

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
 Data File : BM014431.D
 Acq On : 01 Mar 2018 09:19
 Operator : SJ/JU
 Sample : J1679-05
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE610

Quant Time: Mar 01 11:32:04 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	148201	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	679350	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	401806	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	871963	20.00	ng/ul	0.00
75) Chrysene-d12	21.15	240	792210	20.00	ng/ul	0.00
83) Perylene-d12	23.33	264	608248	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	9111	2.63	ng/uL	0.00
5) Phenol-d5	6.72	99	215671	17.22	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	130836	17.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	179396	18.68	ng/ul	0.00
13) 4-Methylphenol-d8	8.24	113	179226	16.35	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	90186	17.96	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	95933	18.46	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	171413	15.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	153456	14.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	608236	18.33	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	790517	19.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	59721	13.04	ng/ul	0.03
57) Fluorene-d10	15.18	176	510127	17.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	12518	2.39	ng/ul	0.01
70) Anthracene-d10	17.03	188	760629	18.08	ng/ul	0.00
76) Pyrene-d10	19.35	212	824872	20.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.19	264	534418	18.05	ng/ul	0.00

Target Compounds

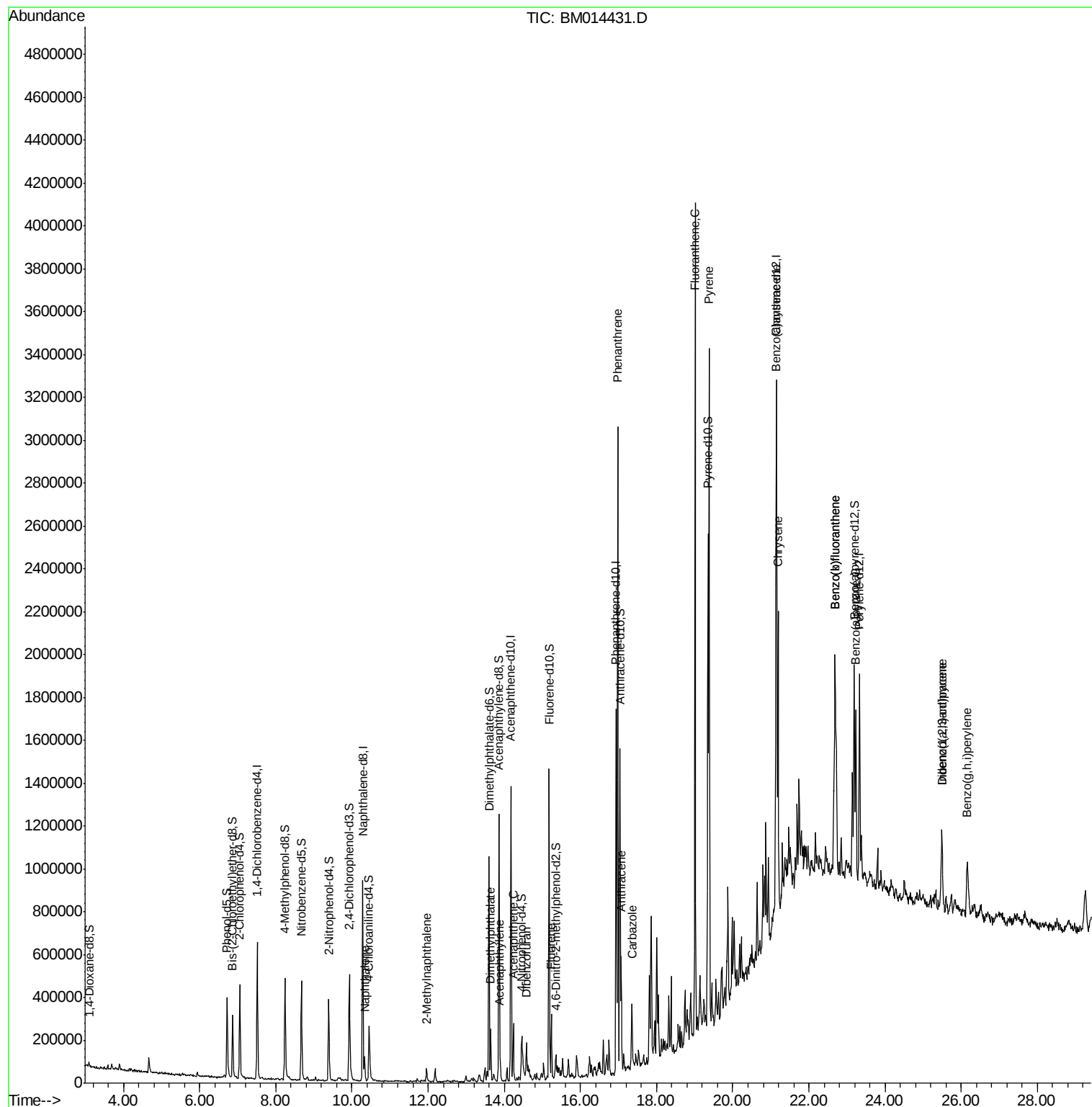
					Ovalue	
28) Naphthalene	10.33	128	80240	2.300	ng/ul#	94
34) 2-Methylnaphthalene	11.96	142	30174	1.136	ng/ul	94
44) Dimethylphthalate	13.65	163	130396	3.985	ng/ul	97
47) Acenaphthylene	13.89	152	48569	1.256	ng/ul	99
49) Acenaphthene	14.24	153	96848	3.556	ng/ul	96
53) Dibenzofuran	14.58	168	78097	1.913	ng/ul	92
58) Fluorene	15.24	166	119194	3.381	ng/ul	96
69) Phenanthrene	16.98	178	1624749	32.340	ng/ul	99
71) Anthracene	17.07	178	298835	5.915	ng/ul	100
72) Carbazole	17.36	167	167937	3.953	ng/ul	98
74) Fluoranthene	19.01	202	2074713	34.566	ng/ul#	92
77) Pyrene	19.38	202	1765523	33.534	ng/ul#	94
80) Benzo(a)anthracene	21.14	228	830213	16.792	ng/ul	96
82) Chrysene	21.19	228	756192	16.395	ng/ul	95
85) Benzo(b)fluoranthene	22.69	252	751160	18.444	ng/ul#	95
86) Benzo(k)fluoranthene	22.69	252	751160	19.399	ng/ul#	94
88) Benzo(a)pyrene	23.23	252	507720	13.951	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.49	276	299795	8.489	ng/ul#	98
90) Dibenzo(a,h)anthracene	25.49	278	44426	1.514	ng/ul#	82
91) Benzo(g,h,i)perylene	26.16	276	262525	9.176	ng/ul#	97

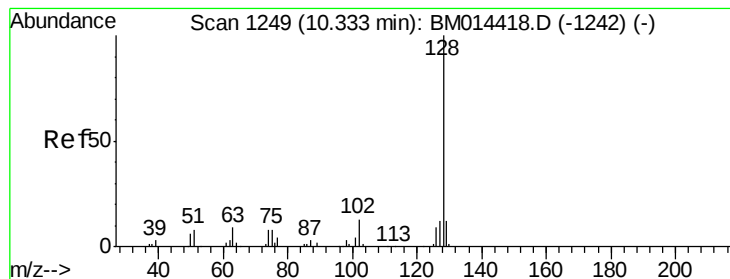
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 2.300 ng/ul

RT: 10.33 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

BNA_M

ClientSampleId :

