

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002200.D
 Acq On : 03 Aug 2015 16:44
 Operator : TP/UM
 Sample : G3095-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01Q7

Quant Time: Aug 04 02:36:24 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	92187	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	394159	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	249772	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.96	188	583101	20.00	ng/ul	0.00
78) Chrysene-d12	21.18	240	598257	20.00	ng/ul	0.01
86) Perylene-d12	23.38	264	531527	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	3471	1.95	ng/uL	0.00
5) Phenol-d5	6.72	99	89914	13.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	45184	12.40	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	76372	13.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	73845	14.09	ng/ul	0.00
19) Nitrobenzene-d5	8.69	128	36790	13.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.41	143	42843	13.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	83563	13.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	59449	9.02	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	243488	13.31	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	303926	13.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	31787	10.41	ng/ul	0.01
58) Fluorene-d10	15.20	176	222271	13.81	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	7864	2.20	ng/ul	0.01
71) Anthracene-d10	17.06	188	349639	13.43	ng/ul	0.00
79) Pyrene-d10	19.37	212	381407	15.14	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.24	264	324333	12.59	ng/ul	0.03

Target Compounds

						Qvalue
28) Naphthalene	10.37	128	22736	1.21	ng/ul	99
34) 2-Methylnaphthalene	12.00	142	16739	1.23	ng/ul	98
45) Dimethylphthalate	13.67	163	98566	5.40	ng/ul	99
48) Acenaphthylene	13.93	152	43929	1.86	ng/ul	94
50) Acenaphthene	14.27	153	48693	3.15	ng/ul	99
54) Dibenzofuran	14.61	168	27936	1.26	ng/ul#	88
59) Fluorene	15.26	166	48587	2.65	ng/ul	98
70) Phenanthrene	17.01	178	966824	32.01	ng/ul	99
72) Anthracene	17.10	178	231509	7.50	ng/ul	99
75) Carbazole	17.37	167	63709	2.42	ng/ul#	91
77) Fluoranthene	19.04	202	2313620	66.34	ng/ul	99
80) Pyrene	19.41	202	2244369	68.94	ng/ul	99
83) Benzo(a)anthracene	21.17	228	1171843	35.33	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.09	149	121511	6.38	ng/ul	97
85) Chrysene	21.22	228	1086818	35.03	ng/ul	97
88) Benzo(b)fluoranthene	22.73	252	1273827	42.65	ng/ul#	96
89) Benzo(k)fluoranthene	22.73	252	360942	12.52	ng/ul#	97
91) Benzo(a)pyrene	23.29	252	902953	31.32	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.58	276	594984	17.91	ng/ul	96
93) Dibenzo(a,h)anthracene	25.57	278	161851	5.69	ng/ul#	90
94) Benzo(g,h,i)perylene	26.26	276	549498	19.73	ng/ul	96

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QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration

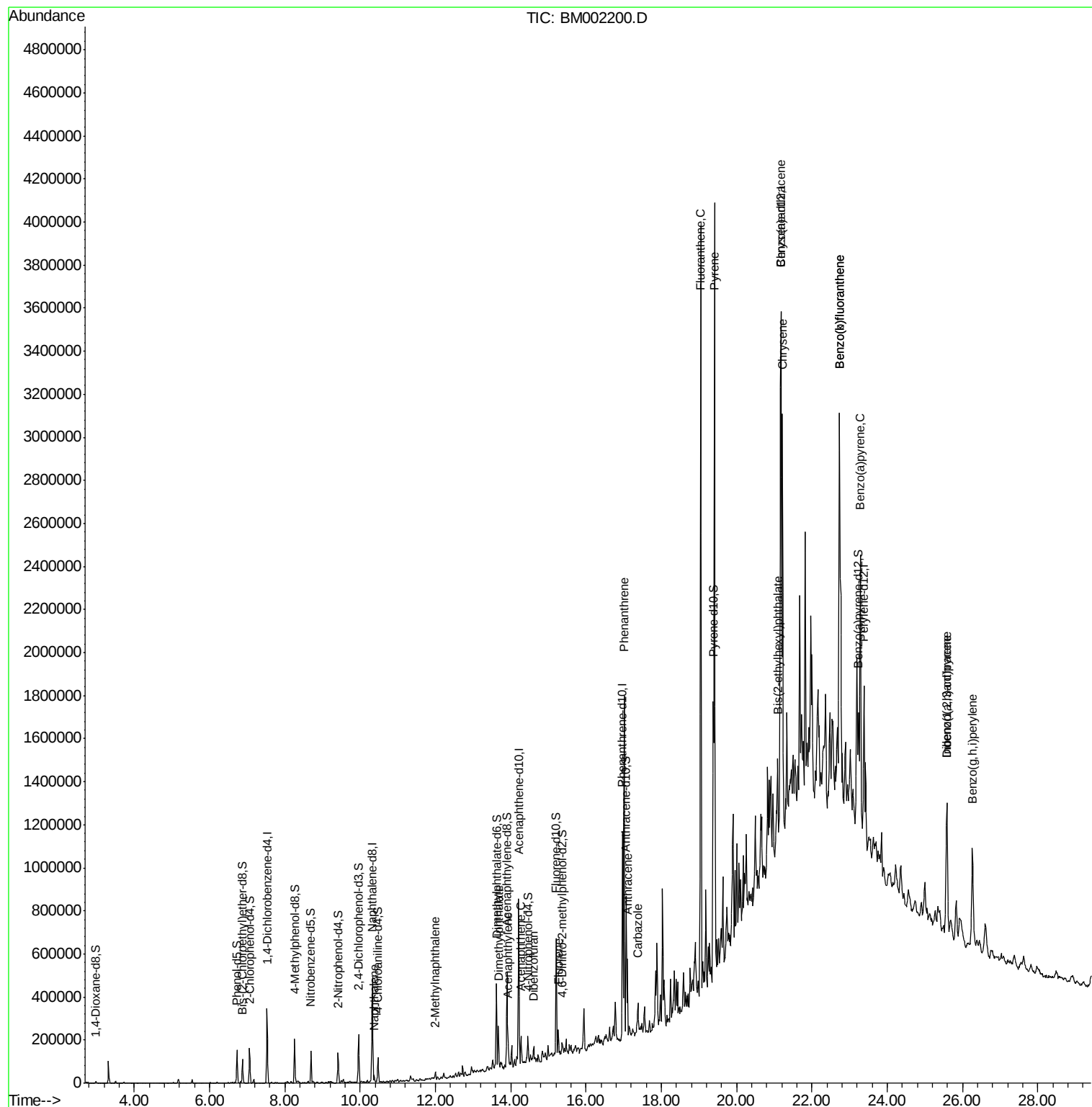
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

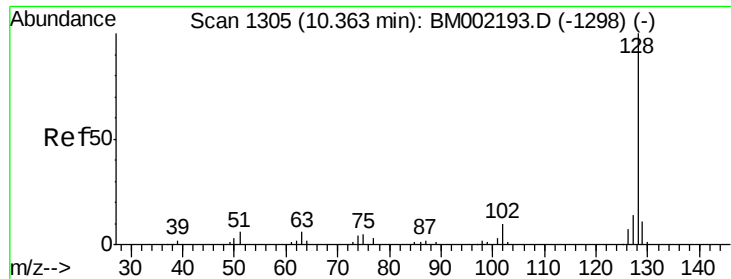
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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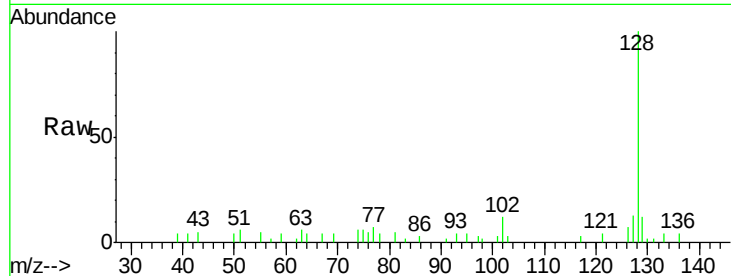




