

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061515\
 Data File : BM001702.D
 Acq On : 15 Jun 2015 16:44
 Operator : TP/IZ
 Sample : G2610-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1W48

Quant Time: Jun 16 03:53:36 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 15 19:33:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	58466	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	220670	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	132285	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	316841	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	398989	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	412290	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	2594	2.12	ng/uL	0.00
5) Phenol-d5	6.83	99	49148	10.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	82783	32.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	107214	30.19	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	83545	23.18	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	51451	33.68	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	58783	35.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	123154	34.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	9137	2.51	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	372099	37.93	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	462396	35.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	22298	12.32	ng/ul	0.00
57) Fluorene-d10	15.32	176	342923	37.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	69388	35.85	ng/ul	0.00
70) Anthracene-d10	17.17	188	577466	39.13	ng/ul	0.00
78) Pyrene-d10	19.46	212	675659	39.98	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	726767	39.99	ng/ul	0.00

Target Compounds

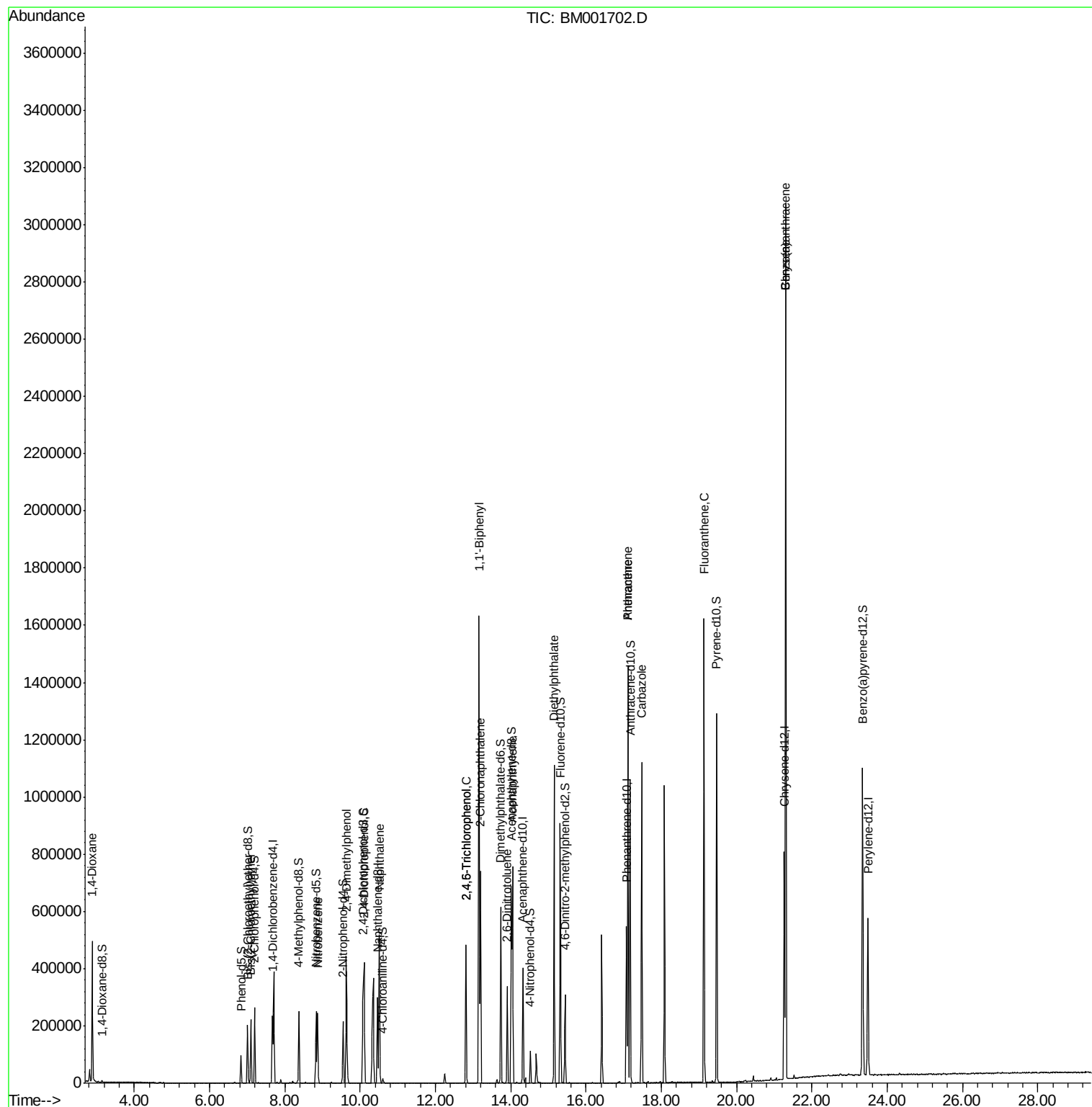
						Qvalue
2) 1,4-Dioxane	2.89	88	3748	2.68	ng/uL#	1
8) Bis(2-Chloroethyl)ether	7.10	93	114413	32.87	ng/ul	99
20) Nitrobenzene	8.87	77	123972	29.98	ng/ul	98
24) 2,4-Dimethylphenol	9.63	107	152402	36.05	ng/ul	96
27) 2,4-Dichlorophenol	10.10	162	129206	37.25	ng/ul	95
28) Naphthalene	10.51	128	396485	35.58	ng/ul	99
38) 2,4,6-Trichlorophenol	12.81	196	124265	43.20	ng/ul	94
39) 2,4,5-Trichlorophenol	12.81	196	124265	39.48	ng/ul	98
40) 1,1'-Biphenyl	13.15	154	838729	77.68	ng/ul	99
41) 2-Chloronaphthalene	13.19	162	346922	40.98	ng/ul	99
45) 2,6-Dinitrotoluene	13.90	165	59490	29.52	ng/ul	96
47) Acenaphthylene	14.05	152	528534	40.31	ng/ul	100
56) Diethylphthalate	15.15	149	546452	53.60	ng/ul	98
69) Phenanthrene	17.11	178	844970	49.18	ng/ul	99
71) Anthracene	17.11	178	844970	47.90	ng/ul	98
74) Carbazole	17.47	167	673151	43.49	ng/ul	99
76) Fluoranthene	19.13	202	990871	48.22	ng/ul	98
82) Benzo(a)anthracene	21.30	228	1481916	63.57	ng/ul	95
84) Chrysene	21.30	228	1481916	67.06	ng/ul	99

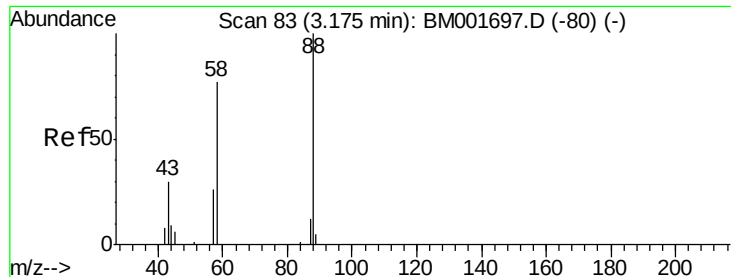
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 2.68 ng/uL

RT: 2.89 min Scan# 34

Delta R.T. -0.29 min

Lab File: BM001702.D

Acq: 15 Jun 2015 16:44

Instrument :

BNA_M

ClientSampleId :

