

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002181.D
 Acq On : 02 Aug 2015 22:29
 Operator : TP
 Sample : G3095-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Quant Time: Aug 03 02:09:54 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 03 02:05:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	94525	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	413603	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	253758	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	579969	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	610705	20.00	ng/ul	0.00
86) Perylene-d12	23.39	264	515705	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	3331	1.82	ng/uL	0.00
5) Phenol-d5	6.75	99	91117	13.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	47258	12.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	78779	13.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	75625	14.08	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	37913	12.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.44	143	43946	13.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	85460	13.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	61778	8.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	246863	13.28	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	309104	13.30	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	32022	10.32	ng/ul	0.00
58) Fluorene-d10	15.23	176	227466	13.91	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.37	200	9188	2.59	ng/ul	0.00
71) Anthracene-d10	17.08	188	344661	13.31	ng/ul	0.00
79) Pyrene-d10	19.39	212	381236	14.83	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.25	264	319807	12.79	ng/ul	0.02

Target Compounds

					Qvalue
28) Naphthalene	10.39	128	22944	1.17 ng/ul	96
34) 2-Methylnaphthalene	12.02	142	17376	1.22 ng/ul	93
45) Dimethylphthalate	13.69	163	101147	5.45 ng/ul	99
48) Acenaphthylene	13.95	152	45213	1.89 ng/ul#	91
50) Acenaphthene	14.29	153	48528	3.09 ng/ul	97
54) Dibenzofuran	14.63	168	29622	1.31 ng/ul	96
59) Fluorene	15.28	166	48982	2.63 ng/ul	98
70) Phenanthrene	17.03	178	959401	31.94 ng/ul	100
72) Anthracene	17.12	178	233214	7.59 ng/ul	99
75) Carbazole	17.39	167	62652	2.39 ng/ul	96
77) Fluoranthene	19.06	202	2265121	65.30 ng/ul	99
80) Pyrene	19.42	202	2211678	66.55 ng/ul	99
83) Benzo(a)anthracene	21.17	228	1199267	35.42 ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.10	149	117421	6.04 ng/ul	99
85) Chrysene	21.23	228	1088801	34.38 ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	1295784	44.72 ng/ul#	96
89) Benzo(k)fluoranthene	22.73	252	693148	24.79 ng/ul#	97
91) Benzo(a)pyrene	23.30	252	887167	31.72 ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.59	276	549191	17.04 ng/ul	97
93) Dibenzo(a,h)anthracene	25.59	278	147635	5.35 ng/ul#	89
94) Benzo(g,h,i)perylene	26.27	276	504953	18.69 ng/ul	97

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01Q6

Quant Time: Aug 03 02:09:54 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

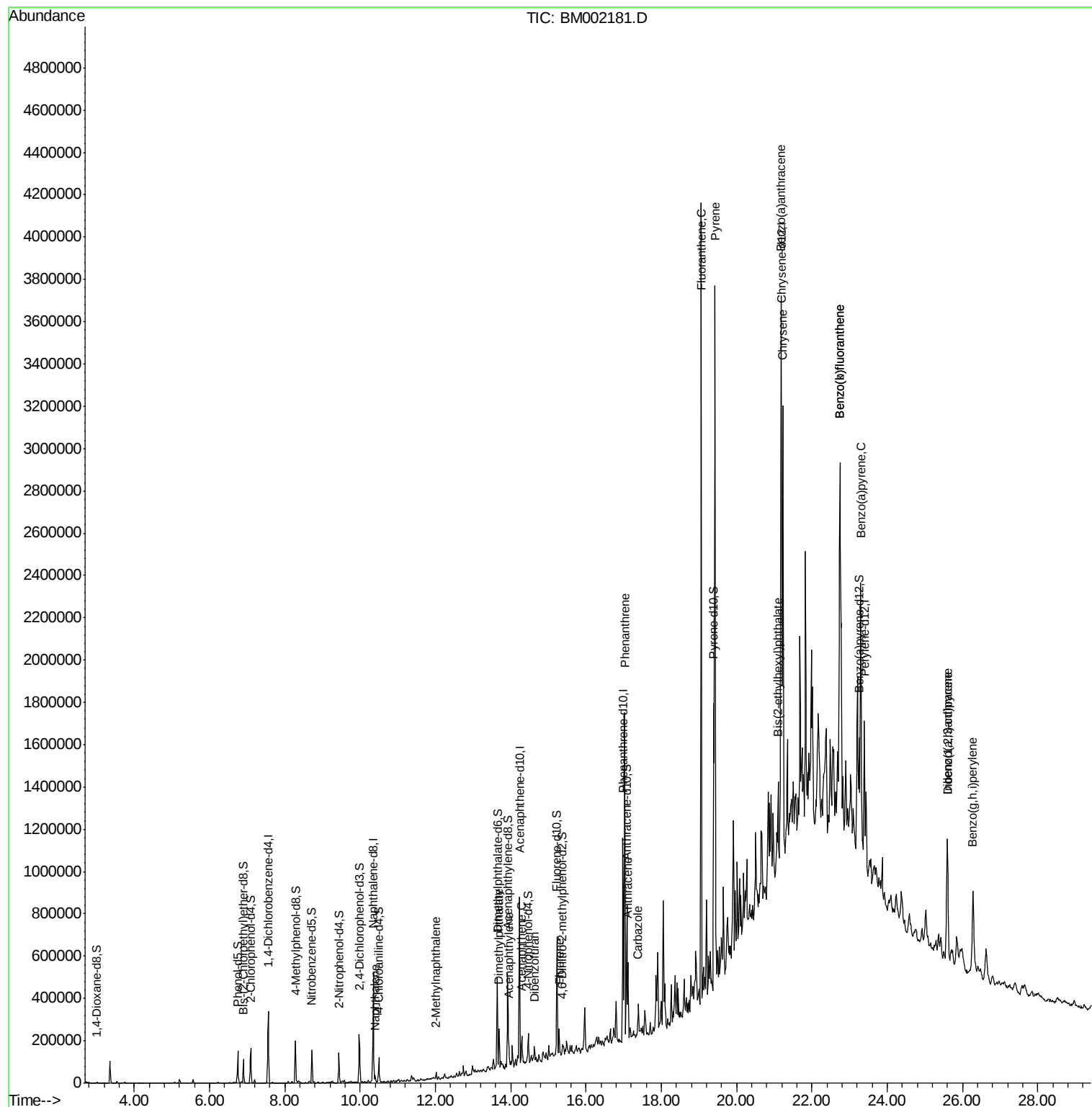
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

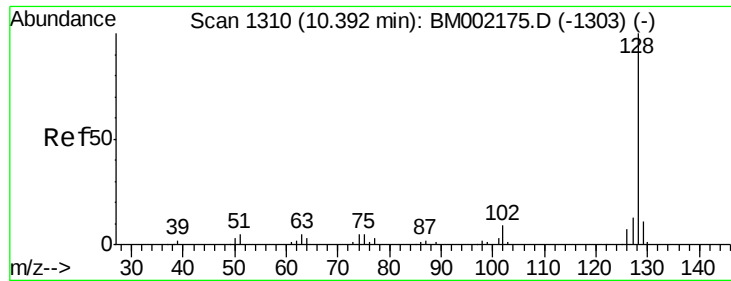
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
Data File : BM002181.D
Acq On : 02 Aug 2015 22:29
Operator : TP
Sample : G3095-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C01Q6

Quant Time: Aug 03 02:09:54 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 03 02:05:53 2015
Response via : Initial Calibration

