

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
 Data File : BF099056.D
 Acq On : 4 Oct 2017 3:16
 Operator : SJ/JU
 Sample : I5486-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 04 03:45:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

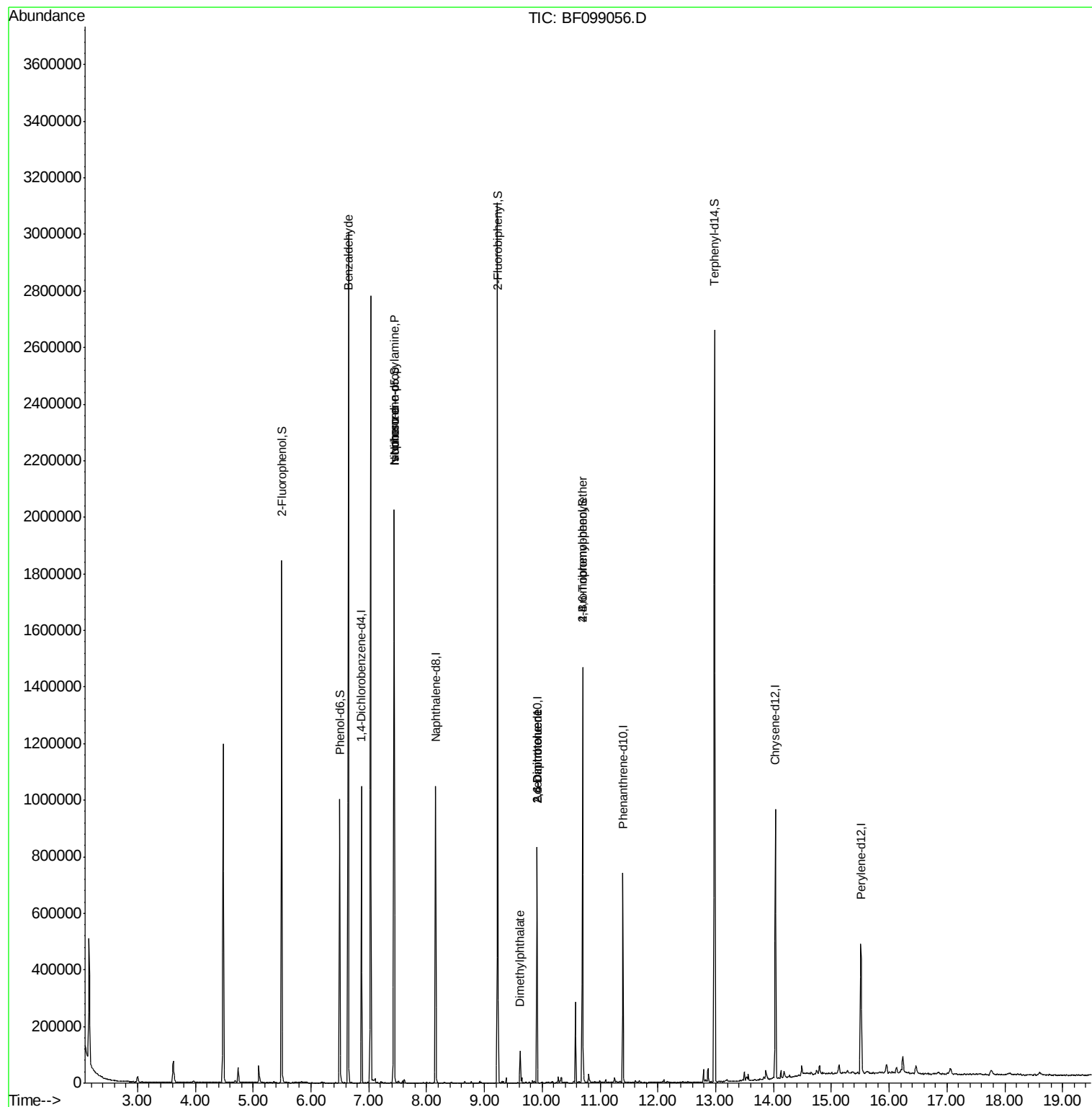
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140137	20.00	ng	-0.05
21) Naphthalene-d8	8.16	136	491442	20.00	ng	-0.05
38) Acenaphthene-d10	9.91	164	132612	20.00	ng	-0.05
63) Phenanthrene-d10	11.39	188	254016	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	262338	20.00	ng	-0.05
86) Perylene-d12	15.51	264	151881	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	503553	57.20	ng	-0.05
7) Phenol-d6	6.50	99	286515	26.38	ng	-0.05
23) Nitrobenzene-d5	7.44	82	678263	88.51	ng	-0.05
41) 2,4,6-Tribromophenol	10.70	330	151949	140.03	ng	-0.05
44) 2-Fluorobiphenyl	9.23	172	1024449	128.97	ng	-0.05
78) Terphenyl-d14	12.98	244	784450	68.00	ng	-0.05
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	16432	2.61	ng	89
19) n-Nitroso-di-n-propylamine	7.44	70	88089	12.70	ng	# 74
25) Isophorone	7.44	82	668711	42.21	ng	# 64
49) Dimethylphthalate	9.62	163	45046	4.50	ng	99
50) 2,6-Dinitrotoluene	9.91	165	16773	7.70	ng	# 27
56) 2,4-Dinitrotoluene	9.91	165	16773	5.93	ng	# 25
66) 4-Bromophenyl-phenylether	10.70	248	10532	4.24	ng	# 1

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

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

Instrument :

BNA_F

ClientSampleId :

