

Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C31ME

Quant Time: Jun 23 05:07:57 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	62846	20.00	ng/ul	0.00
18) Naphthalene-d8	10.22	136	272888	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.12	164	187851	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.87	188	470017	20.00	ng/ul	0.00
75) Chrysene-d12	21.08	240	594443	20.00	ng/ul	0.00
83) Perylene-d12	23.23	264	467906	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.07	96	3012	2.75	ng/uL	0.00
5) Phenol-d5	6.65	99	76330	12.75	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	45426	13.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	60809	14.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	66843	13.47	ng/ul	0.00
19) Nitrobenzene-d5	8.61	128	31998	16.44	ng/ul	0.00
22) 2-Nitrophenol-d4	9.32	143	37446	16.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	72454	15.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	83941	16.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.53	166	276377	16.76	ng/ul	0.00
46) Acenaphthylene-d8	13.80	160	309291	16.12	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	28545	9.84	ng/ul	0.00
57) Fluorene-d10	15.12	176	237219	16.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	34120	11.82	ng/ul	0.00
70) Anthracene-d10	16.87	188	470017	20.71	ng/ul	-0.10
76) Pyrene-d10	19.27	212	472071	17.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.09	264	383660	16.96	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.27	128	40323	2.97	ng/ul#	97
30) 4-Chloroaniline	10.27	127	5299	1.06	ng/ul#	7
34) 2-Methylnaphthalene	11.90	142	15106	1.38	ng/ul	95
44) Dimethylphthalate	13.58	163	50178	3.10	ng/ul	98
47) Acenaphthylene	13.83	152	38591	2.11	ng/ul	94
53) Dibenzofuran	14.52	168	33097	1.77	ng/ul#	79
58) Fluorene	15.17	166	74944	4.80	ng/ul	92
69) Phenanthrene	16.91	178	297483	11.91	ng/ul	98
71) Anthracene	17.00	178	1795846	69.76	ng/ul	98
72) Carbazole	17.28	167	563333	25.08	ng/ul	98
74) Fluoranthene	18.94	202	891187	27.67	ng/ul#	97
77) Pyrene	19.30	202	794459	23.14	ng/ul#	97
80) Benzo(a)anthracene	21.07	228	380168	10.98	ng/ul	94
82) Chrysene	21.12	228	438455	14.21	ng/ul	98
85) Benzo(b)fluoranthene	22.59	252	660297	21.74	ng/ul	99
86) Benzo(k)fluoranthene	22.59	252	660297	22.93	ng/ul#	98
88) Benzo(a)pyrene	23.13	252	332859	11.90	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.33	276	201296	6.94	ng/ul	98
90) Dibenzo(a,h)anthracene	25.34	278	56739	2.35	ng/ul	98
91) Benzo(g,h,i)perylene	25.98	276	142163	6.16	ng/ul#	97

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

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F5C31ME

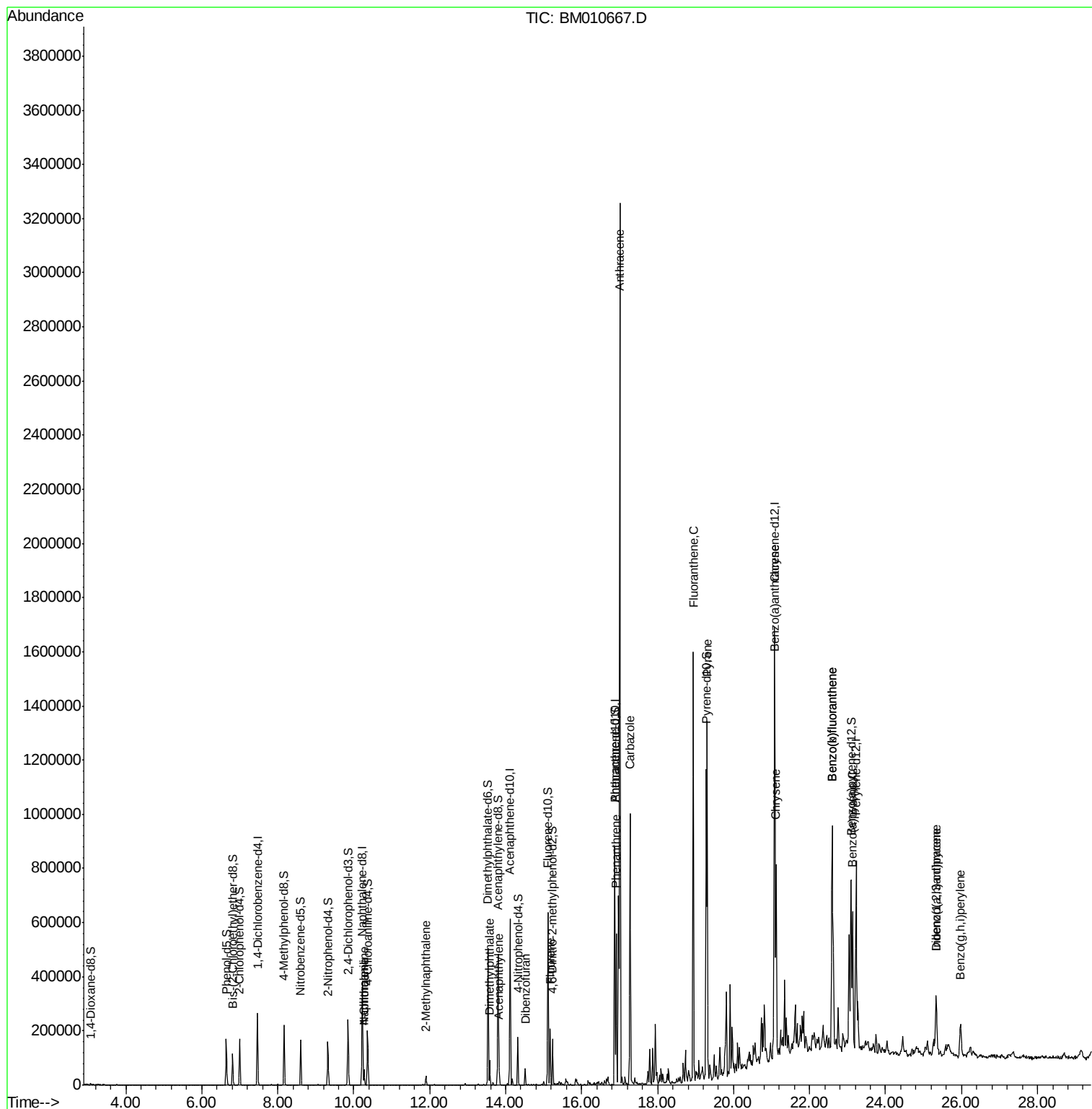
Quant Time: Jun 23 05:07:57 2017

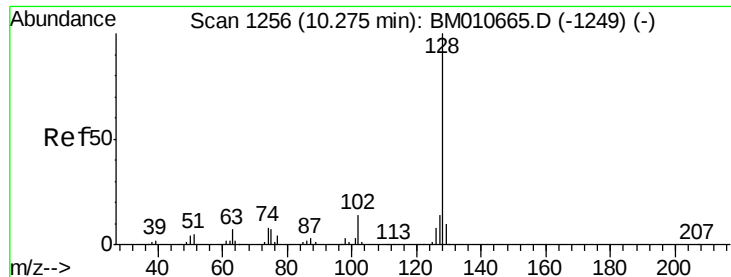
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M

Quant Title : SVOA CALIBRATION

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Response via : Initial Calibration

