

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012821.D
 Acq On : 08 Nov 2017 15:10
 Operator : SJ/JU
 Sample : I6175-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-79(5-6)-102617

Quant Time: Nov 09 01:33:31 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 01:31:40 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	127777	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	517782	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	311334	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	641425	20.00	ng/ul	0.00
77) Chrysene-d12	21.36	240	553110	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	600111	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	11332	4.79	ng/uL	0.00
5) Phenol-d5	6.97	99	255889	26.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	236839	45.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	211229	26.67	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	66043	8.05	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	131659	34.42	ng/ul	0.00
22) 2-Nitrophenol-d4	9.68	143	132271	30.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	209891	23.39	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	359756	41.54	ng/ul	-0.02
43) Dimethylphthalate-d6	13.85	166	760728	29.53	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	946688	29.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.66	143	91076	22.06	ng/ul	0.00
57) Fluorene-d10	15.43	176	652847	29.59	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	53427	12.62	ng/ul	0.00
70) Anthracene-d10	17.29	188	898183	28.98	ng/ul	0.00
78) Pyrene-d10	19.57	212	888771	34.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.50	264	842445	29.69	ng/ul	0.00

Target Compounds

						Ovalue
4) Benzaldehyde	6.95	77	43254	8.55	ng/ul#	17
6) Phenol	7.00	94	22513	2.31	ng/ul#	67
15) N-Nitroso-di-n-propylamine	8.63	70	17378	2.93	ng/ul#	36
17) Hexachloroethane	8.91	117	406053	123.64	ng/ul#	7
20) Nitrobenzene	8.99	77	64882	7.21	ng/ul#	46
21) Isophorone	9.52	82	225053	13.88	ng/ul#	1
23) 2-Nitrophenol	9.72	139	20068	4.26	ng/ul#	1
24) 2,4-Dimethylphenol	9.80	107	72497	7.56	ng/ul#	62
25) Bis(2-Chloroethoxy)methane	10.00	93	21492	2.13	ng/ul#	1
27) 2,4-Dichlorophenol	10.25	162	9960	1.14	ng/ul#	33
28) Naphthalene	10.65	128	68935	2.66	ng/ul#	48
32) Caprolactam	11.52	113	5477	2.23	ng/ul#	1
34) 2-Methylnaphthalene	12.26	142	40460	2.05	ng/ul	99
44) Dimethylphthalate	13.89	163	226624	8.86	ng/ul#	98
49) Acenaphthene	14.50	153	38387	1.82	ng/ul	98
53) Dibenzofuran	14.84	168	31752	1.03	ng/ul#	80
58) Fluorene	15.49	166	64328	2.52	ng/ul#	92
64) N-Nitrosodiphenylamine	15.70	169	51820	2.68	ng/ul#	51
69) Phenanthrene	17.23	178	282712	8.06	ng/ul	98
71) Anthracene	17.23	178	282712	7.78	ng/ul	97
76) Fluoranthene	19.24	202	118854	2.82	ng/ul	96
79) Pyrene	19.60	202	110928	3.36	ng/ul#	92
83) Bis(2-ethylhexyl)phthalate	21.27	149	54905	3.13	ng/ul#	88

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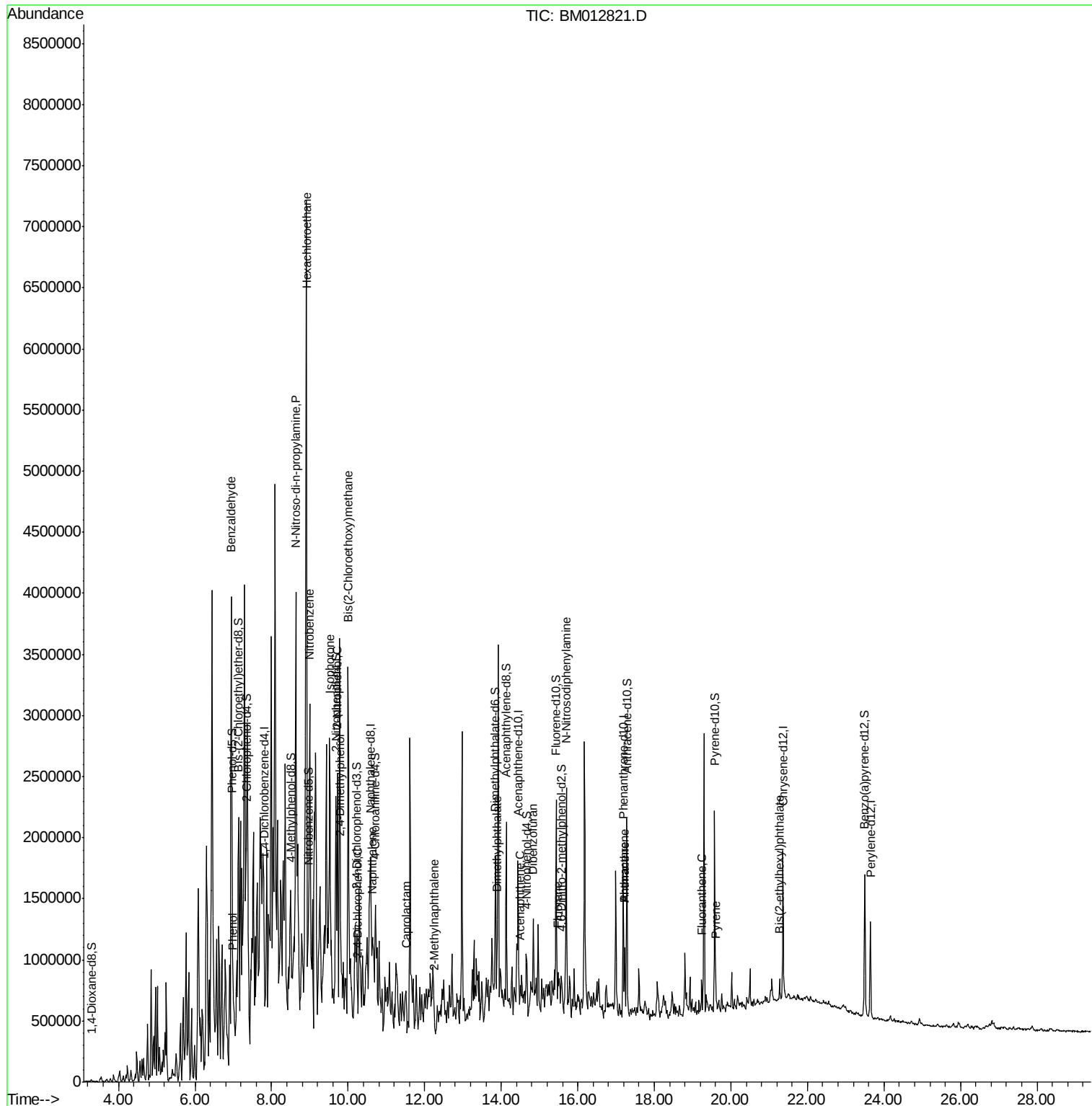
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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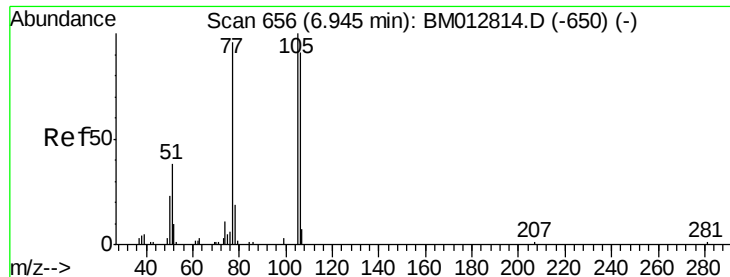
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 8.55 ng/ul

RT: 6.95 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

BNA_M

ClientSampleId :

