

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
 Data File : BM010692.D
 Acq On : 23 Jun 2017 16:25
 Operator : SJ/JU
 Sample : I3599-09ME 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F5D77ME

Quant Time: Jun 24 03:38:17 2017
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 24 03:35:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	72556	20.00	ng/ul	0.00
18) Naphthalene-d8	10.23	136	318306	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	221000	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	541013	20.00	ng/ul	0.00
75) Chrysene-d12	21.09	240	609646	20.00	ng/ul	0.00
83) Perylene-d12	23.22	264	449131	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	1600	1.26	ng/uL	0.01
5) Phenol-d5	6.65	99	27328	3.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	15376	3.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	20423	4.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	23004	4.01	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	11477	5.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	12827	4.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	26089	4.74	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	38080	6.56	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	89117	4.59	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	101051	4.48	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	12437	3.64	ng/ul	0.00
57) Fluorene-d10	15.12	176	77193	4.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	11935	3.59	ng/ul	0.00
70) Anthracene-d10	16.97	188	125395	4.80	ng/ul	0.00
76) Pyrene-d10	19.27	212	148010	5.23	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	102992	4.74	ng/ul	0.00

Target Compounds

					Qvalue	
17) Hexachloroethane	8.56	117	3814	1.770	ng/ul#	1
28) Naphthalene	10.29	128	7005638	442.266	ng/ul	99
30) 4-Chloroaniline	10.29	127	948756	162.544	ng/ul#	24
34) 2-Methylnaphthalene	11.90	142	1394017	109.478	ng/ul	95
40) 1,1'-Biphenyl	12.93	154	334456	19.357	ng/ul	99
47) Acenaphthylene	13.83	152	73591	3.424	ng/ul#	93
49) Acenaphthene	14.18	153	987004	68.075	ng/ul	99
53) Dibenzofuran	14.52	168	1156129	52.654	ng/ul	91
58) Fluorene	15.17	166	1134457	61.710	ng/ul	99
60) 4-Nitroaniline	15.17	138	15563	3.966	ng/ul#	1
69) Phenanthrene	16.92	178	5209838	181.135	ng/ul	98
71) Anthracene	17.00	178	721014	24.332	ng/ul	99
72) Carbazole	17.27	167	313166	12.114	ng/ul	98
74) Fluoranthene	18.94	202	3152403	85.045	ng/ul#	97
77) Pyrene	19.31	202	2068979	58.756	ng/ul	98
80) Benzo(a)anthracene	21.07	228	627416	17.673	ng/ul	98
82) Chrysene	21.12	228	449546	14.202	ng/ul	99
85) Benzo(b)fluoranthene	22.59	252	284888	9.772	ng/ul	100
86) Benzo(k)fluoranthene	22.59	252	284888	10.307	ng/ul#	98
88) Benzo(a)pyrene	23.13	252	158396	5.901	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.33	276	46491	1.670	ng/ul	97
91) Benzo(g,h,i)perylene	25.96	276	29809	1.345	ng/ul#	91

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QLast Update : Sat Jun 24 03:35:21 2017
Response via : Initial Calibration

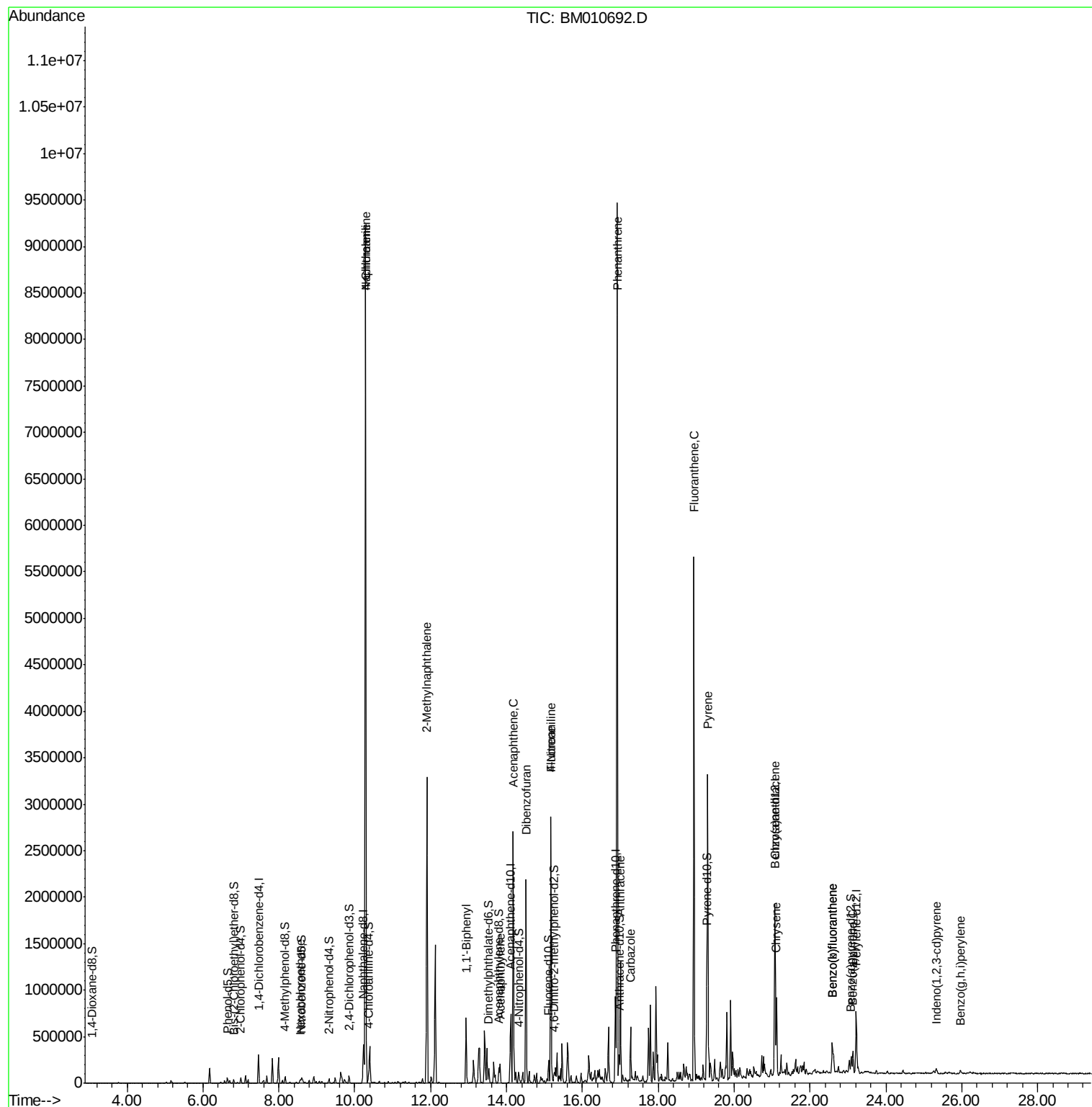
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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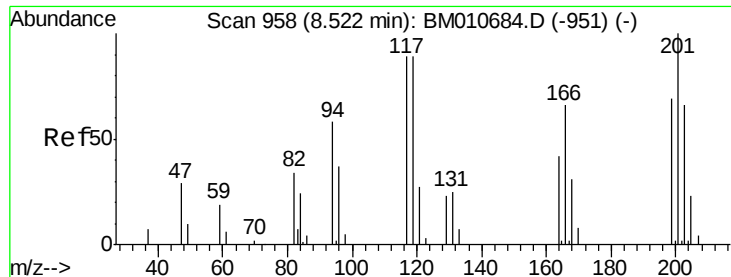
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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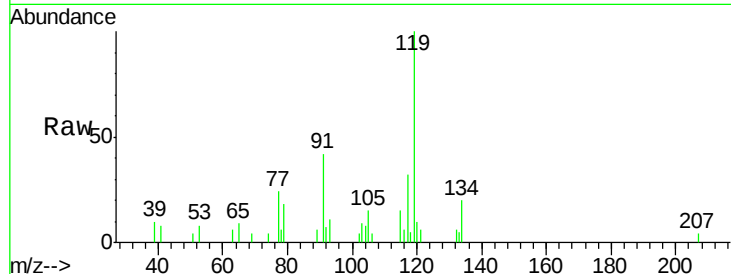