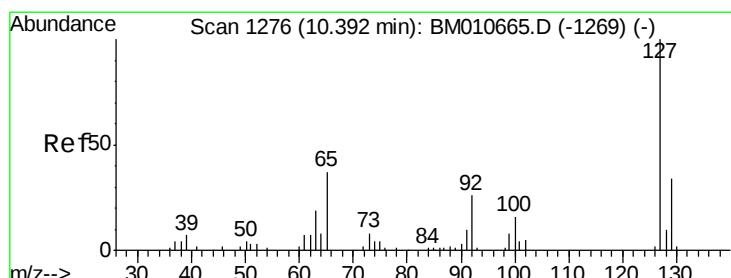
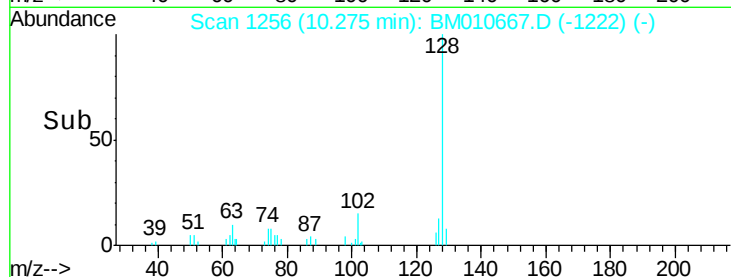
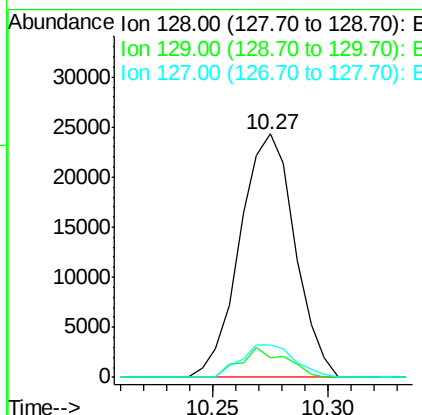
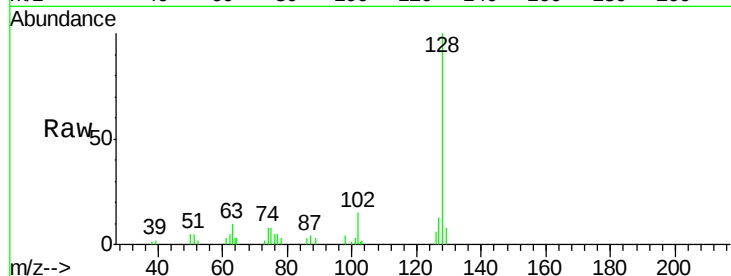




#28
Naphthalene
Concen: 2.97 ng/ul
RT: 10.27 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BM010667.D
Acq: 22 Jun 2017 19:33

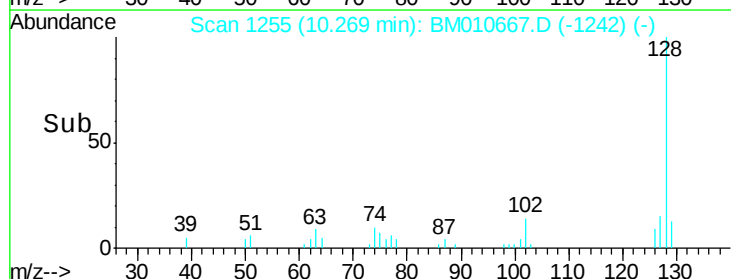
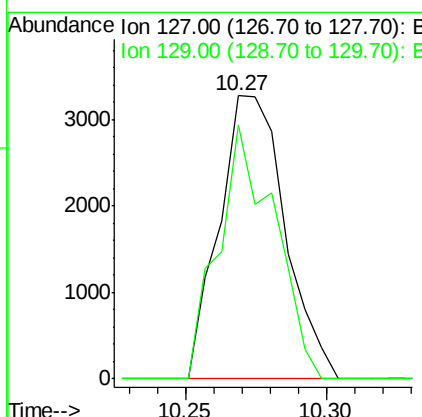
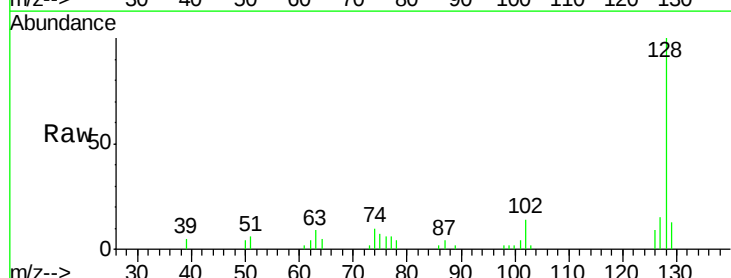
Instrument :
BNA_M
ClientSampleId :
F5C31ME

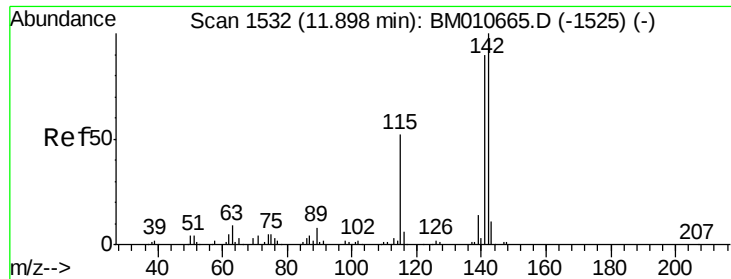
Tgt Ion:128 Resp: 40323
Ion Ratio Lower Upper
128 100
129 8.3 8.8 13.2#
127 13.4 10.6 16.0



#30
4-Chloroaniline
Concen: 1.06 ng/ul
RT: 10.27 min Scan# 1255
Delta R.T. -0.12 min
Lab File: BM010667.D
Acq: 22 Jun 2017 19:33

Tgt Ion:127 Resp: 5299
Ion Ratio Lower Upper
127 100
129 89.8 28.4 42.6#

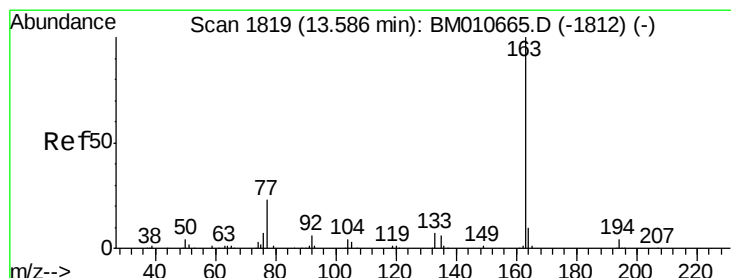
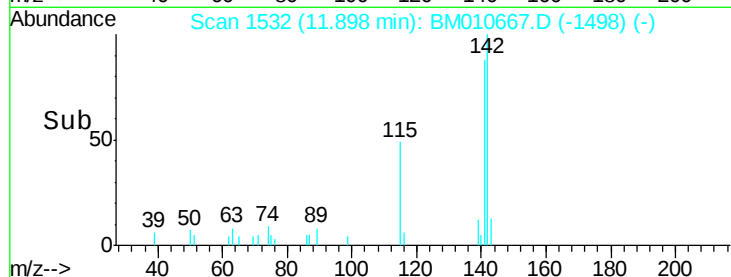
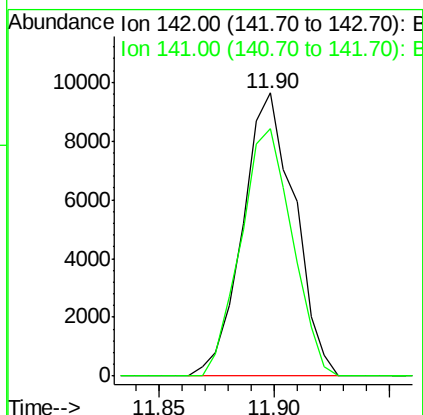
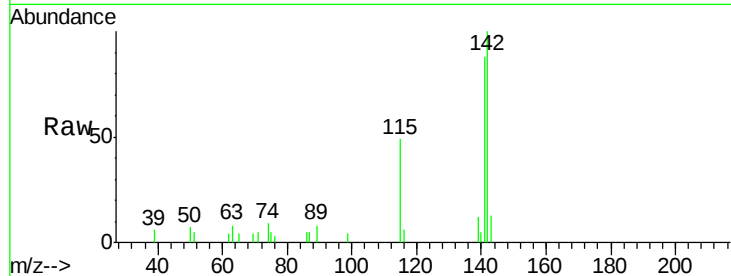




