

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042418\
 Data File : BM014826.D
 Acq On : 25 Apr 2018 01:05
 Operator : SJ/JU
 Sample : J2431-14DL 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 02:10:24 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 02:07:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.52	152	490693	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	2167145	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	1220968	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	2720860	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	2879040	20.00	ng/ul	0.00
83) Perylene-d12	24.41	264	2637829	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	1406	0.13	ng/uL	0.01
5) Phenol-d5	7.65	99	28469	0.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	22049	0.91	ng/ul	0.00
9) 2-Chlorophenol-d4	8.04	132	22826	0.72	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	21861	0.72	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	11933	0.76	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	9467	0.61	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	19449	0.61	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	42364	1.35	ng/ul	-0.02
43) Dimethylphthalate-d6	14.52	166	75879	0.80	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	73357	0.62	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	6246	0.35	ng/ul	0.00
57) Fluorene-d10	16.10	176	76158	0.92	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	4585	0.31	ng/ul	0.00
70) Anthracene-d10	17.93	188	101301	0.80	ng/ul	0.00
76) Pyrene-d10	20.17	212	115394	0.85	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.24	264	105998	0.82	ng/ul	-0.01

Target Compounds

					Ovalue
14) Acetophenone	9.33	105	83377	1.881	ng/ul# 25
17) Hexachloroethane	9.64	117	39884	3.120	ng/ul# 1
28) Naphthalene	11.42	128	1615396	15.297	ng/ul 99
30) 4-Chloroaniline	11.42	127	213688	7.035	ng/ul# 21
34) 2-Methylnaphthalene	12.99	142	1711008	23.331	ng/ul 98
40) 1,1'-Biphenyl	13.97	154	548738	5.589	ng/ul# 98
49) Acenaphthene	15.19	153	2929091	36.147	ng/ul 100
53) Dibenzofuran	15.52	168	2768210	24.601	ng/ul 100
58) Fluorene	16.16	166	2849982	31.367	ng/ul 99
60) 4-Nitroaniline	16.16	138	33621	1.733	ng/ul# 13
69) Phenanthrene	17.89	178	12627060	86.415	ng/ul 96
71) Anthracene	17.97	178	2132480	14.380	ng/ul 99
72) Carbazole	18.23	167	243165	1.922	ng/ul 98
74) Fluoranthene	19.84	202	8938390	56.106	ng/ul# 81
77) Pyrene	20.20	202	6516275	38.738	ng/ul# 80
78) Butylbenzylphthalate	21.04	149	70268	1.024	ng/ul# 92
80) Benzo(a)anthracene	21.91	228	2018252	11.988	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.79	149	695192	6.901	ng/ul# 95
82) Chrysene	21.96	228	1502062	9.530	ng/ul 96
85) Benzo(b)fluoranthene	23.65	252	1187813	7.639	ng/ul# 94
86) Benzo(k)fluoranthene	23.65	252	1187813	7.944	ng/ul# 92
88) Benzo(a)pyrene	24.30	252	695891	4.718	ng/ul# 94
89) Indeno(1,2,3-cd)pyrene	26.98	276	200484	1.124	ng/ul# 89

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 25 02:07:23 2018
Response via : Initial Calibration

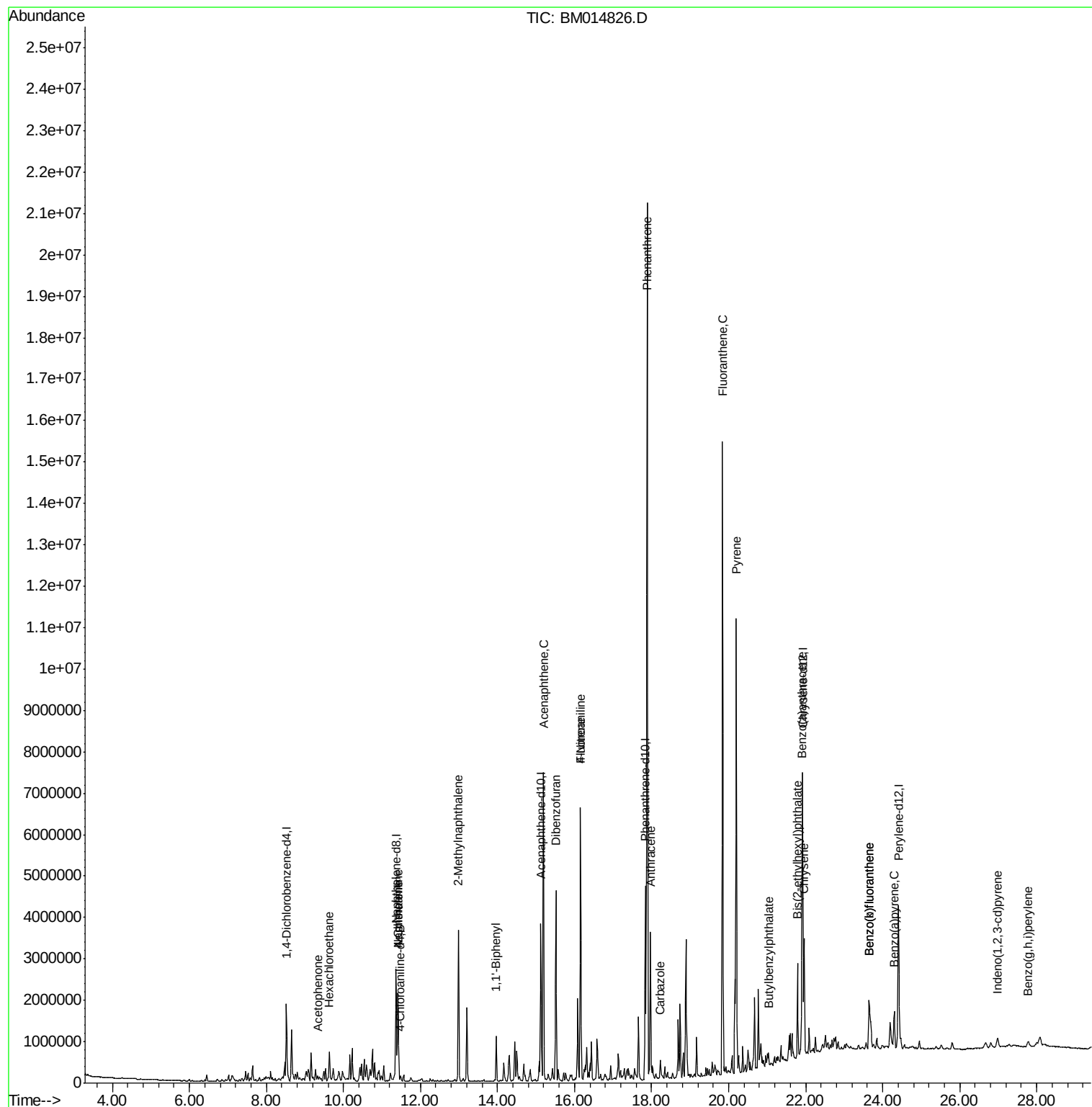
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(q,h,i)perylene	27.78	276	158863	1.082	ng/ul#	89

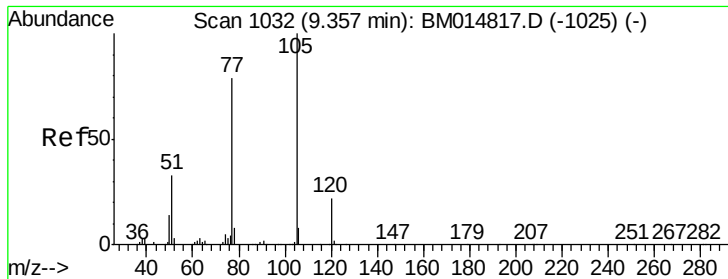
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Acetophenone

Concen: 1.881 ng/ul

RT: 9.33 min Scan# 1028

Delta R.T. -0.02 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampled :

