

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022618\
 Data File : BM014375.D
 Acq On : 27 Feb 2018 02:23
 Operator : SJ/JU
 Sample : J1646-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 27 03:27:55 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Feb 27 03:22:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	170768	20.00	ng/ul	0.00
18) Naphthalene-d8	10.30	136	755724	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	415914	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	788875	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	562865	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	520986	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	11960	3.00	ng/uL	0.00
5) Phenol-d5	6.73	99	294018	20.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.87	67	185771	21.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.07	132	251598	22.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	263241	20.84	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	131230	23.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.40	143	143085	24.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	260092	21.72	ng/ul	0.01
29) 4-Chloroaniline-d4	10.46	131	216585	18.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.61	166	872528	25.40	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	1105853	26.11	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	45323	9.56	ng/ul	0.02
57) Fluorene-d10	15.19	176	735340	23.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	11338	2.40	ng/ul	0.02
70) Anthracene-d10	17.04	188	1001995	26.33	ng/ul	0.00
76) Pyrene-d10	19.36	212	865856	29.83	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.21	264	649321	25.61	ng/ul	0.03

Target Compounds

					Ovalue	
4) Benzaldehyde	6.69	77	26074	4.431	ng/ul#	81
6) Phenol	6.75	94	52632	3.475	ng/ul	94
16) 4-Methylphenol	8.31	108	73890	5.853	ng/ul	86
28) Naphthalene	10.35	128	203003	5.230	ng/ul	99
30) 4-Chloroaniline	10.35	127	27988	2.327	ng/ul#	13
34) 2-Methylnaphthalene	11.97	142	104177	3.526	ng/ul	100
44) Dimethylphthalate	13.65	163	201366	5.945	ng/ul	98
47) Acenaphthylene	13.90	152	49856	1.245	ng/ul#	93
53) Dibenzofuran	14.59	168	48494	1.147	ng/ul	91
56) Diethylphthalate	15.03	149	110385	2.925	ng/ul	96
58) Fluorene	15.24	166	47182	1.293	ng/ul	98
69) Phenanthrene	16.99	178	690853	15.200	ng/ul	99
71) Anthracene	17.08	178	168273	3.681	ng/ul	97
72) Carbazole	17.36	167	58524	1.523	ng/ul#	88
74) Fluoranthene	19.02	202	1199835	22.095	ng/ul#	93
77) Pyrene	19.39	202	1082852	28.948	ng/ul#	93
80) Benzo(a)anthracene	21.14	228	595598	16.955	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.16	149	46030	2.078	ng/ul	92
82) Chrysene	21.14	228	595598	18.175	ng/ul	95
85) Benzo(b)fluoranthene	22.70	252	918299	26.324	ng/ul#	97
86) Benzo(k)fluoranthene	22.70	252	918299	27.687	ng/ul#	95
88) Benzo(a)pyrene	23.25	252	605737	19.432	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.51	276	424291	14.027	ng/ul	98

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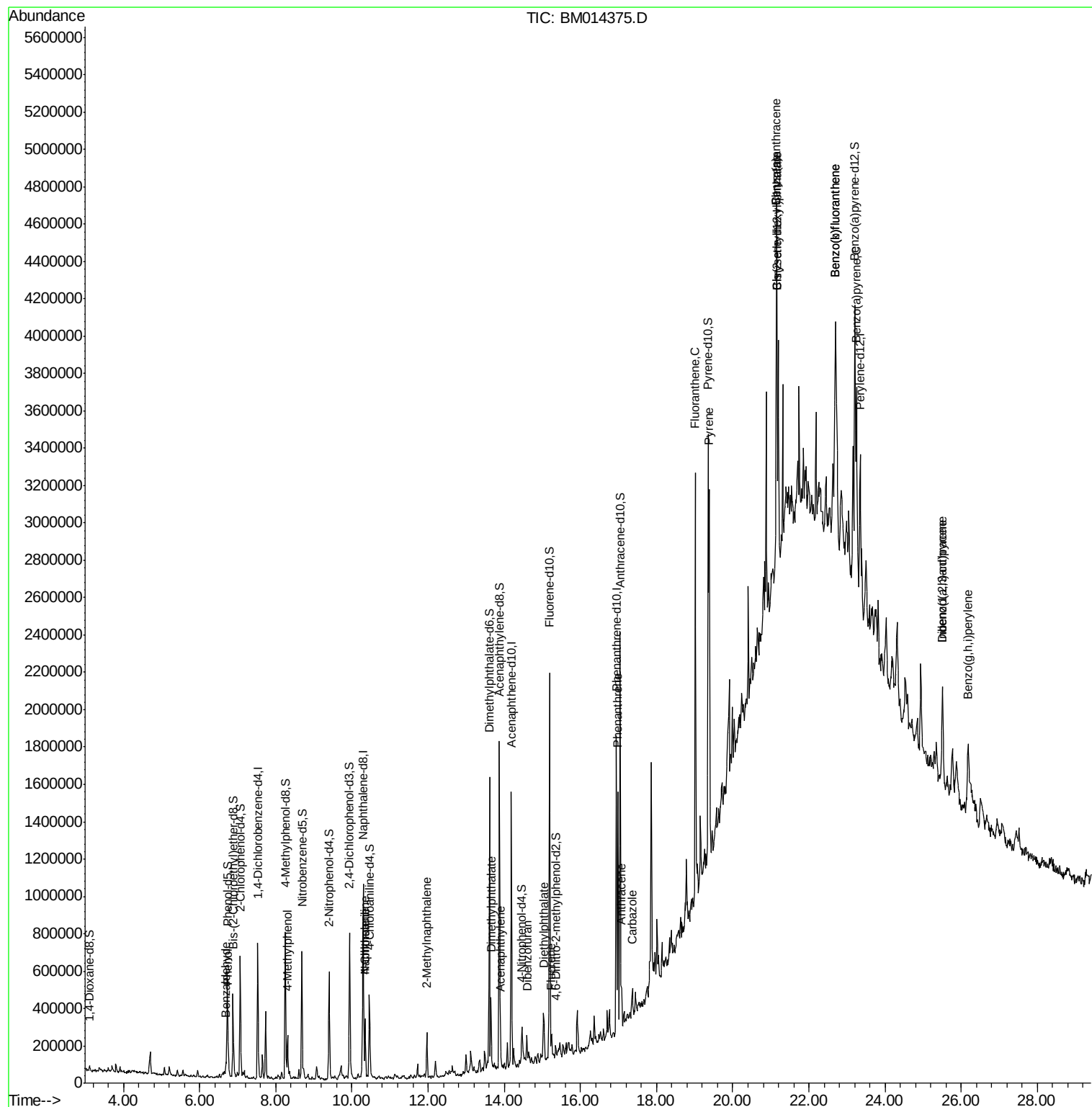
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.50	278	112172	4.463	ng/ul#	71
91) Benzo(g,h,i)perylene	26.18	276	386344	15.766	ng/ul#	93

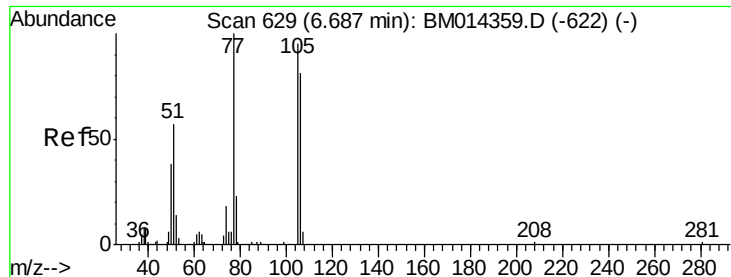
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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#4

Benzaldehyde

Concen: 4.431 ng/ul

RT: 6.69 min Scan# 630

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

BNA_M

ClientSampled :

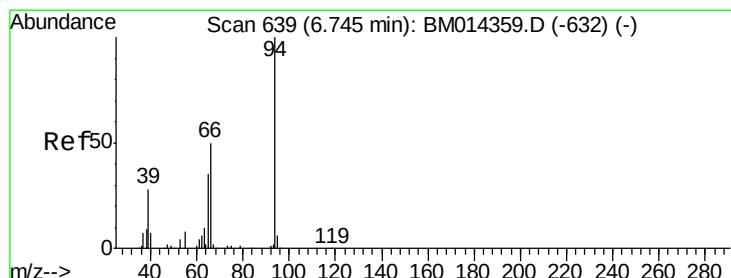
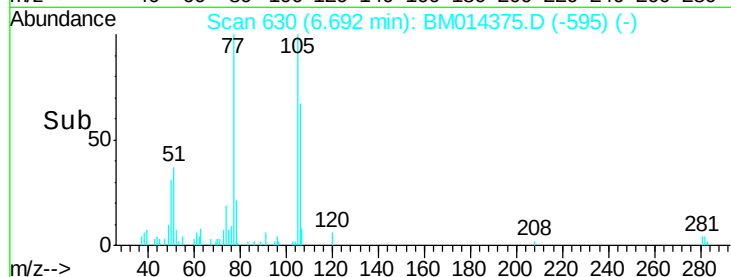
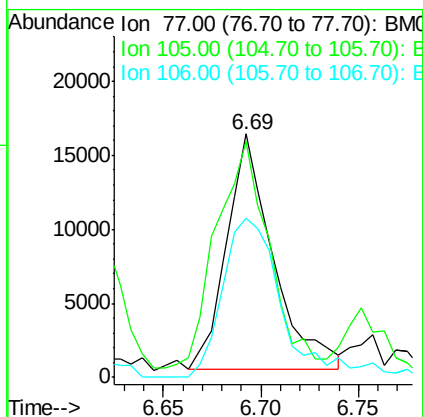
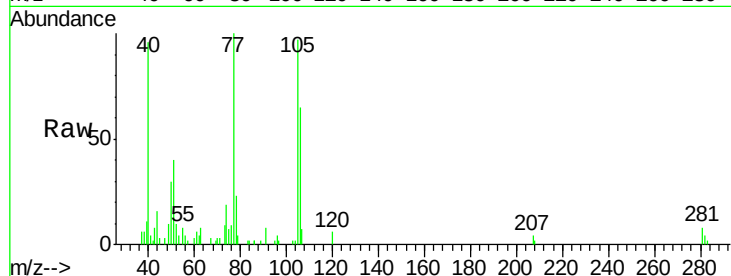
Tot Ion: 77 Resp: 26074