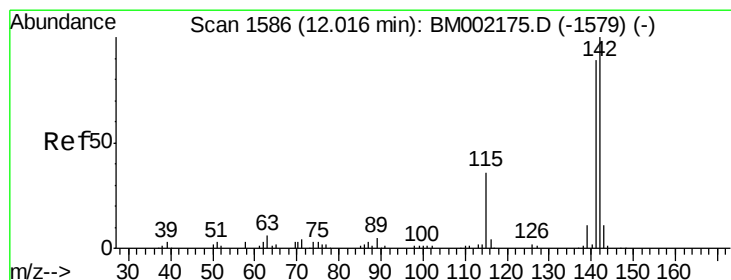
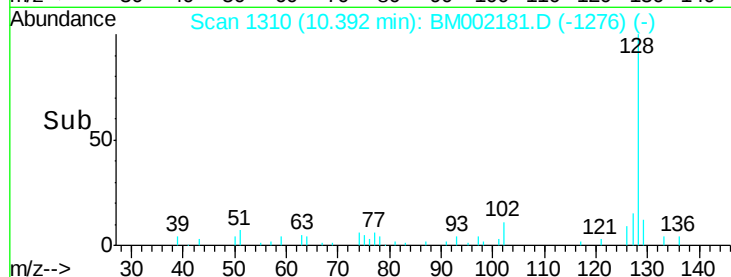
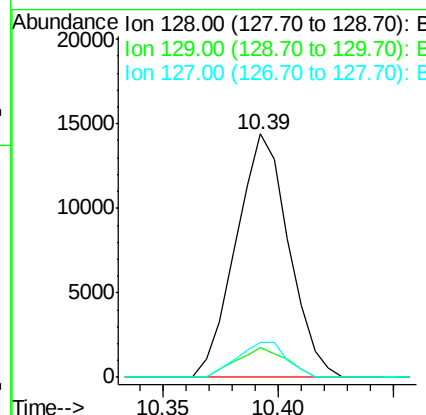
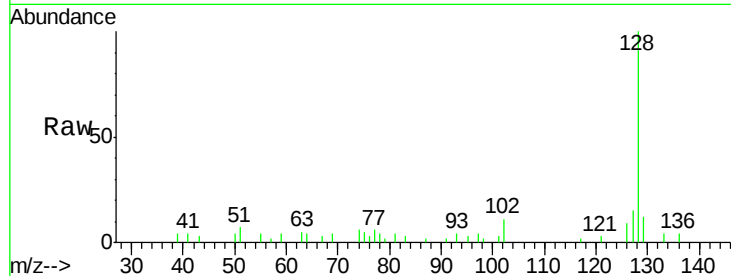




#28
Naphthalene
Concen: 1.17 ng/ul
RT: 10.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

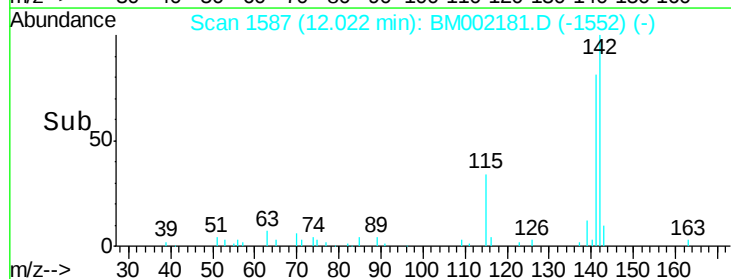
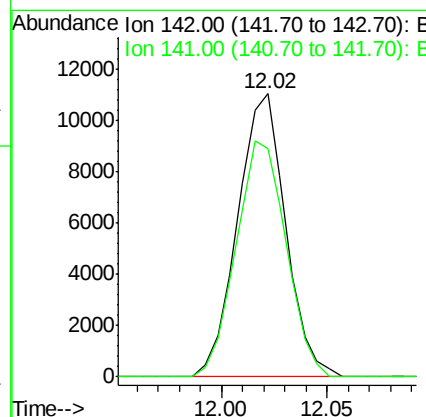
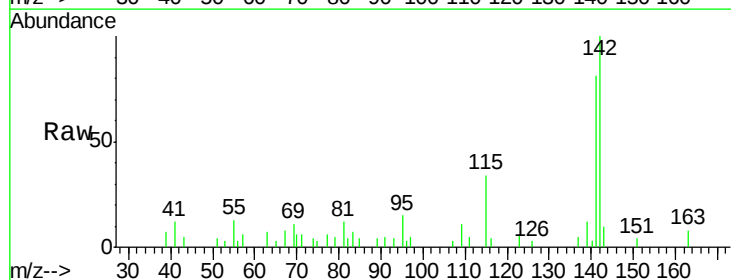
Instrument :
BNA_M
ClientSampleId :
C01Q6

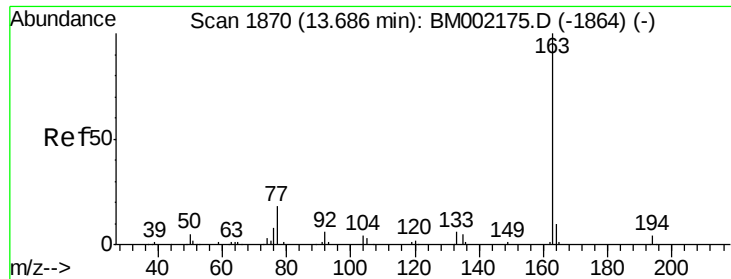
Tgt Ion:128 Resp: 22944
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.4
127 14.6 10.2 15.4



#34
2-Methylnaphthalene
Concen: 1.22 ng/ul
RT: 12.02 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion:142 Resp: 17376
Ion Ratio Lower Upper
142 100
141 80.8 69.8 104.6





#45

Dimethylphthalate

Concen: 5.45 ng/ul

RT: 13.69 min Scan# 1870

Delta R.T. 0.00 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

ClientSampleId :

C01Q6

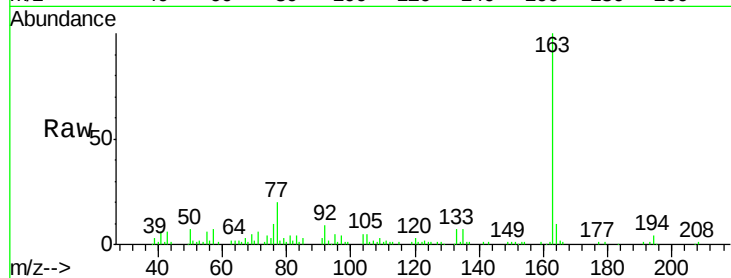
Tgt Ion:163 Resp: 101147

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

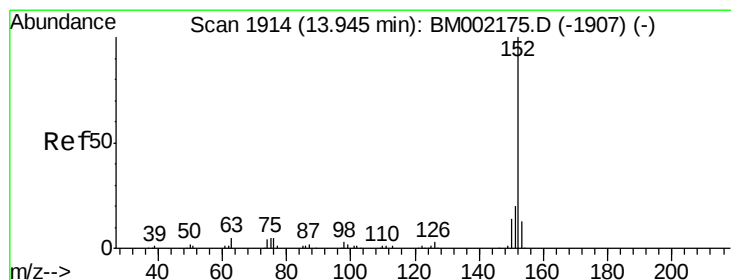
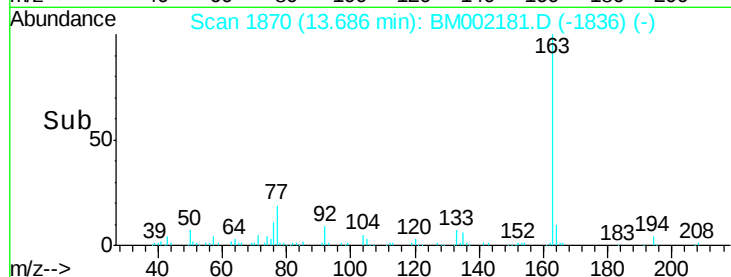
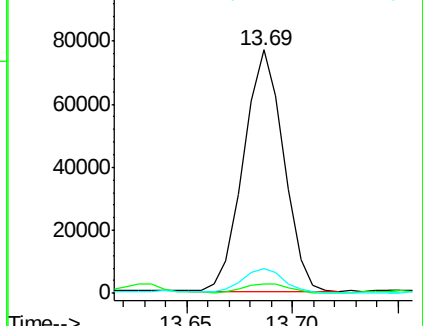
164 10.1 8.0 12.0



