

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061615\
 Data File : BM001709.D
 Acq On : 16 Jun 2015 12:02
 Operator : TP/IZ
 Sample : G2610-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1W53

Quant Time: Jun 17 05:23:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 17 05:22:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	63967	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	245035	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	149001	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	348332	20.00	ng/ul	0.00
77) Chrysene-d12	21.26	240	462786	20.00	ng/ul	0.00
85) Perylene-d12	23.49	264	472652	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	6196	4.62	ng/uL	0.00
5) Phenol-d5	6.83	99	142159	28.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	77039	27.99	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	112795	29.03	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	116337	29.50	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	48904	28.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	57845	31.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	129741	32.68	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	140629	34.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	365067	33.04	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	434932	30.03	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	71437	35.05	ng/ul	0.00
57) Fluorene-d10	15.32	176	344381	33.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	68795	32.33	ng/ul	0.00
70) Anthracene-d10	17.16	188	604799	37.27	ng/ul	0.00
78) Pyrene-d10	19.46	212	759831	38.76	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.34	264	828092	39.75	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	1971	1.29	ng/uL#	1
6) Phenol	6.86	94	220050	43.40	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.37	70	3062	1.00	ng/ul#	1
20) Nitrobenzene	8.87	77	174392	37.97	ng/ul	99
21) Isophorone	9.39	82	410043	53.45	ng/ul	98
27) 2,4-Dichlorophenol	10.10	162	290120	75.33	ng/ul	95
28) Naphthalene	10.50	128	667727	53.97	ng/ul	99
32) Caprolactam	11.38	113	59233	51.48	ng/ul	98
38) 2,4,6-Trichlorophenol	12.75	196	222294	68.61	ng/ul	96
39) 2,4,5-Trichlorophenol	12.75	196	222294	62.70	ng/ul	99
41) 2-Chloronaphthalene	13.19	162	540212	56.66	ng/ul	98
44) Dimethylphthalate	13.78	163	104606	8.66	ng/ul	99
56) Diethylphthalate	15.15	149	781933	68.09	ng/ul	98
64) N-Nitrosodiphenylamine	15.59	169	392763	38.59	ng/ul	99
66) Hexachlorobenzene	16.37	284	174059	39.88	ng/ul	99
67) Atrazine	16.54	200	217998	53.18	ng/ul	96
69) Phenanthrene	17.11	178	886781	46.95	ng/ul	99
71) Anthracene	17.11	178	886781	45.73	ng/ul	99
74) Carbazole	17.47	167	1300196	76.42	ng/ul	99
80) Butylbenzylphthalate	20.40	149	463595	55.35	ng/ul	94
82) Benzo(a)anthracene	21.30	228	1324930	49.00	ng/ul	96
84) Chrysene	21.30	228	1324930	51.69	ng/ul	100
86) Di-n-octyl phthalate	22.05	149	1808044	77.84	ng/ul	100

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Response via : Initial Calibration

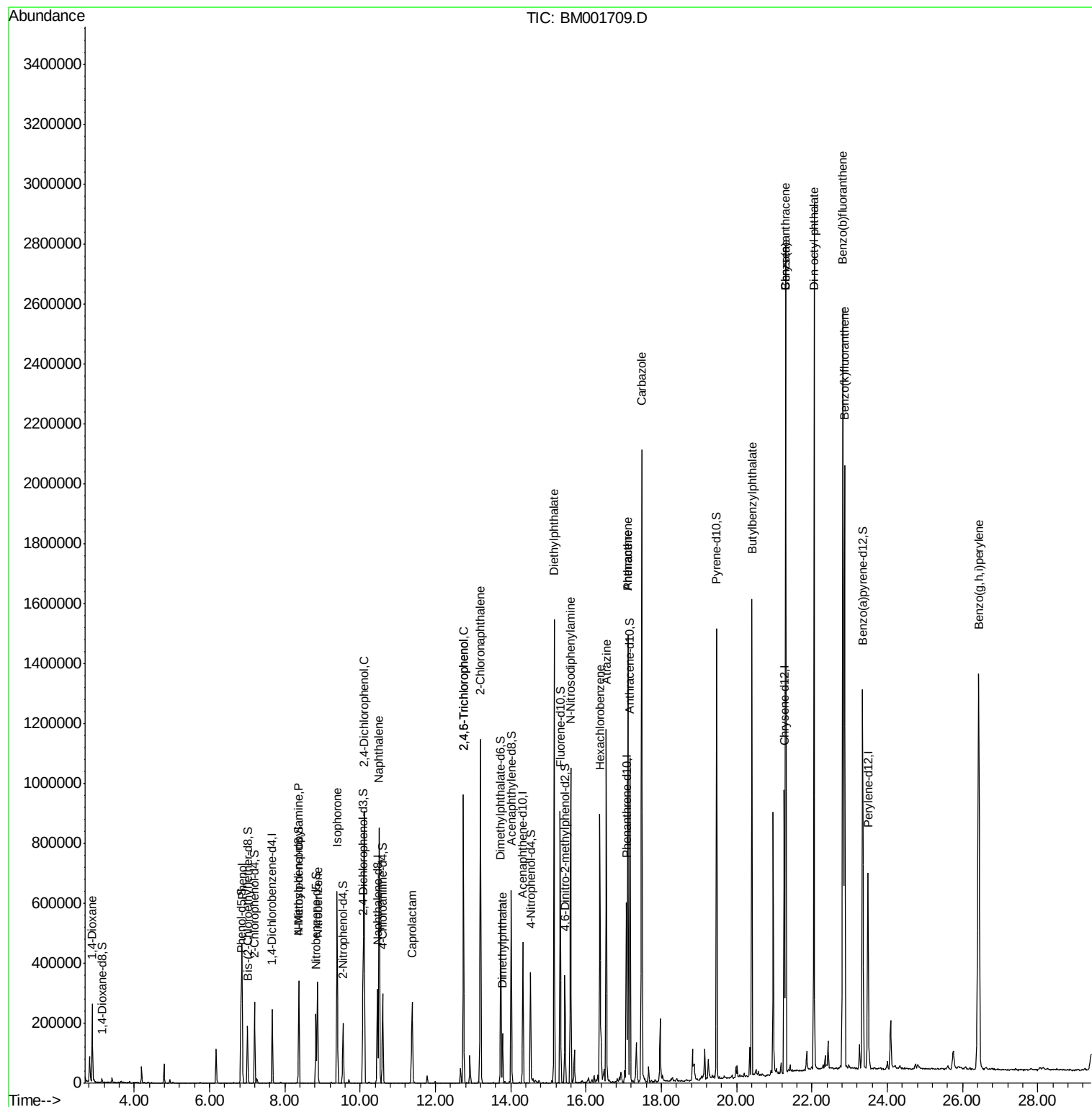
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	22.82	252	1886507	68.57	ng/ul	99
88) Benzo(k)fluoranthene	22.86	252	1249145	46.98	ng/ul	99
93) Benzo(g,h,i)perylene	26.43	276	1715573	64.28	ng/ul	99

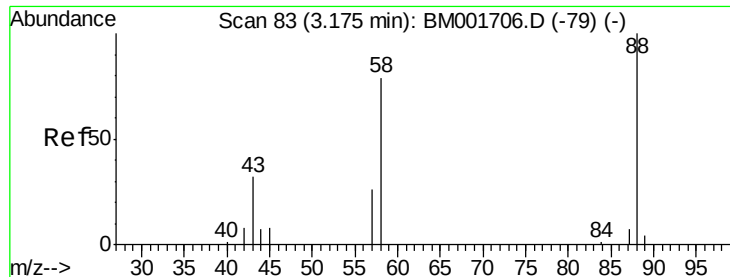
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 1.29 ng/uL

RT: 2.89 min Scan# 34

Delta R.T. -0.29 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

BNA_M

ClientSampleId :

X1W53

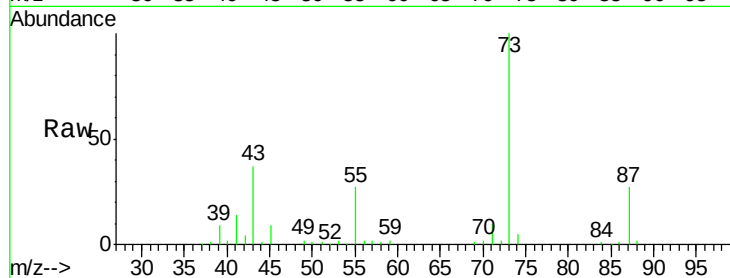
Tgt Ion: 88 Resp: 1971

Ion Ratio Lower Upper

88 100

43 2196.5 24.2 36.4#

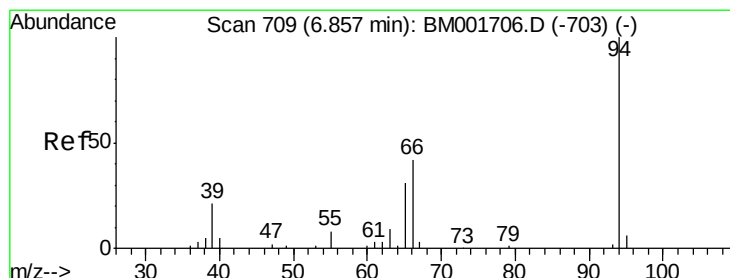
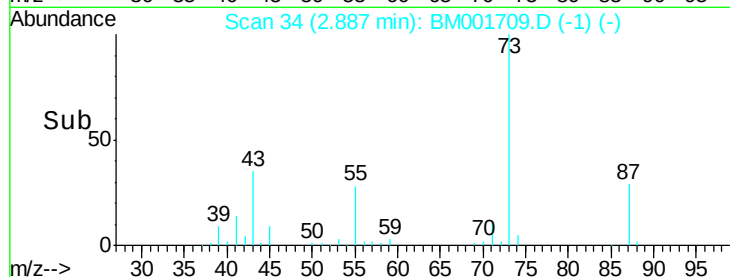
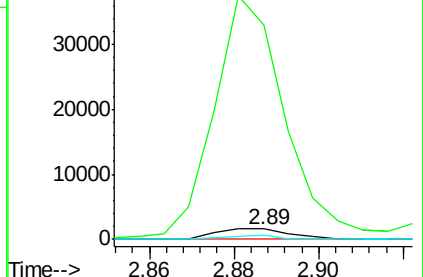
58 26.6 56.2 84.2#



