

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102914.D
 Acq On : 12 Feb 2018 12:23
 Operator : SJ/JU
 Sample : J1506-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 12 13:41:19 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	6.89	152	179975	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	731850	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	320891	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	474204	20.00	ng	0.00
75) Chrysene-d12	14.05	240	301506	20.00	ng	0.00
86) Perylene-d12	15.54	264	328049	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	1405624	118.61	ng	0.02
7) Phenol-d6	6.52	99	1684975	118.08	ng	0.01
23) Nitrobenzene-d5	7.45	82	1123504	106.49	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	304005	117.70	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	1581693	81.79	ng	0.00
78) Terphenyl-d14	13.00	244	1028642	80.78	ng	0.00

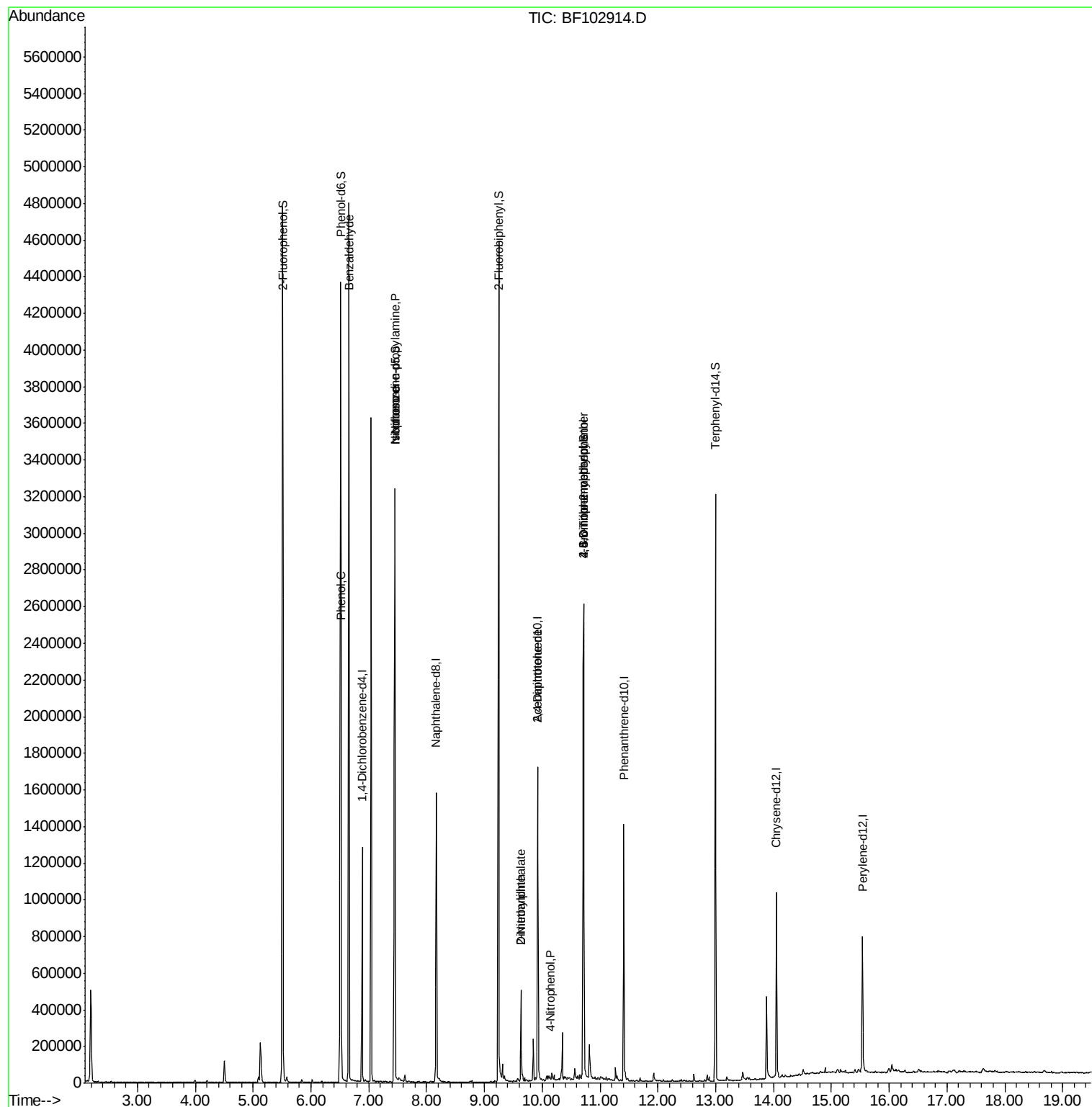
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	30139	2.844	ng	83
10) Phenol	6.53	94	45853	2.998	ng	98
19) n-Nitroso-di-n-propylamine	7.45	70	153998	16.369	ng	# 84
25) Isophorone	7.45	82	1121273	46.157	ng	# 64
47) 2-Nitroaniline	9.63	65	2098	3.769	ng	# 1
49) Dimethylphthalate	9.63	163	189910	7.590	ng	99
55) 4-Nitrophenol	10.13	139	150	4.054	ng	# 9
56) 2,4-Dinitrotoluene	9.92	165	41876	9.215	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	710	9.125	ng	# 1
66) 4-Bromophenyl-phenylether	10.72	248	20649	4.116	ng	# 1

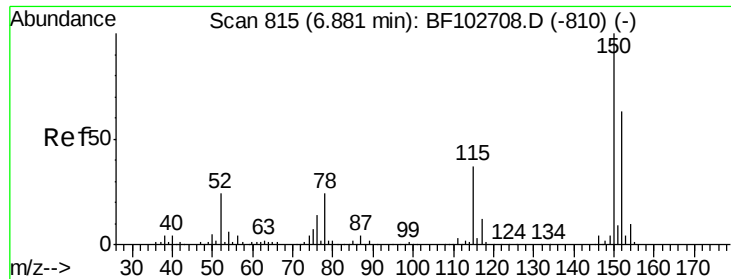
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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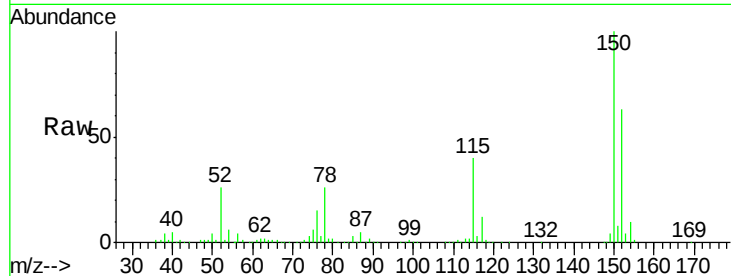


#1

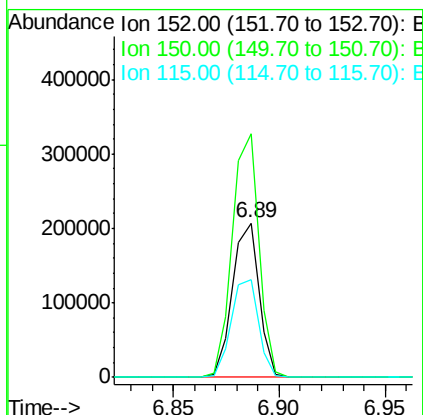
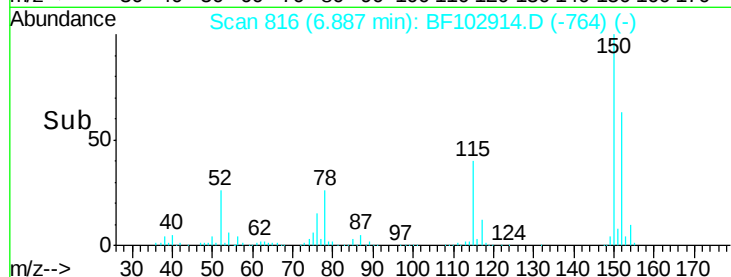
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 179975
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 63.6 50.1 75.1



