

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
 Data File : BF097028.D
 Acq On : 25 Jul 2017 14:55
 Operator : SJ/JU
 Sample : I4399-01DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 25 15:18:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	140602	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	590622	20.00	ng	0.00
38) Acenaphthene-d10	9.53	164	269197	20.00	ng	0.00
63) Phenanthrene-d10	11.00	188	427454	20.00	ng	0.00
75) Chrysene-d12	13.62	240	266622	20.00	ng	0.00
86) Perylene-d12	14.97	264	188676	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.10	112	35484	3.80	ng	0.00
7) Phenol-d6	6.16	99	47025	4.42	ng	0.00
23) Nitrobenzene-d5	7.06	82	25490	2.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	8675	4.08	ng	-0.01
44) 2-Fluorobiphenyl	8.86	172	49688	3.13	ng	-0.01
78) Terphenyl-d14	12.58	244	30752	2.35	ng	0.00

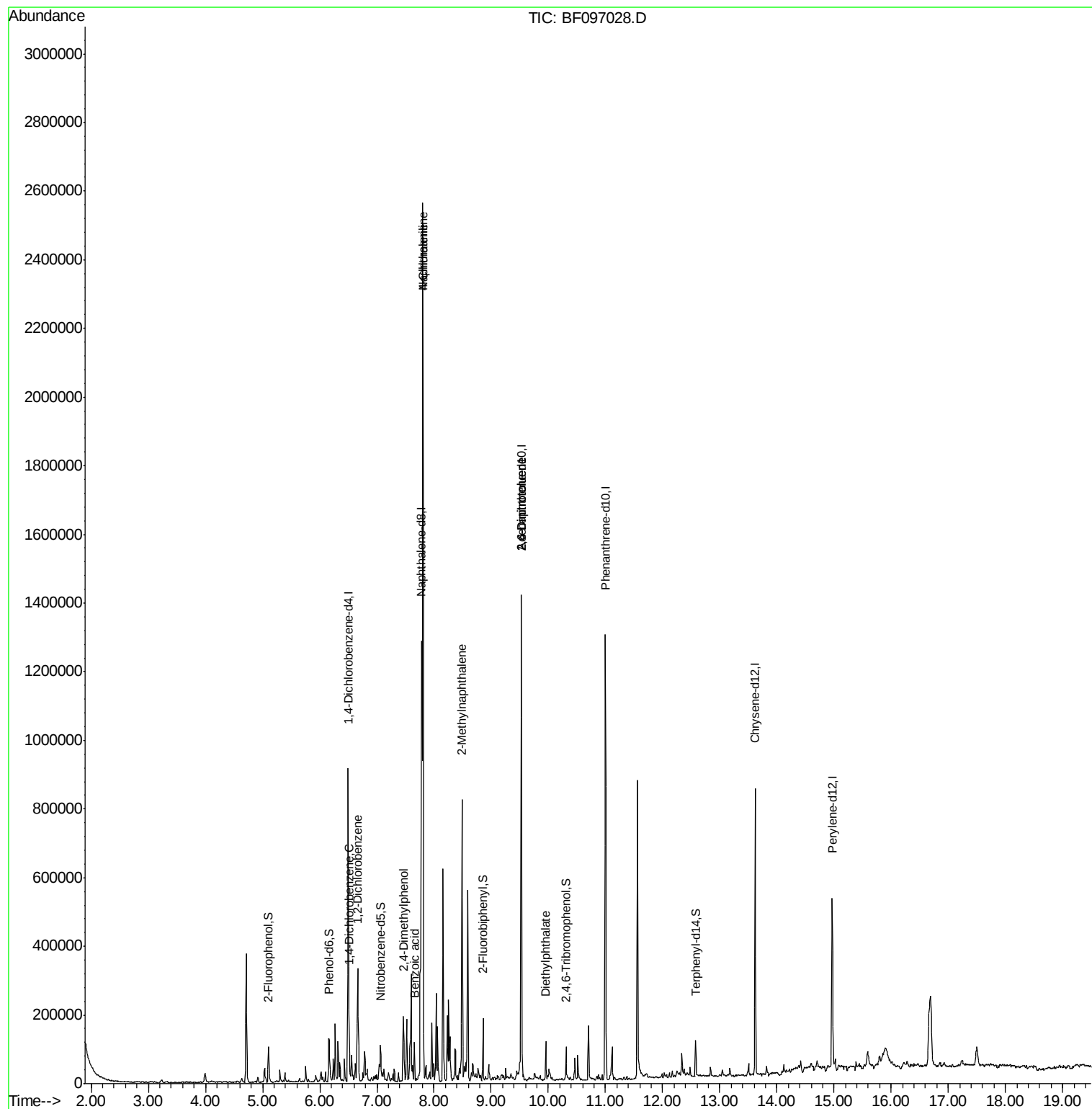
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) 1,4-Dichlorobenzene	6.52	146	47068	4.419	ng	96
14) 1,2-Dichlorobenzene	6.67	146	71036	7.638	ng	96
27) 2,4-Dimethylphenol	7.46	122	46171	4.934	ng	99
31) Naphthalene	7.80	128	1180742	42.410	ng	100
32) Benzoic acid	7.66	122	16186	2.316	ng	# 14
33) 4-Chloroaniline	7.80	127	158183	13.963	ng	# 33
37) 2-Methylnaphthalene	8.49	142	216521	12.283	ng	98
50) 2,6-Dinitrotoluene	9.53	165	34482	7.953	ng	# 33
56) 2,4-Dinitrotoluene	9.53	165	34482	6.918	ng	# 33
59) Diethylphthalate	9.96	149	39747	2.119	ng	98

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

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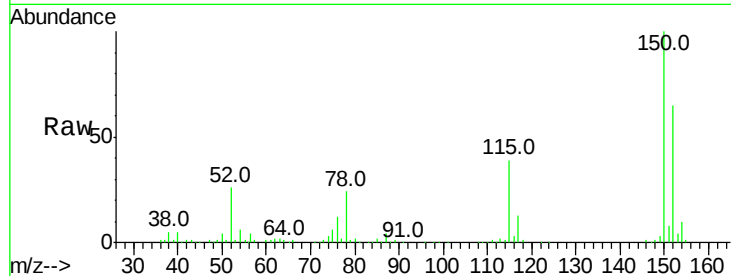


#1

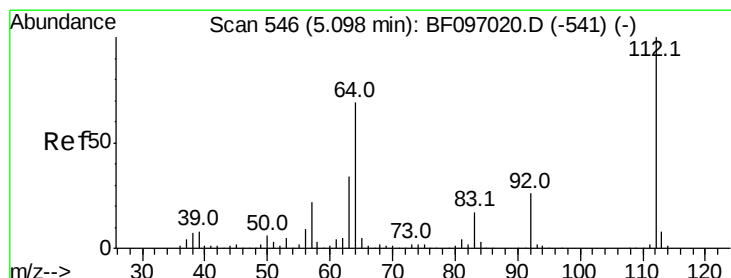
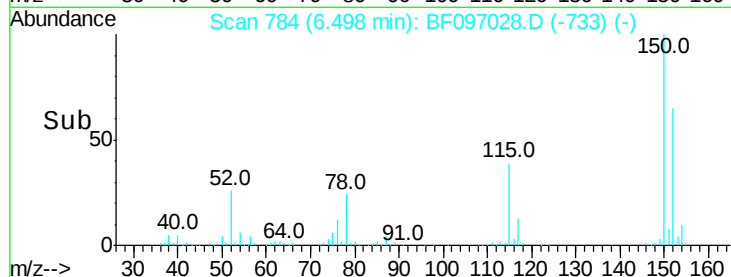
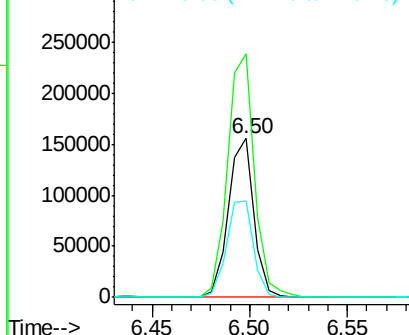
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.50 min Scan# 784
Delta R.T. -0.00 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 140602
Ion Ratio Lower Upper
152 100
150 153.2 126.2 189.2
115 60.4 52.2 78.2



