

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110817\
 Data File : BM012848.D
 Acq On : 09 Nov 2017 11:30
 Operator : SJ/JU
 Sample : I6096-05MSD 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-52(0-1)-102317MSD

Quant Time: Nov 09 13:55:31 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Nov 09 05:48:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	138781	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	554716	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.44	164	307938	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.29	188	110525	20.00	ng/ul	0.10
77) Chrysene-d12	21.37	240	539632	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	624897	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.29	96	1895	0.74	ng/uL	0.00
5) Phenol-d5	6.99	99	37110	3.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	20856	3.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	31921	3.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	30426	3.41	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	17027	4.15	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	14886	3.17	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	33497	3.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	9488	1.02	ng/ul	-0.02
43) Dimethylphthalate-d6	13.85	166	101599	3.99	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	111948	3.55	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	10262	2.51	ng/ul	0.01
57) Fluorene-d10	15.43	176	81187	3.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.29	188	110525	20.70	ng/ul	0.00
78) Pyrene-d10	19.58	212	99725	3.98	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	117860	3.99	ng/ul	0.01

Target Compounds

					Ovalue	
4) Benzaldehyde	6.95	77	10778	1.962	ng/ul#	1
6) Phenol	7.01	94	37185	3.508	ng/ul#	87
10) 2-Chlorophenol	7.37	128	27519	3.106	ng/ul	97
14) Acetophenone	8.60	105	35366	2.637	ng/ul#	38
15) N-Nitroso-di-n-propylamine	8.60	70	18603	2.885	ng/ul	93
17) Hexachloroethane	8.90	117	27696	7.765	ng/ul#	7
28) Naphthalene	10.64	128	82719	2.983	ng/ul	99
33) 4-Chloro-3-methylphenol	11.89	107	28721	3.152	ng/ul	99
44) Dimethylphthalate	13.90	163	34138	1.350	ng/ul	98
49) Acenaphthene	14.50	153	62369	2.997	ng/ul	95
52) 4-Nitrophenol	14.69	109	6492	1.802	ng/ul	97
54) 2,4-Dinitrotoluene	14.82	165	15146	2.035	ng/ul#	96
67) Atrazine	16.86	200	1715	1.287	ng/ul#	47
68) Pentachlorophenol	16.85	266	11480	12.393	ng/ul	88
69) Phenanthrene	17.23	178	103756	17.175	ng/ul	98
79) Pyrene	19.62	202	199656	6.201	ng/ul#	93
82) Benzo(a)anthracene	21.36	228	69685	2.134	ng/ul#	86
83) Bis(2-ethylhexyl)phthalate	21.28	149	56172	3.284	ng/ul#	88
84) Chrysene	21.41	228	84134	2.843	ng/ul#	88
87) Benzo(b)fluoranthene	22.97	252	112489	2.946	ng/ul#	78
90) Benzo(a)pyrene	23.56	252	73096	2.012	ng/ul#	75
91) Indeno(1,2,3-cd)pyrene	25.99	276	62848	1.435	ng/ul#	84
93) Benzo(g,h,i)perylene	26.70	276	62613	1.735	ng/ul#	88

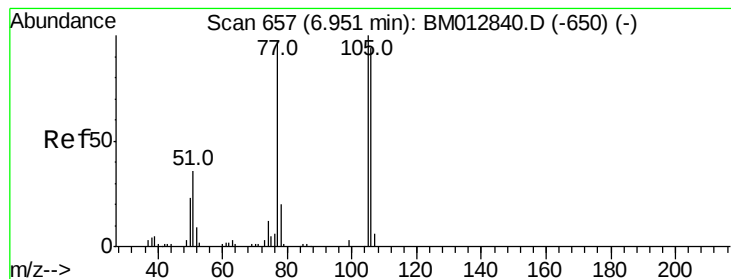
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM110817\
Data File : BM012848.D
Acq On : 09 Nov 2017 11:30
Operator : SJ/JU
Sample : I6096-05MSD 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-52(0-1)-102317MSD

Quant Time: Nov 09 13:55:31 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Nov 09 05:48:58 2017
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



#4

Benzaldehyde

Concen: 1.962 ng/ul

RT: 6.95 min Scan# 657

Delta R.T. 0.00 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

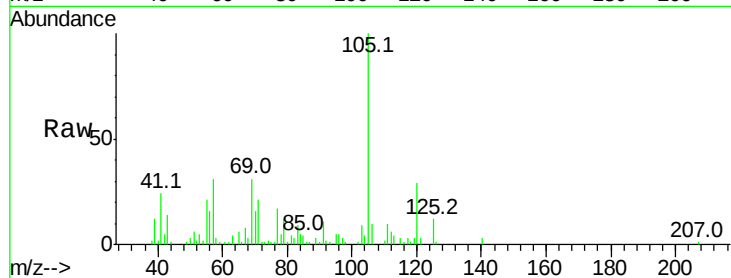
Tot Ion: 77 Resp: 10778

Ion Ratio Lower Upper

77 100

105 582.6 80.6 120.8#

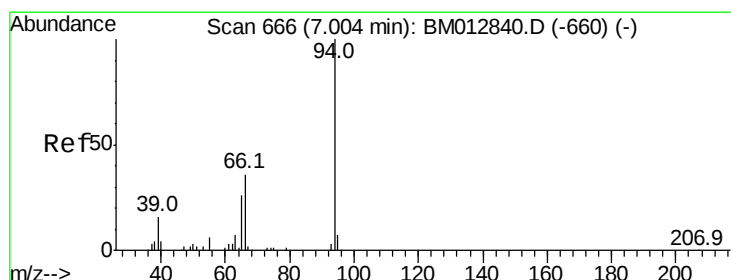
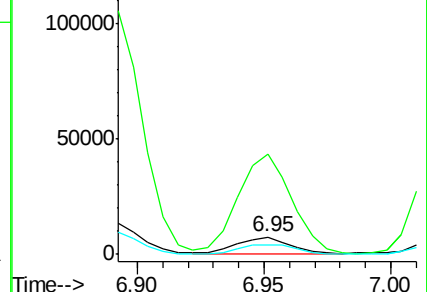
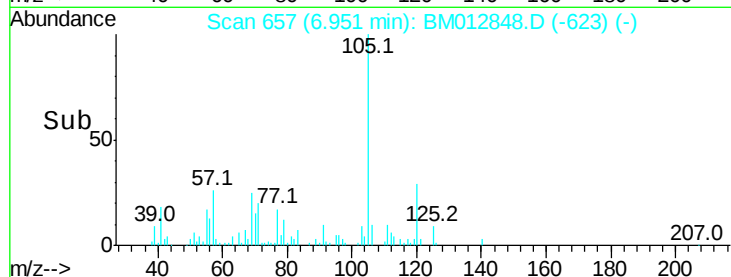
106 55.9 77.7 116.5#



Abundance Ion 77.00 (76.70 to 77.70): BM012848.D (-623) (-)

Ion 105.00 (104.70 to 105.70): BM012848.D (-623) (-)

Ion 106.00 (105.70 to 106.70): BM012848.D (-623) (-)



#6

Phenol

Concen: 3.508 ng/ul

RT: 7.01 min Scan# 667

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

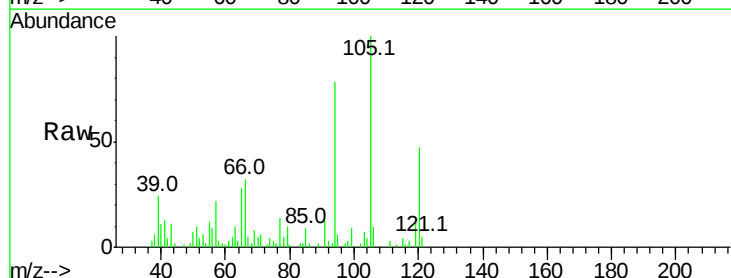
Tgt Ion: 94 Resp: 37185

Ion Ratio Lower Upper

94 100

65 36.6 21.0 31.6#

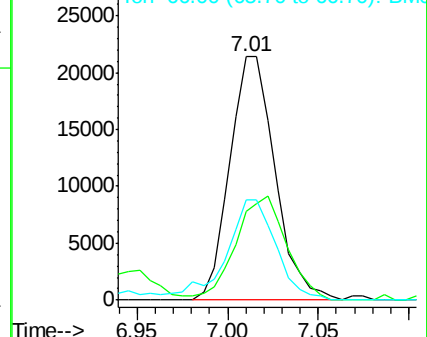
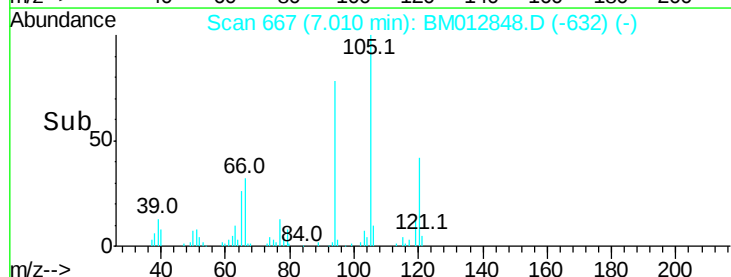
66 41.1 29.3 43.9

