

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111417\
 Data File : BF100574.D
 Acq On : 15 Nov 2017 7:27
 Operator : SJ/JU
 Sample : I6449-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 15 11:10:41 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 14 14:17:16 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	103678	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	366133	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	132784	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	219857	20.00	ng	0.00
75) Chrysene-d12	14.04	240	230184	20.00	ng	-0.01
86) Perylene-d12	15.52	264	148912	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	838788	129.69	ng	0.02
7) Phenol-d6	6.51	99	906009	113.60	ng	0.00
23) Nitrobenzene-d5	7.45	82	646911	116.81	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	193748	143.19	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1037580	118.99	ng	0.00
78) Terphenyl-d14	12.99	244	903838	90.22	ng	0.00

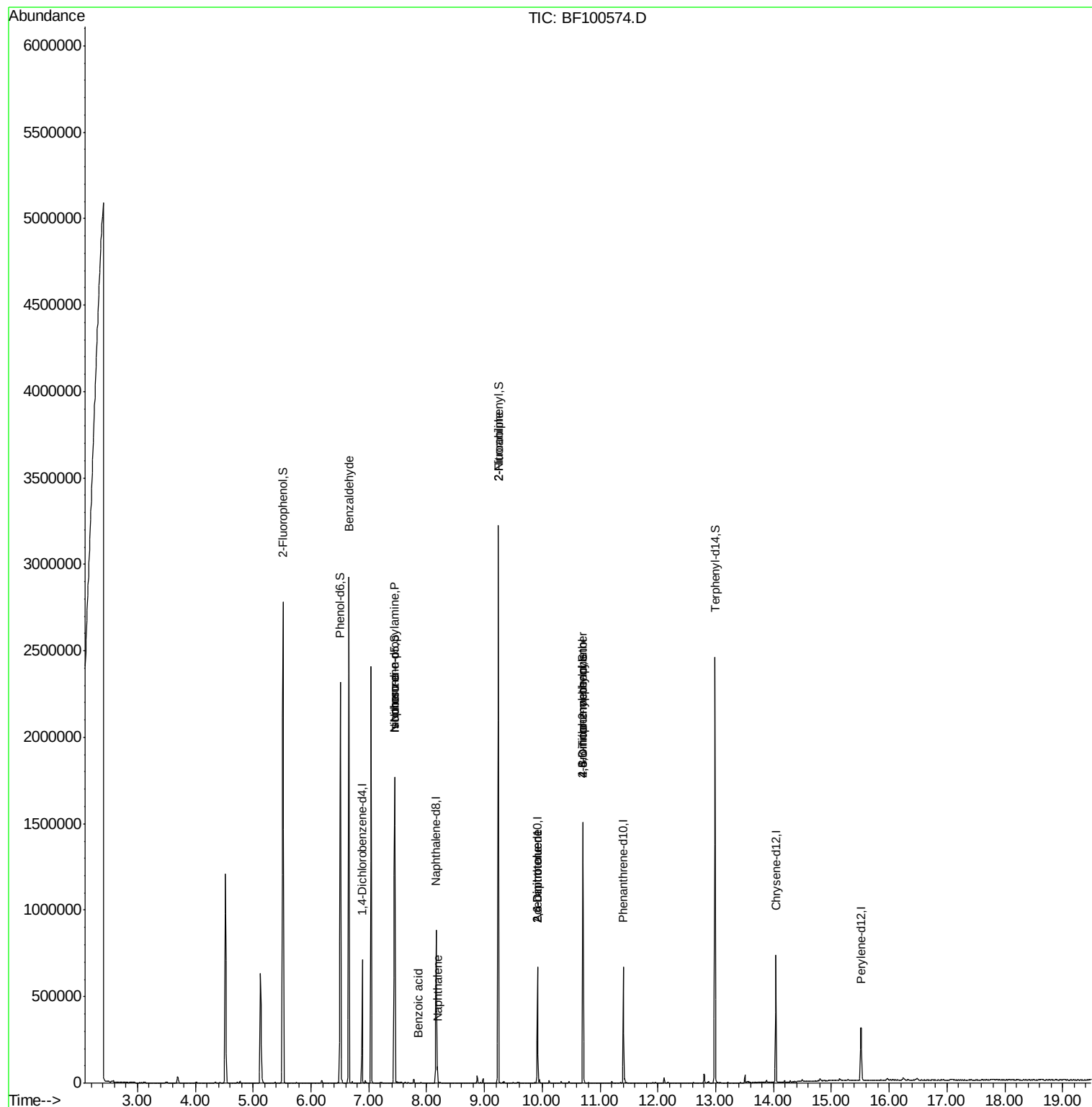
Target Compounds				Qvalue		
9) Benzaldehyde	6.66	77	17780	3.122	ng	84
19) n-Nitroso-di-n-propylamine	7.45	70	84612	15.297	ng	# 83
25) Isophorone	7.45	82	646902	55.587	ng	# 64
31) Naphthalene	8.19	128	38247	2.169	ng	98
32) Benzoic acid	7.85	122	250	9.421	ng	# 59
47) 2-Nitroaniline	9.24	65	1480	3.350	ng	# 5
50) 2,6-Dinitrotoluene	9.92	165	17220	8.581	ng	# 25
56) 2,4-Dinitrotoluene	9.92	165	17220	6.802	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	366	8.841	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	12073	5.123	ng	# 1

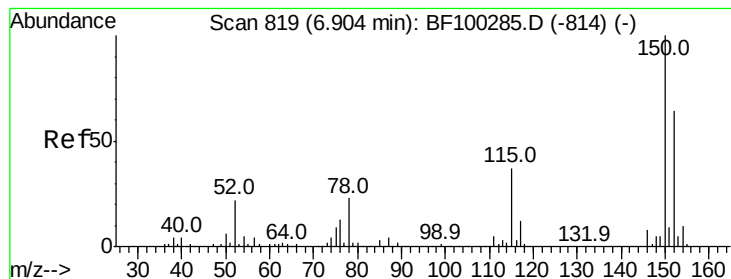
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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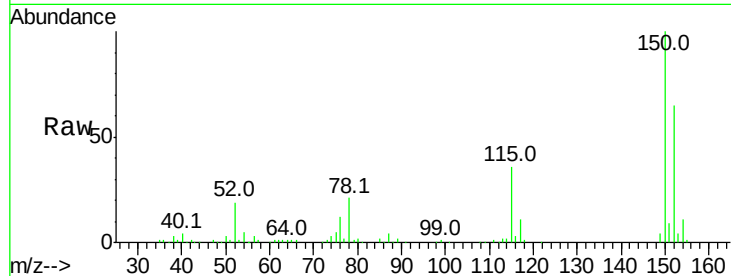


#1

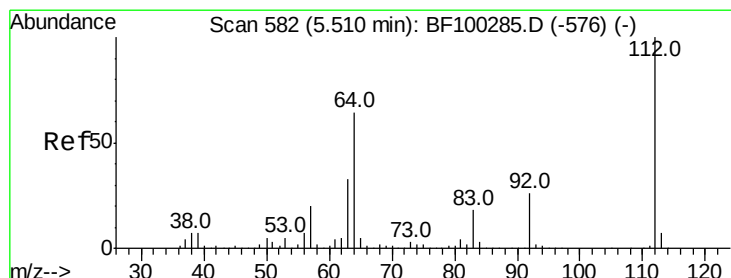
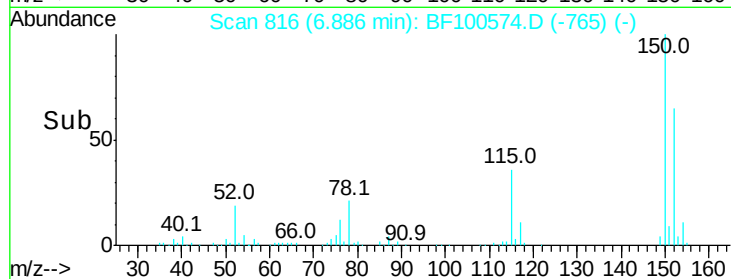
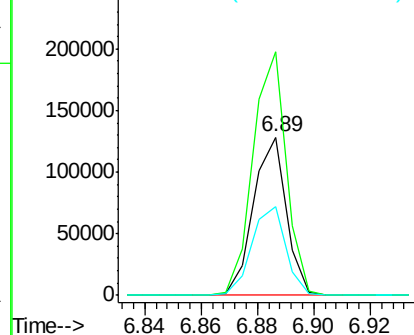
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 103678
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 56.0 50.1 75.1