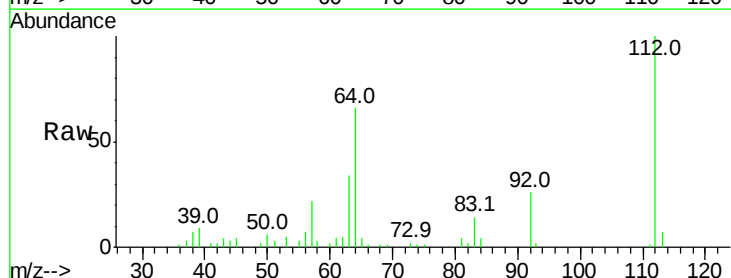
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



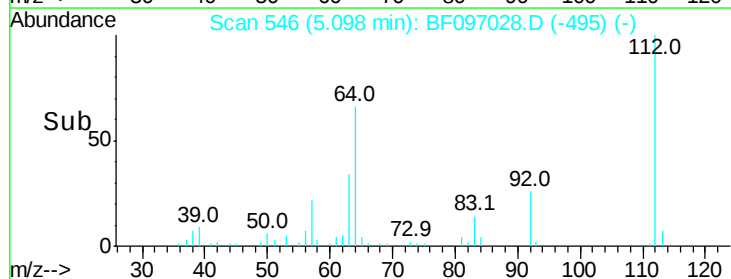
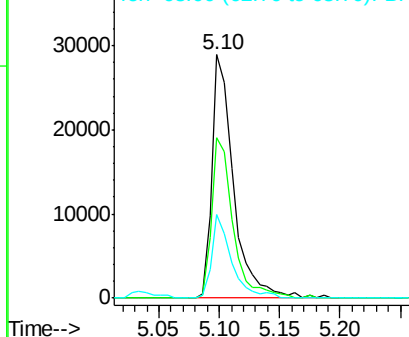
#5

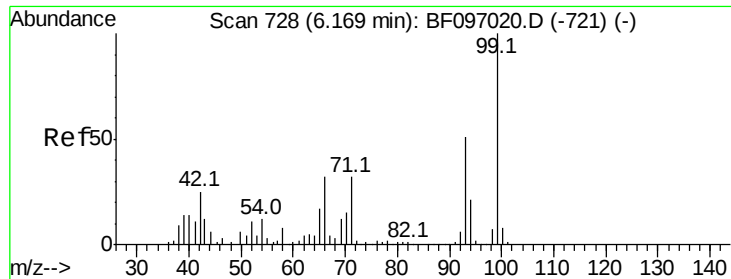
2-Fluorophenol
Concen: 3.804 ng
RT: 5.10 min Scan# 546
Delta R.T. 0.00 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

Tgt Ion:112 Resp: 35484
Ion Ratio Lower Upper
112 100
64 65.9 46.0 69.0
63 34.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 4.416 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

Instrument :

BNA_F

ClientSampled :

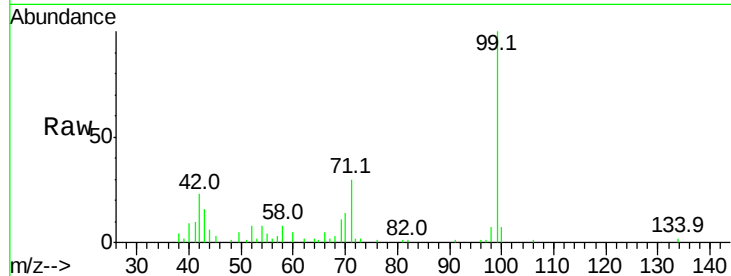
Tot Ion: 99 Resp: 47025

Ion Ratio Lower Upper

99 100

42 23.0 13.5 20.3#

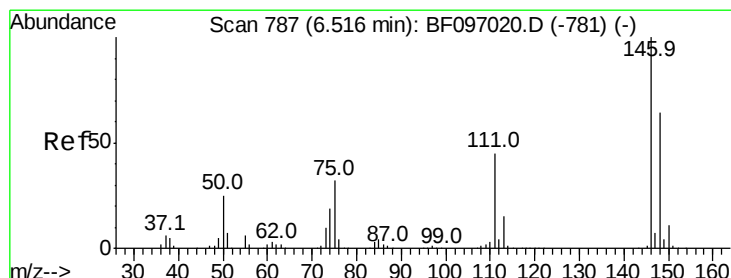
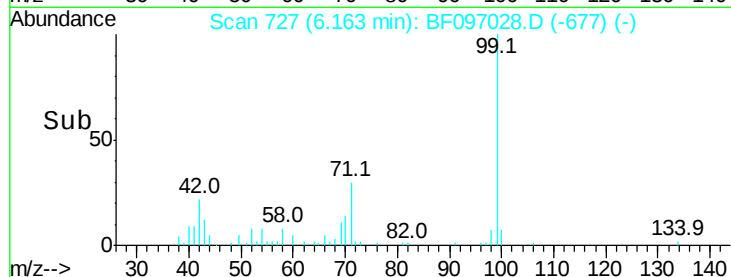
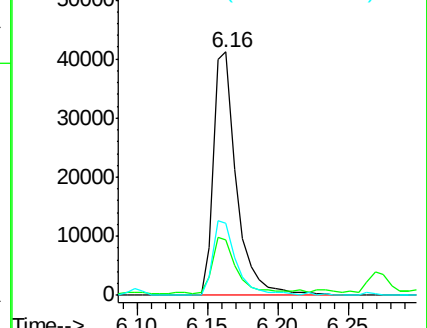
71 29.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#13

1,4-Dichlorobenzene

Concen: 4.419 ng

RT: 6.52 min Scan# 787

Delta R.T. -0.00 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

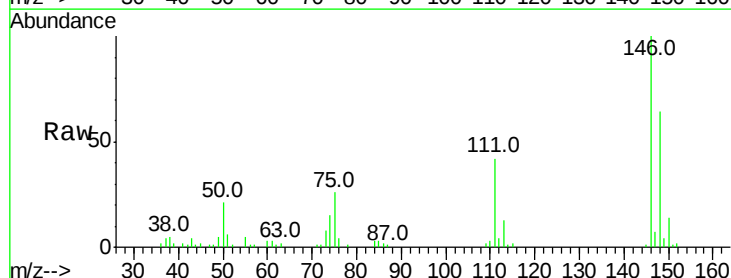
Tgt Ion:146 Resp: 47068

Ion Ratio Lower Upper

146 100

148 63.6 52.2 78.2

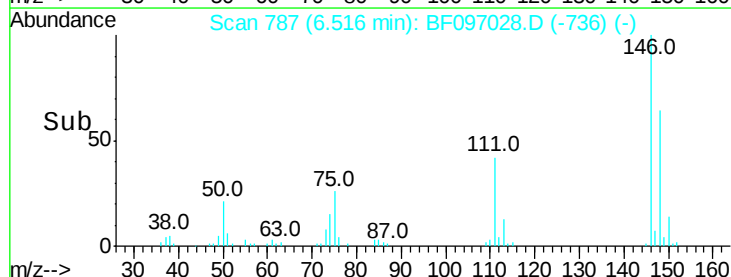
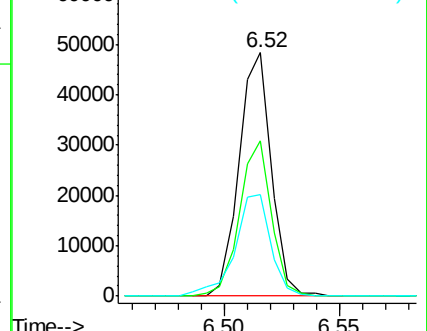
111 41.9 30.3 45.5