B-79(5-6)-102617

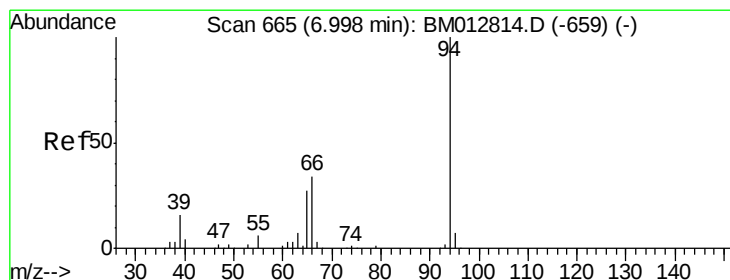
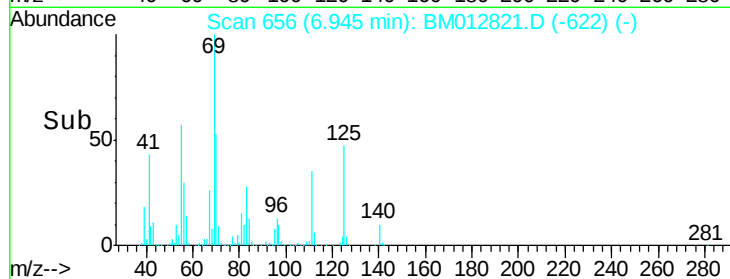
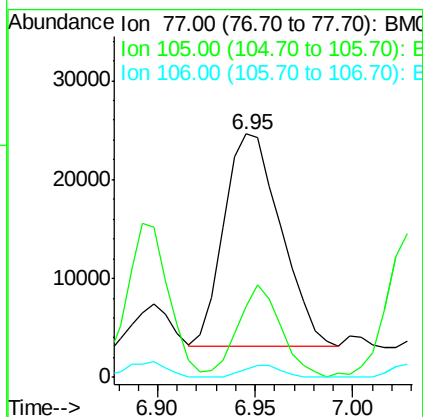
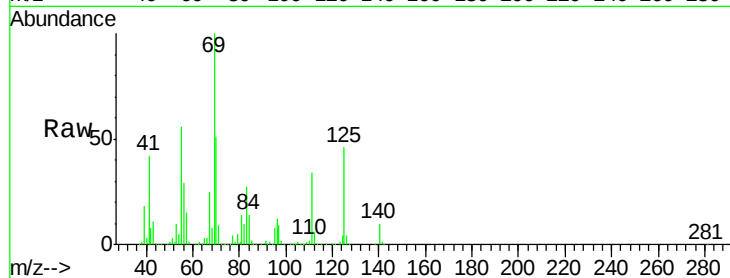
Tot Ion: 77 Resp: 43254

Ion Ratio Lower Upper

77 100

105 29.0 80.6 120.8#

106 3.1 77.7 116.5#



#6

Phenol

Concen: 2.31 ng/ul

RT: 7.00 min Scan# 666

Delta R.T. 0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

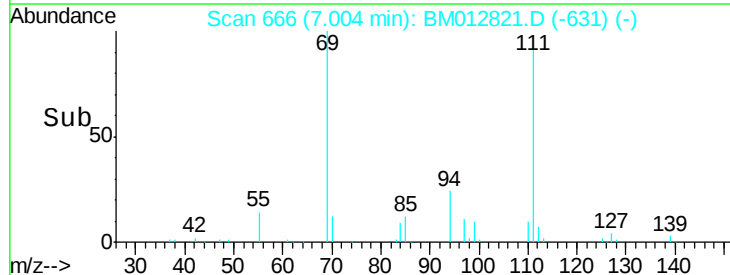
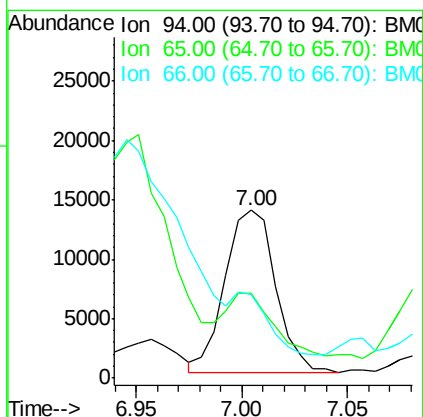
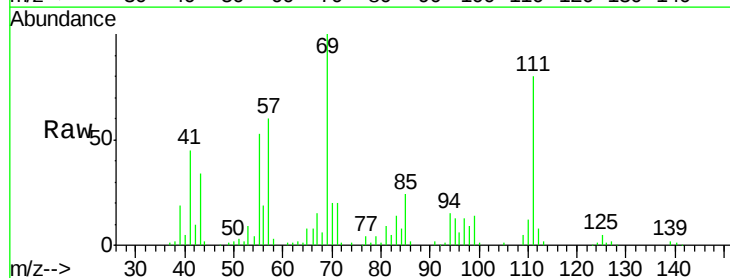
Tgt Ion: 94 Resp: 22513

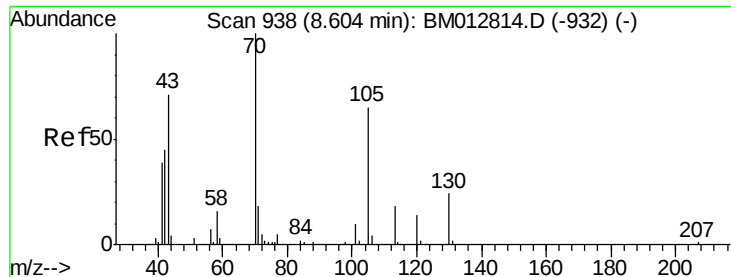
Ion Ratio Lower Upper

94 100

65 50.5 21.0 31.6#

66 49.9 29.3 43.9#





#15

N-Nitroso-di-n-propylamine

Concen: 2.93 ng/ul

RT: 8.63 min Scan# 943

Delta R.T. 0.03 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

BNA_M

ClientSampleId :

B-79(5-6)-102617

Tot Ion: 70 Resp: 17378

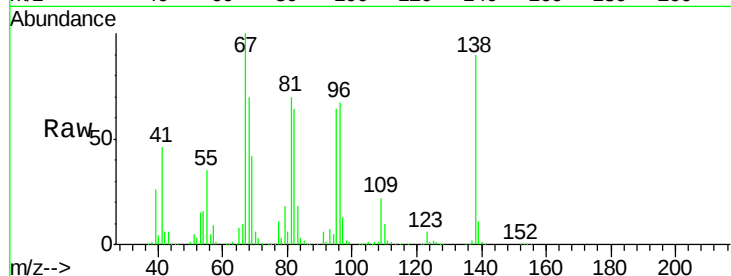
Ion Ratio Lower Upper

70 100

42 96.9 35.4 53.0#

101 0.0 8.4 12.6#

130 0.0 18.2 27.4#

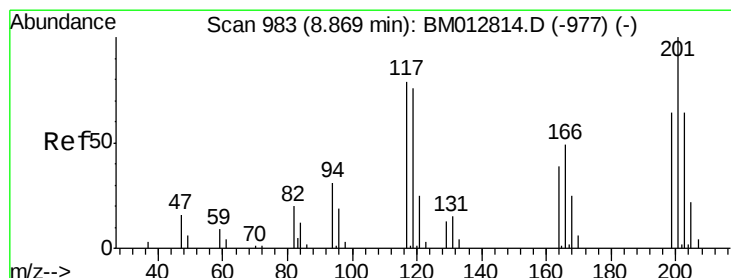
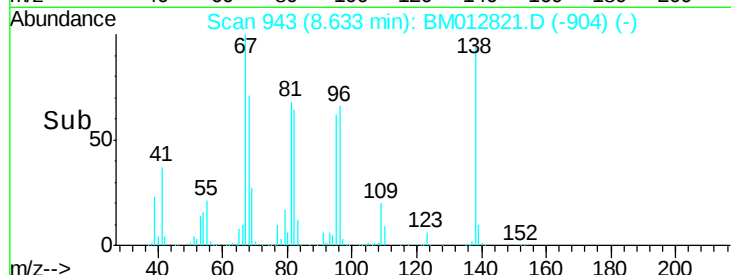
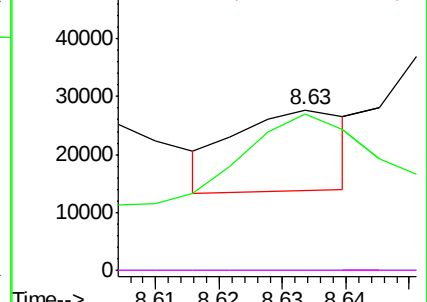


Abundance Ion 70.00 (69.70 to 70.70): BM012821.D (-932) (-)

Ion 42.00 (41.70 to 42.70): BM012821.D (-932) (-)

Ion 101.00 (100.70 to 101.70): BM012821.D (-932) (-)

Ion 130.00 (129.70 to 130.70): BM012821.D (-932) (-)



#17

Hexachloroethane

Concen: 123.64 ng/ul

RT: 8.91 min Scan# 990

Delta R.T. 0.04 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

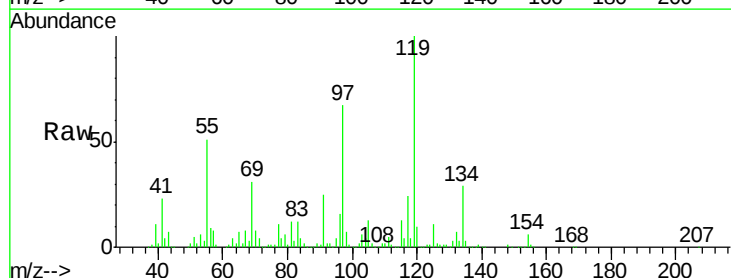
Tgt Ion: 117 Resp: 406053

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

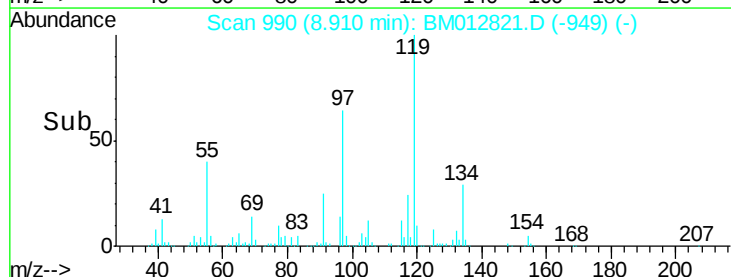
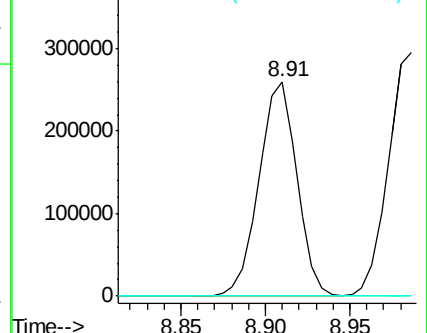
199 0.0 50.6 76.0#