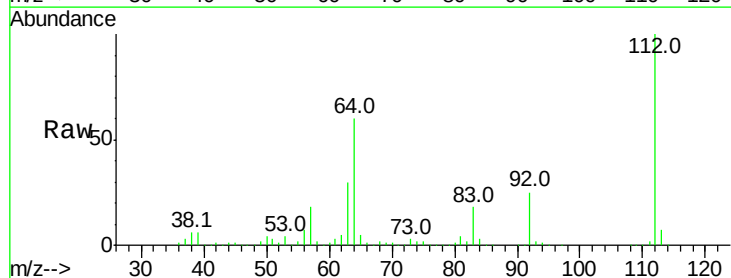
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



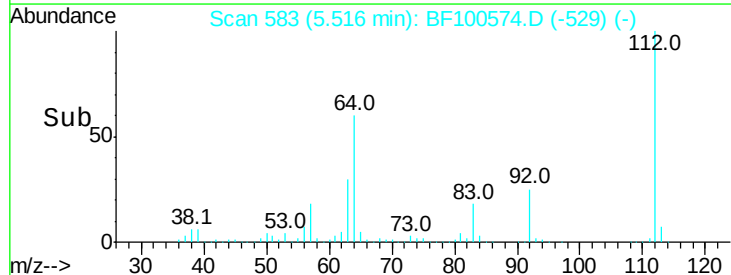
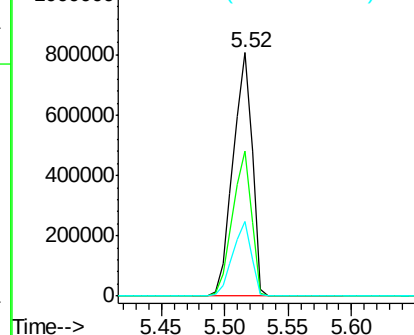
#5

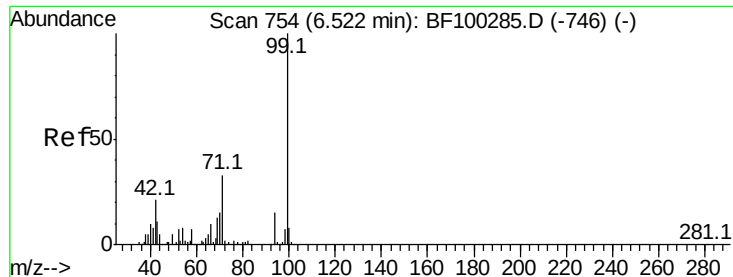
2-Fluorophenol
Concen: 129.687 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

Tgt Ion:112 Resp: 838788
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 30.4 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: 113.597 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

Instrument :

BNA_F

ClientSampled :

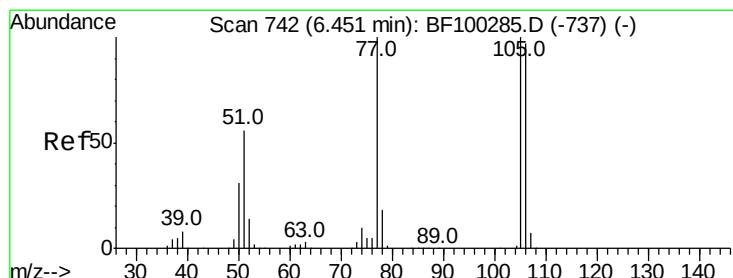
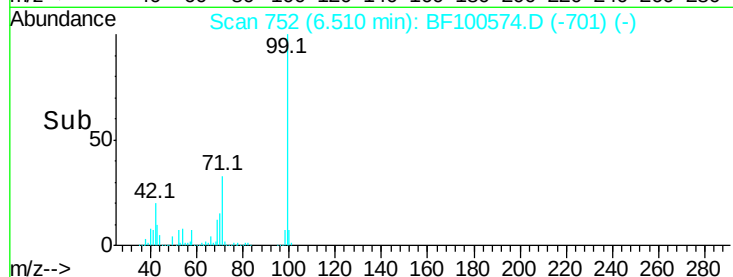
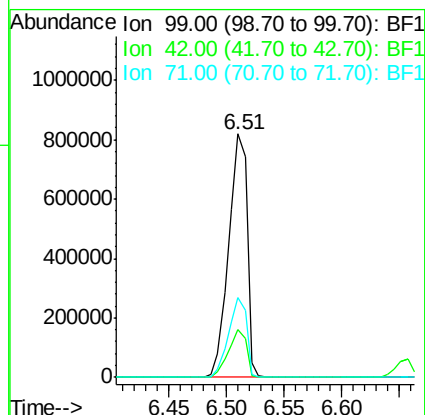
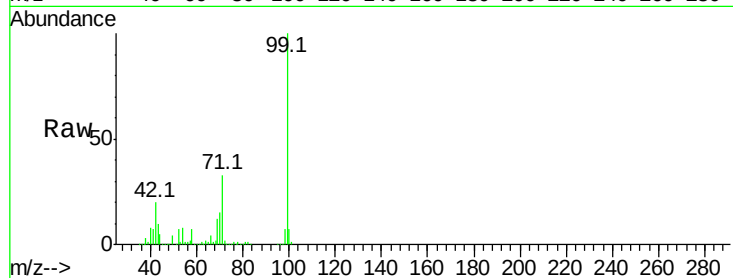
Tot Ion: 99 Resp: 906009

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

71 33.0 25.4 38.0



#9

Benzaldehyde

Concen: 3.122 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

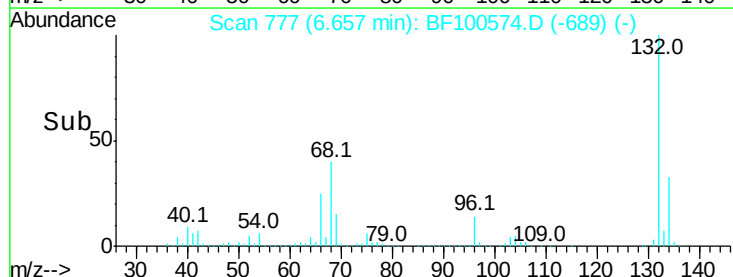
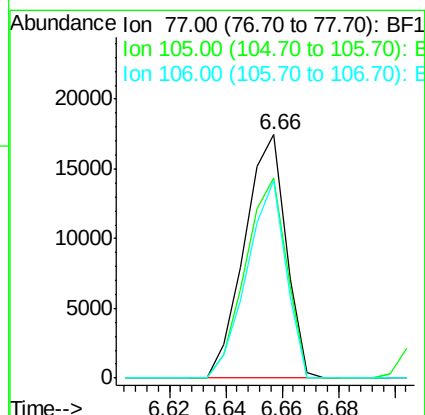
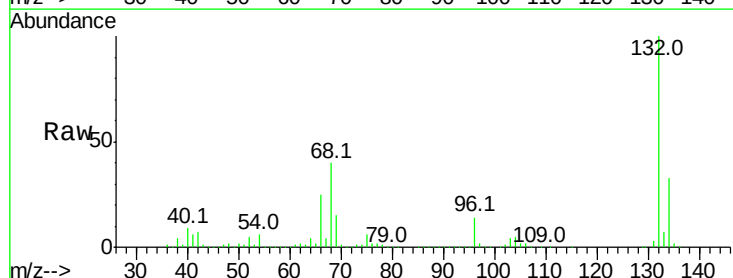
Tgt Ion: 77 Resp: 17780