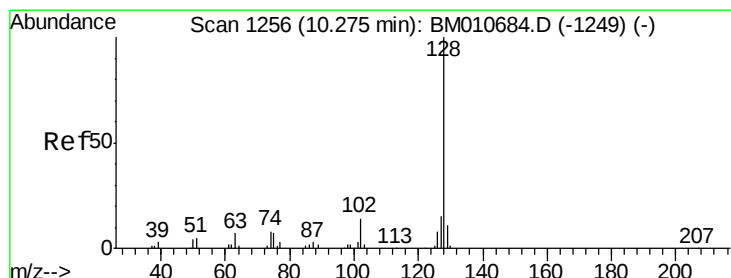
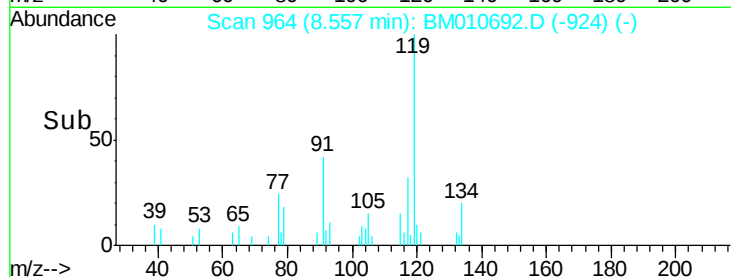
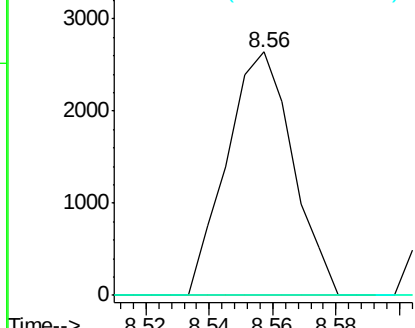
#17
Hexachloroethane
Concen: 1.770 ng/ul
RT: 8.56 min Scan# 964
Delta R.T. 0.04 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Instrument :
BNA_M
ClientSampleId :
F5D77ME

Tgt Ion:117 Resp: 3814
Ion Ratio Lower Upper
117 100
201 0.0 111.6 167.4#
199 0.0 67.8 101.6#

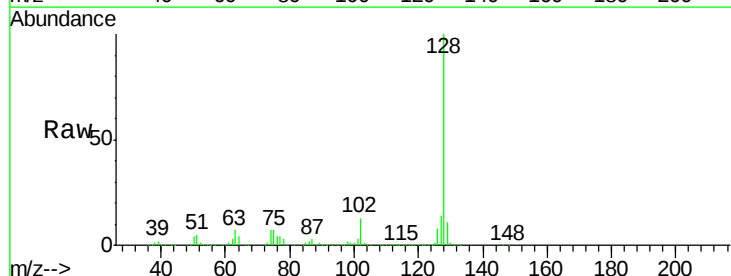


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

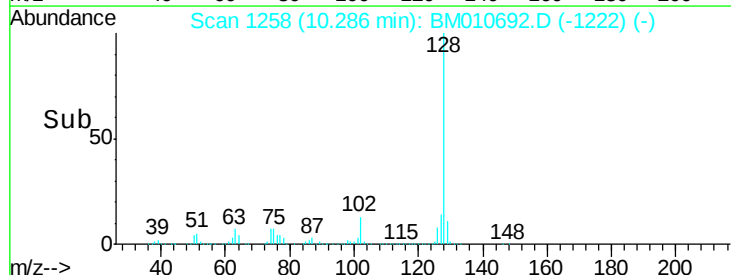
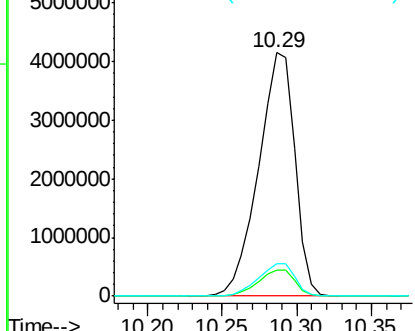


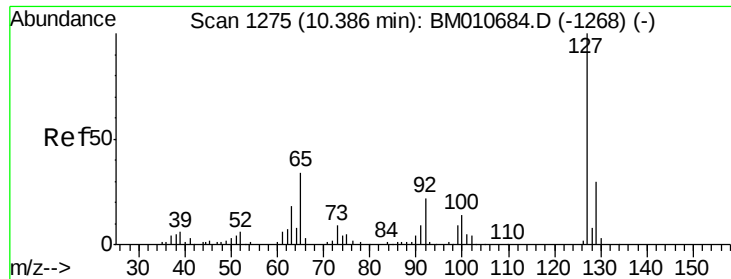
#28
Naphthalene
Concen: 442.266 ng/ul
RT: 10.29 min Scan# 1258
Delta R.T. 0.01 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Tgt Ion:128 Resp: 7005638
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.5 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

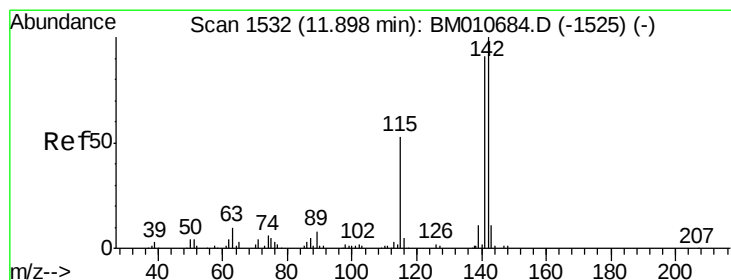
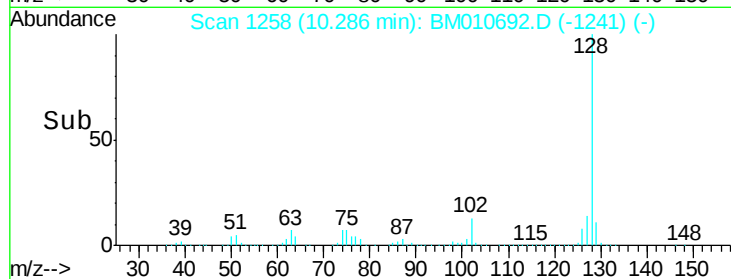
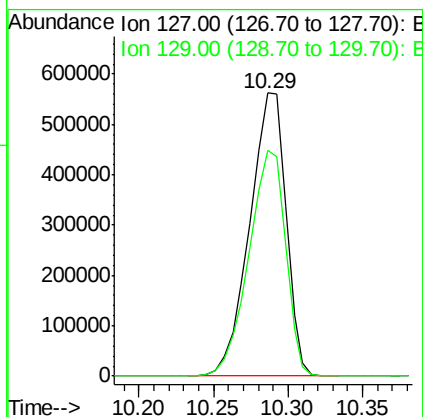
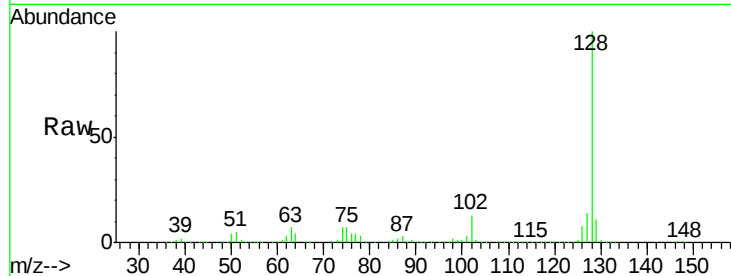




#30
4-Chloroaniline
Concen: 162.544 ng/ul
RT: 10.29 min Scan# 1258
Delta R.T. -0.10 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