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



#48

Acenaphthylene

Concen: 1.89 ng/ul

RT: 13.95 min Scan# 1914

Delta R.T. 0.00 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

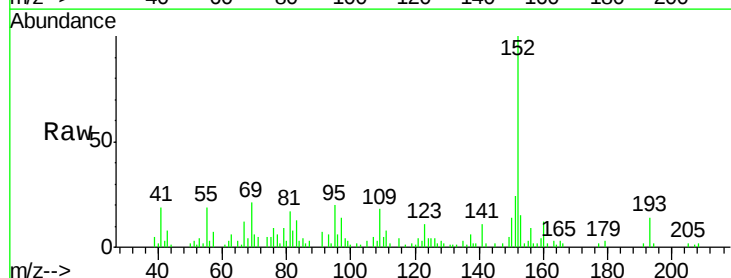
Tgt Ion:152 Resp: 45213

Ion Ratio Lower Upper

152 100

151 24.1 15.6 23.4#

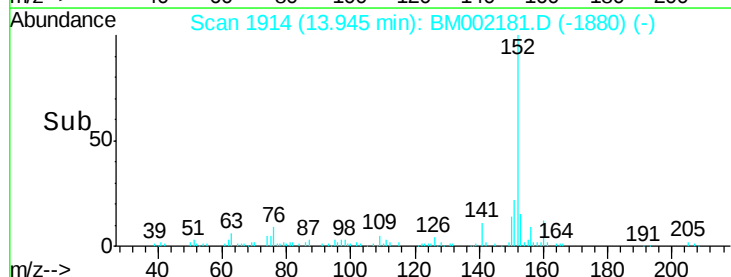
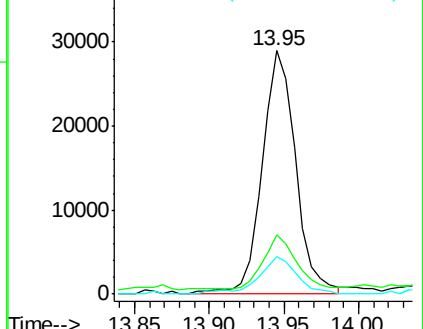
153 15.5 10.3 15.5

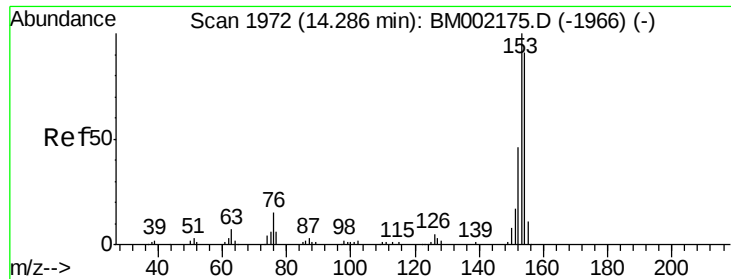


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 3.09 ng/ul

RT: 14.29 min Scan# 1973

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

ClientSampleId :

C01Q6

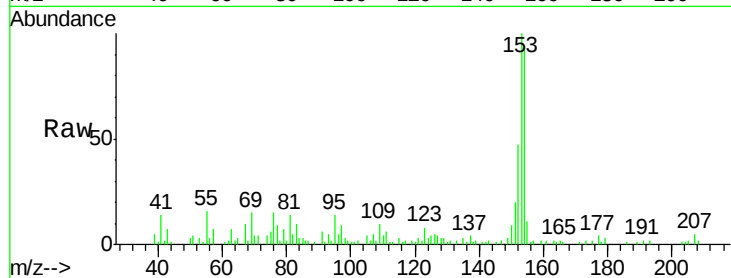
Tgt Ion:153 Resp: 48528

Ion Ratio Lower Upper

153 100

152 47.3 37.3 55.9

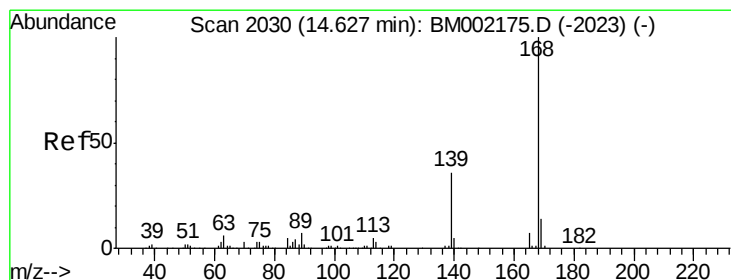
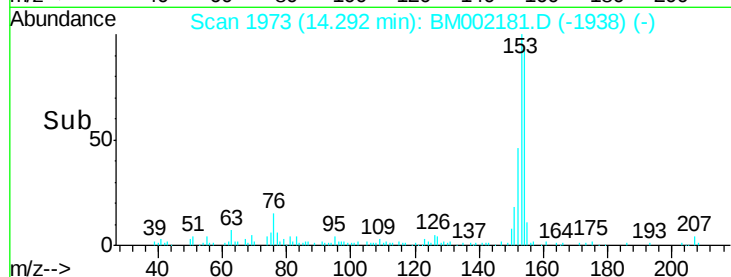
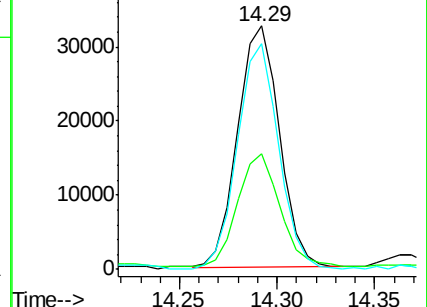
154 92.7 71.4 107.2



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



#54

Dibenzofuran

Concen: 1.31 ng/ul

RT: 14.63 min Scan# 2030

Delta R.T. 0.00 min

Lab File: BM002181.D

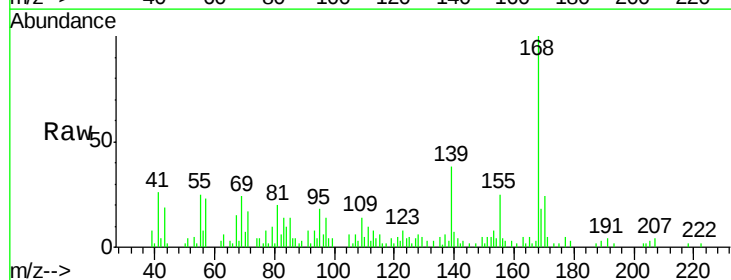
Acq: 02 Aug 2015 22:29

Tgt Ion:168 Resp: 29622

Ion Ratio Lower Upper

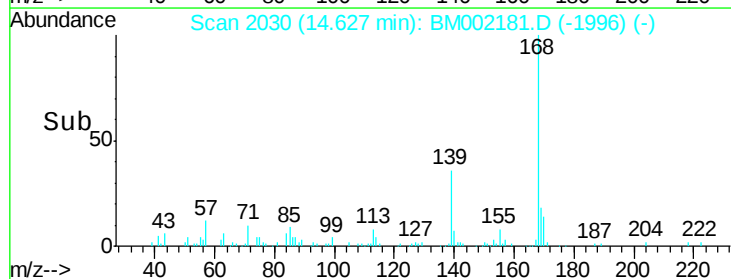
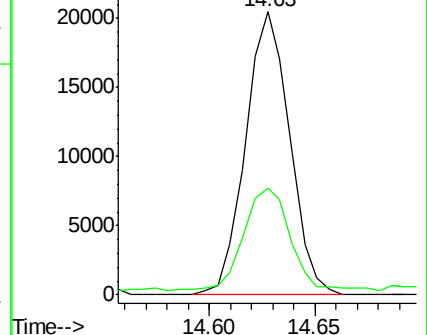
168 100

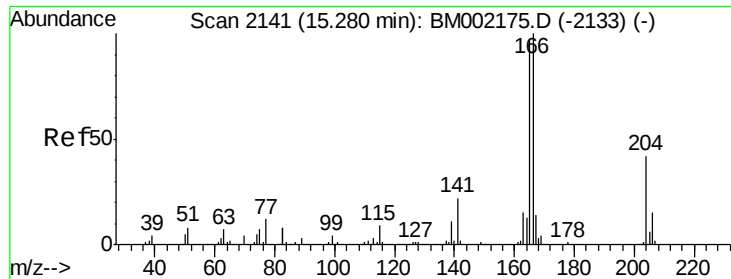
139 37.8 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.63 ng/ul

RT: 15.28 min Scan# 2141

Delta R.T. 0.00 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

ClientSampleId :

