

Data File : BF096948.D
Acq On : 21 Jul 2017 17:08
Operator : SJ/JU
Sample : I4290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-5

Quant Time: Jul 21 23:12:35 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	120909	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	499260	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	213924	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	310228	20.00	ng	-0.05
75) Chrysene-d12	13.68	240	211672	20.00	ng	-0.05
86) Perylene-d12	15.04	264	212297	20.00	ng	-0.06

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	1005384	125.03	ng	-0.04
7) Phenol-d6	6.22	99	1208665	125.25	ng	-0.04
23) Nitrobenzene-d5	7.12	82	697944	86.59	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	207468	113.62	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	1110260	82.00	ng	-0.05
78) Terphenyl-d14	12.64	244	713709	58.48	ng	-0.05

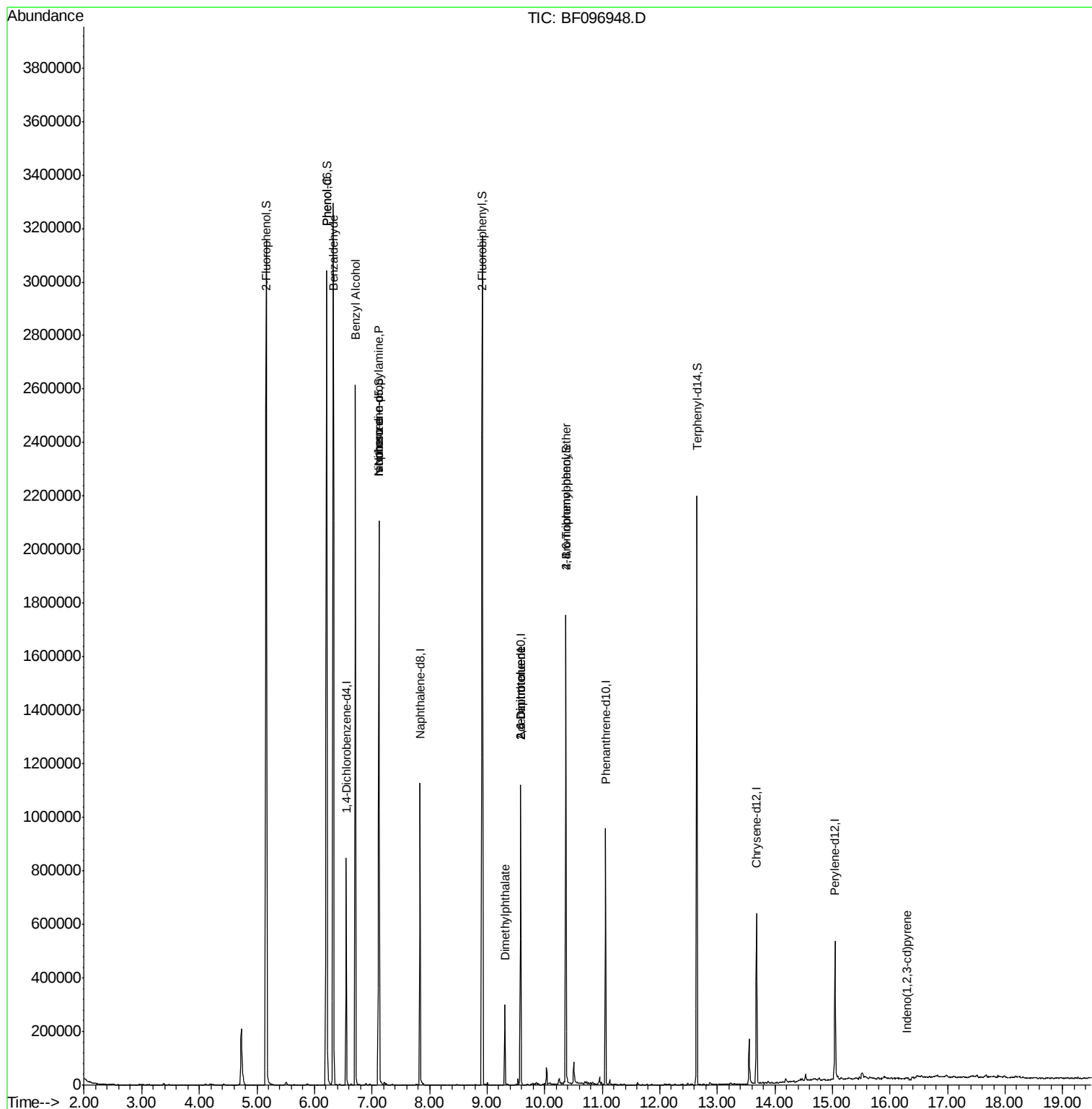
Target Compounds						Qvalue
9) Benzaldehyde	6.33	77	19761	3.54	ng	85
10) Phenol	6.22	94	45400	4.16	ng	95
15) Benzyl Alcohol	6.71	79	14143	2.24	ng	# 44
19) n-Nitroso-di-n-propylamine	7.12	70	92973	15.99	ng	# 87
25) Isophorone	7.12	82	687145	45.83	ng	# 67
49) Dimethylphthalate	9.31	163	110569	6.86	ng	98
50) 2,6-Dinitrotoluene	9.58	165	26894	7.71	ng	# 34
56) 2,4-Dinitrotoluene	9.58	165	26894	6.00	ng	# 33
66) 4-Bromophenyl-phenylether	10.37	248	13025	4.11	ng	# 1
85) Indeno(1,2,3-cd)pyrene	16.30	276	558	3.37	ng	# 64

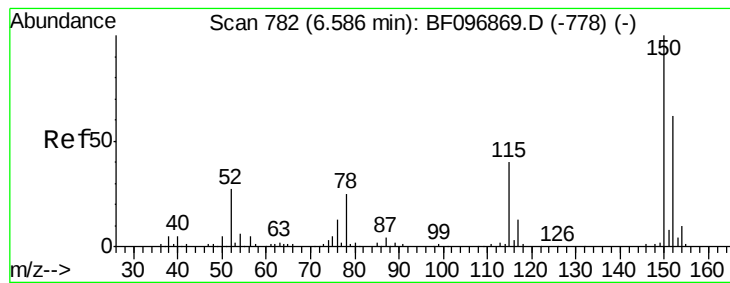
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 13 Sample Multiplier: 1

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.55 min Scan# 776

Delta R.T. -0.05 min

Lab File: BF096948.D

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ClientSampleId :

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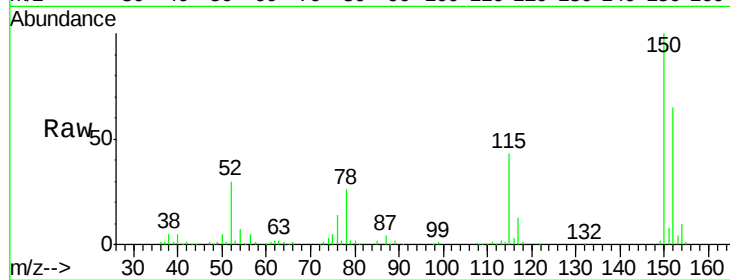
Tgt Ion:152 Resp: 120909