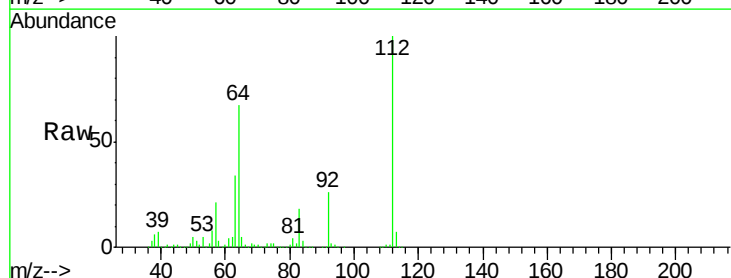
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



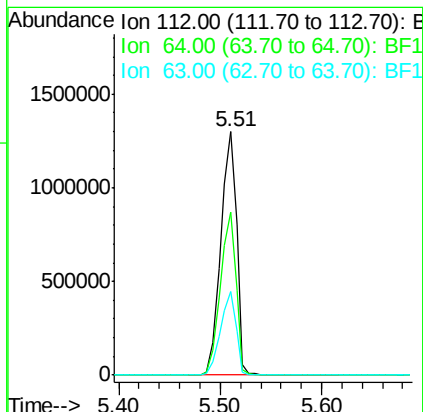
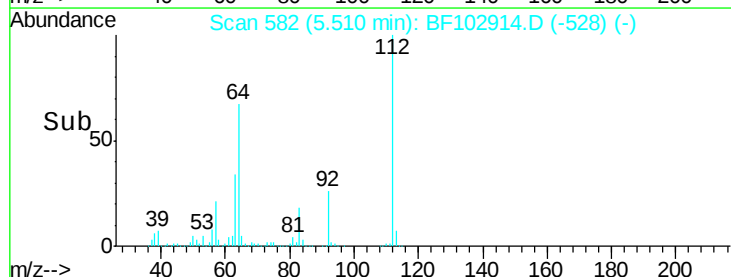
#5

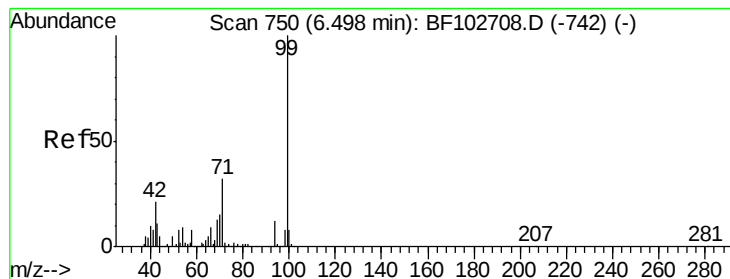
2-Fluorophenol
Concen: 118.610 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

Tgt Ion:112 Resp: 1405624
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 34.5 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: 118.084 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

Instrument :

BNA_F

ClientSampleId :

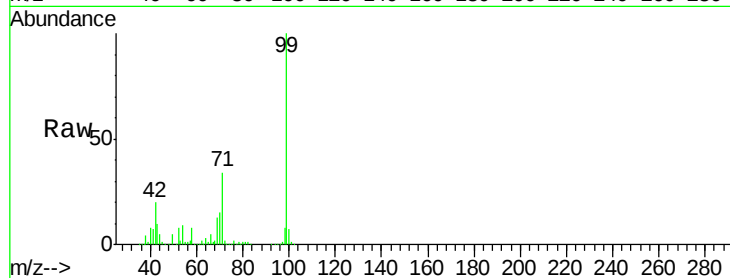
Tot Ion: 99 Resp: 1684975

Ion Ratio Lower Upper

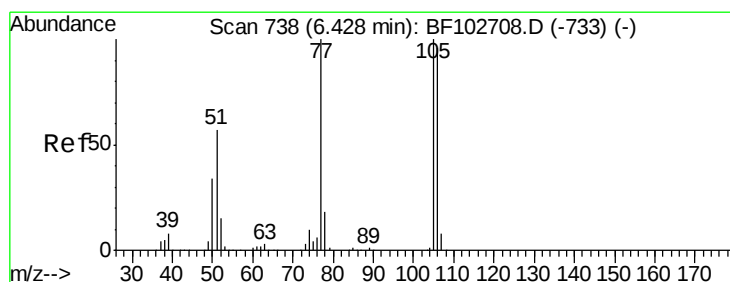
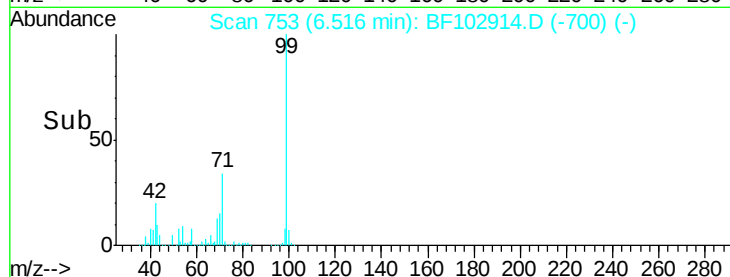
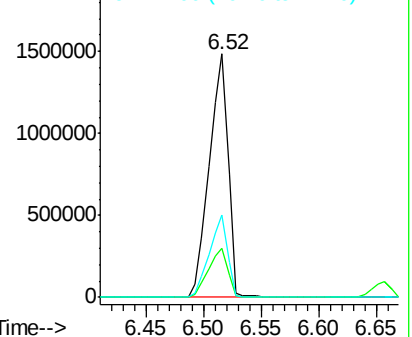
99 100

42 20.4 14.5 21.7

71 33.6 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: 2.844 ng

RT: 6.66 min Scan# 777

Delta R.T. 0.22 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

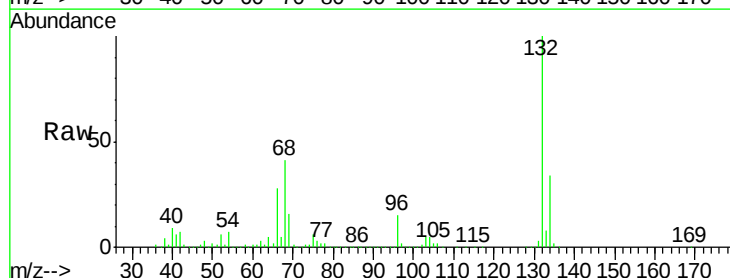
Tgt Ion: 77 Resp: 30139

Ion Ratio Lower Upper

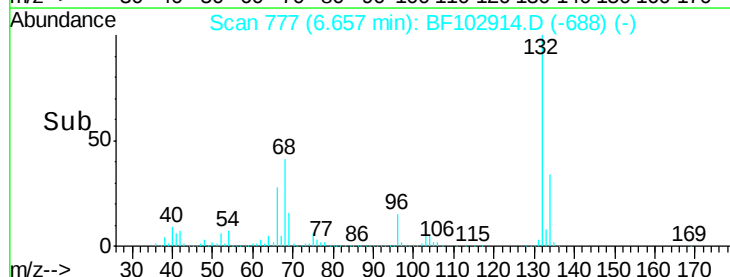
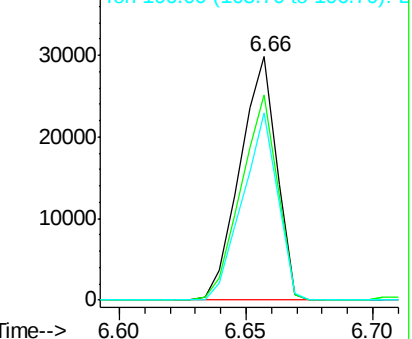
77 100

