

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020718\
 Data File : BF102814.D
 Acq On : 7 Feb 2018 14:41
 Operator : SJ/JU
 Sample : J1455-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 02:15:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	179256	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	748417	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	339961	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	606351	20.00	ng	0.00
75) Chrysene-d12	14.04	240	466874	20.00	ng	0.00
86) Perylene-d12	15.52	264	364557	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	699370	59.25	ng	0.00
7) Phenol-d6	6.50	99	532388	37.46	ng	0.00
23) Nitrobenzene-d5	7.45	82	1034265	95.87	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	384419	140.49	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1754066	85.62	ng	0.00
78) Terphenyl-d14	12.99	244	1621523	82.24	ng	0.00

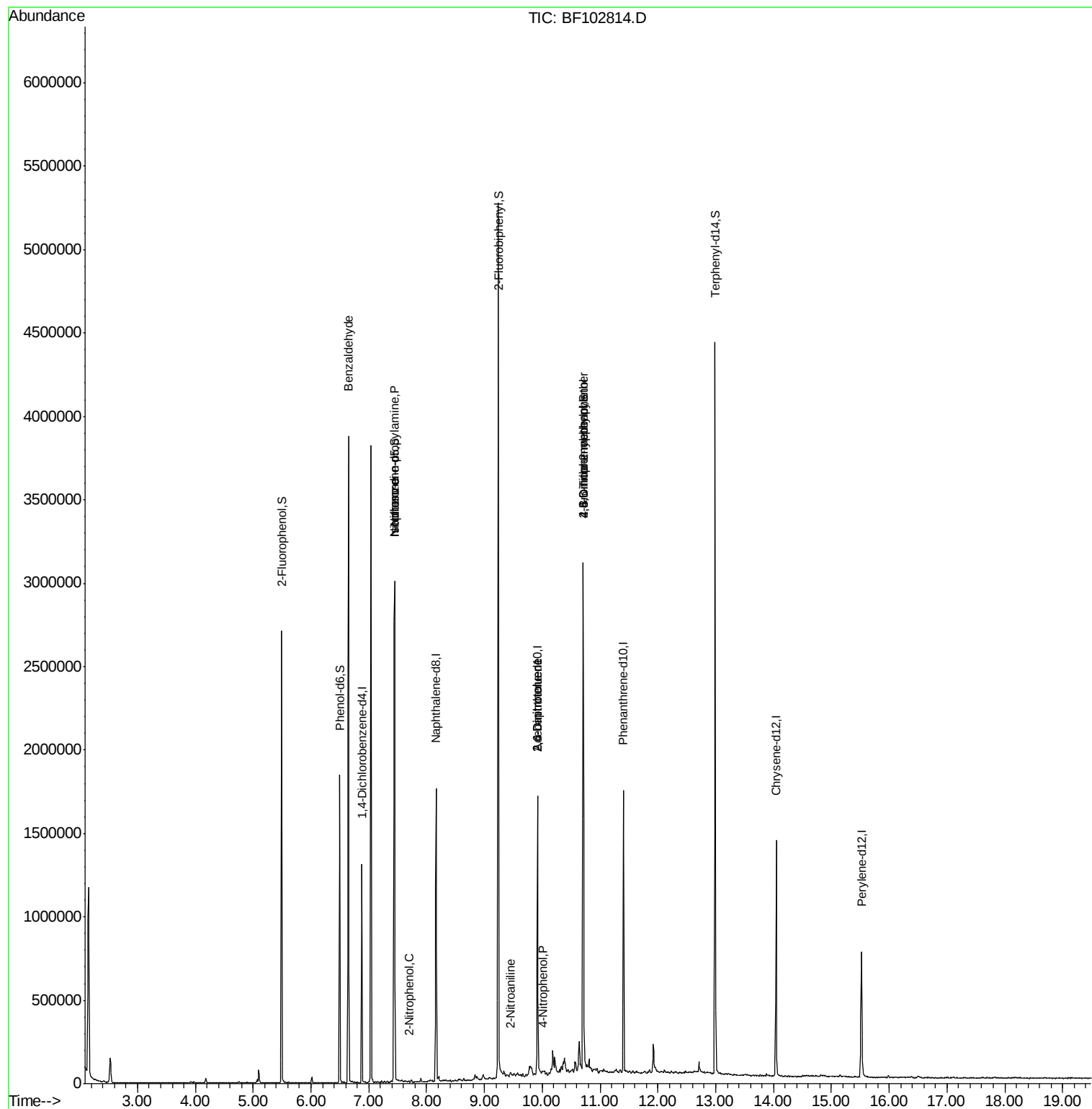
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	24568	2.33	ng	# 73
19) n-Nitroso-di-n-propylamine	7.45	70	137979	14.72	ng	# 82
25) Isophorone	7.45	82	1034254	41.63	ng	# 64
26) 2-Nitrophenol	7.70	139	414	8.73	ng	# 34
47) 2-Nitroaniline	9.44	65	566	3.55	ng	# 2
50) 2,6-Dinitrotoluene	9.92	165	44662	8.86	ng	# 26
55) 4-Nitrophenol	10.02	139	474	4.11	ng	# 13
56) 2,4-Dinitrotoluene	9.92	165	44662	9.26	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	687	9.04	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	25173	3.92	ng	# 1

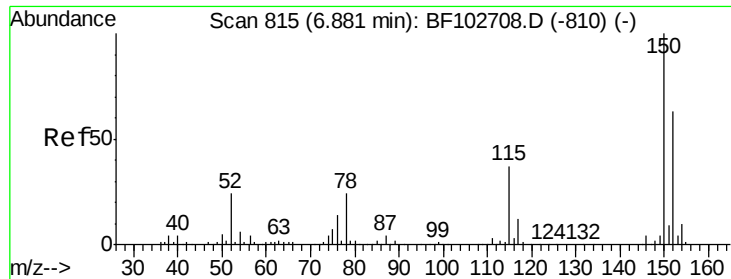
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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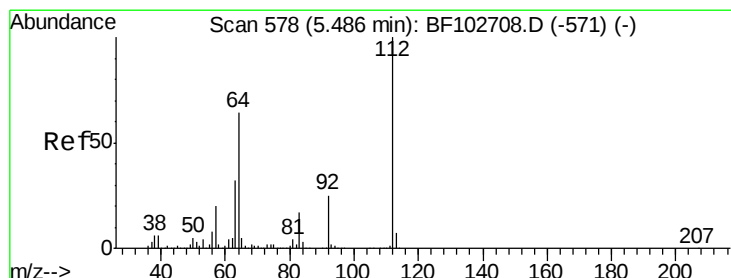
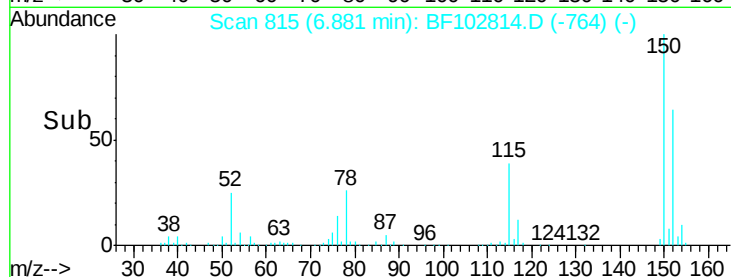
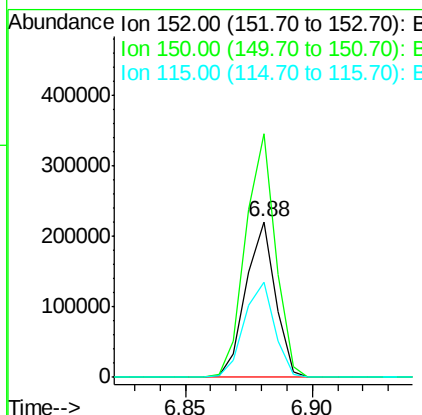
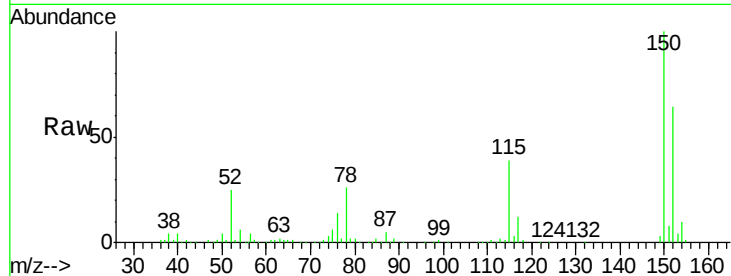