Ion Ratio Lower Upper

152 100

150 153.7 126.2 189.2

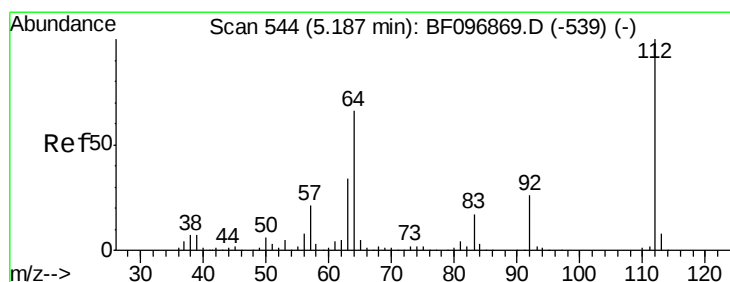
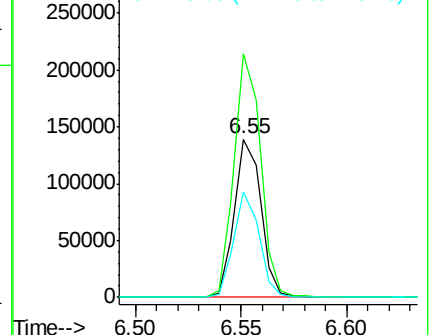
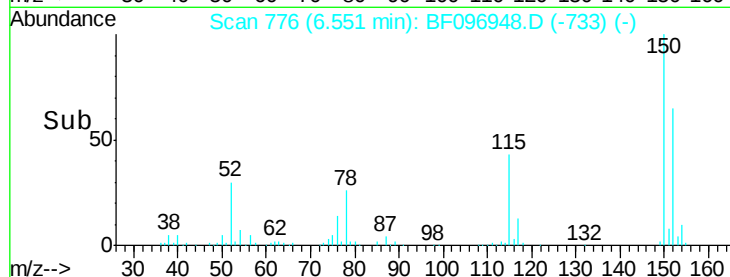
115 66.2 52.2 78.2



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: 125.03 ng

RT: 5.16 min Scan# 540

Delta R.T. -0.04 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

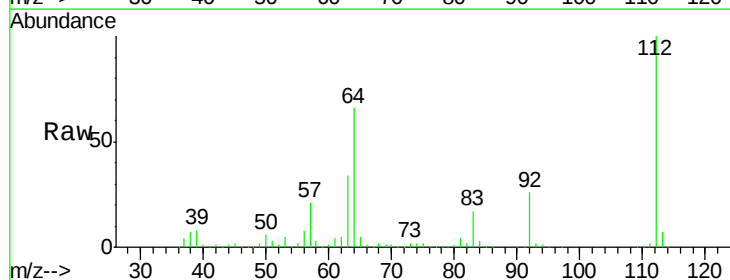
Tgt Ion:112 Resp: 1005384

Ion Ratio Lower Upper

112 100

64 66.5 46.0 69.0

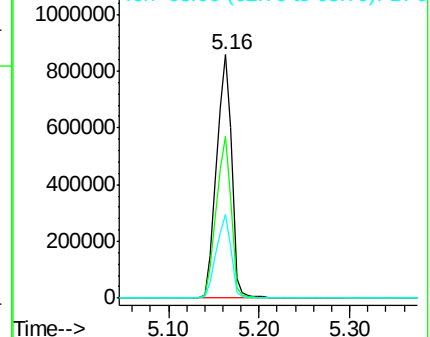
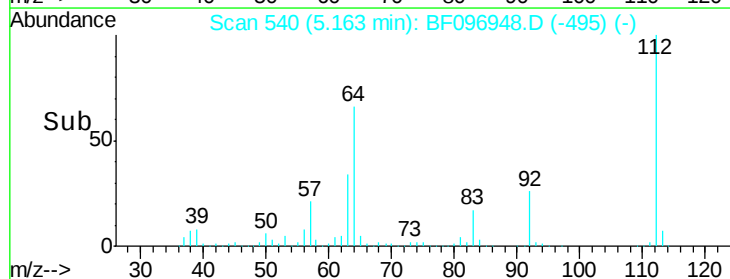
63 34.4 23.4 35.0

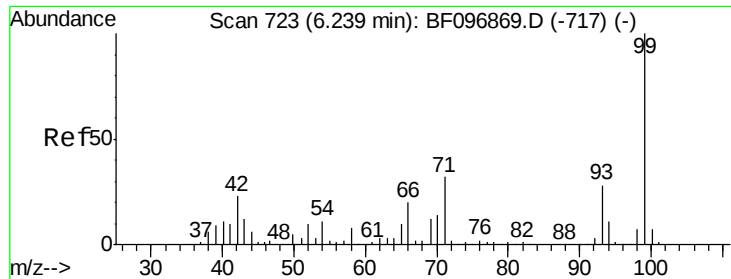


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 125.25 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

Instrument :

BNA_F

ClientSampled :

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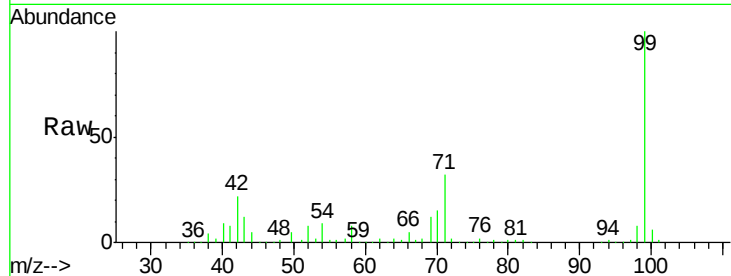
Tgt Ion: 99 Resp: 1208665

Ion Ratio Lower Upper

99 100

42 22.3 13.5 20.3#

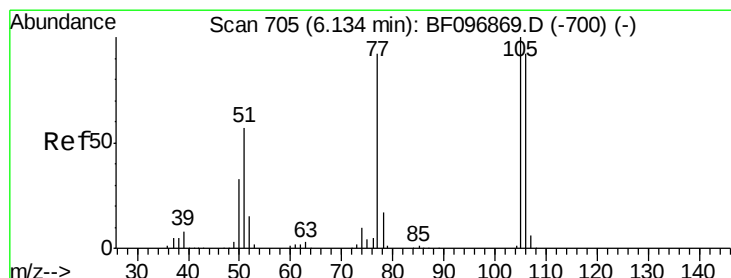
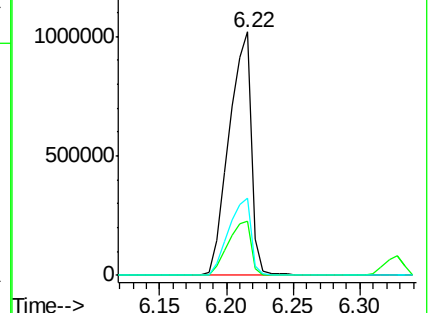
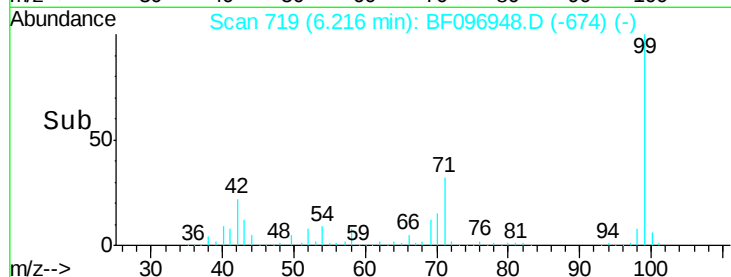
71 31.8 24.5 36.7



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



#9

Benzaldehyde

Concen: 3.54 ng

RT: 6.33 min Scan# 738

Delta R.T. 0.18 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

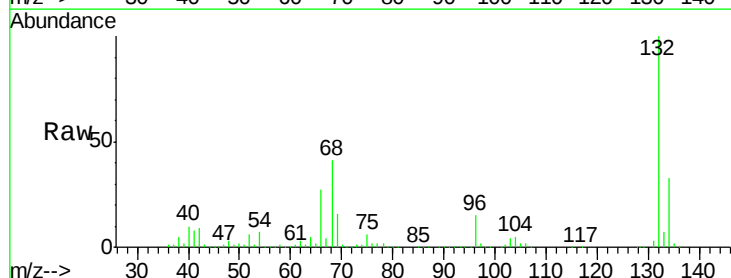
Tgt Ion: 77 Resp: 19761

Ion Ratio Lower Upper

77 100

105 85.9 83.8 123.8

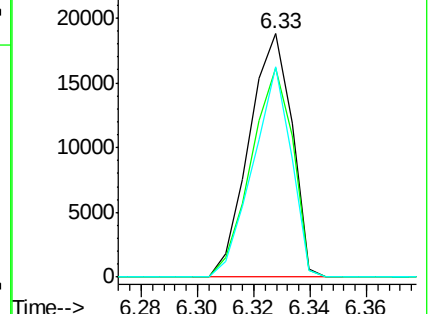
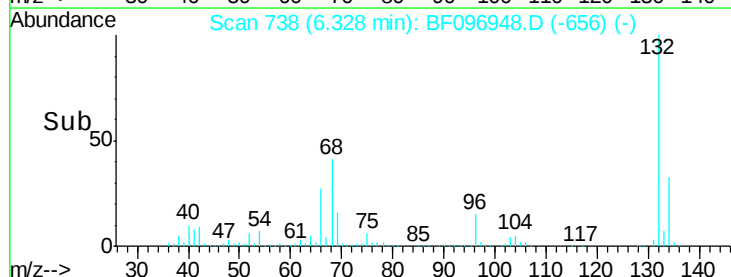
106 86.5 79.1 119.1

