

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121115\
 Data File : BM003498.D
 Acq On : 12 Dec 2015 00:54
 Operator : UM/IZ
 Sample : G4734-16
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4KX7

Quant Time: Dec 12 02:18:30 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM120115.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 12 00:54:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	1751	20.00	ng/ul	0.00
18) Naphthalene-d8	10.51	136	8841	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.37	164	4948	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.12	188	9148	20.00	ng/ul	0.00
78) Chrysene-d12	21.31	240	8641	20.00	ng/ul	0.00
86) Perylene-d12	23.56	264	9858	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	3538	100.40	ng/uL	0.00
5) Phenol-d5	6.89	99	73004	522.23	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	114980	1490.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	155746	1347.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.42	113	116396	992.52	ng/ul	0.00
19) Nitrobenzene-d5	8.87	128	84732	1405.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.59	143	92600	1468.81	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.13	165	160929	1287.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	17310	122.38	ng/ul	0.00
44) Dimethylphthalate-d6	13.78	166	490767	1319.29	ng/ul	0.00
47) Acenaphthylene-d8	14.06	160	600008	1312.22	ng/ul	0.00
52) 4-Nitrophenol-d4	14.57	143	18719	280.74	ng/ul	0.00
58) Fluorene-d10	15.36	176	415906	1299.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.49	200	50666	1082.52	ng/ul	0.00
71) Anthracene-d10	17.22	188	578113	1422.41	ng/ul	0.00
79) Pyrene-d10	19.52	212	598367	1414.53	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.42	264	558013	1173.22	ng/ul	0.00
Target Compounds						
6) Phenol	6.92	94	27972	189.52	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.15	93	614	5.39	ng/ul#	78
12) 2,2'-oxybis(1-Chloropropan	8.42	45	405	3.56	ng/ul#	60
15) N-Nitroso-di-n-propylamine	8.42	70	2697	31.81	ng/ul#	1
16) 4-Methylphenol	8.48	108	1647	12.94	ng/ul	92
21) Isophorone	9.59	82	7090	27.25	ng/ul#	68
28) Naphthalene	10.56	128	2499402	5598.85	ng/ul	99
34) 2-Methylnaphthalene	12.17	142	3971	12.18	ng/ul	96
35) 1-Methylnaphthalene	12.40	142	1588	5.15	ng/ul#	80
39) 2,4,6-Trichlorophenol	12.87	196	229	2.36	ng/ul#	12
40) 2,4,5-Trichlorophenol	12.87	196	229	2.13	ng/ul#	11
46) 2,6-Dinitrotoluene	13.78	165	2669	38.02	ng/ul#	32
50) Acenaphthene	14.43	153	1554	4.66	ng/ul	94
54) Dibenzofuran	14.77	168	1774	3.75	ng/ul	93
57) Diethylphthalate	15.19	149	493	1.33	ng/ul#	59
59) Fluorene	15.42	166	2456	6.70	ng/ul#	81
70) Phenanthrene	17.16	178	7483	14.86	ng/ul	96
72) Anthracene	17.16	178	7483	14.74	ng/ul	97
75) Carbazole	17.52	167	2322	5.29	ng/ul#	83
77) Fluoranthene	19.18	202	1200	2.36	ng/ul#	73
80) Pyrene	19.54	202	671	1.20	ng/ul#	69
84) Bis(2-ethylhexyl)phthalate	21.23	149	3184	12.56	ng/ul#	92
91) Benzo(a)pyrene	23.42	252	1576	2.82	ng/ul#	38

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 12 00:54:45 2015
Response via : Initial Calibration

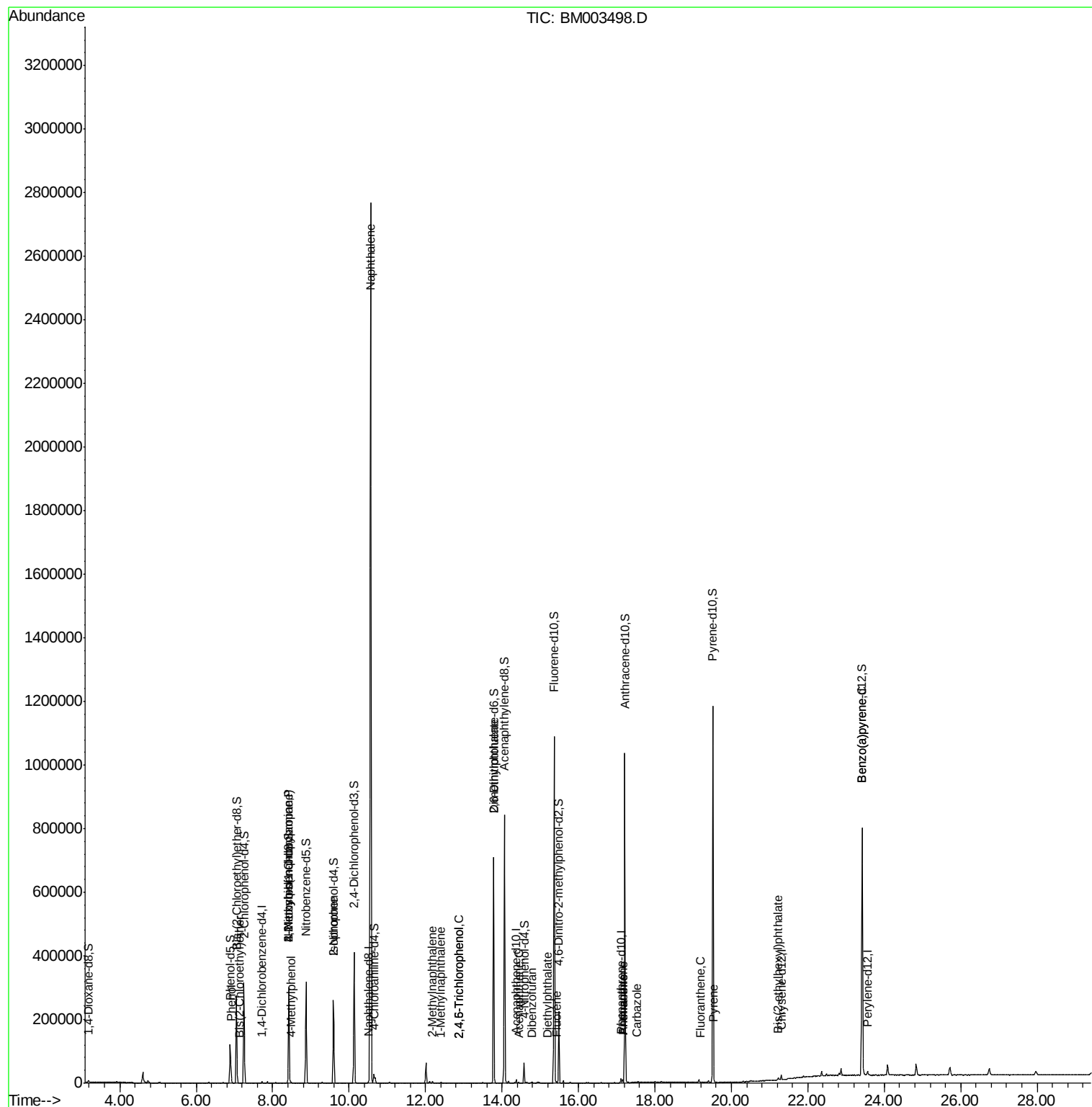
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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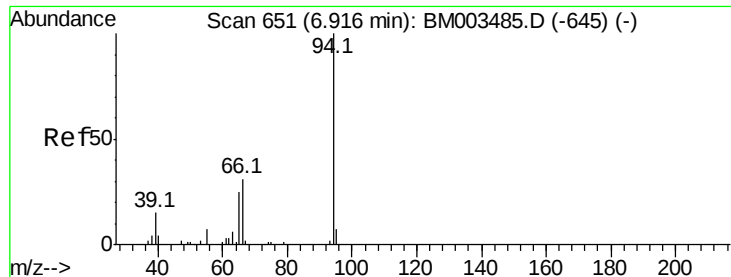
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 189.52 ng/ul

RT: 6.92 min Scan# 651

Delta R.T. 0.00 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

Instrument :

BNA_M

ClientSampleId :