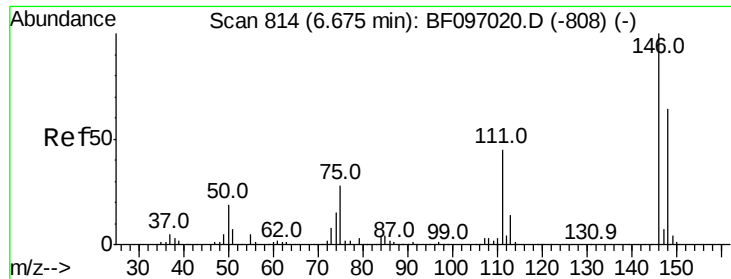


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 7.638 ng

RT: 6.67 min Scan# 813

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

Instrument :

BNA_F

ClientSampleId :

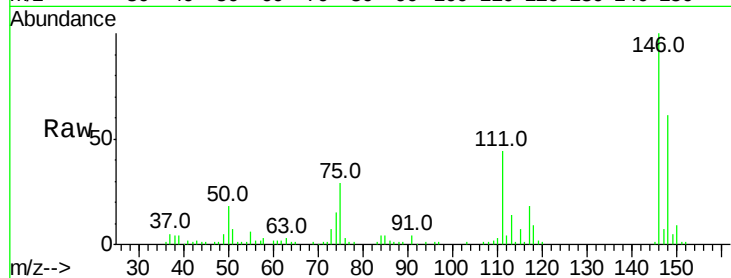
Tot Ion:146 Resp: 71036

Ion Ratio Lower Upper

146 100

148 61.4 50.4 75.6

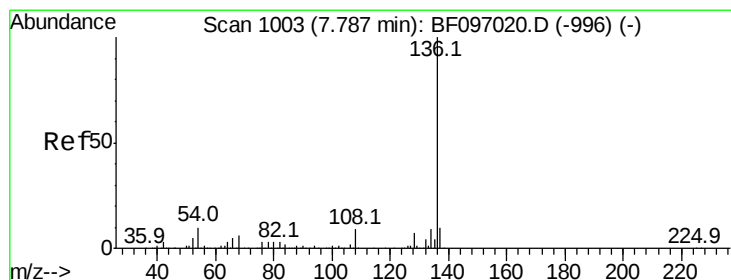
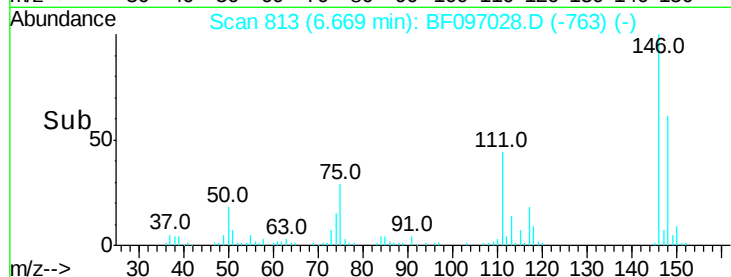
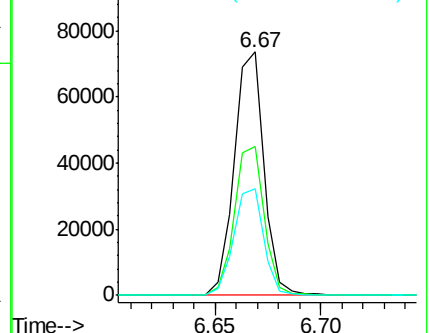
111 43.8 38.2 57.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.78 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

Tgt Ion:136 Resp: 590622

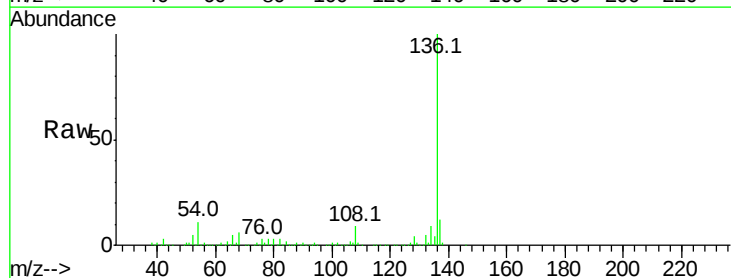
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 10.7 4.9 7.3#

68 5.8 4.1 6.1

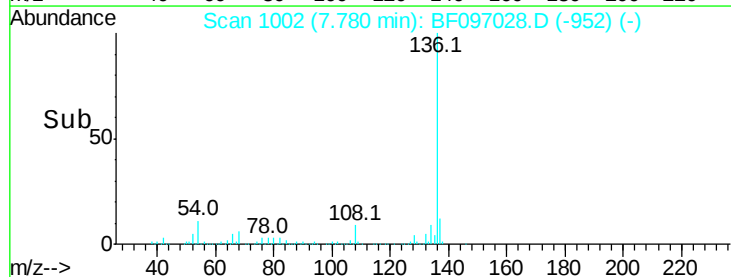
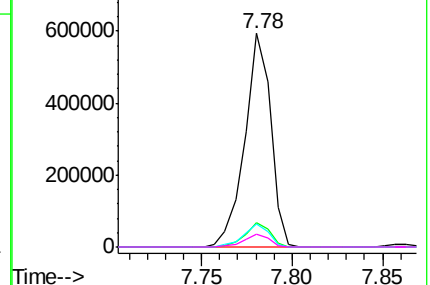


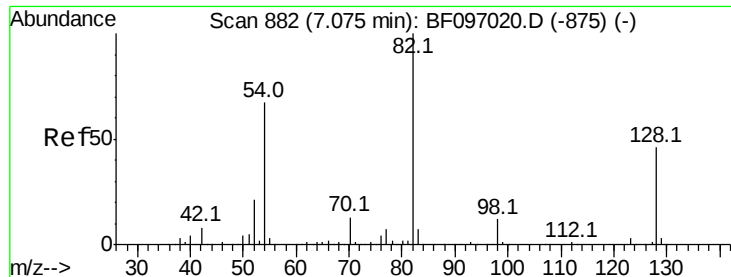
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

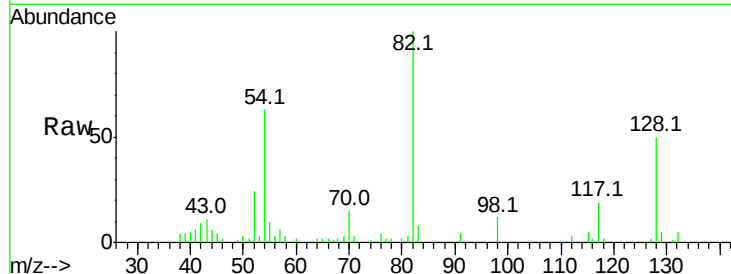




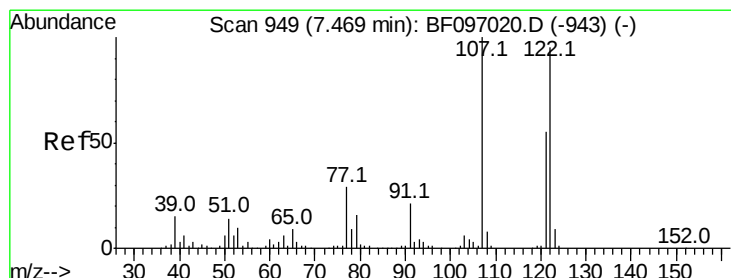
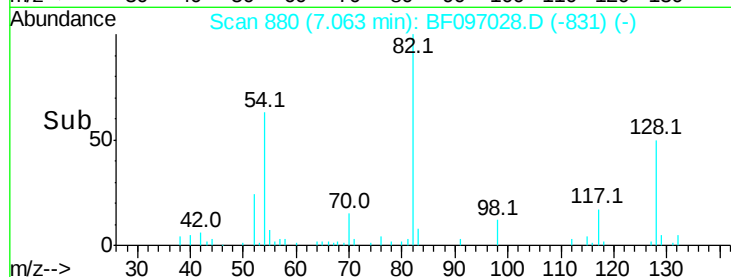
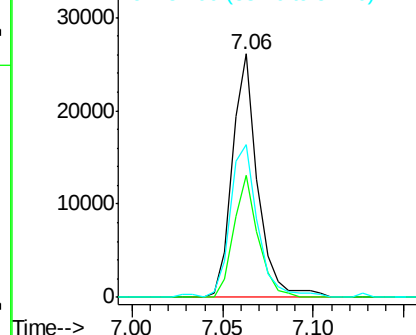
#23
 Nitrobenzene-d5
 Concen: 2.532 ng
 RT: 7.06 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: BF097028.D
 Acq: 25 Jul 2017 14:55