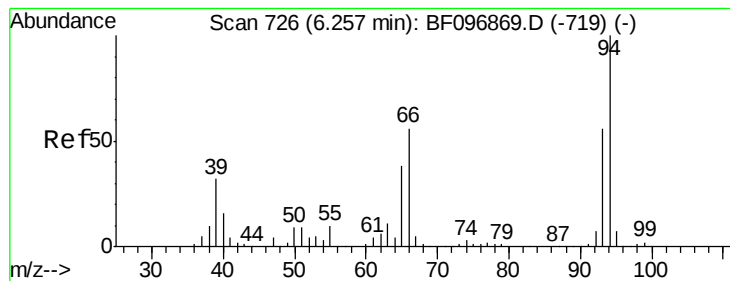


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.16 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

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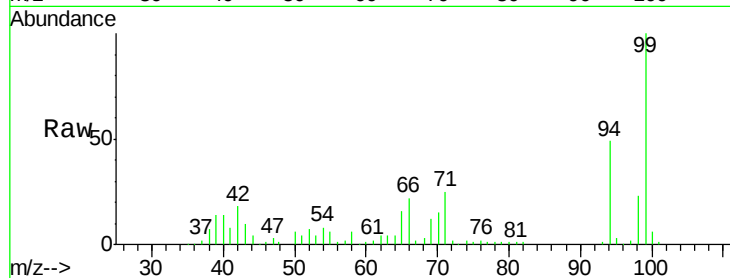
Tgt Ion: 94 Resp: 45400

Ion Ratio Lower Upper

94 100

65 33.0 9.9 49.9

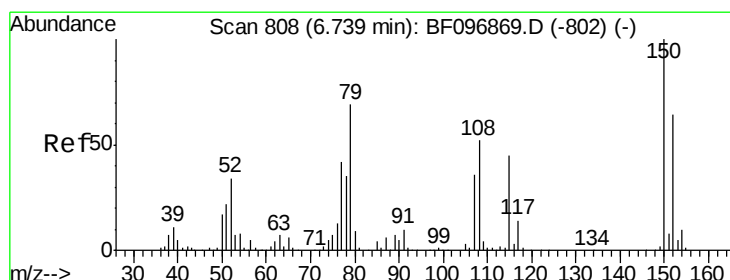
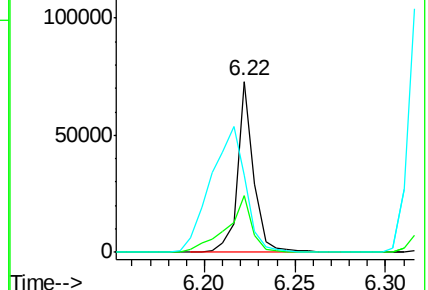
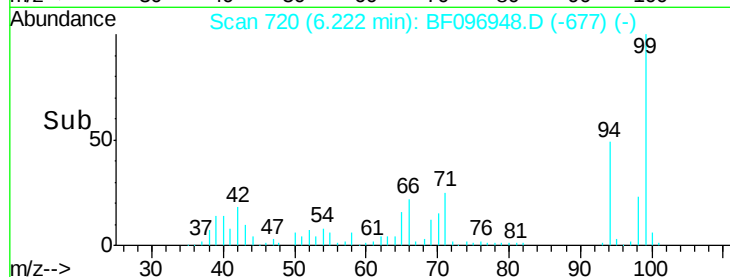
66 45.5 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 6.71 min Scan# 803

Delta R.T. -0.04 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

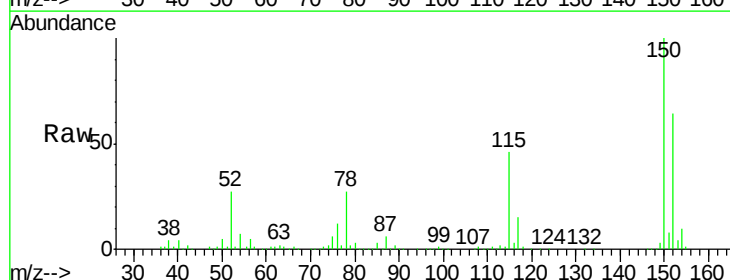
Tgt Ion: 79 Resp: 14143

Ion Ratio Lower Upper

79 100

108 32.1 63.4 95.0#

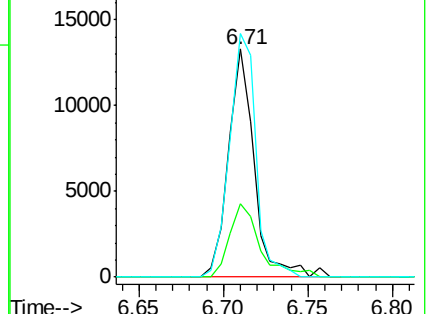
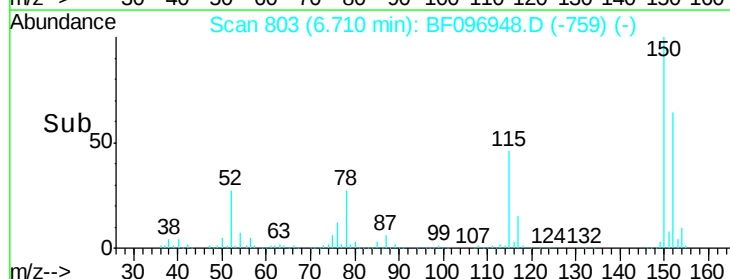
77 106.8 49.2 73.8#

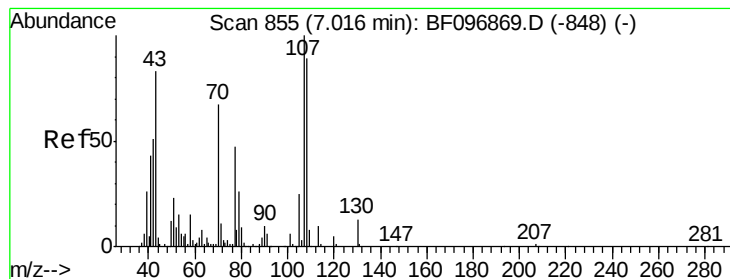


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 15.99 ng

RT: 7.12 min Scan# 873

Delta R.T. 0.09 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 70 Resp: 92973

