

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080215\
 Data File : BM002176.D
 Acq On : 02 Aug 2015 19:27
 Operator : TP
 Sample : G3073-18
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02G3

Quant Time: Aug 03 02:08:18 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	7.55	152	80680	20.00	ng/ul	0.00
18) Naphthalene-d8	10.34	136	340189	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	210159	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	474297	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	486083	20.00	ng/ul	0.00
86) Perylene-d12	23.38	264	408100	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.01	96	2474	1.59	ng/uL	0.00
5) Phenol-d5	6.73	99	66534	11.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.89	67	36000	11.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	56651	11.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	56291	12.28	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	28340	11.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	32607	12.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	61665	11.92	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	45031	7.92	ng/ul	0.00
44) Dimethylphthalate-d6	13.63	166	193883	12.60	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	231373	12.02	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	17218	6.70	ng/ul	0.00
58) Fluorene-d10	15.22	176	167537	12.37	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	22232	7.66	ng/ul	0.00
71) Anthracene-d10	17.07	188	255472	12.07	ng/ul	0.00
79) Pyrene-d10	19.39	212	269817	13.18	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.24	264	217449	10.99	ng/ul	0.01

Target Compounds

						Qvalue
4) Benzaldehyde	6.70	77	5328	1.74	ng/ul#	1
17) Hexachloroethane	8.65	117	7693	3.84	ng/ul#	1
28) Naphthalene	10.39	128	44916	2.78	ng/ul	97
32) Caprolactam	11.26	113	2756	1.96	ng/ul#	66
34) 2-Methylnaphthalene	12.02	142	23223	1.97	ng/ul	98
35) 1-Methylnaphthalene	12.02	142	23223	2.05	ng/ul	94
45) Dimethylphthalate	13.68	163	87128	5.67	ng/ul	99
50) Acenaphthene	14.29	153	122975	9.45	ng/ul	98
54) Dibenzofuran	14.62	168	100021	5.36	ng/ul	96
59) Fluorene	15.27	166	128893	8.35	ng/ul	98
70) Phenanthrene	17.03	178	2149462	87.49	ng/ul	99
72) Anthracene	17.11	178	440077	17.52	ng/ul	99
75) Carbazole	17.39	167	225069	10.49	ng/ul	98
77) Fluoranthene	19.06	202	2897374	102.14	ng/ul	99
80) Pyrene	19.42	202	2444432	92.42	ng/ul	99
83) Benzo(a)anthracene	21.17	228	1069476	39.69	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.10	149	111282	7.19	ng/ul	97
85) Chrysene	21.23	228	994150	39.43	ng/ul	96
88) Benzo(b)fluoranthene	22.73	252	1107902	48.31	ng/ul#	96
89) Benzo(k)fluoranthene	22.73	252	909468	41.10	ng/ul#	97
91) Benzo(a)pyrene	23.29	252	783460	35.39	ng/ul#	97
92) Indeno(1,2,3-cd)pyrene	25.58	276	482305	18.91	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.58	278	122496	5.61	ng/ul#	92

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Response via : Initial Calibration

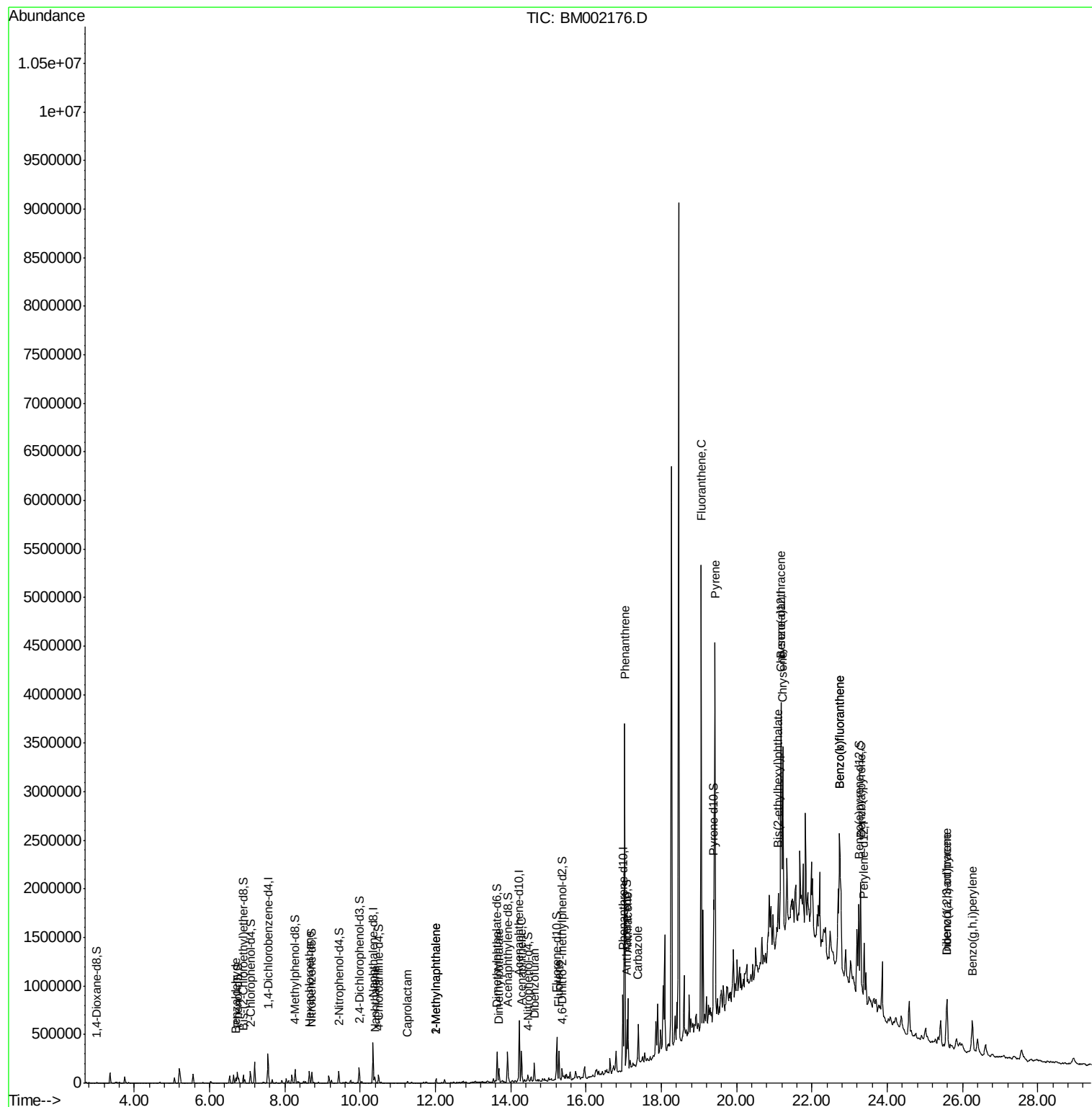
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(g,h,i)perylene	26.26	276	409168	19.14	ng/ul	96

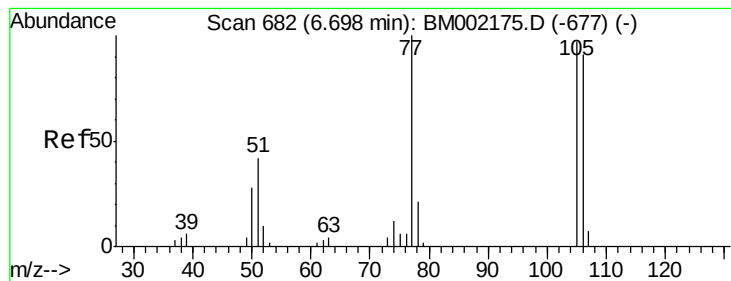
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 03 02:05:53 2015
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#4

Benzaldehyde

Concen: 1.74 ng/ul

RT: 6.70 min Scan# 682

Delta R.T. 0.00 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

Instrument :

BNA_M

ClientSampled :

C02G3

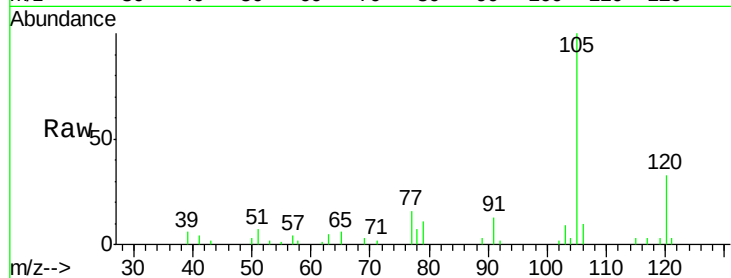
Tgt Ion: 77 Resp: 5328

Ion Ratio Lower Upper

77 100

105 622.3 78.5 117.7#

106 64.3 74.5 111.7#

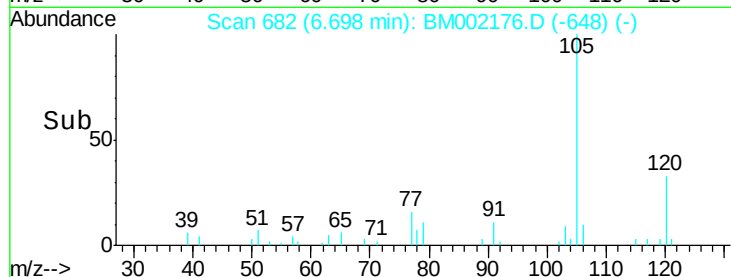


Abundance Ion 77.00 (76.70 to 77.70): BM002175.D (-677) (-)