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion: 82 Resp: 25490
 Ion Ratio Lower Upper
 82 100
 128 50.1 34.0 51.0
 54 62.7 42.2 63.2

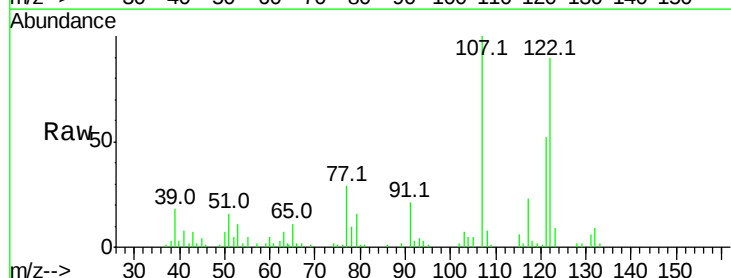


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

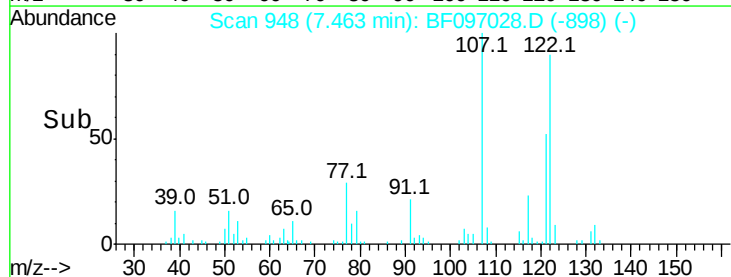
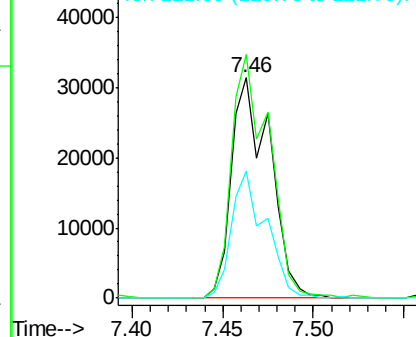


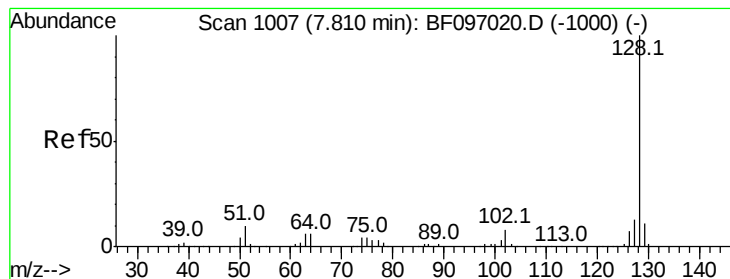
#27
 2,4-Dimethylphenol
 Concen: 4.934 ng
 RT: 7.46 min Scan# 948
 Delta R.T. -0.01 min
 Lab File: BF097028.D
 Acq: 25 Jul 2017 14:55

Tgt Ion:122 Resp: 46171
 Ion Ratio Lower Upper
 122 100
 107 110.7 89.2 133.8
 121 58.0 45.2 67.8



Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 42.410 ng

RT: 7.80 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

Instrument :

BNA_F

ClientSampleId :

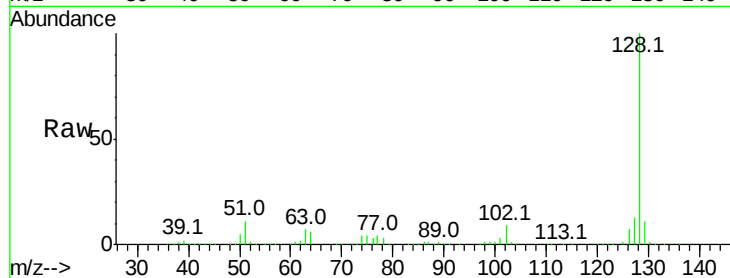
Tot Ion:128 Resp: 1180742

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

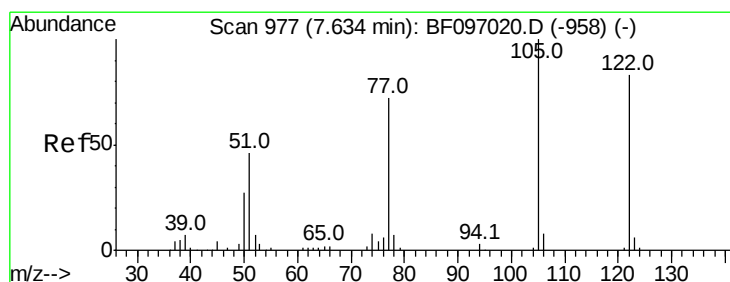
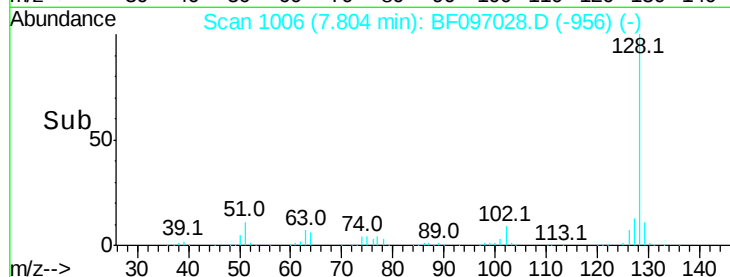
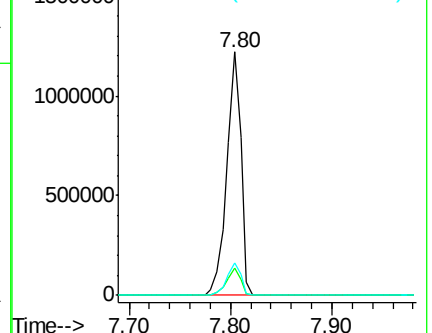
127 13.4 10.8 16.2



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: 2.316 ng

RT: 7.66 min Scan# 981

Delta R.T. 0.02 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

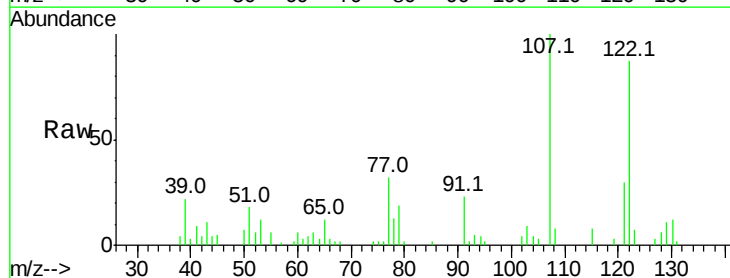
Tgt Ion:122 Resp: 16186

Ion Ratio Lower Upper

122 100

105 3.8 103.3 143.3#

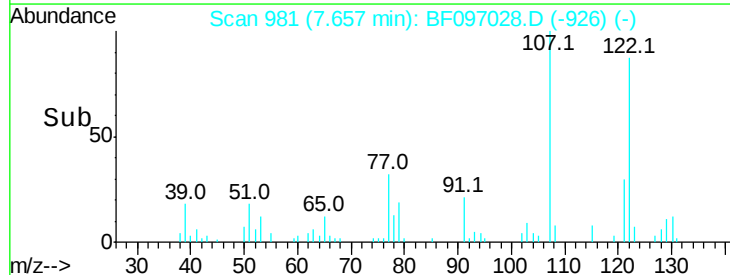
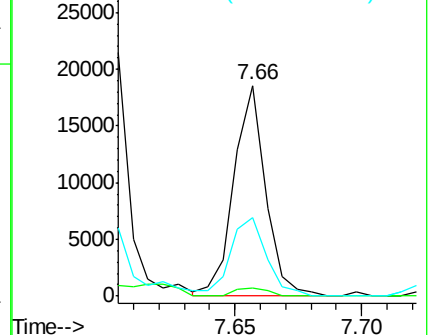
77 37.1 73.7 113.7#