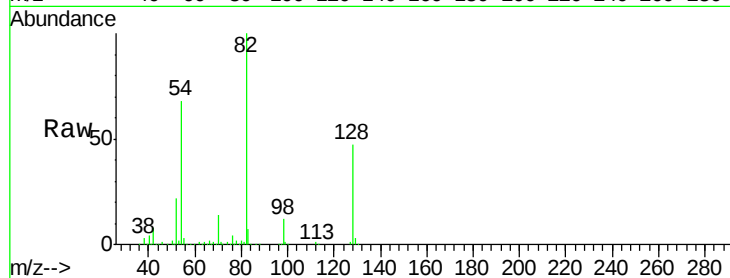
Ion Ratio Lower Upper

70 100

42 60.8 47.2 70.8

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

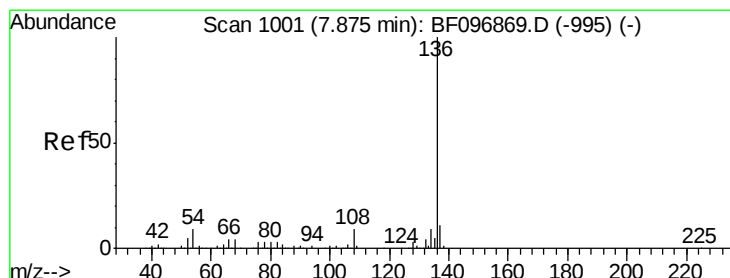
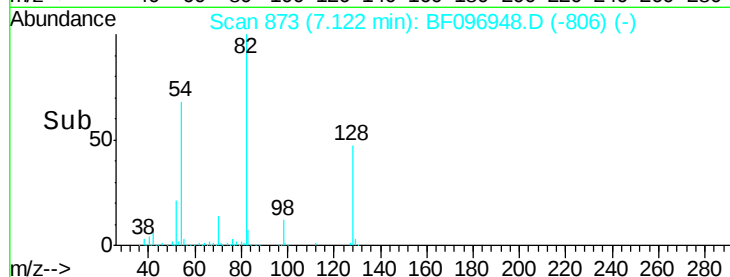
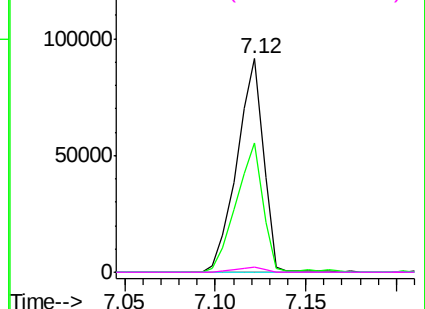


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

Tgt Ion: 136 Resp: 499260

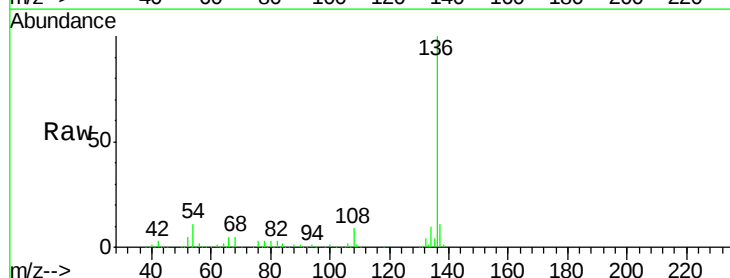
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.7 4.9 7.3#

68 5.2 4.1 6.1

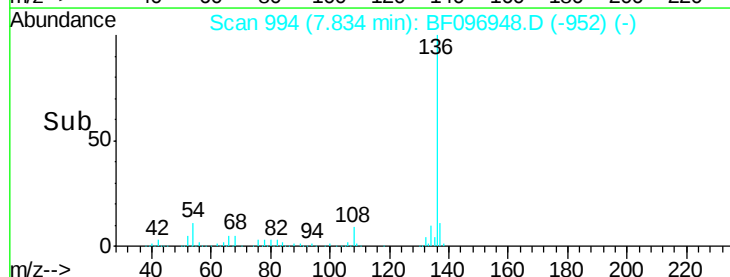
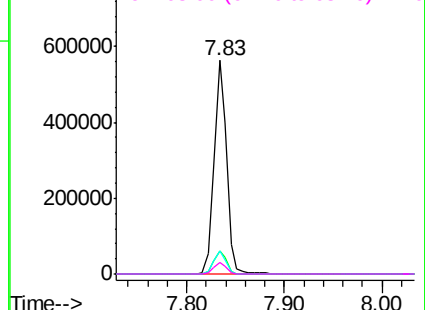


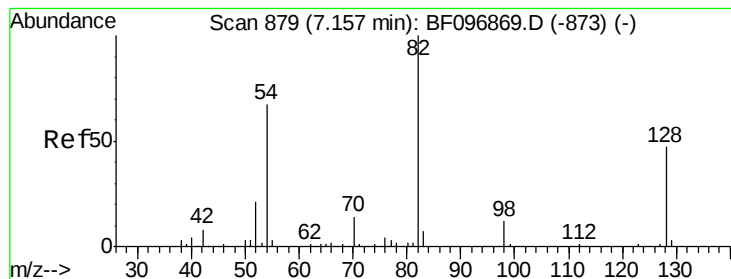
Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.59 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

Instrument :

BNA_F

ClientSampled :

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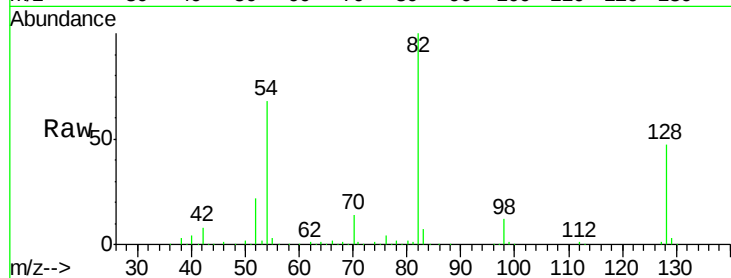
Tgt Ion: 82 Resp: 697944

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

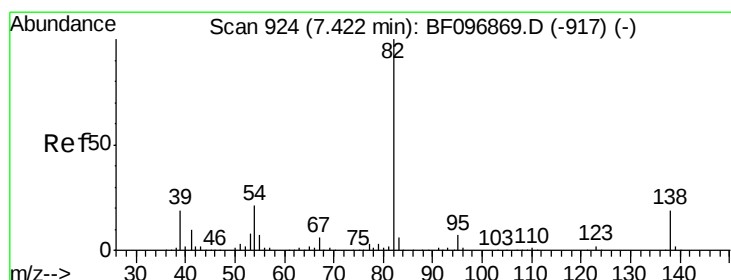
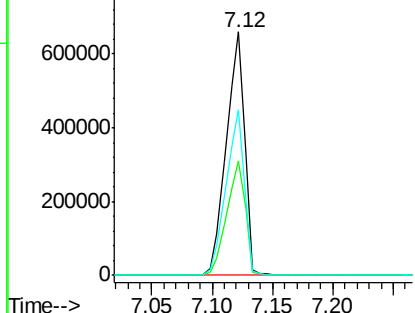
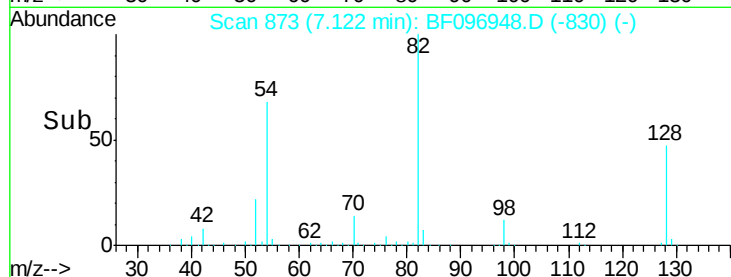
54 67.8 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 45.83 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.31 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

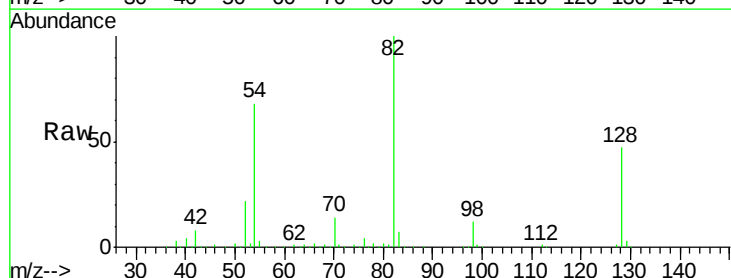
Tgt Ion: 82 Resp: 687145

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

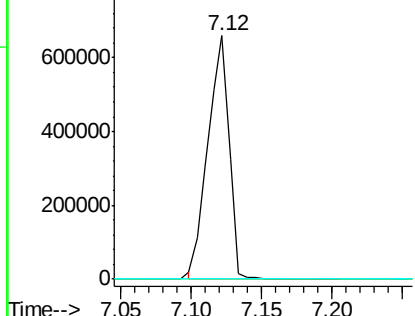
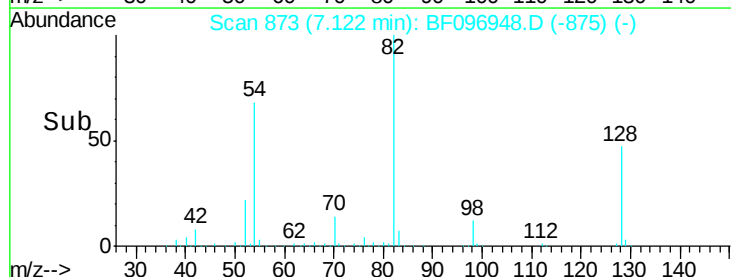
138 0.0 13.1 19.7#

