

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
 Data File : BM012513.D
 Acq On : 28 Oct 2017 07:51
 Operator : SJ/JU
 Sample : I5786-01 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 30 05:36:14 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 30 05:30:34 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	554447	20.00	ng/ul	0.00
18) Naphthalene-d8	10.66	136	1988227	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.50	164	1114338	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	2416153	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2789467	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	3145980	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	11553	1.06	ng/uL	0.00
5) Phenol-d5	7.04	99	233910	5.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.20	67	150715	5.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.40	132	183382	5.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.57	113	176943	4.47	ng/ul	0.00
19) Nitrobenzene-d5	9.02	128	85830	6.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.75	143	92809	7.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.28	165	180343	5.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.80	131	59076	1.65	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	533542	5.48	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	657645	5.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	61518	4.25	ng/ul	0.00
57) Fluorene-d10	15.49	176	458701	5.57	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	36482	3.12	ng/ul	0.00
70) Anthracene-d10	17.34	188	702127	6.10	ng/ul	0.00
76) Pyrene-d10	19.63	212	772316	6.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	880298	5.89	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.06	94	56236	1.17 ng/ul#	85
15) N-Nitroso-di-n-propylamine	8.75	70	382199	11.26 ng/ul#	30
28) Naphthalene	10.71	128	118122	1.20 ng/ul	98
44) Dimethylphthalate	13.95	163	111834	1.16 ng/ul	98
47) Acenaphthylene	14.22	152	357122	3.25 ng/ul	98
49) Acenaphthene	14.56	153	144854	1.92 ng/ul	98
53) Dibenzofuran	14.90	168	145524	1.31 ng/ul	98
58) Fluorene	15.55	166	189687	2.01 ng/ul	99
69) Phenanthrene	17.29	178	3672291	28.11 ng/ul	99
71) Anthracene	17.37	178	966059	7.15 ng/ul	99
72) Carbazole	17.64	167	391674	3.50 ng/ul	100
73) Di-n-butylphthalate	18.20	149	341209	2.39 ng/ul	97
74) Fluoranthene	19.30	202	7783168	52.57 ng/ul#	93
77) Pyrene	19.66	202	6811616	42.94 ng/ul#	91
80) Benzo(a)anthracene	21.40	228	4476611	26.80 ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.33	149	11268234	118.51 ng/ul#	84
82) Chrysene	21.45	228	3992179	26.88 ng/ul	96
85) Benzo(b)fluoranthene	23.03	252	6255715	32.17 ng/ul#	97
86) Benzo(k)fluoranthene	23.03	252	6255715	34.18 ng/ul#	95
88) Benzo(a)pyrene	23.62	252	4447947	23.99 ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.07	276	3498112	16.03 ng/ul#	97
90) Dibenzo(a,h)anthracene	26.07	278	934222	5.05 ng/ul#	89
91) Benzo(g,h,i)perylene	26.79	276	2733998	15.46 ng/ul#	94

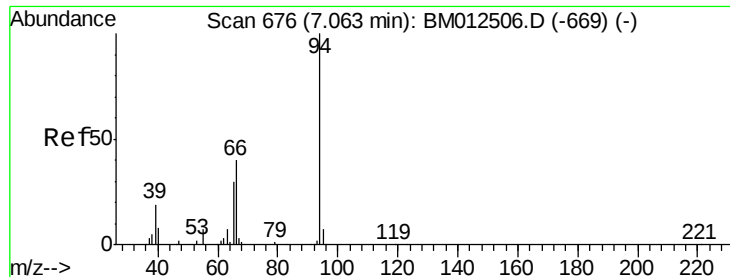
Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 30 05:30:34 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#6

Phenol

Concen: 1.17 ng/ul

RT: 7.06 min Scan# 676

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampled :

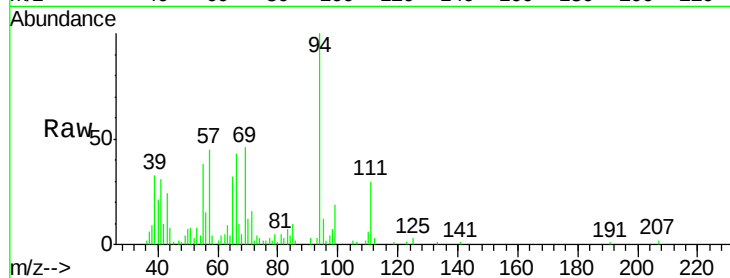
Tot Ion: 94 Resp: 56236

Ion Ratio Lower Upper

94 100

65 32.3 28.2 42.4

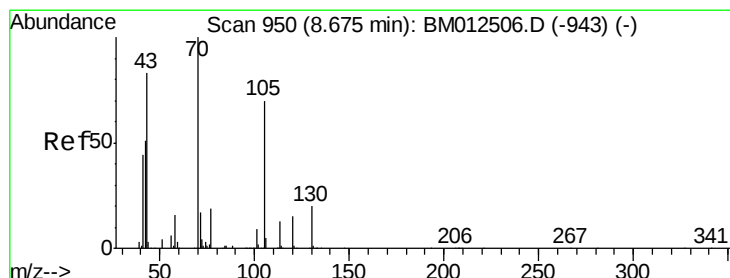
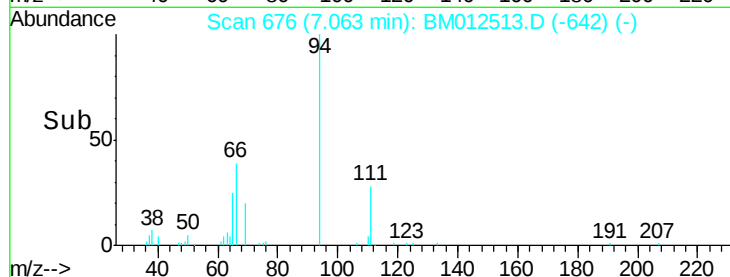
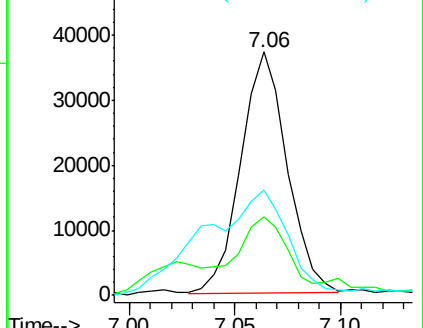
66 43.3 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012506.D (-669) (-)

Ion 65.00 (64.70 to 65.70): BM012506.D (-669) (-)

Ion 66.00 (65.70 to 66.70): BM012506.D (-669) (-)



#15

N-Nitroso-di-n-propylamine

Concen: 11.26 ng/ul

RT: 8.75 min Scan# 963

Delta R.T. 0.08 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Tgt Ion: 70 Resp: 382199

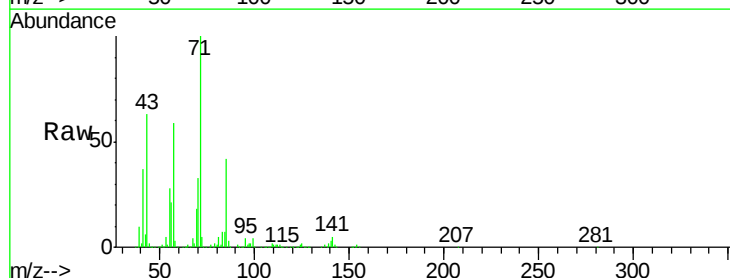
Ion Ratio Lower Upper

70 100

42 18.0 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

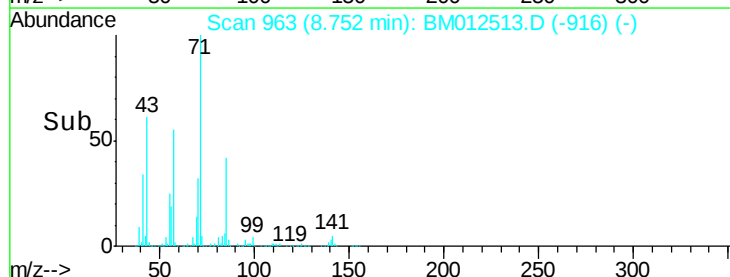
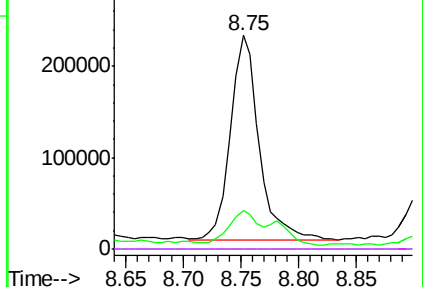