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102814.D
Acq: 7 Feb 2018 14:41

Instrument :
BNA_F
ClientSampleId :

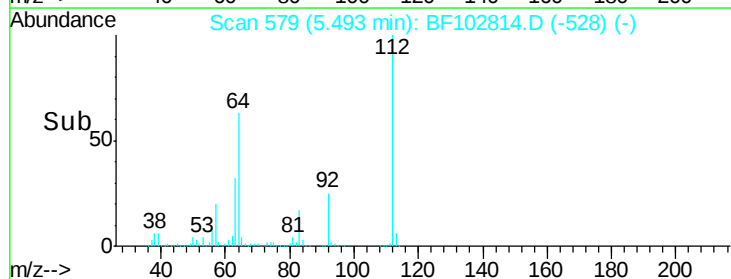
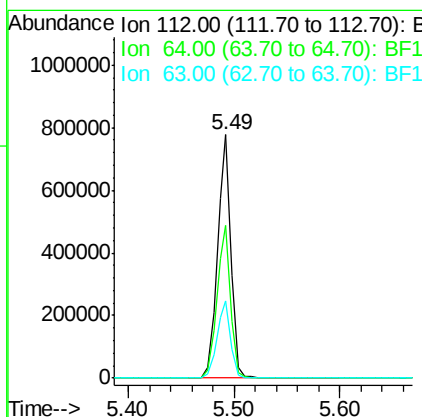
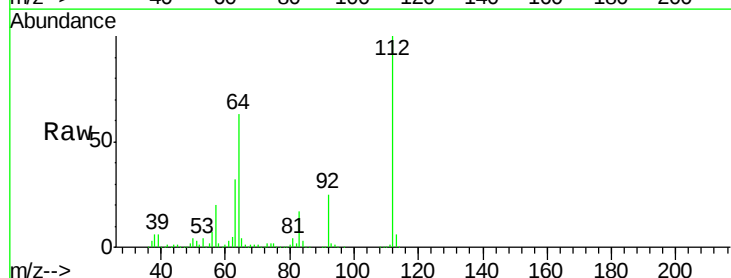
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	61.2	50.1	75.1

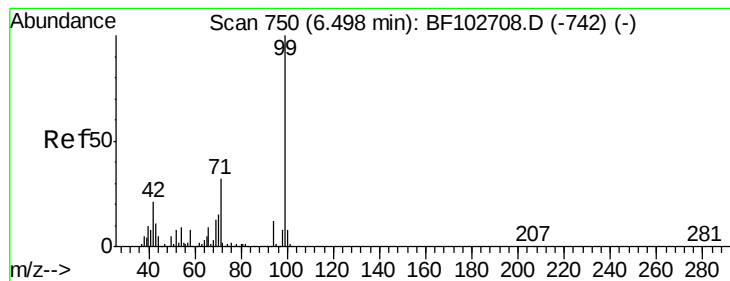


#5

2-Fluorophenol
Concen: 59.25 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF102814.D
Acq: 7 Feb 2018 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	47.9	71.9
63	31.7	23.7	35.5





#7

Phenol-d6

Concen: 37.46 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA_F

ClientSampleId :

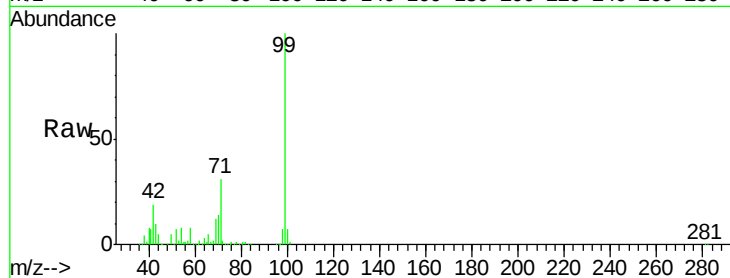
Tot Ion: 99 Resp: 532388

Ion Ratio Lower Upper

99 100

42 19.0 14.5 21.7

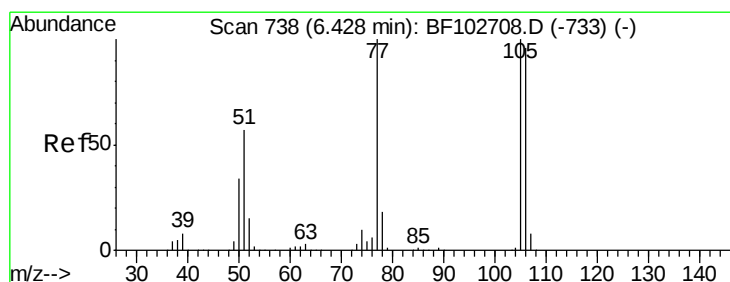
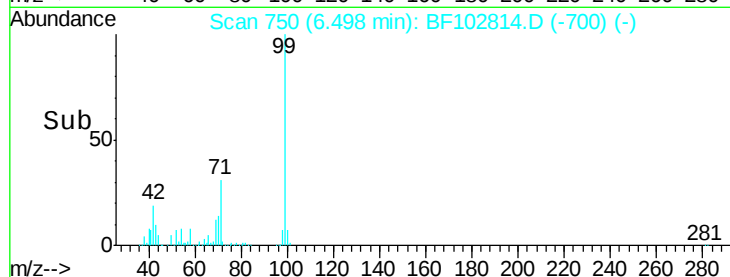
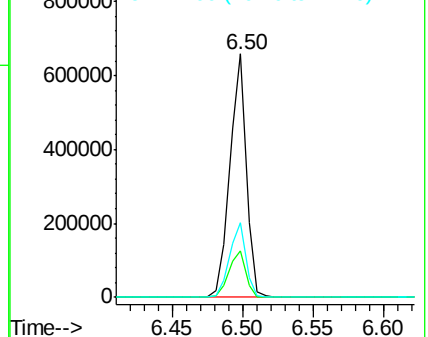
71 30.9 25.4 38.0



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: 2.33 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

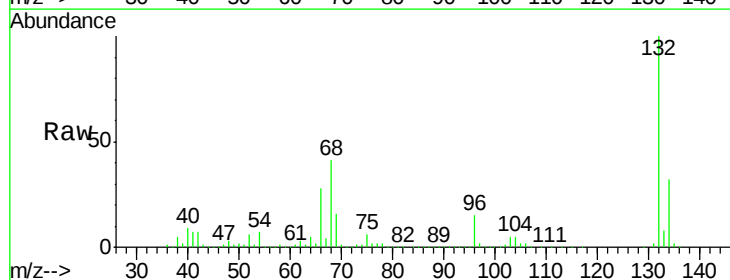
Tgt Ion: 77 Resp: 24568

Ion Ratio Lower Upper

77 100

105 71.8 81.1 121.1#

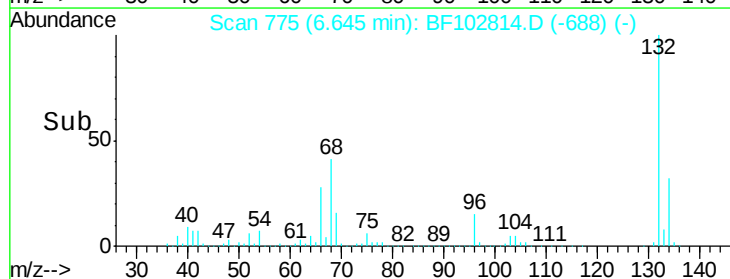
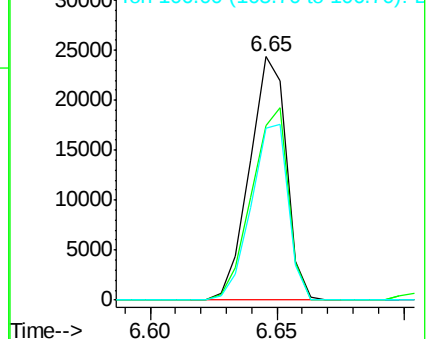
106 70.5 74.5 114.5#