Abundance Ion 88.00 (87.70 to 88.70): BM001706.D (-79) (-)

Ion 43.00 (42.70 to 43.70): BM001706.D (-79) (-)

Ion 58.00 (57.70 to 58.70): BM001706.D (-79) (-)



#6

Phenol

Concen: 43.40 ng/uL

RT: 6.86 min Scan# 709

Delta R.T. 0.00 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

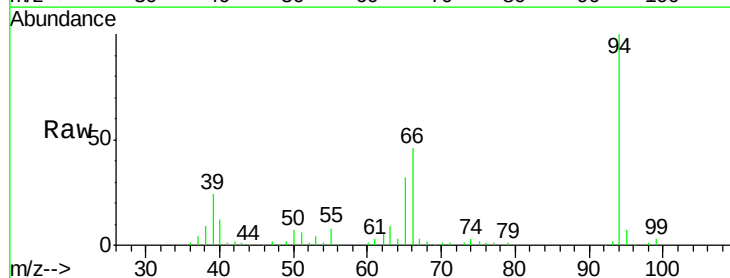
Tgt Ion: 94 Resp: 220050

Ion Ratio Lower Upper

94 100

65 32.1 26.1 39.1

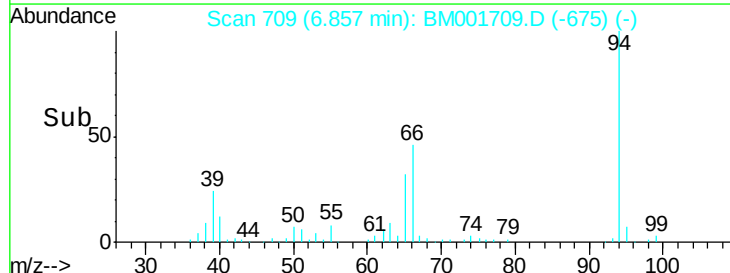
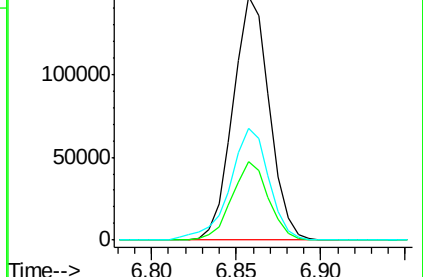
66 45.8 35.9 53.9

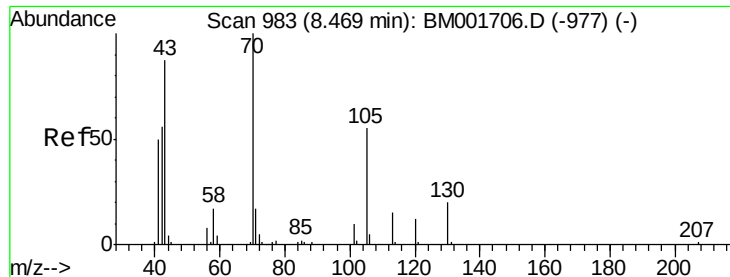


Abundance Ion 94.00 (93.70 to 94.70): BM001706.D (-703) (-)

Ion 65.00 (64.70 to 65.70): BM001706.D (-703) (-)

Ion 66.00 (65.70 to 66.70): BM001706.D (-703) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 1.00 ng/ul

RT: 8.37 min Scan# 966

Delta R.T. -0.10 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

BNA_M

ClientSampled :

X1W53

Tgt Ion: 70 Resp: 3062

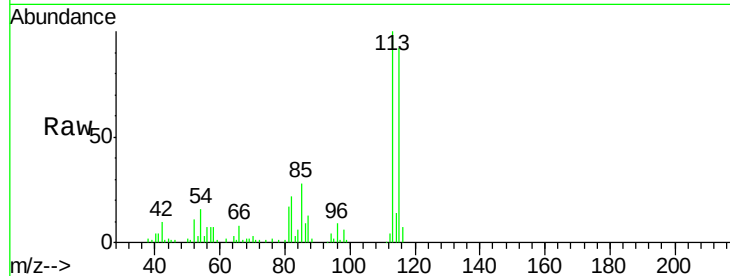
Ion Ratio Lower Upper

70 100

42 363.6 45.2 67.8#

101 0.0 7.8 11.6#

130 0.0 15.5 23.3#

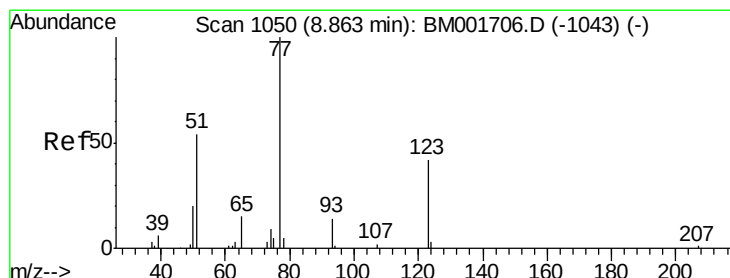
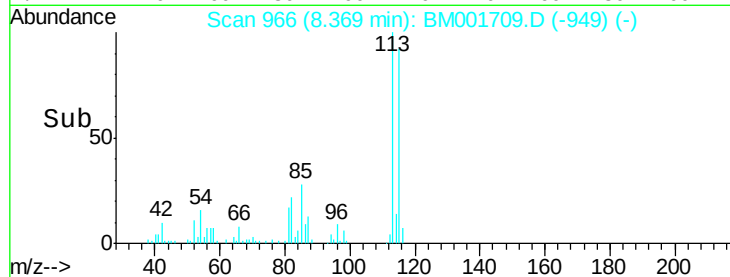
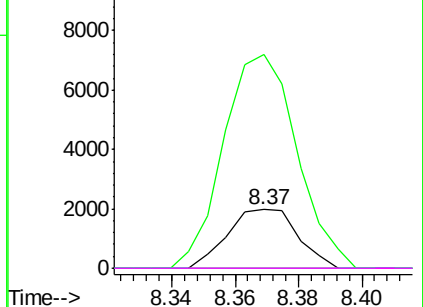


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#20

Nitrobenzene

Concen: 37.97 ng/ul

RT: 8.87 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

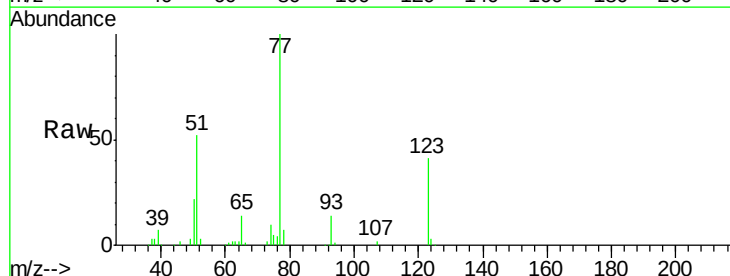
Tgt Ion: 77 Resp: 174392

Ion Ratio Lower Upper

77 100

123 41.5 34.0 51.0

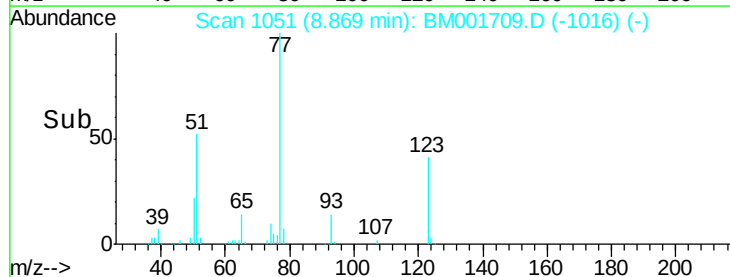
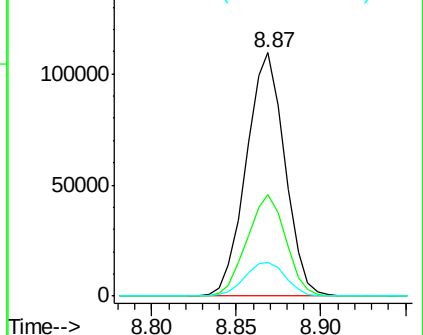
65 14.0 11.3 16.9