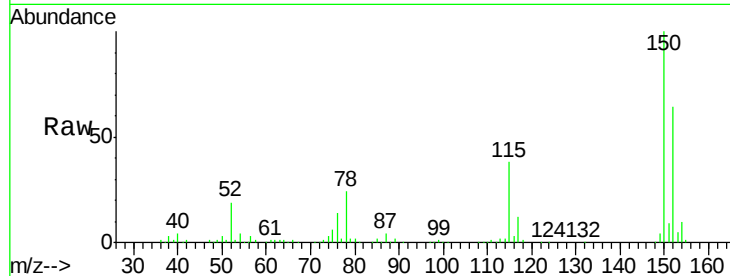
Tot Ion:152 Resp: 140137

Ion Ratio Lower Upper

152 100

150 156.2 124.6 186.8

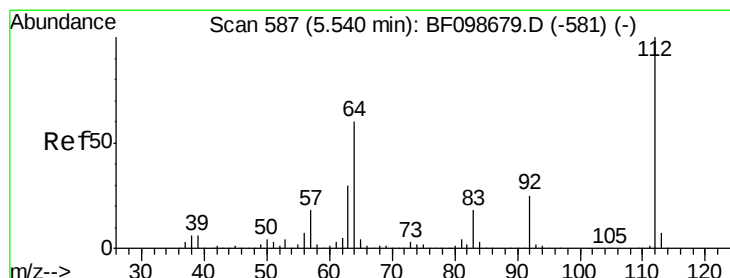
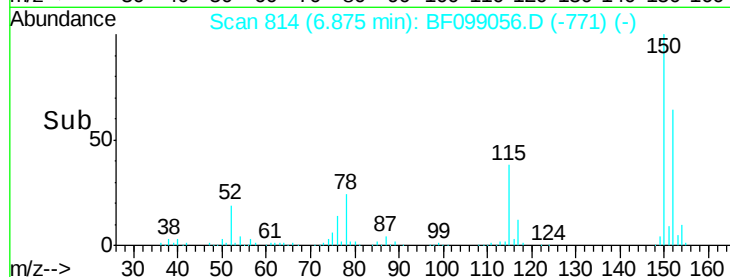
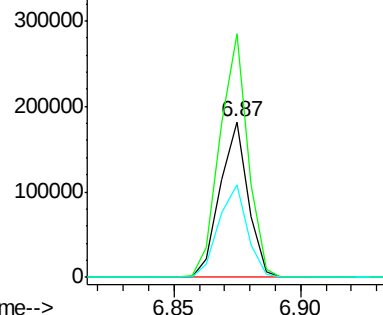
115 59.5 50.1 75.1



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: 57.20 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

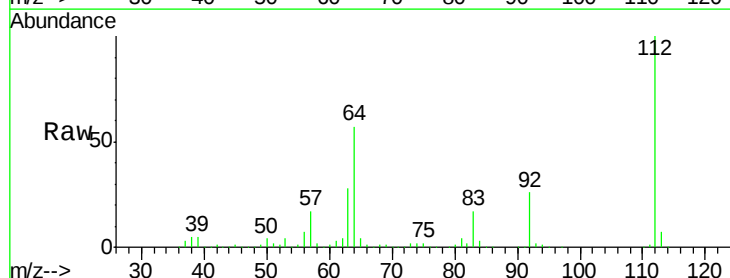
Tgt Ion:112 Resp: 503553

Ion Ratio Lower Upper

112 100

64 57.0 47.9 71.9

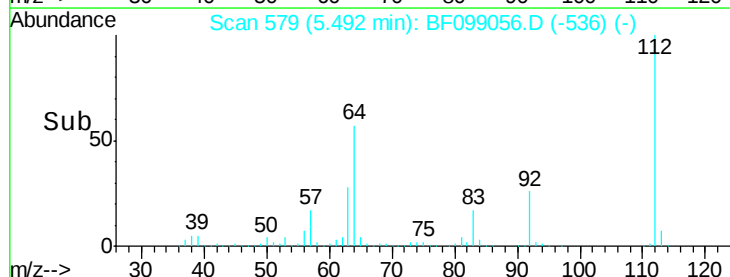
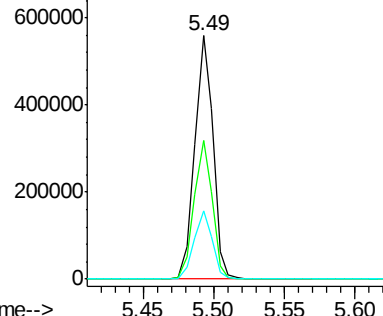
63 28.2 23.7 35.5

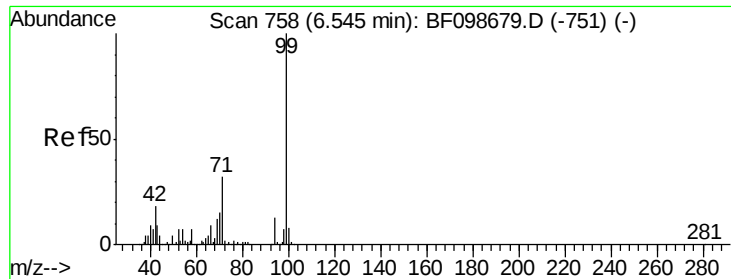


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.38 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

Instrument :

BNA_F

ClientSampleId :

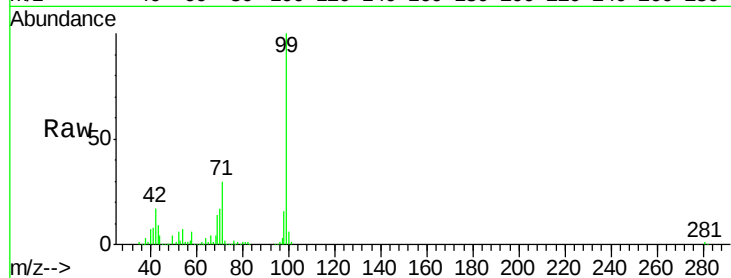
Tot Ion: 99 Resp: 286515

Ion Ratio Lower Upper

99 100

42 17.4 14.5 21.7

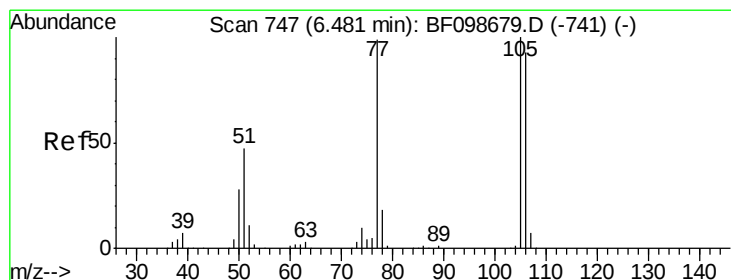
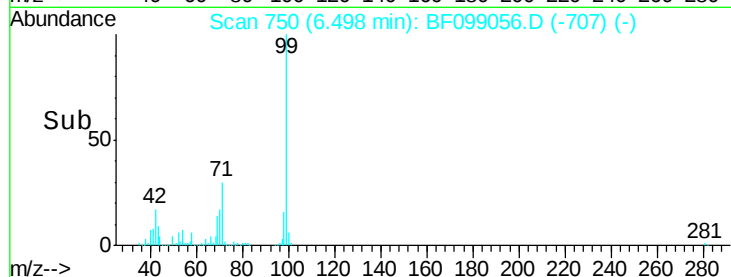
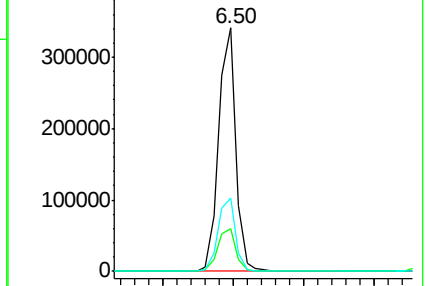
71 30.1 25.4 38.0



