

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110117\
 Data File : BM012657.D
 Acq On : 02 Nov 2017 03:21
 Operator : SJ/JU
 Sample : I5937-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0DT8

Quant Time: Nov 02 04:17:27 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 02 04:04:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	462064	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	2048245	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	1291216	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	2976164	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	2850545	20.00	ng/ul	0.00
83) Perylene-d12	23.69	264	2313372	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.33	96	27998	3.09	ng/uL	0.00
5) Phenol-d5	7.01	99	708806	18.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	446164	19.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	582492	20.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	496459	15.05	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	300882	23.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	342578	25.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	636829	18.19	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	356742	9.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.88	166	2044282	18.12	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	2494534	18.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	236400	14.10	ng/ul	0.00
57) Fluorene-d10	15.46	176	1781794	18.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	202198	14.04	ng/ul	0.00
70) Anthracene-d10	17.32	188	2730371	19.25	ng/ul	0.00
76) Pyrene-d10	19.60	212	2868600	21.93	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.54	264	2082123	18.94	ng/ul	0.00

Target Compounds

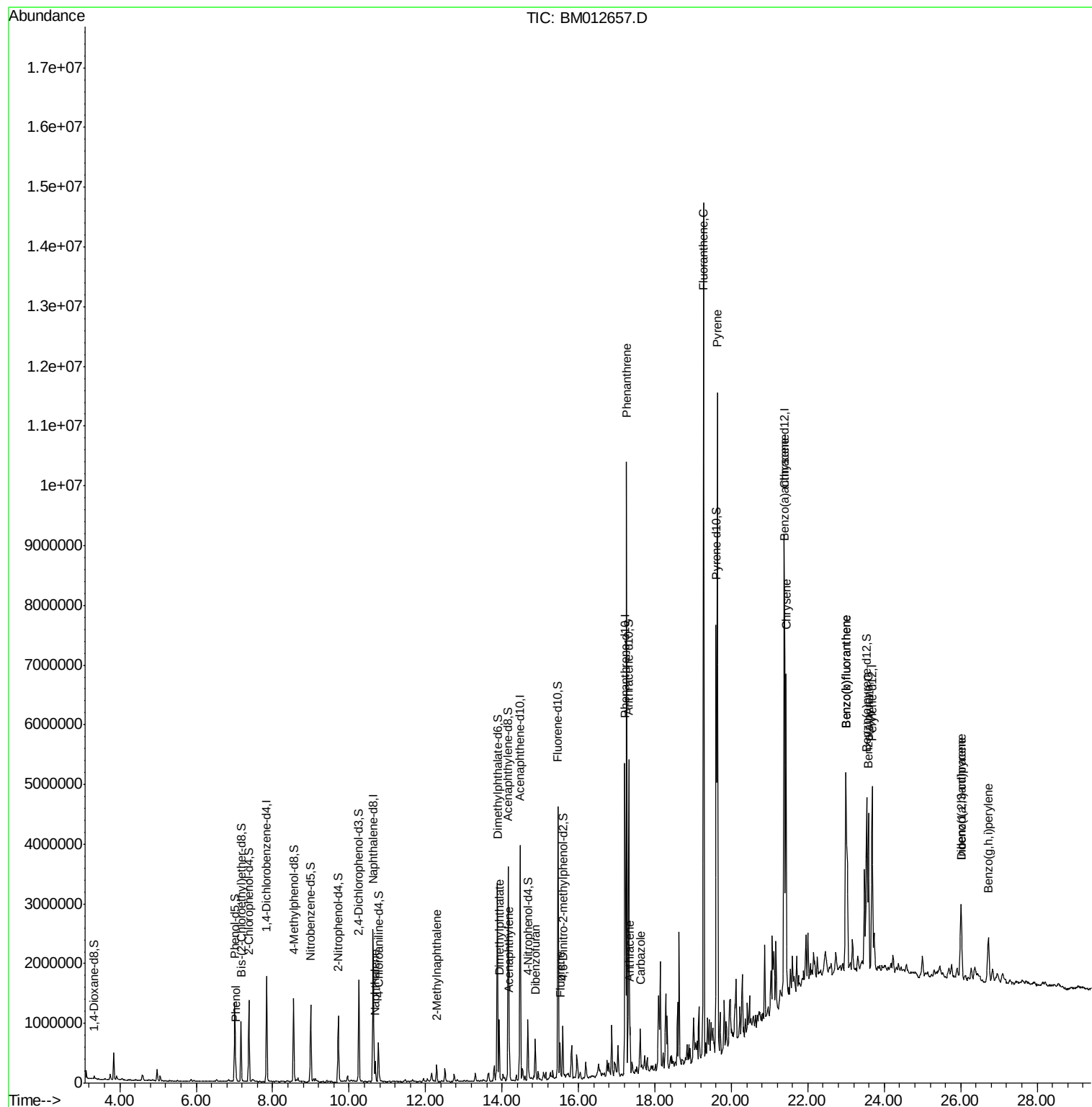
					Ovalue	
6) Phenol	7.04	94	70689	1.76	ng/ul#	85
28) Naphthalene	10.68	128	256651	2.53	ng/ul	97
34) 2-Methylnaphthalene	12.29	142	131872	1.60	ng/ul	99
44) Dimethylphthalate	13.93	163	603892	5.41	ng/ul	100
47) Acenaphthylene	14.19	152	384081	3.02	ng/ul	96
53) Dibenzofuran	14.87	168	355892	2.76	ng/ul	97
58) Fluorene	15.52	166	230624	2.11	ng/ul	99
69) Phenanthrene	17.26	178	6264778	38.92	ng/ul	99
71) Anthracene	17.35	178	508121	3.05	ng/ul	99
72) Carbazole	17.62	167	436294	3.17	ng/ul	99
74) Fluoranthene	19.27	202	8404539	46.08	ng/ul#	91
77) Pyrene	19.64	202	6756524	41.68	ng/ul#	91
80) Benzo(a)anthracene	21.37	228	2445497	14.33	ng/ul	96
82) Chrysene	21.43	228	2856881	18.82	ng/ul	98
85) Benzo(b)fluoranthene	23.00	252	3134588	21.92	ng/ul#	97
86) Benzo(k)fluoranthene	23.00	252	3134588	23.29	ng/ul#	95
88) Benzo(a)pyrene	23.59	252	1896552	13.91	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.00	276	1284152	8.00	ng/ul#	96
90) Dibenzo(a,h)anthracene	26.01	278	312097	2.29	ng/ul#	87
91) Benzo(g,h,i)perylene	26.73	276	984596	7.57	ng/ul#	94

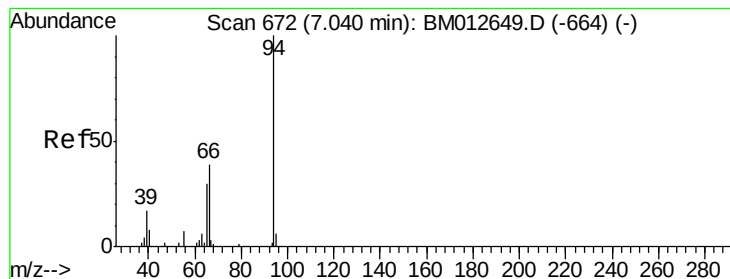
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.76 ng/ul

RT: 7.04 min Scan# 672

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleId :