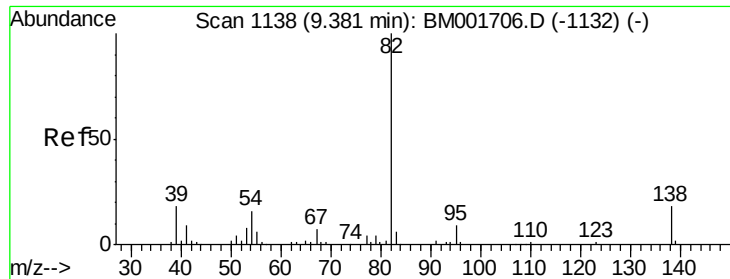


Abundance Ion 77.00 (76.70 to 77.70): BM0

Ion 123.00 (122.70 to 123.70): E

Ion 65.00 (64.70 to 65.70): BM0





#21

Isophorone

Concen: 53.45 ng/ul

RT: 9.39 min Scan# 1139

Delta R.T. 0.01 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

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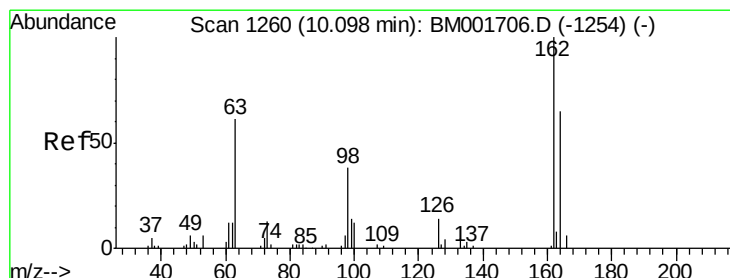
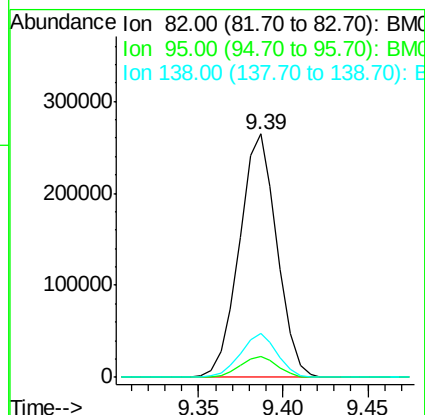
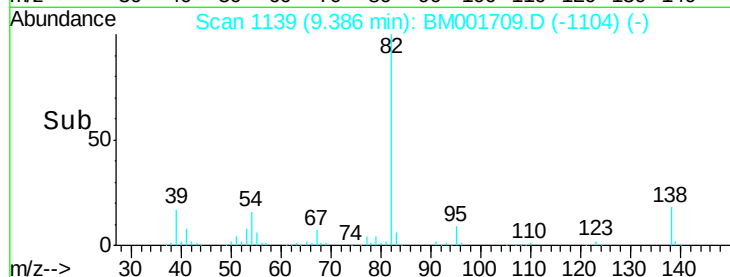
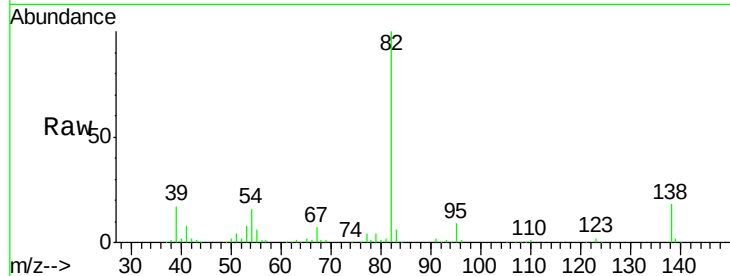
Tgt Ion: 82 Resp: 410043

Ion Ratio Lower Upper

82 100

95 8.5 6.3 9.5

138 18.0 14.9 22.3



#27

2,4-Dichlorophenol

Concen: 75.33 ng/ul

RT: 10.10 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

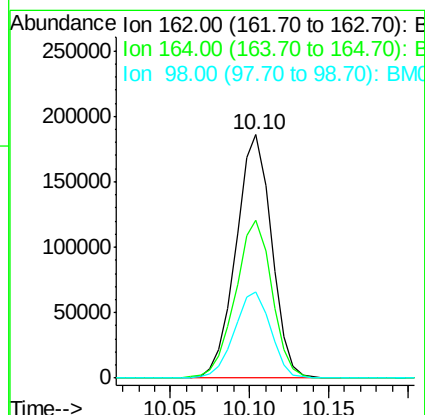
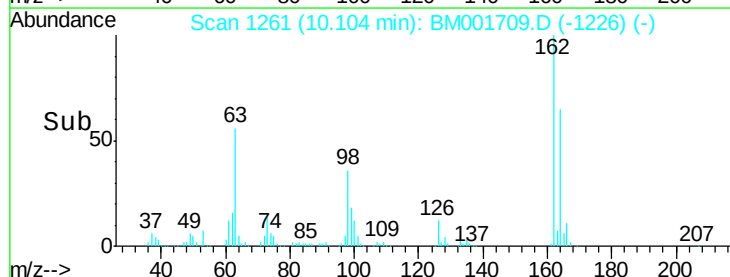
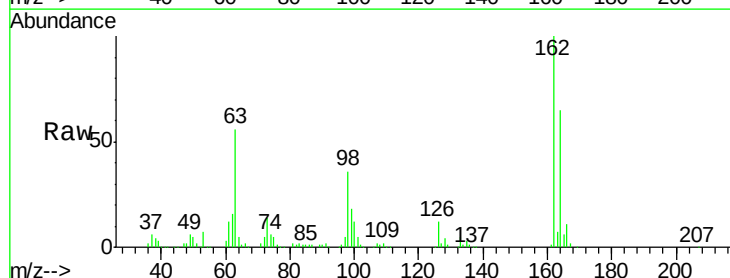
Tgt Ion: 162 Resp: 290120

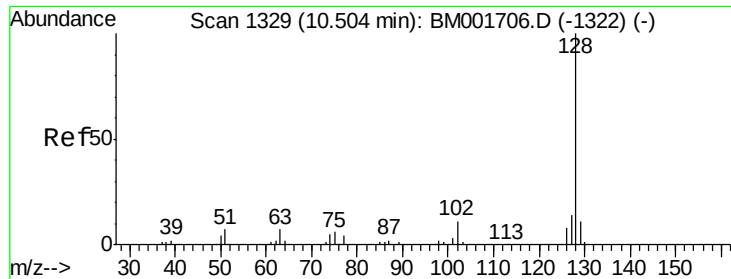
Ion Ratio Lower Upper

162 100

164 64.9 55.1 82.7

98 35.5 30.8 46.2

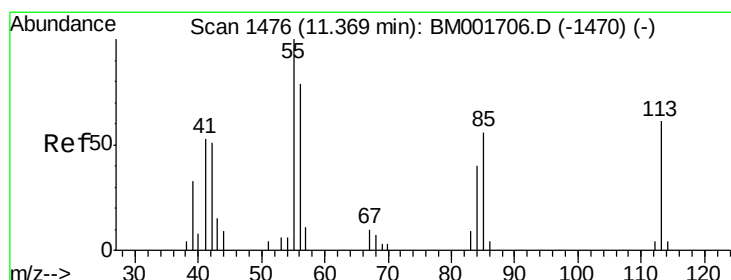
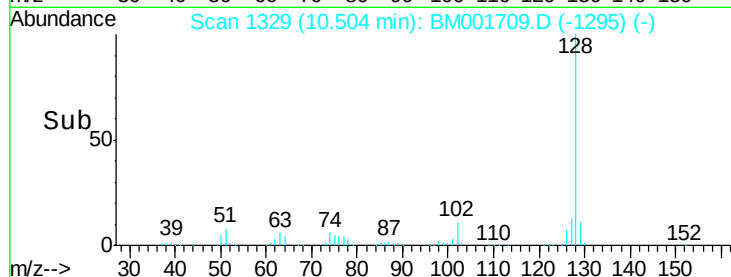
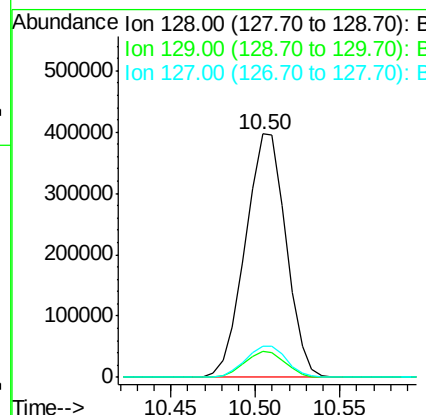
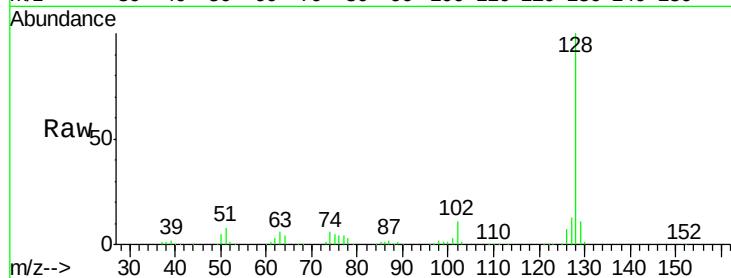




#28
Naphthalene
Concen: 53.97 ng/ul
RT: 10.50 min Scan# 1329
Delta R.T. 0.00 min
Lab File: BM001709.D
Acq: 16 Jun 2015 12:02

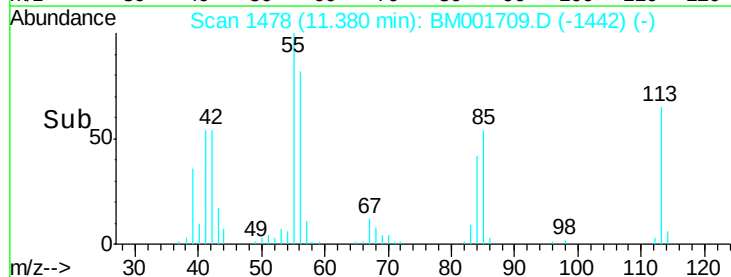
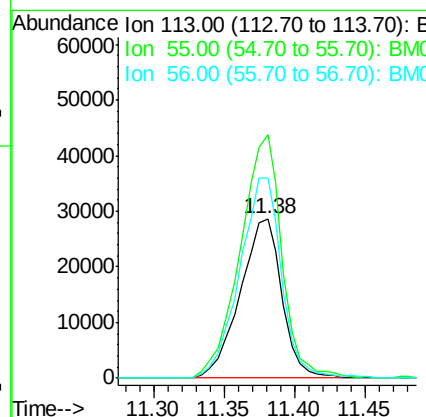
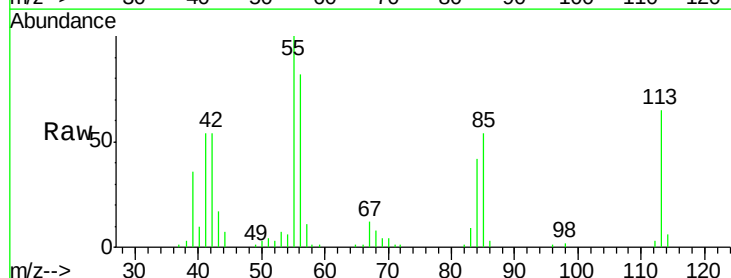
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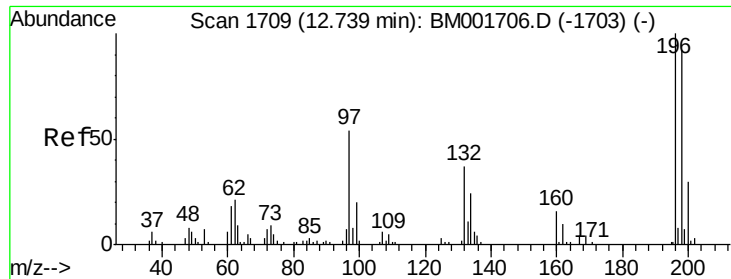
Tgt Ion:128 Resp: 667727
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.9 10.0 15.0



