

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012768.D
 Acq On : 06 Nov 2017 08:45
 Operator : SJ/JU
 Sample : I5902-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-12(1-3)-101317

Quant Time: Nov 07 03:16:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\Methods\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	208306	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	819589	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	438774	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	762682	20.00	ng/ul	0.01
77) Chrysene-d12	21.39	240	796382	20.00	ng/ul	0.01
85) Perylene-d12	23.68	264	909214	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	20770	5.39	ng/uL	0.00
5) Phenol-d5	7.00	99	460116	29.69	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	257468	30.65	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	410544	31.80	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	352670	26.36	ng/ul	0.01
19) Nitrobenzene-d5	8.98	128	203999	33.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.70	143	223328	32.23	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.24	165	439134	30.91	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	237951	17.36	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	1266272	34.87	ng/ul	0.01
46) Acenaphthylene-d8	14.15	160	1516463	33.77	ng/ul	0.01
51) 4-Nitrophenol-d4	14.69	143	115032	19.77	ng/ul	0.02
57) Fluorene-d10	15.45	176	970717	31.21	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.59	200	22735	4.52	ng/ul	0.02
70) Anthracene-d10	17.30	188	1183905	32.13	ng/ul	0.01
78) Pyrene-d10	19.60	212	1209299	32.72	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	1445047	33.61	ng/ul	0.03

Target Compounds

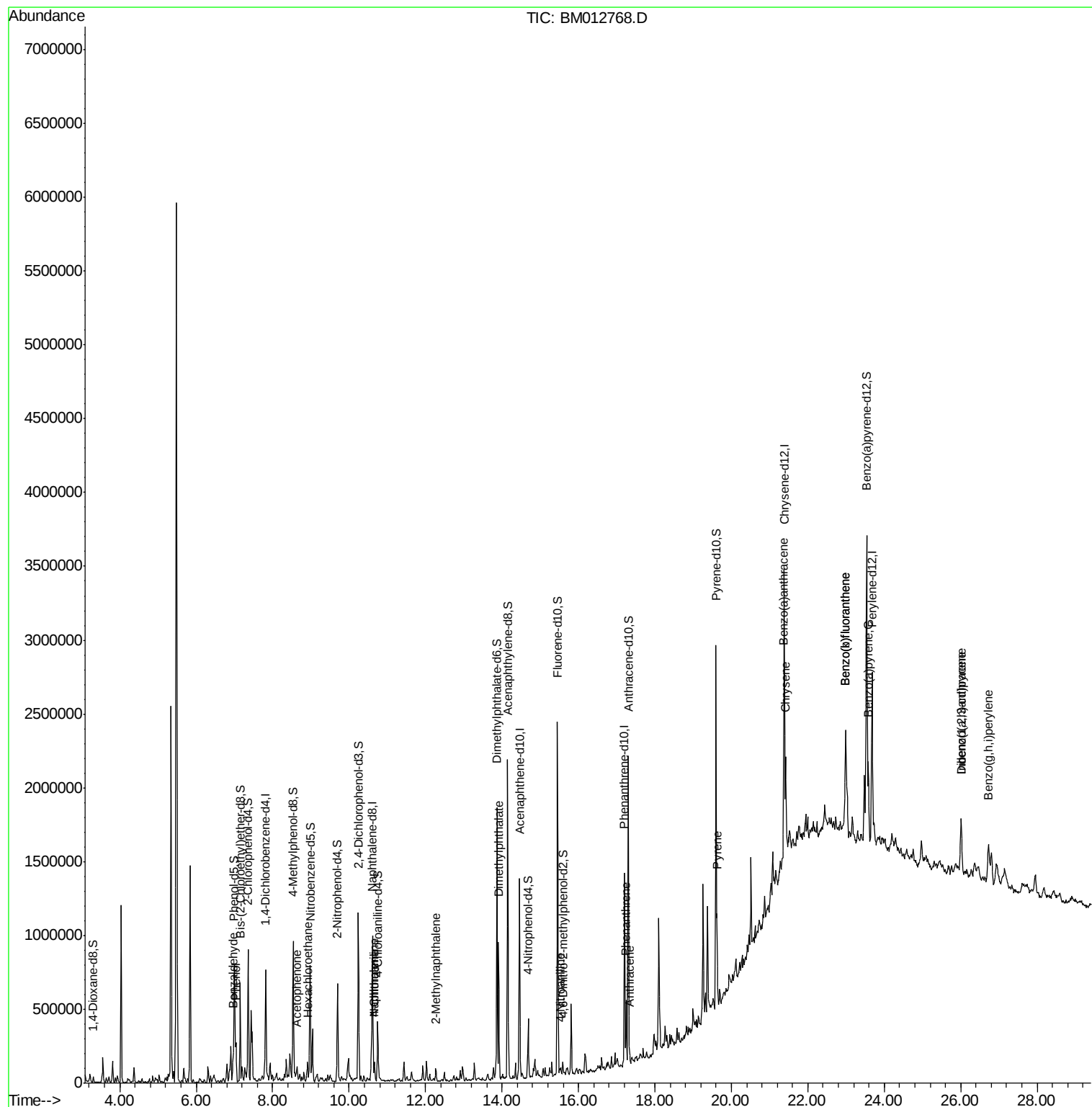
					Ovalue
4) Benzaldehyde	6.97	77	14243	1.73 ng/ul#	1
6) Phenol	7.03	94	74861	4.71 ng/ul	97
14) Acetophenone	8.62	105	30968	1.54 ng/ul#	52
17) Hexachloroethane	8.92	117	8438	1.58 ng/ul#	7
28) Naphthalene	10.66	128	103731	2.53 ng/ul	97
30) 4-Chloroaniline	10.66	127	13946	1.01 ng/ul#	1
34) 2-Methylnaphthalene	12.27	142	44084	1.41 ng/ul	98
44) Dimethylphthalate	13.92	163	613315	17.02 ng/ul	99
60) 4-Nitroaniline	15.53	138	12147	1.72 ng/ul	93
69) Phenanthrene	17.24	178	257635	6.18 ng/ul	99
71) Anthracene	17.34	178	53682	1.24 ng/ul	97
79) Pyrene	19.63	202	364749	7.68 ng/ul#	91
82) Benzo(a)anthracene	21.37	228	303087	6.29 ng/ul#	93
84) Chrysene	21.42	228	355012	8.13 ng/ul#	95
87) Benzo(b)fluoranthene	22.99	252	608719	10.96 ng/ul	98
88) Benzo(k)fluoranthene	22.99	252	608719	11.53 ng/ul	97
90) Benzo(a)pyrene	23.58	252	367356	6.95 ng/ul	95
91) Indeno(1,2,3-cd)pyrene	26.01	276	344960	5.41 ng/ul#	86
92) Dibenzo(a,h)anthracene	26.01	278	97451	1.81 ng/ul#	79
93) Benzo(g,h,i)perylene	26.73	276	313026	5.96 ng/ul#	89

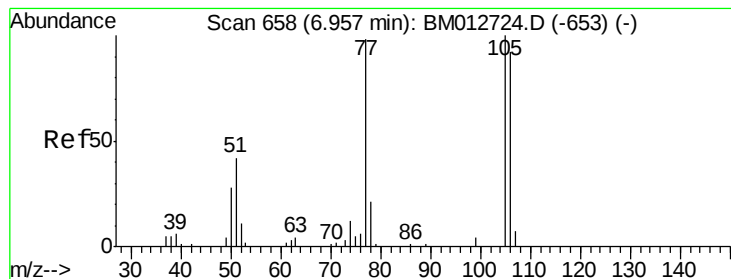
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.73 ng/ul