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: 2.61 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.17 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

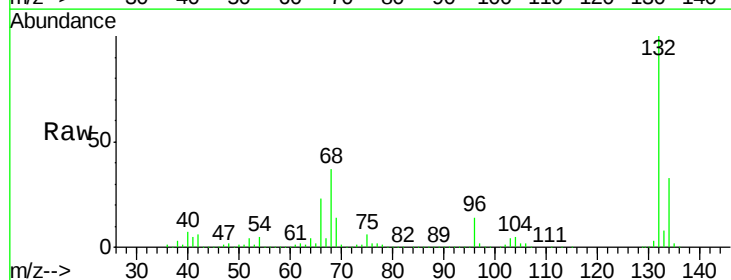
Tgt Ion: 77 Resp: 16432

Ion Ratio Lower Upper

77 100

105 84.6 81.1 121.1

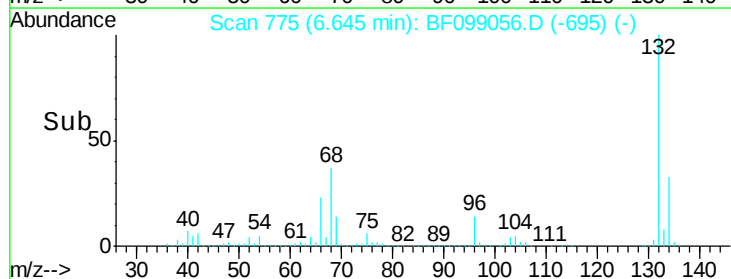
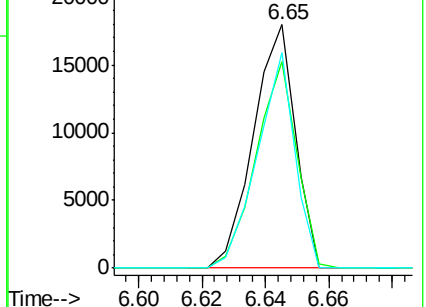
106 88.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

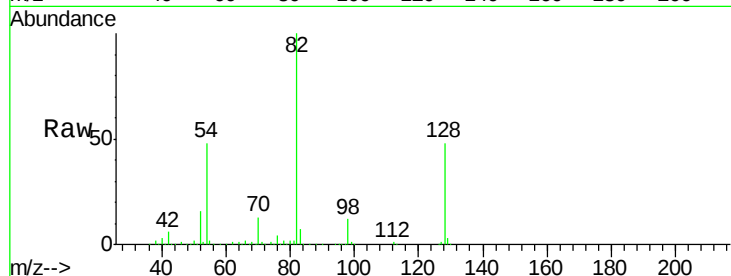




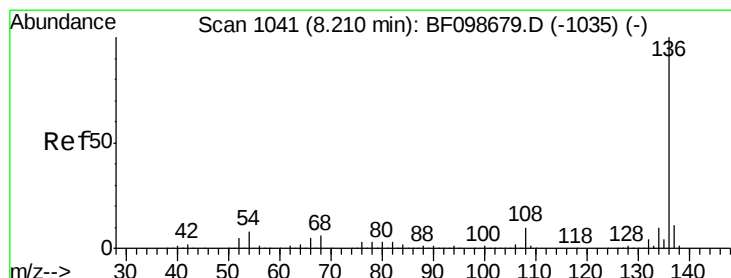
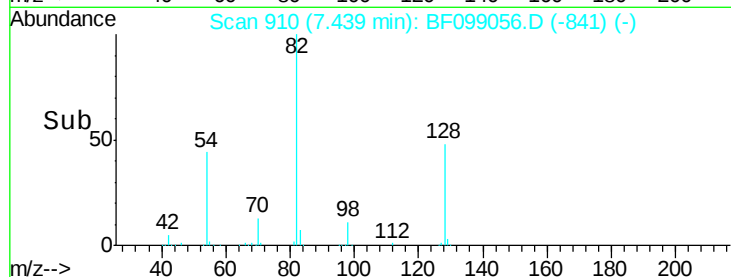
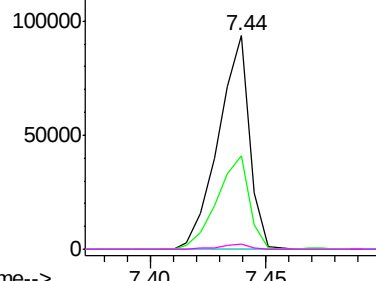
#19
n-Nitroso-di-n-propylamine
Concen: 12.70 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.11 min
Lab File: BF099056.D
Acq: 4 Oct 2017 3:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 88089
Ion Ratio Lower Upper
70 100
42 43.8 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

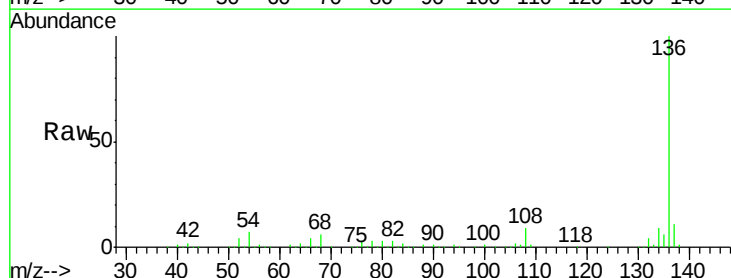


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

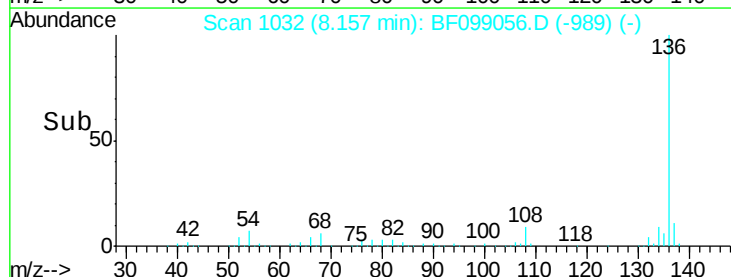
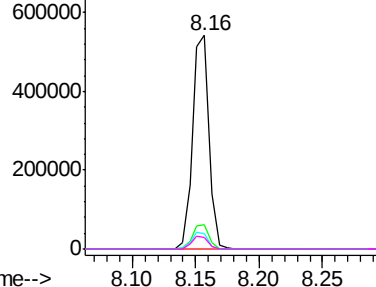