B0DT8

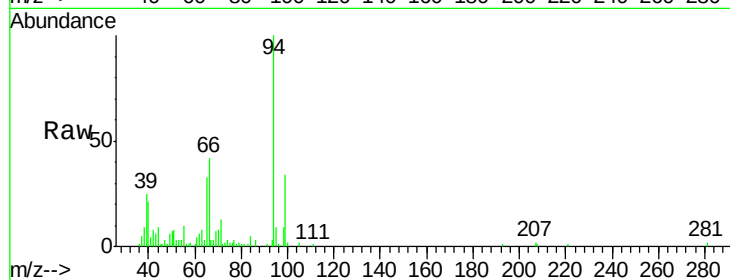
Tot Ion: 94 Resp: 70689

Ion Ratio Lower Upper

94 100

65 33.1 28.2 42.4

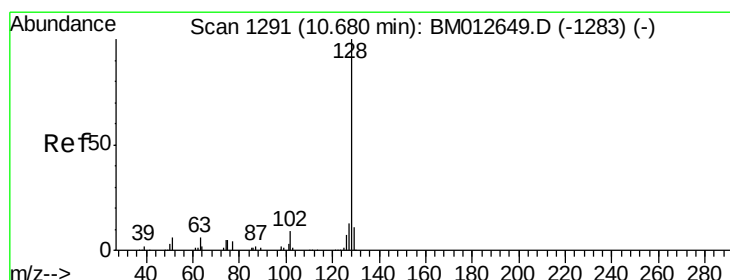
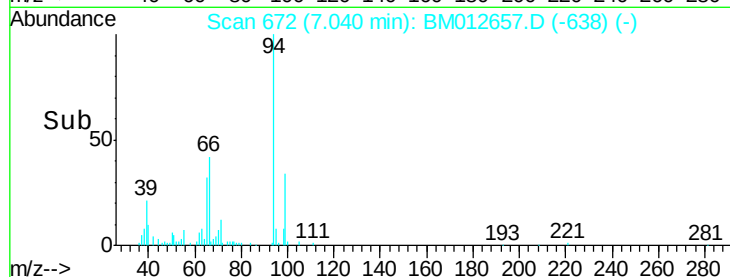
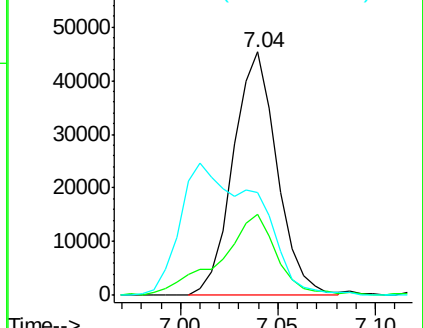
66 42.4 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012649.D (-664) (-)

Ion 65.00 (64.70 to 65.70): BM012649.D (-664) (-)

Ion 66.00 (65.70 to 66.70): BM012649.D (-664) (-)



#28

Naphthalene

Concen: 2.53 ng/ul

RT: 10.68 min Scan# 1291

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

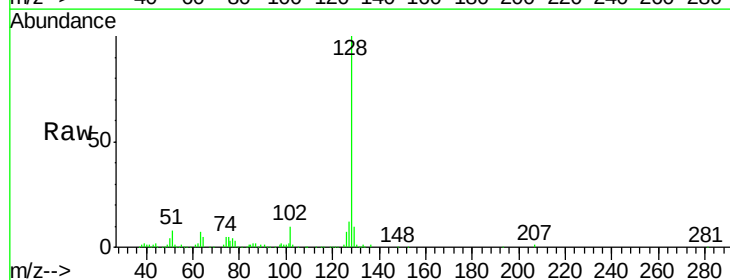
Tgt Ion: 128 Resp: 256651

Ion Ratio Lower Upper

128 100

129 9.7 8.8 13.2

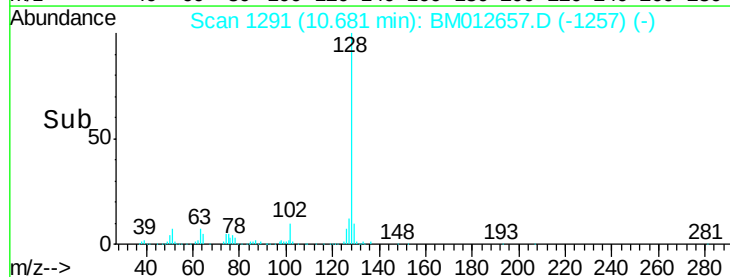
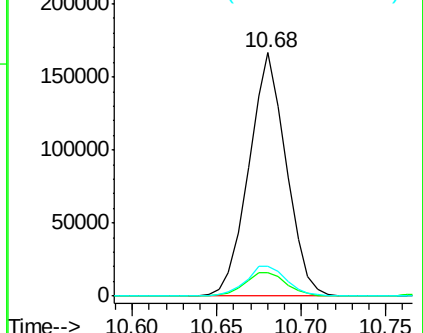
127 12.3 10.6 16.0

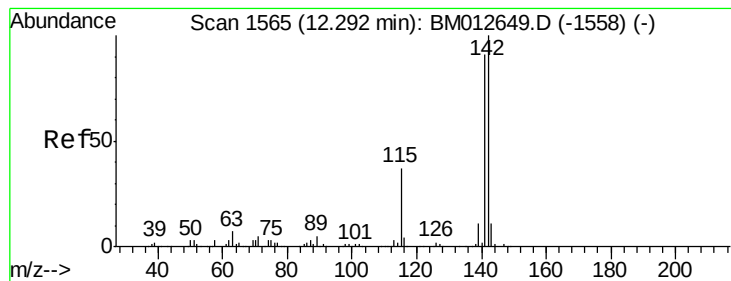


Abundance Ion 128.00 (127.70 to 128.70): BM012649.D (-1283) (-)

Ion 129.00 (128.70 to 129.70): BM012649.D (-1283) (-)

Ion 127.00 (126.70 to 127.70): BM012649.D (-1283) (-)





#34

2-Methylnaphthalene

Concen: 1.60 ng/ul

RT: 12.29 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleId :

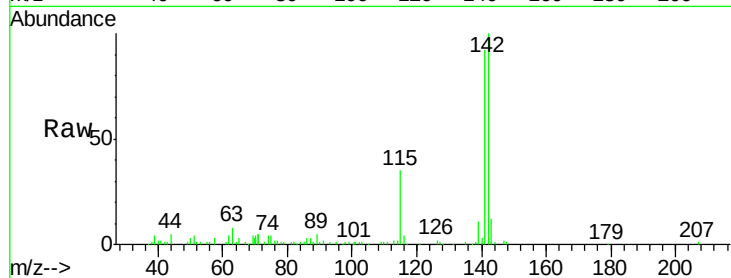
B0DT8

Tot Ion:142 Resp: 131872

Ion Ratio Lower Upper

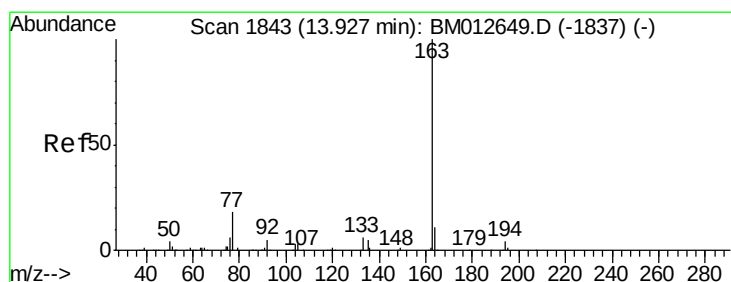
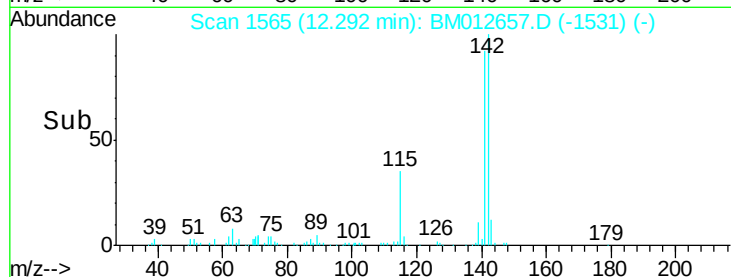
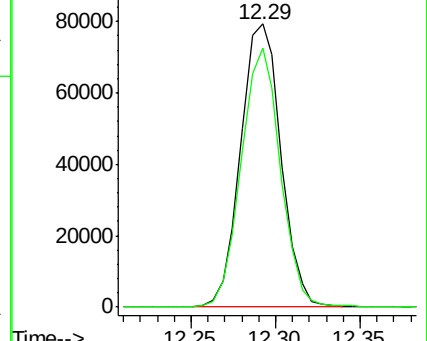
142 100