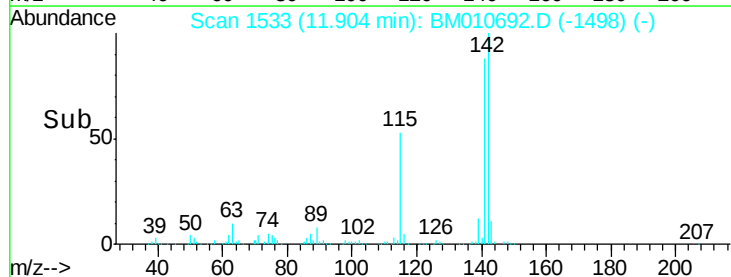
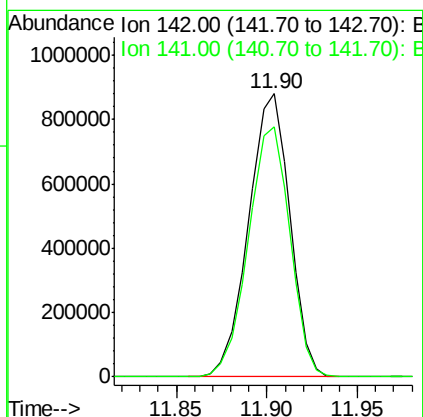
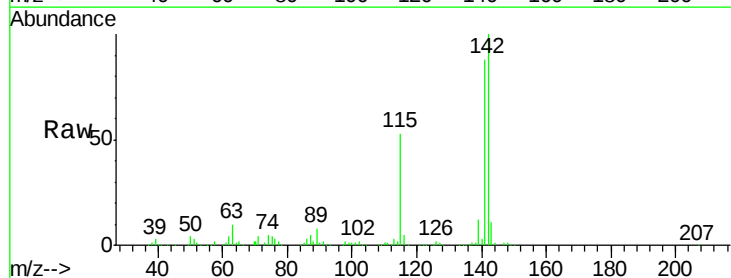
Instrument :
BNA_M
ClientSampleId :
F5D77ME

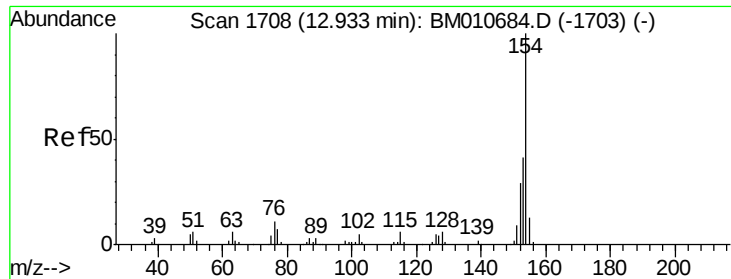
Tgt Ion:127 Resp: 948756
Ion Ratio Lower Upper
127 100
129 79.9 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 109.478 ng/ul
RT: 11.90 min Scan# 1533
Delta R.T. 0.01 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Tgt Ion:142 Resp: 1394017
Ion Ratio Lower Upper
142 100
141 88.2 74.1 111.1

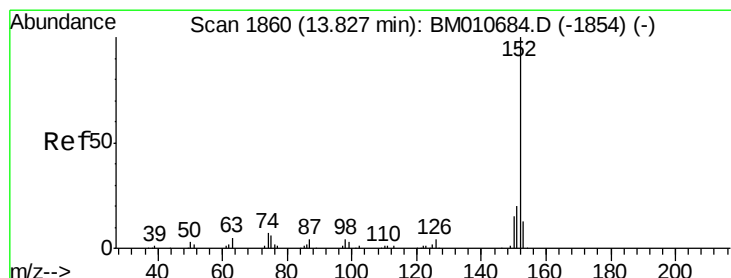
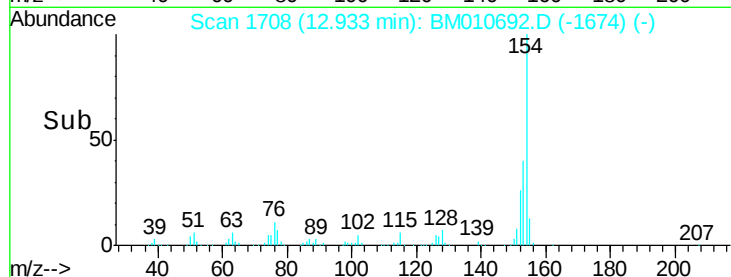
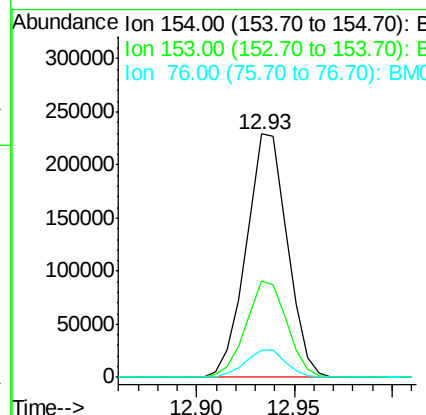
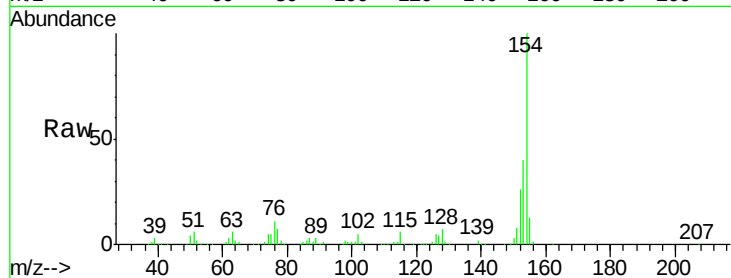




#40
 1,1'-Biphenyl
 Concen: 19.357 ng/ul
 RT: 12.93 min Scan# 1708
 Delta R.T. -0.00 min
 Lab File: BM010692.D
 Acq: 23 Jun 2017 16:25

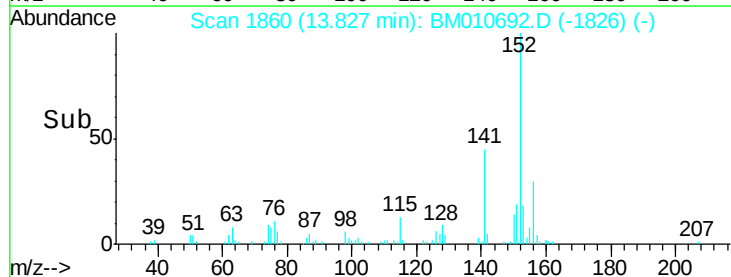
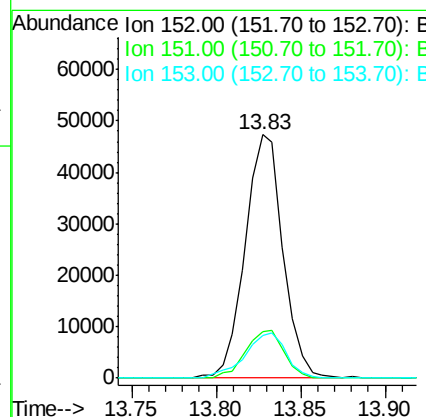
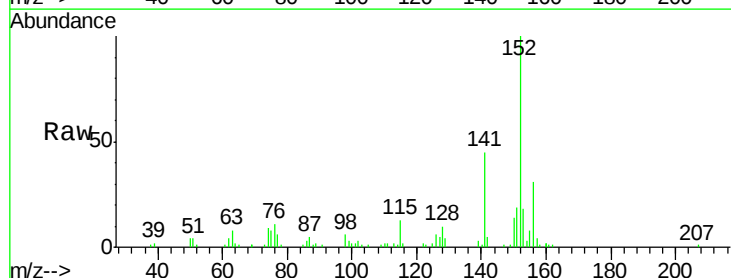
Instrument :
 BNA_M
 ClientSampleId :
 F5D77ME

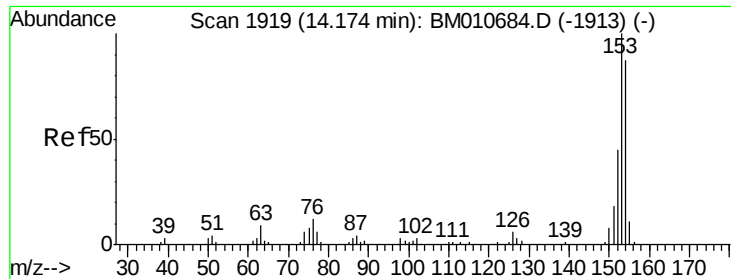
Tgt Ion:	154	Resp:	334456
Ion	Ratio	Lower	Upper
154	100		
153	39.7	32.6	48.8
76	11.0	8.5	12.7



#47
 Acenaphthylene
 Concen: 3.424 ng/ul
 RT: 13.83 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: BM010692.D
 Acq: 23 Jun 2017 16:25

Tgt Ion:	152	Resp:	73591
Ion	Ratio	Lower	Upper
152	100		
151	19.0	16.3	24.5
153	17.6	10.2	15.4#





#49

Acenaphthene

Concen: 68.075 ng/ul

RT: 14.18 min Scan# 1920

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampleId :

F5D77ME

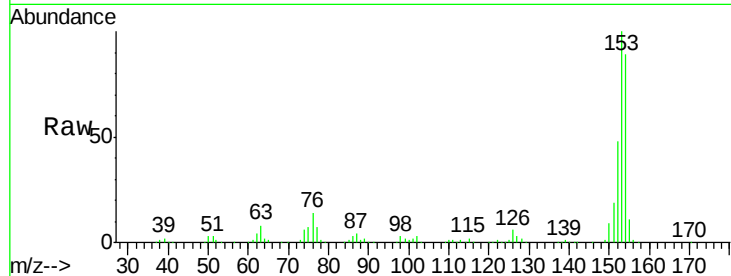
Tgt Ion:153 Resp: 987004

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

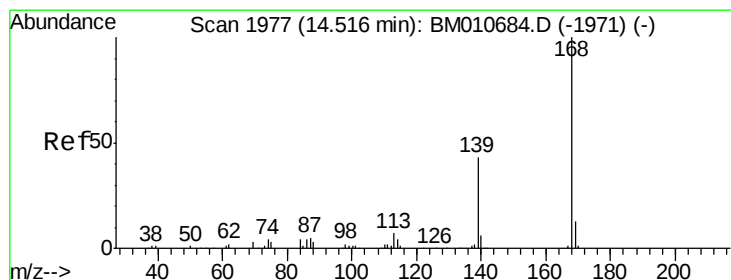
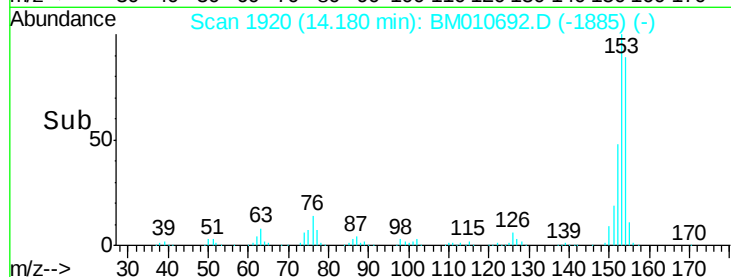
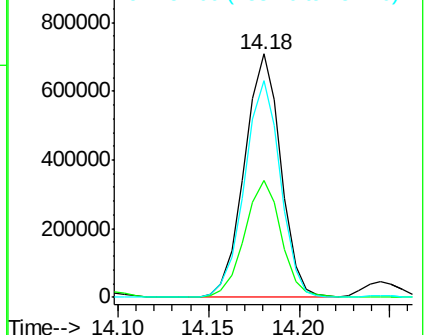
154 88.9 70.4 105.6



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: 52.654 ng/ul

RT: 14.52 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BM010692.D

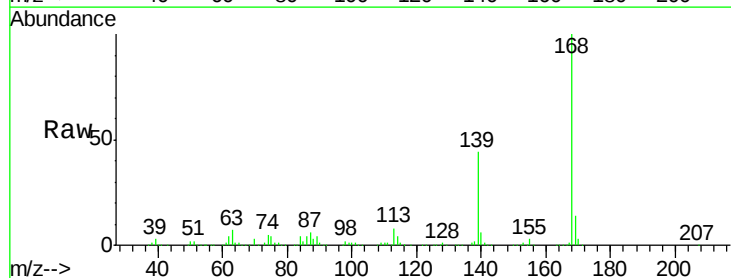
Acq: 23 Jun 2017 16:25

Tgt Ion:168 Resp: 1156129

Ion Ratio Lower Upper

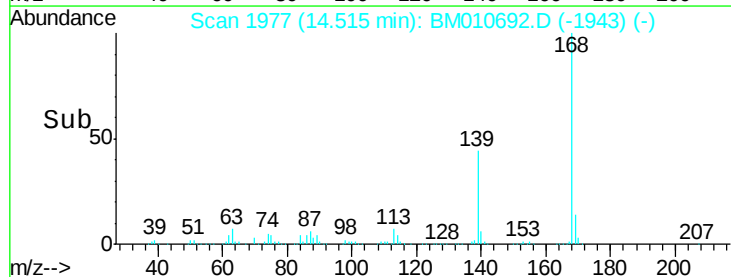
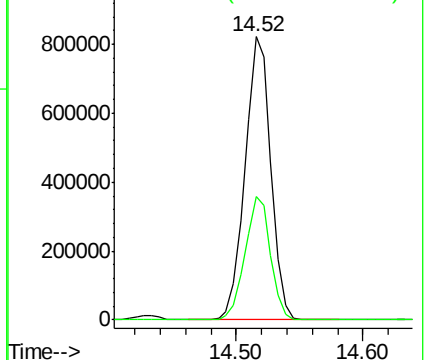
168 100

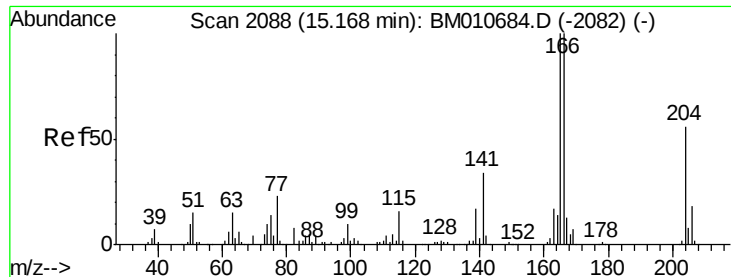
139 43.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 61.710 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

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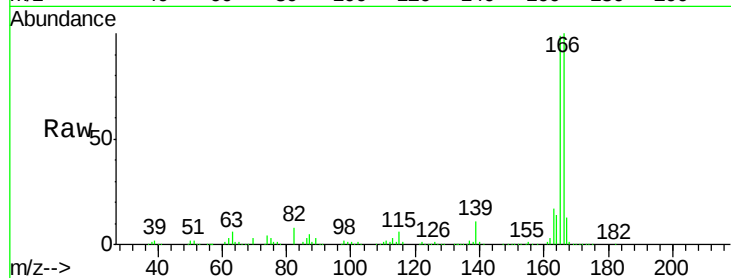
Tgt Ion:166 Resp: 1134457

Ion Ratio Lower Upper

166 100

165 98.9 77.9 116.9

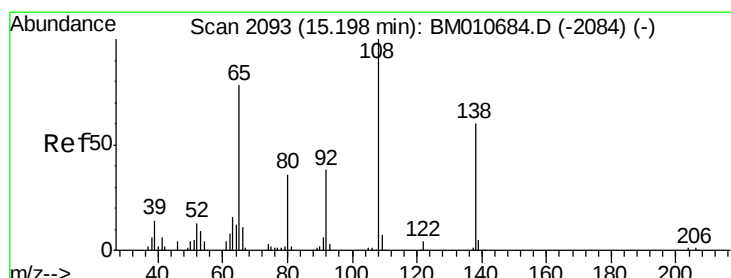
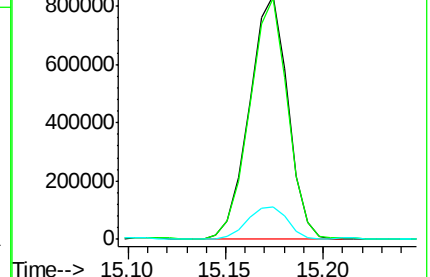
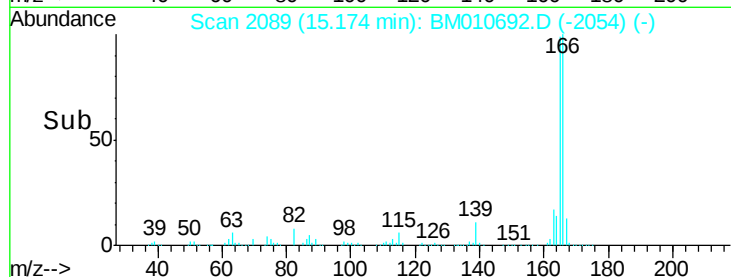
167 13.5 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Nitroaniline