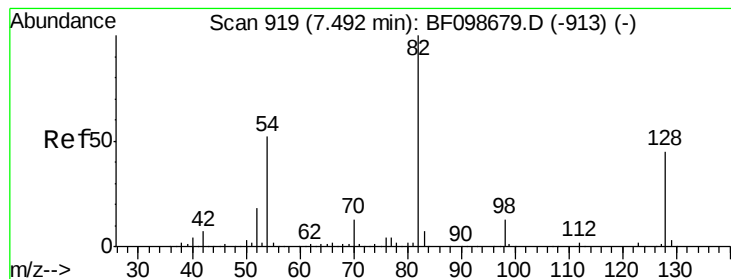
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF099056.D
Acq: 4 Oct 2017 3:16

Tgt Ion: 136 Resp: 491442
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.2 6.6 9.8
68 5.6 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): BF0
Ion 68.00 (67.70 to 68.70): BF0





#23

Nitrobenzene-d5

Concen: 88.51 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

Instrument :

BNA_F

ClientSampleId :

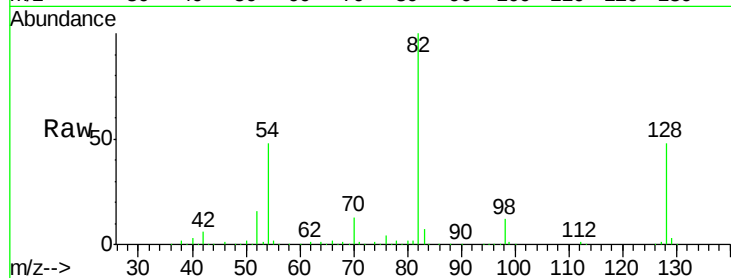
Tot Ion: 82 Resp: 678263

Ion Ratio Lower Upper

82 100

128 48.1 36.1 54.1

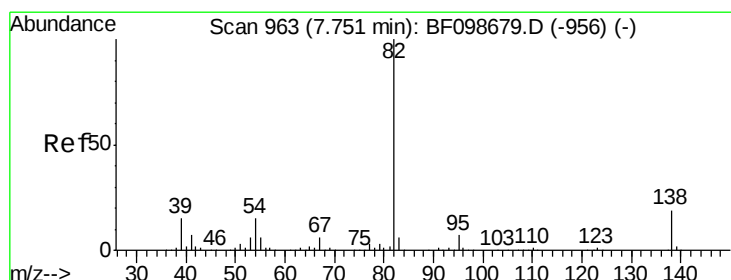
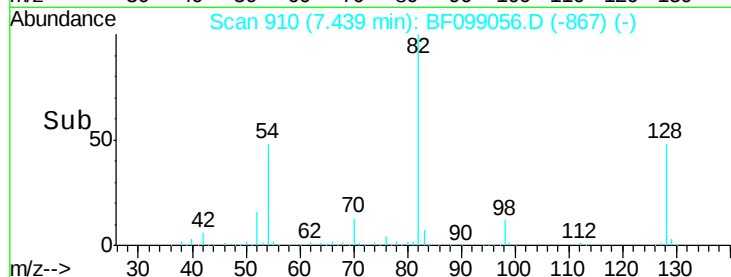
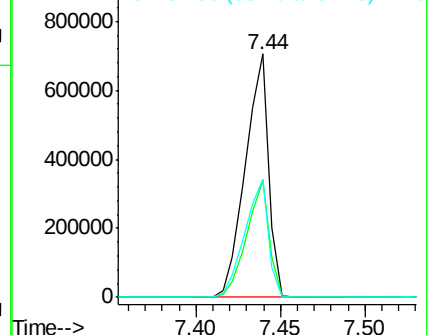
54 48.4 41.4 62.2



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: 42.21 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.31 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

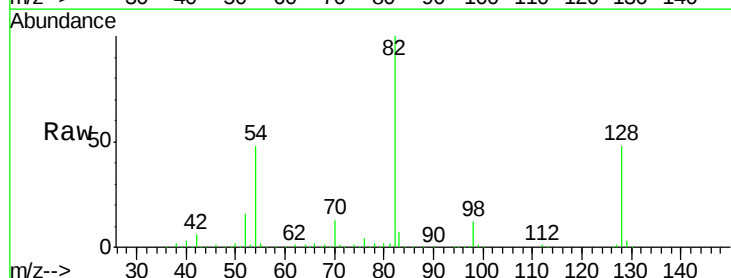
Tgt Ion: 82 Resp: 668711

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

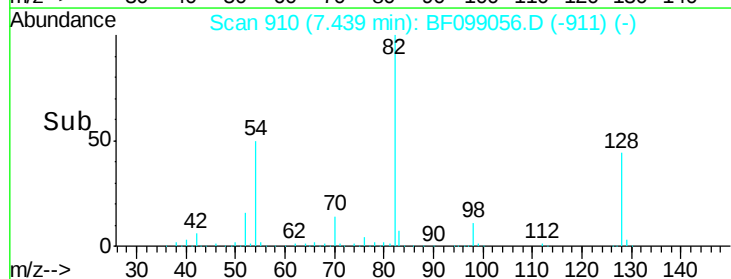
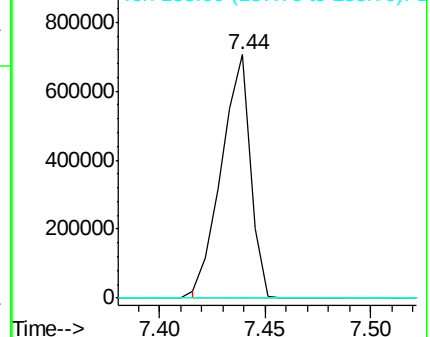
138 0.0 14.9 22.3#

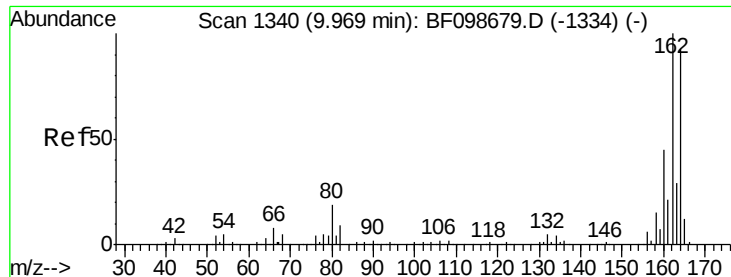


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.91 min Scan# 1330

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

Instrument :

BNA_F

ClientSampled :

