

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122115\
 Data File : BM003697.D
 Acq On : 22 Dec 2015 03:41
 Operator : UM/SJ
 Sample : G4801-17DL 30X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 G9C65DL

Quant Time: Dec 22 04:39:41 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 02:40:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	29247	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	121383	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.35	164	65297	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.09	188	139630	20.00	ng/ul	0.00
78) Chrysene-d12	21.29	240	152959	20.00	ng/ul	0.00
86) Perylene-d12	23.53	264	150680	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.87	99	504	0.20	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	249	0.19	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	415	0.21	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	522	0.24	ng/ul	-0.18
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	0.00	165	0	0.00	ng/ul	
29) 4-Chloroaniline-d4	10.60	131	706	0.29	ng/ul	-0.02
44) Dimethylphthalate-d6	13.75	166	2587	0.48	ng/ul	0.00
47) Acenaphthylene-d8	14.04	160	3034	0.49	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.34	176	2868	0.64	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.19	188	4055	0.64	ng/ul	0.00
79) Pyrene-d10	19.49	212	4537	0.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.39	264	4269	0.57	ng/ul	0.00

Target Compounds

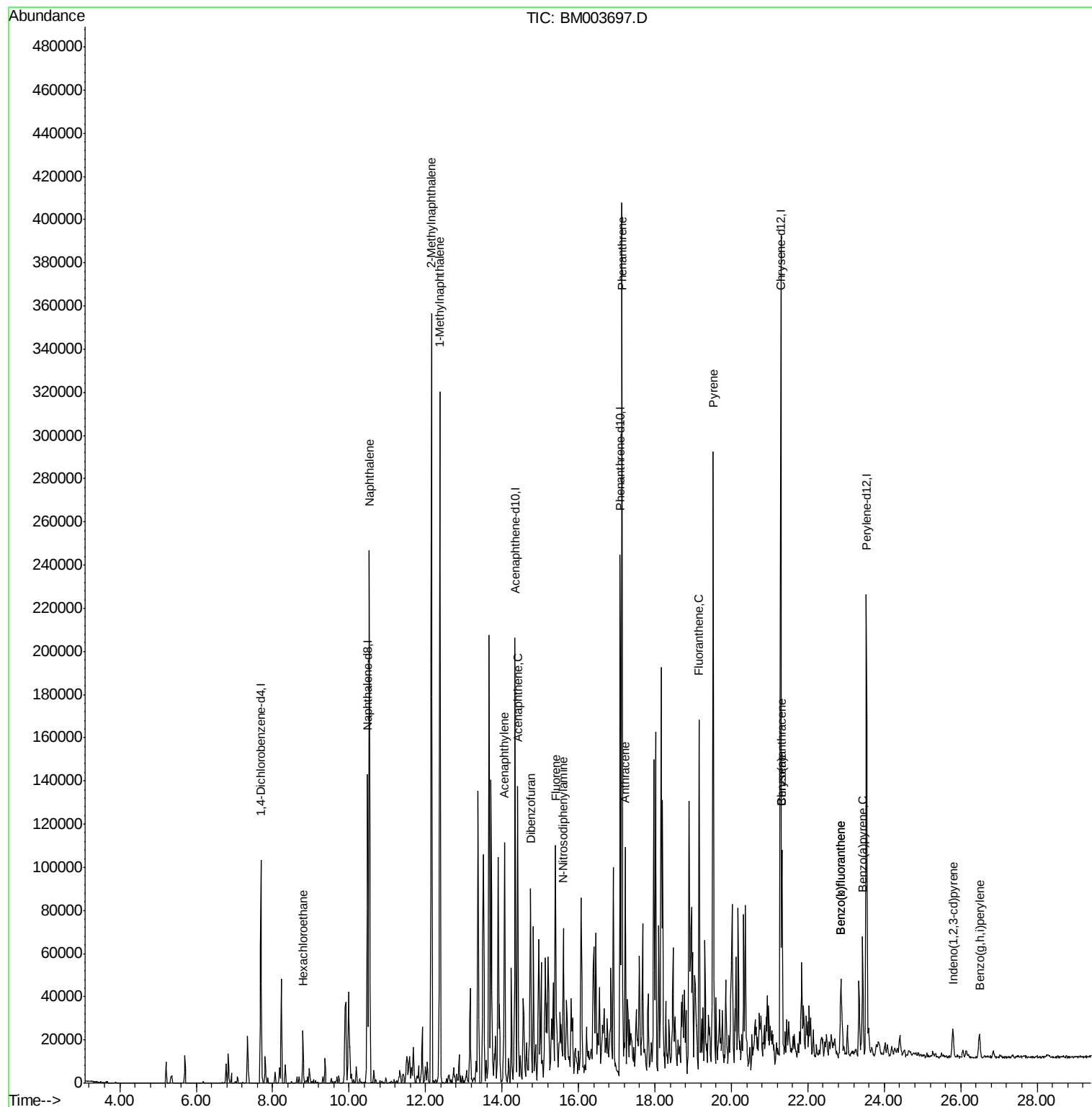
						Qvalue
17) Hexachloroethane	8.79	117	2853	3.59	ng/ul#	7
28) Naphthalene	10.53	128	211767	33.86	ng/ul	100
34) 2-Methylnaphthalene	12.15	142	167507	35.87	ng/ul	99
35) 1-Methylnaphthalene	12.37	142	149149	33.62	ng/ul	99
48) Acenaphthylene	14.06	152	36244	5.39	ng/ul#	91
50) Acenaphthene	14.41	153	54417	12.13	ng/ul	100
54) Dibenzofuran	14.75	168	10954	1.71	ng/ul#	76
59) Fluorene	15.40	166	49360	9.60	ng/ul	98
65) N-Nitrosodiphenylamine	15.61	169	5643	1.38	ng/ul#	78
70) Phenanthrene	17.14	178	241376	31.25	ng/ul	100
72) Anthracene	17.23	178	61760	7.84	ng/ul	99
77) Fluoranthene	19.16	202	77557	8.74	ng/ul	99
80) Pyrene	19.52	202	172411	19.59	ng/ul	100
83) Benzo(a)anthracene	21.33	228	53541	5.81	ng/ul	91
85) Chrysene	21.33	228	54754	6.16	ng/ul	95
88) Benzo(b)fluoranthene	22.86	252	41406	4.56	ng/ul	99
89) Benzo(k)fluoranthene	22.86	252	43856	5.10	ng/ul	98
91) Benzo(a)pyrene	23.43	252	41926	4.83	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.79	276	14378	1.54	ng/ul	95
94) Benzo(g,h,i)perylene	26.49	276	15670	2.04	ng/ul	99

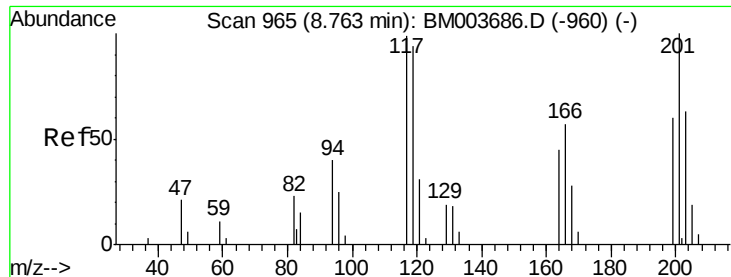
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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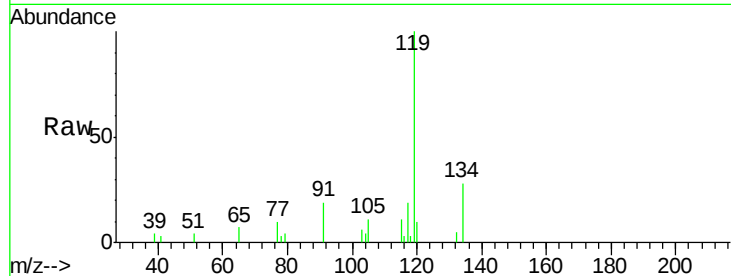




