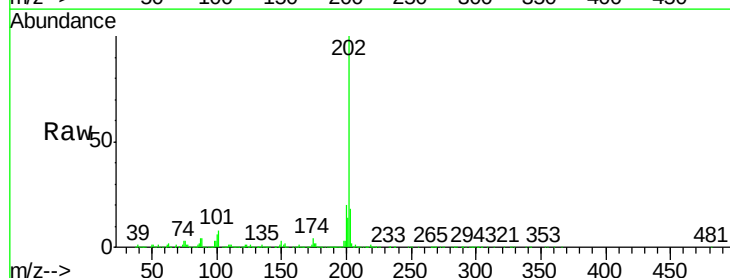
Tgt Ion:202 Resp: 1098747

Ion Ratio Lower Upper

202 100

101 8.1 4.6 7.0#

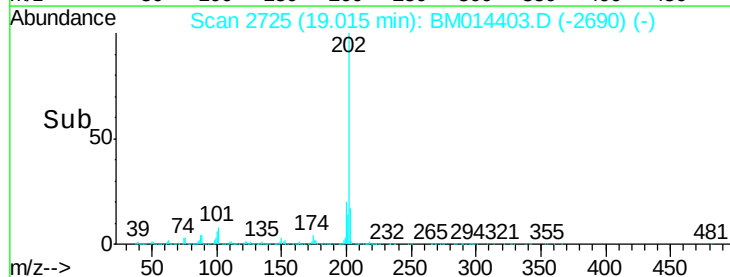
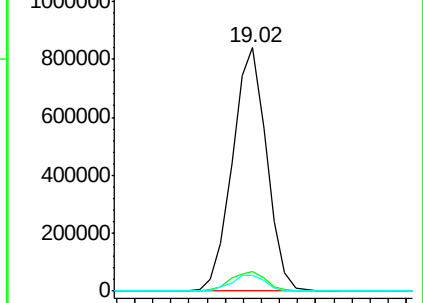
100 6.3 3.4 5.2#

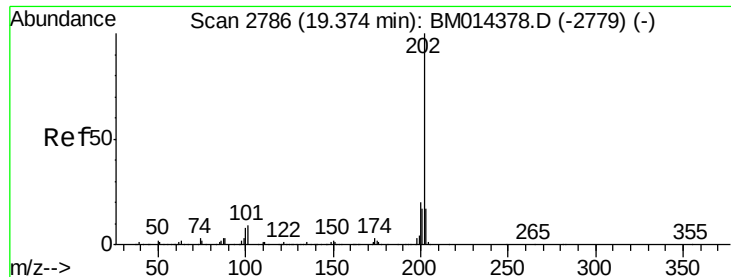


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 28.083 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014403.D

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Instrument :

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ClientSampleId :

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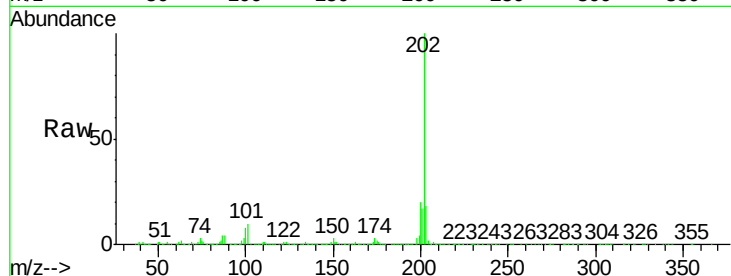
Tot Ion:202 Resp: 915816