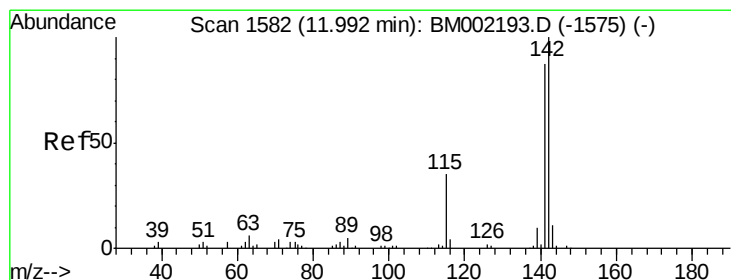
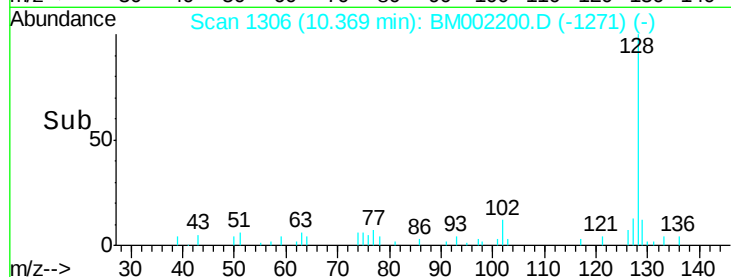
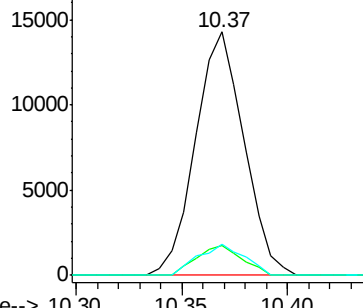
#28
Naphthalene
Concen: 1.21 ng/ul
RT: 10.37 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BM002200.D
Acq: 03 Aug 2015 16:44

Instrument :
BNA_M
ClientSampleId :
C01Q7

Tgt Ion:128 Resp: 22736
Ion Ratio Lower Upper
128 100
129 12.3 9.0 13.4
127 12.9 10.2 15.4

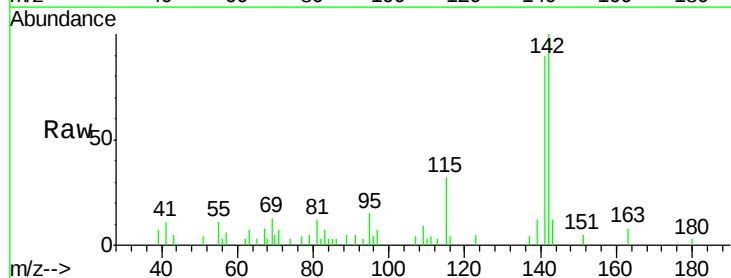


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

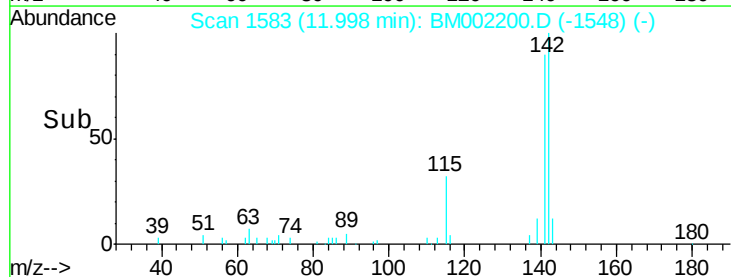
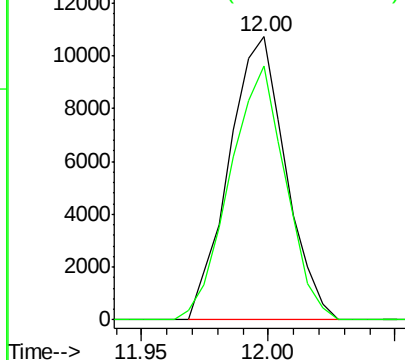


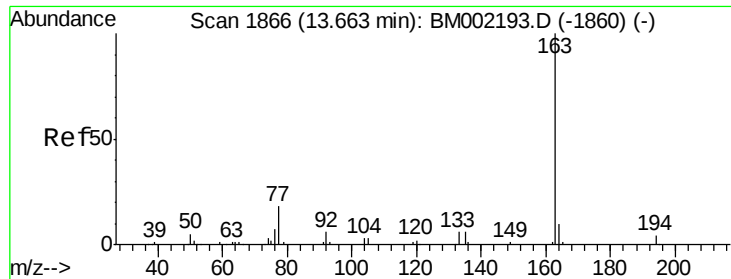
#34
2-Methylnaphthalene
Concen: 1.23 ng/ul
RT: 12.00 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BM002200.D
Acq: 03 Aug 2015 16:44

Tgt Ion:142 Resp: 16739
Ion Ratio Lower Upper
142 100
141 89.5 69.8 104.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#45

Dimethylphthalate

Concen: 5.40 ng/ul

RT: 13.67 min Scan# 1867

Delta R.T. 0.01 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

Instrument :

BNA_M

ClientSampleId :

C01Q7

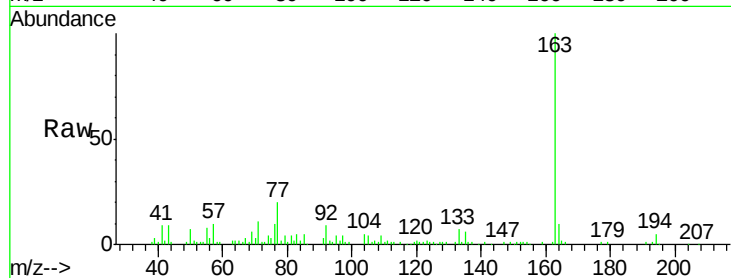
Tgt Ion:163 Resp: 98566

Ion Ratio Lower Upper

163 100

194 4.7 3.5 5.3

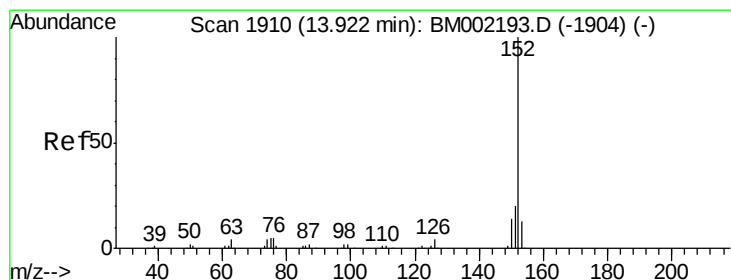
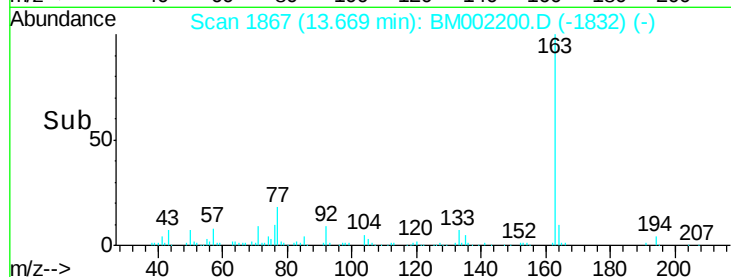
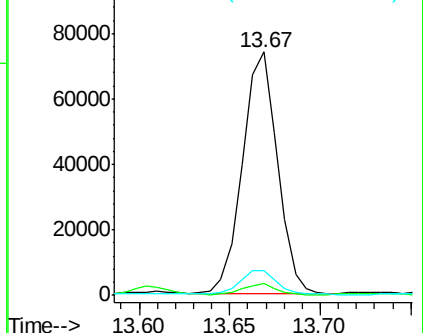
164 10.4 8.0 12.0