X1W48

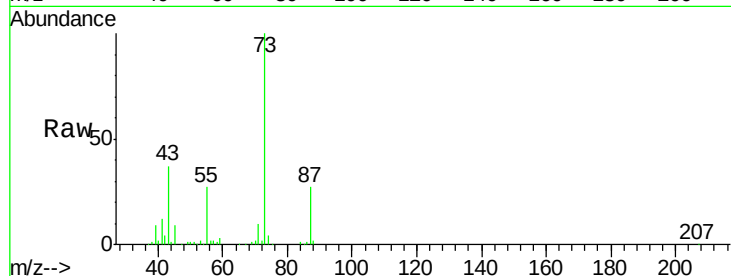
Tgt Ion: 88 Resp: 3748

Ion Ratio Lower Upper

88 100

43 2278.0 24.2 36.4#

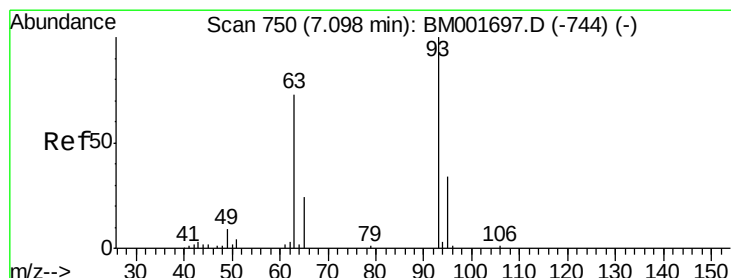
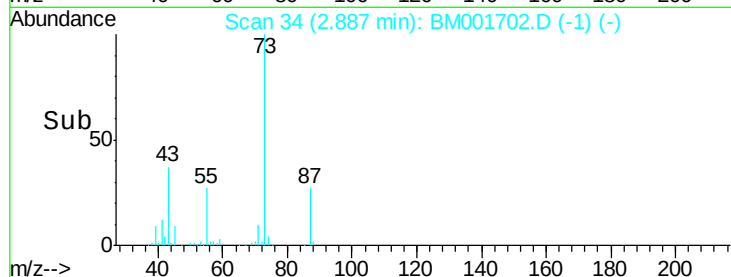
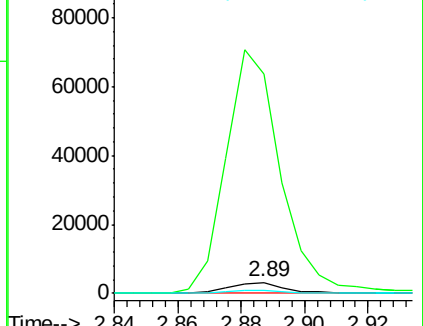
58 27.1 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001697.D (-80) (-)

Ion 43.00 (42.70 to 43.70): BM001697.D (-80) (-)

Ion 58.00 (57.70 to 58.70): BM001697.D (-80) (-)



#8

Bis(2-Chloroethyl)ether

Concen: 32.87 ng/uL

RT: 7.10 min Scan# 750

Delta R.T. 0.00 min

Lab File: BM001702.D

Acq: 15 Jun 2015 16:44

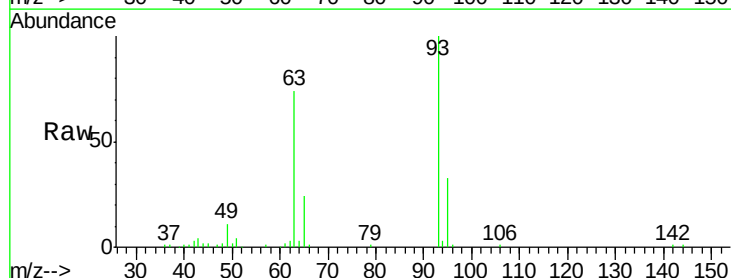
Tgt Ion: 93 Resp: 114413

Ion Ratio Lower Upper

93 100

63 74.2 58.7 88.1

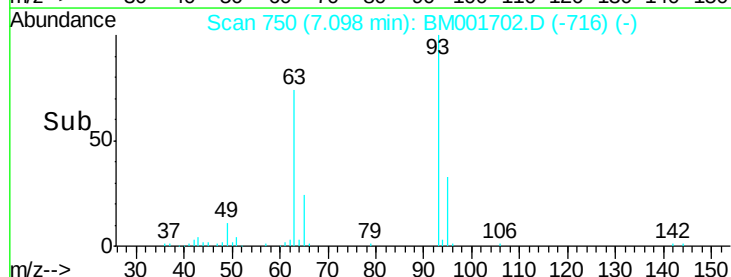
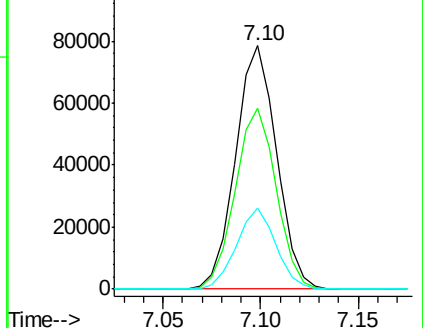
95 33.2 27.0 40.6

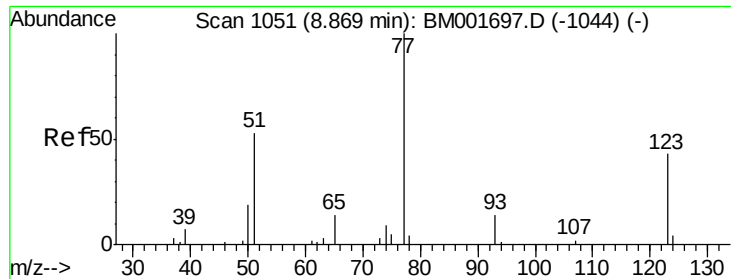


Abundance Ion 93.00 (92.70 to 93.70): BM001697.D (-744) (-)

Ion 63.00 (62.70 to 63.70): BM001697.D (-744) (-)

Ion 95.00 (94.70 to 95.70): BM001697.D (-744) (-)

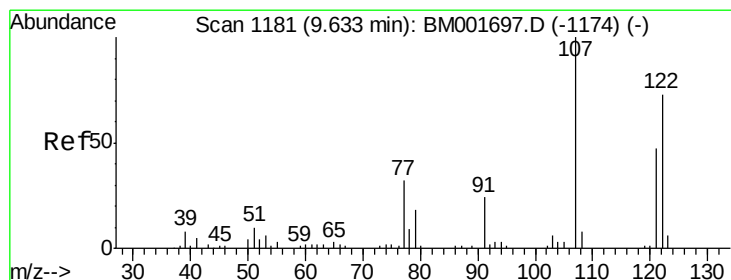
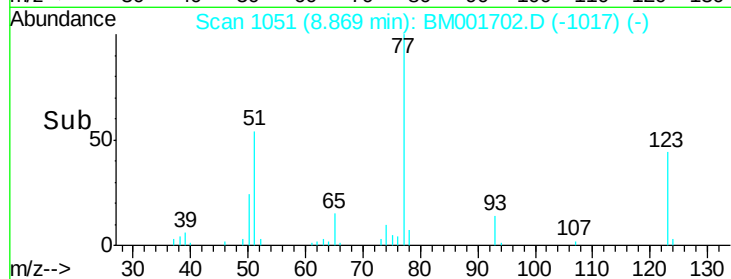
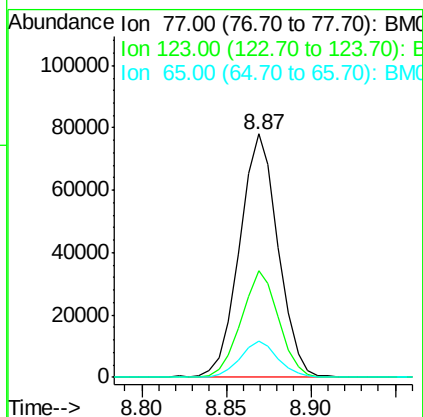
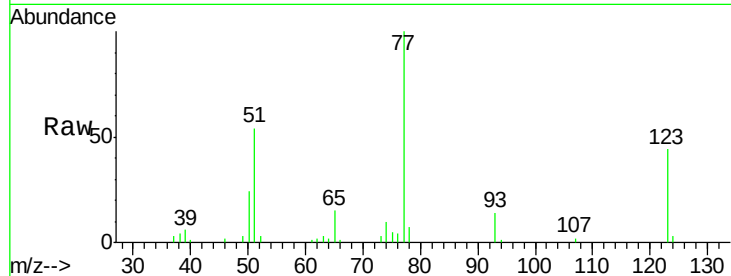




