

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014474.D
 Acq On : 05 Mar 2018 15:47
 Operator : SJ/JU
 Sample : J1678-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 05 23:00:27 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:00:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	102162	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	451650	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	266666	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	502382	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	375036	20.00	ng/ul	0.00
83) Perylene-d12	23.35	264	366346	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	9438	3.95	ng/uL	0.00
5) Phenol-d5	6.73	99	258712	29.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	158982	30.42	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	213863	32.30	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	205802	27.24	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	106886	32.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	126931	36.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	220276	30.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.55	131	3625	0.51	ng/ul	0.10
43) Dimethylphthalate-d6	13.60	166	781116	35.47	ng/ul	0.00
46) Acenaphthylene-d8	13.87	160	949804	34.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	62630	20.60	ng/ul	0.00
57) Fluorene-d10	15.18	176	627319	31.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	42473	14.09	ng/ul	0.00
70) Anthracene-d10	17.04	188	858775	35.43	ng/ul	0.00
76) Pyrene-d10	19.36	212	766243	39.61	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.22	264	614053	34.44	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.76	94	18219	2.011	ng/ul#	84
28) Naphthalene	10.33	128	43449	1.873	ng/ul	97
44) Dimethylphthalate	13.65	163	103714	4.776	ng/ul#	96
47) Acenaphthylene	13.90	152	109750	4.276	ng/ul	98
49) Acenaphthene	14.24	153	72290	4.000	ng/ul	98
50) 2,4-Dinitrophenol	14.35	184	2328	1.049	ng/ul#	71
53) Dibenzofuran	14.59	168	67200	2.480	ng/ul	90
56) Diethylphthalate	15.02	149	86553	3.577	ng/ul#	87
58) Fluorene	15.24	166	83962	3.589	ng/ul	94
69) Phenanthrene	16.99	178	1971552	68.113	ng/ul	99
71) Anthracene	17.07	178	359195	12.339	ng/ul	99
72) Carbazole	17.36	167	127708	5.217	ng/ul	95
74) Fluoranthene	19.02	202	2915247	84.300	ng/ul#	95
77) Pyrene	19.39	202	2523166	101.235	ng/ul#	94
78) Butylbenzylphthalate	20.29	149	13845	1.343	ng/ul	88
80) Benzo(a)anthracene	21.14	228	1088057	46.486	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.07	149	3182371	215.620	ng/ul#	95
82) Chrysene	21.20	228	985980	45.156	ng/ul	97
84) Di-n-octyl phthalate	21.94	149	279862	8.902	ng/ul#	61
85) Benzo(b)fluoranthene	22.70	252	1221386	49.792	ng/ul#	98
86) Benzo(k)fluoranthene	22.70	252	1221386	52.370	ng/ul#	98
88) Benzo(a)pyrene	23.26	252	903869	41.235	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.53	276	554469	26.068	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 05 23:00:00 2018
Response via : Initial Calibration

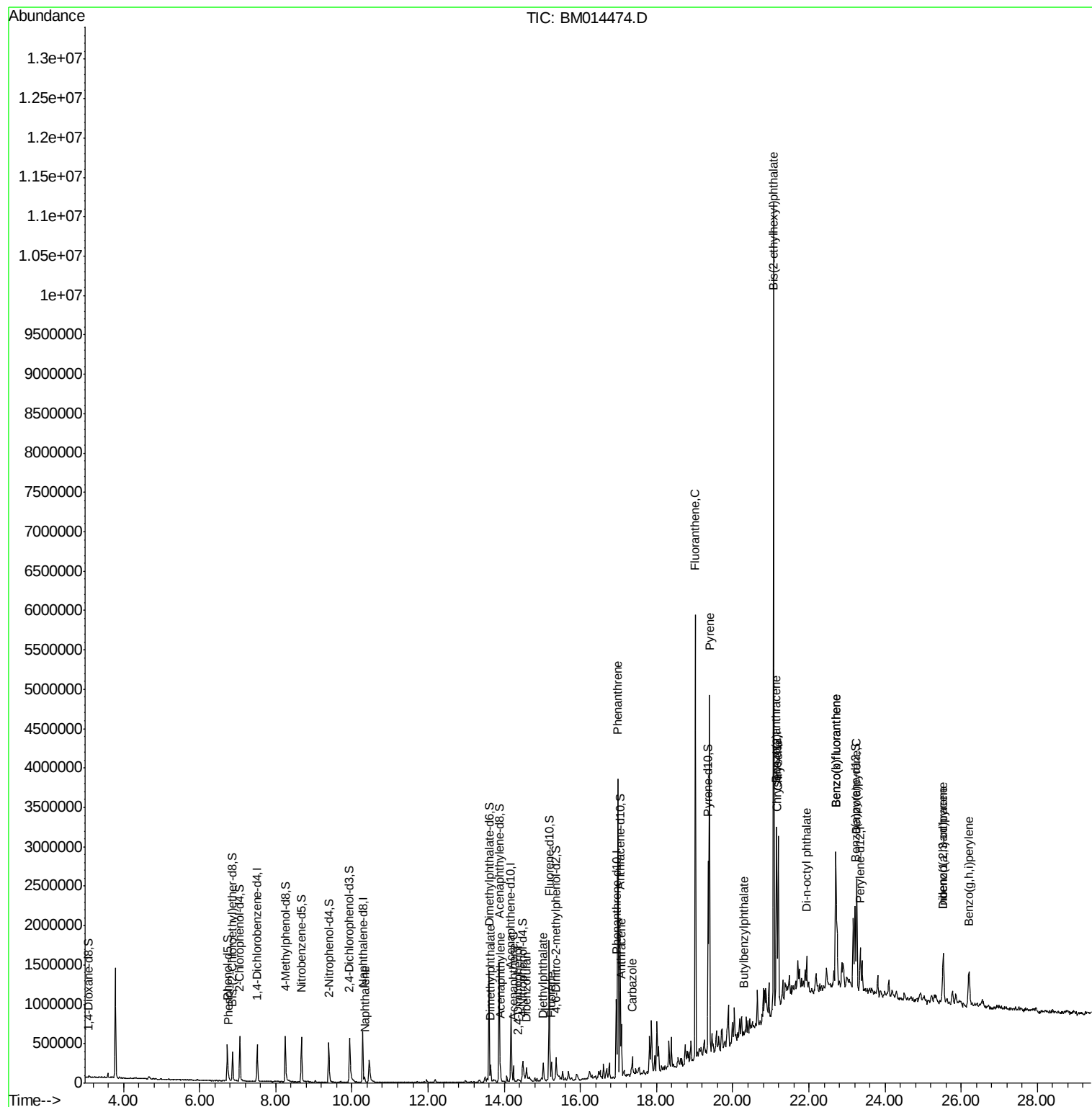
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	25.53	278	158446	8.965	ng/ul#	84
91) Benzo(g,h,i)perylene	26.21	276	438481	25.447	ng/ul	99

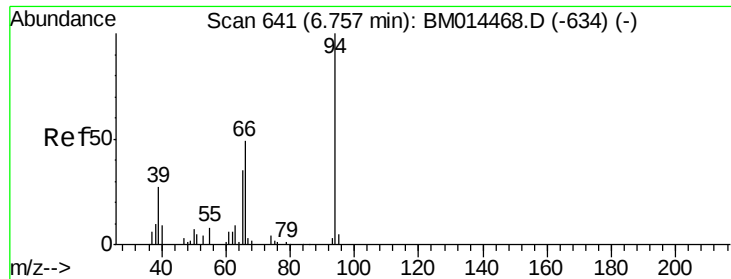
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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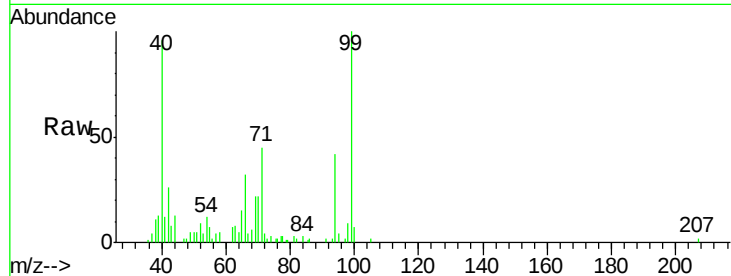
#6

Phenol

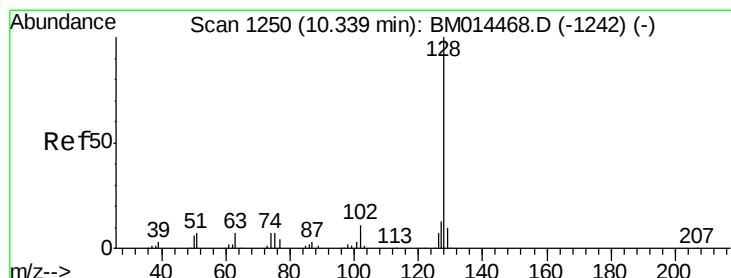
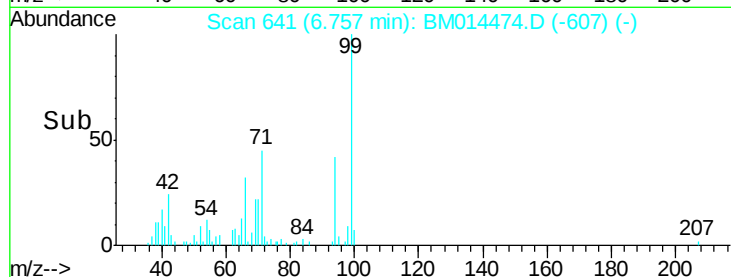
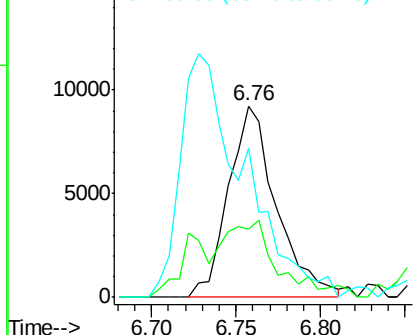
Concen: 2.011 ng/ul
 RT: 6.76 min Scan# 641
 Delta R.T. 0.00 min
 Lab File: BM014474.D
 Acq: 05 Mar 2018 15:47