#34
 2-Methylnaphthalene
 Concen: 1.38 ng/ul
 RT: 11.90 min Scan# 1532
 Delta R.T. -0.00 min
 Lab File: BM010667.D
 Acq: 22 Jun 2017 19:33

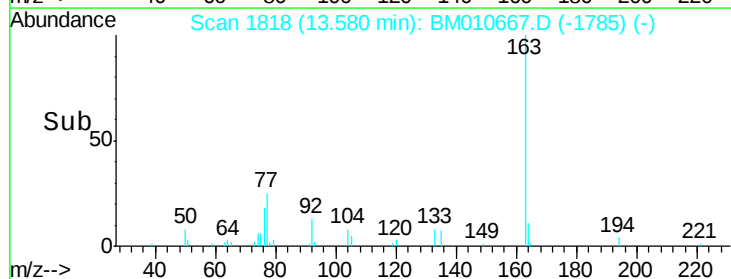
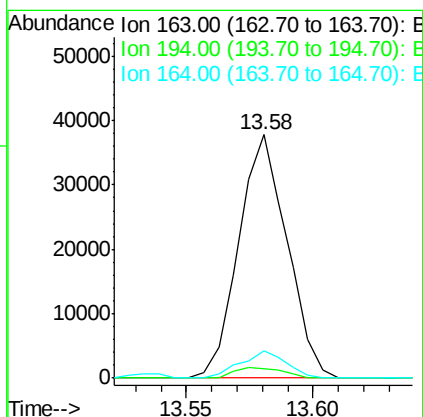
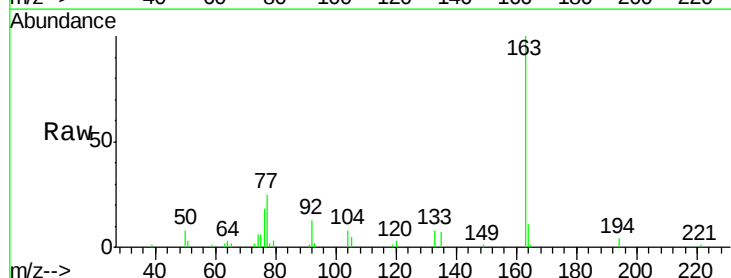
Instrument :
 BNA_M
 ClientSampleId :
 F5C31ME

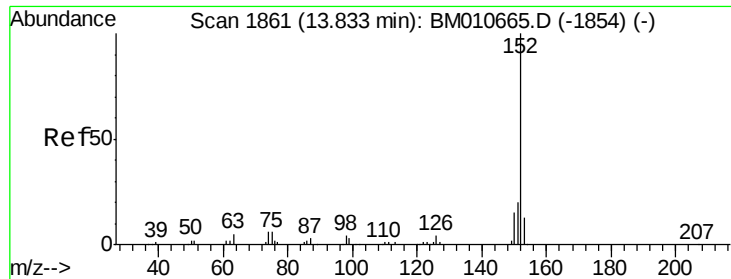
Tgt Ion:142 Resp: 15106
 Ion Ratio Lower Upper
 142 100
 141 87.6 74.1 111.1



#44
 Dimethylphthalate
 Concen: 3.10 ng/ul
 RT: 13.58 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BM010667.D
 Acq: 22 Jun 2017 19:33

Tgt Ion:163 Resp: 50178
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.5 5.3
 164 11.1 8.2 12.4

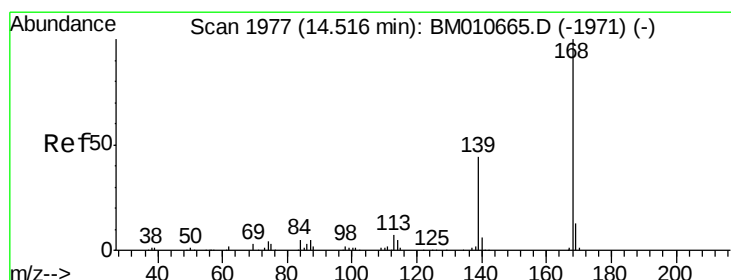
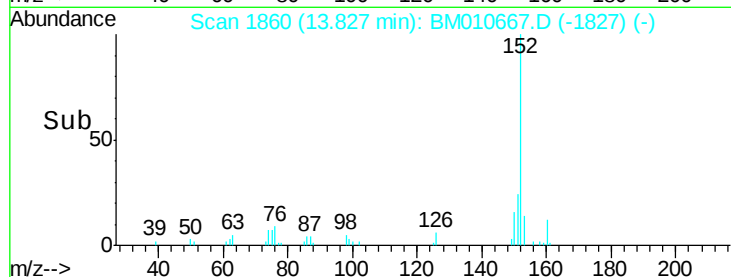
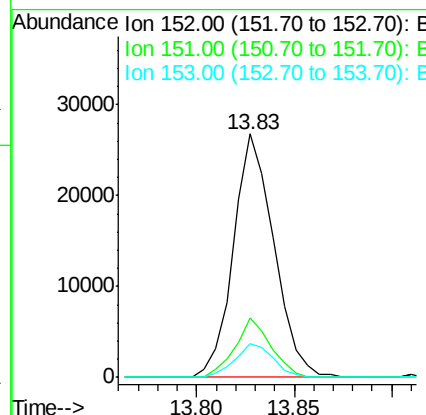
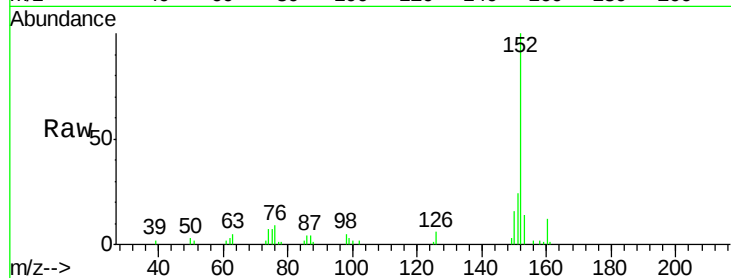




#47
Acenaphthylene
Concen: 2.11 ng/ul
RT: 13.83 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM010667.D
Acq: 22 Jun 2017 19:33

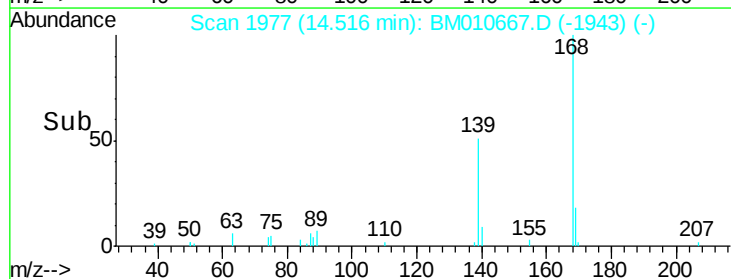
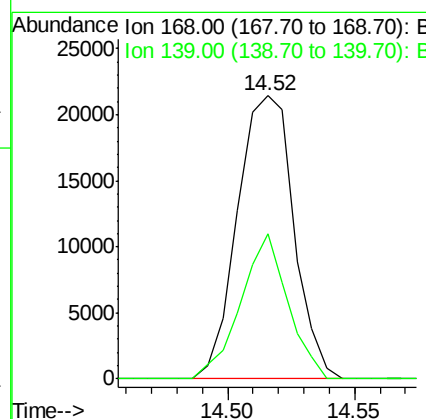
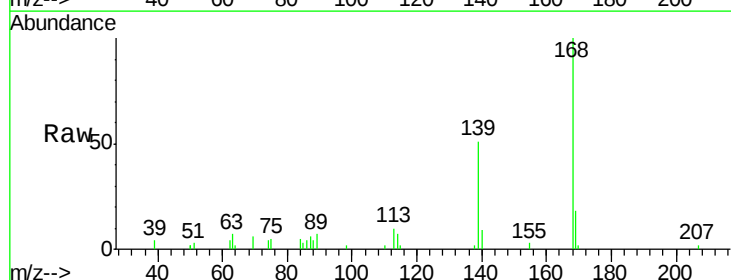
Instrument :
BNA_M
ClientSampleId :
F5C31ME