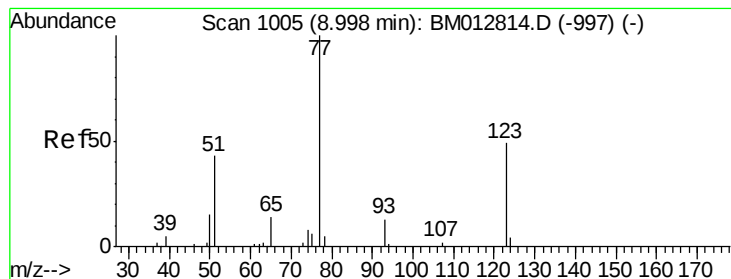


Abundance Ion 117.00 (116.70 to 117.70): BM012821.D (-977) (-)

Ion 201.00 (200.70 to 201.70): BM012821.D (-977) (-)

Ion 199.00 (198.70 to 199.70): BM012821.D (-977) (-)





#20

Nitrobenzene

Concen: 7.21 ng/ul

RT: 8.99 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

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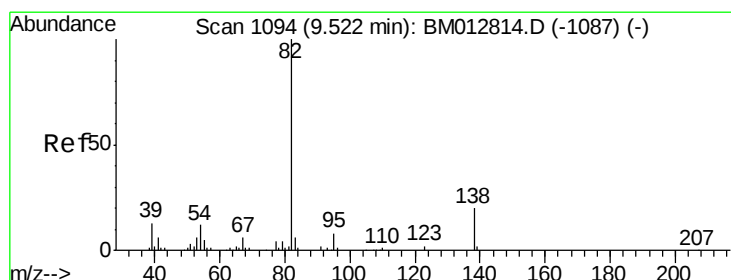
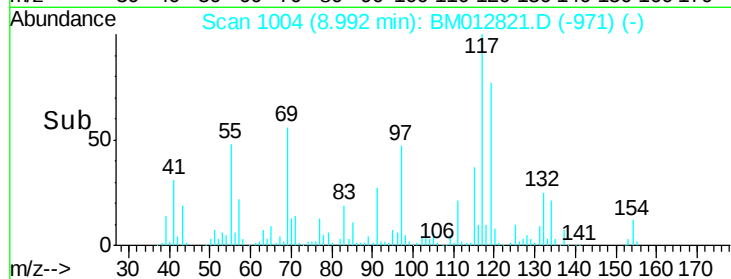
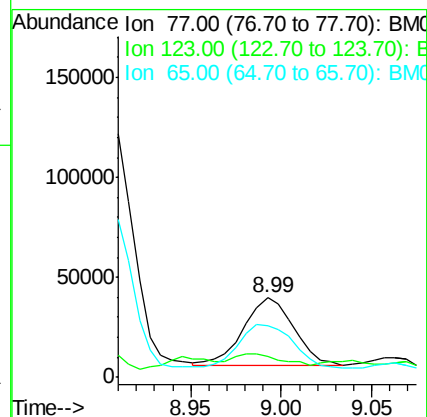
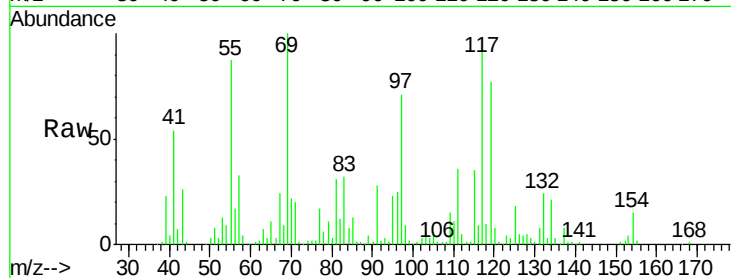
Tot Ion: 77 Resp: 64882

Ion Ratio Lower Upper

77 100

123 25.9 39.0 58.4#

65 65.6 10.4 15.6#



#21

Isophorone

Concen: 13.88 ng/ul

RT: 9.52 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

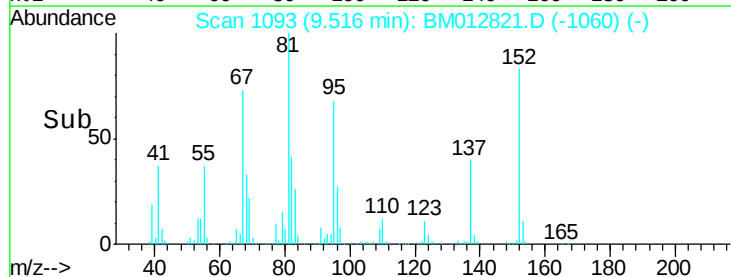
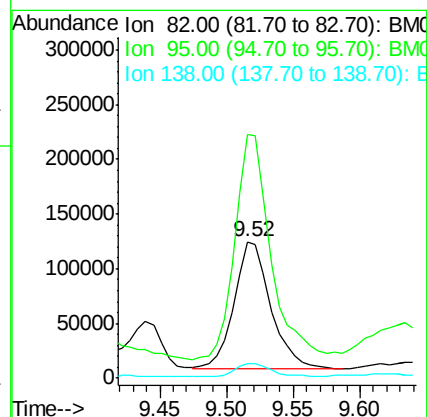
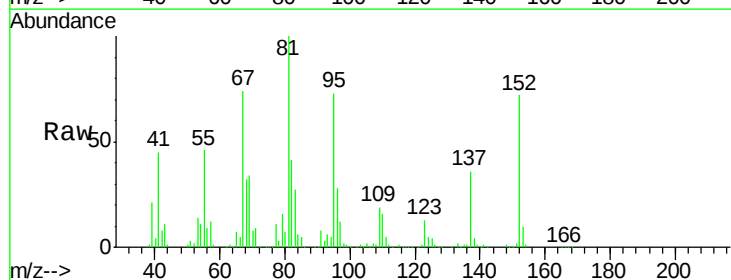
Tgt Ion: 82 Resp: 225053

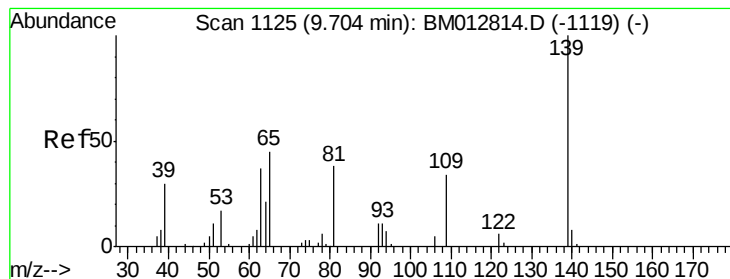
Ion Ratio Lower Upper

82 100

95 178.8 6.4 9.6#

138 10.3 14.9 22.3#





#23

2-Nitrophenol

Concen: 4.26 ng/ul

RT: 9.72 min Scan# 1128

Delta R.T. 0.02 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

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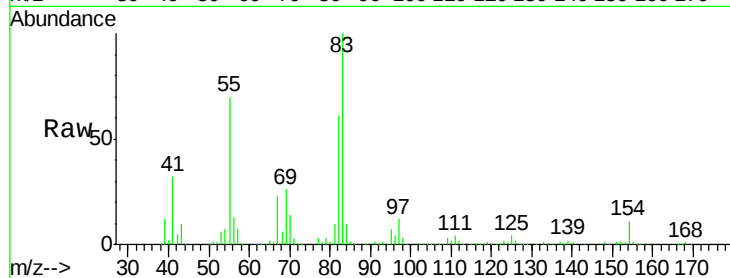
Tot Ion:139 Resp: 20068