Instrument :
 BNA_M
 ClientSampled :

Tot Ion: 94 Resp: 18219
 Ion Ratio Lower Upper
 94 100
 65 35.3 28.2 42.4
 66 77.7 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014474.D (-607) (-)
 Ion 65.00 (64.70 to 65.70): BM014474.D (-607) (-)
 Ion 66.00 (65.70 to 66.70): BM014474.D (-607) (-)

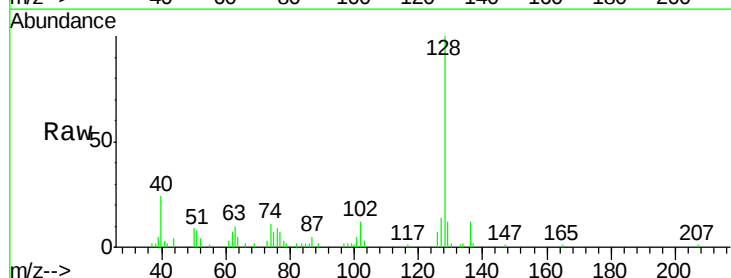


#28

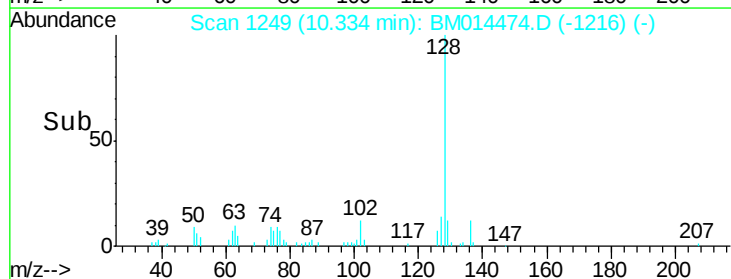
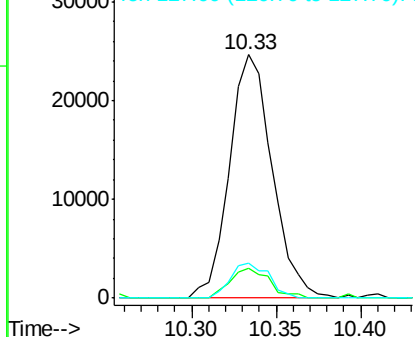
Naphthalene

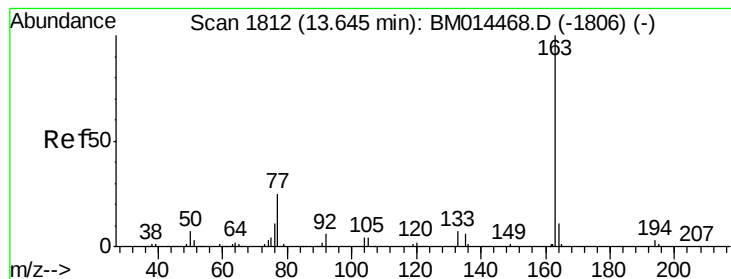
Concen: 1.873 ng/ul
 RT: 10.33 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BM014474.D
 Acq: 05 Mar 2018 15:47

Tgt Ion: 128 Resp: 43449
 Ion Ratio Lower Upper
 128 100
 129 12.2 8.8 13.2
 127 14.3 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): BM014474.D (-1216) (-)
 Ion 129.00 (128.70 to 129.70): BM014474.D (-1216) (-)
 Ion 127.00 (126.70 to 127.70): BM014474.D (-1216) (-)





#44

Dimethylphthalate

Concen: 4.776 ng/ul

RT: 13.65 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampled :

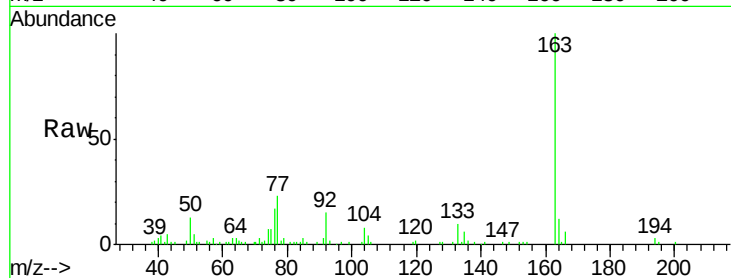
Tot Ion:163 Resp: 103714

Ion Ratio Lower Upper

163 100

194 3.4 3.5 5.3#

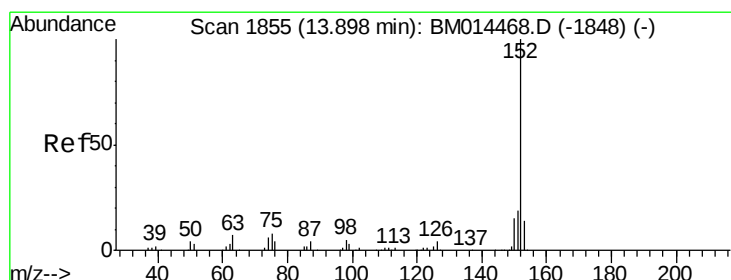
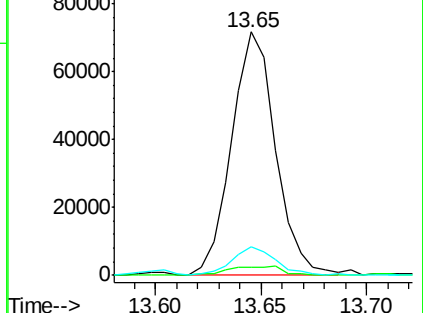
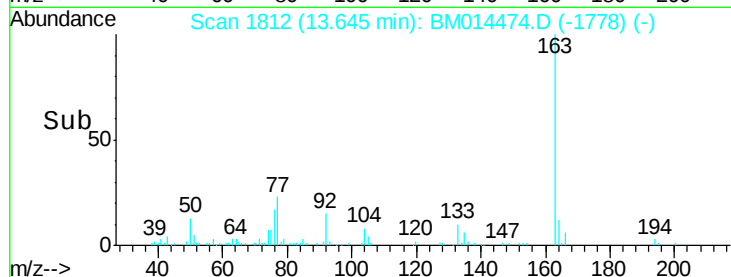
164 11.8 8.2 12.4



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: 4.276 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

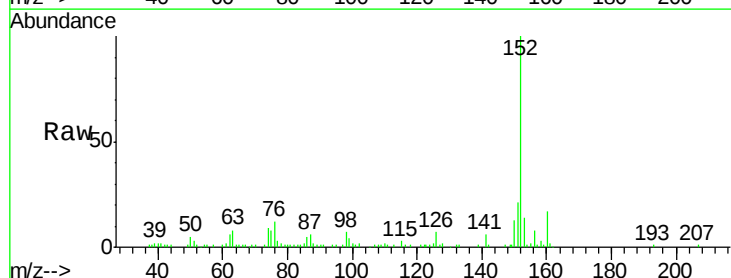
Tgt Ion:152 Resp: 109750

Ion Ratio Lower Upper

152 100

151 20.7 16.3 24.5

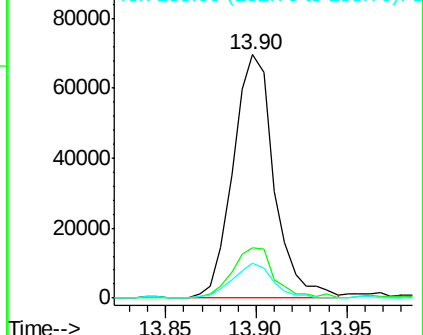
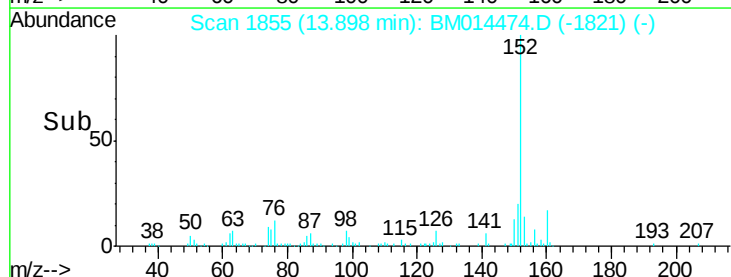
153 14.3 10.2 15.4

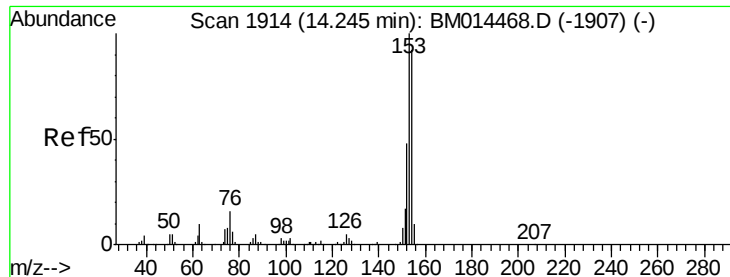


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 4.000 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampleId :