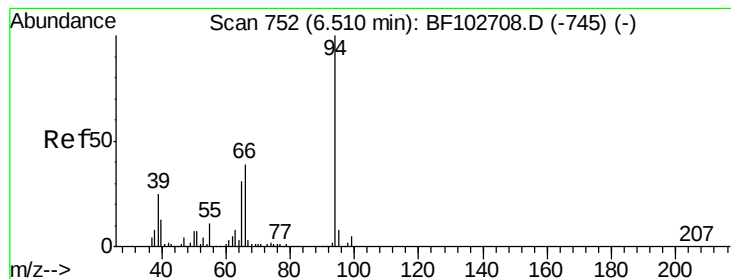
105 84.1 81.1 121.1

106 77.0 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





#10

Phenol

Concen: 2.998 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

Instrument :

BNA_F

ClientSampleId :

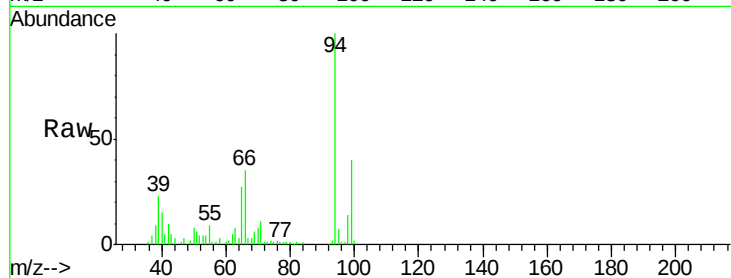
Tot Ion: 94 Resp: 45853

Ion Ratio Lower Upper

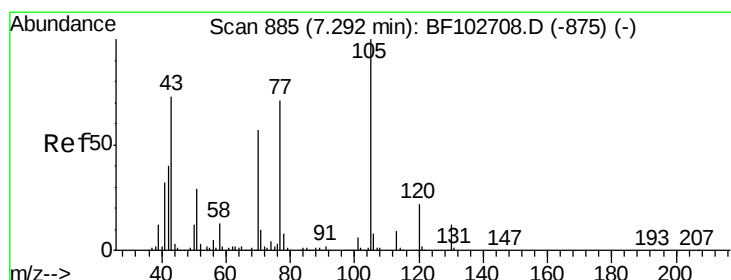
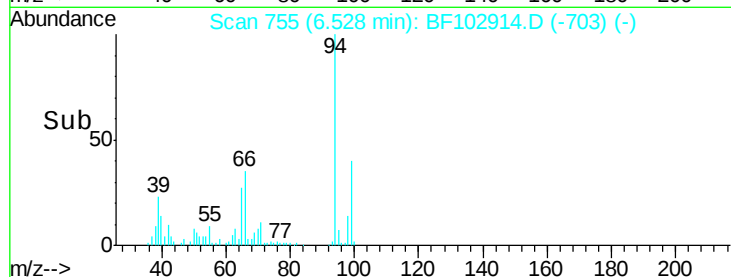
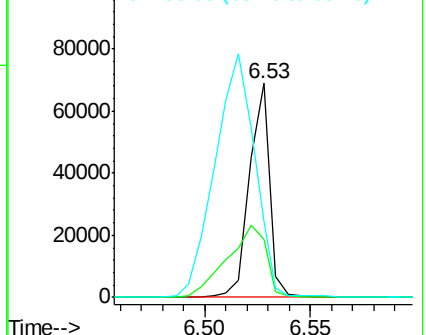
94 100

65 26.9 7.9 47.9

66 35.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 16.369 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.15 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

Tgt Ion: 70 Resp: 153998

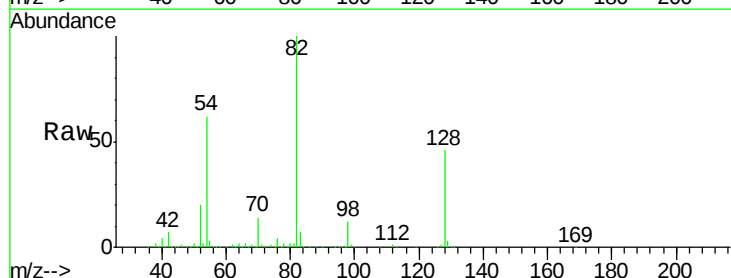
Ion Ratio Lower Upper

70 100

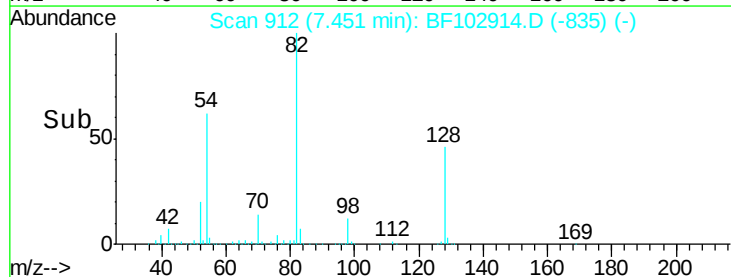
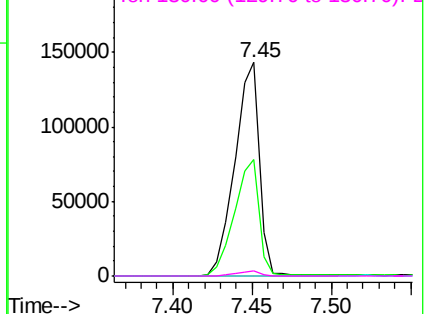
42 54.4 47.5 71.3

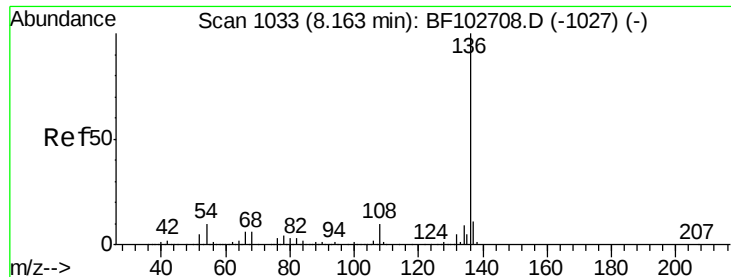
101 0.0 7.4 11.2#

130 2.2 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 731850

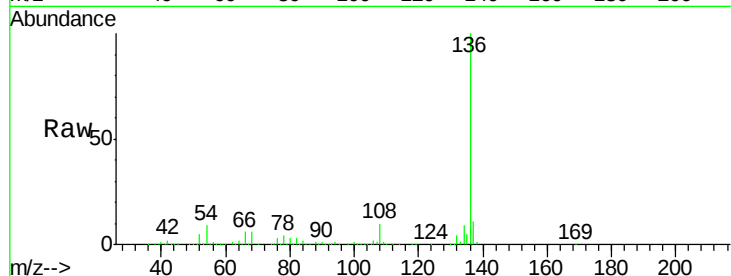
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.3 6.6 9.8

68 6.1 5.0 7.4

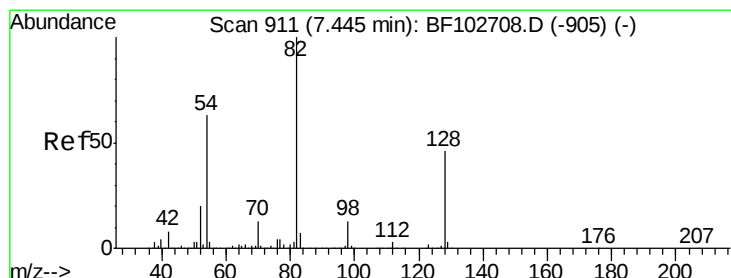
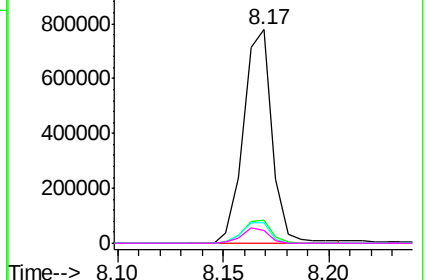
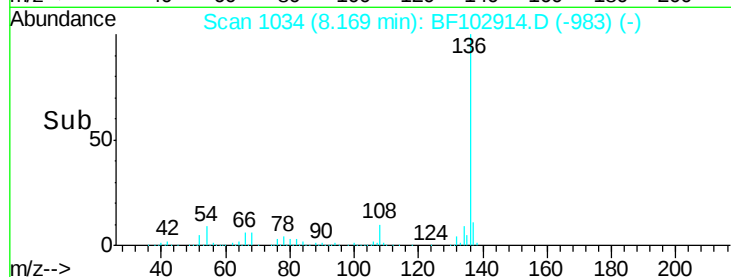