141 91.7 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 5.41 ng/ul

RT: 13.93 min Scan# 1843

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

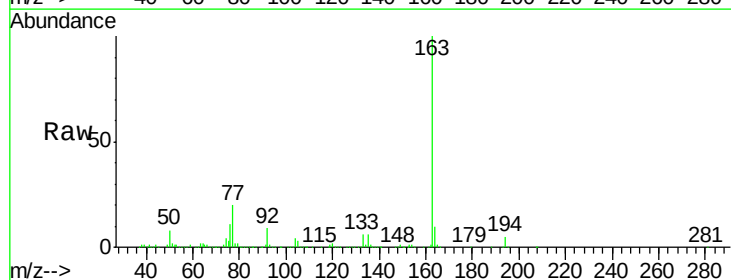
Tgt Ion:163 Resp: 603892

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

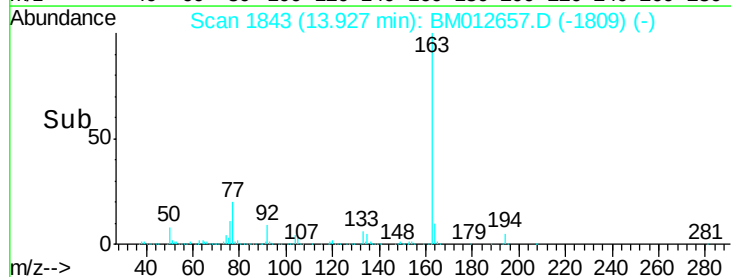
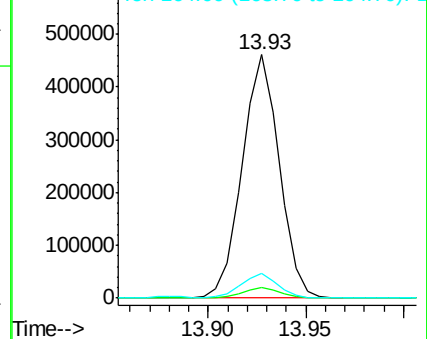
164 10.3 8.2 12.4

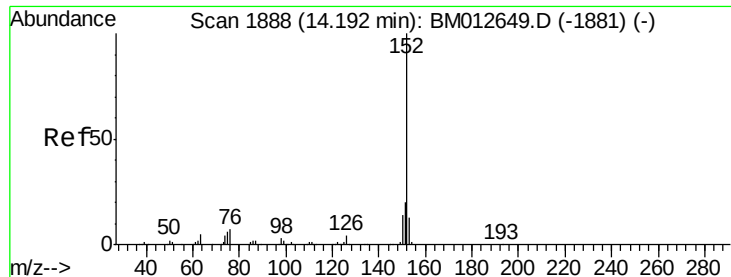


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 3.02 ng/ul

RT: 14.19 min Scan# 1888

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleId :

B0DT8

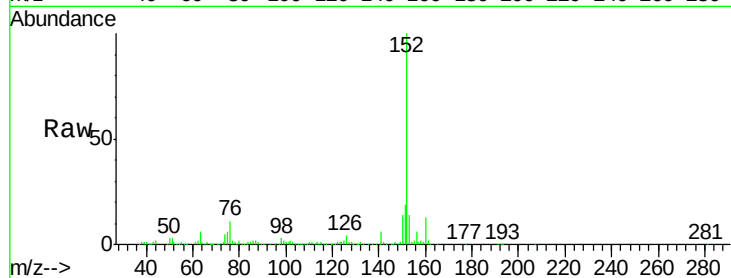
Tot Ion:152 Resp: 384081

Ion Ratio Lower Upper

152 100

151 18.7 16.3 24.5

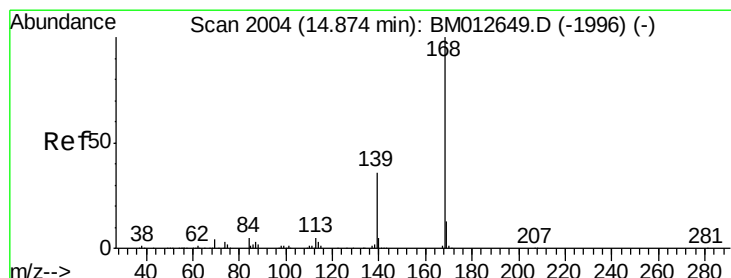
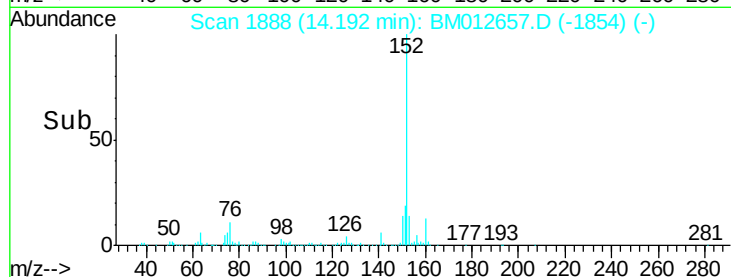
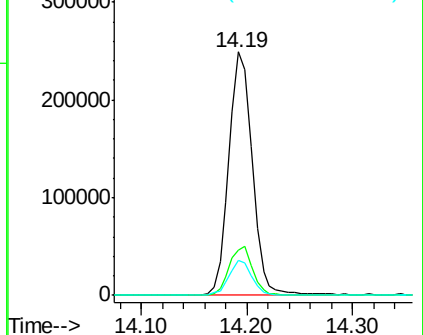
153 14.3 10.2 15.4



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



#53

Dibenzofuran

Concen: 2.76 ng/ul

RT: 14.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BM012657.D

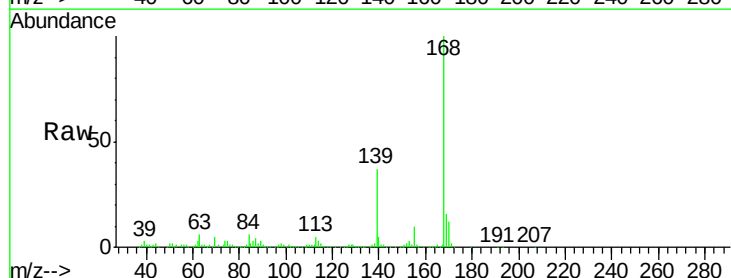
Acq: 02 Nov 2017 03:21

Tgt Ion:168 Resp: 355892

Ion Ratio Lower Upper

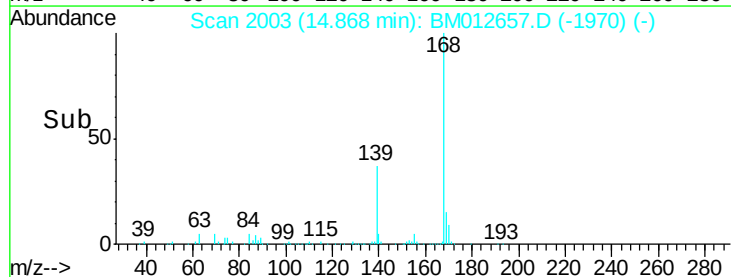
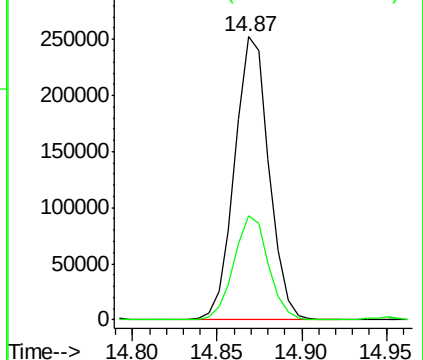
168 100