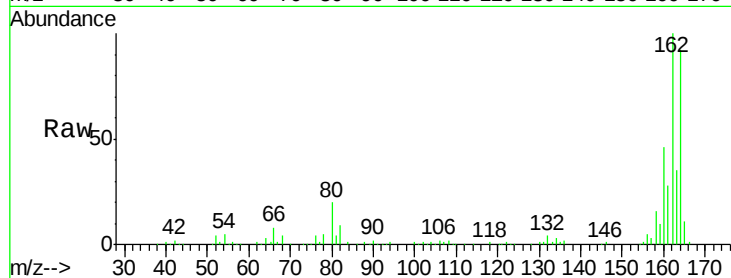
Tot Ion:164 Resp: 132612

Ion Ratio Lower Upper

164 100

162 108.1 86.1 129.1

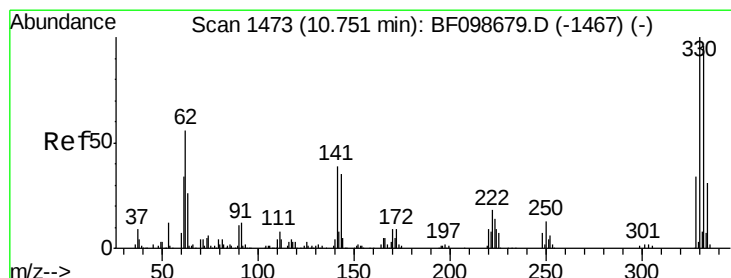
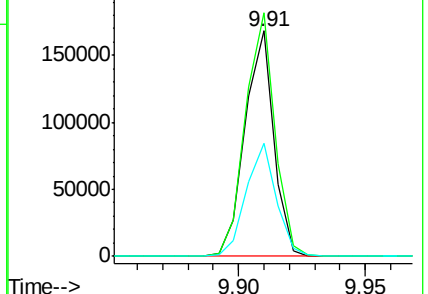
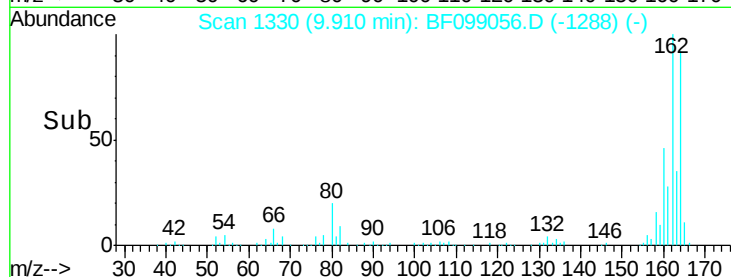
160 50.2 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 140.03 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

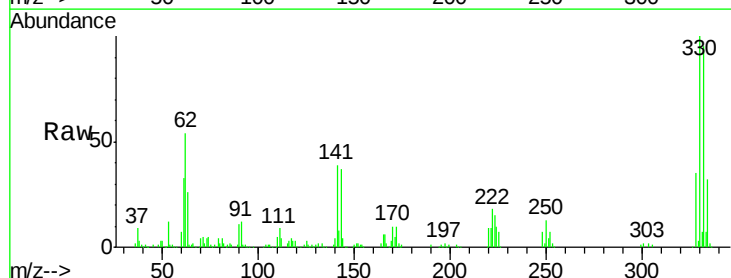
Tgt Ion:330 Resp: 151949

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

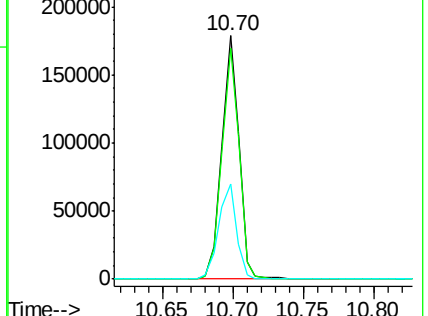
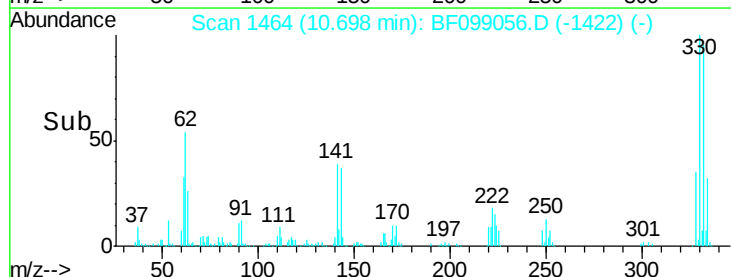
141 40.7 29.9 44.9

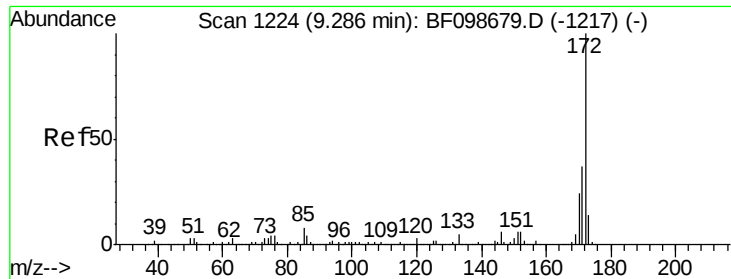


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



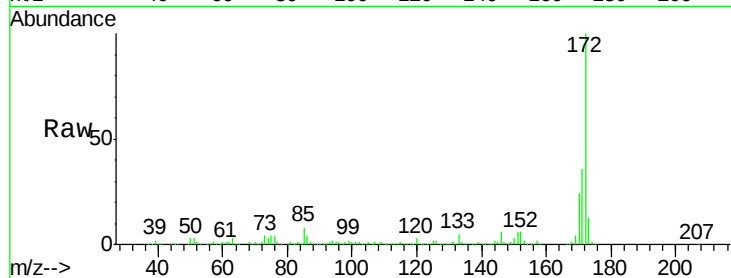


#44
 2-Fluorobiphenyl
 Concen: 128.97 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.05 min
 Lab File: BF099056.D
 Acq: 4 Oct 2017 3:16

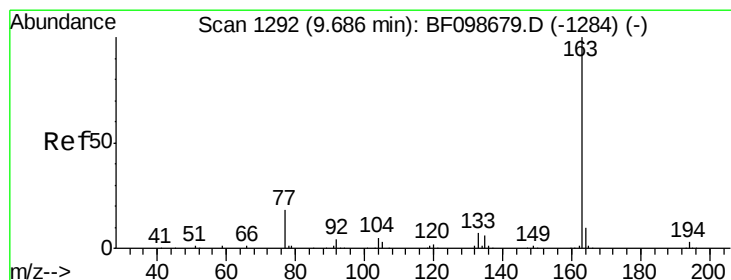
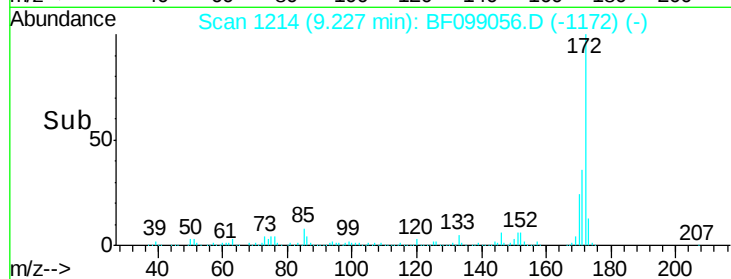
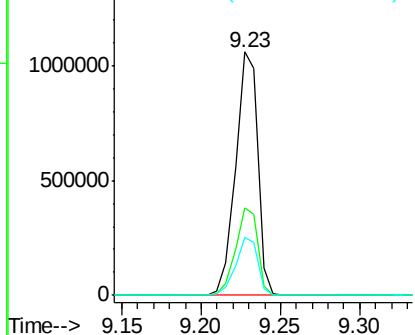
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1024449