#32
Caprolactam
Concen: 51.48 ng/ul
RT: 11.38 min Scan# 1478
Delta R.T. 0.01 min
Lab File: BM001709.D
Acq: 16 Jun 2015 12:02

Tgt Ion:113 Resp: 59233
Ion Ratio Lower Upper
113 100
55 152.9 123.3 184.9
56 125.7 98.6 147.8

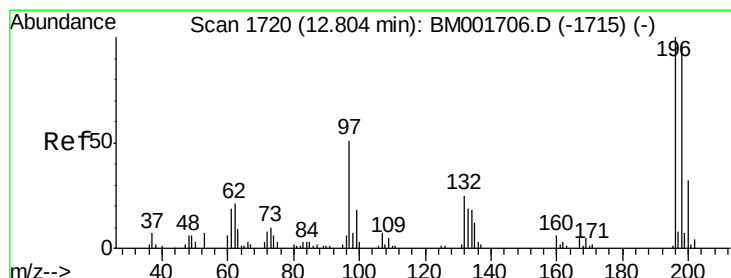
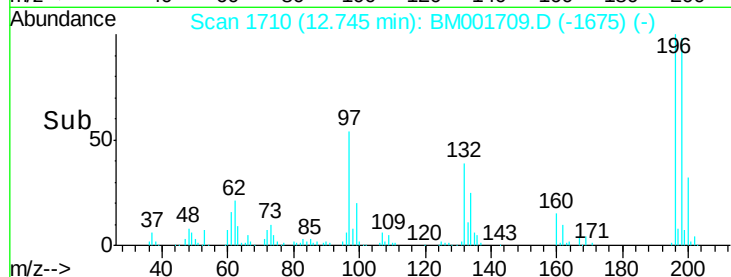
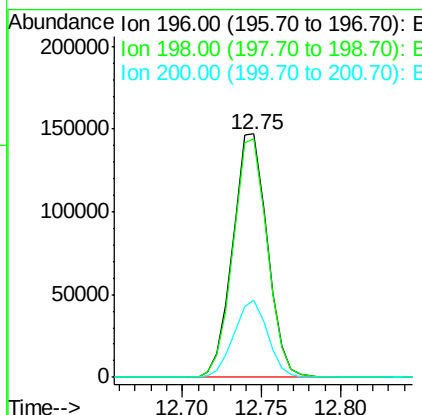
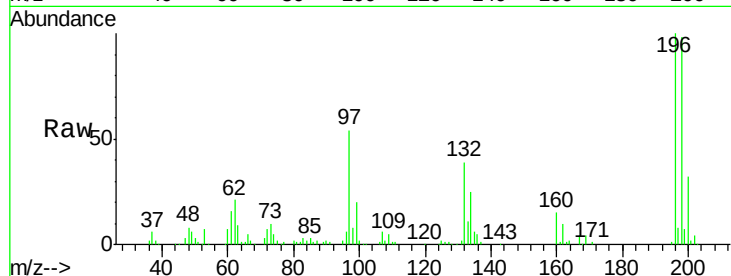




#38
 2,4,6-Trichlorophenol
 Concen: 68.61 ng/ul
 RT: 12.75 min Scan# 1710
 Delta R.T. 0.01 min
 Lab File: BM001709.D
 Acq: 16 Jun 2015 12:02

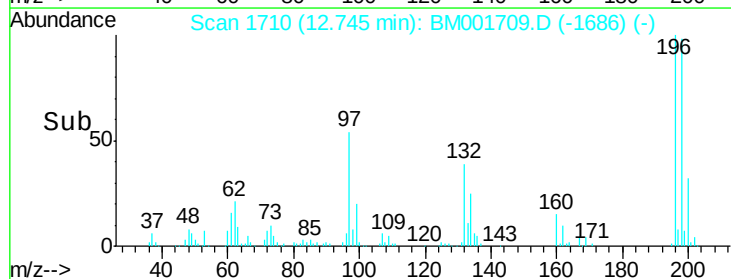
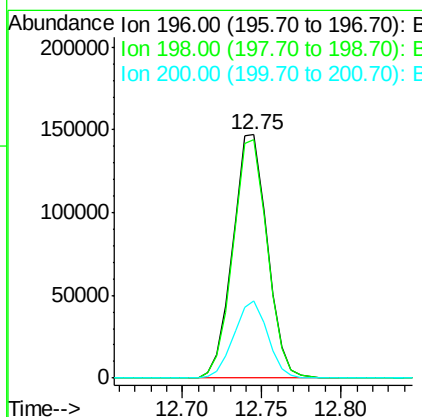
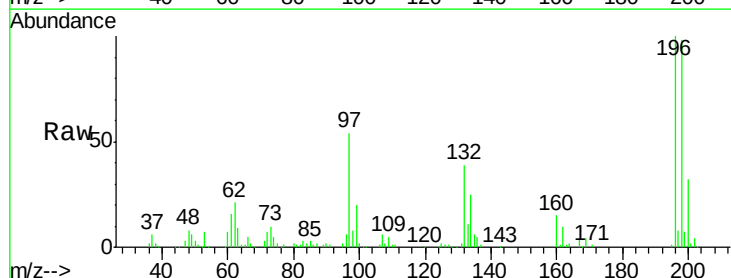
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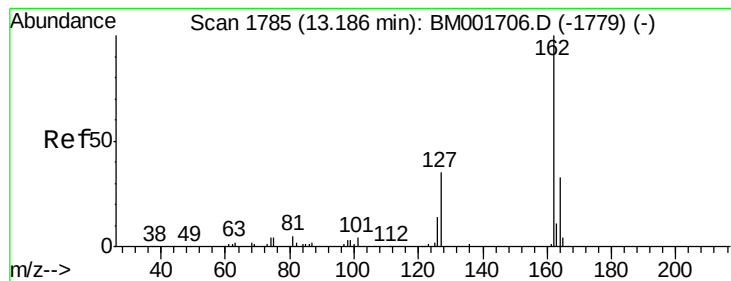
Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.8	74.4	111.6
200	31.8	25.0	37.4



#39
 2,4,5-Trichlorophenol
 Concen: 62.70 ng/ul
 RT: 12.75 min Scan# 1710
 Delta R.T. -0.06 min
 Lab File: BM001709.D
 Acq: 16 Jun 2015 12:02

Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.8	79.0	118.4
200	31.8	26.2	39.4





#41

2-Chloronaphthalene

Concen: 56.66 ng/ul

RT: 13.19 min Scan# 1786

Delta R.T. 0.01 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

BNA_M

ClientSampleId :

X1W53

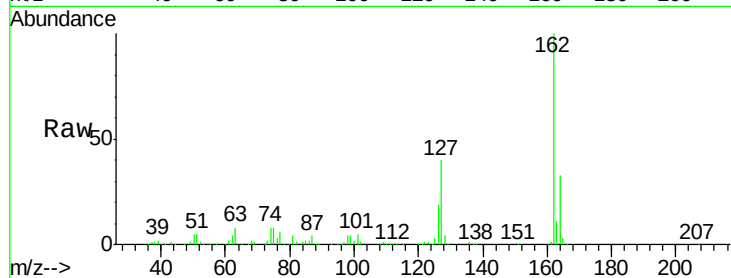
Tgt Ion:162 Resp: 540212

Ion Ratio Lower Upper

162 100

164 33.4 27.2 40.8

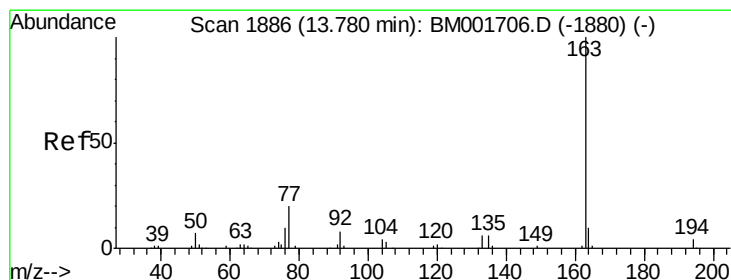
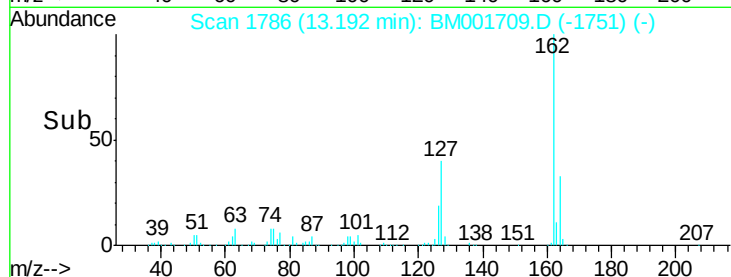
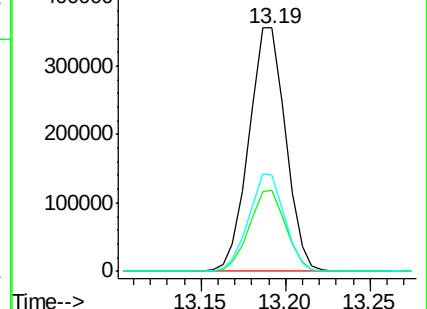
127 39.6 32.6 49.0