Ion Ratio Lower Upper

77 100

105 96.9 66.1 99.1

106 65.2 67.8 101.6#



#6

Phenol

Concen: 3.475 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

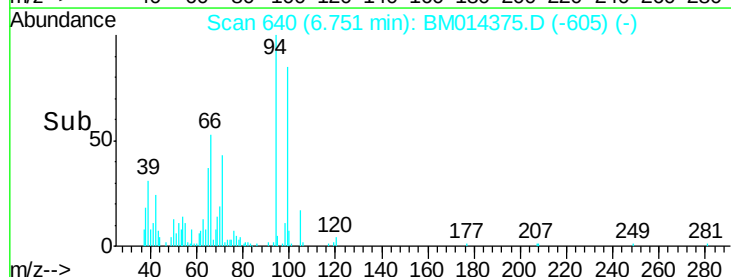
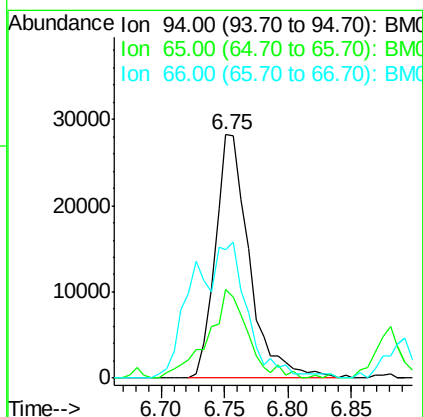
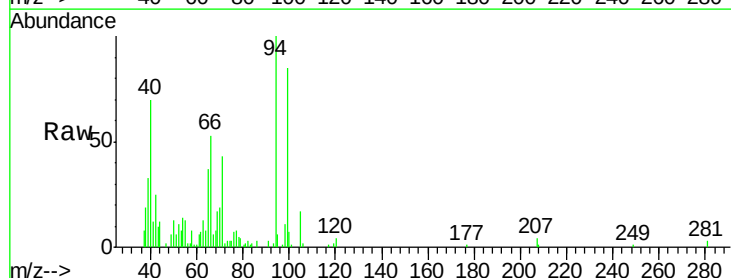
Tgt Ion: 94 Resp: 52632

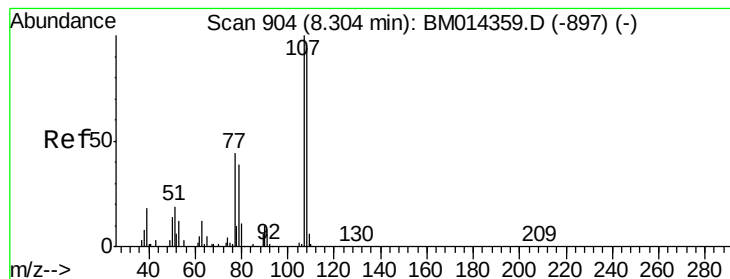
Ion Ratio Lower Upper

94 100

65 36.5 28.2 42.4

66 52.5 47.2 70.8





#16

4-Methylphenol

Concen: 5.853 ng/ul

RT: 8.31 min Scan# 905

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

BNA_M

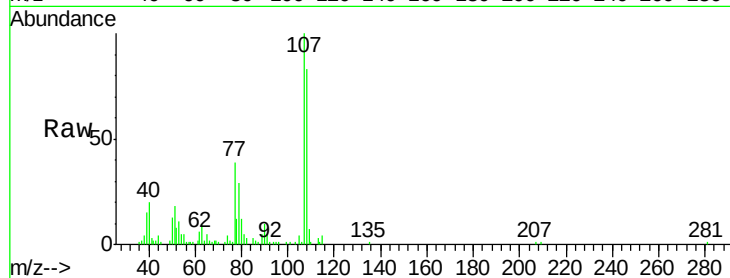
ClientSampleId :

Tot Ion:108 Resp: 73890

Ion Ratio Lower Upper

108 100

107 121.0 84.9 127.3



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E

60000

50000

40000

30000

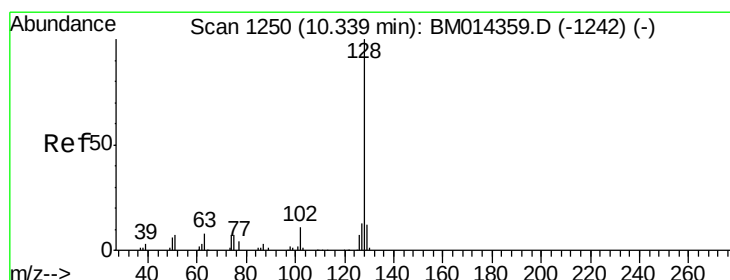
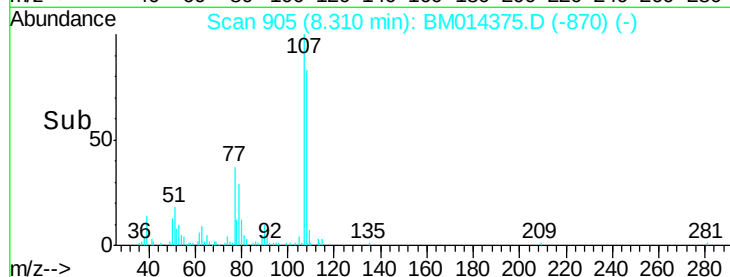
20000