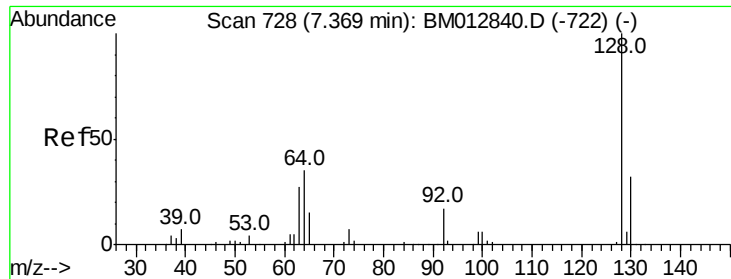


Abundance Ion 94.00 (93.70 to 94.70): BM012848.D (-632) (-)

Ion 65.00 (64.70 to 65.70): BM012848.D (-632) (-)

Ion 66.00 (65.70 to 66.70): BM012848.D (-632) (-)

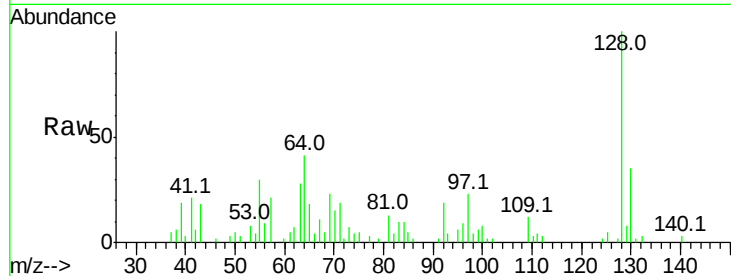




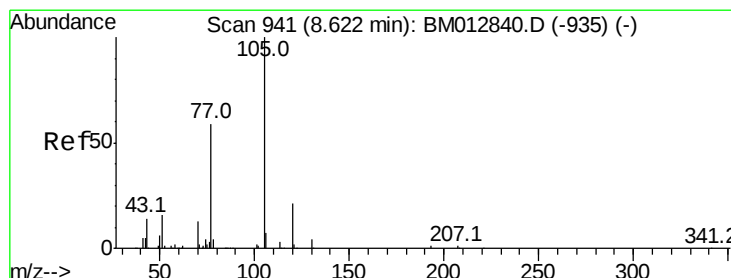
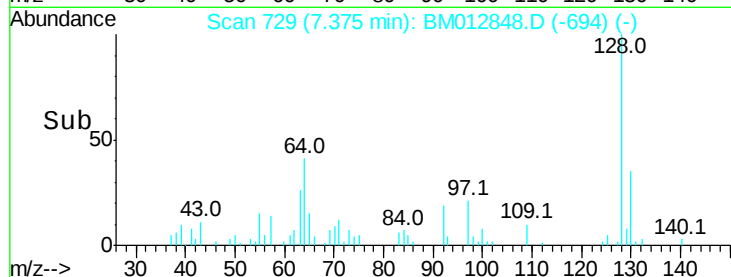
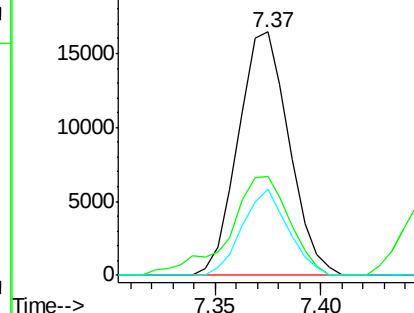
#10
2-Chlorophenol
Concen: 3.106 ng/ul
RT: 7.37 min Scan# 729
Delta R.T. 0.01 min
Lab File: BM012848.D
Acq: 09 Nov 2017 11:30

Instrument :
BNA_M
ClientSampleId :
B-52(0-1)-102317MSD

Tot Ion:128 Resp: 27519
Ion Ratio Lower Upper
128 100
64 40.7 31.9 47.9
130 35.3 25.6 38.4

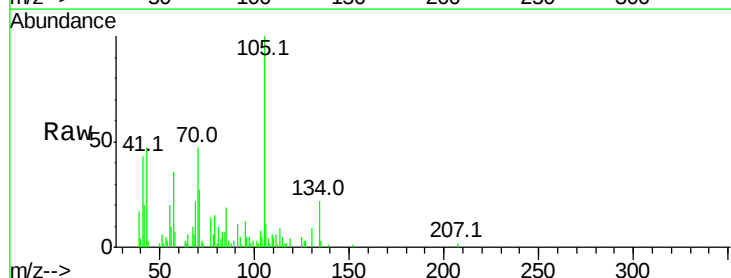


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 130.00 (129.70 to 130.70): E

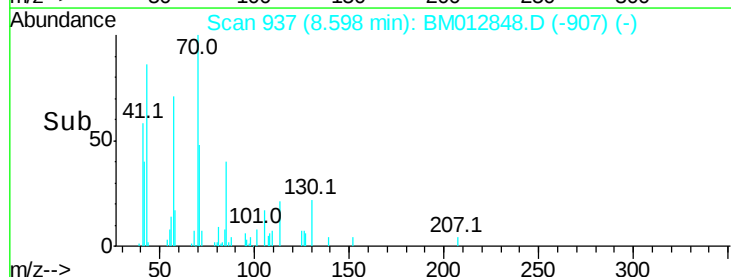
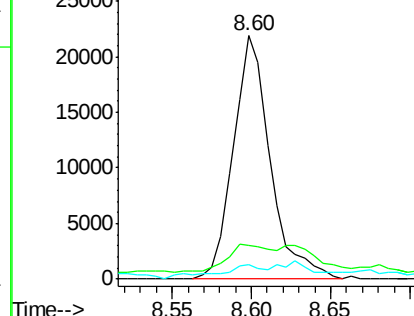


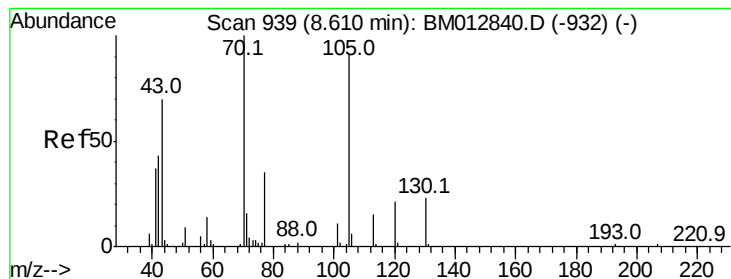
#14
Acetophenone
Concen: 2.637 ng/ul
RT: 8.60 min Scan# 937
Delta R.T. -0.02 min
Lab File: BM012848.D
Acq: 09 Nov 2017 11:30

Tgt Ion:105 Resp: 35366
Ion Ratio Lower Upper
105 100
77 13.9 59.0 88.4#
51 6.2 16.4 24.6#



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM0
Ion 51.00 (50.70 to 51.70): BM0