Ion 105.00 (104.70 to 105.70): BM002175.D (-677) (-)

Ion 106.00 (105.70 to 106.70): BM002175.D (-677) (-)

Time-->

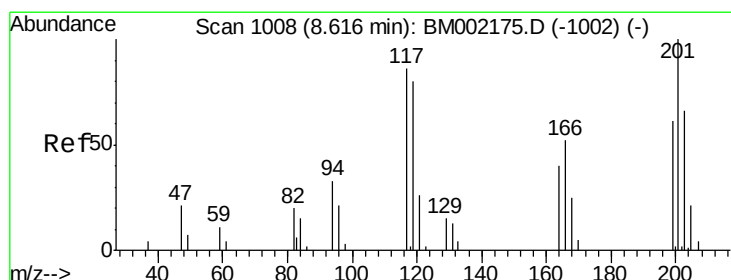


Abundance Ion 77.00 (76.70 to 77.70): BM002176.D (-648) (-)

Ion 105.00 (104.70 to 105.70): BM002176.D (-648) (-)

Ion 106.00 (105.70 to 106.70): BM002176.D (-648) (-)

Time-->



#17

Hexachloroethane

Concen: 3.84 ng/ul

RT: 8.65 min Scan# 1014

Delta R.T. 0.04 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

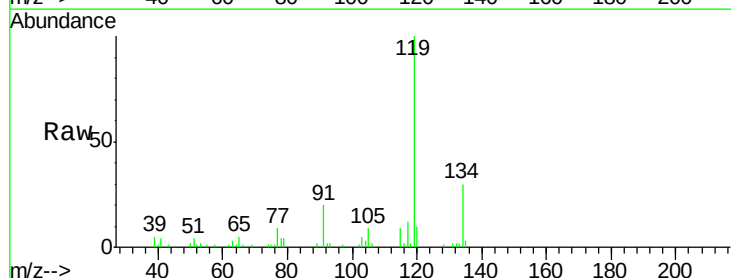
Tgt Ion: 117 Resp: 7693

Ion Ratio Lower Upper

117 100

201 0.0 96.1 144.1#

199 0.0 61.8 92.6#

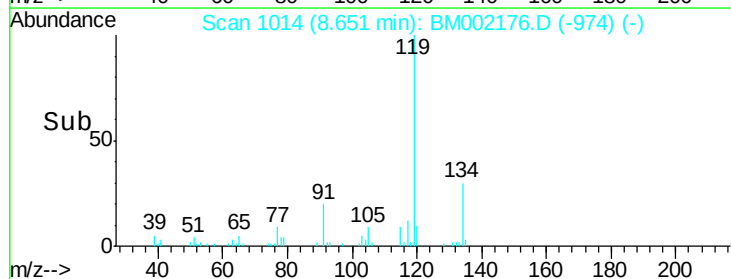


Abundance Ion 117.00 (116.70 to 117.70): BM002175.D (-1002) (-)

Ion 201.00 (200.70 to 201.70): BM002175.D (-1002) (-)

Ion 199.00 (198.70 to 199.70): BM002175.D (-1002) (-)

Time-->

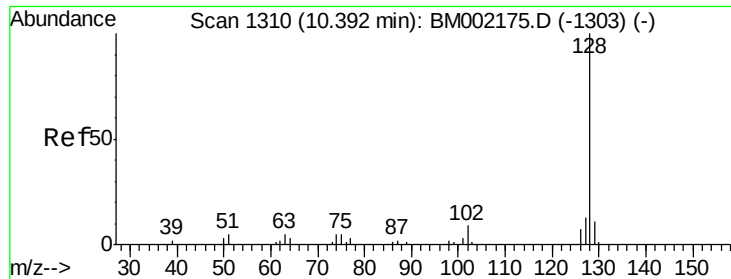


Abundance Ion 117.00 (116.70 to 117.70): BM002176.D (-974) (-)

Ion 201.00 (200.70 to 201.70): BM002176.D (-974) (-)

Ion 199.00 (198.70 to 199.70): BM002176.D (-974) (-)

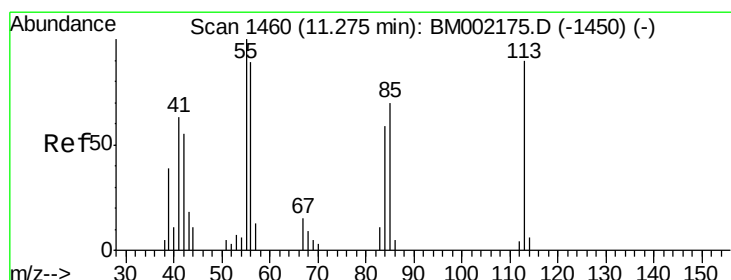
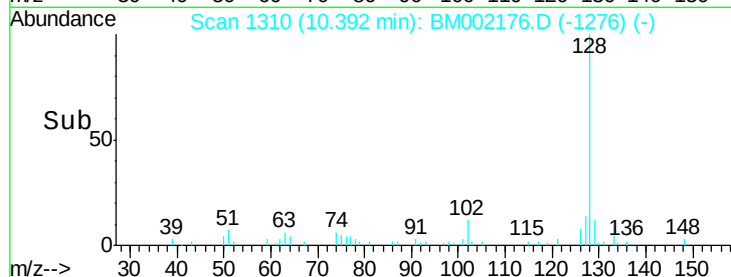
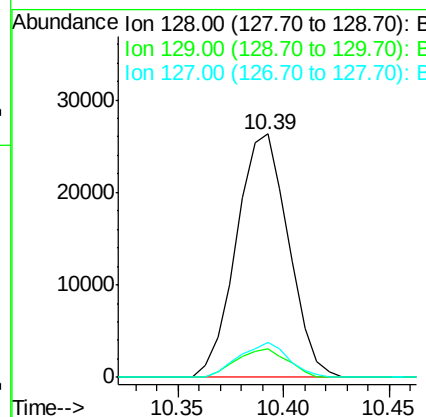
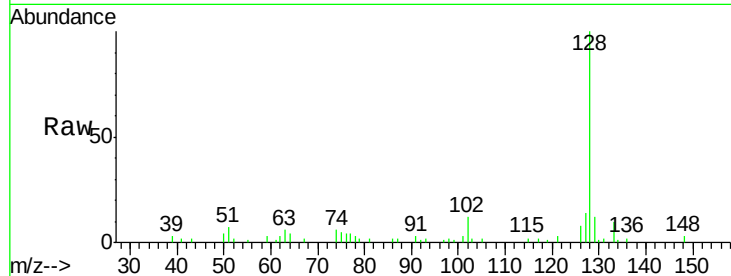
Time-->



#28
Naphthalene
Concen: 2.78 ng/ul
RT: 10.39 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BM002176.D
Acq: 02 Aug 2015 19:27

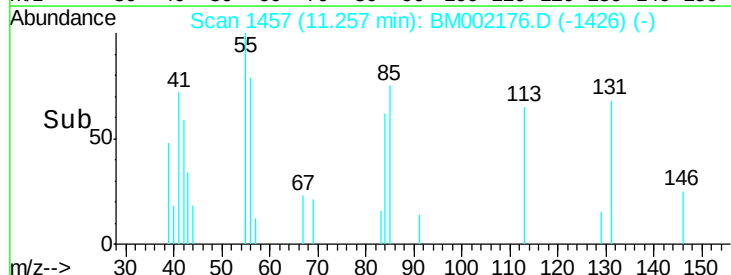
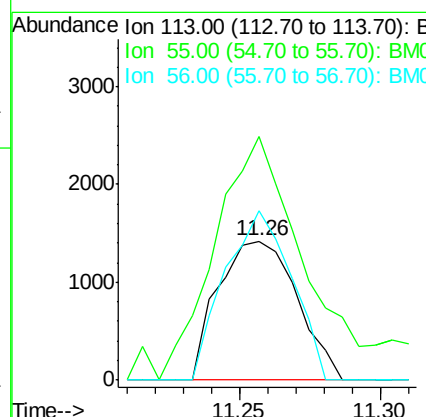
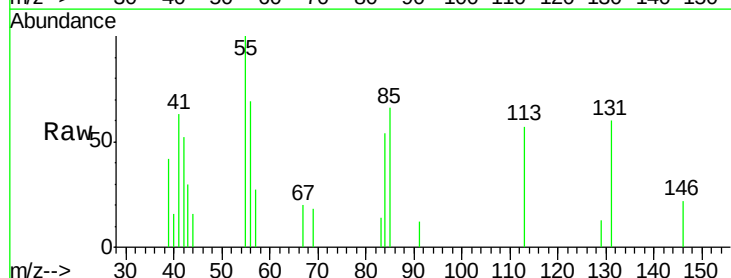
Instrument :
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ClientSampleId :
C02G3