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: 1.86 ng/ul

RT: 13.93 min Scan# 1911

Delta R.T. 0.01 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

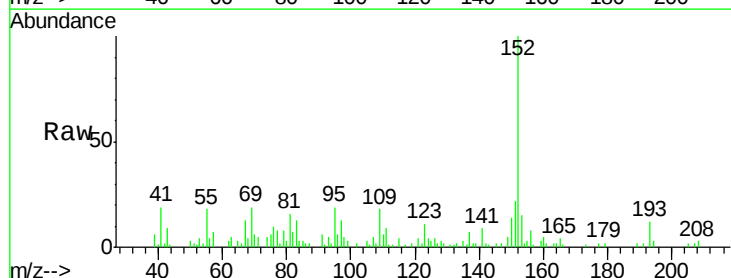
Tgt Ion:152 Resp: 43929

Ion Ratio Lower Upper

152 100

151 22.2 15.6 23.4

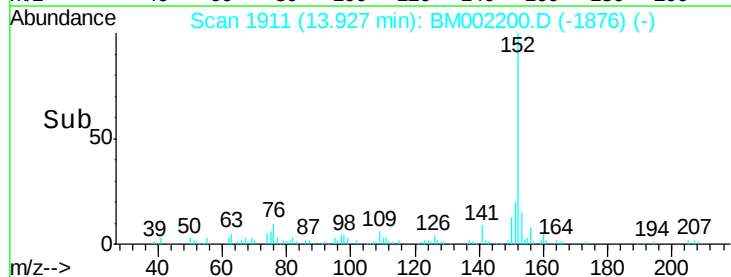
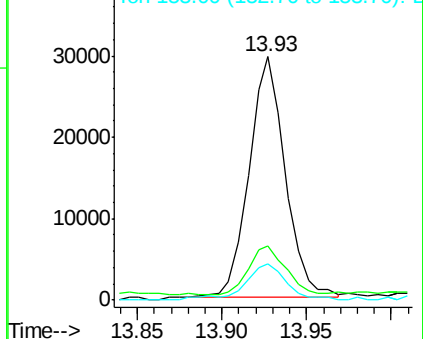
153 15.0 10.3 15.5

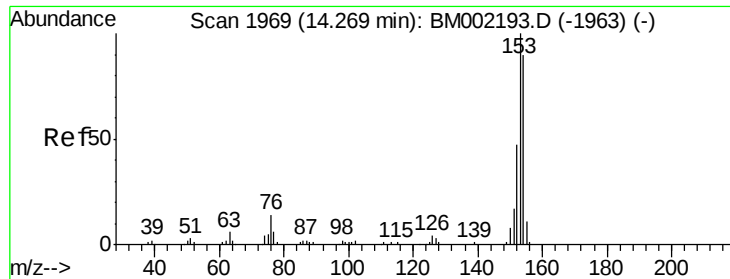


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 3.15 ng/ul

RT: 14.27 min Scan# 1969

Delta R.T. -0.00 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

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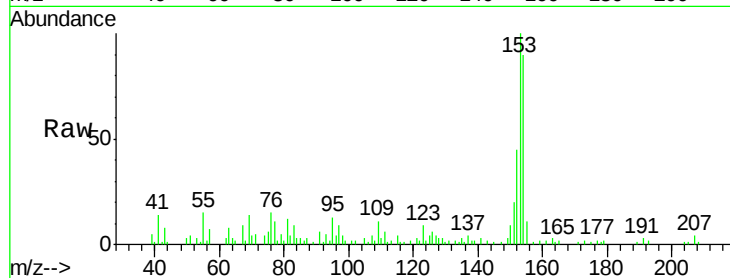
Tgt Ion:153 Resp: 48693

Ion Ratio Lower Upper

153 100

152 44.8 37.3 55.9

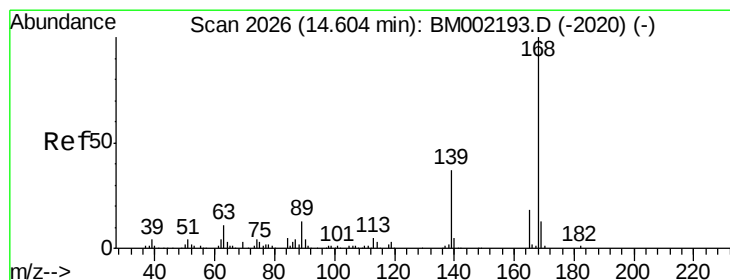
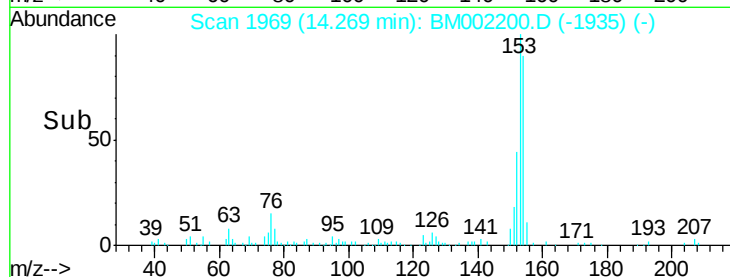
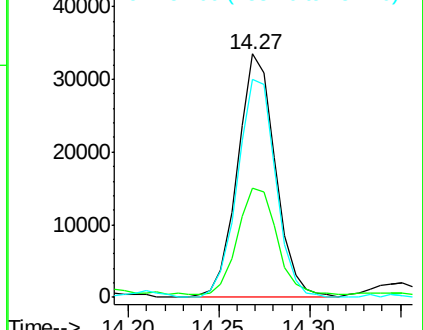
154 89.7 71.4 107.2



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: 1.26 ng/ul

RT: 14.61 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM002200.D

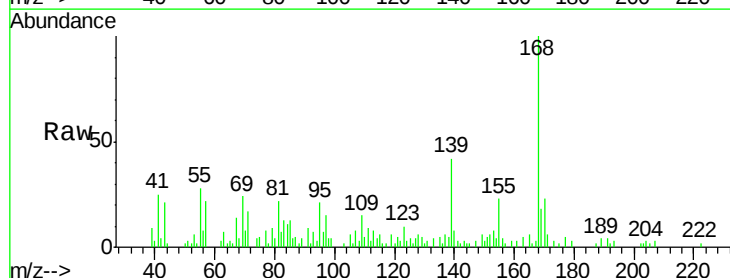
Acq: 03 Aug 2015 16:44

Tgt Ion:168 Resp: 27936

Ion Ratio Lower Upper

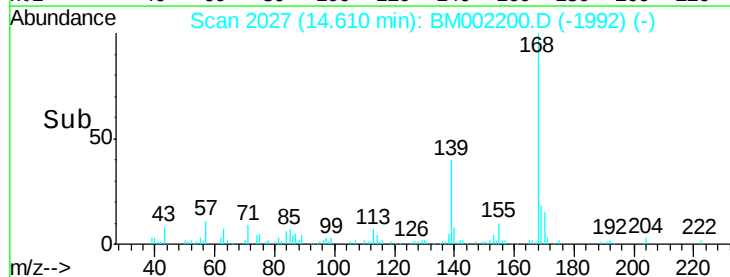
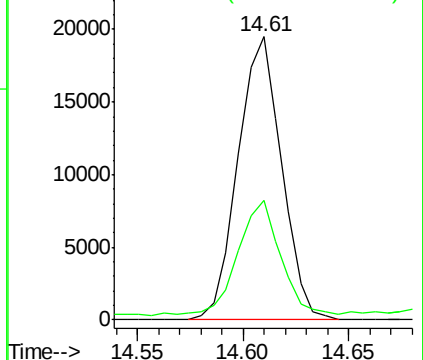
168 100

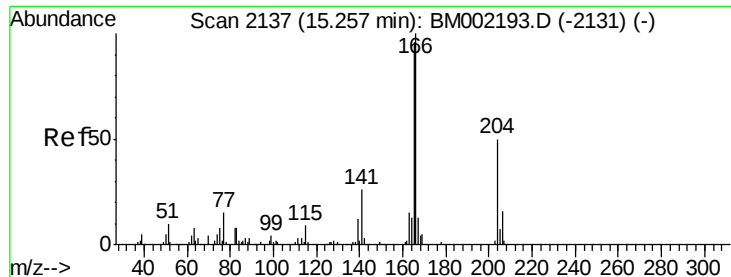
139 42.3 28.2 42.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 2.65 ng/ul