Ion Ratio Lower Upper

202 100

101 9.9 5.1 7.7#

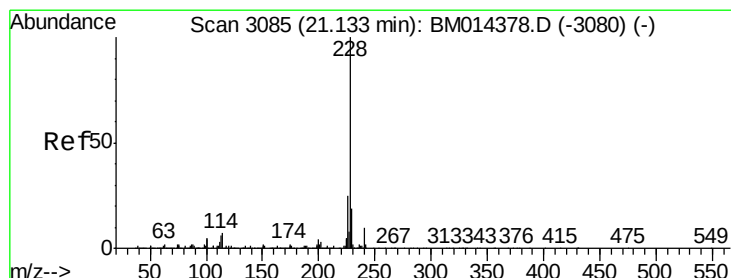
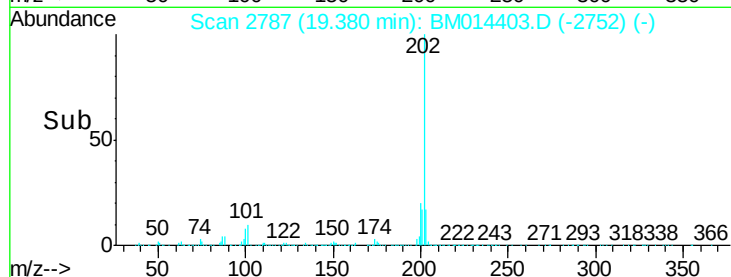
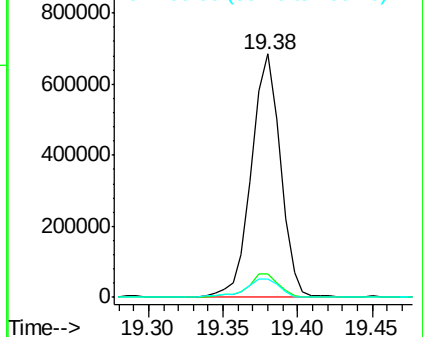
100 7.6 4.9 7.3#



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: 15.042 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

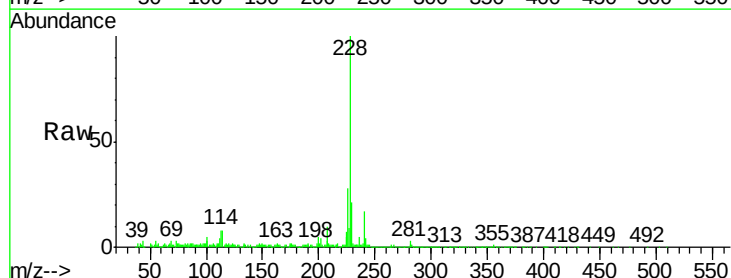
Tgt Ion:228 Resp: 460663

Ion Ratio Lower Upper

228 100

229 20.8 15.4 23.0

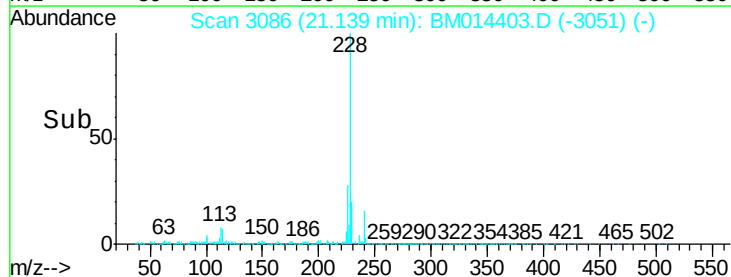
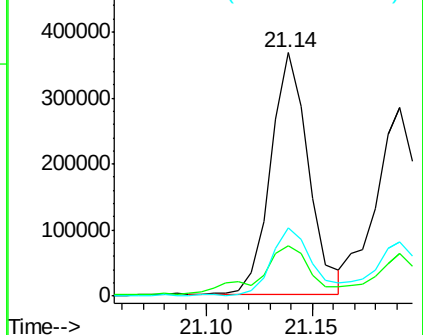
226 28.1 21.4 32.0