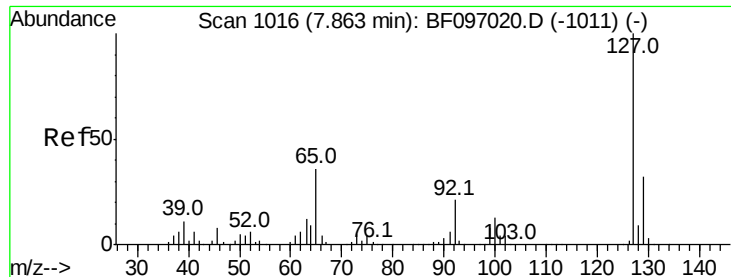


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

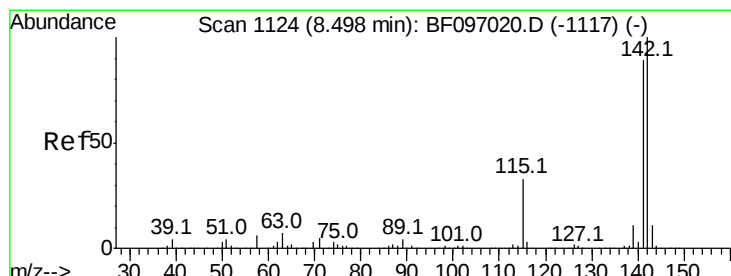
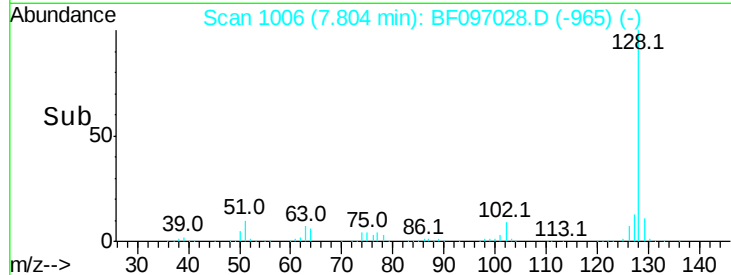
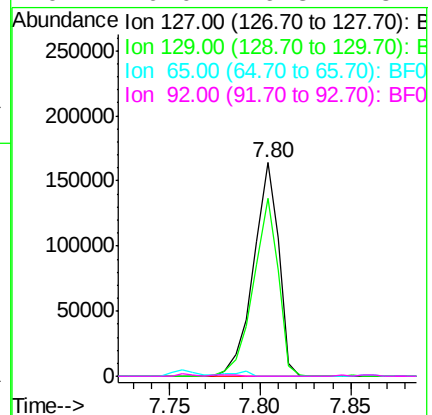
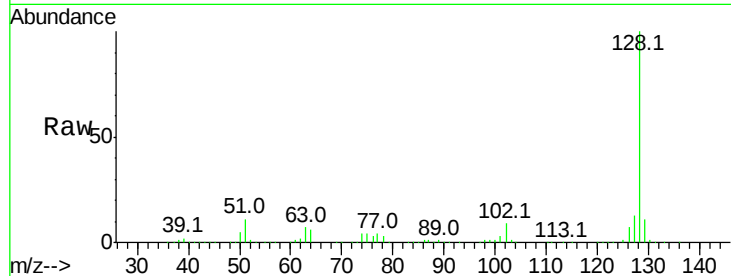




#33
4-Chloroaniline
Concen: 13.963 ng
RT: 7.80 min Scan# 1006
Delta R.T. -0.06 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

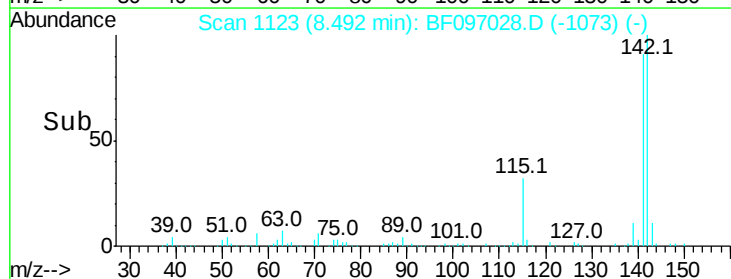
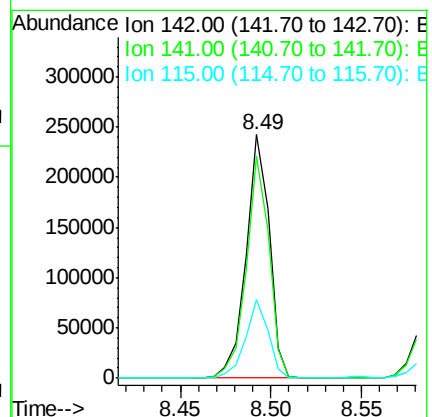
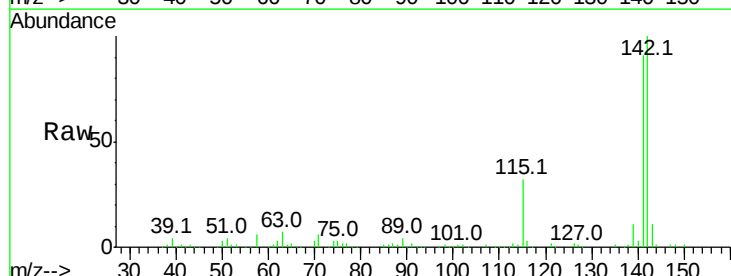
Instrument :
BNA_F
ClientSampleId :

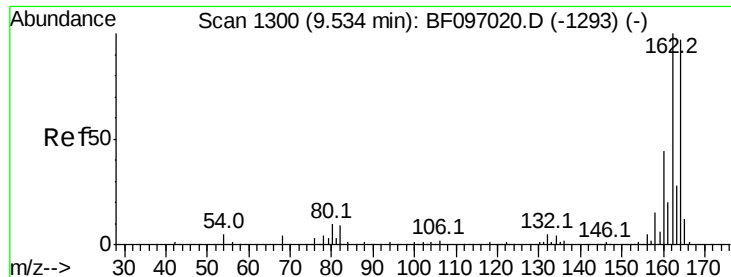
Tot Ion:127 Resp: 158183
Ion Ratio Lower Upper
127 100
129 83.2 26.2 39.2#
65 0.0 27.8 41.8#
92 0.0 16.8 25.2#



#37
2-Methylnaphthalene
Concen: 12.283 ng
RT: 8.49 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

Tgt Ion:142 Resp: 216521
Ion Ratio Lower Upper
142 100
141 91.1 71.3 106.9
115 32.2 27.1 40.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.53 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

Instrument :

BNA_F

ClientSampleId :

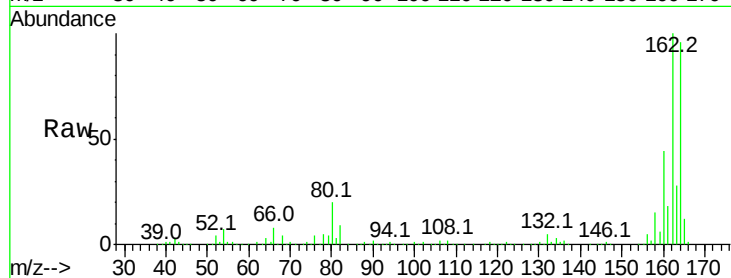
Tot Ion:164 Resp: 269197

Ion Ratio Lower Upper

164 100

162 104.2 82.6 123.8

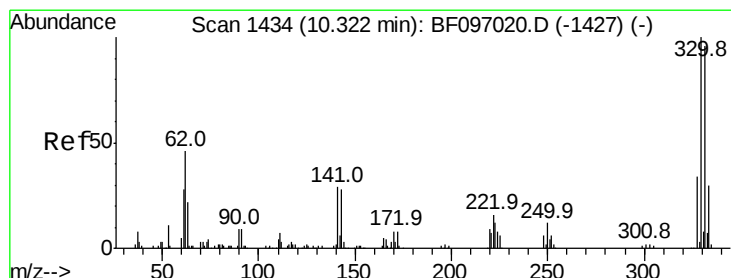
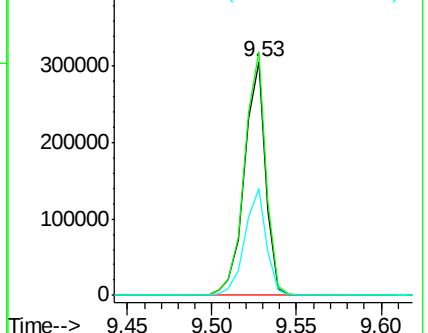
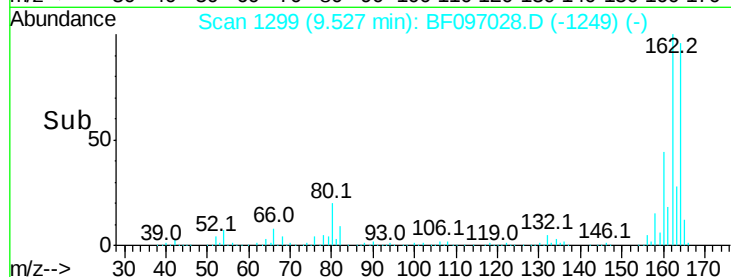
160 45.7 36.2 54.2