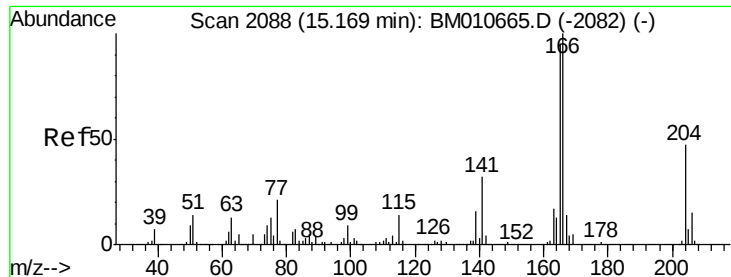
Tgt Ion:152 Resp: 38591
Ion Ratio Lower Upper
152 100
151 24.4 16.3 24.5
153 13.8 10.2 15.4



#53
Dibenzofuran
Concen: 1.77 ng/ul
RT: 14.52 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BM010667.D
Acq: 22 Jun 2017 19:33

Tgt Ion:168 Resp: 33097
Ion Ratio Lower Upper
168 100
139 51.3 30.8 46.2#





#58

Fluorene

Concen: 4.80 ng/ul

RT: 15.17 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F5C31ME

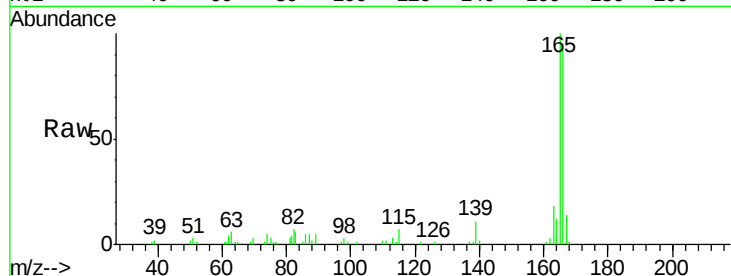
Tgt Ion:166 Resp: 74944

Ion Ratio Lower Upper

166 100

165 105.6 77.9 116.9

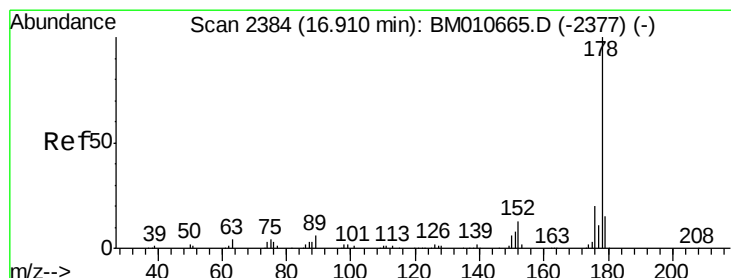
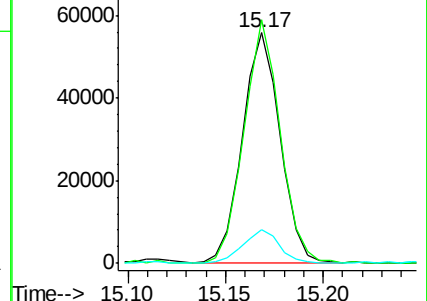
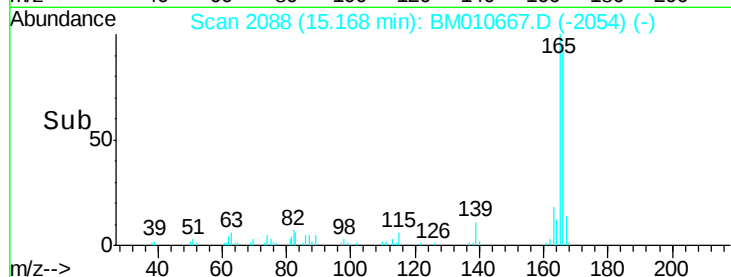
167 14.4 10.6 16.0



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: 11.91 ng/ul

RT: 16.91 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

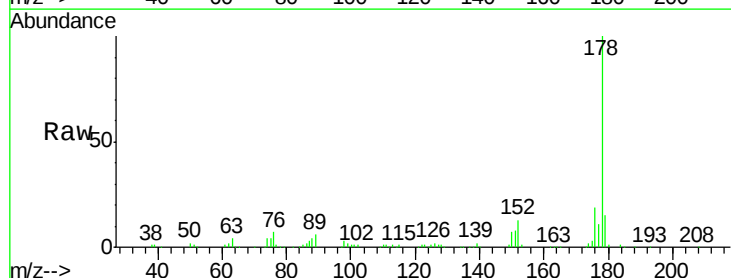
Tgt Ion:178 Resp: 297483

Ion Ratio Lower Upper

178 100

179 14.6 12.6 19.0

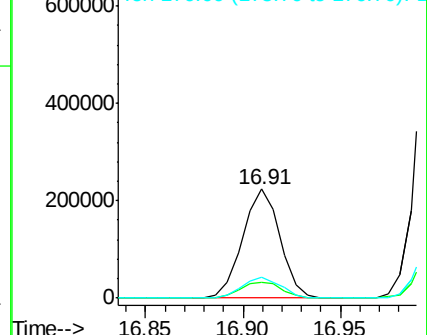
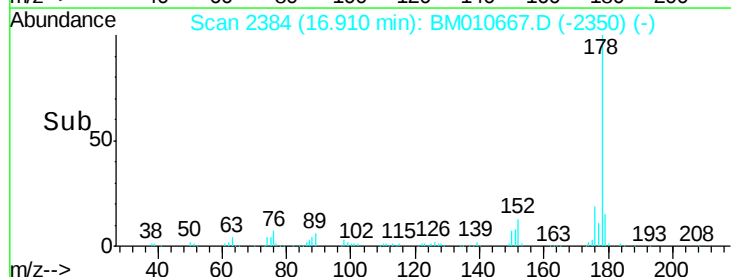
176 18.8 14.9 22.3