BE610

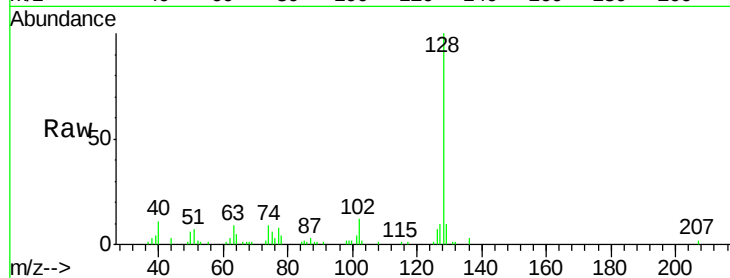
Tot Ion:128 Resp: 80240

Ion Ratio Lower Upper

128 100

129 9.9 8.8 13.2

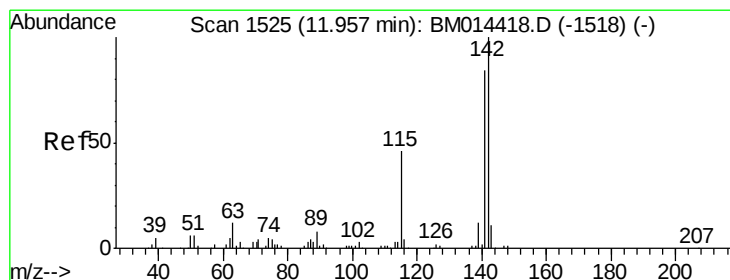
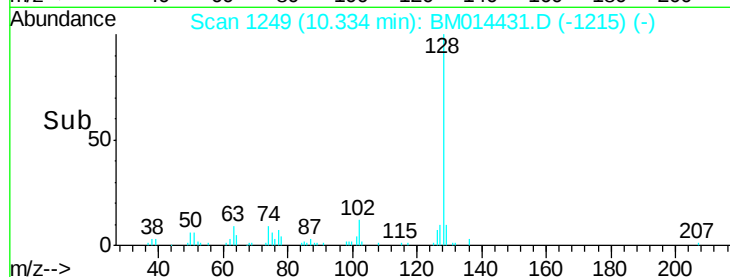
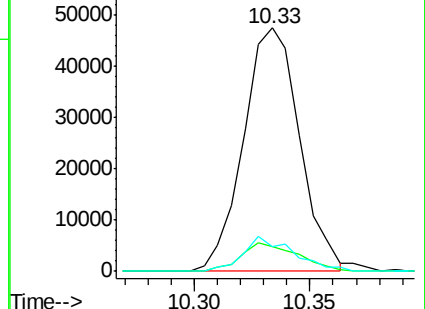
127 10.0 10.6 16.0#



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: 1.136 ng/ul

RT: 11.96 min Scan# 1526

Delta R.T. 0.01 min

Lab File: BM014431.D

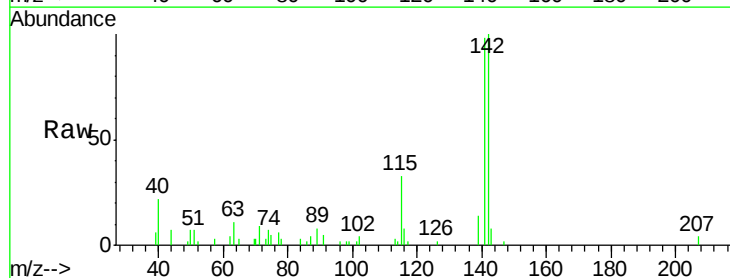
Acq: 01 Mar 2018 09:19

Tgt Ion:142 Resp: 30174

Ion Ratio Lower Upper

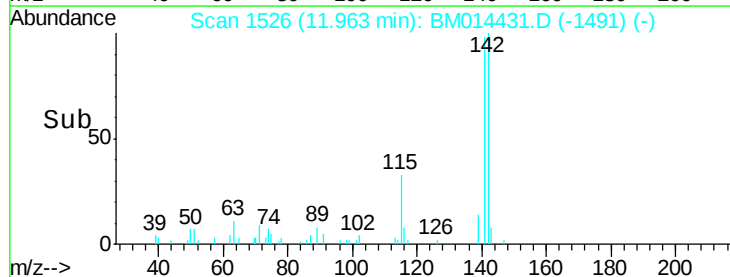
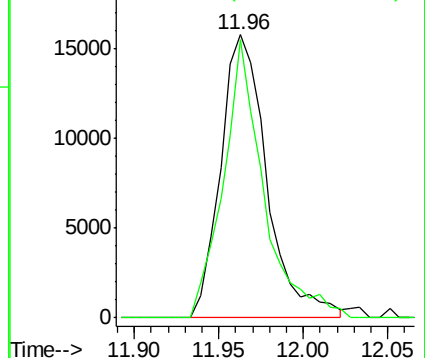
142 100

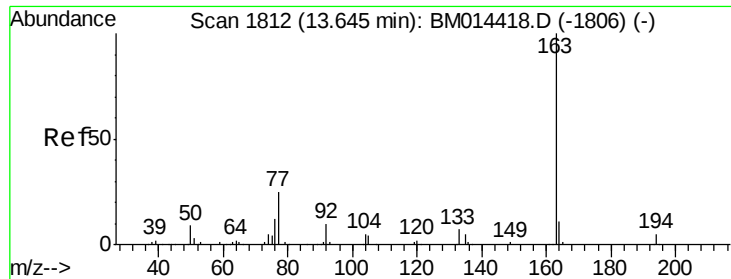
141 98.2 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

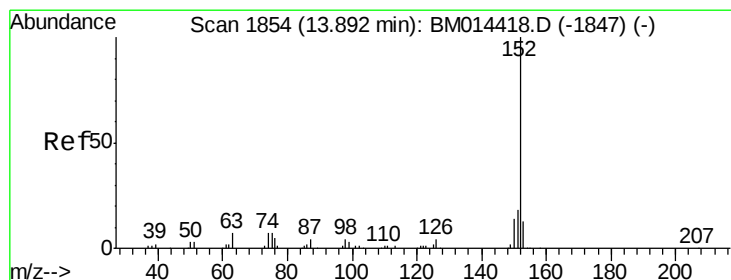
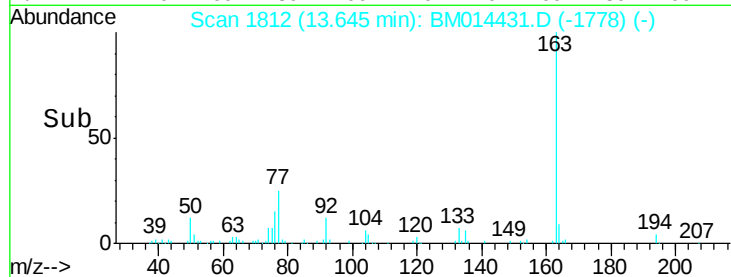
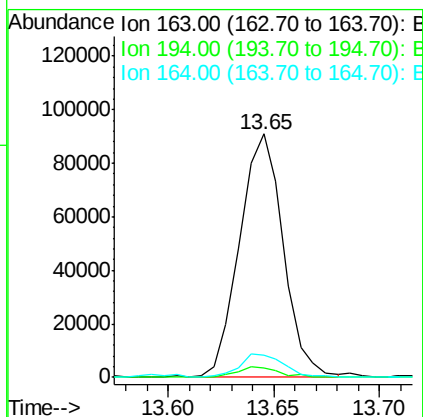
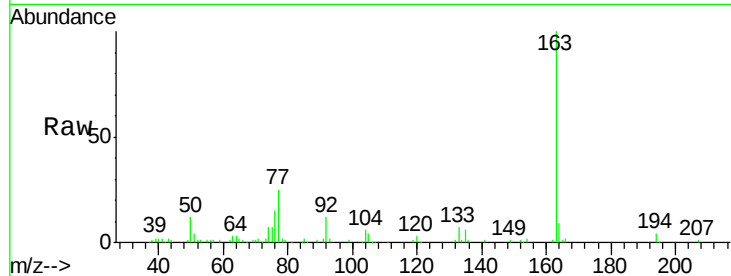