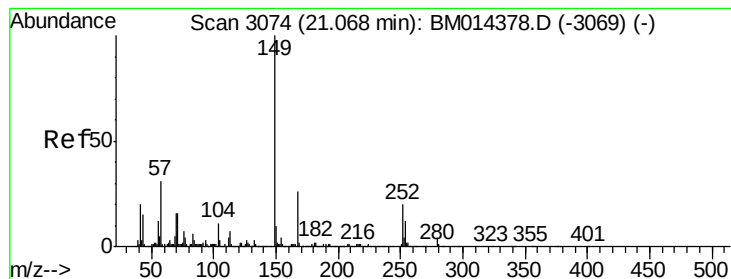


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 3.888 ng/ul

RT: 21.07 min Scan# 3074

Delta R.T. -0.00 min

Lab File: BM014403.D

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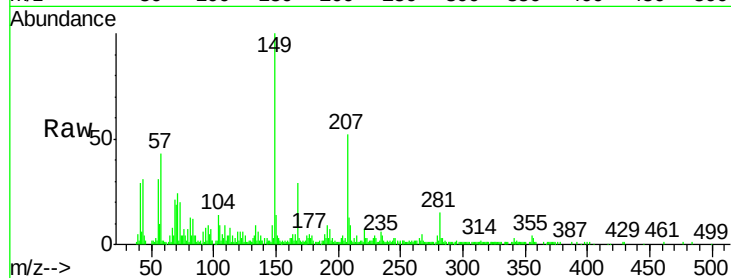
Tot Ion:149 Resp: 75076

Ion Ratio Lower Upper

149 100

167 29.3 22.8 34.2

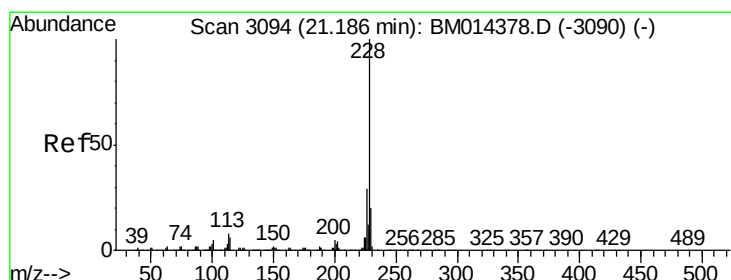
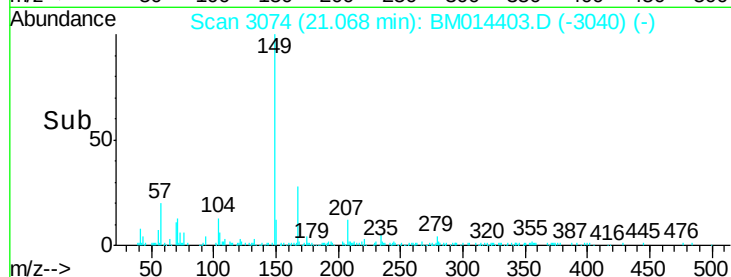
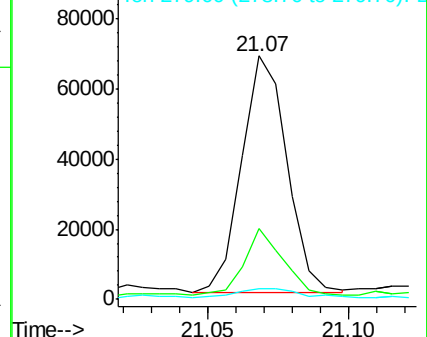
279 4.2 4.9 7.3#



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: 13.175 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