#20
Nitrobenzene
Concen: 29.98 ng/ul
RT: 8.87 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BM001702.D
Acq: 15 Jun 2015 16:44

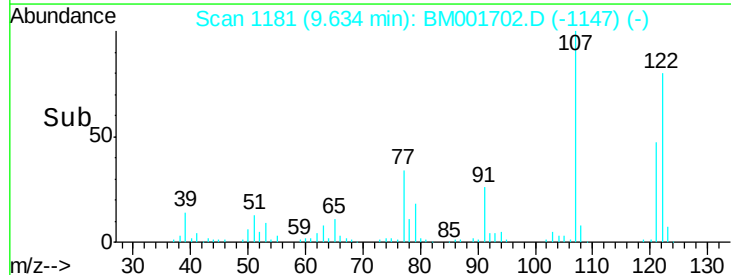
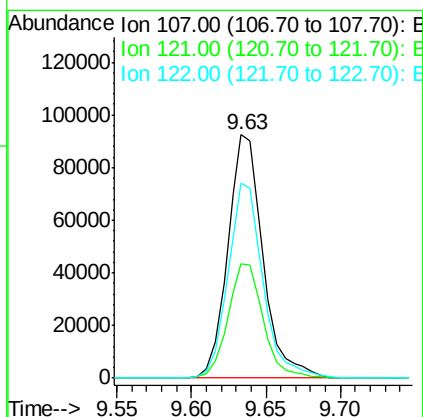
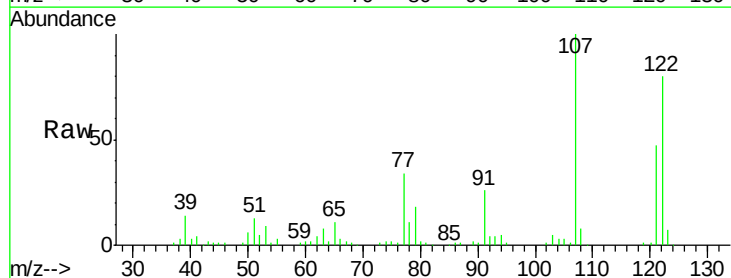
Instrument :
BNA_M
ClientSampleId :
X1W48

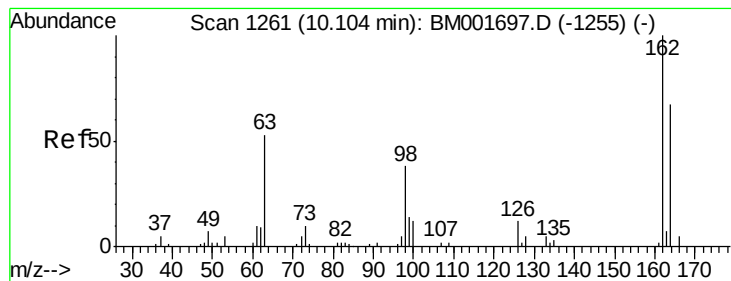
Tgt Ion	Ratio	Lower	Upper
77	100		
123	43.6	34.0	51.0
65	15.0	11.3	16.9



#24
2,4-Dimethylphenol
Concen: 36.05 ng/ul
RT: 9.63 min Scan# 1181
Delta R.T. 0.00 min
Lab File: BM001702.D
Acq: 15 Jun 2015 16:44

Tgt Ion	Ratio	Lower	Upper
107	100		
121	47.0	37.4	56.2
122	79.9	59.2	88.8





#27

2,4-Dichlorophenol

Concen: 37.25 ng/ul

RT: 10.10 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BM001702.D

Acq: 15 Jun 2015 16:44

Instrument :

BNA_M

ClientSampleId :

X1W48

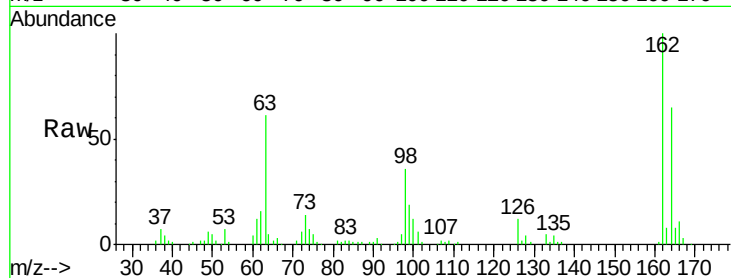
Tgt Ion:162 Resp: 129206

Ion Ratio Lower Upper

162 100

164 64.9 55.1 82.7

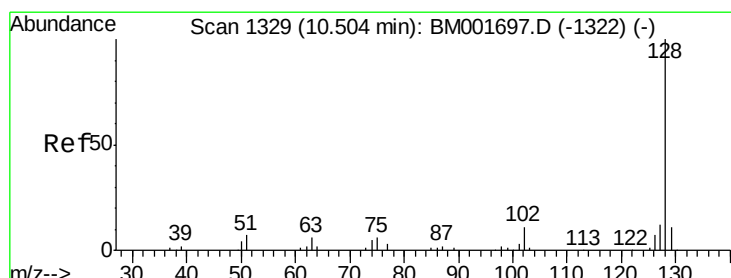
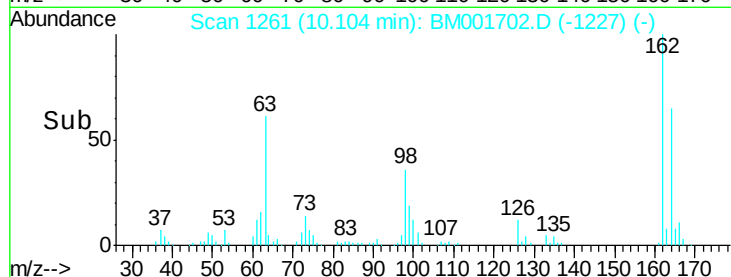
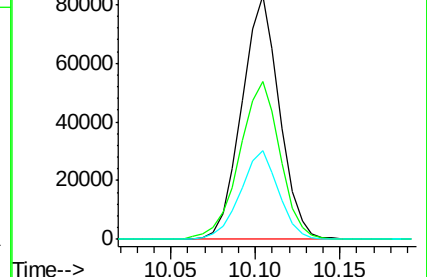
98 36.2 30.8 46.2



