

Data File : BM010680.D
Acq On : 23 Jun 2017 03:20
Operator : SJ/JU
Sample : I3653-08 5X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C51

Quant Time: Jun 23 05:11:08 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 23 05:06:10 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	83097	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	379131	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	260225	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	606637	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	715851	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	578441	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	629	0.43	ng/uL	0.01
5) Phenol-d5	6.65	99	20223	2.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	12314	2.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	16648	3.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	17129	2.61	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	8814	3.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	10248	3.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	20261	3.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.37	131	20018	2.90	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	74675	3.27	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	85759	3.23	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	9087	2.26	ng/ul	0.00
57) Fluorene-d10	15.12	176	65347	3.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	7898	2.12	ng/ul	0.00
70) Anthracene-d10	16.97	188	105777	3.61	ng/ul	0.00
76) Pyrene-d10	19.27	212	123395	3.71	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	95136	3.40	ng/ul	0.00

Target Compounds

					Qvalue
17) Hexachloroethane	8.55	117	3326	1.35 ng/ul#	1
28) Naphthalene	10.29	128	6381534	338.23 ng/ul	100
30) 4-Chloroaniline	10.29	127	853890	122.82 ng/ul#	23
34) 2-Methylnaphthalene	11.90	142	1287057	84.86 ng/ul	96
40) 1,1'-Biphenyl	12.93	154	401011	19.71 ng/ul	99
44) Dimethylphthalate	13.58	163	22828	1.02 ng/ul#	96
47) Acenaphthylene	13.83	152	91639	3.62 ng/ul#	95
49) Acenaphthene	14.18	153	1398192	81.90 ng/ul	97
53) Dibenzofuran	14.52	168	1459259	56.44 ng/ul	94
58) Fluorene	15.17	166	1507612	69.65 ng/ul	99
60) 4-Nitroaniline	15.17	138	21430	4.64 ng/ul#	1
69) Phenanthrene	16.93	178	8017858	248.61 ng/ul	99
71) Anthracene	17.00	178	1366220	41.12 ng/ul	99
72) Carbazole	17.27	167	561122	19.36 ng/ul	98
74) Fluoranthene	18.95	202	5315174	127.88 ng/ul#	96
77) Pyrene	19.32	202	3659155	88.50 ng/ul#	98
80) Benzo(a)anthracene	21.07	228	1271899	30.51 ng/ul	97
82) Chrysene	21.12	228	1098711	29.56 ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	852389	22.70 ng/ul#	98
86) Benzo(k)fluoranthene	22.59	252	852389	23.95 ng/ul#	99
88) Benzo(a)pyrene	23.13	252	533770	15.44 ng/ul	96
89) Indeno(1,2,3-cd)pyrene	25.33	276	197198	5.50 ng/ul	99
90) Dibenzo(a,h)anthracene	25.33	278	56931	1.91 ng/ul#	89

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) Benzo(g,h,i)perylene	25.97	276	134765	4.72	ng/ul#	95

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

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Sample : I3653-08 5X

Misc :

ALS Vial : 31 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

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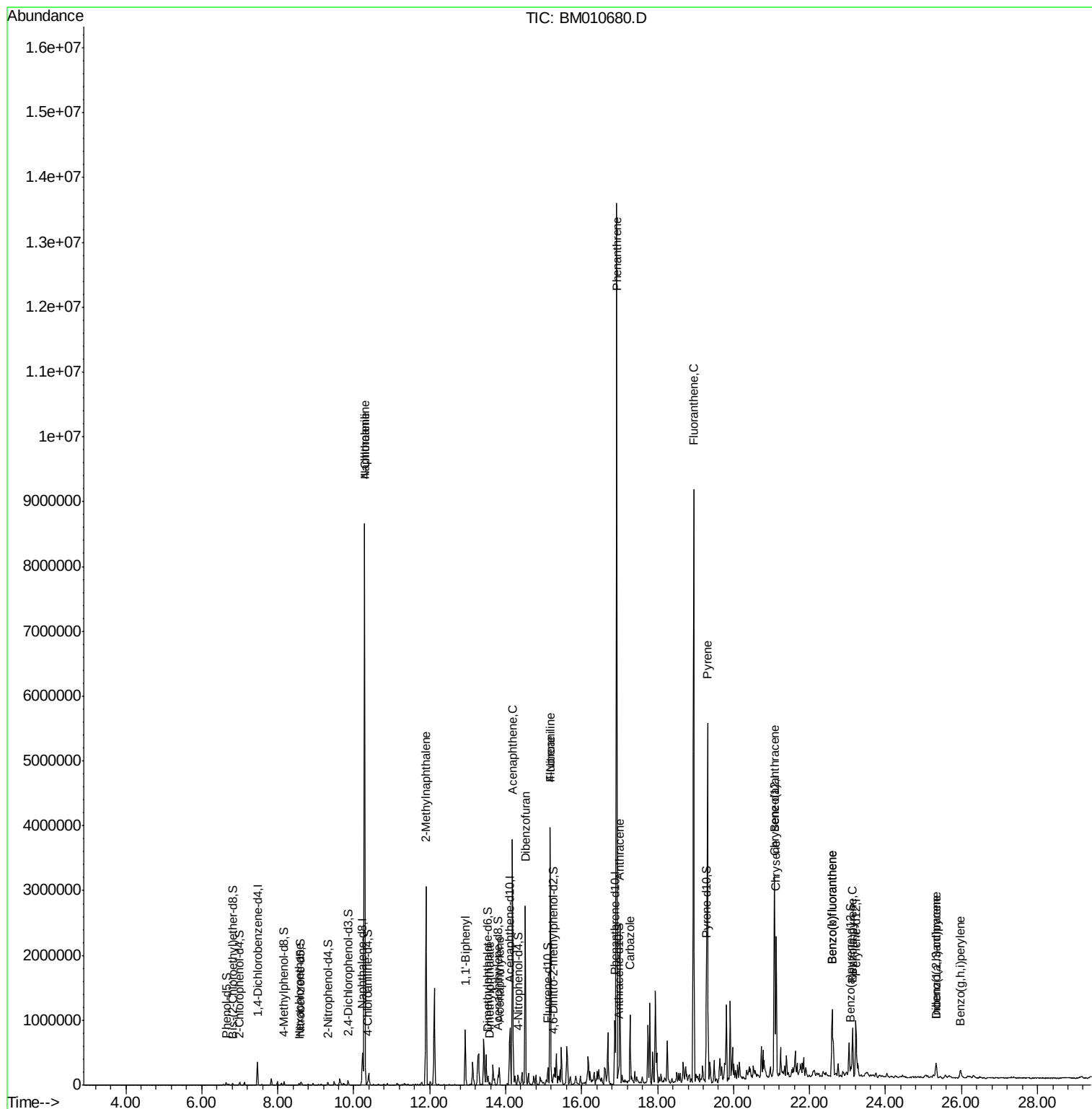
Quant Time: Jun 23 05:11:08 2017

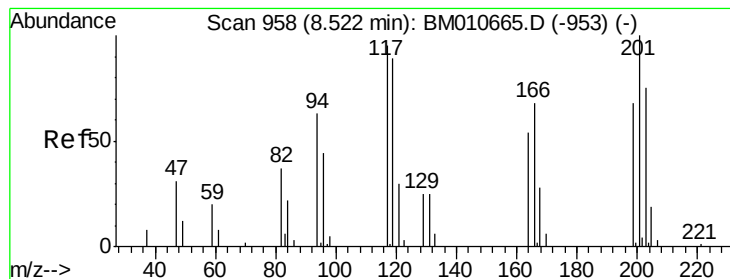
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Jun 23 05:06:10 2017

Response via : Initial Calibration





#17

Hexachloroethane

Concen: 1.35 ng/ul

RT: 8.55 min Scan# 963

Delta R.T. 0.03 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampled :

F5C51

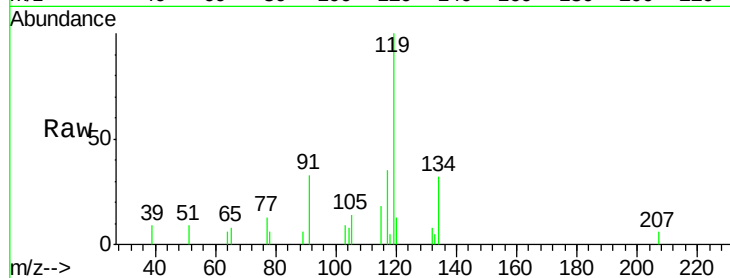
Tgt Ion:117 Resp: 3326

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

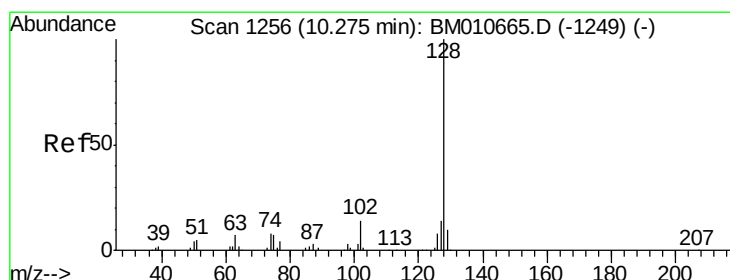
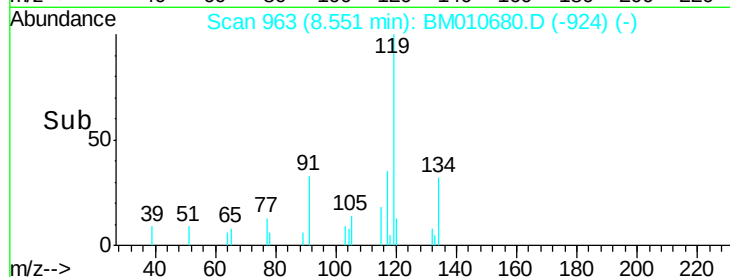
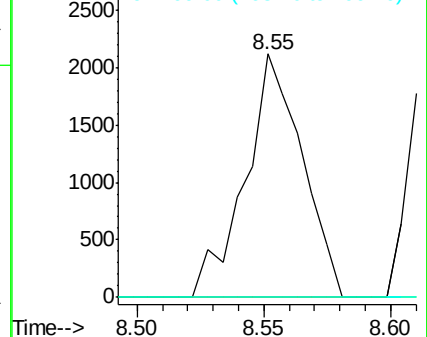
199 0.0 67.8 101.6#



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: 338.23 ng/ul

RT: 10.29 min Scan# 1258

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

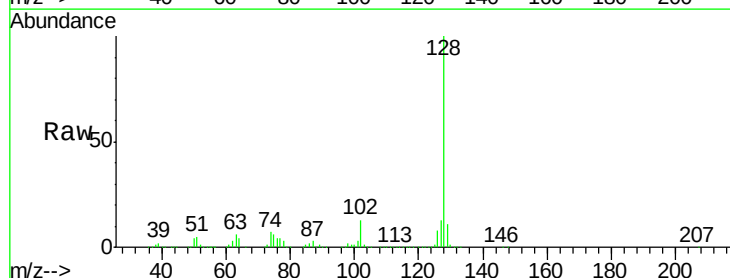
Tgt Ion:128 Resp: 6381534

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

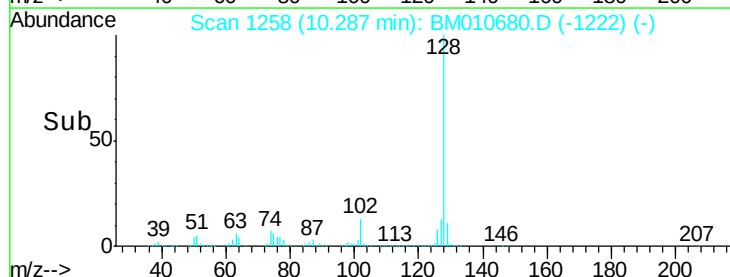
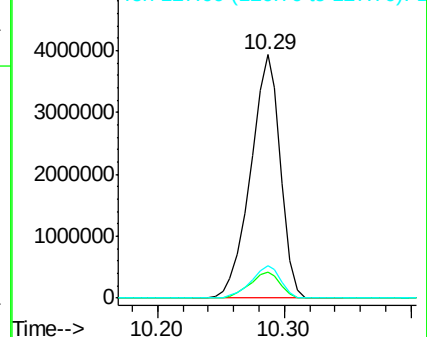
127 13.4 10.6 16.0

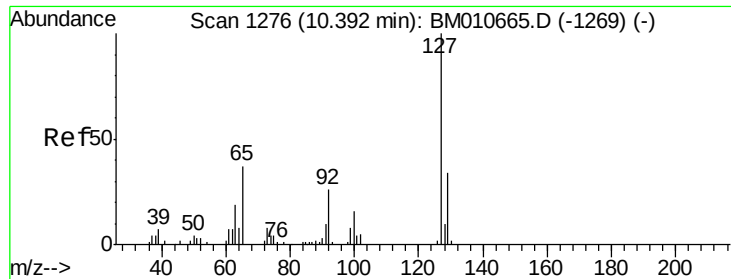


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

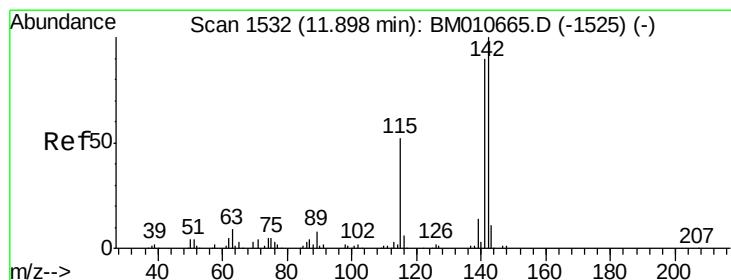
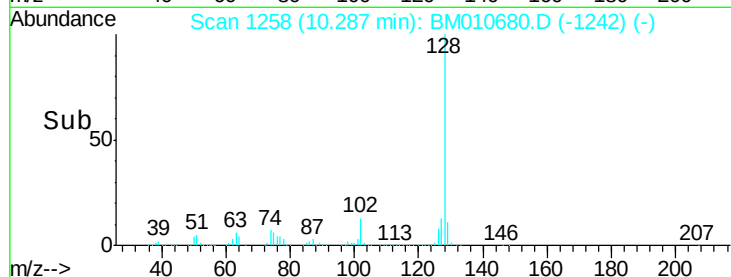
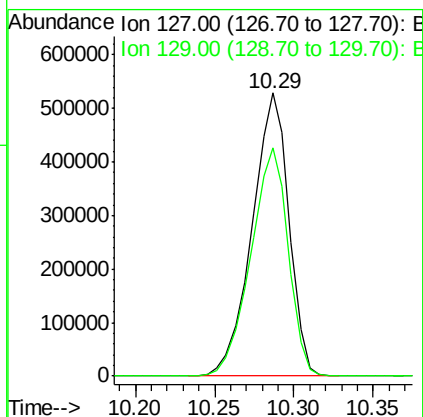
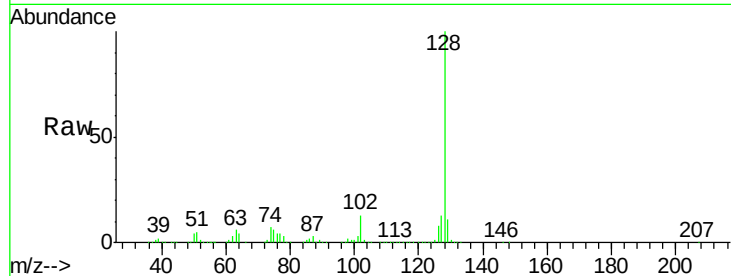




#30
 4-Chloroaniline
 Concen: 122.82 ng/ul
 RT: 10.29 min Scan# 1258
 Delta R.T. -0.11 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

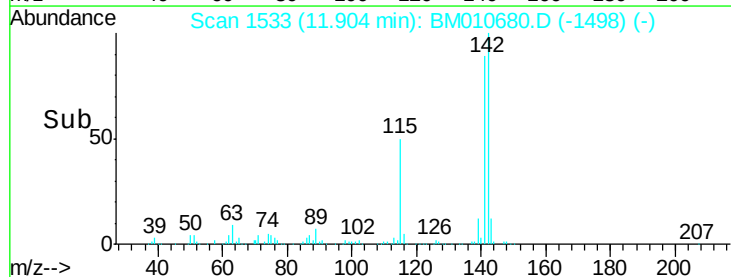
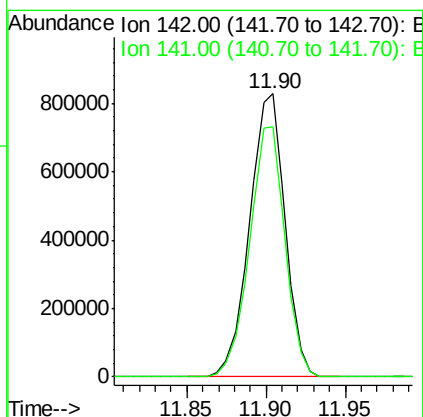
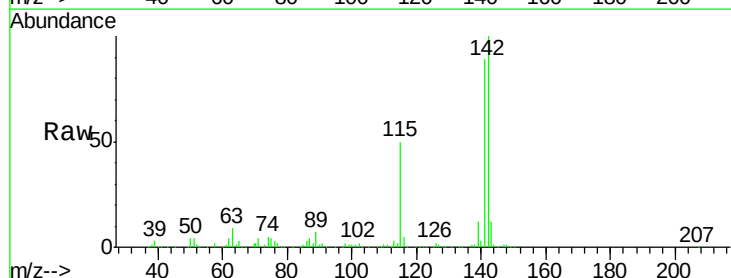
Instrument :
 BNA_M
 ClientSampleId :
 F5C51