C01Q6

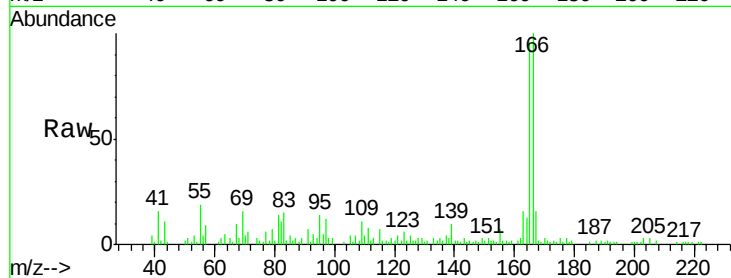
Tgt Ion:166 Resp: 48982

Ion Ratio Lower Upper

166 100

165 95.7 75.6 113.4

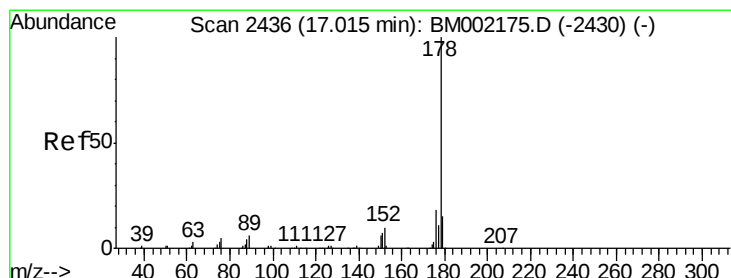
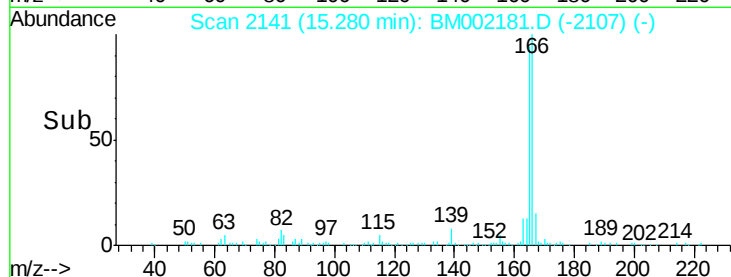
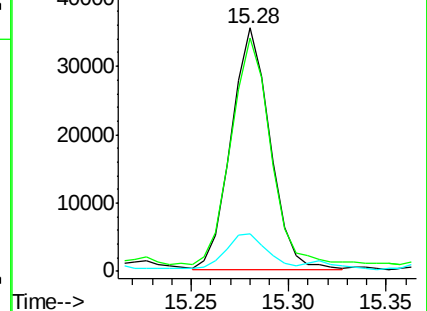
167 15.7 10.5 15.7



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



#70

Phenanthrene

Concen: 31.94 ng/ul

RT: 17.03 min Scan# 2438

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

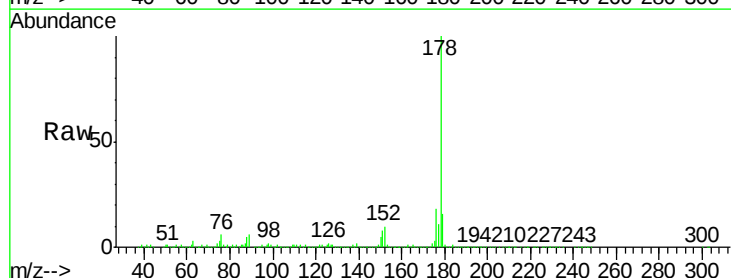
Tgt Ion:178 Resp: 959401

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

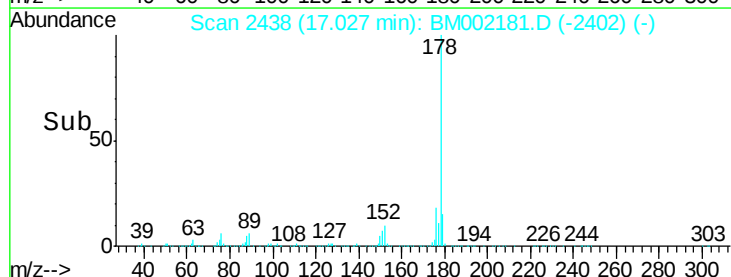
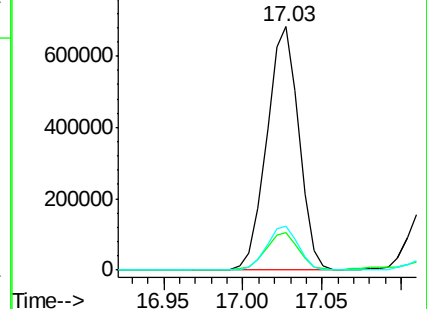
176 18.0 14.2 21.4

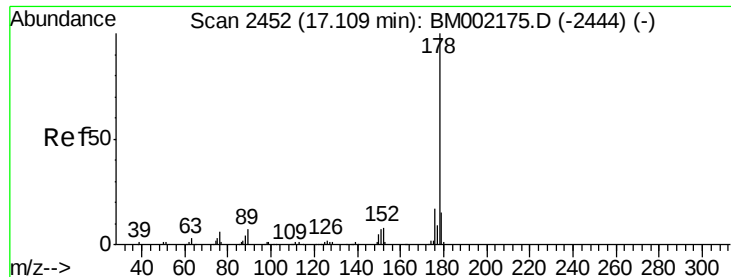


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.59 ng/ul

RT: 17.12 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

ClientSampleId :

C01Q6

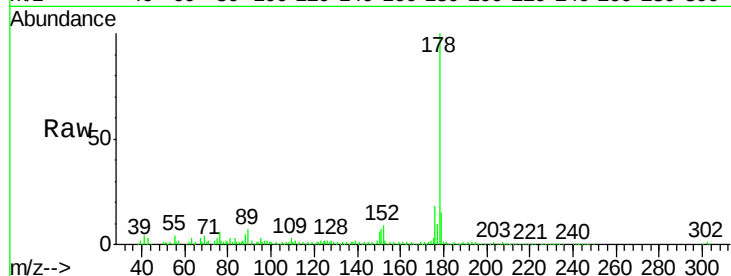
Tgt Ion:178 Resp: 233214

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

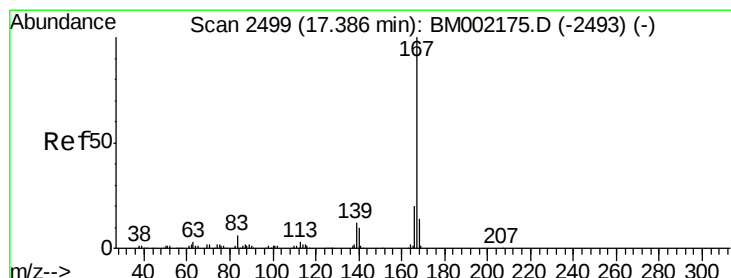
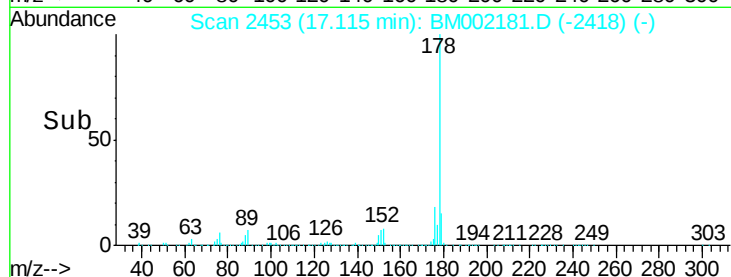
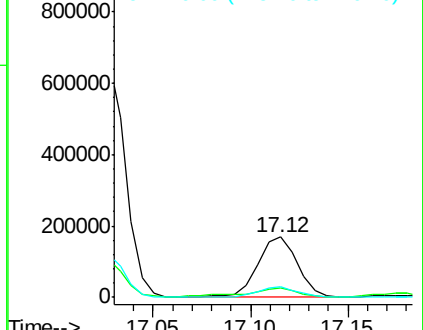
176 18.0 14.1 21.1