RT: 15.26 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

Instrument :

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ClientSampleId :

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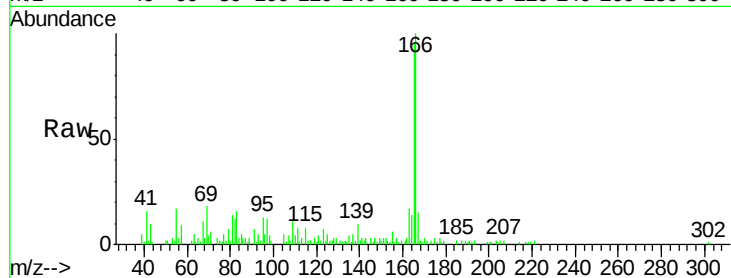
Tgt Ion:166 Resp: 48587

Ion Ratio Lower Upper

166 100

165 95.5 75.6 113.4

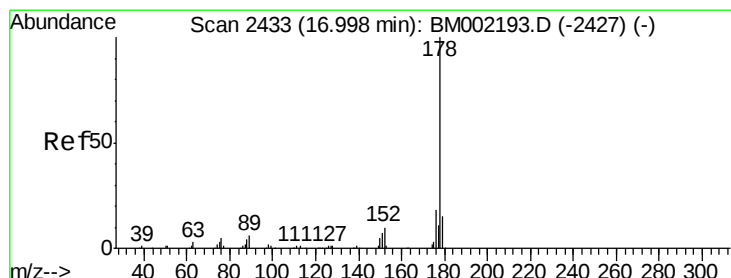
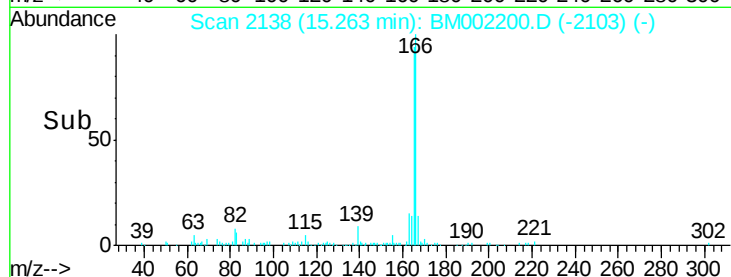
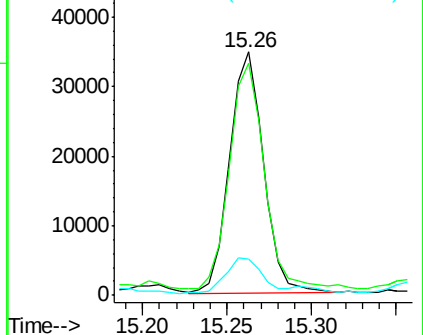
167 15.1 10.5 15.7



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: 32.01 ng/ul

RT: 17.01 min Scan# 2435

Delta R.T. 0.01 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

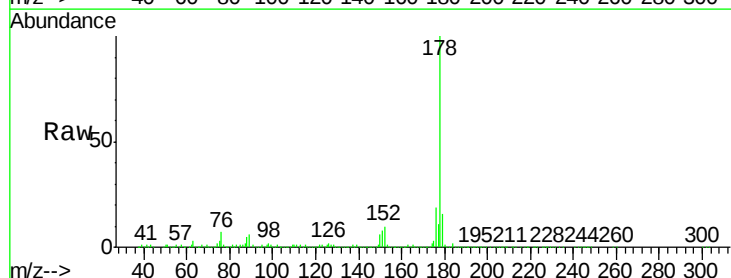
Tgt Ion:178 Resp: 966824

Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

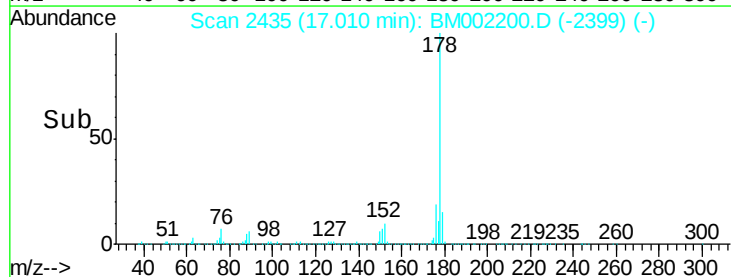
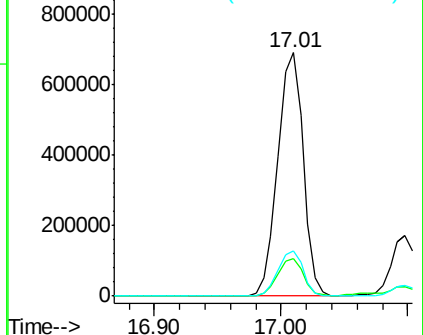
176 18.6 14.2 21.4

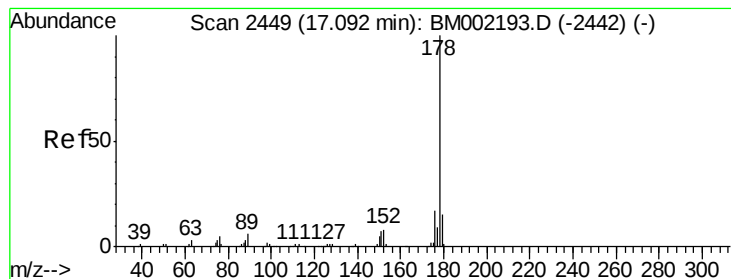


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 7.50 ng/ul

RT: 17.10 min Scan# 2450

Delta R.T. 0.01 min

Lab File: BM002200.D

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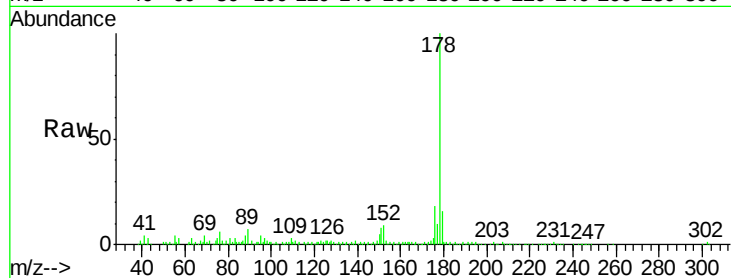
Tgt Ion:178 Resp: 231509

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

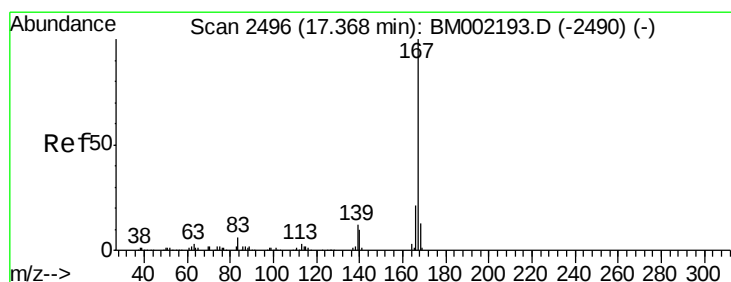
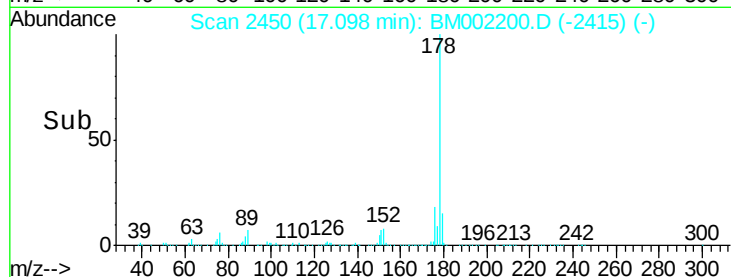
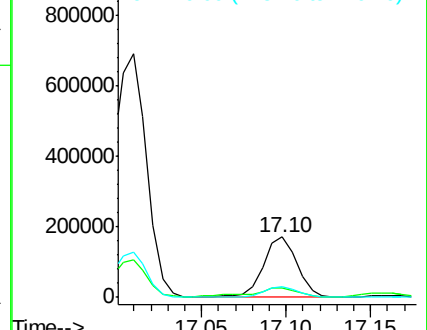
176 18.0 14.1 21.1