Concen: 3.966 ng/ul

RT: 15.17 min Scan# 2089

Delta R.T. -0.02 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

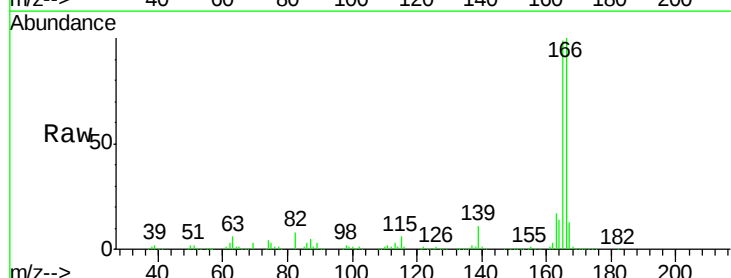
Tgt Ion:138 Resp: 15563

Ion Ratio Lower Upper

138 100

92 0.0 52.7 79.1#

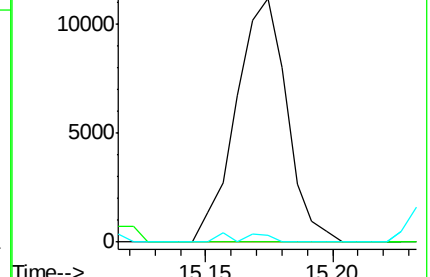
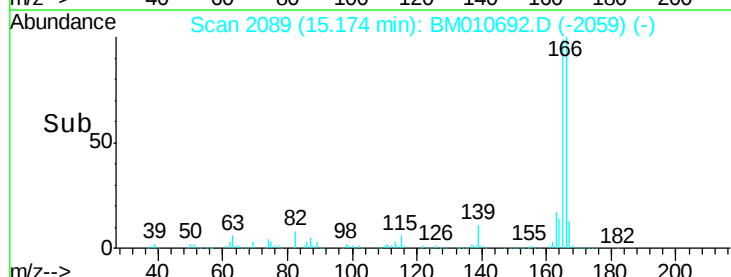
108 2.9 140.4 210.6#

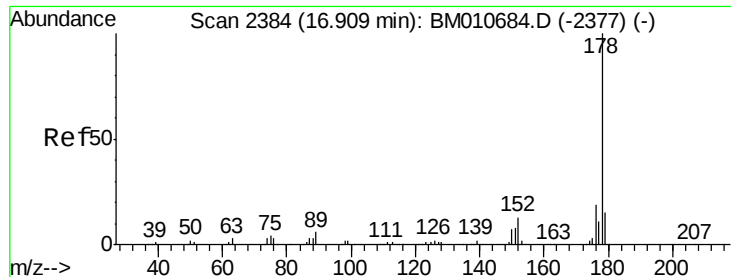


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 181.135 ng/ul

RT: 16.92 min Scan# 2386

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

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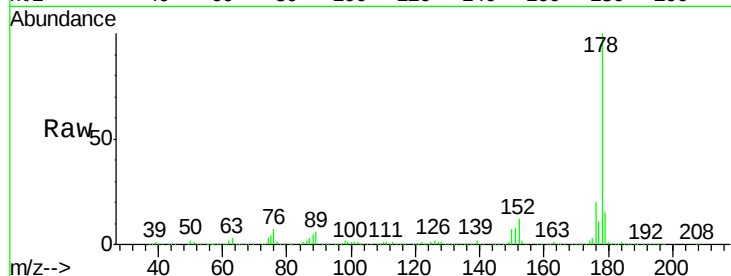
Tgt Ion:178 Resp: 5209838

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

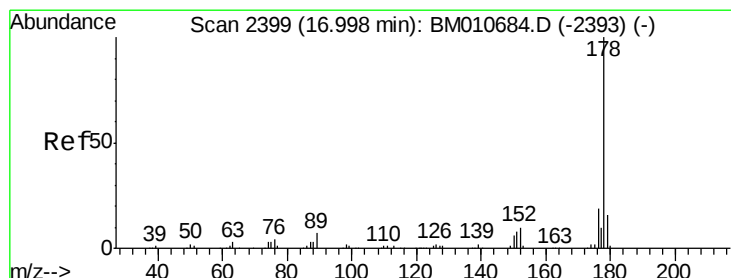
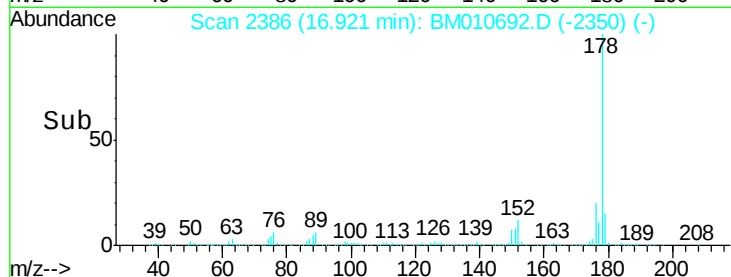
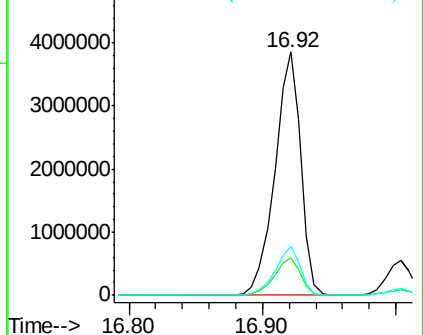
176 20.1 14.9 22.3



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: 24.332 ng/ul

RT: 17.00 min Scan# 2400

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

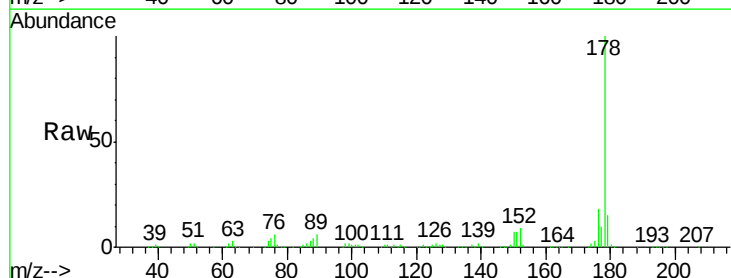
Tgt Ion:178 Resp: 721014

Ion Ratio Lower Upper

178 100

179 15.5 11.7 17.5

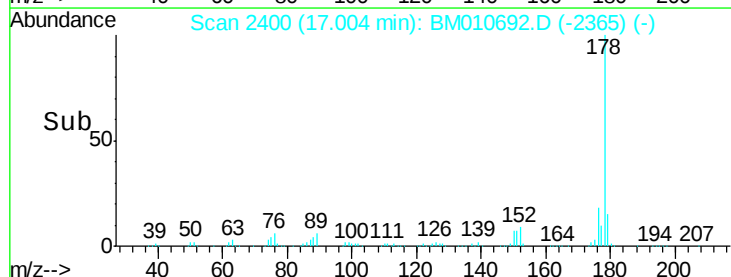
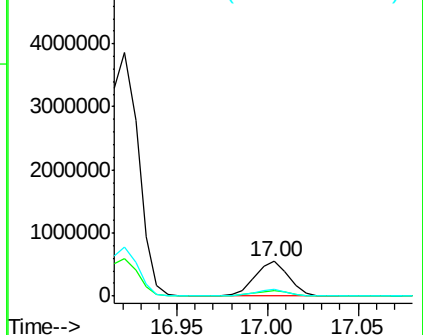
176 18.4 14.6 21.8

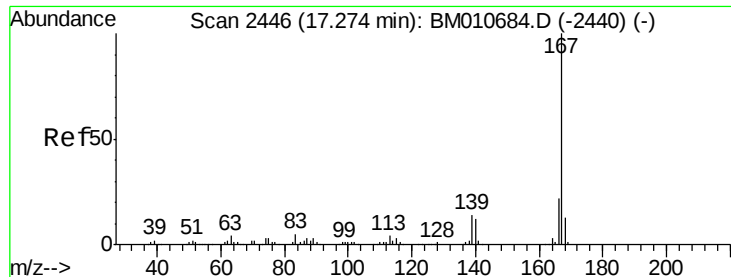


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 12.114 ng/ul

RT: 17.27 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampleId :