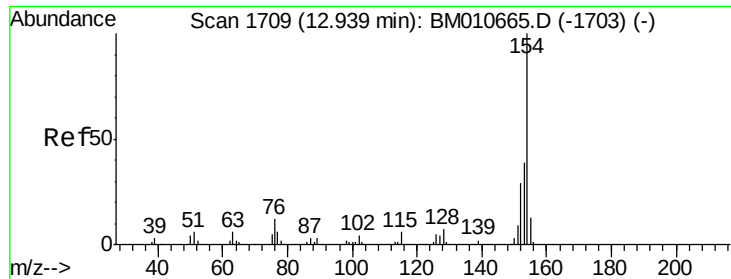
Tgt Ion:127 Resp: 853890
 Ion Ratio Lower Upper
 127 100
 129 80.5 28.4 42.6#



#34
 2-Methylnaphthalene
 Concen: 84.86 ng/ul
 RT: 11.90 min Scan# 1533
 Delta R.T. 0.01 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Tgt Ion:142 Resp: 1287057
 Ion Ratio Lower Upper
 142 100
 141 88.5 74.1 111.1

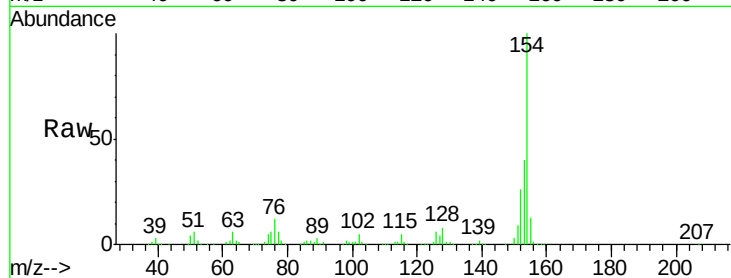




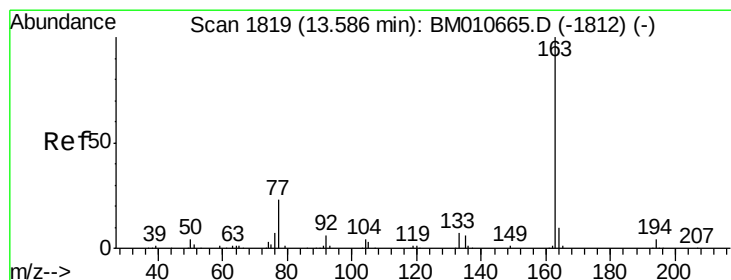
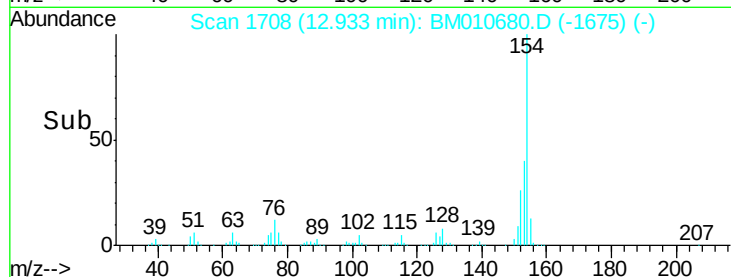
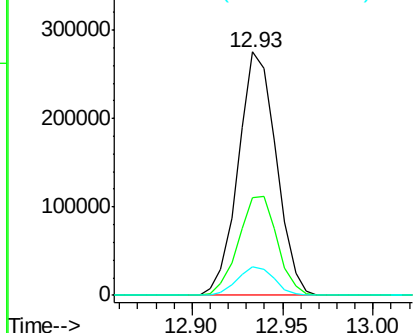
#40
 1,1'-Biphenyl
 Concen: 19.71 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. -0.01 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Instrument :
 BNA_M
 ClientSampleId :
 F5C51

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.2	32.6	48.8
76	11.9	8.5	12.7

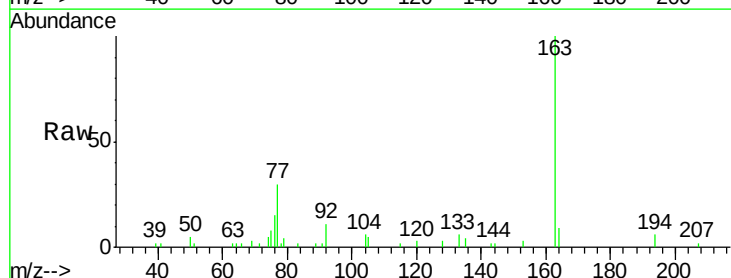


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM0

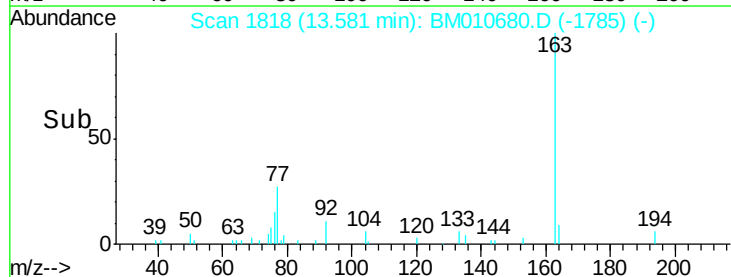
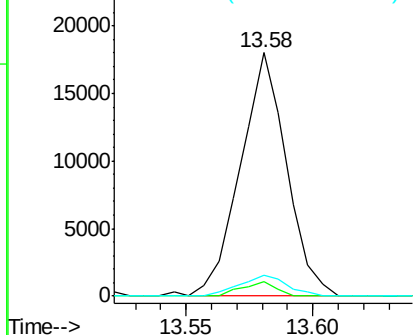


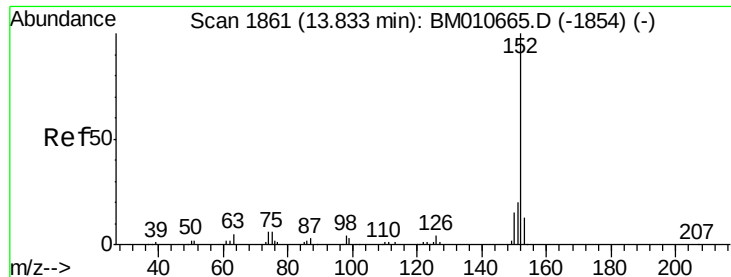
#44
 Dimethylphthalate
 Concen: 1.02 ng/ul
 RT: 13.58 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BM010680.D
 Acq: 23 Jun 2017 03:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.8	3.5	5.3#
164	8.7	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: 3.62 ng/ul

RT: 13.83 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampleId :

F5C51

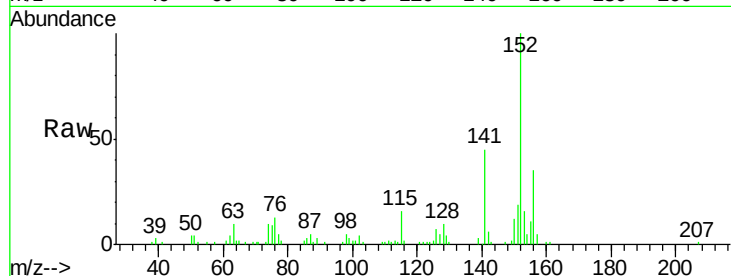
Tgt Ion:152 Resp: 91639

Ion Ratio Lower Upper

152 100

151 18.8 16.3 24.5

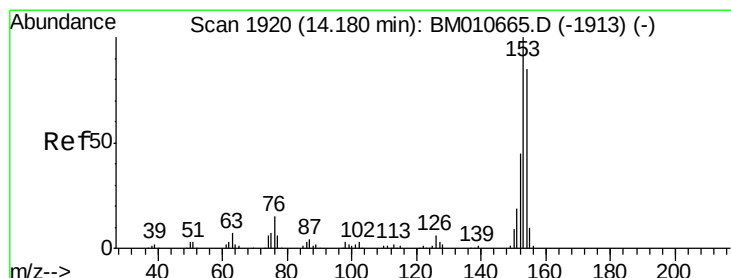
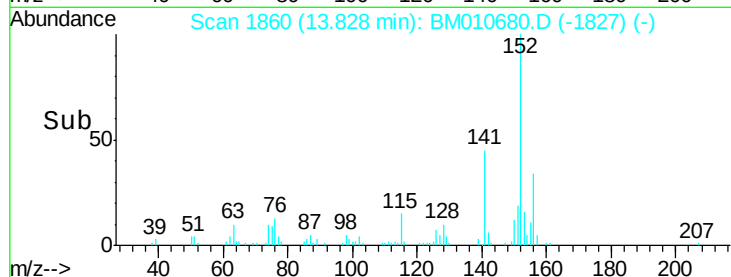
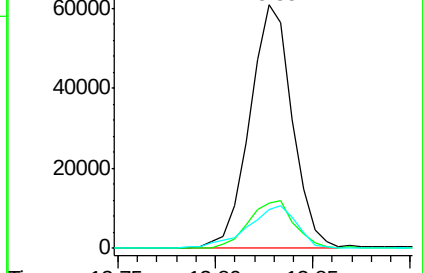
153 16.0 10.2 15.4#