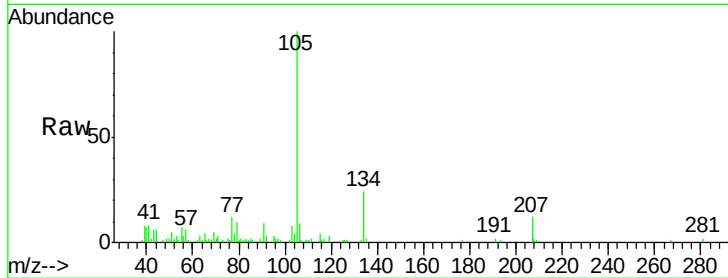
Tot Ion:105 Resp: 83377

Ion Ratio Lower Upper

105 100

77 12.1 74.2 111.4#

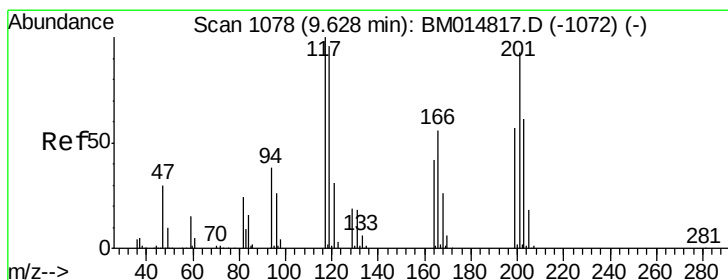
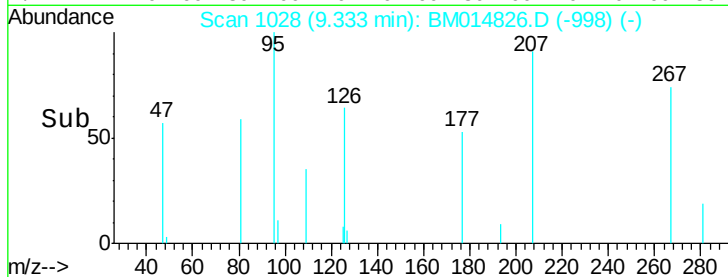
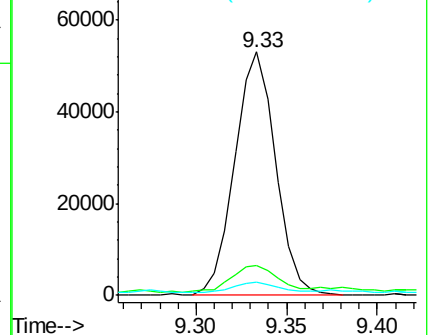
51 5.2 23.4 35.2#



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 51.00 (50.70 to 51.70): BM0



#17

Hexachloroethane

Concen: 3.120 ng/ul

RT: 9.64 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

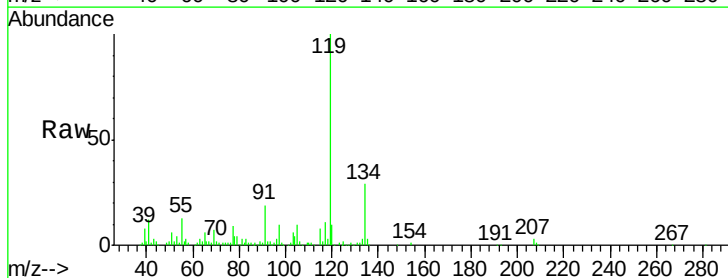
Tgt Ion:117 Resp: 39884

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

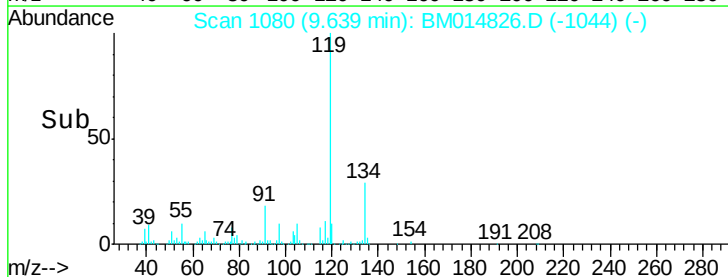
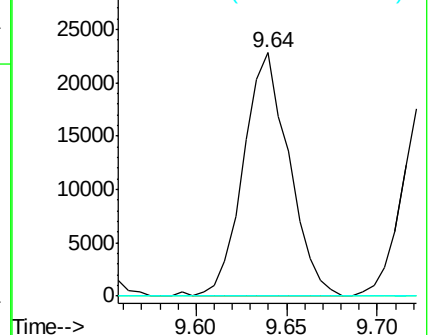
199 0.0 67.8 101.6#

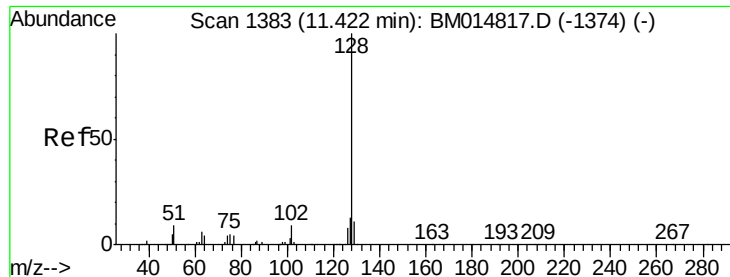


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 15.297 ng/ul

RT: 11.42 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampleId :

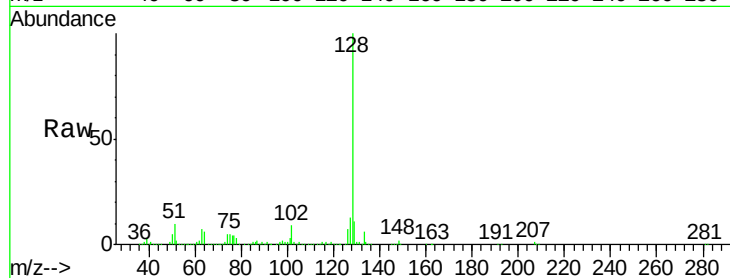
Tot Ion:128 Resp: 1615396

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

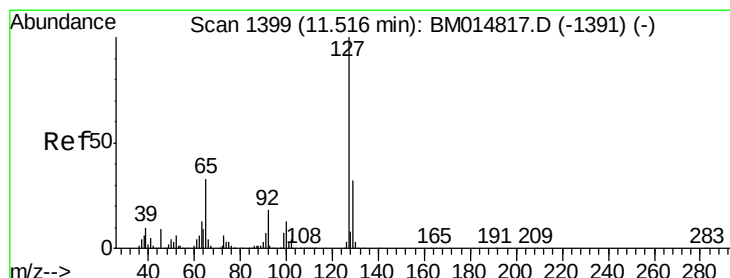
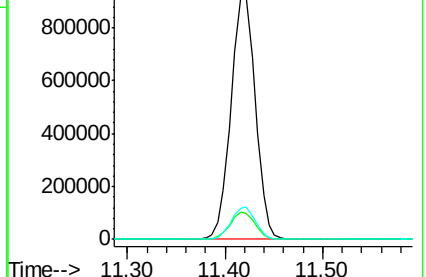
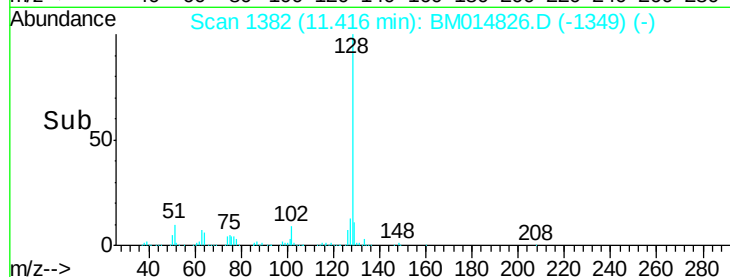
127 13.0 10.6 16.0



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



#30

4-Chloroaniline

Concen: 7.035 ng/ul

RT: 11.42 min Scan# 1383

Delta R.T. -0.09 min

Lab File: BM014826.D

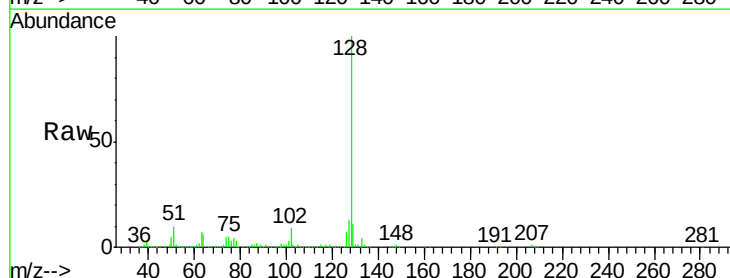
Acq: 25 Apr 2018 01:05

Tgt Ion:127 Resp: 213688

Ion Ratio Lower Upper

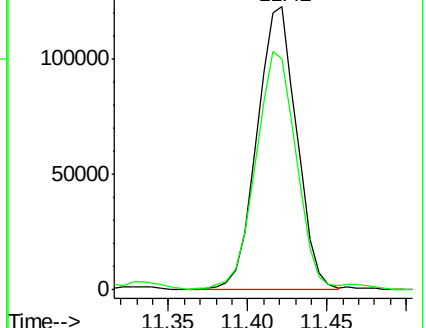
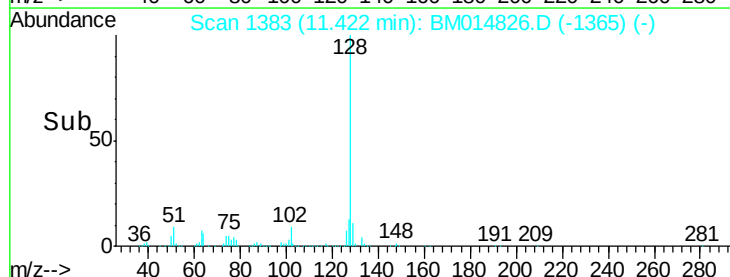
127 100