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



#75

Carbazole

Concen: 2.39 ng/ul

RT: 17.39 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

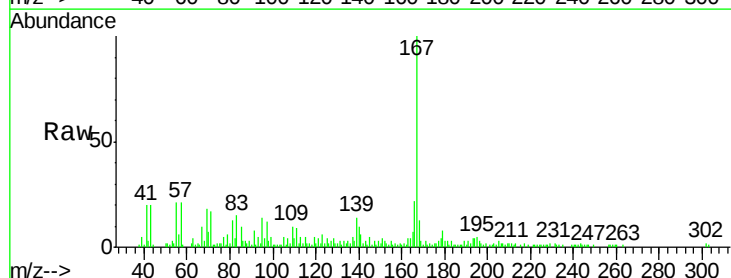
Tgt Ion:167 Resp: 62652

Ion Ratio Lower Upper

167 100

166 21.6 16.2 24.4

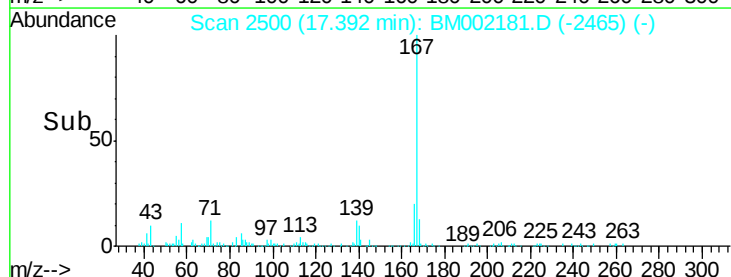
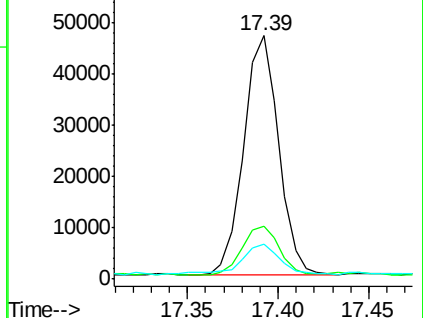
139 14.1 9.6 14.4

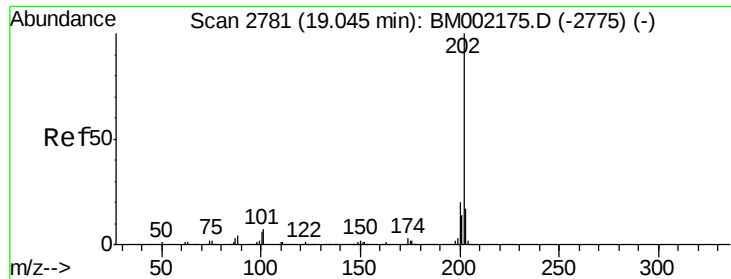


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

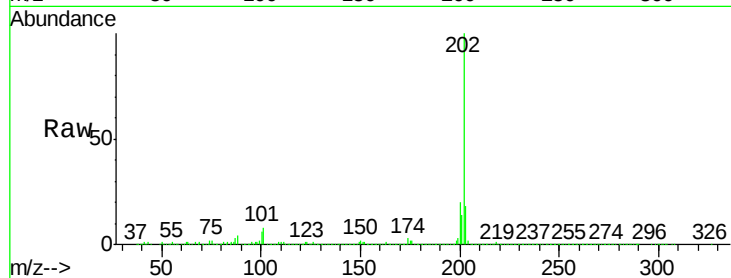




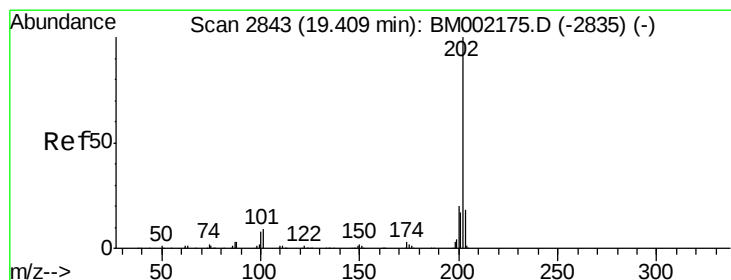
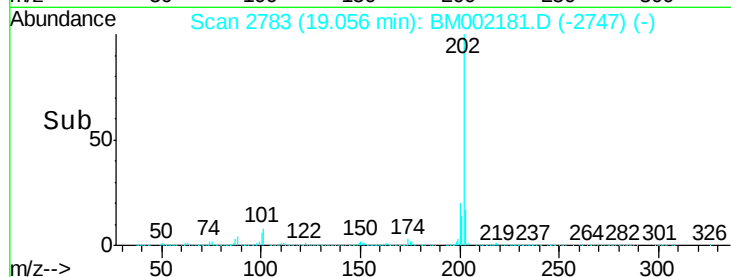
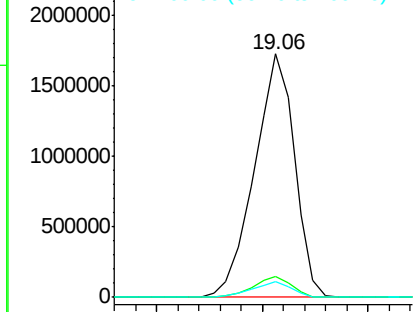
#77
Fluoranthene
 Concen: 65.30 ng/ul
 RT: 19.06 min Scan# 2783
 Delta R.T. 0.01 min
 Lab File: BM002181.D
 Acq: 02 Aug 2015 22:29

Instrument :
 BNA_M
 ClientSampleId :
 C01Q6

Tgt Ion:202 Resp: 2265121
 Ion Ratio Lower Upper
 202 100
 101 8.4 6.2 9.4
 100 6.5 5.2 7.8

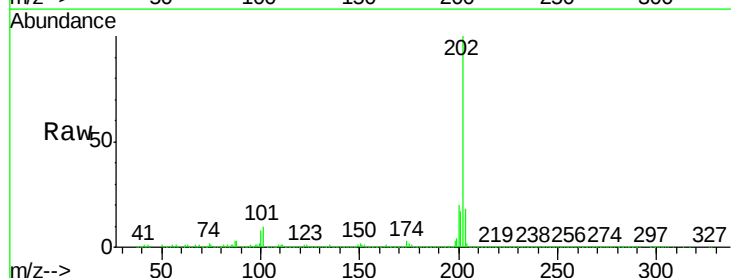


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

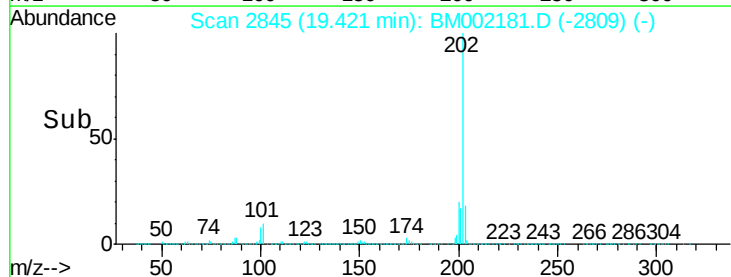
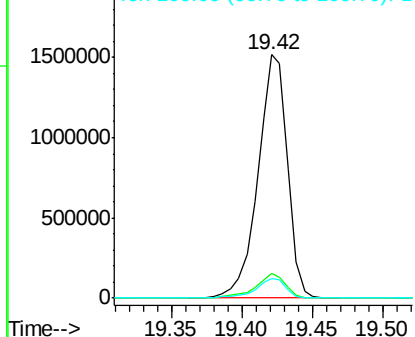


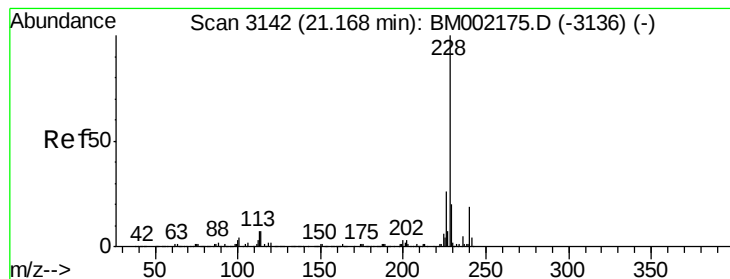
#80
Pyrene
 Concen: 66.55 ng/ul
 RT: 19.42 min Scan# 2845
 Delta R.T. 0.01 min
 Lab File: BM002181.D
 Acq: 02 Aug 2015 22:29

Tgt Ion:202 Resp: 2211678
 Ion Ratio Lower Upper
 202 100
 101 10.0 7.4 11.2
 100 8.2 6.3 9.5



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





#83

Benzo(a)anthracene

Concen: 35.42 ng/ul

RT: 21.17 min Scan# 3143

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

ClientSampleId :