#44
Dimethylphthalate
Concen: 3.985 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014431.D
Acq: 01 Mar 2018 09:19

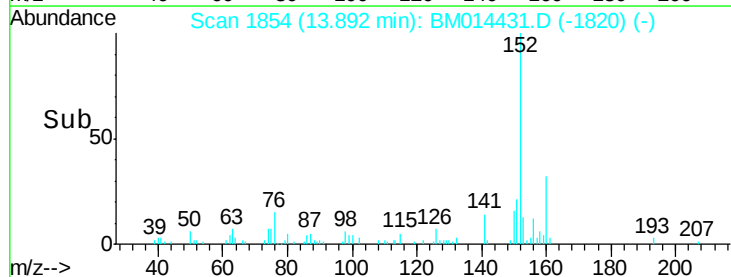
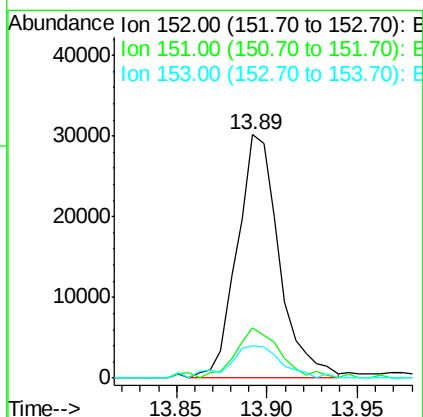
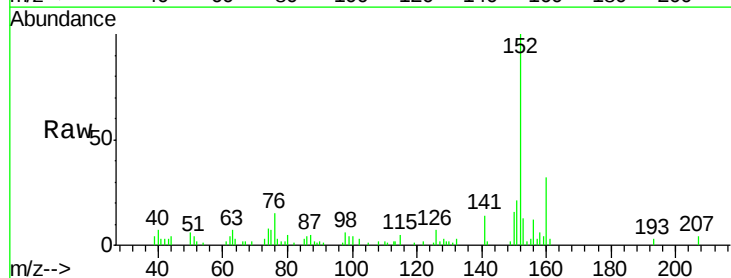
Instrument :
BNA_M
ClientSampleId :
BE610

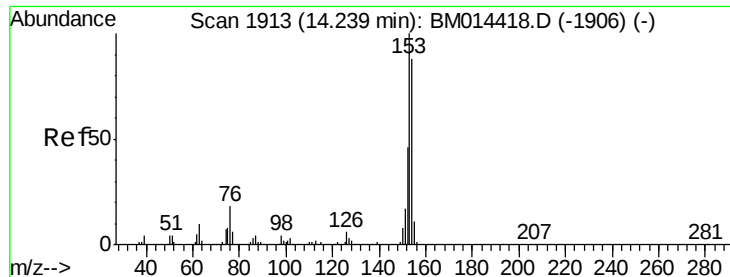
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.5	5.3
164	9.0	8.2	12.4



#47
Acenaphthylene
Concen: 1.256 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014431.D
Acq: 01 Mar 2018 09:19

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	13.4	10.2	15.4





#49

Acenaphthene

Concen: 3.556 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

BNA_M

ClientSampleId :

BE610

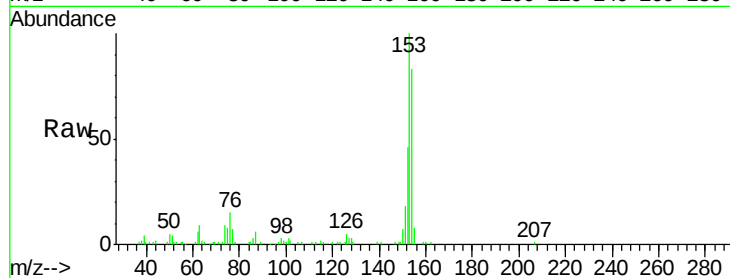
Tot Ion:153 Resp: 96848

Ion Ratio Lower Upper

153 100

152 45.8 37.6 56.4

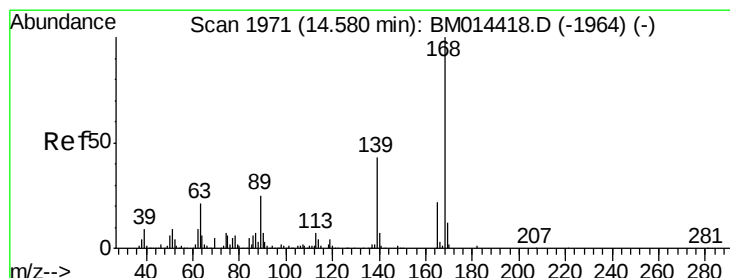
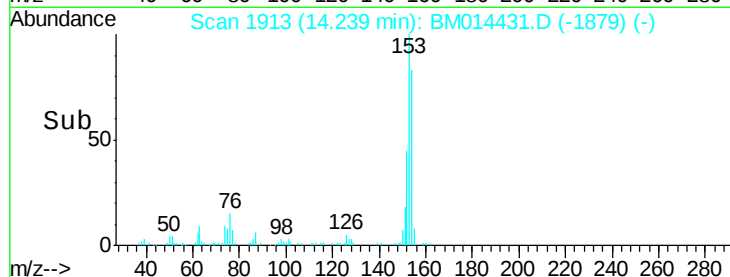
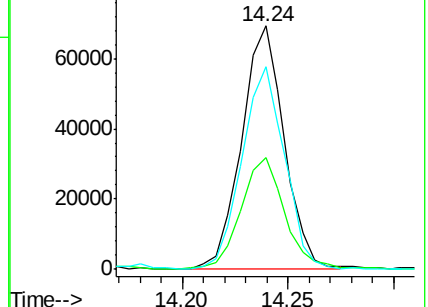
154 83.4 70.4 105.6



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: 1.913 ng/ul

RT: 14.58 min Scan# 1971

Delta R.T. 0.00 min

Lab File: BM014431.D

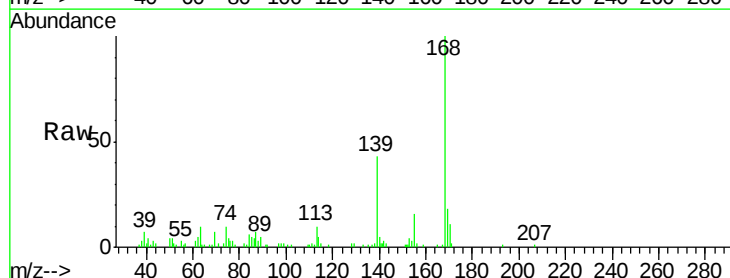
Acq: 01 Mar 2018 09:19

Tgt Ion:168 Resp: 78097

Ion Ratio Lower Upper

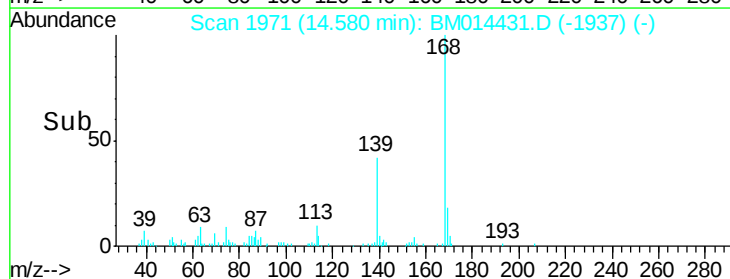
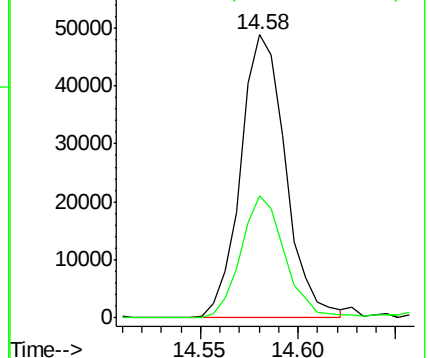
168 100