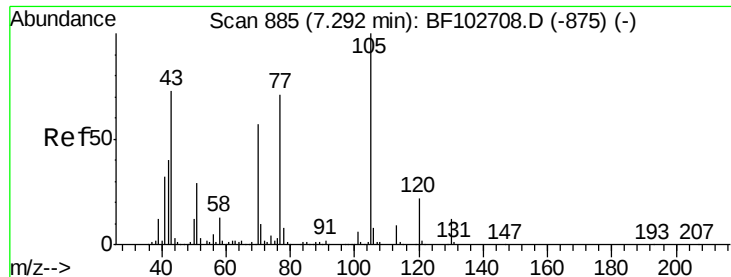


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 14.72 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 137979

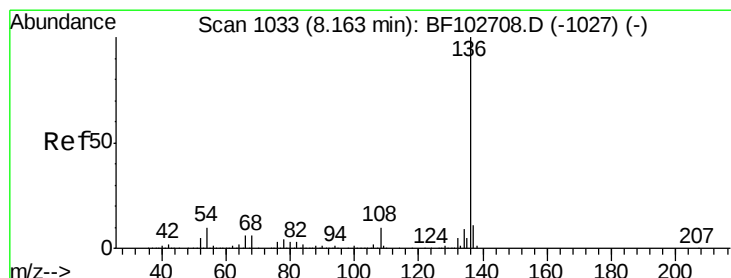
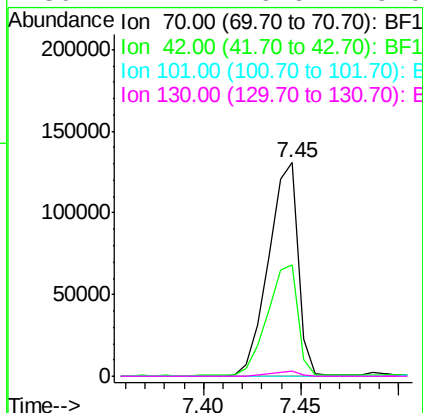
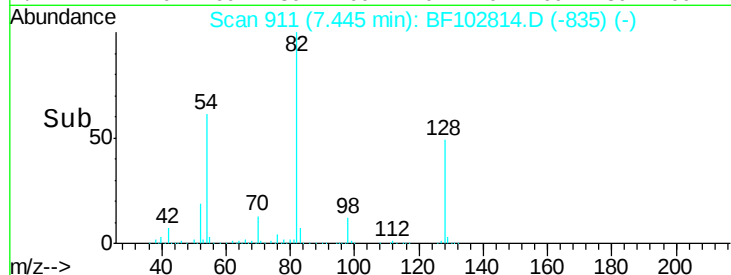
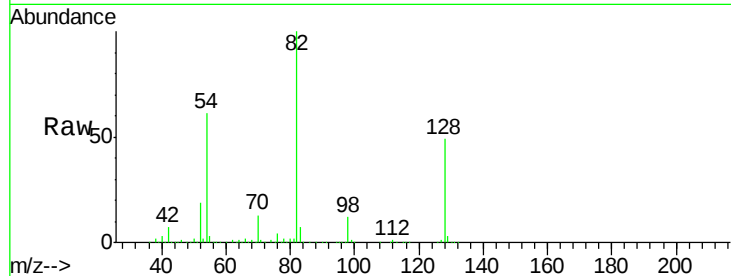
Ion Ratio Lower Upper

70 100

42 52.2 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# 1033

Delta R.T. -0.01 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Tgt Ion: 136 Resp: 748417

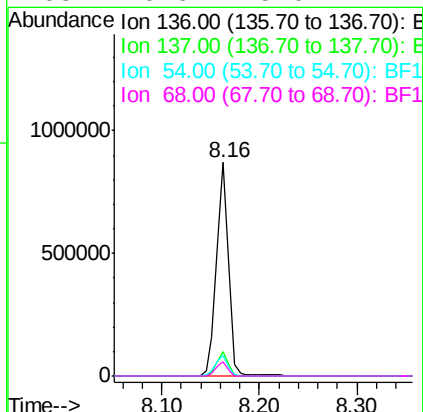
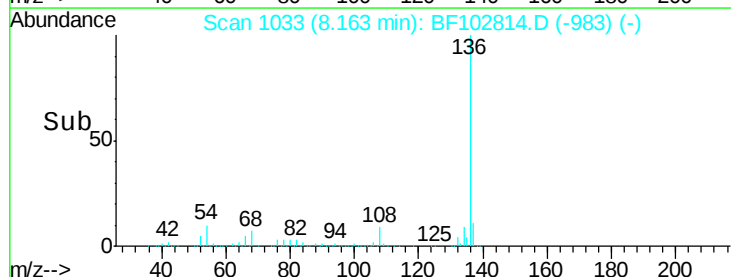
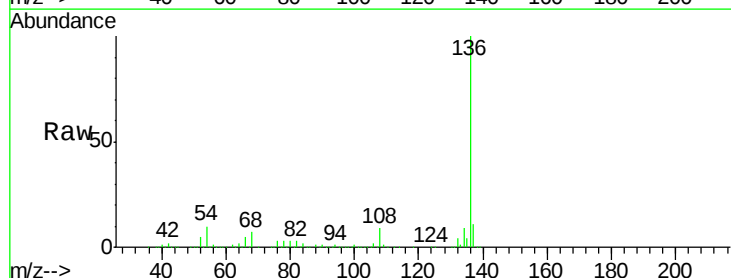
Ion Ratio Lower Upper