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.9	19.6	29.4



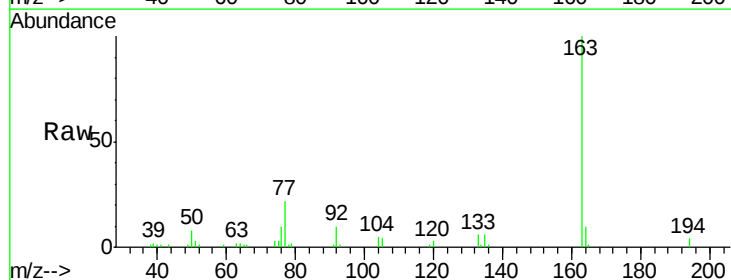
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



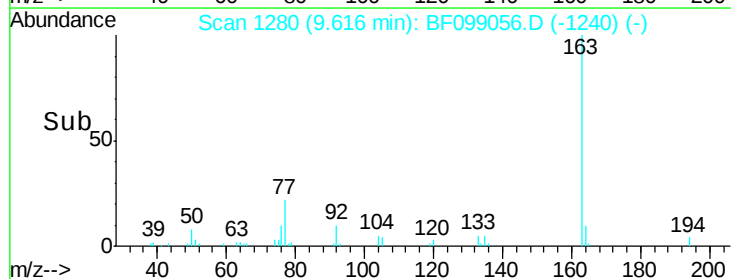
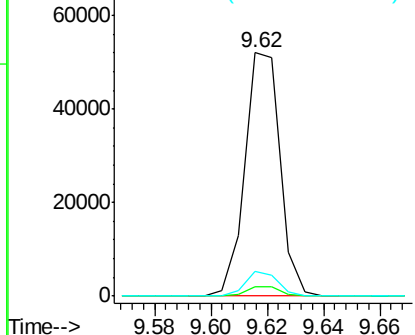
#49
 Dimethylphthalate
 Concen: 4.50 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. -0.06 min
 Lab File: BF099056.D
 Acq: 4 Oct 2017 3:16

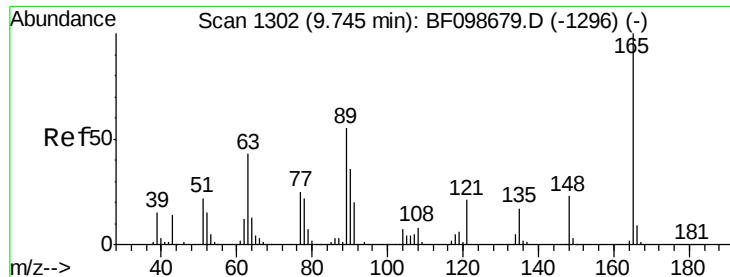
Tgt Ion:163 Resp: 45046

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.3	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

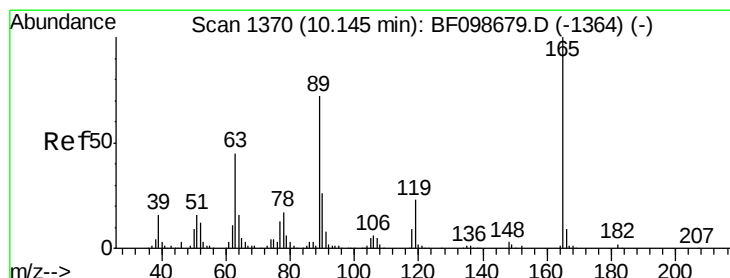
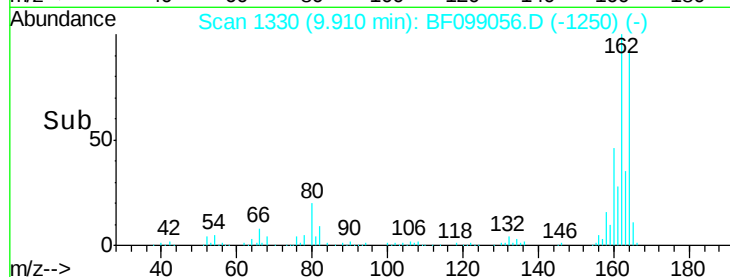
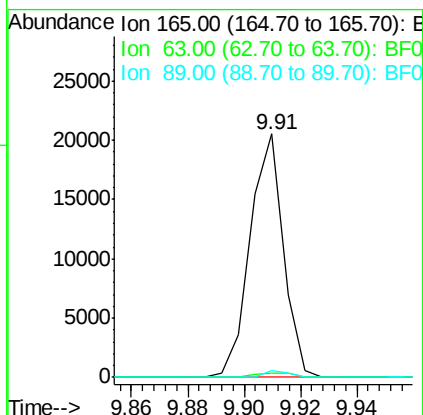
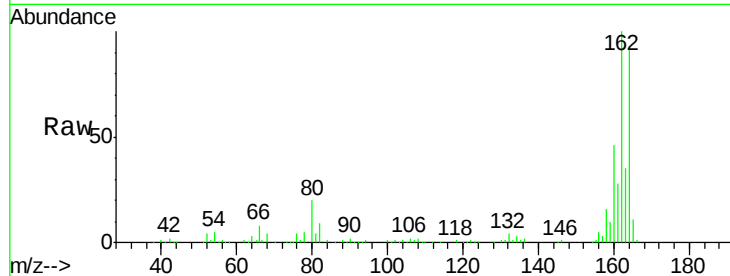




#50
 2,6-Dinitrotoluene
 Concen: 7.70 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.17 min
 Lab File: BF099056.D
 Acq: 4 Oct 2017 3:16