RT: 6.97 min Scan# 660

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

ClientSampleId :

B-12(1-3)-101317

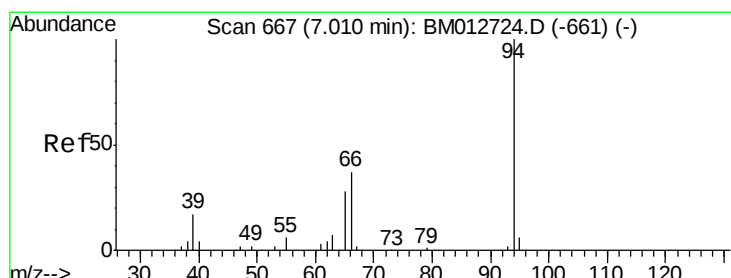
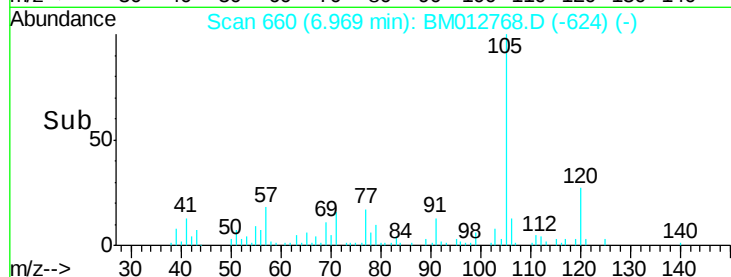
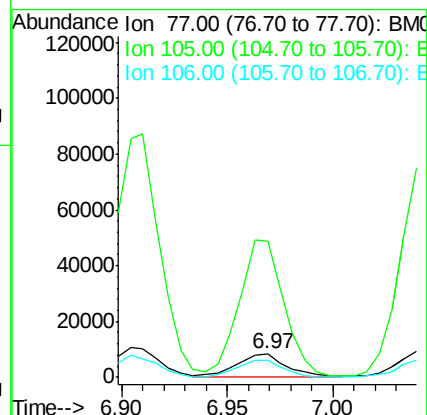
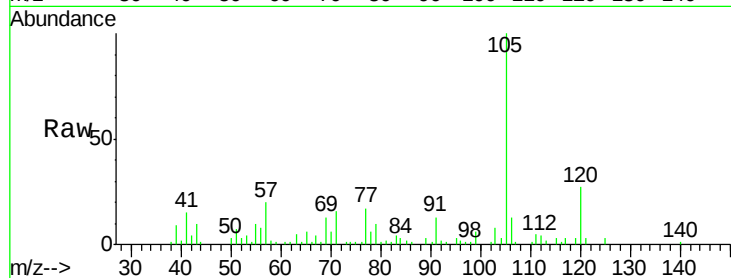
Tot Ion: 77 Resp: 14243

Ion Ratio Lower Upper

77 100

105 580.9 80.6 120.8#

106 73.1 77.7 116.5#



#6

Phenol

Concen: 4.71 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. 0.02 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

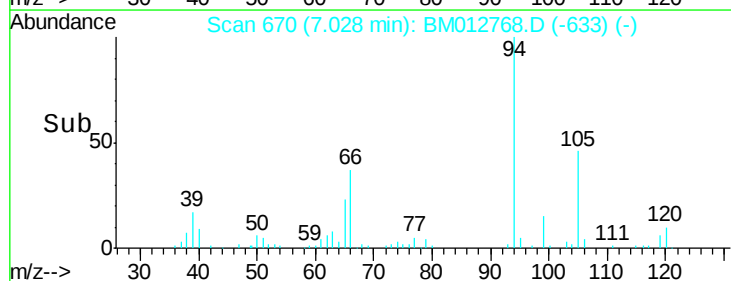
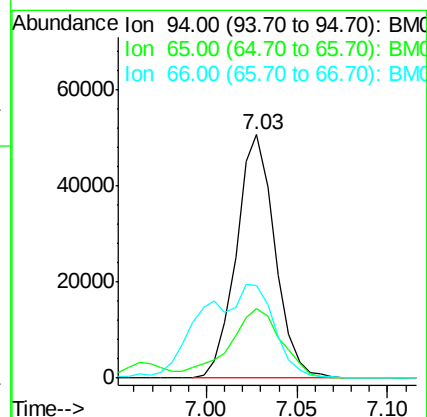
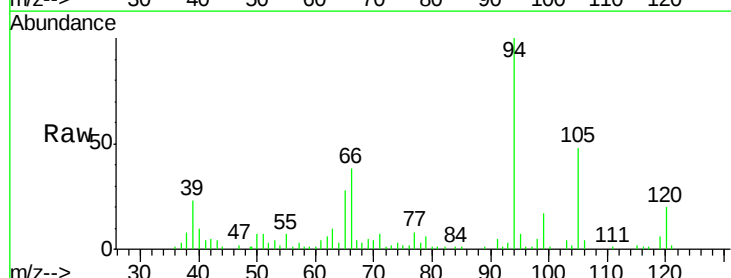
Tgt Ion: 94 Resp: 74861

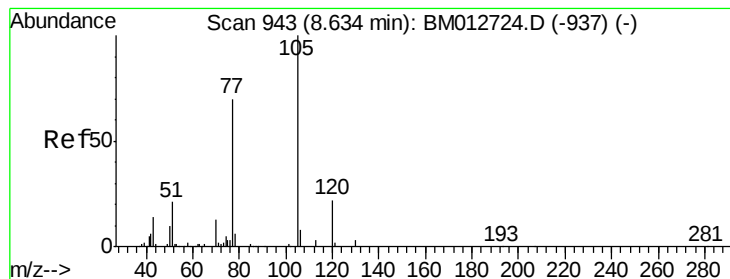
Ion Ratio Lower Upper

94 100

65 28.3 21.0 31.6

66 37.9 29.3 43.9





#14

Acetophenone

Concen: 1.54 ng/ul

RT: 8.62 min Scan# 941

Delta R.T. -0.01 min

Lab File: BM012768.D

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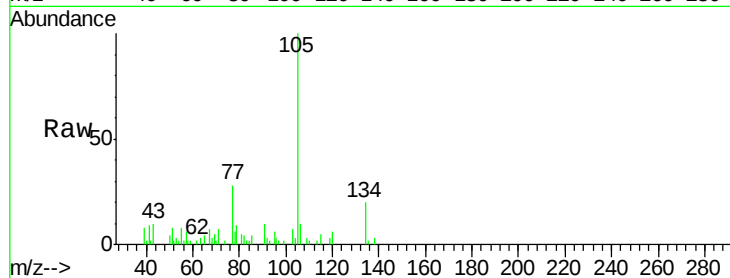
Tot Ion:105 Resp: 30968