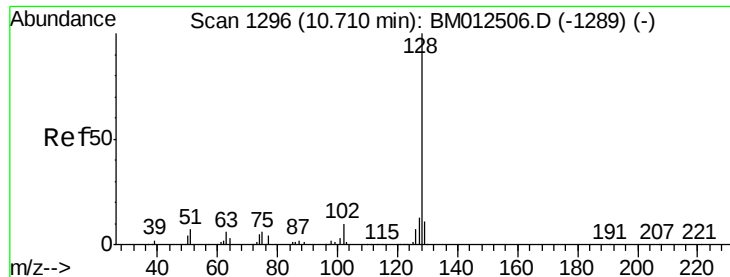
Abundance Ion 70.00 (69.70 to 70.70): BM012506.D (-943) (-)

Ion 42.00 (41.70 to 42.70): BM012506.D (-943) (-)

Ion 101.00 (100.70 to 101.70): BM012506.D (-943) (-)

Ion 130.00 (129.70 to 130.70): BM012506.D (-943) (-)





#28

Naphthalene

Concen: 1.20 ng/ul

RT: 10.71 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampleId :

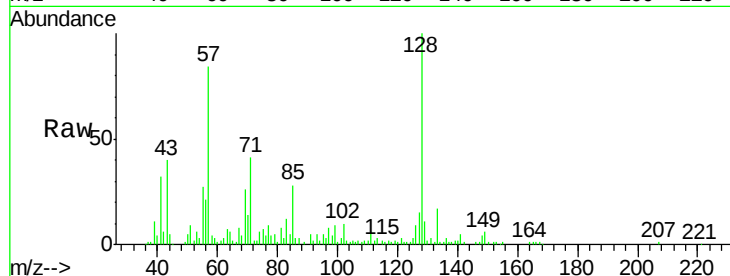
Tot Ion:128 Resp: 118122

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

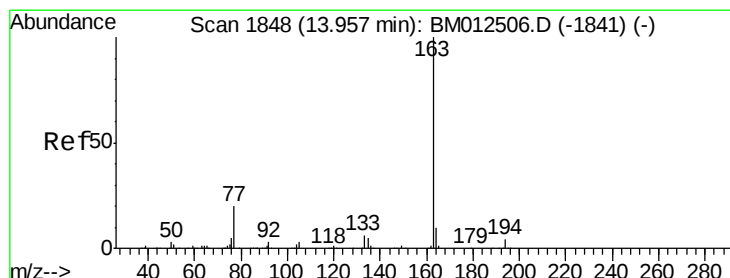
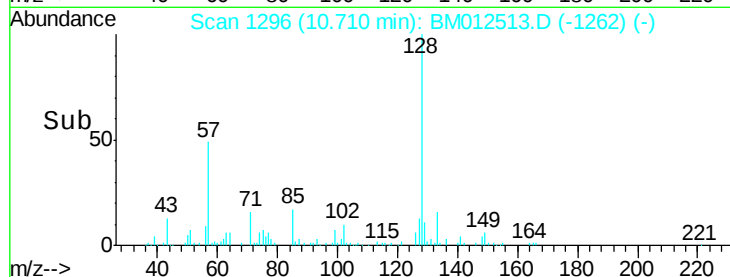
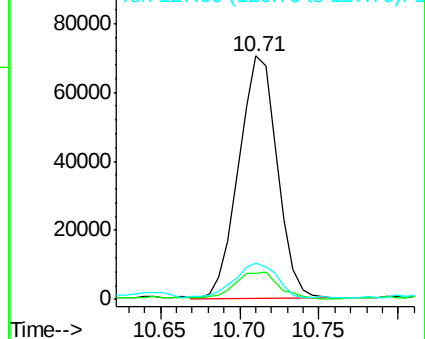
127 14.7 10.6 16.0



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



#44

Dimethylphthalate

Concen: 1.16 ng/ul

RT: 13.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

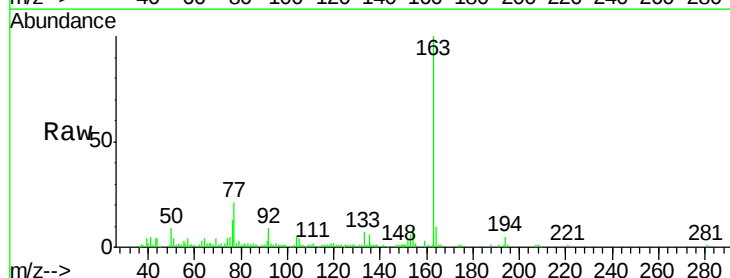
Tgt Ion:163 Resp: 111834

Ion Ratio Lower Upper

163 100

194 5.0 3.5 5.3

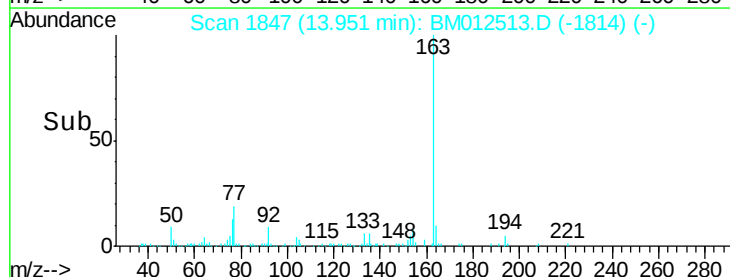
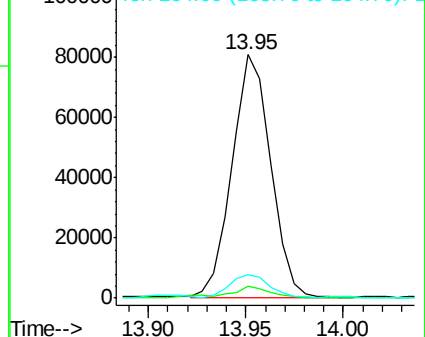
164 9.7 8.2 12.4

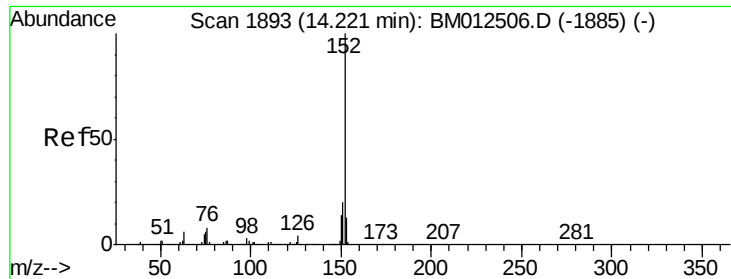


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 3.25 ng/ul

RT: 14.22 min Scan# 1893

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampled :