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: 2.42 ng/ul

RT: 17.37 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

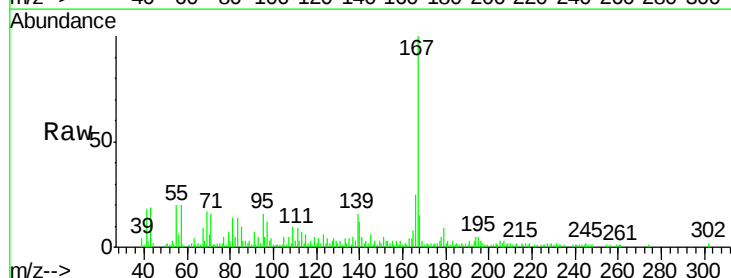
Tgt Ion:167 Resp: 63709

Ion Ratio Lower Upper

167 100

166 24.7 16.2 24.4#

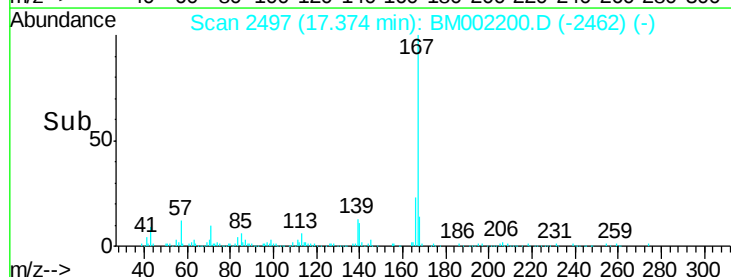
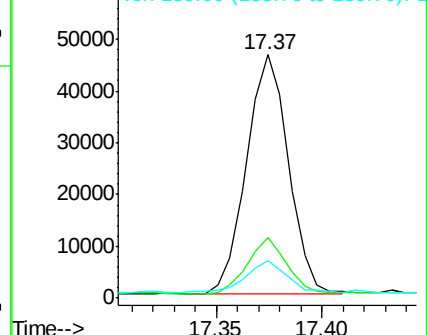
139 15.5 9.6 14.4#

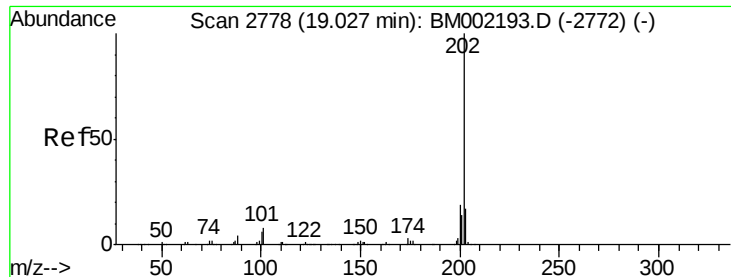


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 66.34 ng/ul

RT: 19.04 min Scan# 2781

Delta R.T. 0.02 min

Lab File: BM002200.D

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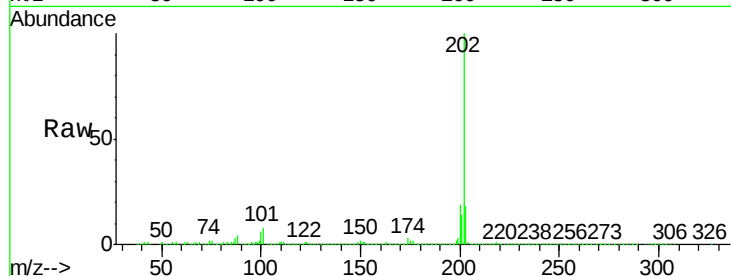
Tgt Ion:202 Resp: 2313620

Ion Ratio Lower Upper

202 100

101 8.0 6.2 9.4

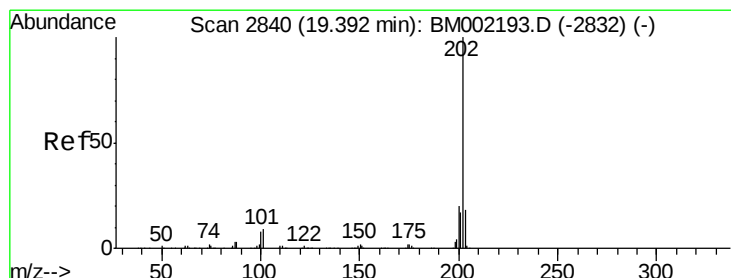
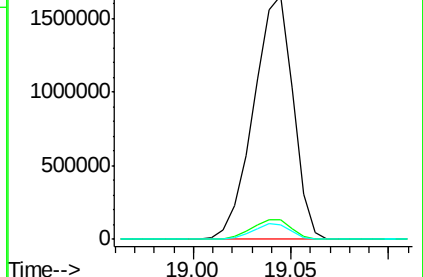
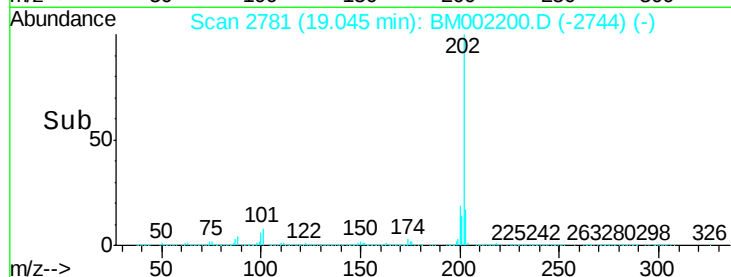
100 6.1 5.2 7.8



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: 68.94 ng/ul

RT: 19.41 min Scan# 2843

Delta R.T. 0.02 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

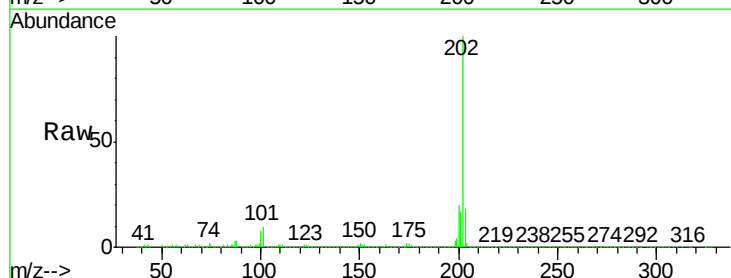
Tgt Ion:202 Resp: 2244369

Ion Ratio Lower Upper

202 100

101 9.7 7.4 11.2

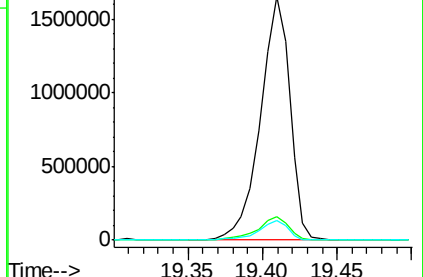
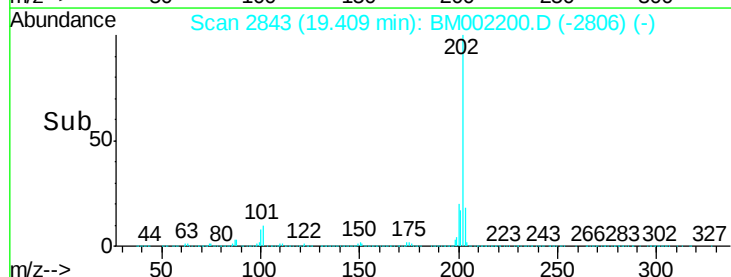
100 8.0 6.3 9.5