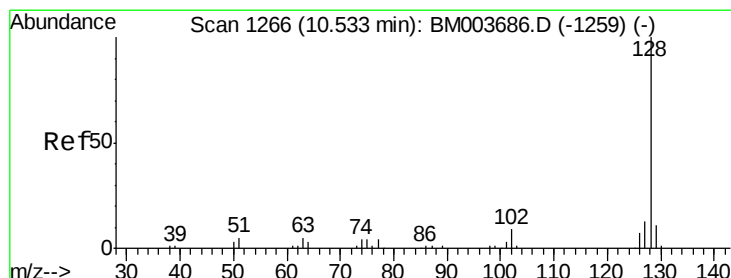
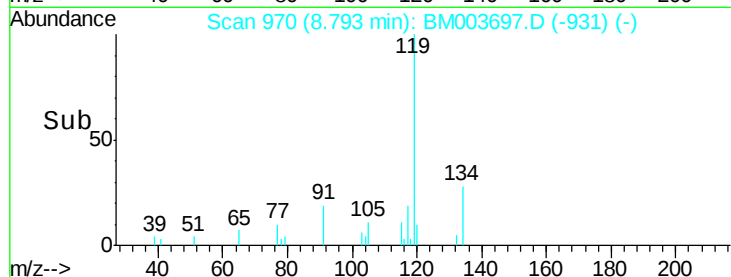
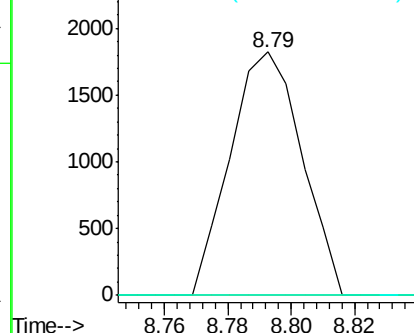
#17
Hexachloroethane
Concen: 3.59 ng/ul
RT: 8.79 min Scan# 970
Delta R.T. 0.03 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Instrument :
BNA_M
ClientSampleId :
G9C65DL

Tgt Ion:117 Resp: 2853
Ion Ratio Lower Upper
117 100
201 0.0 81.5 122.3#
199 0.0 50.6 76.0#

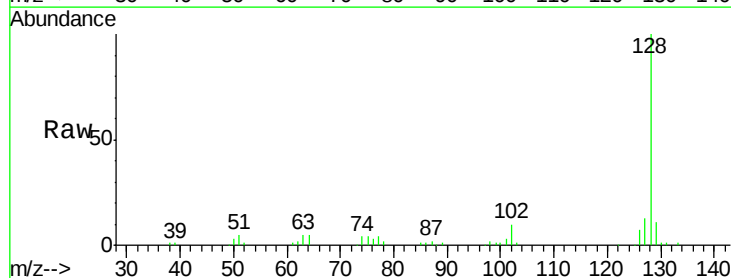


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

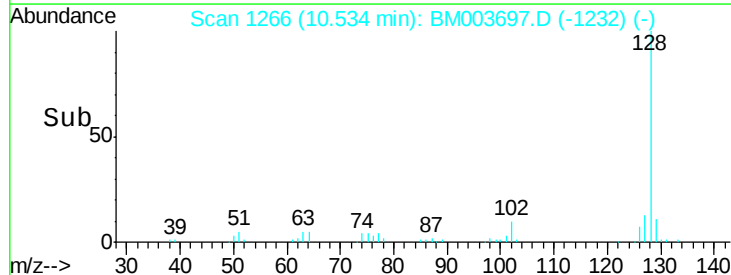
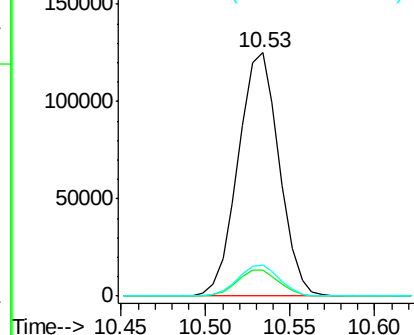


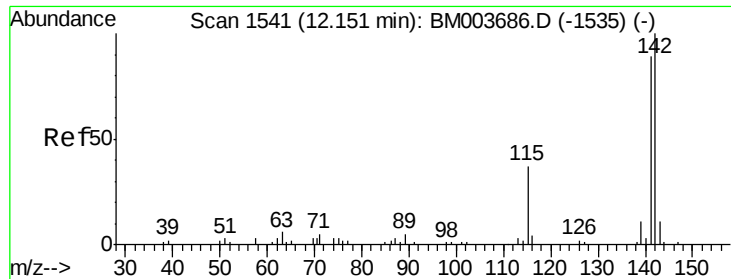
#28
Naphthalene
Concen: 33.86 ng/ul
RT: 10.53 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Tgt Ion:128 Resp: 211767
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.0 10.5 15.7



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

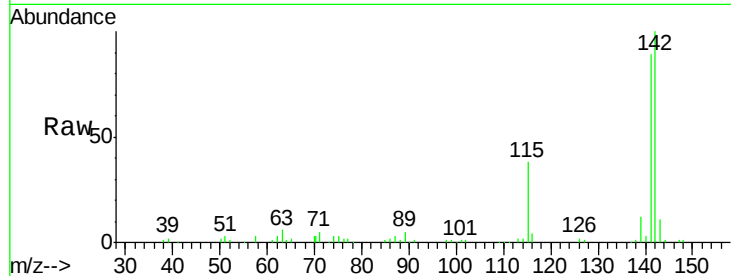




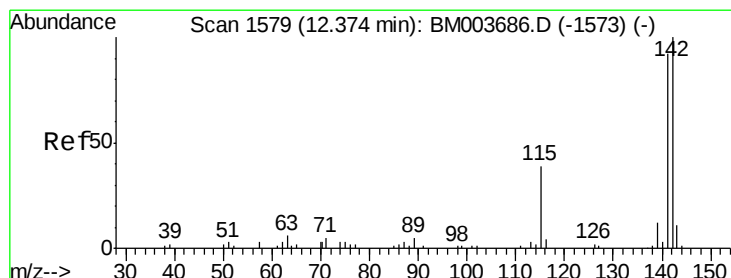
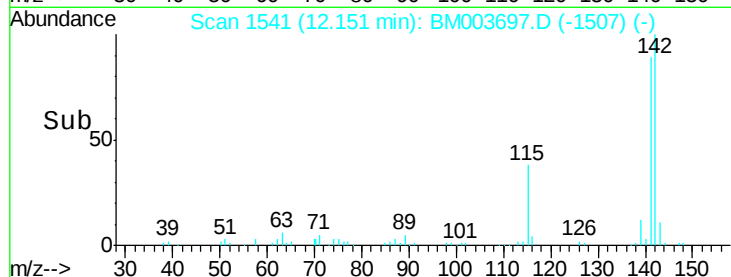
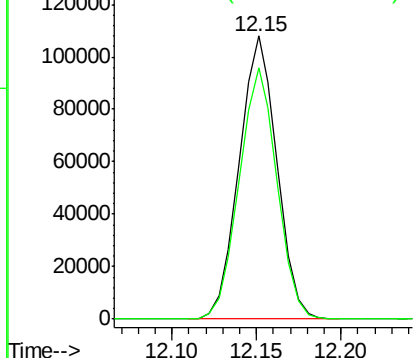
#34
2-Methylnaphthalene
Concen: 35.87 ng/ul
RT: 12.15 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Instrument :
BNA_M
ClientSampleId :
G9C65DL