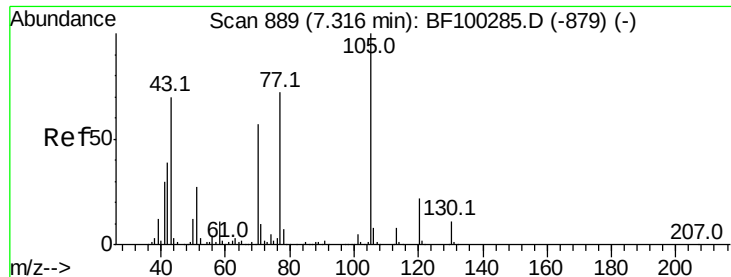
Ion Ratio Lower Upper

77 100

105 82.2 81.1 121.1

106 81.2 74.5 114.5

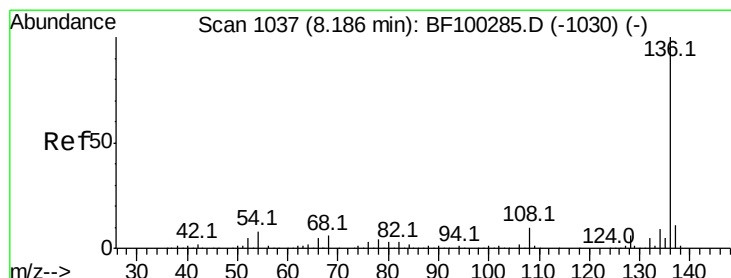
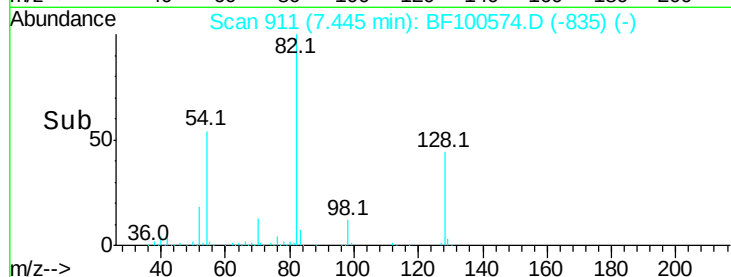
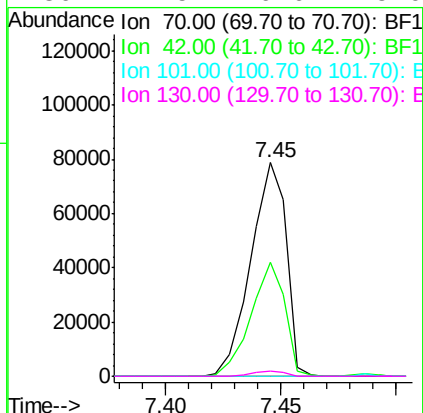
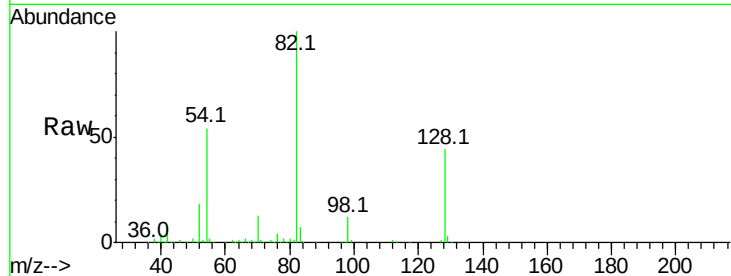




#19
n-Nitroso-di-n-propylamine
Concen: 15.297 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

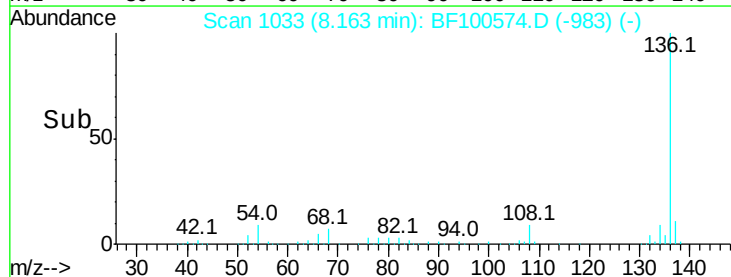
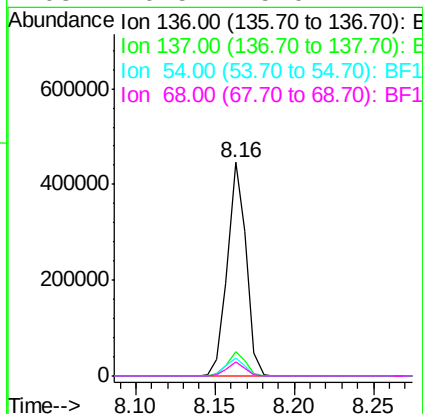
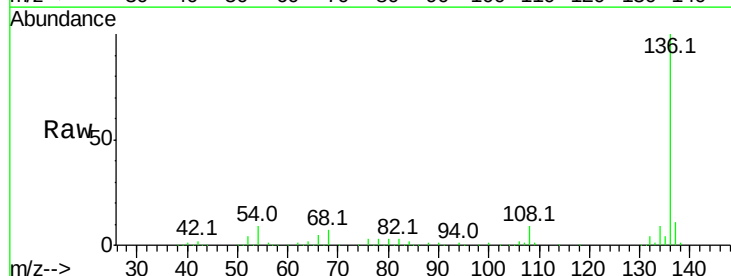
Instrument :
BNA_F
ClientSampleId :

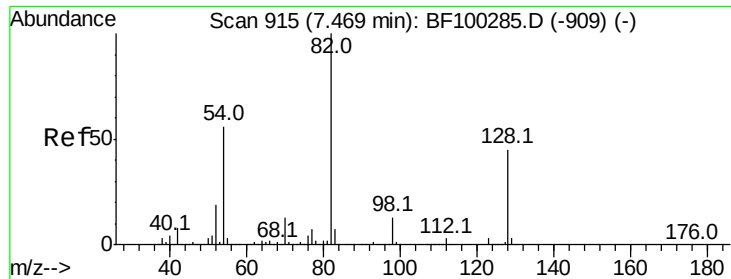
Tot Ion: 70 Resp: 84612
Ion Ratio Lower Upper
70 100
42 53.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

Tgt Ion:136 Resp: 366133
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.6 6.6 9.8
68 6.5 5.0 7.4

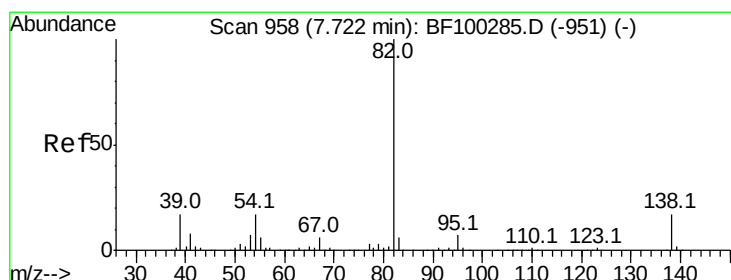
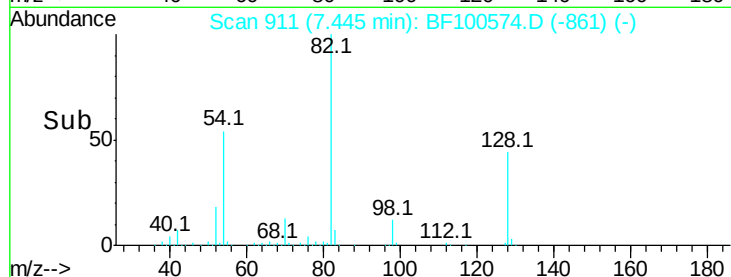
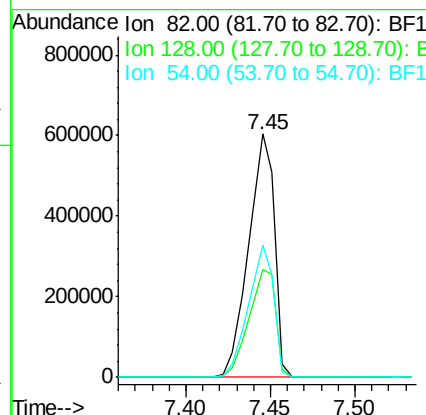
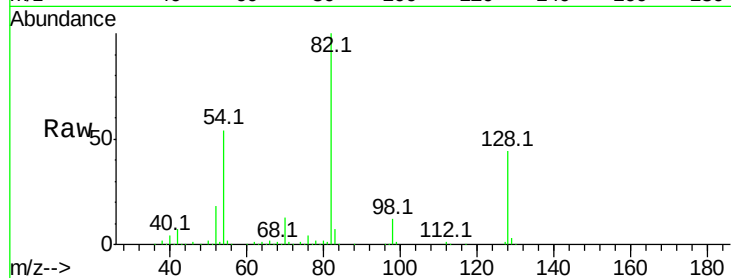