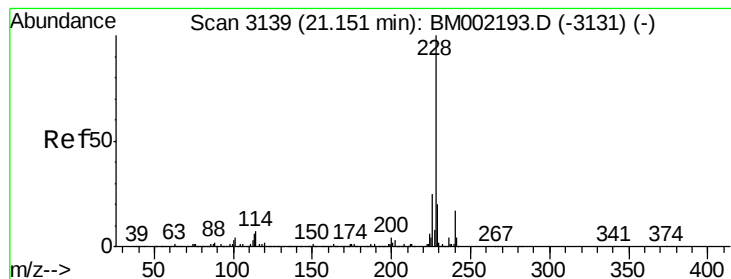


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#83

Benzo(a)anthracene

Concen: 35.33 ng/ul

RT: 21.17 min Scan# 3142

Delta R.T. 0.02 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

Instrument :

BNA_M

ClientSampleId :

C01Q7

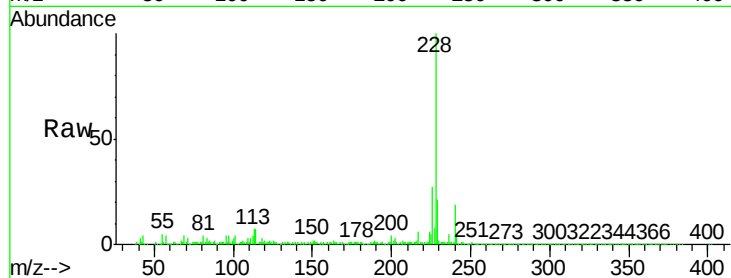
Tgt Ion:228 Resp: 1171843

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.2

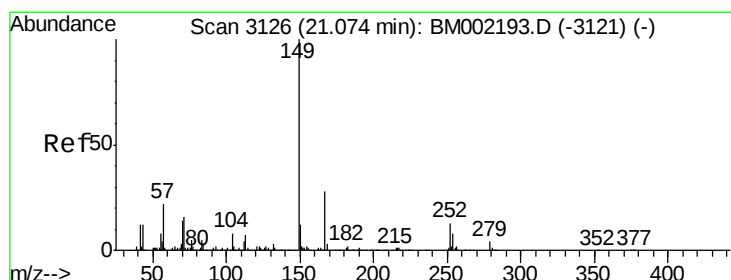
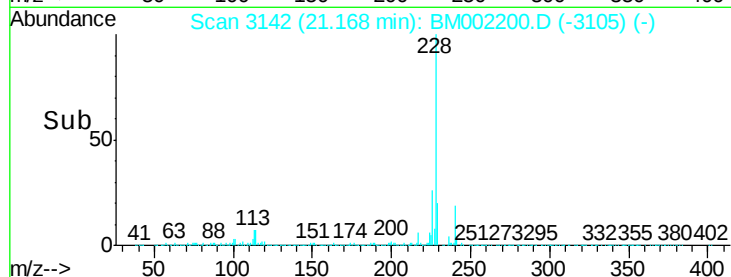
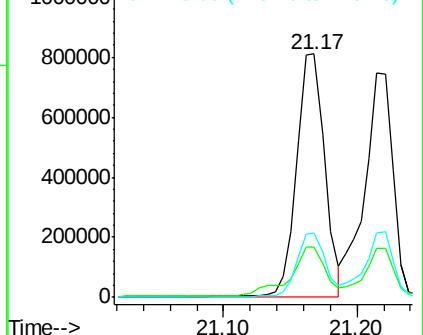
226 26.6 20.5 30.7



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: 6.38 ng/ul

RT: 21.09 min Scan# 3128

Delta R.T. 0.01 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

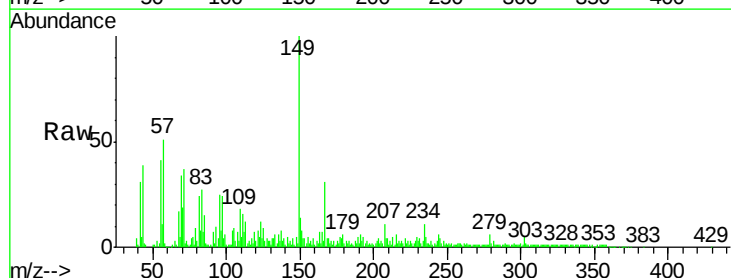
Tgt Ion:149 Resp: 121511

Ion Ratio Lower Upper

149 100

167 31.1 23.6 35.4

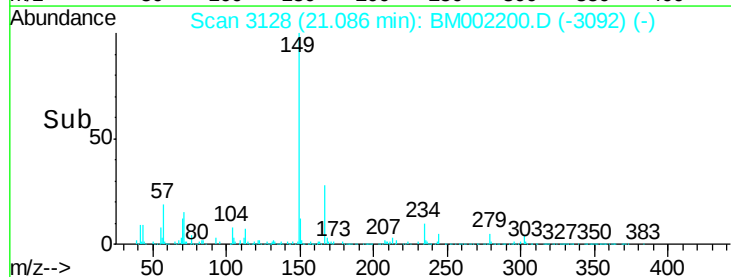
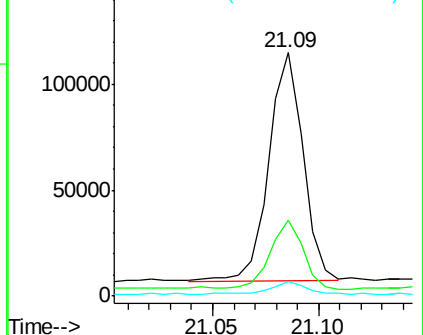
279 6.1 4.2 6.4

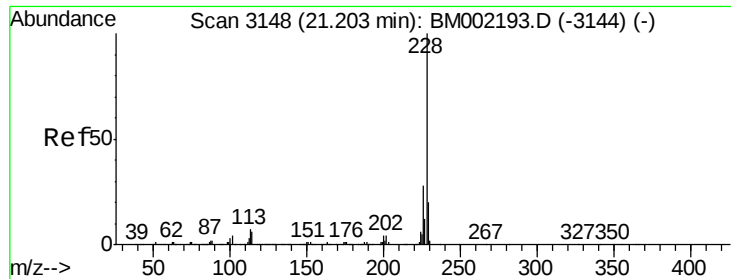


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 35.03 ng/ul

RT: 21.22 min Scan# 3150

Delta R.T. 0.01 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

Instrument :

BNA_M

ClientSampleId :

C01Q7

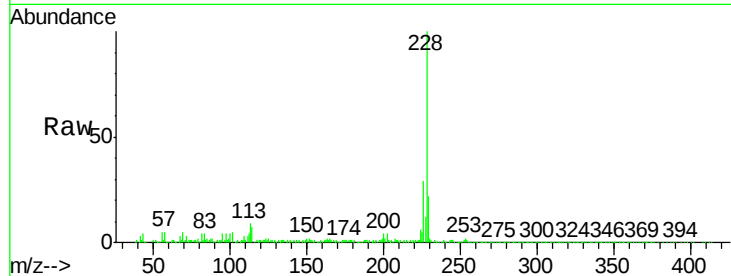
Tgt Ion:228 Resp: 1086818

Ion Ratio Lower Upper

228 100

226 28.8 22.3 33.5

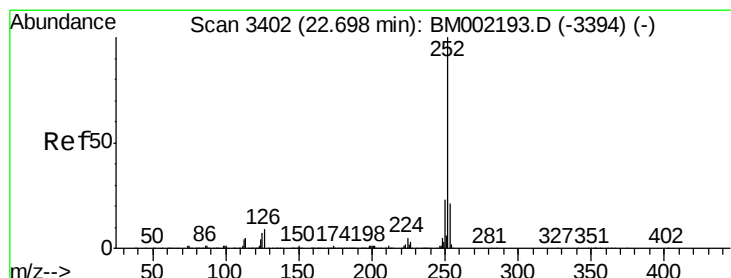
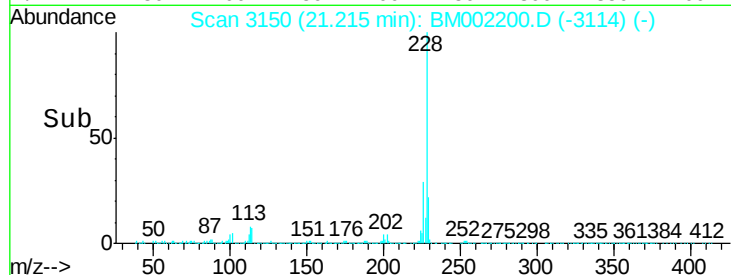
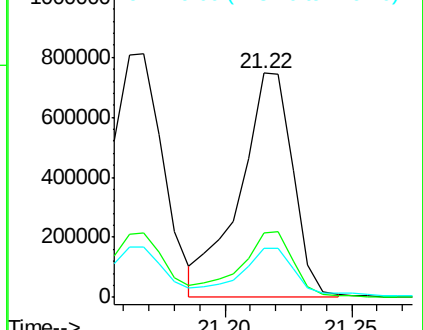
229 22.1 15.5 23.3