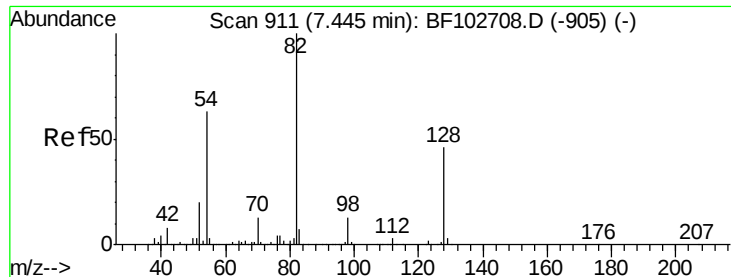
136 100

137 11.2 8.9 13.3

54 9.6 6.6 9.8

68 6.6 5.0 7.4

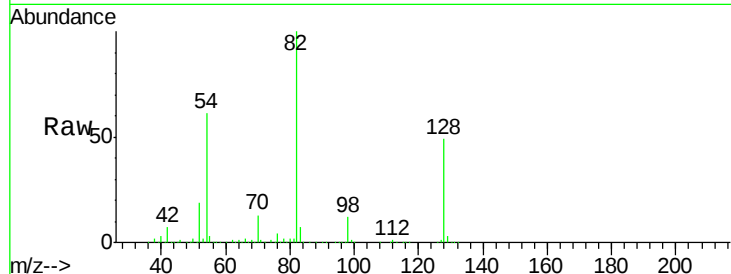




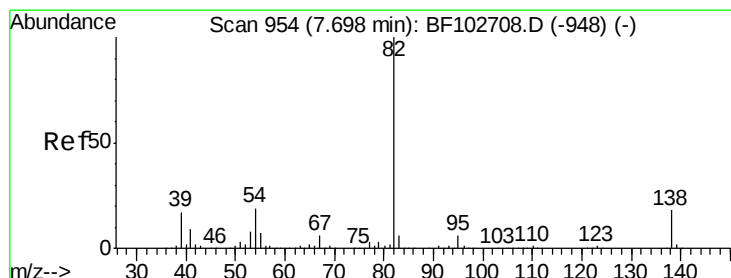
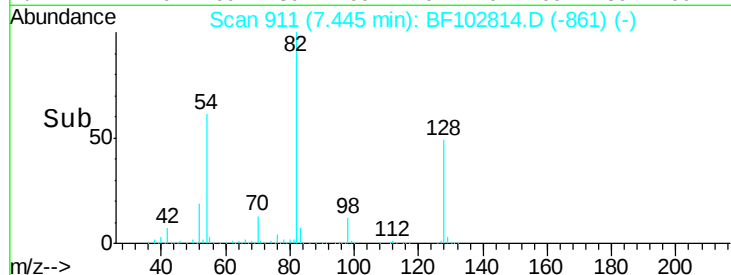
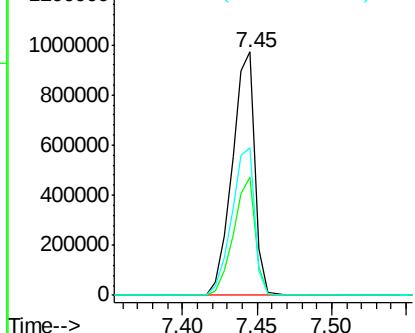
#23
Nitrobenzene-d5
Concen: 95.87 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102814.D
Acq: 7 Feb 2018 14:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1034265
Ion Ratio Lower Upper
82 100
128 48.5 36.1 54.1
54 60.6 41.4 62.2

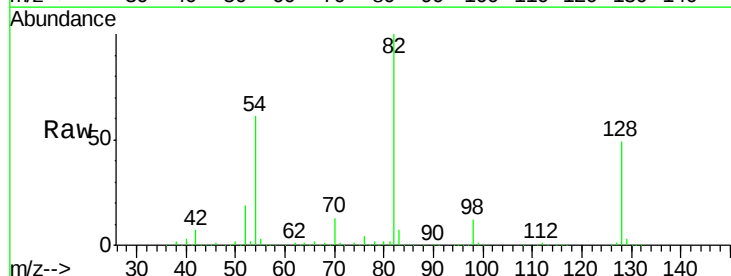


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

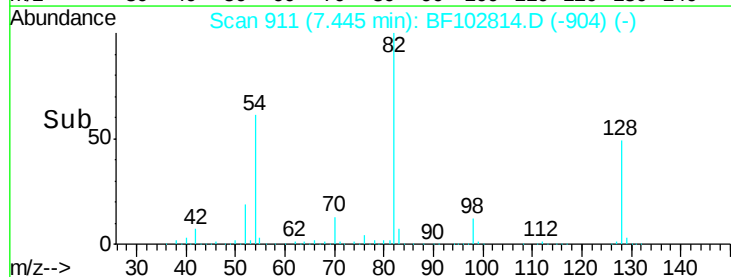
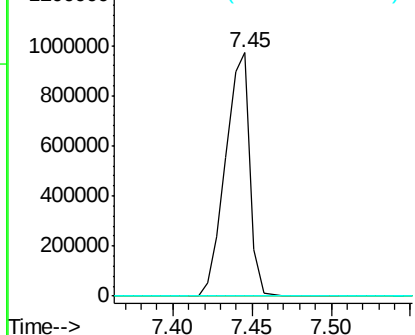


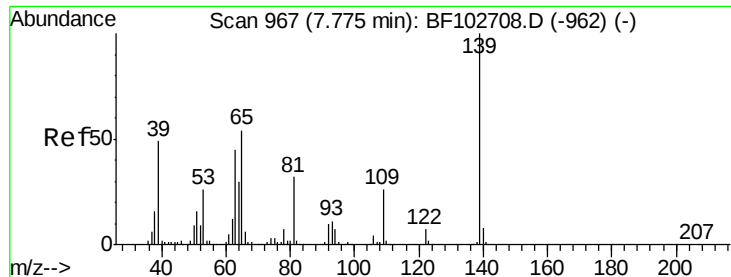
#25
Isophorone
Concen: 41.63 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102814.D
Acq: 7 Feb 2018 14:41

Tgt Ion: 82 Resp: 1034254
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





#26

2-Nitrophenol

Concen: 8.73 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.08 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA_F

ClientSampled :

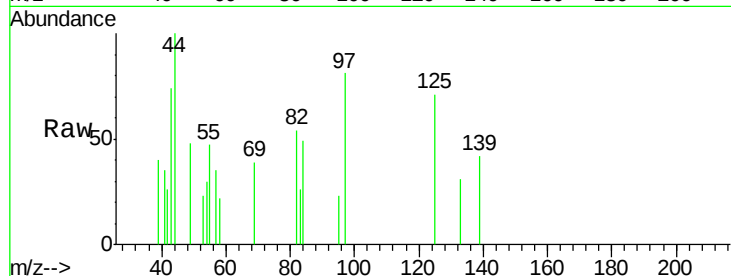
Tot Ion:139 Resp: 414

Ion Ratio Lower Upper

139 100

109 0.0 22.7 34.1#

65 0.0 40.5 60.7#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

7.70

600

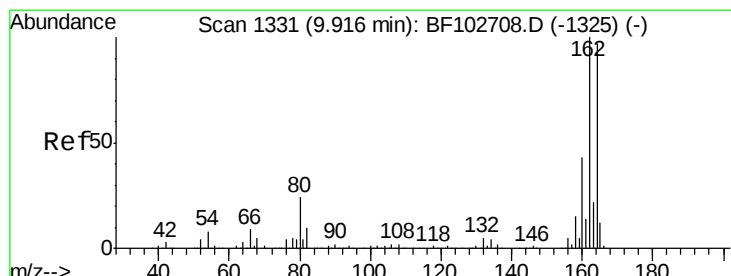
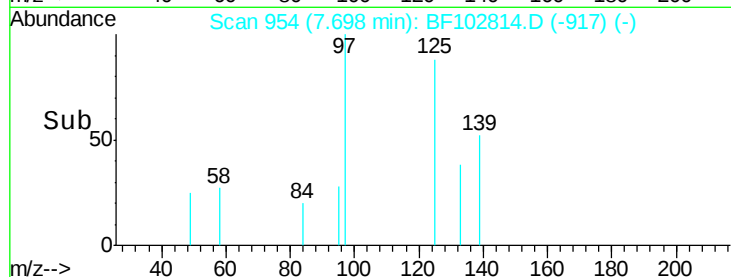
400