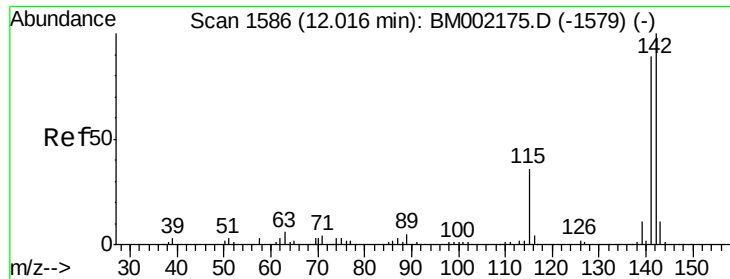
Tgt Ion:128 Resp: 44916
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.4
127 14.3 10.2 15.4



#32
Caprolactam
Concen: 1.96 ng/ul
RT: 11.26 min Scan# 1457
Delta R.T. -0.02 min
Lab File: BM002176.D
Acq: 02 Aug 2015 19:27

Tgt Ion:113 Resp: 2756
Ion Ratio Lower Upper
113 100
55 175.4 101.0 151.6#
56 121.6 79.0 118.6#

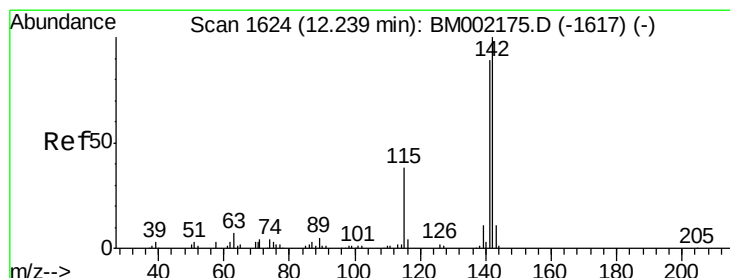
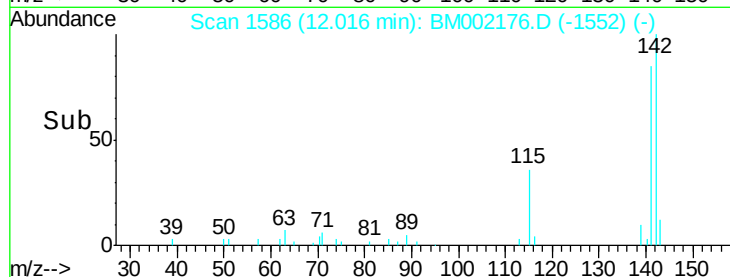
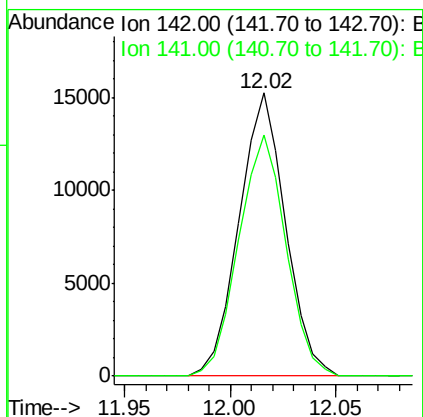
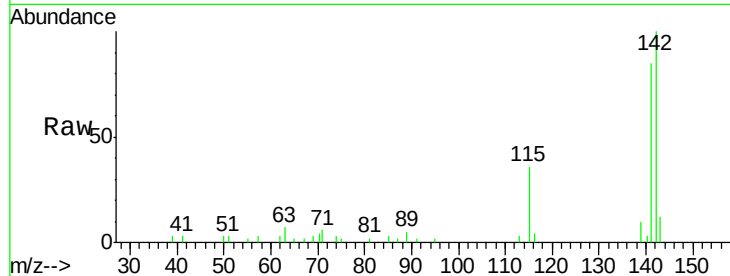




#34
2-Methylnaphthalene
Concen: 1.97 ng/ul
RT: 12.02 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BM002176.D
Acq: 02 Aug 2015 19:27

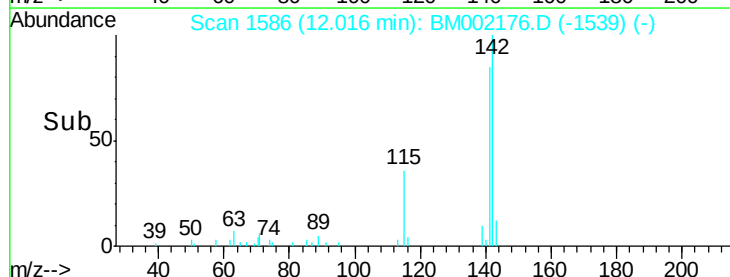
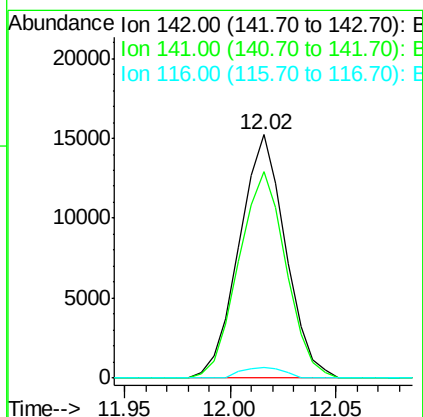
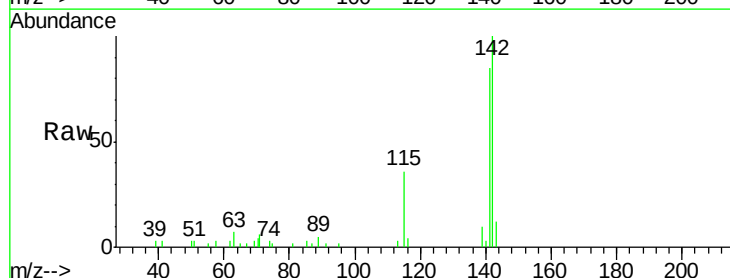
Instrument :
BNA_M
ClientSampleId :
C02G3

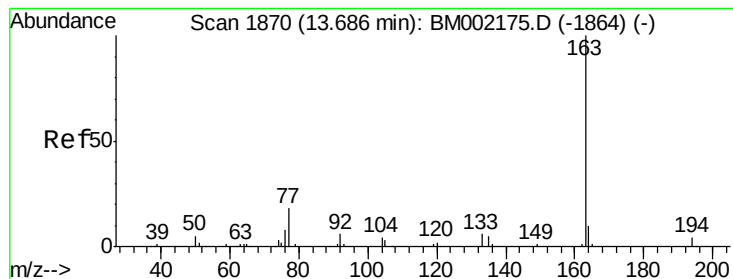
Tgt Ion:142 Resp: 23223
Ion Ratio Lower Upper
142 100
141 85.1 69.8 104.6



#35
1-Methylnaphthalene
Concen: 2.05 ng/ul
RT: 12.02 min Scan# 1586
Delta R.T. -0.22 min
Lab File: BM002176.D
Acq: 02 Aug 2015 19:27

Tgt Ion:142 Resp: 23223
Ion Ratio Lower Upper
142 100
141 85.1 72.4 108.6
116 4.4 3.2 4.8





#45

Dimethylphthalate

Concen: 5.67 ng/ul

RT: 13.68 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

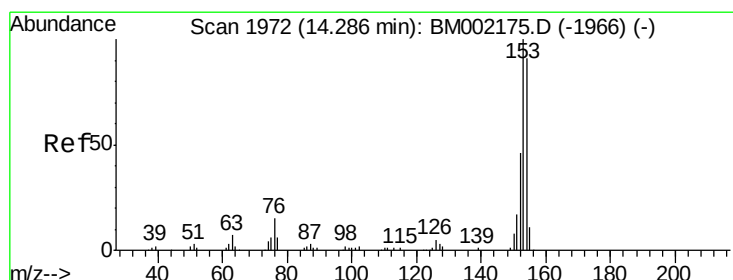
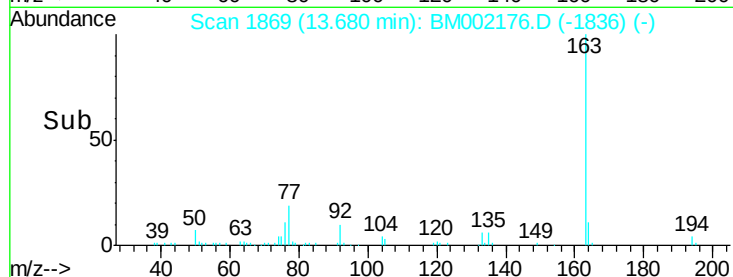
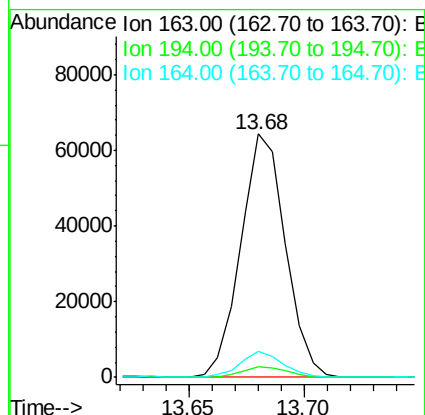
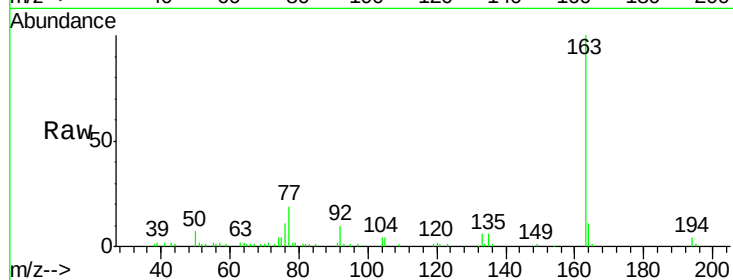
Instrument :