Tgt Ion:142 Resp: 167507
Ion Ratio Lower Upper
142 100
141 88.8 71.6 107.4

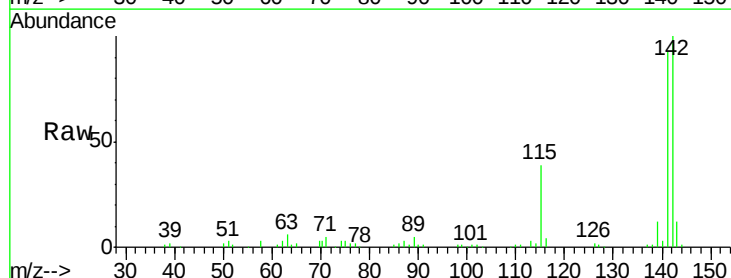


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

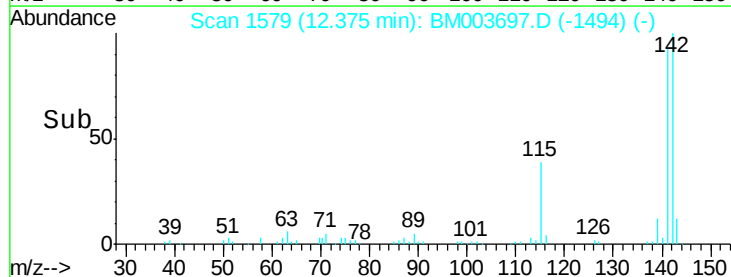
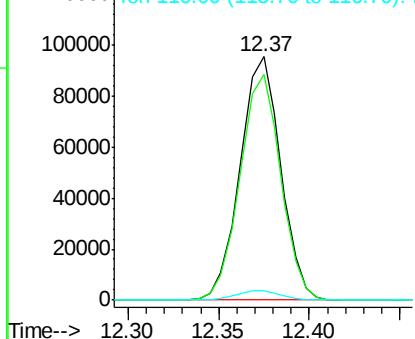


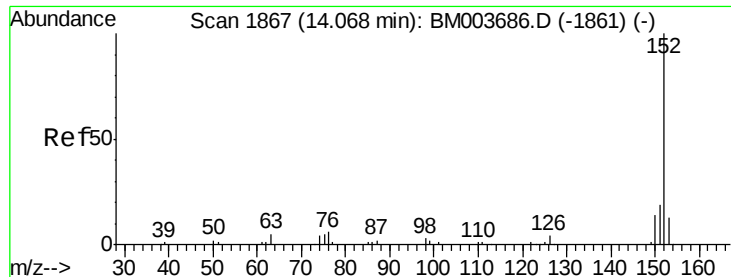
#35
1-Methylnaphthalene
Concen: 33.62 ng/ul
RT: 12.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BM003697.D
Acq: 22 Dec 2015 03:41

Tgt Ion:142 Resp: 149149
Ion Ratio Lower Upper
142 100
141 92.8 74.9 112.3
116 3.9 3.1 4.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





#48

Acenaphthylene

Concen: 5.39 ng/ul

RT: 14.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Instrument :

BNA_M

ClientSampleId :

G9C65DL

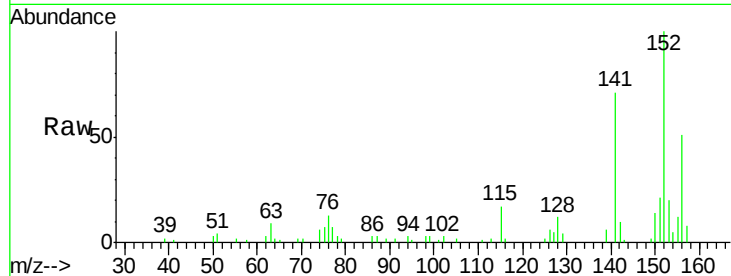
Tgt Ion:152 Resp: 36244

Ion Ratio Lower Upper

152 100

151 20.8 15.7 23.5

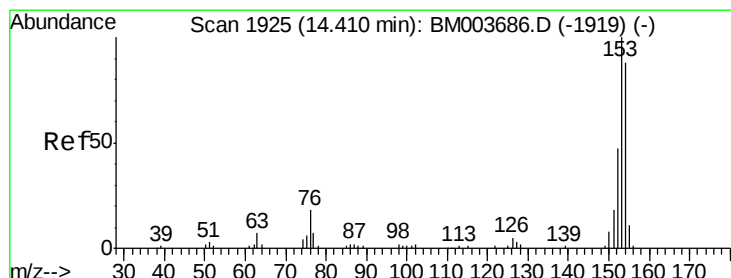
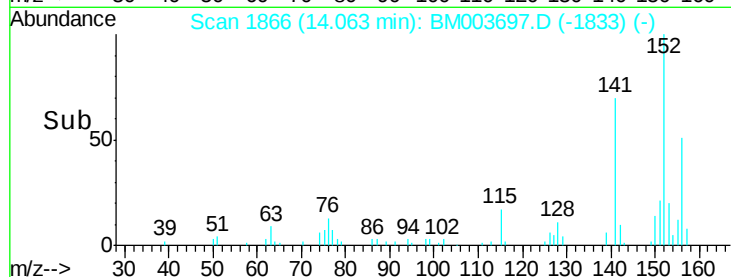
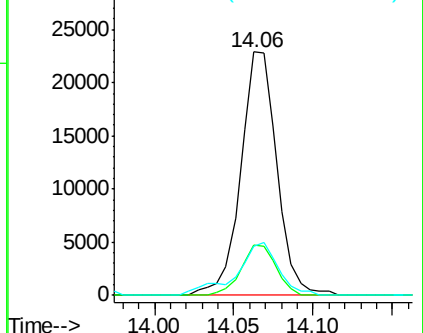
153 20.2 10.5 15.7#



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: 12.13 ng/ul

RT: 14.41 min Scan# 1925

Delta R.T. 0.00 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

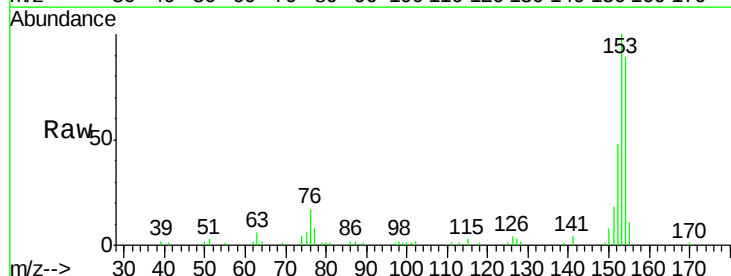
Tgt Ion:153 Resp: 54417

Ion Ratio Lower Upper

153 100

152 47.9 38.3 57.5

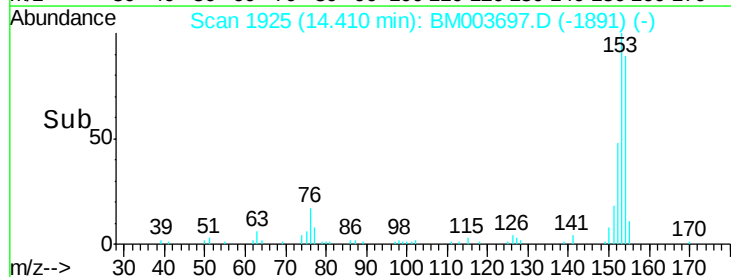
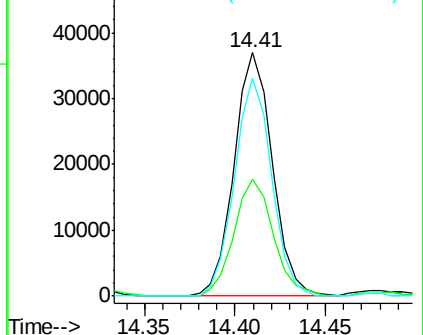
154 89.5 71.8 107.8