A4KX7

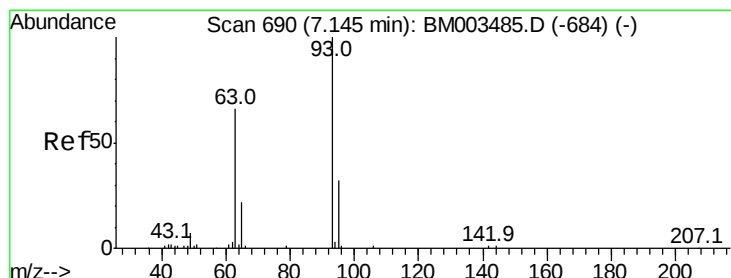
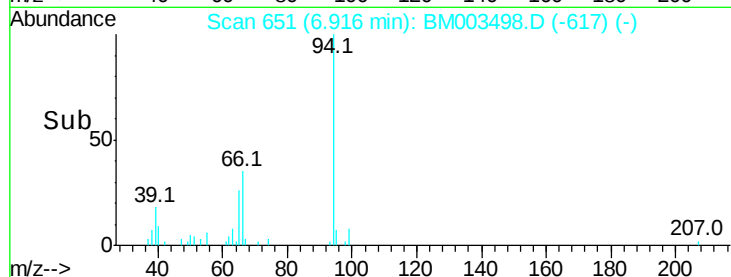
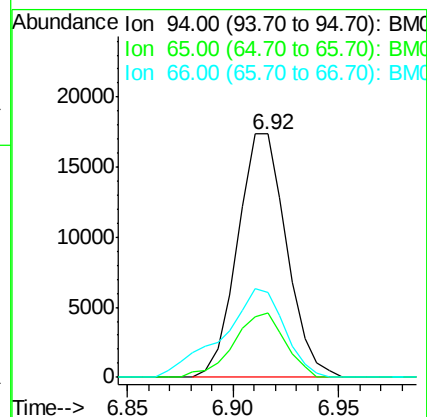
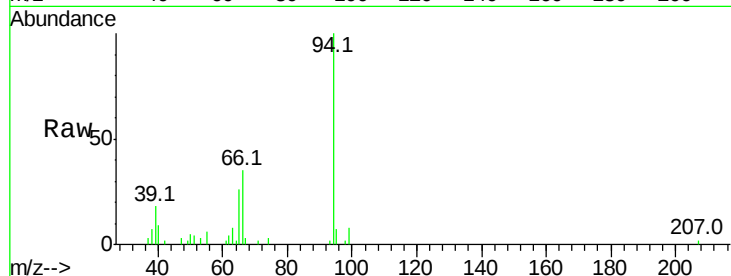
Tot Ion: 94 Resp: 27972

Ion Ratio Lower Upper

94 100

65 26.4 20.6 30.8

66 34.7 27.4 41.0



#8

Bis(2-Chloroethyl)ether

Concen: 5.39 ng/ul

RT: 7.15 min Scan# 690

Delta R.T. 0.00 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

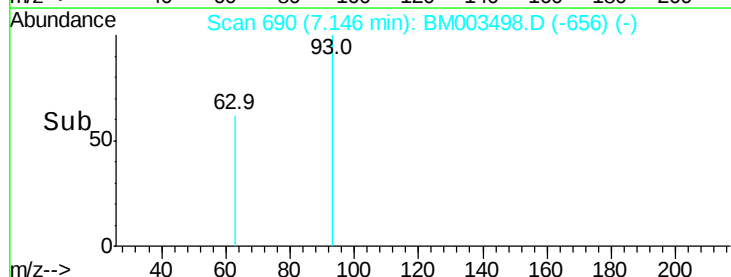
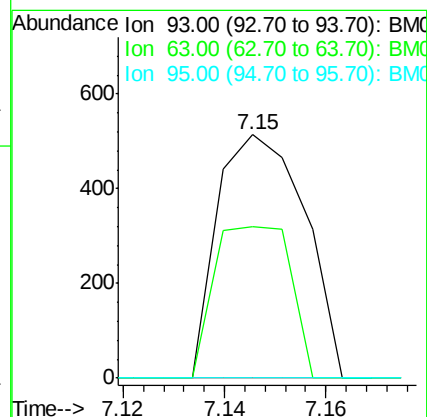
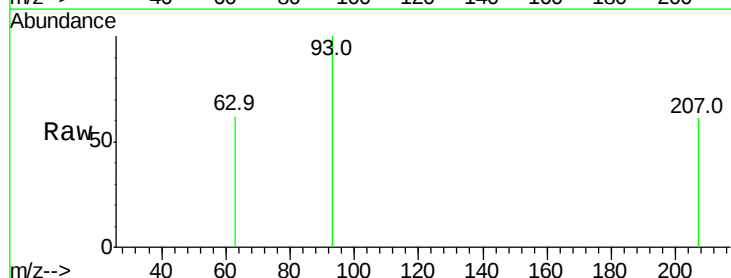
Tgt Ion: 93 Resp: 614

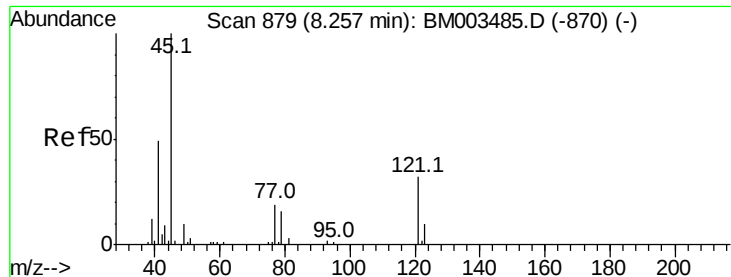
Ion Ratio Lower Upper

93 100

63 62.5 52.9 79.3

95 0.0 26.1 39.1#

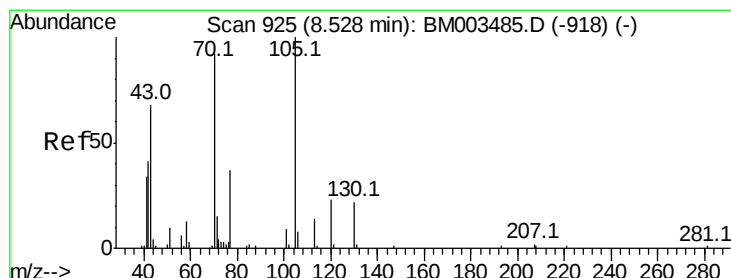
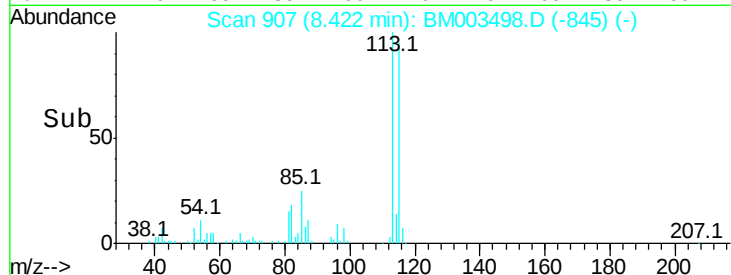
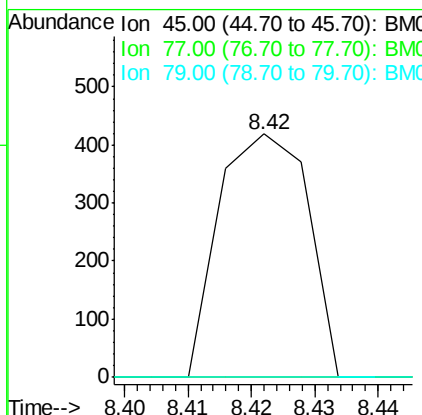
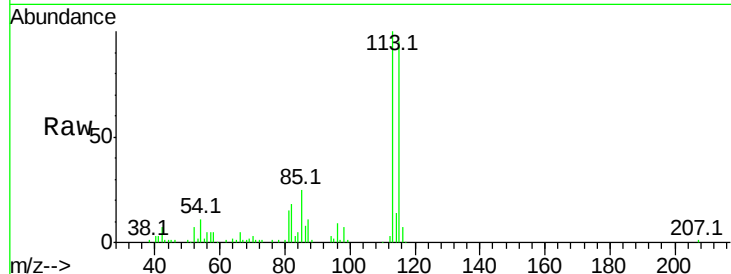




#12
2,2'-oxvbis(1-Chloropropane)
Concen: 3.56 ng/ul
RT: 8.42 min Scan# 907
Delta R.T. 0.16 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

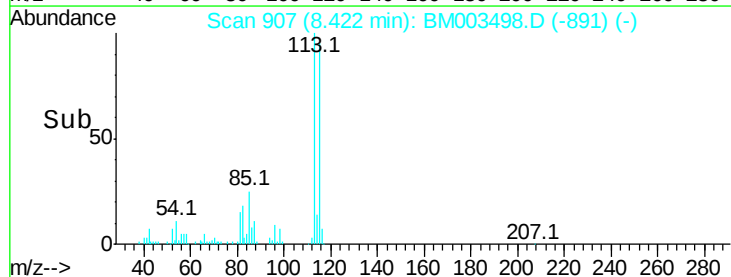
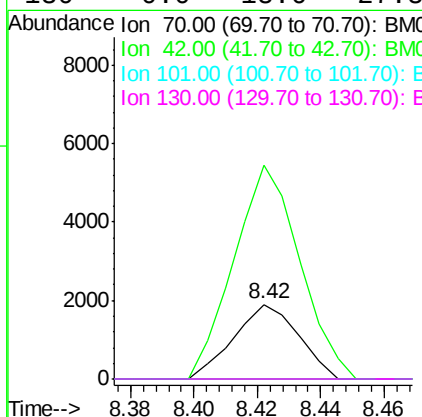
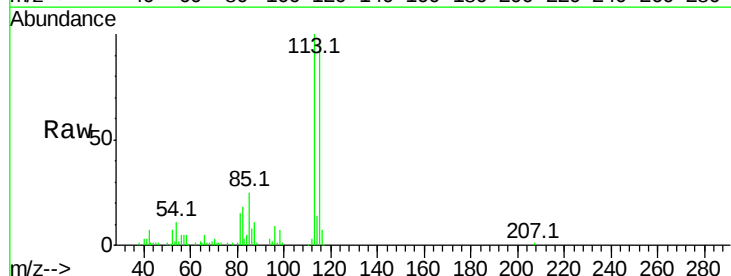
Instrument :
BNA_M
ClientSampleId :
A4KX7