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



#41

2,4,6-Tribromophenol

Concen: 4.079 ng

RT: 10.31 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

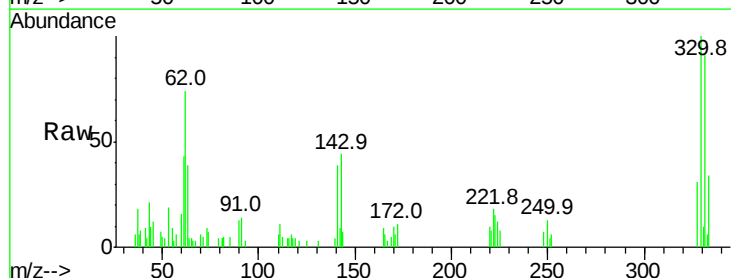
Tgt Ion:330 Resp: 8675

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

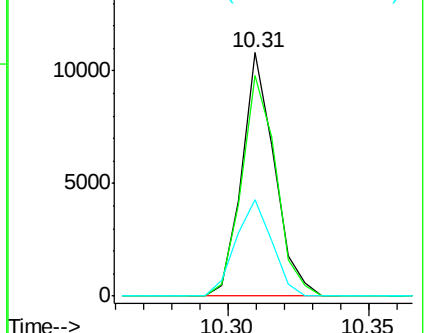
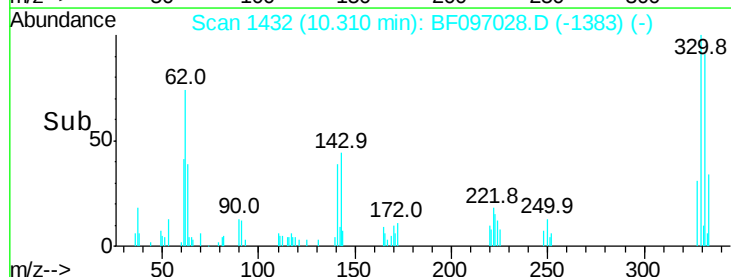
141 43.7 31.4 47.2

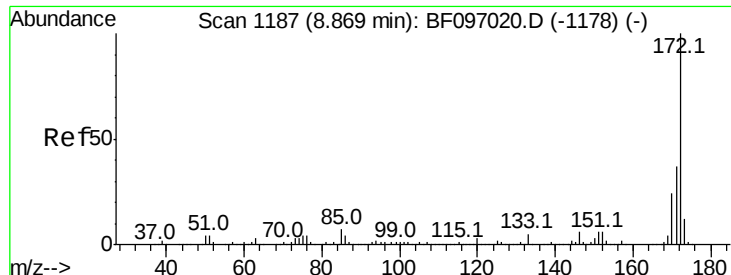


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

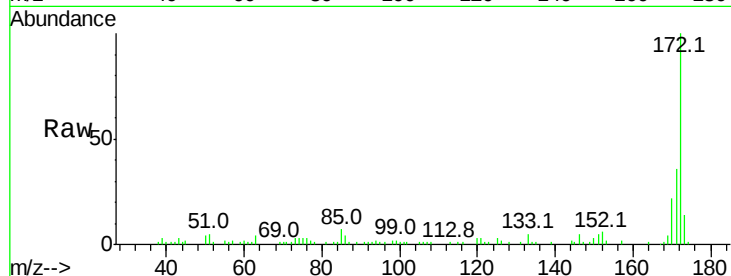




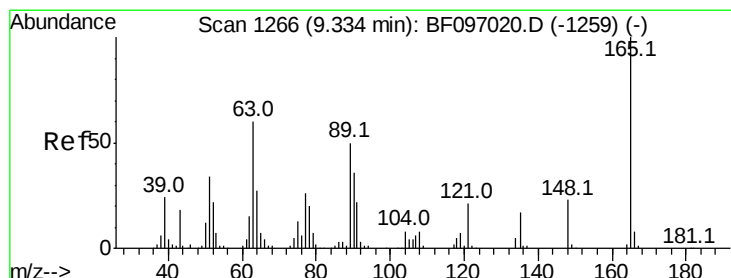
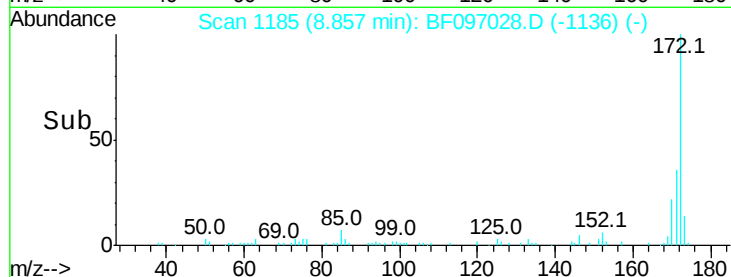
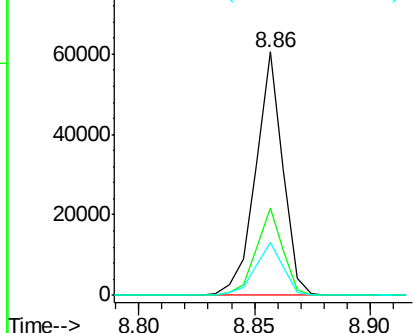
#44
 2-Fluorobiphenyl
 Concen: 3.132 ng
 RT: 8.86 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF097028.D
 Acq: 25 Jul 2017 14:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	21.9	19.8	29.8

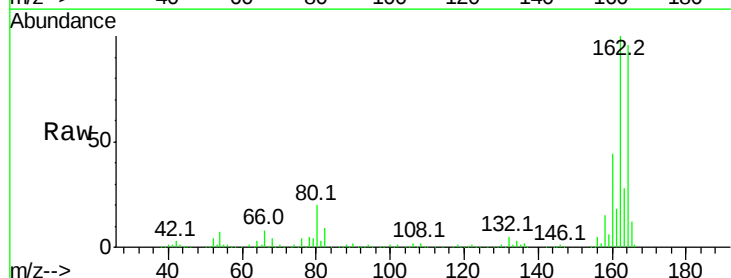


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

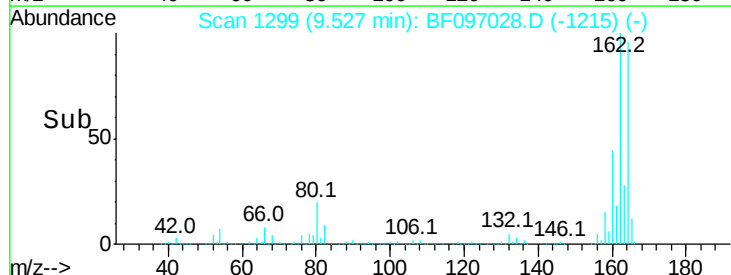
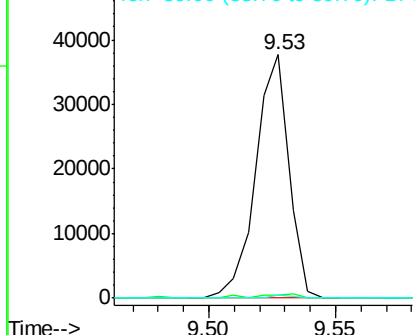