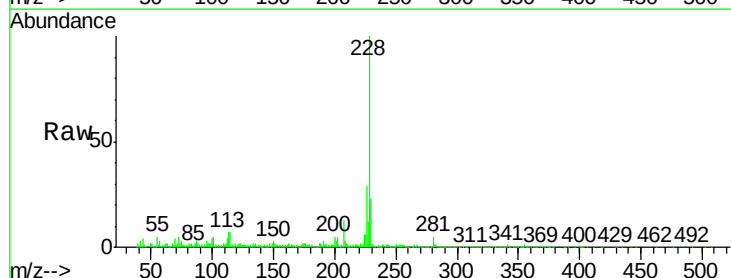
Tgt Ion:228 Resp: 376400

Ion Ratio Lower Upper

228 100

226 28.7 23.4 35.2

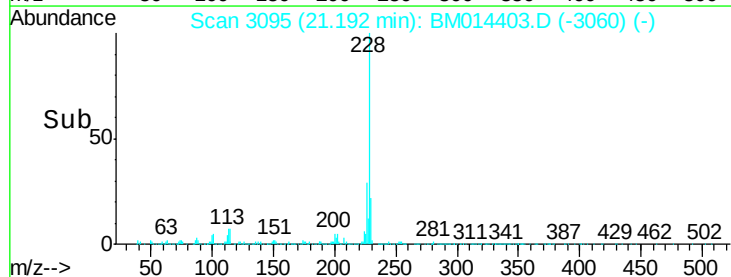
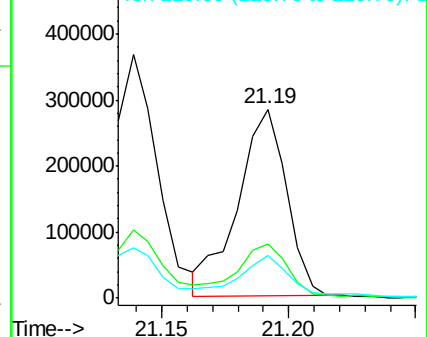
229 22.9 15.5 23.3

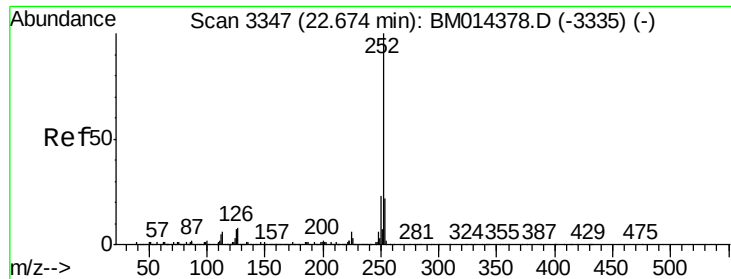


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 13.685 ng/ul

RT: 22.68 min Scan# 3348

Delta R.T. 0.01 min

Lab File: BM014403.D

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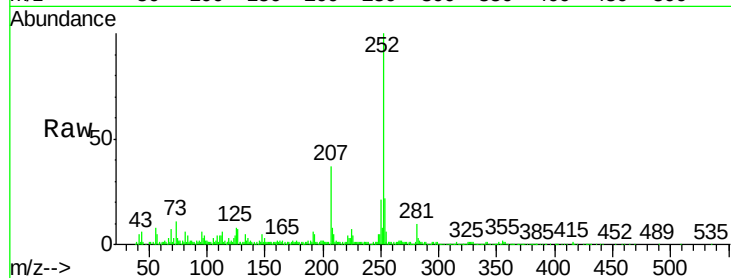
Tot Ion:252 Resp: 441117

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

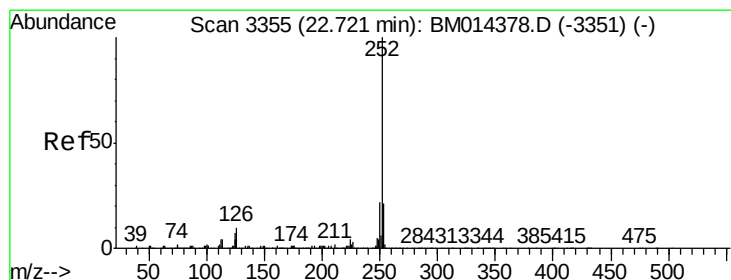
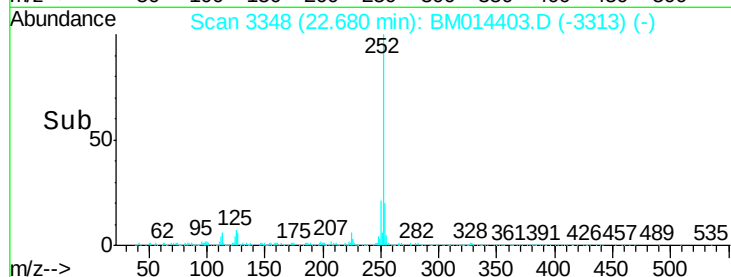
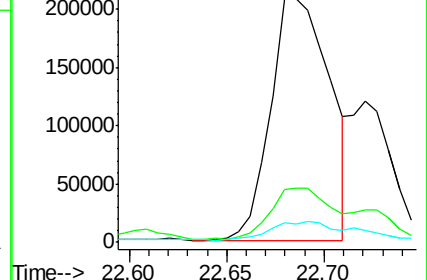
125 8.0 3.6 5.4#