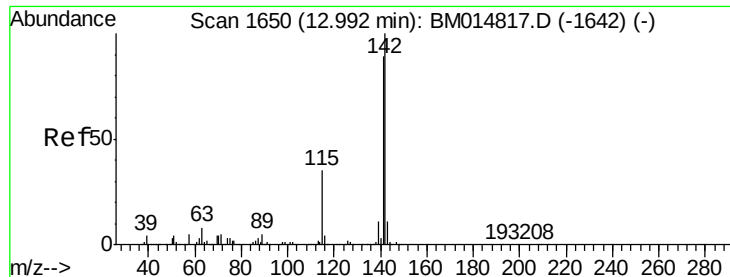
129 81.7 28.4 42.6#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

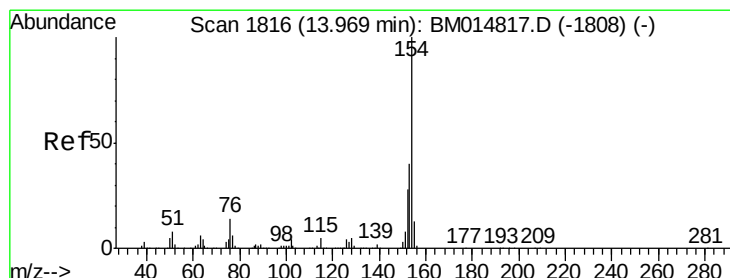
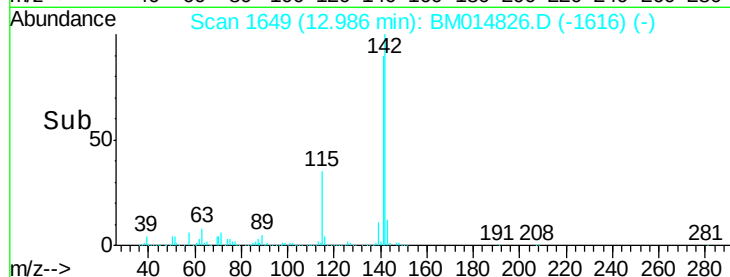
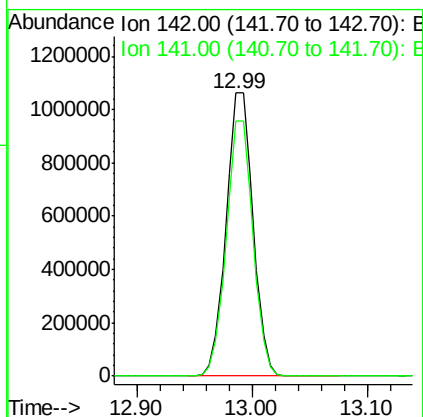
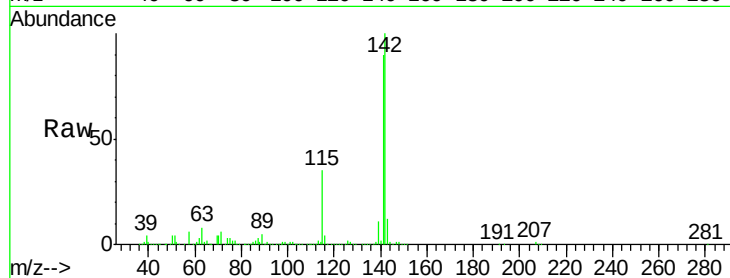




#34
 2-Methylnaphthalene
 Concen: 23.331 ng/ul
 RT: 12.99 min Scan# 1649
 Delta R.T. -0.01 min
 Lab File: BM014826.D
 Acq: 25 Apr 2018 01:05

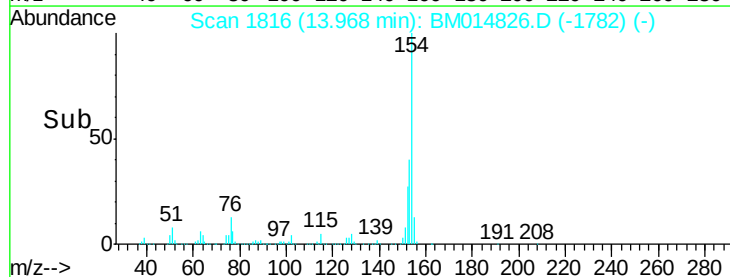
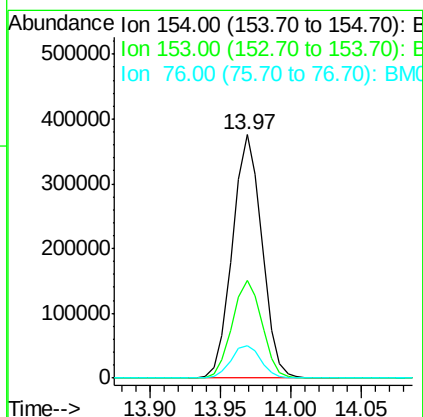
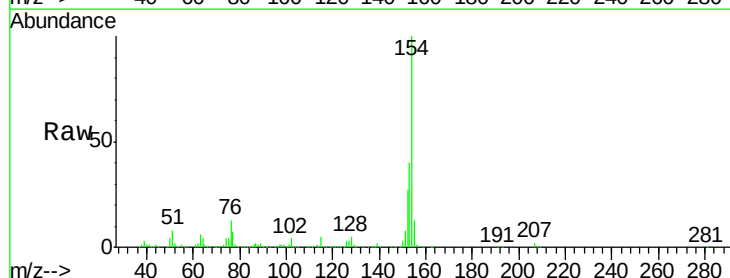
Instrument :
 BNA_M
 ClientSampleId :

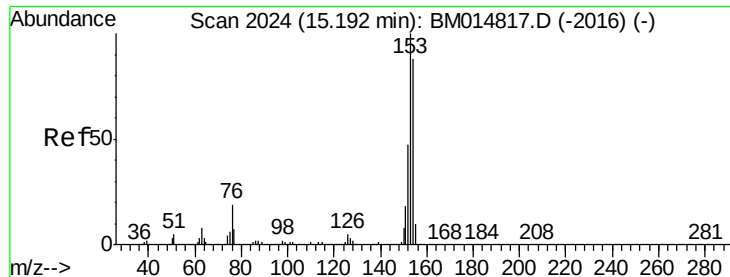
Tot Ion:142 Resp: 1711008
 Ion Ratio Lower Upper
 142 100
 141 90.3 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 5.589 ng/ul
 RT: 13.97 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: BM014826.D
 Acq: 25 Apr 2018 01:05

Tgt Ion:154 Resp: 548738
 Ion Ratio Lower Upper
 154 100
 153 40.0 32.6 48.8
 76 13.2 8.5 12.7#





#49

Acenaphthene

Concen: 36.147 ng/ul

RT: 15.19 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampleId :

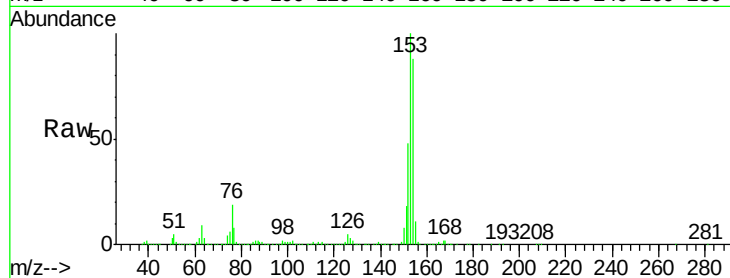
Tot Ion:153 Resp: 2929091

Ion Ratio Lower Upper

153 100

152 47.6 37.6 56.4

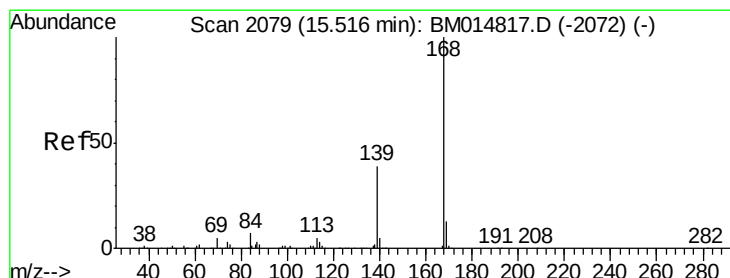
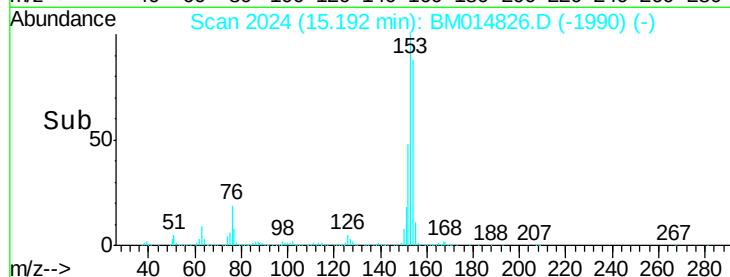
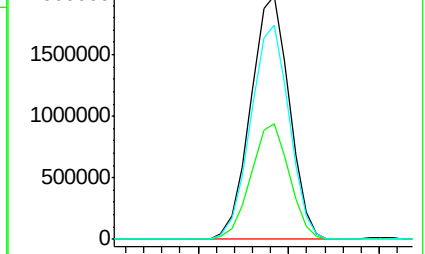
154 88.0 70.4 105.6