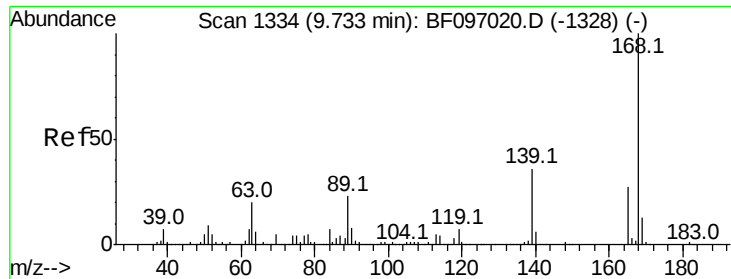
#50
 2,6-Dinitrotoluene
 Concen: 7.953 ng
 RT: 9.53 min Scan# 1299
 Delta R.T. 0.19 min
 Lab File: BF097028.D
 Acq: 25 Jul 2017 14:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.4	37.1	55.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

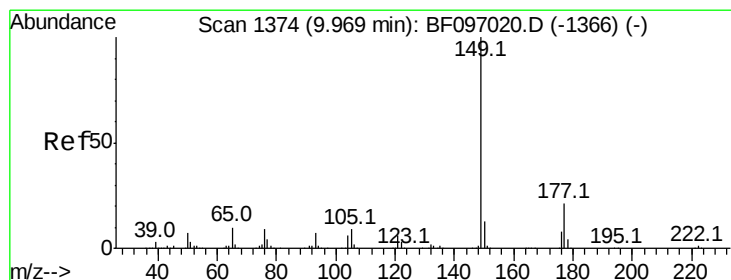
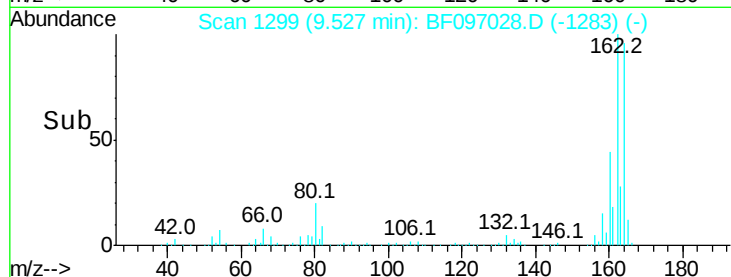
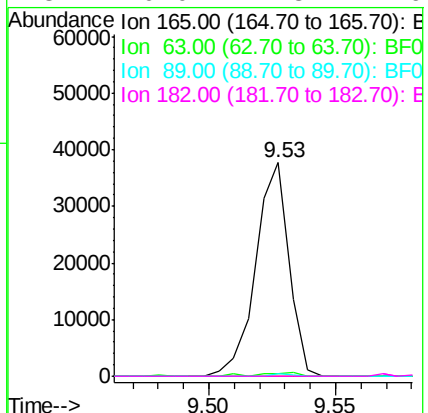
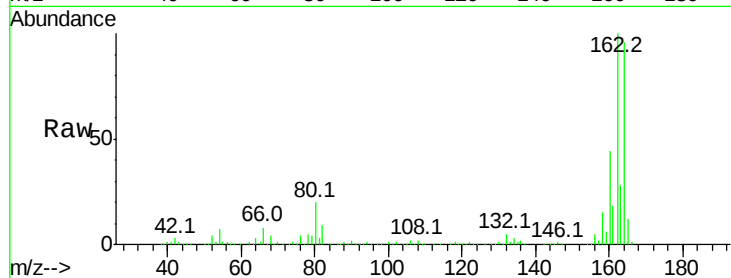




#56
2,4-Dinitrotoluene
Concen: 6.918 ng
RT: 9.53 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

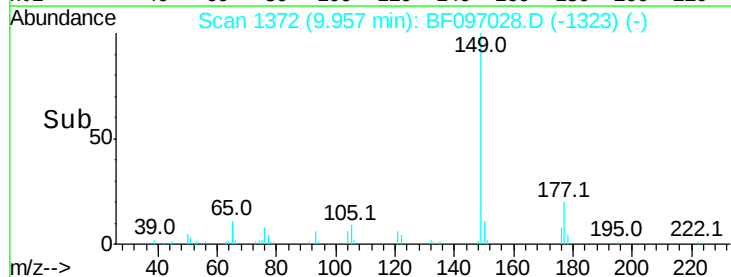
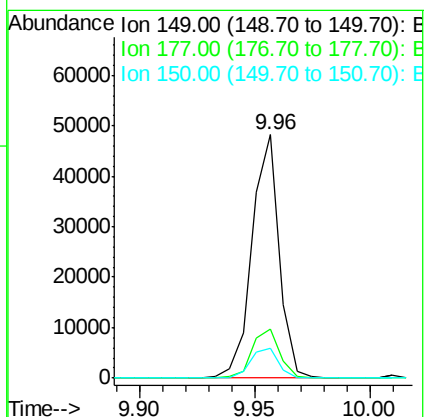
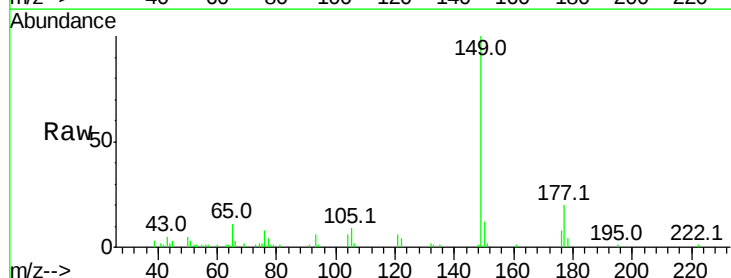
Instrument :
BNA_F
ClientSampleId :

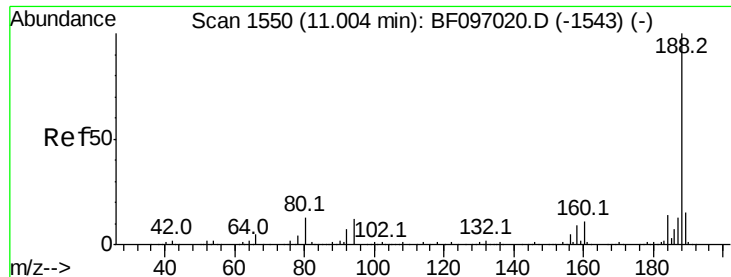
Tot Ion	Ratio	Resp	Lower	Upper
165	100	34482		
63	1.1	25.4	38.0#	
89	1.4	46.4	69.6#	
182	0.0	1.8	2.6#	



#59
Diethylphthalate
Concen: 2.119 ng
RT: 9.96 min Scan# 1372
Delta R.T. -0.01 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	39747		
177	20.1	16.7	25.1	
150	12.2	10.2	15.2	