#23
 Nitrobenzene-d5
 Concen: 116.814 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF100574.D
 Acq: 15 Nov 2017 7:27

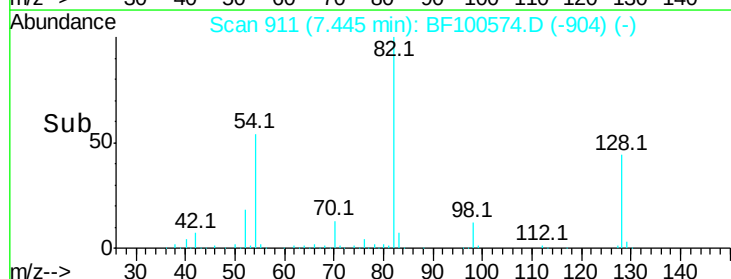
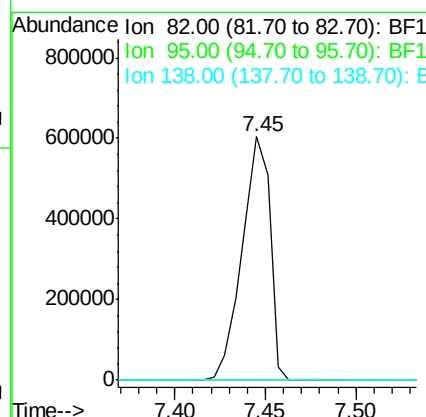
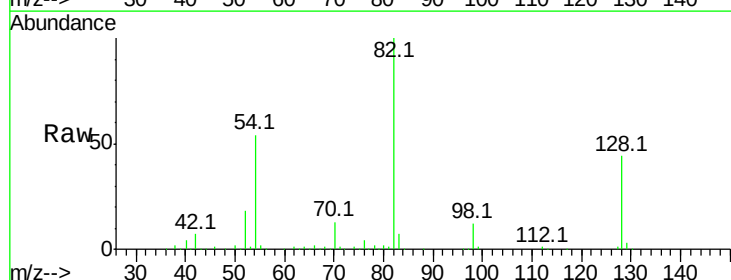
Instrument :
 BNA_F
 ClientSampleId :

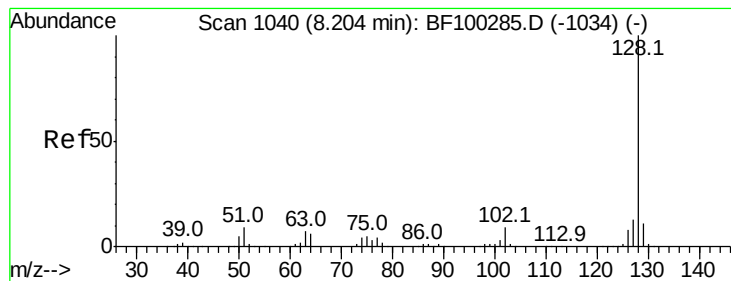
Tot Ion	82	Resp	646911
Ion Ratio	100	Lower	Upper
128	44.4	36.1	54.1
54	54.2	41.4	62.2



#25
 Isophorone
 Concen: 55.587 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.26 min
 Lab File: BF100574.D
 Acq: 15 Nov 2017 7:27

Tgt Ion	82	Resp	646902
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#31

Naphthalene

Concen: 2.169 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

Instrument :

BNA_F

ClientSampleId :

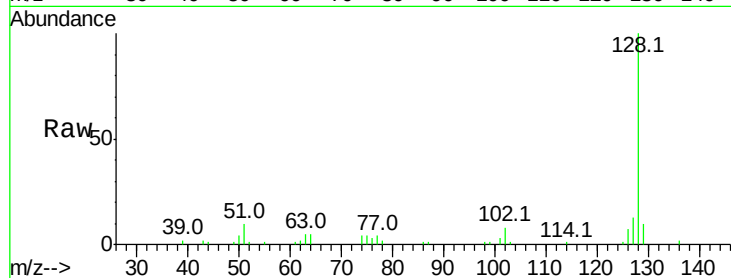
Tot Ion:128 Resp: 38247

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

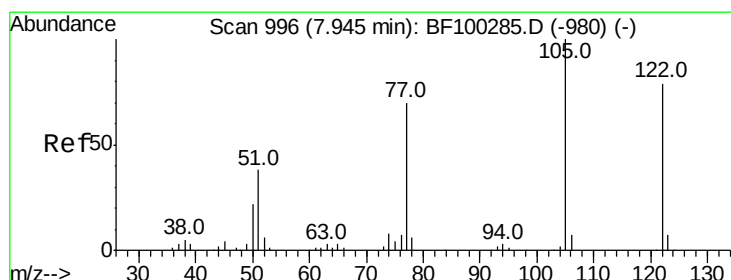
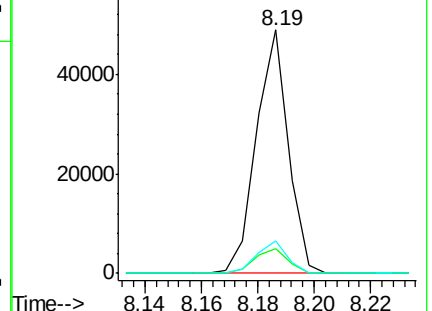
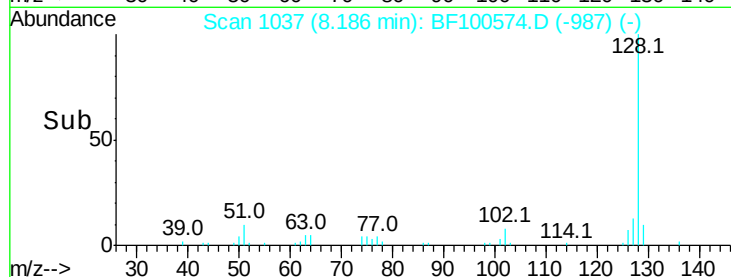
127 13.1 10.9 16.3



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



#32

Benzoic acid

Concen: 9.421 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.08 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

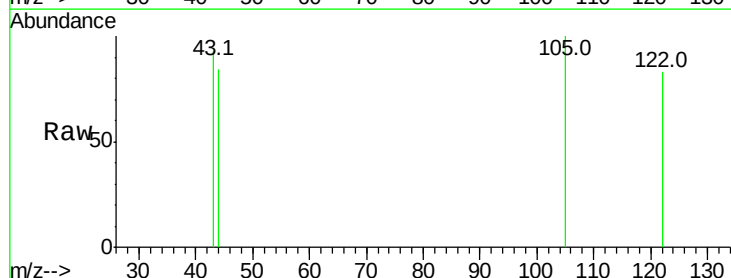
Tgt Ion:122 Resp: 250

Ion Ratio Lower Upper

122 100

105 120.3 101.1 141.1

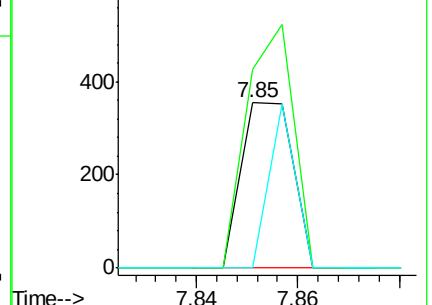
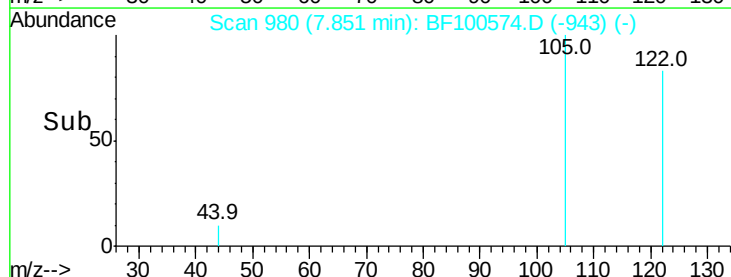
77 0.0 70.7 110.7#