200

0

7.68 7.70 7.72

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

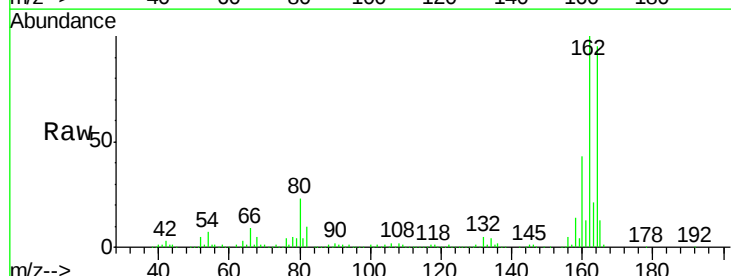
Tgt Ion:164 Resp: 339961

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

160 45.0 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

9.92

500000

400000

300000

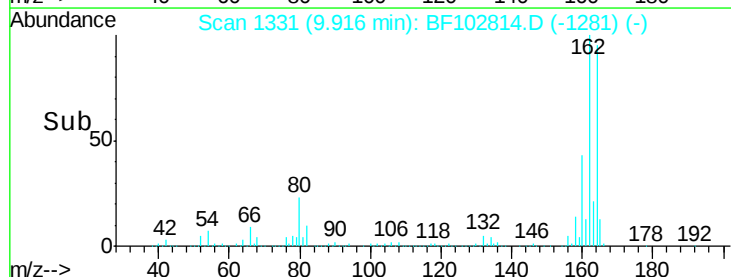
200000

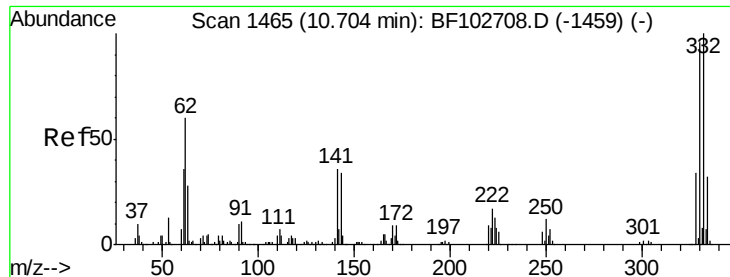
100000

0

9.85 9.90 9.95 10.00

Time-->

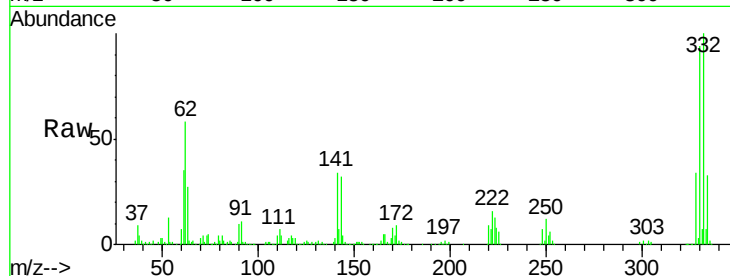




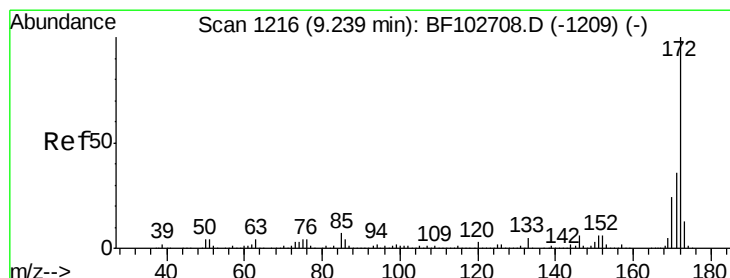
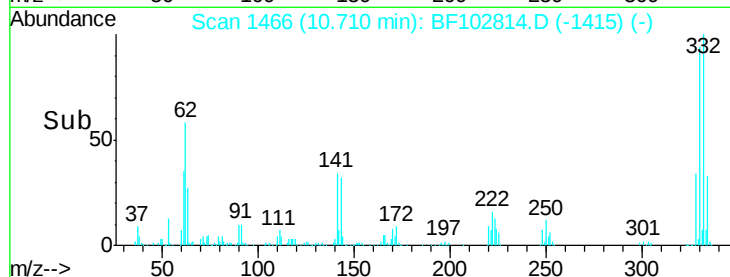
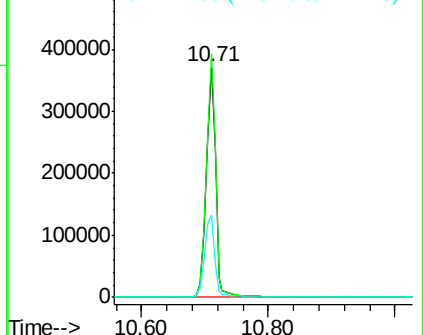
#41
 2,4,6-Tribromophenol
 Concen: 140.49 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102814.D
 Acq: 7 Feb 2018 14:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.2	77.0	115.6
141	37.7	29.9	44.9

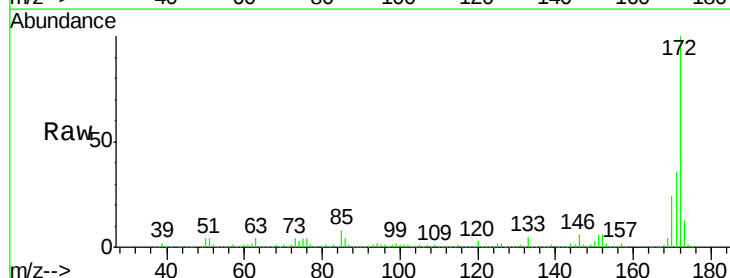


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

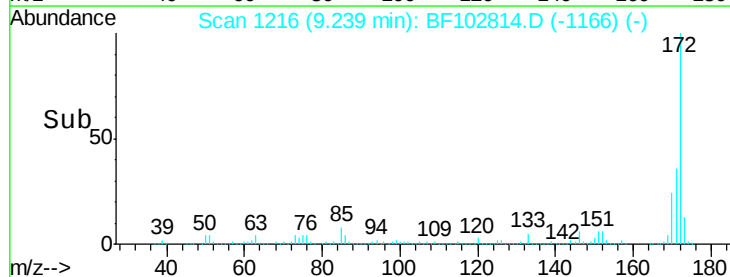
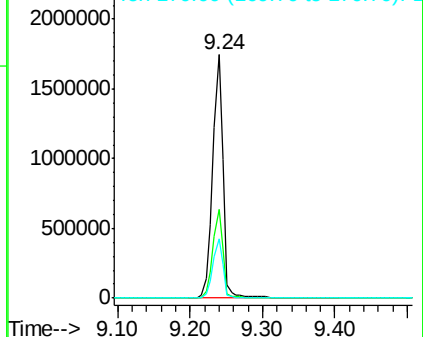


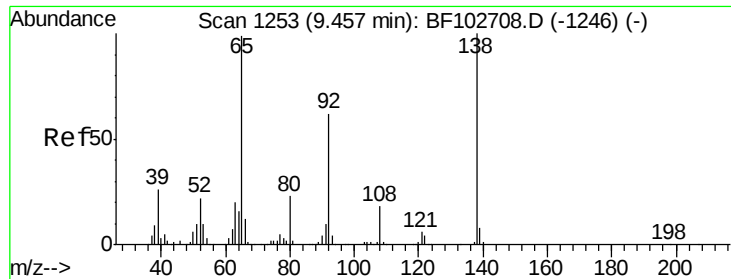
#44
 2-Fluorobiphenyl
 Concen: 85.62 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102814.D
 Acq: 7 Feb 2018 14:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.5	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: 3.55 ng

RT: 9.44 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA_F

ClientSampled :

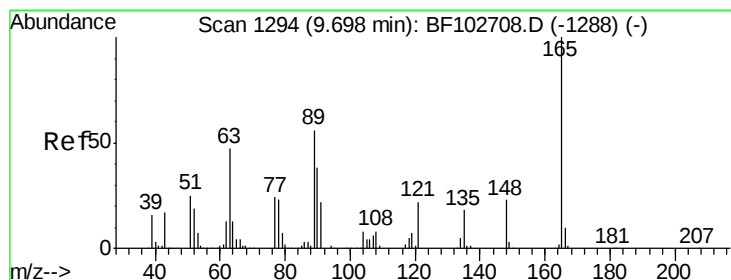
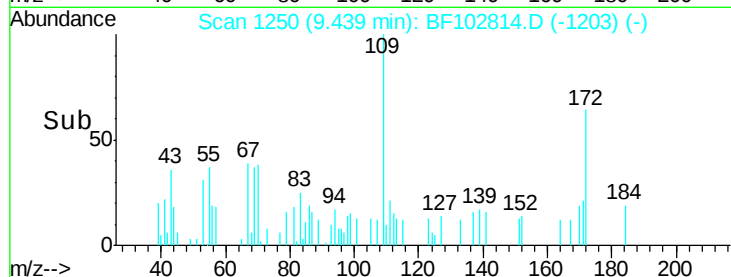
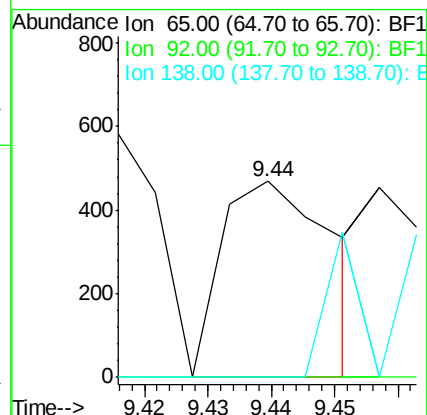
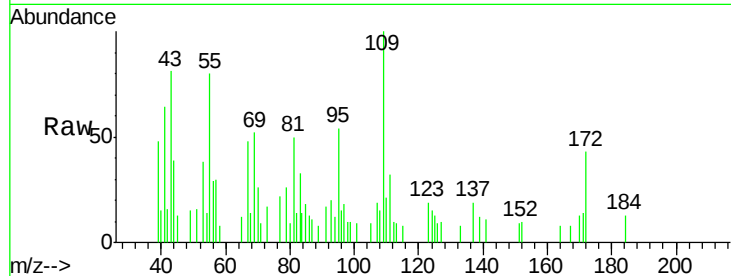
Tot Ion: 65 Resp: 566