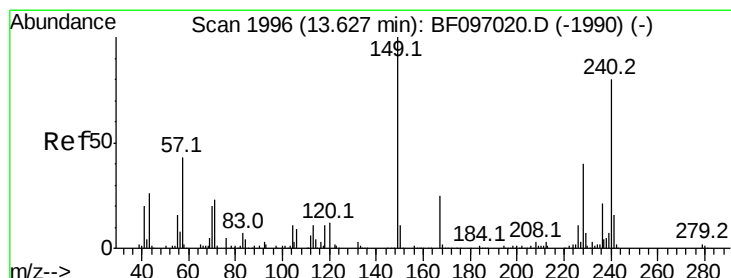
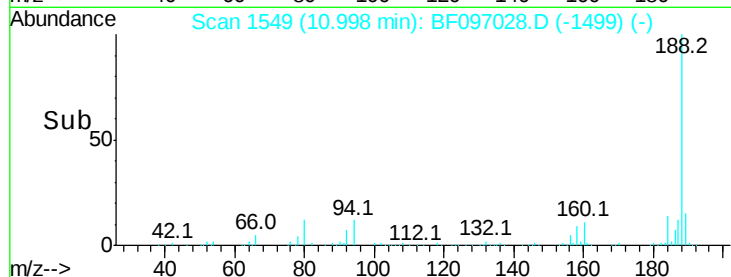
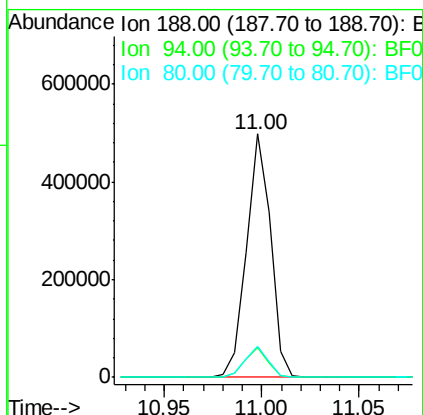
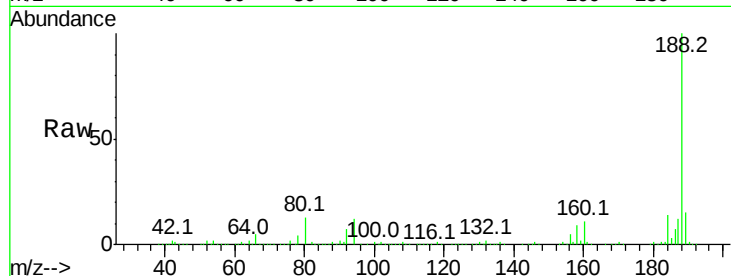




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.00 min Scan# 1549
Delta R.T. -0.01 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

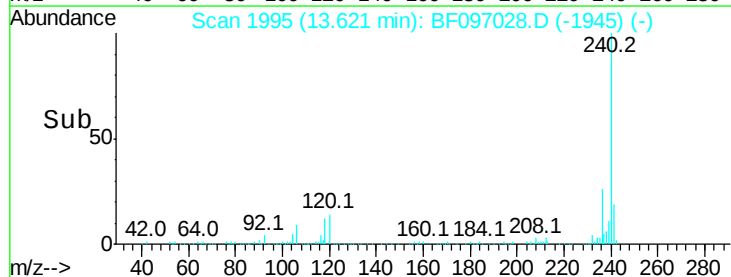
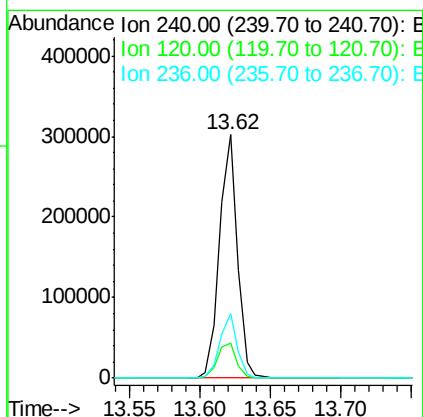
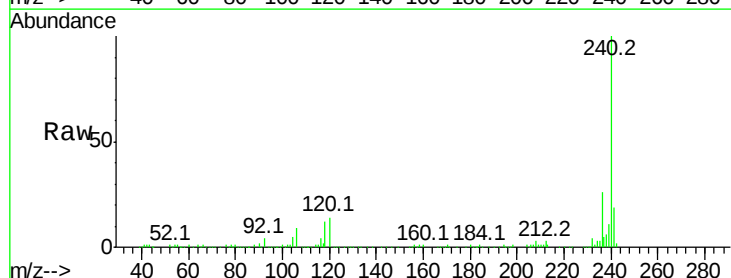
Instrument :
BNA_F
ClientSampleId :

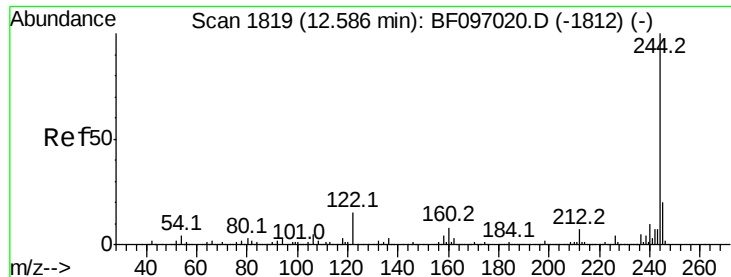
Tot Ion:188 Resp: 427454
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 12.6 10.2 15.2



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.62 min Scan# 1995
Delta R.T. -0.01 min
Lab File: BF097028.D
Acq: 25 Jul 2017 14:55

Tgt Ion:240 Resp: 266622
Ion Ratio Lower Upper
240 100
120 14.3 5.8 8.8#
236 26.5 20.5 30.7





#78

Terphenyl-d14

Concen: 2.352 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

Instrument :

BNA_F

ClientSampleId :

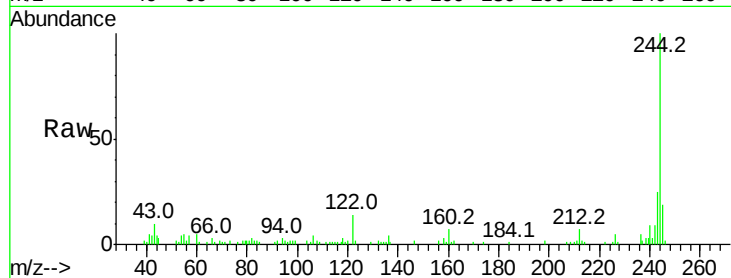
Tot Ion:244 Resp: 30752

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

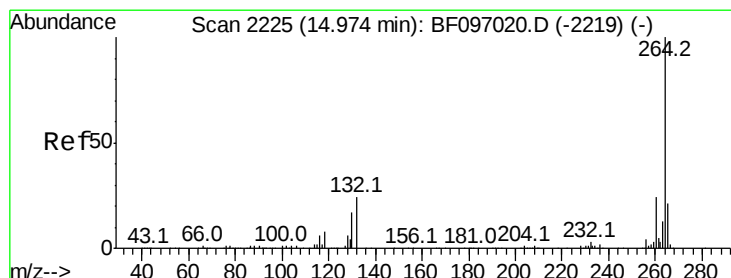
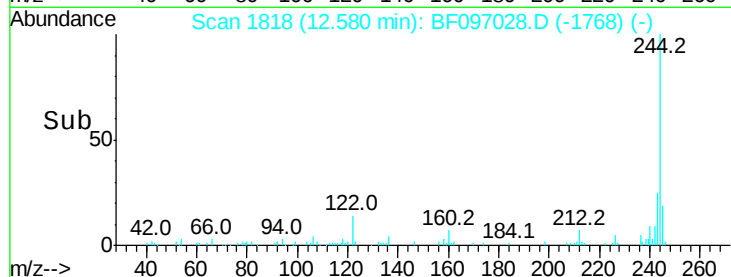
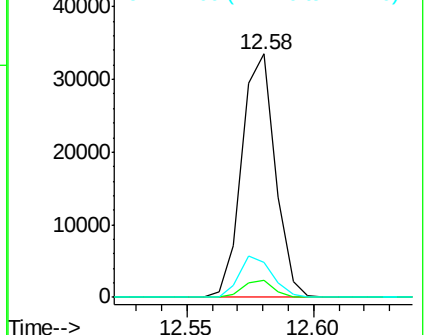
122 14.5 10.3 15.5



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: 14.97 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF097028.D

Acq: 25 Jul 2017 14:55

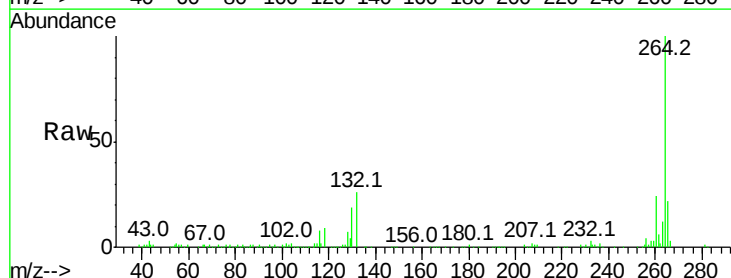
Tgt Ion:264 Resp: 188676

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 22.0 17.2 25.8



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