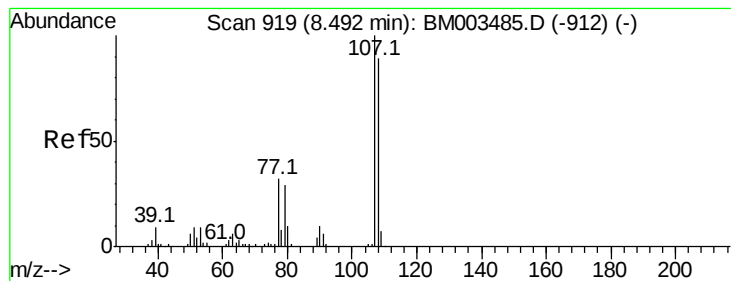
Tot Ion: 45 Resp: 405
Ion Ratio Lower Upper
45 100
77 0.0 15.2 22.8#
79 0.0 12.3 18.5#



#15
N-Nitroso-di-n-propylamine
Concen: 31.81 ng/ul
RT: 8.42 min Scan# 907
Delta R.T. -0.11 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

Tgt Ion: 70 Resp: 2697
Ion Ratio Lower Upper
70 100
42 286.7 35.0 52.6#
101 0.0 8.6 13.0#
130 0.0 18.6 27.8#





#16

4-Methylphenol

Concen: 12.94 ng/ul

RT: 8.48 min Scan# 917

Delta R.T. -0.01 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

Instrument :

BNA_M

ClientSampleId :

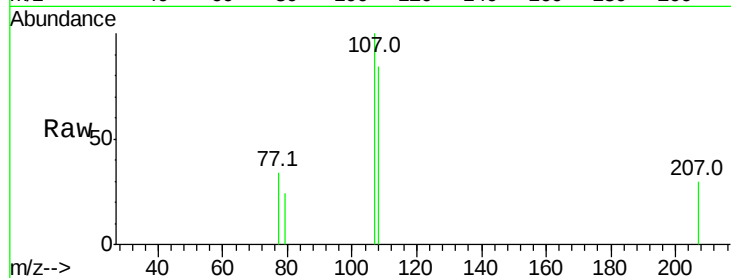
A4KX7

Tot Ion:108 Resp: 1647

Ion Ratio Lower Upper

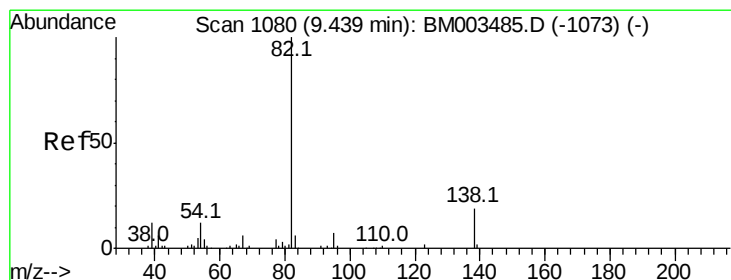
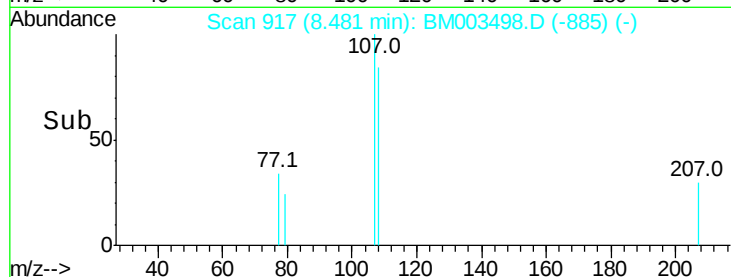
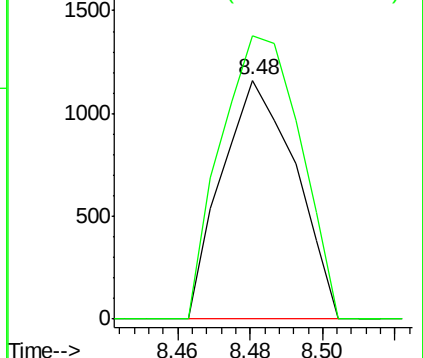
108 100

107 118.6 88.2 132.4



Abundance Ion 108.00 (107.70 to 108.70): E

Ion 107.00 (106.70 to 107.70): E



#21

Isophorone

Concen: 27.25 ng/ul

RT: 9.59 min Scan# 1106

Delta R.T. 0.15 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

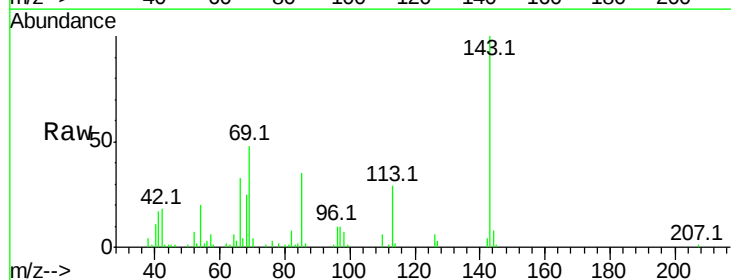
Tgt Ion: 82 Resp: 7090

Ion Ratio Lower Upper

82 100

95 8.9 5.8 8.8#

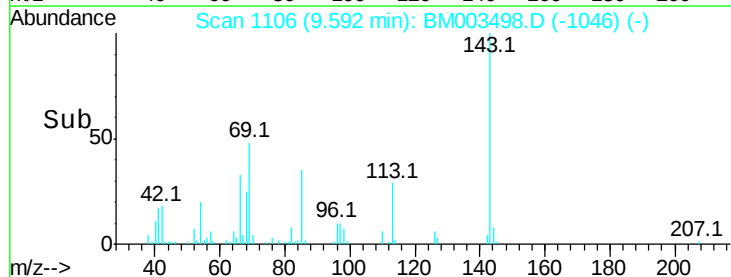
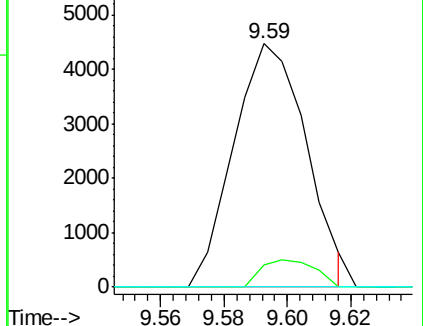
138 0.0 15.5 23.3#

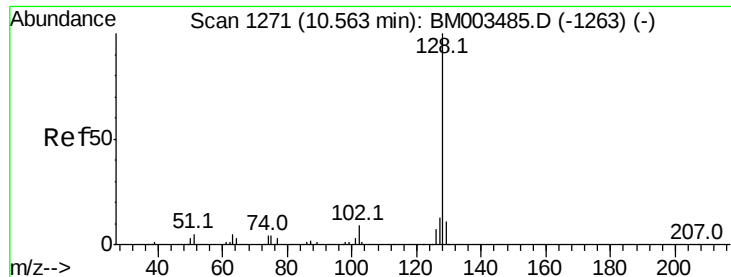


Abundance Ion 82.00 (81.70 to 82.70): BM0

Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E

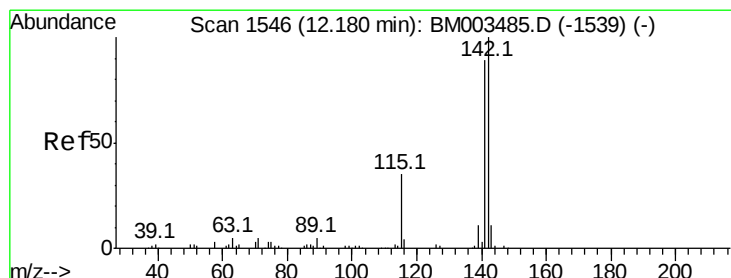
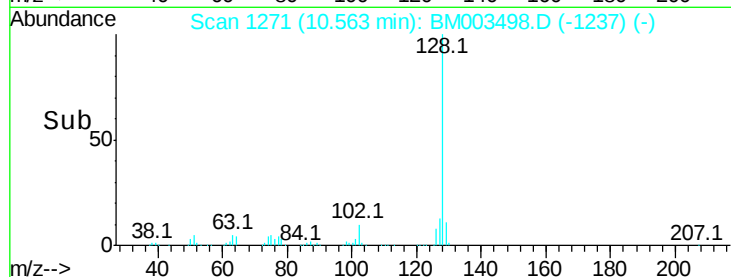
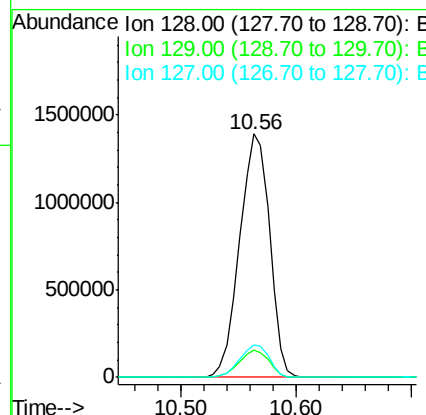
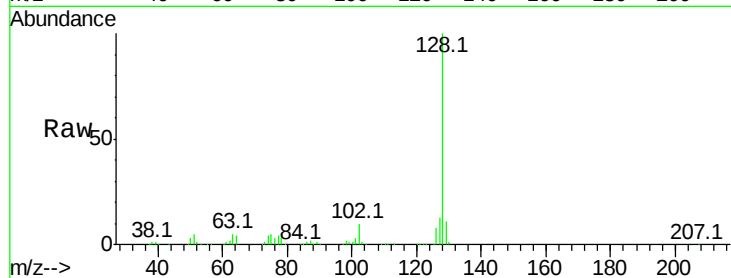