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): E



#28

Naphthalene

Concen: 35.58 ng/ul

RT: 10.51 min Scan# 1330

Delta R.T. 0.01 min

Lab File: BM001702.D

Acq: 15 Jun 2015 16:44

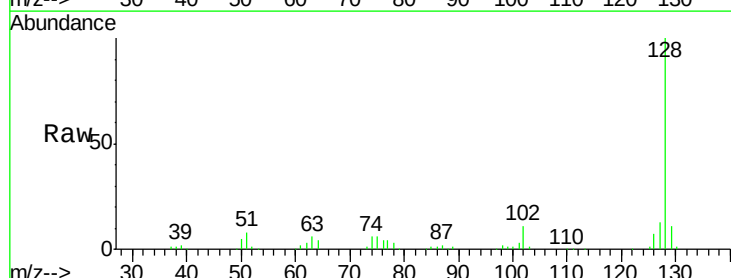
Tgt Ion:128 Resp: 396485

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

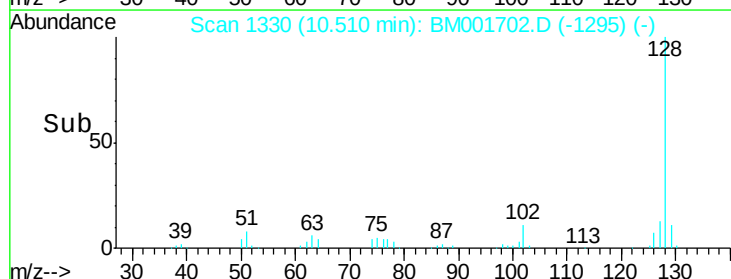
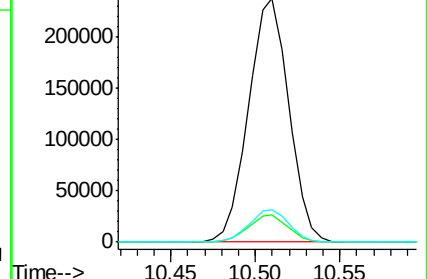
127 13.1 10.0 15.0

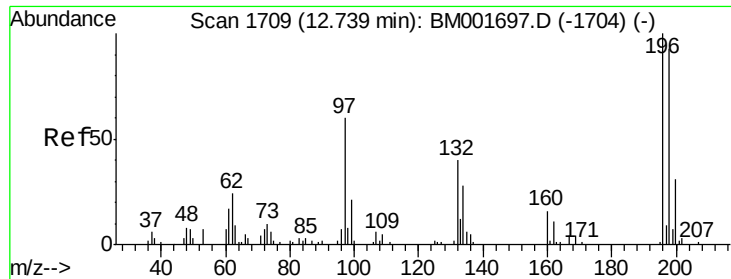


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

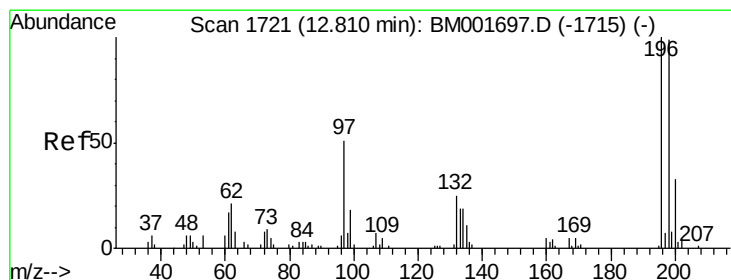
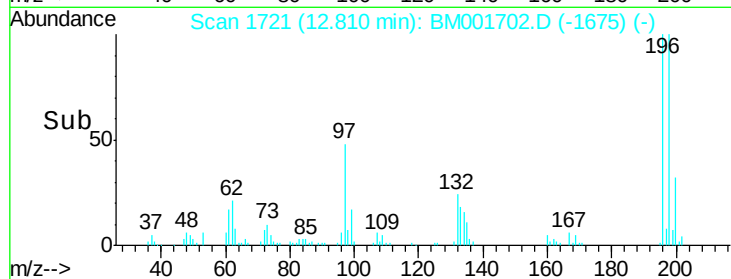
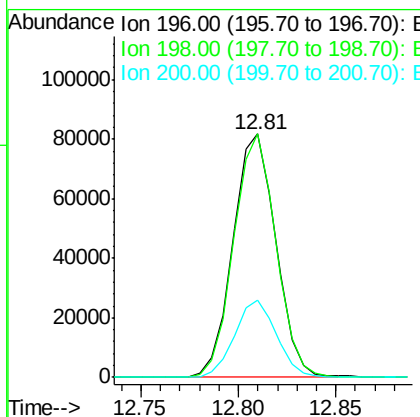
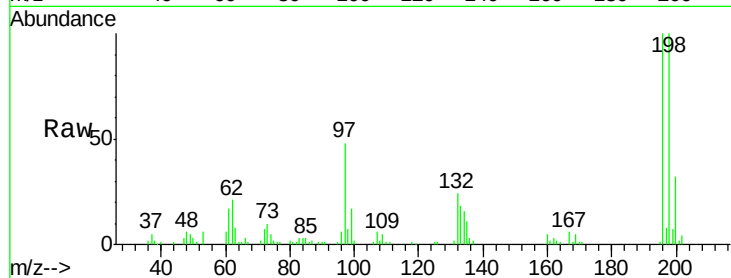




#38
 2,4,6-Trichlorophenol
 Concen: 43.20 ng/ul
 RT: 12.81 min Scan# 1721
 Delta R.T. 0.07 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

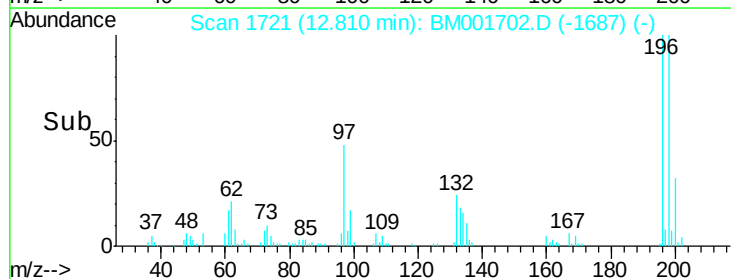
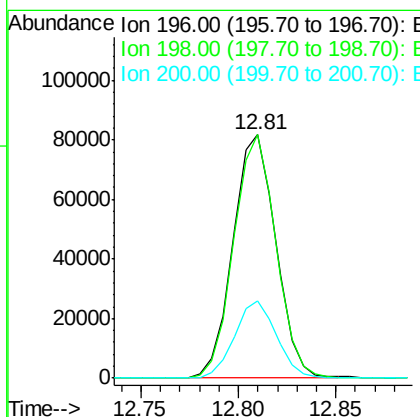
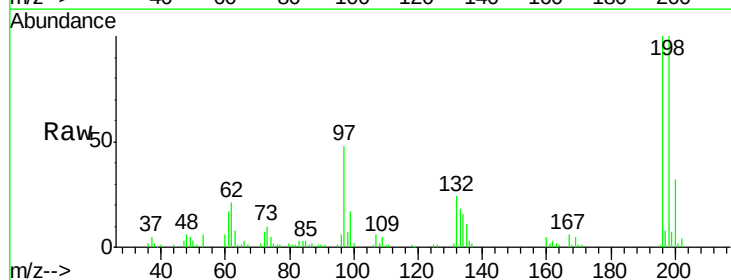
Instrument :
 BNA_M
 ClientSampleId :
 X1W48

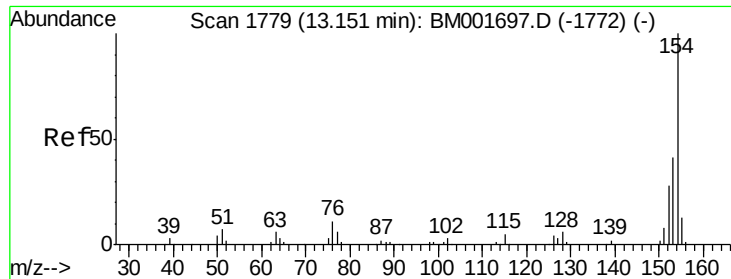
Tgt Ion:196 Resp: 124265
 Ion Ratio Lower Upper
 196 100
 198 100.1 74.4 111.6
 200 31.8 25.0 37.4