Ion Ratio Lower Upper

105 100

77 28.2 59.0 88.4#

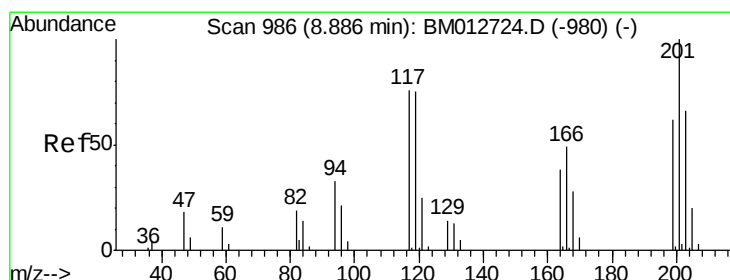
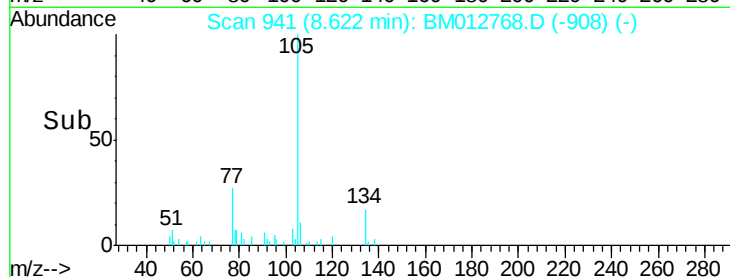
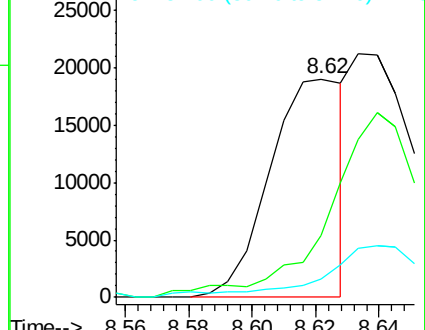
51 8.4 16.4 24.6#



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: 1.58 ng/ul

RT: 8.92 min Scan# 991

Delta R.T. 0.04 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

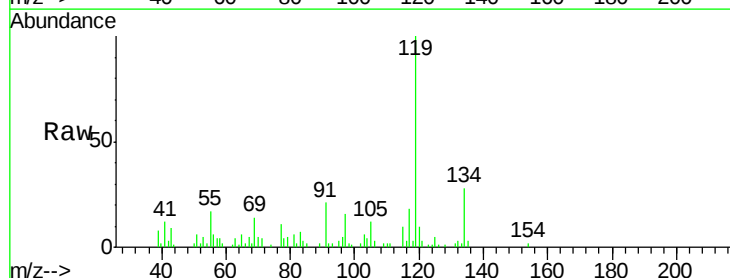
Tgt Ion:117 Resp: 8438

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

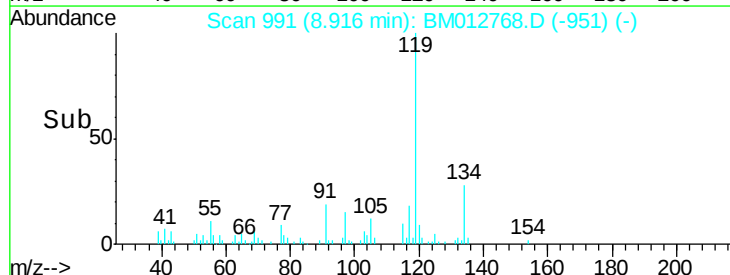
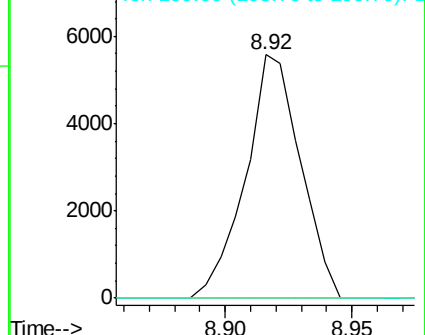
199 0.0 50.6 76.0#

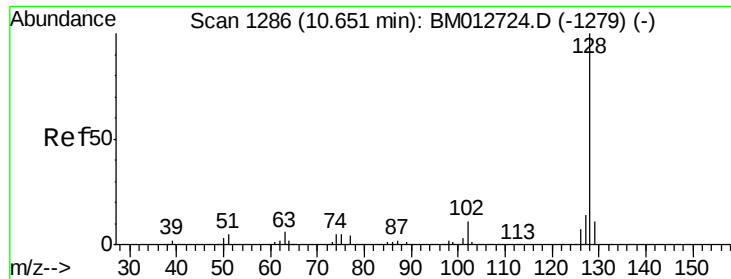


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E





#28

Naphthalene

Concen: 2.53 ng/ul

RT: 10.66 min Scan# 1288

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

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B-12(1-3)-101317

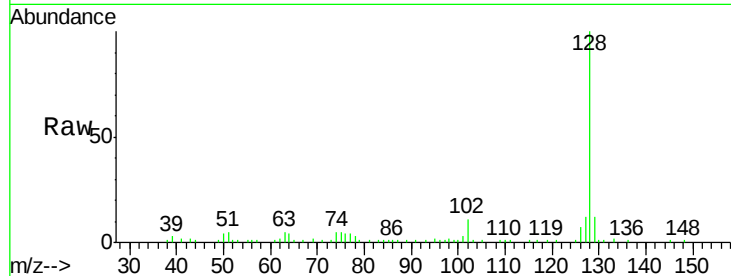
Tot Ion:128 Resp: 103731

Ion Ratio Lower Upper

128 100

129 12.3 8.8 13.2

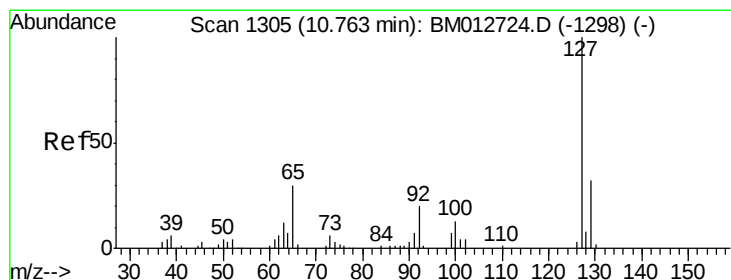
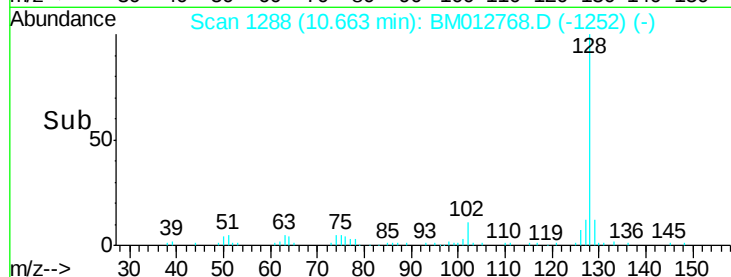
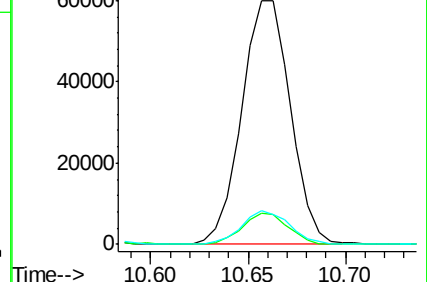
127 12.4 10.5 15.7