Ion Ratio Lower Upper

139 100

65 96.4 36.3 54.5#

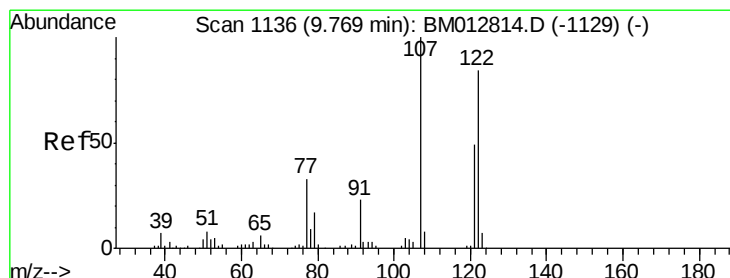
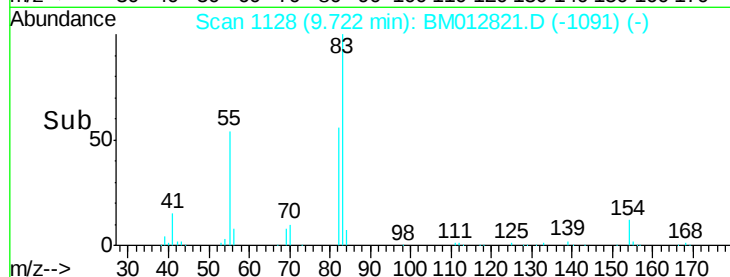
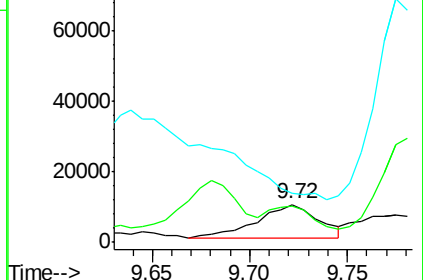
109 129.2 26.4 39.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BM0

Ion 109.00 (108.70 to 109.70): E



#24

2,4-Dimethylphenol

Concen: 7.56 ng/ul

RT: 9.80 min Scan# 1142

Delta R.T. 0.04 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

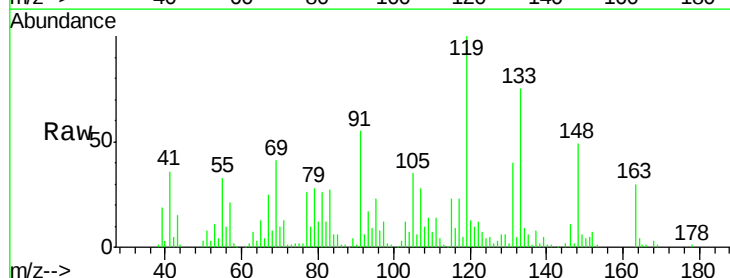
Tgt Ion:107 Resp: 72497

Ion Ratio Lower Upper

107 100

121 35.4 40.6 61.0#

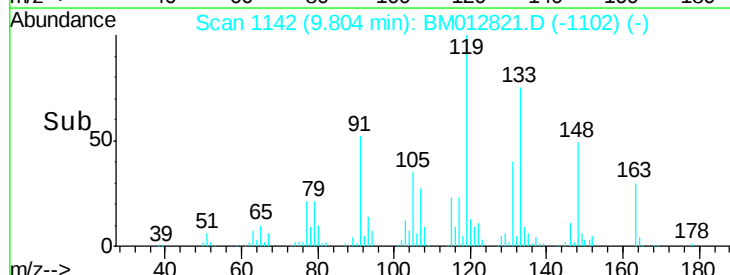
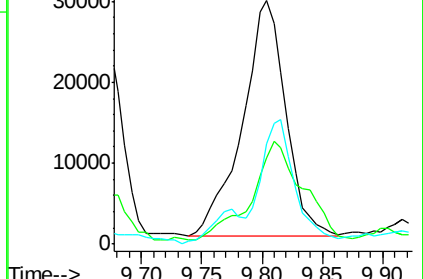
122 41.4 67.8 101.6#

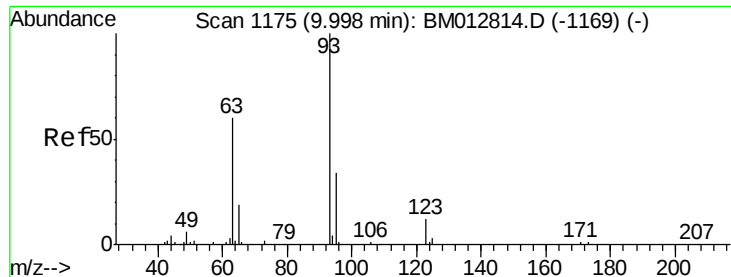


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

Ion 122.00 (121.70 to 122.70): E

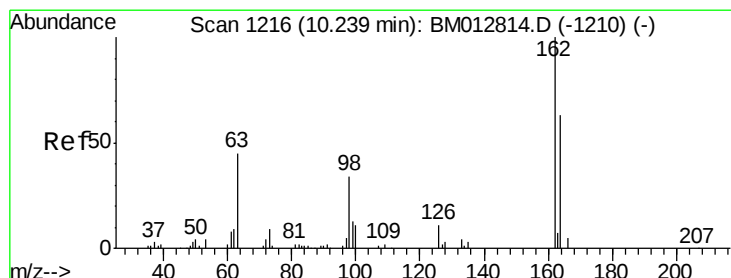
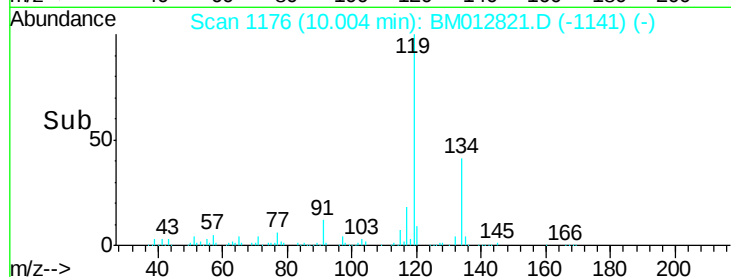
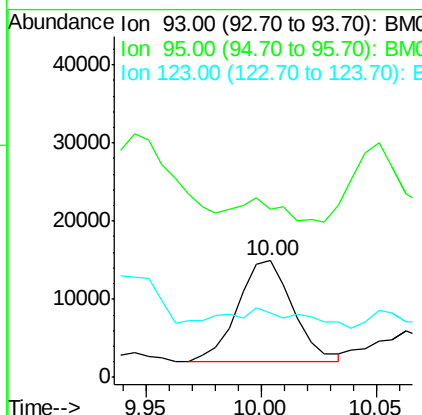
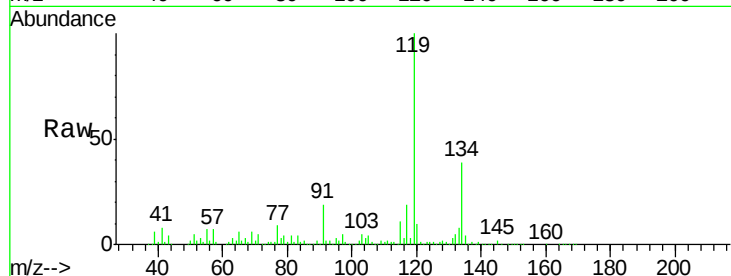




#25
Bis(2-Chloroethoxy)methane
Concen: 2.13 ng/ul
RT: 10.00 min Scan# 1176
Delta R.T. 0.01 min
Lab File: BM012821.D
Acq: 08 Nov 2017 15:10

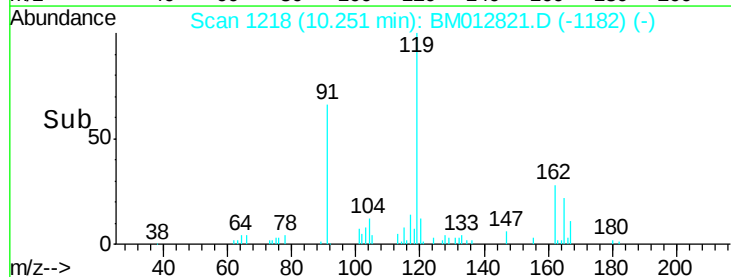
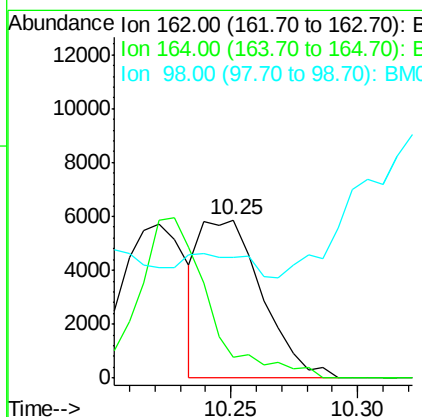
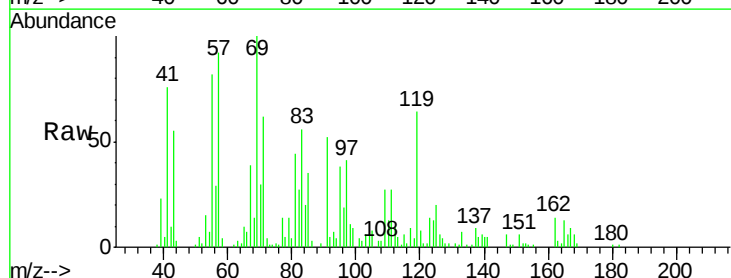
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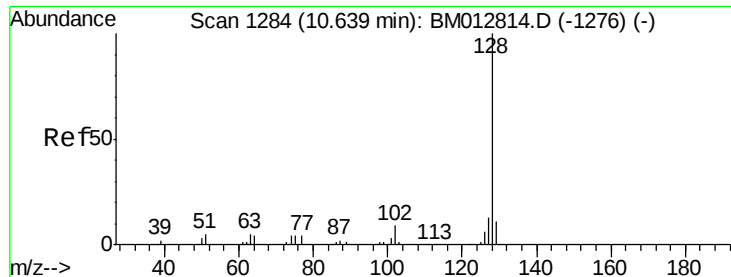
Tot Ion: 93 Resp: 21492
Ion Ratio Lower Upper
93 100
95 143.9 25.8 38.8#
123 55.3 9.8 14.8#