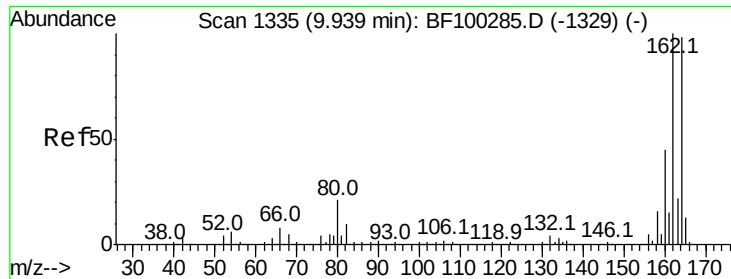


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

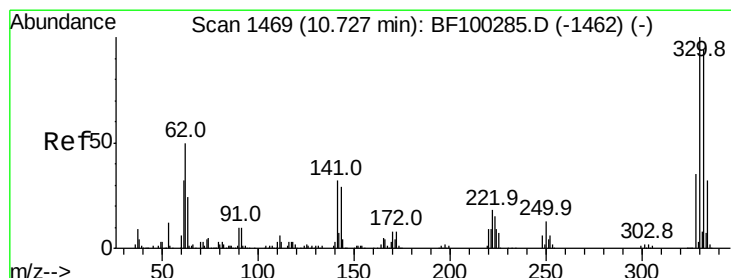
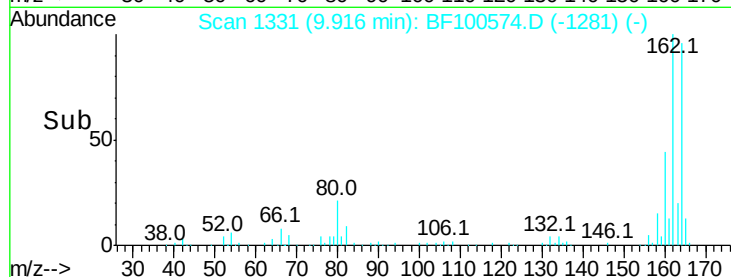
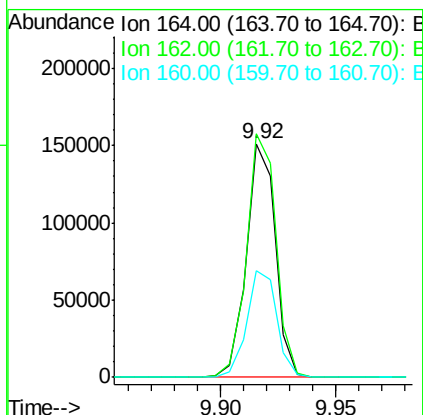
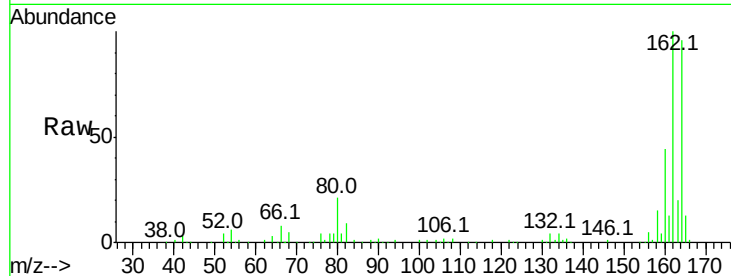




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100574.D
 Acq: 15 Nov 2017 7:27

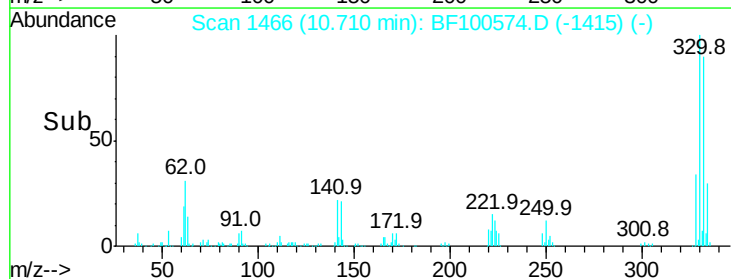
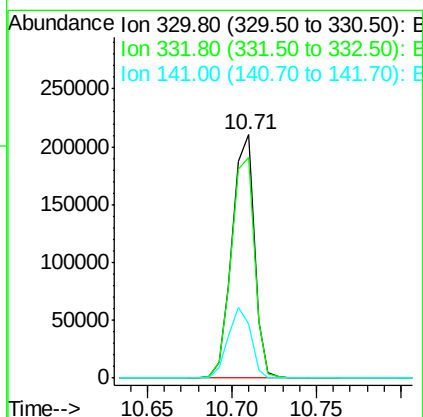
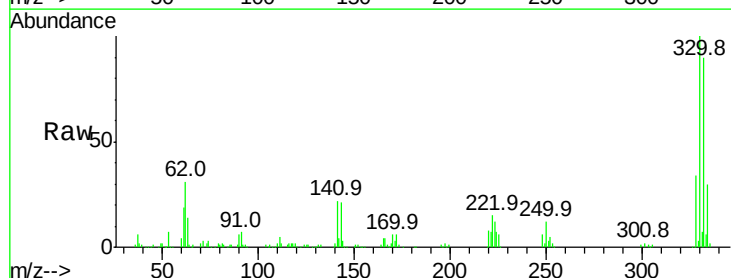
Instrument :
 BNA_F
 ClientSampleId :

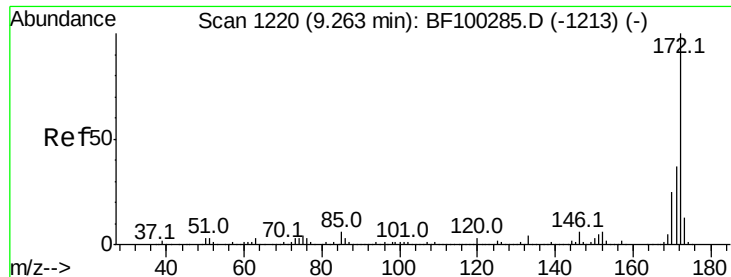
Tot Ion:164 Resp: 132784
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 143.191 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF100574.D
 Acq: 15 Nov 2017 7:27

Tgt Ion:330 Resp: 193748
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.0 115.6
 141 29.4 29.9 44.9#



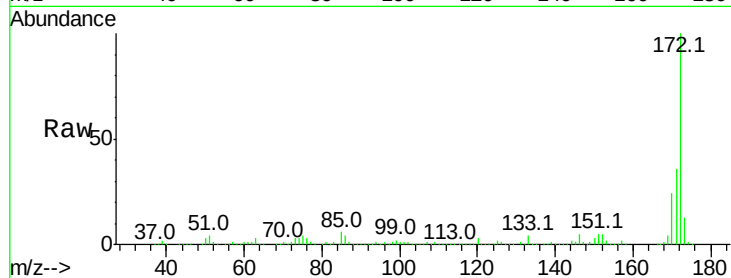


#44
 2-Fluorobiphenyl
 Concen: 118.985 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF100574.D
 Acq: 15 Nov 2017 7:27