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: 42.65 ng/ul

RT: 22.73 min Scan# 3407

Delta R.T. 0.03 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

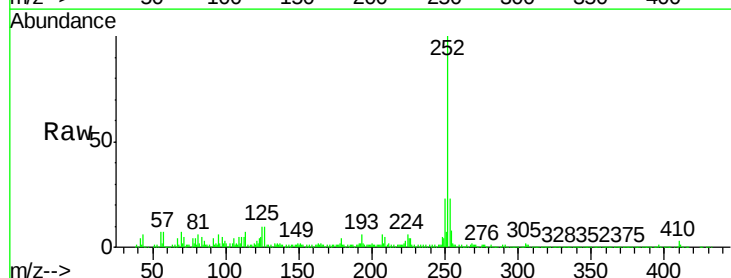
Tgt Ion:252 Resp: 1273827

Ion Ratio Lower Upper

252 100

253 22.6 16.9 25.3

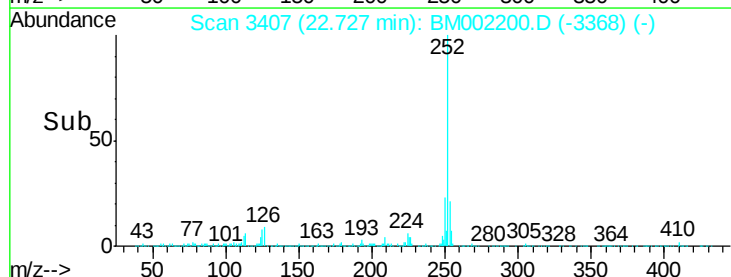
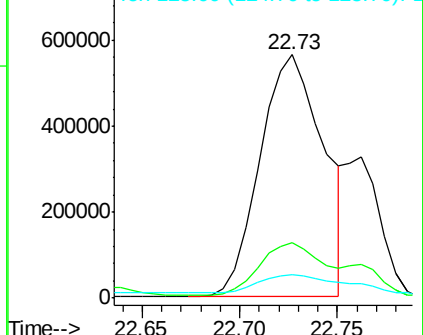
125 9.6 6.2 9.2#

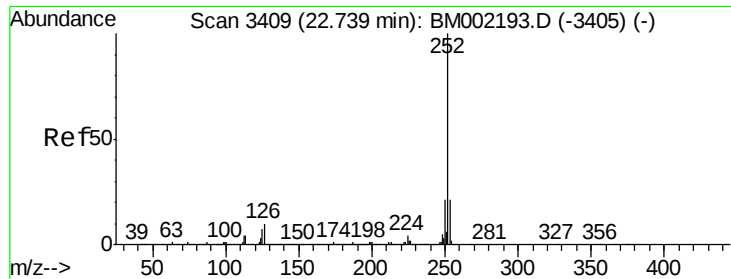


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

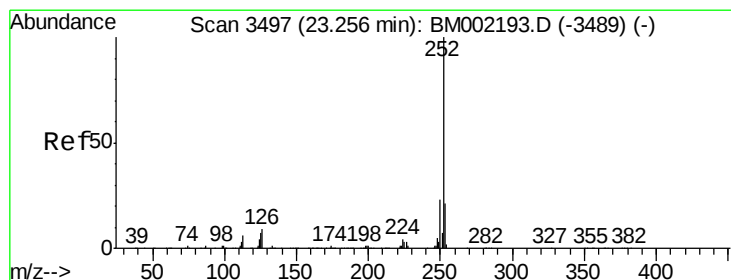
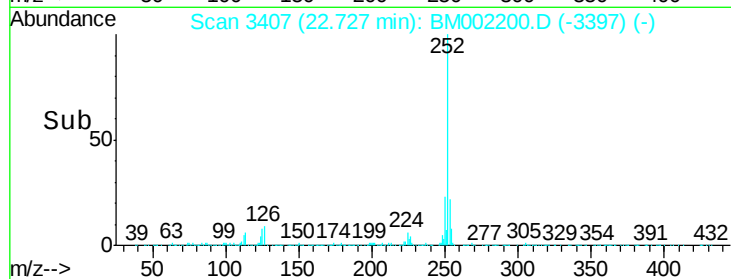
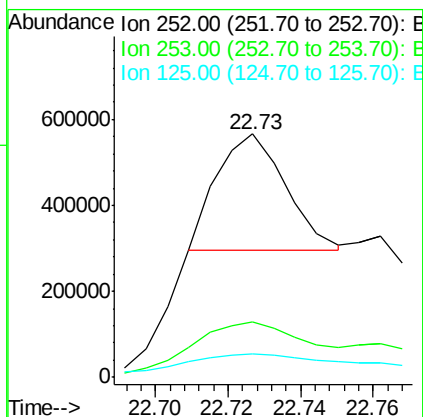
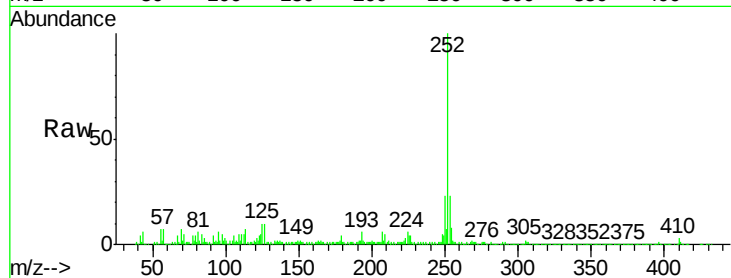




#89
Benzo(k)fluoranthene
Concen: 12.52 ng/ul
RT: 22.73 min Scan# 3407
Delta R.T. -0.01 min
Lab File: BM002200.D
Acq: 03 Aug 2015 16:44

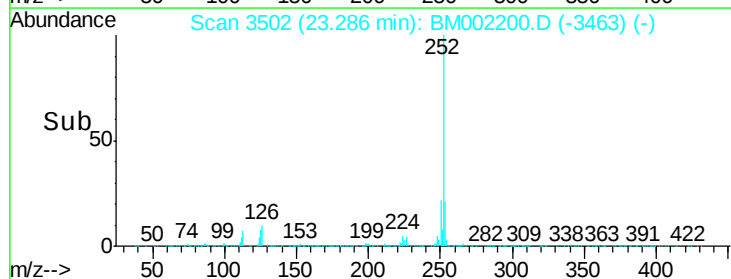
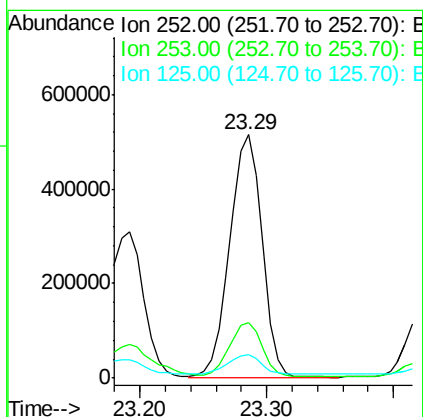
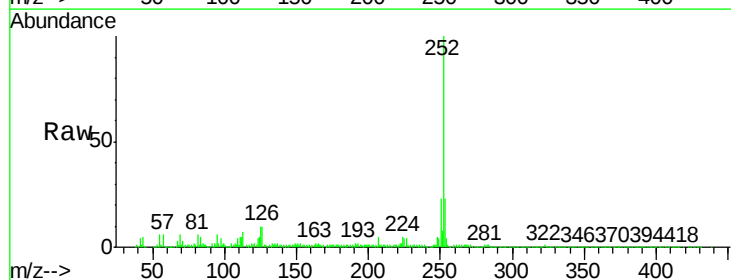
Instrument :
BNA_M
ClientSampleId :
C01Q7