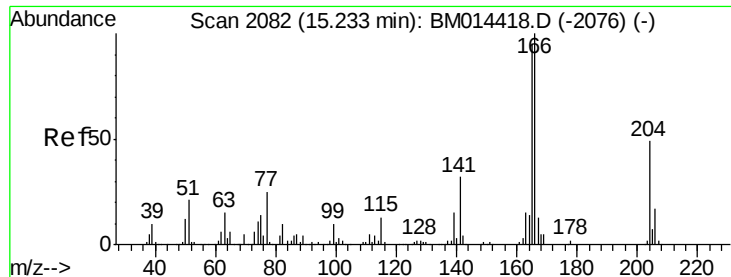
139 43.2 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.381 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.01 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

BNA_M

ClientSampleId :

BE610

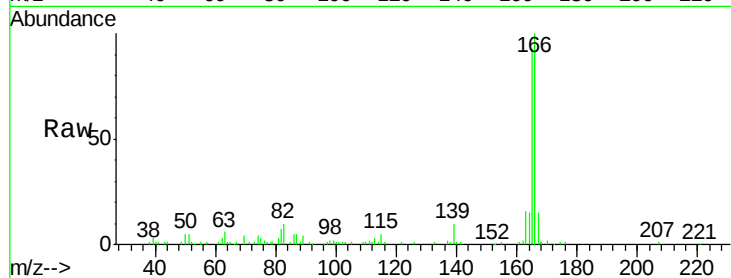
Tot Ion:166 Resp: 119194

Ion Ratio Lower Upper

166 100

165 93.2 77.9 116.9

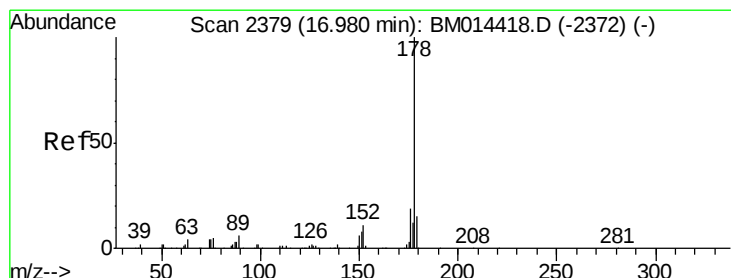
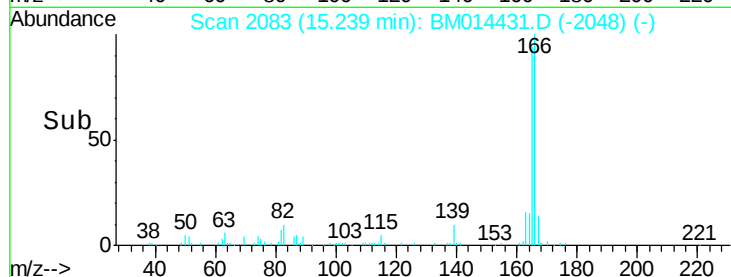
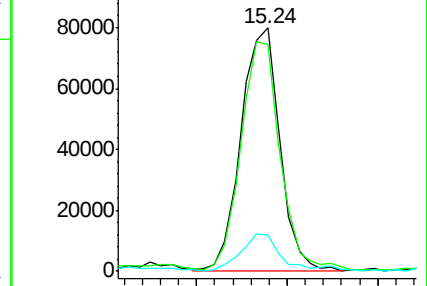
167 14.7 10.6 16.0



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: 32.340 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

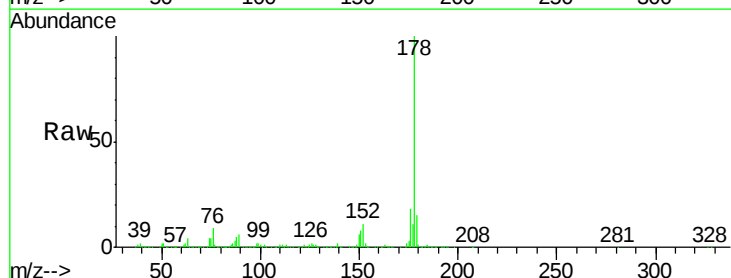
Tgt Ion:178 Resp: 1624749

Ion Ratio Lower Upper

178 100

179 14.9 12.6 19.0

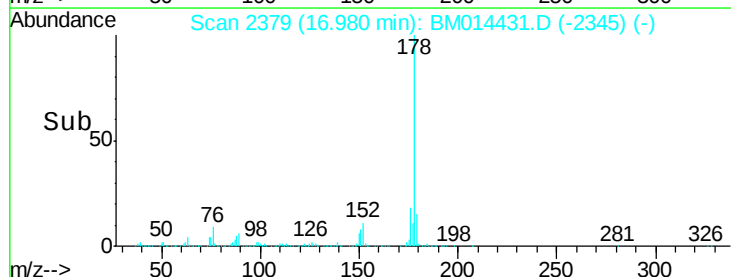
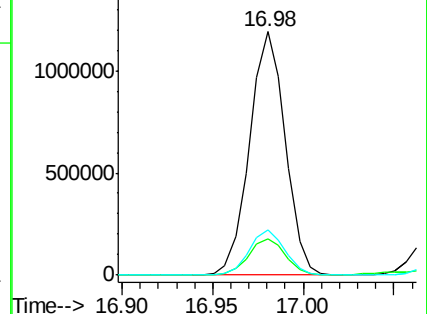
176 18.5 14.9 22.3