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: 81.90 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

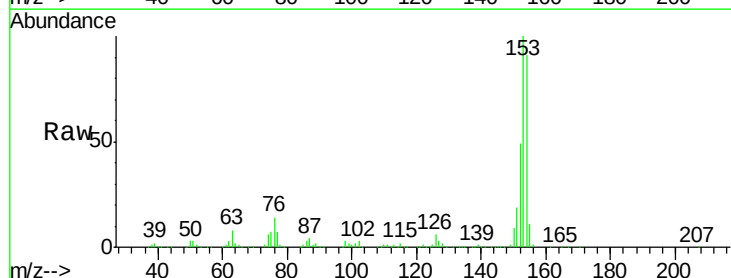
Tgt Ion:153 Resp: 1398192

Ion Ratio Lower Upper

153 100

152 49.4 37.6 56.4

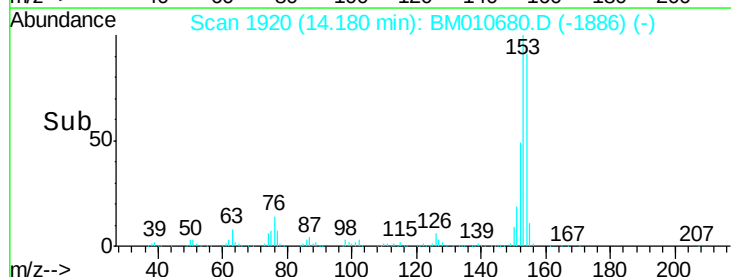
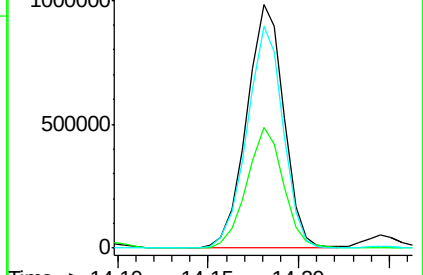
154 91.1 70.4 105.6

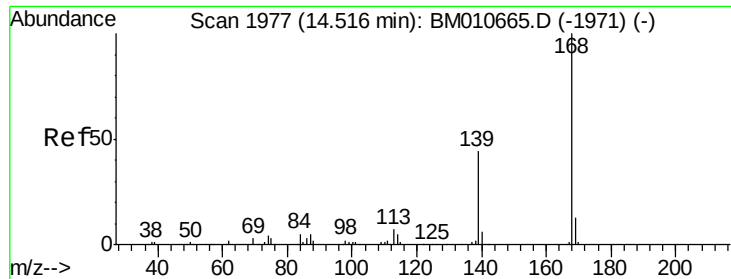


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzofuran

Concen: 56.44 ng/ul

RT: 14.52 min Scan# 1978

Delta R.T. 0.01 min

Lab File: BM010680.D

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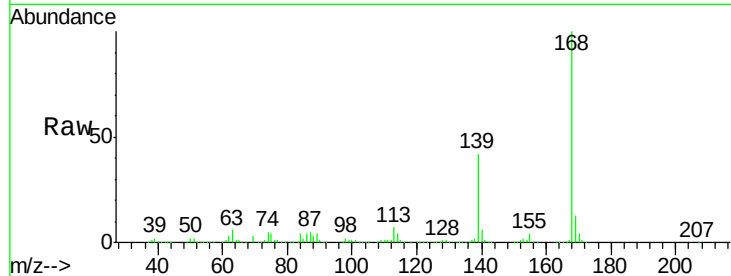
F5C51

Tgt Ion:168 Resp: 1459259

Ion Ratio Lower Upper

168 100

139 41.9 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

1200000

1000000

800000

600000

400000

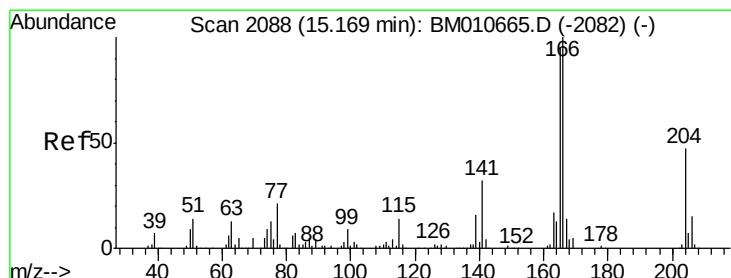
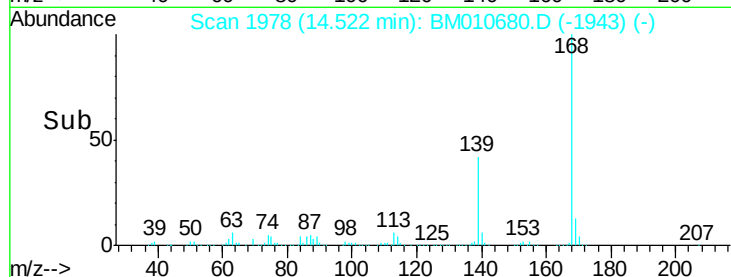
200000

0

14.52

14.45 14.50 14.55

Time-->



#58

Fluorene

Concen: 69.65 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

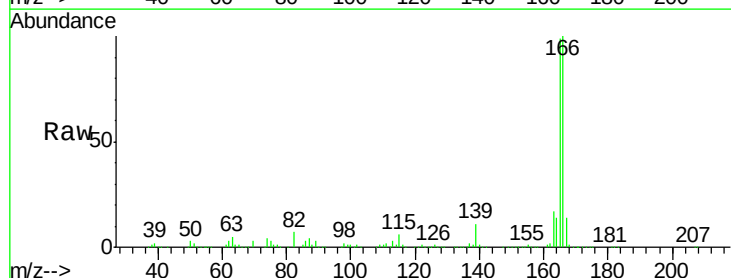
Tgt Ion:166 Resp: 1507612

Ion Ratio Lower Upper

166 100

165 98.8 77.9 116.9

167 13.9 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

1500000

1000000

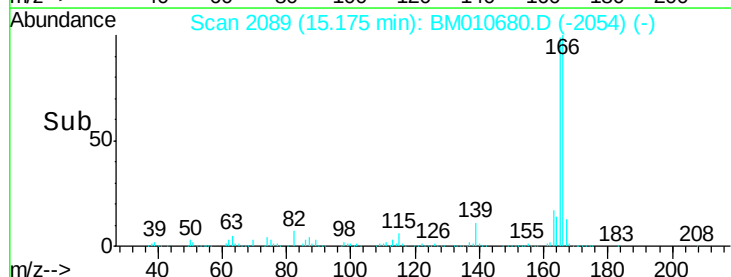
500000

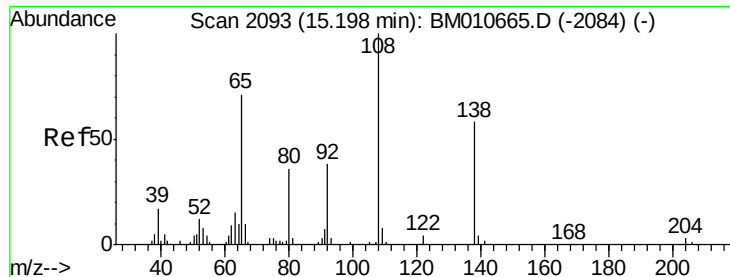
0

15.17

15.10 15.15 15.20

Time-->





#60

4-Nitroaniline

Concen: 4.64 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. -0.02 min

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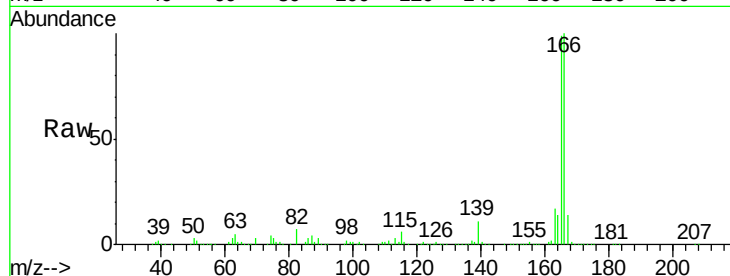
Tgt Ion:138 Resp: 21430