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



#44

Dimethylphthalate

Concen: 8.66 ng/ul

RT: 13.78 min Scan# 1886

Delta R.T. 0.00 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

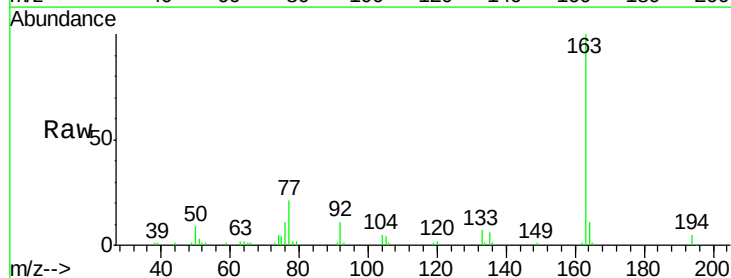
Tgt Ion:163 Resp: 104606

Ion Ratio Lower Upper

163 100

194 4.5 3.6 5.4

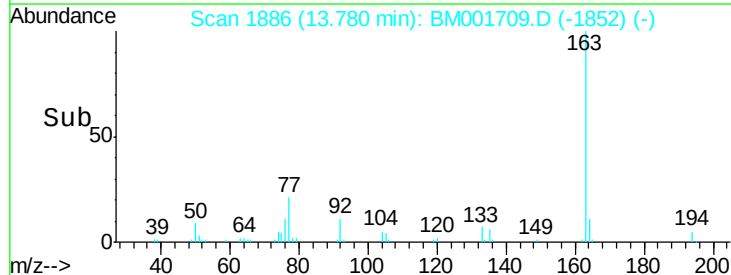
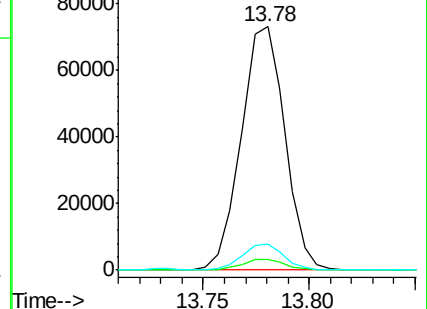
164 10.6 8.0 12.0

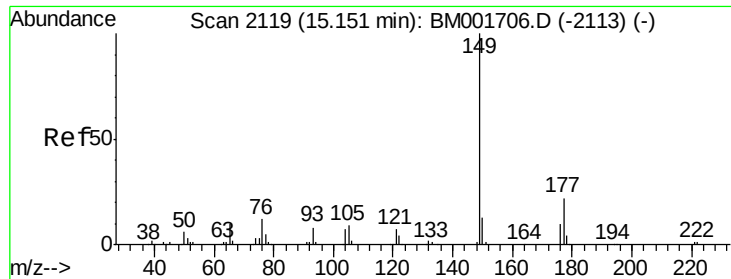


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

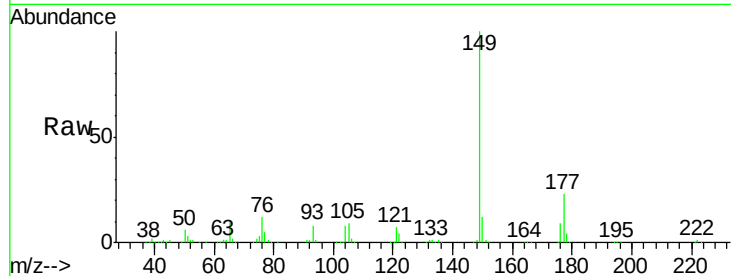




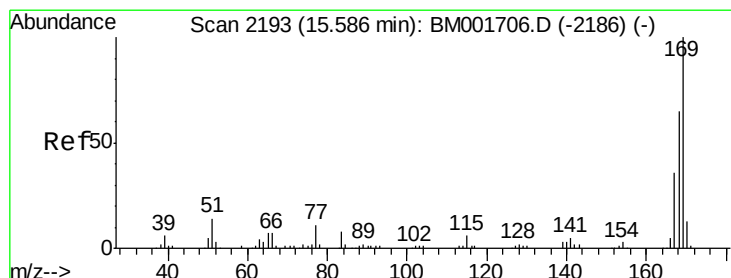
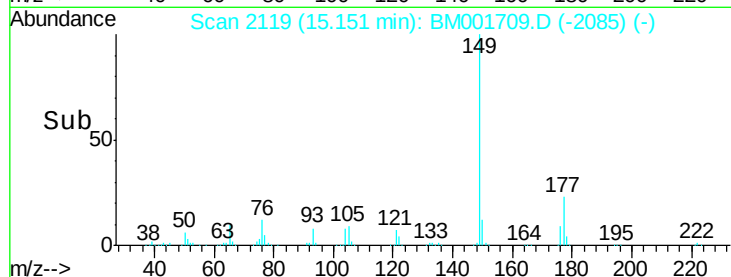
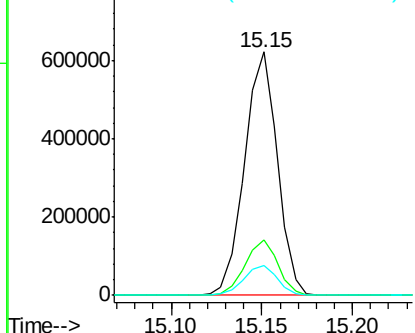
#56
Diethylphthalate
Concen: 68.09 ng/ul
RT: 15.15 min Scan# 2119
Delta R.T. 0.00 min
Lab File: BM001709.D
Acq: 16 Jun 2015 12:02

Instrument :
BNA_M
ClientSampleId :
X1W53

Tgt Ion:149 Resp: 781933
Ion Ratio Lower Upper
149 100
177 22.8 17.3 25.9
150 12.5 10.1 15.1

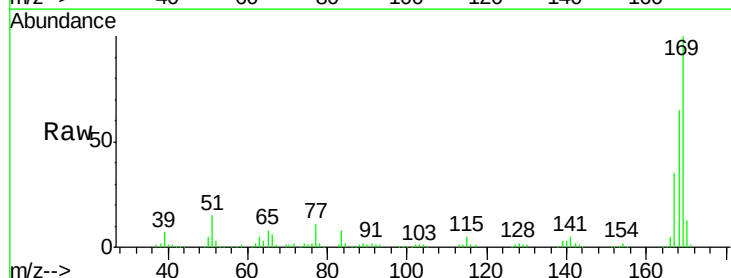


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

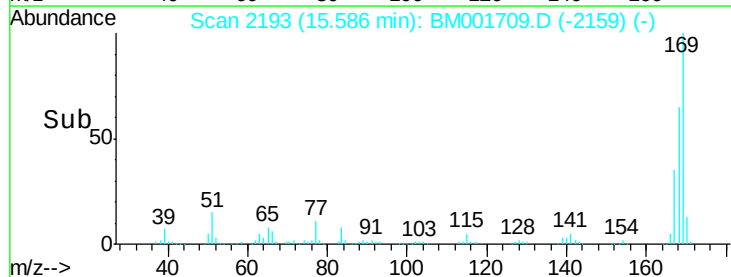
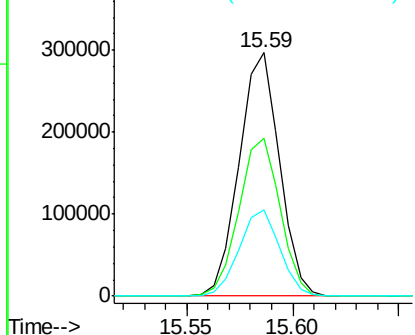


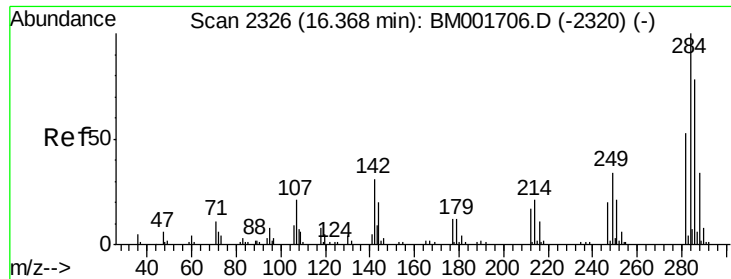
#64
N-Nitrosodiphenylamine
Concen: 38.59 ng/ul
RT: 15.59 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BM001709.D
Acq: 16 Jun 2015 12:02

Tgt Ion:169 Resp: 392763
Ion Ratio Lower Upper
169 100
168 65.0 52.9 79.3
167 35.2 27.5 41.3