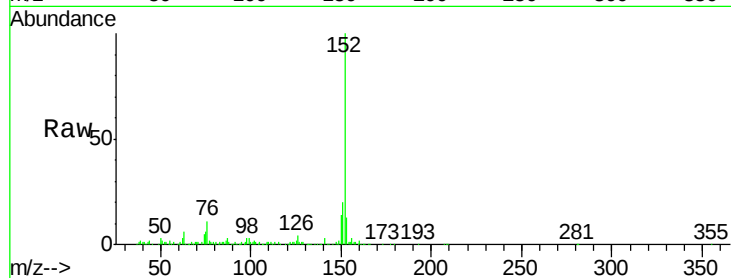
Tot Ion:152 Resp: 357122

Ion Ratio Lower Upper

152 100

151 19.6 16.3 24.5

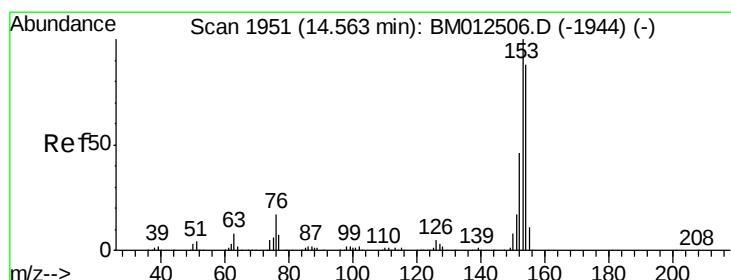
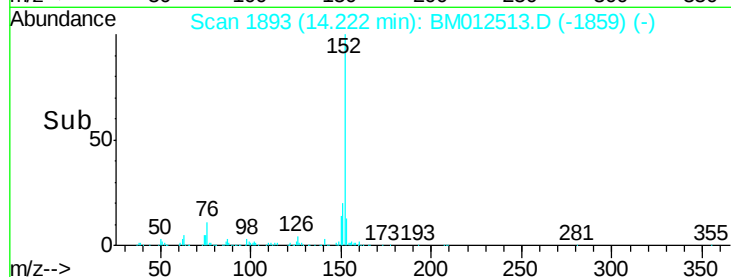
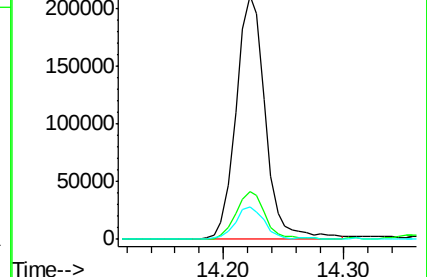
153 13.3 10.2 15.4



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: 1.92 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

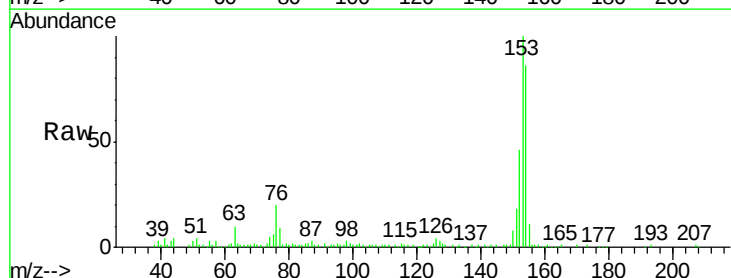
Tgt Ion:153 Resp: 144854

Ion Ratio Lower Upper

153 100

152 45.6 37.6 56.4

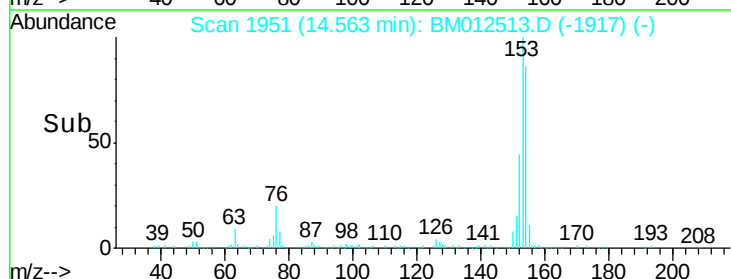
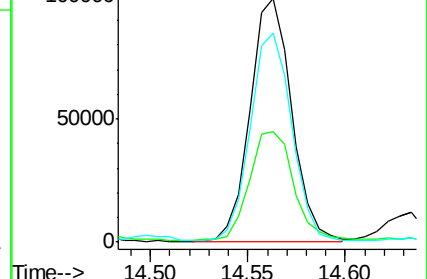
154 86.0 70.4 105.6

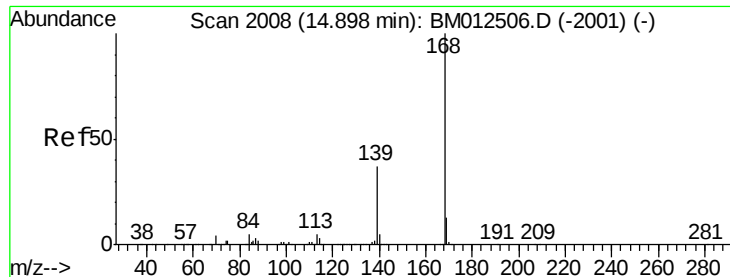


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.31 ng/ul

RT: 14.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

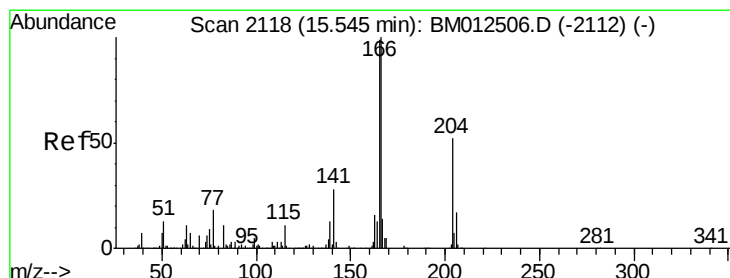
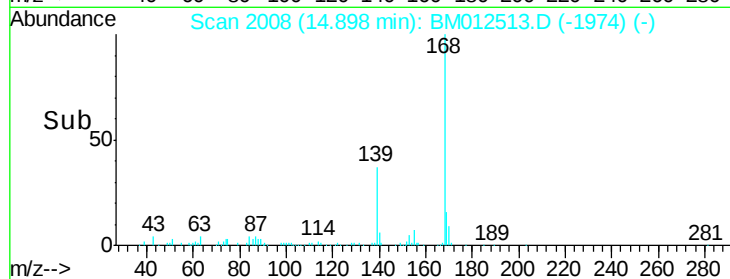
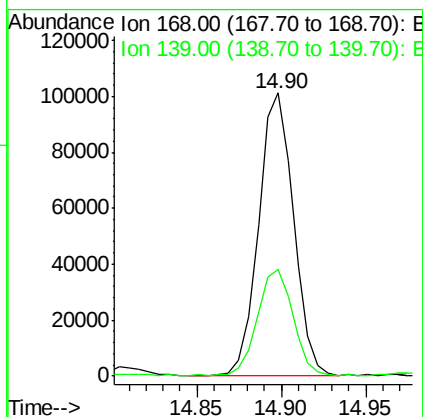
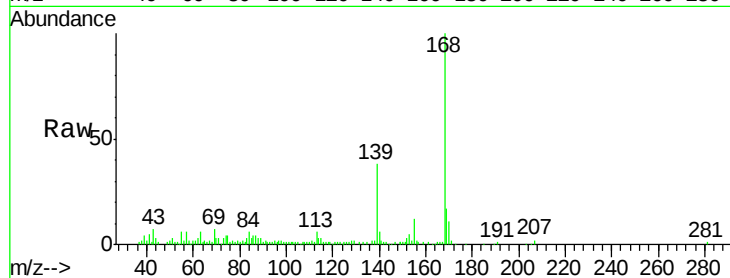
ClientSampled :

Tot Ion:168 Resp: 145524

Ion Ratio Lower Upper

168 100

139 37.6 30.8 46.2



#58

Fluorene

Concen: 2.01 ng/ul

RT: 15.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

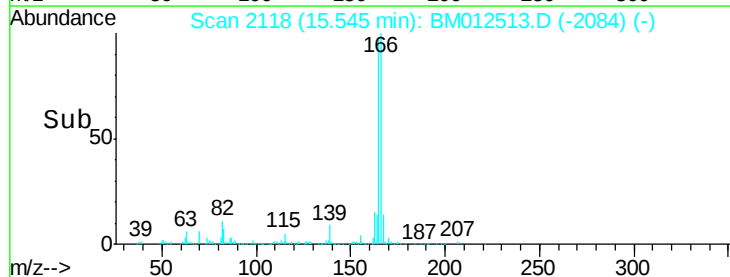
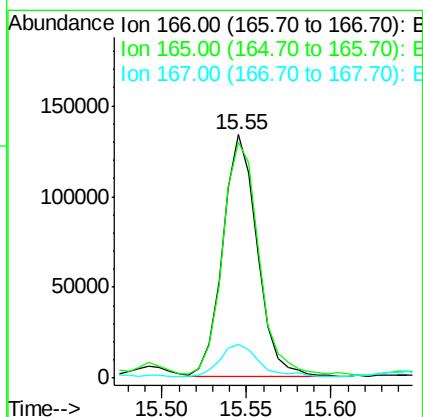
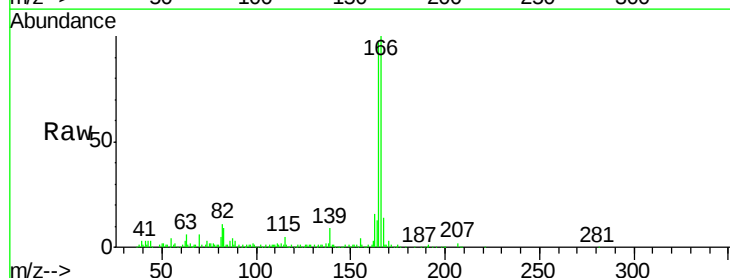
Tgt Ion:166 Resp: 189687