#15

N-Nitroso-di-n-propylamine

Concen: 2.885 ng/ul

RT: 8.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

Tot Ion: 70 Resp: 18603

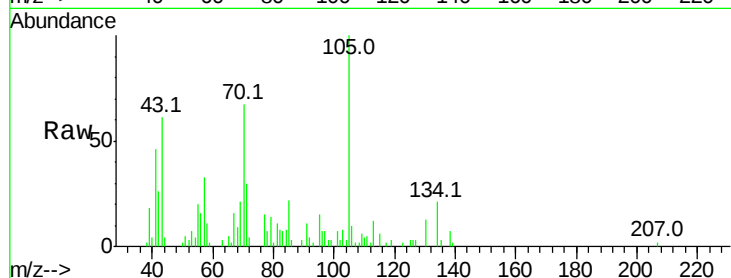
Ion Ratio Lower Upper

70 100

42 38.7 35.4 53.0

101 10.2 8.4 12.6

130 19.3 18.2 27.4

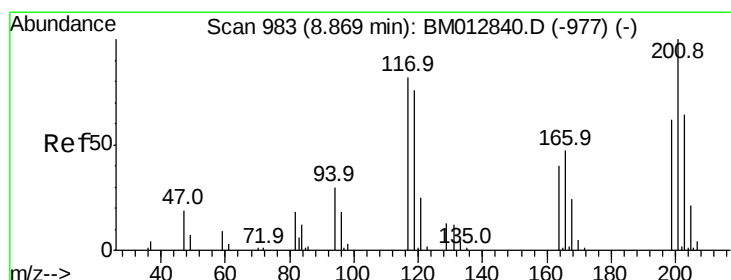
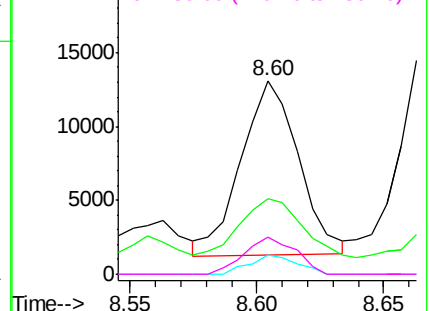
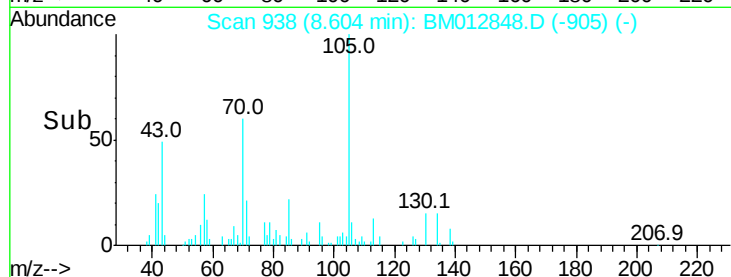


Abundance Ion 70.00 (69.70 to 70.70): BM012848.D (-905) (-)

Ion 42.00 (41.70 to 42.70): BM012848.D (-905) (-)

Ion 101.00 (100.70 to 101.70): BM012848.D (-905) (-)

Ion 130.00 (129.70 to 130.70): BM012848.D (-905) (-)



#17

Hexachloroethane

Concen: 7.765 ng/ul

RT: 8.90 min Scan# 988

Delta R.T. 0.03 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

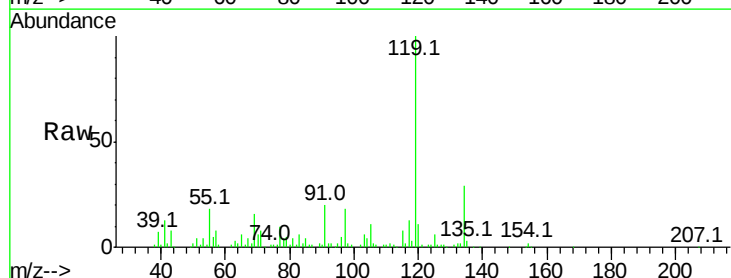
Tgt Ion: 117 Resp: 27696

Ion Ratio Lower Upper

117 100

201 0.0 81.5 122.3#

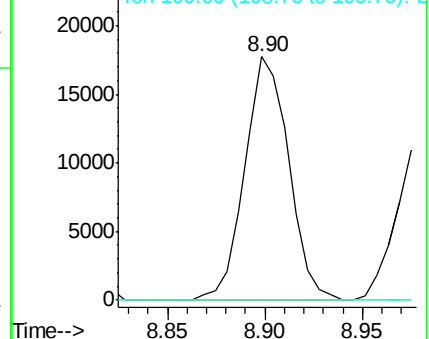
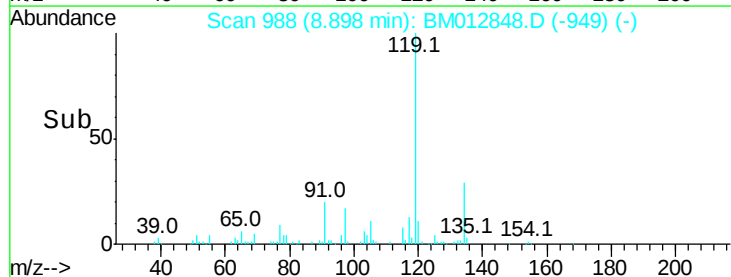
199 0.0 50.6 76.0#

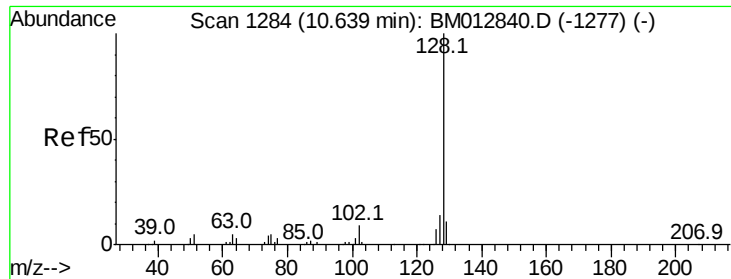


Abundance Ion 117.00 (116.70 to 117.70): BM012848.D (-949) (-)

Ion 201.00 (200.70 to 201.70): BM012848.D (-949) (-)

Ion 199.00 (198.70 to 199.70): BM012848.D (-949) (-)





#28

Naphthalene

Concen: 2.983 ng/ul

RT: 10.64 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

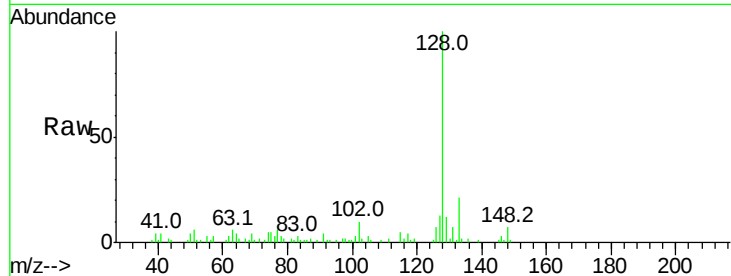
Tot Ion:128 Resp: 82719

Ion Ratio Lower Upper

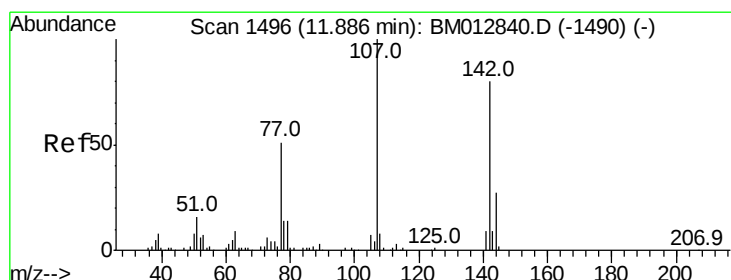
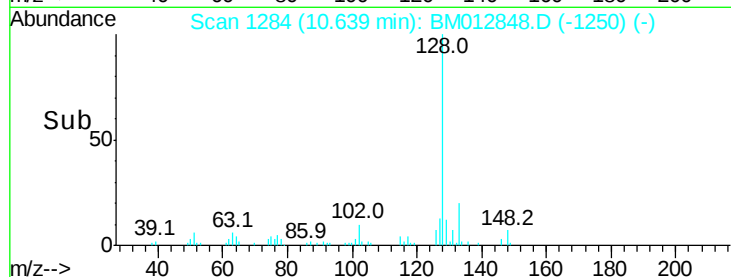
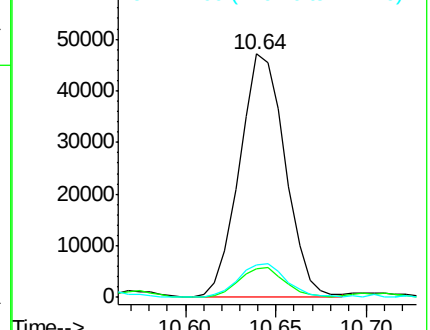
128 100