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 24.601 ng/ul

RT: 15.52 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BM014826.D

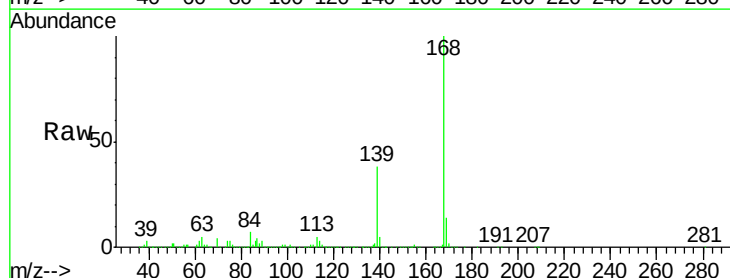
Acq: 25 Apr 2018 01:05

Tgt Ion:168 Resp: 2768210

Ion Ratio Lower Upper

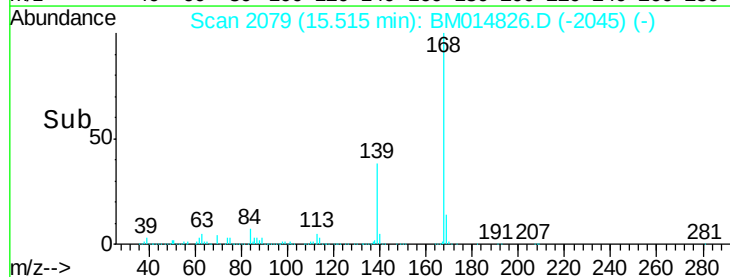
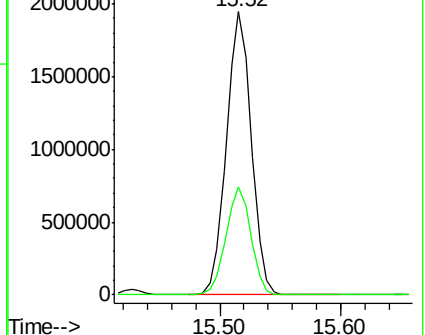
168 100

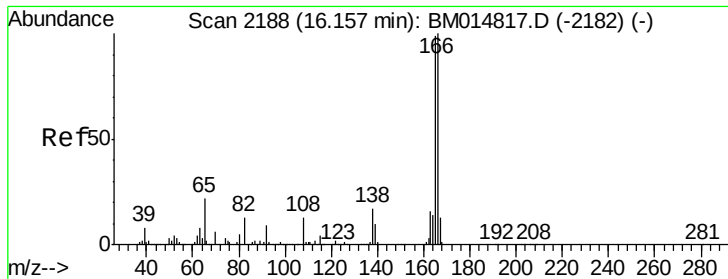
139 38.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 31.367 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampleId :

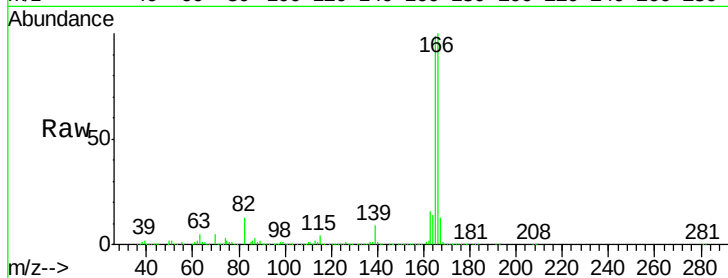
Tot Ion:166 Resp: 2849982

Ion Ratio Lower Upper

166 100

165 98.5 77.9 116.9

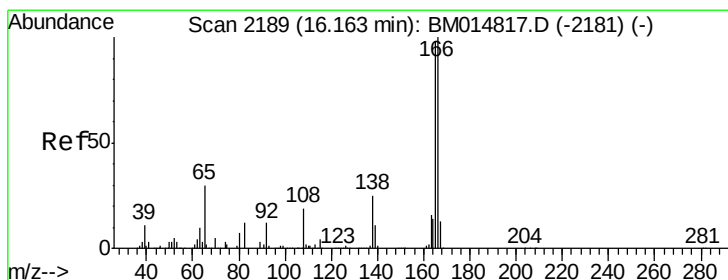
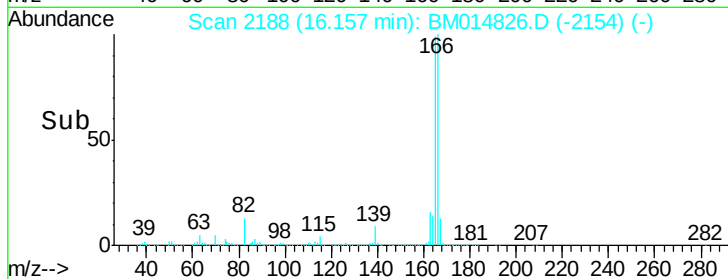
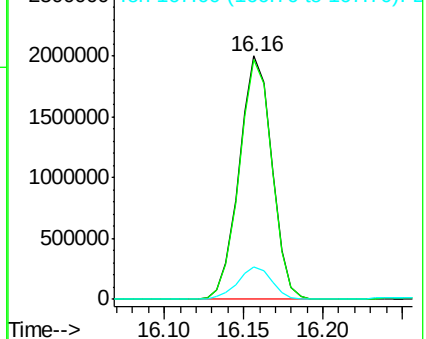
167 13.4 10.6 16.0



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



#60

4-Nitroaniline

Concen: 1.733 ng/ul

RT: 16.16 min Scan# 2188

Delta R.T. -0.01 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

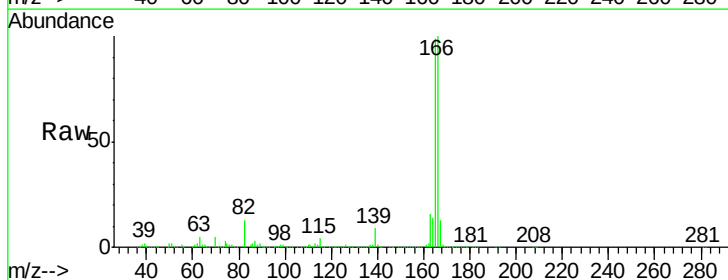
Tgt Ion:138 Resp: 33621

Ion Ratio Lower Upper

138 100

92 2.6 40.0 60.0#

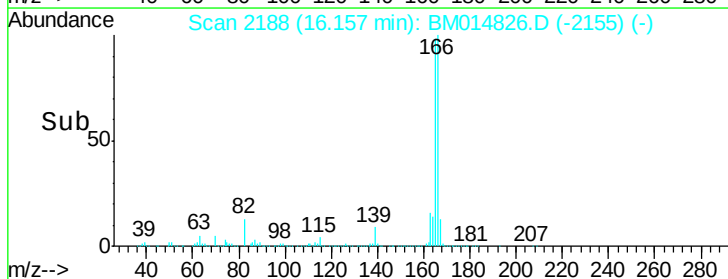
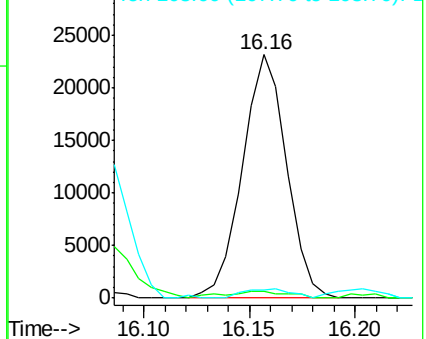
108 3.4 80.0 120.0#

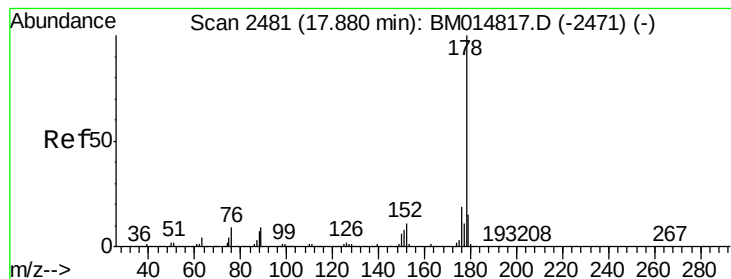


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 86.415 ng/ul

RT: 17.89 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampled :