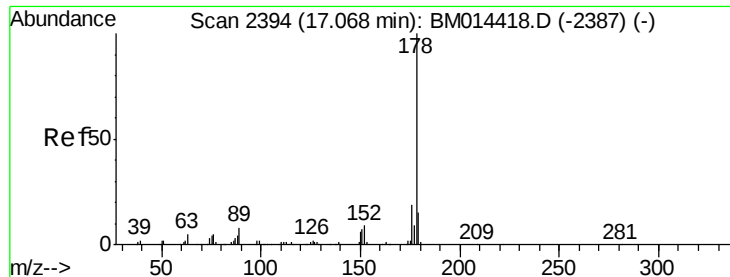


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

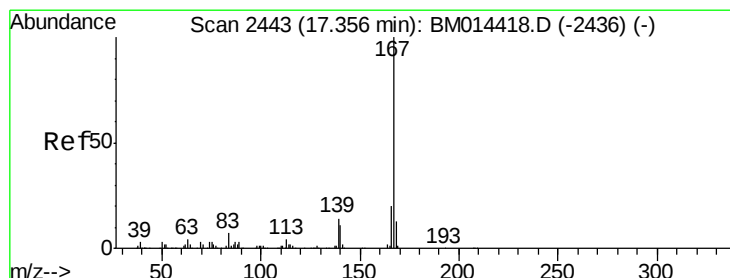
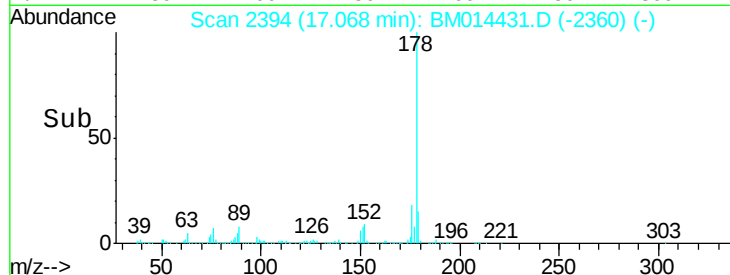
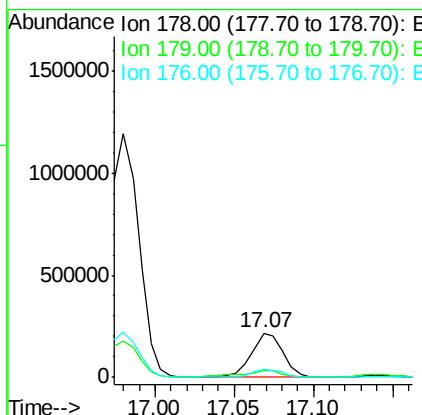
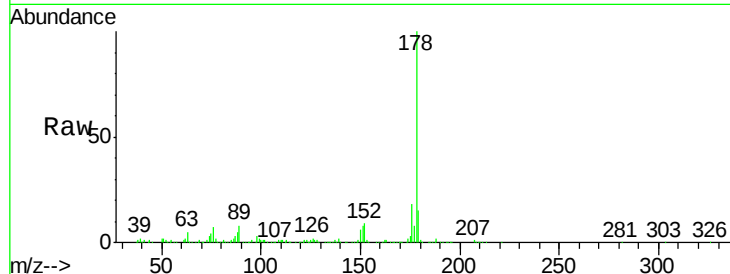




#71
 Anthracene
 Concen: 5.915 ng/ul
 RT: 17.07 min Scan# 2394
 Delta R.T. 0.00 min
 Lab File: BM014431.D
 Acq: 01 Mar 2018 09:19

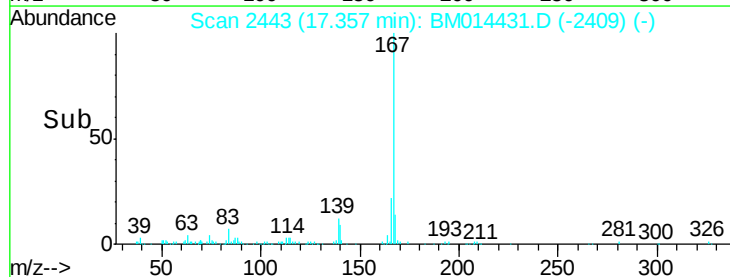
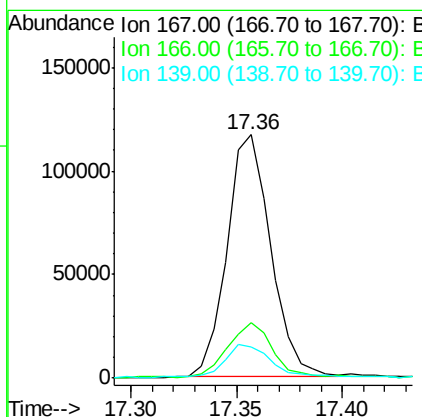
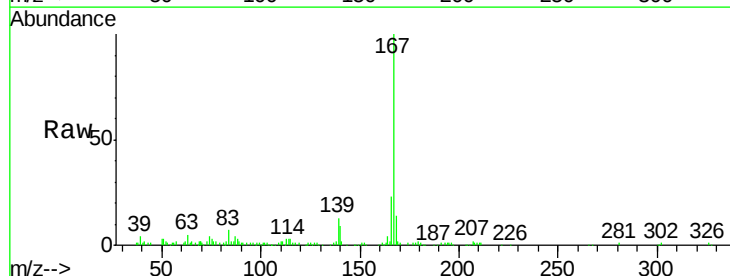
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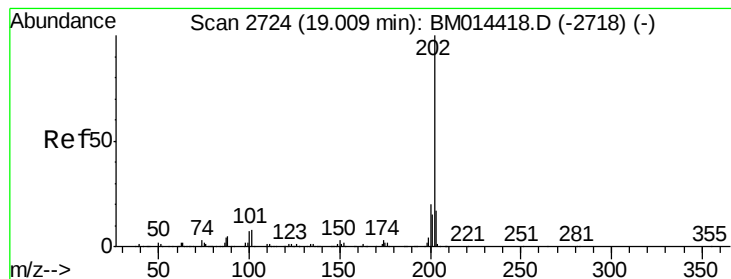
Tot Ion	Ratio	Lower	Upper
178	100		
179	14.8	11.7	17.5
176	18.1	14.6	21.8



#72
 Carbazole
 Concen: 3.953 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014431.D
 Acq: 01 Mar 2018 09:19

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.1	25.7
139	12.8	10.0	15.0





#74

Fluoranthene

Concen: 34.566 ng/ul

RT: 19.01 min Scan# 2724

Delta R.T. 0.00 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

BNA_M

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BE610

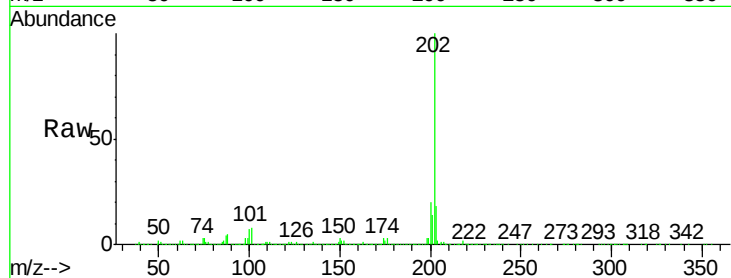
Tot Ion:202 Resp: 2074713

Ion Ratio Lower Upper

202 100

101 8.3 4.6 7.0#

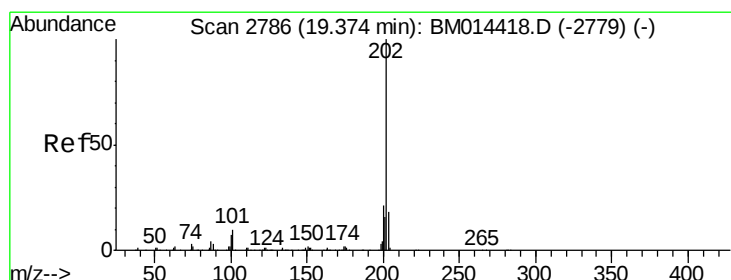
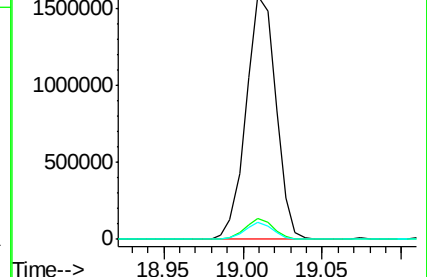
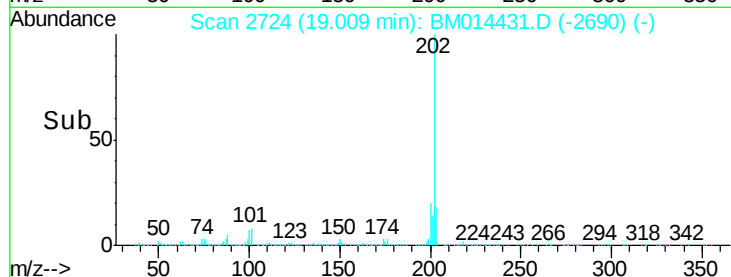
100 6.9 3.4 5.2#