10000

0

8.25 8.30 8.35

Time-->



#28

Naphthalene

Concen: 5.230 ng/ul

RT: 10.35 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

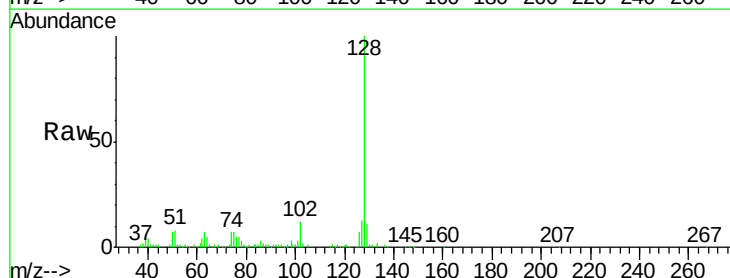
Tgt Ion:128 Resp: 203003

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

127 13.1 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

150000

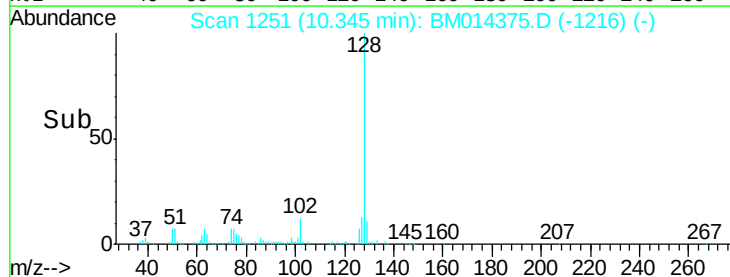
100000

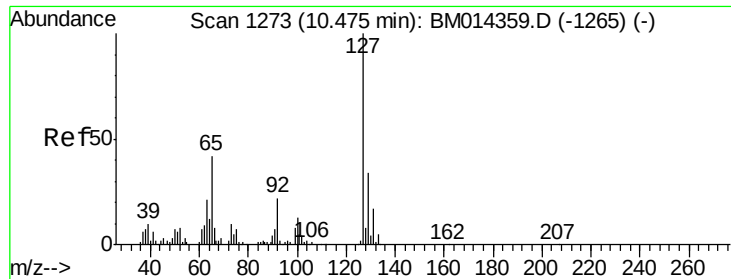
50000

0

10.30 10.35 10.40

Time-->

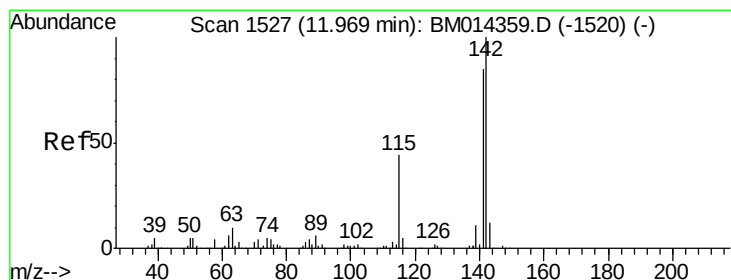
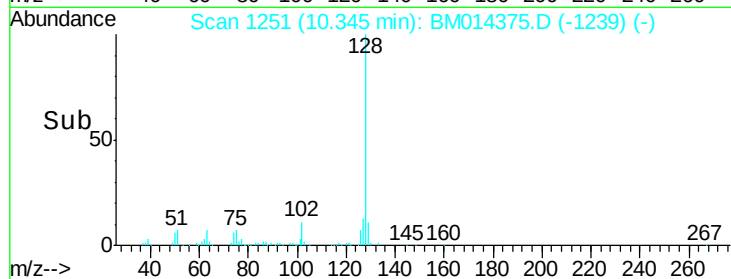
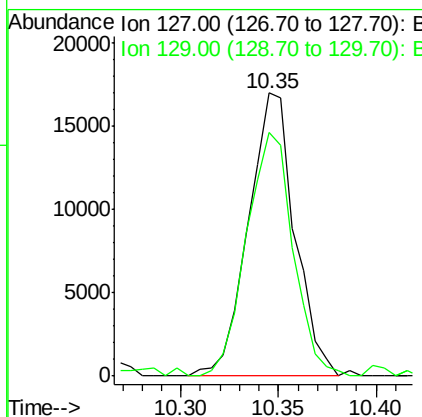
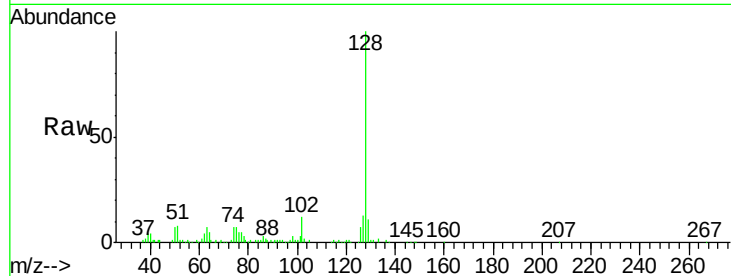




#30
4-Chloroaniline
Concen: 2.327 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. -0.13 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

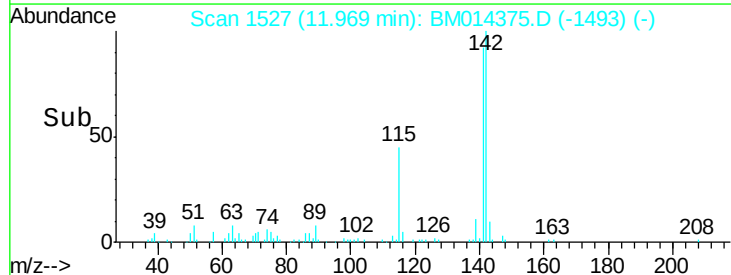
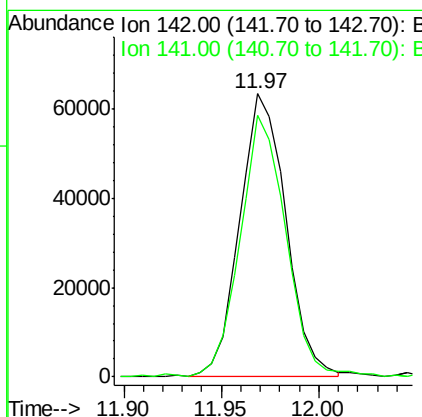
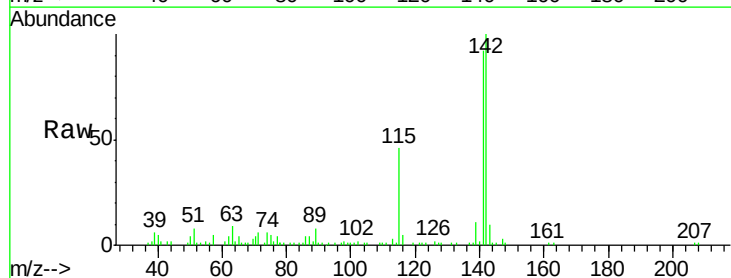
Instrument :
BNA_M
ClientSampleId :

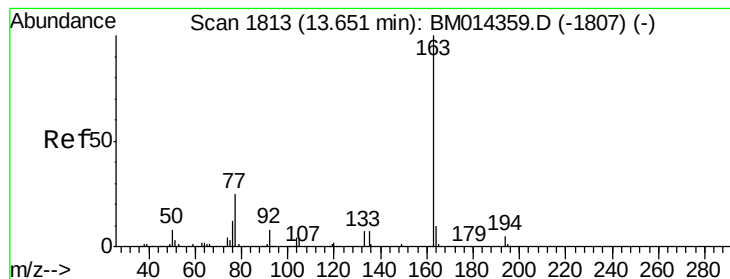
Tot Ion:127 Resp: 27988
Ion Ratio Lower Upper
127 100
129 86.2 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 3.526 ng/ul
RT: 11.97 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

Tgt Ion:142 Resp: 104177
Ion Ratio Lower Upper
142 100
141 92.5 74.1 111.1





#44

Dimethylphthalate

Concen: 5.945 ng/ul

RT: 13.65 min Scan# 1813

Delta R.T. -0.00 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

BNA_M

ClientSampleId :

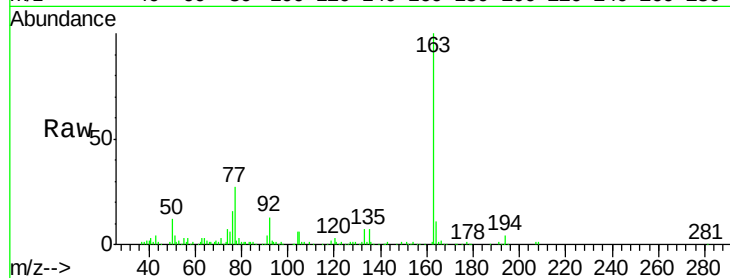
Tot Ion:163 Resp: 201366

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

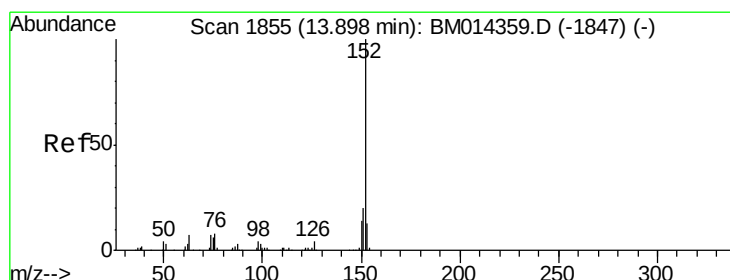
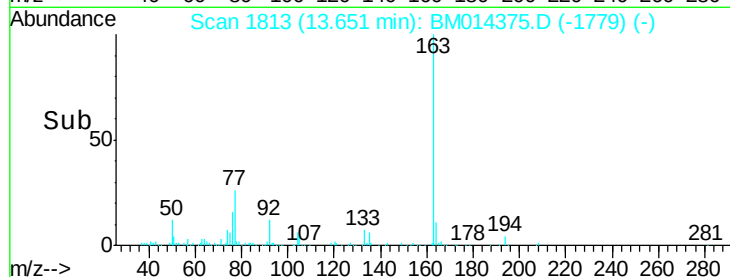
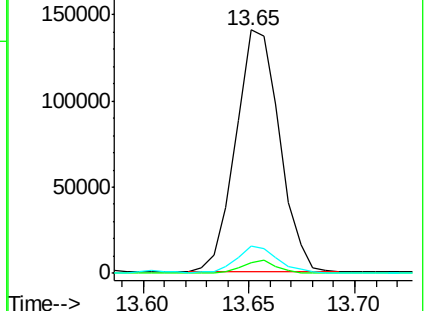
164 11.2 8.2 12.4



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: 1.245 ng/ul

RT: 13.90 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

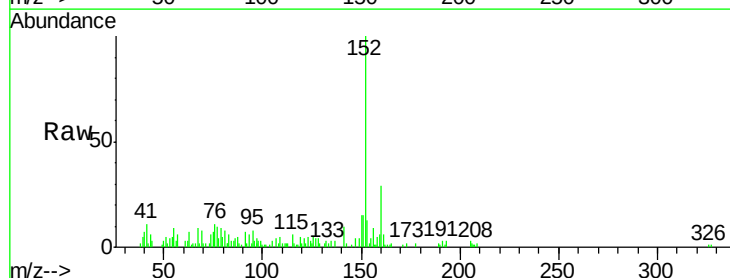
Tgt Ion:152 Resp: 49856

Ion Ratio Lower Upper

152 100

151 15.1 16.3 24.5#

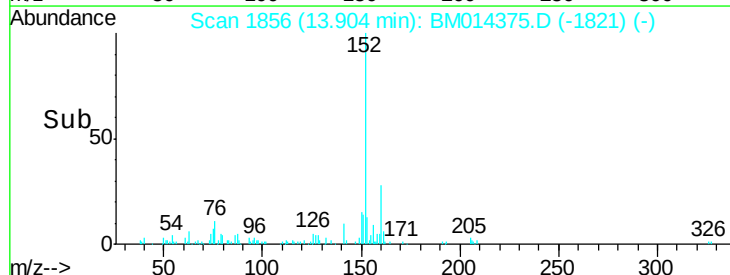
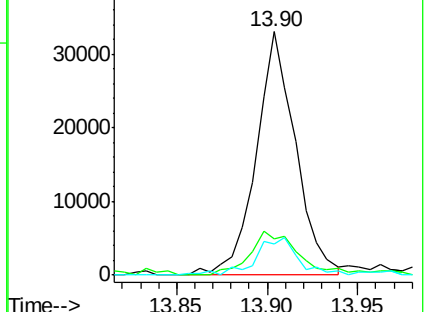
153 12.8 10.2 15.4