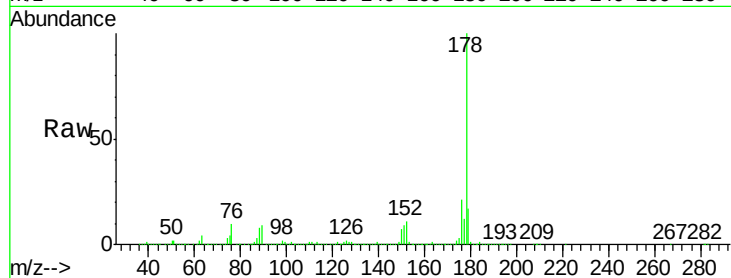
Tot Ion:178 Resp:12627060

Ion Ratio Lower Upper

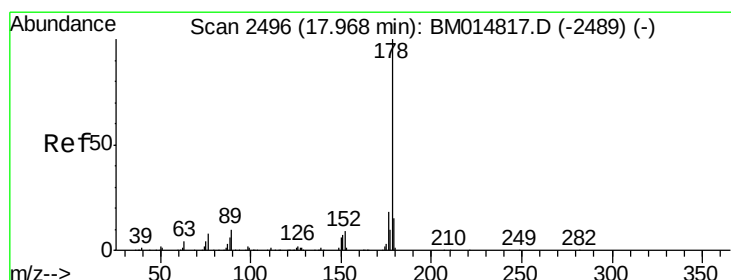
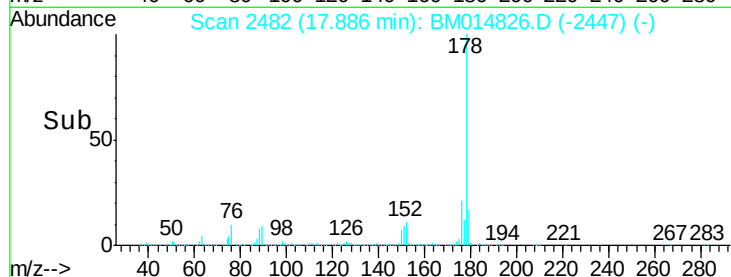
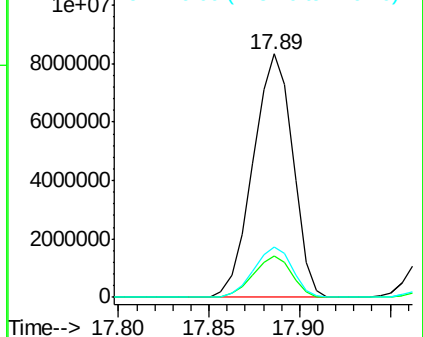
178 100

179 16.8 12.6 19.0

176 20.8 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: 14.380 ng/ul

RT: 17.97 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

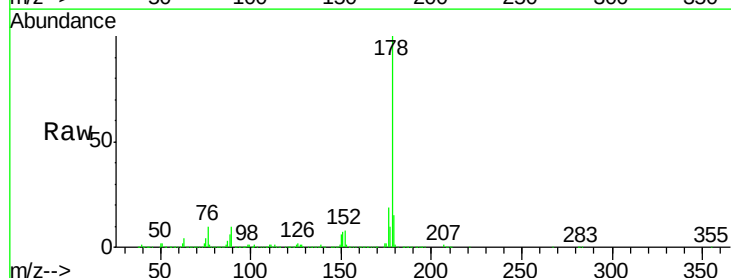
Tgt Ion:178 Resp: 2132480

Ion Ratio Lower Upper

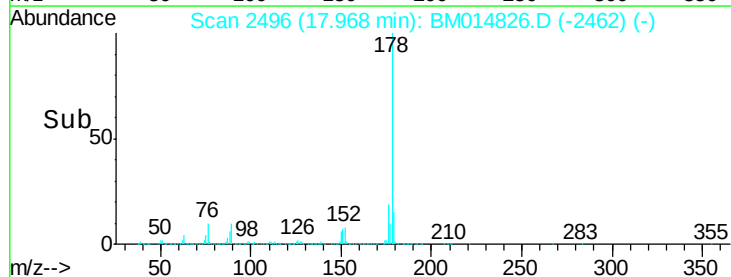
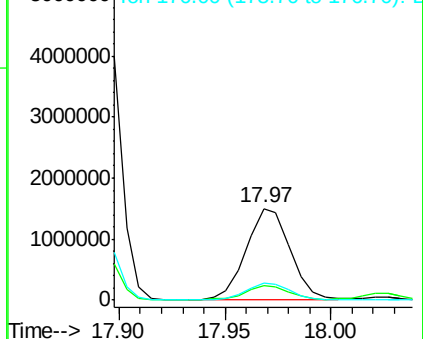
178 100

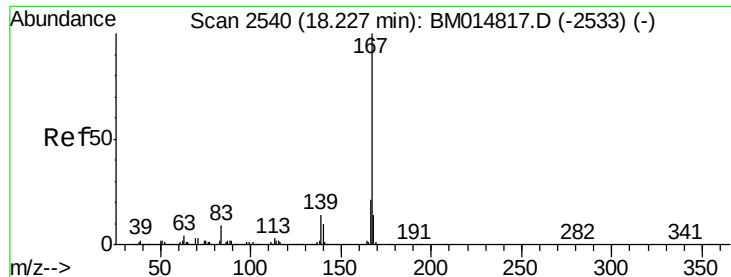
179 15.3 11.7 17.5

176 18.6 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: 1.922 ng/ul

RT: 18.23 min Scan# 2540

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampleId :

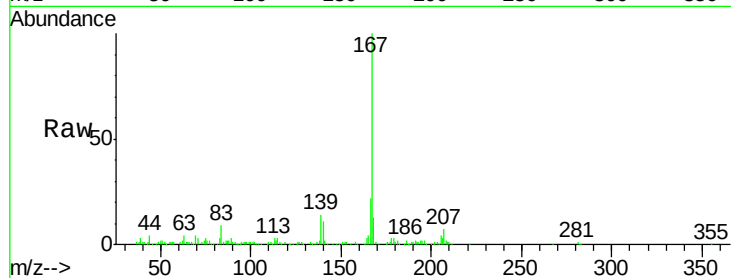
Tot Ion:167 Resp: 243165

Ion Ratio Lower Upper

167 100

166 22.1 17.1 25.7

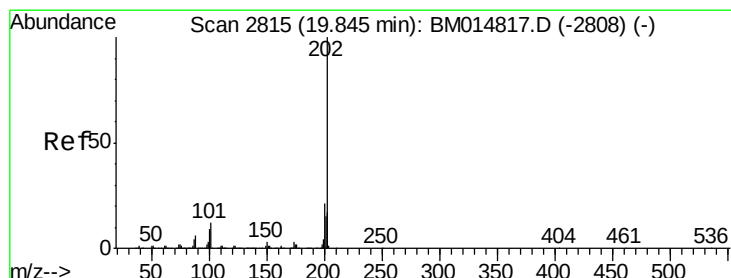
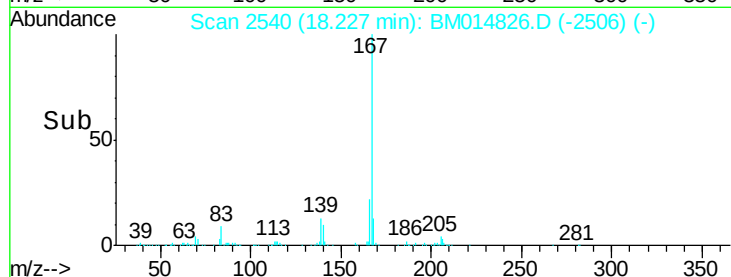
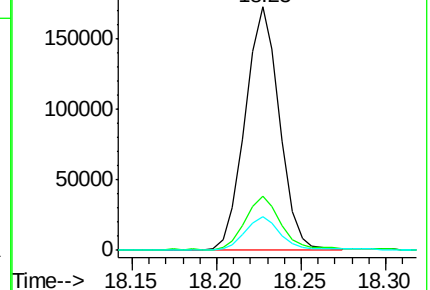
139 13.7 10.0 15.0



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: 56.106 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

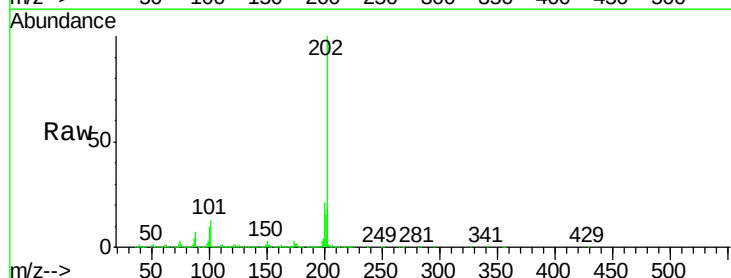
Tgt Ion:202 Resp: 8938390

Ion Ratio Lower Upper

202 100

101 13.0 4.6 7.0#

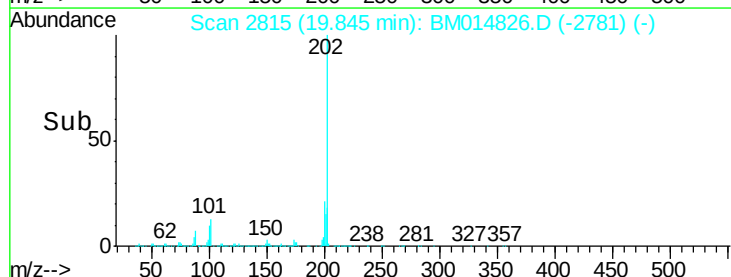
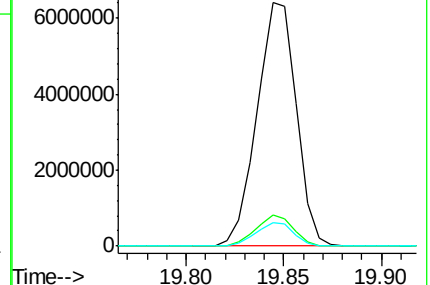
100 9.9 3.4 5.2#