F5D77ME

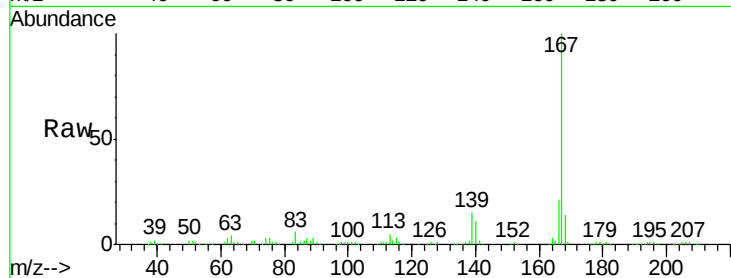
Tgt Ion:167 Resp: 313166

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

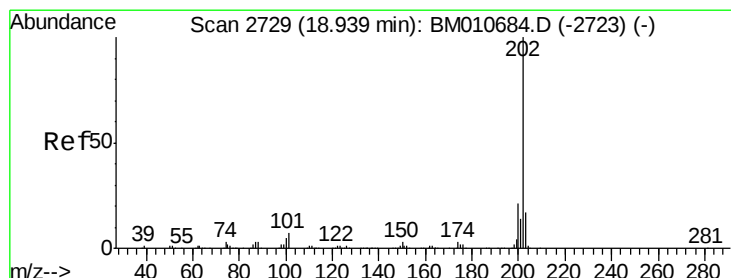
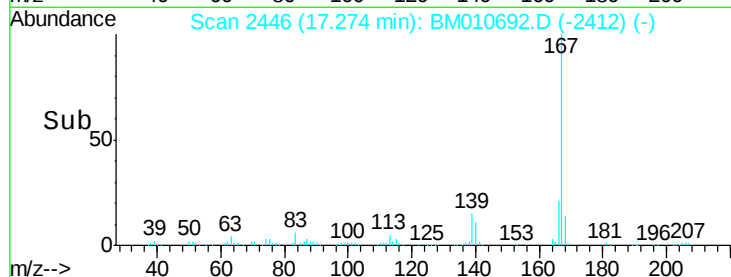
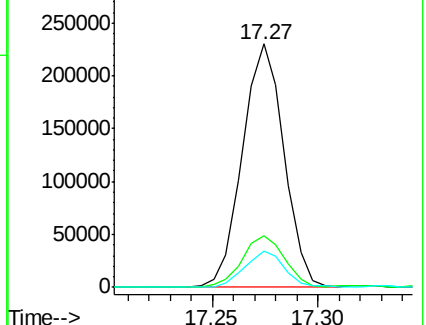
139 14.9 10.0 15.0



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: 85.045 ng/ul

RT: 18.94 min Scan# 2730

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

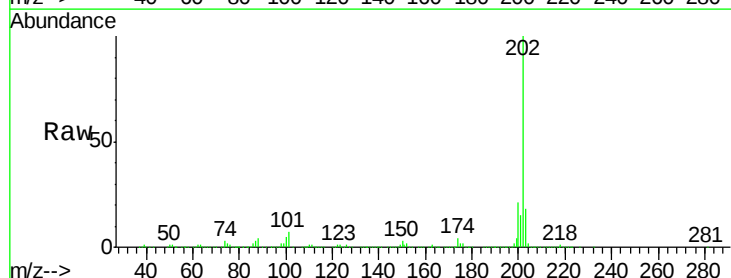
Tgt Ion:202 Resp: 3152403

Ion Ratio Lower Upper

202 100

101 7.1 4.6 7.0#

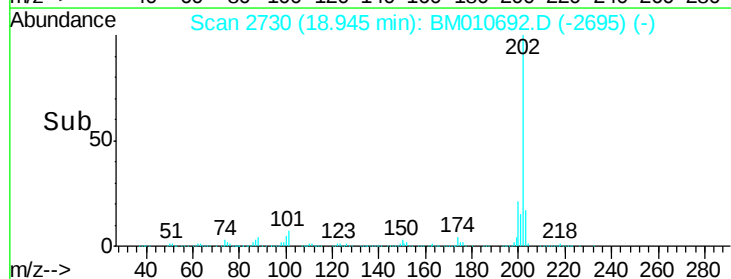
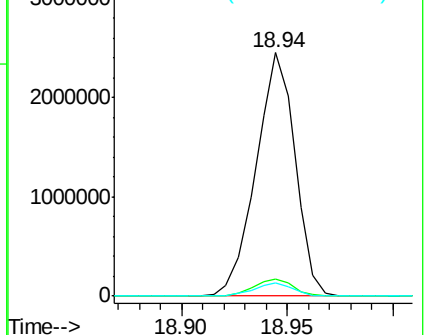
100 5.2 3.4 5.2#

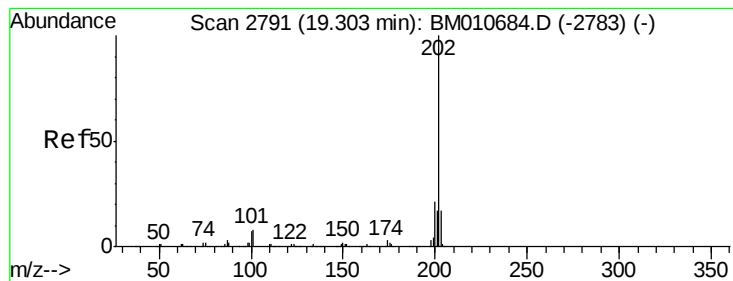


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 58.756 ng/ul

RT: 19.31 min Scan# 2792

Delta R.T. 0.01 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampleId :

F5D77ME

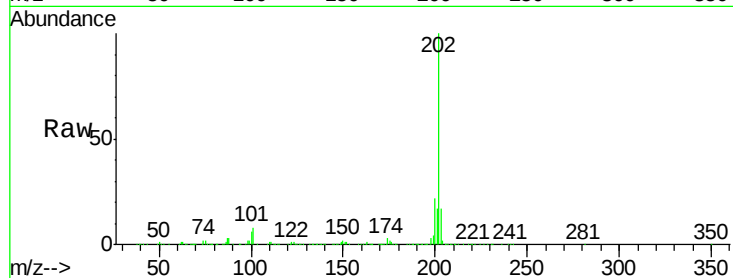
Tgt Ion:202 Resp: 2068979

Ion Ratio Lower Upper

202 100

101 7.5 5.1 7.7

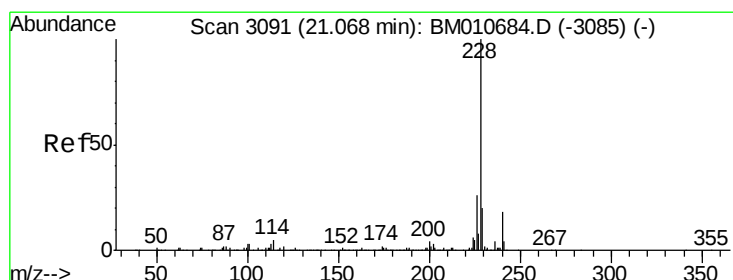
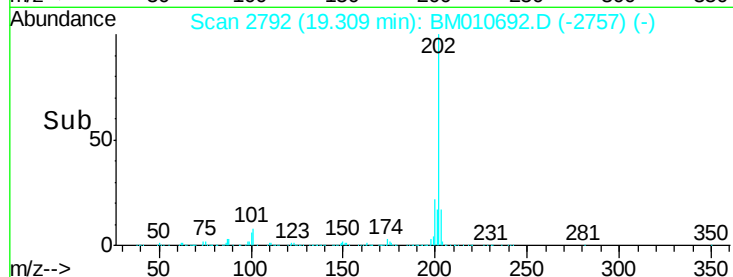
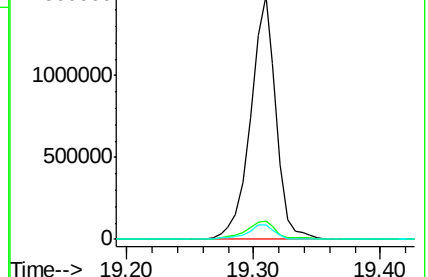
100 6.2 4.9 7.3