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: 33.534 ng/ul

RT: 19.38 min Scan# 2787

Delta R.T. 0.01 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

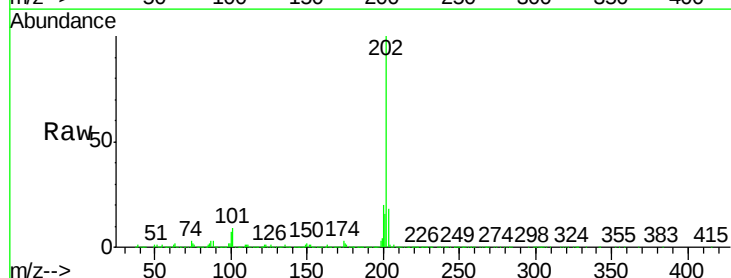
Tgt Ion:202 Resp: 1765523

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

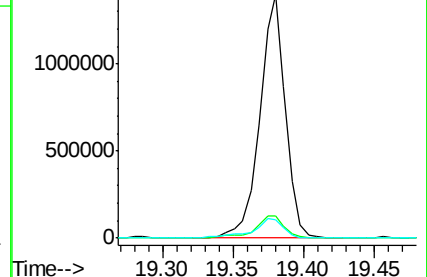
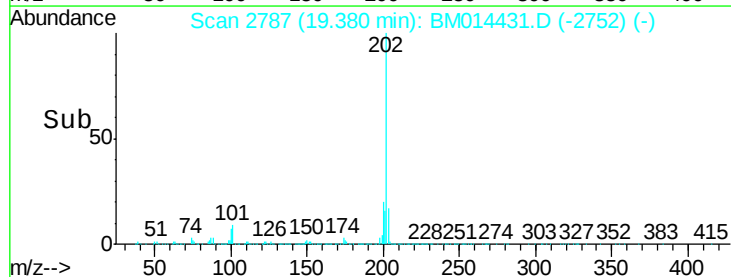
100 7.4 4.9 7.3#

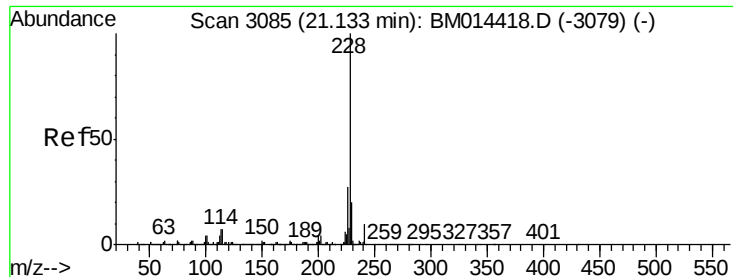


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 16.792 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. 0.01 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

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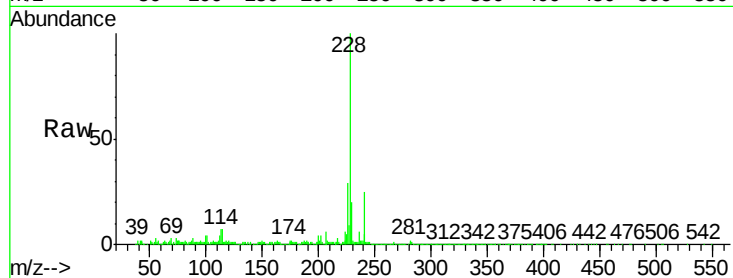
Tot Ion:228 Resp: 830213

Ion Ratio Lower Upper

228 100

229 20.2 15.4 23.0

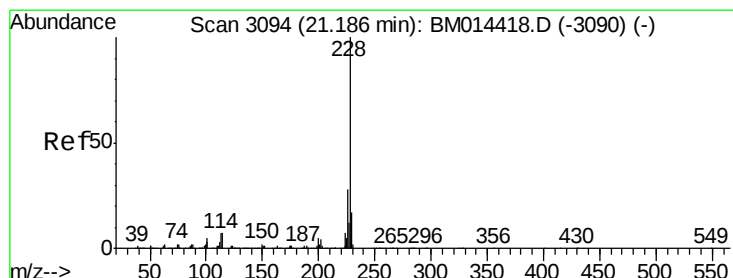
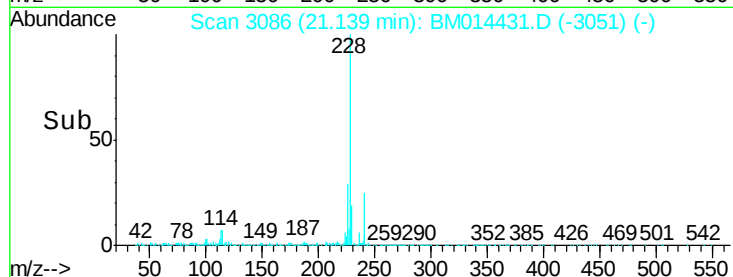
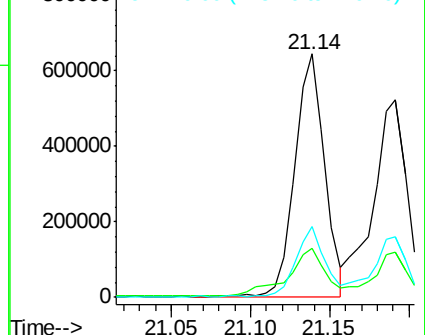
226 29.1 21.4 32.0



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: 16.395 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

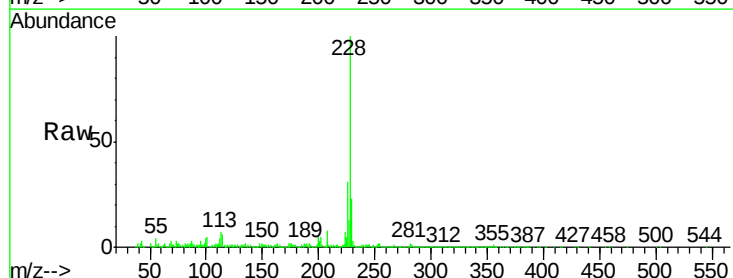
Tgt Ion:228 Resp: 756192

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

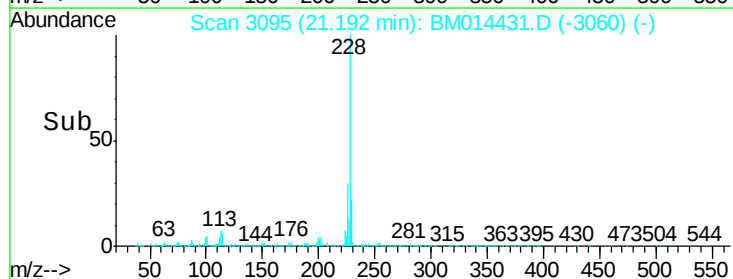
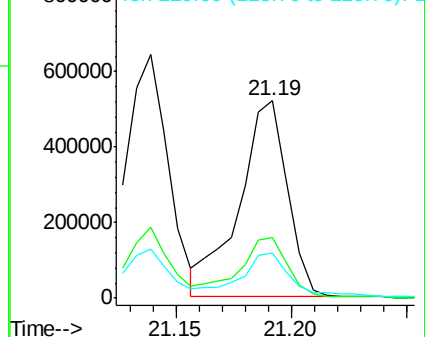
229 22.9 15.5 23.3