Ion Ratio Lower Upper

138 100

92 1.8 52.7 79.1#

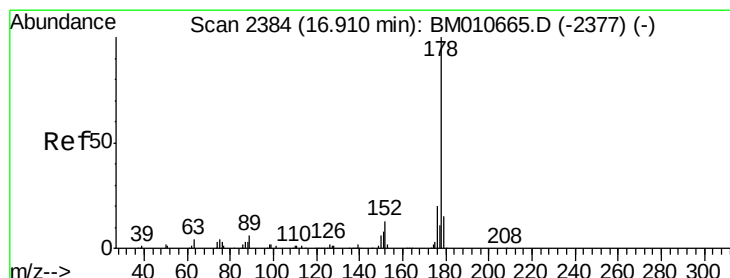
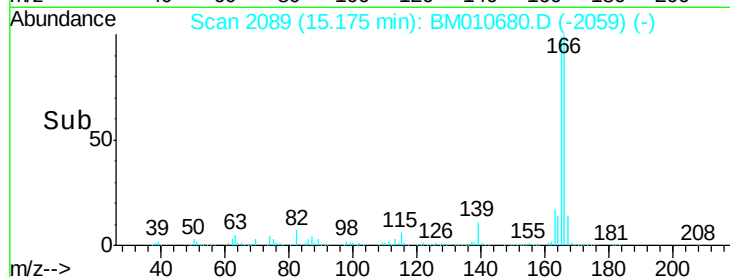
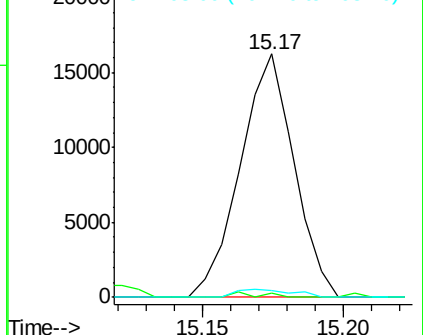
108 2.7 140.4 210.6#



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: 248.61 ng/ul

RT: 16.93 min Scan# 2387

Delta R.T. 0.02 min

Lab File: BM010680.D

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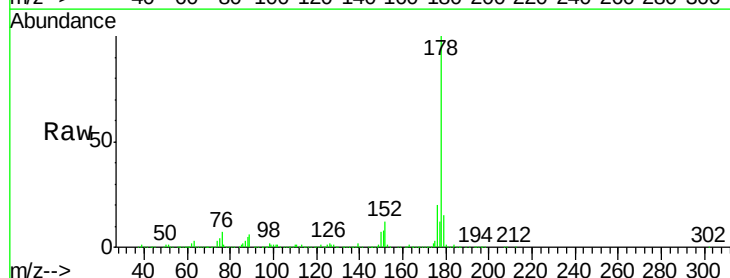
Tgt Ion:178 Resp: 8017858

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

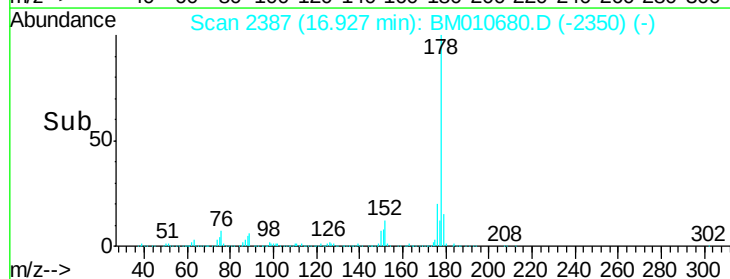
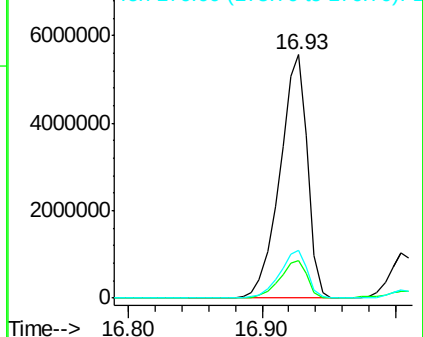
176 19.5 14.9 22.3

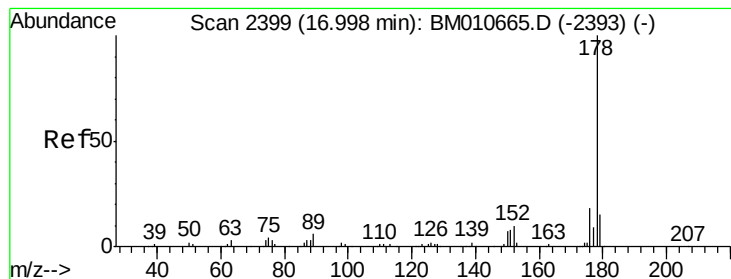


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 41.12 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

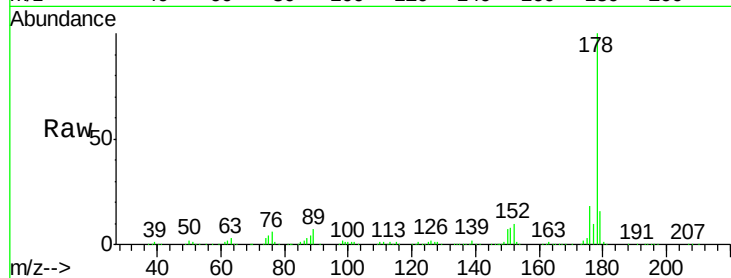
BNA_M

ClientSampleId :

F5C51

Tgt Ion:178 Resp: 1366220

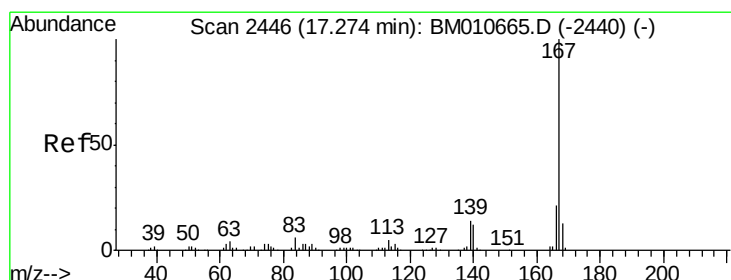
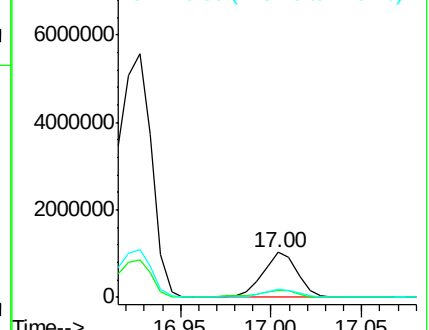
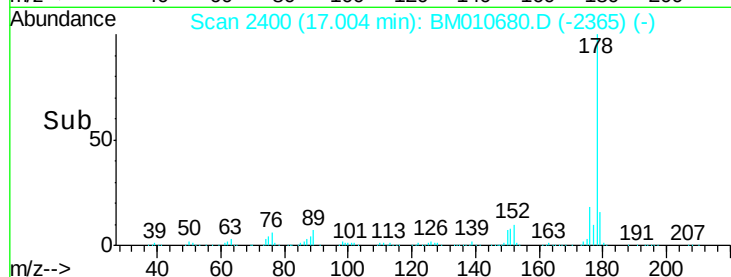
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	18.2	14.6	21.8



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: 19.36 ng/ul

RT: 17.27 min Scan# 2446

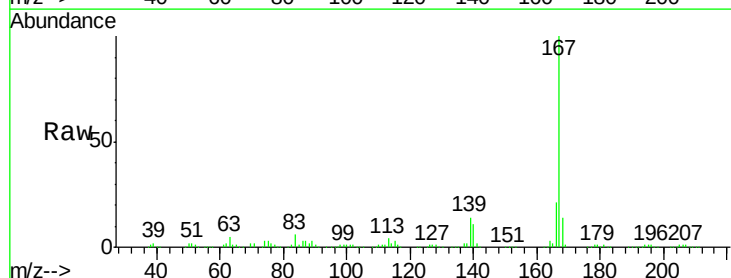
Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Tgt Ion:167 Resp: 561122