129 11.8 8.8 13.2

127 13.4 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#33

4-Chloro-3-methylphenol

Concen: 3.152 ng/ul

RT: 11.89 min Scan# 1497

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

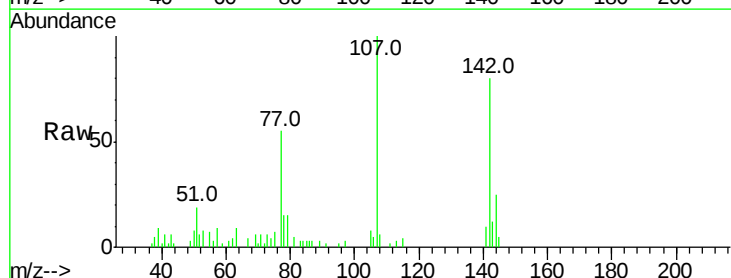
Tgt Ion:107 Resp: 28721

Ion Ratio Lower Upper

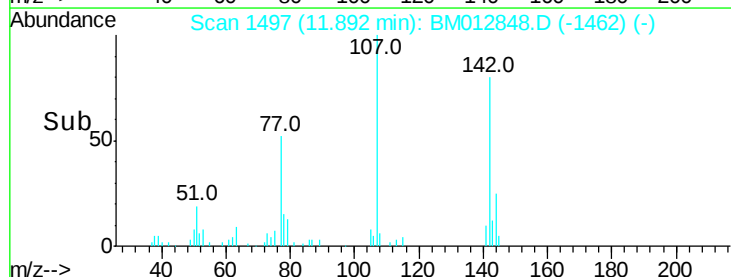
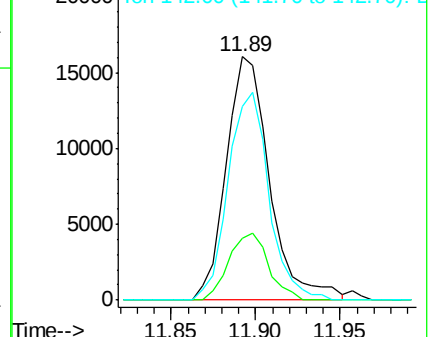
107 100

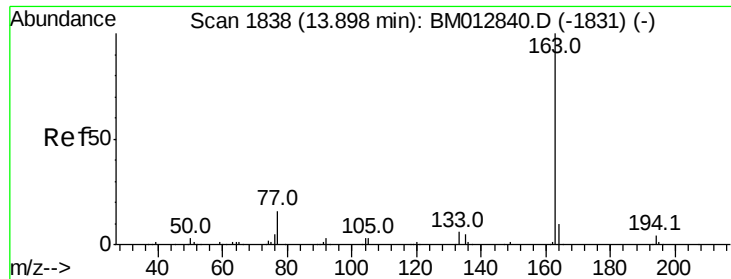
144 25.3 20.4 30.6

142 79.6 62.5 93.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





#44

Dimethylphthalate

Concen: 1.350 ng/ul

RT: 13.90 min Scan# 1838

Delta R.T. 0.00 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

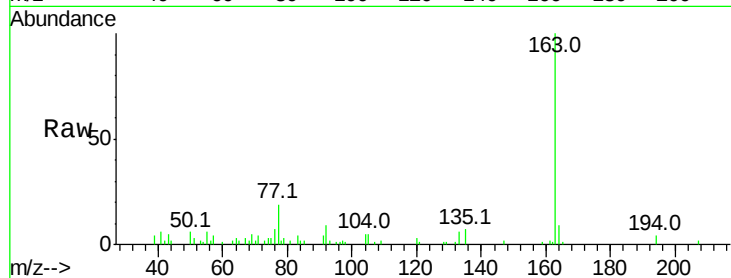
Tot Ion:163 Resp: 34138

Ion Ratio Lower Upper

163 100

194 4.3 3.2 4.8

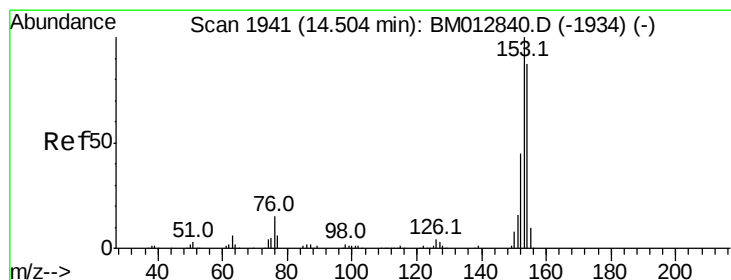
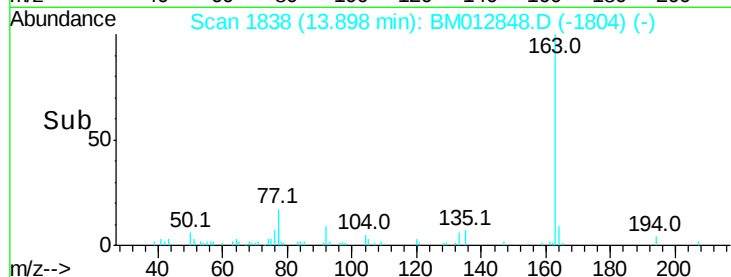
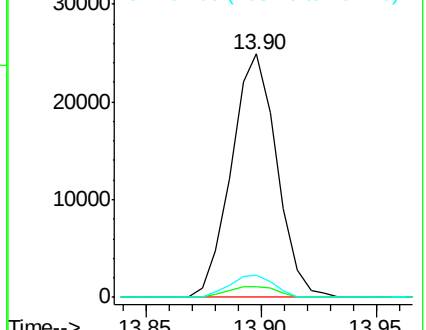
164 9.0 7.8 11.8



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: 2.997 ng/ul

RT: 14.50 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

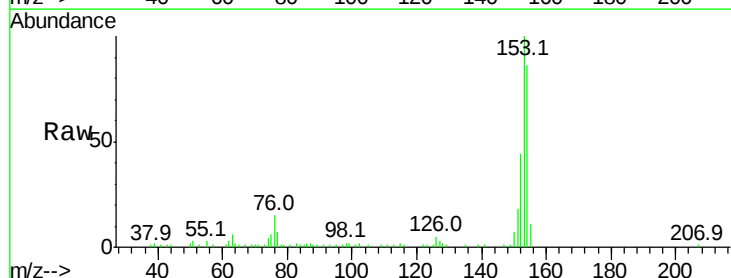
Tgt Ion:153 Resp: 62369

Ion Ratio Lower Upper

153 100

152 44.4 38.3 57.5

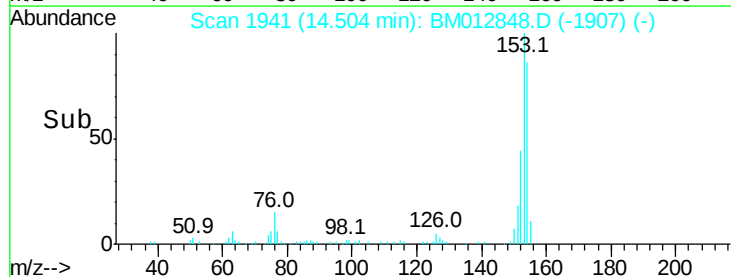
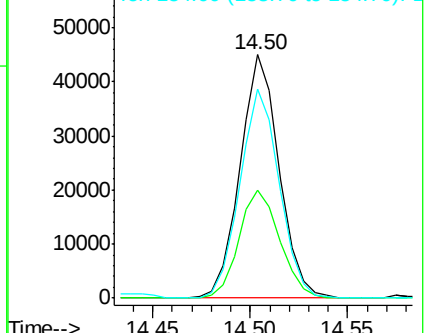
154 85.7 71.8 107.8