#27
2,4-Dichlorophenol
Concen: 1.14 ng/ul
RT: 10.25 min Scan# 1218
Delta R.T. 0.01 min
Lab File: BM012821.D
Acq: 08 Nov 2017 15:10

Tgt Ion: 162 Resp: 9960
Ion Ratio Lower Upper
162 100
164 13.4 52.1 78.1#
98 76.3 28.4 42.6#





#28

Naphthalene

Concen: 2.66 ng/ul

RT: 10.65 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

BNA_M

ClientSampleId :

B-79(5-6)-102617

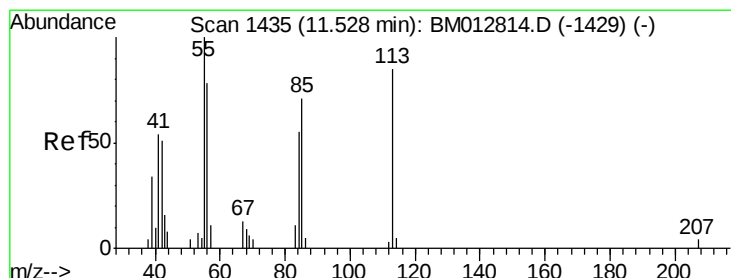
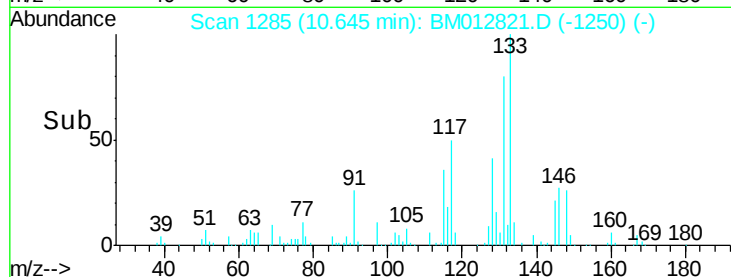
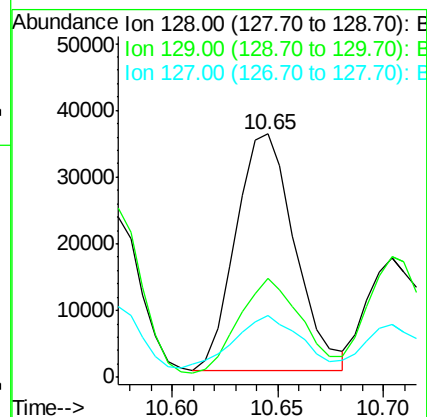
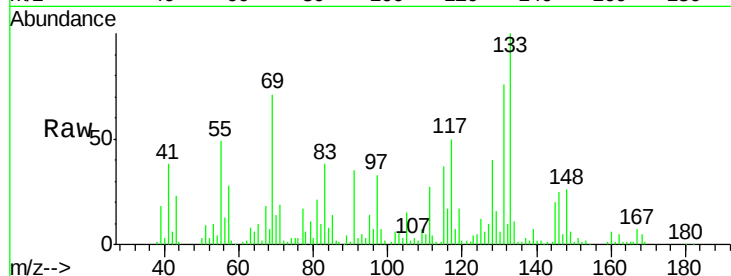
Tot Ion:128 Resp: 68935

Ion Ratio Lower Upper

128 100

129 40.5 8.8 13.2#

127 25.5 10.5 15.7#



#32

Caprolactam

Concen: 2.23 ng/ul

RT: 11.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

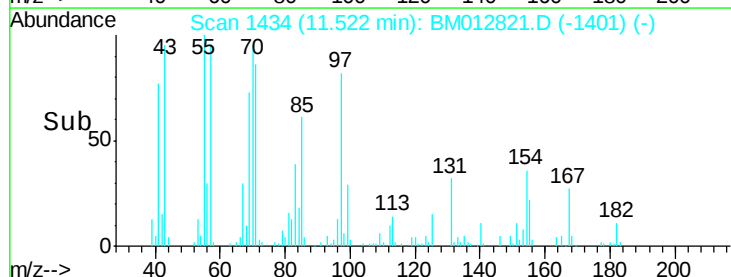
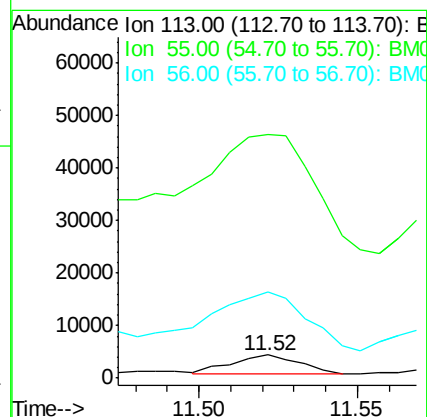
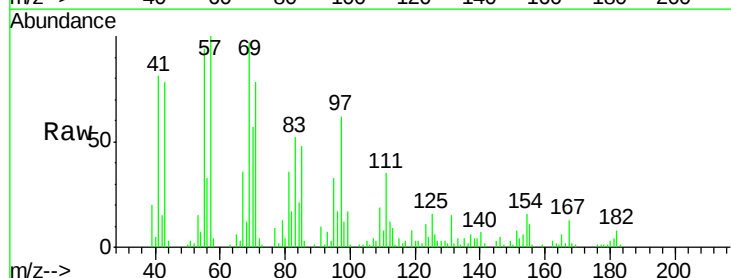
Tgt Ion:113 Resp: 5477

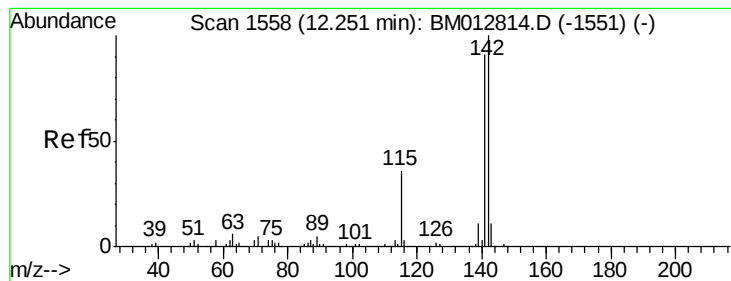
Ion Ratio Lower Upper

113 100

55 1044.4 101.9 152.9#

56 369.4 81.2 121.8#





#34

2-Methylnaphthalene

Concen: 2.05 ng/ul

RT: 12.26 min Scan# 1559

Delta R.T. 0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

BNA_M

ClientSampleId :

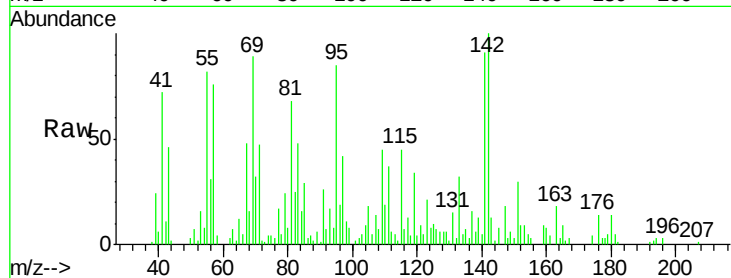
B-79(5-6)-102617

Tot Ion:142 Resp: 40460

Ion Ratio Lower Upper

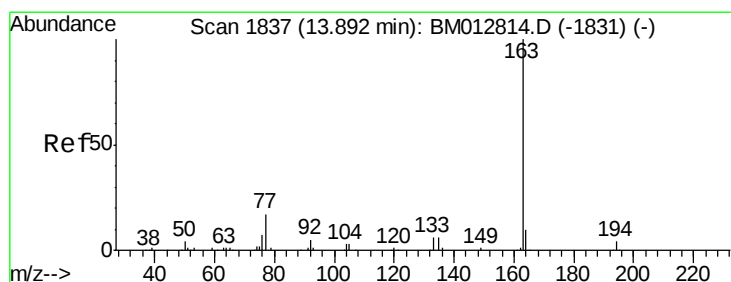
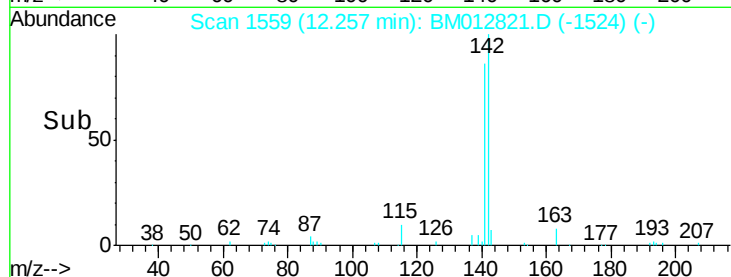
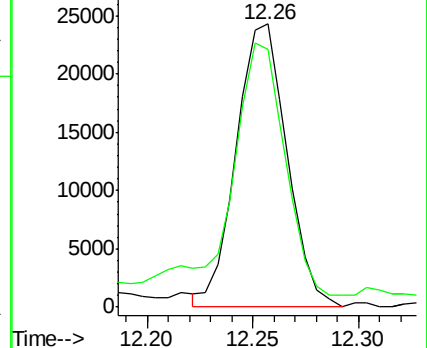
142 100