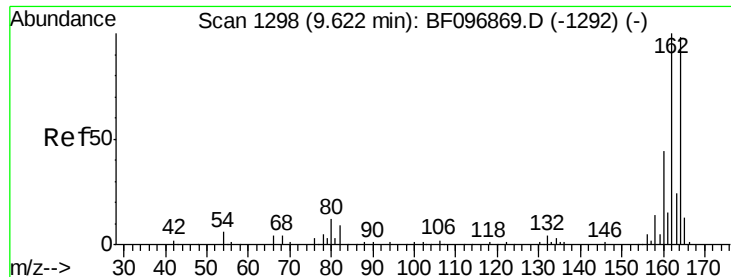


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.58 min Scan# 1291

Delta R.T. -0.05 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

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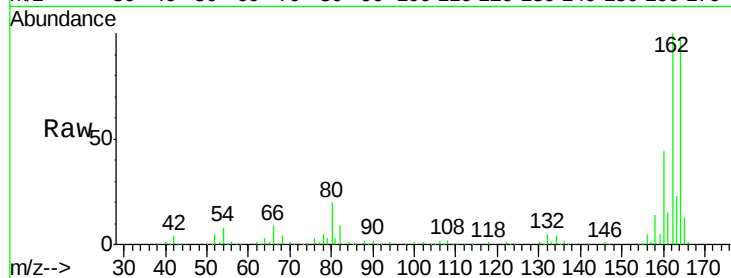
Tgt Ion:164 Resp: 213924

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

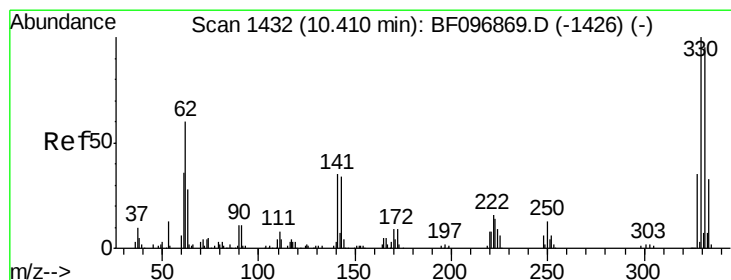
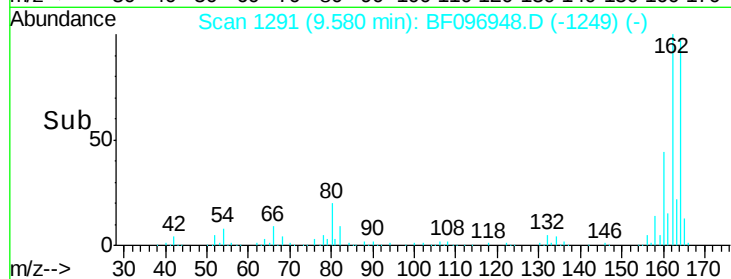
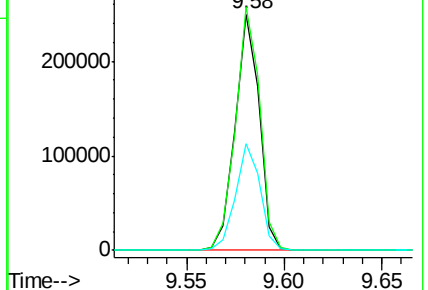
160 45.2 36.2 54.2



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: 113.62 ng

RT: 10.37 min Scan# 1426

Delta R.T. -0.05 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

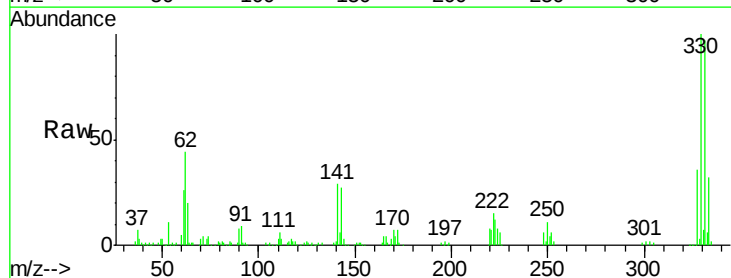
Tgt Ion:330 Resp: 207468

Ion Ratio Lower Upper

330 100

332 96.4 76.6 115.0

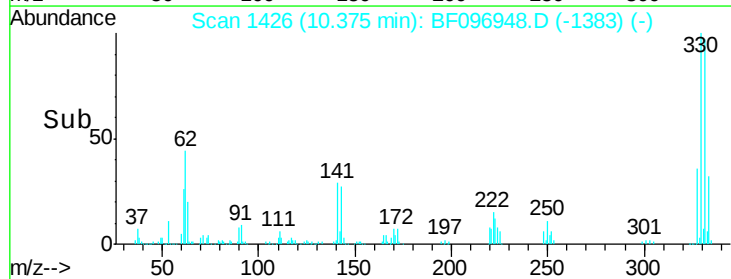
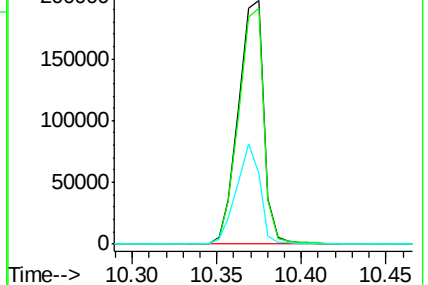
141 37.8 31.4 47.2

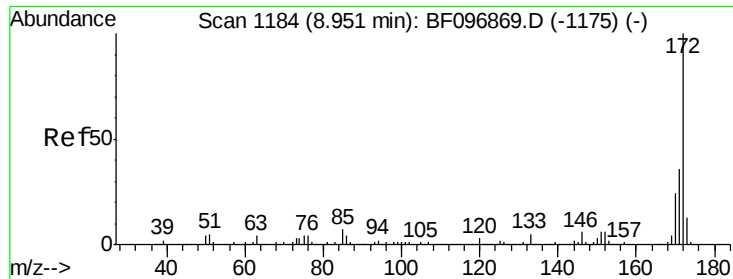


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

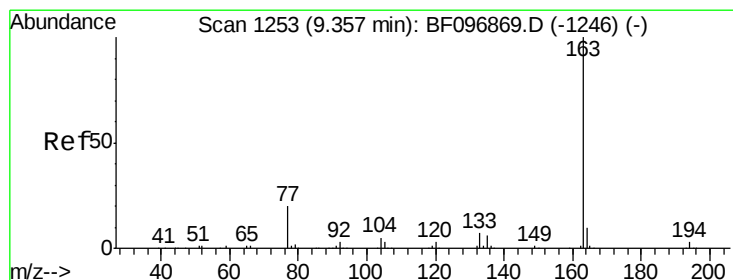
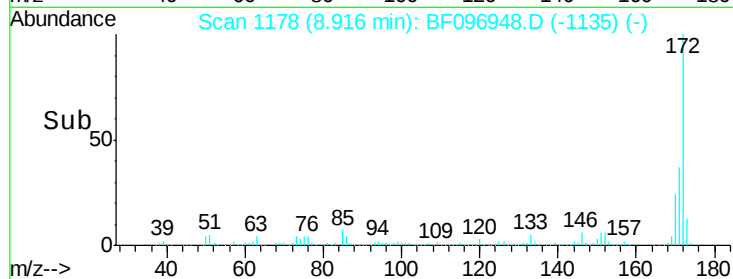
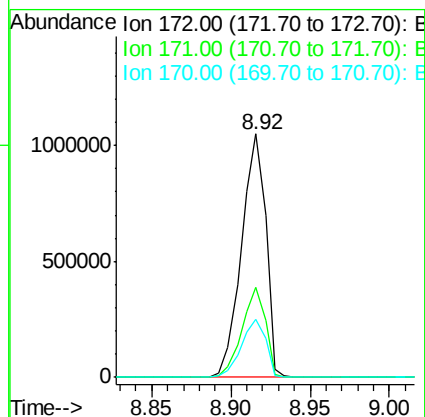
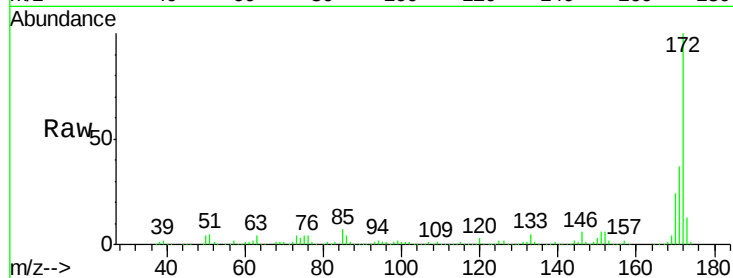