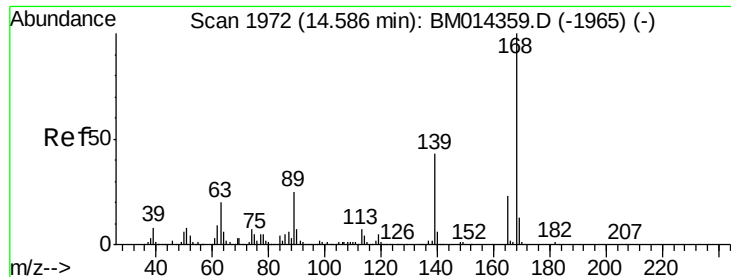


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#53

Dibenzofuran

Concen: 1.147 ng/ul

RT: 14.59 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

BNA_M

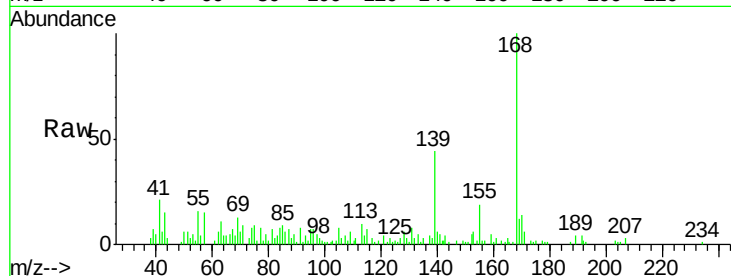
ClientSampleId :

Tot Ion:168 Resp: 48494

Ion Ratio Lower Upper

168 100

139 44.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.59

40000

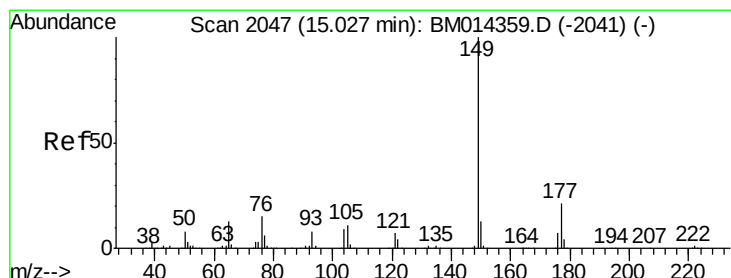
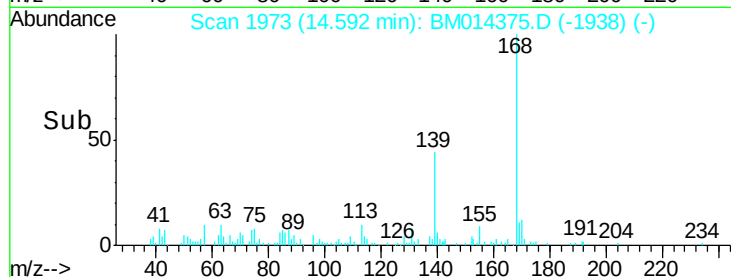
30000

20000

10000

0

Time--> 14.55 14.60 14.65



#56

Diethylphthalate

Concen: 2.925 ng/ul

RT: 15.03 min Scan# 2047

Delta R.T. -0.00 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

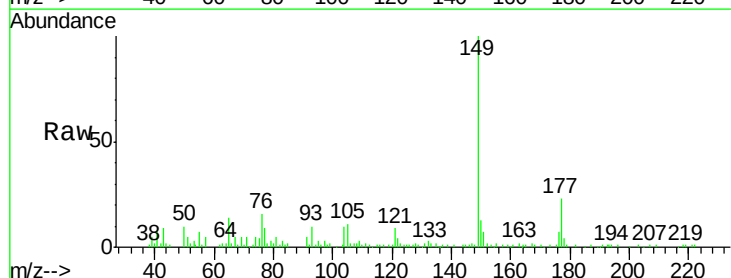
Tgt Ion:149 Resp: 110385

Ion Ratio Lower Upper

149 100

177 22.7 20.5 30.7

150 12.9 10.6 15.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

15.03

100000

80000

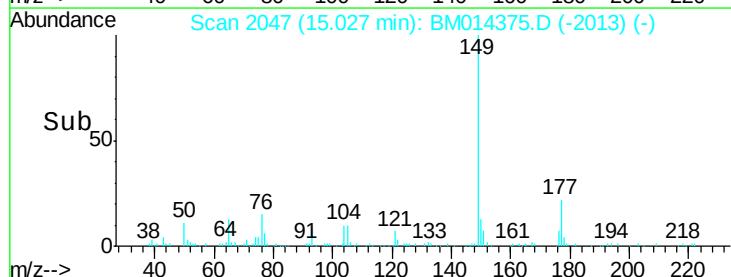
60000

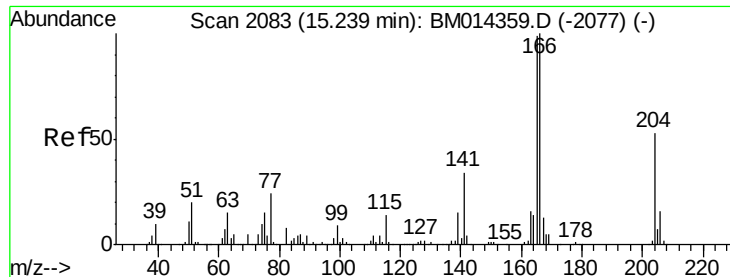
40000

20000

0

Time--> 15.00 15.05





#58

Fluorene

Concen: 1.293 ng/ul

RT: 15.24 min Scan# 2084

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

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ClientSampleId :

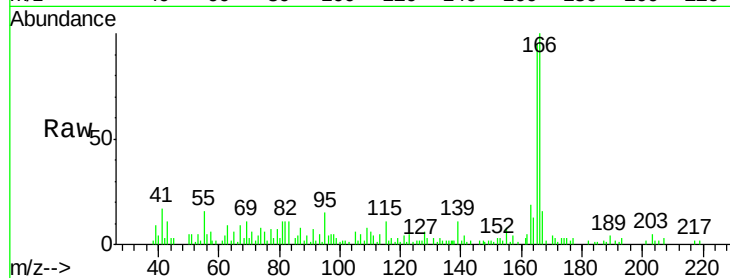
Tot Ion:166 Resp: 47182

Ion Ratio Lower Upper

166 100

165 95.4 77.9 116.9

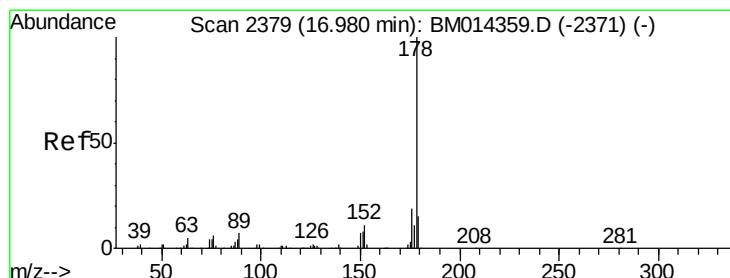
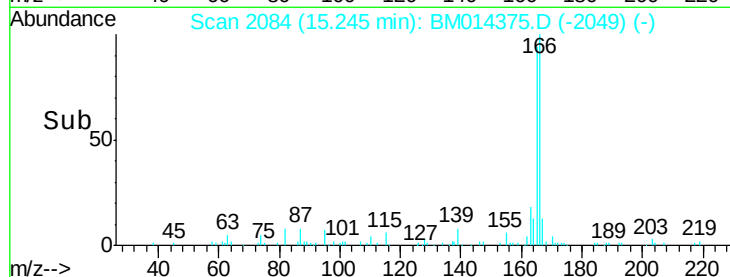
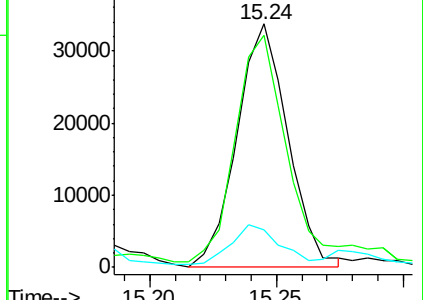
167 15.6 10.6 16.0



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: 15.200 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