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

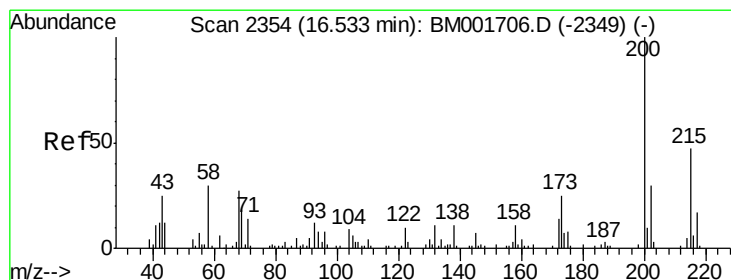
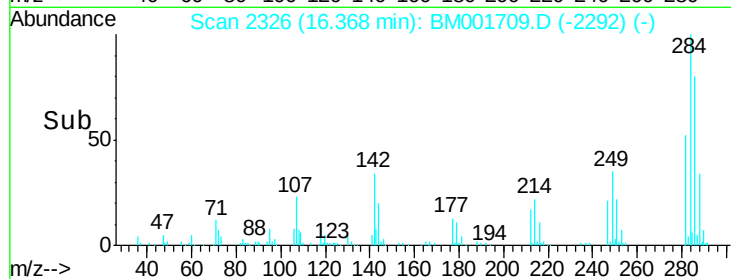
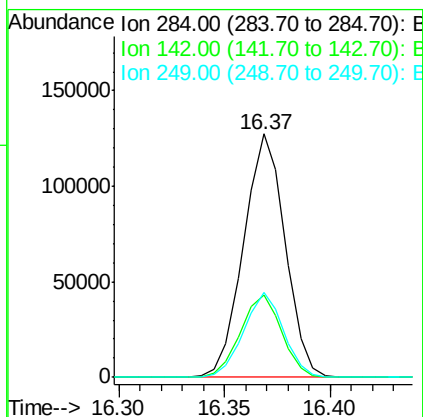
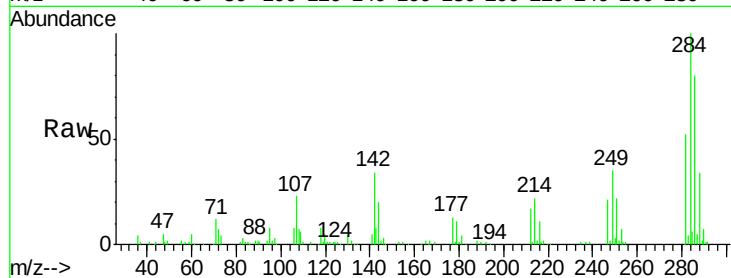




#66
Hexachlorobenzene
Concen: 39.88 ng/ul
RT: 16.37 min Scan# 2326
Delta R.T. 0.00 min
Lab File: BM001709.D
Acq: 16 Jun 2015 12:02

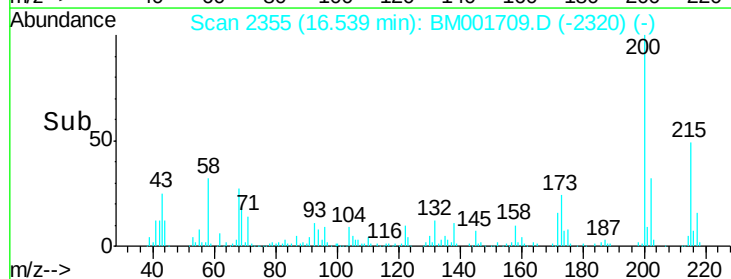
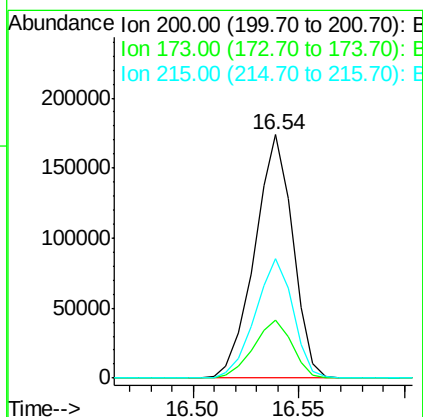
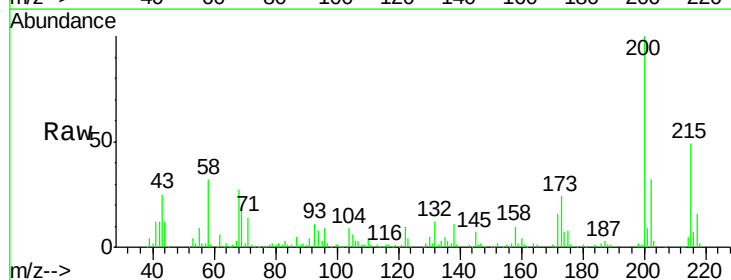
Instrument :
BNA_M
ClientSampleId :
X1W53

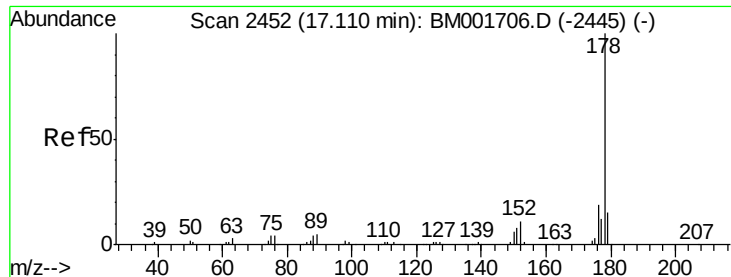
Tgt Ion:284 Resp: 174059
Ion Ratio Lower Upper
284 100
142 33.8 26.6 39.8
249 34.7 27.7 41.5



#67
Atrazine
Concen: 53.18 ng/ul
RT: 16.54 min Scan# 2355
Delta R.T. 0.01 min
Lab File: BM001709.D
Acq: 16 Jun 2015 12:02

Tgt Ion:200 Resp: 217998
Ion Ratio Lower Upper
200 100
173 23.7 19.6 29.4
215 49.1 36.2 54.4





#69

Phenanthrene

Concen: 46.95 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

BNA_M

ClientSampleId :

X1W53

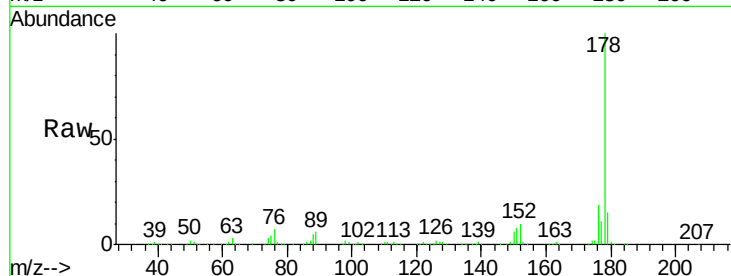
Tgt Ion:178 Resp: 886781

Ion Ratio Lower Upper

178 100

179 15.2 11.9 17.9

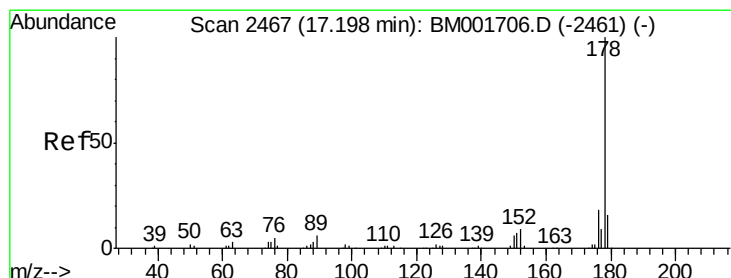
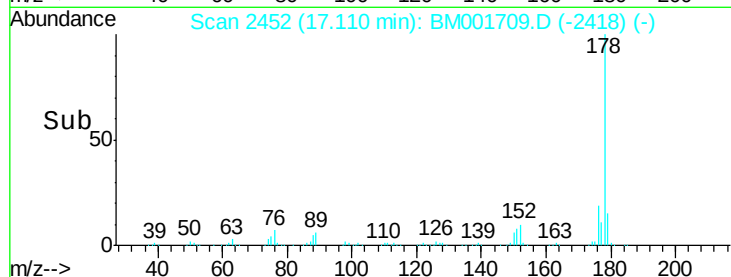
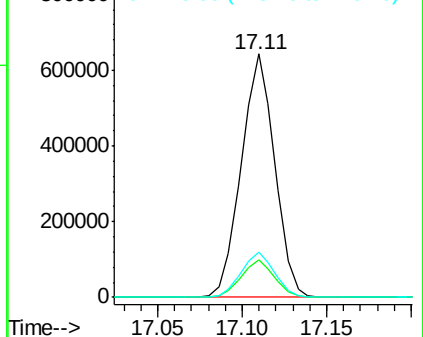
176 18.6 15.2 22.8



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: 45.73 ng/ul

RT: 17.11 min Scan# 2452

Delta R.T. -0.09 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

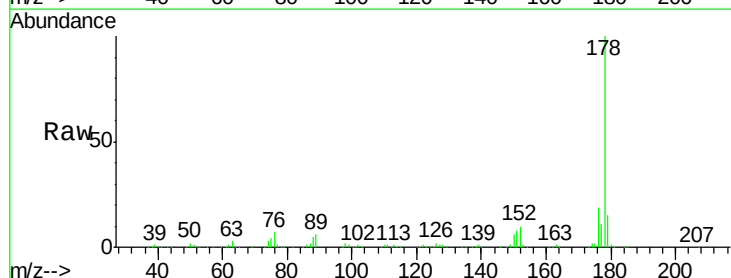
Tgt Ion:178 Resp: 886781

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

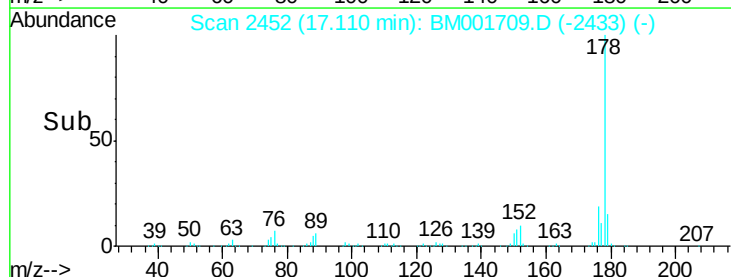
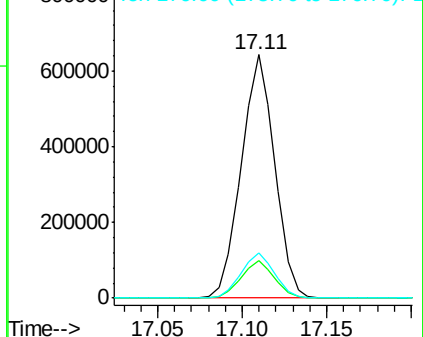
176 18.6 14.4 21.6