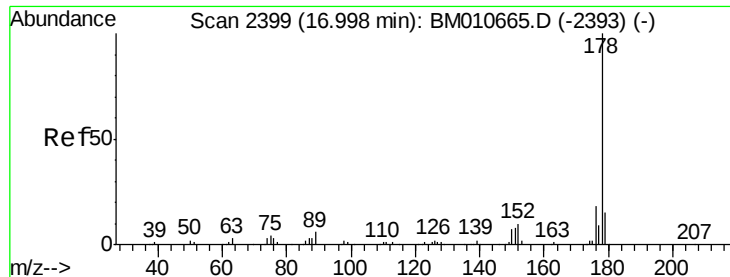


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

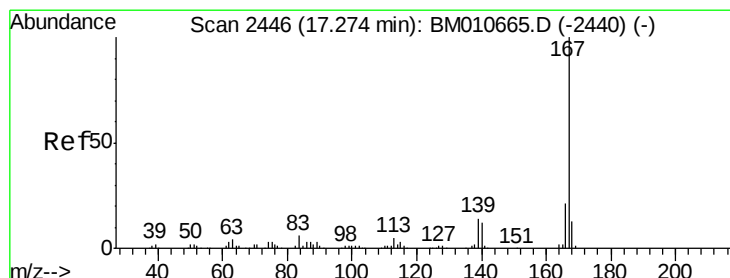
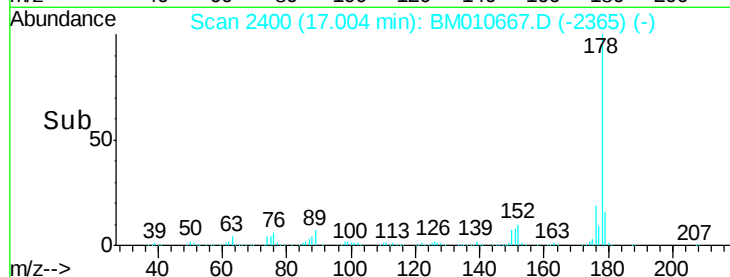
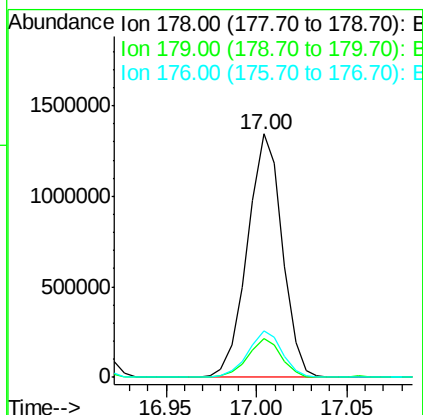
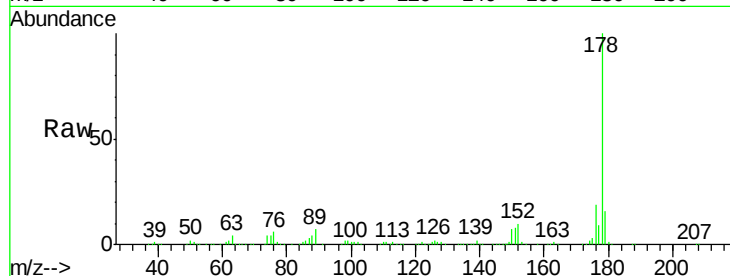




#71
 Anthracene
 Concen: 69.76 ng/ul
 RT: 17.00 min Scan# 2400
 Delta R.T. 0.01 min
 Lab File: BM010667.D
 Acq: 22 Jun 2017 19:33

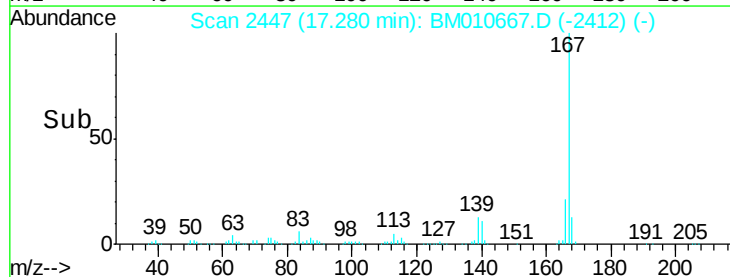
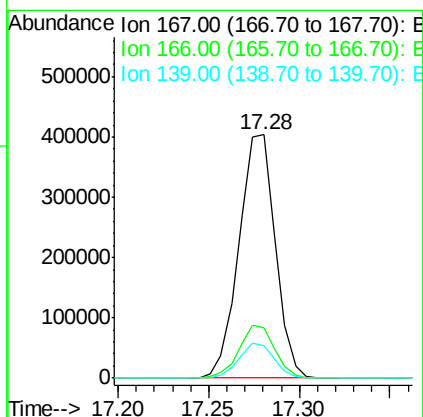
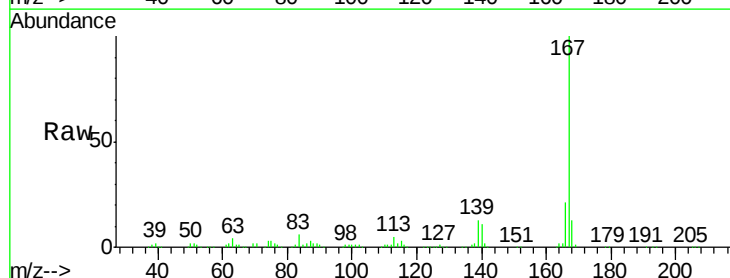
Instrument :
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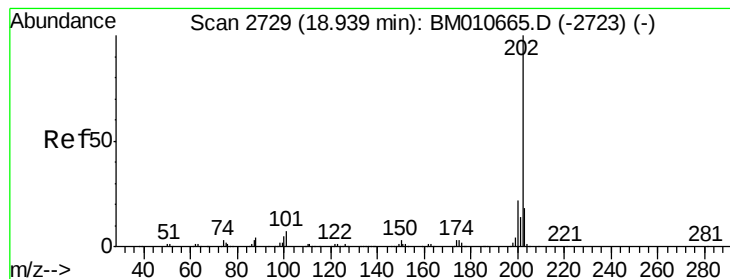
Tgt Ion:178 Resp: 1795846
 Ion Ratio Lower Upper
 178 100
 179 15.9 11.7 17.5
 176 19.0 14.6 21.8



#72
 Carbazole
 Concen: 25.08 ng/ul
 RT: 17.28 min Scan# 2447
 Delta R.T. 0.01 min
 Lab File: BM010667.D
 Acq: 22 Jun 2017 19:33

Tgt Ion:167 Resp: 563333
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.1 25.7
 139 13.5 10.0 15.0





#74

Fluoranthene

Concen: 27.67 ng/ul

RT: 18.94 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F5C31ME

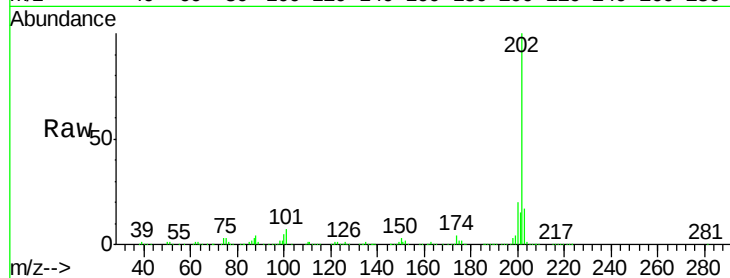
Tgt Ion:202 Resp: 891187

Ion Ratio Lower Upper

202 100

101 6.7 4.6 7.0

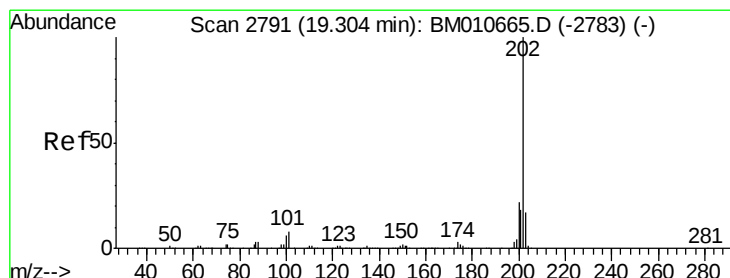
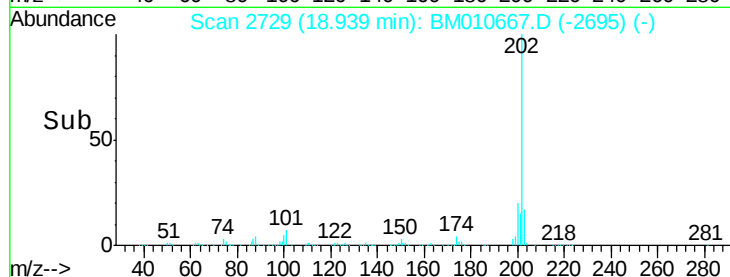
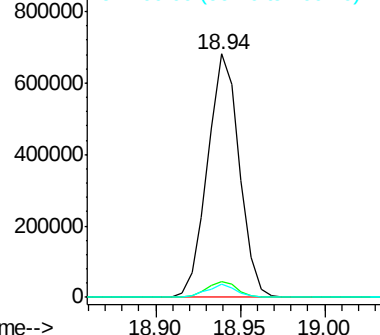
100 5.4 3.4 5.2#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#77

