

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103273.D
 Acq On : 27 Feb 2018 19:48
 Operator : SJ/JU
 Sample : J1672-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:01:31 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

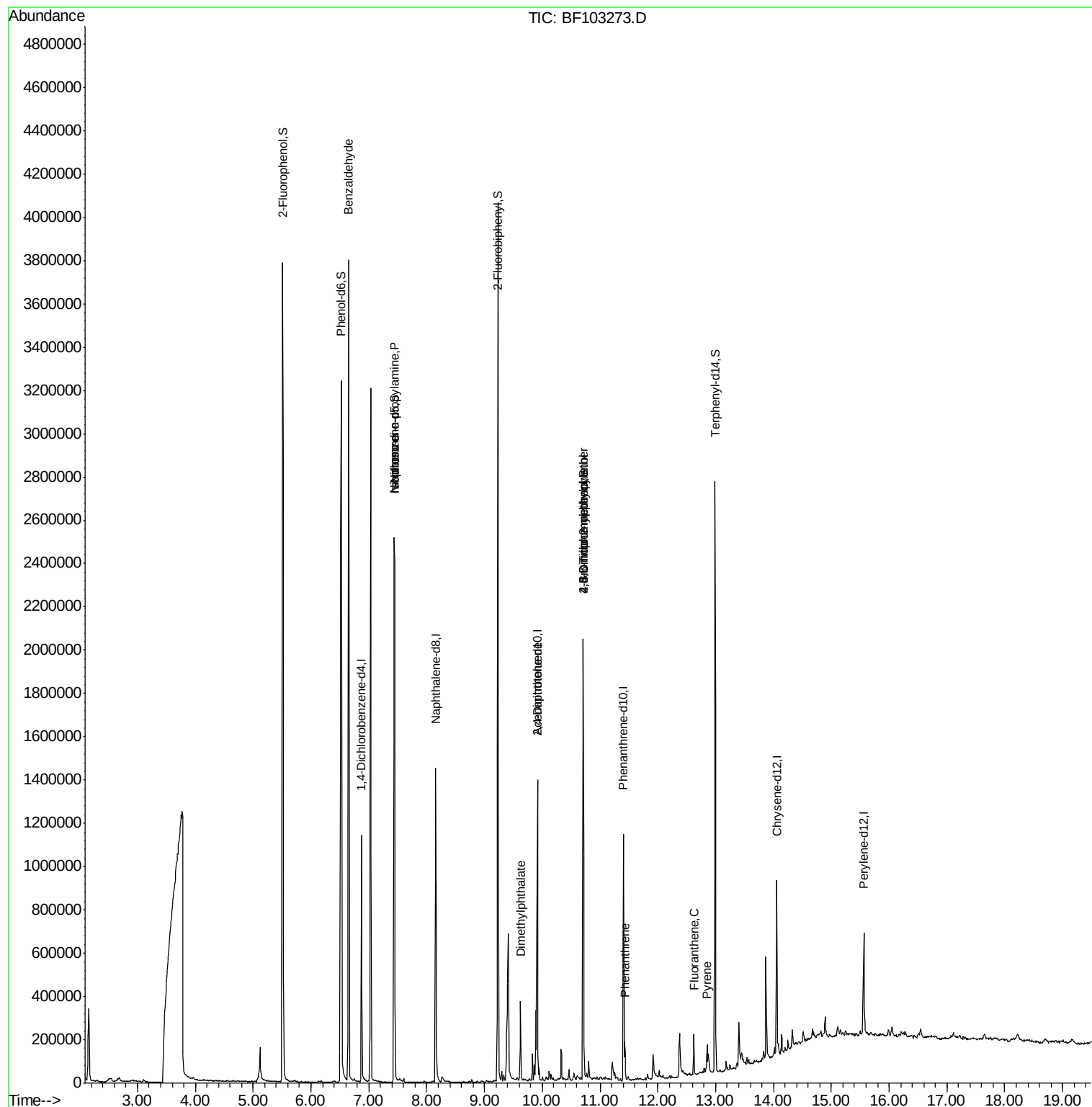
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	152739	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	632196	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	264504	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	401068	20.00	ng	0.00
75) Chrysene-d12	14.06	240	262018	20.00	ng	0.00
86) Perylene-d12	15.56	264	230447	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1212630	120.08	ng	0.02
7) Phenol-d6	6.52	99	1466869	118.70	ng	0.01
23) Nitrobenzene-d5	7.44	82	915833	82.73	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	235397	105.14	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1309747	85.38	ng	0.00
78) Terphenyl-d14	12.99	244	946612	86.85	ng	0.00
Target Compounds						
9) Benzaldehyde	6.65	77	24797	2.12	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.44	70	120310	15.64	ng	# 80
25) Isophorone	7.44	82	915825	42.01	ng	# 64
49) Dimethylphthalate	9.62	163	129699	6.11	ng	99
56) 2,4-Dinitrotoluene	9.92	165	35117	6.24	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	537	5.14	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	15536	3.72	ng	# 1
70) Phenanthrene	11.43	178	55874	2.53	ng	98
74) Fluoranthene	12.62	202	68820	3.10	ng	96
77) Pyrene	12.85	202	48487	2.37	ng	98

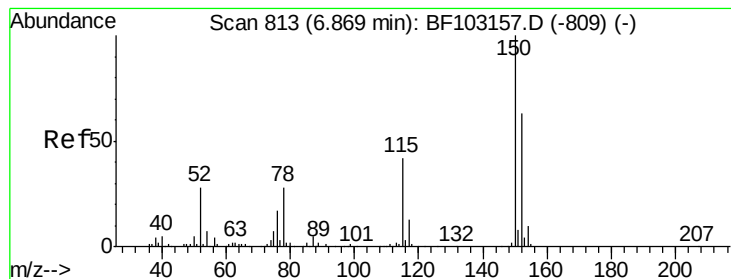
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.00 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_F

ClientSampleId :

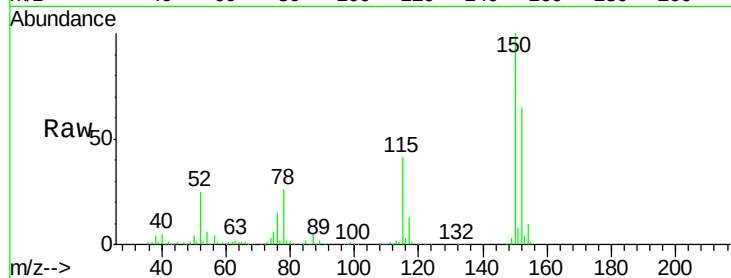
Tot Ion:152 Resp: 152739

Ion Ratio Lower Upper

152 100

150 154.7 124.6 186.8

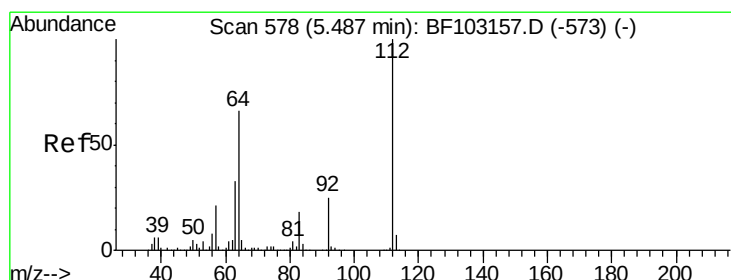
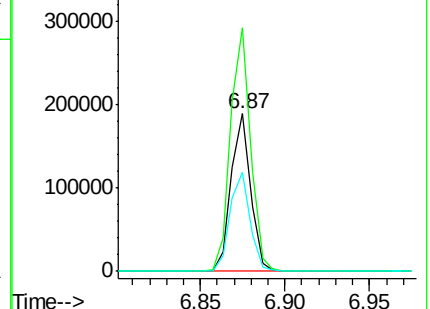
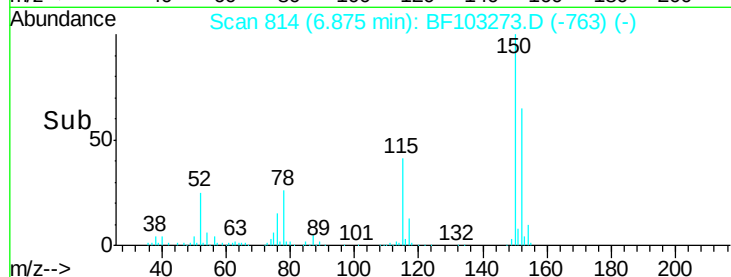
115 63.2 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 120.08 ng