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 106.495 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.00 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

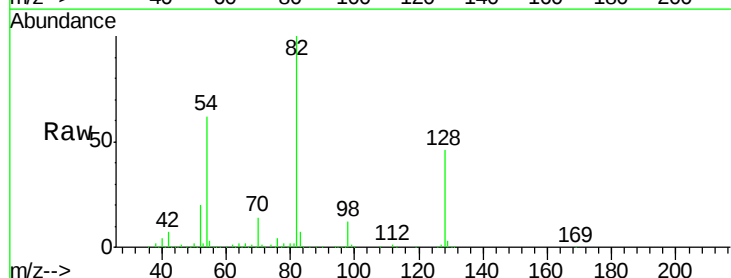
Tgt Ion: 82 Resp: 1123504

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

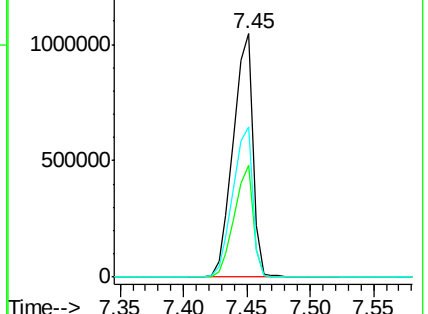
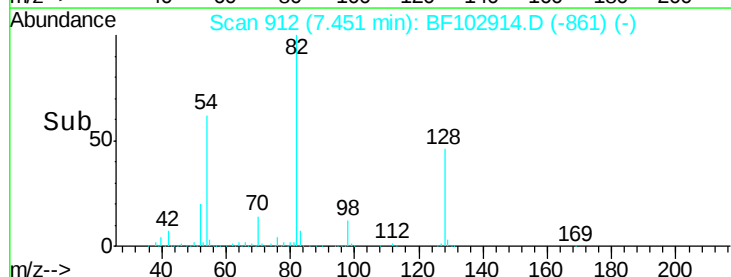
54 61.6 41.4 62.2

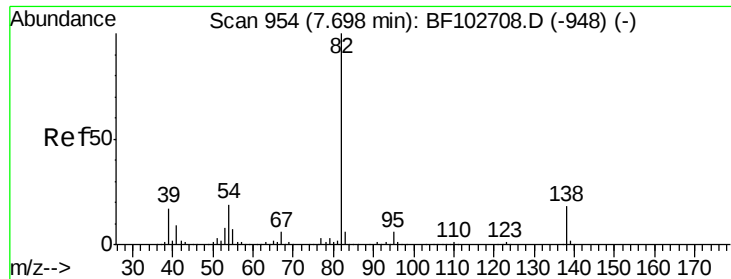


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

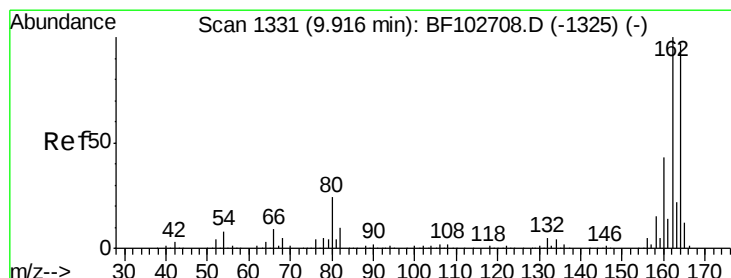
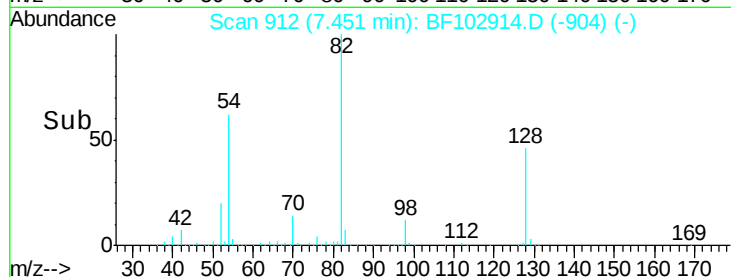
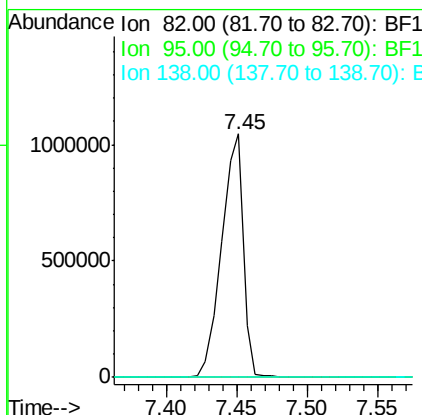
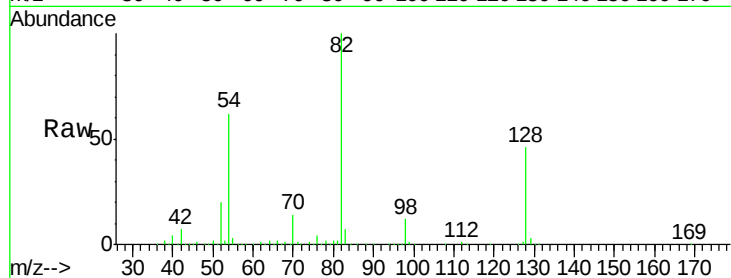




#25
Isophorone
Concen: 46.157 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.25 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

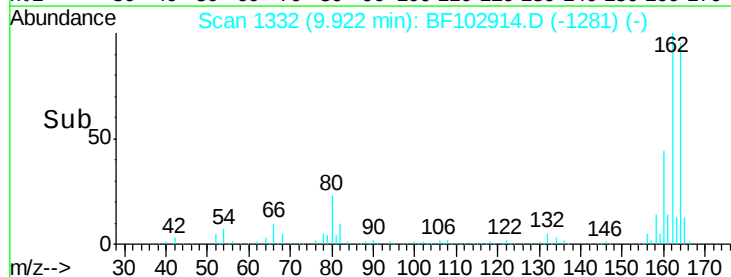
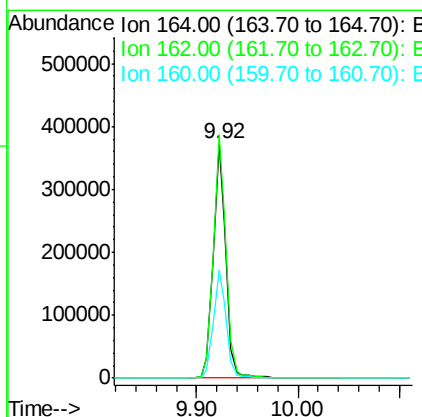
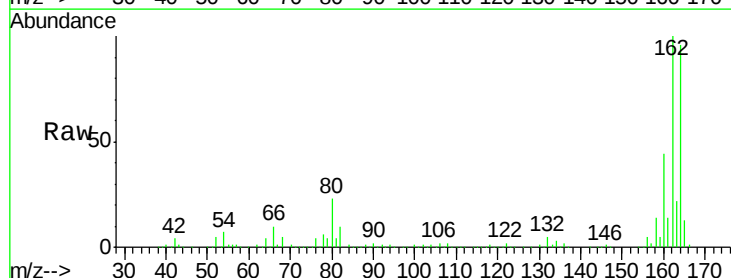
Instrument :
BNA_F
ClientSampleId :

