

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099778.D
 Acq On : 24 Oct 2017 00:09
 Operator : SJ/JU
 Sample : I6037-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT111

Quant Time: Oct 24 00:38:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

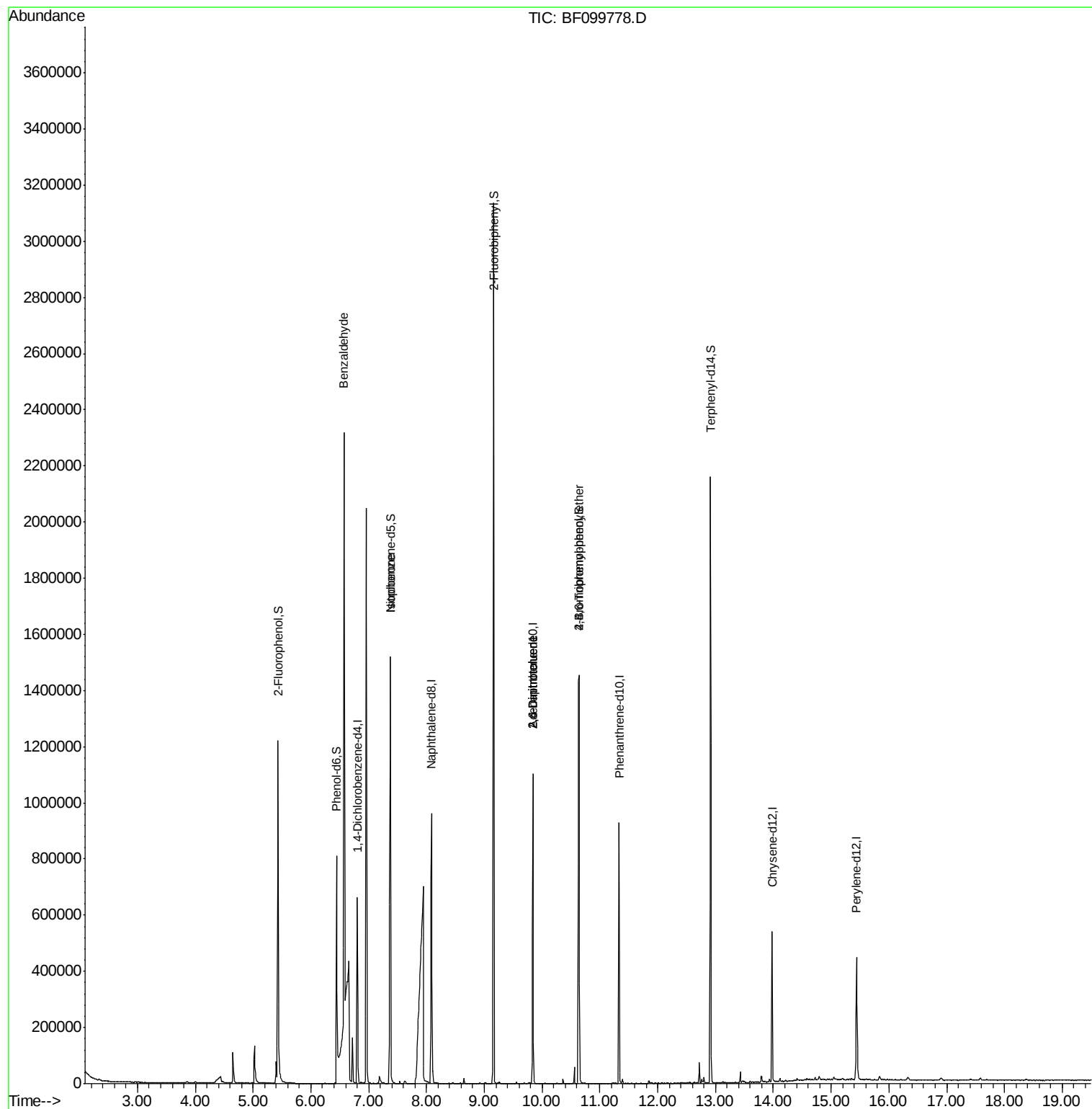
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	106529	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	446615	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	205415	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	332571	20.00	ng	0.00
75) Chrysene-d12	13.98	240	185061	20.00	ng	0.00
86) Perylene-d12	15.44	264	201401	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	422090	62.21	ng	0.00
7) Phenol-d6	6.45	99	340112	42.27	ng	0.00
23) Nitrobenzene-d5	7.37	82	546361	78.76	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	199404	106.52	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1085687	81.54	ng	0.00
78) Terphenyl-d14	12.92	244	717228	84.70	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	12085	2.51	ng	Qvalue 87
25) Isophorone	7.37	82	546356	43.40	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	25871	7.57	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	25871	6.28	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	13521	3.86	ng	# 1