C01Q6

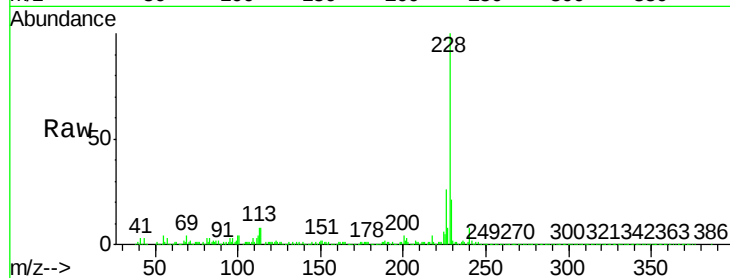
Tgt Ion:228 Resp: 1199267

Ion Ratio Lower Upper

228 100

229 20.6 15.4 23.2

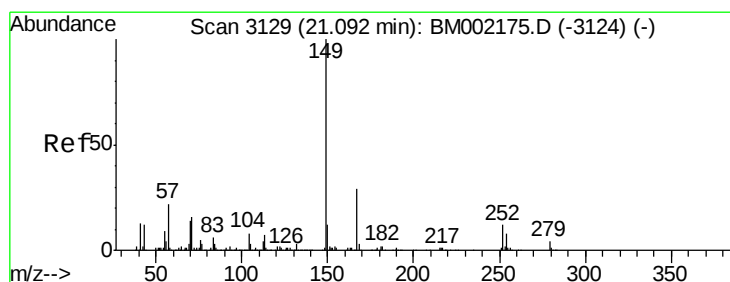
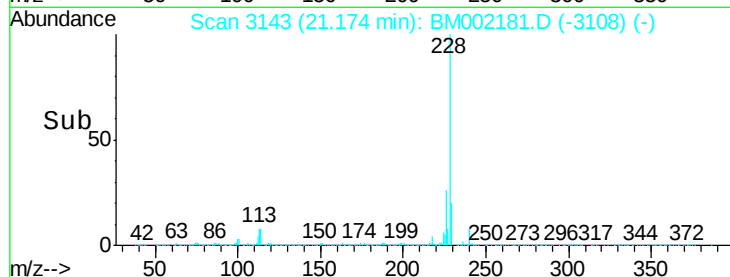
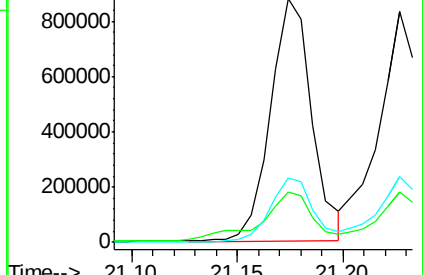
226 26.4 20.5 30.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.04 ng/ul

RT: 21.10 min Scan# 3130

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

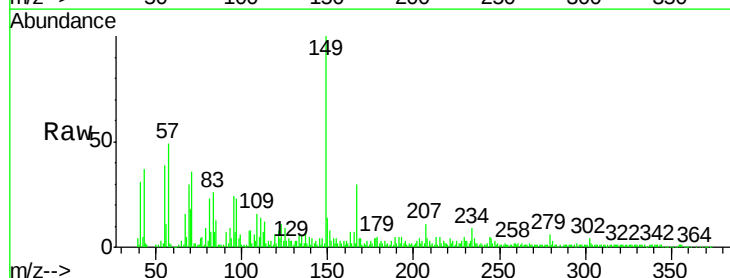
Tgt Ion:149 Resp: 117421

Ion Ratio Lower Upper

149 100

167 30.1 23.6 35.4

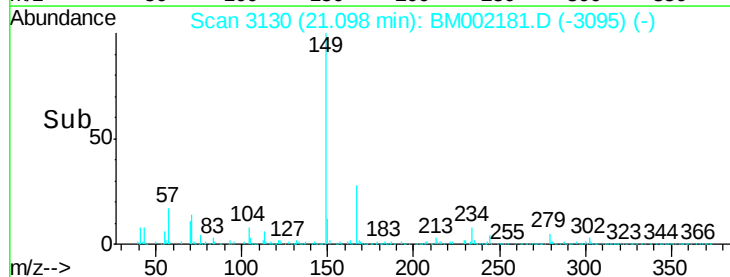
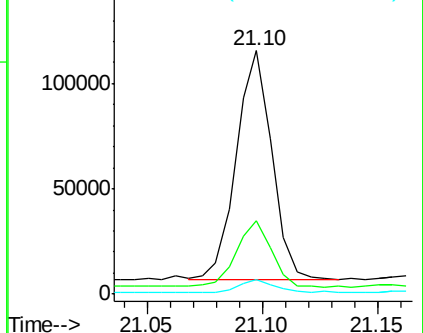
279 5.9 4.2 6.4

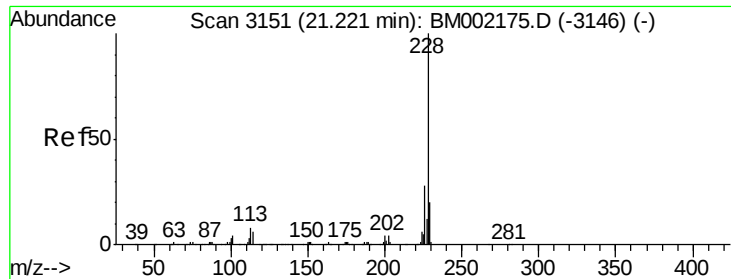


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

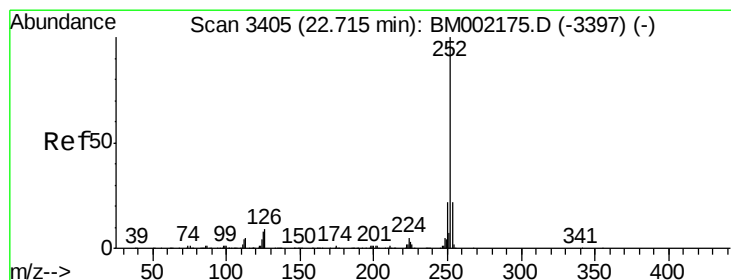
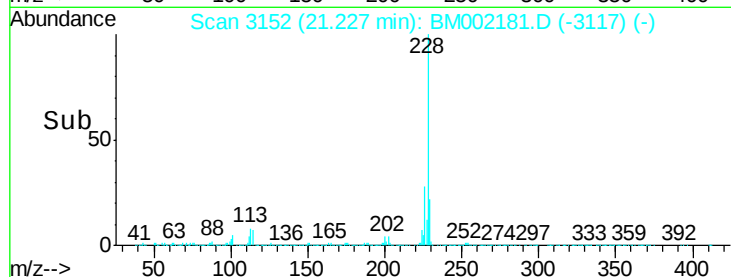
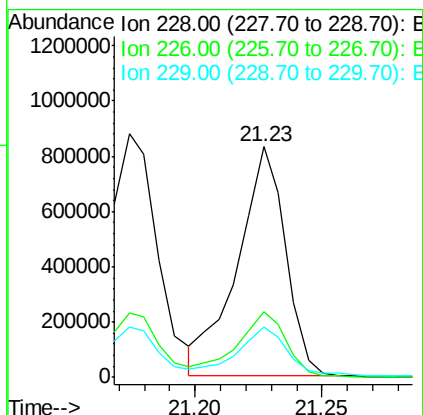
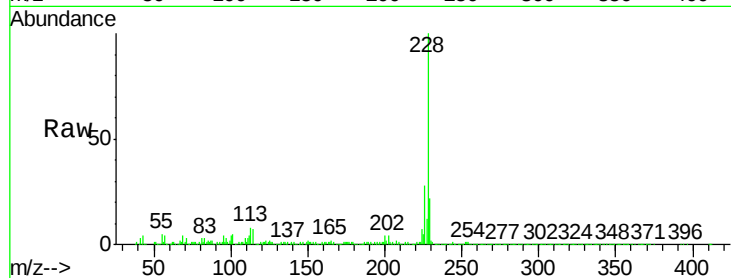




#85
Chrysene
Concen: 34.38 ng/ul
RT: 21.23 min Scan# 3152
Delta R.T. 0.01 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