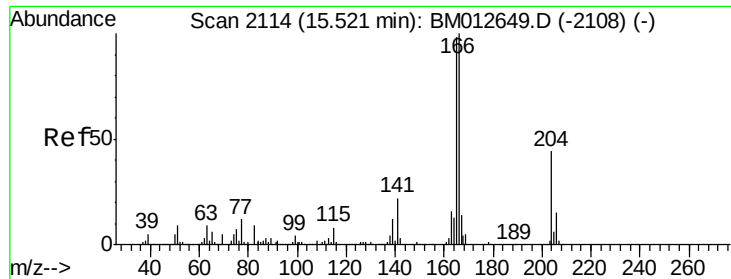
139 36.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.11 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleId :

B0DT8

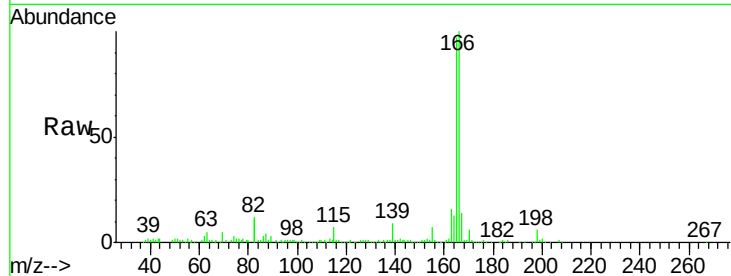
Tot Ion:166 Resp: 230624

Ion Ratio Lower Upper

166 100

165 96.6 77.9 116.9

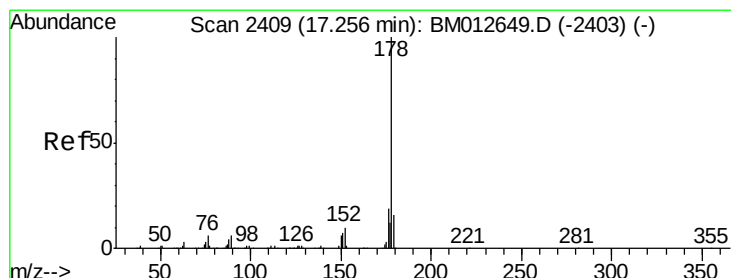
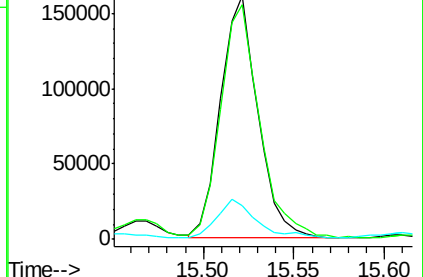
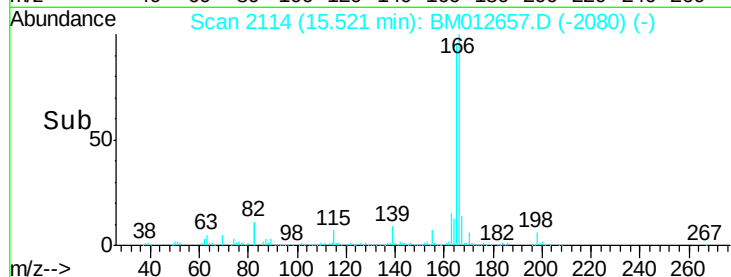
167 14.1 10.6 16.0



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: 38.92 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. 0.01 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

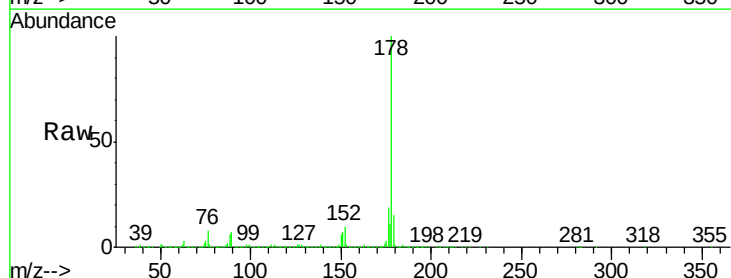
Tgt Ion:178 Resp: 6264778

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

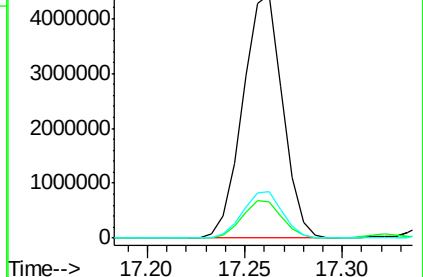
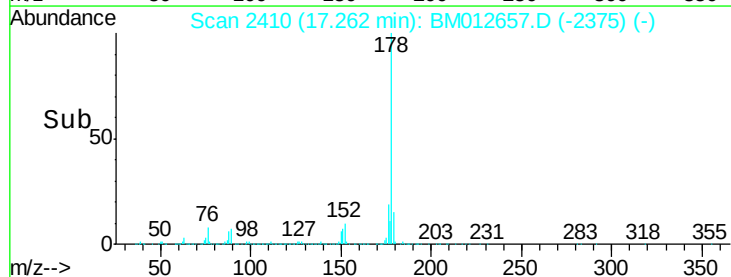
176 18.9 14.9 22.3

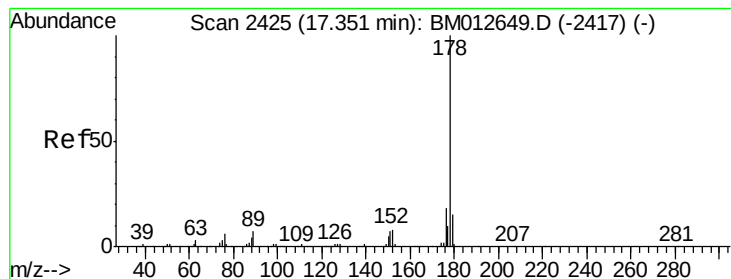


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 3.05 ng/ul

RT: 17.35 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BM012657.D

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BNA_M

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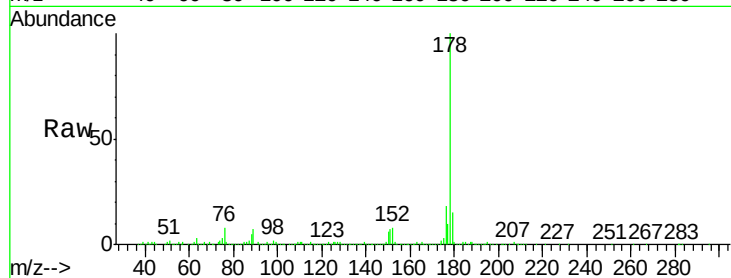
Tot Ion:178 Resp: 508121