RT: 5.51 min Scan# 582

Delta R.T. 0.02 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

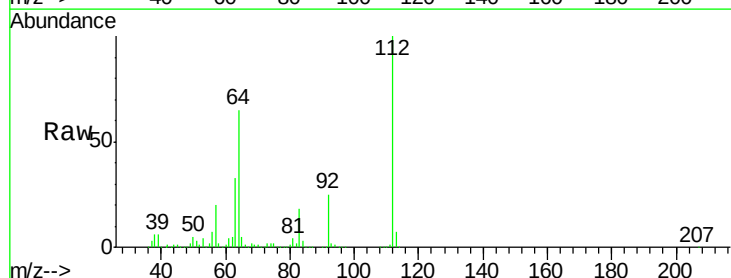
Tgt Ion:112 Resp: 1212630

Ion Ratio Lower Upper

112 100

64 64.7 47.9 71.9

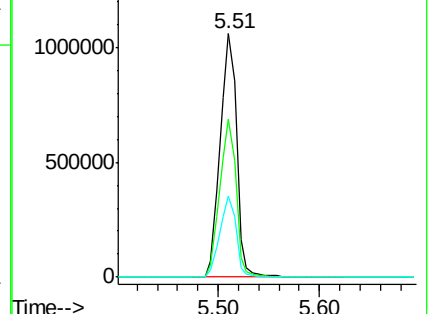
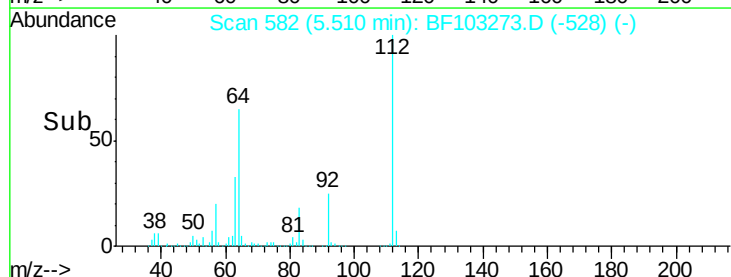
63 33.0 23.7 35.5

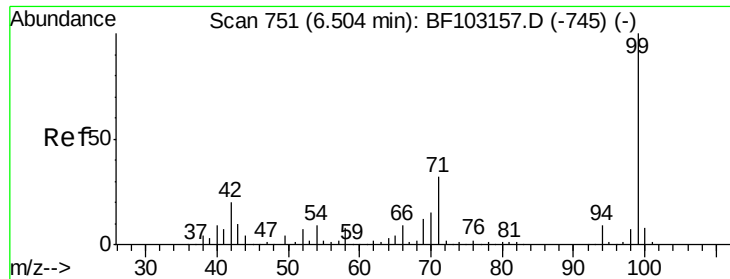


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 118.70 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_F

ClientSampled :

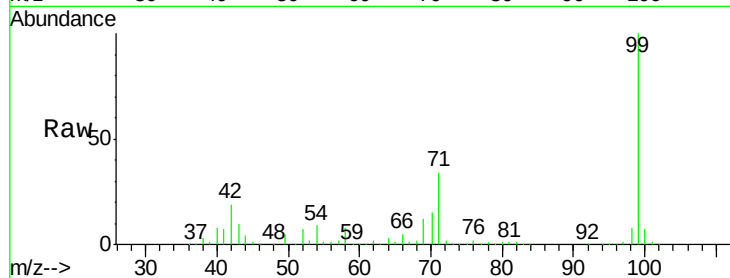
Tot Ion: 99 Resp: 1466869

Ion Ratio Lower Upper

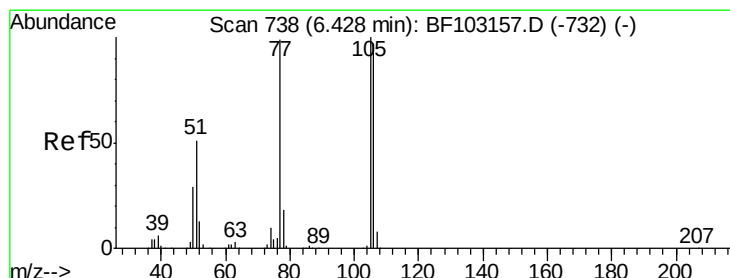
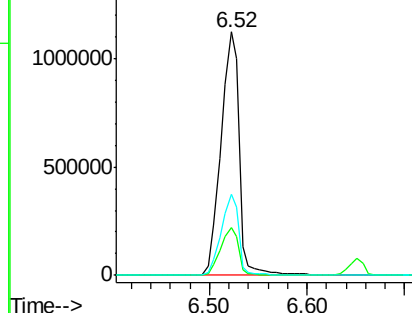
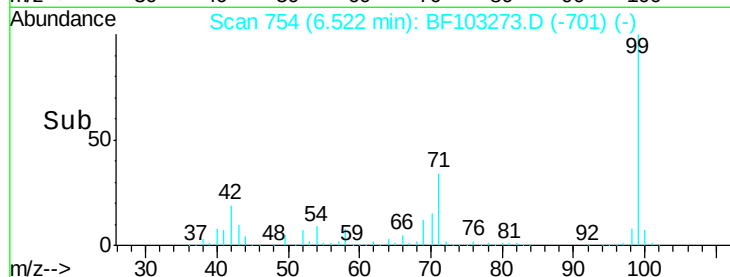
99 100

42 19.4 14.5 21.7

71 33.5 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.12 ng

RT: 6.65 min Scan# 776

Delta R.T. 0.22 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

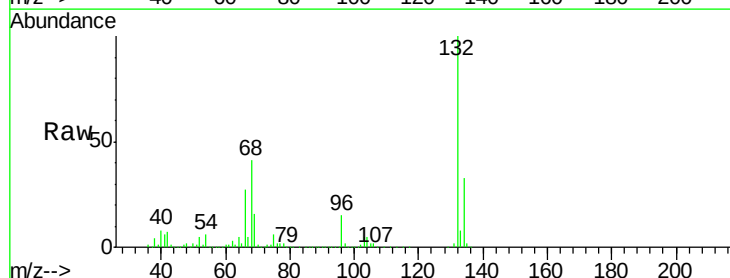
Tgt Ion: 77 Resp: 24797

Ion Ratio Lower Upper

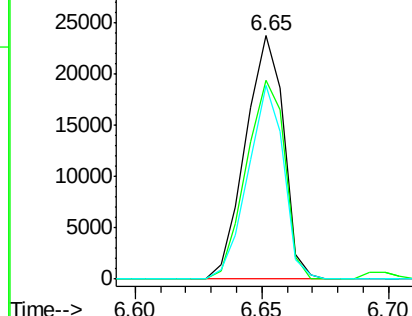
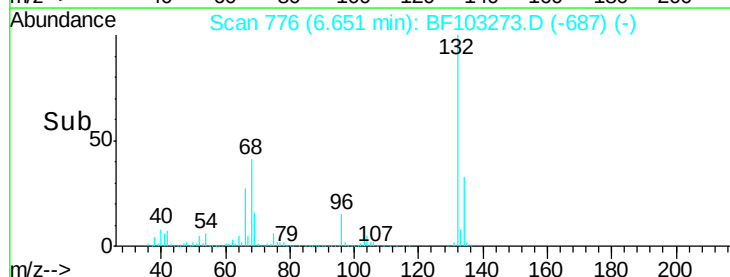
77 100