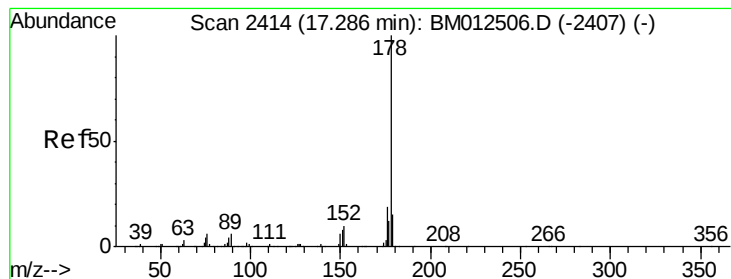
Ion Ratio Lower Upper

166 100

165 96.9 77.9 116.9

167 14.1 10.6 16.0





#69

Phenanthrene

Concen: 28.11 ng/ul

RT: 17.29 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampleId :

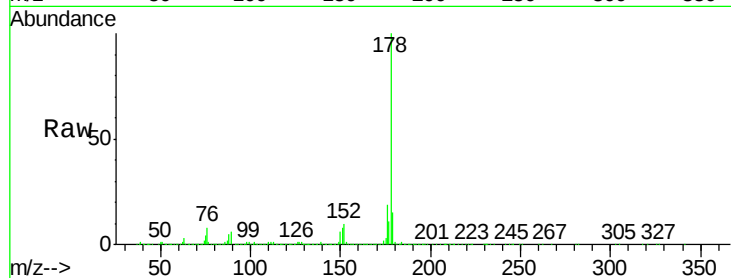
Tot Ion:178 Resp: 3672291

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

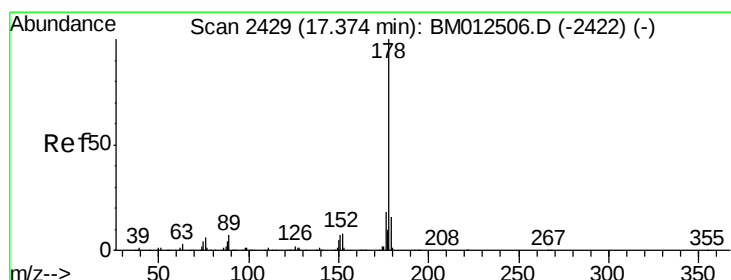
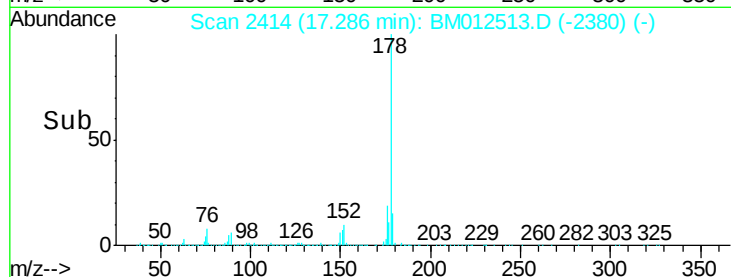
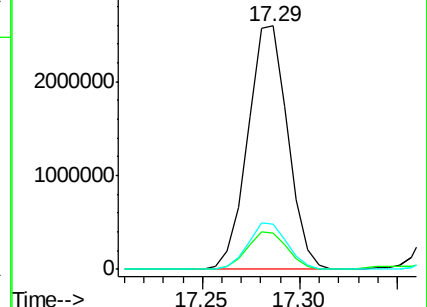
176 18.6 14.9 22.3



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: 7.15 ng/ul

RT: 17.37 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

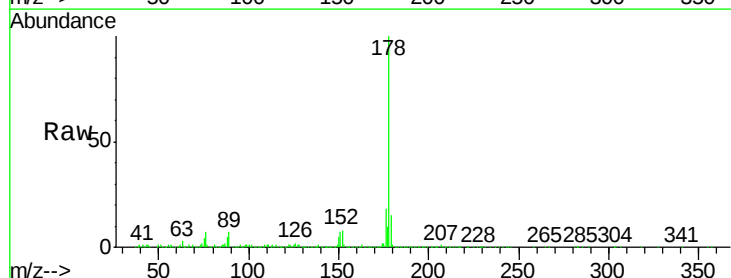
Tgt Ion:178 Resp: 966059

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

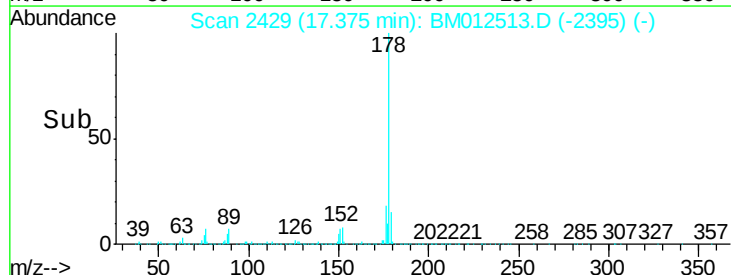
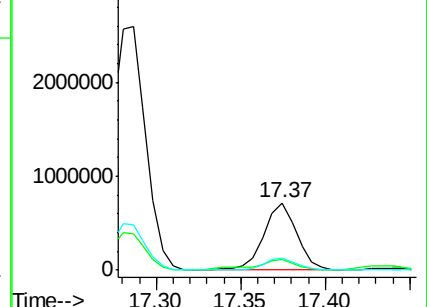
176 17.9 14.6 21.8