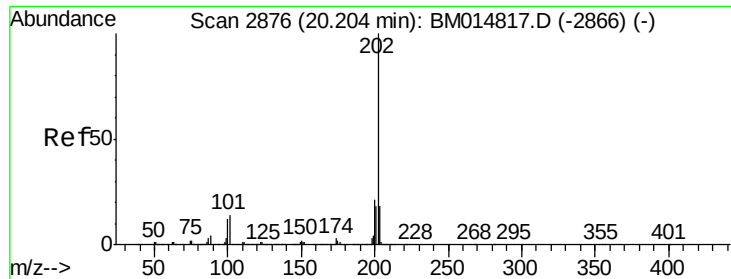


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#77

Pvrene

Concen: 38.738 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampleId :

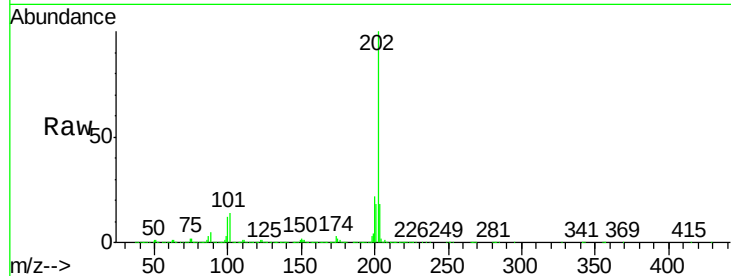
Tot Ion:202 Resp: 6516275

Ion Ratio Lower Upper

202 100

101 14.2 5.1 7.7#

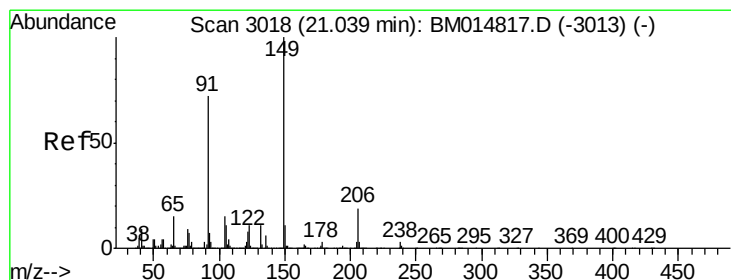
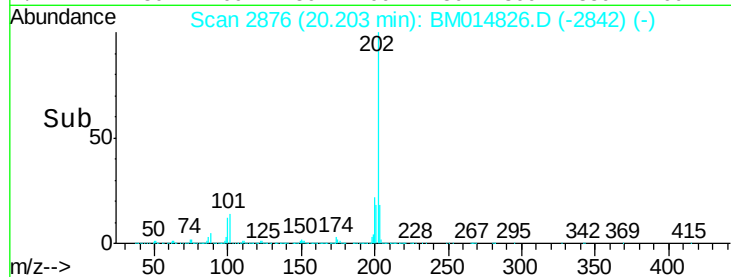
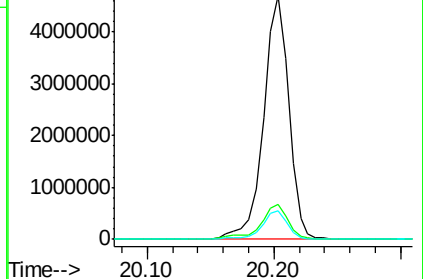
100 11.6 4.9 7.3#



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



#78

Butylbenzylphthalate

Concen: 1.024 ng/ul

RT: 21.04 min Scan# 3018

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

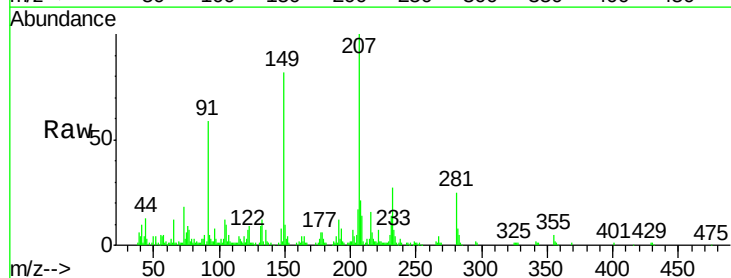
Tgt Ion:149 Resp: 70268

Ion Ratio Lower Upper

149 100

91 72.4 62.7 94.1

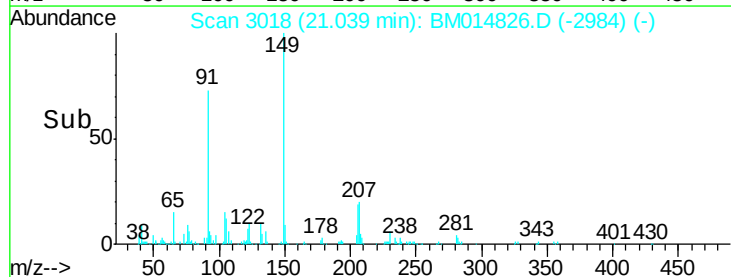
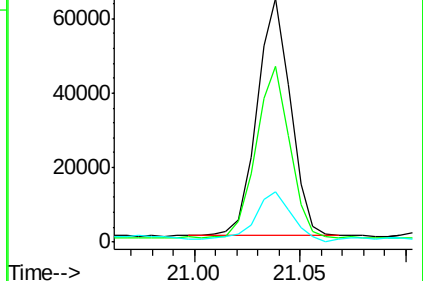
206 20.6 20.8 31.2#

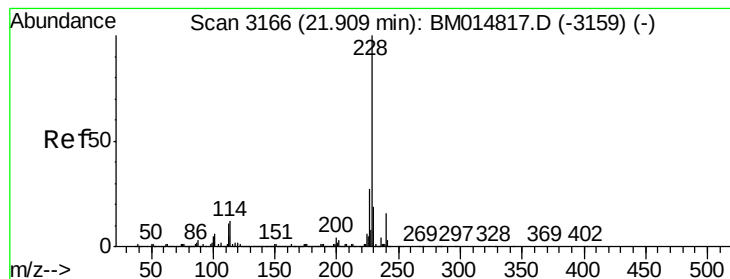


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 11.988 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampleId :

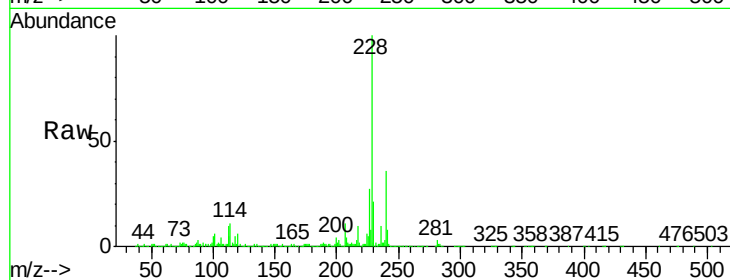
Tot Ion:228 Resp: 2018252

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

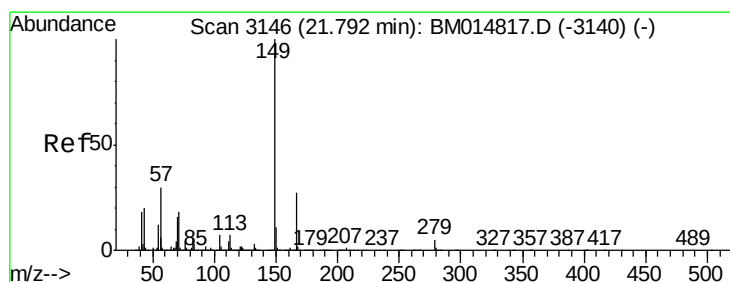
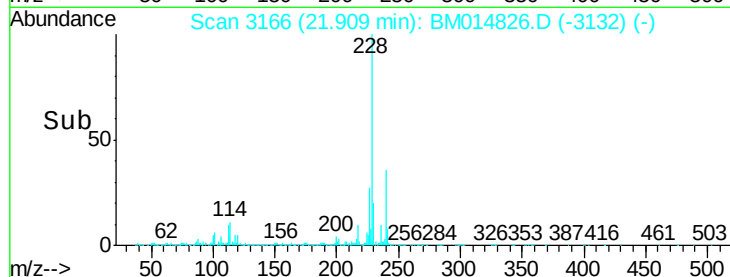
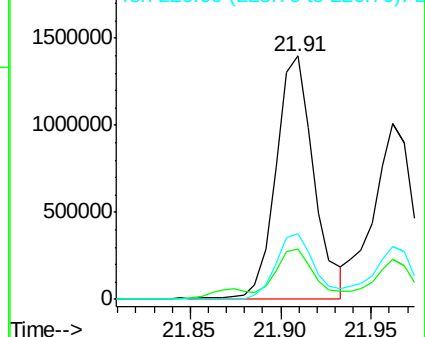
226 26.8 21.4 32.0