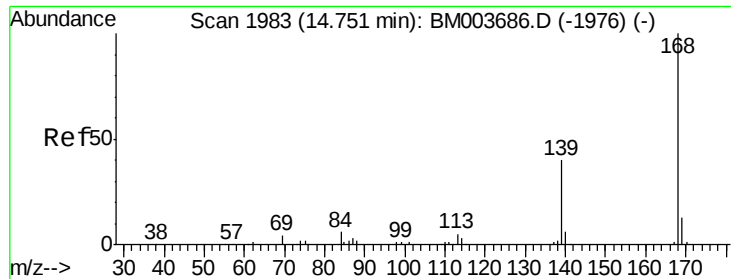


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.71 ng/ul

RT: 14.75 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Instrument :

BNA_M

ClientSampleId :

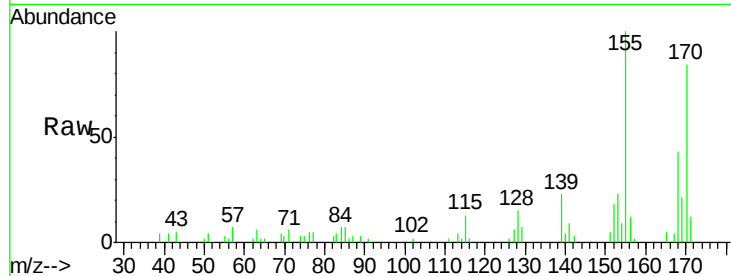
G9C65DL

Tgt Ion:168 Resp: 10954

Ion Ratio Lower Upper

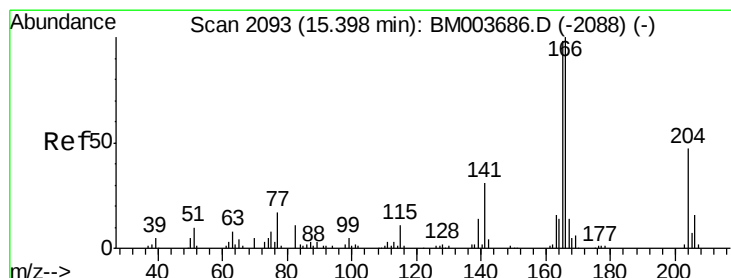
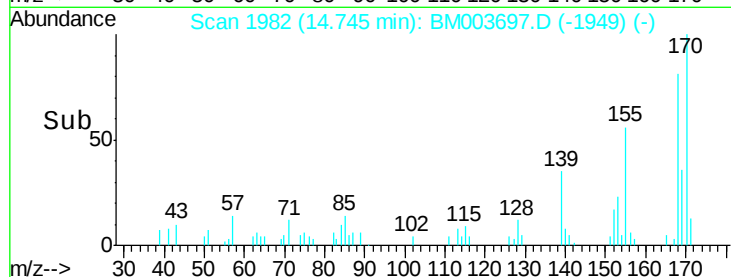
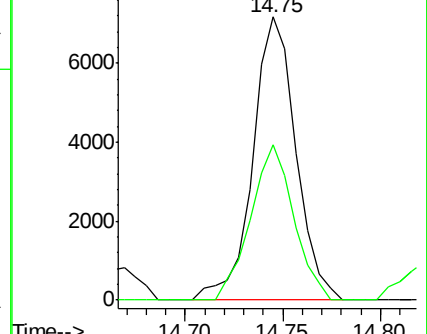
168 100

139 55.0 32.2 48.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 9.60 ng/ul

RT: 15.40 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

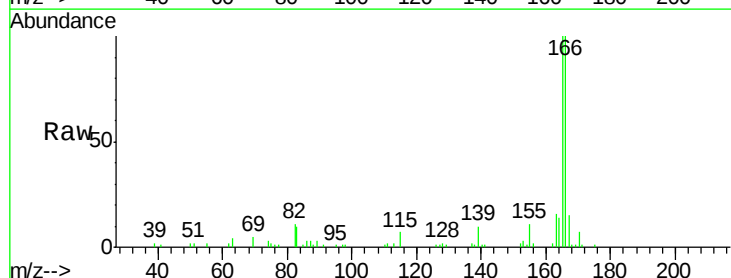
Tgt Ion:166 Resp: 49360

Ion Ratio Lower Upper

166 100

165 100.4 78.5 117.7

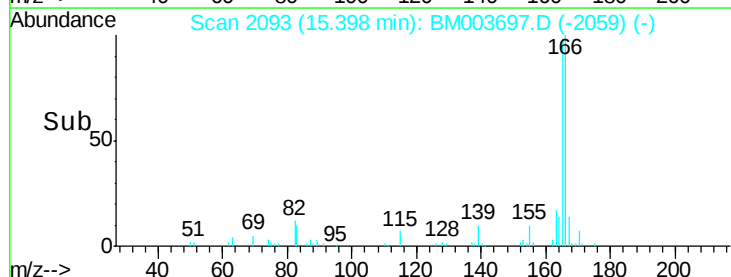
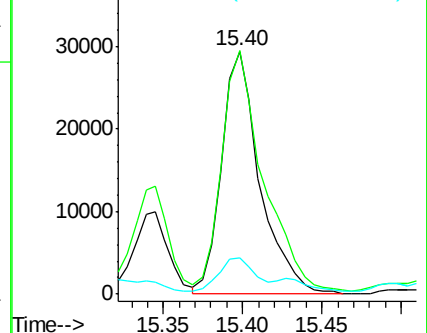
167 14.7 10.7 16.1

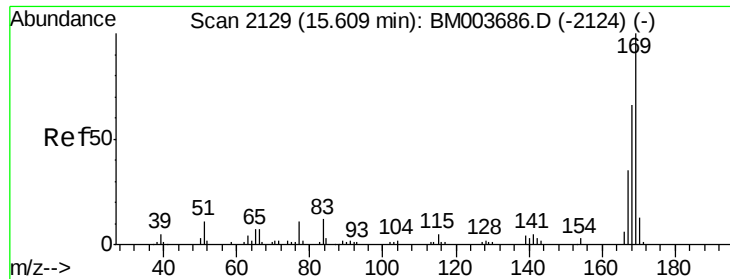


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

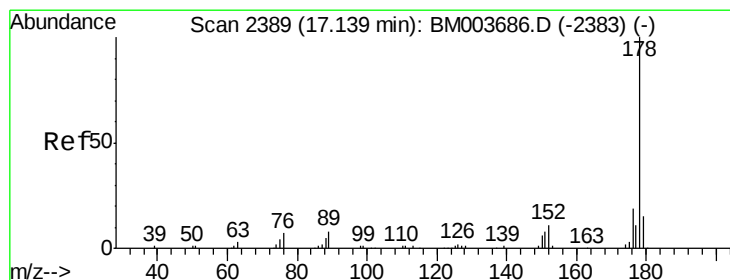
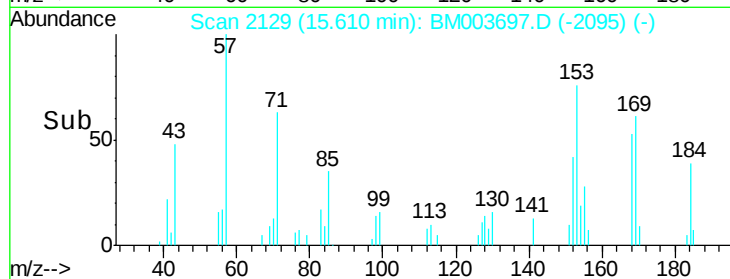
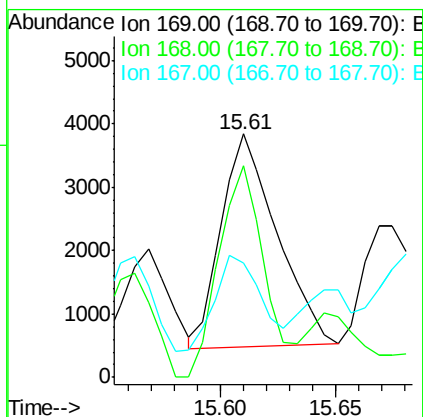
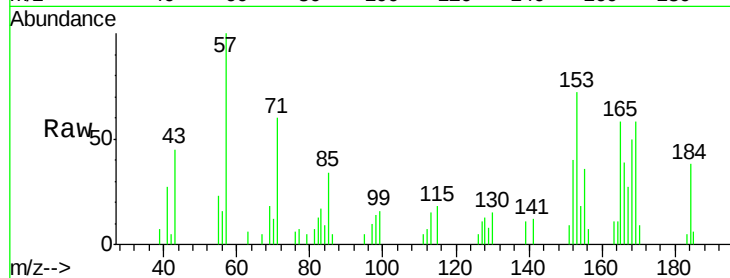