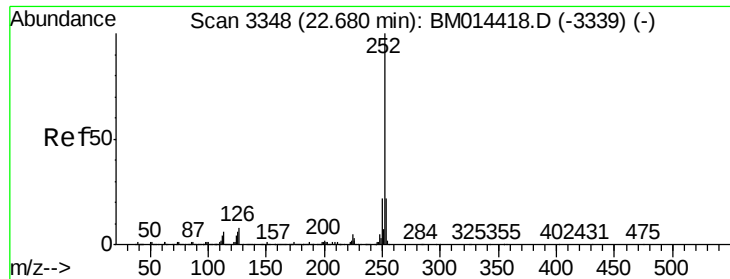


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 18.444 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. 0.01 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

BNA_M

ClientSampleId :

BE610

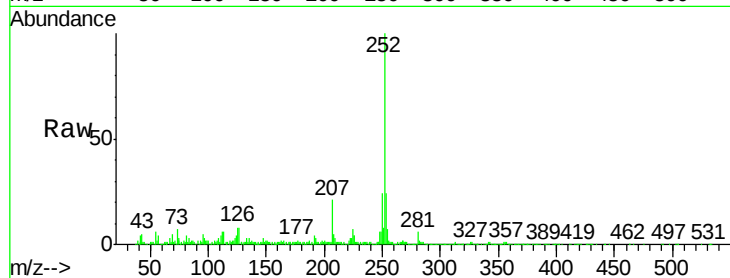
Tot Ion:252 Resp: 751160

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

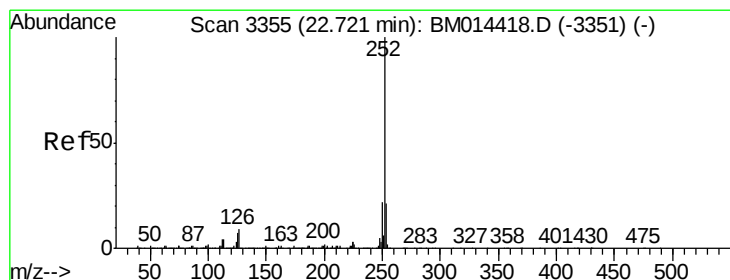
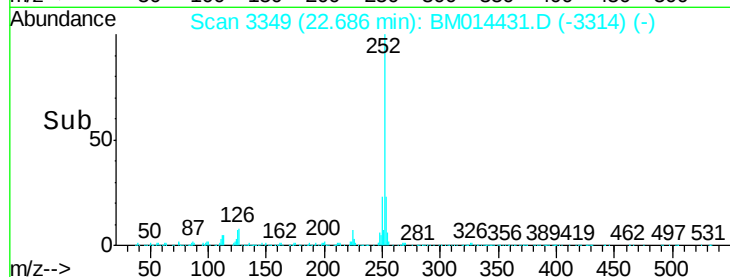
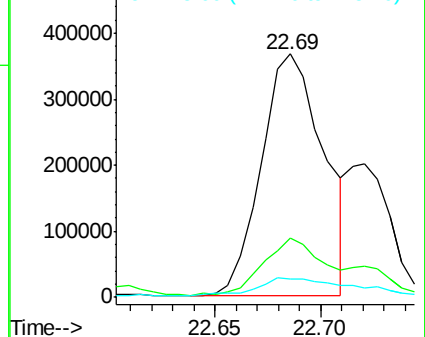
125 7.6 3.6 5.4#



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: 19.399 ng/ul

RT: 22.69 min Scan# 3349

Delta R.T. -0.04 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

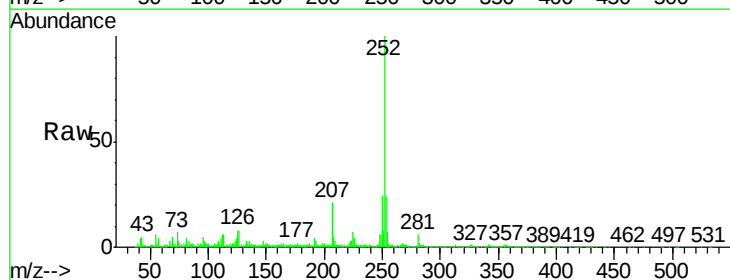
Tgt Ion:252 Resp: 751160

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

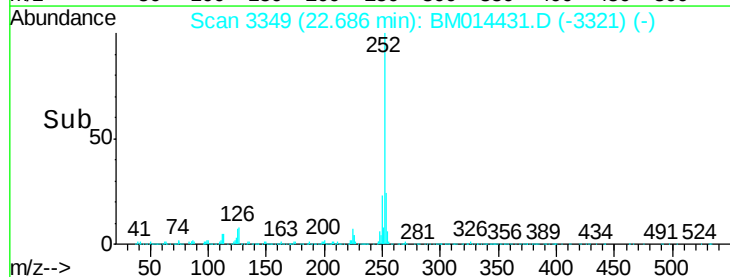
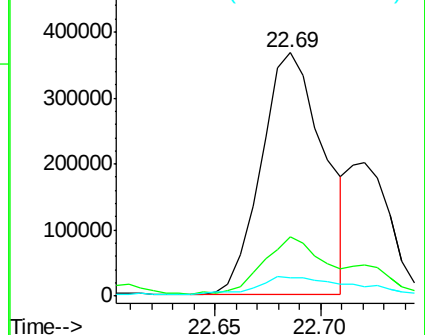
125 7.6 3.4 5.2#

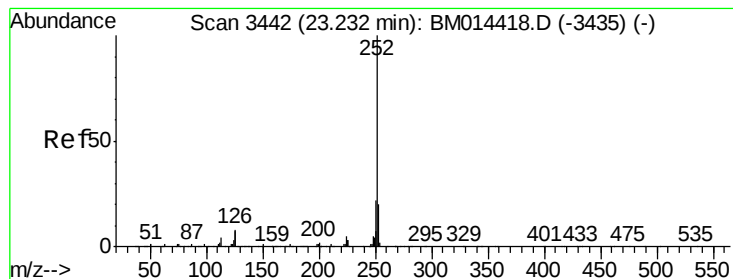


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 13.951 ng/ul

RT: 23.23 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

BNA_M

ClientSampleId :