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: 5.654 ng/ul

RT: 22.72 min Scan# 3355

Delta R.T. -0.00 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

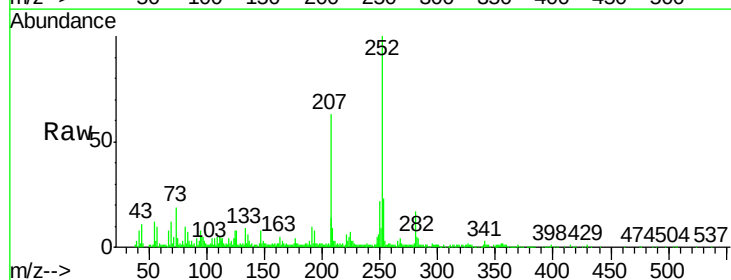
Tgt Ion:252 Resp: 173273

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

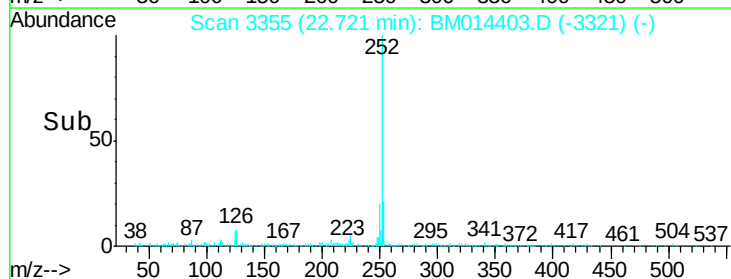
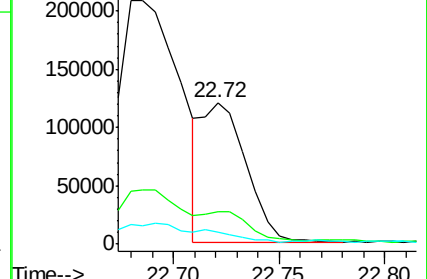
125 8.5 3.4 5.2#

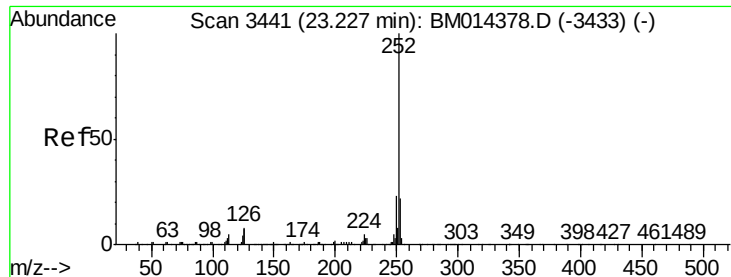


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.572 ng/ul

RT: 23.24 min Scan# 3443

Delta R.T. 0.01 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

Instrument :

BNA_M

ClientSampleId :