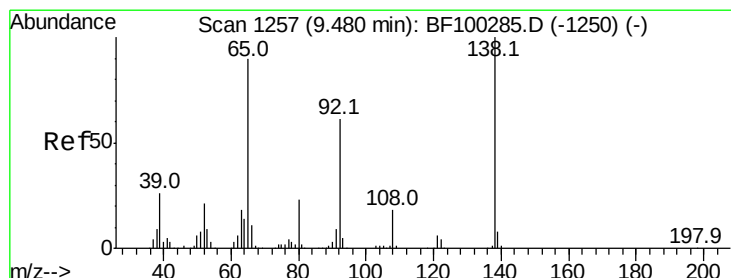
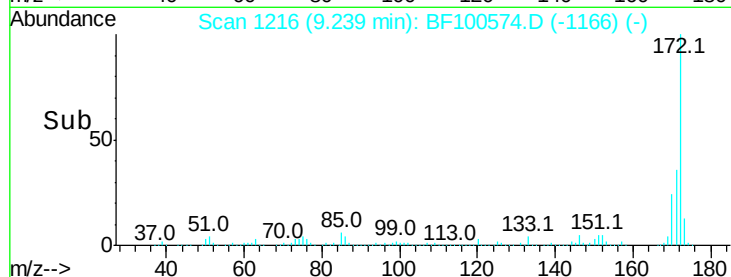
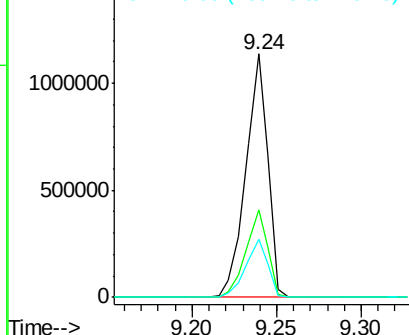
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1037580

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.7	19.6	29.4



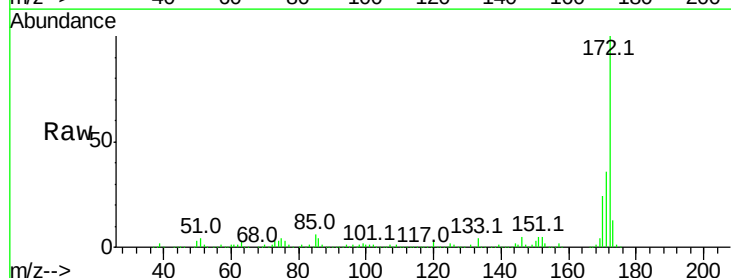
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



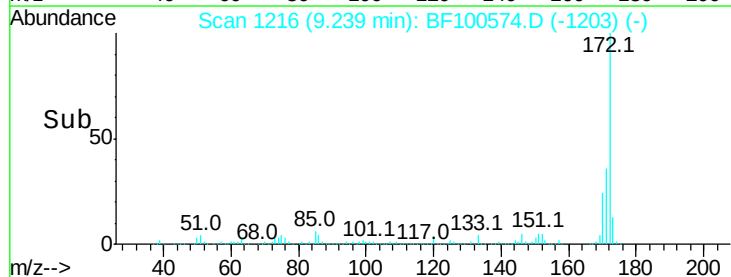
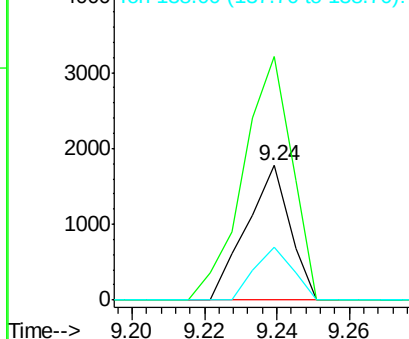
#47
 2-Nitroaniline
 Concen: 3.350 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF100574.D
 Acq: 15 Nov 2017 7:27

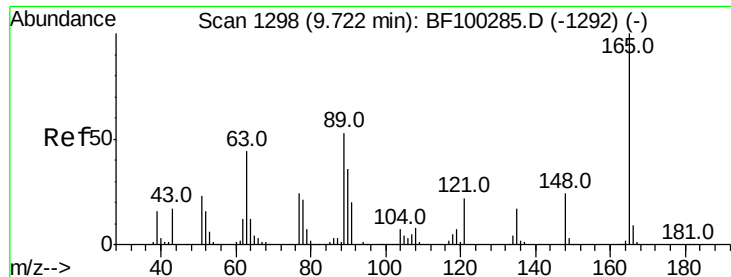
Tgt Ion: 65 Resp: 1480

Ion	Ratio	Lower	Upper
65	100		
92	181.1	55.8	83.6#
138	39.5	91.2	136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#50

2,6-Dinitrotoluene

Concen: 8.581 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

Instrument :

BNA_F

ClientSampled :

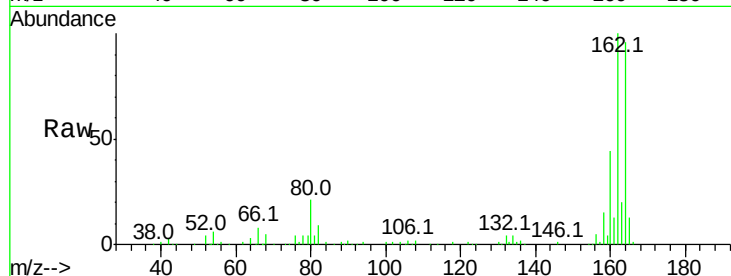
Tot Ion:165 Resp: 17220

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

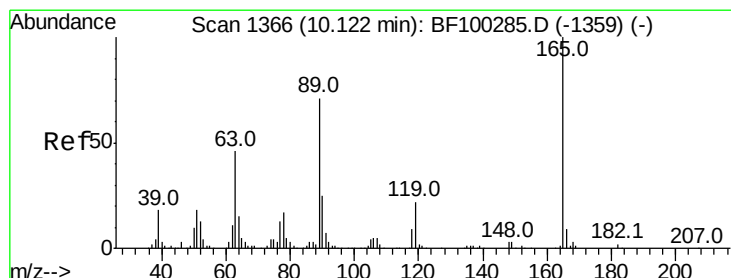
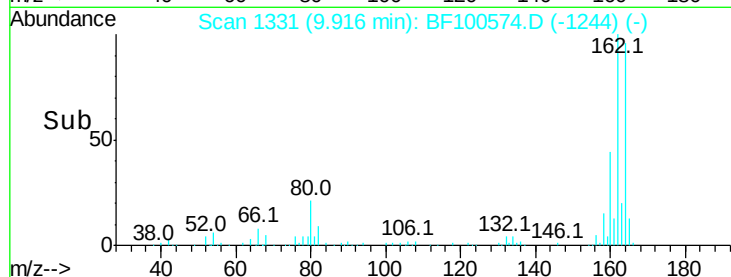
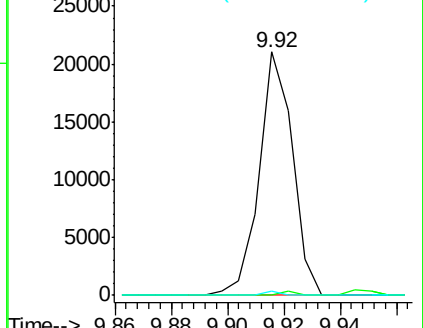
89 1.6 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.802 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

Tgt Ion:165 Resp: 17220

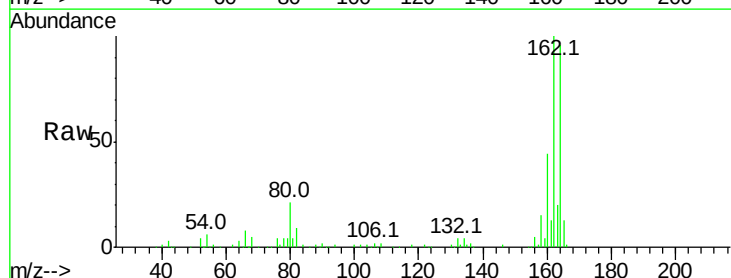
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