#39
 2,4,5-Trichlorophenol
 Concen: 39.48 ng/ul
 RT: 12.81 min Scan# 1721
 Delta R.T. 0.00 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Tgt Ion:196 Resp: 124265
 Ion Ratio Lower Upper
 196 100
 198 100.1 79.0 118.4
 200 31.8 26.2 39.4

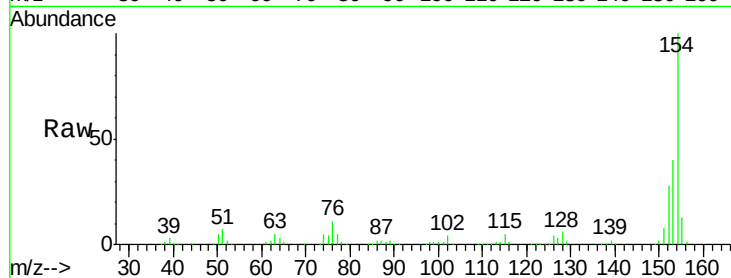




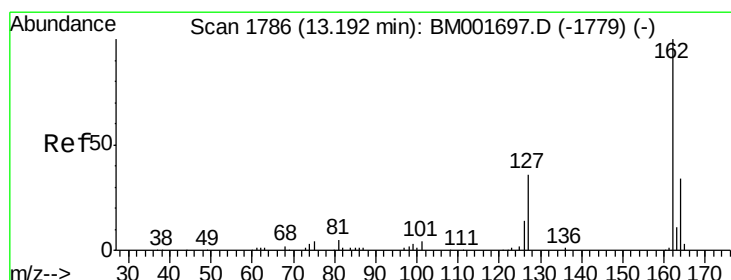
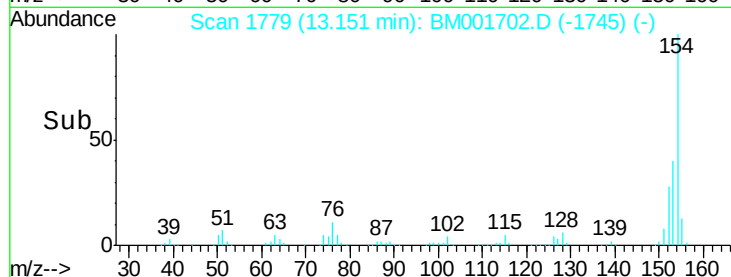
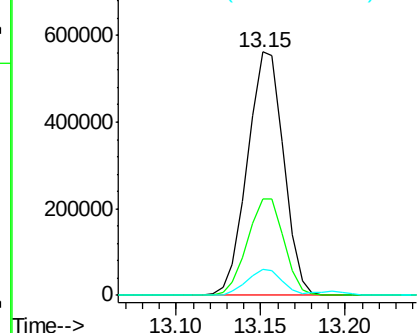
#40
 1,1'-Biphenyl
 Concen: 77.68 ng/ul
 RT: 13.15 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Instrument :
 BNA_M
 ClientSampleId :
 X1W48

Tgt Ion:154 Resp: 838729
 Ion Ratio Lower Upper
 154 100
 153 39.8 32.5 48.7
 76 10.6 9.0 13.6

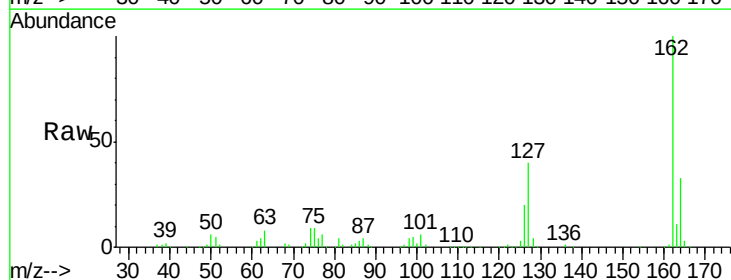


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

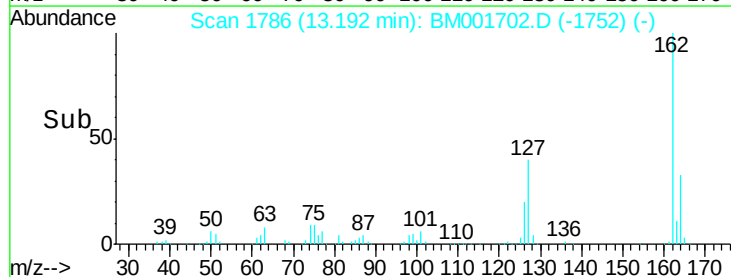
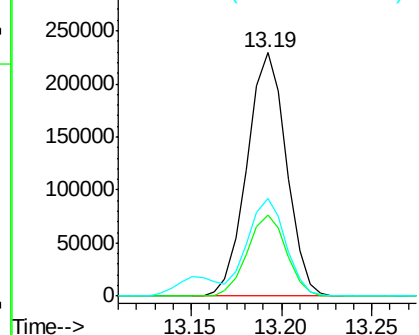


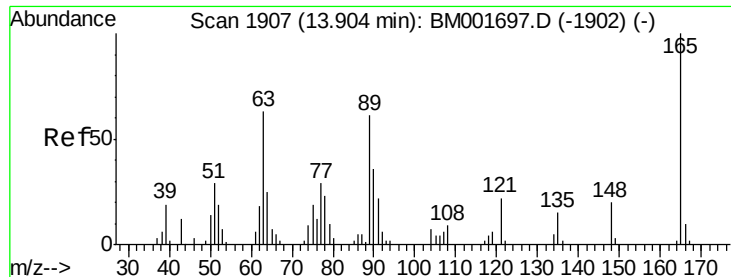
#41
 2-Chloronaphthalene
 Concen: 40.98 ng/ul
 RT: 13.19 min Scan# 1786
 Delta R.T. 0.00 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Tgt Ion:162 Resp: 346922
 Ion Ratio Lower Upper
 162 100
 164 33.1 27.2 40.8
 127 40.0 32.6 49.0



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 127.00 (126.70 to 127.70): E