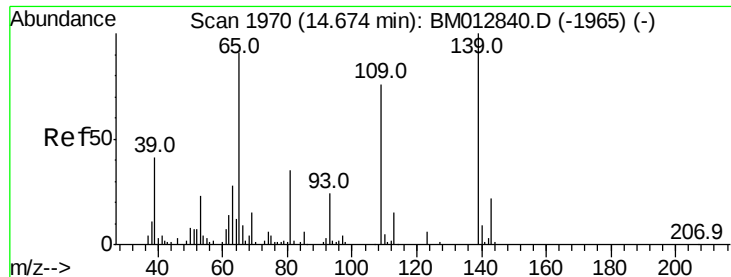


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

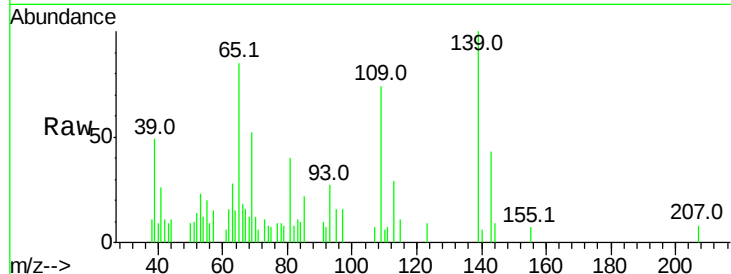




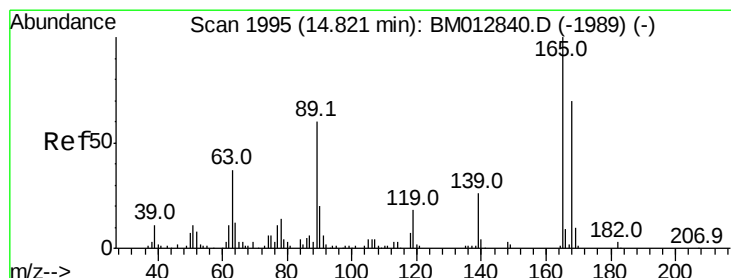
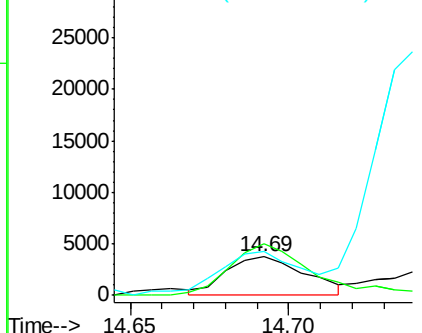
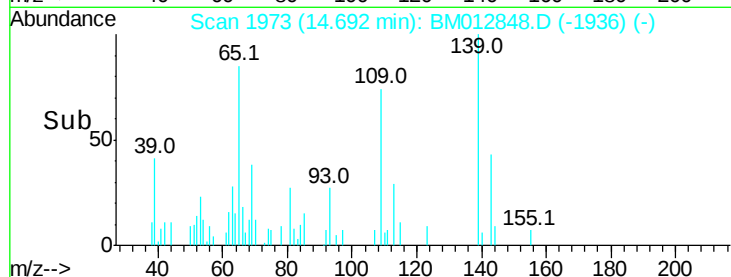
#52
4-Nitrophenol
Concen: 1.802 ng/ul
RT: 14.69 min Scan# 1973
Delta R.T. 0.02 min
Lab File: BM012848.D
Acq: 09 Nov 2017 11:30

Instrument :
BNA_M
ClientSampleId :
B-52(0-1)-102317MSD

Tot Ion:109 Resp: 6492
Ion Ratio Lower Upper
109 100
139 134.5 103.7 155.5
65 114.2 89.4 134.2

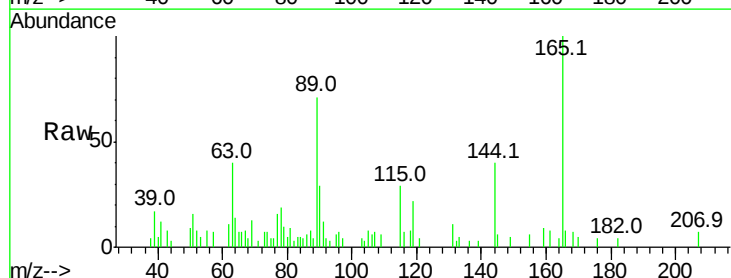


Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BM

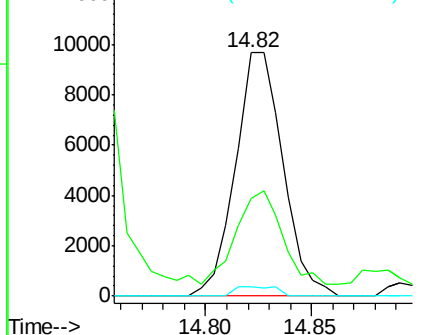
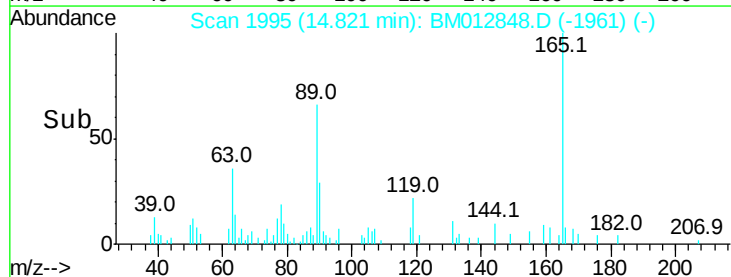


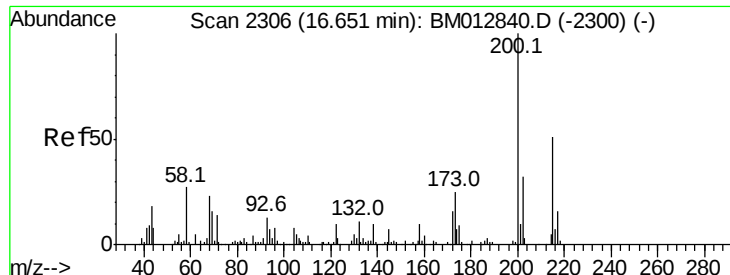
#54
2,4-Dinitrotoluene
Concen: 2.035 ng/ul
RT: 14.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BM012848.D
Acq: 09 Nov 2017 11:30

Tgt Ion:165 Resp: 15146
Ion Ratio Lower Upper
165 100
63 39.9 29.8 44.6
182 3.7 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 182.00 (181.70 to 182.70): E

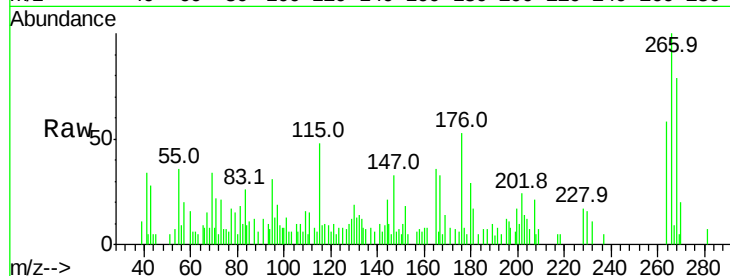




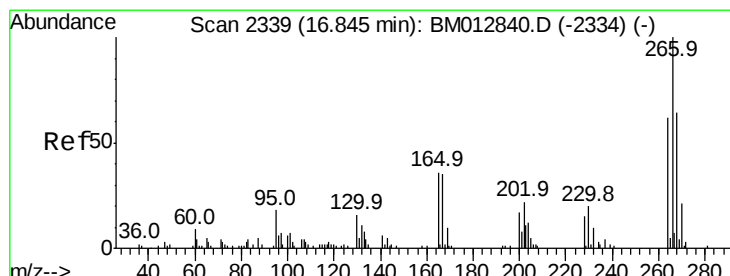
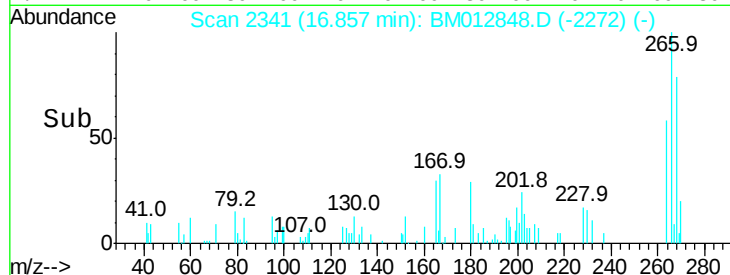
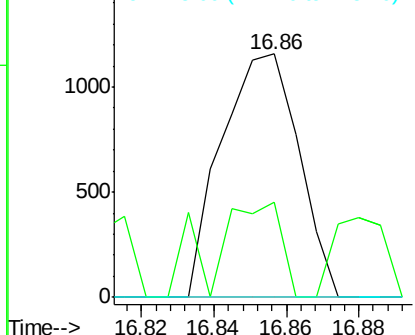
#67
Atrazine
Concen: 1.287 ng/ul
RT: 16.86 min Scan# 2341
Delta R.T. 0.21 min
Lab File: BM012848.D
Acq: 09 Nov 2017 11:30

Instrument :
BNA_M
ClientSampleId :
B-52(0-1)-102317MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	39.1	21.6	32.4#
215	0.0	37.0	55.4#