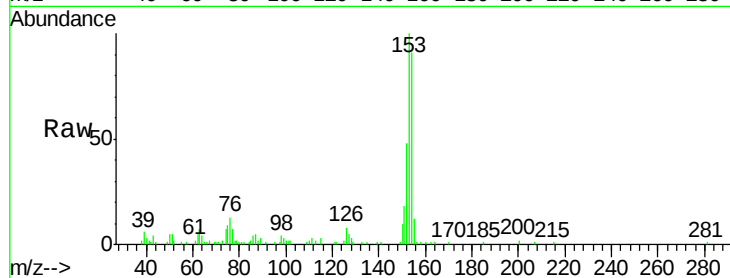
Tot Ion:153 Resp: 72290

Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

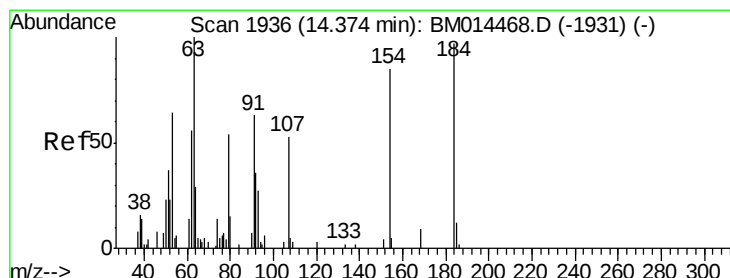
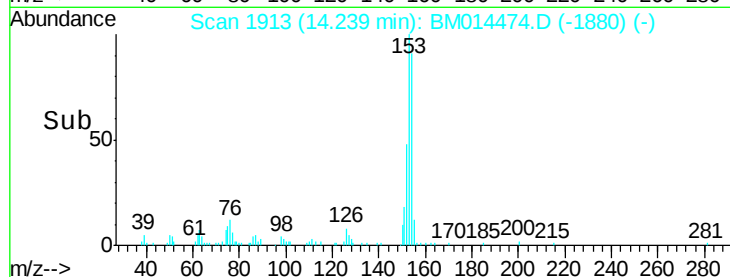
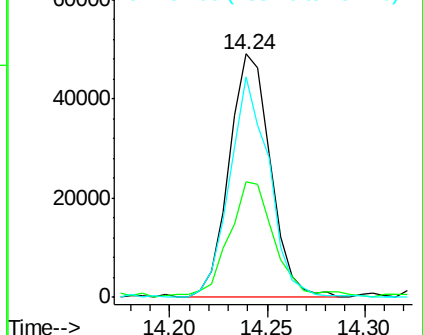
154 90.5 70.4 105.6



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



#50

2,4-Dinitrophenol

Concen: 1.049 ng/ul

RT: 14.35 min Scan# 1932

Delta R.T. -0.02 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

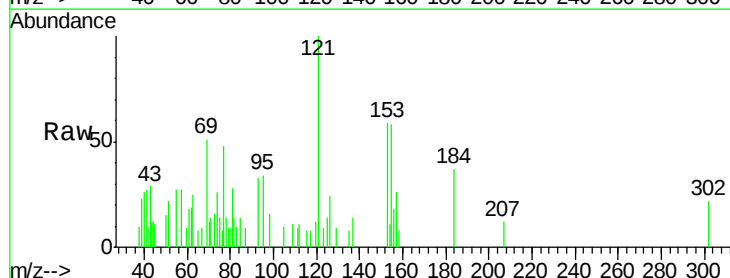
Tgt Ion:184 Resp: 2328

Ion Ratio Lower Upper

184 100

63 67.9 50.1 75.1

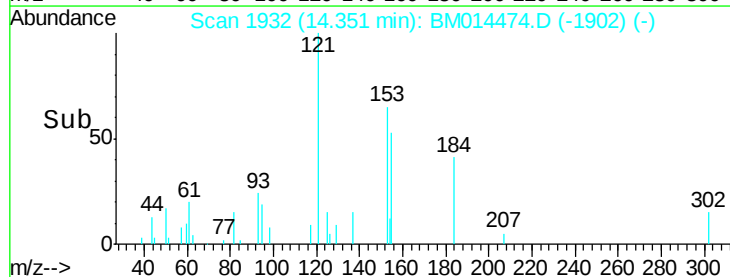
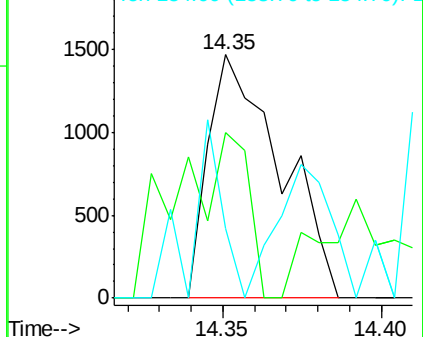
154 28.6 54.5 81.7#

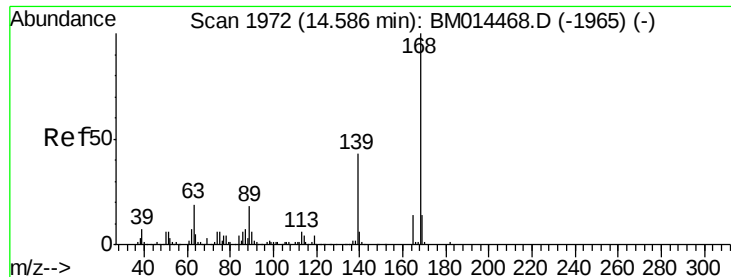


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 2.480 ng/ul

RT: 14.59 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

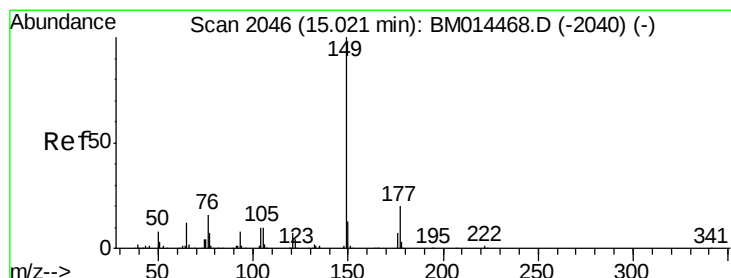
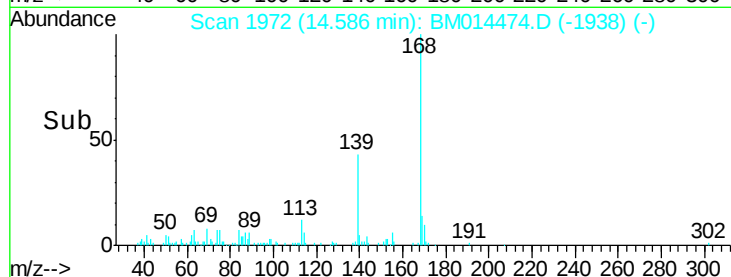
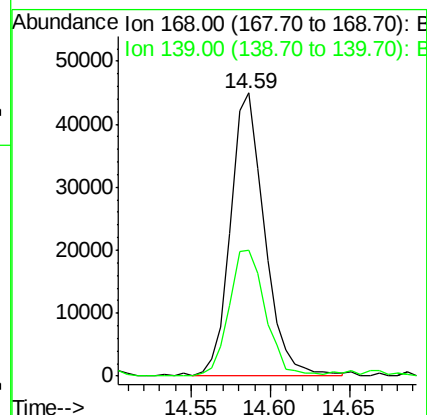
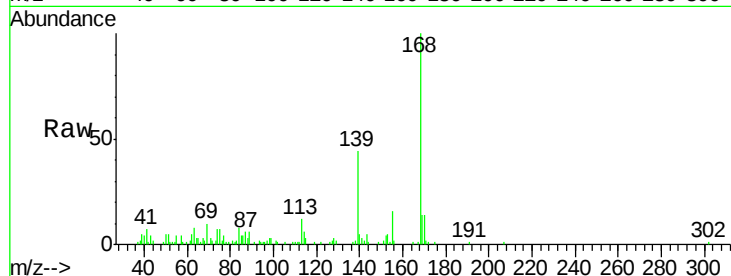
ClientSampleId :

Tot Ion:168 Resp: 67200

Ion Ratio Lower Upper

168 100

139 44.4 30.8 46.2



#56

Diethylphthalate

Concen: 3.577 ng/ul

RT: 15.02 min Scan# 2046

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

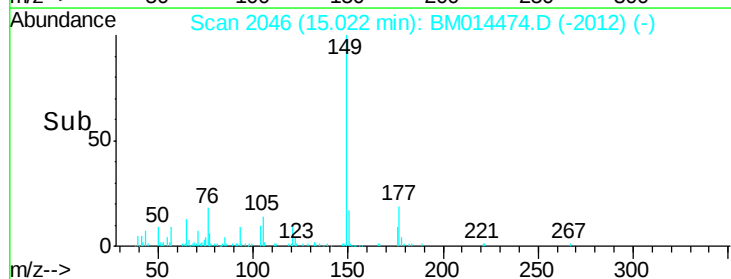
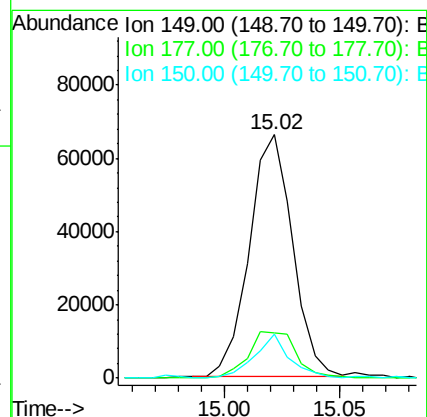
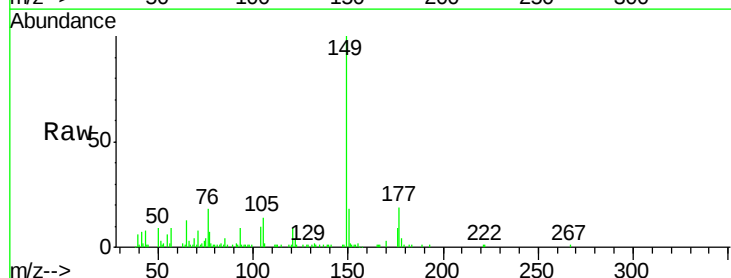
Tgt Ion:149 Resp: 86553