BNA_M

ClientSampleId :

C02G3

Tgt Ion:	163	Resp:	87128
Ion Ratio	Lower	Upper	
163	100		
194	4.3	3.5	5.3
164	10.5	8.0	12.0



#50

Acenaphthene

Concen: 9.45 ng/ul

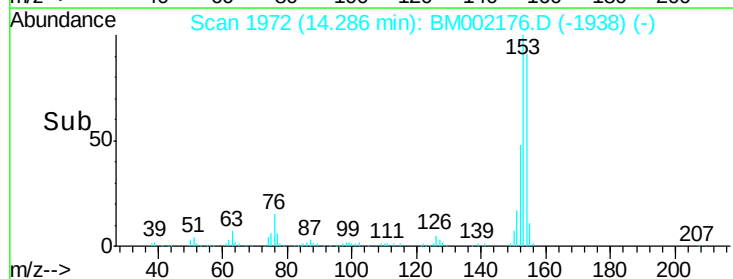
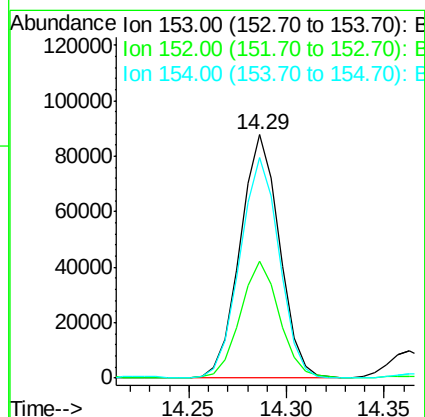
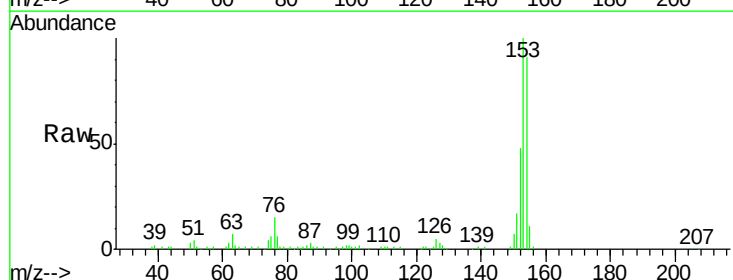
RT: 14.29 min Scan# 1972

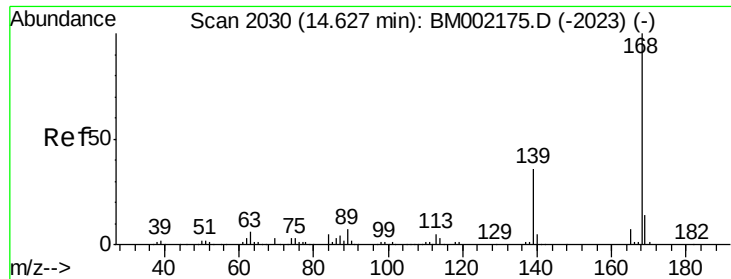
Delta R.T. 0.00 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

Tgt Ion:	153	Resp:	122975
Ion Ratio	Lower	Upper	
153	100		
152	47.9	37.3	55.9
154	90.8	71.4	107.2





#54

Dibenzenofuran

Concen: 5.36 ng/ul

RT: 14.62 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

Instrument :

BNA_M

ClientSampleId :

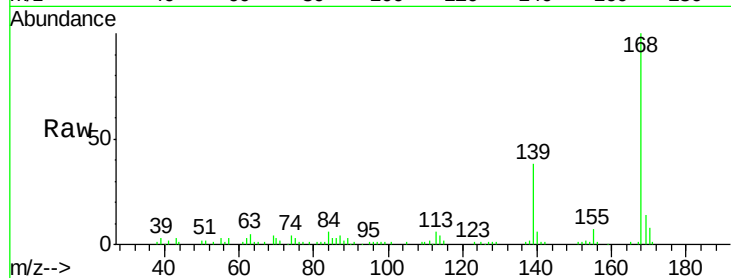
C02G3

Tgt Ion:168 Resp: 100021

Ion Ratio Lower Upper

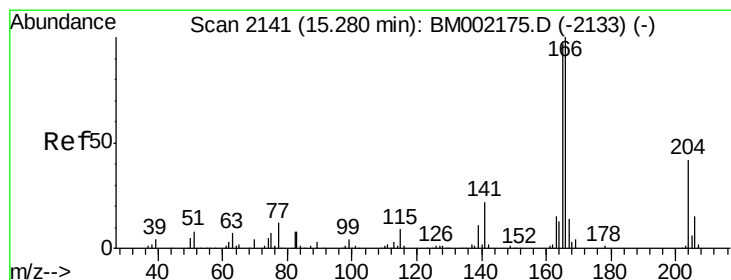
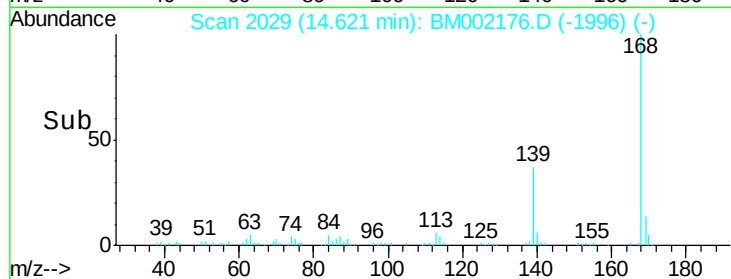
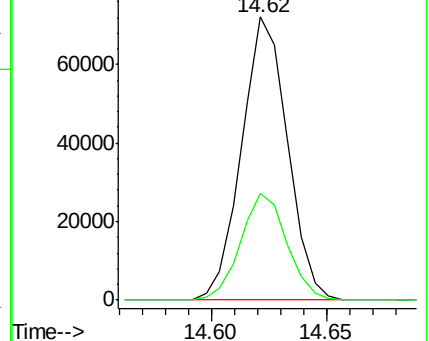
168 100

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: 8.35 ng/ul

RT: 15.27 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

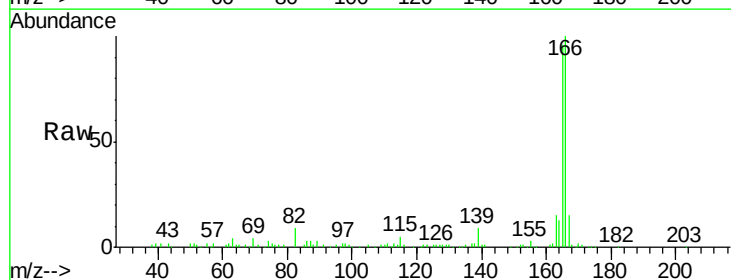
Tgt Ion:166 Resp: 128893

Ion Ratio Lower Upper

166 100

165 96.2 75.6 113.4

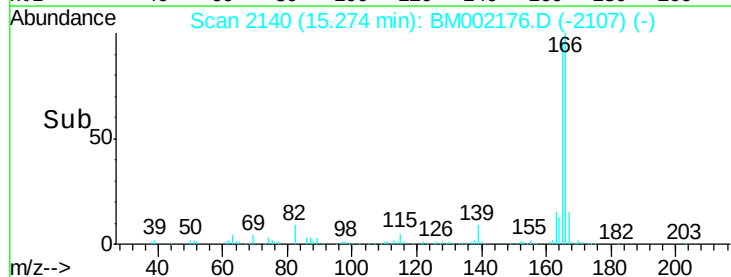
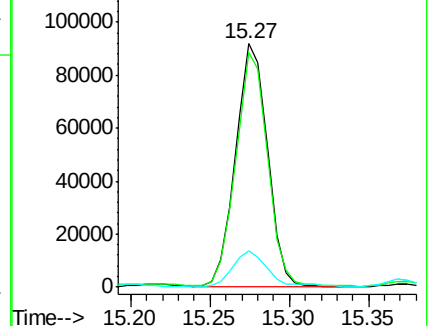
167 15.0 10.5 15.7

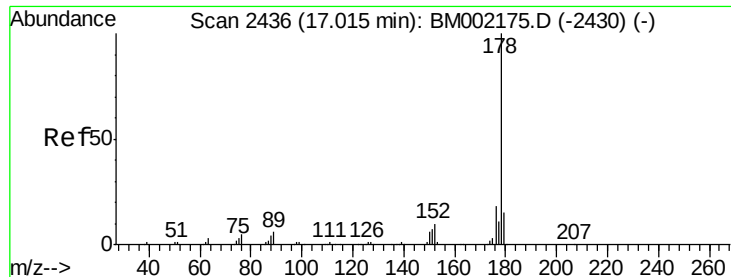


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 87.49 ng/ul

RT: 17.03 min Scan# 2438

Delta R.T. 0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

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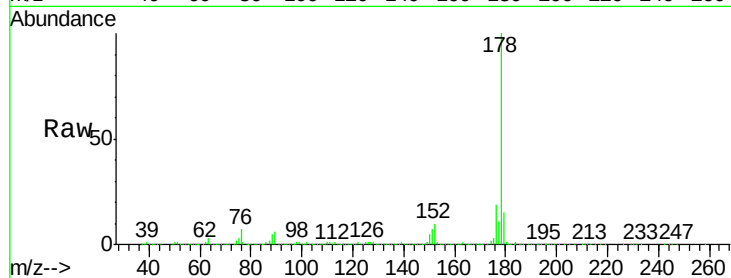
Tgt Ion:178 Resp: 2149462