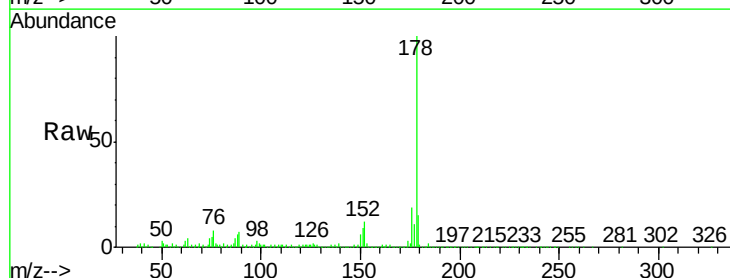
Tgt Ion:178 Resp: 690853

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

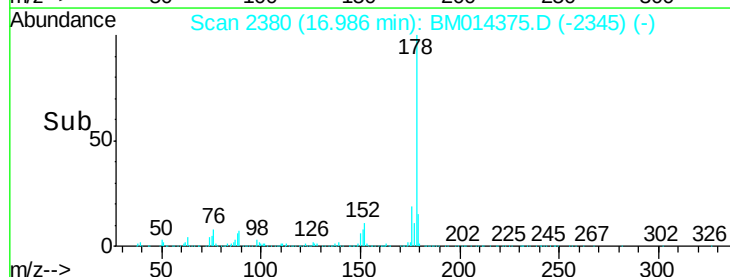
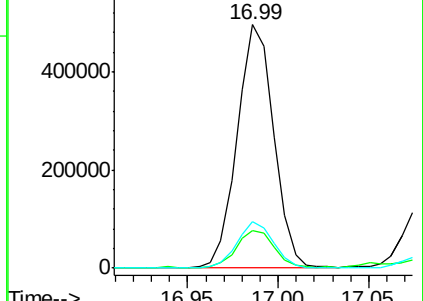
176 18.9 14.9 22.3

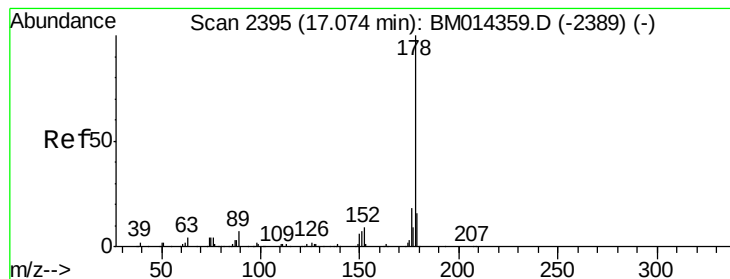


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.681 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. 0.01 min

Lab File: BM014375.D

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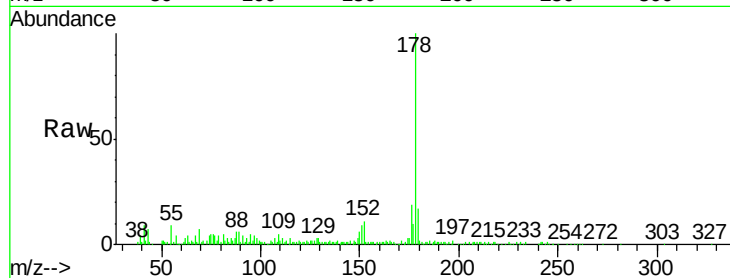
Tot Ion:178 Resp: 168273

Ion Ratio Lower Upper

178 100

179 16.5 11.7 17.5

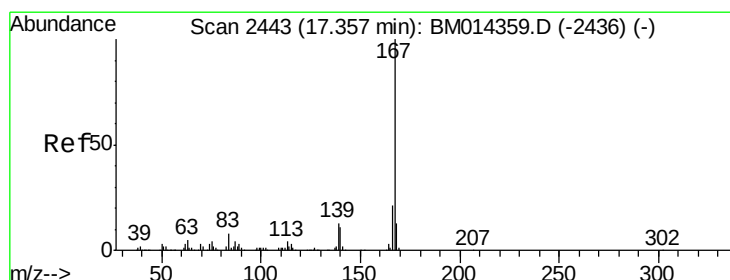
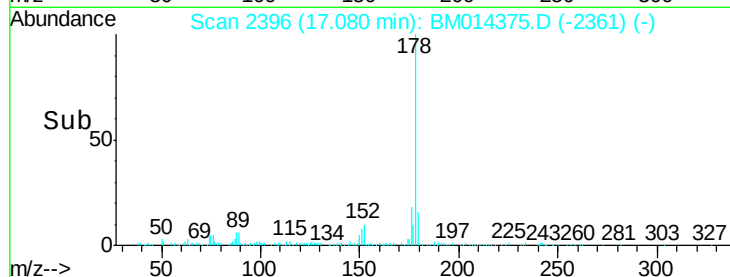
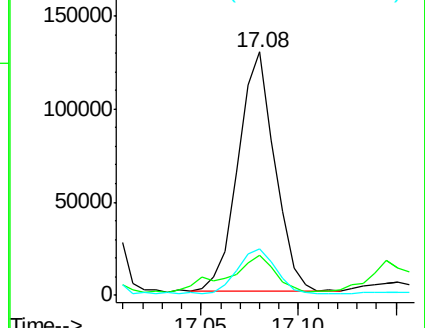
176 18.9 14.6 21.8



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: 1.523 ng/ul

RT: 17.36 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

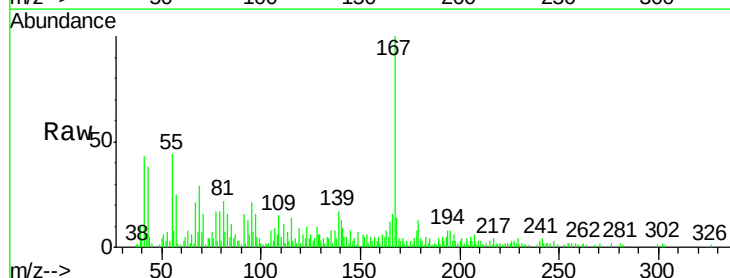
Tgt Ion:167 Resp: 58524

Ion Ratio Lower Upper

167 100

166 15.6 17.1 25.7#

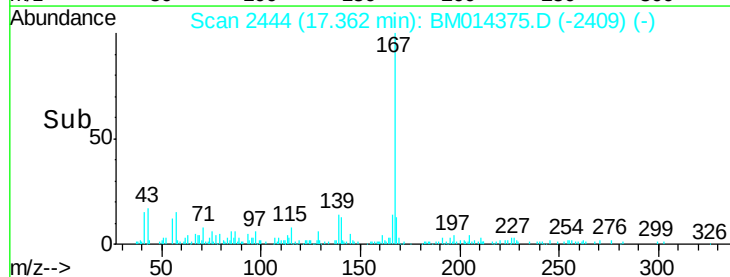
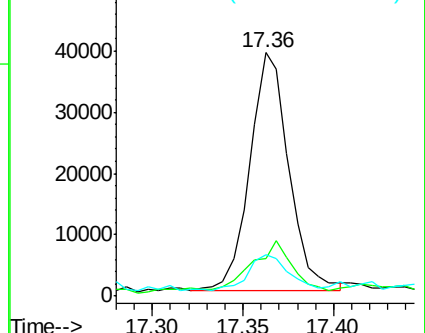
139 17.1 10.0 15.0#

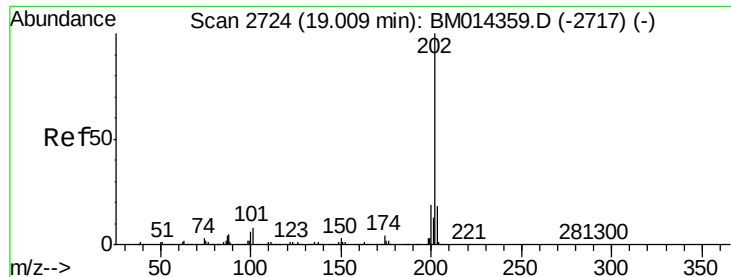


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

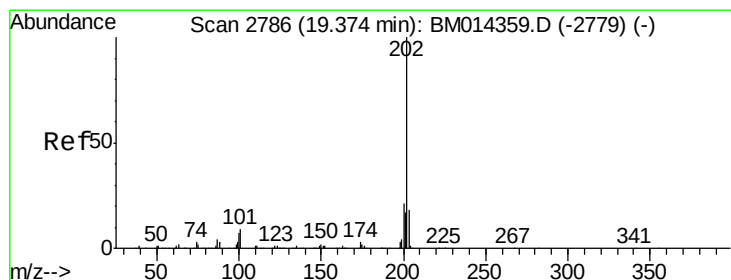
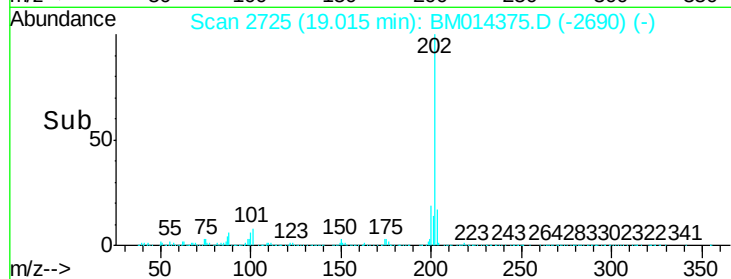
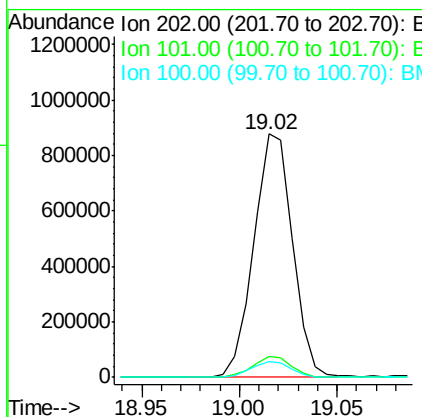
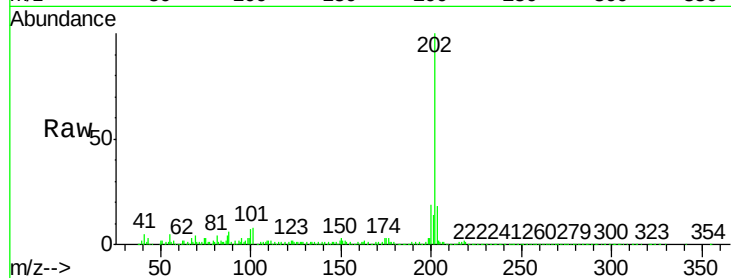