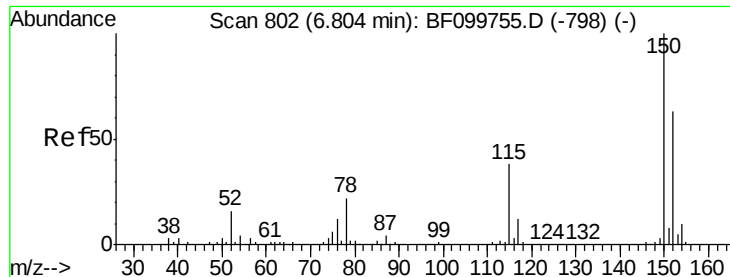
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.00 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT111

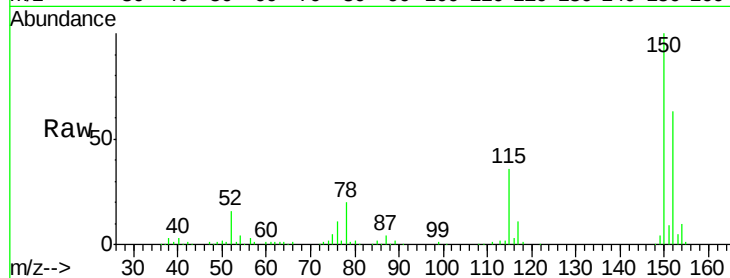
Tot Ion:152 Resp: 106529

Ion Ratio Lower Upper

152 100

150 158.4 124.6 186.8

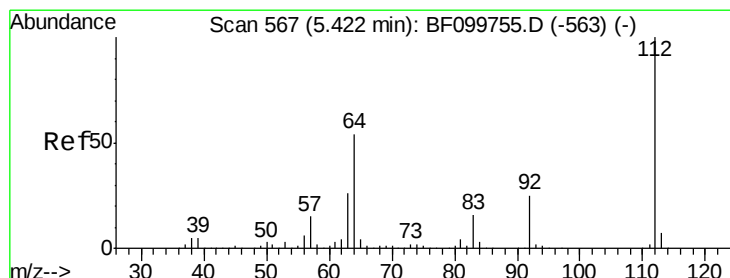
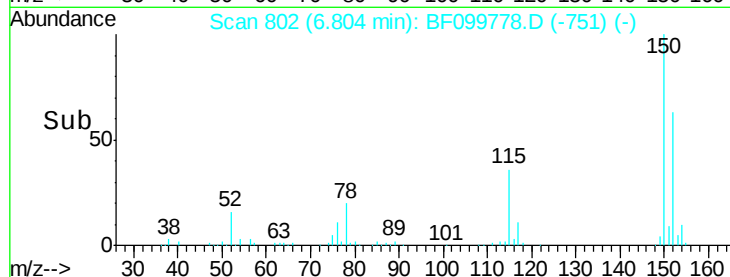
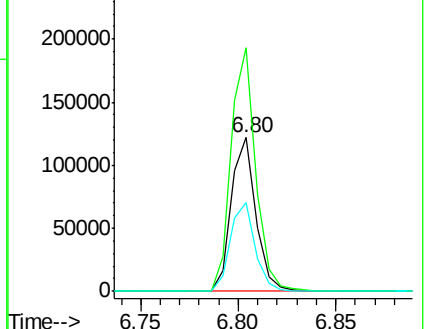
115 57.8 50.1 75.1



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: 62.21 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

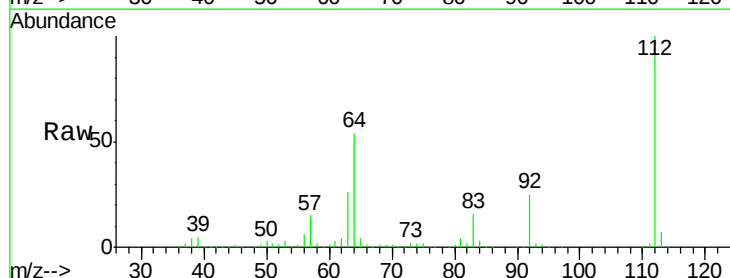
Tgt Ion:112 Resp: 422090

Ion Ratio Lower Upper

112 100

64 53.9 47.9 71.9

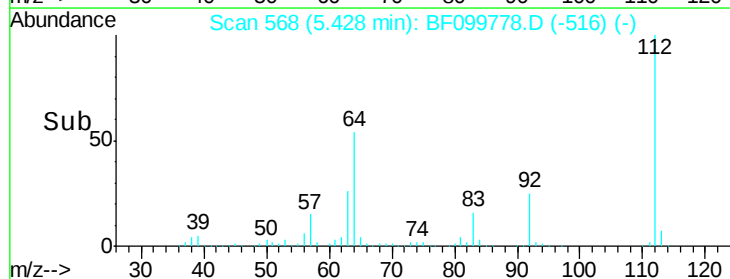
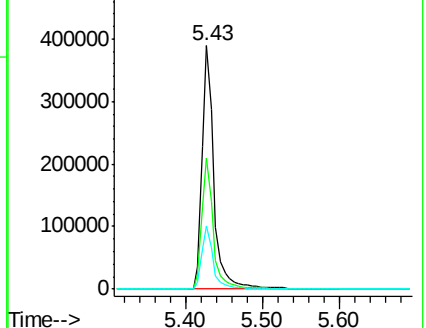
63 25.8 23.7 35.5