#28
Naphthalene
Concen: 5598.85 ng/ul
RT: 10.56 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

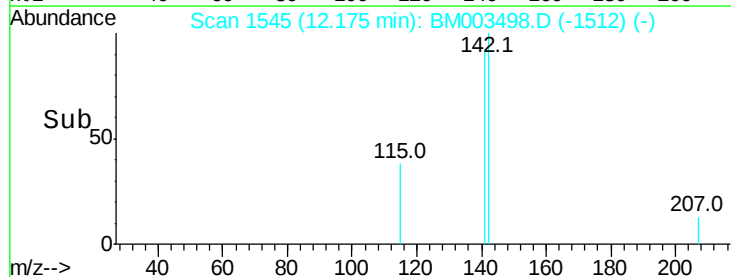
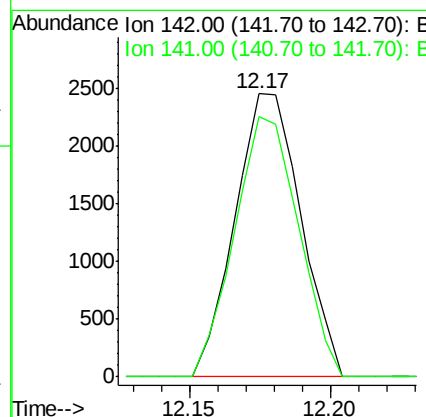
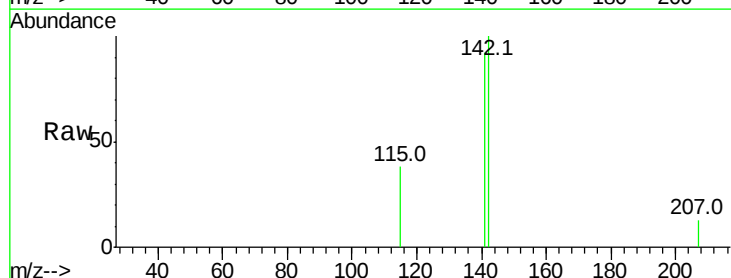
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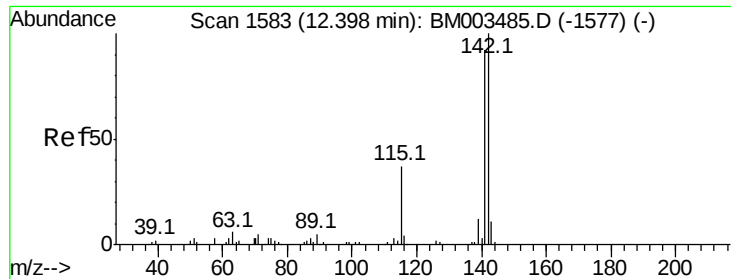
Tot Ion:128 Resp: 2499402
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.3 10.3 15.5



#34
2-Methylnaphthalene
Concen: 12.18 ng/ul
RT: 12.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

Tgt Ion:142 Resp: 3971
Ion Ratio Lower Upper
142 100
141 92.0 70.5 105.7

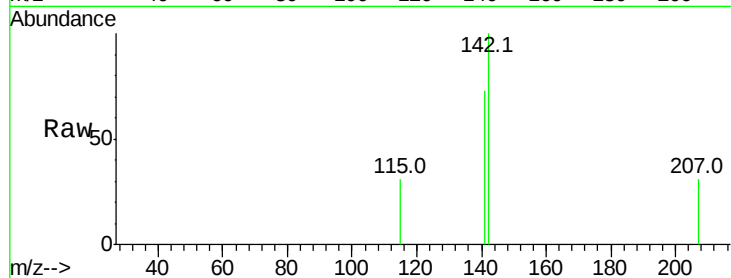




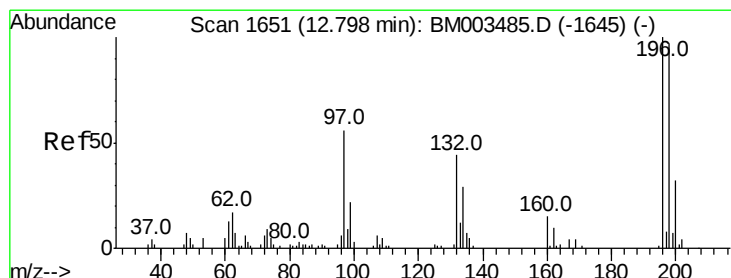
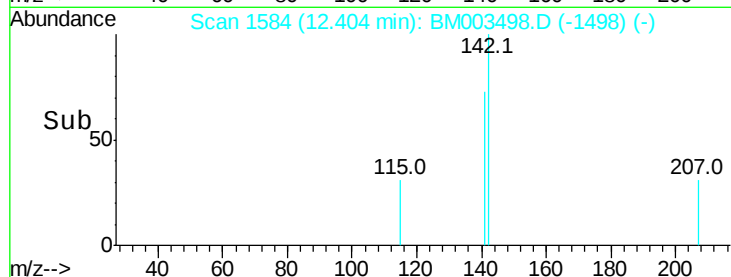
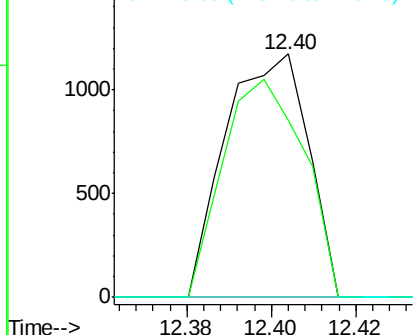
#35
 1-Methylnaphthalene
 Concen: 5.15 ng/ul
 RT: 12.40 min Scan# 1584
 Delta R.T. 0.01 min
 Lab File: BM003498.D
 Acq: 12 Dec 2015 00:54

Instrument :
 BNA_M
 ClientSampleId :
 A4KX7

Tot Ion:142 Resp: 1588
 Ion Ratio Lower Upper
 142 100
 141 72.5 73.2 109.8#
 116 0.0 3.0 4.6#

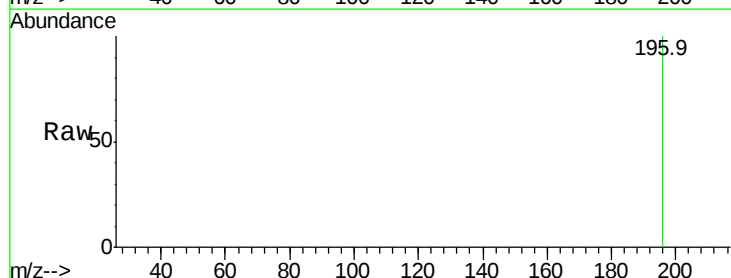


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

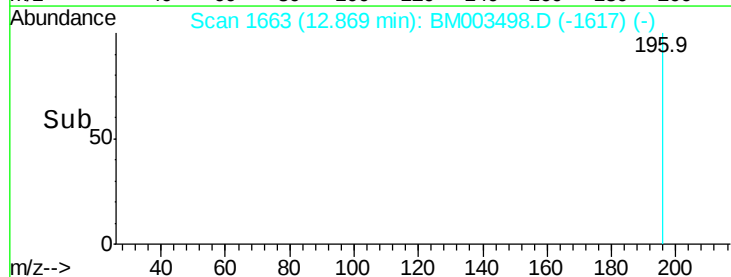
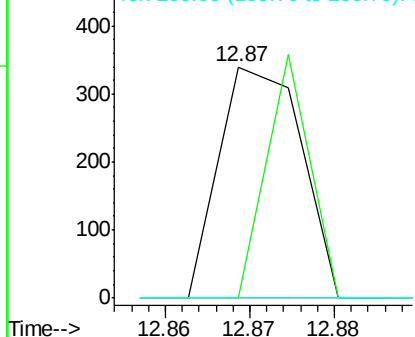