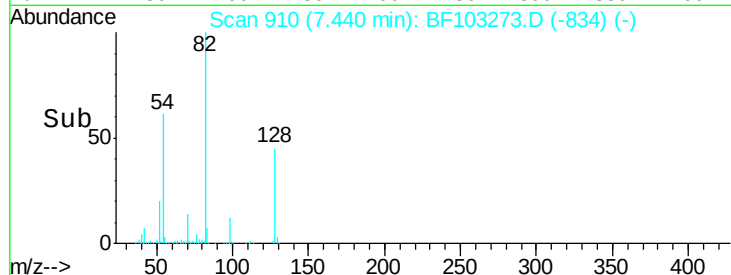
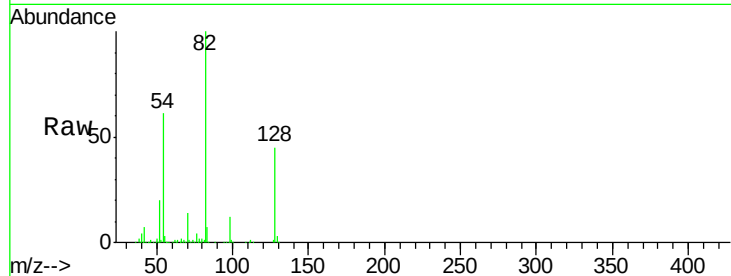
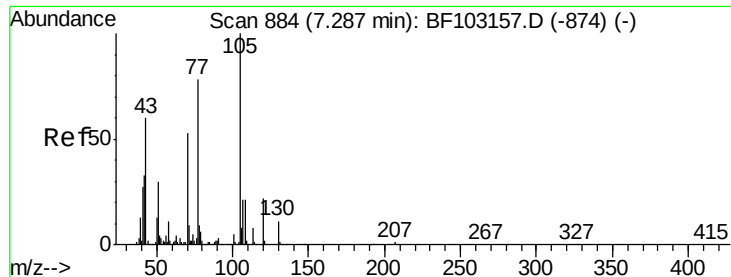
105 81.7 81.1 121.1

106 79.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

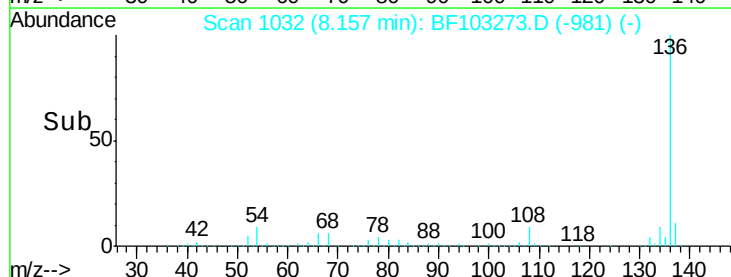
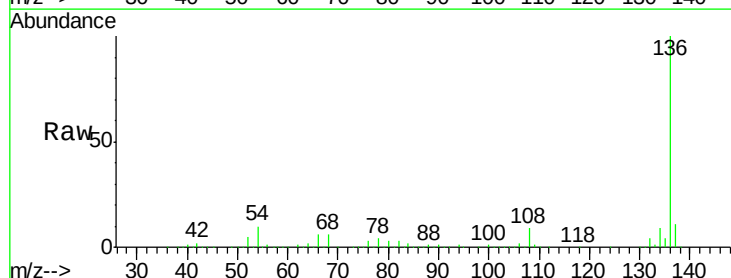
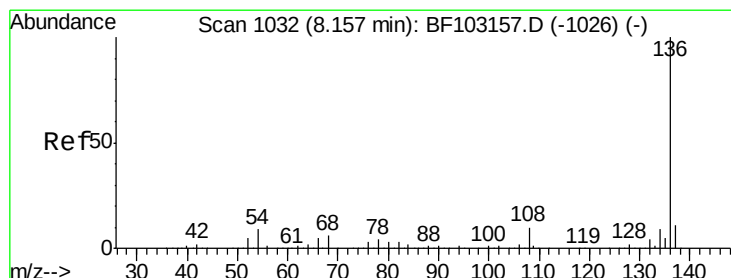
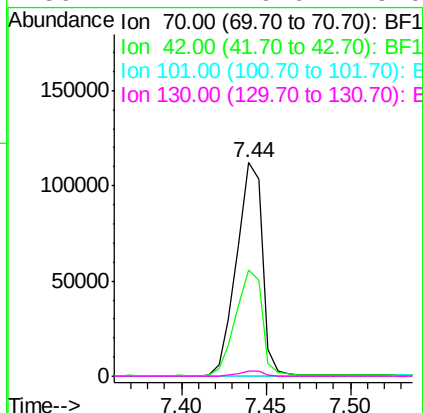




#19
n-Nitroso-di-n-propylamine
Concen: 15.64 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF103273.D
Acq: 27 Feb 2018 19:48

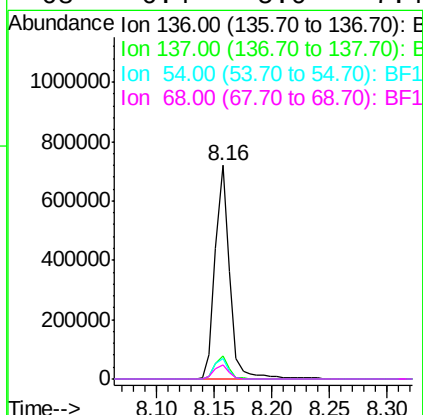
Instrument :
BNA_F
ClientSampleId :

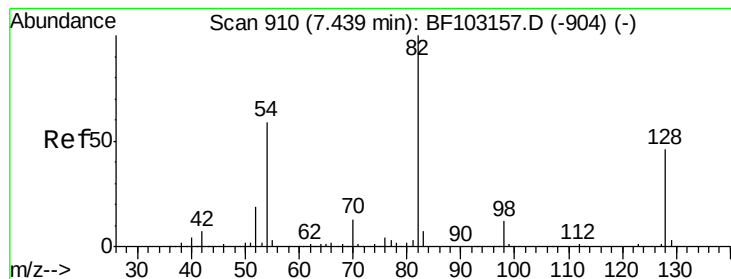
Tot Ion: 70 Resp: 120310
Ion Ratio Lower Upper
70 100
42 49.7 47.5 71.3
101 0.0 7.4 11.2#
130 2.2 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BF103273.D
Acq: 27 Feb 2018 19:48

Tgt Ion: 136 Resp: 632196
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.5 6.6 9.8
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 82.73 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_F

ClientSampled :

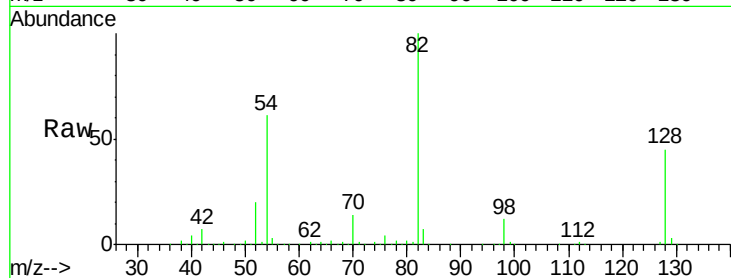
Tot Ion: 82 Resp: 915833

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

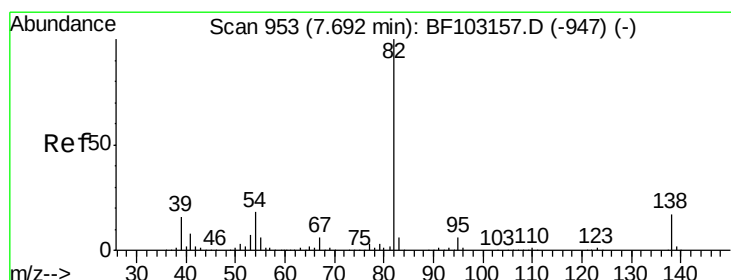
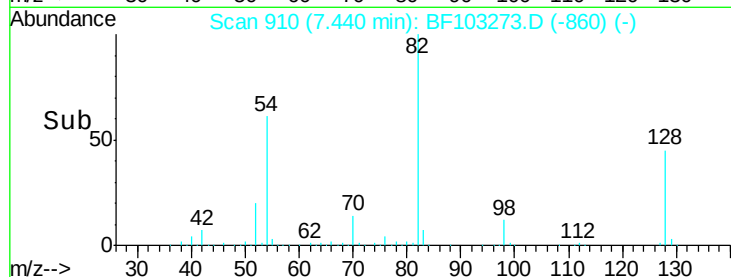
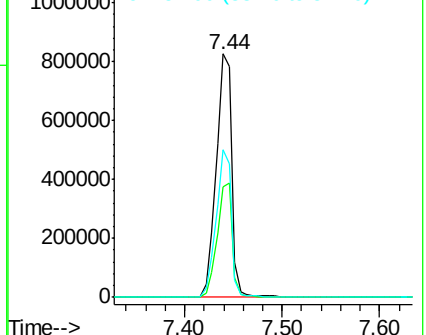
54 60.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 42.01 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