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): E



#80

Benzo(a)anthracene

Concen: 17.673 ng/ul

RT: 21.07 min Scan# 3091

Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

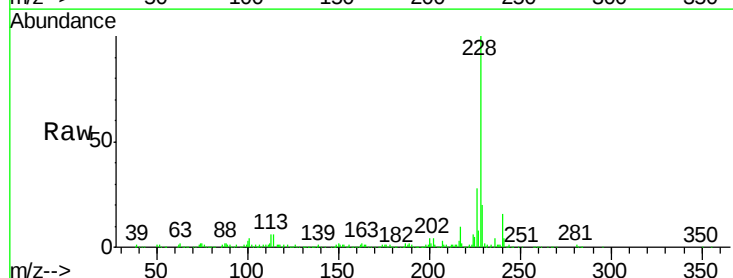
Tgt Ion:228 Resp: 627416

Ion Ratio Lower Upper

228 100

229 19.8 15.4 23.0

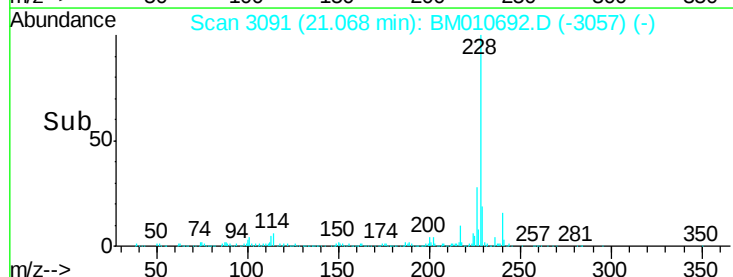
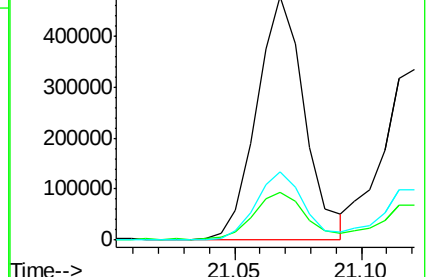
226 27.8 21.4 32.0

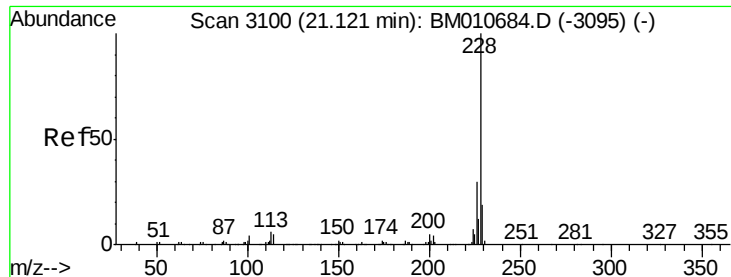


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 14.202 ng/ul

RT: 21.12 min Scan# 3100

Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampleId :

F5D77ME

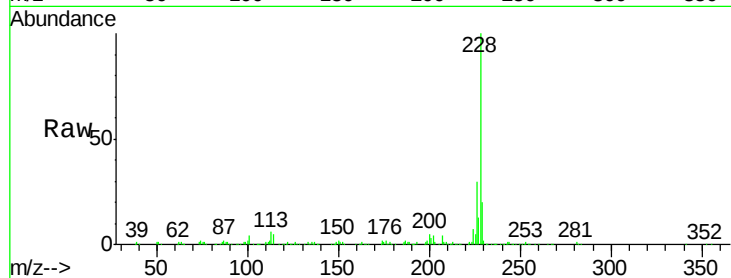
Tgt Ion:228 Resp: 449546

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.2

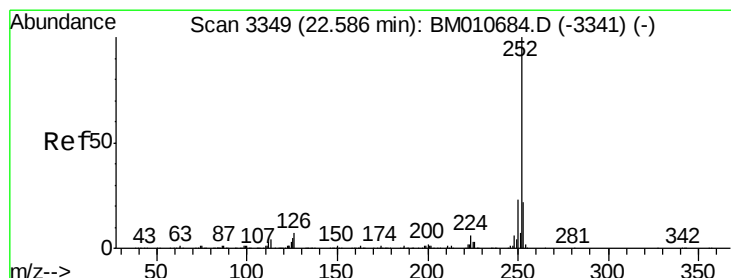
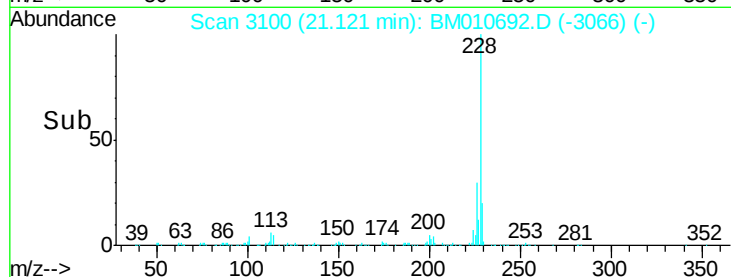
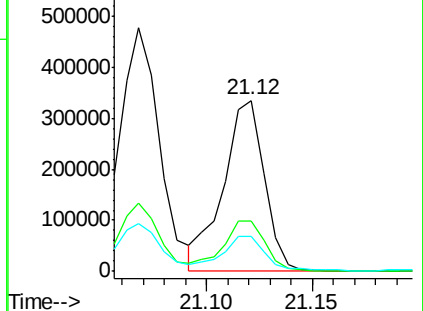
229 20.2 15.5 23.3



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: 9.772 ng/ul

RT: 22.59 min Scan# 3349

Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

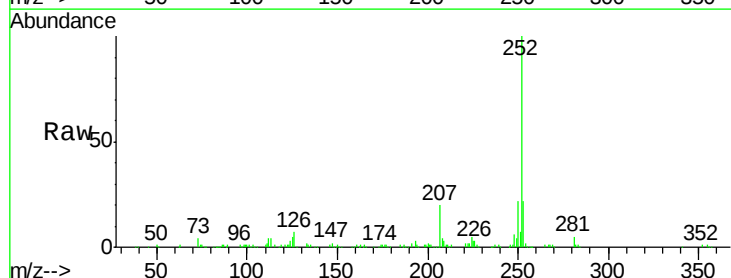
Tgt Ion:252 Resp: 284888

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

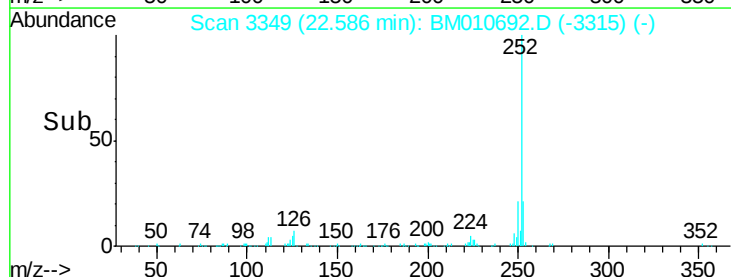
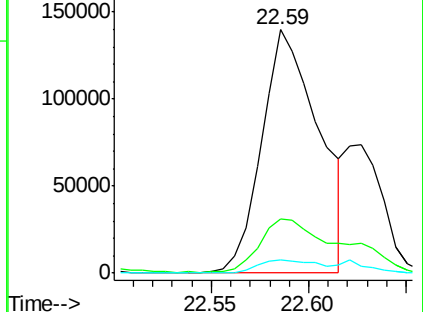
125 5.2 3.6 5.4