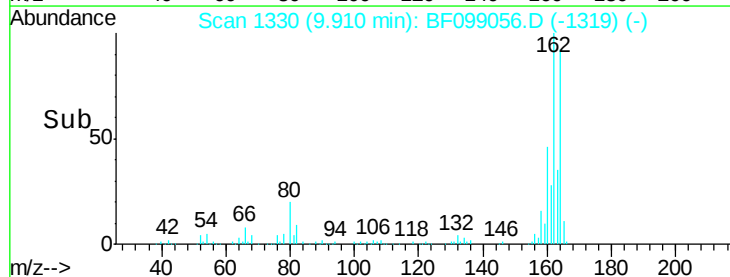
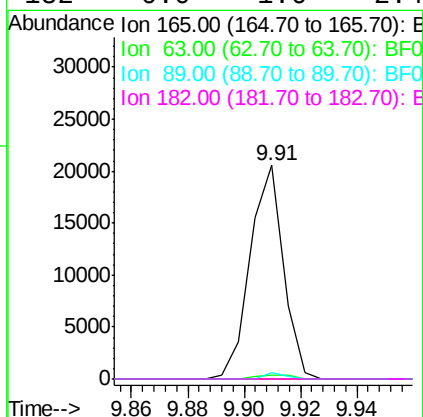
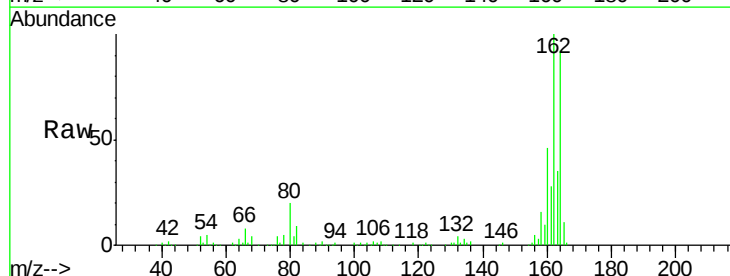
Instrument :
 BNA_F
 ClientSampleID :

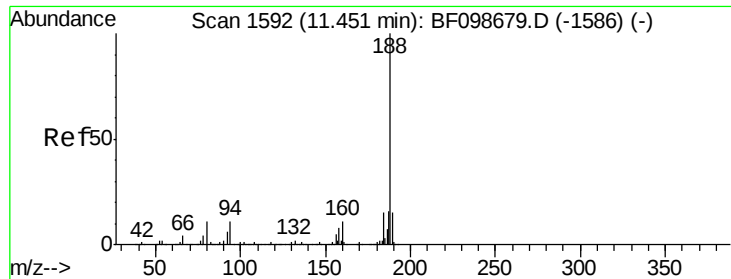
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	3.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.93 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.24 min
 Lab File: BF099056.D
 Acq: 4 Oct 2017 3:16

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	3.0	57.8	86.6#
182	0.0	1.6	2.4#

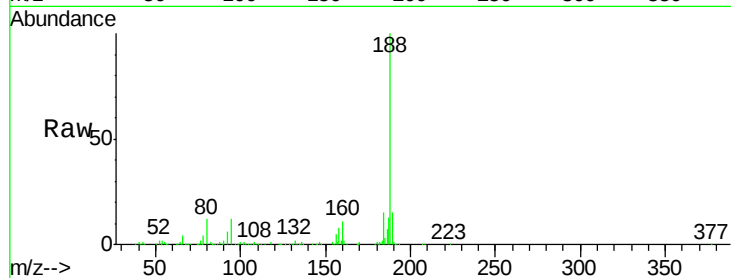




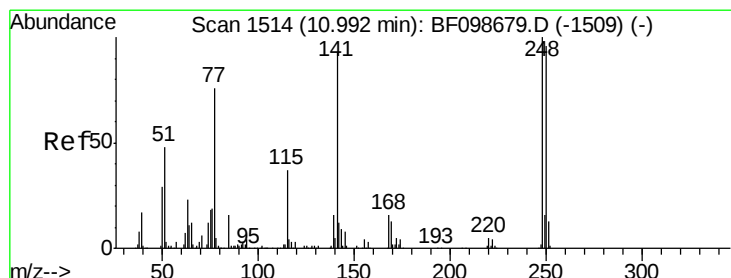
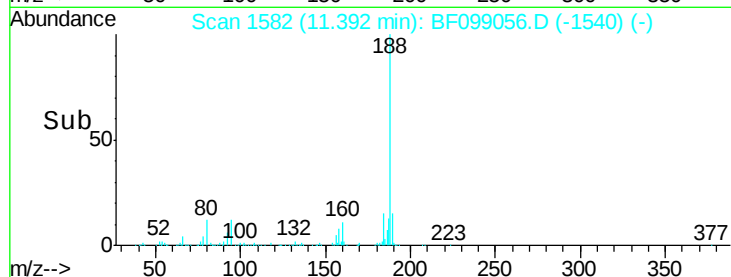
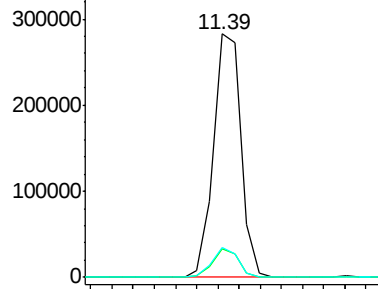
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.05 min
Lab File: BF099056.D
Acq: 4 Oct 2017 3:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.3	9.2	13.8

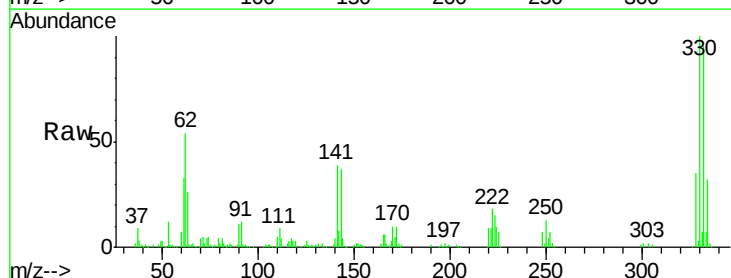


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

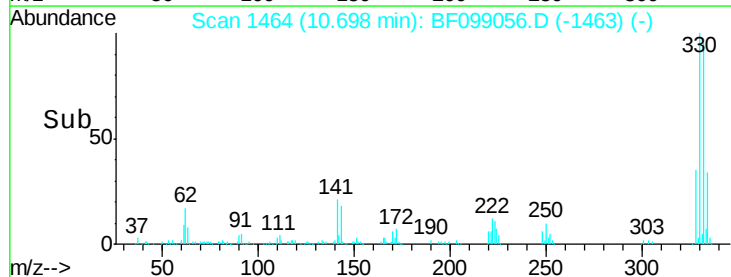
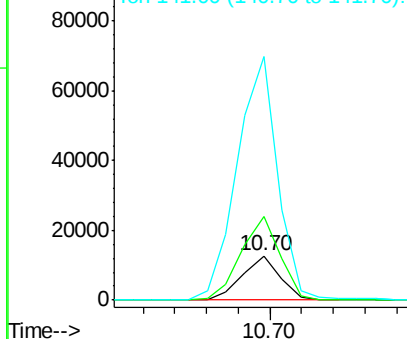