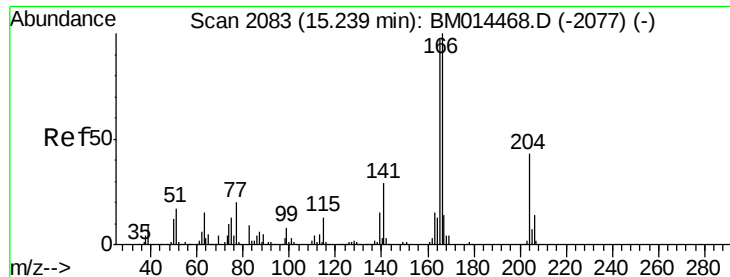
Ion Ratio Lower Upper

149 100

177 18.6 20.5 30.7#

150 17.8 10.6 15.8#





#58

Fluorene

Concen: 3.589 ng/ul

RT: 15.24 min Scan# 2083

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampleId :

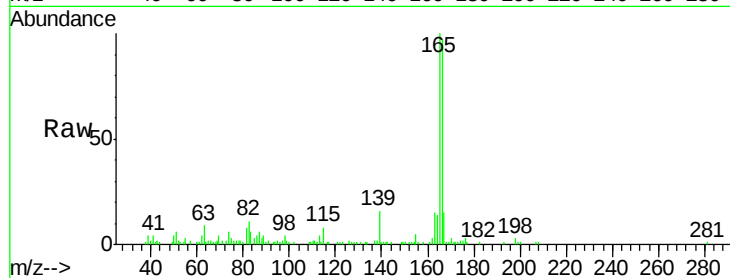
Tot Ion:166 Resp: 83962

Ion Ratio Lower Upper

166 100

165 103.1 77.9 116.9

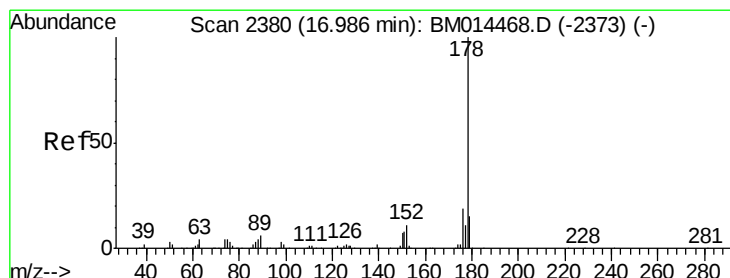
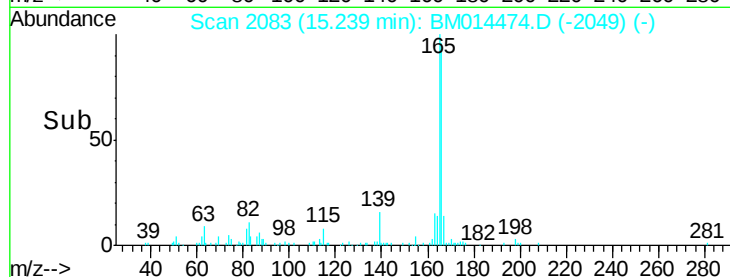
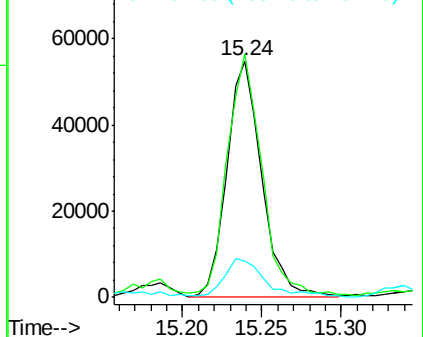
167 15.5 10.6 16.0



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: 68.113 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

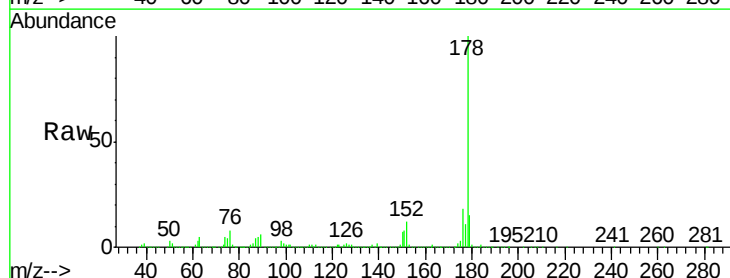
Tgt Ion:178 Resp: 1971552

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

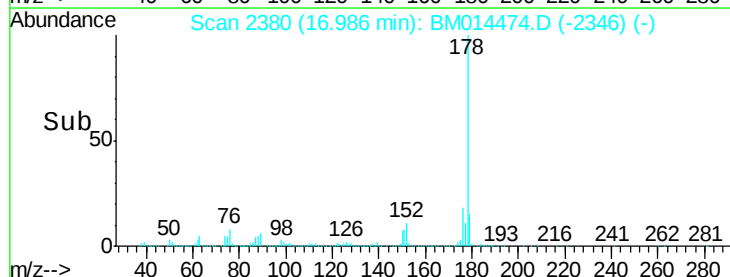
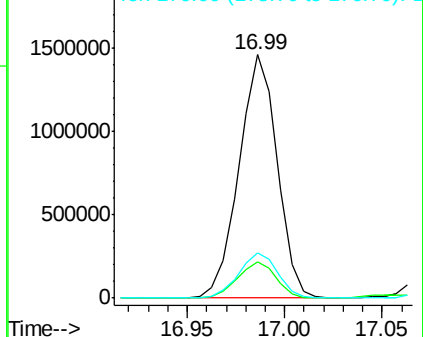
176 18.4 14.9 22.3

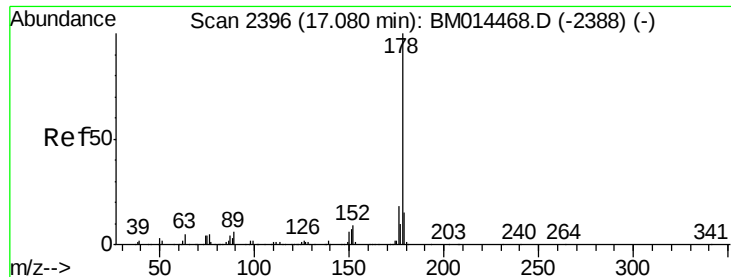


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

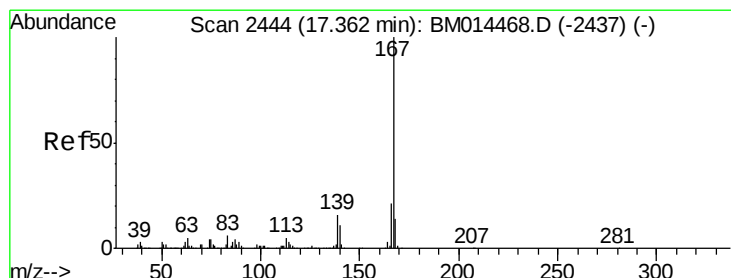
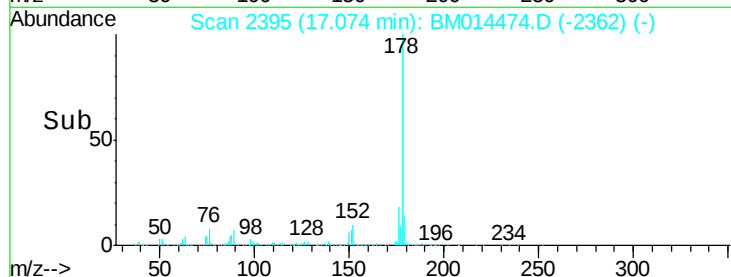
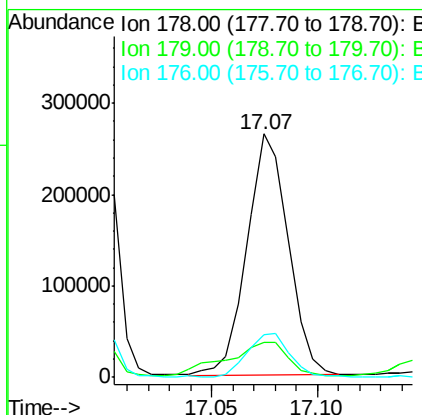
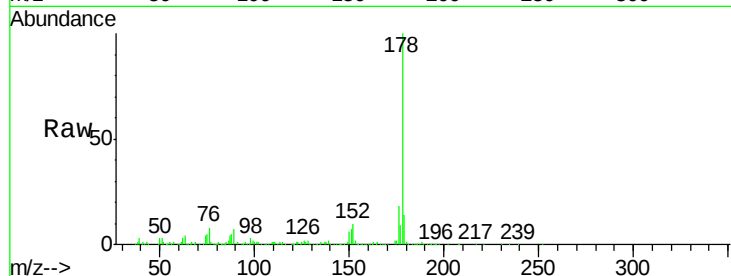




#71
 Anthracene
 Concen: 12.339 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.01 min
 Lab File: BM014474.D
 Acq: 05 Mar 2018 15:47