141 90.9 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#44

Dimethylphthalate

Concen: 8.86 ng/ul

RT: 13.89 min Scan# 1837

Delta R.T. -0.00 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

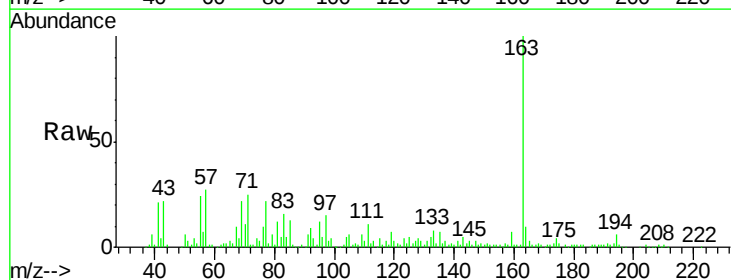
Tgt Ion:163 Resp: 226624

Ion Ratio Lower Upper

163 100

194 5.6 3.2 4.8#

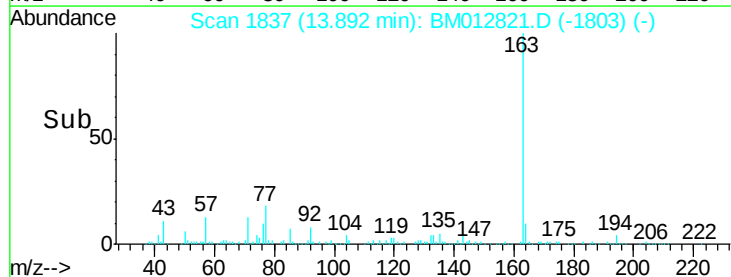
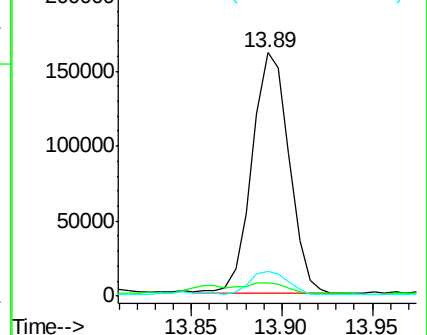
164 10.1 7.8 11.8

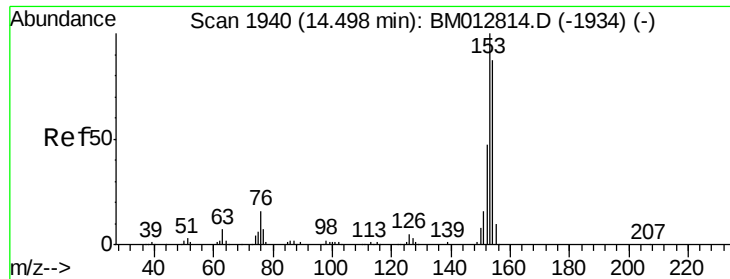


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 1.82 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

BNA_M

ClientSampleId :

B-79(5-6)-102617

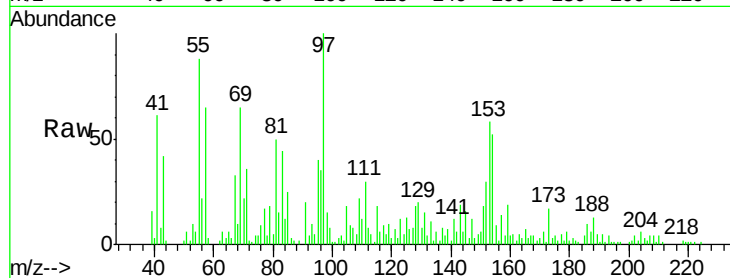
Tot Ion:153 Resp: 38387

Ion Ratio Lower Upper

153 100

152 52.7 38.3 57.5

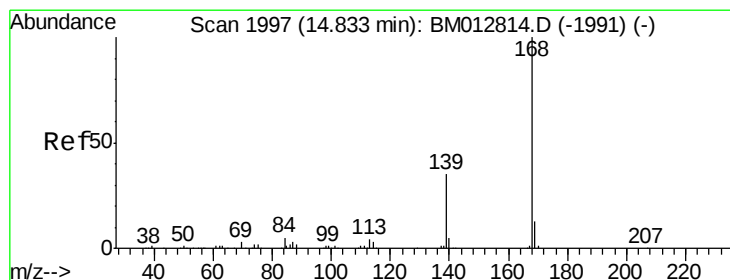
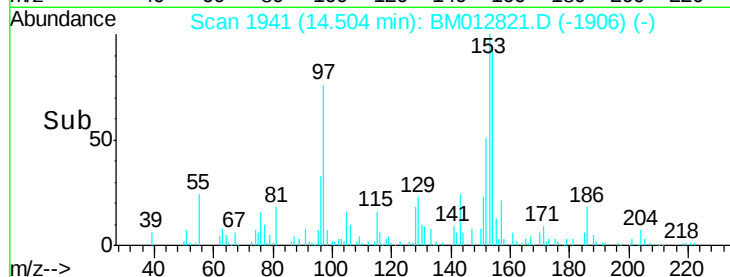
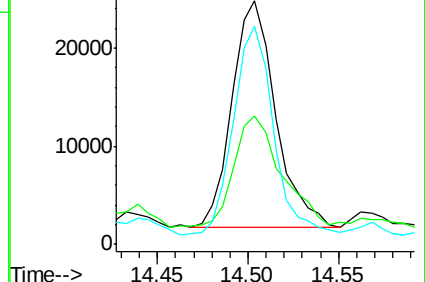
154 89.8 71.8 107.8



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



#53

Dibenzofuran

Concen: 1.03 ng/ul

RT: 14.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BM012821.D

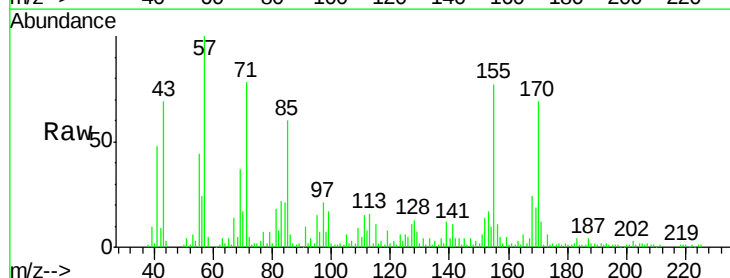
Acq: 08 Nov 2017 15:10

Tgt Ion:168 Resp: 31752

Ion Ratio Lower Upper

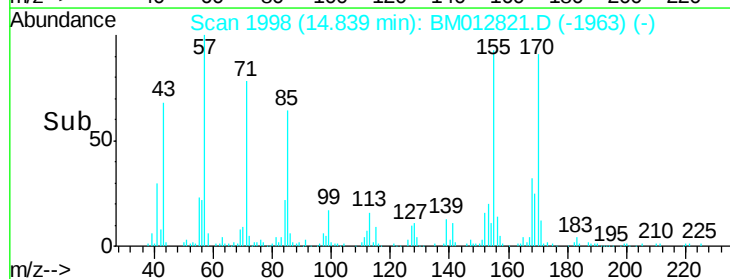
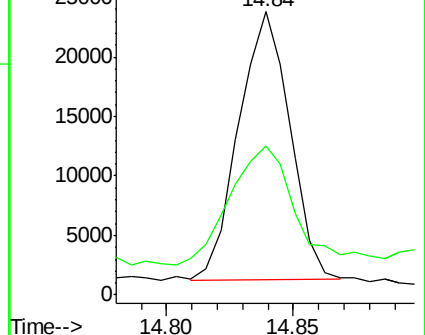
168 100

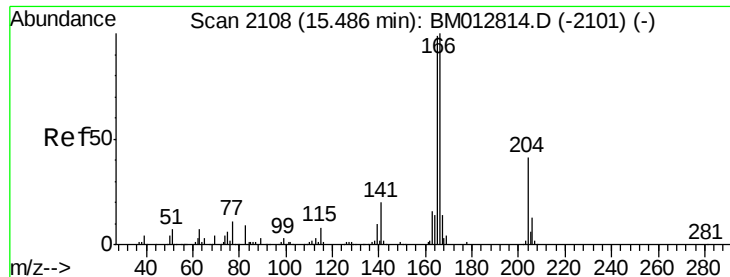
139 52.8 32.2 48.2#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 2.52 ng/ul

RT: 15.49 min Scan# 2108

Delta R.T. -0.00 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

BNA_M

ClientSampleId :