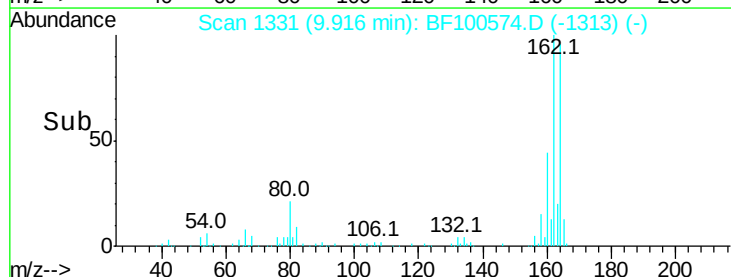
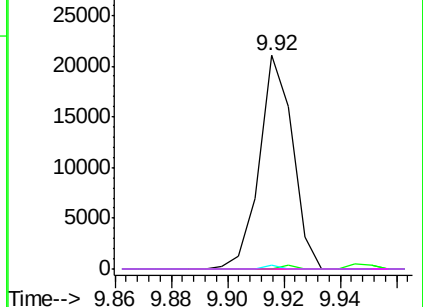


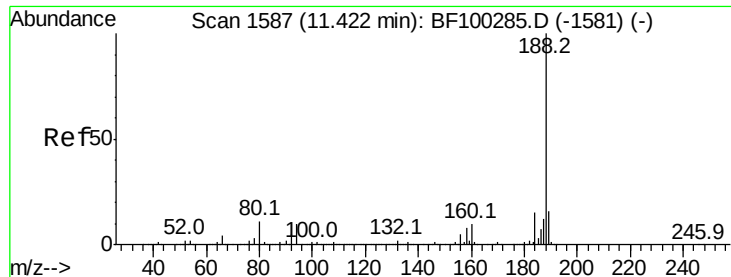
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

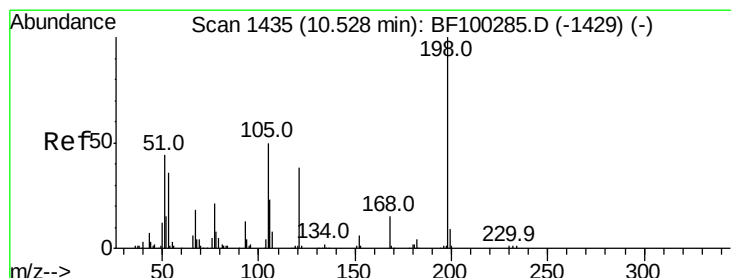
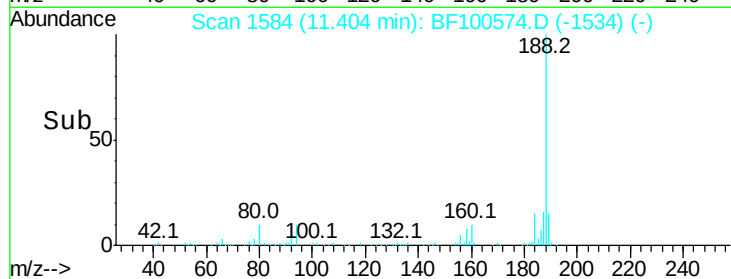
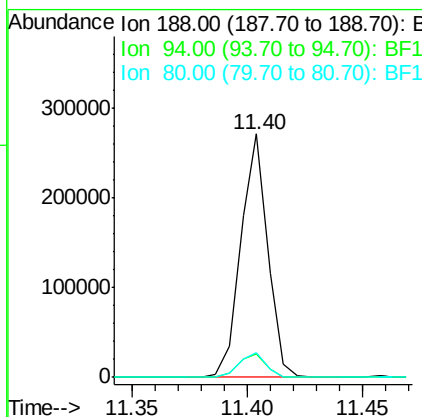
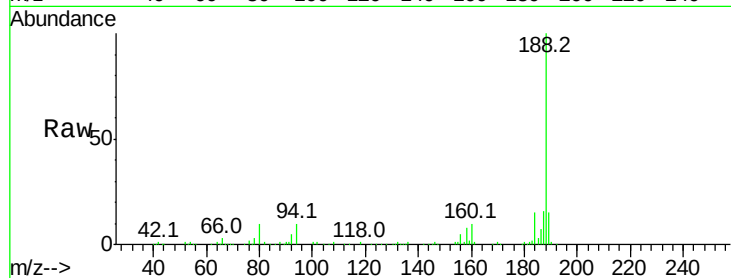




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

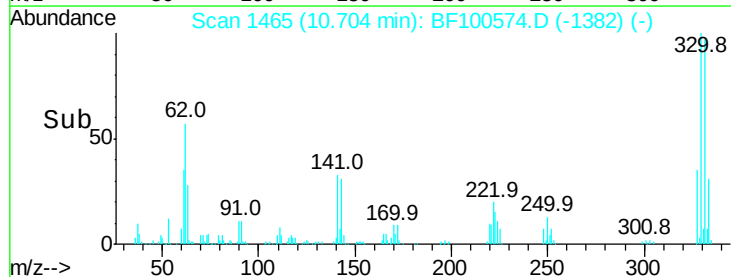
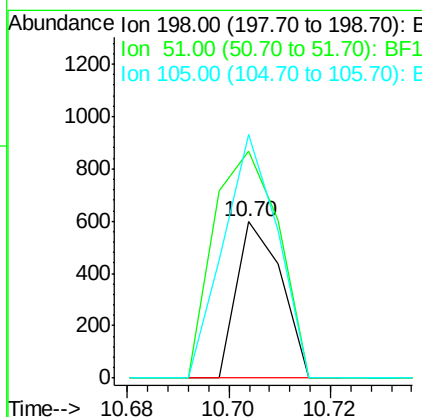
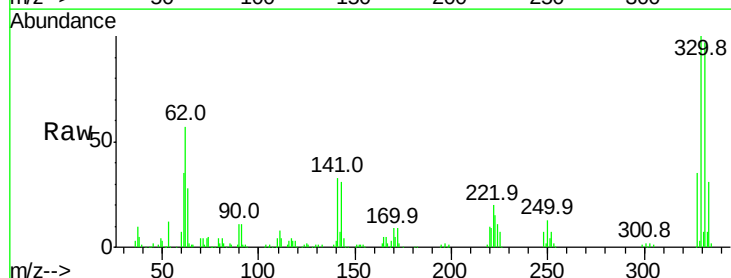
Instrument :
BNA_F
ClientSampleId :

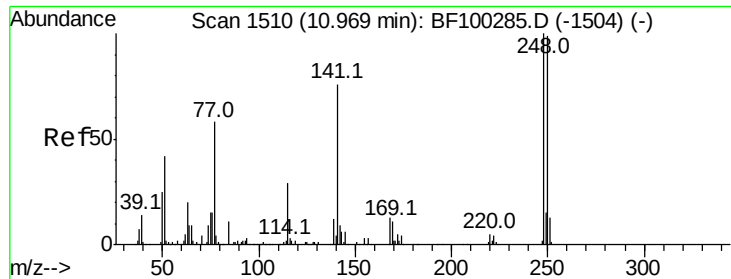
Tot Ion:188 Resp: 219857
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.841 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

Tgt Ion:198 Resp: 366
Ion Ratio Lower Upper
198 100
51 145.3 37.7 77.7#
105 155.7 36.3 76.3#