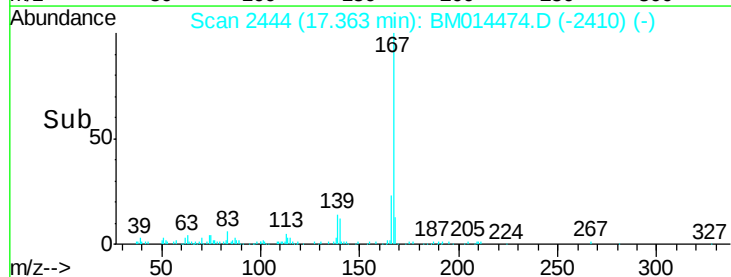
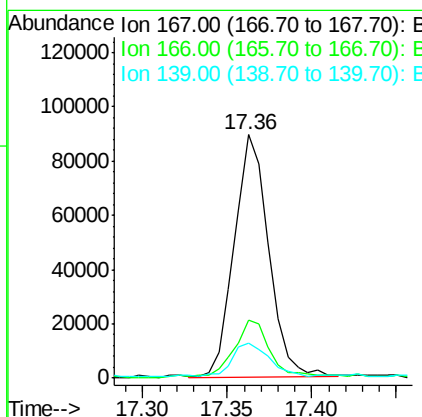
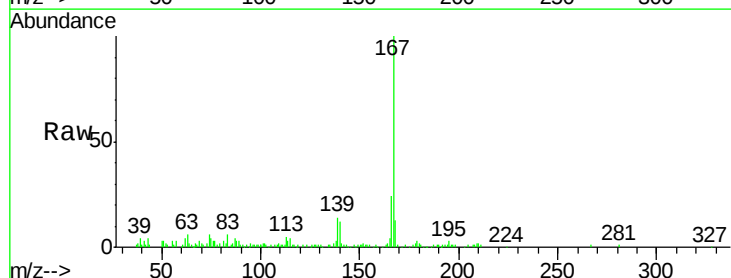
Instrument :
 BNA_M
 ClientSampleId :

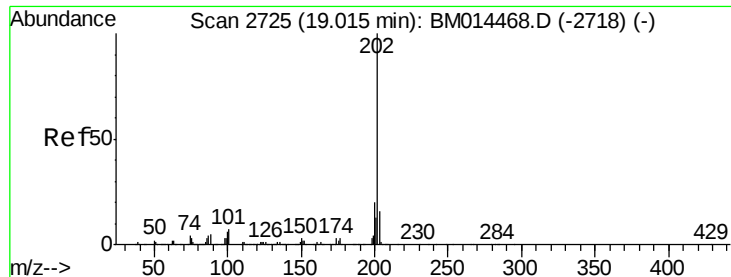
Tot Ion:178 Resp: 359195
 Ion Ratio Lower Upper
 178 100
 179 14.4 11.7 17.5
 176 17.7 14.6 21.8



#72
 Carbazole
 Concen: 5.217 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. 0.00 min
 Lab File: BM014474.D
 Acq: 05 Mar 2018 15:47

Tgt Ion:167 Resp: 127708
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.1 25.7
 139 14.2 10.0 15.0





#74

Fluoranthene

Concen: 84.300 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampleId :

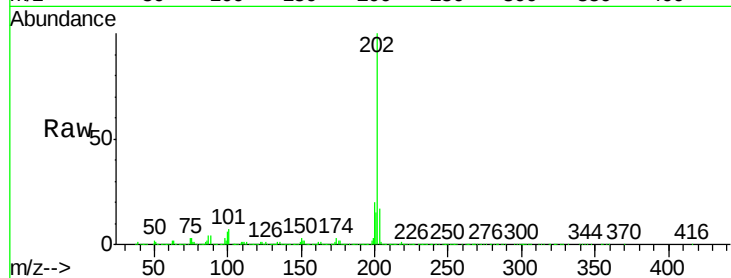
Tot Ion:202 Resp: 2915247

Ion Ratio Lower Upper

202 100

101 7.1 4.6 7.0#

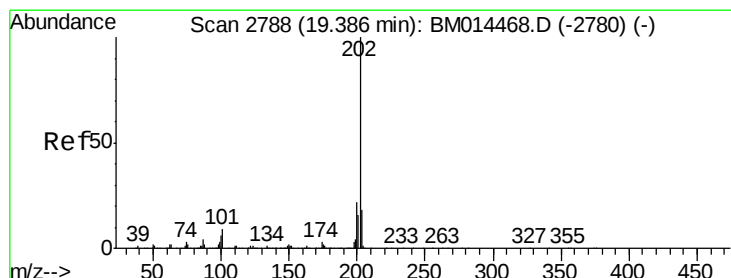
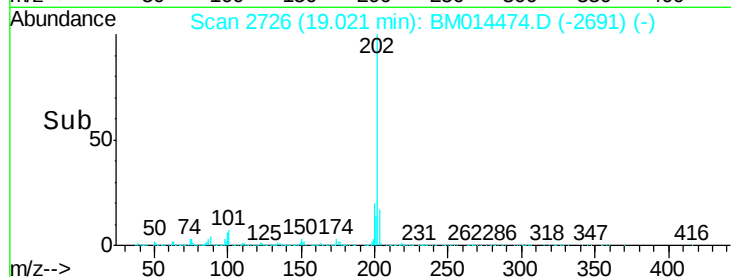
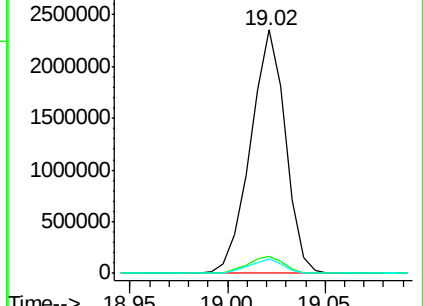
100 6.0 3.4 5.2#



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: 101.235 ng/ul

RT: 19.39 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

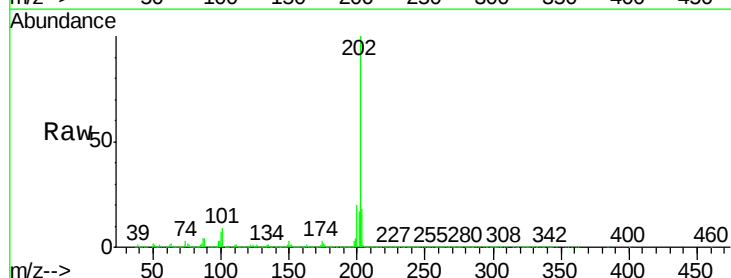
Tgt Ion:202 Resp: 2523166

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

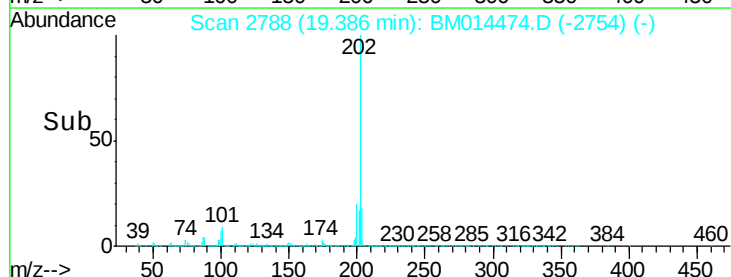
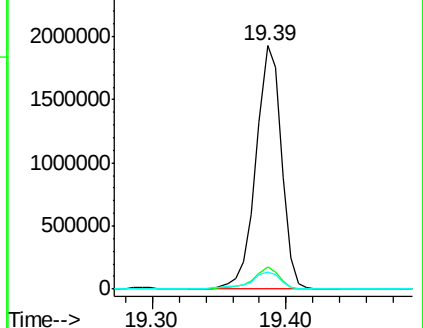
100 7.1 4.9 7.3

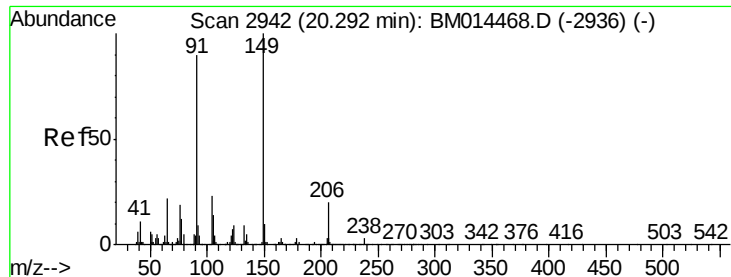


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

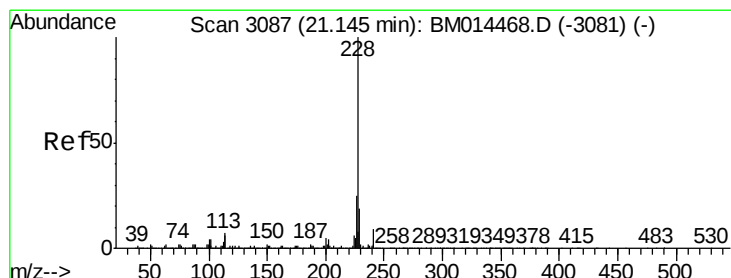
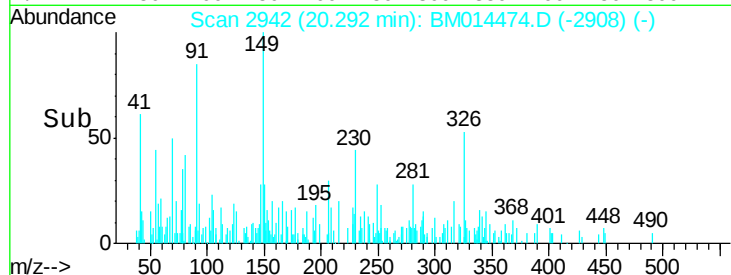
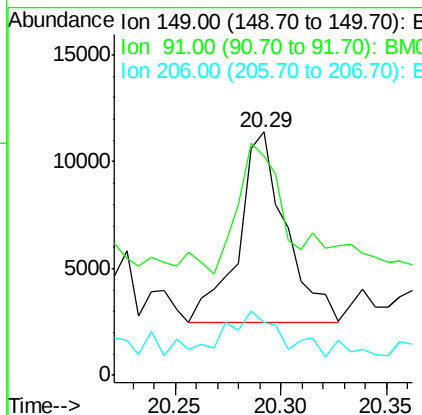
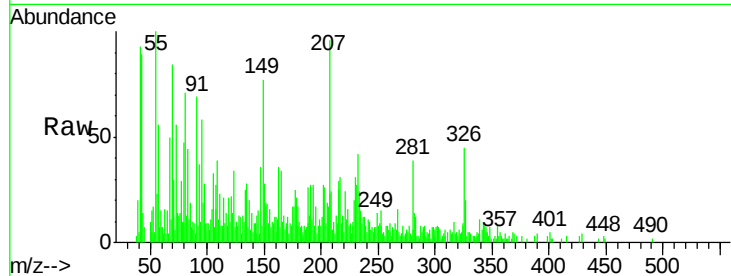