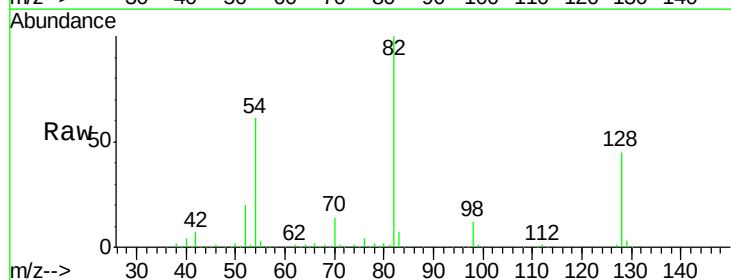
Tgt Ion: 82 Resp: 915825

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

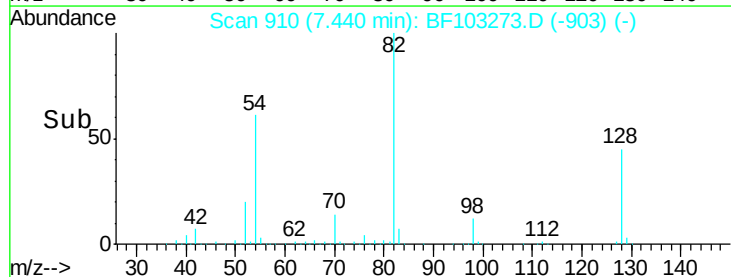
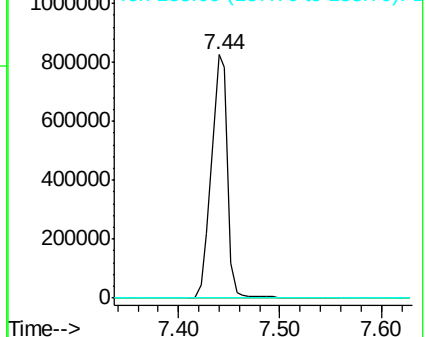
138 0.0 14.9 22.3#

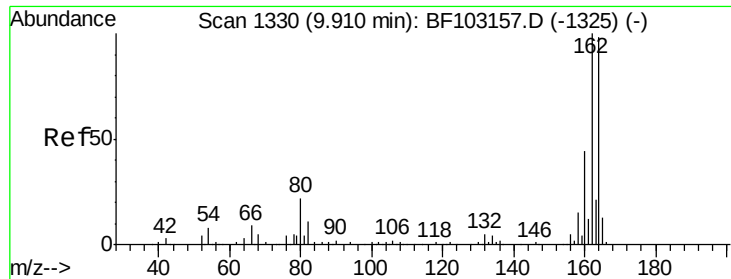


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

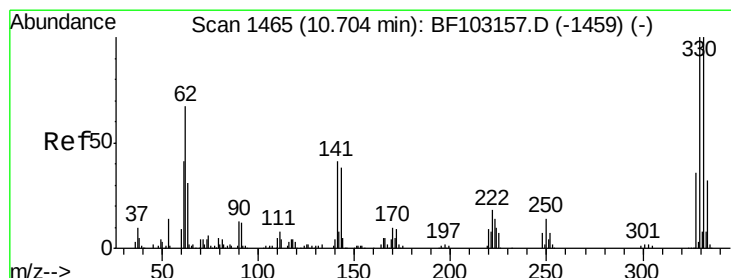
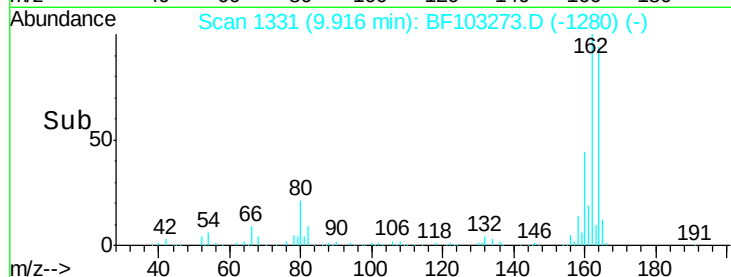
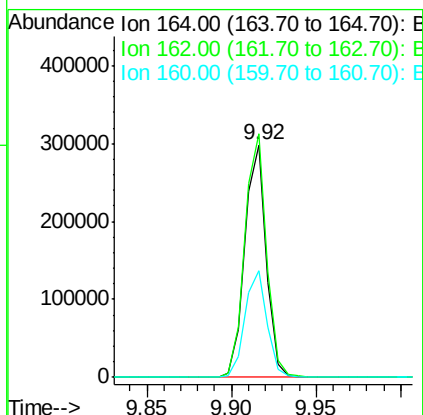
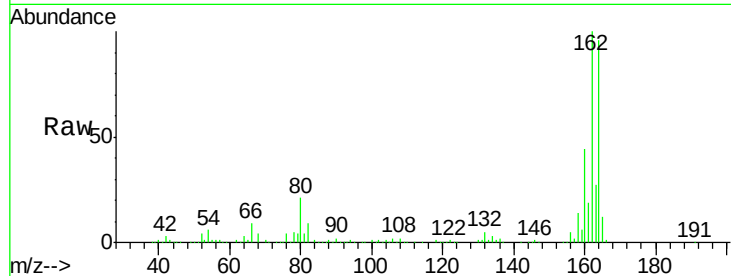




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF103273.D
 Acq: 27 Feb 2018 19:48

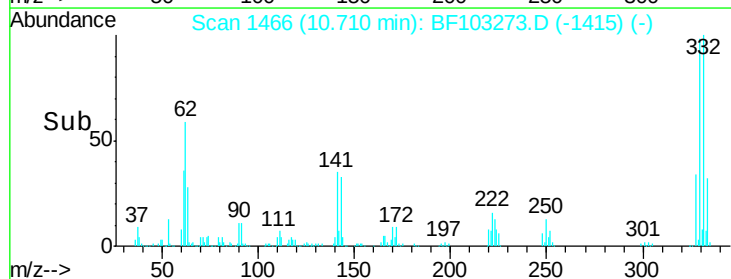
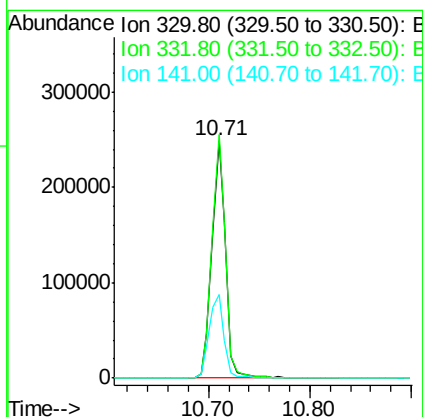
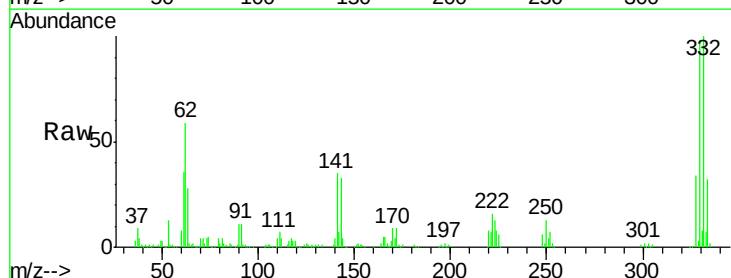
Instrument :
 BNA_F
 ClientSampleId :