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#50

2,6-Dinitrotoluene

Concen: 8.86 ng

RT: 9.92 min Scan# 1331

Delta R.T. 0.21 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

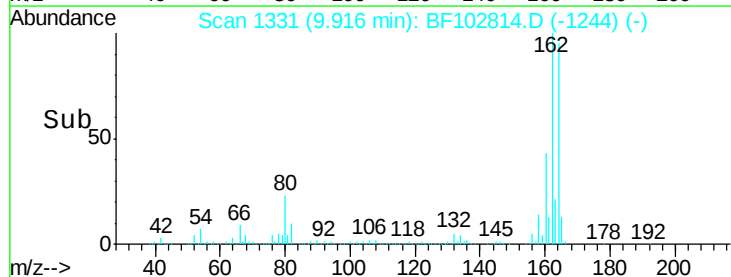
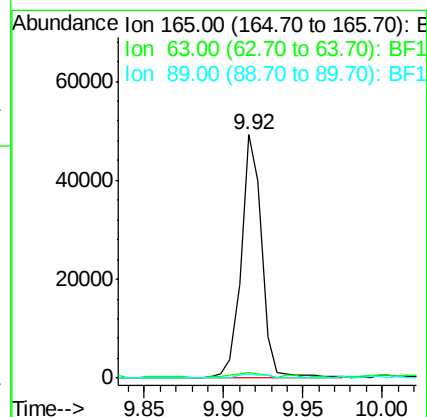
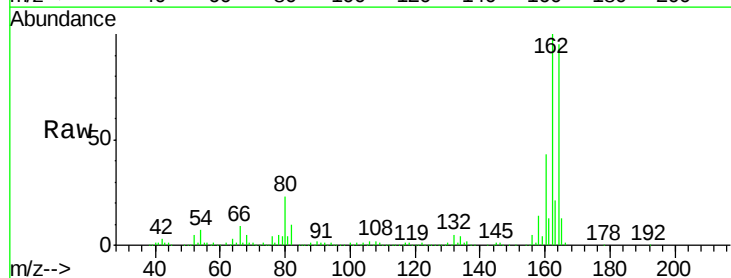
Tgt Ion: 165 Resp: 44662

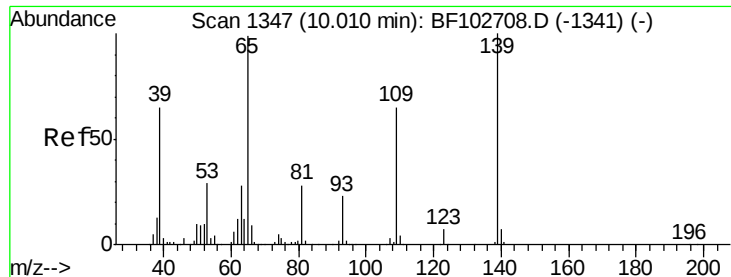
Ion Ratio Lower Upper

165 100

63 2.5 44.7 67.1#

89 1.6 44.0 66.0#





#55

4-Nitrophenol

Concen: 4.11 ng

RT: 10.02 min Scan# 1349

Delta R.T. 0.00 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA_F

ClientSampled :

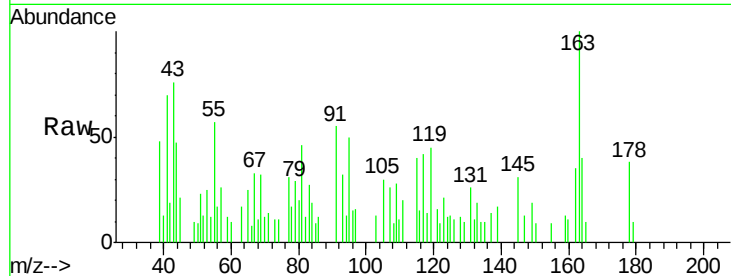
Tot Ion:139 Resp: 474

Ion Ratio Lower Upper

139 100

109 169.1 48.4 88.4#

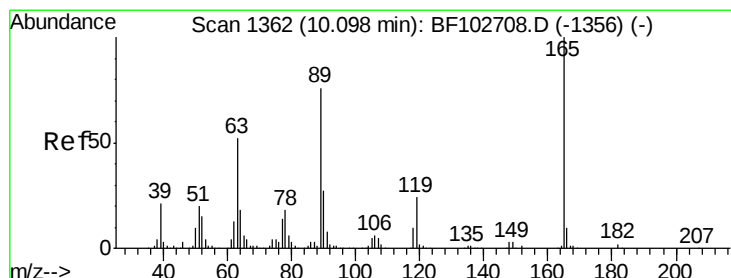
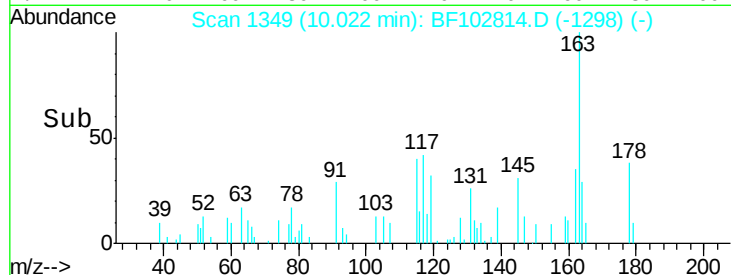
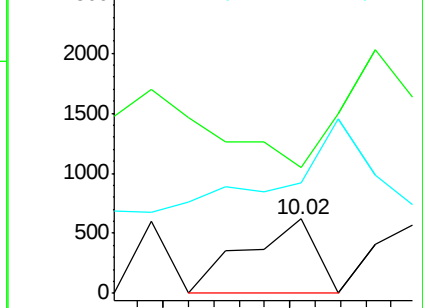
65 149.4 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 9.26 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.19 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Tgt Ion:165 Resp: 44662

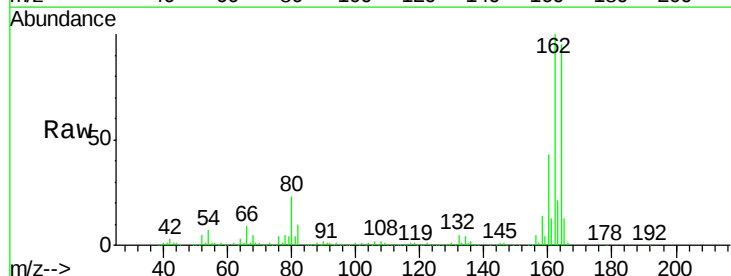
Ion Ratio Lower Upper

165 100

63 2.5 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

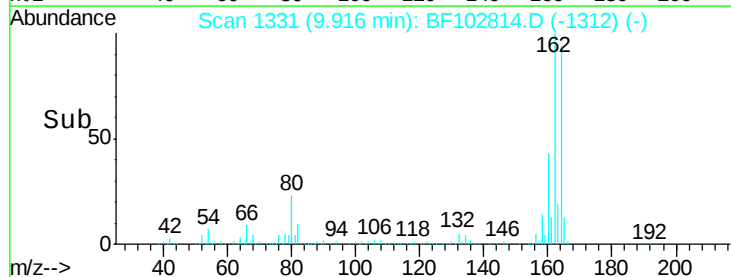
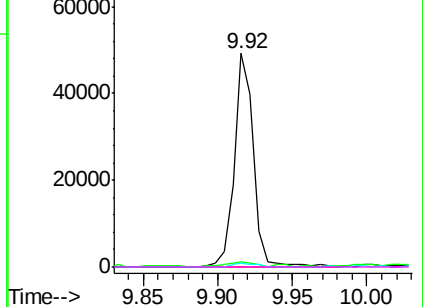