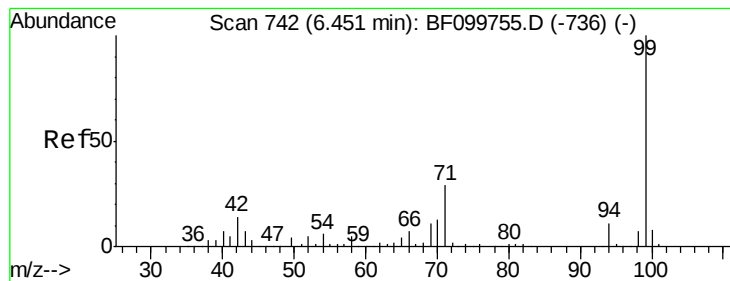


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.27 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT111

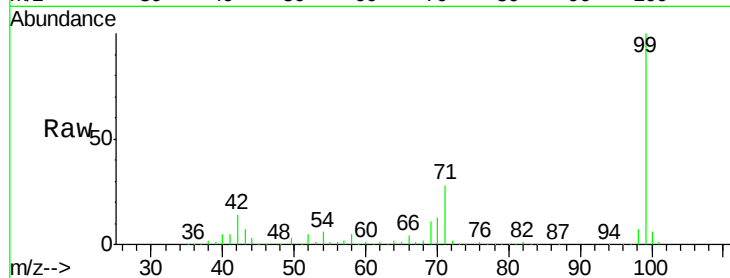
Tot Ion: 99 Resp: 340112

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

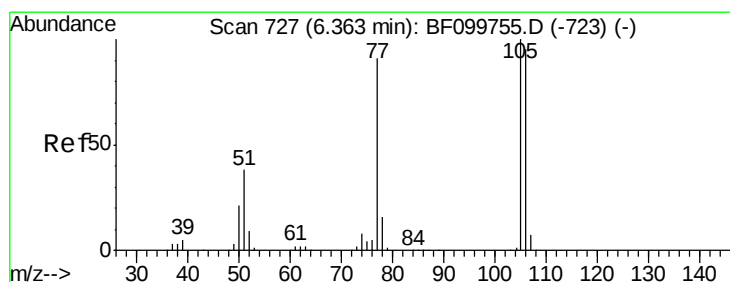
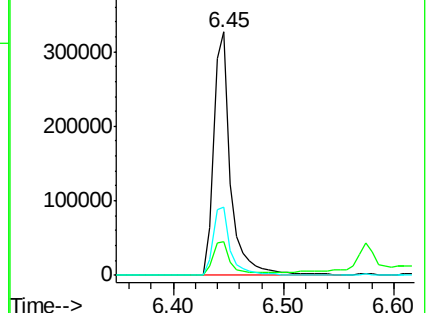
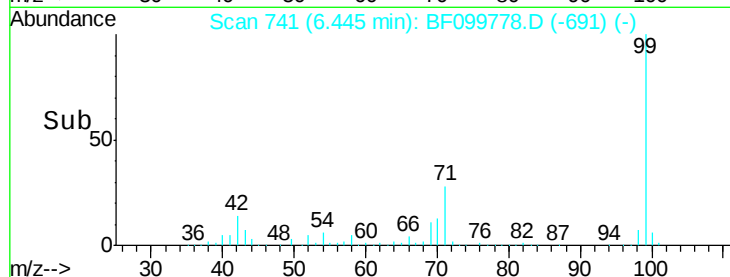
71 28.0 25.4 38.0



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: 2.51 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

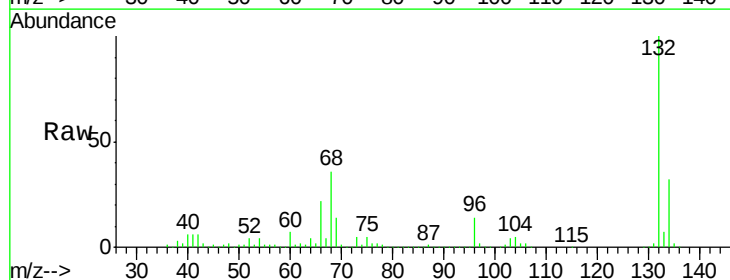
Tgt Ion: 77 Resp: 12085

Ion Ratio Lower Upper

77 100

105 86.3 81.1 121.1

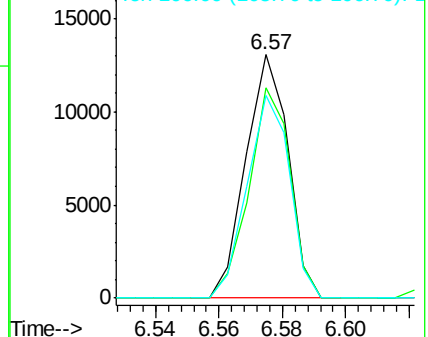
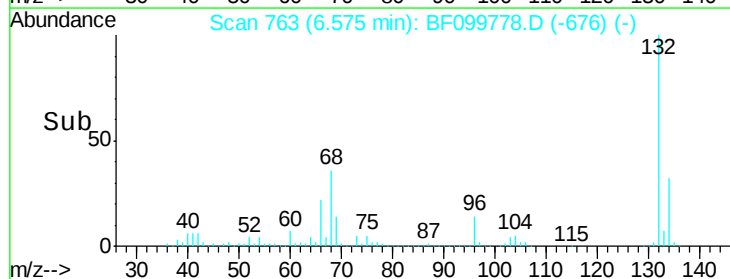
106 83.4 74.5 114.5