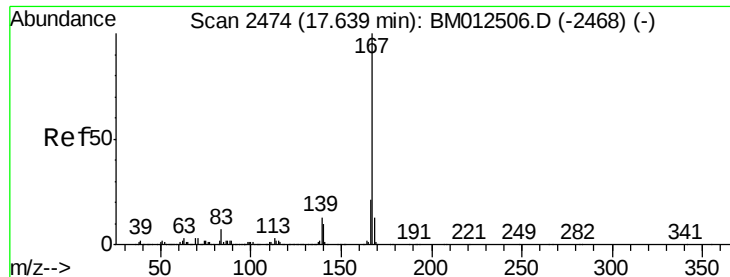


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

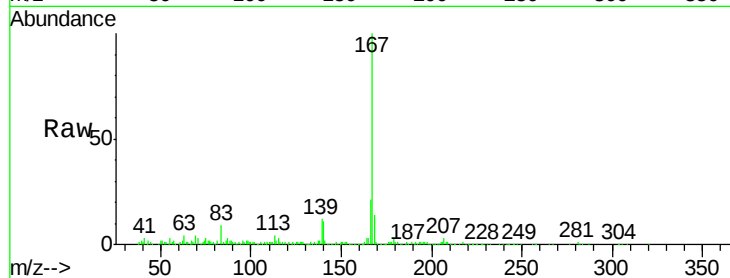




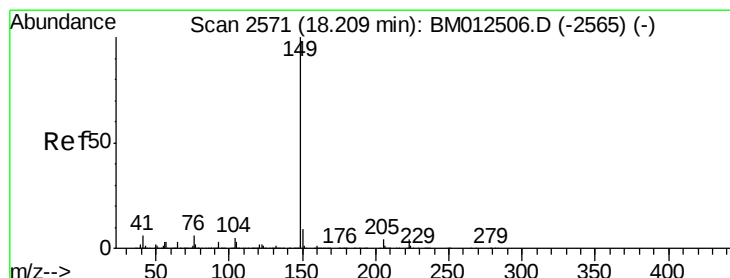
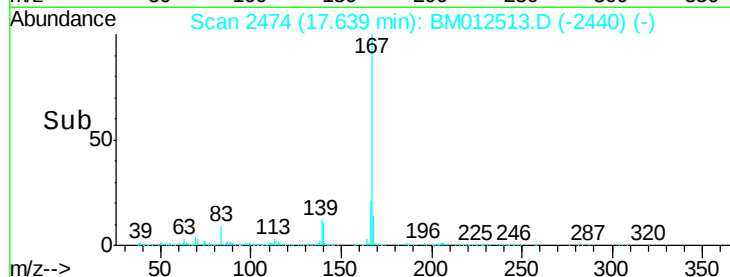
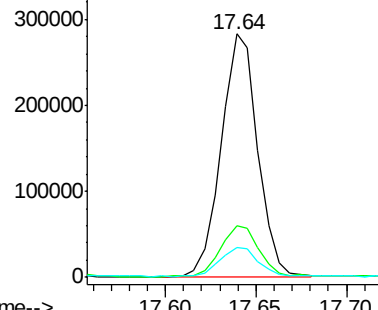
#72
 Carbazole
 Concen: 3.50 ng/ul
 RT: 17.64 min Scan# 2474
 Delta R.T. 0.00 min
 Lab File: BM012513.D
 Acq: 28 Oct 2017 07:51

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.1	25.7
139	12.4	10.0	15.0

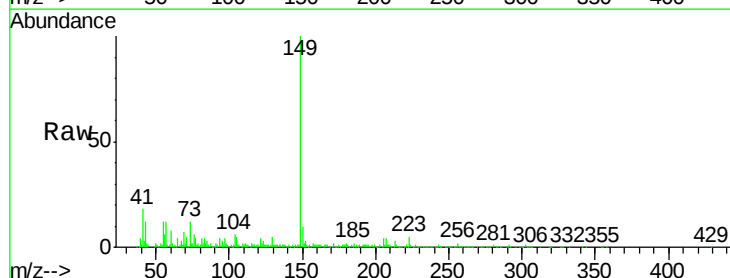


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

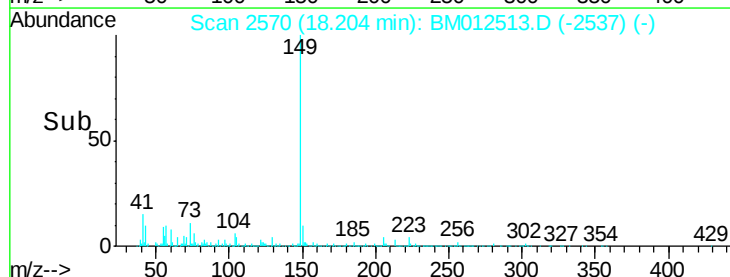
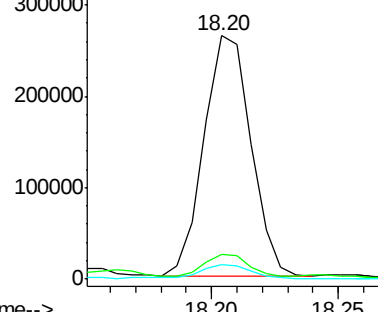


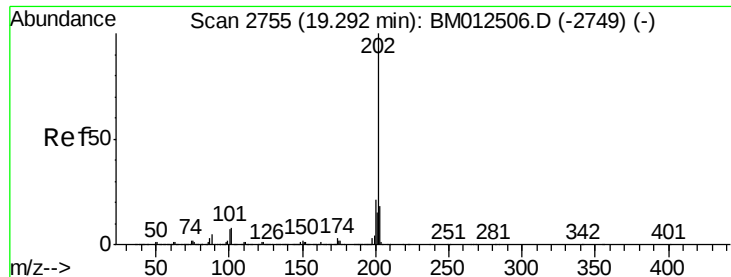
#73
 Di-n-butylphthalate
 Concen: 2.39 ng/ul
 RT: 18.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BM012513.D
 Acq: 28 Oct 2017 07:51

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.1	10.7
104	6.1	5.6	8.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 52.57 ng/ul

RT: 19.30 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampleId :

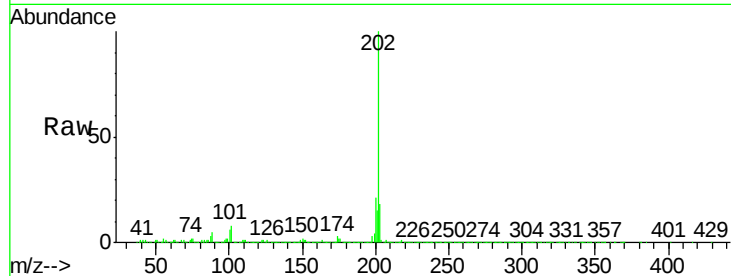
Tot Ion:202 Resp: 7783168

Ion Ratio Lower Upper

202 100

101 8.2 4.6 7.0#

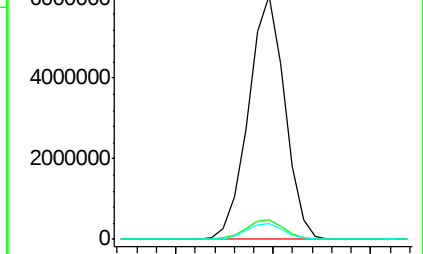
100 6.4 3.4 5.2#



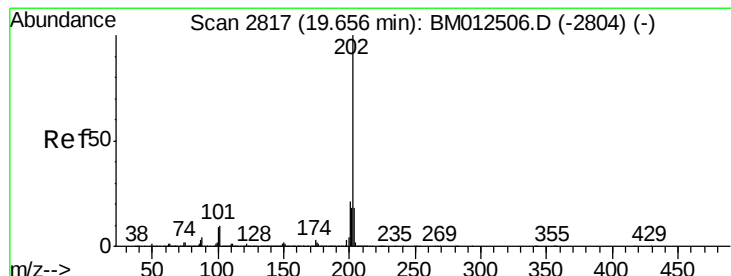
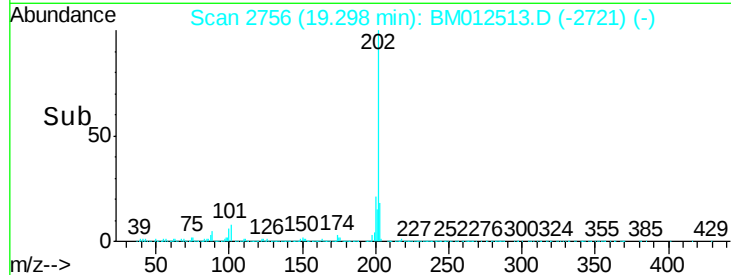
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#77

Pyrene

Concen: 42.94 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

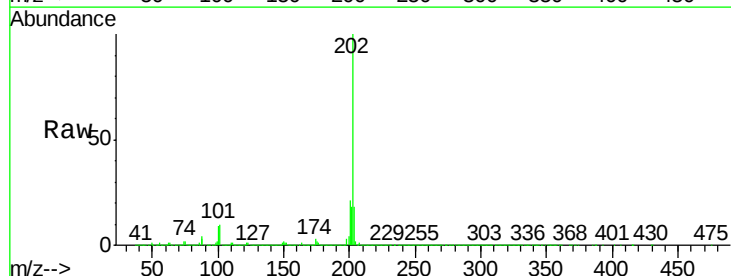
Tgt Ion:202 Resp: 6811616

Ion Ratio Lower Upper

202 100

101 10.1 5.1 7.7#

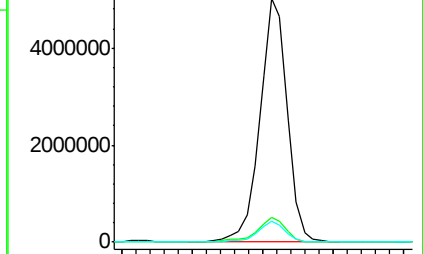
100 8.6 4.9 7.3#



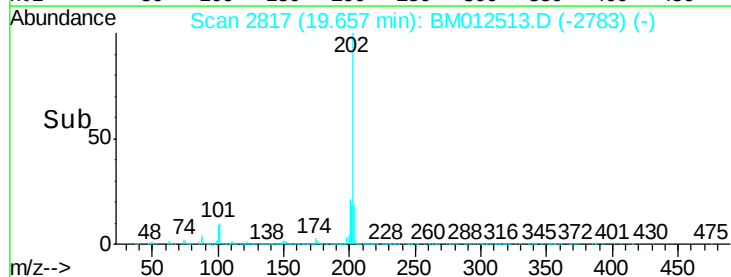
Abundance Ion 202.00 (201.70 to 202.70): E