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: 6.901 ng/ul

RT: 21.79 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

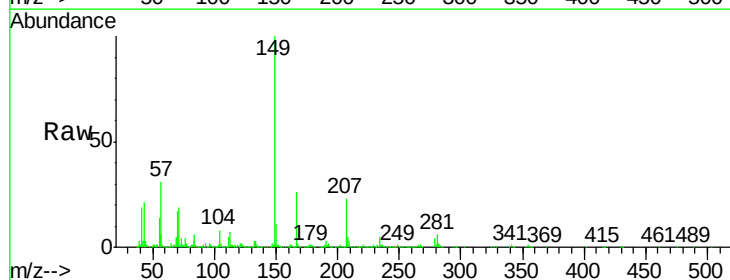
Tgt Ion:149 Resp: 695192

Ion Ratio Lower Upper

149 100

167 25.9 22.8 34.2

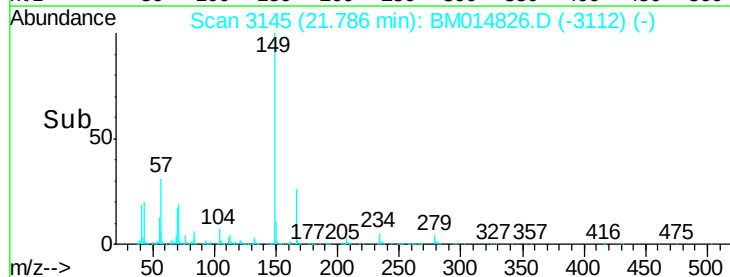
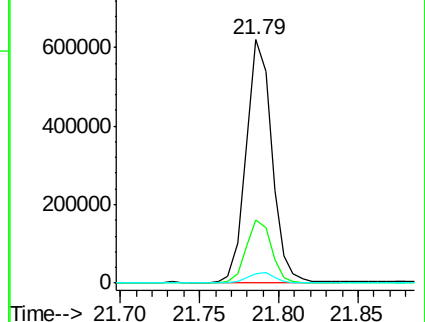
279 4.1 4.9 7.3#

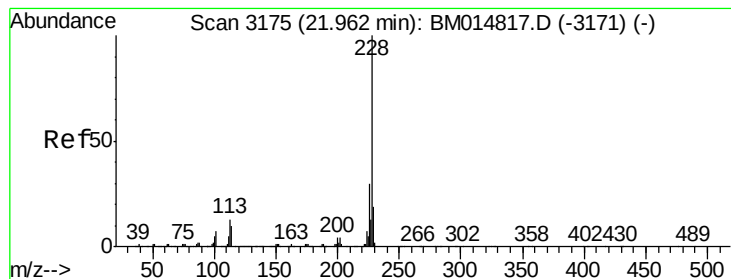


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 9.530 ng/ul

RT: 21.96 min Scan# 3175

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

Instrument :

BNA_M

ClientSampleId :

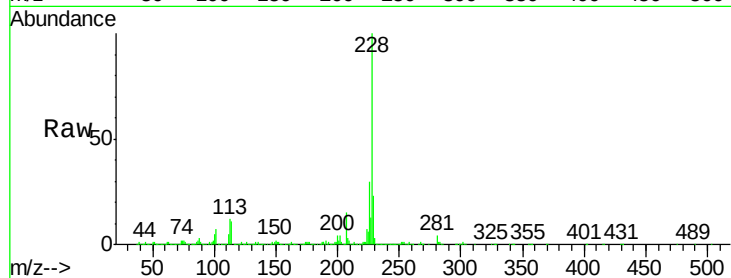
Tot Ion:228 Resp: 1502062

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

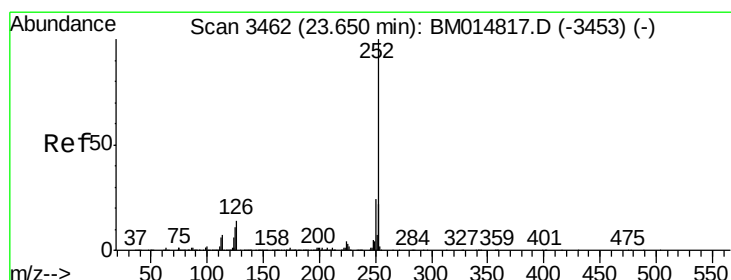
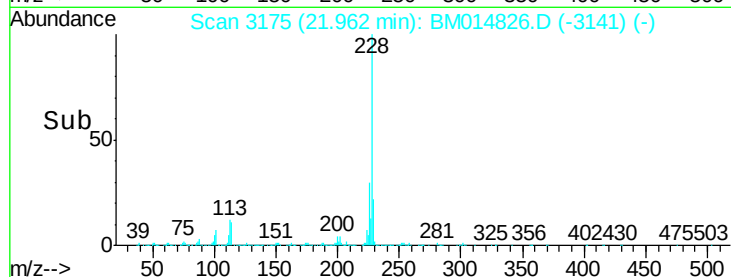
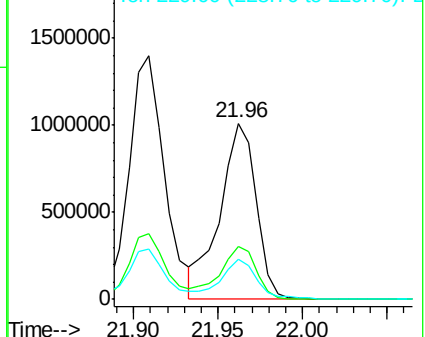
229 22.6 15.5 23.3



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: 7.639 ng/ul

RT: 23.65 min Scan# 3462

Delta R.T. -0.00 min

Lab File: BM014826.D

Acq: 25 Apr 2018 01:05

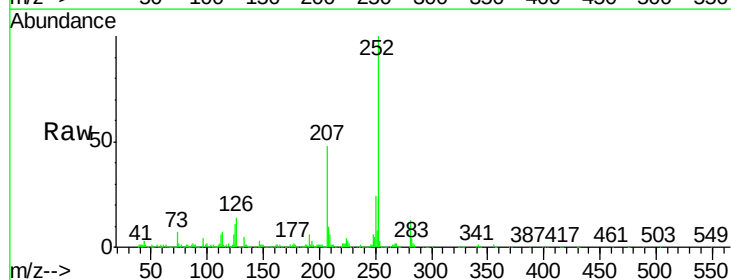
Tgt Ion:252 Resp: 1187813

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

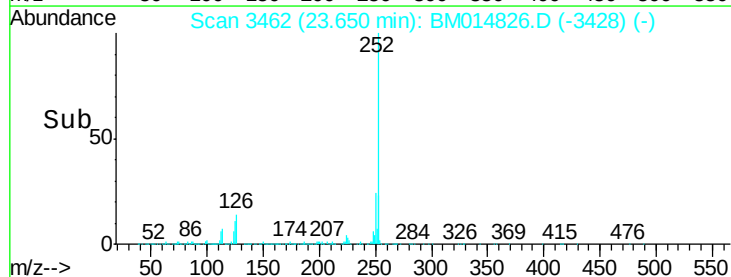
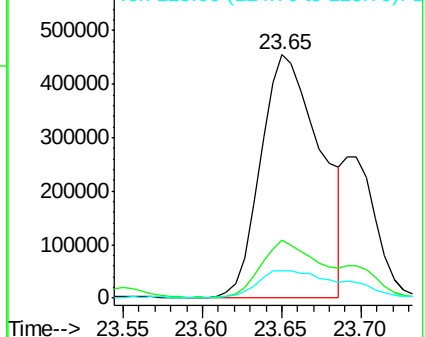
125 11.5 3.6 5.4#