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: 1.01 ng/ul

RT: 10.66 min Scan# 1287

Delta R.T. -0.11 min

Lab File: BM012768.D

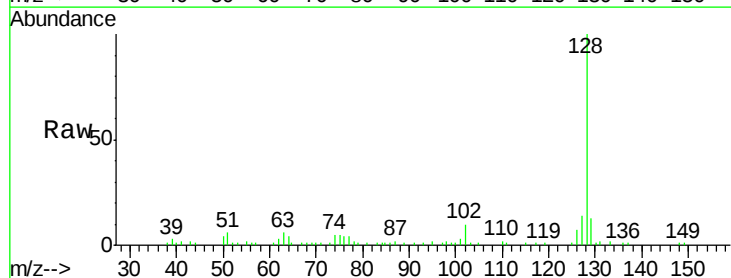
Acq: 06 Nov 2017 08:45

Tgt Ion:127 Resp: 13946

Ion Ratio Lower Upper

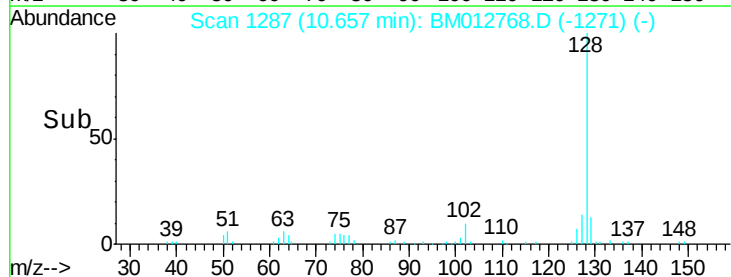
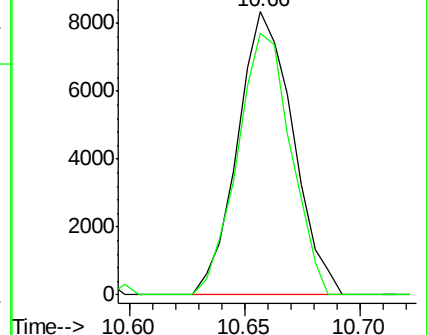
127 100

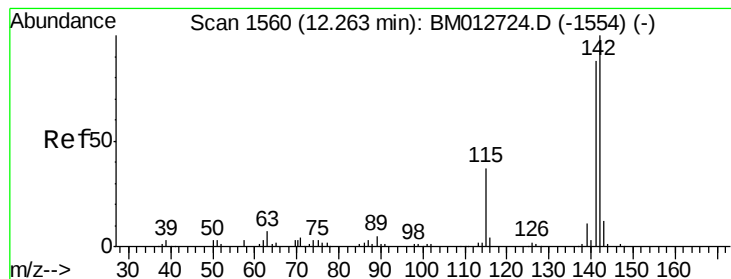
129 92.3 25.4 38.2#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 1.41 ng/ul

RT: 12.27 min Scan# 1562

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

ClientSampleId :

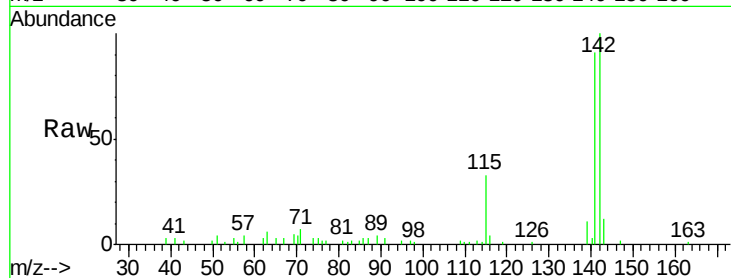
B-12(1-3)-101317

Tot Ion:142 Resp: 44084

Ion Ratio Lower Upper

142 100

141 91.0 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.27

30000

25000

20000

15000

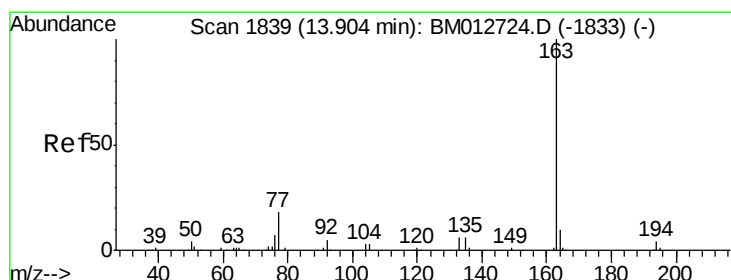
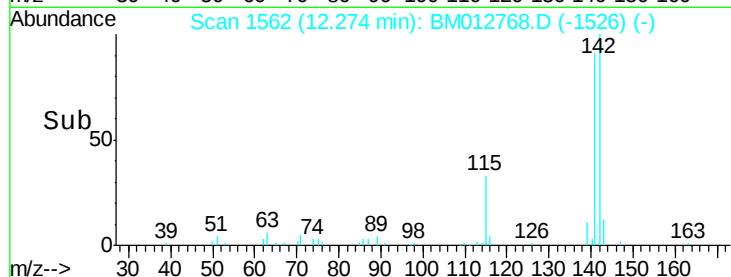
10000

5000

0

Time-->

12.25 12.30



#44

Dimethylphthalate

Concen: 17.02 ng/ul

RT: 13.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

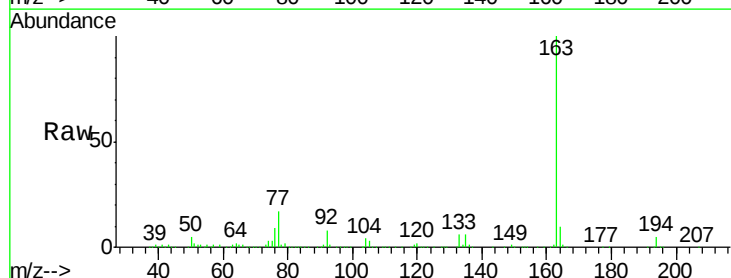
Tgt Ion:163 Resp: 613315

Ion Ratio Lower Upper

163 100

194 4.7 3.2 4.8

164 10.1 7.8 11.8



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

600000

500000

400000

300000

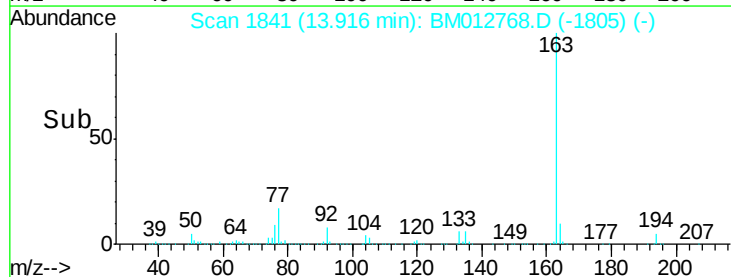
200000

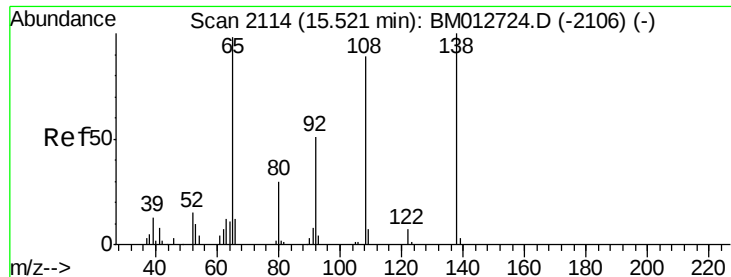
100000

0

Time-->

13.85 13.90 13.95





#60

4-Nitroaniline

Concen: 1.72 ng/ul

RT: 15.53 min Scan# 2115

Delta R.T. 0.01 min

Lab File: BM012768.D

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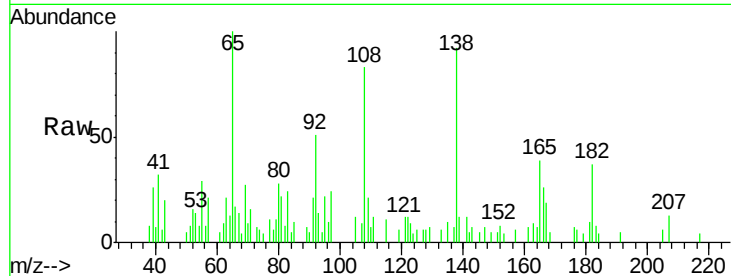
Tot Ion:138 Resp: 12147