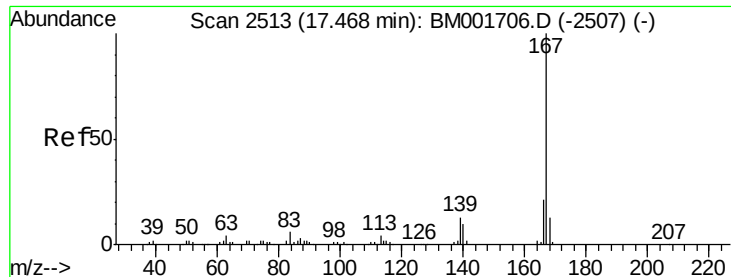


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 76.42 ng/ul

RT: 17.47 min Scan# 2514

Delta R.T. 0.01 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

BNA_M

ClientSampleId :

X1W53

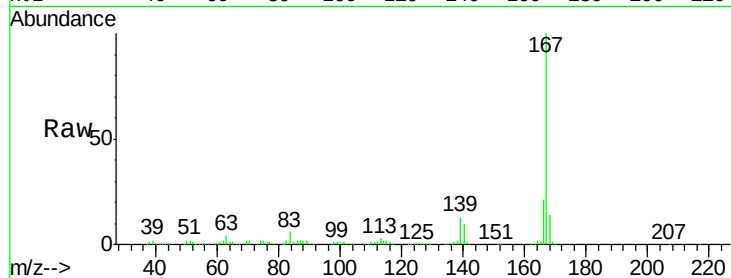
Tgt Ion:167 Resp: 1300196

Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.2

139 13.0 10.1 15.1



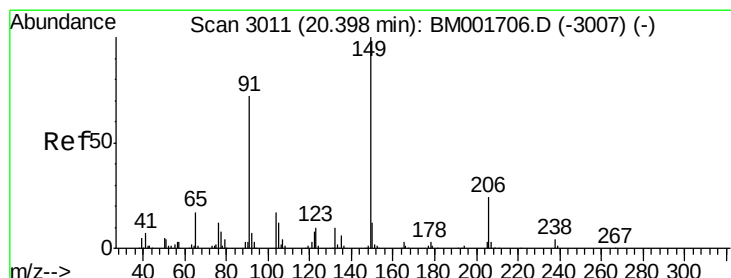
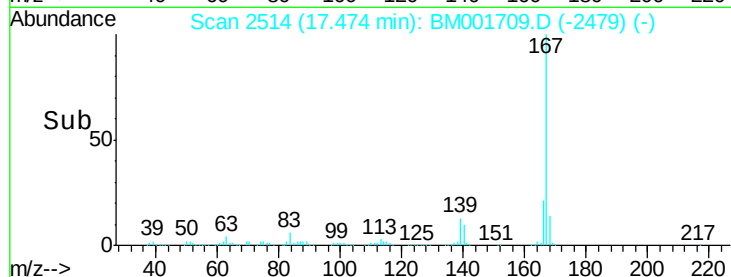
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

17.47

Time-->



#80

Butylbenzylphthalate

Concen: 55.35 ng/ul

RT: 20.40 min Scan# 3011

Delta R.T. 0.00 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

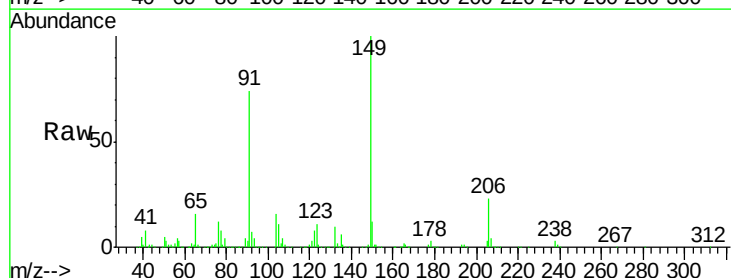
Tgt Ion:149 Resp: 463595

Ion Ratio Lower Upper

149 100

91 73.8 55.0 82.6

206 22.6 20.8 31.2



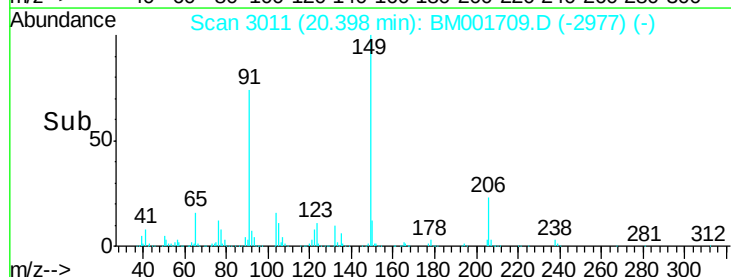
Abundance Ion 149.00 (148.70 to 149.70): E

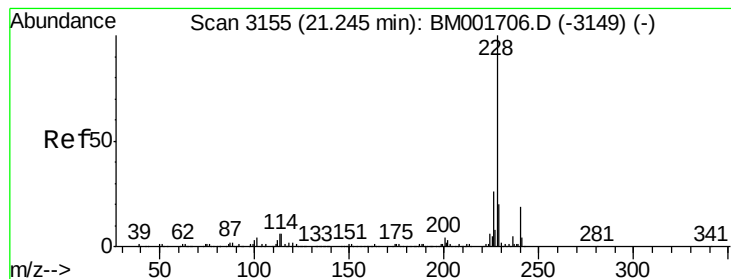
Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

20.40

Time-->





#82

Benzo(a)anthracene

Concen: 49.00 ng/ul

RT: 21.30 min Scan# 3164

Delta R.T. 0.05 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

BNA_M

ClientSampleId :

X1W53

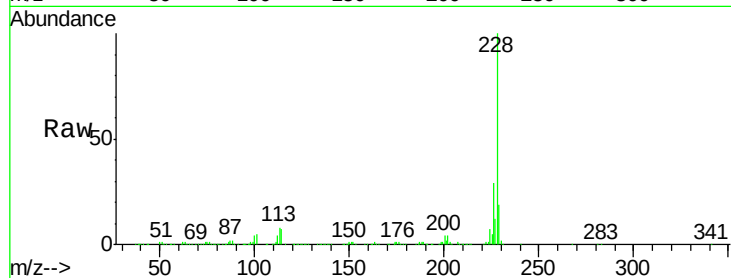
Tgt Ion:228 Resp: 1324930

Ion Ratio Lower Upper

228 100

229 19.4 15.4 23.0

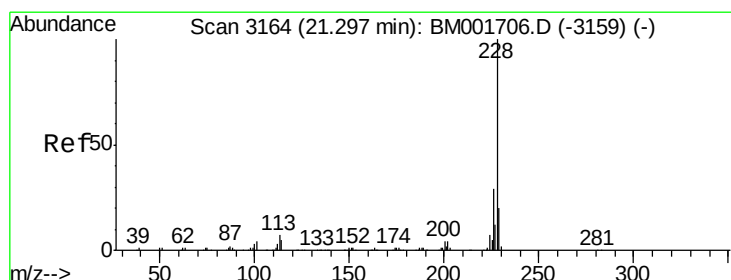
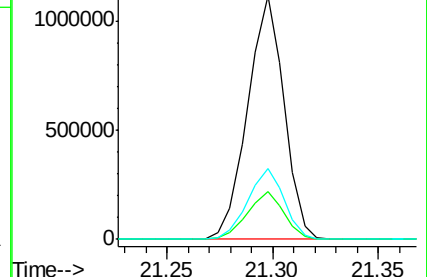
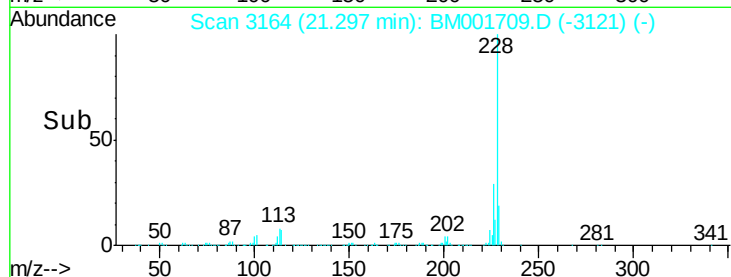
226 29.1 20.6 30.8



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: 51.69 ng/ul

RT: 21.30 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

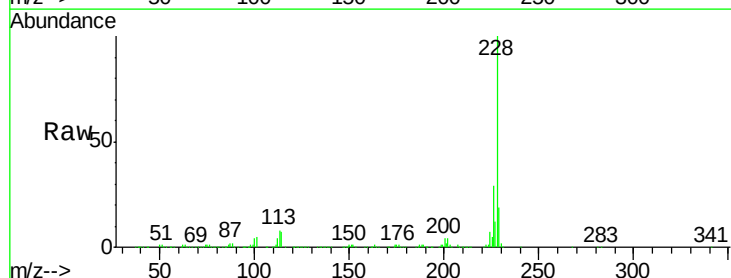
Tgt Ion:228 Resp: 1324930

Ion Ratio Lower Upper

228 100

226 29.1 23.0 34.4

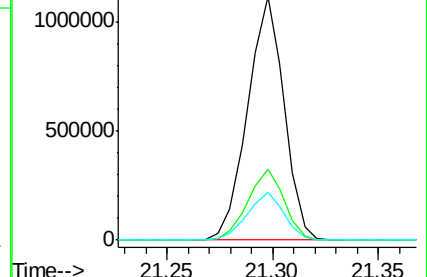
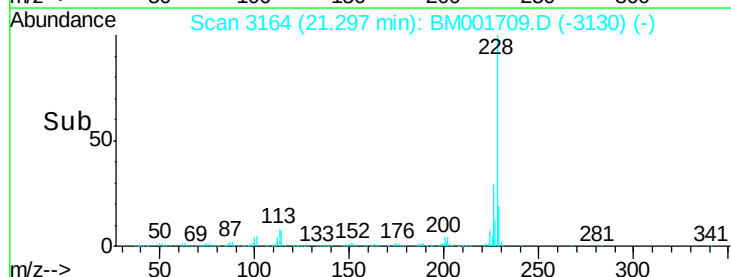
229 19.4 15.4 23.2