B-79(5-6)-102617

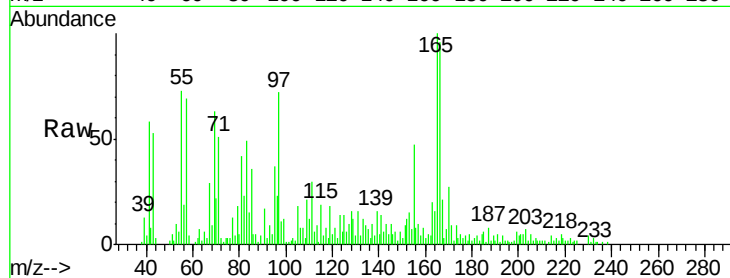
Tot Ion:166 Resp: 64328

Ion Ratio Lower Upper

166 100

165 104.0 78.5 117.7

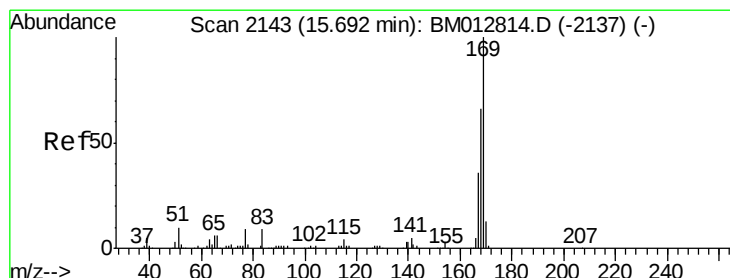
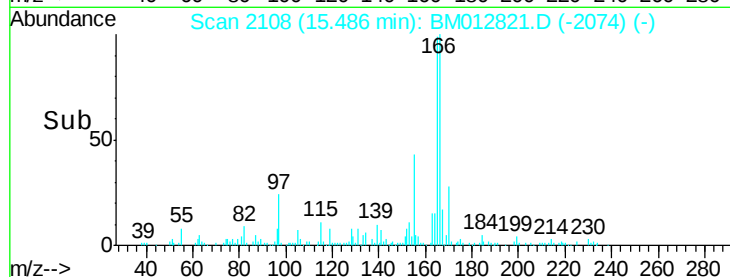
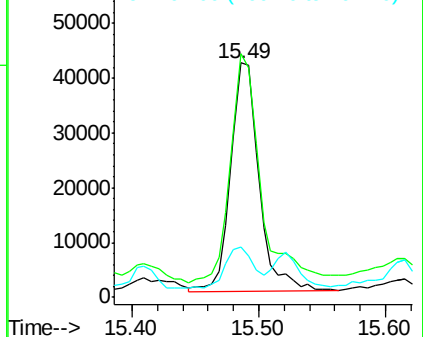
167 21.7 10.7 16.1#



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



#64

N-Nitrosodiphenylamine

Concen: 2.68 ng/ul

RT: 15.70 min Scan# 2144

Delta R.T. 0.01 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

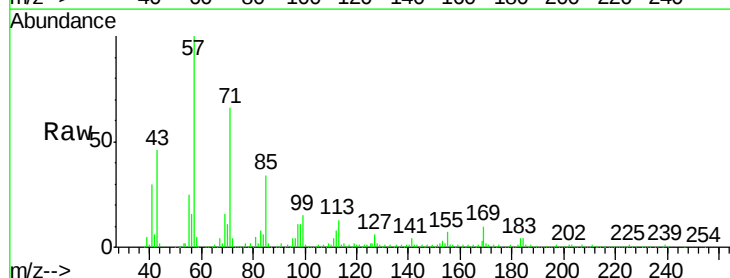
Tgt Ion:169 Resp: 51820

Ion Ratio Lower Upper

169 100

168 26.4 53.8 80.8#

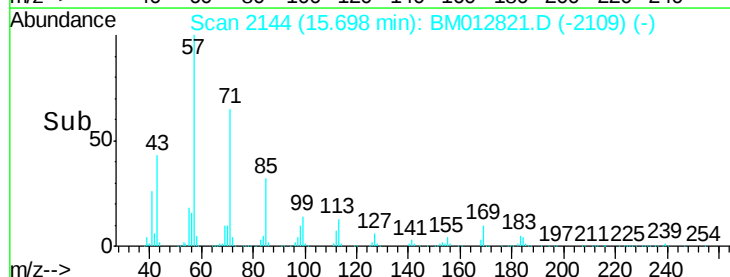
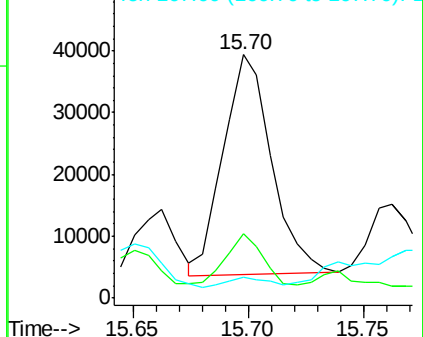
167 8.8 29.3 43.9#

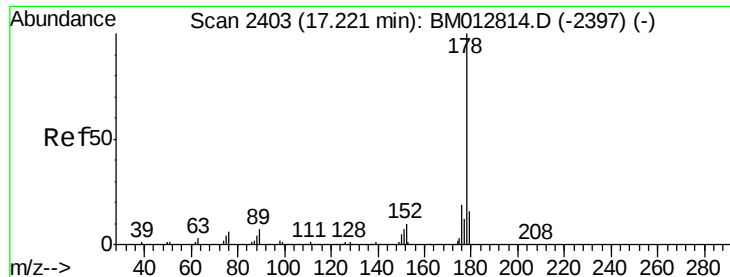


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

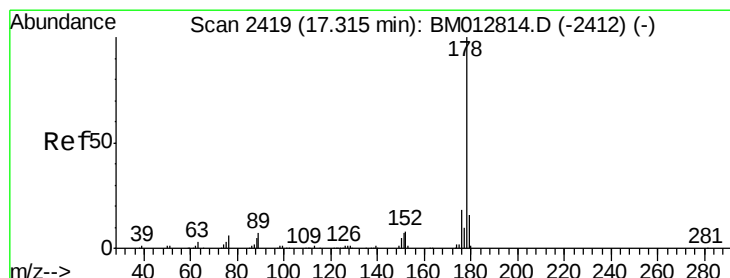
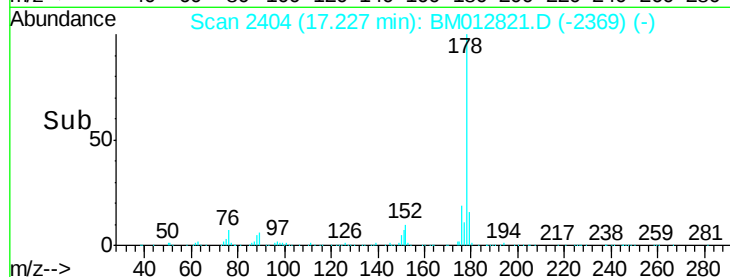
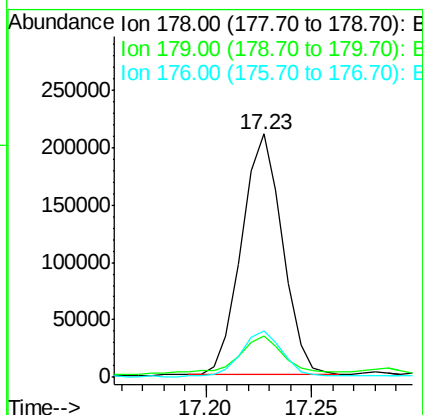
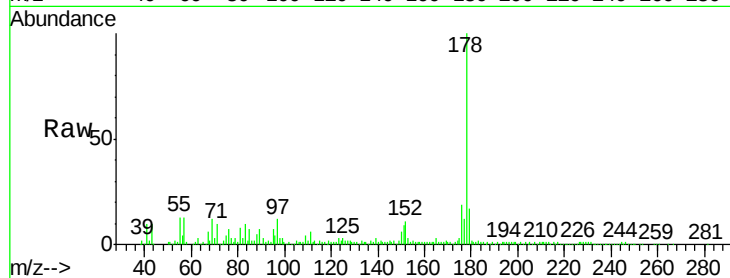




#69
Phenanthrene
Concen: 8.06 ng/ul
RT: 17.23 min Scan# 2404
Delta R.T. 0.01 min
Lab File: BM012821.D
Acq: 08 Nov 2017 15:10