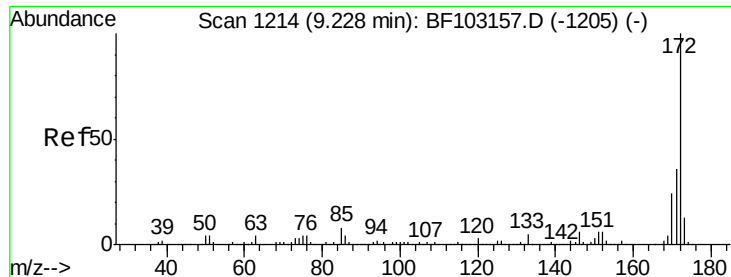
Tot Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	46.1	38.3	57.5



#41
 2,4,6-Tribromophenol
 Concen: 105.14 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF103273.D
 Acq: 27 Feb 2018 19:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.8	77.0	115.6
141	38.1	29.9	44.9

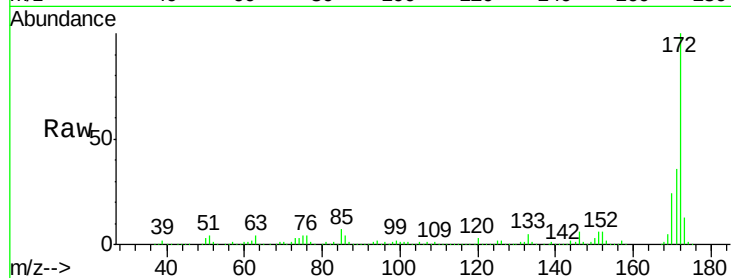




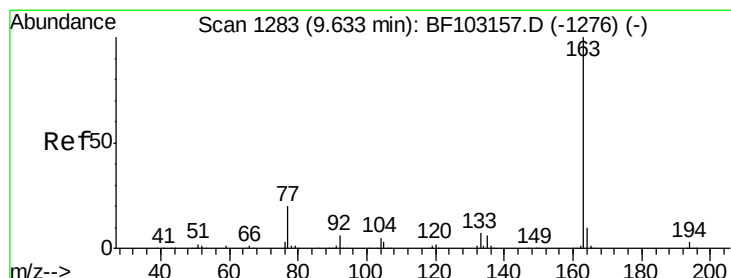
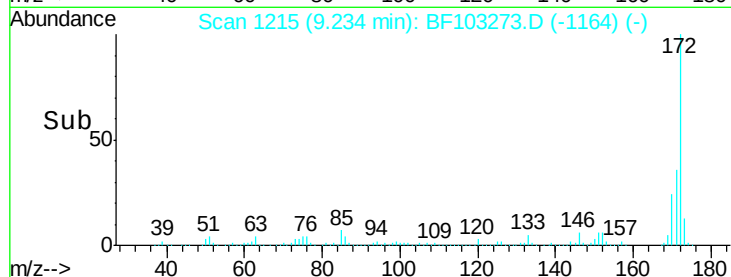
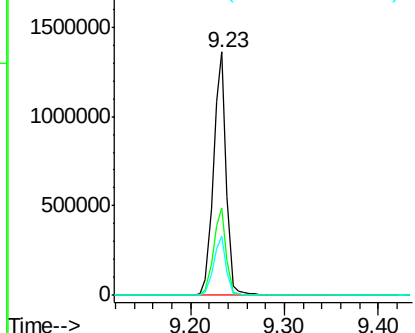
#44
2-Fluorobiphenyl
Concen: 85.38 ng
RT: 9.23 min Scan# 1215
Delta R.T. 0.00 min
Lab File: BF103273.D
Acq: 27 Feb 2018 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1309747
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.4 19.6 29.4

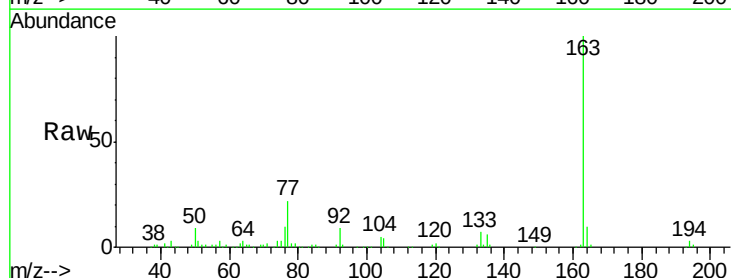


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

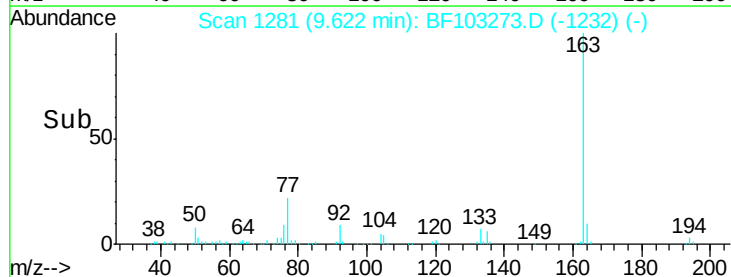
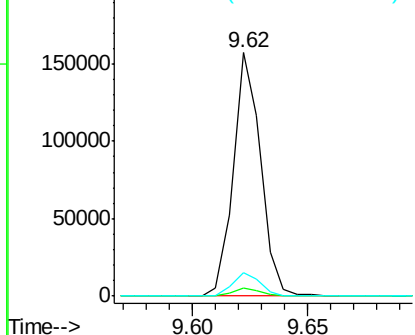


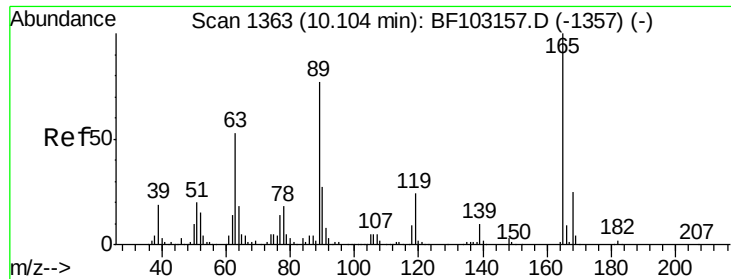
#49
Dimethylphthalate
Concen: 6.11 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103273.D
Acq: 27 Feb 2018 19:48

Tgt Ion:163 Resp: 129699
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 9.7 8.2 12.2