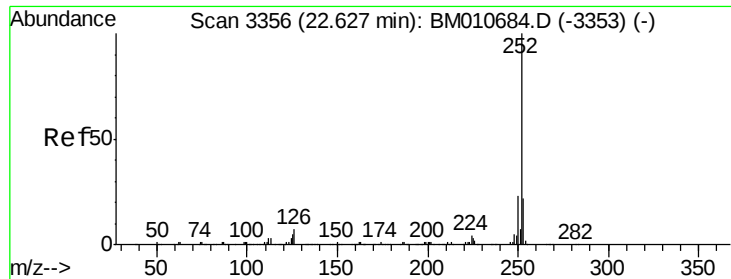


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

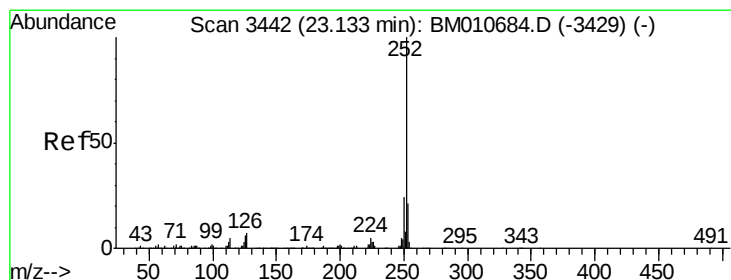
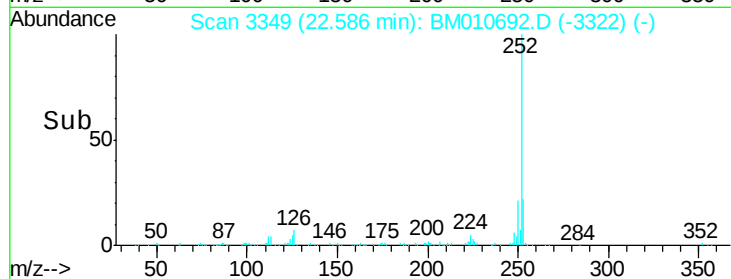
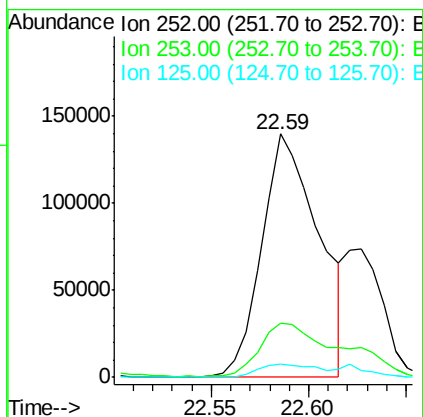
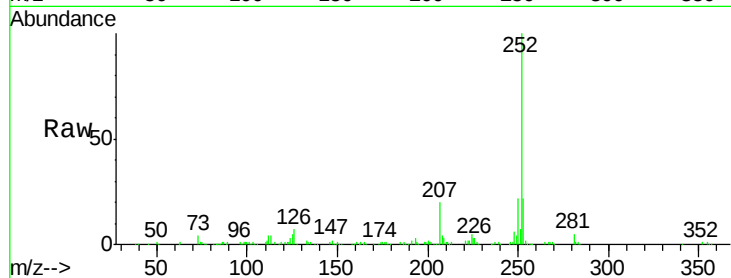




#86
Benzo(k)fluoranthene
Concen: 10.307 ng/ul
RT: 22.59 min Scan# 3349
Delta R.T. -0.04 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

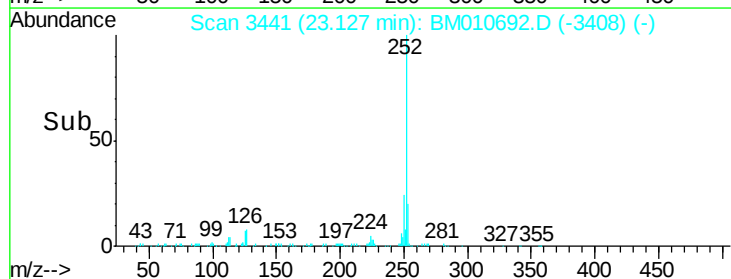
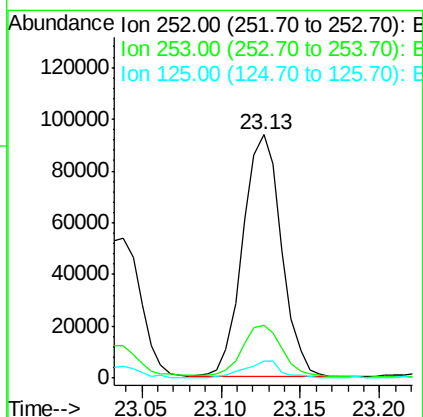
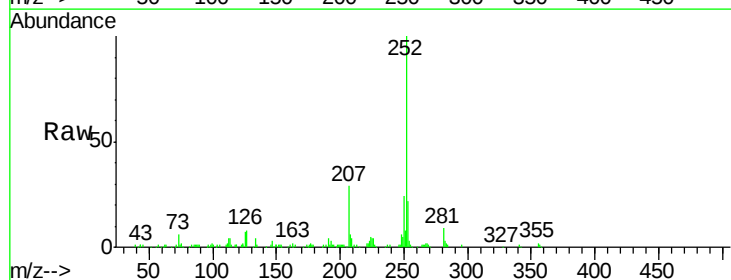
Instrument :
BNA_M
ClientSampleId :
F5D77ME

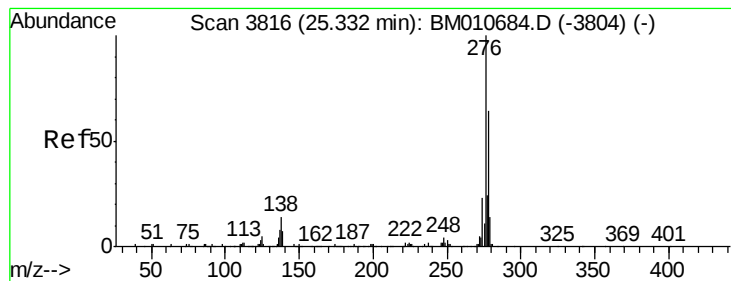
Tgt Ion:252 Resp: 284888
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 5.2 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 5.901 ng/ul
RT: 23.13 min Scan# 3441
Delta R.T. -0.01 min
Lab File: BM010692.D
Acq: 23 Jun 2017 16:25

Tgt Ion:252 Resp: 158396
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 7.1 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.670 ng/ul

RT: 25.33 min Scan# 3816

Delta R.T. -0.00 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

Instrument :

BNA_M

ClientSampleId :

F5D77ME

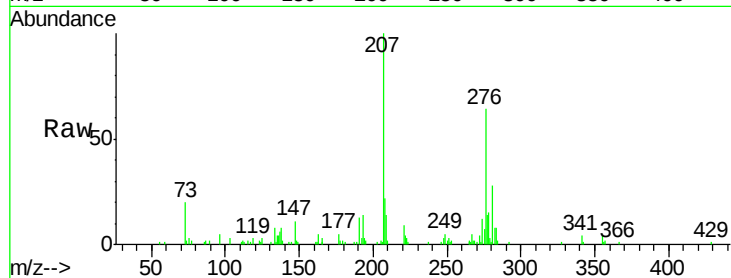
Tgt Ion:276 Resp: 46491

Ion Ratio Lower Upper

276 100

138 11.9 9.3 13.9

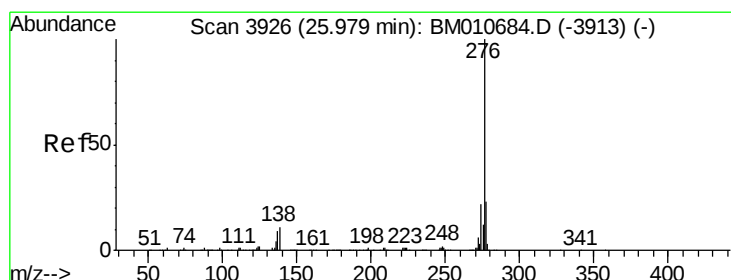
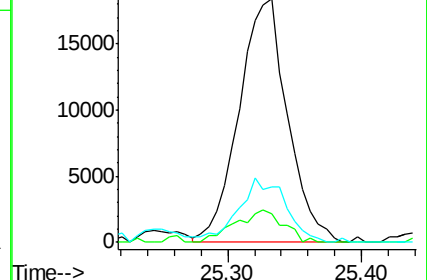
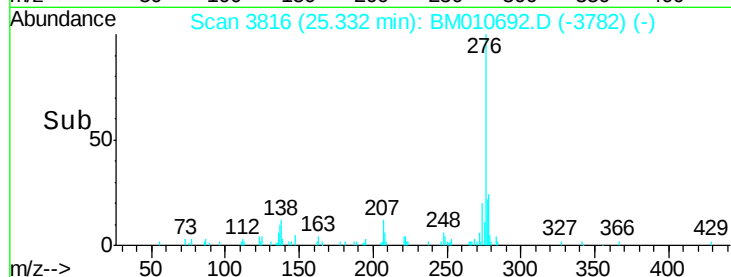
277 22.6 19.9 29.9



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



#91

Benzo(g,h,i)perylene

Concen: 1.345 ng/ul

RT: 25.96 min Scan# 3923

Delta R.T. -0.02 min

Lab File: BM010692.D

Acq: 23 Jun 2017 16:25

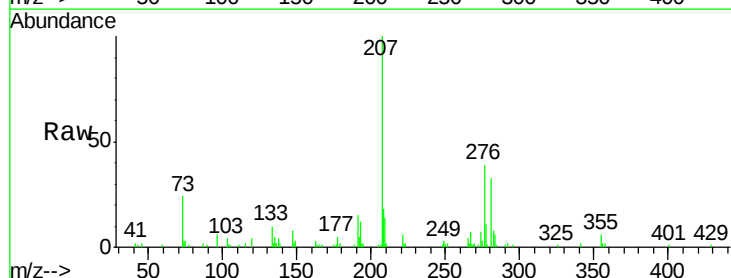
Tgt Ion:276 Resp: 29809

Ion Ratio Lower Upper

276 100

138 6.4 8.5 12.7#

277 27.4 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