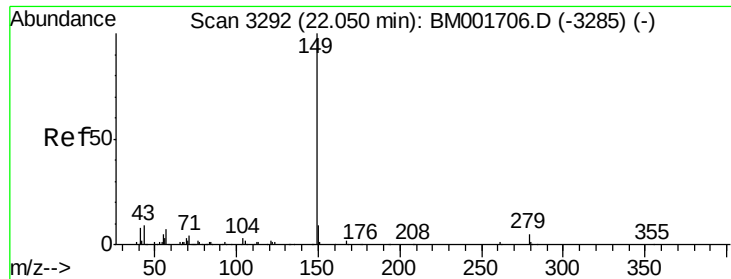


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Di-n-octyl phthalate

Concen: 77.84 ng/ul

RT: 22.05 min Scan# 3292

Delta R.T. 0.00 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

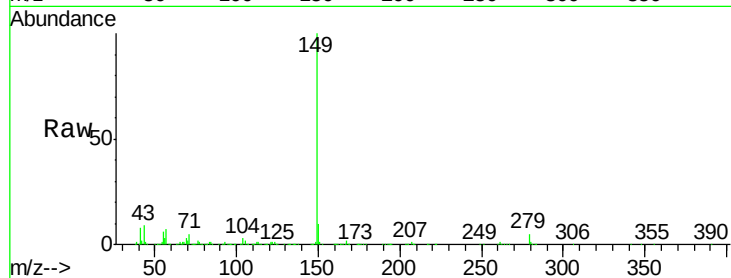
Instrument :

BNA_M

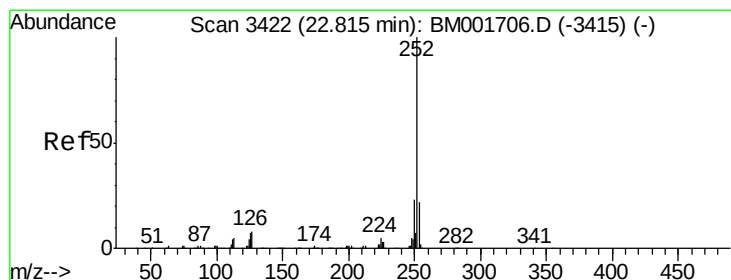
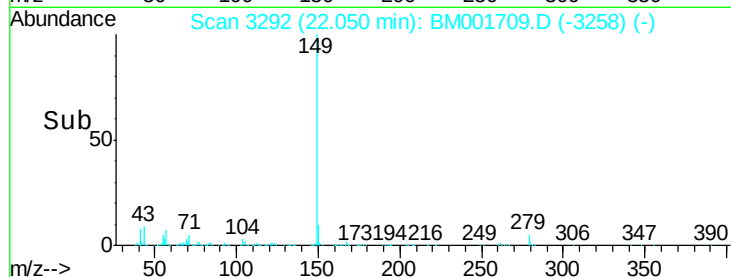
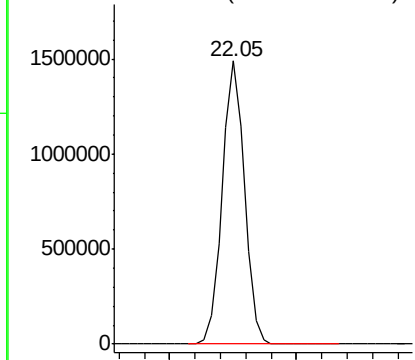
ClientSampleId :

X1W53

Tgt Ion:149 Resp: 1808044



Abundance Ion 149.00 (148.70 to 149.70): E



#87

Benzo(b)fluoranthene

Concen: 68.57 ng/ul

RT: 22.82 min Scan# 3423

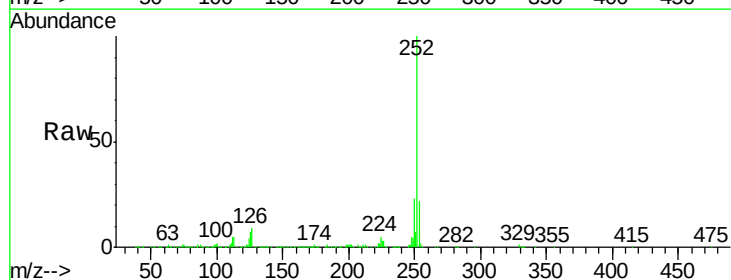
Delta R.T. 0.01 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Tgt Ion:252 Resp: 1886507

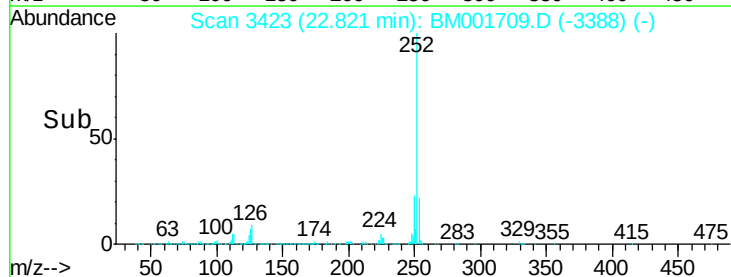
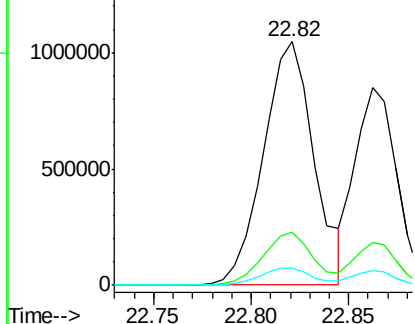
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	7.2	5.3	7.9

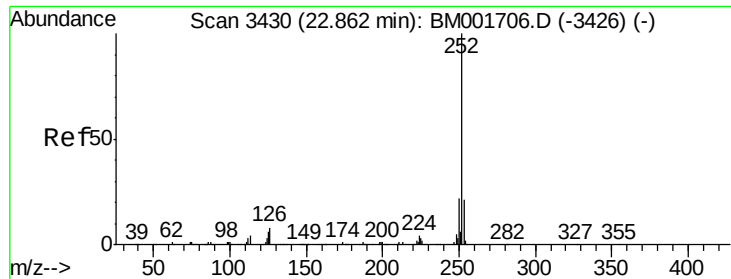


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 46.98 ng/ul

RT: 22.86 min Scan# 3430

Delta R.T. 0.00 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

Instrument :

BNA_M

ClientSampleId :

X1W53

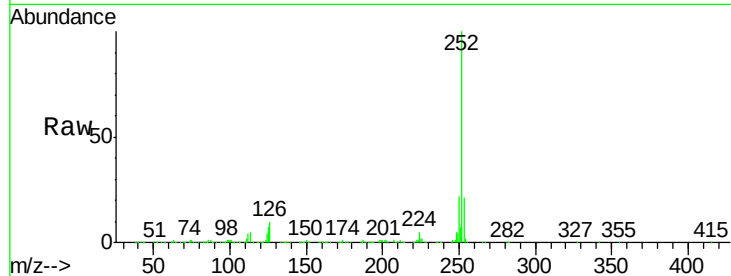
Tgt Ion:252 Resp: 1249145

Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

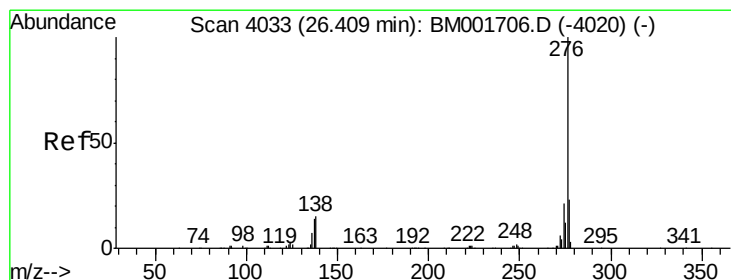
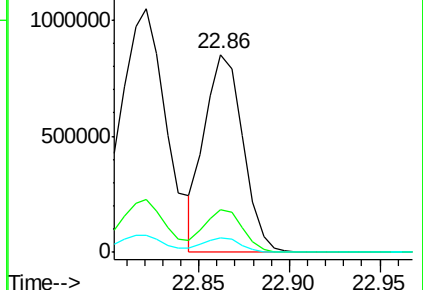
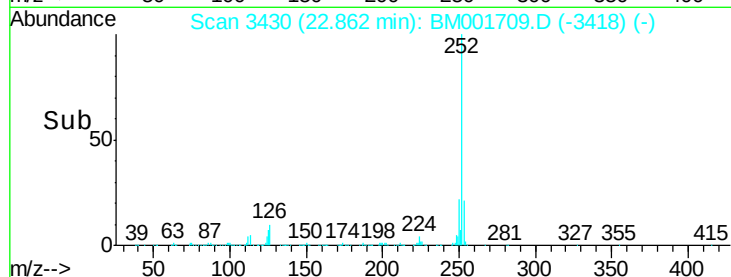
125 7.5 5.3 7.9



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



#93

Benzo(g,h,i)perylene

Concen: 64.28 ng/ul

RT: 26.43 min Scan# 4036

Delta R.T. 0.02 min

Lab File: BM001709.D

Acq: 16 Jun 2015 12:02

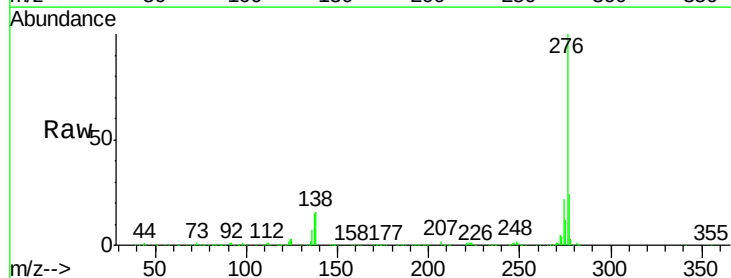
Tgt Ion:276 Resp: 1715573

Ion Ratio Lower Upper

276 100

138 16.5 12.6 19.0

277 23.6 18.7 28.1



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