#44
2-Fluorobiphenyl
Concen: 82.00 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096948.D
Acq: 21 Jul 2017 17:08

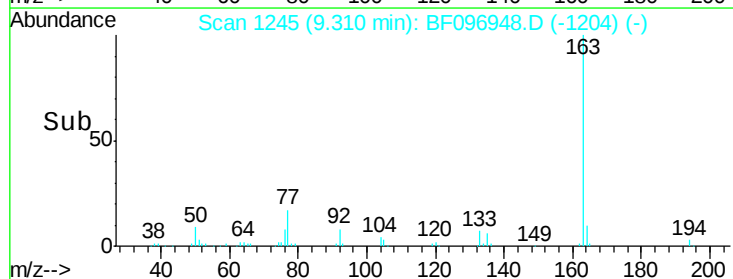
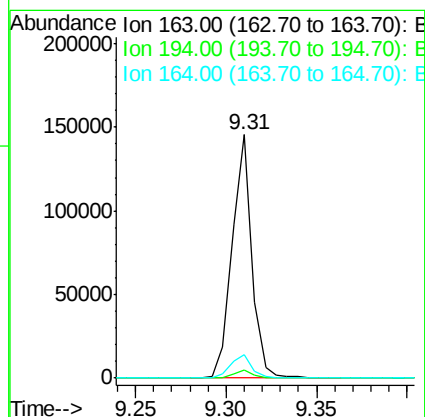
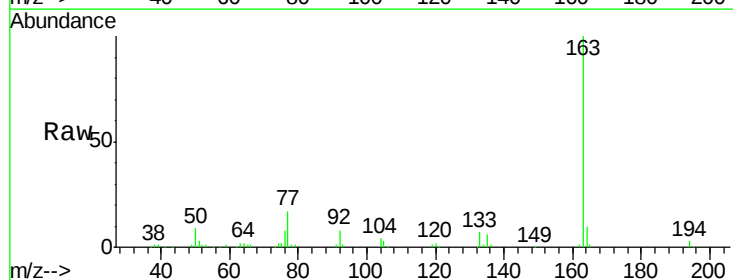
Instrument :
BNA_F
ClientSampled :
S-5

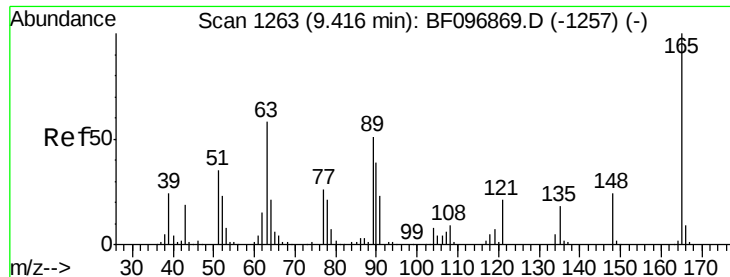
Tgt Ion:172 Resp: 1110260
Ion Ratio Lower Upper
172 100
171 37.0 29.6 44.4
170 24.0 19.8 29.8



#49
Dimethylphthalate
Concen: 6.86 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096948.D
Acq: 21 Jul 2017 17:08

Tgt Ion:163 Resp: 110569
Ion Ratio Lower Upper
163 100
194 3.1 2.6 4.0
164 9.6 8.4 12.6

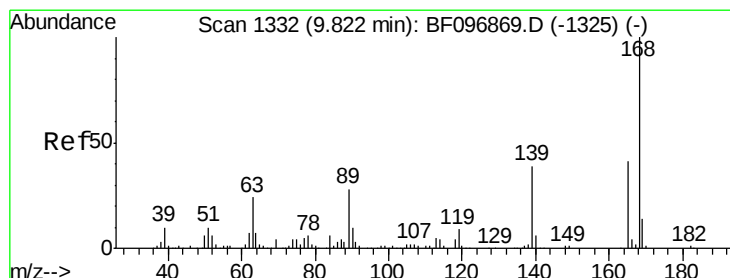
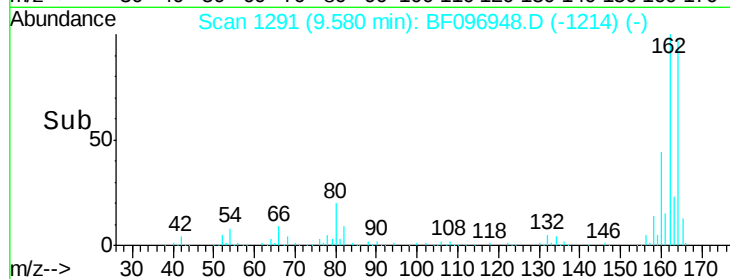
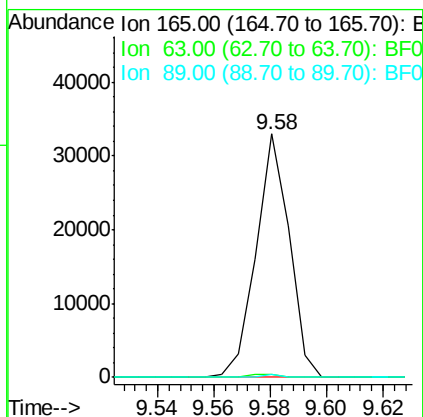
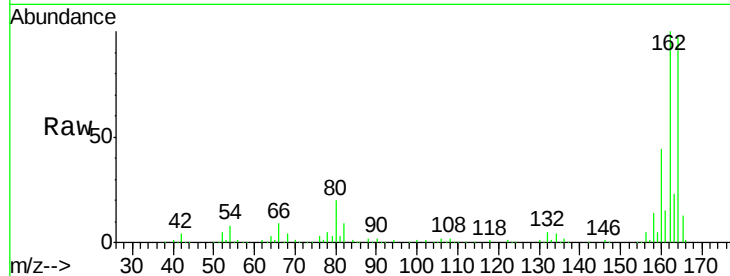




#50
 2,6-Dinitrotoluene
 Concen: 7.71 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. 0.15 min
 Lab File: BF096948.D
 Acq: 21 Jul 2017 17:08