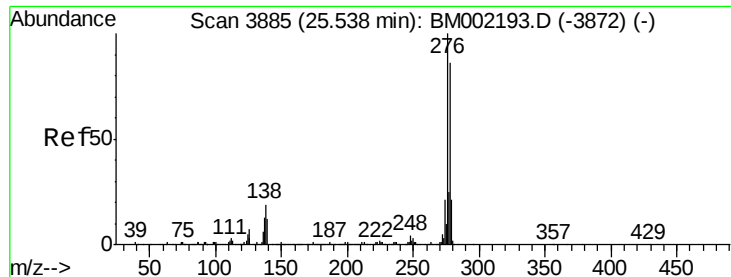
Tgt Ion:252 Resp: 360942
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 9.6 6.2 9.4#



#91
Benzo(a)pyrene
Concen: 31.32 ng/ul
RT: 23.29 min Scan# 3502
Delta R.T. 0.03 min
Lab File: BM002200.D
Acq: 03 Aug 2015 16:44

Tgt Ion:252 Resp: 902953
Ion Ratio Lower Upper
252 100
253 22.9 17.2 25.8
125 9.6 6.6 10.0





#92

Indeno(1,2,3-cd)pyrene

Concen: 17.91 ng/ul

RT: 25.58 min Scan# 3892

Delta R.T. 0.04 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

Instrument :

BNA_M

ClientSampleId :

C01Q7

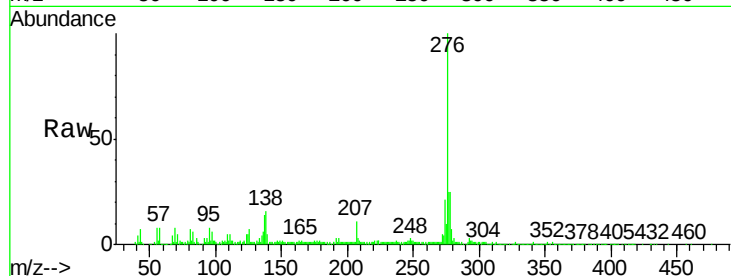
Tgt Ion:276 Resp: 594984

Ion Ratio Lower Upper

276 100

138 16.2 16.2 24.2

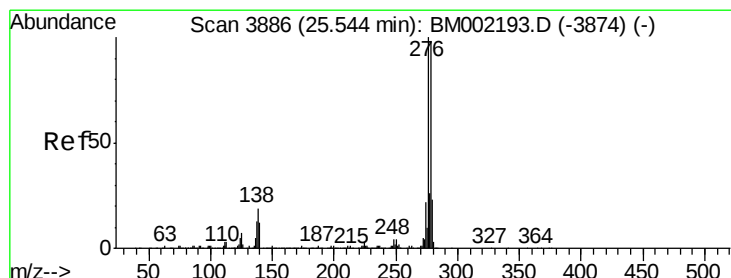
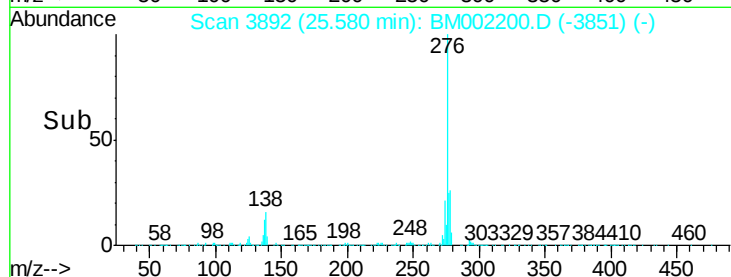
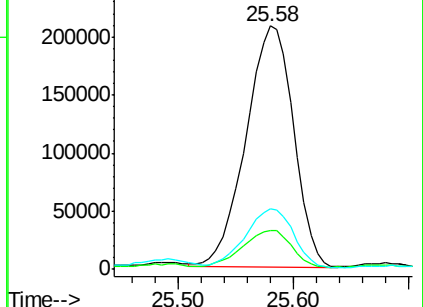
277 25.0 19.8 29.8



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: 5.69 ng/ul

RT: 25.57 min Scan# 3891

Delta R.T. 0.03 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

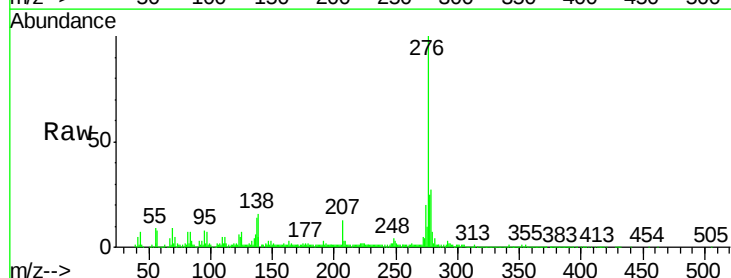
Tgt Ion:278 Resp: 161851

Ion Ratio Lower Upper

278 100

139 17.9 10.6 16.0#

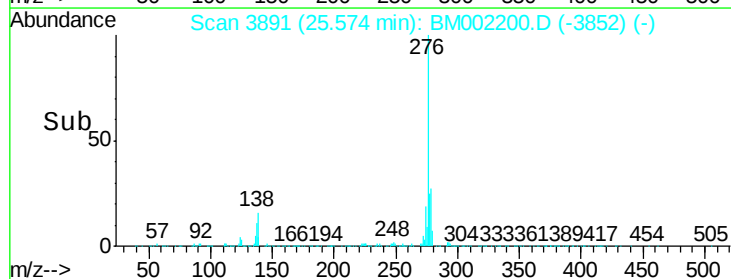
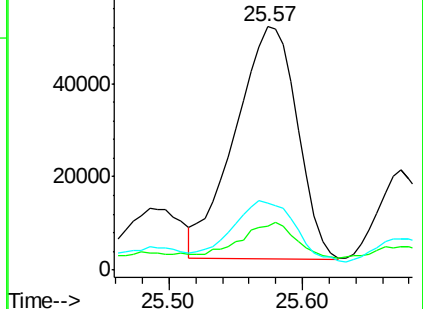
279 27.7 18.5 27.7

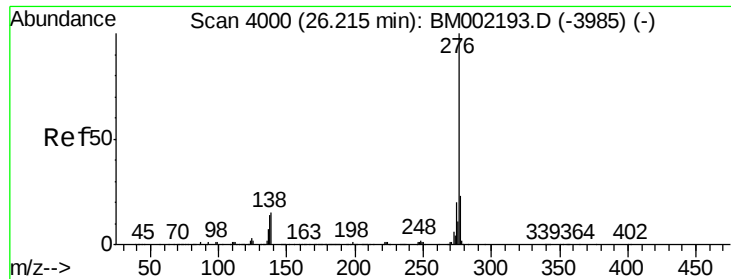


Abundance Ion 278.00 (277.70 to 278.70): E

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: 19.73 ng/ul

RT: 26.26 min Scan# 4008

Delta R.T. 0.05 min

Lab File: BM002200.D

Acq: 03 Aug 2015 16:44

Instrument :

BNA_M

ClientSampleId :

C01Q7

Tgt Ion: 276 Resp: 549498

Ion Ratio Lower Upper

276 100

138 16.2 13.8 20.6

277 25.5 18.2 27.2