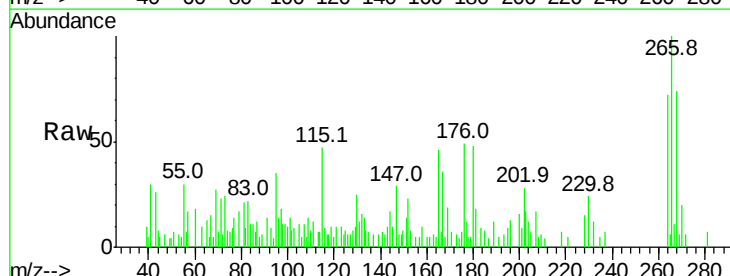


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

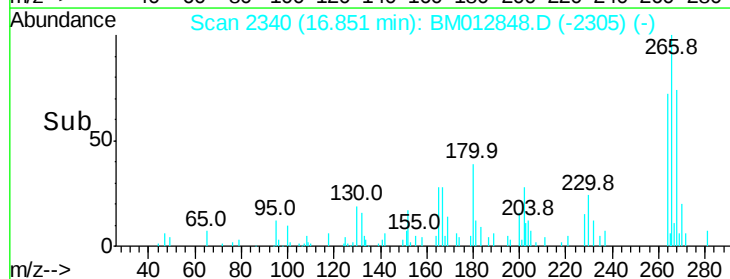
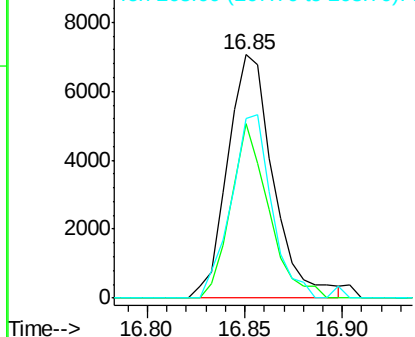


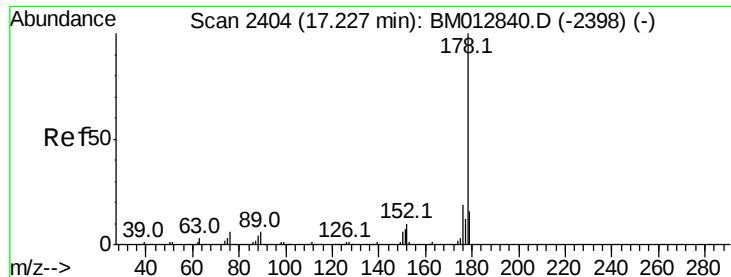
#68
Pentachlorophenol
Concen: 12.393 ng/ul
RT: 16.85 min Scan# 2340
Delta R.T. 0.01 min
Lab File: BM012848.D
Acq: 09 Nov 2017 11:30

Tgt Ion	Ratio	Lower	Upper
266	100		
264	71.5	50.5	75.7
268	73.9	50.9	76.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 17.175 ng/ul

RT: 17.23 min Scan# 2405

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

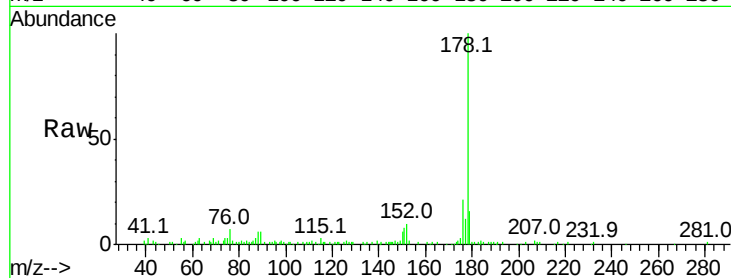
BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

Tot Ion:178 Resp: 103756

Ion	Ratio	Lower	Upper
178	100		
179	16.2	12.2	18.4
176	20.5	15.6	23.4

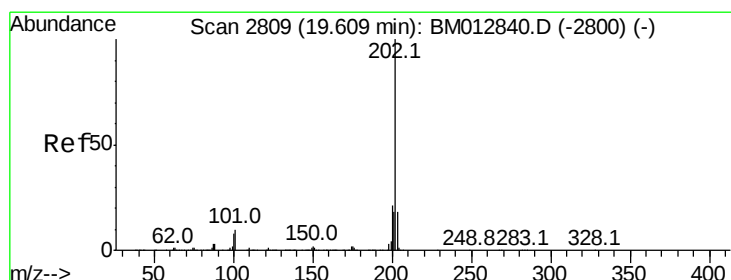
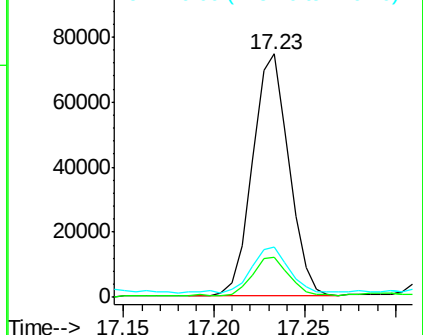
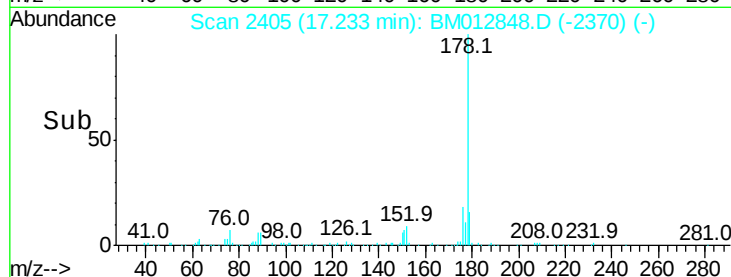


Abundance

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



#79

Pyrene

Concen: 6.201 ng/ul

RT: 19.62 min Scan# 2810

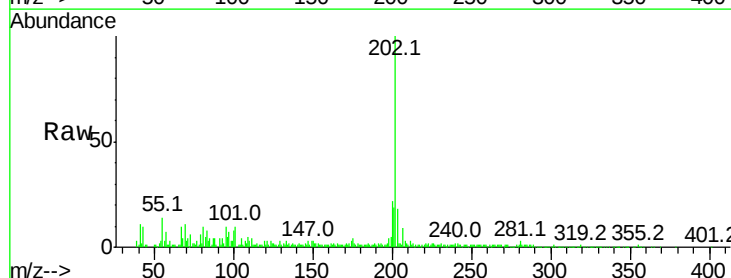
Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Tgt Ion:202 Resp: 199656

Ion	Ratio	Lower	Upper
202	100		
101	9.9	10.2	15.2#
100	7.7	8.5	12.7#

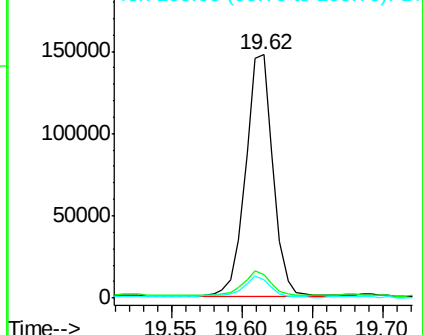
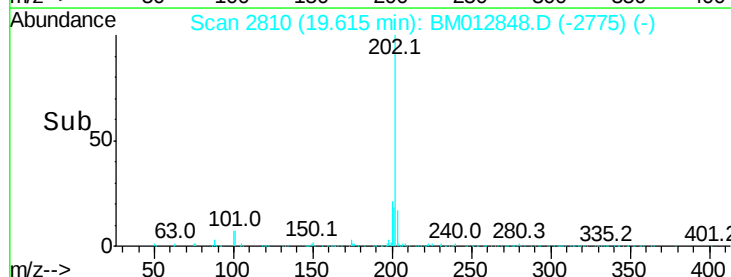