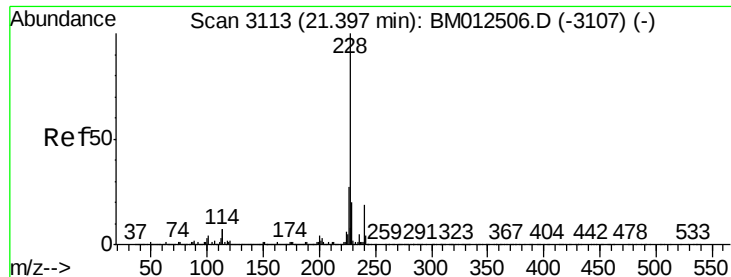
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#80

Benzo(a)anthracene

Concen: 26.80 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampleId :

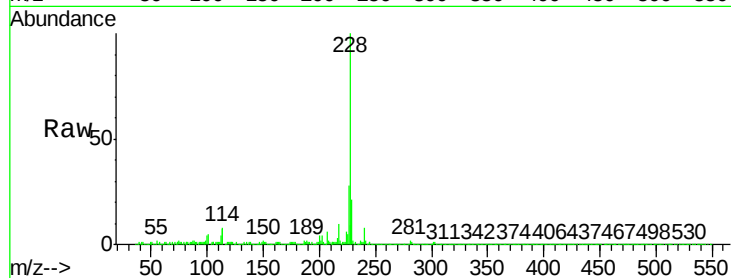
Tot Ion:228 Resp: 4476611

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.0

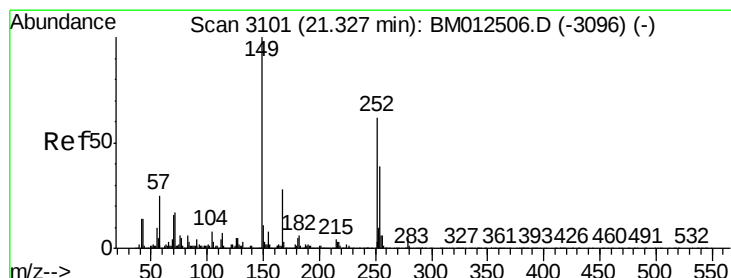
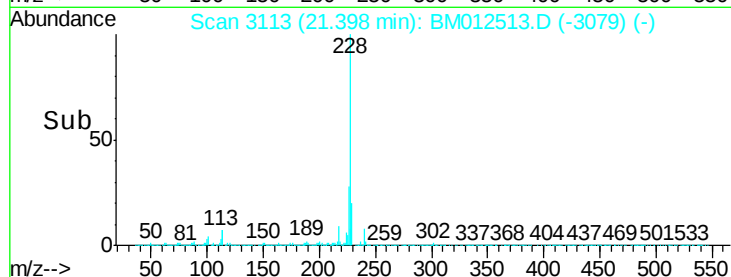
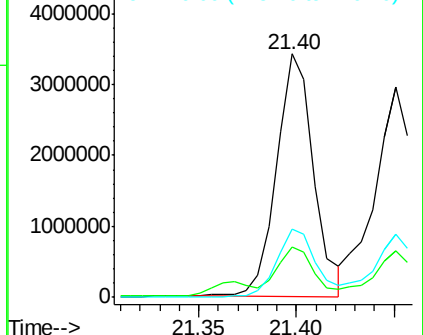
226 27.9 21.4 32.0



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: 118.51 ng/ul

RT: 21.33 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

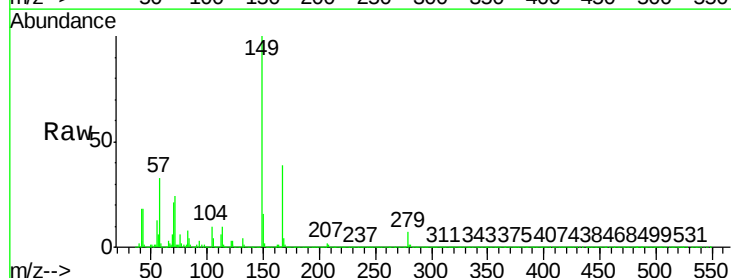
Tgt Ion:149 Resp:11268234

Ion Ratio Lower Upper

149 100

167 38.7 22.8 34.2#

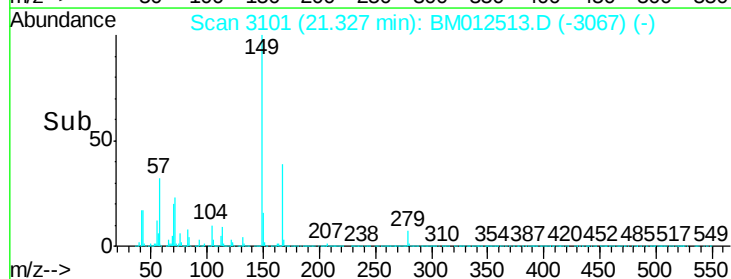
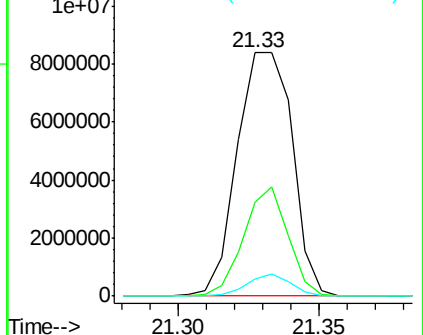
279 6.9 4.9 7.3

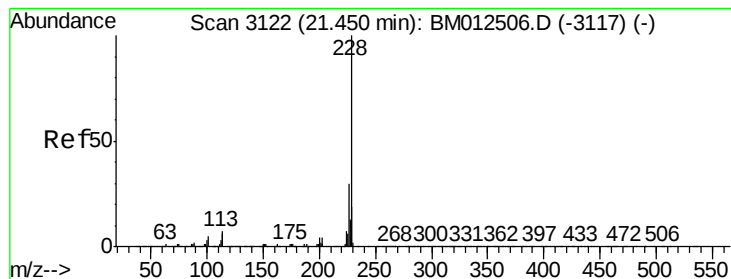


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 26.88 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.00 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

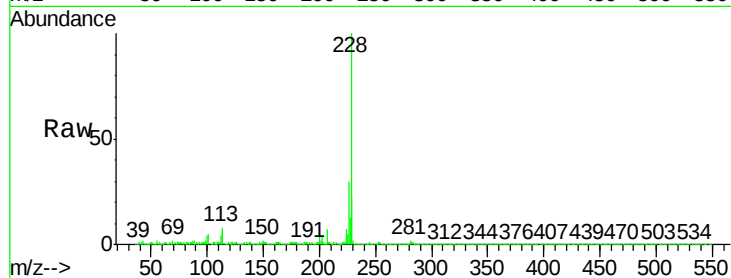
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 3992179