BE5X2

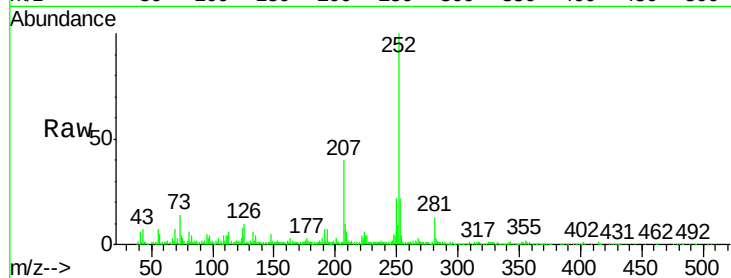
Tot Ion:252 Resp: 333317

Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

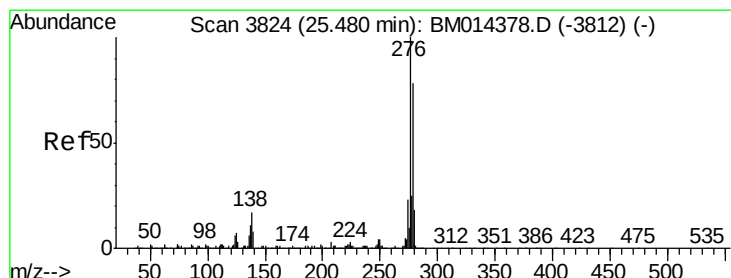
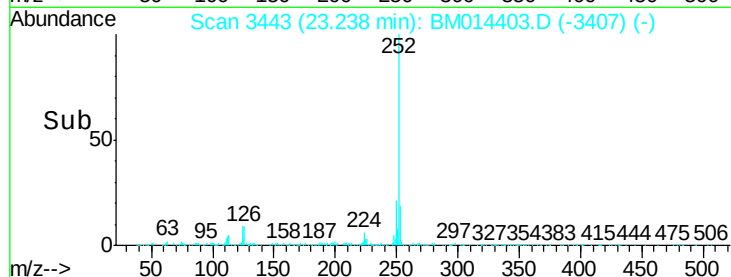
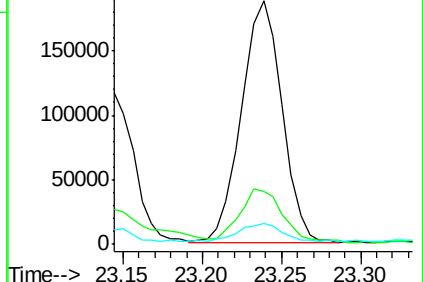
125 8.4 4.0 6.0#



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: 6.874 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.02 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

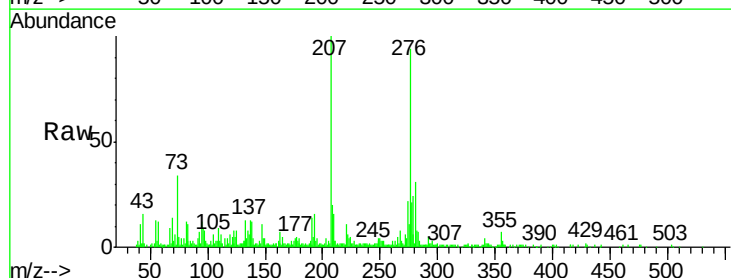
Tgt Ion:276 Resp: 192138

Ion Ratio Lower Upper

276 100

138 13.0 9.3 13.9

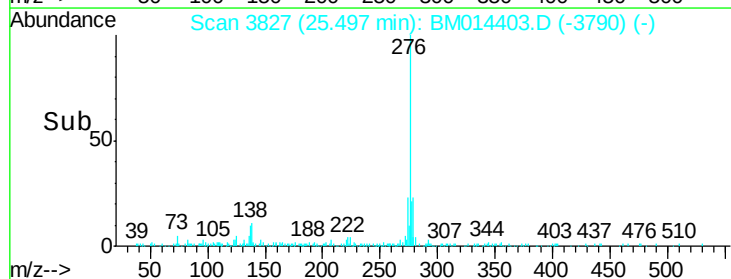
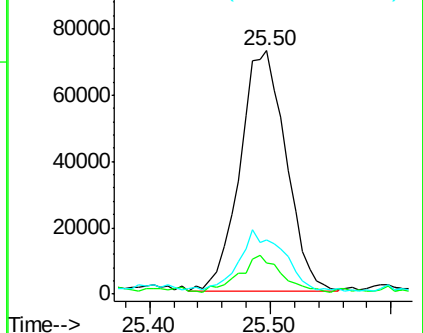
277 22.1 19.9 29.9

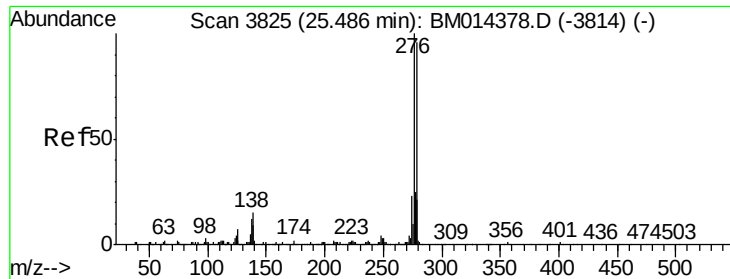


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.458 ng/ul

RT: 25.50 min Scan# 3827

Delta R.T. 0.01 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

Instrument :