#65
 N-Nitrosodiphenylamine
 Concen: 1.38 ng/ul
 RT: 15.61 min Scan# 2129
 Delta R.T. 0.00 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

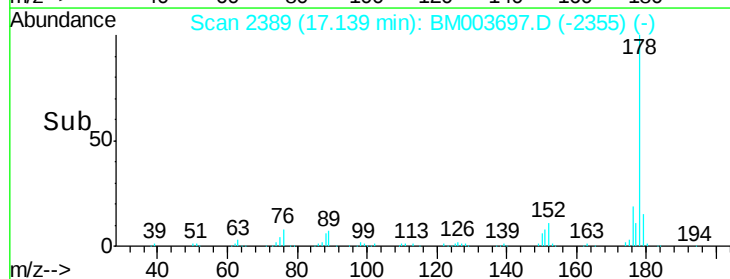
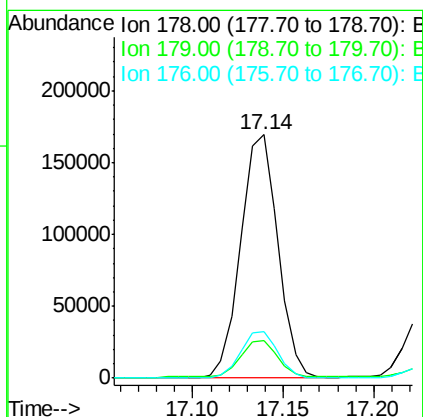
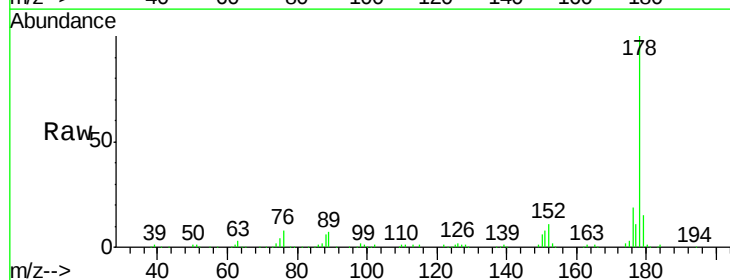
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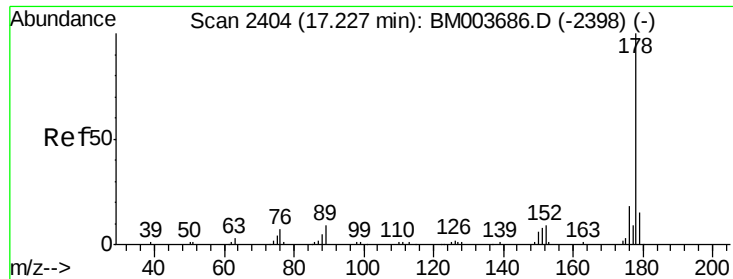
Tgt Ion:169 Resp: 5643
 Ion Ratio Lower Upper
 169 100
 168 87.0 53.8 80.8#
 167 46.9 29.3 43.9#



#70
 Phenanthrene
 Concen: 31.25 ng/ul
 RT: 17.14 min Scan# 2389
 Delta R.T. 0.00 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

Tgt Ion:178 Resp: 241376
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.2 18.4
 176 19.3 15.6 23.4





#72

Anthracene

Concen: 7.84 ng/ul

RT: 17.23 min Scan# 2404

Delta R.T. 0.00 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Instrument :

BNA_M

ClientSampleId :

G9C65DL

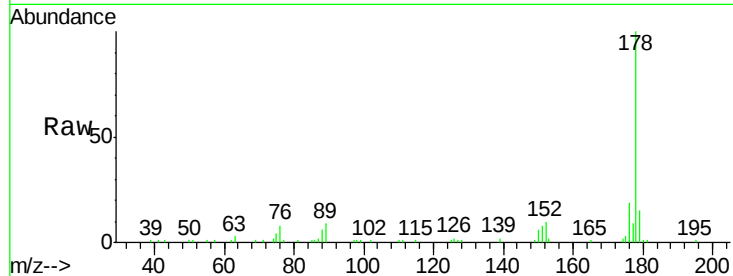
Tgt Ion:178 Resp: 61760

Ion Ratio Lower Upper

178 100

179 15.3 12.1 18.1

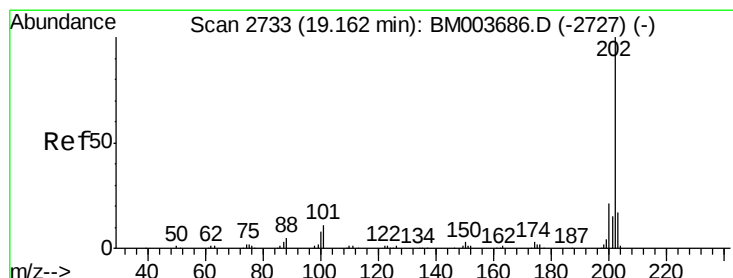
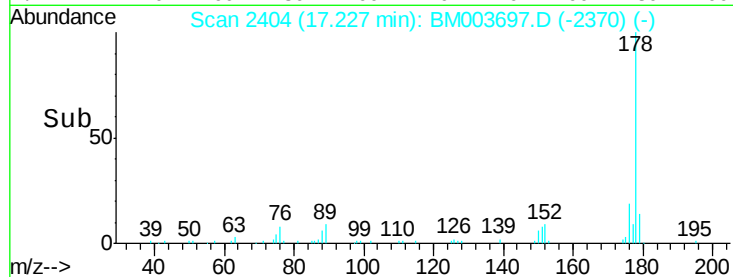
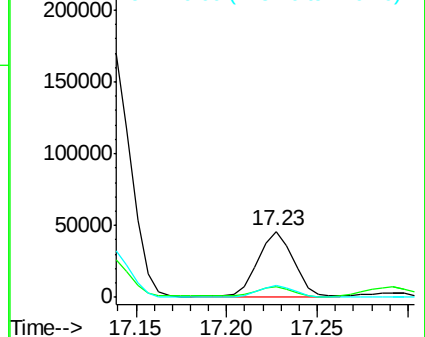
176 18.8 14.8 22.2