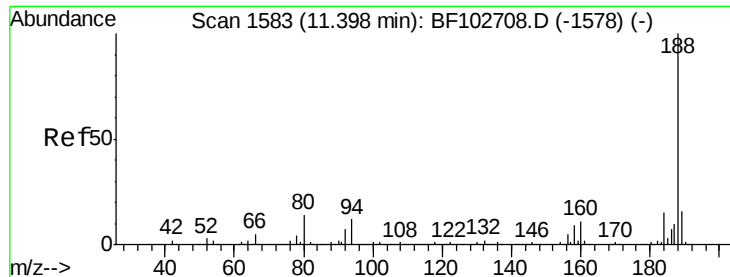
Abundance Ion 165.00 (164.70 to 165.70): E

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

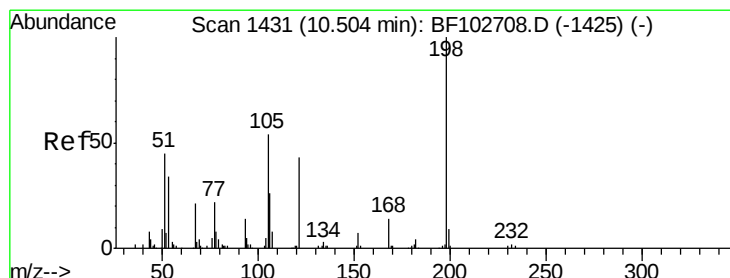
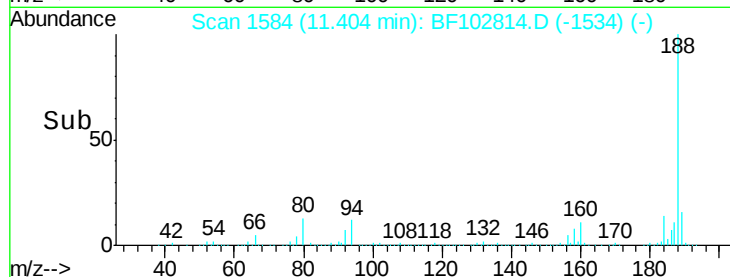
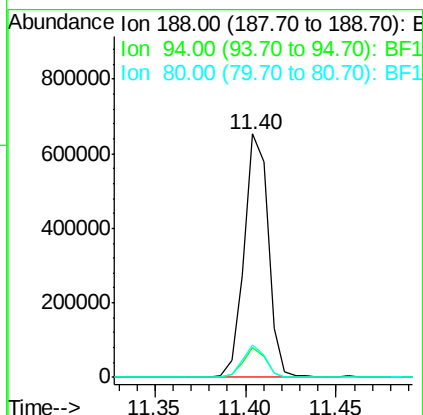
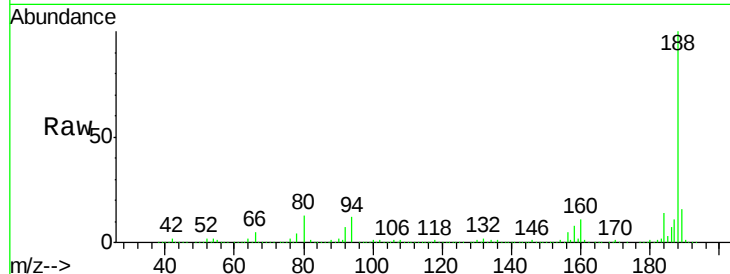




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102814.D
Acq: 7 Feb 2018 14:41

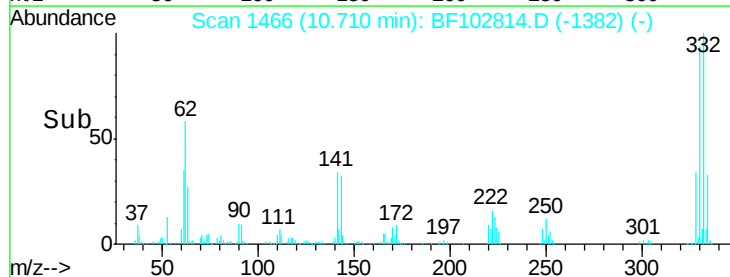
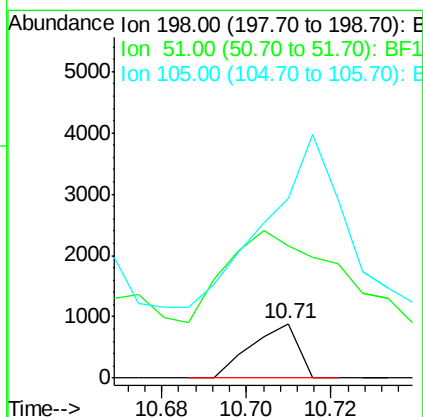
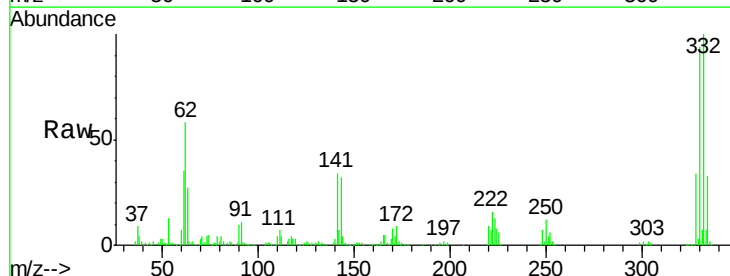
Instrument :
BNA_F
ClientSampleId :

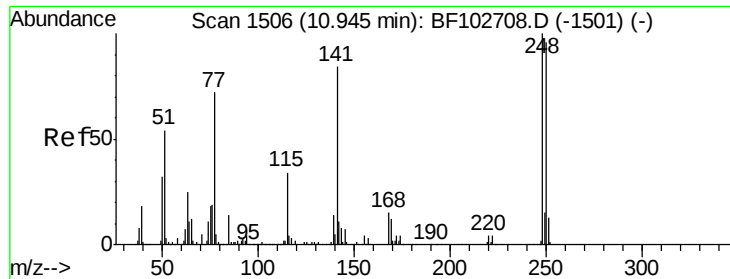
Tot Ion:188 Resp: 606351
Ion Ratio Lower Upper
188 100
94 12.3 8.5 12.7
80 13.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.04 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102814.D
Acq: 7 Feb 2018 14:41

Tgt Ion:198 Resp: 687
Ion Ratio Lower Upper
198 100
51 243.7 37.7 77.7#
105 332.6 36.3 76.3#