BE610

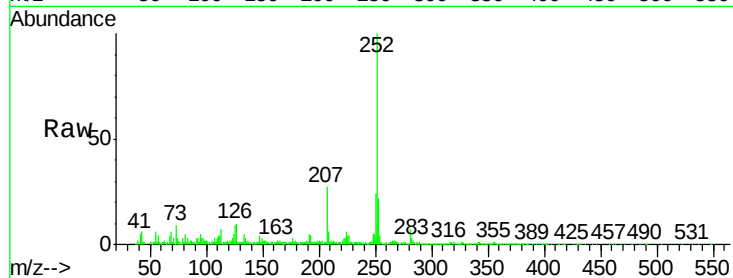
Tot Ion:252 Resp: 507720

Ion Ratio Lower Upper

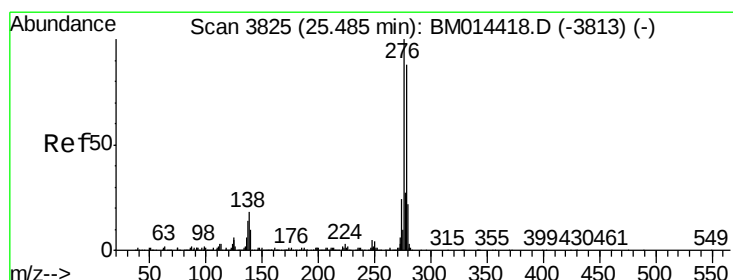
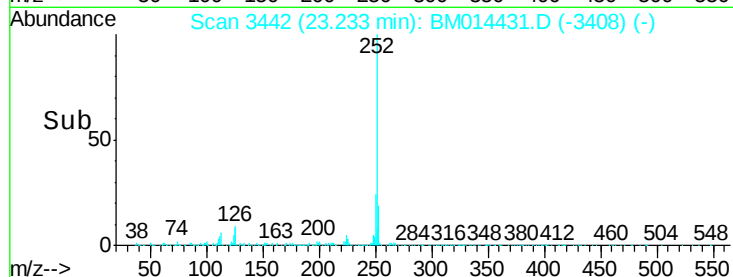
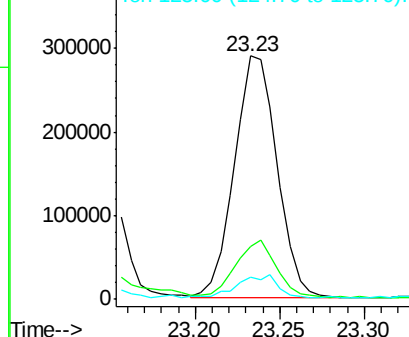
252 100

253 21.6 18.2 27.2

125 8.9 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: 8.489 ng/ul

RT: 25.49 min Scan# 3826

Delta R.T. 0.01 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

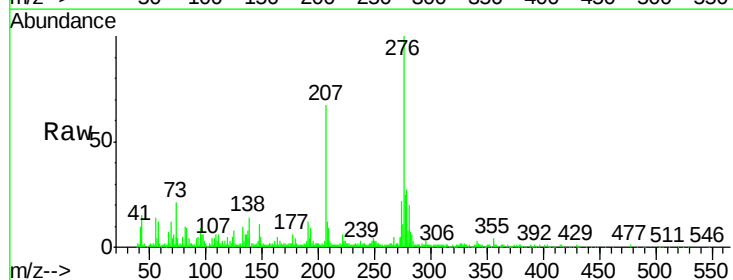
Tgt Ion:276 Resp: 299795

Ion Ratio Lower Upper

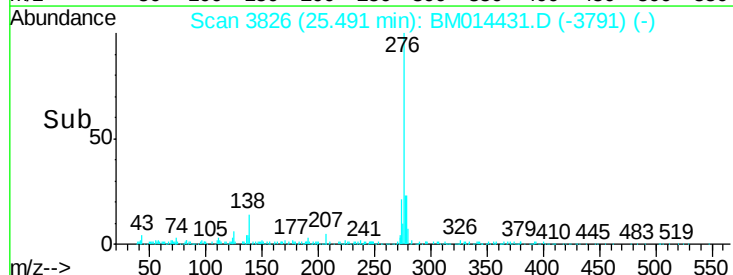
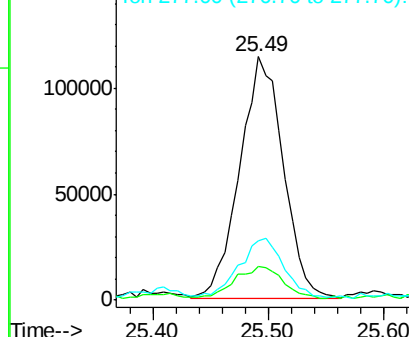
276 100

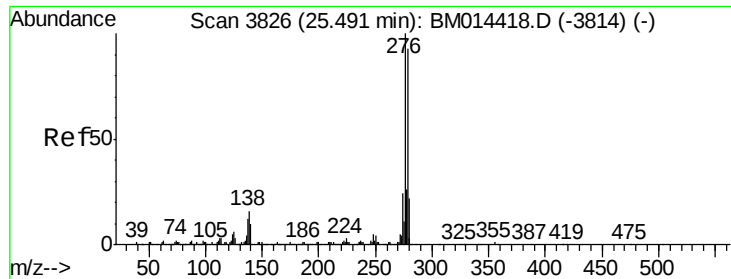
138 14.0 9.3 13.9#

277 24.6 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: 1.514 ng/ul

RT: 25.49 min Scan# 3826

Delta R.T. 0.00 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Instrument :

BNA_M

ClientSampleId :

BE610

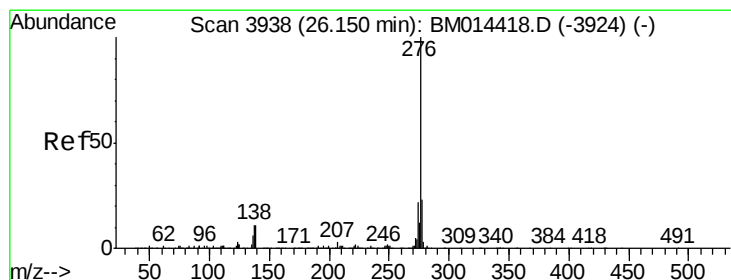
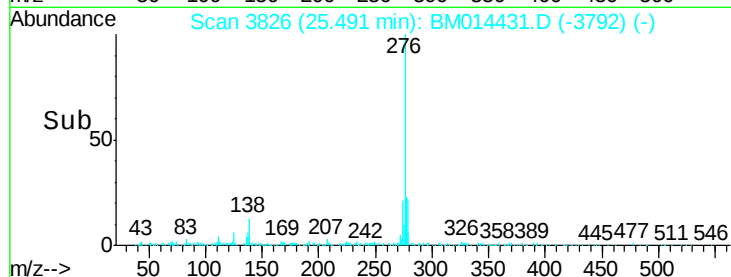
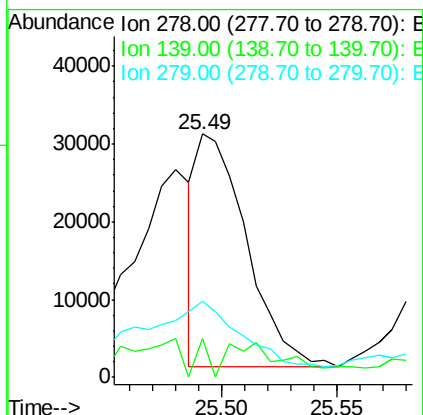
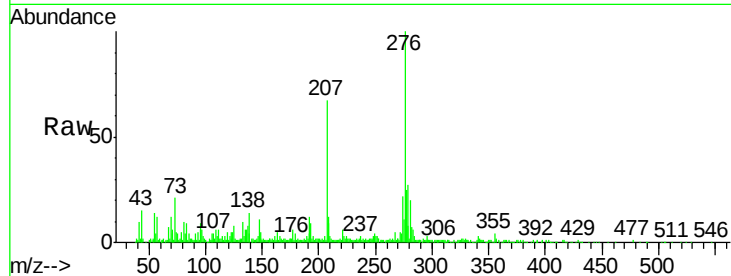
Tot Ion:278 Resp: 44426

Ion Ratio Lower Upper

278 100

139 15.8 5.8 8.8#

279 31.1 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 9.176 ng/ul

RT: 26.16 min Scan# 3939

Delta R.T. 0.01 min

Lab File: BM014431.D

Acq: 01 Mar 2018 09:19

Tgt Ion:276 Resp: 262525

Ion Ratio Lower Upper

276 100

138 13.0 8.5 12.7#

277 23.9 18.6 28.0