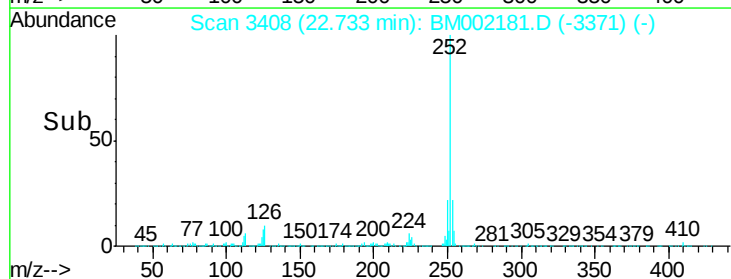
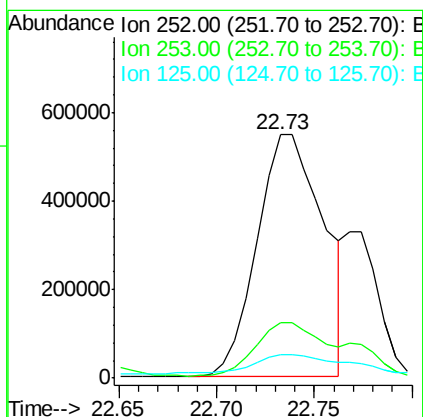
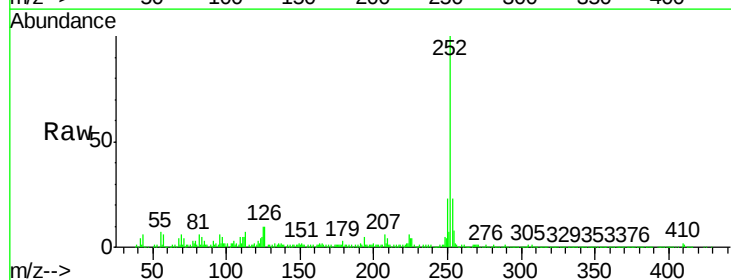
Instrument :
BNA_M
ClientSampleId :
C01Q6

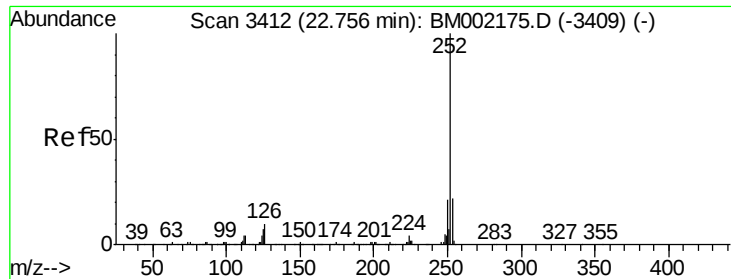
Tgt Ion:228 Resp: 1088801
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 22.0 15.5 23.3



#88
Benzo(b)fluoranthene
Concen: 44.72 ng/ul
RT: 22.73 min Scan# 3408
Delta R.T. 0.02 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion:252 Resp: 1295784
Ion Ratio Lower Upper
252 100
253 22.9 16.9 25.3
125 9.7 6.2 9.2#

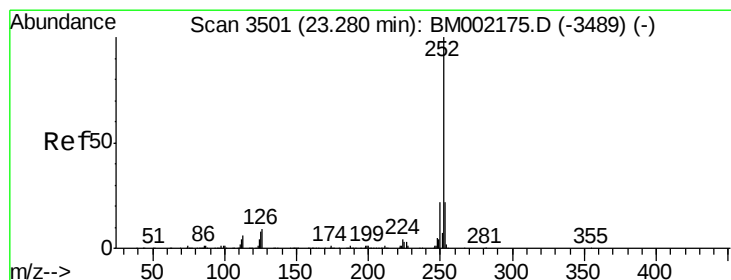
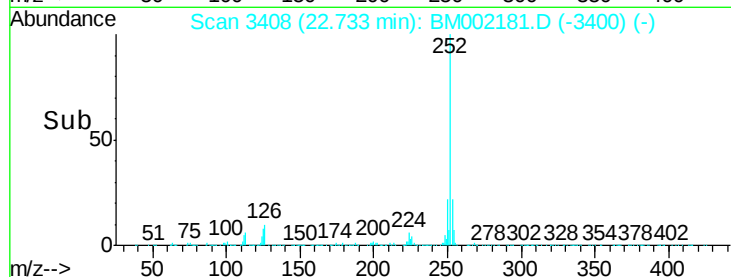
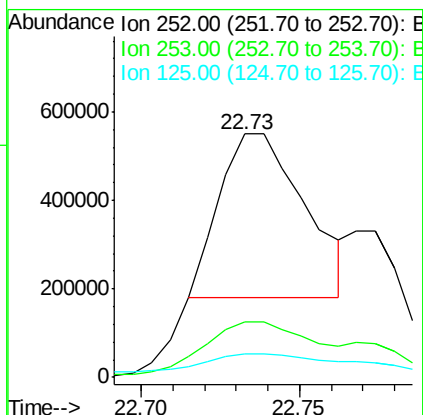
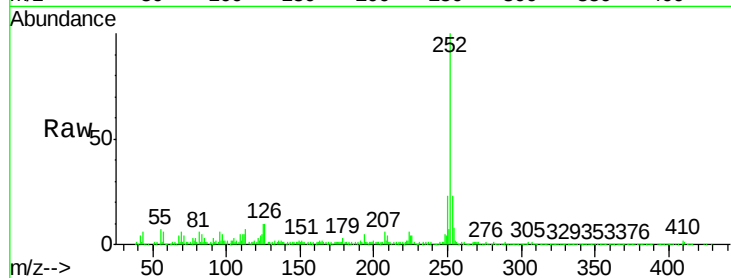




#89
Benzo(k)fluoranthene
Concen: 24.79 ng/ul
RT: 22.73 min Scan# 3408
Delta R.T. -0.02 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

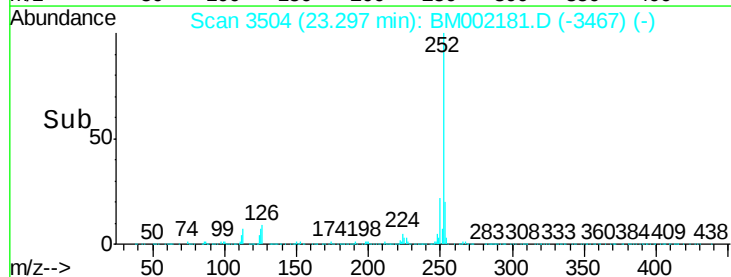
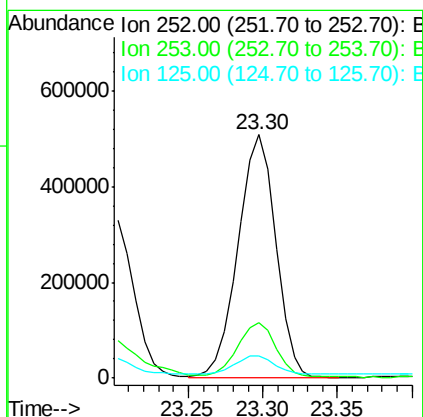
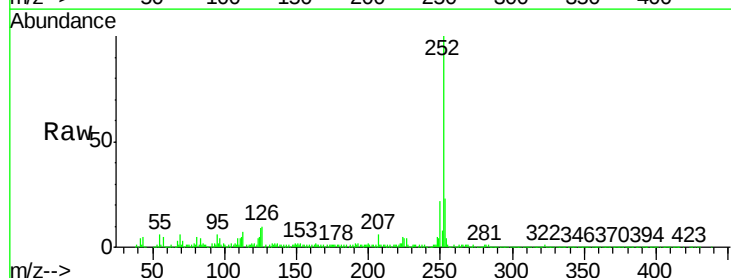
Instrument :
BNA_M
ClientSampleId :
C01Q6

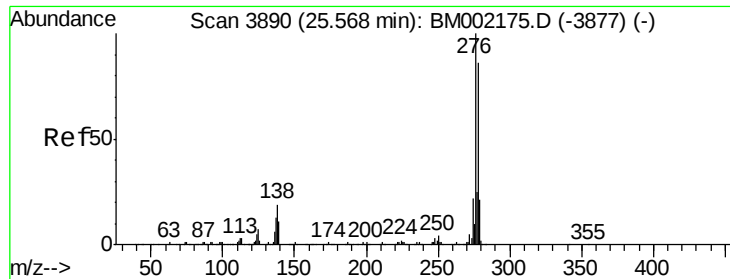
Tgt Ion:252 Resp: 693148
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 9.7 6.2 9.4#