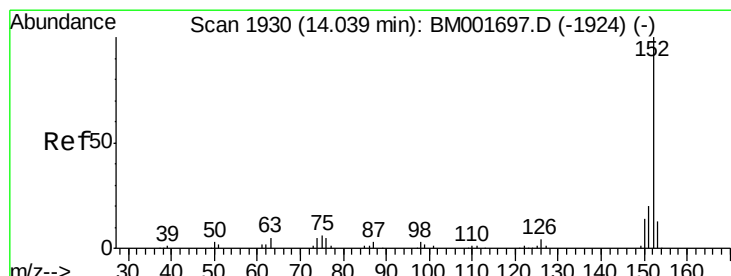
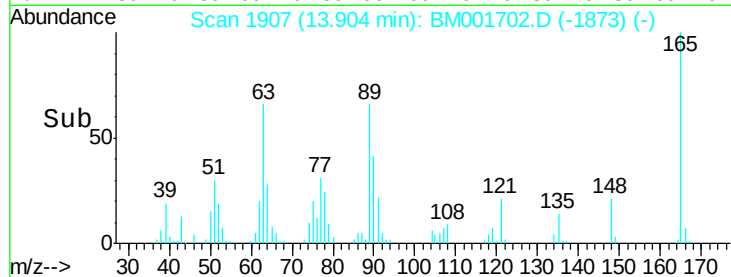
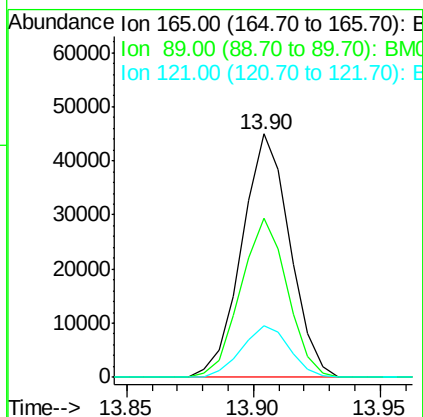
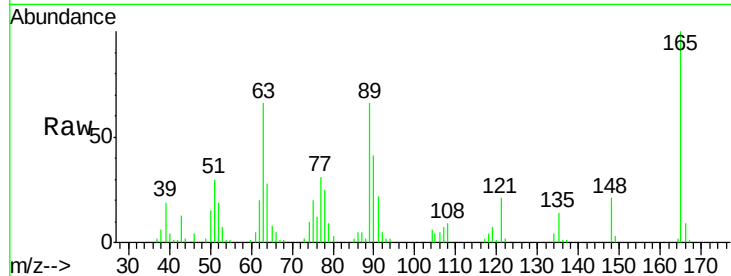




#45
 2,6-Dinitrotoluene
 Concen: 29.52 ng/ul
 RT: 13.90 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

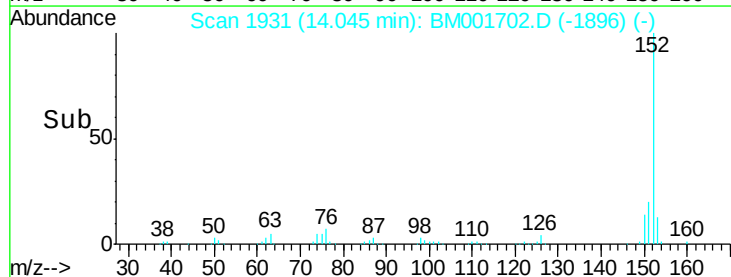
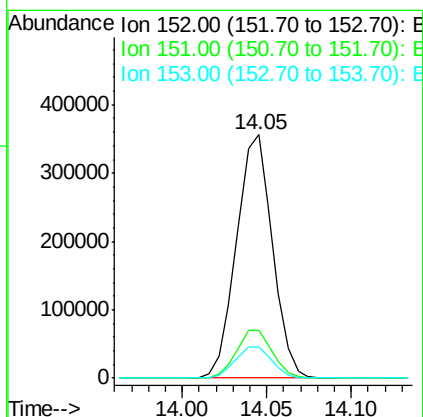
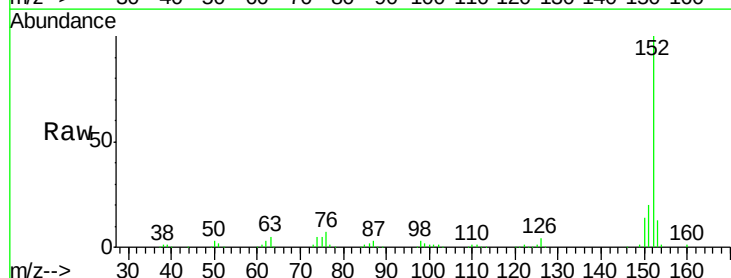
Instrument :
 BNA_M
 ClientSampleId :
 X1W48

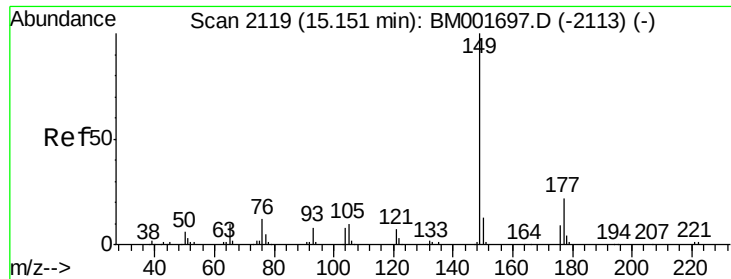
Tgt Ion:165 Resp: 59490
 Ion Ratio Lower Upper
 165 100
 89 65.6 49.1 73.7
 121 21.2 17.4 26.2



#47
 Acenaphthylene
 Concen: 40.31 ng/ul
 RT: 14.05 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Tgt Ion:152 Resp: 528534
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.9 23.9
 153 12.5 10.0 15.0

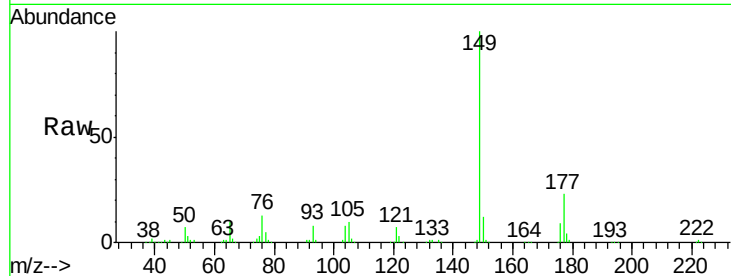




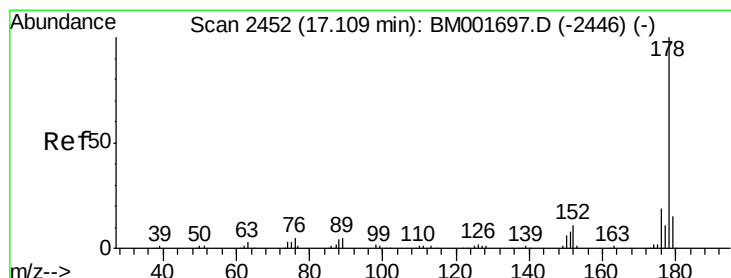
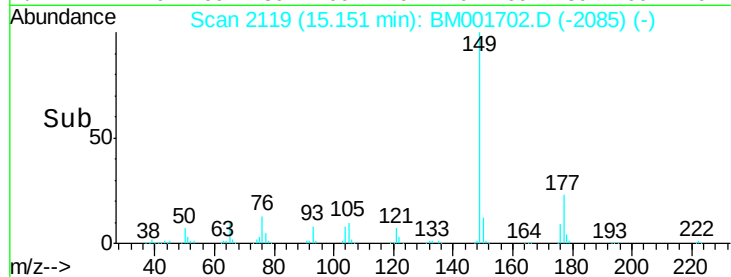
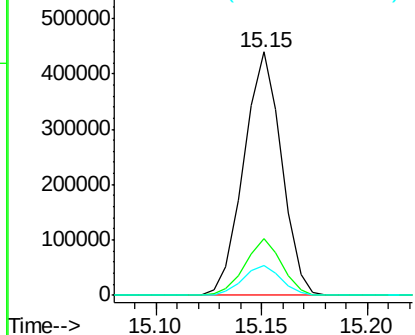
#56
Diethylphthalate
Concen: 53.60 ng/ul
RT: 15.15 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BM001702.D
Acq: 15 Jun 2015 16:44

Instrument :
BNA_M
ClientSampleId :
X1W48

Tgt Ion:149 Resp: 546452
Ion Ratio Lower Upper
149 100
177 23.1 17.3 25.9
150 12.4 10.1 15.1