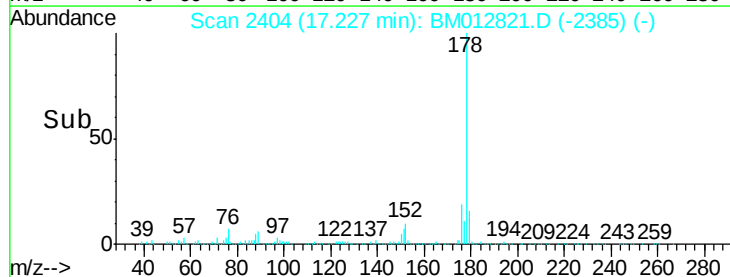
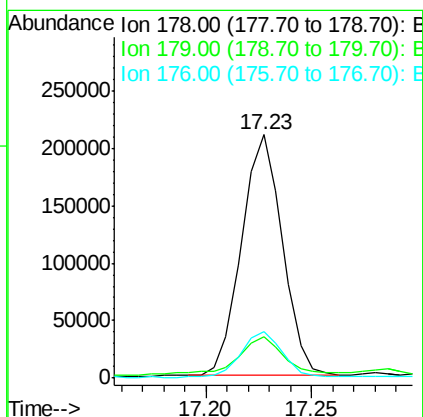
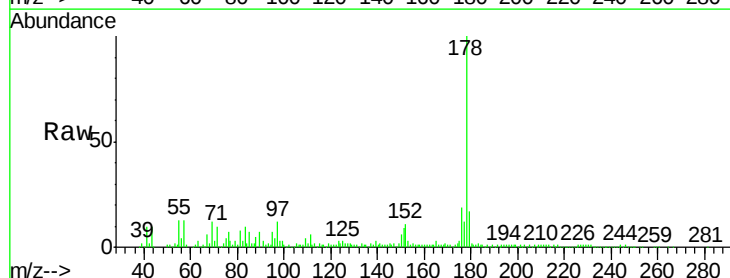
Instrument :
BNA_M
ClientSampleId :
B-79(5-6)-102617

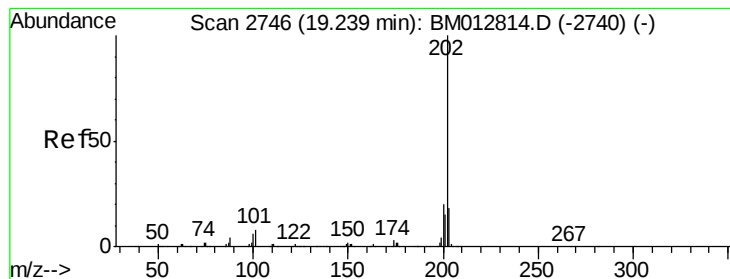
Tot Ion:178 Resp: 282712
Ion Ratio Lower Upper
178 100
179 17.0 12.2 18.4
176 19.1 15.6 23.4



#71
Anthracene
Concen: 7.78 ng/ul
RT: 17.23 min Scan# 2404
Delta R.T. -0.09 min
Lab File: BM012821.D
Acq: 08 Nov 2017 15:10

Tgt Ion:178 Resp: 282712
Ion Ratio Lower Upper
178 100
179 17.0 12.1 18.1
176 19.1 14.8 22.2





#76

Fluoranthene

Concen: 2.82 ng/ul

RT: 19.24 min Scan# 2746

Delta R.T. -0.00 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

Instrument :

BNA_M

ClientSampleId :

B-79(5-6)-102617

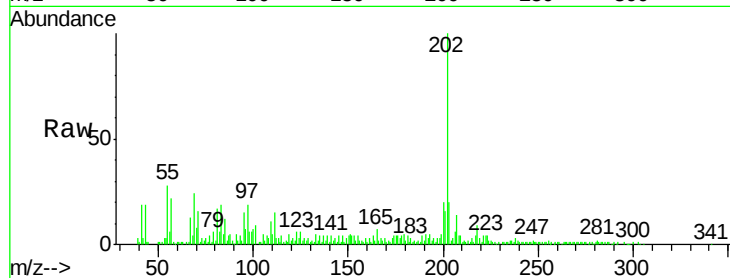
Tot Ion:202 Resp: 118854

Ion Ratio Lower Upper

202 100

101 9.4 8.8 13.2

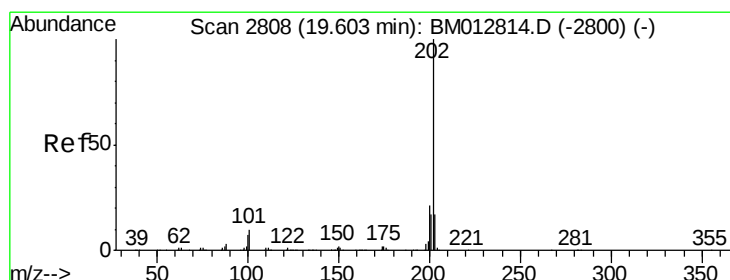
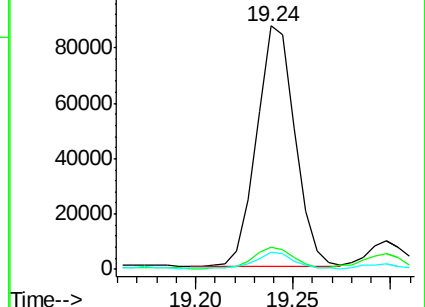
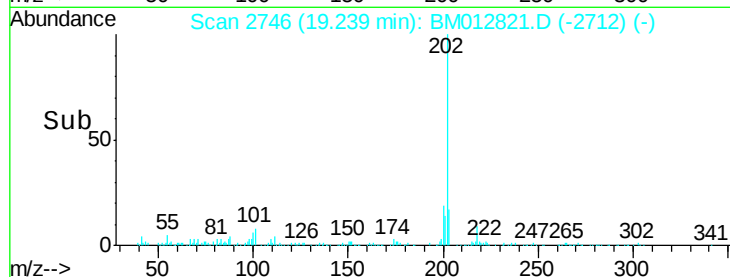
100 7.2 6.6 9.8



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



#79

Pyrene

Concen: 3.36 ng/ul

RT: 19.60 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BM012821.D

Acq: 08 Nov 2017 15:10

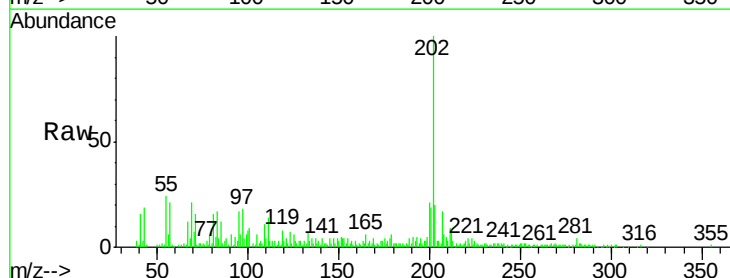
Tgt Ion:202 Resp: 110928

Ion Ratio Lower Upper

202 100

101 9.4 10.2 15.2#

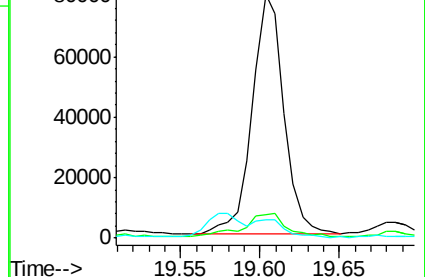
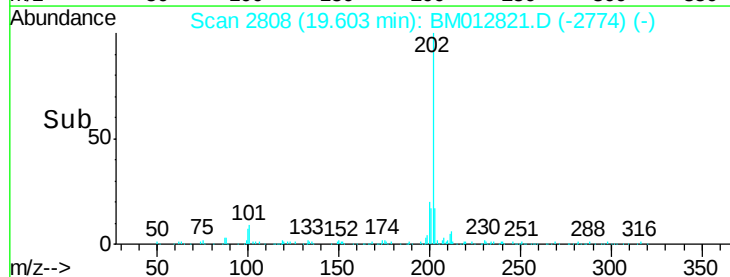
100 7.8 8.5 12.7#

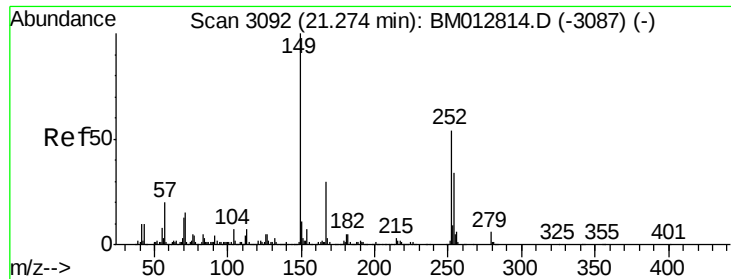


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

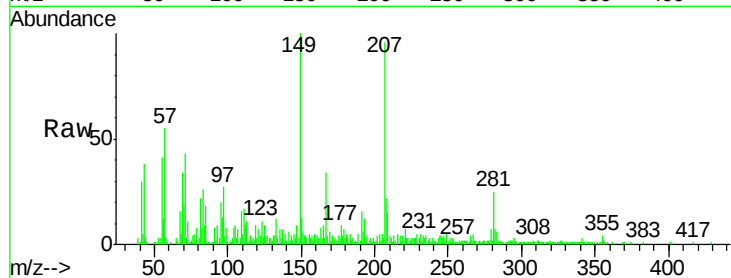




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.13 ng/ul
 RT: 21.27 min Scan# 3092
 Delta R.T. -0.00 min
 Lab File: BM012821.D
 Acq: 08 Nov 2017 15:10

Instrument :
 BNA_M
 ClientSampleId :
 B-79(5-6)-102617

Tot Ion	Ratio	Lower	Upper
149	100		
167	33.6	21.6	32.4#
279	6.9	3.0	4.4#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