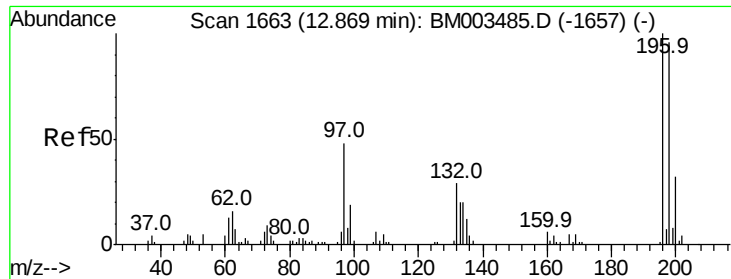
#39
 2,4,6-Trichlorophenol
 Concen: 2.36 ng/ul
 RT: 12.87 min Scan# 1663
 Delta R.T. 0.07 min
 Lab File: BM003498.D
 Acq: 12 Dec 2015 00:54

Tgt Ion:196 Resp: 229
 Ion Ratio Lower Upper
 196 100
 198 0.0 76.1 114.1#
 200 0.0 24.3 36.5#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

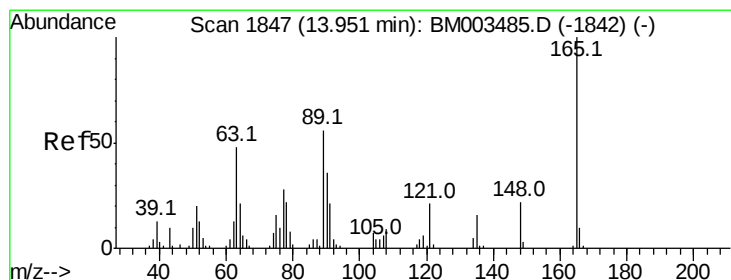
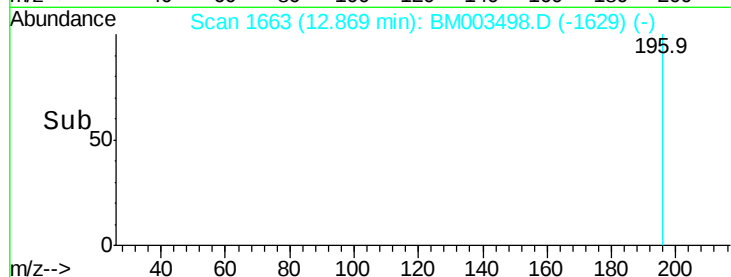
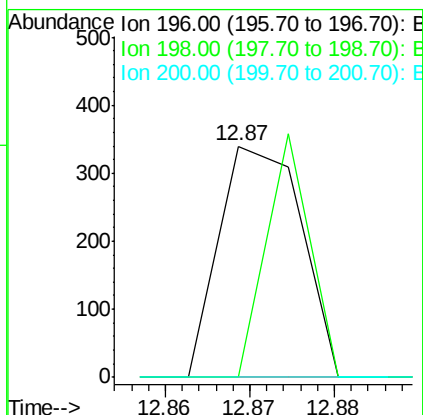
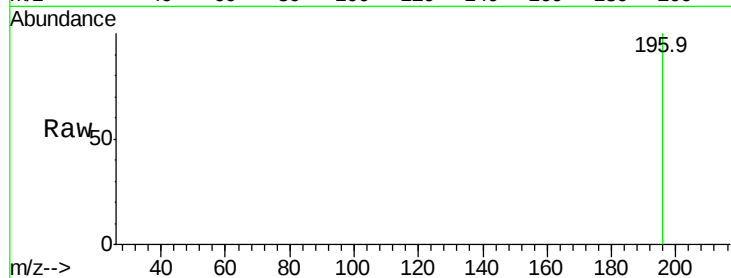




#40
 2,4,5-Trichlorophenol
 Concen: 2.13 ng/ul
 RT: 12.87 min Scan# 1663
 Delta R.T. 0.00 min
 Lab File: BM003498.D
 Acq: 12 Dec 2015 00:54

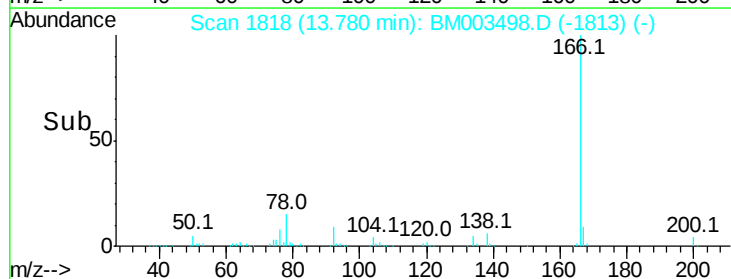
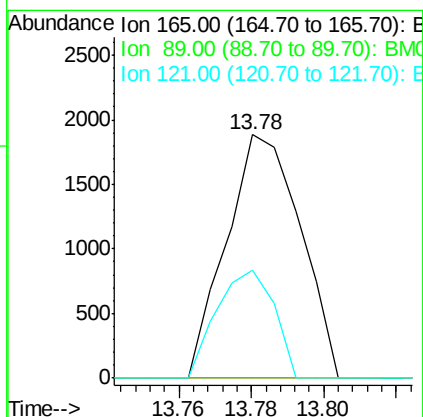
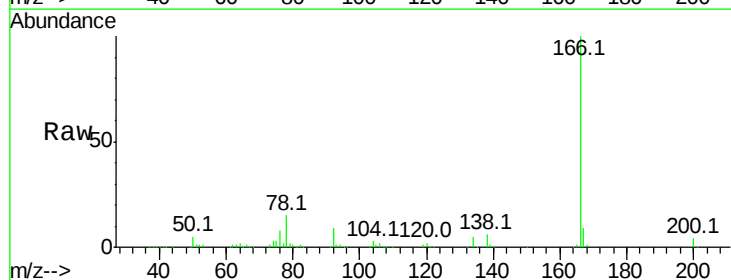
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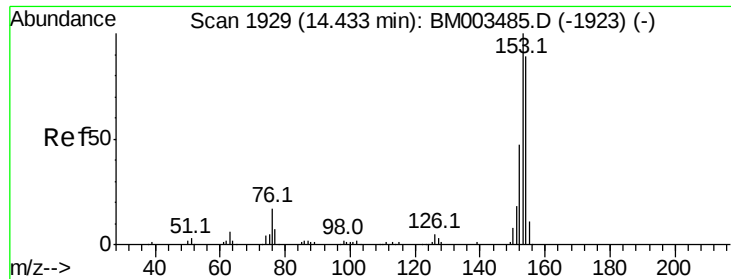
Tot Ion:196 Resp: 229
 Ion Ratio Lower Upper
 196 100
 198 0.0 77.8 116.8#
 200 0.0 24.8 37.2#



#46
 2,6-Dinitrotoluene
 Concen: 38.02 ng/ul
 RT: 13.78 min Scan# 1818
 Delta R.T. -0.17 min
 Lab File: BM003498.D
 Acq: 12 Dec 2015 00:54

Tgt Ion:165 Resp: 2669
 Ion Ratio Lower Upper
 165 100
 89 0.0 42.0 63.0#
 121 44.3 16.6 24.8#





#50

Acenaphthene

Concen: 4.66 ng/ul

RT: 14.43 min Scan# 1929

Delta R.T. 0.00 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

Instrument :

BNA_M

ClientSampleId :

A4KX7

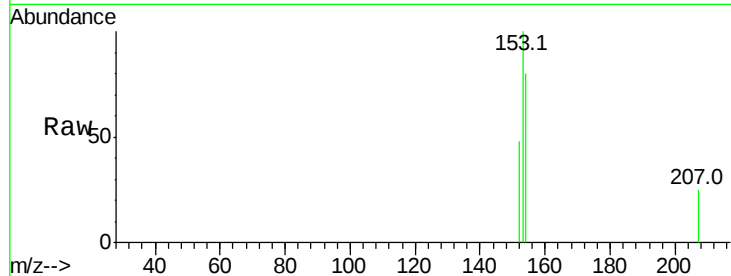
Tot Ion:153 Resp: 1554

Ion Ratio Lower Upper

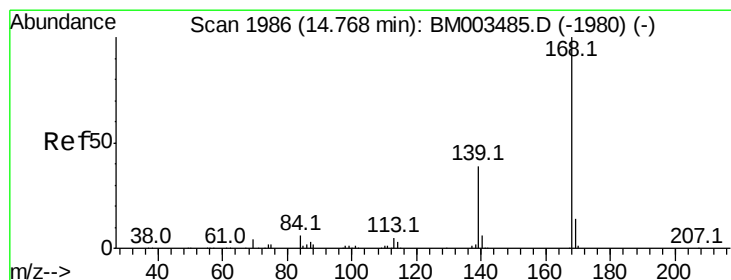
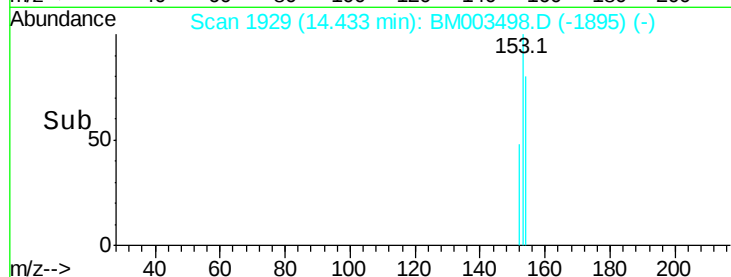
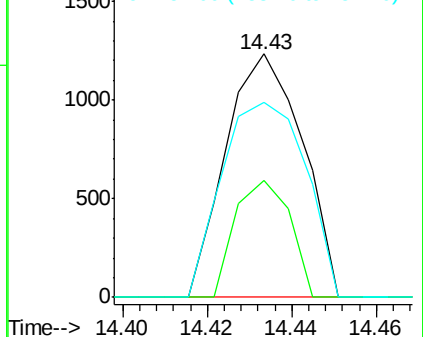
153 100