#91
Benzo(a)pyrene
Concen: 31.72 ng/ul
RT: 23.30 min Scan# 3504
Delta R.T. 0.02 min
Lab File: BM002181.D
Acq: 02 Aug 2015 22:29

Tgt Ion:252 Resp: 887167
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 9.2 6.6 10.0





#92

Indeno(1,2,3-cd)pyrene

Concen: 17.04 ng/ul

RT: 25.59 min Scan# 3894

Delta R.T. 0.02 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

ClientSampleId :

C01Q6

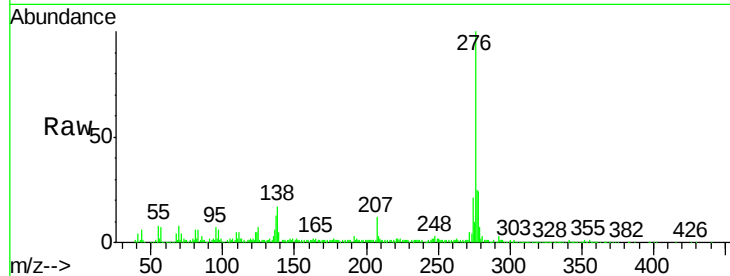
Tgt Ion:276 Resp: 549191

Ion Ratio Lower Upper

276 100

138 16.9 16.2 24.2

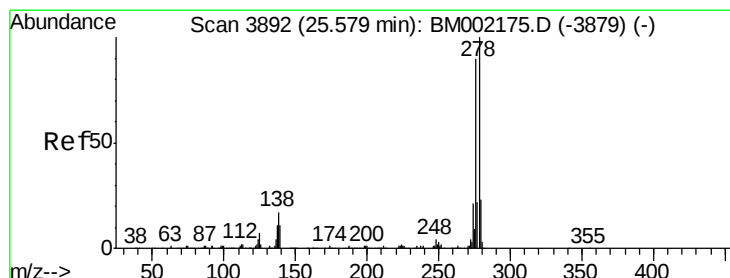
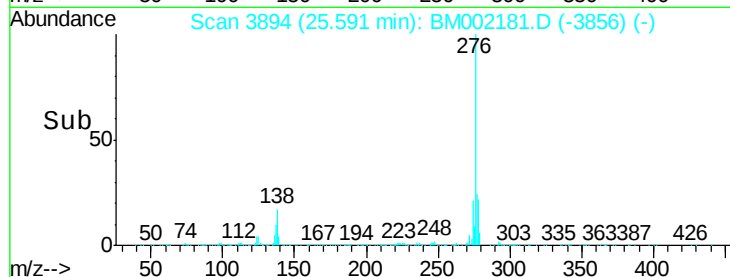
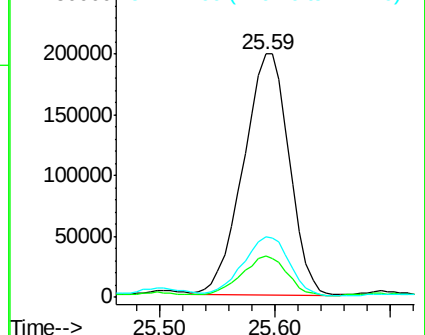
277 24.7 19.8 29.8



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



#93

Dibenzo(a,h)anthracene

Concen: 5.35 ng/ul

RT: 25.59 min Scan# 3894

Delta R.T. 0.01 min

Lab File: BM002181.D

Acq: 02 Aug 2015 22:29

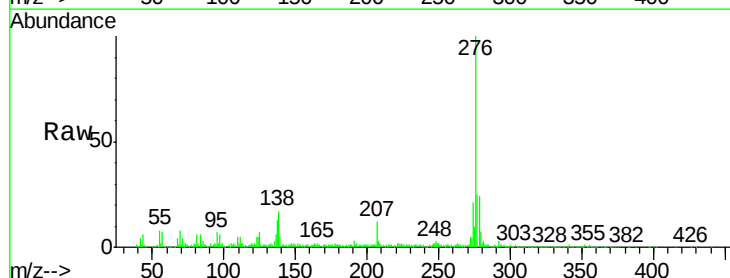
Tgt Ion:278 Resp: 147635

Ion Ratio Lower Upper

278 100

139 19.4 10.6 16.0#

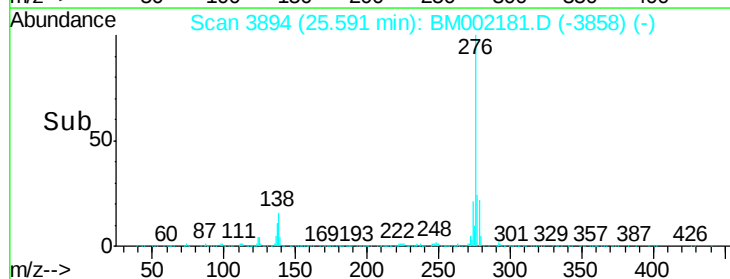
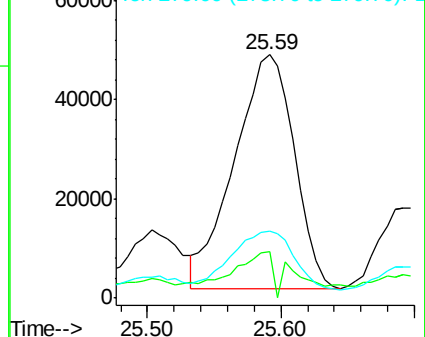
279 27.5 18.5 27.7

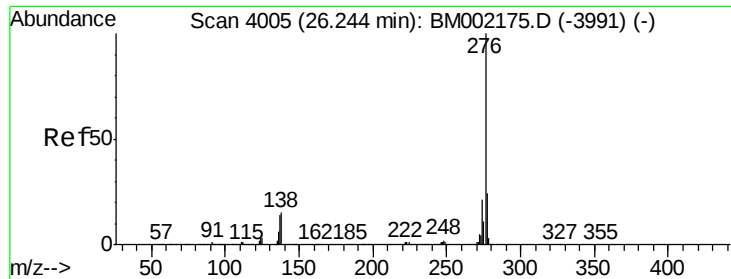


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 18.69 ng/ul

RT: 26.27 min Scan# 4010

Delta R.T. 0.03 min

Lab File: BM002181.D

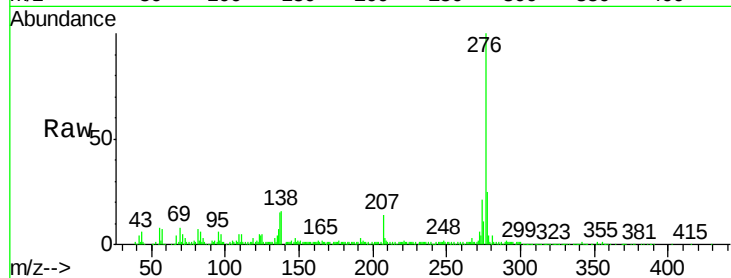
Acq: 02 Aug 2015 22:29

Instrument :

BNA_M

ClientSampleId :

C01Q6



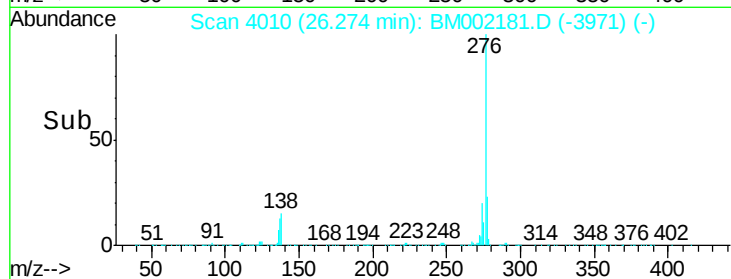
Tgt Ion:276 Resp: 504953

Ion Ratio Lower Upper

276 100

138 15.9 13.8 20.6

277 24.5 18.2 27.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