Ion Ratio Lower Upper

138 100

92 55.1 40.6 60.8

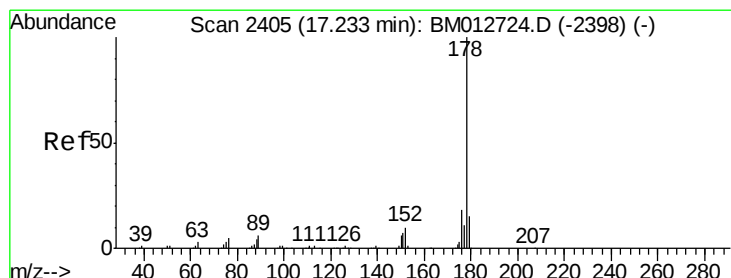
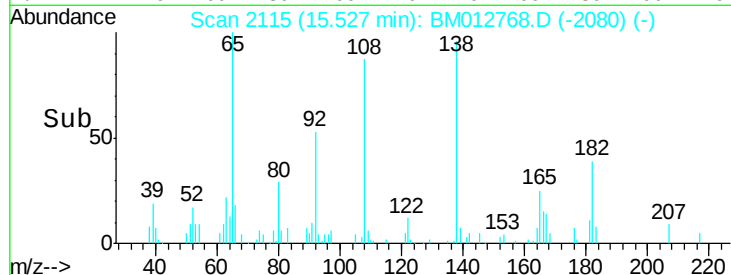
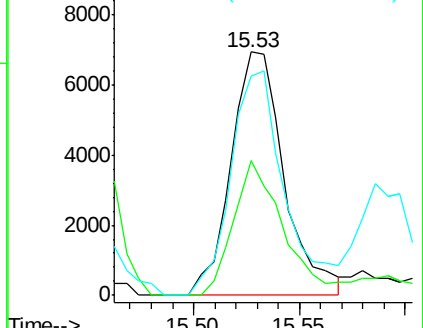
108 90.0 67.0 100.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM012768.D (-2080) (-)

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 6.18 ng/ul

RT: 17.24 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

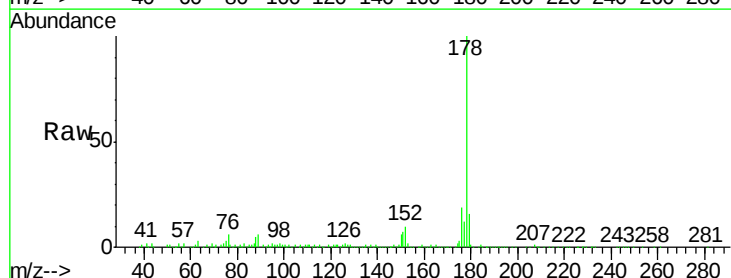
Tgt Ion:178 Resp: 257635

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

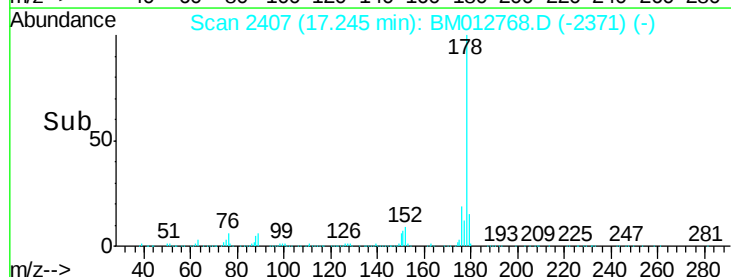
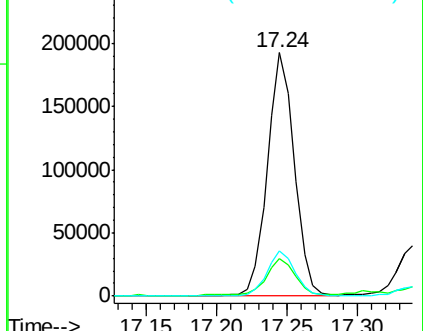
176 18.7 15.6 23.4

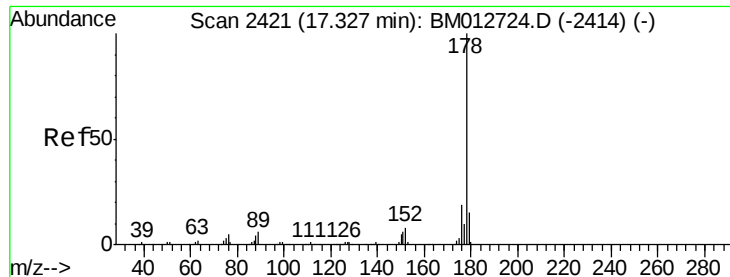


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 1.24 ng/ul

RT: 17.34 min Scan# 2423

Delta R.T. 0.01 min

Lab File: BM012768.D

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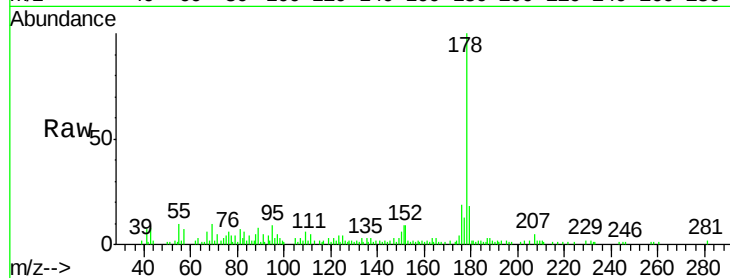
Tot Ion:178 Resp: 53682

Ion Ratio Lower Upper

178 100

179 17.8 12.1 18.1

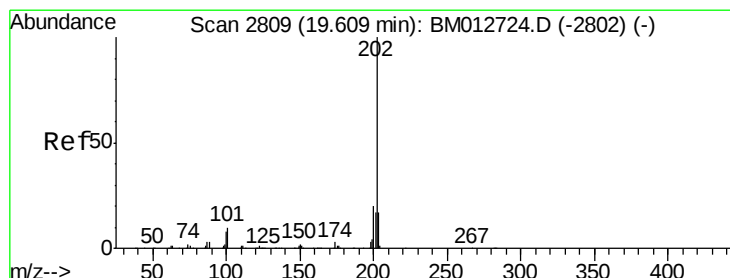
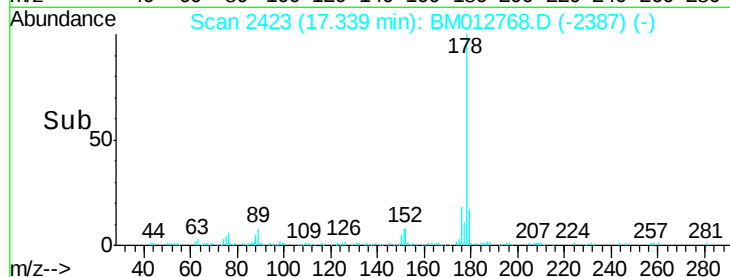
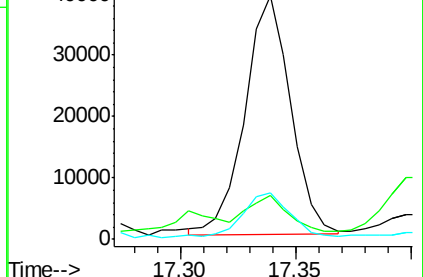
176 18.9 14.8 22.2