#74
Fluoranthene
Concen: 22.095 ng/ul
RT: 19.02 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

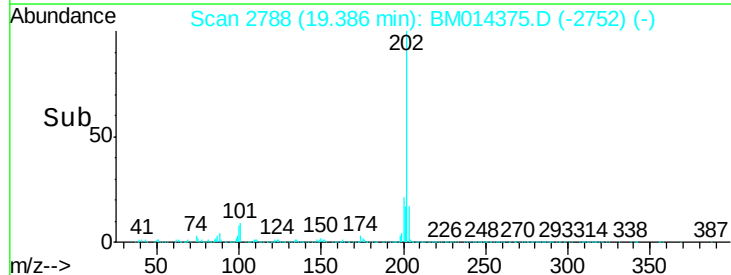
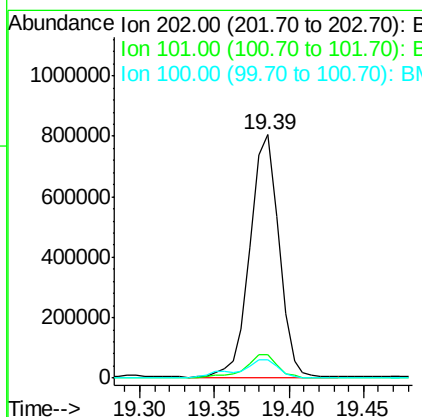
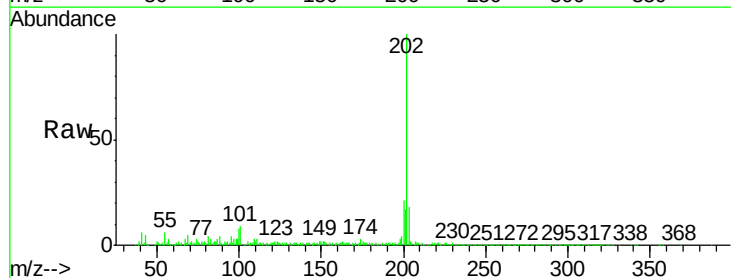
Instrument :
BNA_M
ClientSampled :

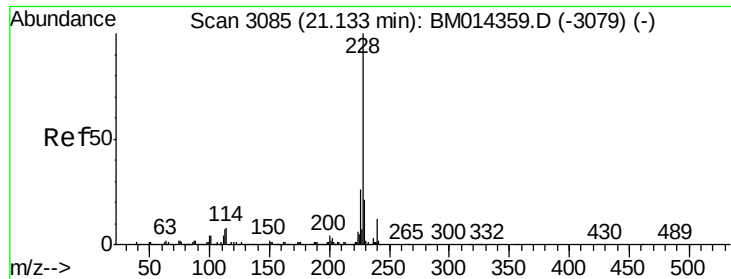
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.3	4.6	7.0#
100	6.6	3.4	5.2#



#77
Pyrene
Concen: 28.948 ng/ul
RT: 19.39 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	5.1	7.7#
100	7.7	4.9	7.3#





#80

Benzo(a)anthracene

Concen: 16.955 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

BNA_M

ClientSampleId :

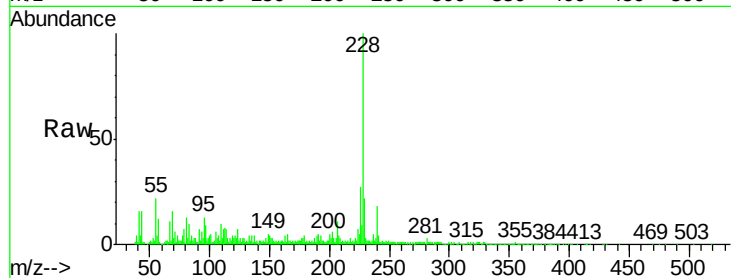
Tot Ion:228 Resp: 595598

Ion Ratio Lower Upper

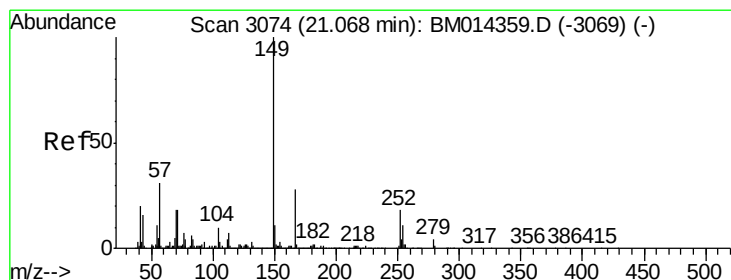
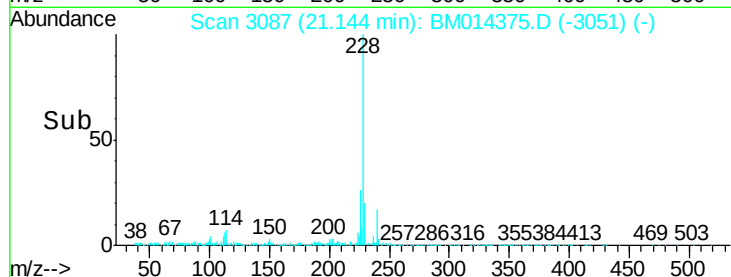
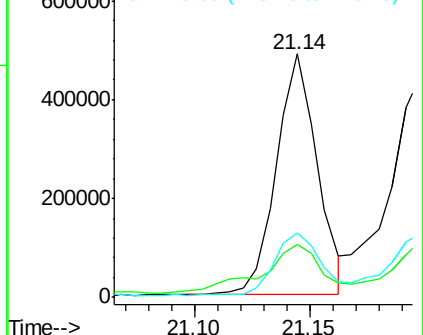
228 100

229 21.9 15.4 23.0

226 26.7 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: 2.078 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. 0.09 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

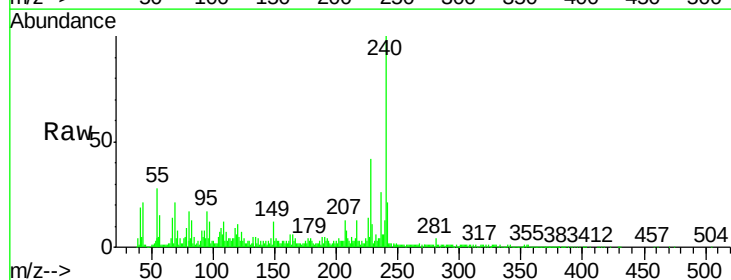
Tgt Ion:149 Resp: 46030

Ion Ratio Lower Upper

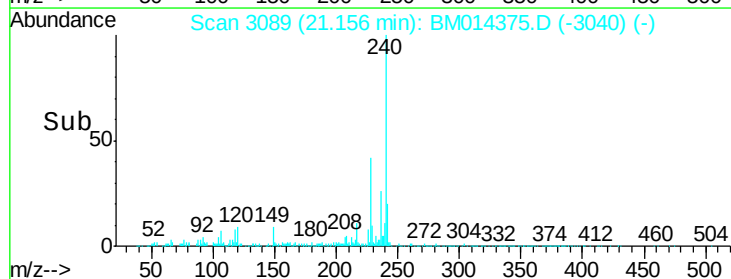
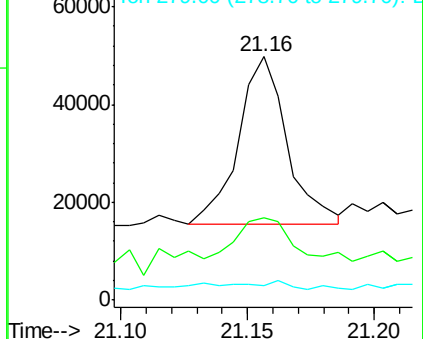
149 100