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



#77

Fluoranthene

Concen: 8.74 ng/ul

RT: 19.16 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

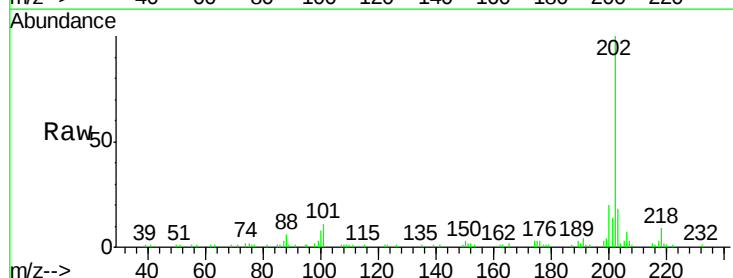
Tgt Ion:202 Resp: 77557

Ion Ratio Lower Upper

202 100

101 11.4 8.8 13.2

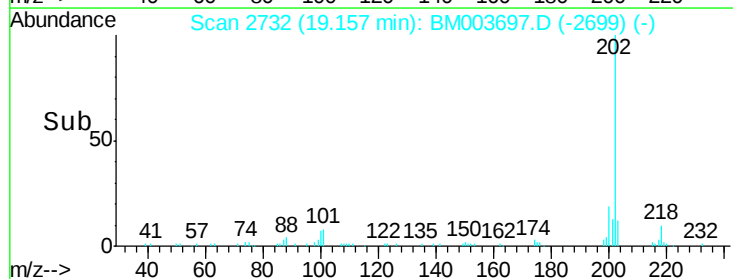
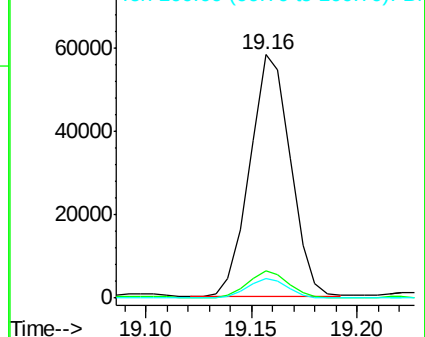
100 7.9 6.6 9.8

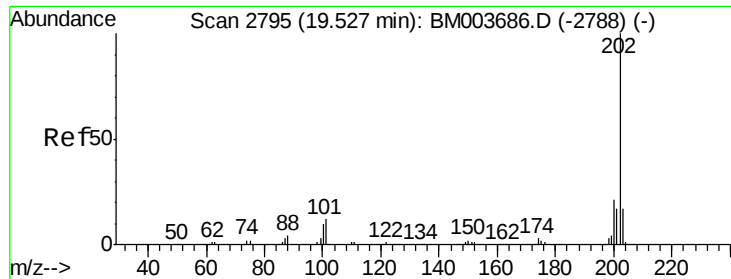


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

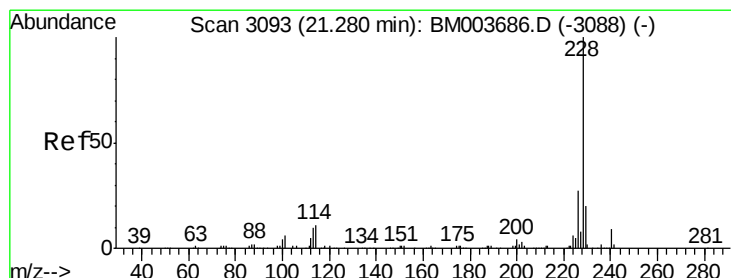
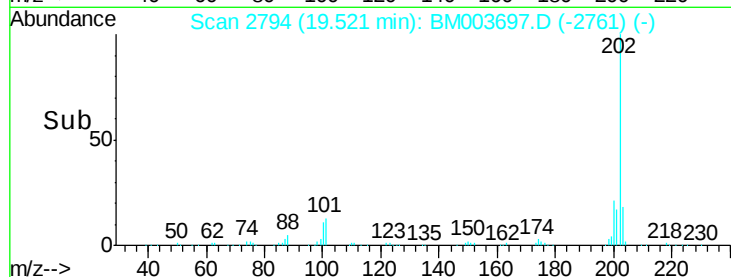
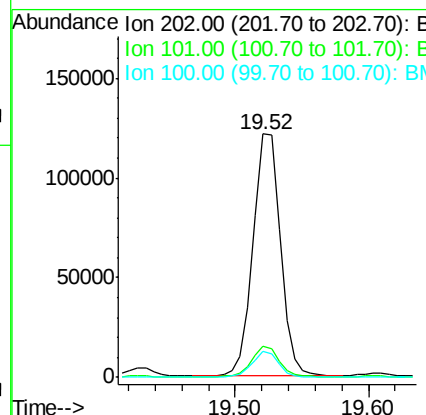
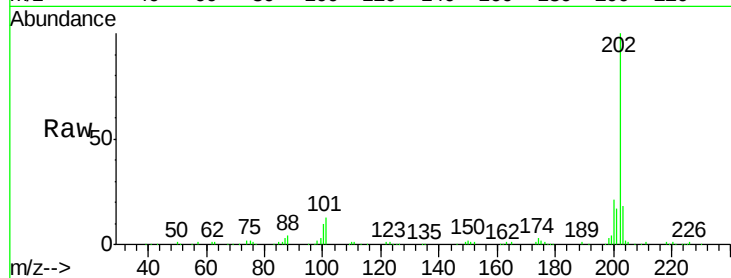




#80
 Pyrene
 Concen: 19.59 ng/ul
 RT: 19.52 min Scan# 2794
 Delta R.T. -0.01 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

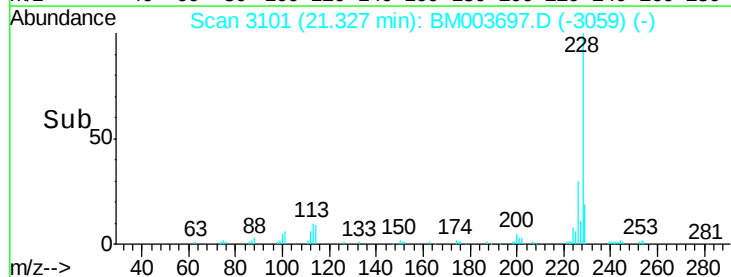
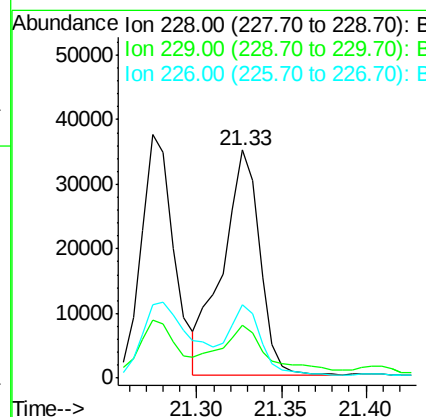
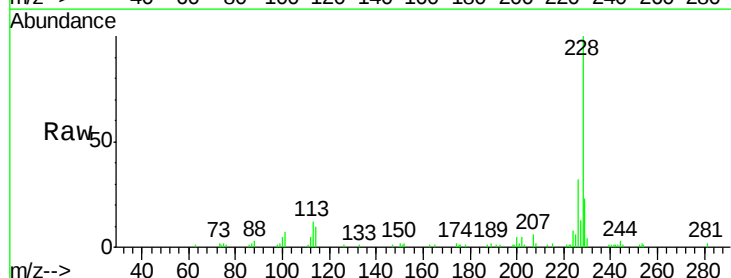
Instrument :
 BNA_M
 ClientSampleId :
 G9C65DL

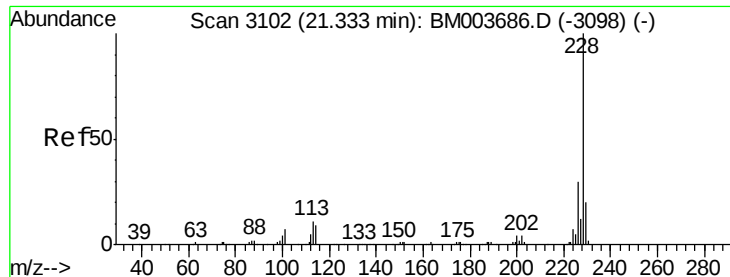
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.9	10.2	15.2
100	10.5	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 5.81 ng/ul
 RT: 21.33 min Scan# 3101
 Delta R.T. 0.05 min
 Lab File: BM003697.D
 Acq: 22 Dec 2015 03:41