#78
Butylbenzylphthalate
Concen: 1.343 ng/ul
RT: 20.29 min Scan# 2942
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

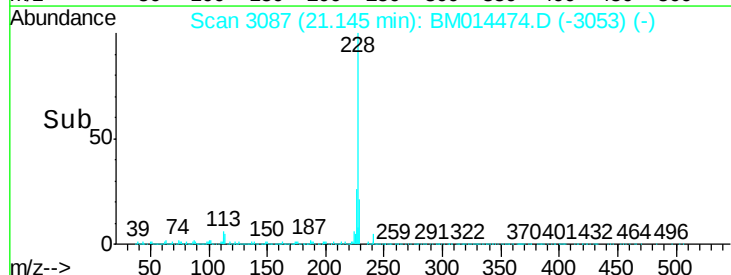
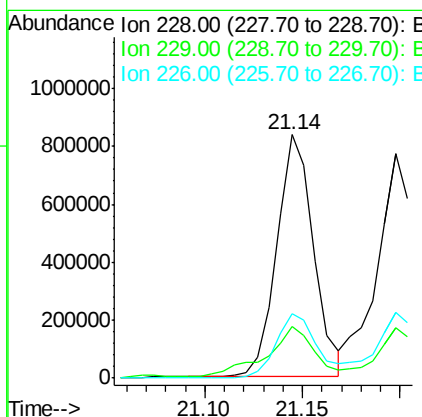
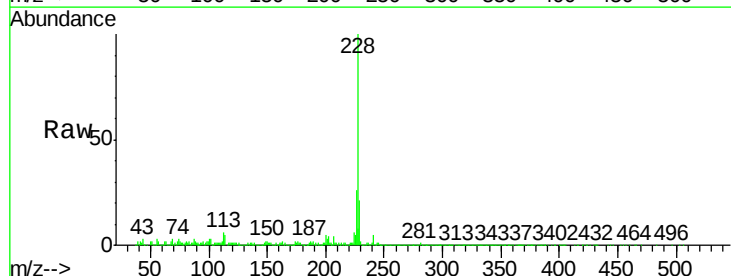
Instrument :
BNA_M
ClientSampleId :

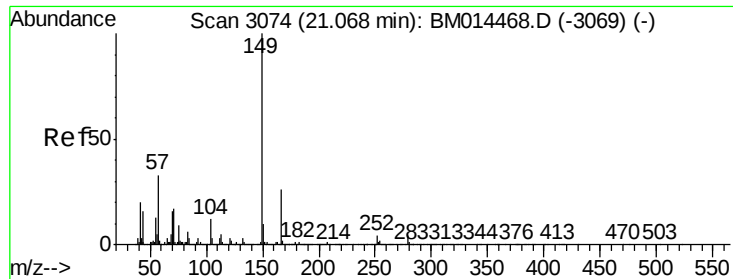
Tot Ion:149 Resp: 13845
Ion Ratio Lower Upper
149 100
91 89.8 62.7 94.1
206 21.7 20.8 31.2



#80
Benzo(a)anthracene
Concen: 46.486 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Tgt Ion:228 Resp: 1088057
Ion Ratio Lower Upper
228 100
229 21.2 15.4 23.0
226 26.5 21.4 32.0





#81

Bis(2-ethylhexyl)phthalate

Concen: 215.620 ng/ul

RT: 21.07 min Scan# 3075

Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

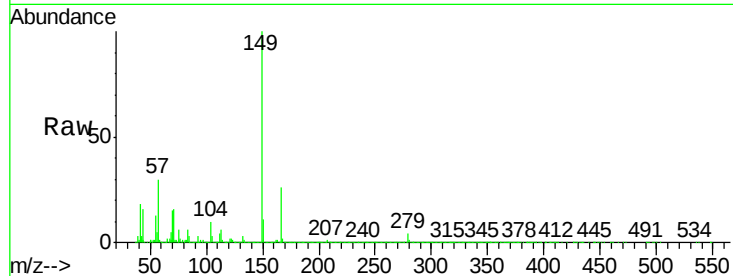
Instrument :

BNA_M

ClientSampleId :

Tot Ion:149 Resp: 3182371

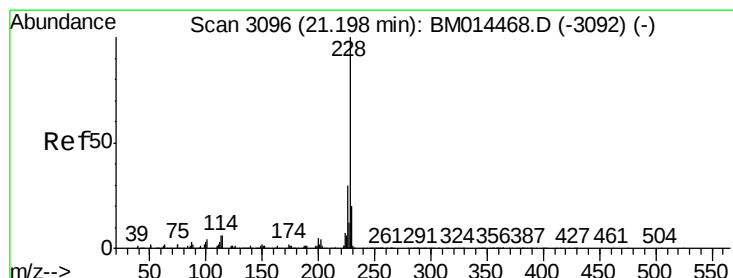
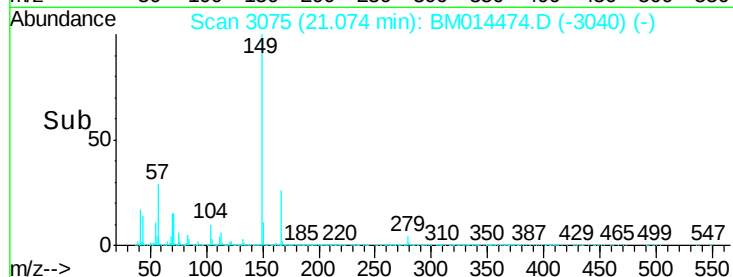
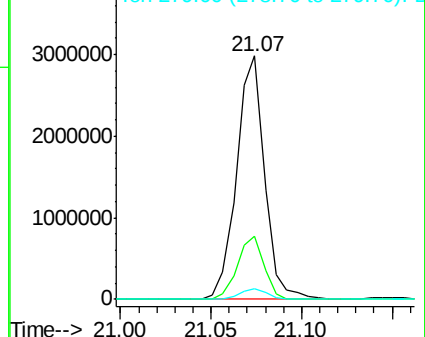
Ion	Ratio	Lower	Upper
149	100		
167	25.9	22.8	34.2
279	4.3	4.9	7.3



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: 45.156 ng/ul

RT: 21.20 min Scan# 3096

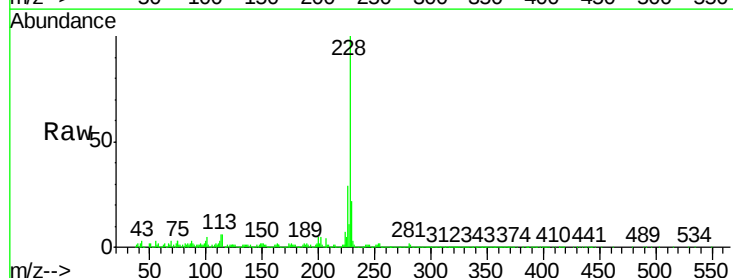
Delta R.T. 0.00 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Tgt Ion:228 Resp: 985980

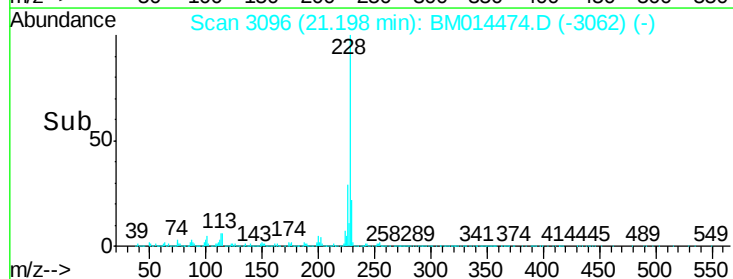
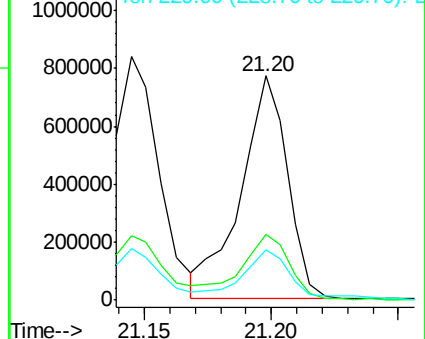
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.4	35.2
229	22.5	15.5	23.3

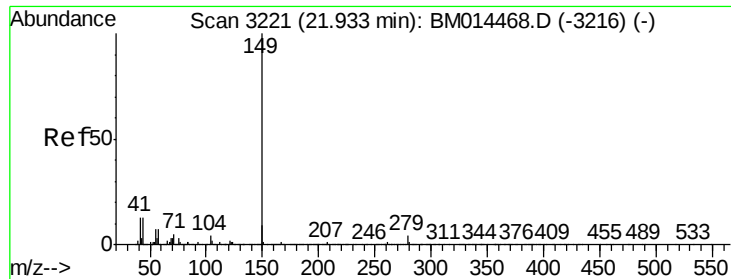


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Di-n-octyl phthalate

Concen: 8.902 ng/ul

RT: 21.94 min Scan# 3222

Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampleId :