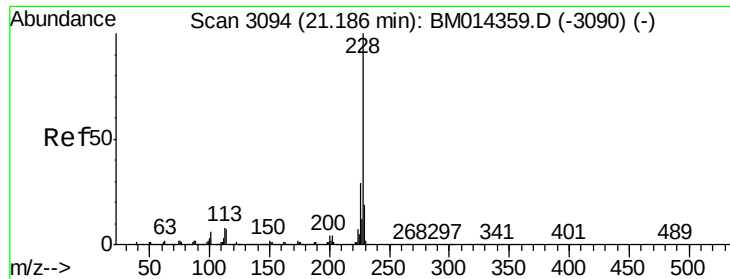
167 33.9 22.8 34.2

279 6.2 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: 18.175 ng/ul

RT: 21.14 min Scan# 3087

Delta R.T. -0.04 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

BNA_M

ClientSampleId :

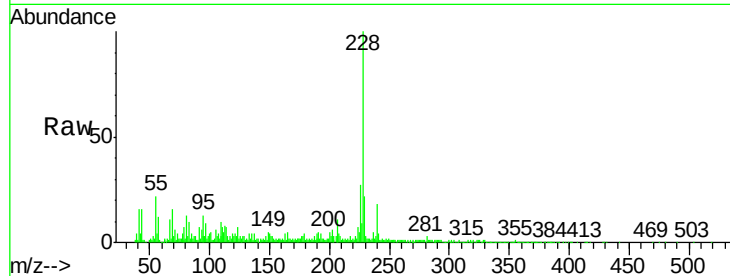
Tot Ion:228 Resp: 595598

Ion Ratio Lower Upper

228 100

226 26.7 23.4 35.2

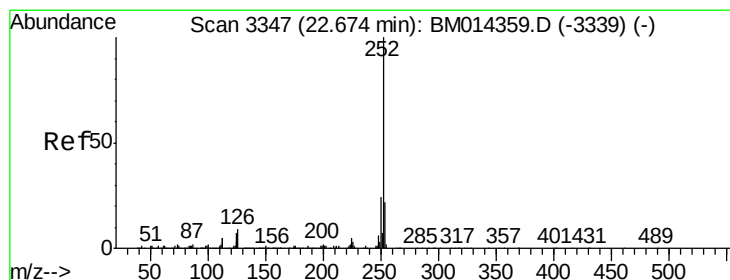
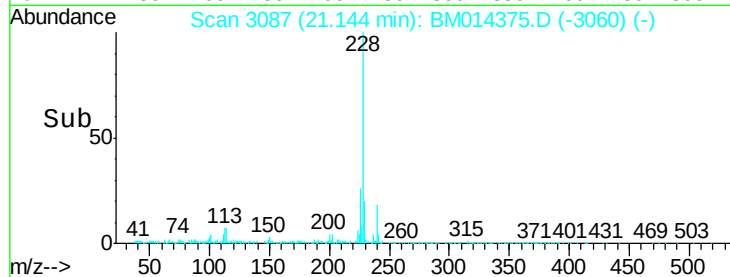
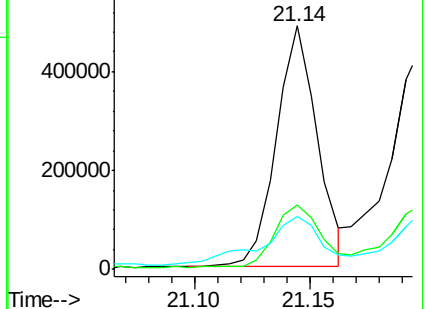
229 21.9 15.5 23.3



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: 26.324 ng/ul

RT: 22.70 min Scan# 3351

Delta R.T. 0.02 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

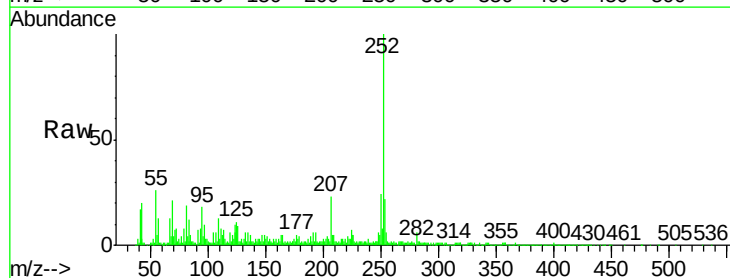
Tgt Ion:252 Resp: 918299

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

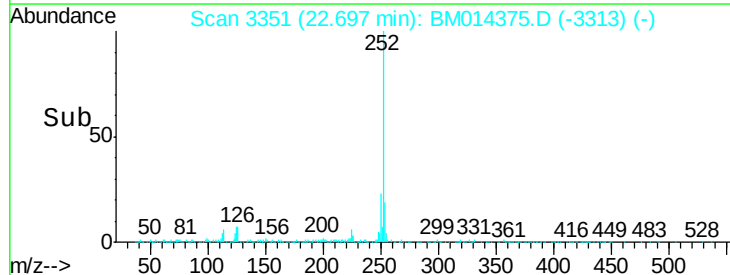
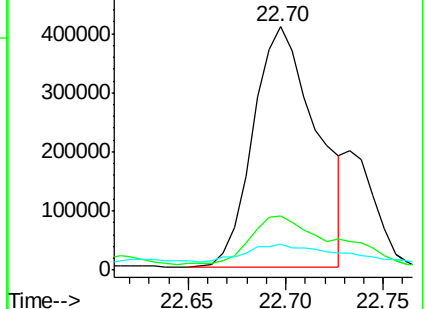
125 10.9 3.6 5.4#

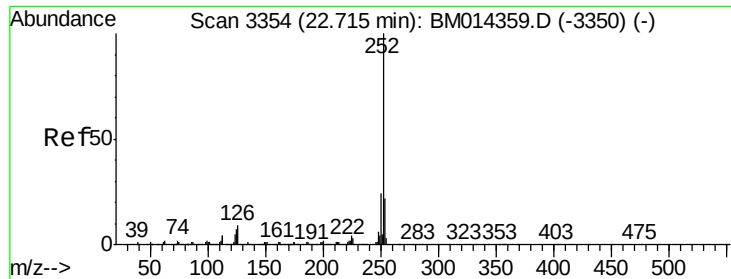


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

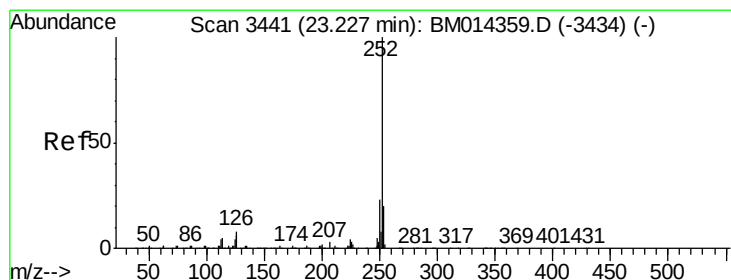
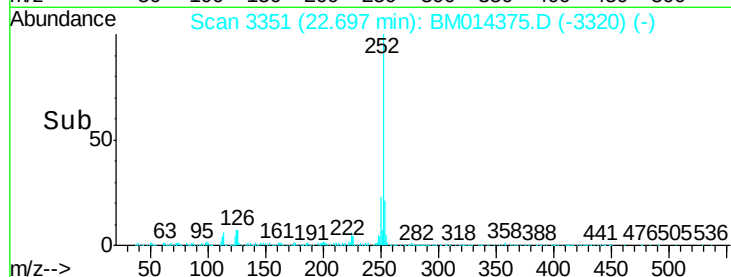
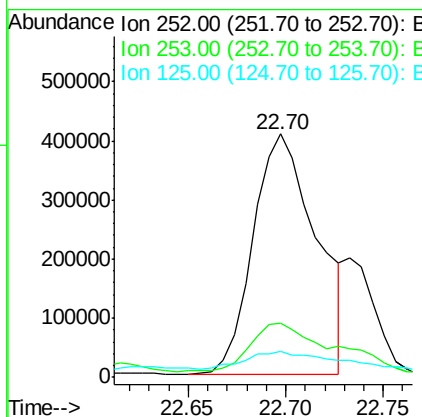
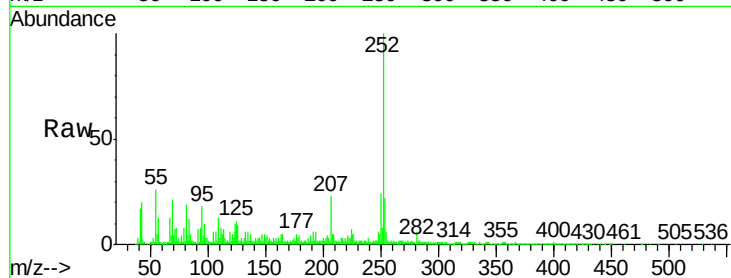




#86
Benzo(k)fluoranthene
Concen: 27.687 ng/ul
RT: 22.70 min Scan# 3351
Delta R.T. -0.02 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