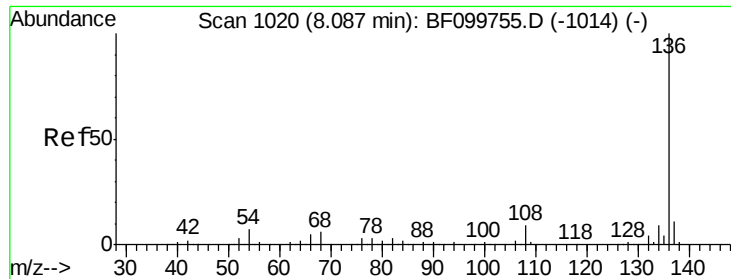


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

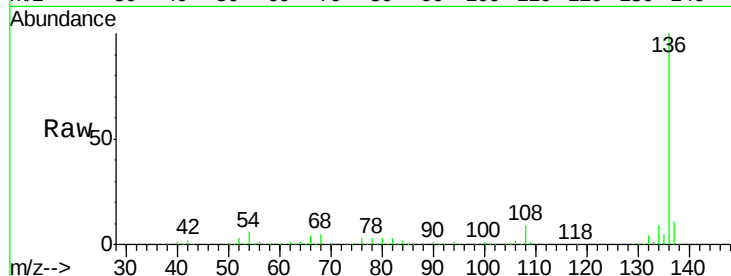




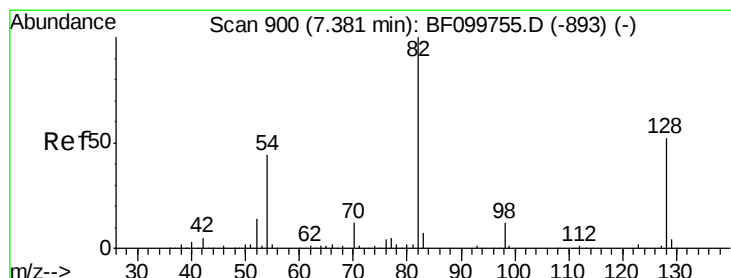
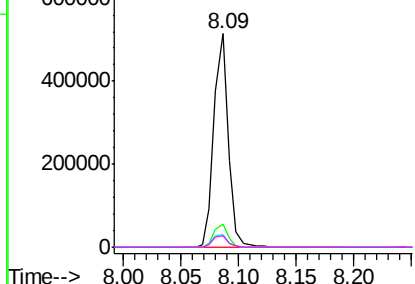
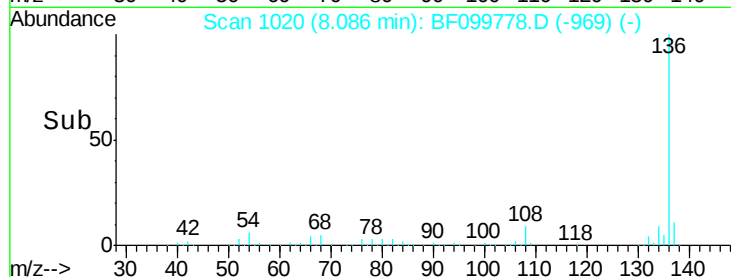
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099778.D
Acq: 24 Oct 2017 00:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT111

Tot Ion:136	Resp:	446615
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.2	6.6 9.8#
68	5.3	5.0 7.4

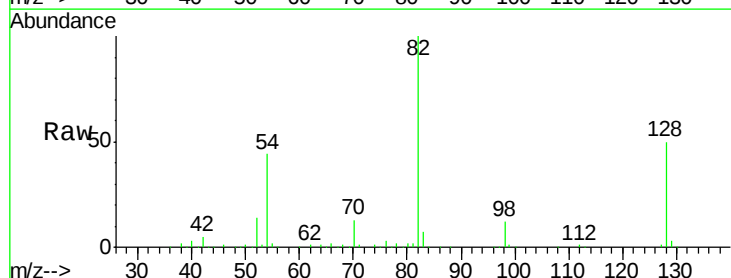


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

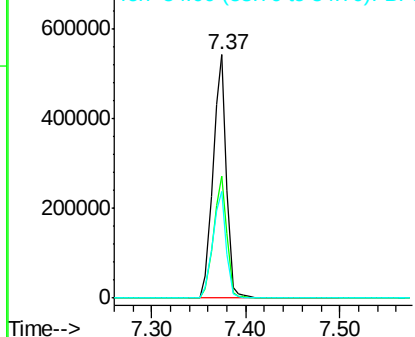
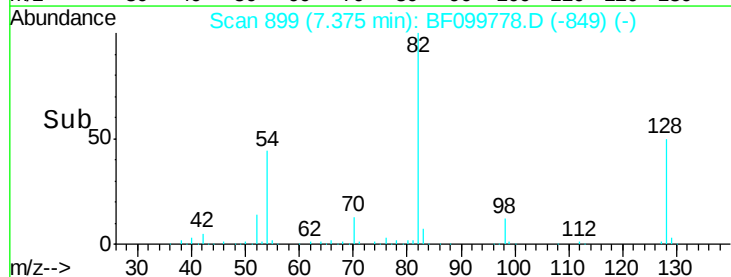