Tgt Ion	Ratio	Lower	Upper
228	100		
229	23.1	15.7	23.5
226	31.9	21.8	32.6





#85

Chrysene

Concen: 6.16 ng/u1

RT: 21.33 min Scan# 3101

Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Instrument :

BNA_M

ClientSampleId :

G9C65DL

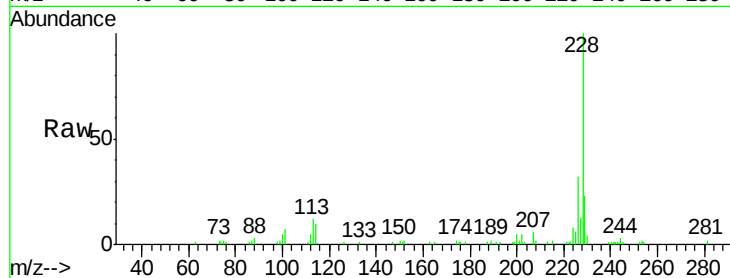
Tgt Ion:228 Resp: 54754

Ion Ratio Lower Upper

228 100

226 31.9 24.0 36.0

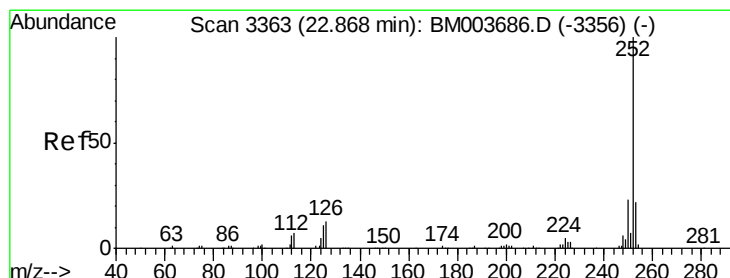
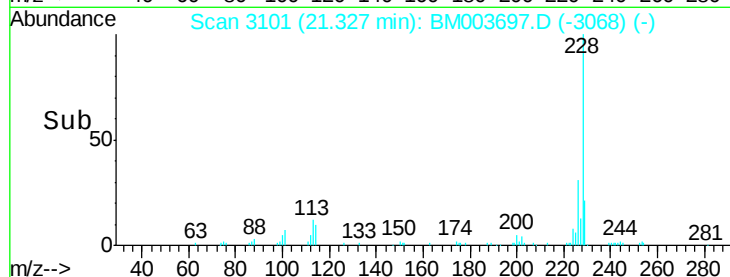
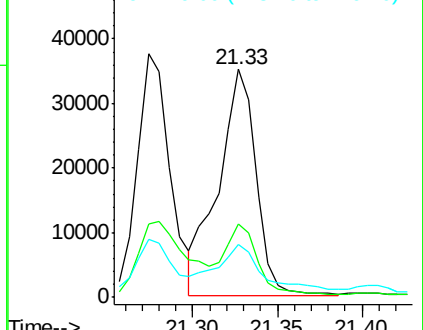
229 23.1 15.6 23.4



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: 4.56 ng/u1

RT: 22.86 min Scan# 3362

Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

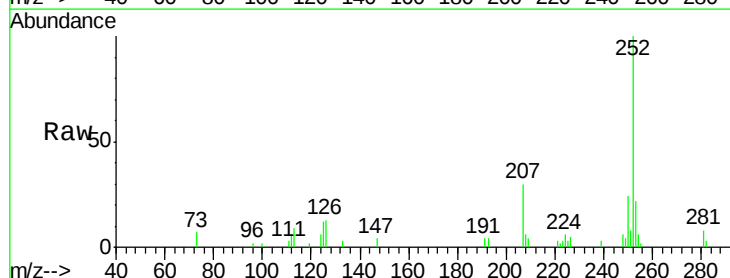
Tgt Ion:252 Resp: 41406

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

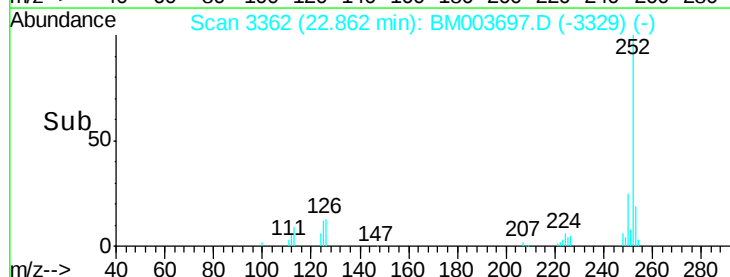
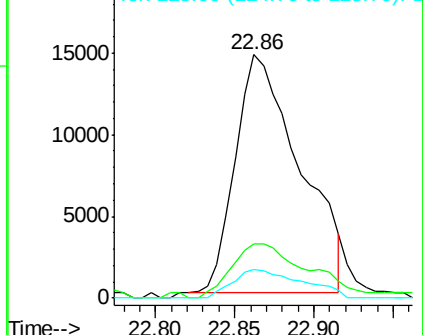
125 11.7 8.5 12.7

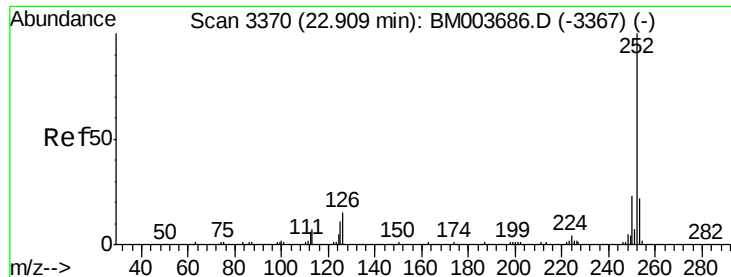


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.10 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. -0.05 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

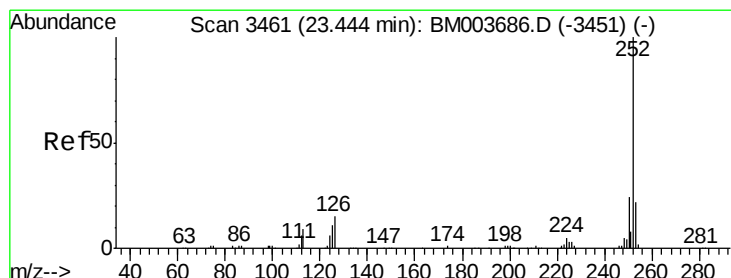
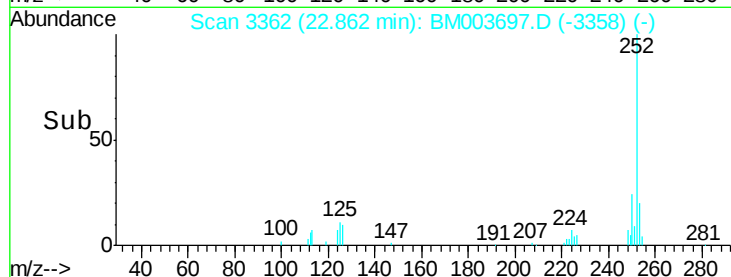
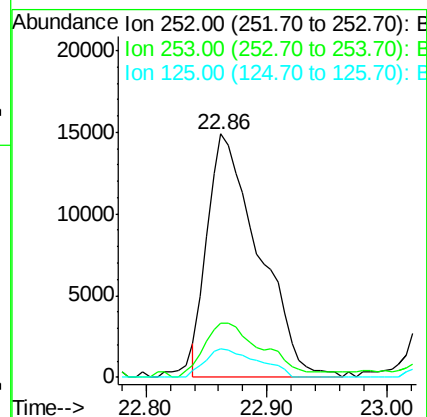
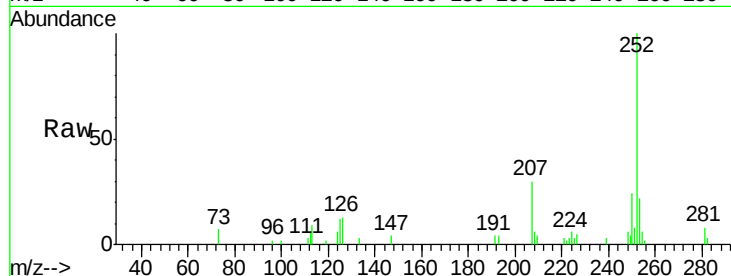
Instrument :