Ion Ratio Lower Upper

178 100

179 15.3 12.5 18.7

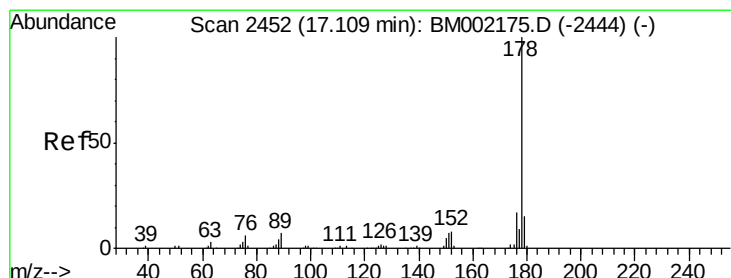
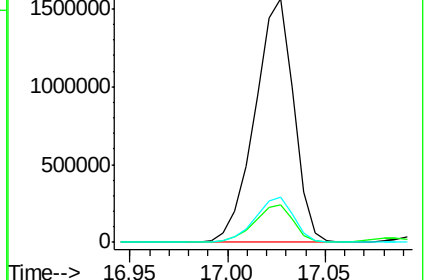
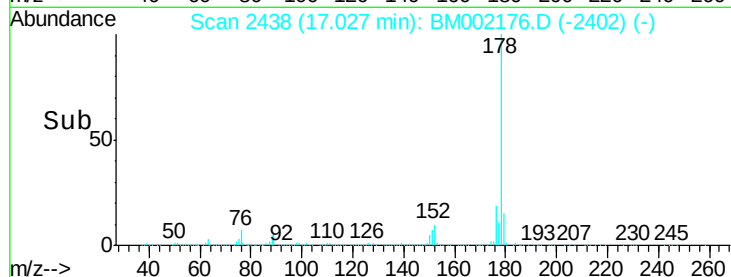
176 18.5 14.2 21.4



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: 17.52 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

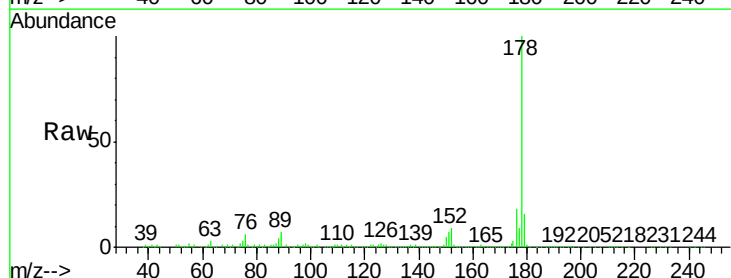
Tgt Ion:178 Resp: 440077

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

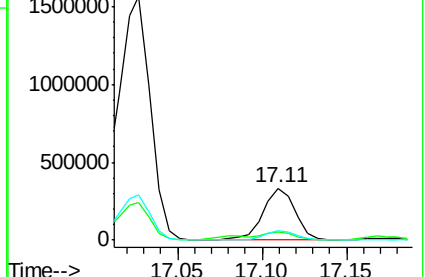
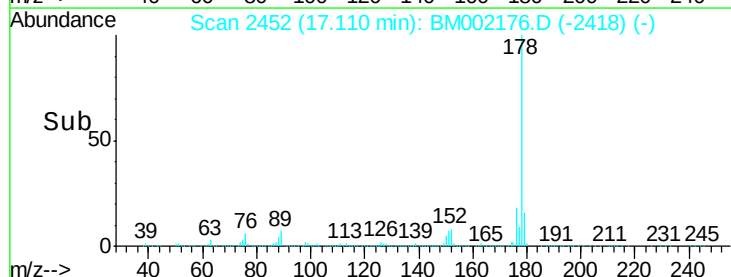
176 17.5 14.1 21.1

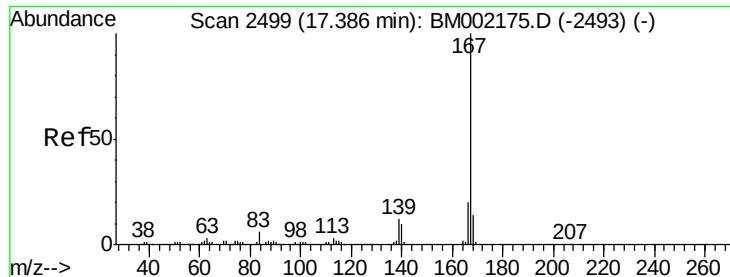


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 10.49 ng/ul

RT: 17.39 min Scan# 2499

Delta R.T. 0.00 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

Instrument :

BNA_M

ClientSampleId :

C02G3

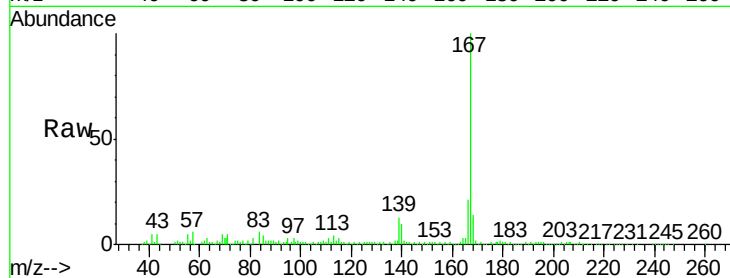
Tgt Ion:167 Resp: 225069

Ion Ratio Lower Upper

167 100

166 21.0 16.2 24.4

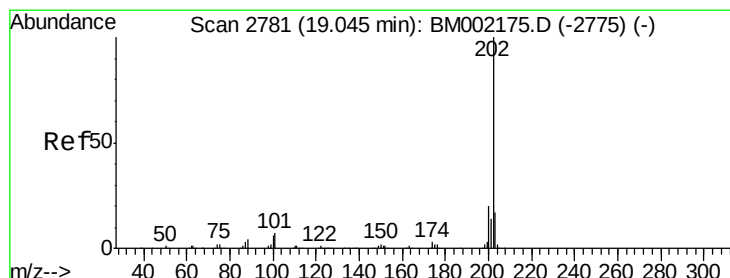
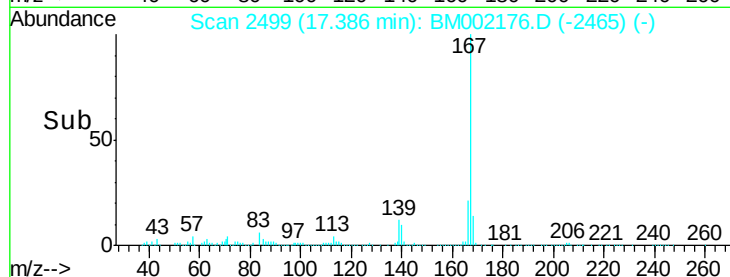
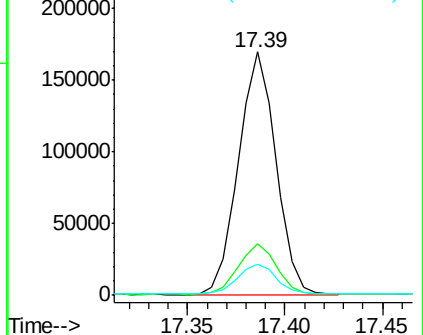
139 12.8 9.6 14.4



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: 102.14 ng/ul

RT: 19.06 min Scan# 2783

Delta R.T. 0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

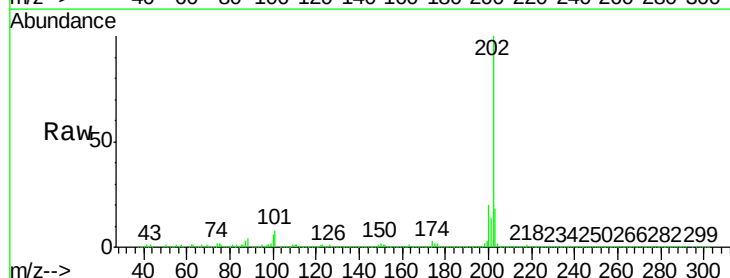
Tgt Ion:202 Resp: 2897374

Ion Ratio Lower Upper

202 100

101 8.4 6.2 9.4

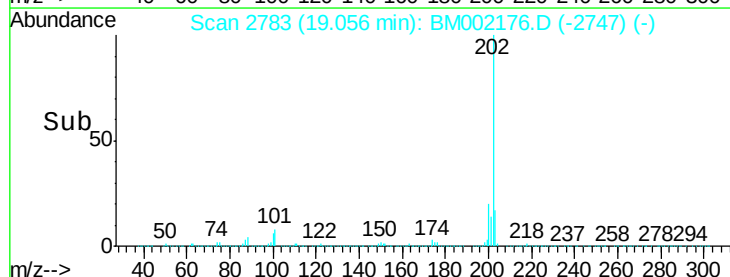
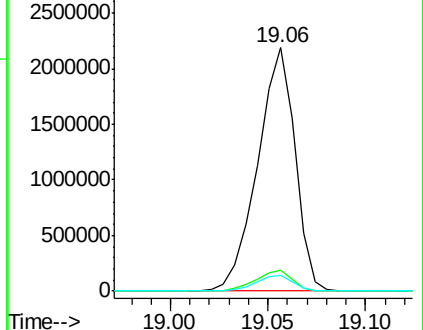
100 6.5 5.2 7.8