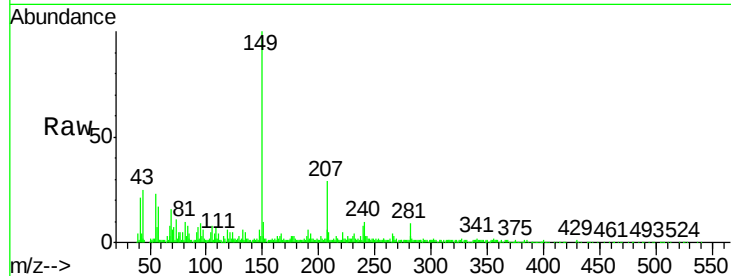
Tot Ion:149 Resp: 279862

Ion Ratio Lower Upper

149 100

167 4.1 1.3 1.9#

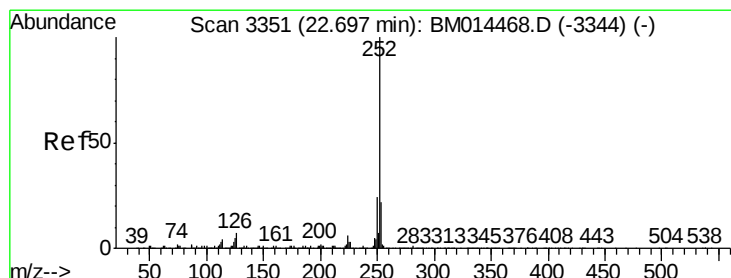
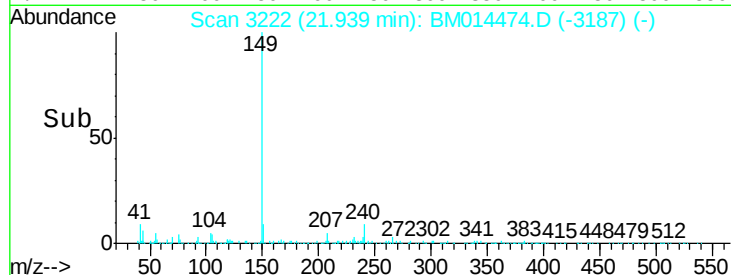
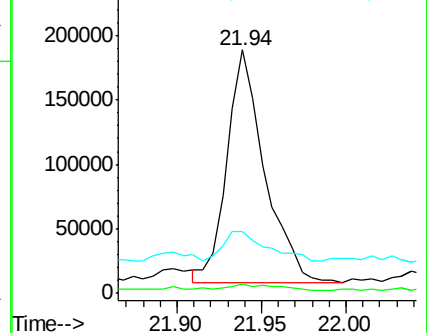
43 25.2 7.3 10.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Benzo(b)fluoranthene

Concen: 49.792 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

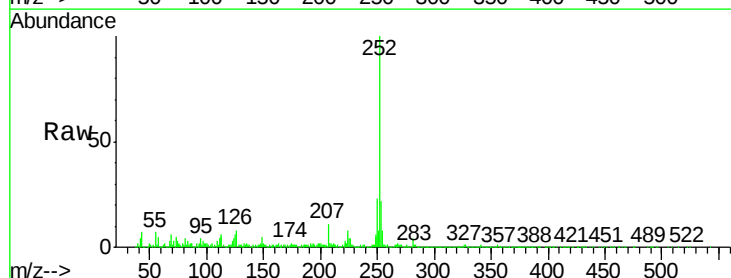
Tgt Ion:252 Resp: 1221386

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

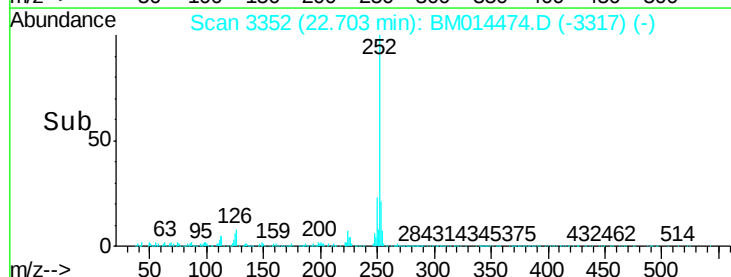
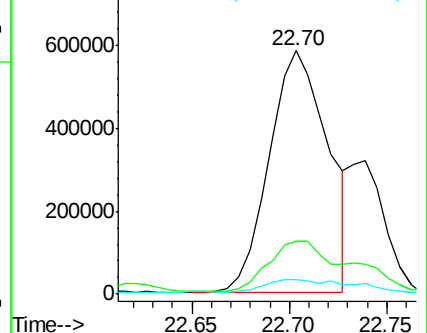
125 6.1 3.6 5.4#

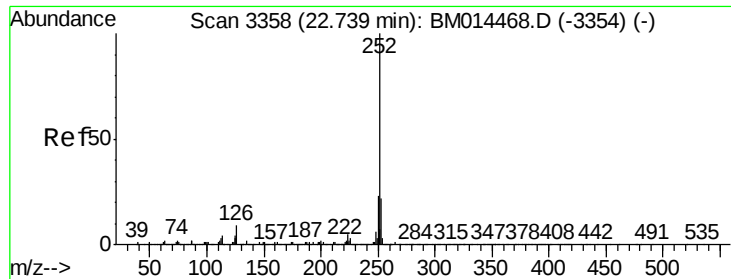


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

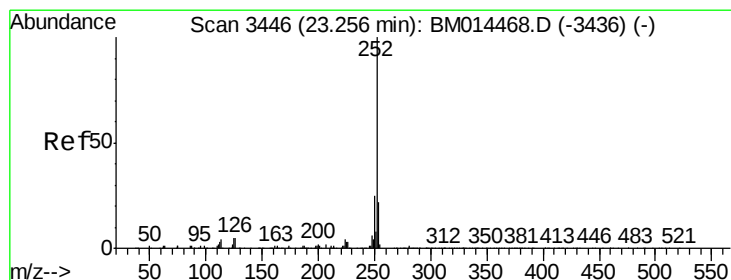
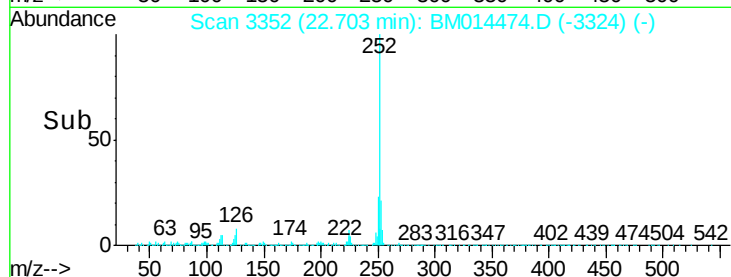
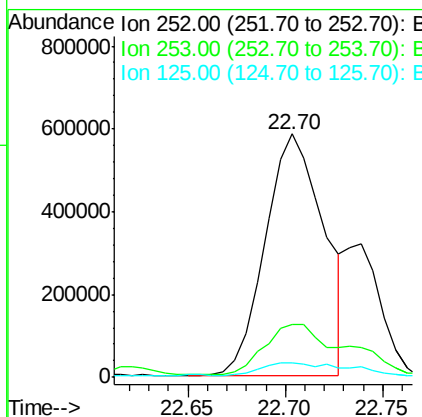
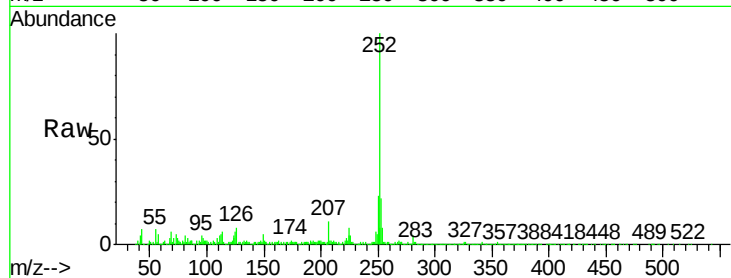




#86
Benzo(k)fluoranthene
Concen: 52.370 ng/ul
RT: 22.70 min Scan# 3352
Delta R.T. -0.04 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

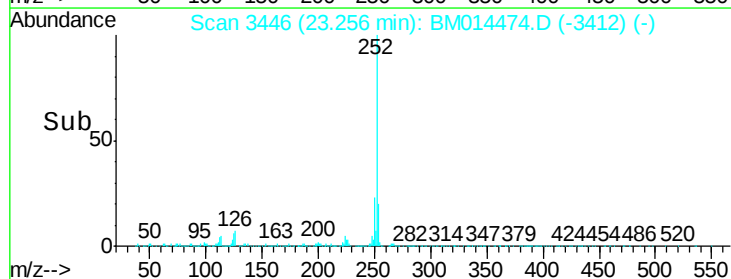
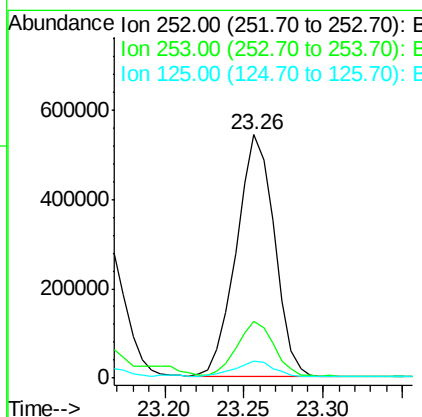
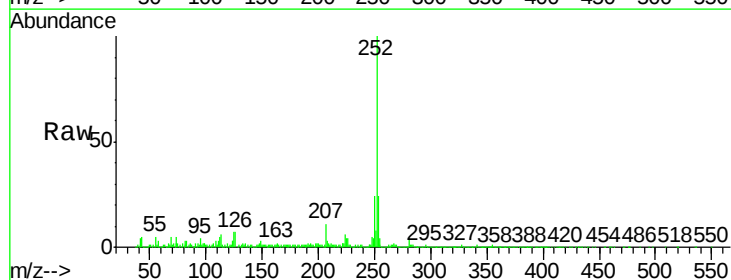
Instrument :
BNA_M
ClientSampleId :