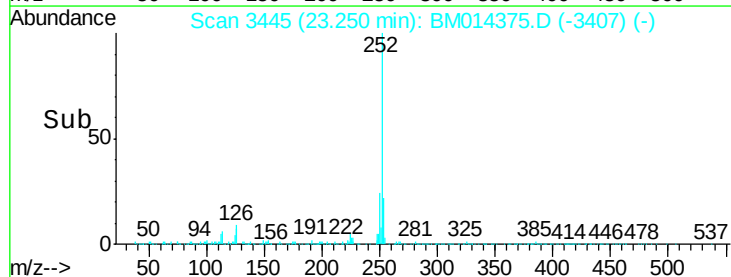
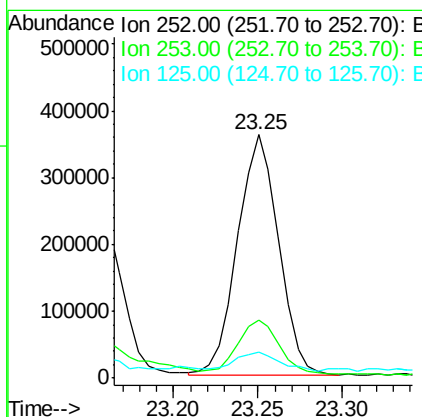
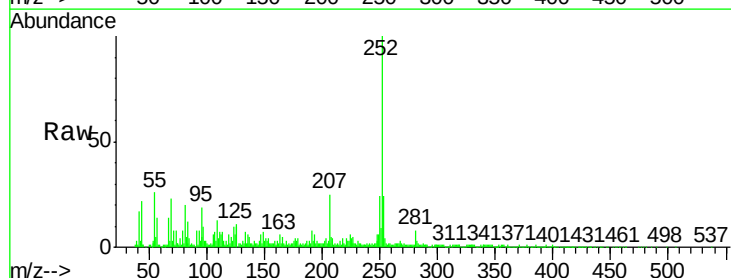
Instrument :
BNA_M
ClientSampleId :

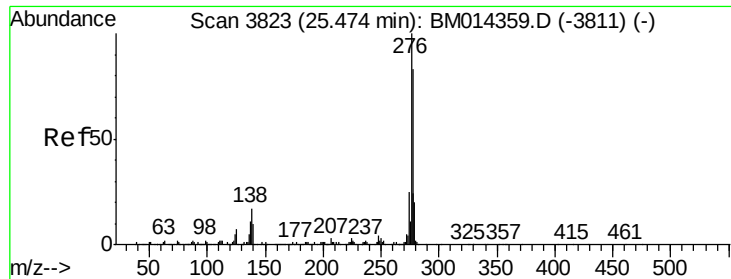
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	10.9	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 19.432 ng/ul
RT: 23.25 min Scan# 3445
Delta R.T. 0.02 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	10.7	4.0	6.0#



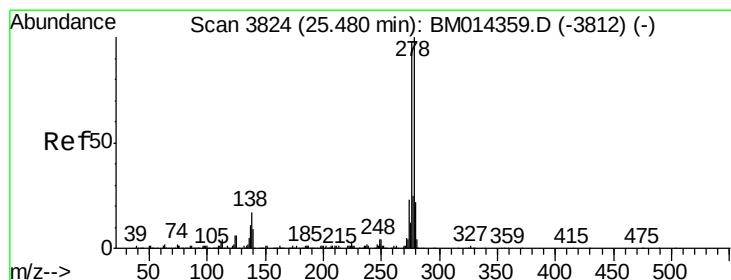
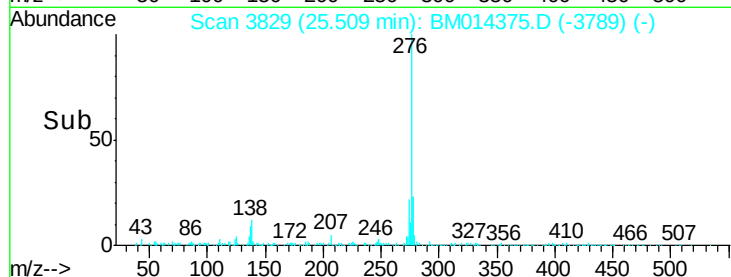
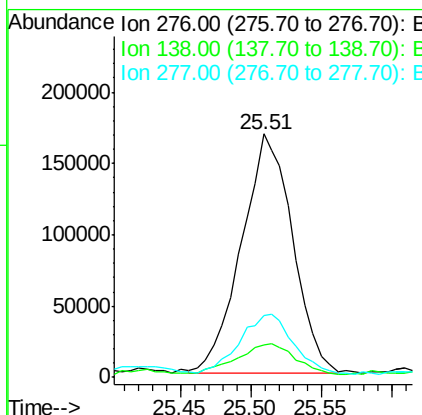
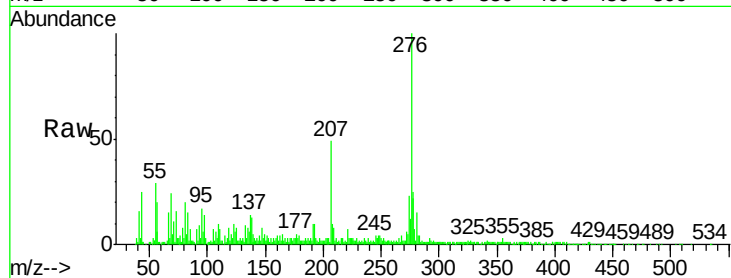


#89

Indeno(1,2,3-cd)pyrene
Concen: 14.027 ng/ul
RT: 25.51 min Scan# 3829
Delta R.T. 0.04 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

Instrument :
BNA_M
ClientSampleId :

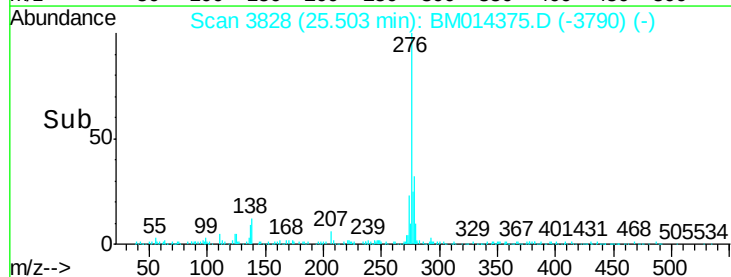
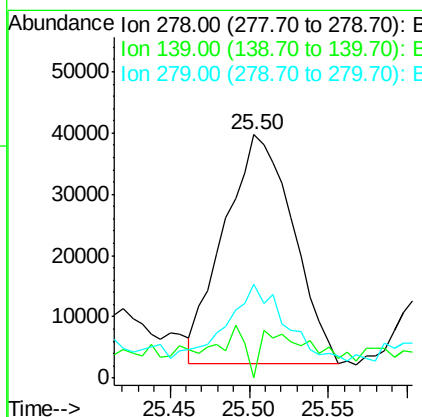
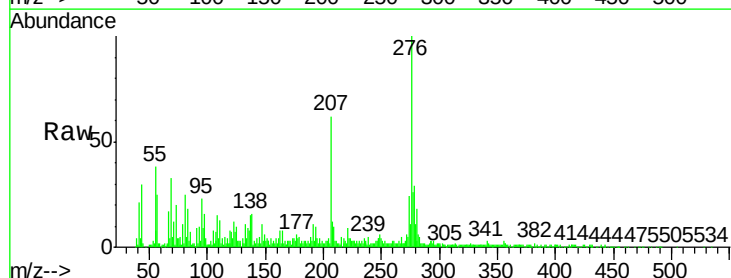
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.2	9.3	13.9
277	25.3	19.9	29.9

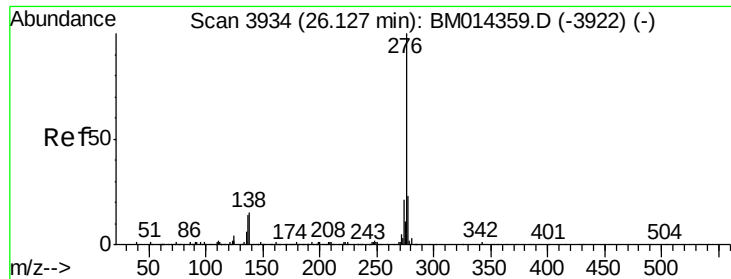


#90

Dibenzo(a,h)anthracene
Concen: 4.463 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.02 min
Lab File: BM014375.D
Acq: 27 Feb 2018 02:23

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	38.4	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 15.766 ng/ul

RT: 26.18 min Scan# 3943

Delta R.T. 0.05 min

Lab File: BM014375.D

Acq: 27 Feb 2018 02:23

Instrument :

BNA_M

ClientSampleId :

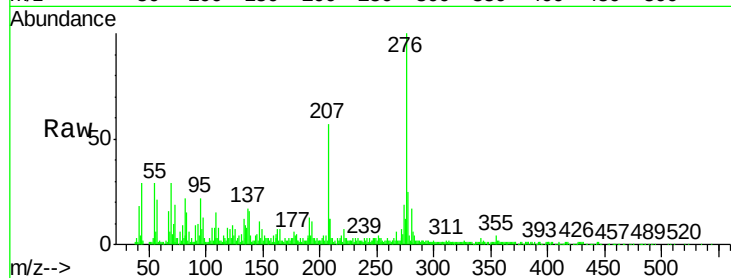
Tot Ion:276 Resp: 386344

Ion Ratio Lower Upper

276 100

138 15.9 8.5 12.7#

277 25.0 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