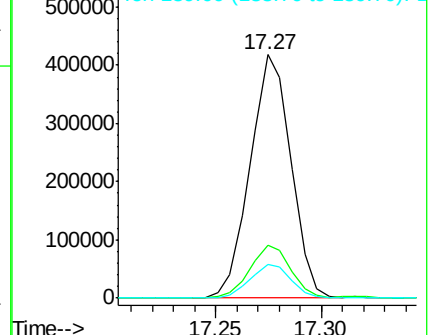
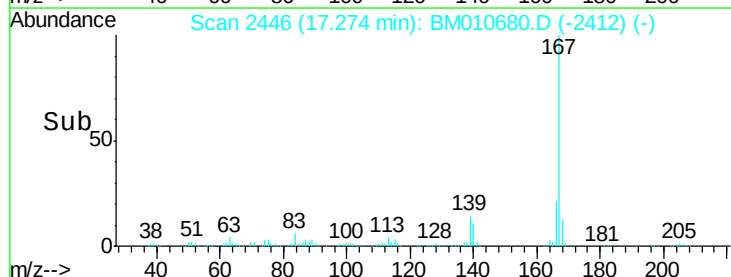
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.1	25.7
139	14.0	10.0	15.0

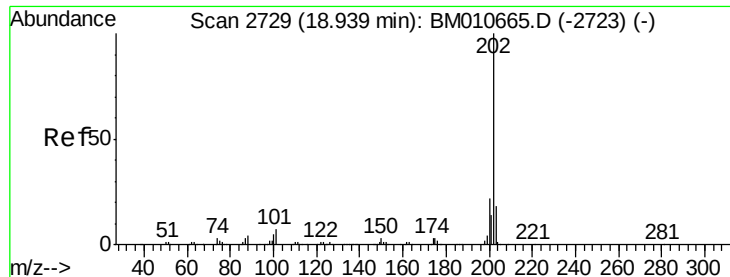


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 127.88 ng/ul

RT: 18.95 min Scan# 2731

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampleId :

F5C51

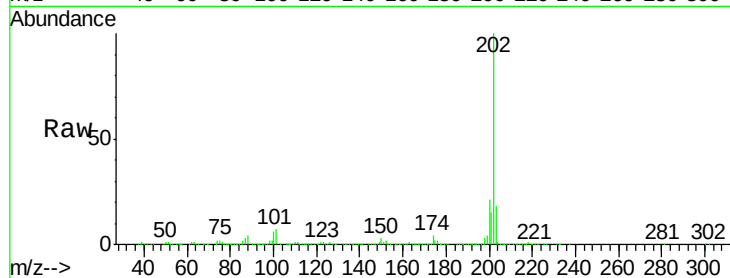
Tgt Ion:202 Resp: 5315174

Ion Ratio Lower Upper

202 100

101 7.4 4.6 7.0#

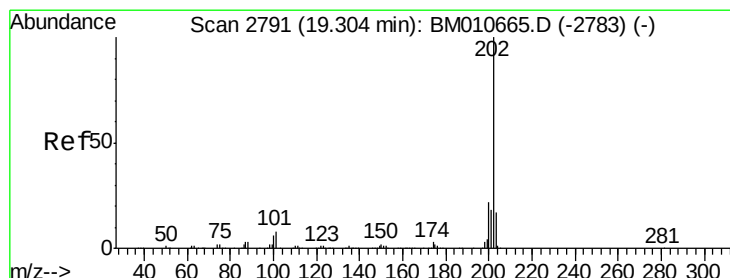
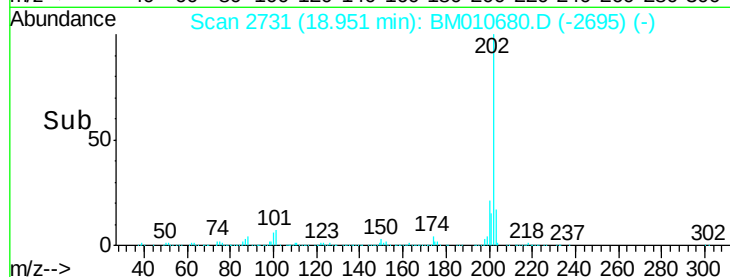
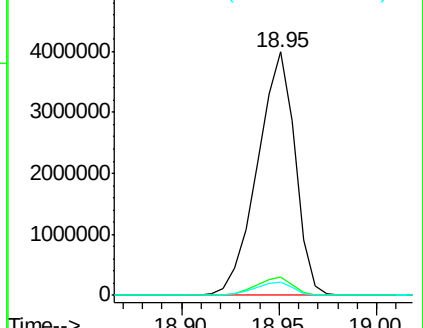
100 5.6 3.4 5.2#



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: 88.50 ng/ul

RT: 19.32 min Scan# 2793

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

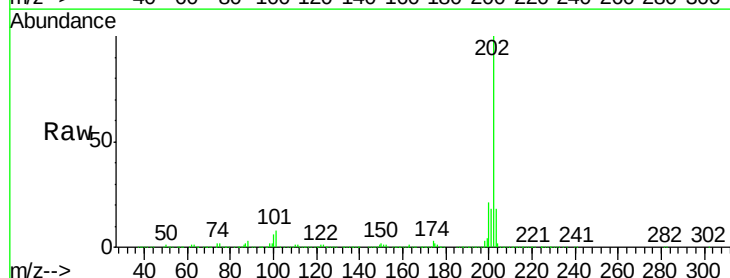
Tgt Ion:202 Resp: 3659155

Ion Ratio Lower Upper

202 100

101 7.7 5.1 7.7#

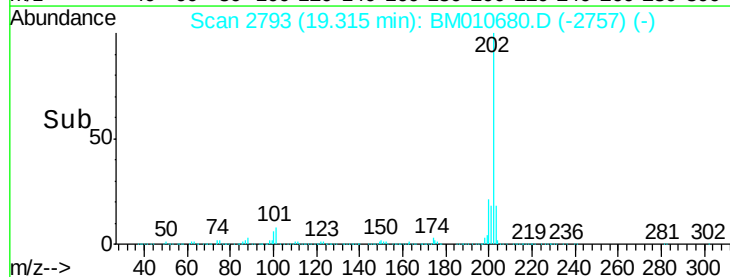
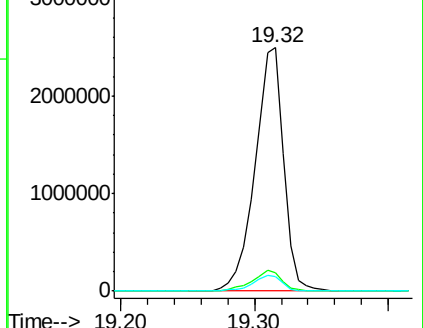
100 6.1 4.9 7.3

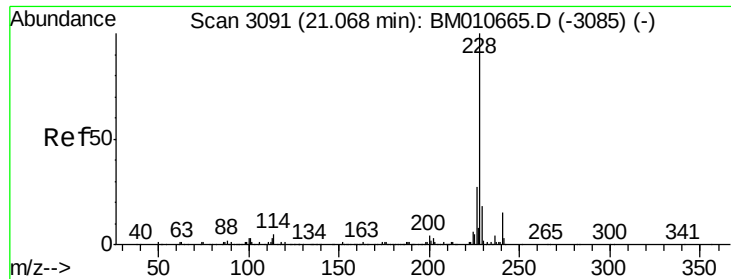


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

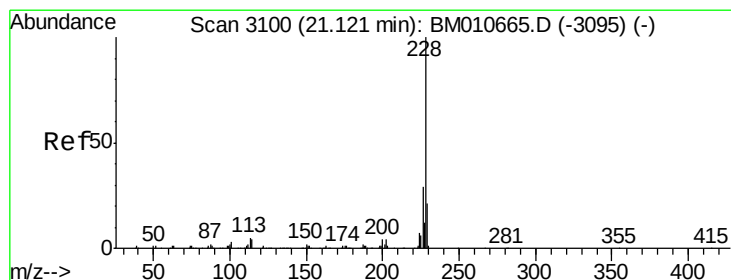
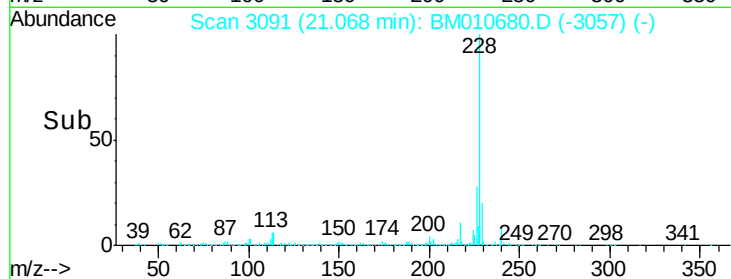
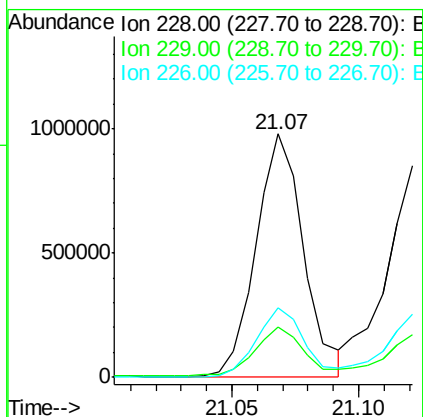
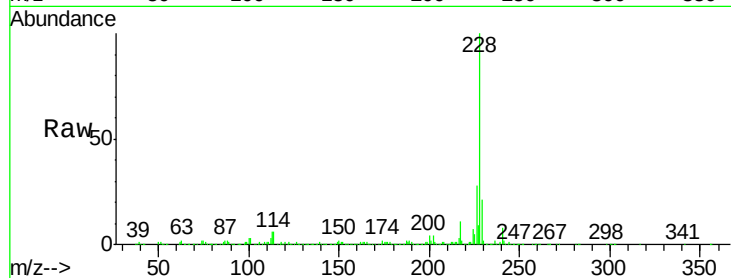