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

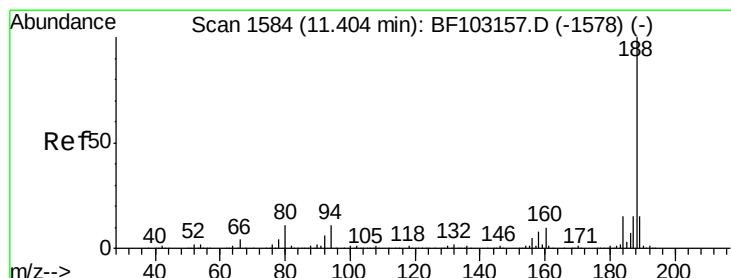
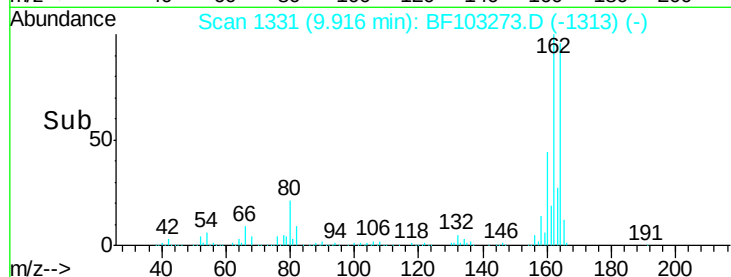
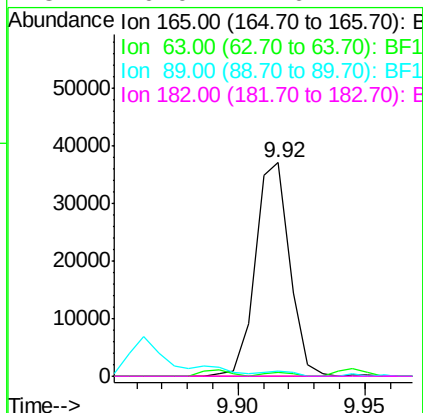
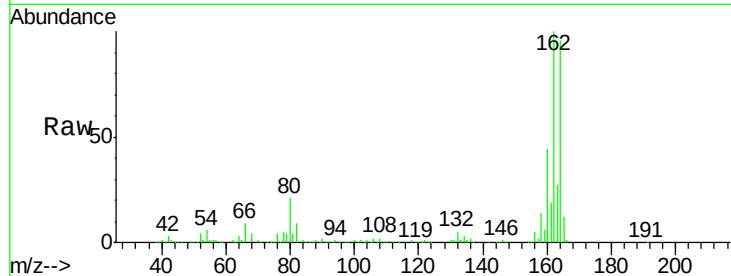




#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103273.D
 Acq: 27 Feb 2018 19:48

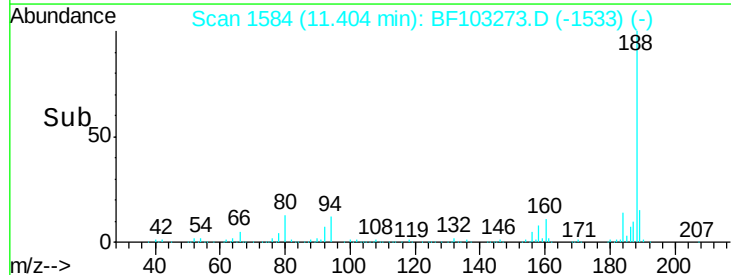
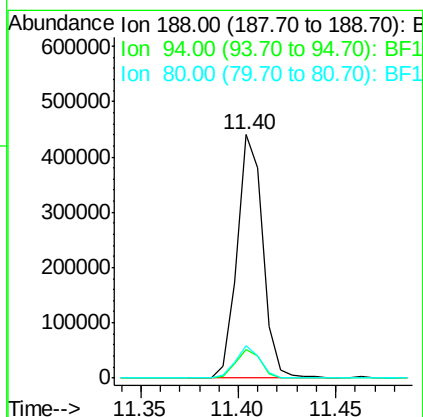
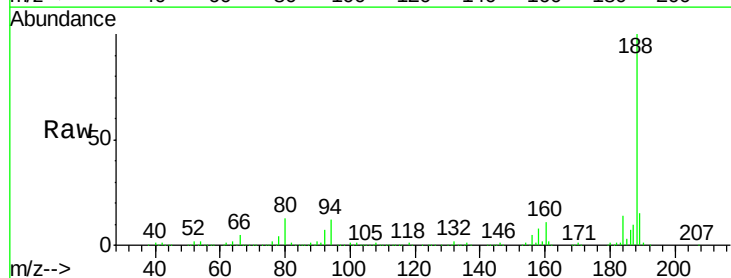
Instrument :
 BNA_F
 ClientSampled :

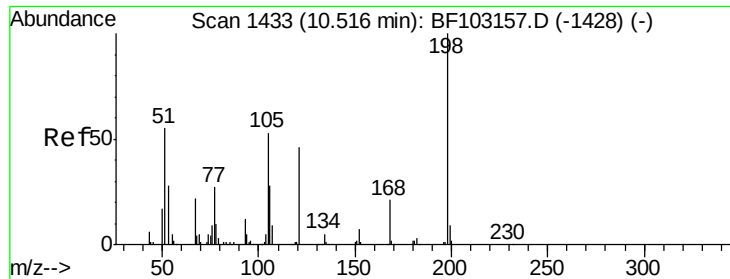
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	2.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: BF103273.D
 Acq: 27 Feb 2018 19:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	13.5	9.2	13.8

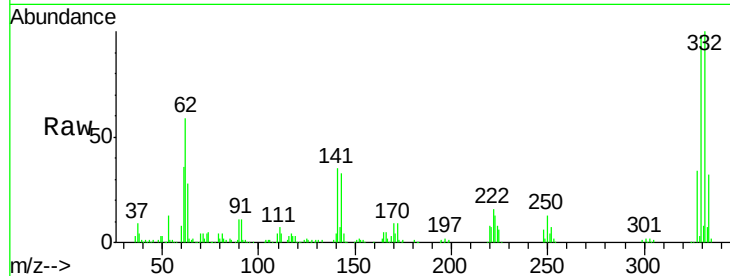




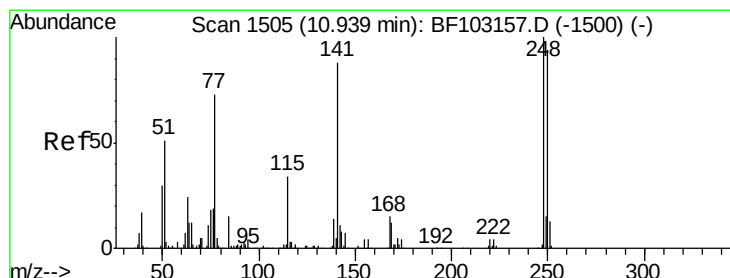
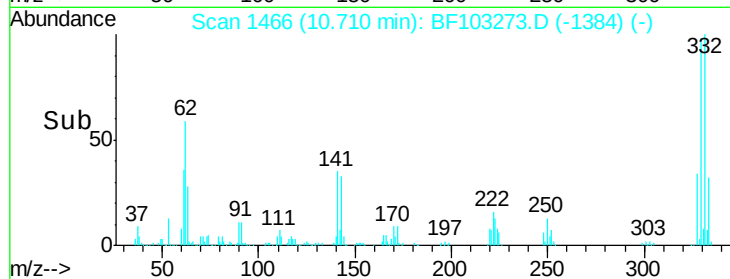
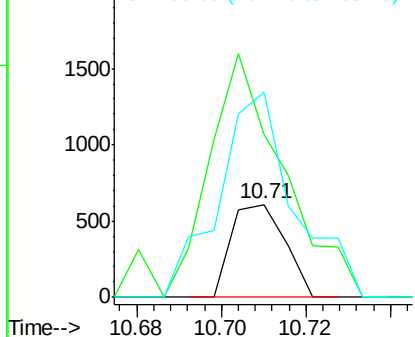
#64
4,6-Dinitro-2-methylphenol
Concen: 5.14 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.18 min
Lab File: BF103273.D
Acq: 27 Feb 2018 19:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 537
Ion Ratio Lower Upper
198 100
51 176.6 37.7 77.7#
105 221.4 36.3 76.3#