Ion Ratio Lower Upper

178 100

179 14.9 11.7 17.5

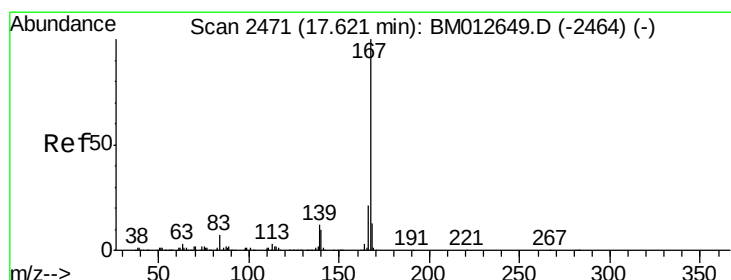
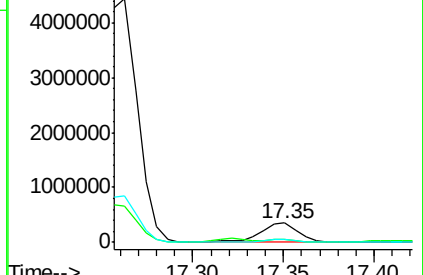
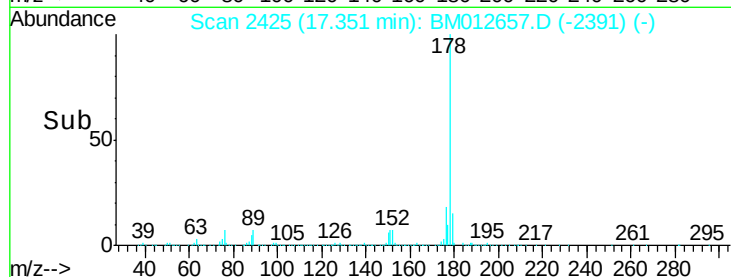
176 17.7 14.6 21.8



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: 3.17 ng/ul

RT: 17.62 min Scan# 2470

Delta R.T. -0.01 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

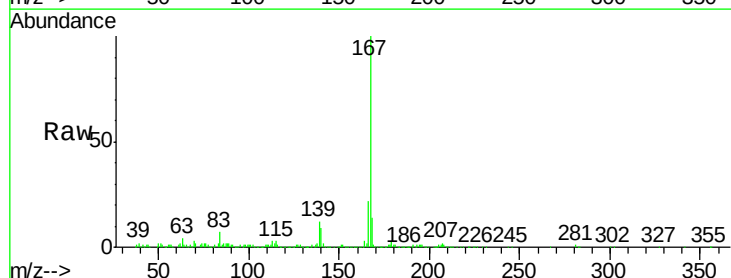
Tgt Ion:167 Resp: 436294

Ion Ratio Lower Upper

167 100

166 22.2 17.1 25.7

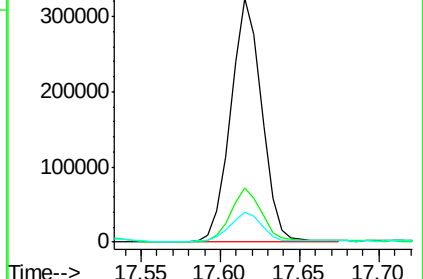
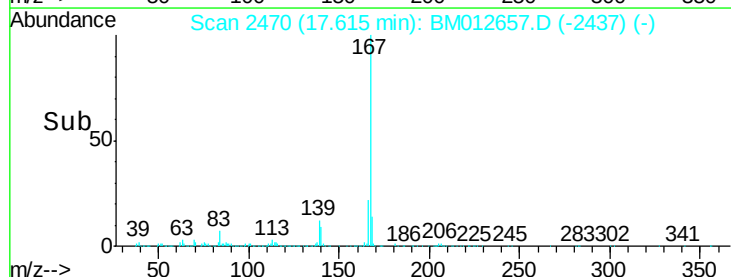
139 12.1 10.0 15.0

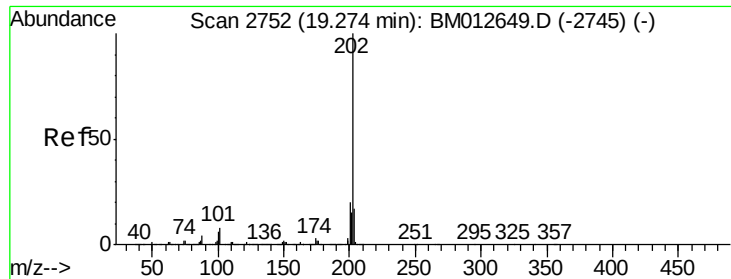


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 46.08 ng/ul

RT: 19.27 min Scan# 2752

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

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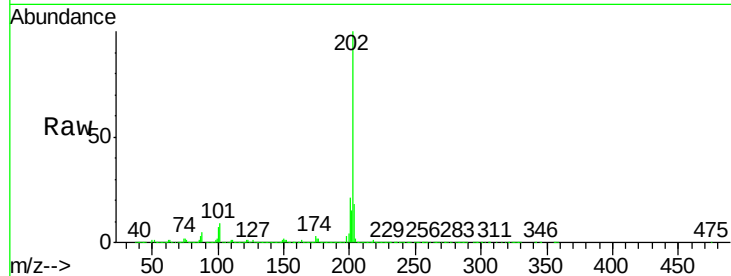
Tot Ion:202 Resp: 8404539

Ion Ratio Lower Upper

202 100

101 9.3 4.6 7.0#

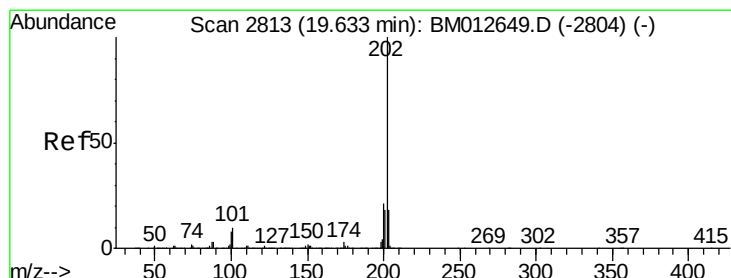
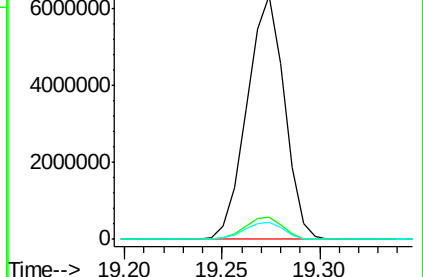
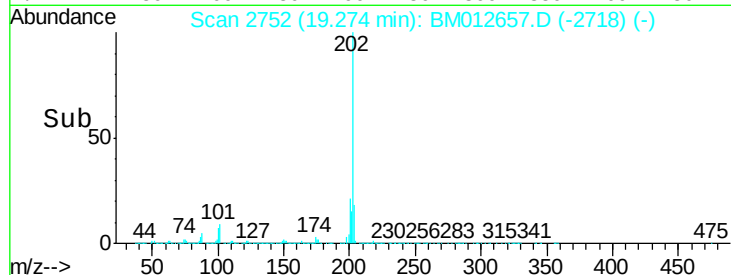
100 7.0 3.4 5.2#