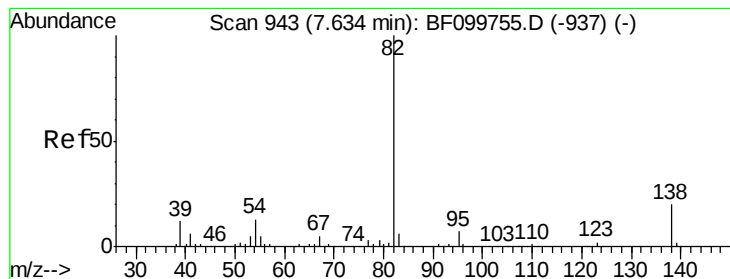
#23
Nitrobenzene-d5
Concen: 78.76 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099778.D
Acq: 24 Oct 2017 00:09

Tgt Ion: 82	Resp:	546361
Ion Ratio	Lower	Upper
82	100	
128	50.3	36.1 54.1
54	43.8	41.4 62.2



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





#25

Isophorone

Concen: 43.40 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT111

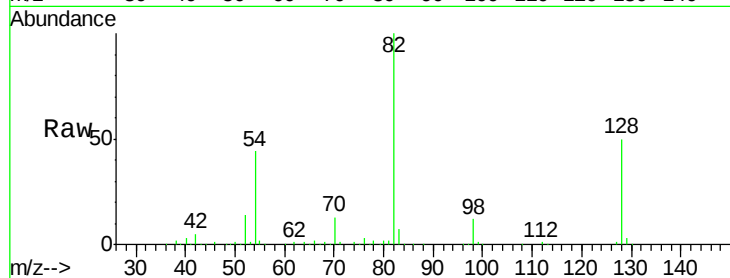
Tot Ion: 82 Resp: 546356

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): E

7.37

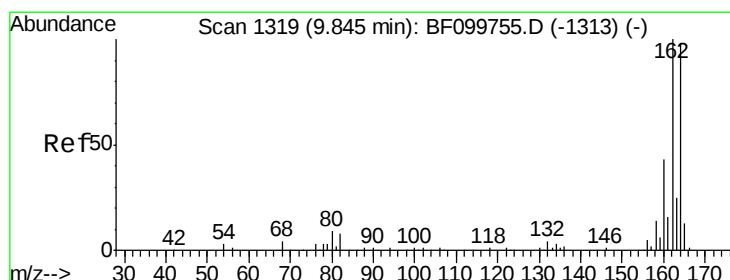
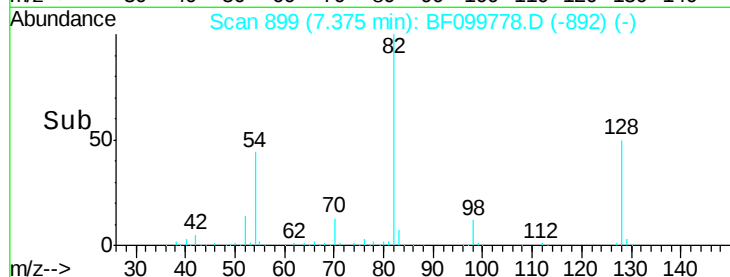
600000