#80
Benzo(a)anthracene
Concen: 30.51 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

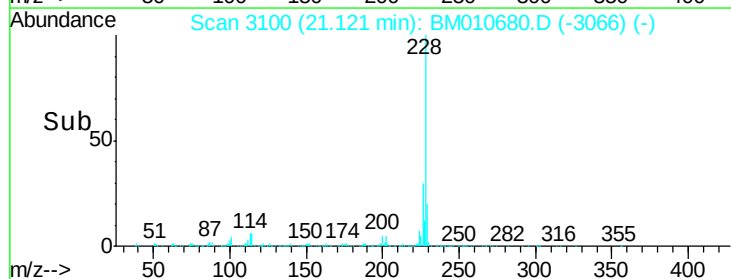
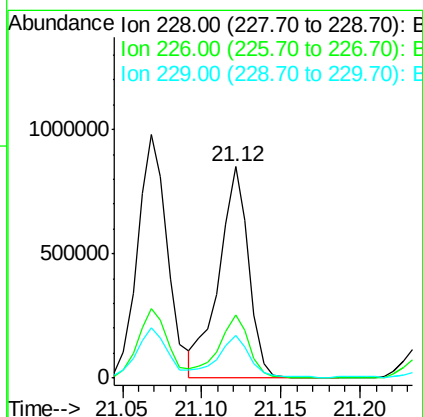
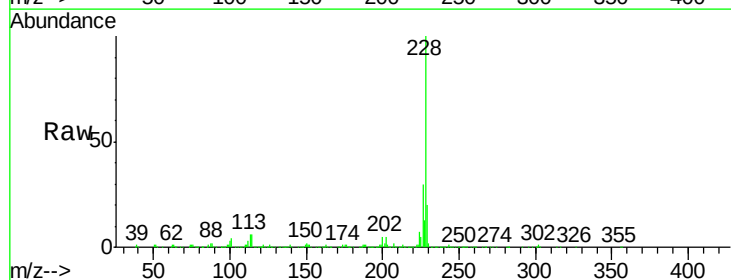
Instrument :
BNA_M
ClientSampleId :
F5C51

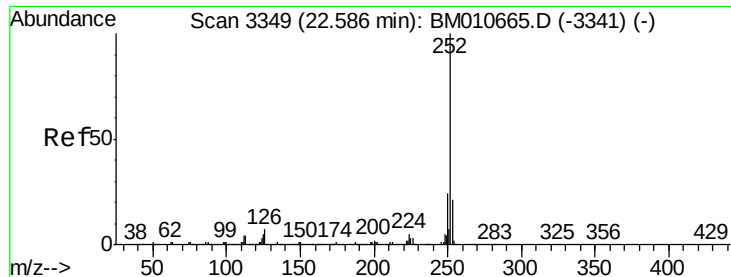
Tgt Ion:228 Resp: 1271899
Ion Ratio Lower Upper
228 100
229 20.8 15.4 23.0
226 28.4 21.4 32.0



#82
Chrysene
Concen: 29.56 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. 0.00 min
Lab File: BM010680.D
Acq: 23 Jun 2017 03:20

Tgt Ion:228 Resp: 1098711
Ion Ratio Lower Upper
228 100
226 30.2 23.4 35.2
229 20.2 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 22.70 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. 0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampleId :

F5C51

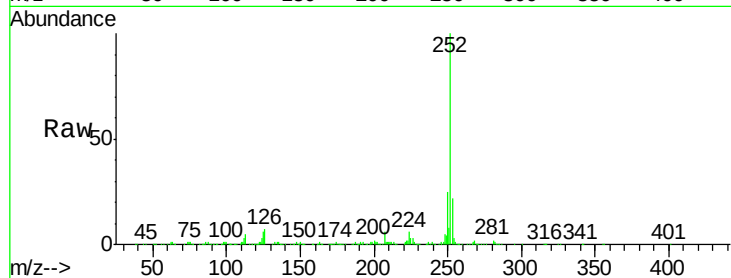
Tgt Ion:252 Resp: 852389

Ion Ratio Lower Upper

252 100

253 21.6 17.9 26.9

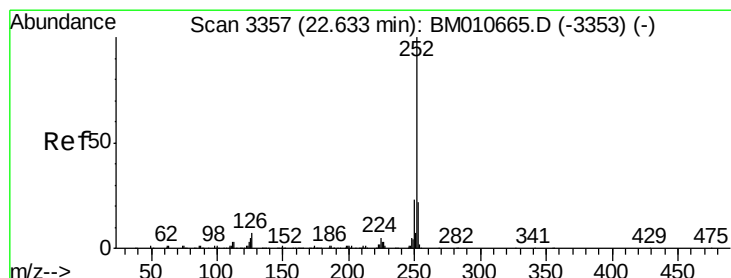
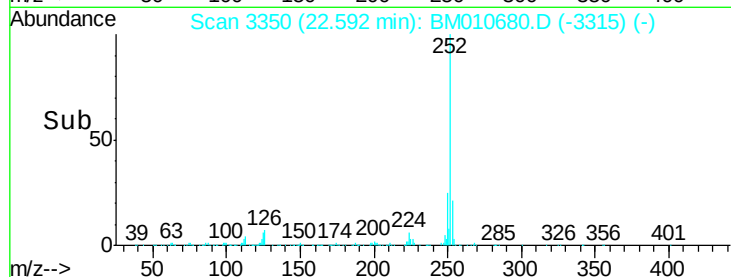
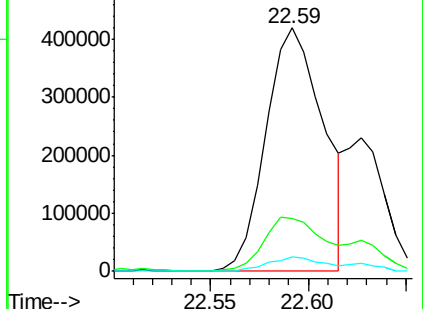
125 6.1 3.6 5.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#86

Benzo(k)fluoranthene

Concen: 23.95 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. -0.04 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

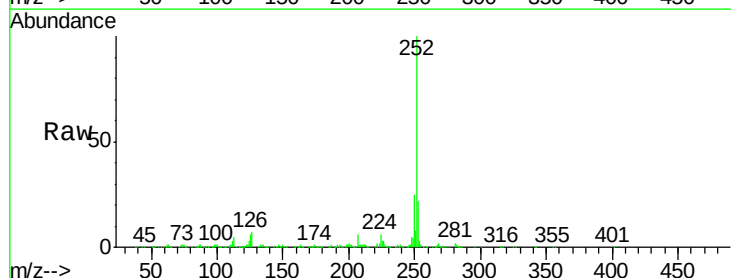
Tgt Ion:252 Resp: 852389

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

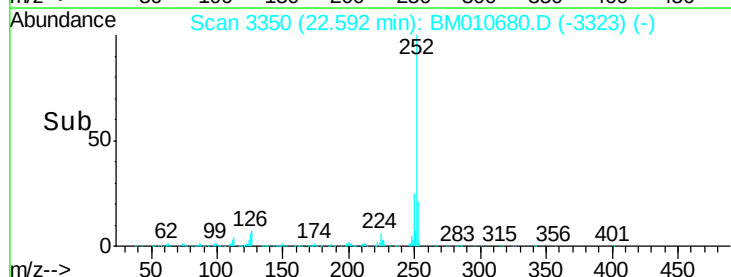
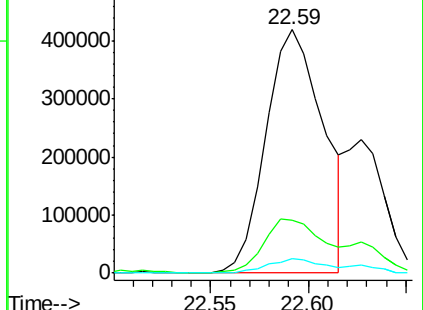
125 6.1 3.4 5.2#