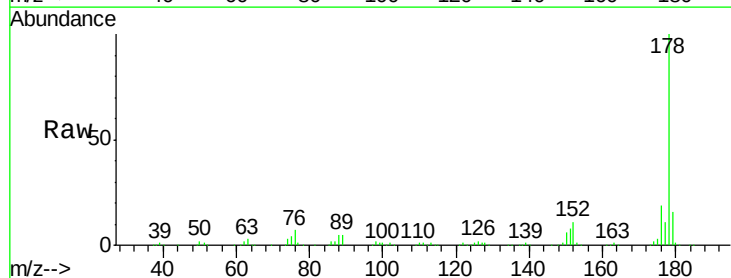


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

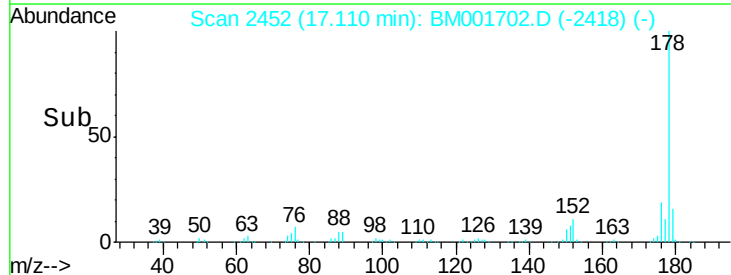
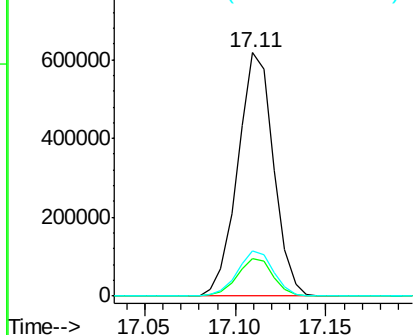


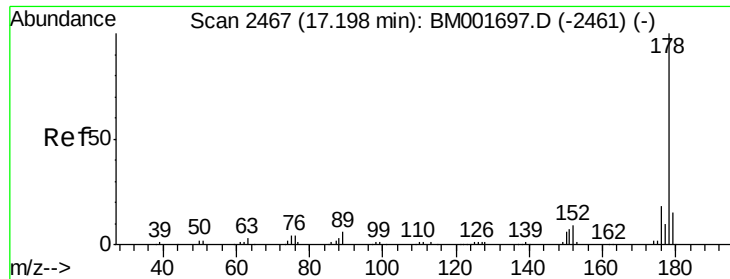
#69
Phenanthrene
Concen: 49.18 ng/ul
RT: 17.11 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BM001702.D
Acq: 15 Jun 2015 16:44

Tgt Ion:178 Resp: 844970
Ion Ratio Lower Upper
178 100
179 15.7 11.9 17.9
176 18.6 15.2 22.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

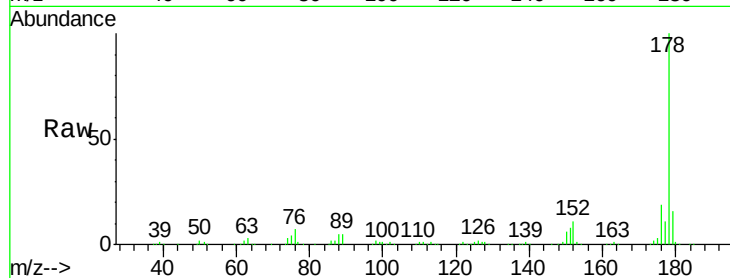




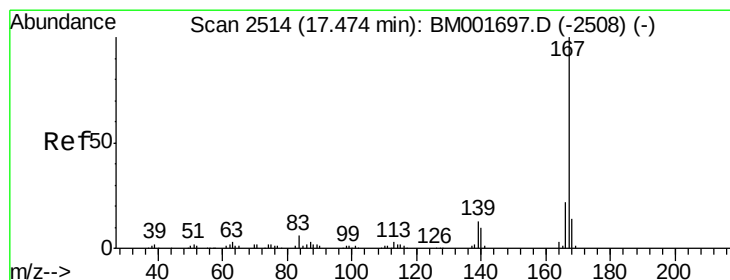
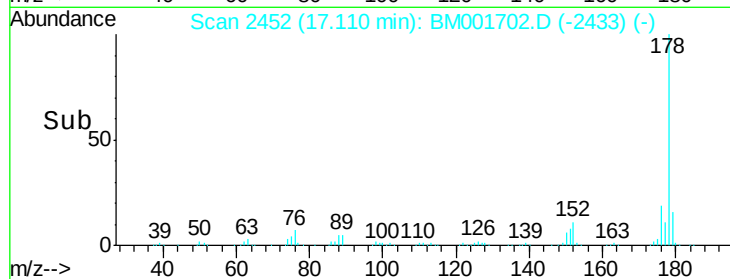
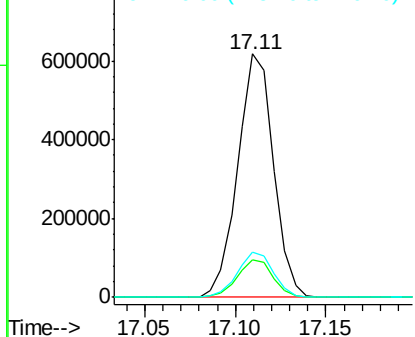
#71
 Anthracene
 Concen: 47.90 ng/ul
 RT: 17.11 min Scan# 2452
 Delta R.T. -0.09 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Instrument :
 BNA_M
 ClientSampleId :
 X1W48

Tgt Ion:178 Resp: 844970
 Ion Ratio Lower Upper
 178 100
 179 15.7 11.8 17.8
 176 18.6 14.4 21.6

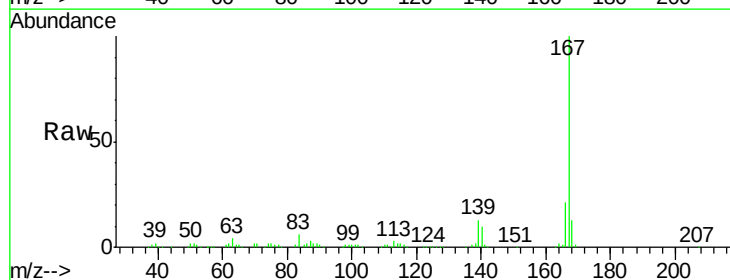


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

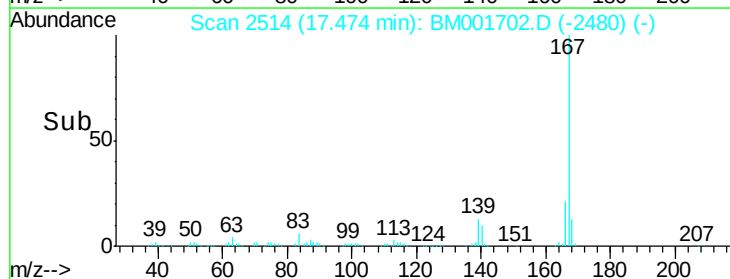
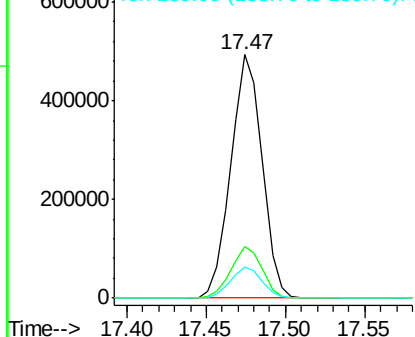