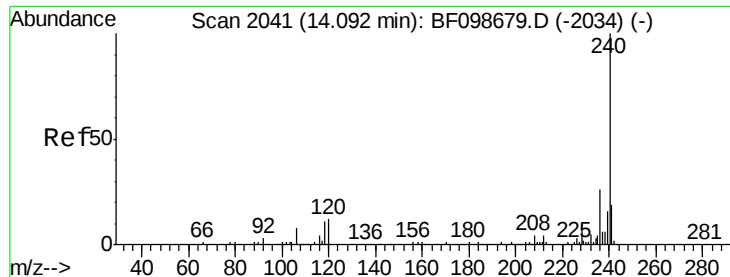
#66
4-Bromophenyl-phenylether
Concen: 4.24 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.29 min
Lab File: BF099056.D
Acq: 4 Oct 2017 3:16

Tgt Ion	Ratio	Lower	Upper
248	100		
250	190.1	76.9	115.3#
141	551.6	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: 14.03 min Scan# 2031

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

Instrument :

BNA_F

ClientSampleId :

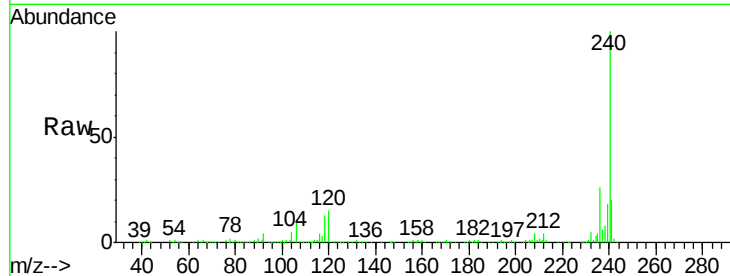
Tot Ion:240 Resp: 262338

Ion Ratio Lower Upper

240 100

120 14.7 9.5 14.3#

236 26.3 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

14.03

300000

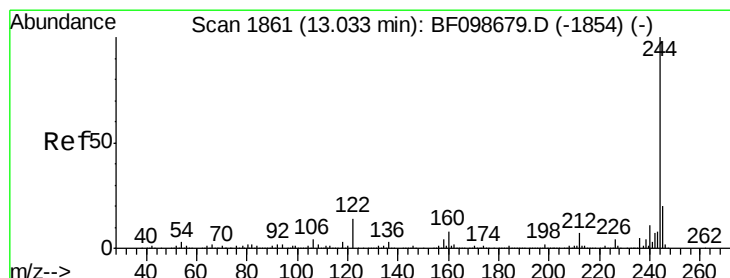
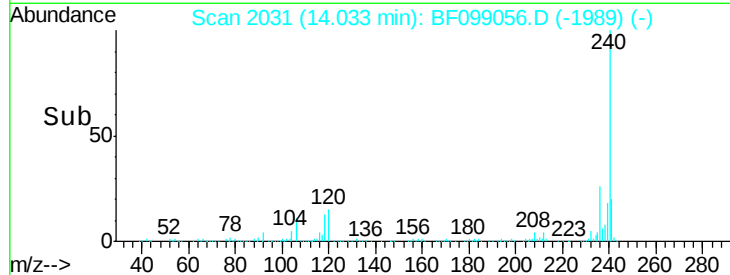
200000

100000

0

14.00 14.10

Time-->



#78

Terphenyl-d14

Concen: 68.00 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099056.D

Acq: 4 Oct 2017 3:16

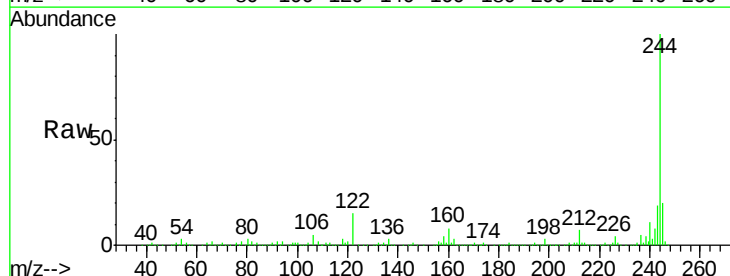
Tgt Ion:244 Resp: 784450

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

122 14.7 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

12.98

1200000

1000000

800000

600000

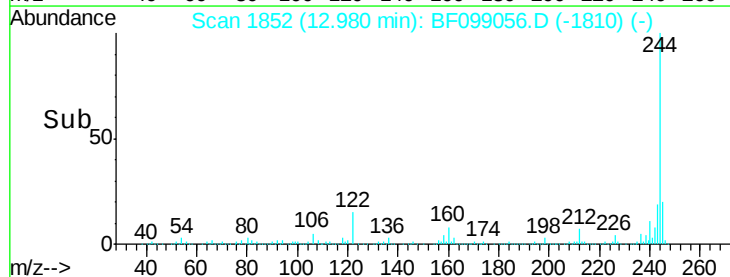
400000

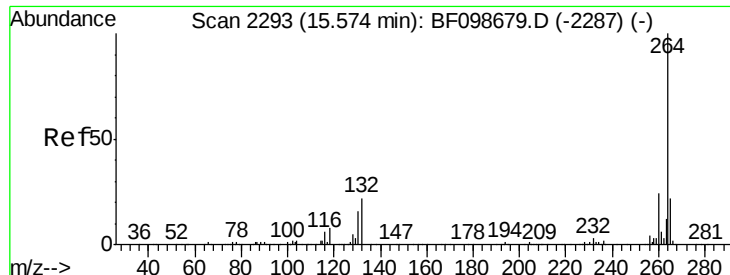
200000

0

12.90 12.95 13.00 13.05

Time-->

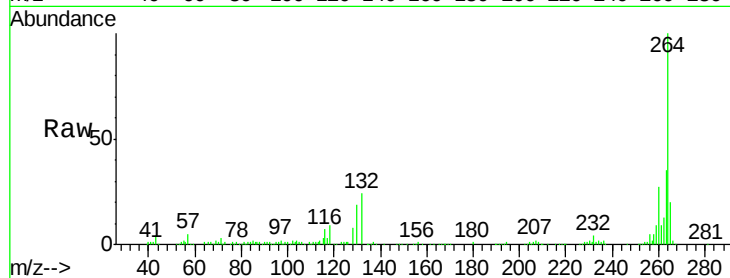




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.06 min
Lab File: BF099056.D
Acq: 4 Oct 2017 3:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.9	19.2	28.8
265	20.3	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