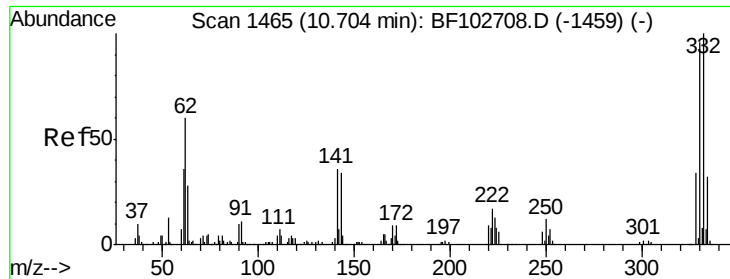
Tot Ion: 82 Resp: 1121273
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.00 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

Tgt Ion:164 Resp: 320891
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 46.2 38.3 57.5

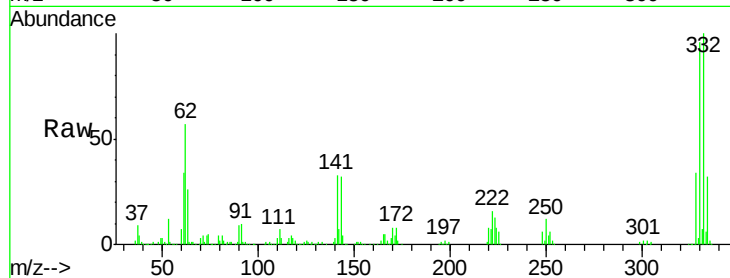




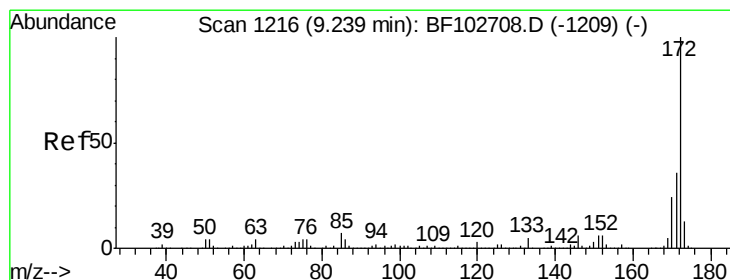
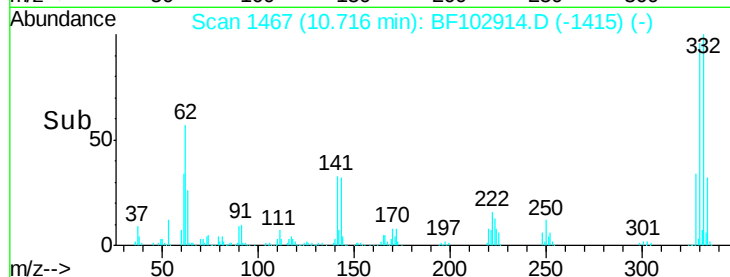
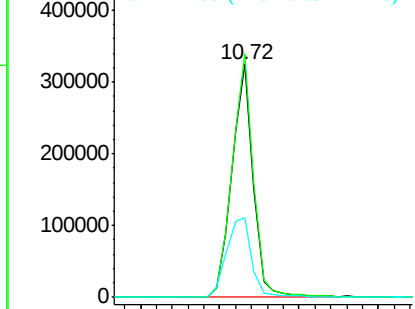
#41
 2,4,6-Tribromophenol
 Concen: 117.704 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102914.D
 Acq: 12 Feb 2018 12:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	104.2	77.0	115.6
141	40.5	29.9	44.9

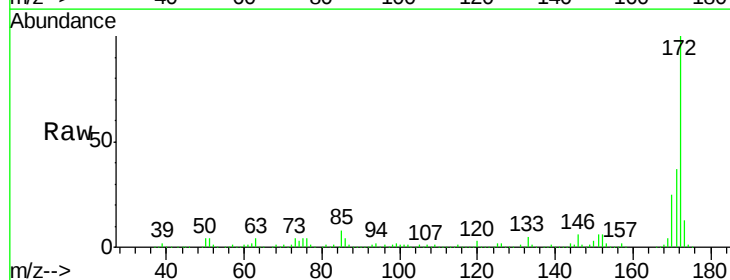


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

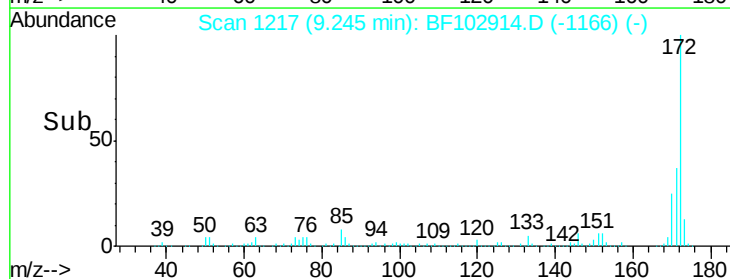
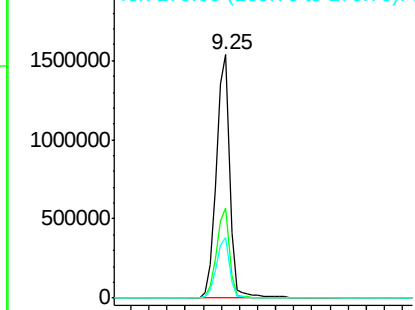


#44
 2-Fluorobiphenyl
 Concen: 81.791 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF102914.D
 Acq: 12 Feb 2018 12:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.7	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: 3.769 ng

RT: 9.63 min Scan# 1283

Delta R.T. 0.17 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

Instrument :

BNA_F

ClientSampled :

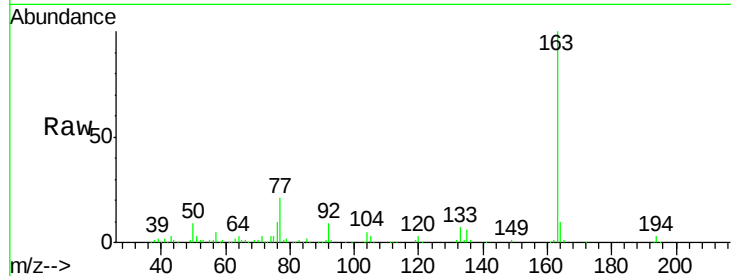
Tot Ion: 65 Resp: 2098

Ion Ratio Lower Upper

65 100

92 817.8 55.8 83.6#

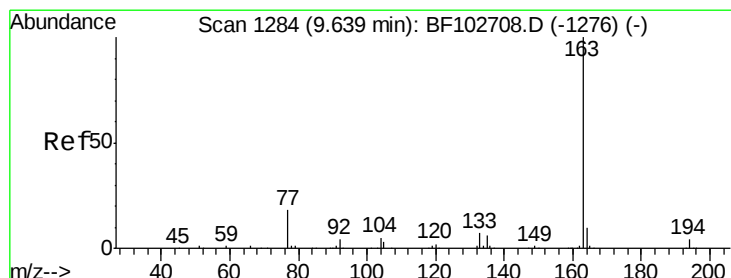
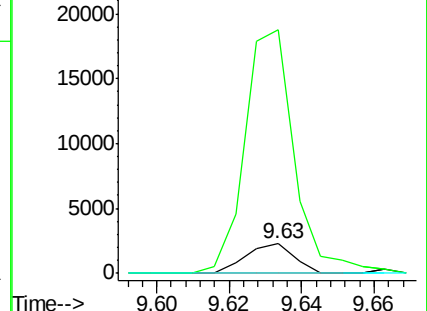
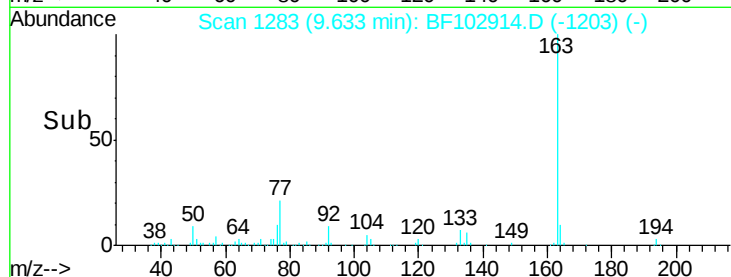
138 0.0 91.2 136.8#