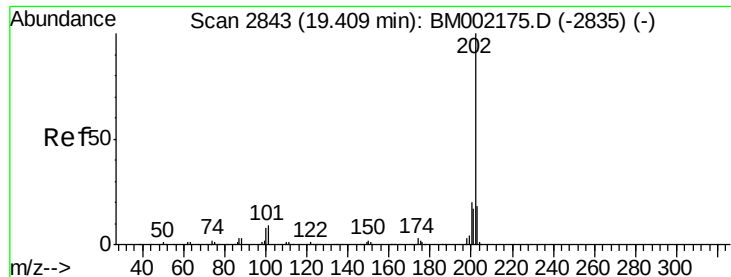


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

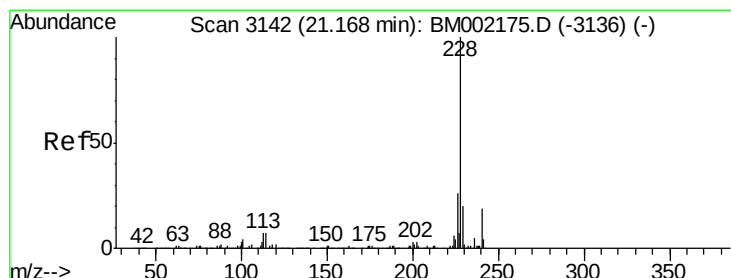
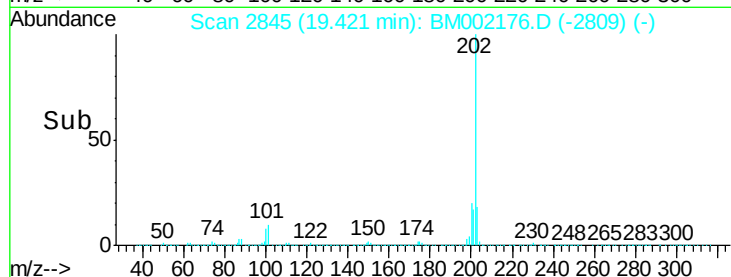
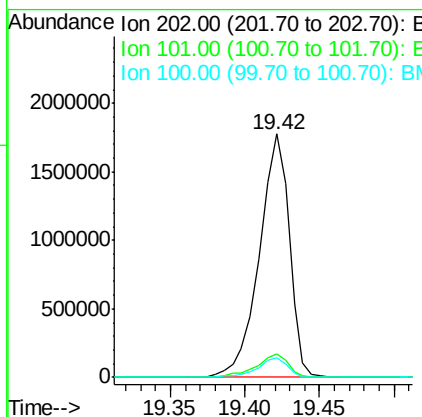
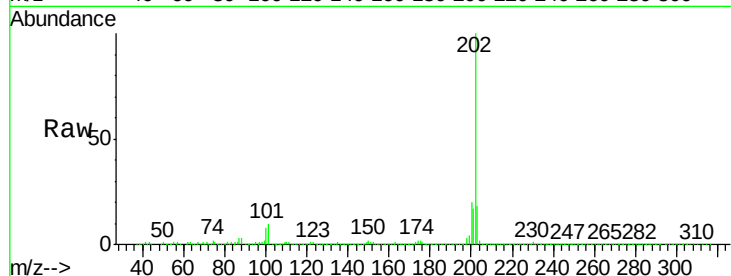




#80
 Pyrene
 Concen: 92.42 ng/ul
 RT: 19.42 min Scan# 2845
 Delta R.T. 0.01 min
 Lab File: BM002176.D
 Acq: 02 Aug 2015 19:27

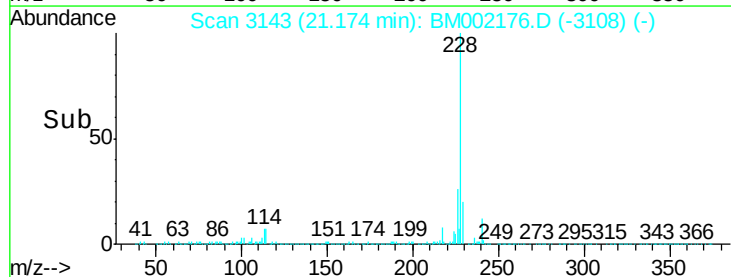
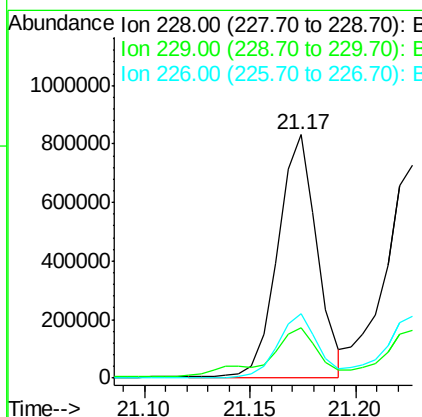
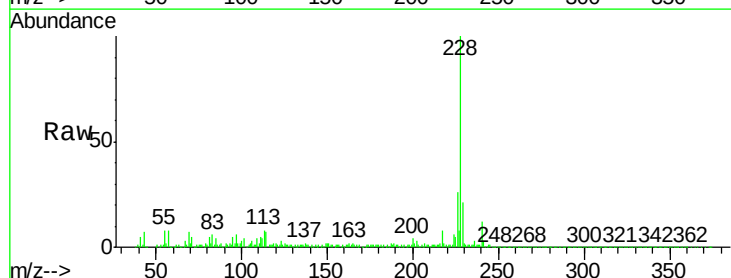
Instrument :
 BNA_M
 ClientSampleId :
 C02G3

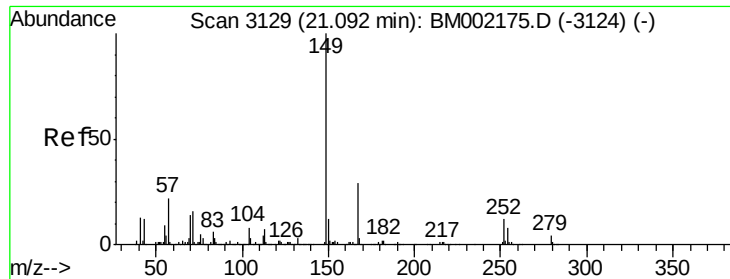
Tgt Ion:202 Resp: 2444432
 Ion Ratio Lower Upper
 202 100
 101 9.7 7.4 11.2
 100 8.0 6.3 9.5



#83
 Benzo(a)anthracene
 Concen: 39.69 ng/ul
 RT: 21.17 min Scan# 3143
 Delta R.T. 0.01 min
 Lab File: BM002176.D
 Acq: 02 Aug 2015 19:27

Tgt Ion:228 Resp: 1069476
 Ion Ratio Lower Upper
 228 100
 229 20.6 15.4 23.2
 226 26.2 20.5 30.7

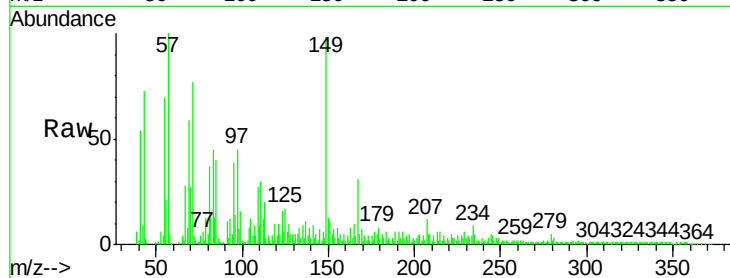




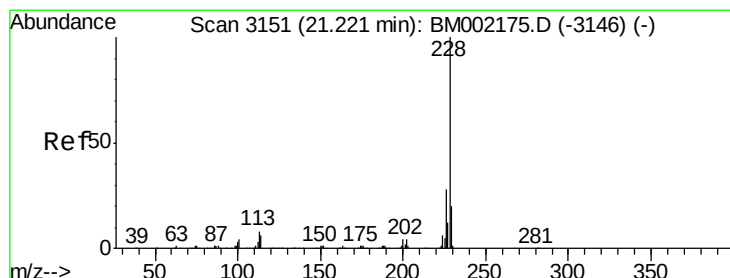
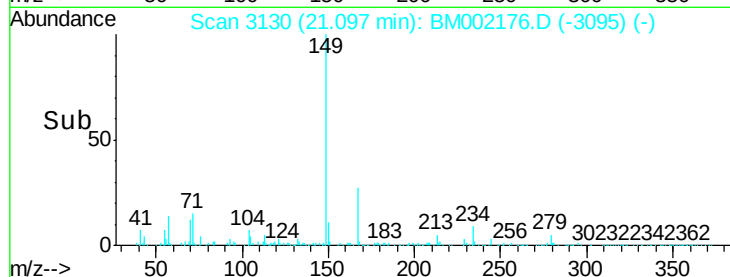
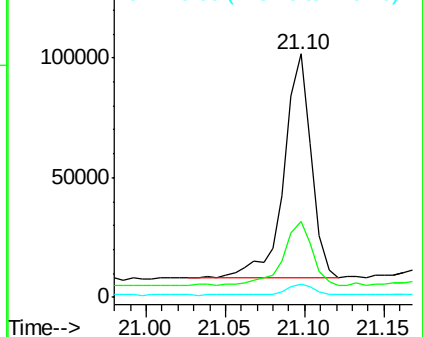
#84
Bis(2-ethylhexyl)phthalate
Concen: 7.19 ng/ul
RT: 21.10 min Scan# 3130
Delta R.T. 0.01 min
Lab File: BM002176.D
Acq: 02 Aug 2015 19:27