152 48.0 37.8 56.6

154 80.1 70.8 106.2



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: 3.75 ng/ul

RT: 14.77 min Scan# 1986

Delta R.T. 0.00 min

Lab File: BM003498.D

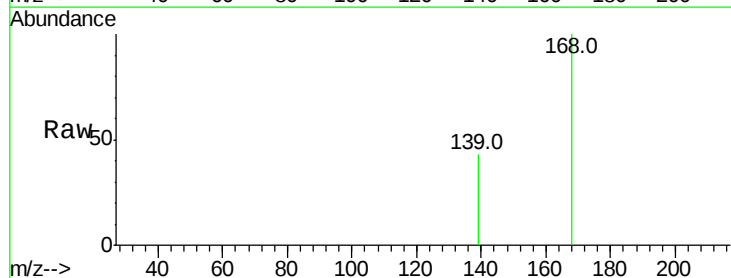
Acq: 12 Dec 2015 00:54

Tgt Ion:168 Resp: 1774

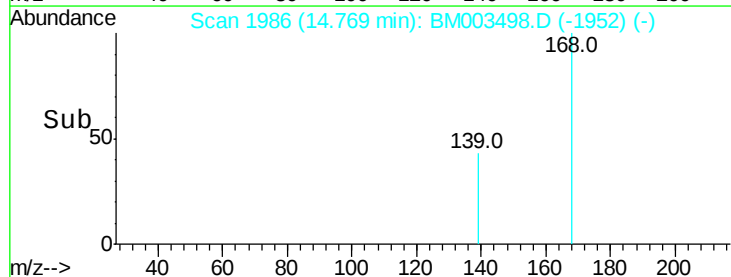
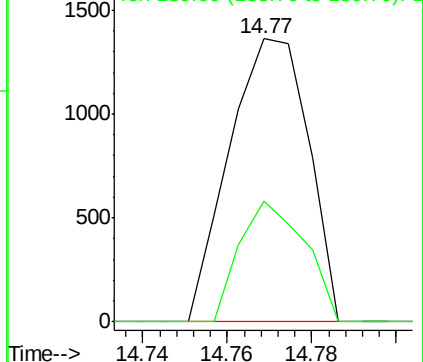
Ion Ratio Lower Upper

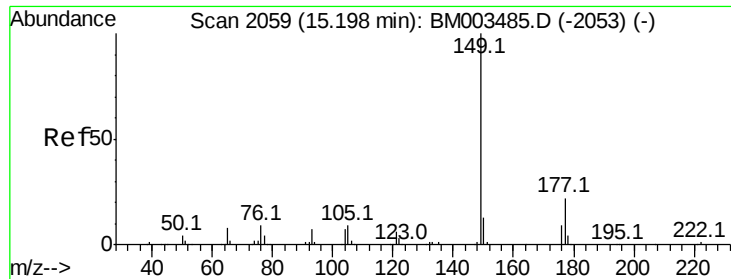
168 100

139 42.7 30.6 45.8



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

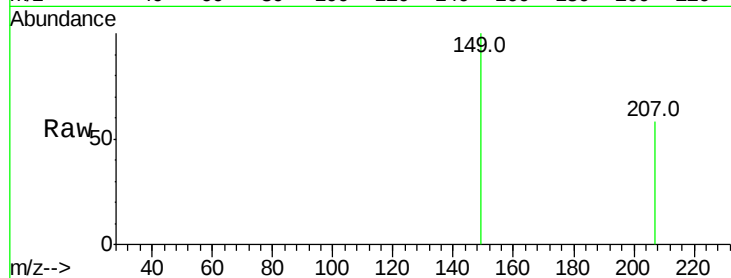




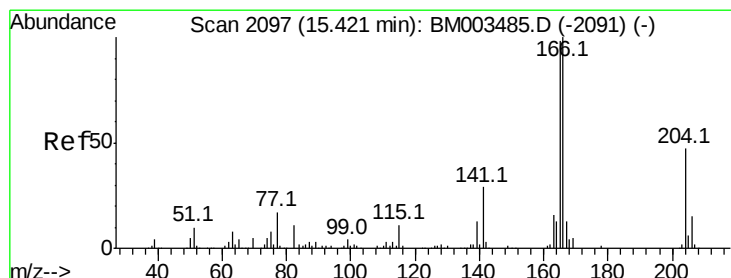
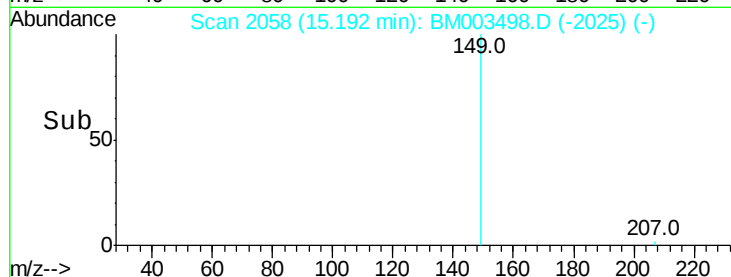
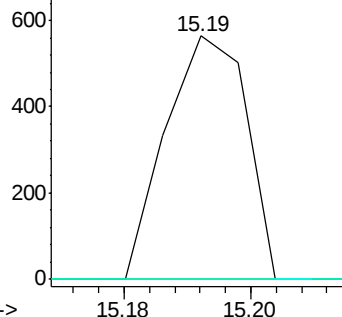
#57
Diethylphthalate
Concen: 1.33 ng/ul
RT: 15.19 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

Instrument :
BNA_M
ClientSampleId :
A4KX7

Tot Ion:149 Resp: 493
Ion Ratio Lower Upper
149 100
177 0.0 17.8 26.6#
150 0.0 9.9 14.9#

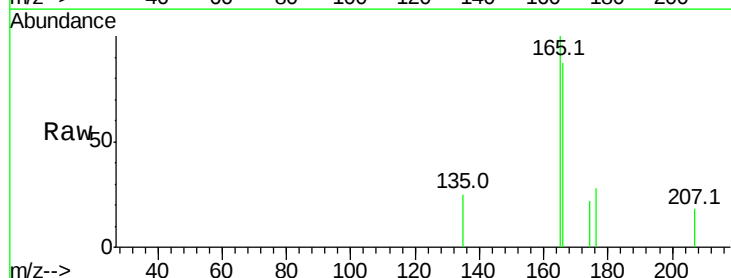


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

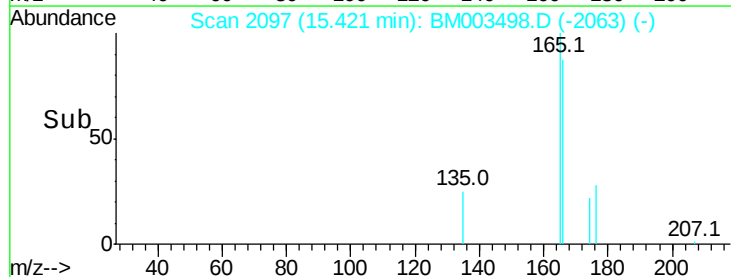
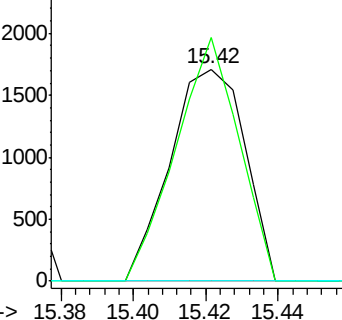


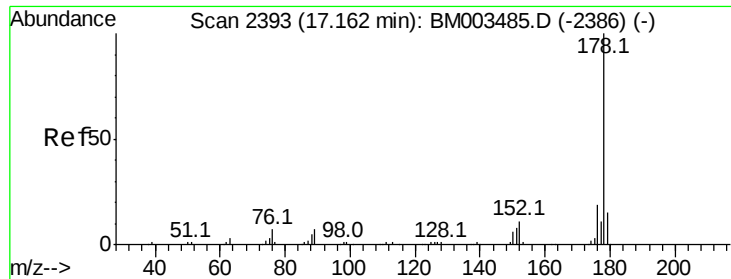
#59
Fluorene
Concen: 6.70 ng/ul
RT: 15.42 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

Tgt Ion:166 Resp: 2456
Ion Ratio Lower Upper
166 100
165 115.0 78.8 118.2
167 0.0 10.8 16.2#