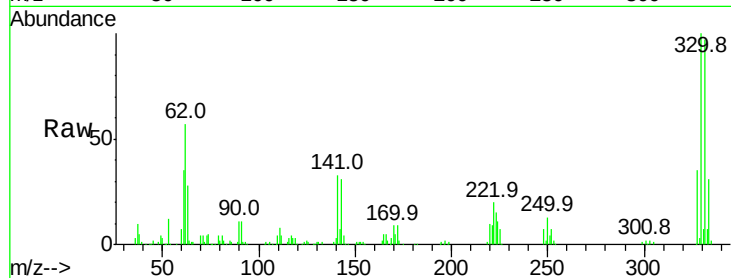




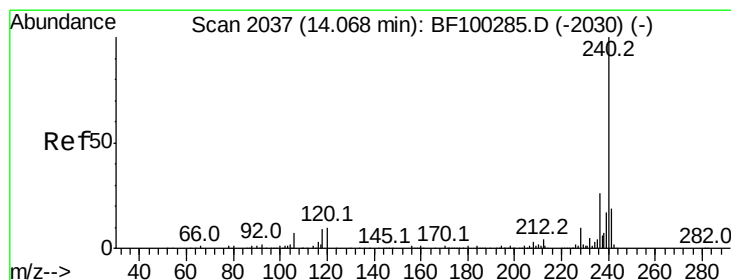
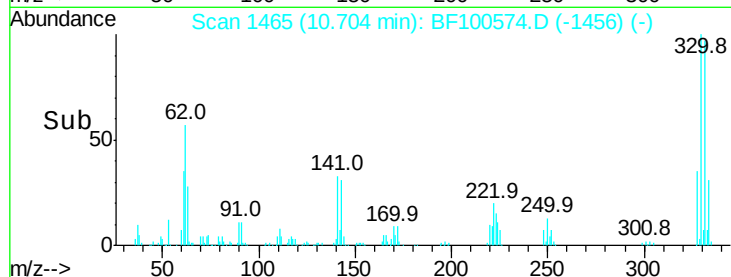
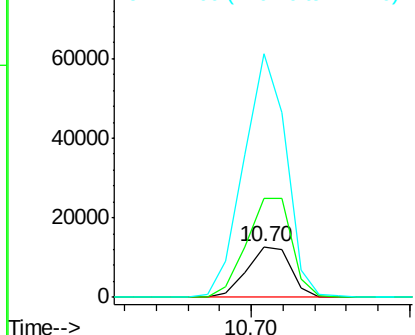
#66
4-Bromophenyl-phenylether
Concen: 5.123 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.25 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 12073
Ion Ratio Lower Upper
248 100
250 196.1 76.9 115.3#
141 482.8 74.4 111.6#

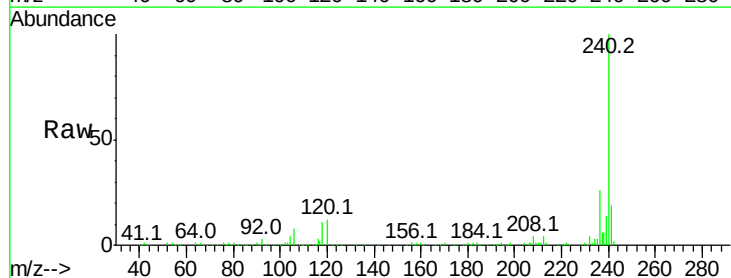


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

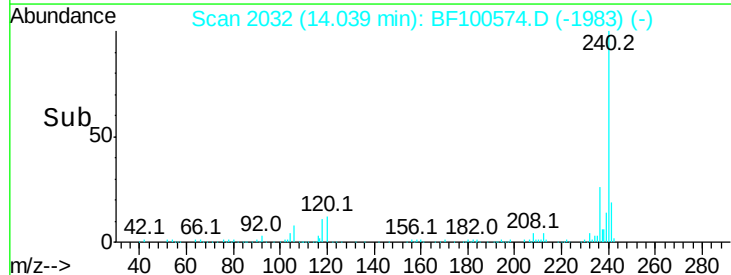
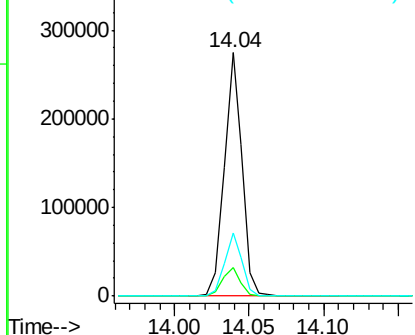


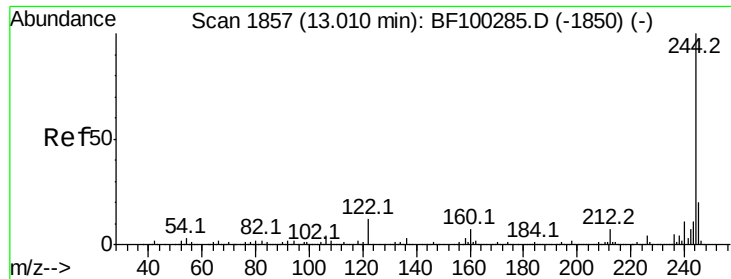
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100574.D
Acq: 15 Nov 2017 7:27

Tgt Ion:240 Resp: 230184
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 26.1 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





#78

Terphenyl-d14

Concen: 90.222 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

Instrument :

BNA_F

ClientSampleId :

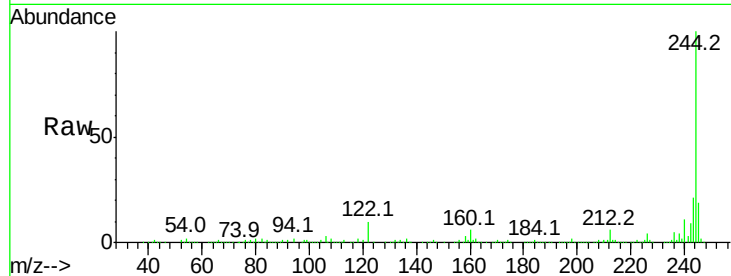
Tot Ion:244 Resp: 903838

Ion Ratio Lower Upper

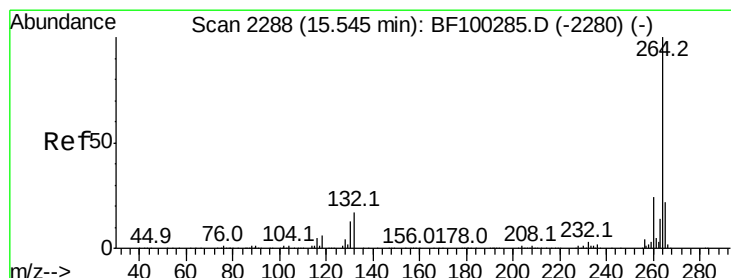
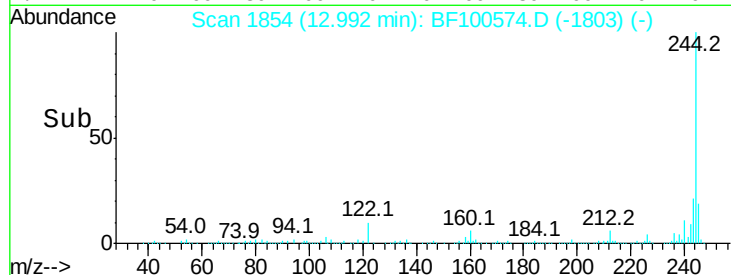
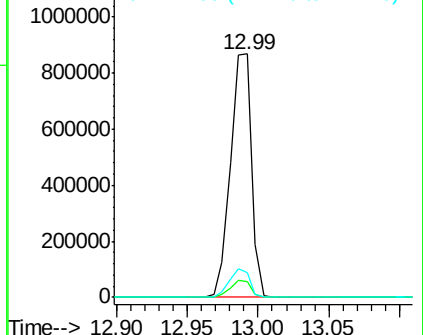
244 100

212 6.4 5.4 8.0

122 10.1 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: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF100574.D

Acq: 15 Nov 2017 7:27

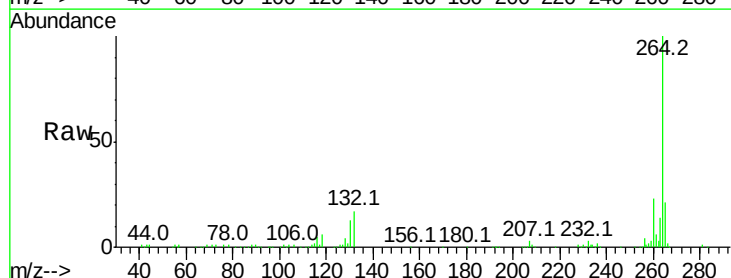
Tgt Ion:264 Resp: 148912

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.3 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