Instrument :
BNA_M
ClientSampleId :
C02G3

Tgt Ion:149 Resp: 111282
Ion Ratio Lower Upper
149 100
167 31.4 23.6 35.4
279 5.4 4.2 6.4

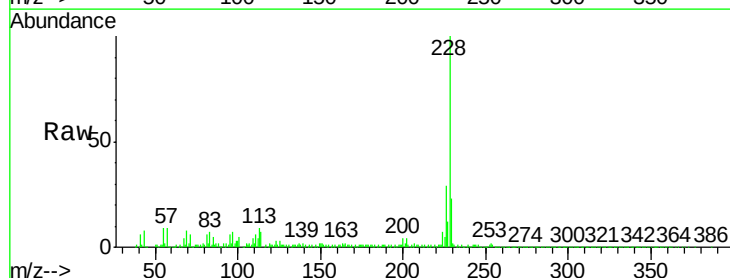


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

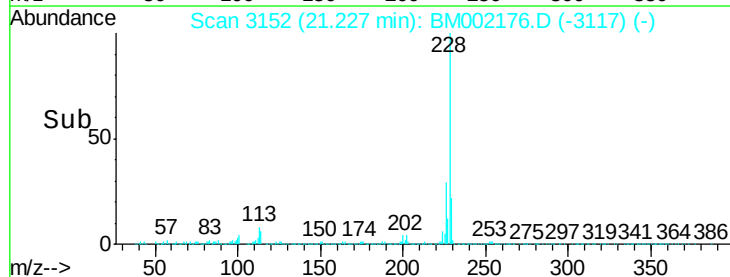
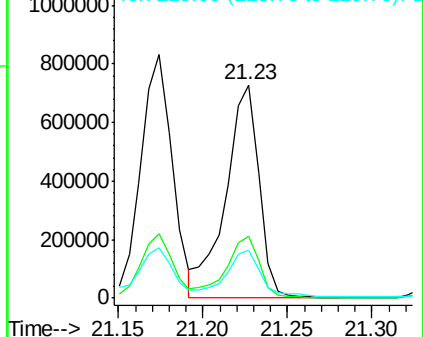


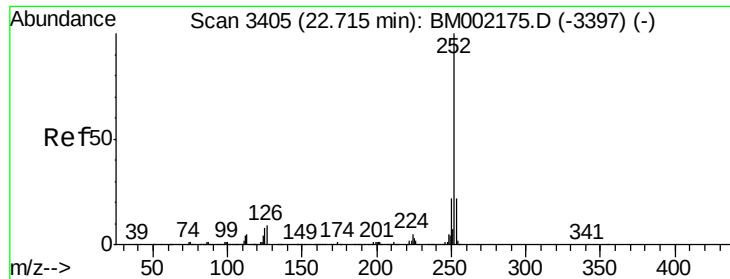
#85
Chrysene
Concen: 39.43 ng/ul
RT: 21.23 min Scan# 3152
Delta R.T. 0.01 min
Lab File: BM002176.D
Acq: 02 Aug 2015 19:27

Tgt Ion:228 Resp: 994150
Ion Ratio Lower Upper
228 100
226 29.1 22.3 33.5
229 22.6 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





#88

Benzo(b)fluoranthene

Concen: 48.31 ng/ul

RT: 22.73 min Scan# 3408

Delta R.T. 0.02 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

Instrument :

BNA_M

ClientSampleId :

C02G3

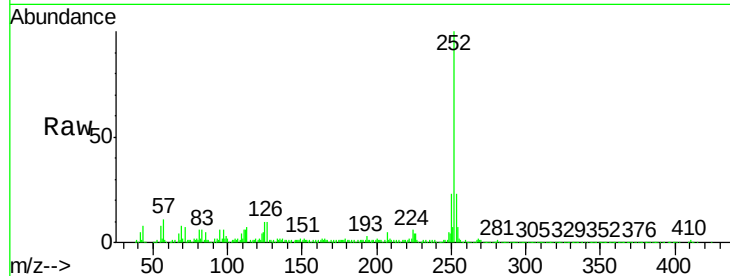
Tgt Ion:252 Resp: 1107902

Ion Ratio Lower Upper

252 100

253 22.8 16.9 25.3

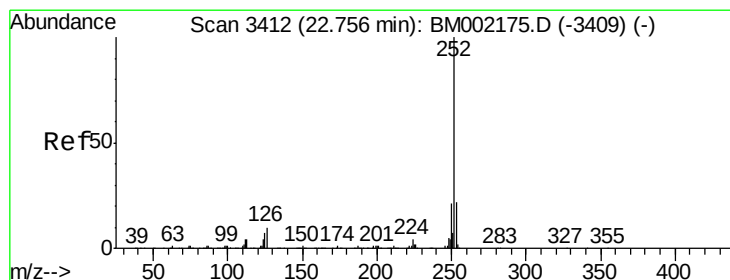
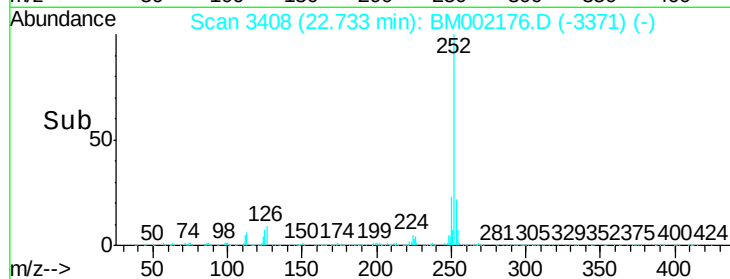
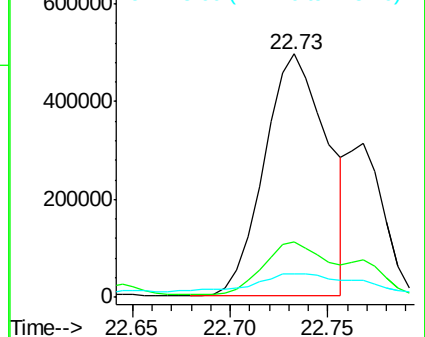
125 9.8 6.2 9.2#



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



#89

Benzo(k)fluoranthene

Concen: 41.10 ng/ul

RT: 22.73 min Scan# 3408

Delta R.T. -0.02 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

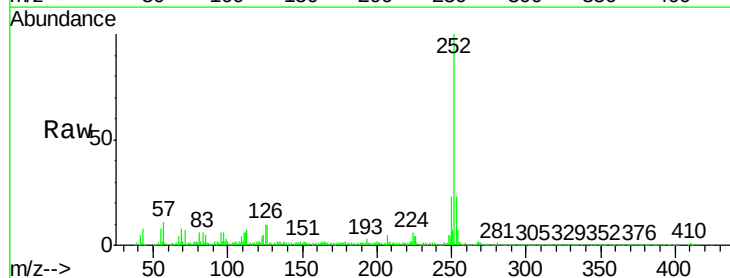
Tgt Ion:252 Resp: 909468

Ion Ratio Lower Upper

252 100

253 22.8 17.4 26.0

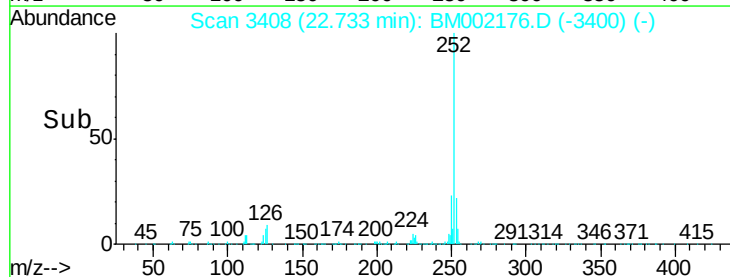
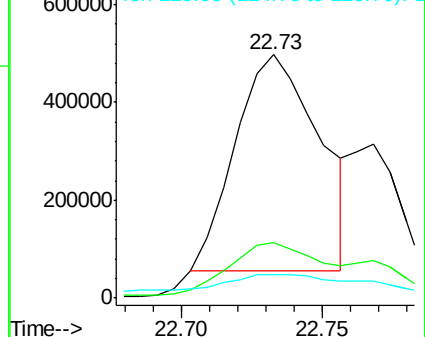
125 9.8 6.2 9.4#

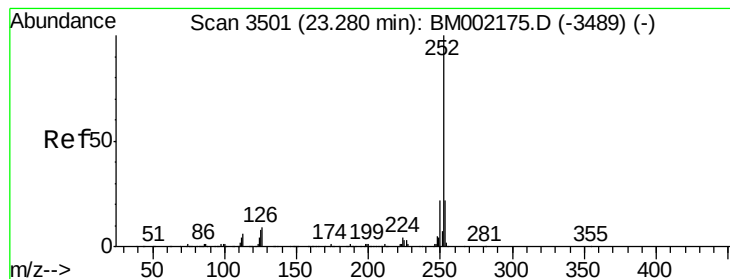


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 35.39 ng/ul

RT: 23.29 min Scan# 3503

Delta R.T. 0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

Instrument :