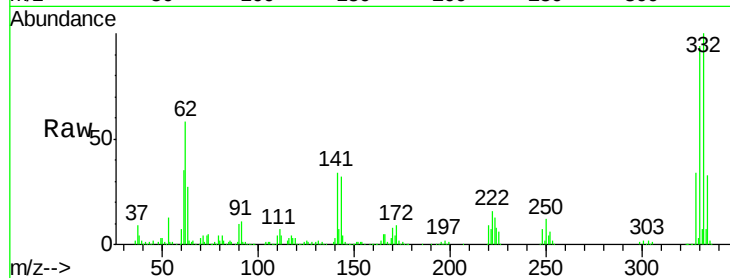




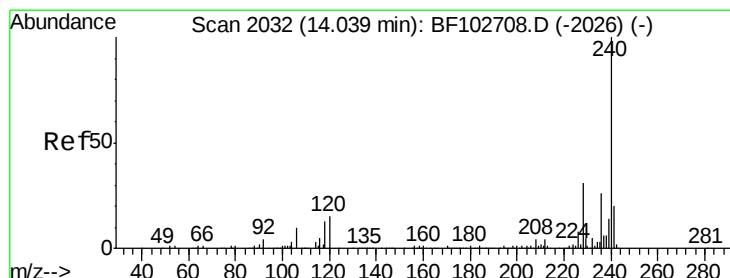
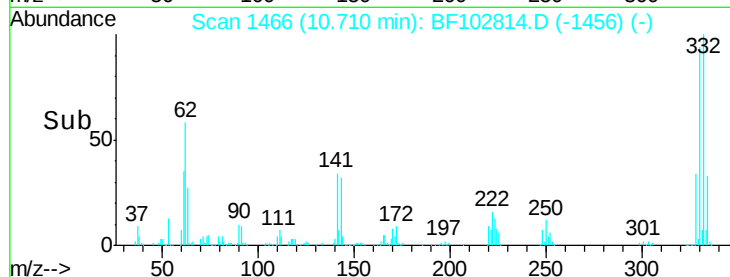
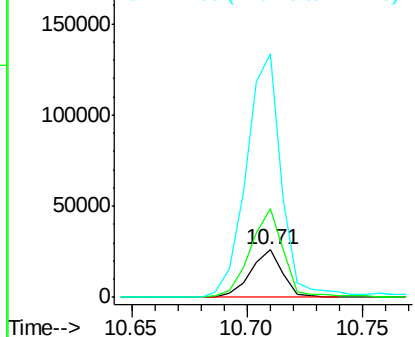
#66
 4-Bromophenyl-phenylether
 Concen: 3.92 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF102814.D
 Acq: 7 Feb 2018 14:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 25173
 Ion Ratio Lower Upper
 248 100
 250 186.9 76.9 115.3#
 141 512.8 74.4 111.6#

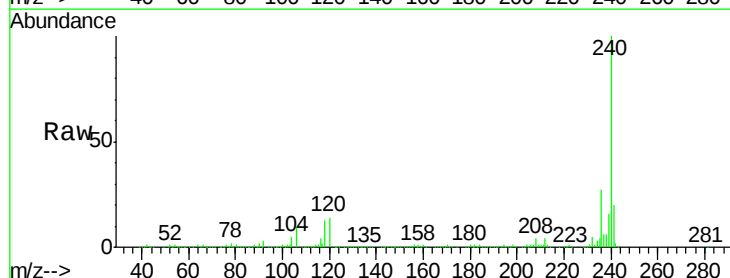


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

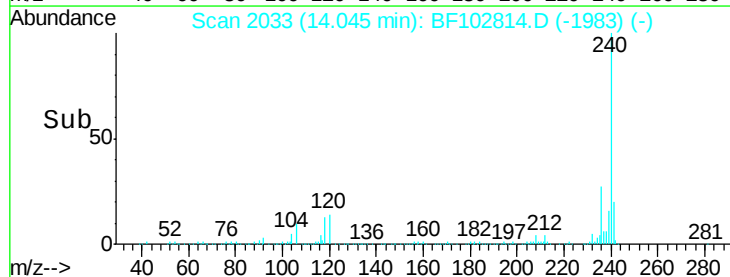
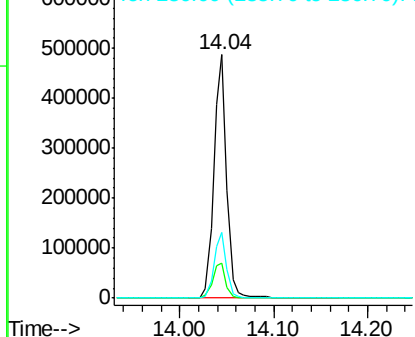


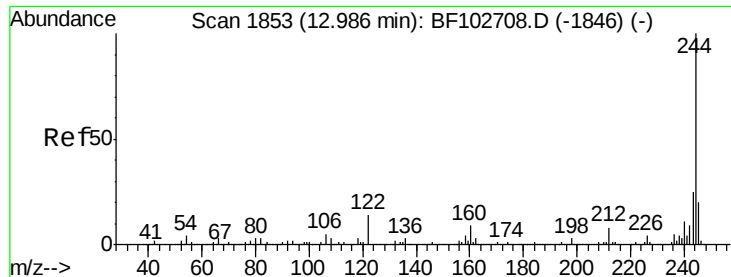
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF102814.D
 Acq: 7 Feb 2018 14:41

Tgt Ion:240 Resp: 466874
 Ion Ratio Lower Upper
 240 100
 120 14.4 9.5 14.3#
 236 27.0 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: 82.24 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

Instrument :

BNA_F

ClientSampleId :

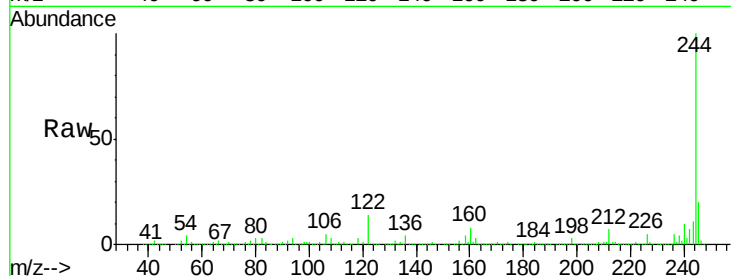
Tot Ion:244 Resp: 1621523

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

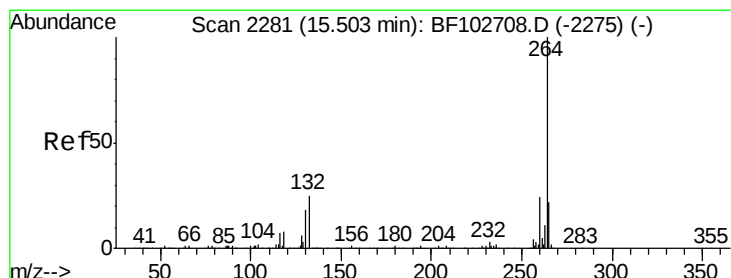
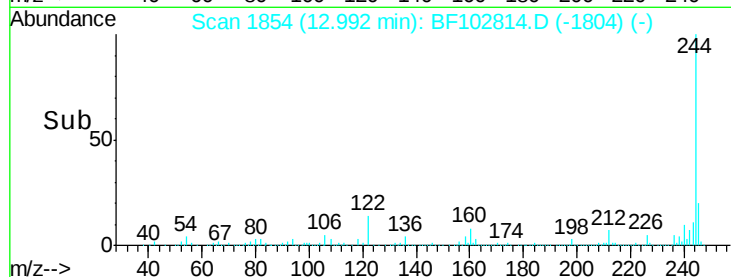
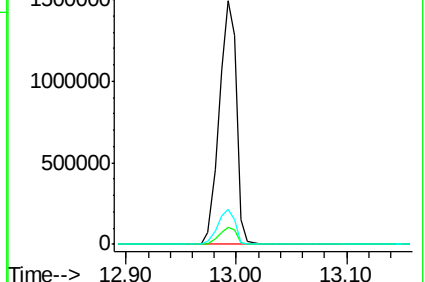
122 14.4 11.0 16.4



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: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102814.D

Acq: 7 Feb 2018 14:41

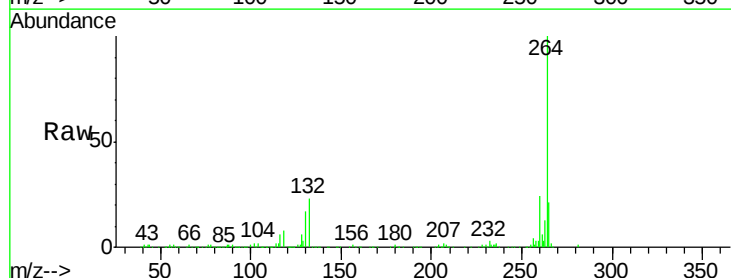
Tgt Ion:264 Resp: 364557

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.2 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