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: 41.68 ng/ul

RT: 19.64 min Scan# 2814

Delta R.T. 0.01 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

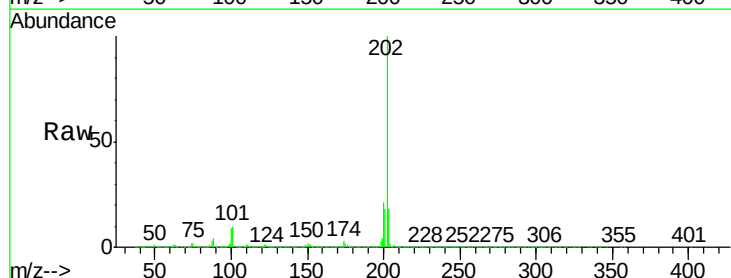
Tgt Ion:202 Resp: 6756524

Ion Ratio Lower Upper

202 100

101 10.0 5.1 7.7#

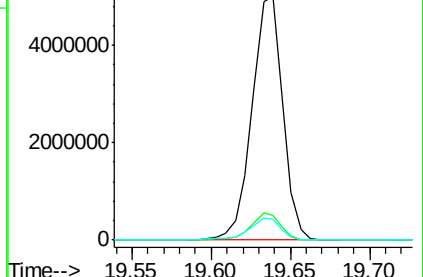
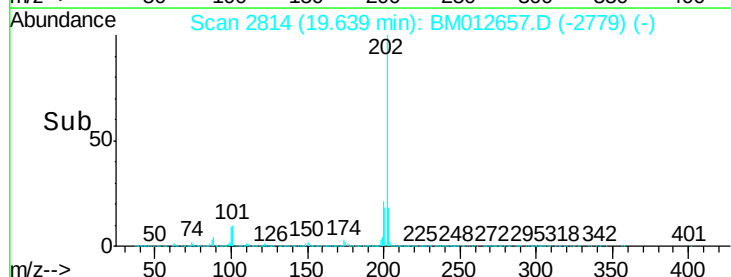
100 8.5 4.9 7.3#

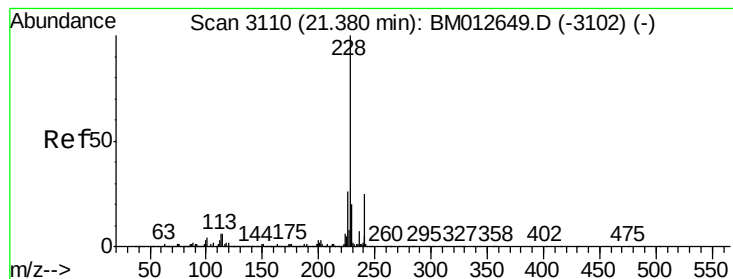


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 14.33 ng/ul

RT: 21.37 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleId :

B0DT8

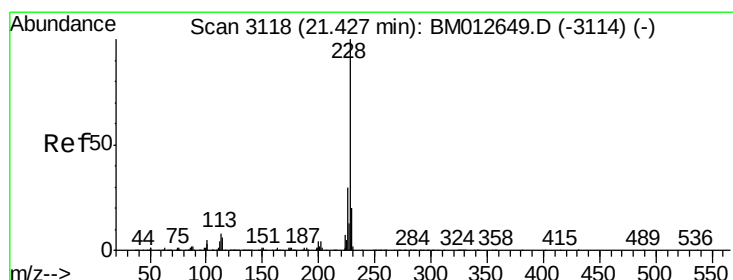
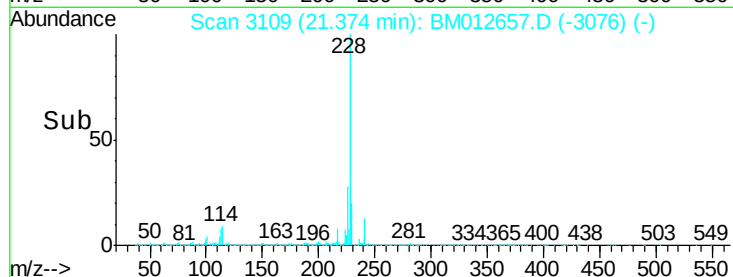
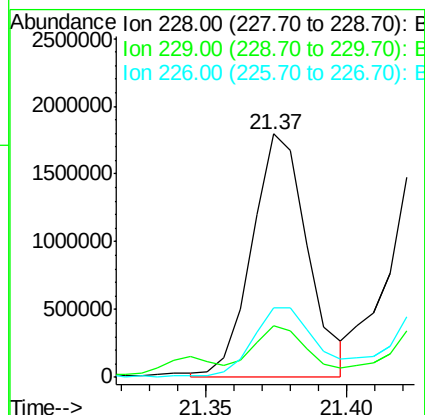
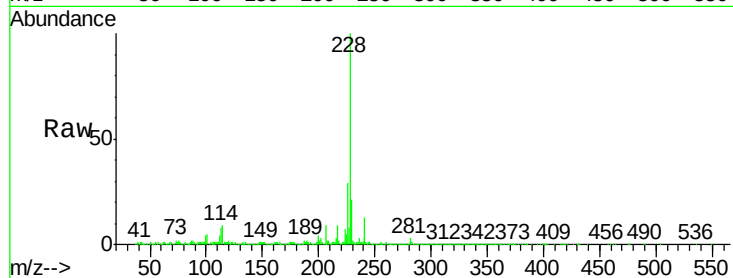
Tot Ion:228 Resp: 2445497

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.4	23.0
226	28.6	21.4	32.0

228 100

229 21.1 15.4 23.0

226 28.6 21.4 32.0



#82

Chrysene

Concen: 18.82 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

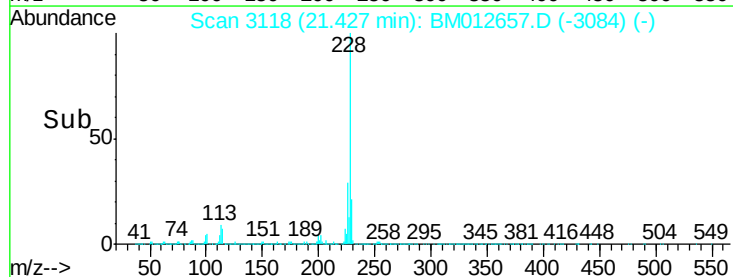
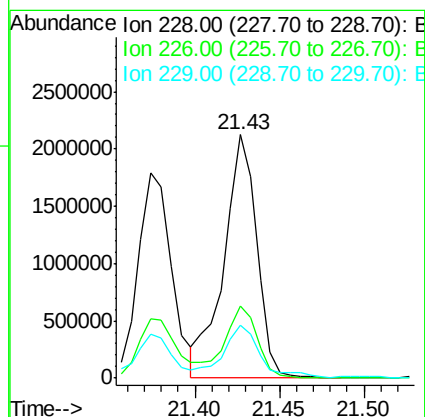
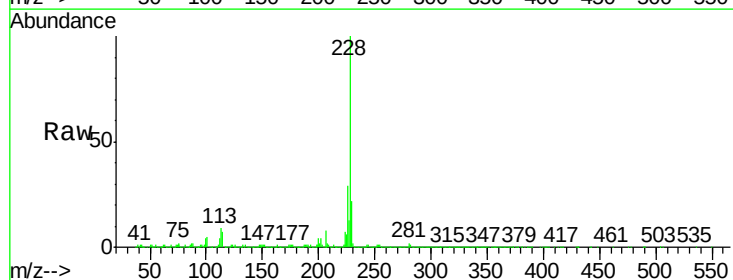
Tgt Ion:228 Resp: 2856881