Pyrene

Concen: 23.14 ng/ul

RT: 19.30 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

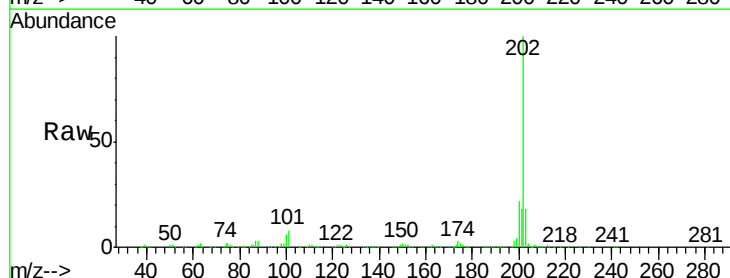
Tgt Ion:202 Resp: 794459

Ion Ratio Lower Upper

202 100

101 8.2 5.1 7.7#

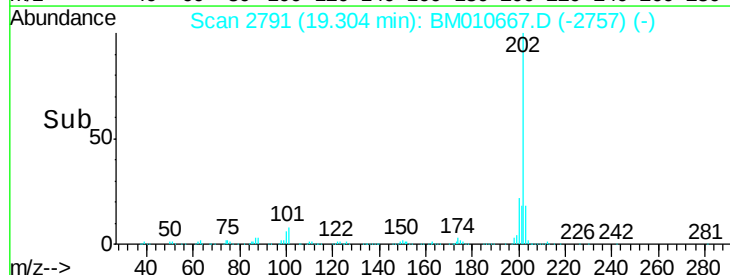
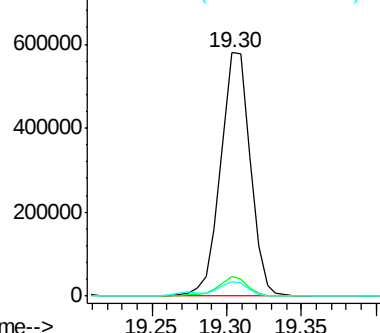
100 5.8 4.9 7.3

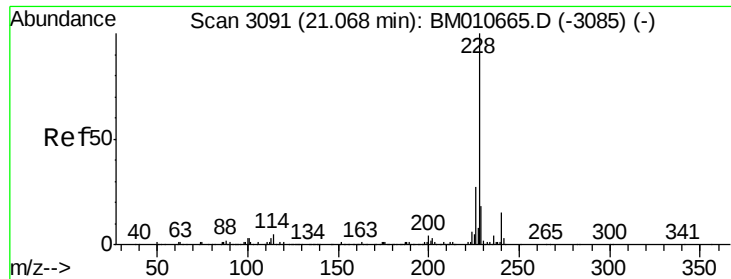


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

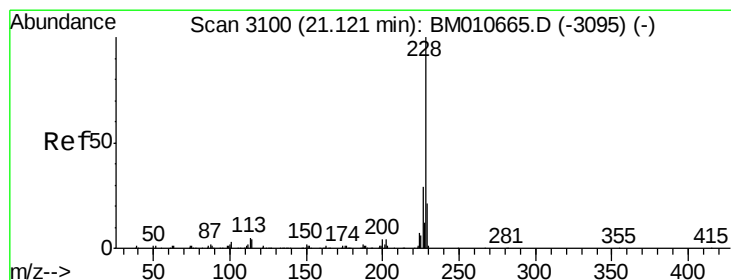
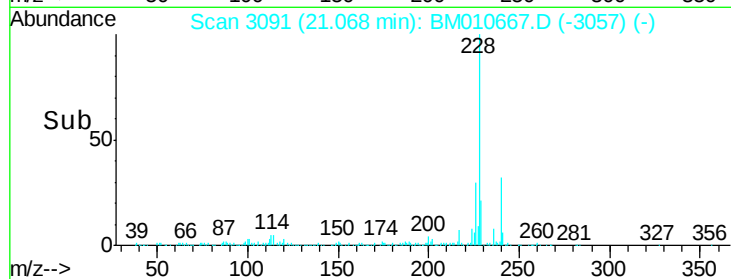
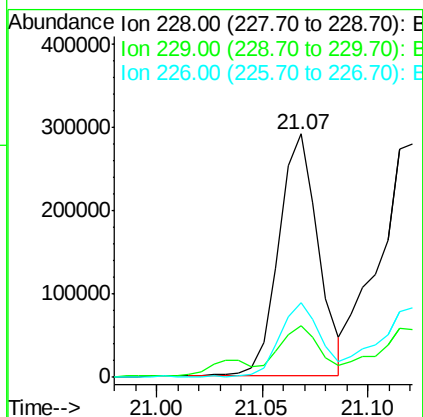
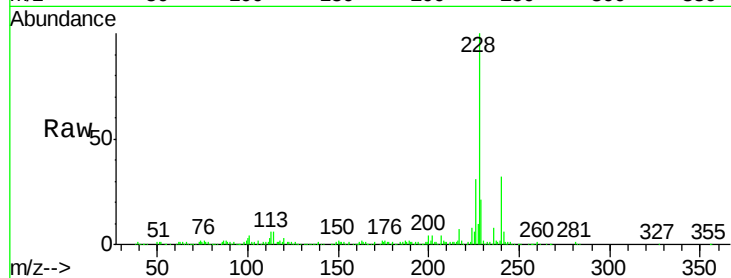




#80
Benzo(a)anthracene
Concen: 10.98 ng/ul
RT: 21.07 min Scan# 3091
Delta R.T. -0.00 min
Lab File: BM010667.D
Acq: 22 Jun 2017 19:33

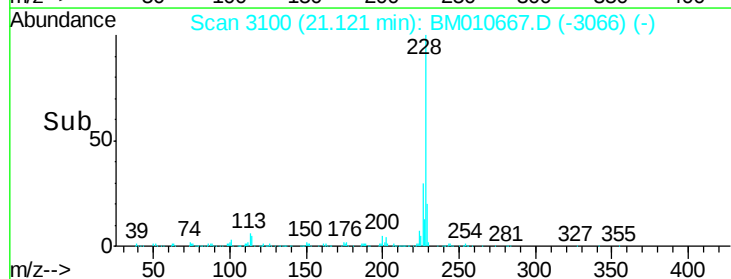
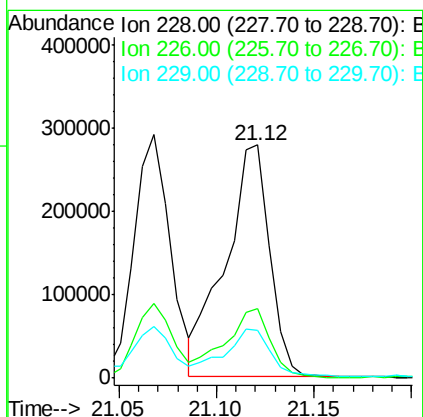
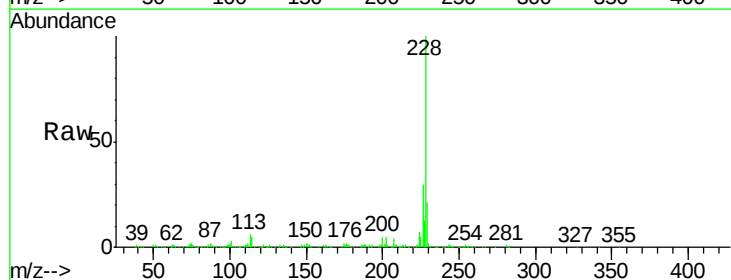
Instrument :
BNA_M
ClientSampleId :
F5C31ME