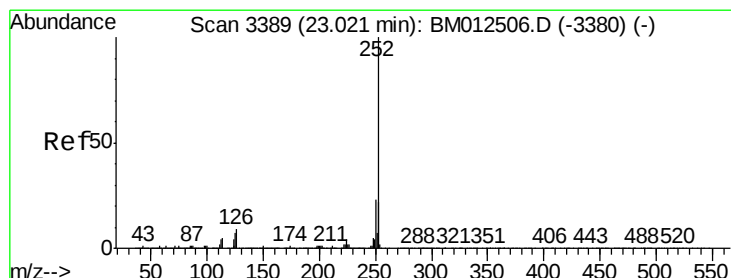
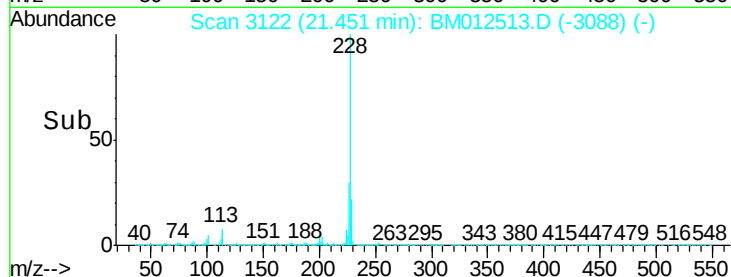
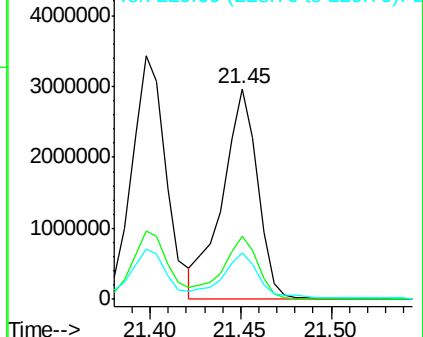
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.4	15.5	23.3



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: 32.17 ng/ul

RT: 23.03 min Scan# 3390

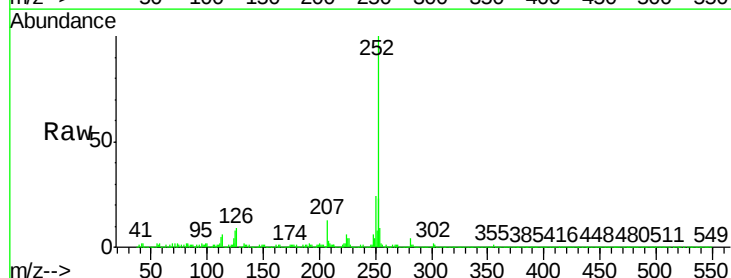
Delta R.T. 0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Tgt Ion:252 Resp: 6255715

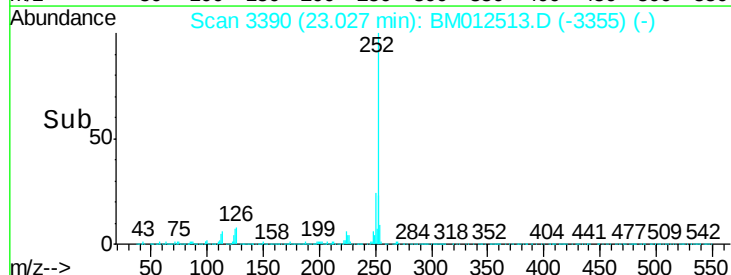
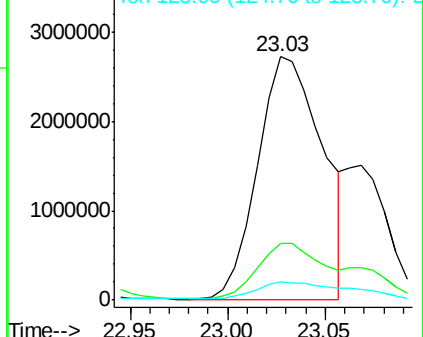
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	7.6	3.6	5.4

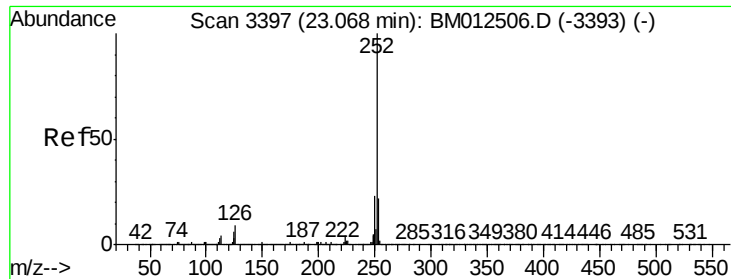


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

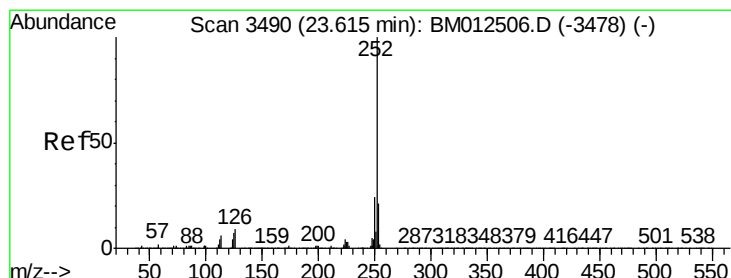
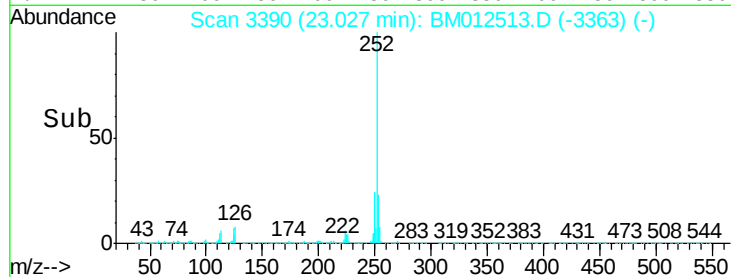
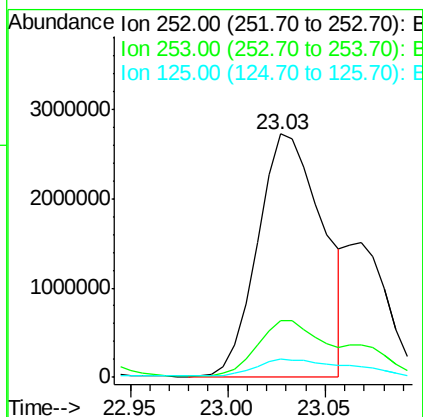
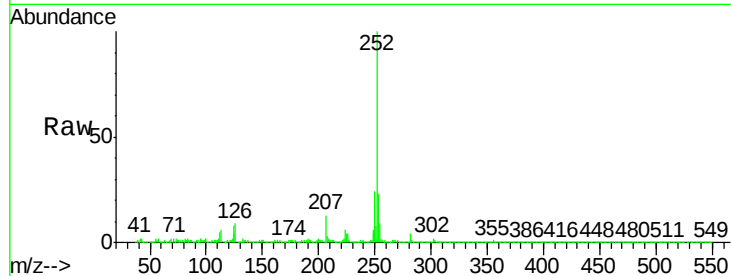




#86
Benzo(k)fluoranthene
Concen: 34.18 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.04 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

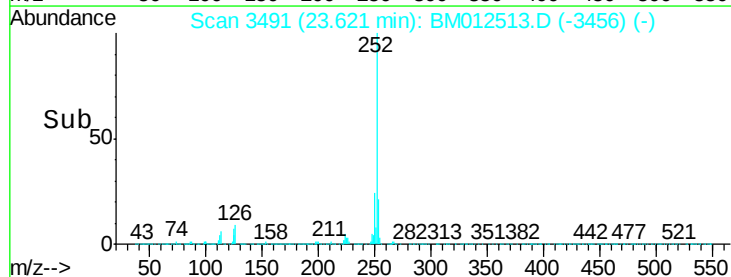
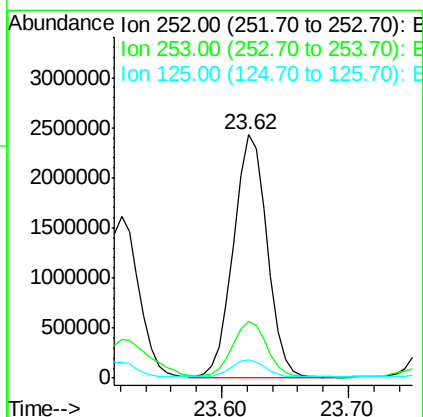
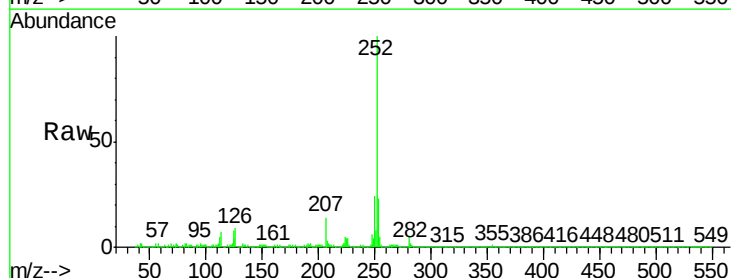
Instrument :
BNA_M
ClientSampleId :