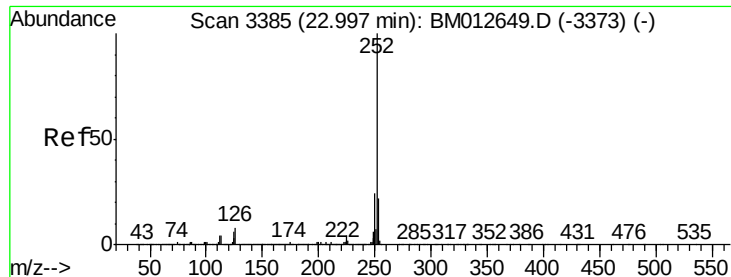
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	21.8	15.5	23.3

228 100

226 29.5 23.4 35.2

229 21.8 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 21.92 ng/ul

RT: 23.00 min Scan# 3385

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleId :

B0DT8

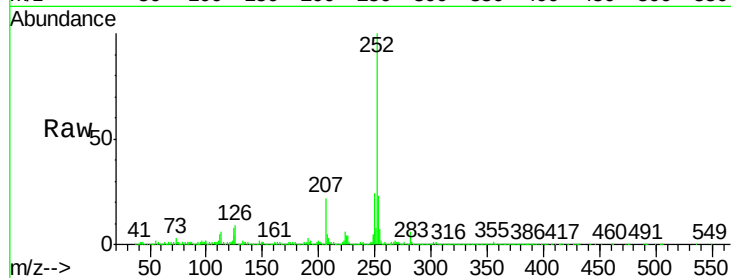
Tot Ion:252 Resp: 3134588

Ion Ratio Lower Upper

252 100

253 23.1 17.9 26.9

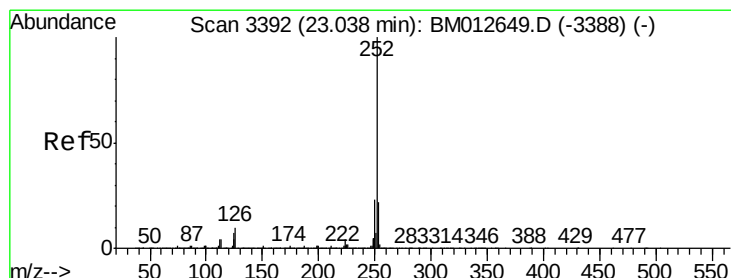
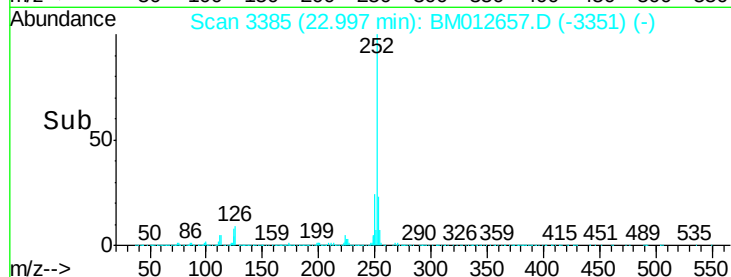
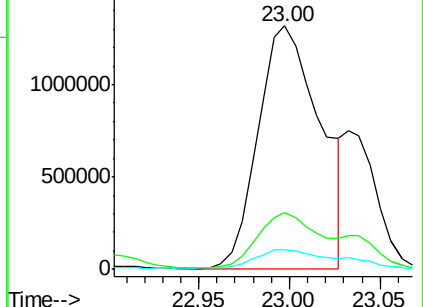
125 8.0 3.6 5.4#



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: 23.29 ng/ul

RT: 23.00 min Scan# 3385

Delta R.T. -0.04 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

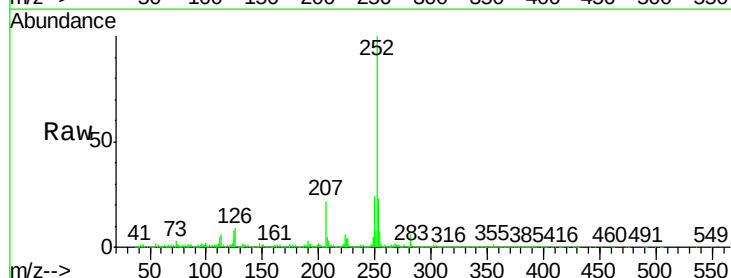
Tgt Ion:252 Resp: 3134588

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

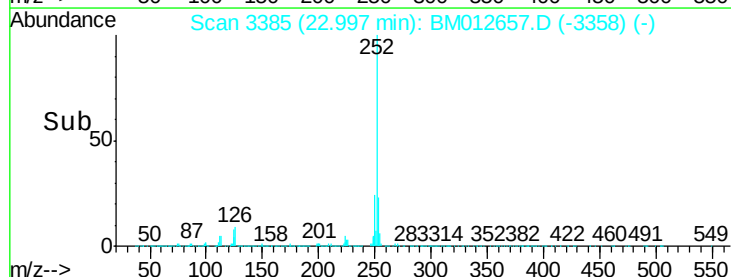
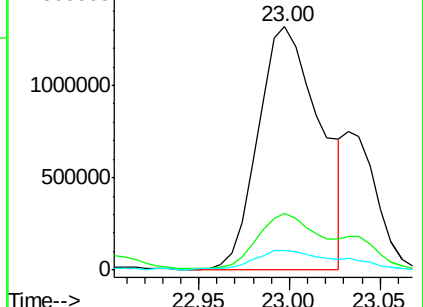
125 8.0 3.4 5.2#

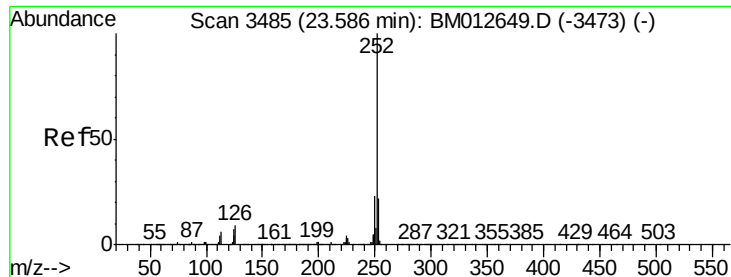


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 13.91 ng/ul

RT: 23.59 min Scan# 3485

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleID :

B0DT8

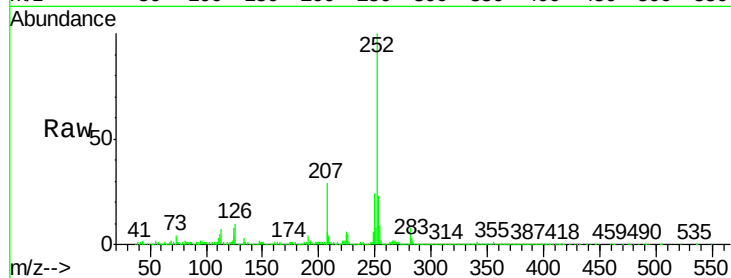
Tot Ion:252 Resp: 1896552

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

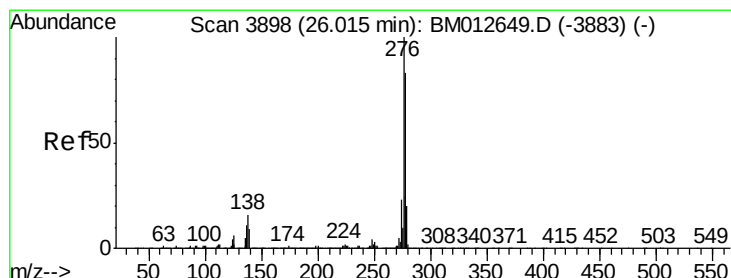
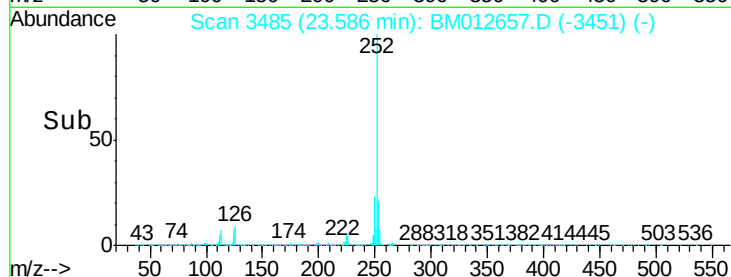
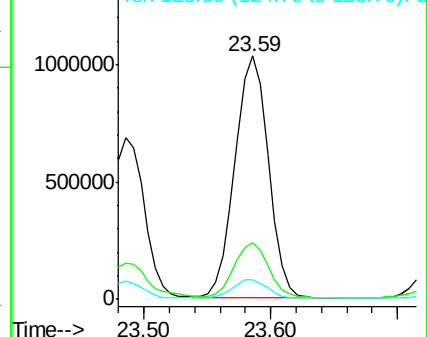
125 8.0 4.0 6.0#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 8.00 ng/ul