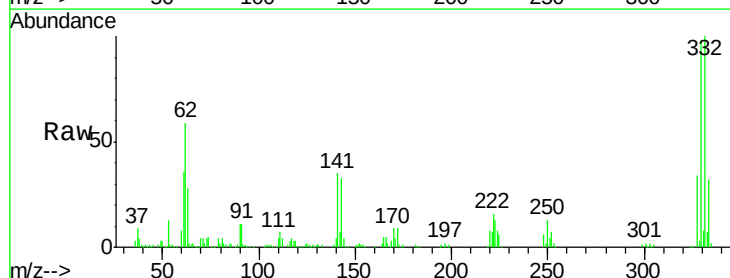


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

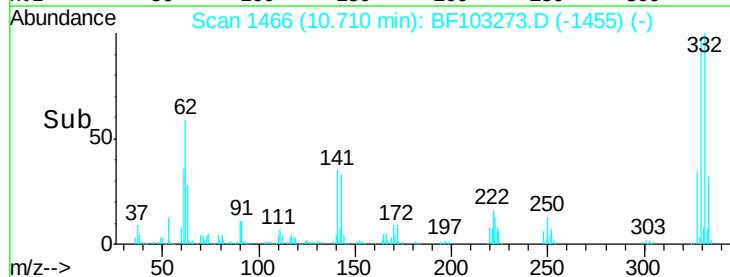
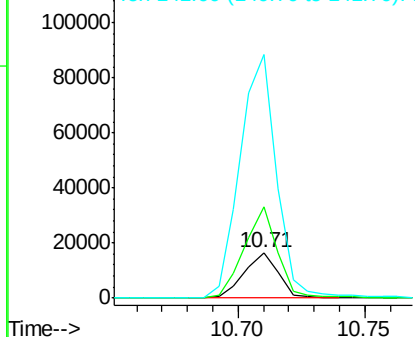


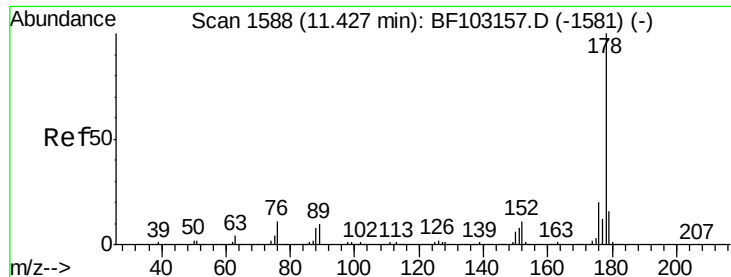
#66
4-Bromophenyl-phenylether
Concen: 3.72 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.24 min
Lab File: BF103273.D
Acq: 27 Feb 2018 19:48

Tgt Ion:248 Resp: 15536
Ion Ratio Lower Upper
248 100
250 200.1 76.9 115.3#
141 537.5 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 2.53 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_F

ClientSampleId :

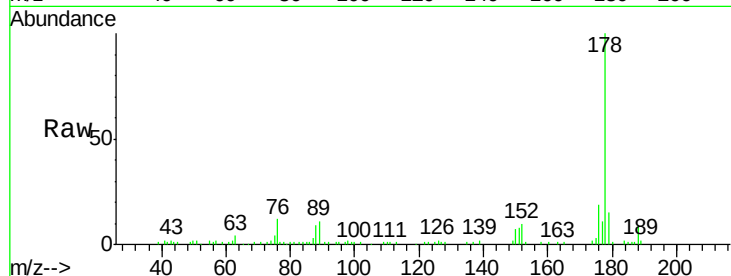
Tot Ion:178 Resp: 55874

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

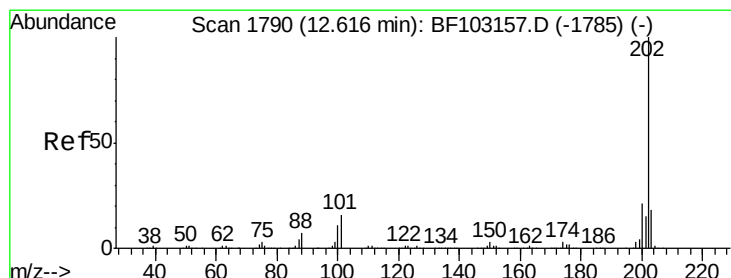
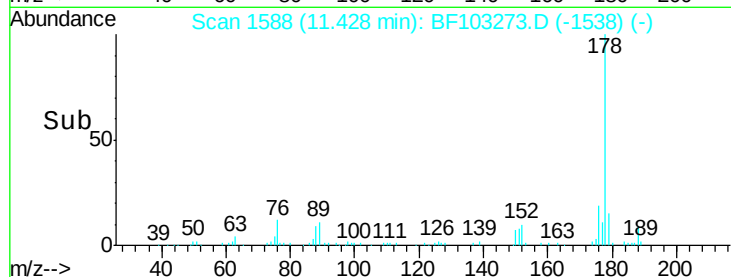
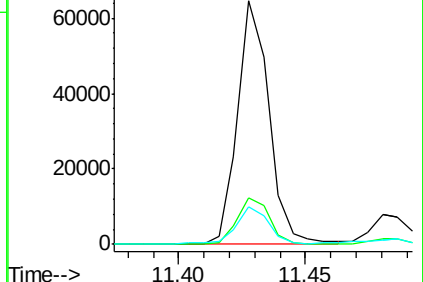
179 15.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.10 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

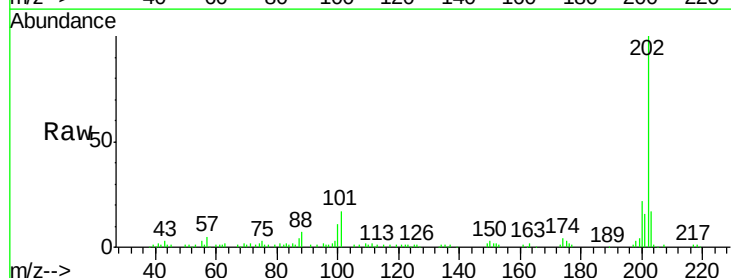
Tgt Ion:202 Resp: 68820

Ion Ratio Lower Upper

202 100

101 17.1 0.0 34.1

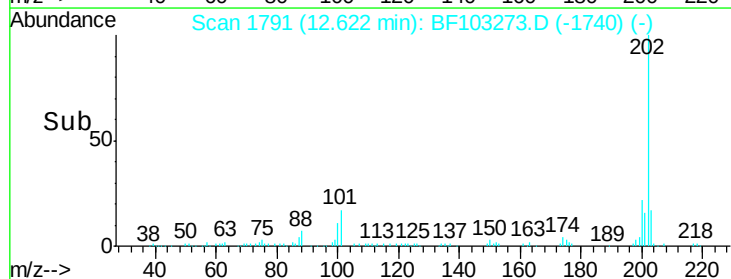
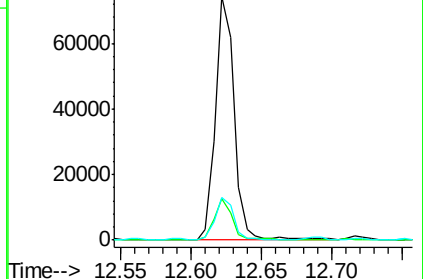
203 17.4 0.0 38.1

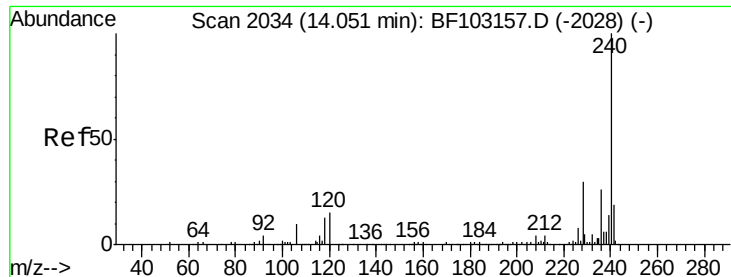


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_F

ClientSampleId :