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: 14.86 ng/ul

RT: 17.16 min Scan# 2393

Delta R.T. 0.00 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

Instrument :

BNA_M

ClientSampleId :

A4KX7

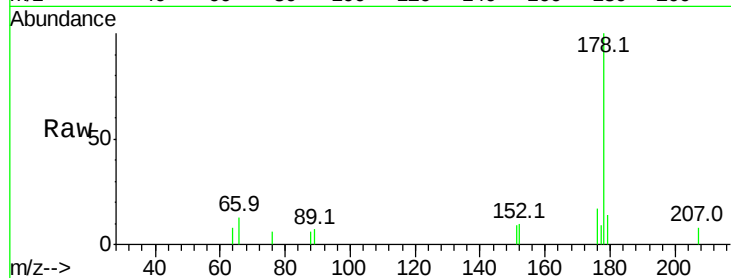
Tot Ion:178 Resp: 7483

Ion Ratio Lower Upper

178 100

179 14.4 12.2 18.2

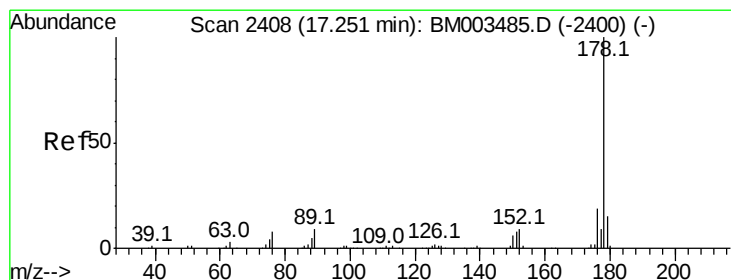
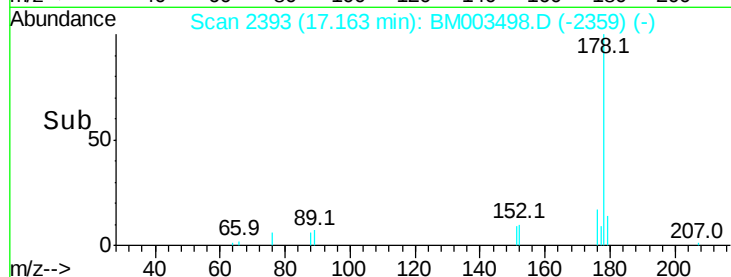
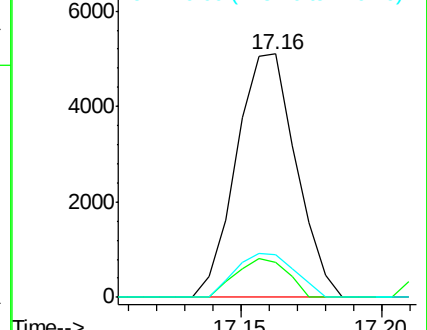
176 17.3 15.6 23.4



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: 14.74 ng/ul

RT: 17.16 min Scan# 2393

Delta R.T. -0.09 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

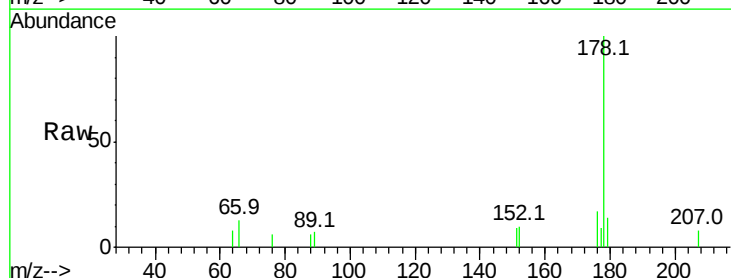
Tgt Ion:178 Resp: 7483

Ion Ratio Lower Upper

178 100

179 14.4 12.2 18.4

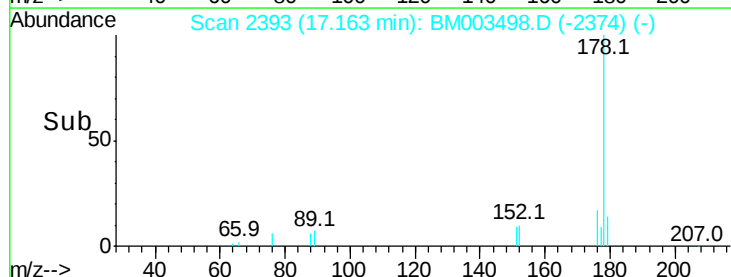
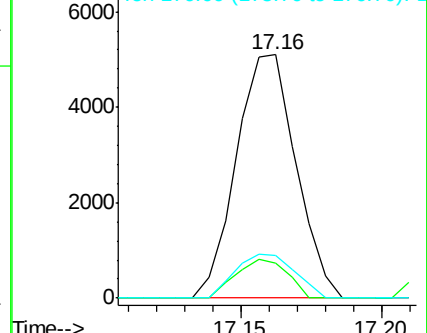
176 17.3 14.9 22.3

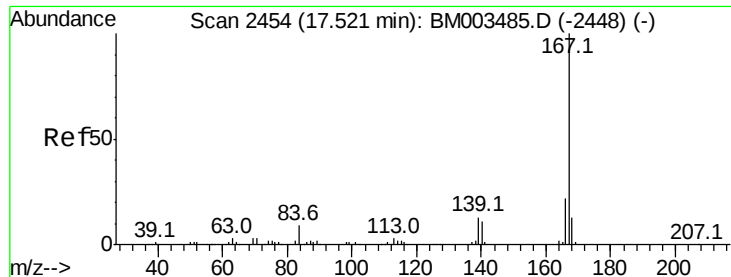


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 5.29 ng/ul

RT: 17.52 min Scan# 2454

Delta R.T. 0.00 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

Instrument :

BNA_M

ClientSampleId :

A4KX7

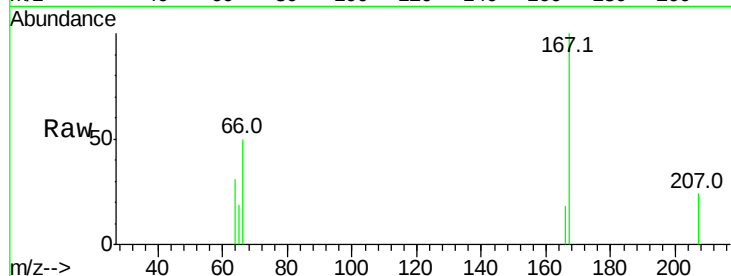
Tot Ion:167 Resp: 2322

Ion Ratio Lower Upper

167 100

166 17.7 16.8 25.2

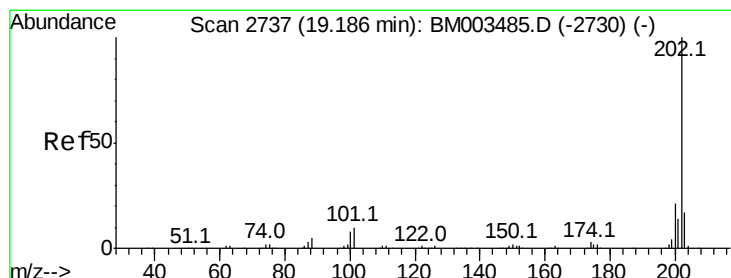
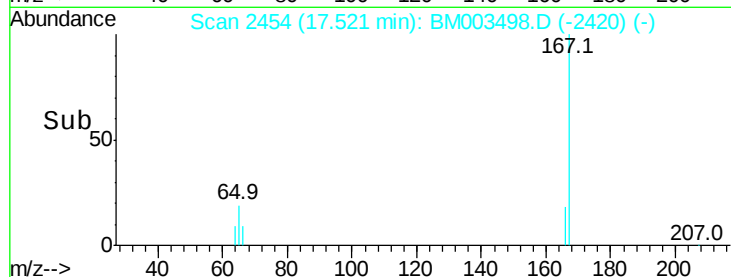
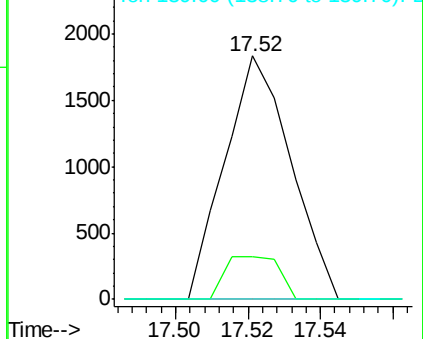
139 0.0 10.6 16.0#