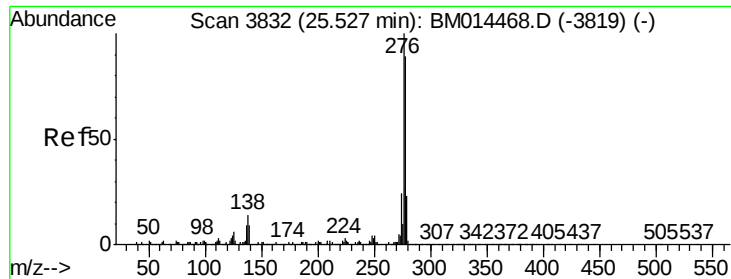
Tot Ion:252 Resp: 1221386
Ion Ratio Lower Upper
252 100
253 21.9 17.1 25.7
125 6.1 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 41.235 ng/ul
RT: 23.26 min Scan# 3446
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Tgt Ion:252 Resp: 903869
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 7.0 4.0 6.0#



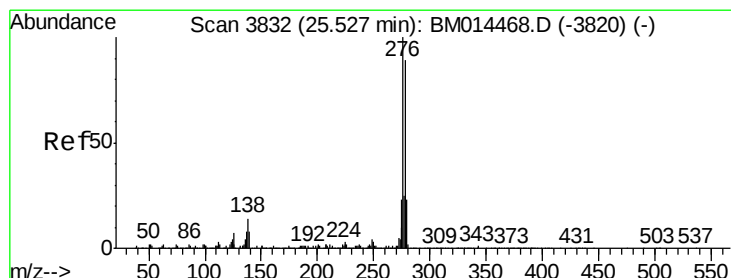
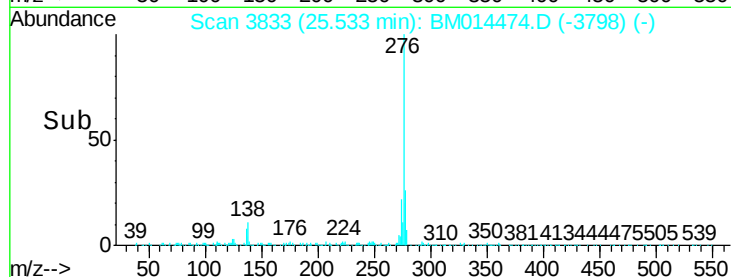
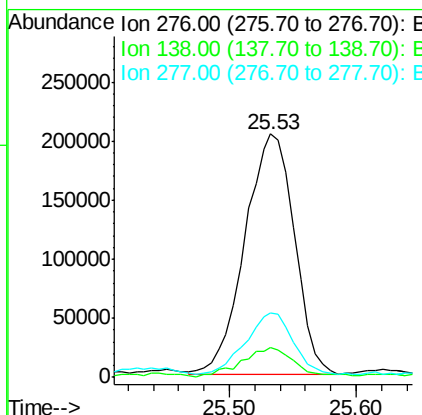
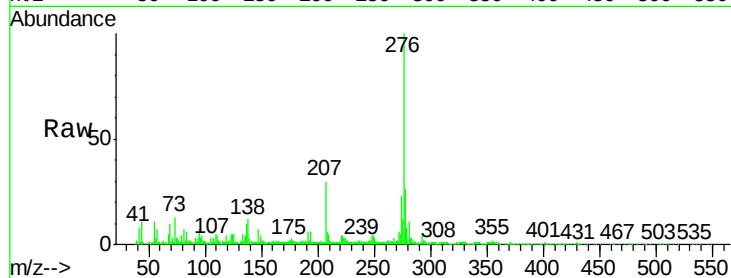


#89

Indeno(1,2,3-cd)pyrene
Concen: 26.068 ng/ul
RT: 25.53 min Scan# 3833
Delta R.T. 0.01 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Instrument :
BNA_M
ClientSampleId :

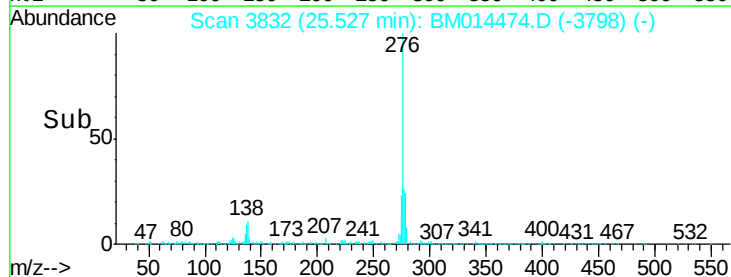
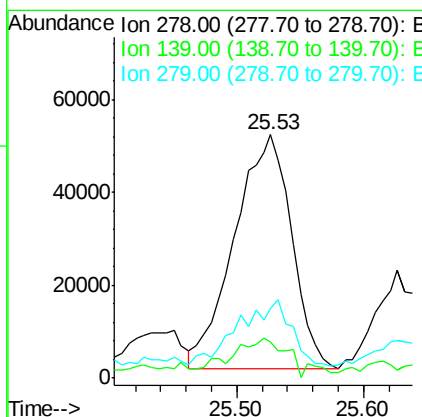
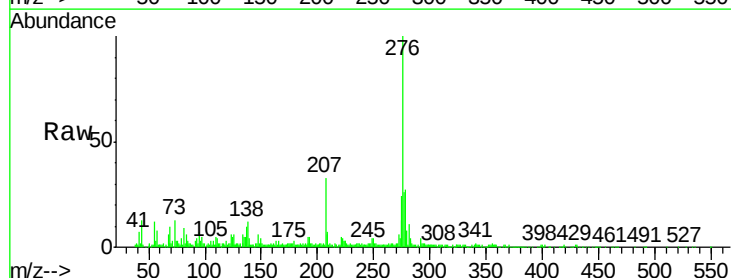
Tot Ion	Ratio	Lower	Upper
276	100		
138	12.1	9.3	13.9
277	26.5	19.9	29.9

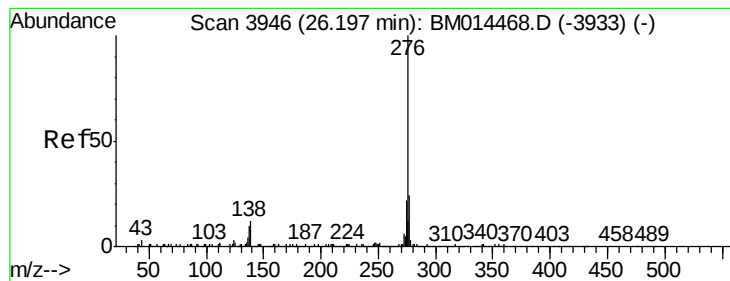


#90

Dibenzo(a,h)anthracene
Concen: 8.965 ng/ul
RT: 25.53 min Scan# 3832
Delta R.T. 0.00 min
Lab File: BM014474.D
Acq: 05 Mar 2018 15:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	5.8	8.8#
279	28.7	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 25.447 ng/ul

RT: 26.21 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM014474.D

Acq: 05 Mar 2018 15:47

Instrument :

BNA_M

ClientSampleId :

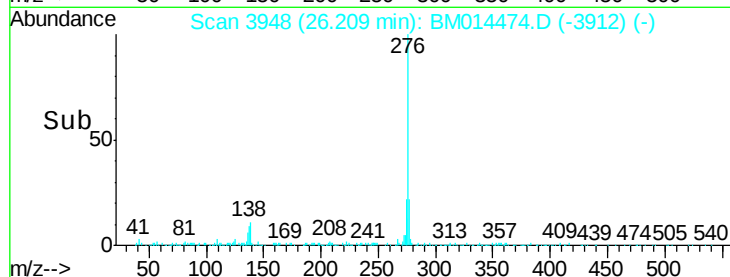
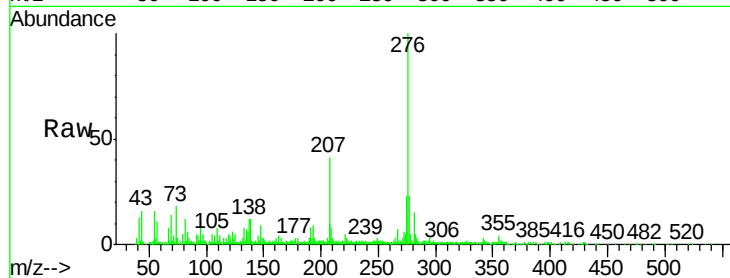
Tot Ion:276 Resp: 438481

Ion Ratio Lower Upper

276 100

138 11.8 8.5 12.7

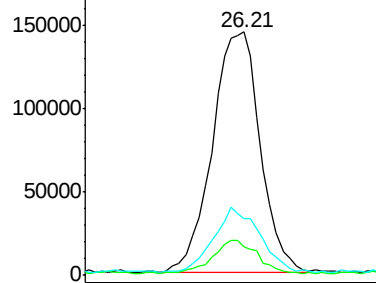
277 23.5 18.6 28.0



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



Time-->