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): BF1



#49

Dimethylphthalate

Concen: 7.590 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

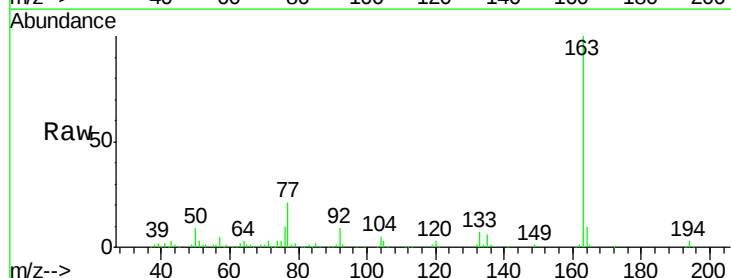
Tgt Ion: 163 Resp: 189910

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

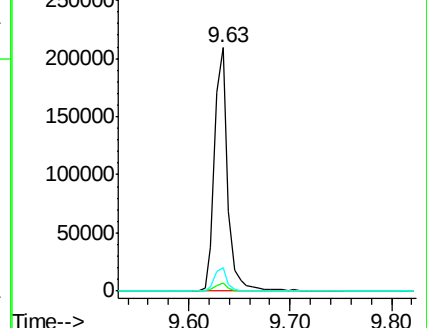
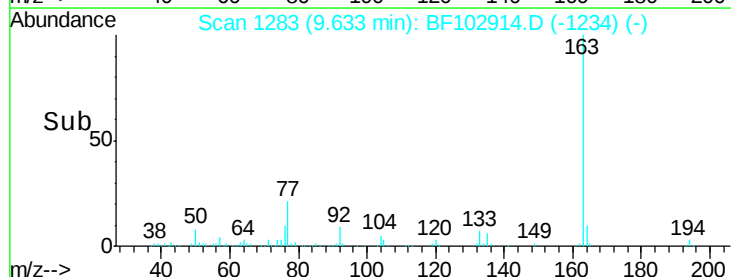
164 9.7 8.2 12.2

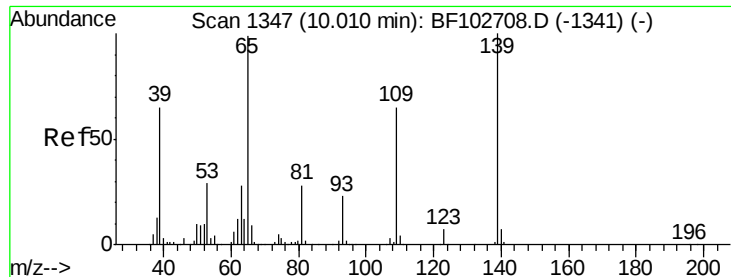


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

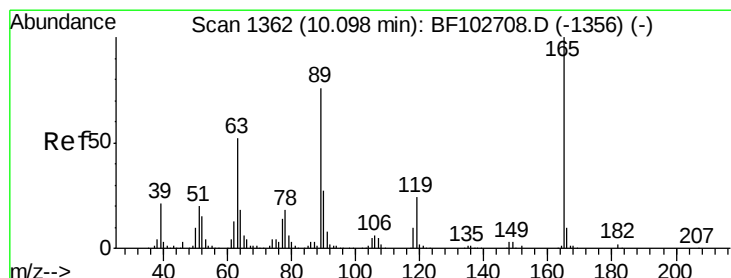
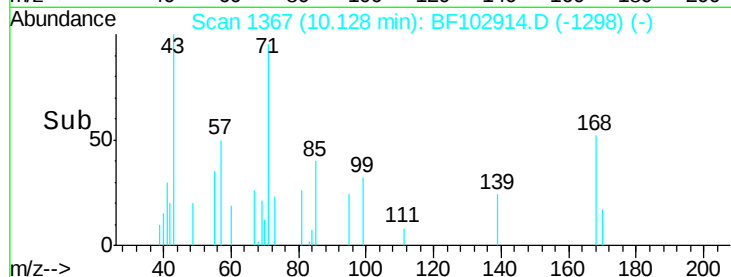
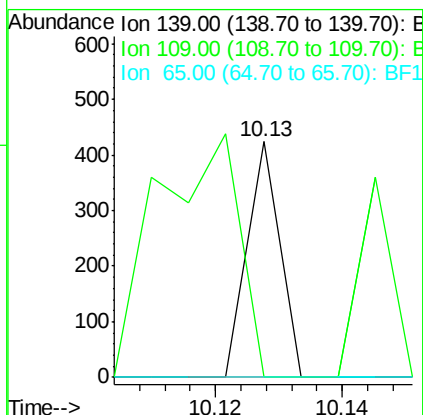
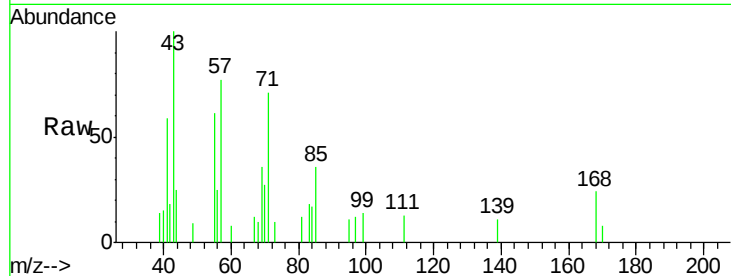




#55
4-Nitrophenol
Concen: 4.054 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.11 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

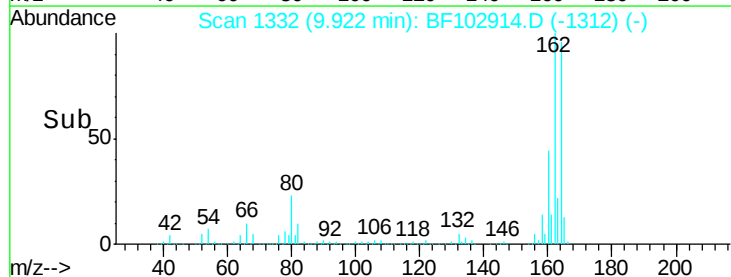
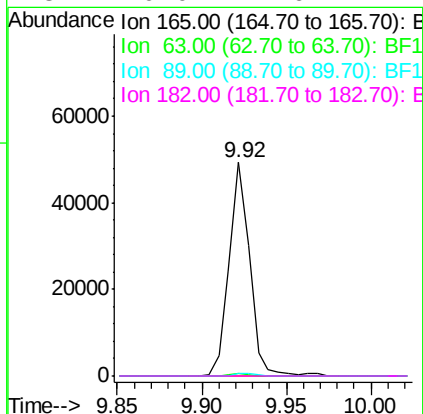
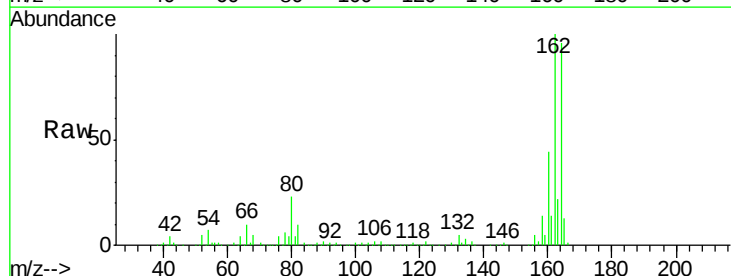
Instrument :
BNA_F
ClientSampleId :