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



#79

Pyrene

Concen: 7.68 ng/ul

RT: 19.63 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

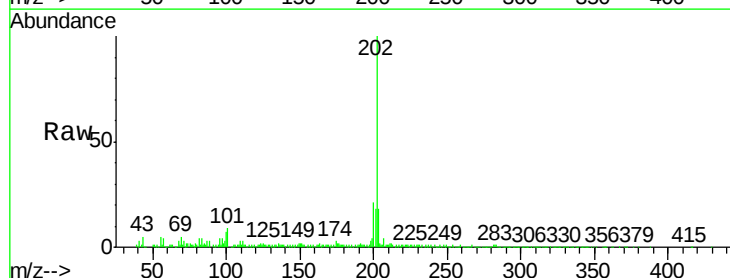
Tgt Ion:202 Resp: 364749

Ion Ratio Lower Upper

202 100

101 9.3 10.2 15.2#

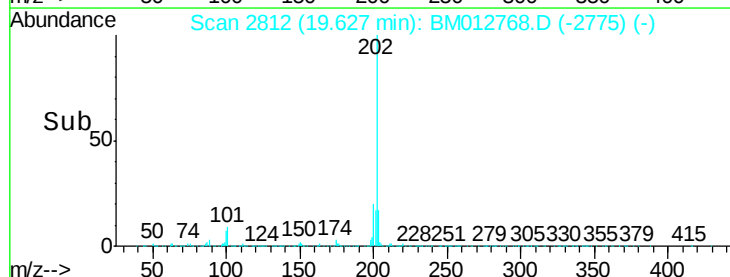
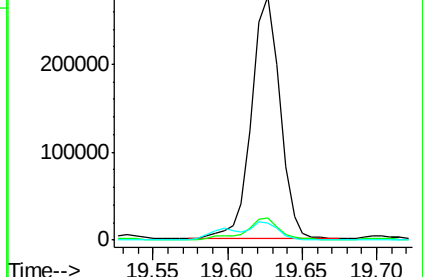
100 7.2 8.5 12.7#

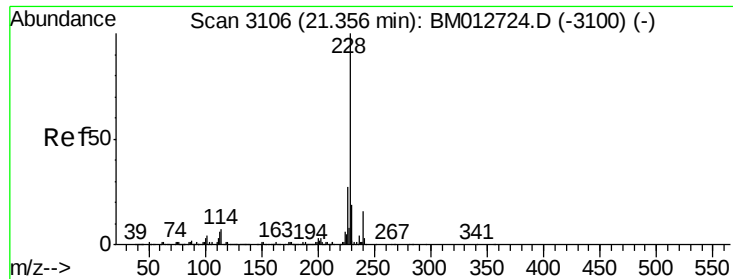


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

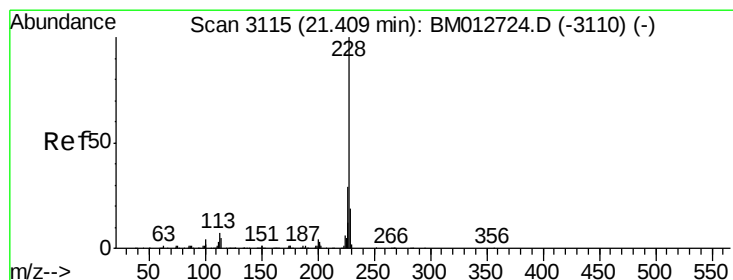
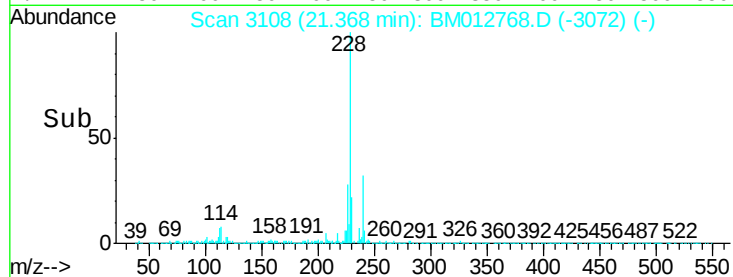
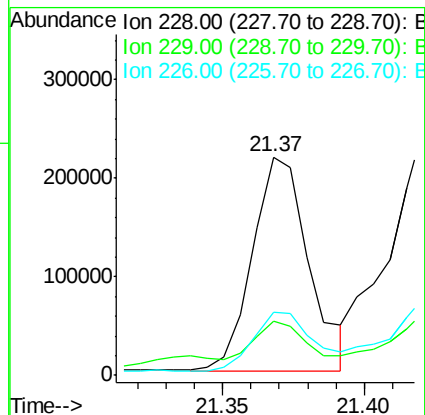
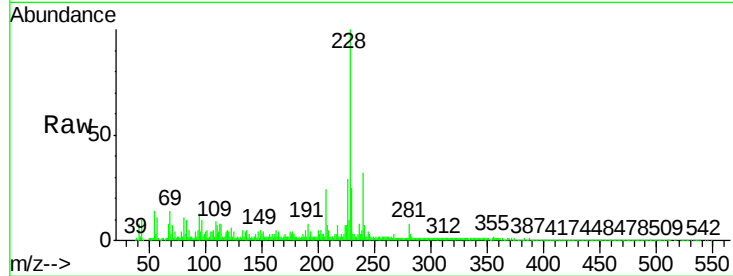




#82
Benzo(a)anthracene
Concen: 6.29 ng/ul
RT: 21.37 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BM012768.D
Acq: 06 Nov 2017 08:45

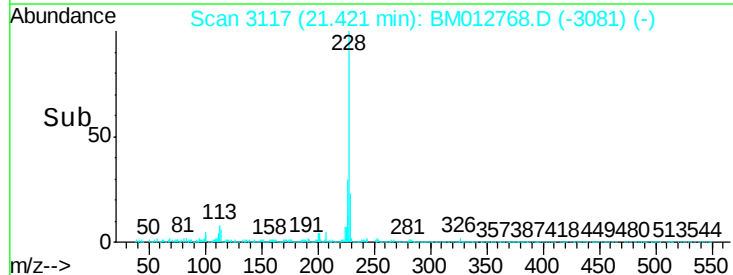
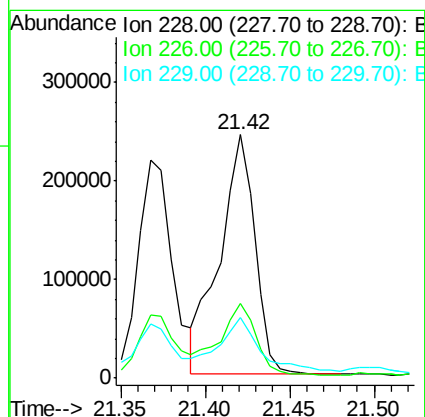
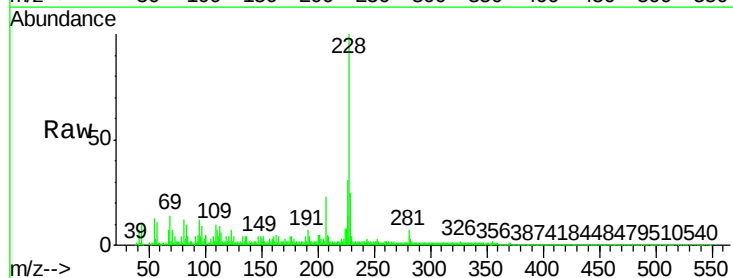
Instrument :
BNA_M
ClientSampleId :
B-12(1-3)-101317

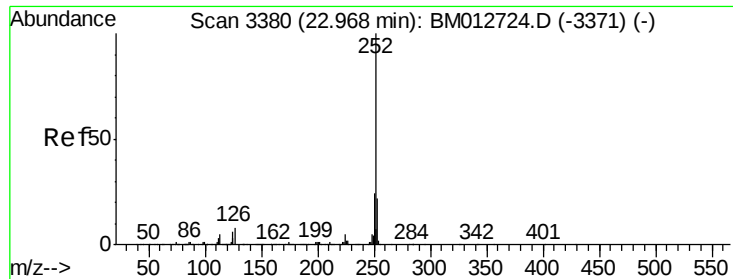
Tot Ion:228 Resp: 303087
Ion Ratio Lower Upper
228 100
229 24.8 15.7 23.5#
226 28.9 21.8 32.6