BNA_M

ClientSampleId :

BE5X2

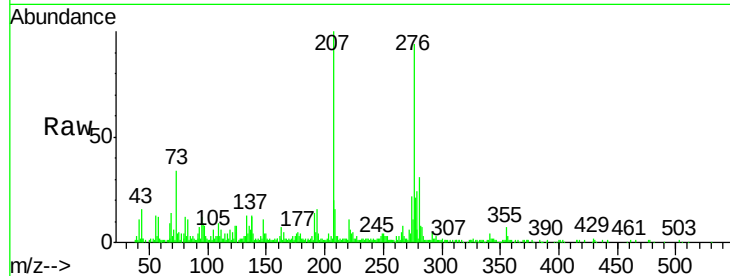
Tot Ion:278 Resp: 57095

Ion Ratio Lower Upper

278 100

139 18.0 5.8 8.8#

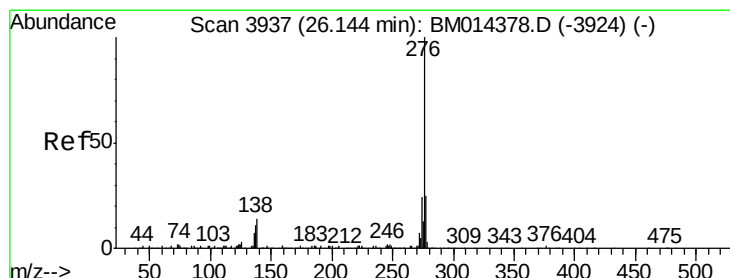
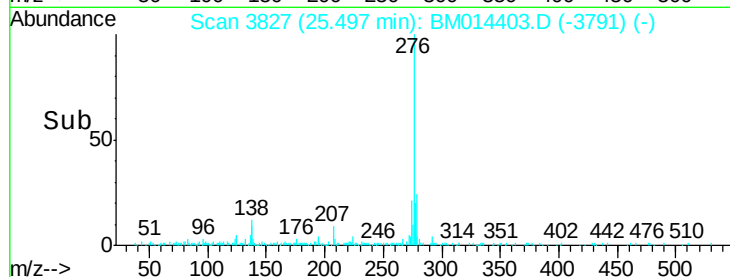
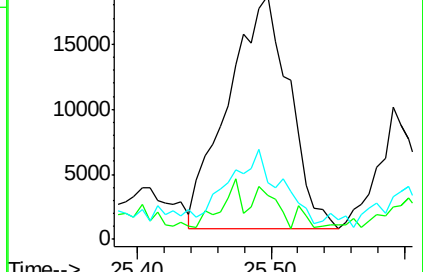
279 23.2 18.6 27.8



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: 6.007 ng/ul

RT: 26.16 min Scan# 3940

Delta R.T. 0.02 min

Lab File: BM014403.D

Acq: 28 Feb 2018 14:36

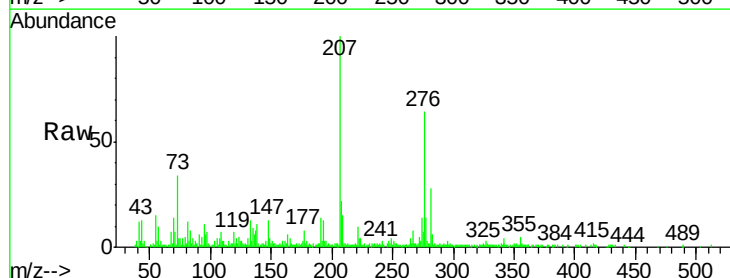
Tgt Ion:276 Resp: 136011

Ion Ratio Lower Upper

276 100

138 16.4 8.5 12.7#

277 22.3 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