BNA_M

ClientSampleId :

C02G3

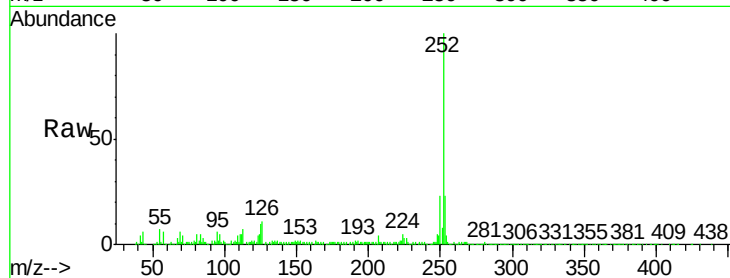
Tgt Ion:252 Resp: 783460

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

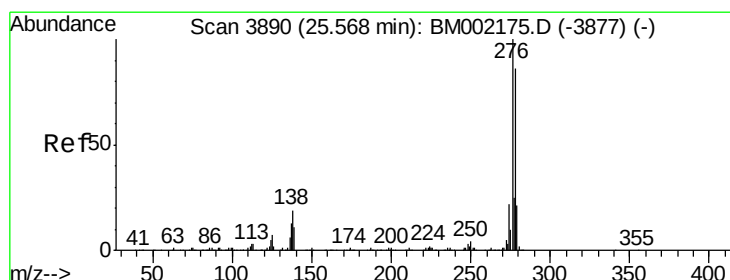
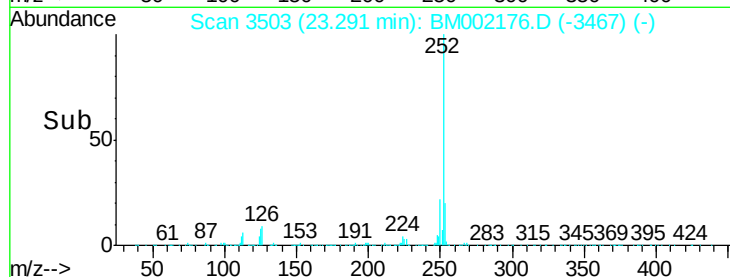
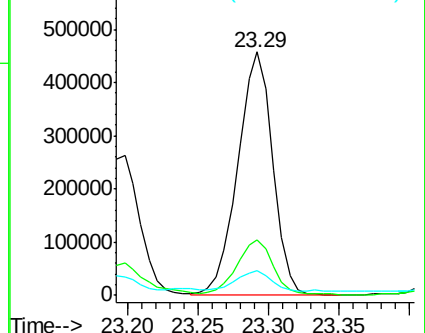
125 10.0 6.6 10.0#



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



#92

Indeno(1,2,3-cd)pyrene

Concen: 18.91 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

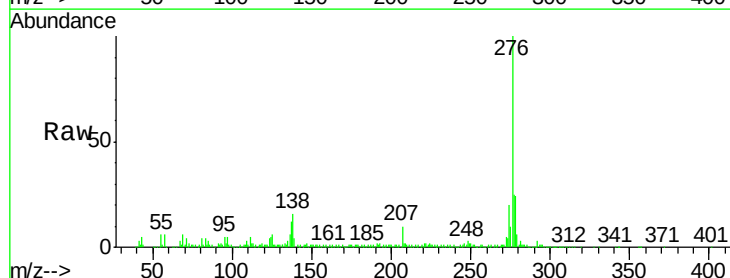
Tgt Ion:276 Resp: 482305

Ion Ratio Lower Upper

276 100

138 15.7 16.2 24.2#

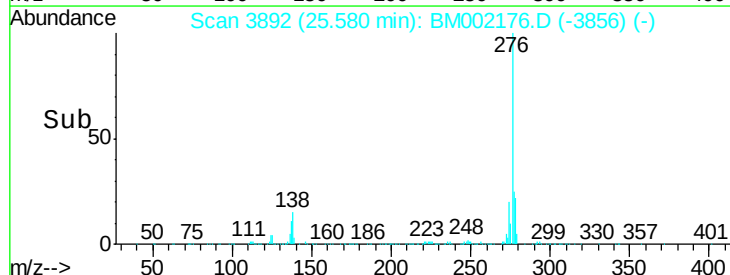
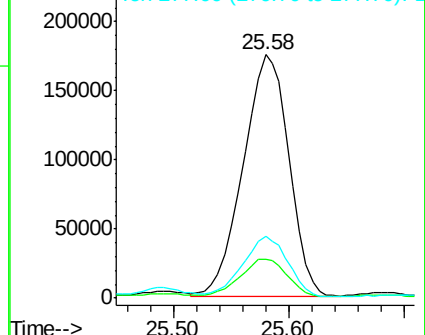
277 25.4 19.8 29.8

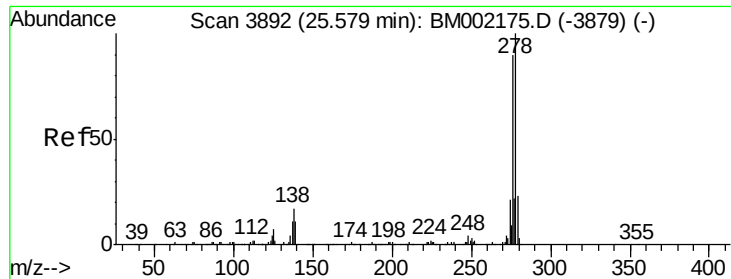


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 5.61 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.00 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

Instrument :

BNA_M

ClientSampleId :

C02G3

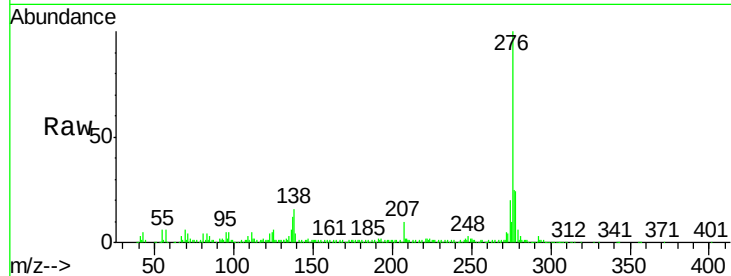
Tgt Ion:278 Resp: 122496

Ion Ratio Lower Upper

278 100

139 18.6 10.6 16.0#

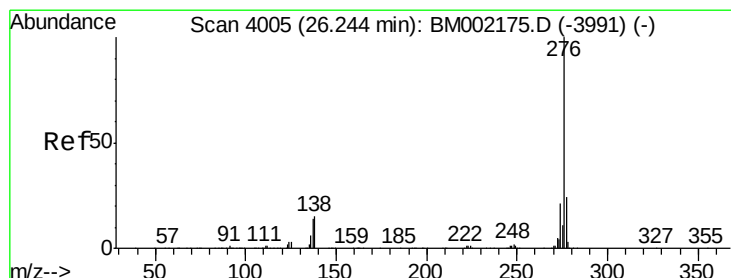
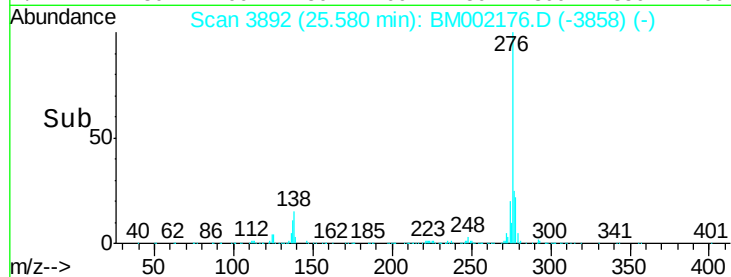
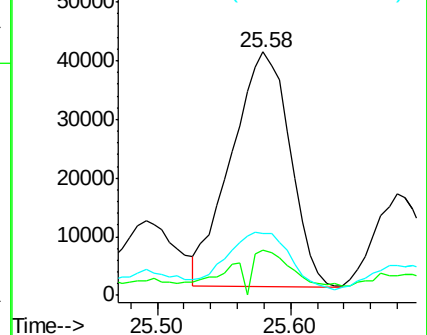
279 25.5 18.5 27.7



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: 19.14 ng/ul

RT: 26.26 min Scan# 4007

Delta R.T. 0.01 min

Lab File: BM002176.D

Acq: 02 Aug 2015 19:27

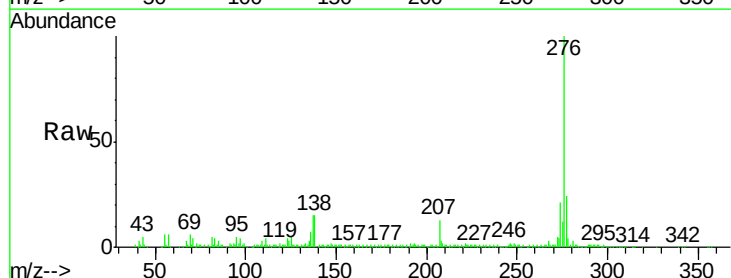
Tgt Ion:276 Resp: 409168

Ion Ratio Lower Upper

276 100

138 15.4 13.8 20.6

277 24.3 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