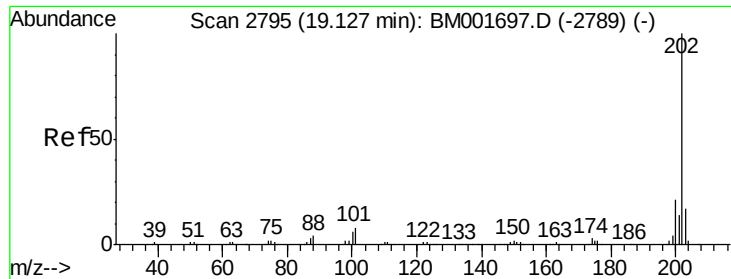
#74
 Carbazole
 Concen: 43.49 ng/ul
 RT: 17.47 min Scan# 2514
 Delta R.T. 0.00 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Tgt Ion:167 Resp: 673151
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.2
 139 13.0 10.1 15.1



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

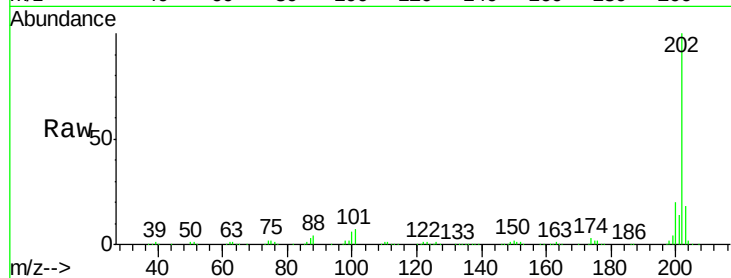




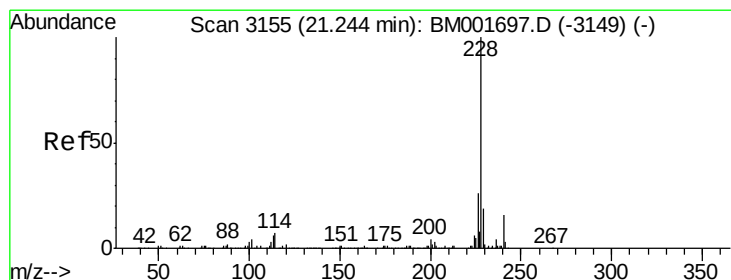
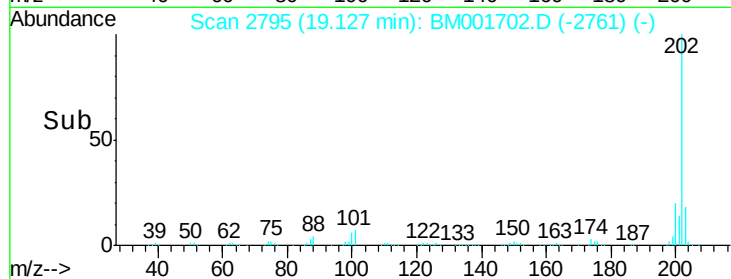
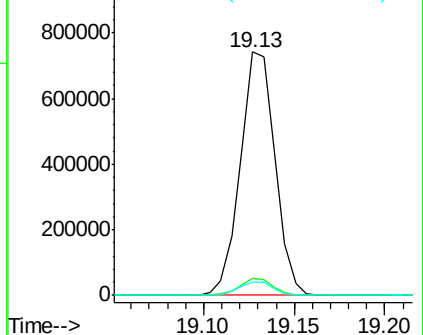
#76
 Fluoranthene
 Concen: 48.22 ng/ul
 RT: 19.13 min Scan# 2795
 Delta R.T. 0.00 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Instrument :
 BNA_M
 ClientSampleId :
 X1W48

Tgt Ion:	202	Resp:	990871
Ion	Ratio	Lower	Upper
202	100		
101	6.8	6.1	9.1
100	5.6	4.8	7.2

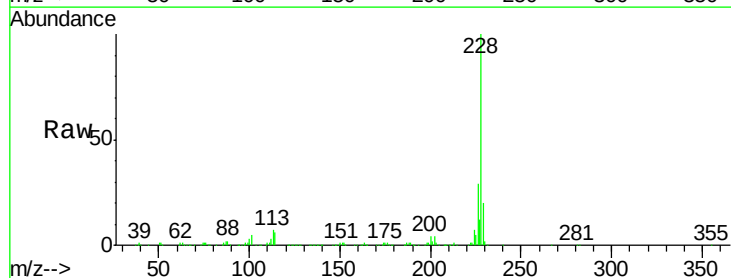


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

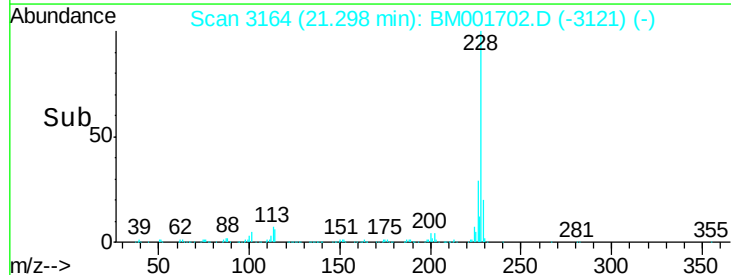
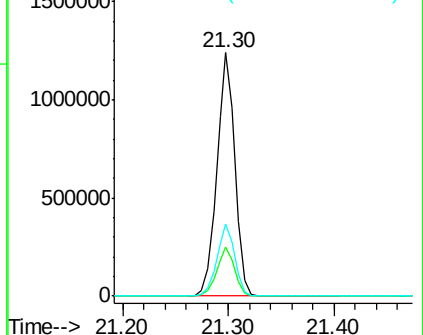


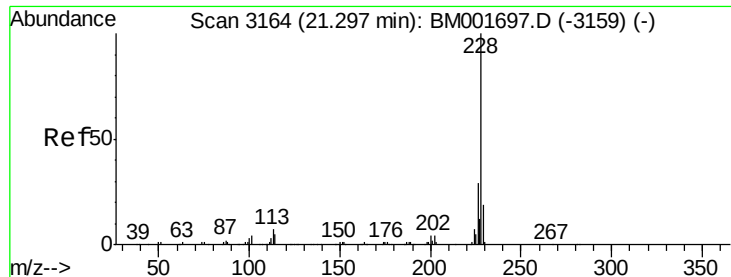
#82
 Benzo(a)anthracene
 Concen: 63.57 ng/ul
 RT: 21.30 min Scan# 3164
 Delta R.T. 0.05 min
 Lab File: BM001702.D
 Acq: 15 Jun 2015 16:44

Tgt Ion:	228	Resp:	1481916
Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.4	23.0
226	29.4	20.6	30.8



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

Chrysene

Concen: 67.06 ng/ul

RT: 21.30 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM001702.D

Acq: 15 Jun 2015 16:44

Instrument :

BNA_M

ClientSampleId :

X1W48

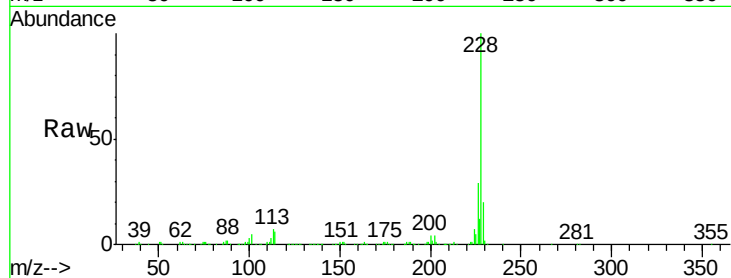
Tgt Ion:228 Resp: 1481916

Ion Ratio Lower Upper

228 100

226 29.4 23.0 34.4

229 19.9 15.4 23.2



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