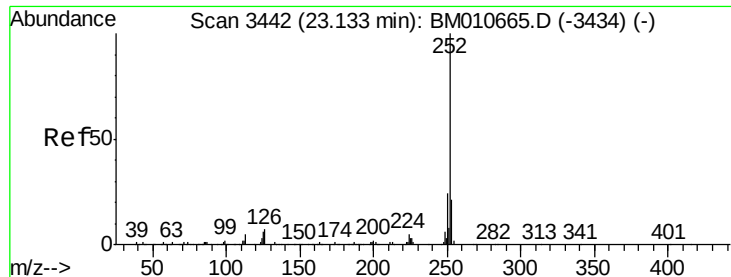


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 15.44 ng/ul

RT: 23.13 min Scan# 3442

Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampleId :

F5C51

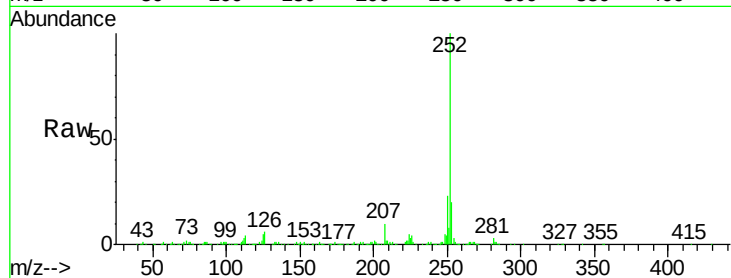
Tgt Ion:252 Resp: 533770

Ion Ratio Lower Upper

252 100

253 20.3 18.2 27.2

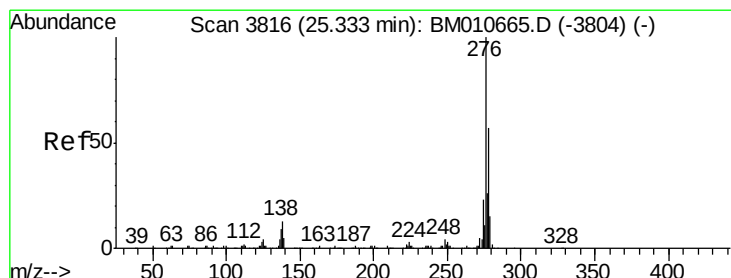
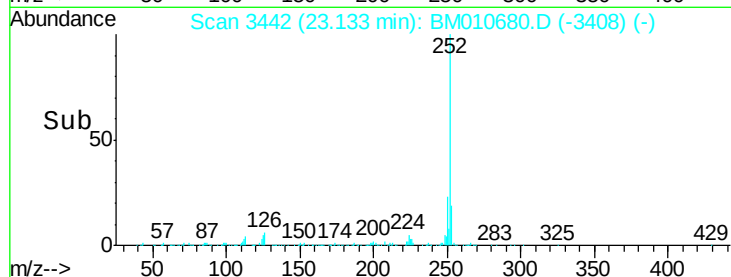
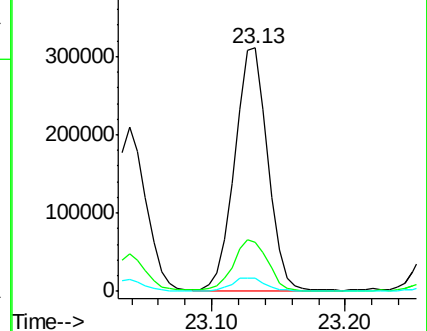
125 5.4 4.0 6.0



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: 5.50 ng/ul

RT: 25.33 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

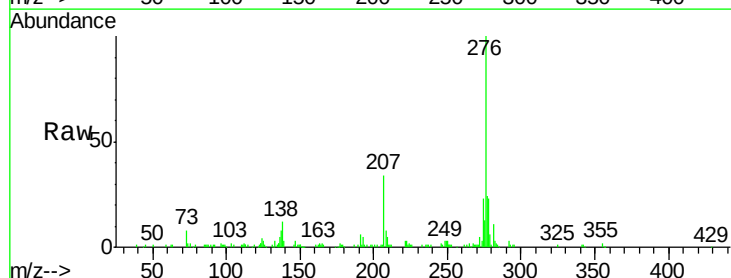
Tgt Ion:276 Resp: 197198

Ion Ratio Lower Upper

276 100

138 12.1 9.3 13.9

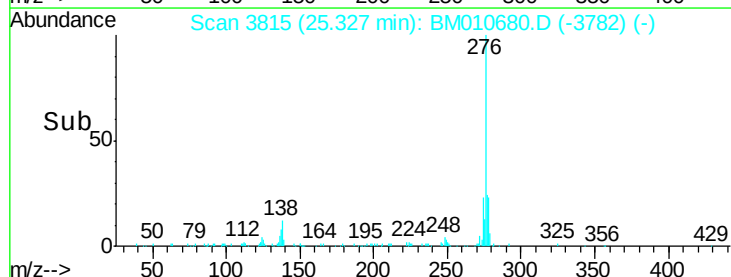
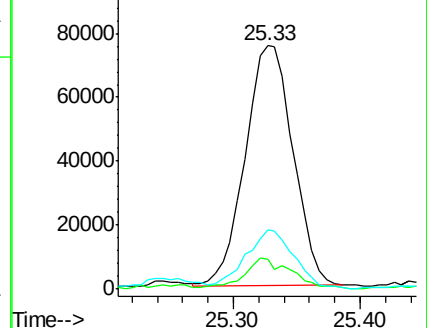
277 24.2 19.9 29.9

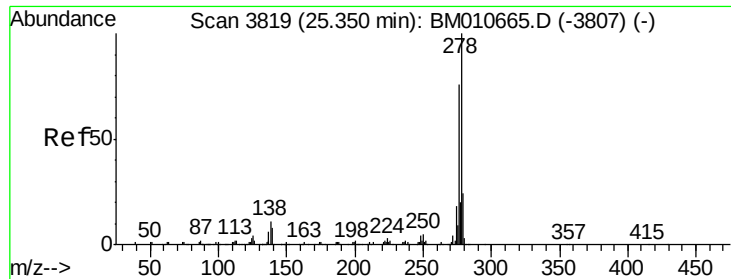


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.91 ng/ul

RT: 25.33 min Scan# 3816

Delta R.T. -0.02 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Instrument :

BNA_M

ClientSampled :

F5C51

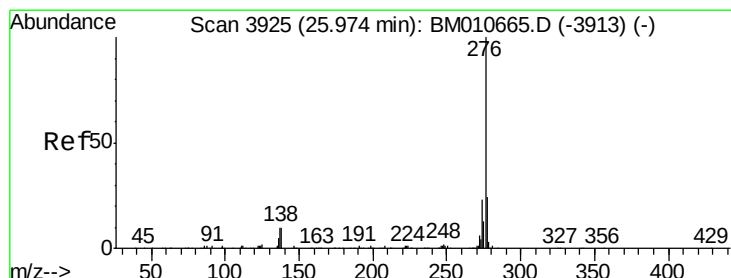
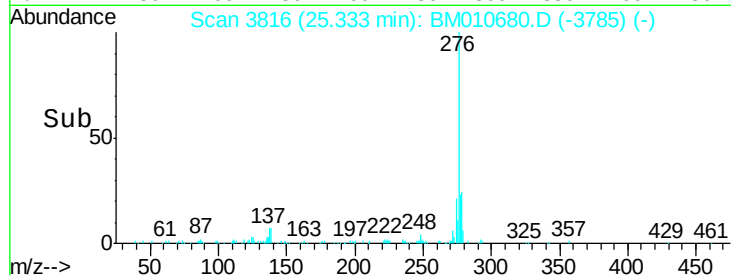
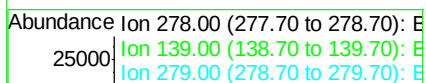
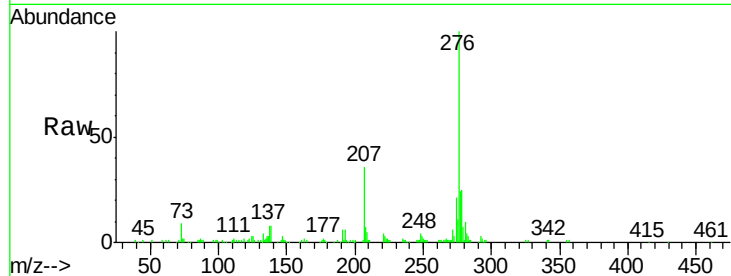
Tgt Ion:278 Resp: 56931

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

279 27.0 18.6 27.8



#91

Benzo(g,h,i)perylene

Concen: 4.72 ng/ul

RT: 25.97 min Scan# 3925

Delta R.T. 0.00 min

Lab File: BM010680.D

Acq: 23 Jun 2017 03:20

Tgt Ion:276 Resp: 134765

Ion Ratio Lower Upper

276 100

138 13.2 8.5 12.7#

277 25.5 18.6 28.0