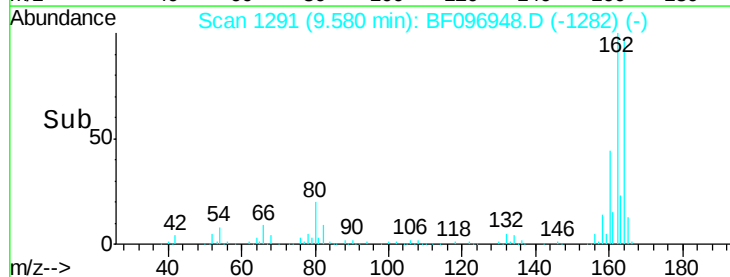
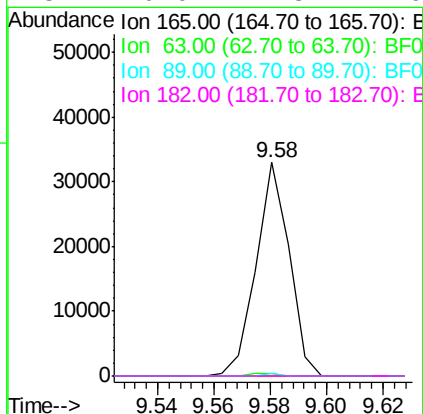
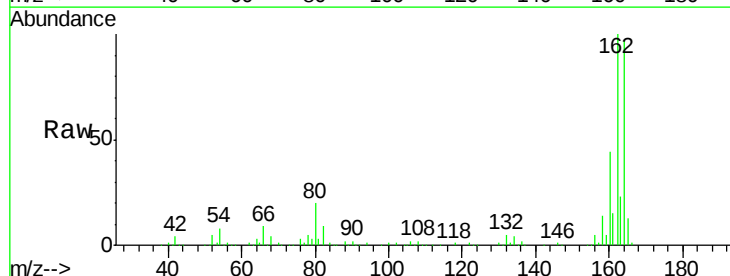
Instrument :
 BNA_F
 ClientSampleId :
 S-5

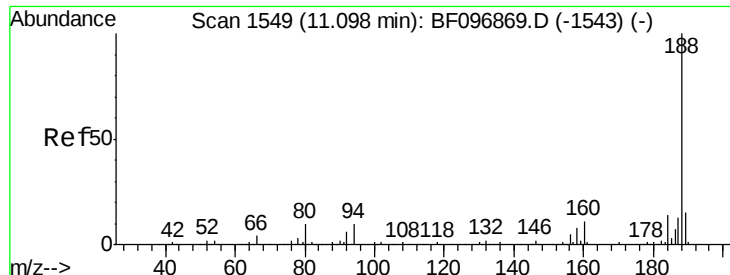
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	34.3	51.5#
89	1.4	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.00 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.25 min
 Lab File: BF096948.D
 Acq: 21 Jul 2017 17:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#

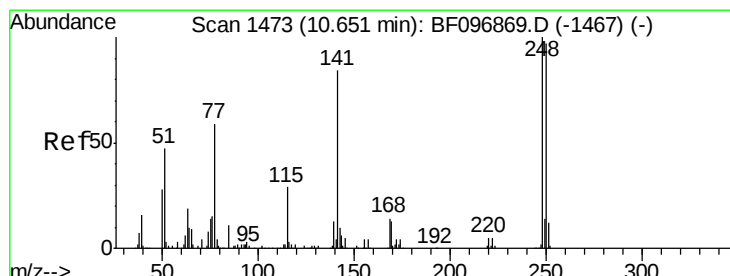
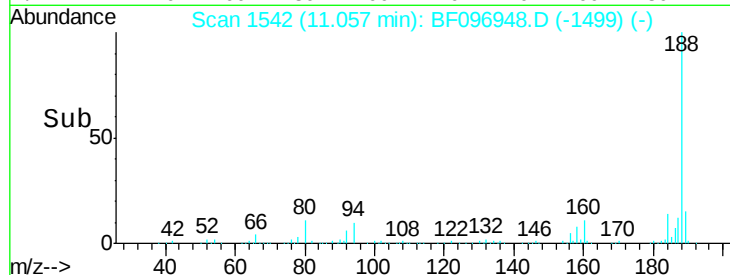
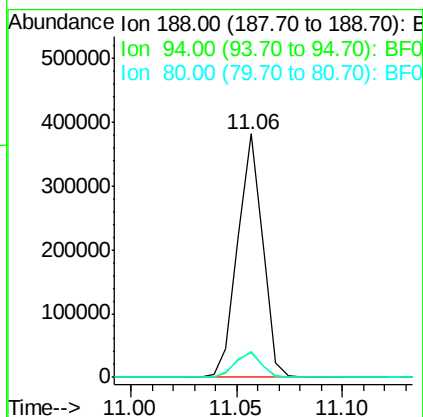
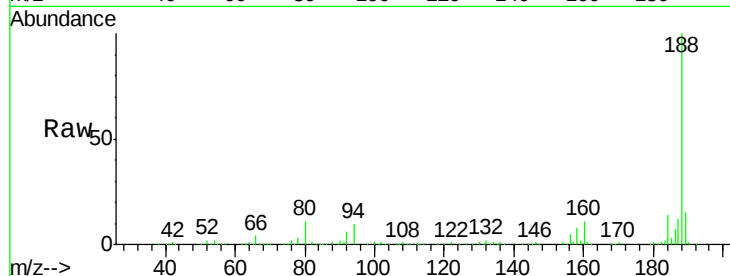




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.06 min Scan# 1542
Delta R.T. -0.05 min
Lab File: BF096948.D
Acq: 21 Jul 2017 17:08

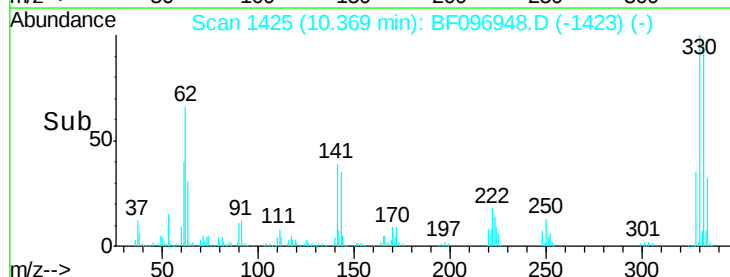
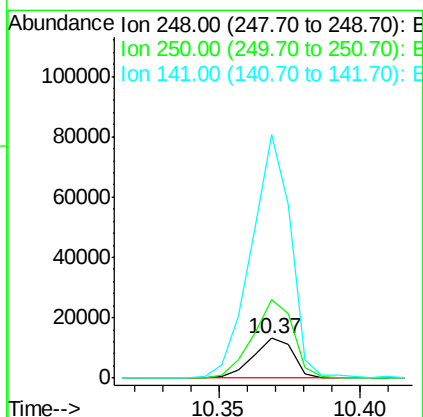
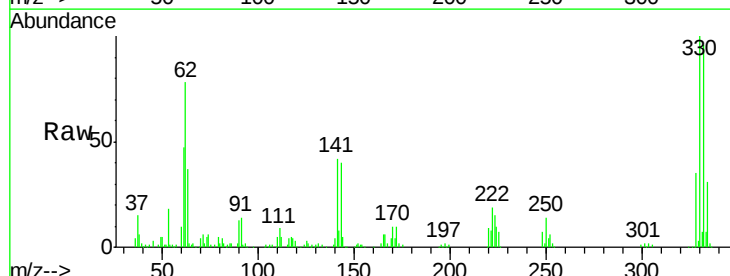
Instrument :
BNA_F
ClientSampled :
S-5

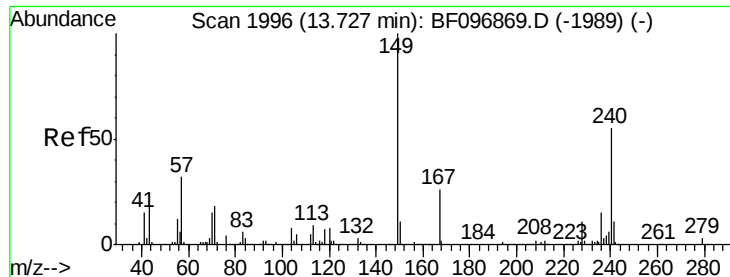
Tgt Ion:188 Resp: 310228
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 10.5 10.2 15.2



#66
4-Bromophenyl-phenylether
Concen: 4.11 ng
RT: 10.37 min Scan# 1425
Delta R.T. -0.29 min
Lab File: BF096948.D
Acq: 21 Jul 2017 17:08

Tgt Ion:248 Resp: 13025
Ion Ratio Lower Upper
248 100
250 198.4 76.8 115.2#
141 616.8 68.6 103.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.68 min Scan# 1988