#84
Chrysene
Concen: 8.13 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. 0.01 min
Lab File: BM012768.D
Acq: 06 Nov 2017 08:45

Tgt Ion:228 Resp: 355012
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 24.8 15.6 23.4#





#87

Benzo(b)fluoranthene

Concen: 10.96 ng/ul

RT: 22.99 min Scan# 3384

Delta R.T. 0.02 min

Lab File: BM012768.D

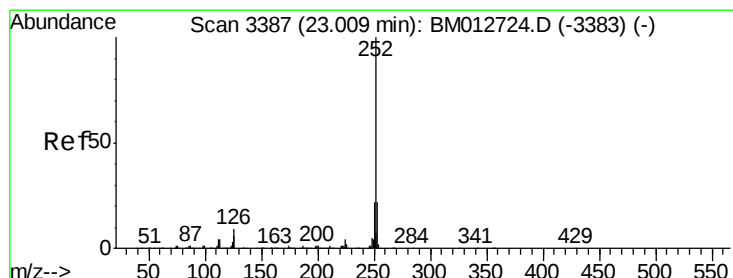
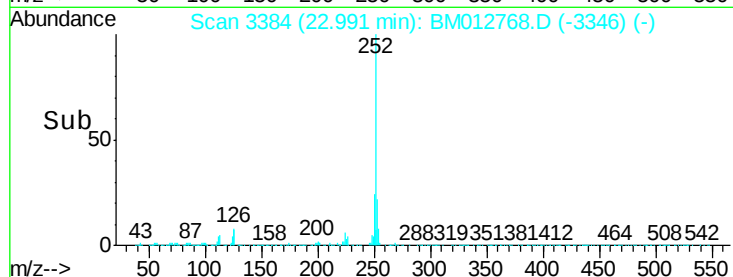
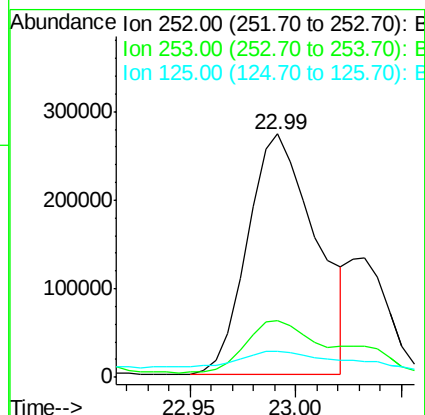
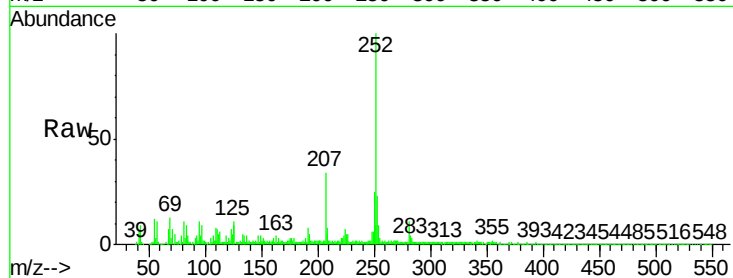
Acq: 06 Nov 2017 08:45

Instrument :
BNA_M

ClientSampleId :
B-12(1-3)-101317

Tot Ion:252 Resp: 608719

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.5	8.5	12.7



#88

Benzo(k)fluoranthene

Concen: 11.53 ng/ul

RT: 22.99 min Scan# 3384

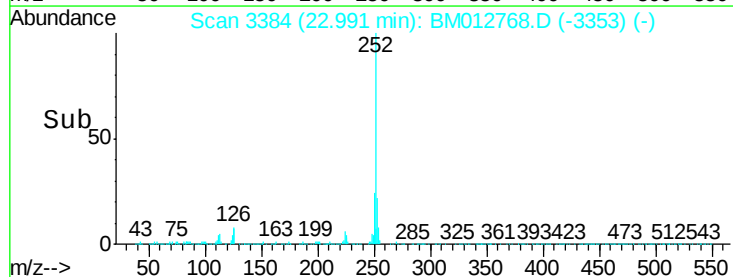
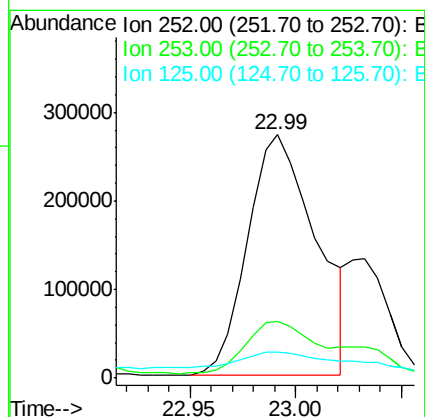
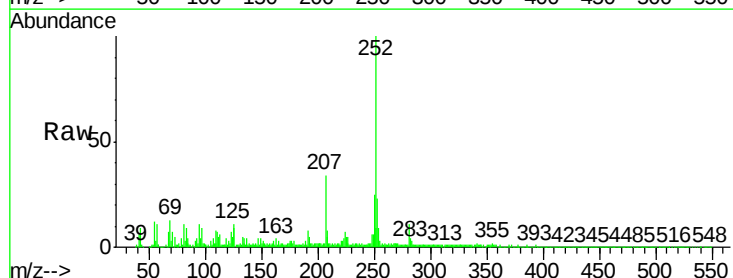
Delta R.T. -0.02 min

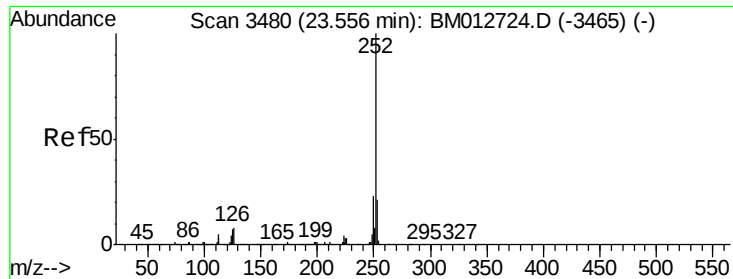
Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Tgt Ion:252 Resp: 608719

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.3	25.9
125	10.5	8.2	12.2





#90

Benzo(a)pyrene

Concen: 6.95 ng/ul

RT: 23.58 min Scan# 3484

Delta R.T. 0.02 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

ClientSampleId :