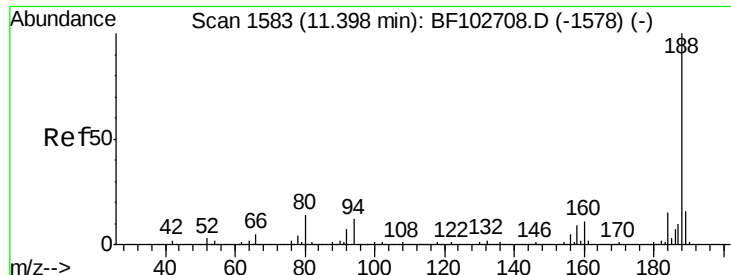
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



#56
2,4-Dinitrotoluene
Concen: 9.215 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

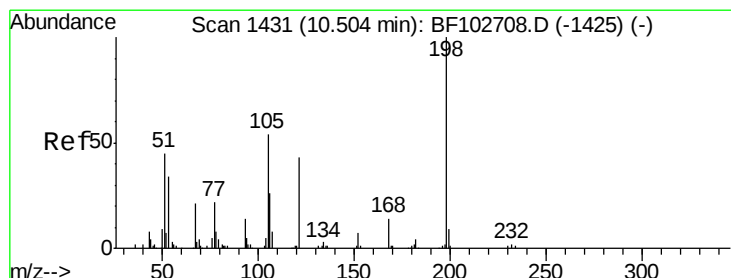
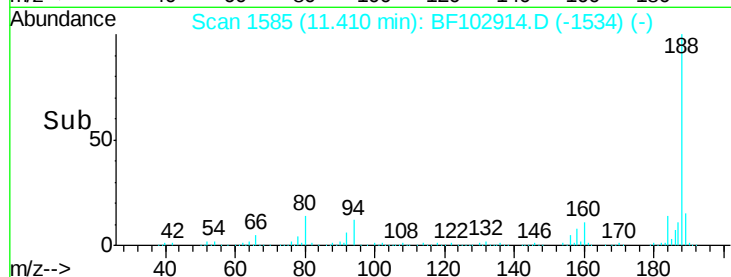
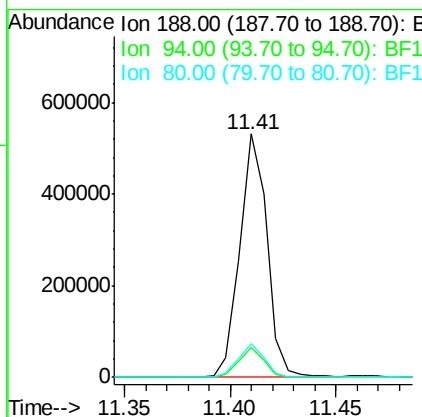
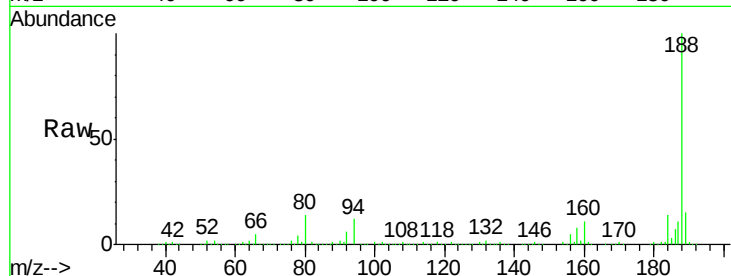




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

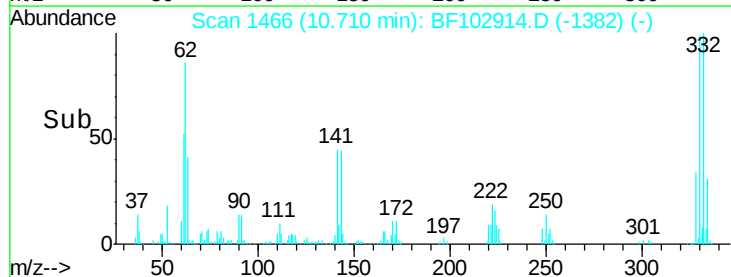
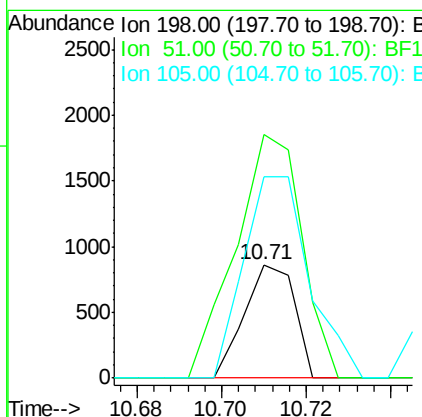
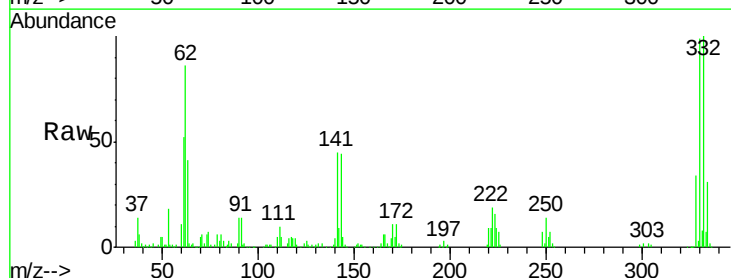
Instrument :
BNA_F
ClientSampleId :

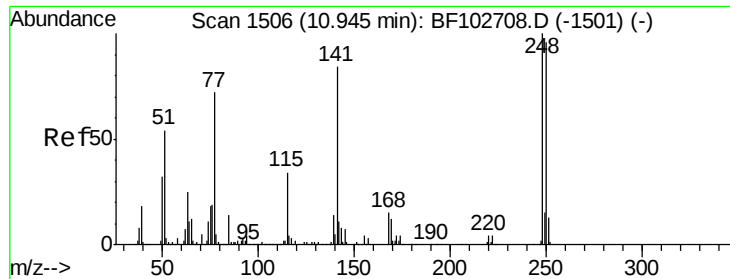
Tot Ion:188 Resp: 474204
Ion Ratio Lower Upper
188 100
94 12.3 8.5 12.7
80 13.7 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 9.125 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.19 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

Tgt Ion:198 Resp: 710
Ion Ratio Lower Upper
198 100
51 215.3 37.7 77.7#
105 177.7 36.3 76.3#