Delta R.T. -0.05 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

Instrument :

BNA_F

ClientSampleId :

S-5

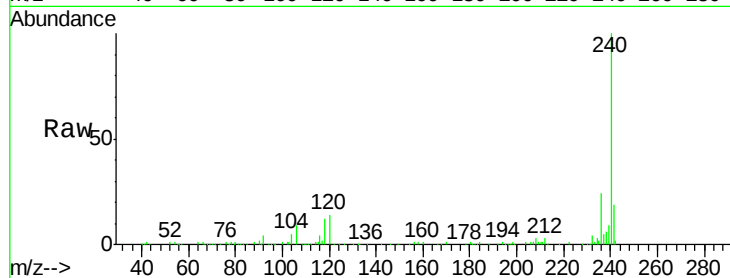
Tgt Ion:240 Resp: 211672

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

236 24.5 20.5 30.7

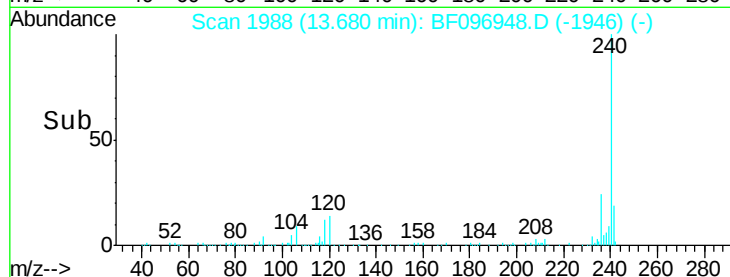


Abundance Ion 240.00 (239.70 to 240.70): E

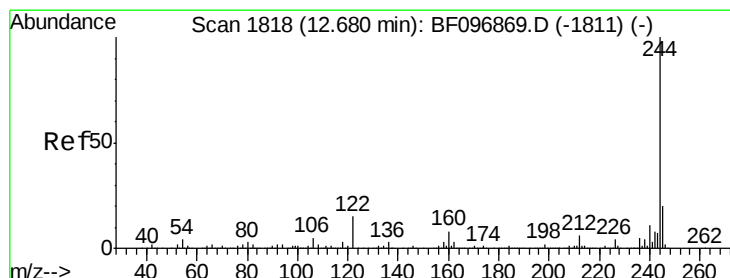
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time--> 13.60 13.70



Time--> 13.60 13.70



#78

Terphenyl-d14

Concen: 58.48 ng

RT: 12.64 min Scan# 1812

Delta R.T. -0.05 min

Lab File: BF096948.D

Acq: 21 Jul 2017 17:08

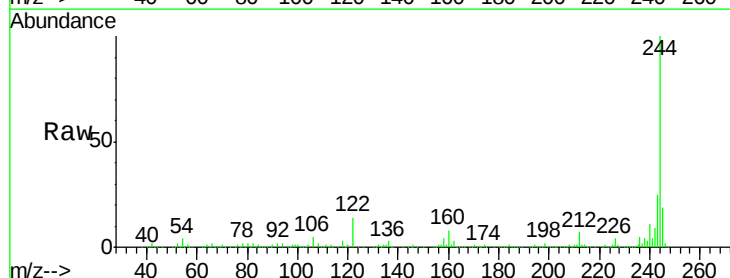
Tgt Ion:244 Resp: 713709

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

122 14.2 10.3 15.5

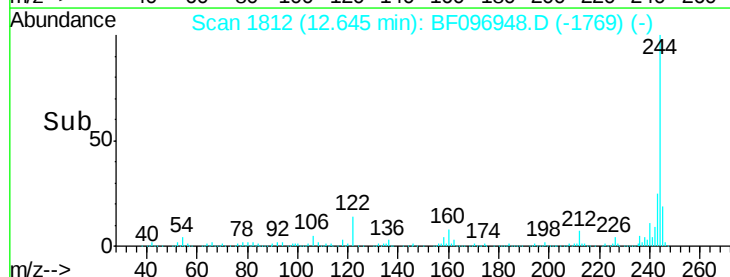


Abundance Ion 244.00 (243.70 to 244.70): E

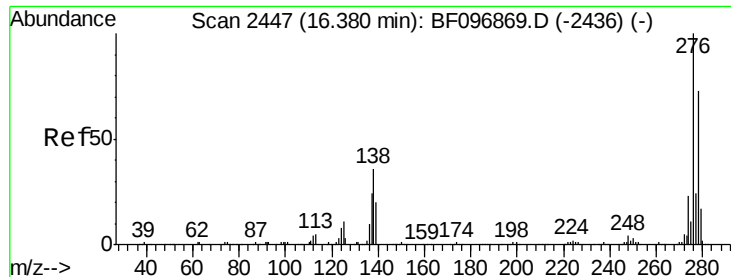
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.60 12.65 12.70



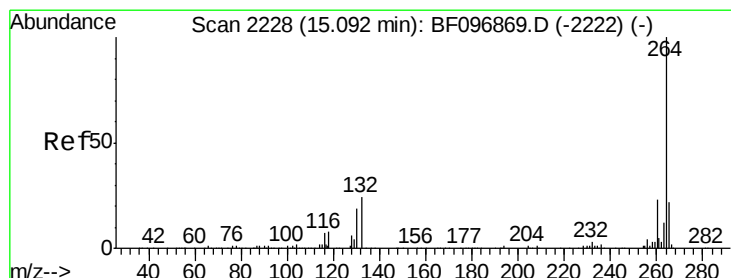
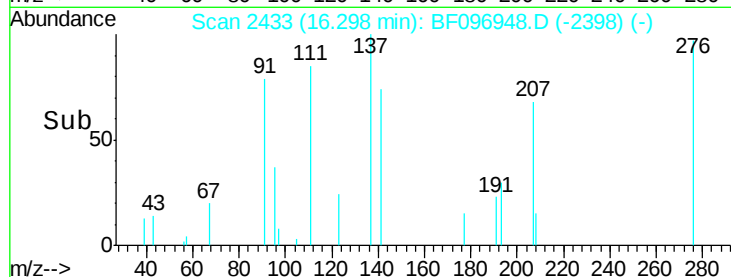
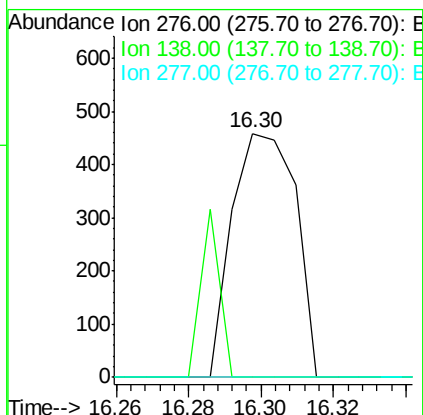
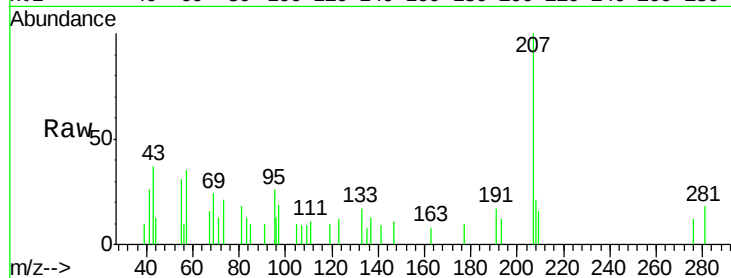
Time--> 12.60 12.65 12.70



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.37 ng
RT: 16.30 min Scan# 2433
Delta R.T. -0.09 min
Lab File: BF096948.D
Acq: 21 Jul 2017 17:08

Instrument :
BNA_F
ClientSampleId :
S-5

Tgt Ion: 276 Resp: 558
Ion Ratio Lower Upper
276 100
138 19.9 27.8 41.6#
277 0.0 20.2 30.4#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.04 min Scan# 2220
Delta R.T. -0.06 min
Lab File: BF096948.D
Acq: 21 Jul 2017 17:08

Tgt Ion: 264 Resp: 212297
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.4 17.2 25.8