B-12(1-3)-101317

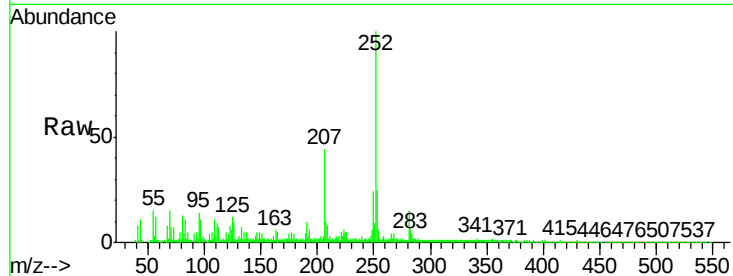
Tot Ion:252 Resp: 367356

Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

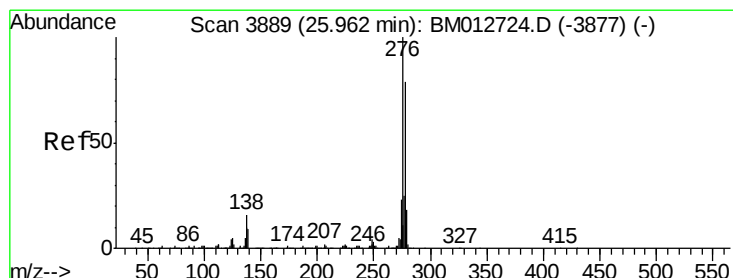
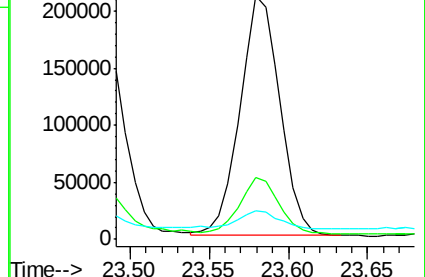
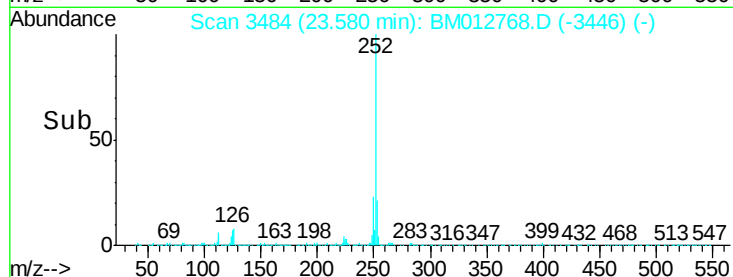
125 11.5 9.0 13.6



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



#91

Indeno(1,2,3-cd)pyrene

Concen: 5.41 ng/ul

RT: 26.01 min Scan# 3897

Delta R.T. 0.04 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

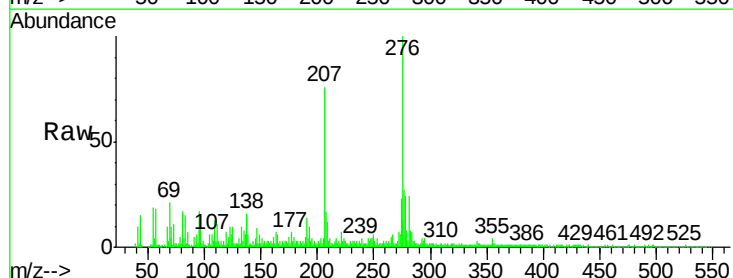
Tgt Ion:276 Resp: 344960

Ion Ratio Lower Upper

276 100

138 15.6 22.3 33.5#

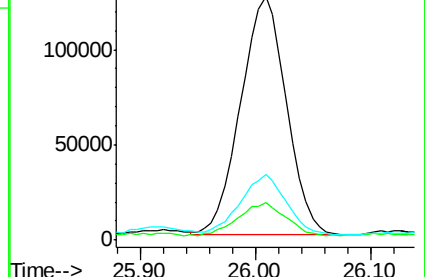
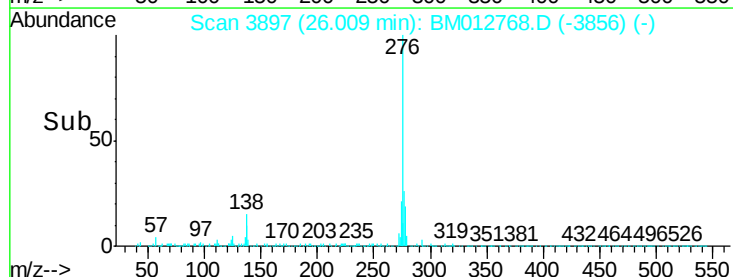
277 26.8 20.2 30.2

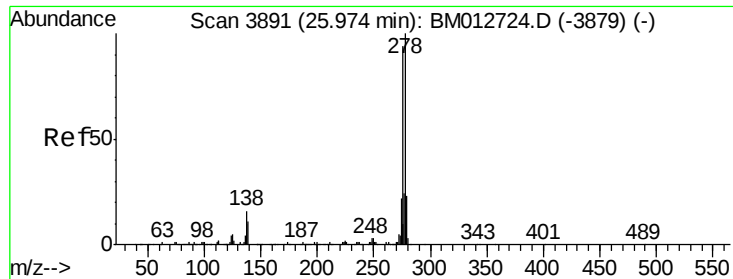


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.81 ng/ul

RT: 26.01 min Scan# 3897

Delta R.T. 0.04 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Instrument :

BNA_M

ClientSampleId :

B-12(1-3)-101317

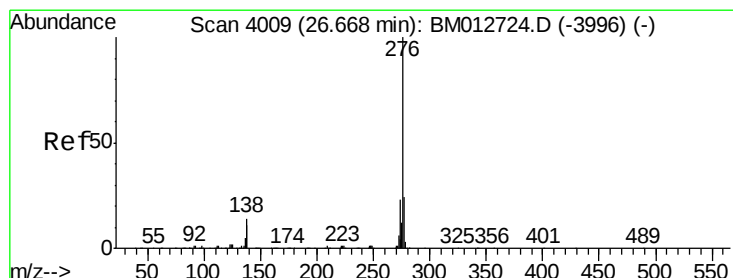
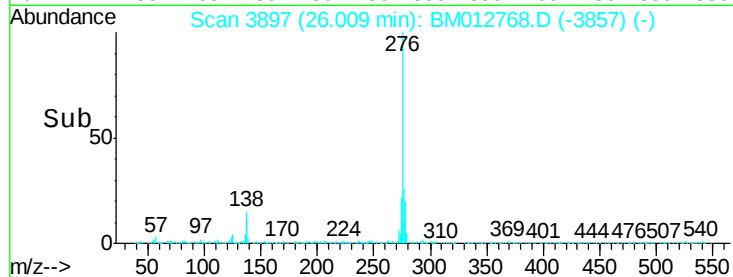
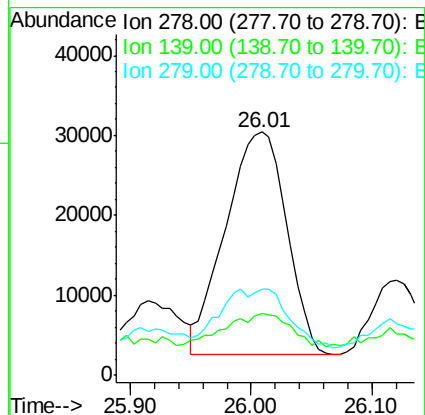
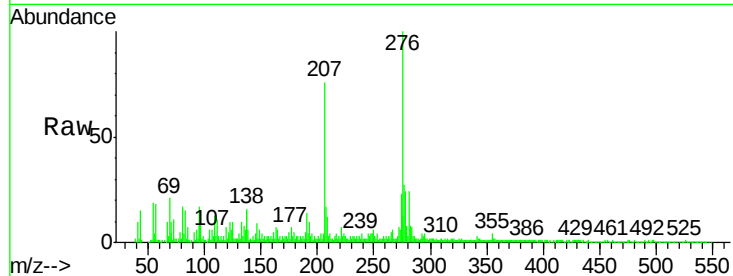
Tot Ion:278 Resp: 97451

Ion Ratio Lower Upper

278 100

139 25.2 13.9 20.9#

279 35.2 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 5.96 ng/ul

RT: 26.73 min Scan# 4019

Delta R.T. 0.05 min

Lab File: BM012768.D

Acq: 06 Nov 2017 08:45

Tgt Ion:276 Resp: 313026

Ion Ratio Lower Upper

276 100

138 15.2 18.9 28.3#

277 26.7 19.2 28.8