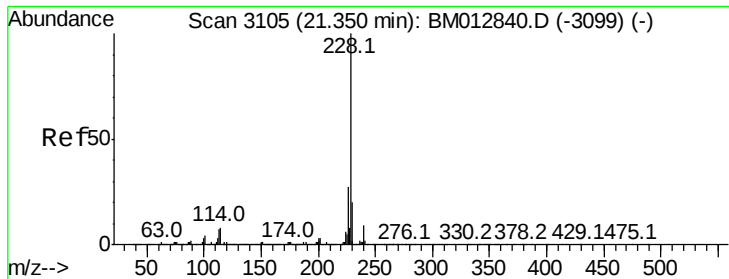
Abundance

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





#82

Benzo(a)anthracene

Concen: 2.134 ng/ul

RT: 21.36 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

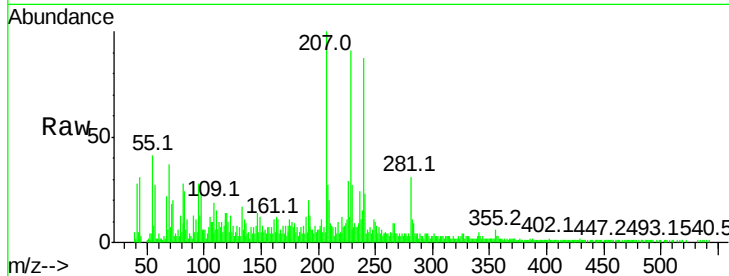
Tot Ion:228 Resp: 69685

Ion Ratio Lower Upper

228 100

229 29.4 15.7 23.5#

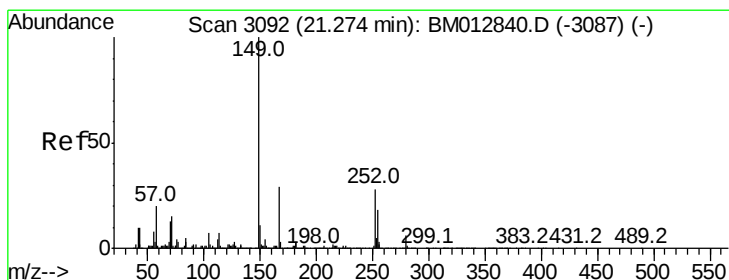
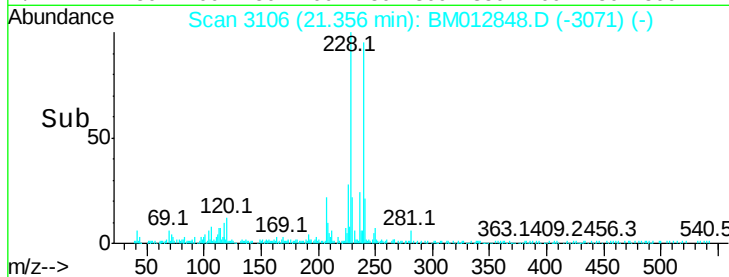
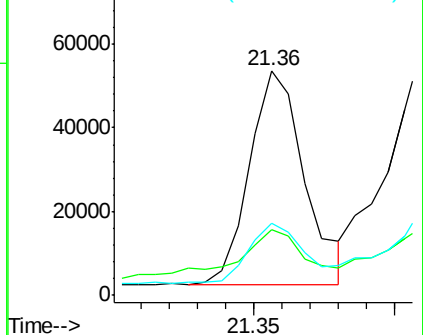
226 32.0 21.8 32.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.284 ng/ul

RT: 21.28 min Scan# 3093

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

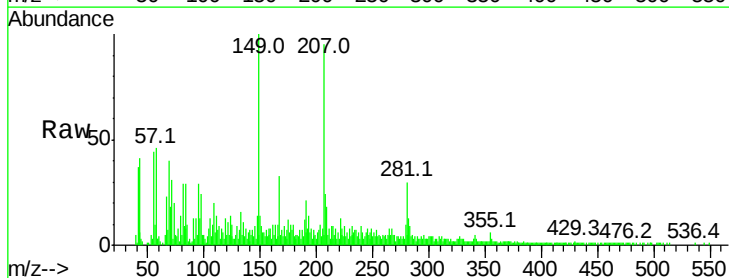
Tgt Ion:149 Resp: 56172

Ion Ratio Lower Upper

149 100

167 32.8 21.6 32.4#

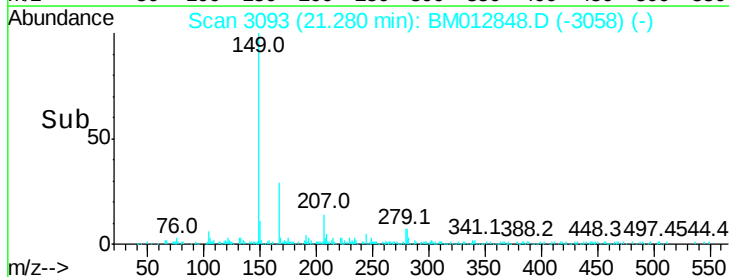
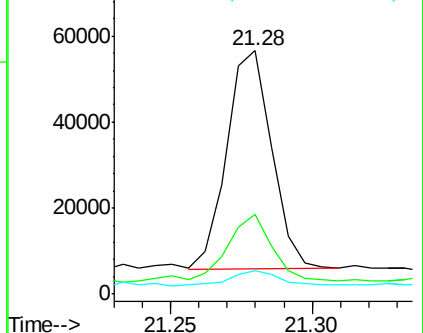
279 9.6 3.0 4.4#

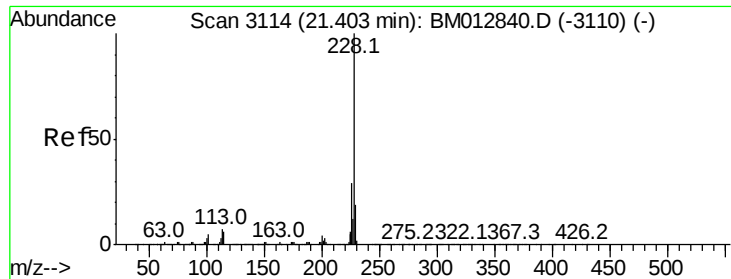


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Chrysene

Concen: 2.843 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

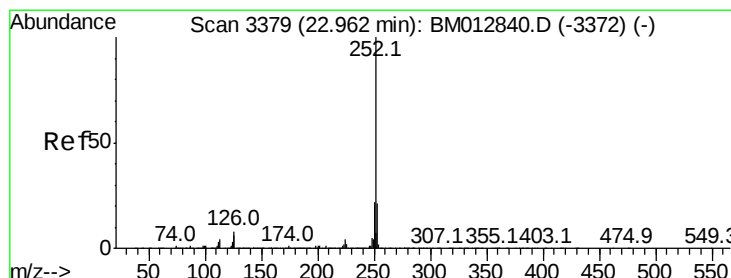
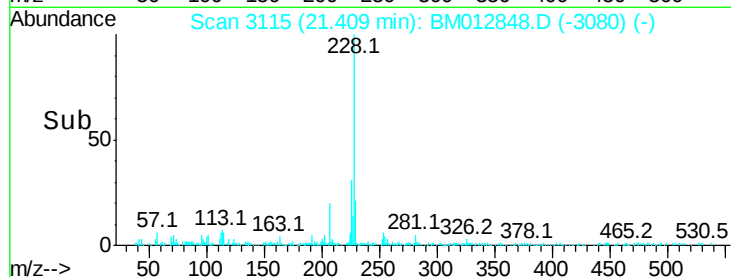
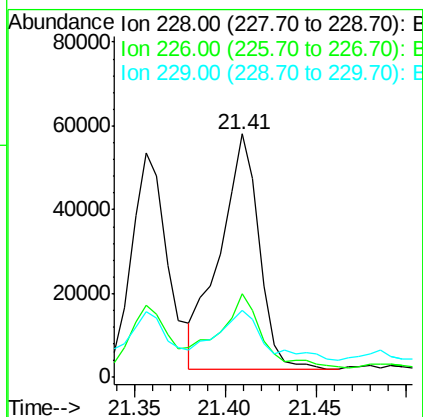
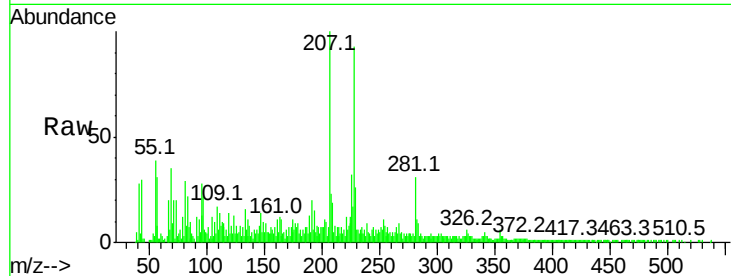
Tot Ion:228 Resp: 84134

Ion Ratio Lower Upper

228 100

226 34.5 24.0 36.0

229 27.6 15.6 23.4#



#87

Benzo(b)fluoranthene

Concen: 2.946 ng/ul

RT: 22.97 min Scan# 3381

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

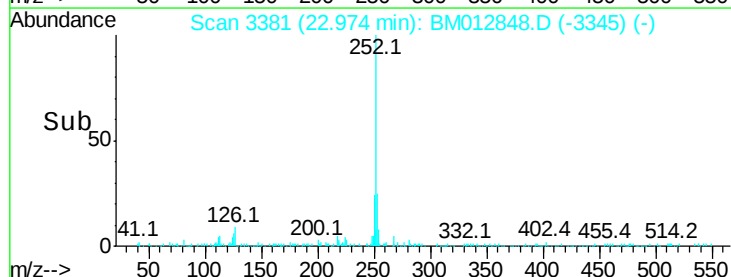
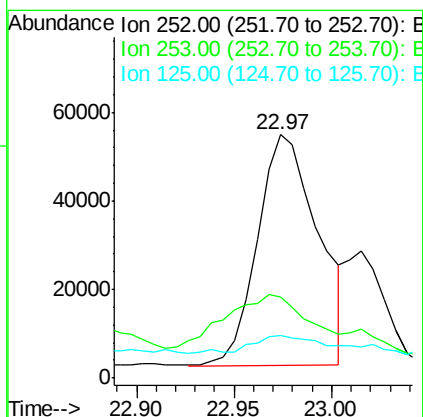
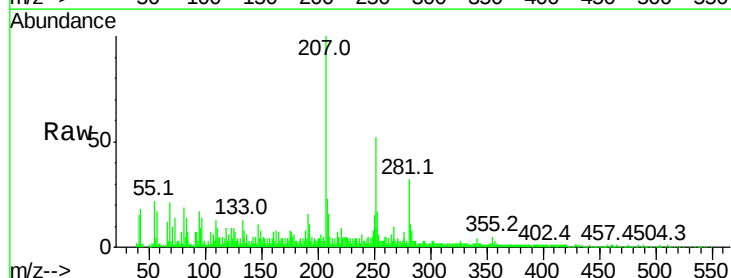
Tgt Ion:252 Resp: 112489