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: 2.36 ng/ul

RT: 19.18 min Scan# 2736

Delta R.T. -0.01 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

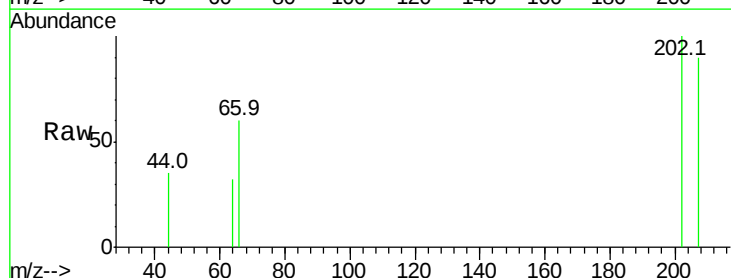
Tgt Ion:202 Resp: 1200

Ion Ratio Lower Upper

202 100

101 0.0 9.2 13.8#

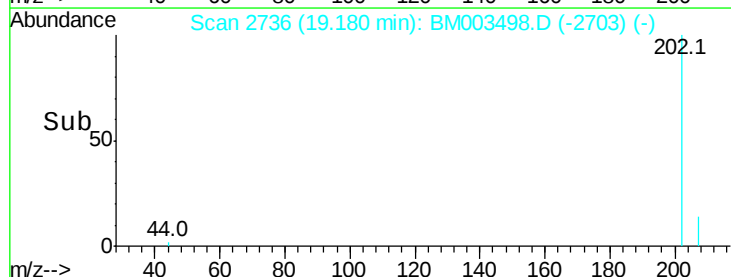
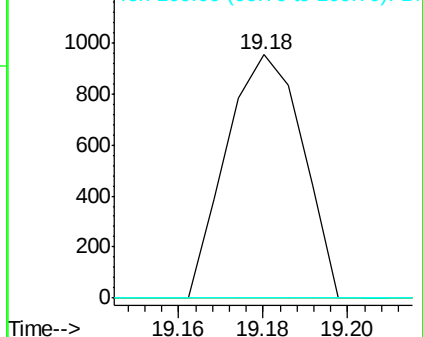
100 0.0 7.0 10.4#

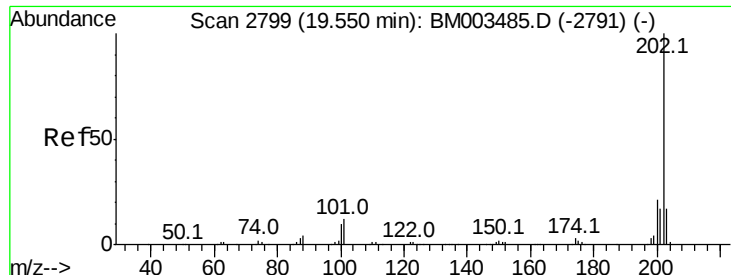


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

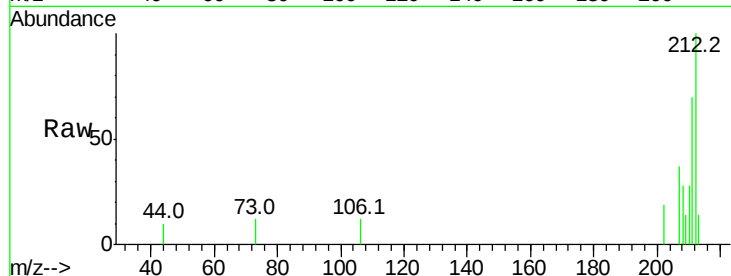




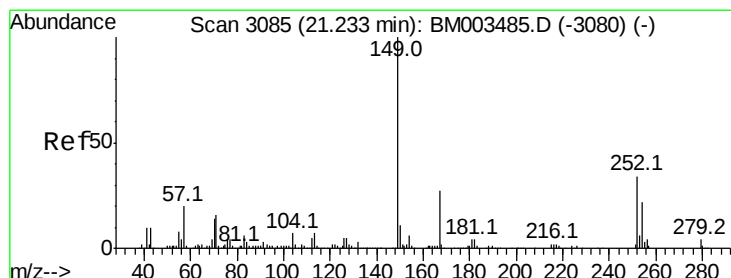
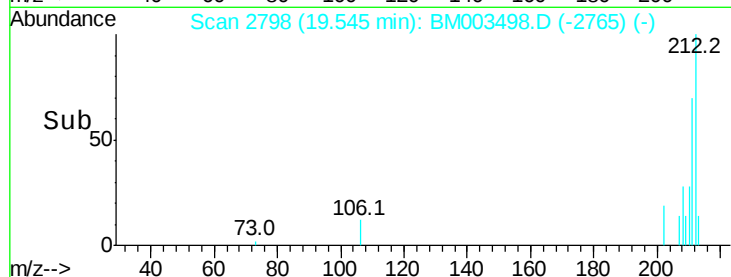
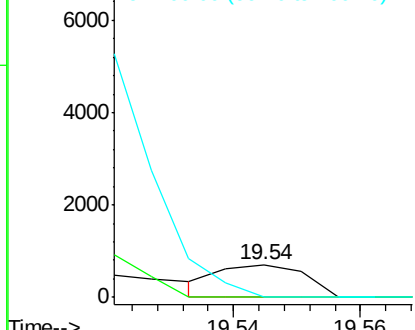
#80
Pvrene
Concen: 1.20 ng/ul
RT: 19.54 min Scan# 2798
Delta R.T. -0.01 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

Instrument :
BNA_M
ClientSampleId :
A4KX7

Tot Ion:202 Resp: 671
Ion Ratio Lower Upper
202 100
101 0.0 10.6 16.0#
100 0.0 8.5 12.7#

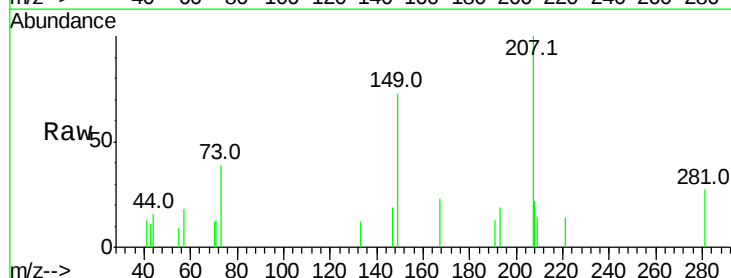


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

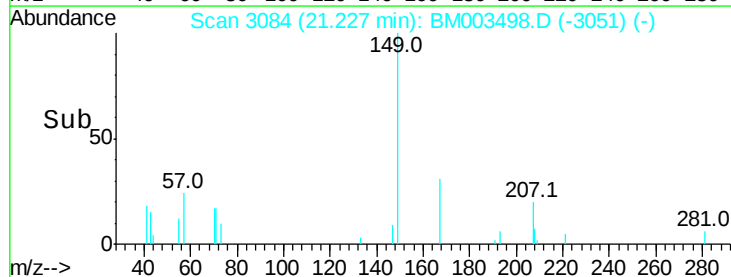
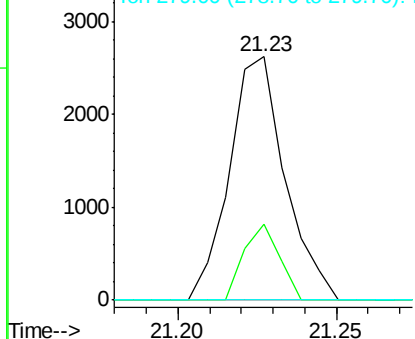


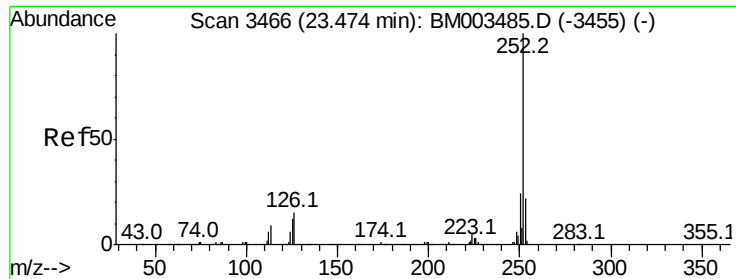
#84
Bis(2-ethylhexyl)phthalate
Concen: 12.56 ng/ul
RT: 21.23 min Scan# 3084
Delta R.T. -0.01 min
Lab File: BM003498.D
Acq: 12 Dec 2015 00:54

Tgt Ion:149 Resp: 3184
Ion Ratio Lower Upper
149 100
167 31.2 21.6 32.4
279 0.0 2.9 4.3#



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





#91

Benzo(a)pyrene

Concen: 2.82 ng/ul

RT: 23.42 min Scan# 3457

Delta R.T. -0.05 min

Lab File: BM003498.D

Acq: 12 Dec 2015 00:54

Instrument :

BNA_M

ClientSampleId :

A4KX7

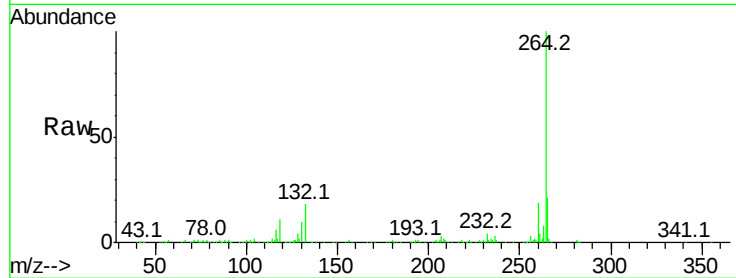
Tot Ion: 252 Resp: 1576

Ion Ratio Lower Upper

252 100

253 49.4 17.4 26.2#

125 39.8 9.8 14.8#



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