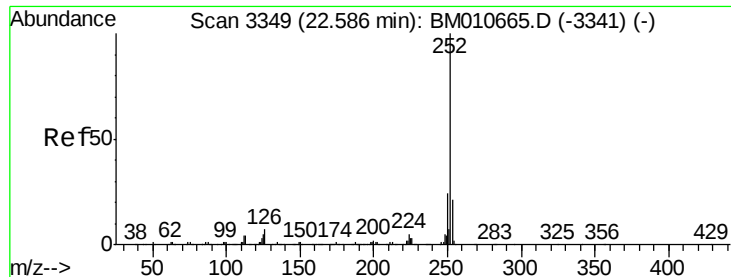
Tgt Ion:228 Resp: 380168
Ion Ratio Lower Upper
228 100
229 21.1 15.4 23.0
226 30.8 21.4 32.0



#82
Chrysene
Concen: 14.21 ng/ul
RT: 21.12 min Scan# 3100
Delta R.T. -0.00 min
Lab File: BM010667.D
Acq: 22 Jun 2017 19:33

Tgt Ion:228 Resp: 438455
Ion Ratio Lower Upper
228 100
226 29.9 23.4 35.2
229 20.5 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 21.74 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. 0.01 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F5C31ME

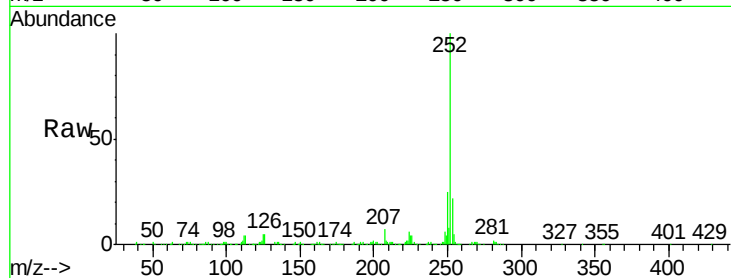
Tgt Ion:252 Resp: 660297

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

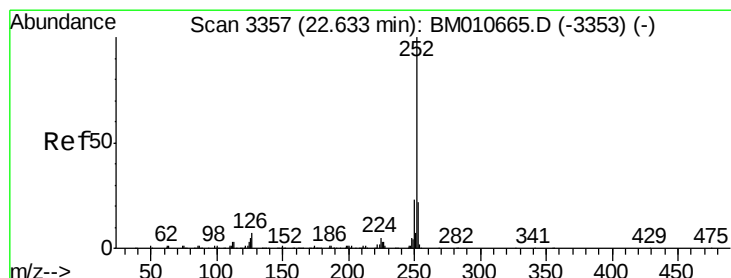
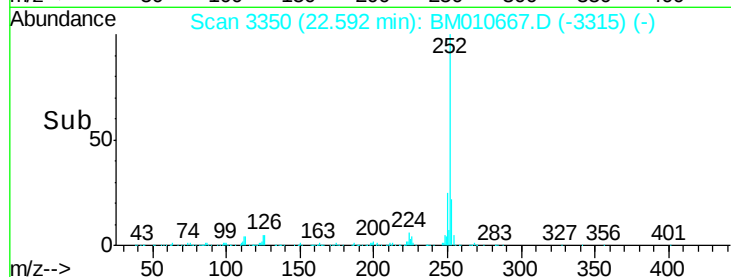
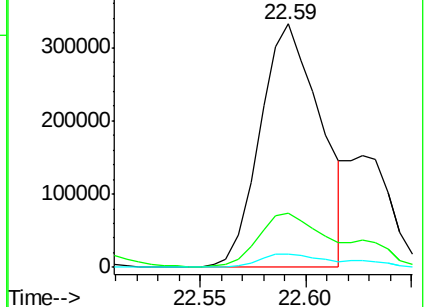
125 5.3 3.6 5.4



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: 22.93 ng/ul

RT: 22.59 min Scan# 3350

Delta R.T. -0.04 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

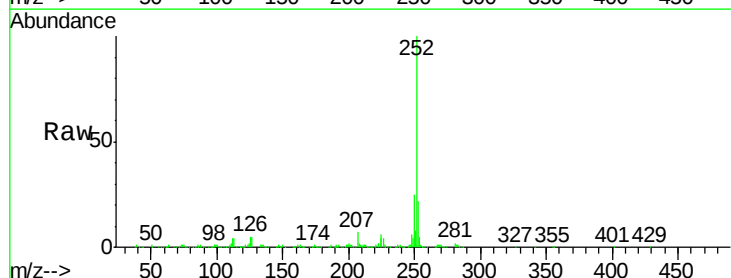
Tgt Ion:252 Resp: 660297

Ion Ratio Lower Upper

252 100

253 22.2 17.1 25.7

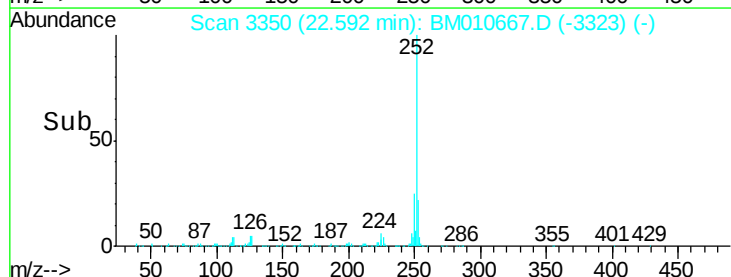
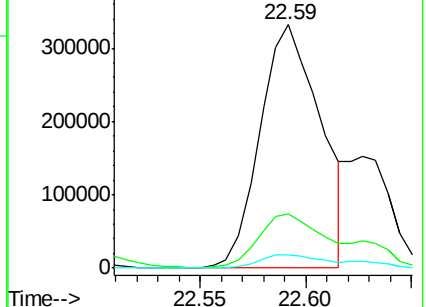
125 5.3 3.4 5.2#

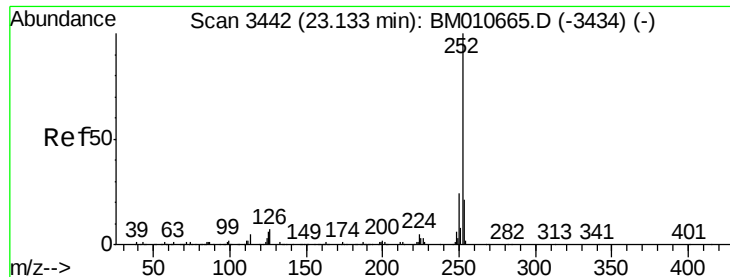


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 11.90 ng/u1

RT: 23.13 min Scan# 3442

Delta R.T. -0.00 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

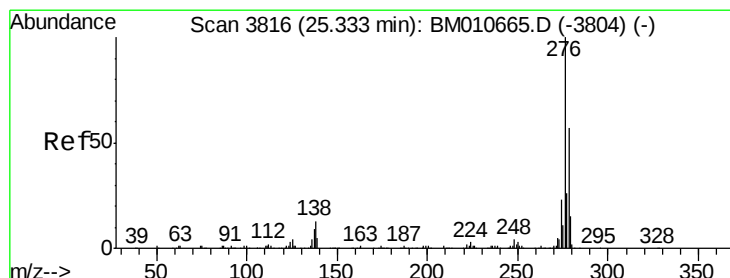
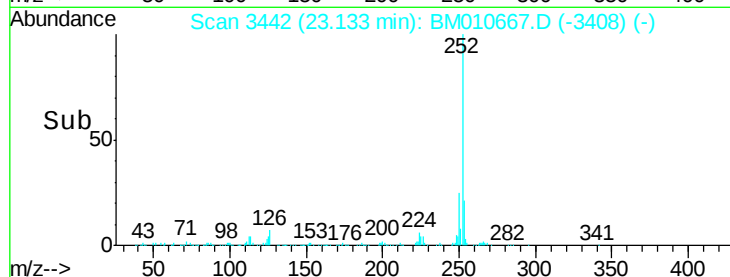
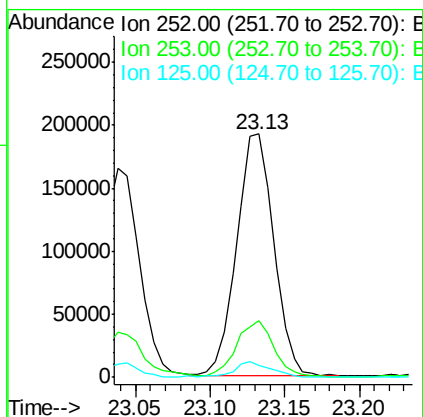
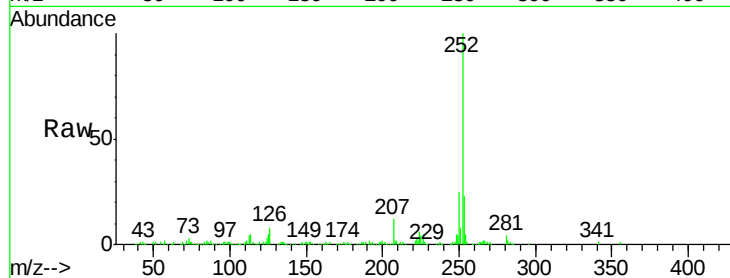
Instrument :