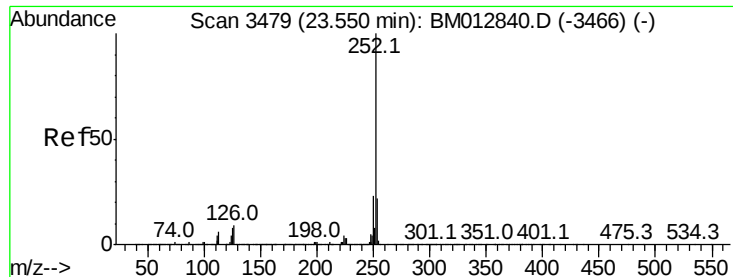
Ion Ratio Lower Upper

252 100

253 33.2 17.5 26.3#

125 17.7 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 2.012 ng/ul

RT: 23.56 min Scan# 3481

Delta R.T. 0.01 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

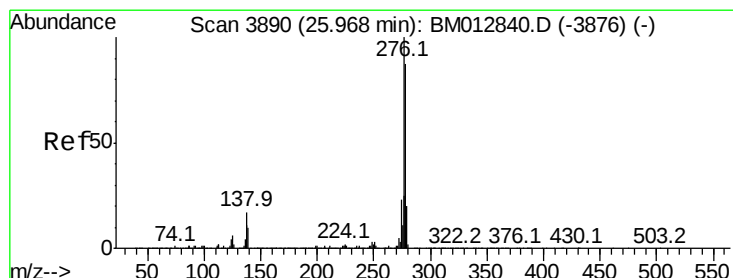
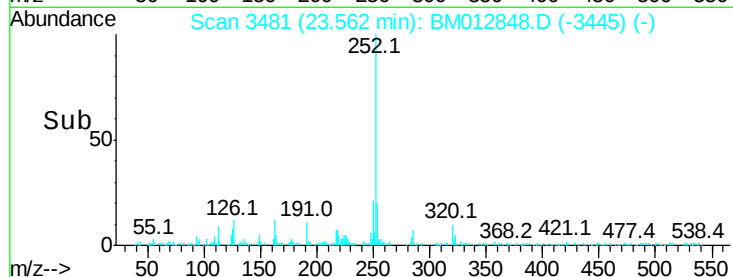
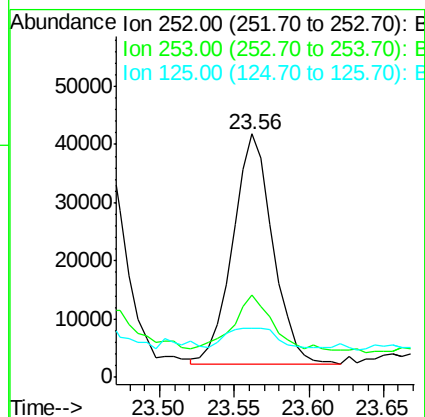
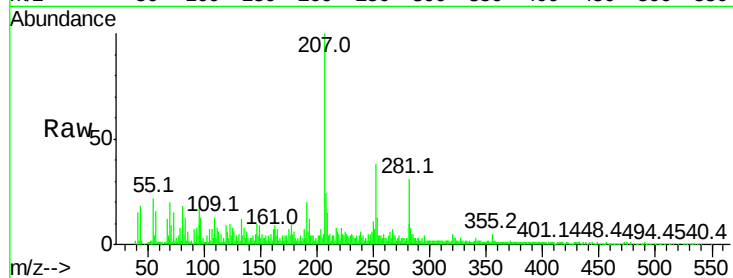
Tot Ion:252 Resp: 73096

Ion Ratio Lower Upper

252 100

253 34.0 17.2 25.8#

125 20.2 9.0 13.6#



#91

Indeno(1,2,3-cd)pyrene

Concen: 1.435 ng/ul

RT: 25.99 min Scan# 3893

Delta R.T. 0.02 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

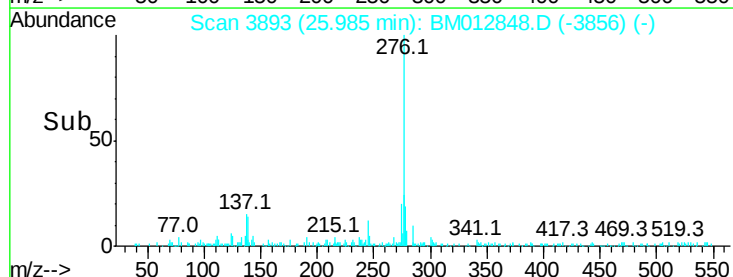
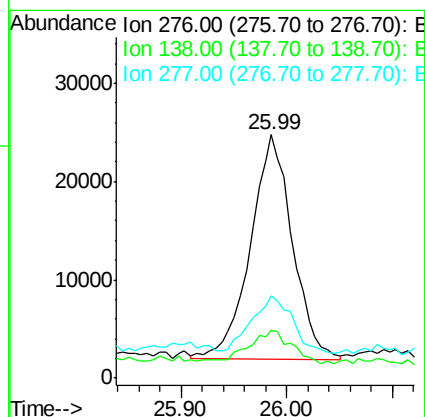
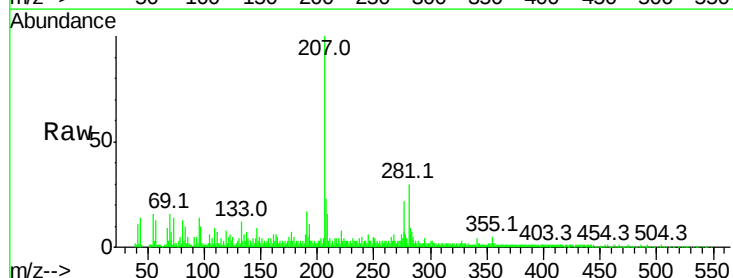
Tgt Ion:276 Resp: 62848

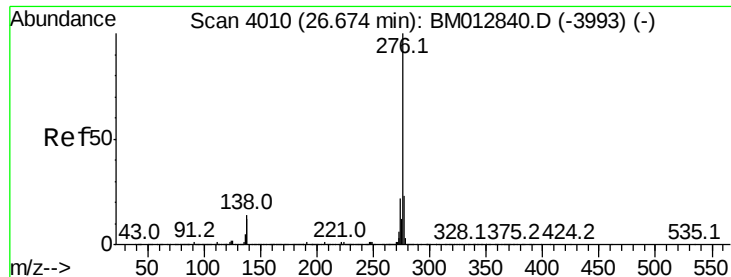
Ion Ratio Lower Upper

276 100

138 19.7 22.3 33.5#

277 33.7 20.2 30.2#





#93

Benzo(a,h,i)perylene

Concen: 1.735 ng/ul

RT: 26.70 min Scan# 4015

Delta R.T. 0.03 min

Lab File: BM012848.D

Acq: 09 Nov 2017 11:30

Instrument :

BNA_M

ClientSampleId :

B-52(0-1)-102317MSD

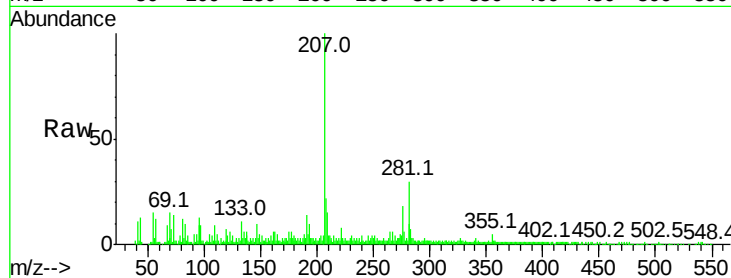
Tot Ion:276 Resp: 62613

Ion Ratio Lower Upper

276 100

138 22.3 18.9 28.3

277 34.5 19.2 28.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