BNA_M

ClientSampleId :

G9C65DL

Tgt Ion:	252	Resp:	43856
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	11.7	8.2	12.2



#91

Benzo(a)pyrene

Concen: 4.83 ng/ul

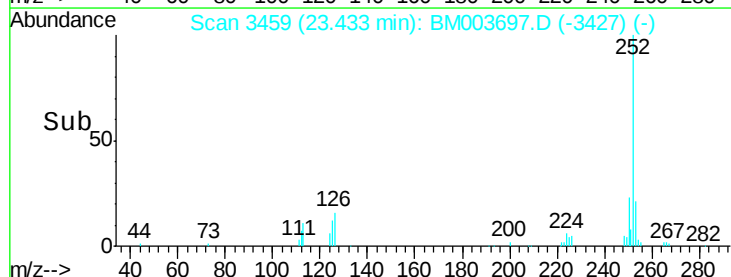
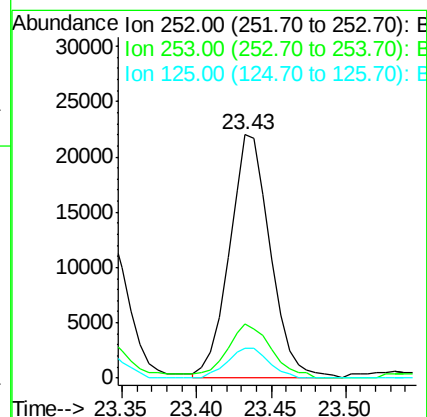
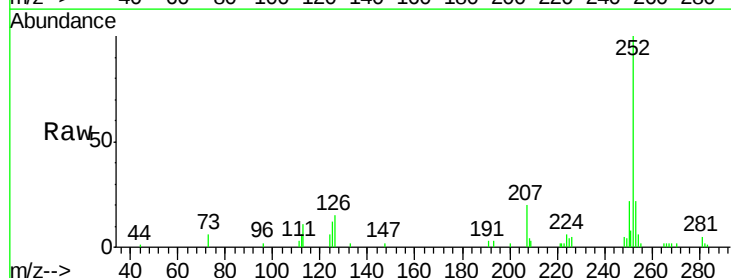
RT: 23.43 min Scan# 3459

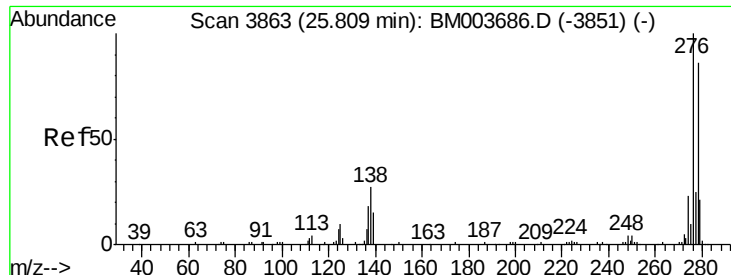
Delta R.T. -0.01 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Tgt Ion:	252	Resp:	41926
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	12.2	9.0	13.6





#92

Indeno(1,2,3-cd)pyrene

Concen: 1.54 ng/ul

RT: 25.79 min Scan# 3860

Delta R.T. -0.02 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

Instrument :

BNA_M

ClientSampleId :

G9C65DL

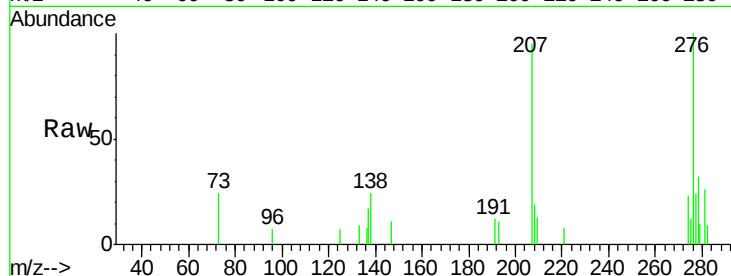
Tgt Ion:276 Resp: 14378

Ion Ratio Lower Upper

276 100

138 24.1 22.3 33.5

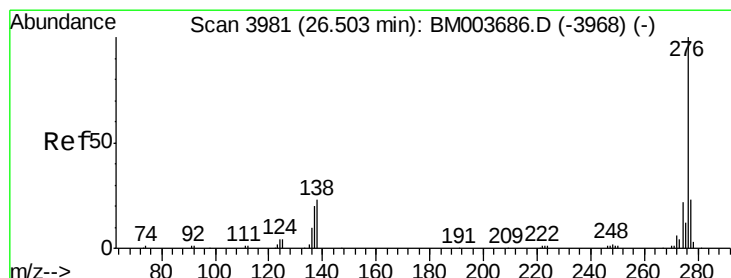
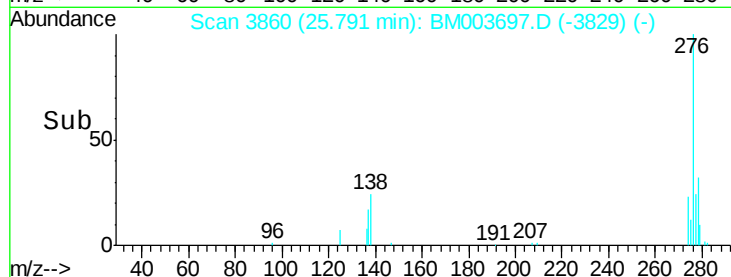
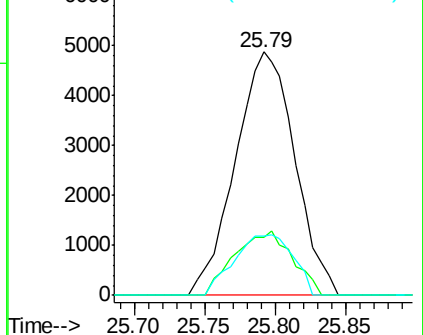
277 24.1 20.2 30.2



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



#94

Benzo(g,h,i)perylene

Concen: 2.04 ng/ul

RT: 26.49 min Scan# 3978

Delta R.T. -0.02 min

Lab File: BM003697.D

Acq: 22 Dec 2015 03:41

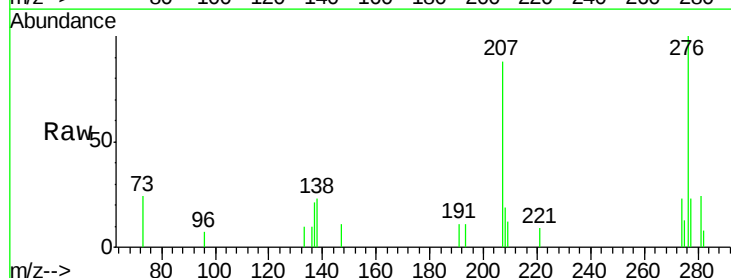
Tgt Ion:276 Resp: 15670

Ion Ratio Lower Upper

276 100

138 23.5 18.9 28.3

277 23.3 19.2 28.8



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