400000

200000

0

Time-->



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

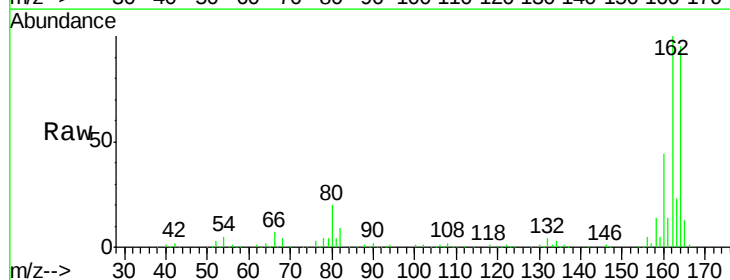
Tgt Ion:164 Resp: 205415

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

160 46.2 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

9.84

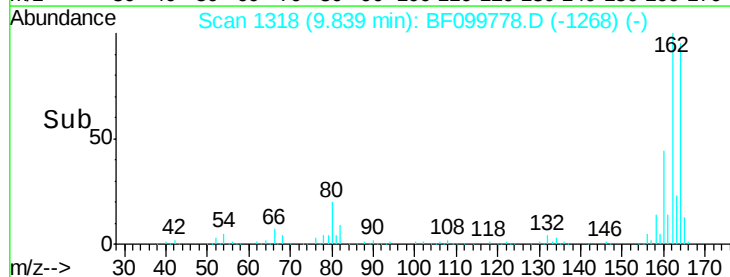
300000

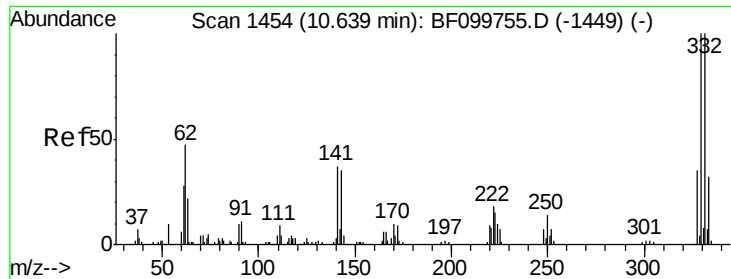
200000

100000

0

Time-->

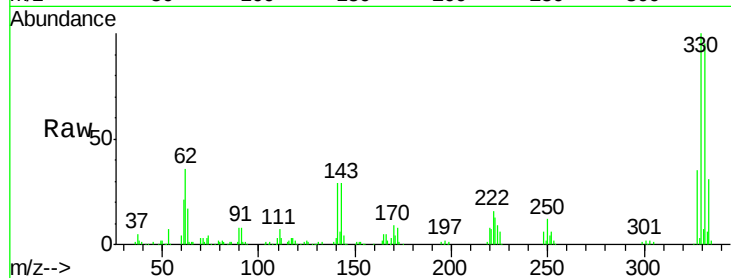




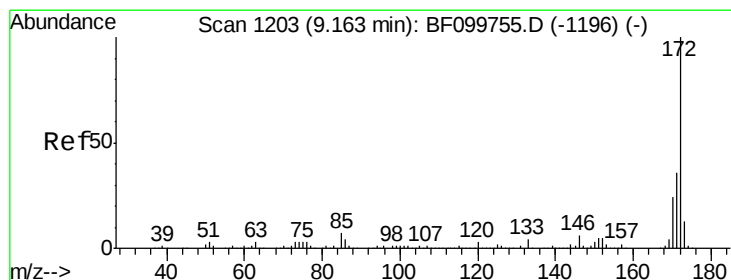
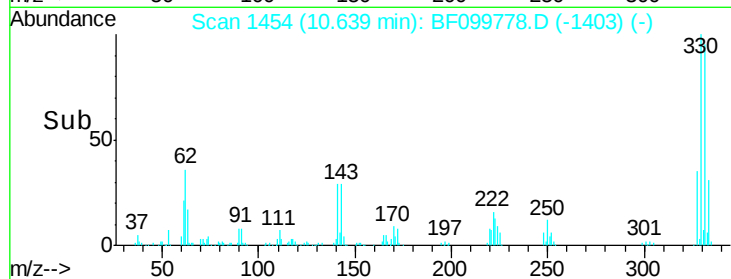
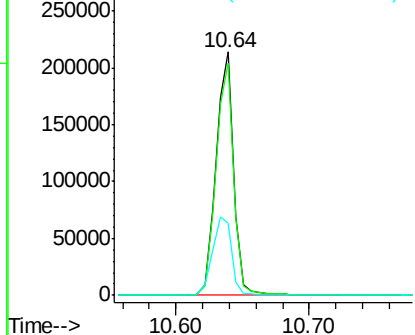
#41
 2,4,6-Tribromophenol
 Concen: 106.52 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099778.D
 Acq: 24 Oct 2017 00:09

Instrument :
 BNA_F
 ClientSampled :
 RAV-GT111

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	34.9	29.9	44.9

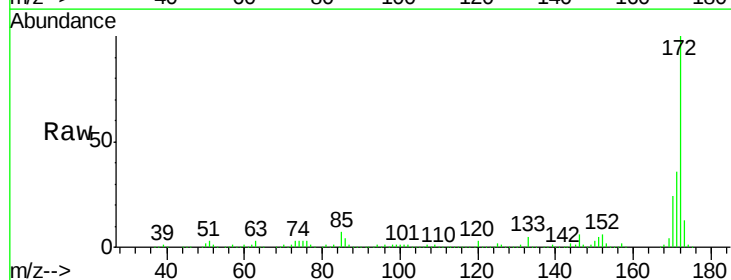


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

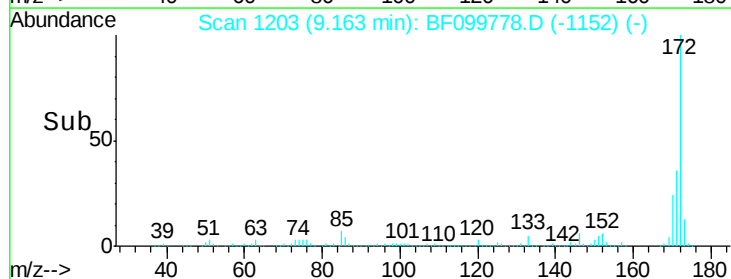
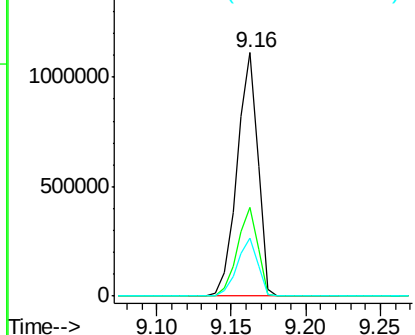