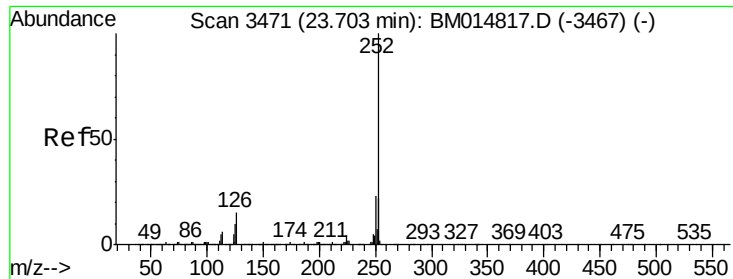


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

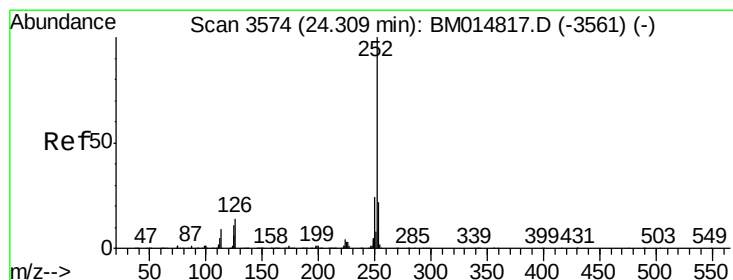
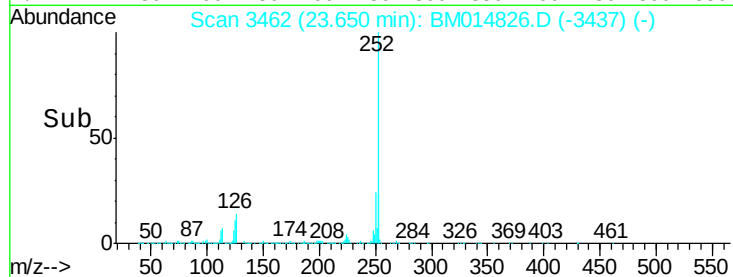
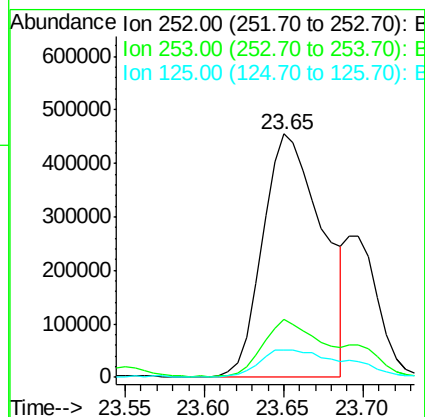
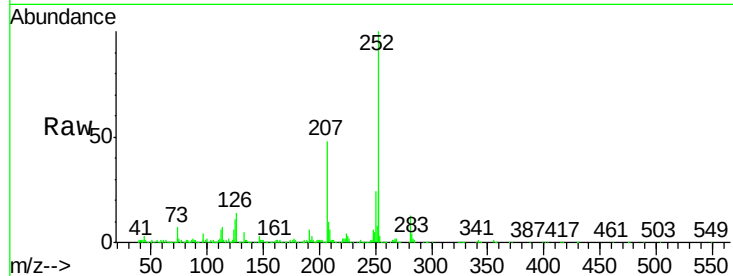




#86
Benzo(k)fluoranthene
Concen: 7.944 ng/ul
RT: 23.65 min Scan# 3462
Delta R.T. -0.05 min
Lab File: BM014826.D
Acq: 25 Apr 2018 01:05

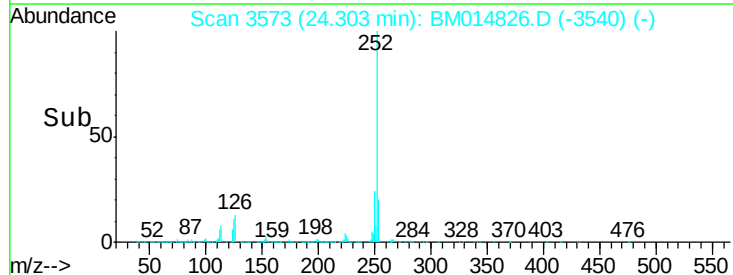
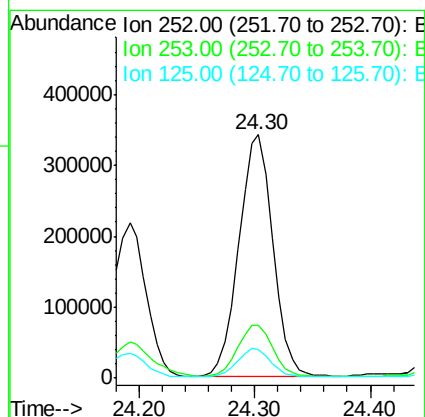
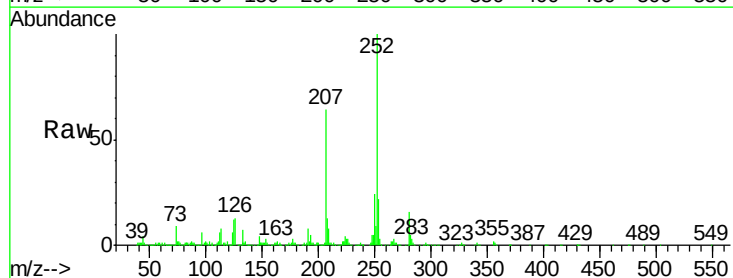
Instrument :
BNA_M
ClientSampleId :

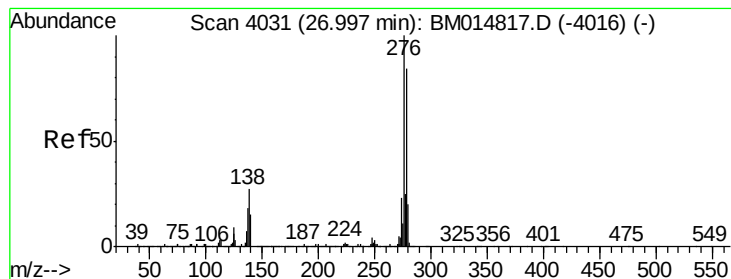
Tot Ion:252 Resp: 1187813
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 11.5 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 4.718 ng/ul
RT: 24.30 min Scan# 3573
Delta R.T. -0.01 min
Lab File: BM014826.D
Acq: 25 Apr 2018 01:05

Tgt Ion:252 Resp: 695891
Ion Ratio Lower Upper
252 100
253 21.6 18.2 27.2
125 11.9 4.0 6.0#



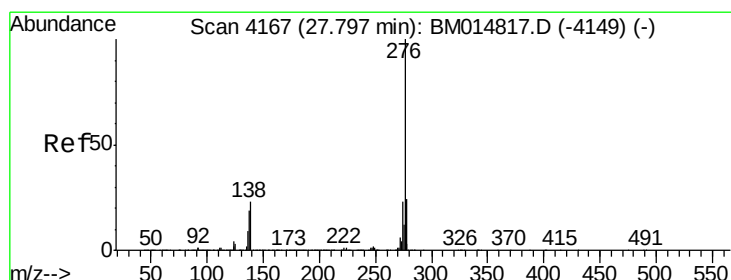
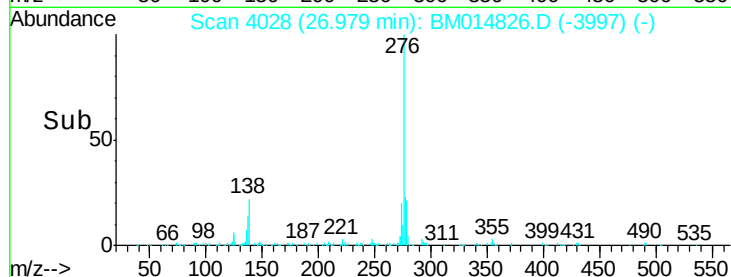
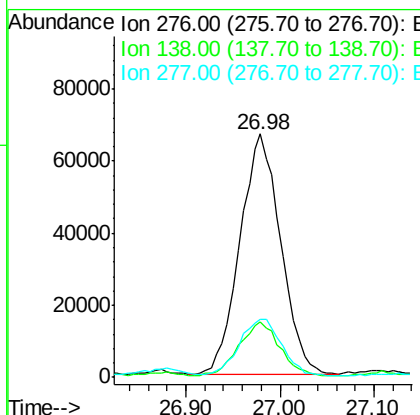
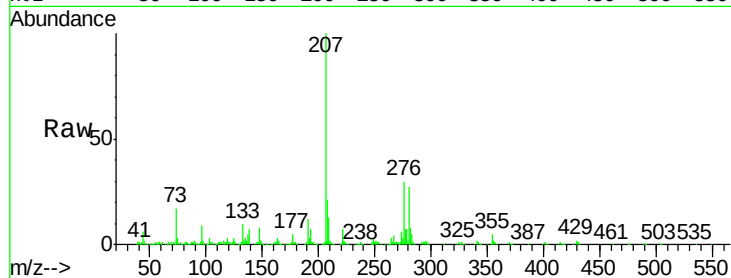


#89

Indeno(1,2,3-cd)pyrene
Concen: 1.124 ng/ul
RT: 26.98 min Scan# 4028
Delta R.T. -0.02 min
Lab File: BM014826.D
Acq: 25 Apr 2018 01:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	9.3	13.9#
277	23.8	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 1.082 ng/ul
RT: 27.78 min Scan# 4164
Delta R.T. -0.02 min
Lab File: BM014826.D
Acq: 25 Apr 2018 01:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	8.5	12.7#
277	23.9	18.6	28.0