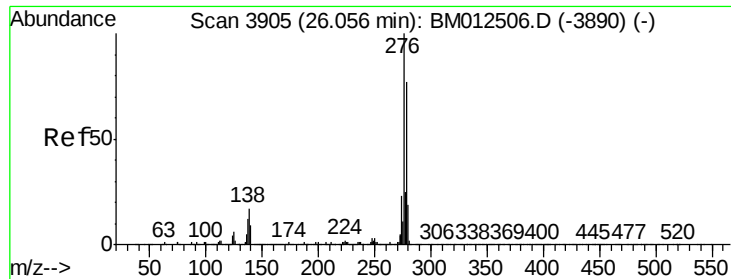
Tot Ion:252 Resp: 6255715
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 7.6 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 23.99 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. 0.01 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

Tgt Ion:252 Resp: 4447947
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.2
125 7.7 4.0 6.0#



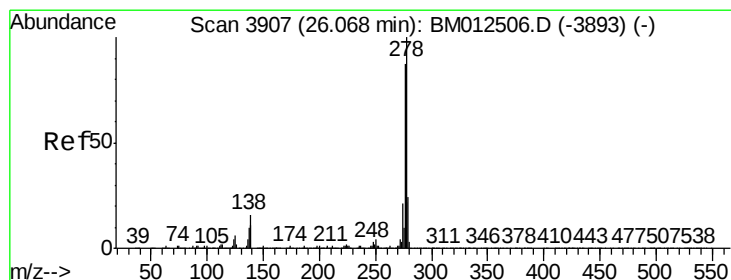
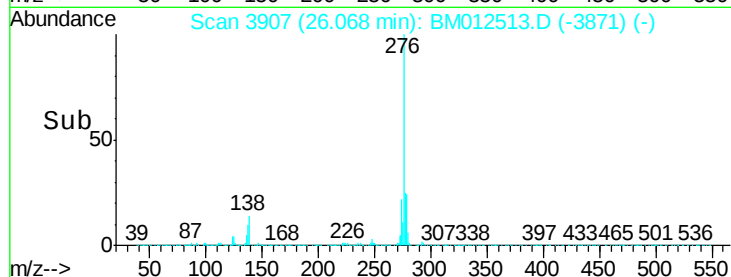
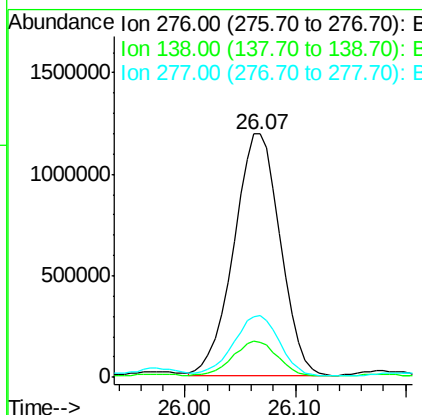
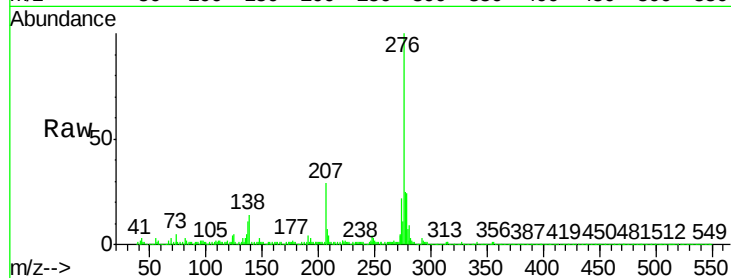


#89

Indeno(1,2,3-cd)pyrene
Concen: 16.03 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.01 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

Instrument :
BNA_M
ClientSampleId :

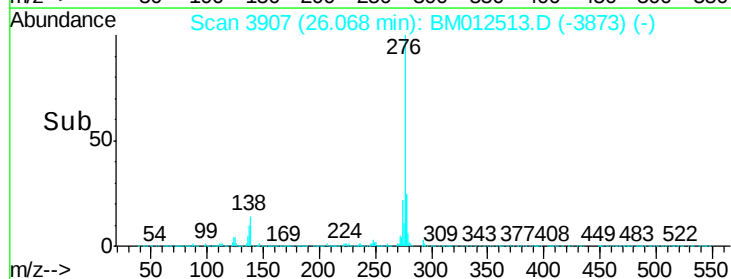
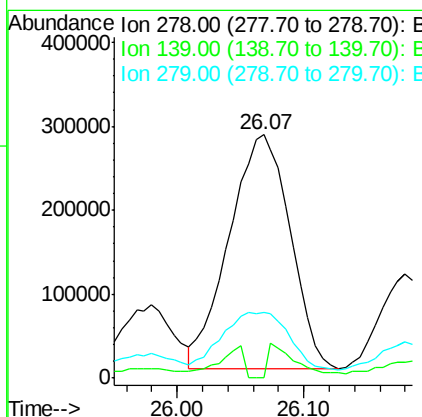
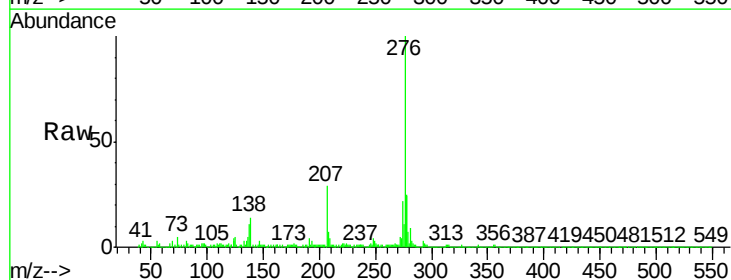
Tot Ion:276 Resp: 3498112
Ion Ratio Lower Upper
276 100
138 14.2 9.3 13.9#
277 25.5 19.9 29.9

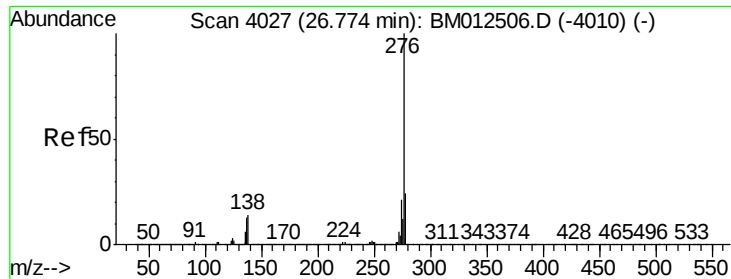


#90

Dibenzo(a,h)anthracene
Concen: 5.05 ng/ul
RT: 26.07 min Scan# 3907
Delta R.T. 0.00 min
Lab File: BM012513.D
Acq: 28 Oct 2017 07:51

Tgt Ion:278 Resp: 934222
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 27.1 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 15.46 ng/ul

RT: 26.79 min Scan# 4029

Delta R.T. 0.01 min

Lab File: BM012513.D

Acq: 28 Oct 2017 07:51

Instrument :

BNA_M

ClientSampleId :

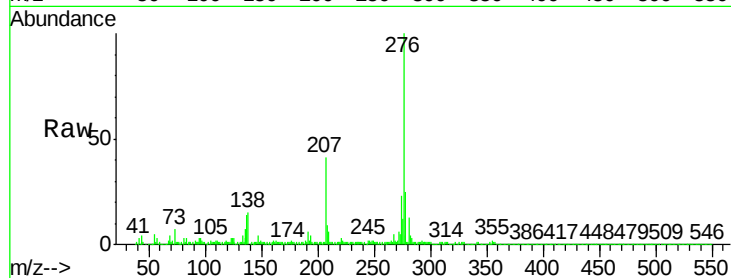
Tot Ion:276 Resp: 2733998

Ion Ratio Lower Upper

276 100

138 14.9 8.5 12.7#

277 24.8 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