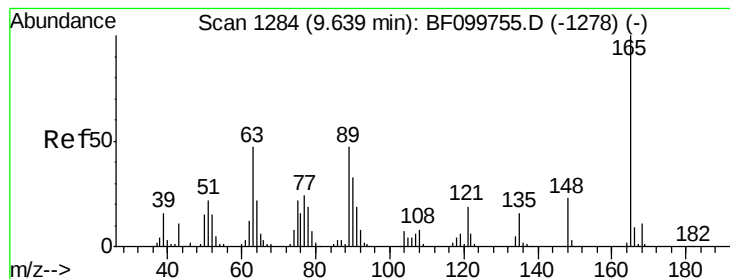
#44
 2-Fluorobiphenyl
 Concen: 81.54 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099778.D
 Acq: 24 Oct 2017 00:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.8	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





#50

2,6-Dinitrotoluene

Concen: 7.57 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT111

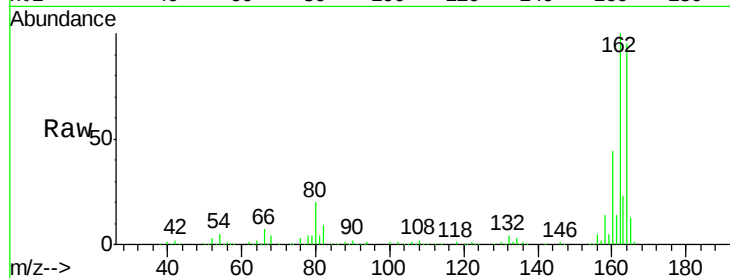
Tot Ion:165 Resp: 25871

Ion Ratio Lower Upper

165 100

63 1.0 44.7 67.1#

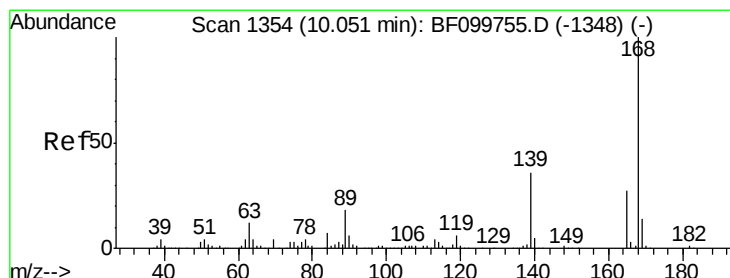
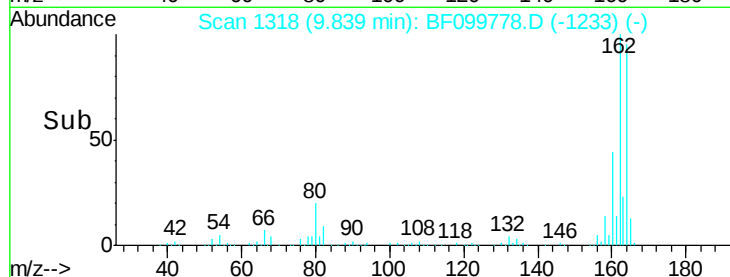
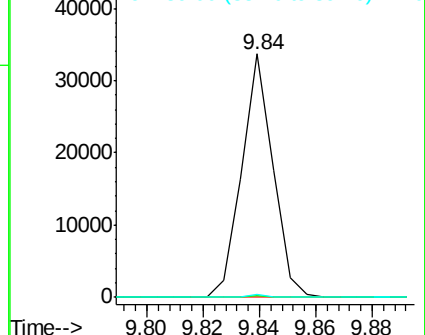
89 1.3 44.0 66.0#



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: 6.28 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

Tgt Ion:165 Resp: 25871

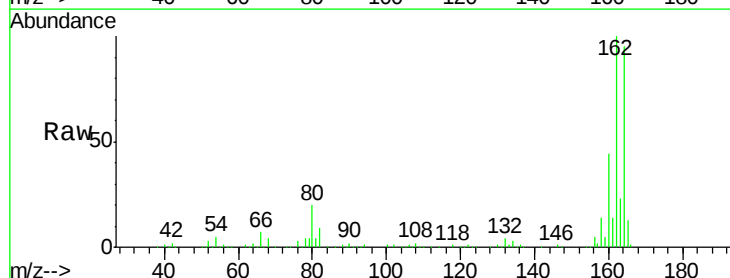
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

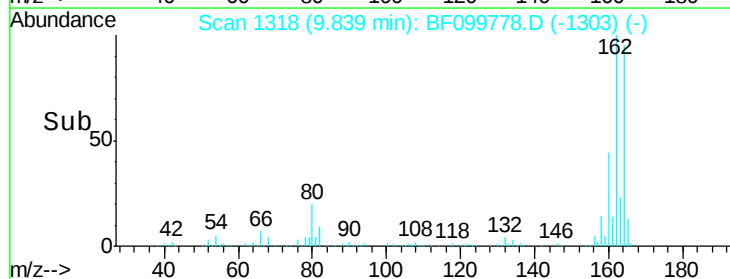
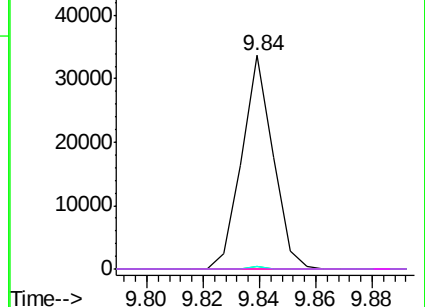