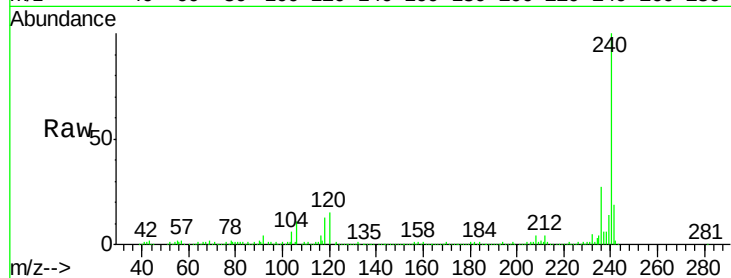
Tot Ion:240 Resp: 262018

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

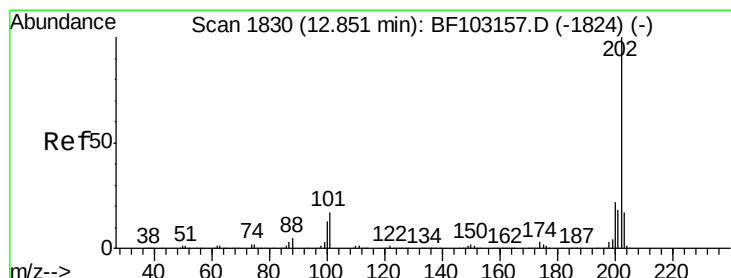
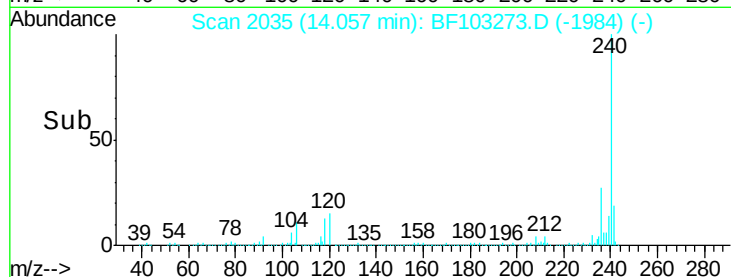
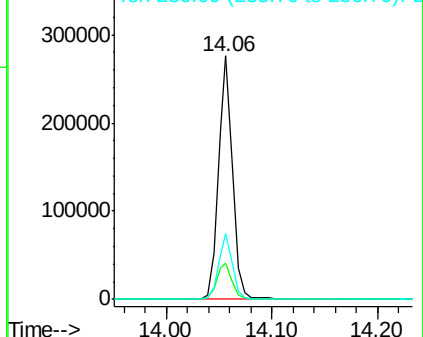
236 26.9 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.37 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

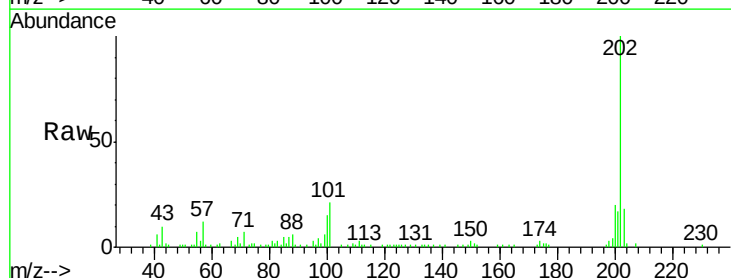
Tgt Ion:202 Resp: 48487

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

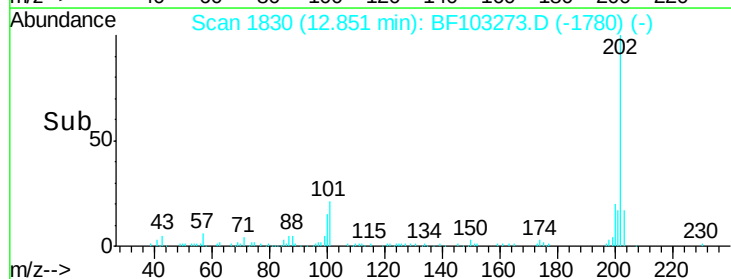
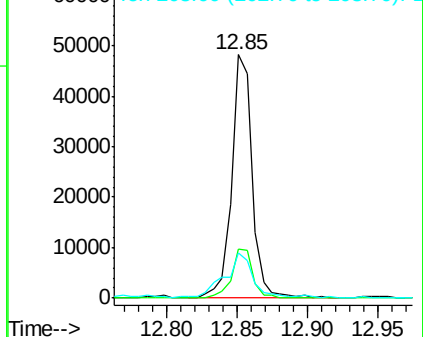
203 18.4 14.3 21.5

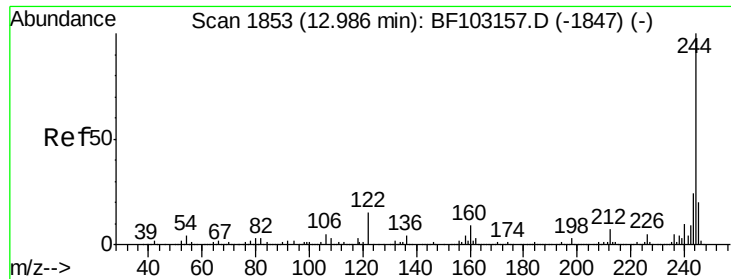


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 86.85 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

Instrument :

BNA_F

ClientSampleId :

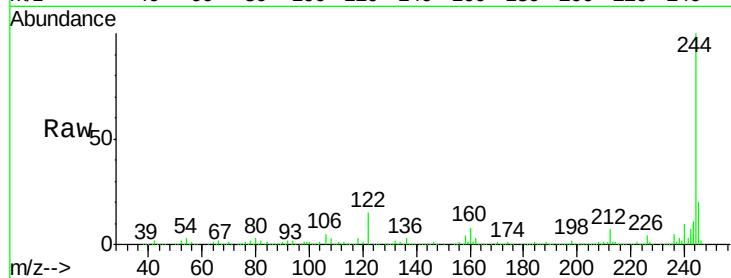
Tot Ion:244 Resp: 946612

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

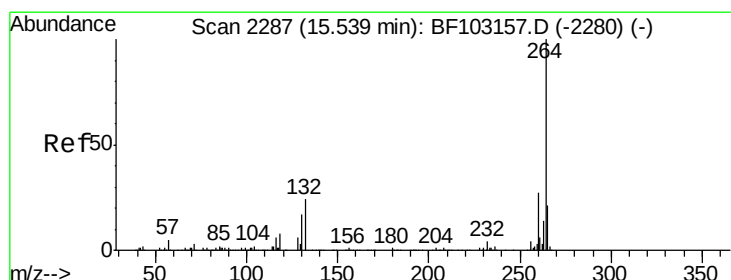
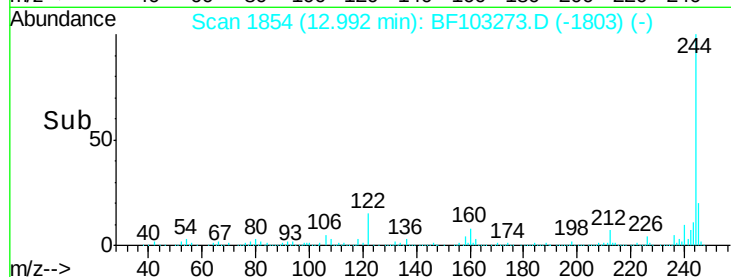
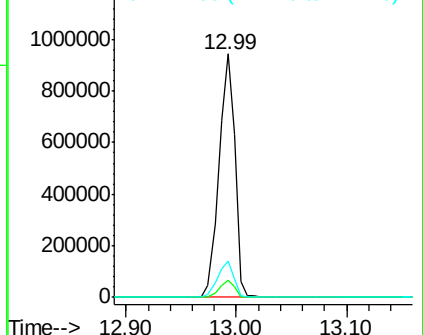
122 14.7 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.56 min Scan# 2291

Delta R.T. 0.01 min

Lab File: BF103273.D

Acq: 27 Feb 2018 19:48

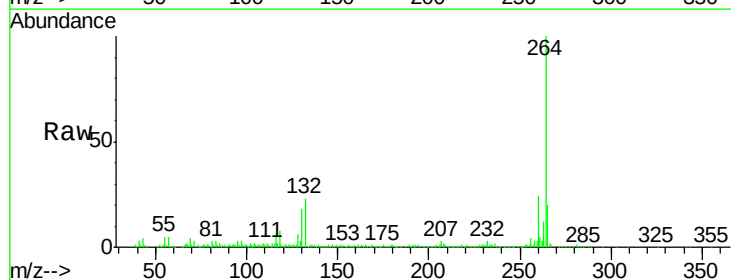
Tgt Ion:264 Resp: 230447

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 19.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