BNA_M

ClientSampleId :

F5C31ME

Tgt Ion:	252	Resp:	332859
Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	4.8	4.0	6.0



#89

Indeno(1,2,3-cd)pyrene

Concen: 6.94 ng/u1

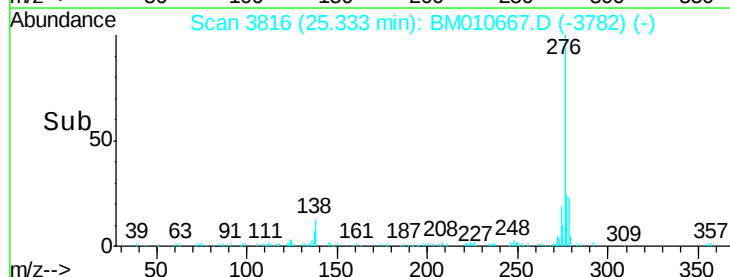
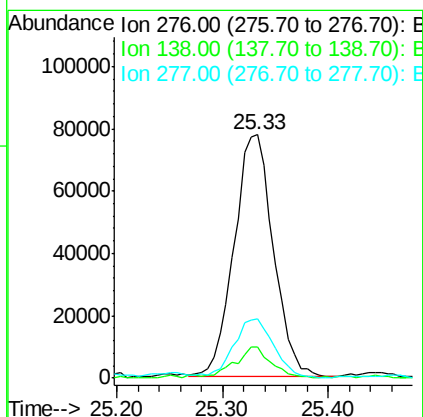
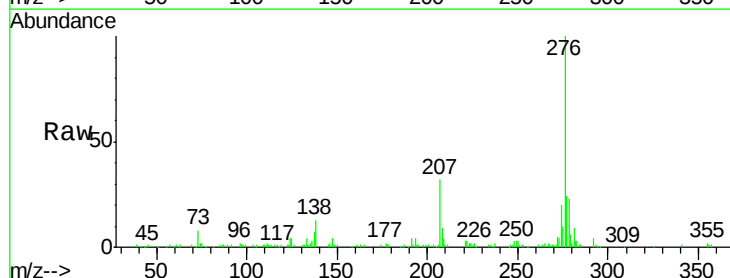
RT: 25.33 min Scan# 3816

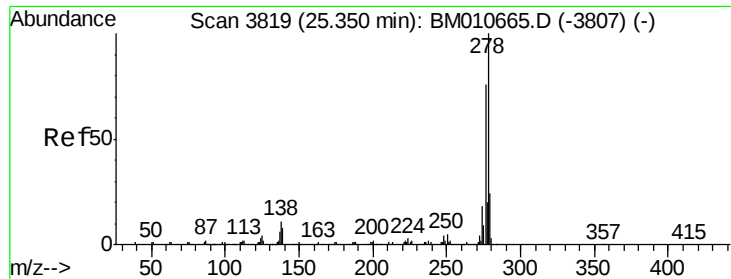
Delta R.T. -0.00 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

Tgt Ion:	276	Resp:	201296
Ion	Ratio	Lower	Upper
276	100		
138	12.6	9.3	13.9
277	24.3	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 2.35 ng/ul

RT: 25.34 min Scan# 3817

Delta R.T. -0.01 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F5C31ME

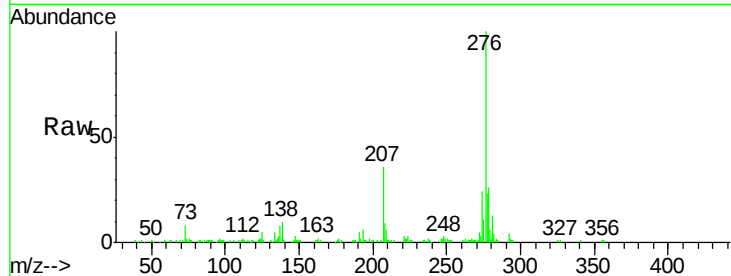
Tgt Ion:278 Resp: 56739

Ion Ratio Lower Upper

278 100

139 8.2 5.8 8.8

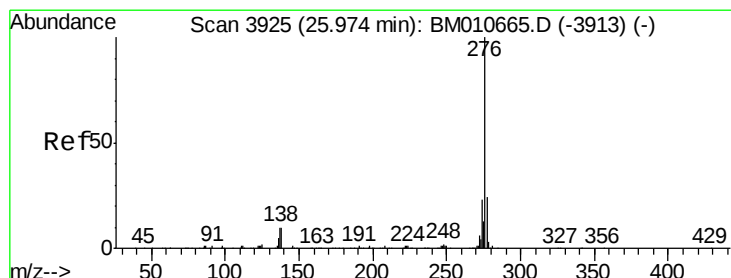
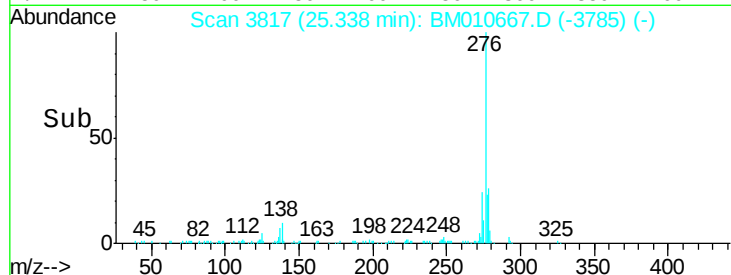
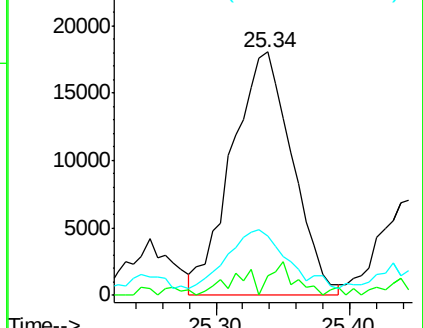
279 24.4 18.6 27.8



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: 6.16 ng/ul

RT: 25.98 min Scan# 3926

Delta R.T. 0.01 min

Lab File: BM010667.D

Acq: 22 Jun 2017 19:33

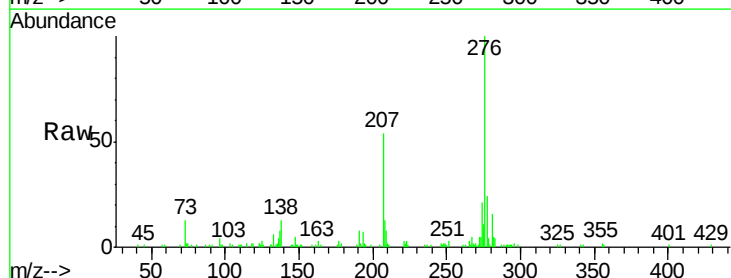
Tgt Ion:276 Resp: 142163

Ion Ratio Lower Upper

276 100

138 12.8 8.5 12.7#

277 24.1 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