RT: 26.00 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

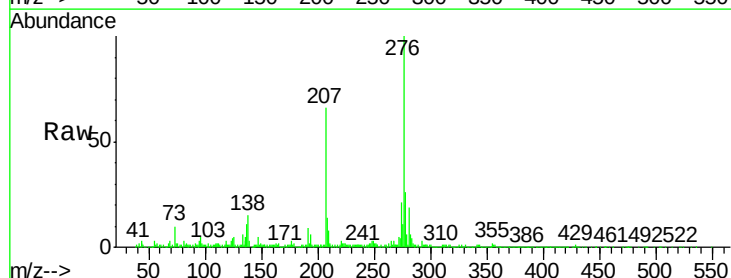
Tgt Ion:276 Resp: 1284152

Ion Ratio Lower Upper

276 100

138 14.9 9.3 13.9#

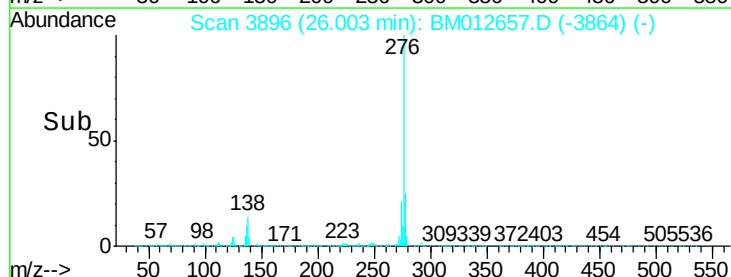
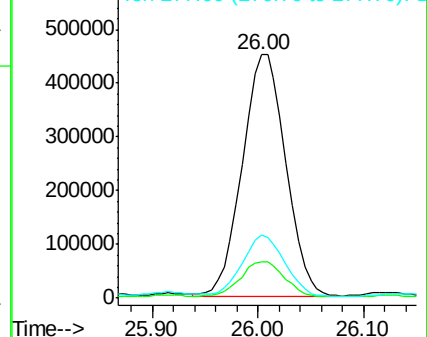
277 25.8 19.9 29.9

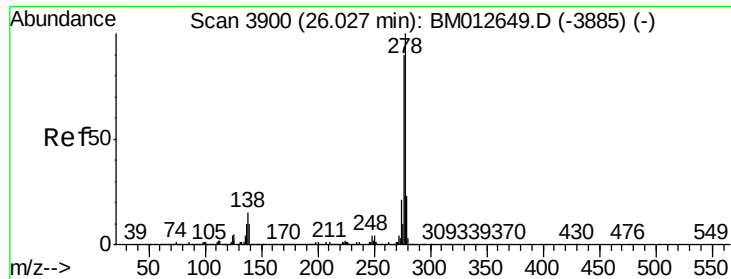


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.29 ng/ul

RT: 26.01 min Scan# 3897

Delta R.T. -0.02 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

Instrument :

BNA_M

ClientSampleId :

B0DT8

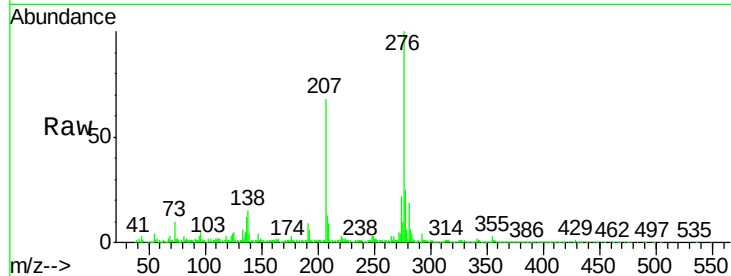
Tot Ion:278 Resp: 312097

Ion Ratio Lower Upper

278 100

139 17.5 5.8 8.8#

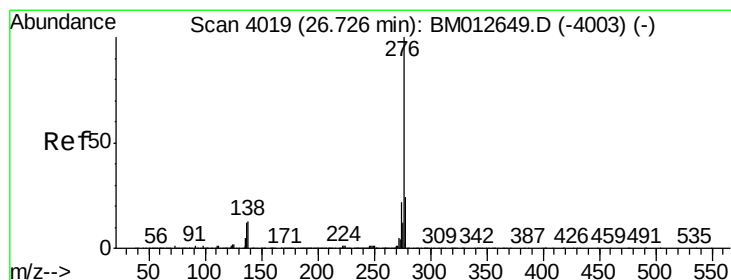
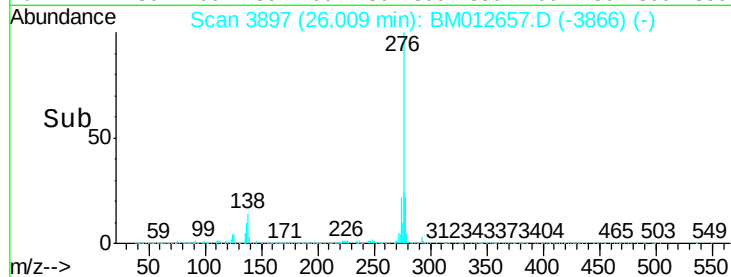
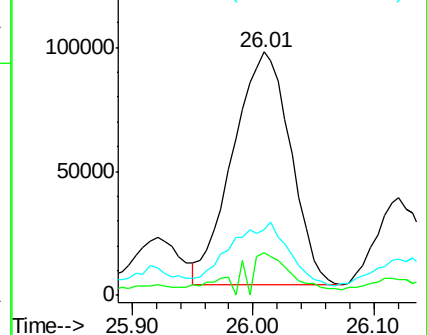
279 27.2 18.6 27.8



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.57 ng/ul

RT: 26.73 min Scan# 4019

Delta R.T. 0.00 min

Lab File: BM012657.D

Acq: 02 Nov 2017 03:21

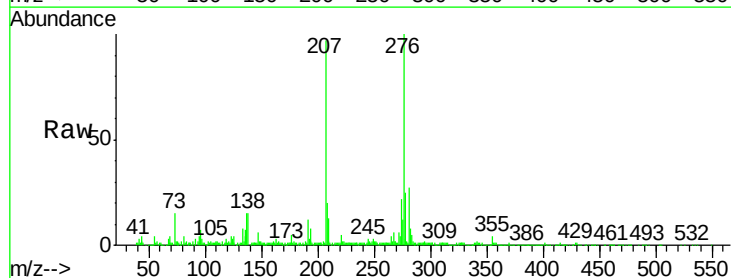
Tgt Ion:276 Resp: 984596

Ion Ratio Lower Upper

276 100

138 14.8 8.5 12.7#

277 25.3 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