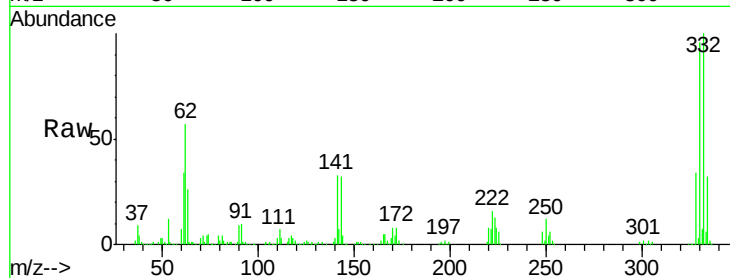




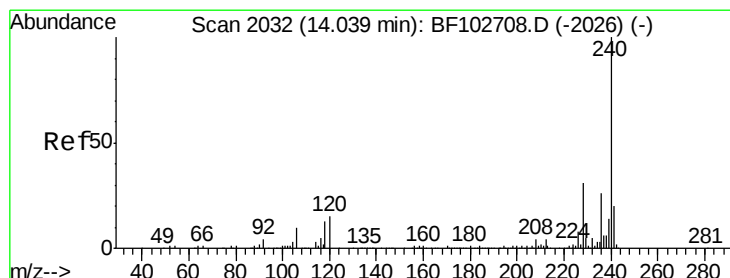
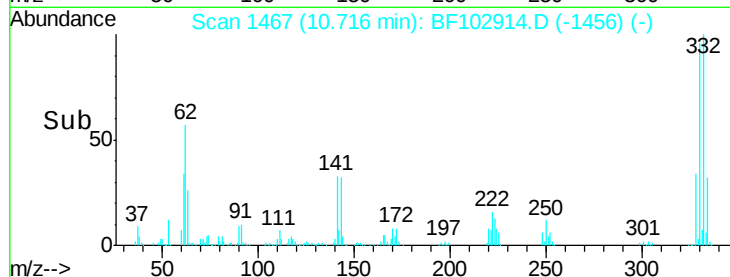
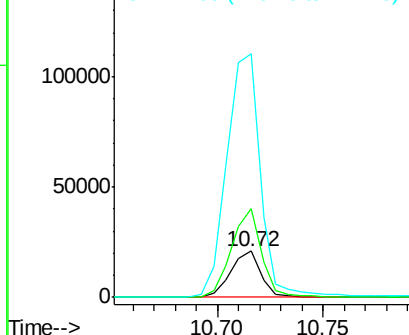
#66
4-Bromophenyl-phenylether
Concen: 4.116 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.24 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 20649
Ion Ratio Lower Upper
248 100
250 190.8 76.9 115.3#
141 527.0 74.4 111.6#

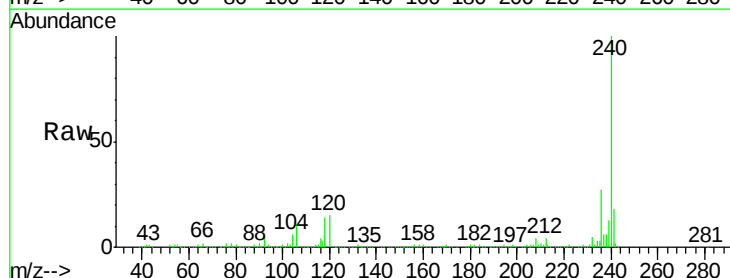


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

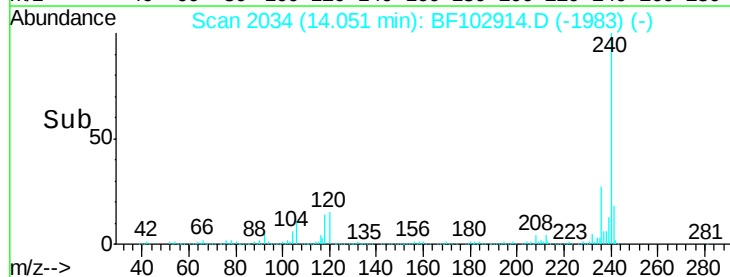
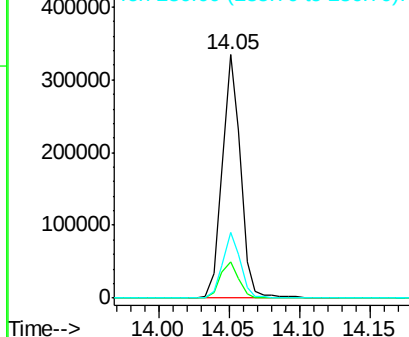


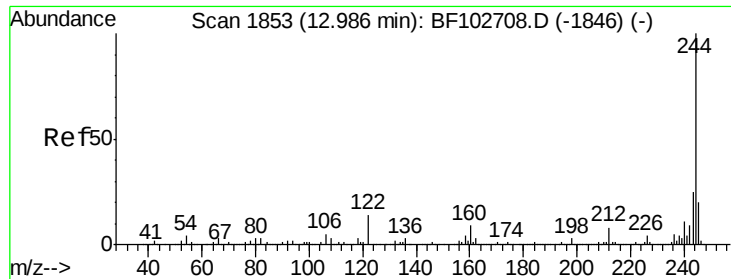
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF102914.D
Acq: 12 Feb 2018 12:23

Tgt Ion:240 Resp: 301506
Ion Ratio Lower Upper
240 100
120 14.9 9.5 14.3#
236 26.8 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: 80.781 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

Instrument :

BNA_F

ClientSampled :

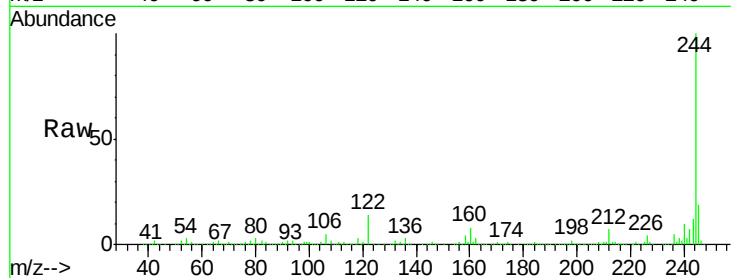
Tot Ion:244 Resp: 1028642

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

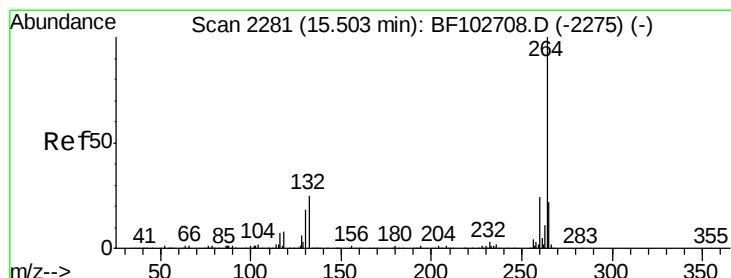
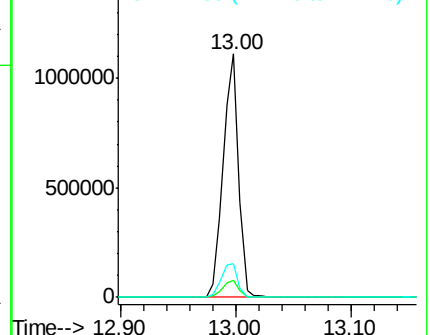
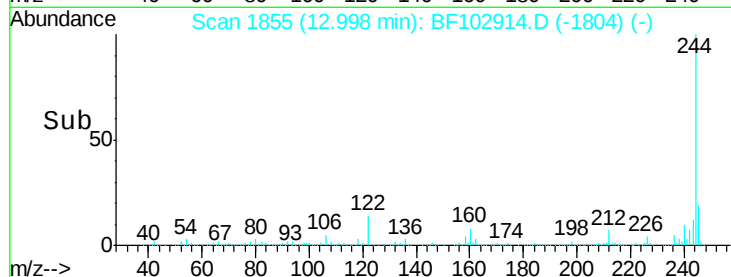
122 13.6 11.0 16.4



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: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102914.D

Acq: 12 Feb 2018 12:23

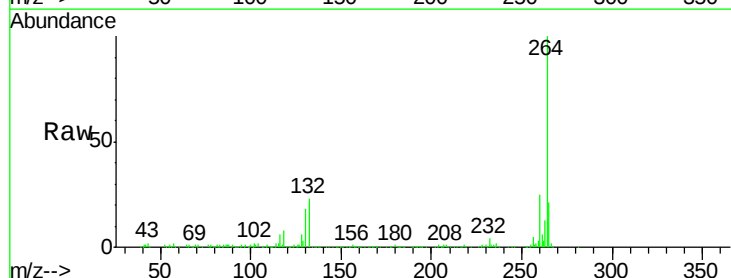
Tgt Ion:264 Resp: 328049

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

265 20.8 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