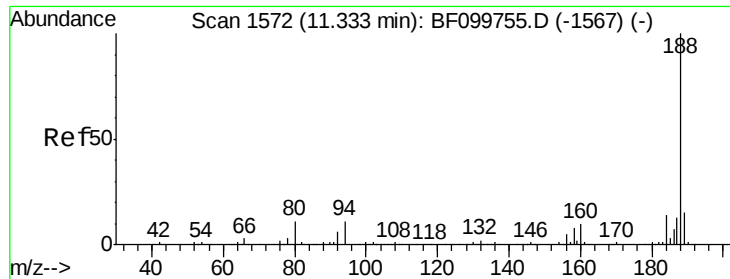
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

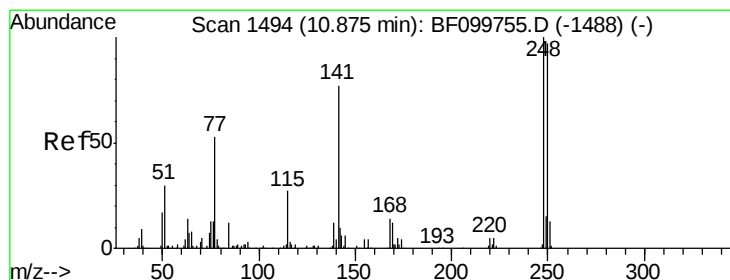
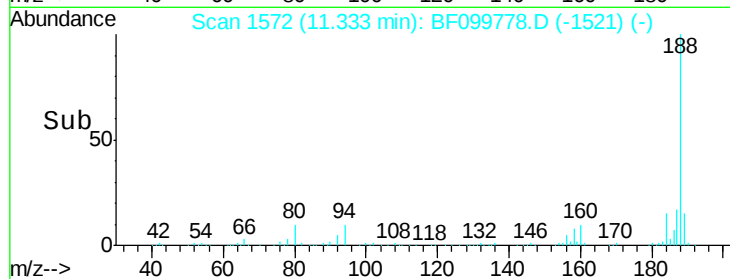
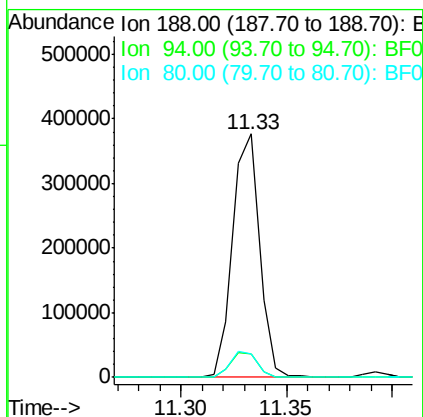
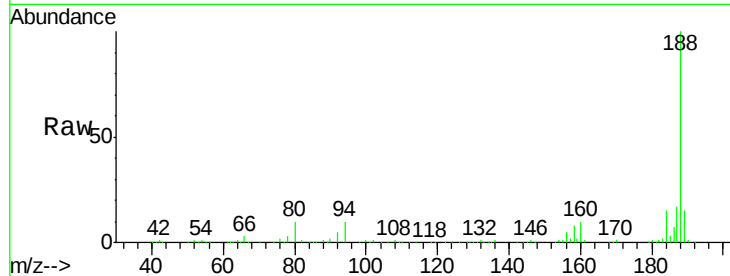




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF099778.D
 Acq: 24 Oct 2017 00:09

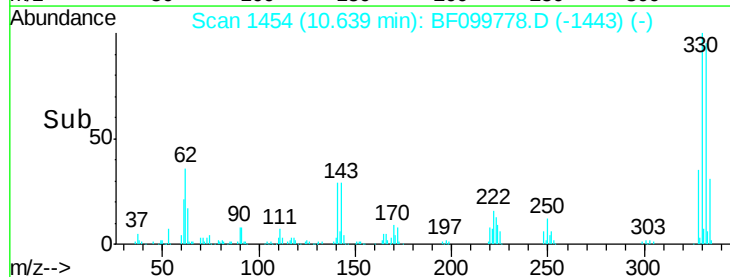
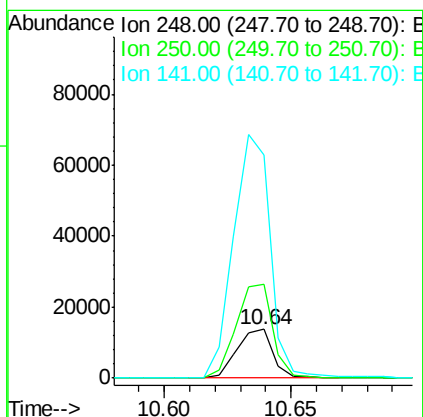
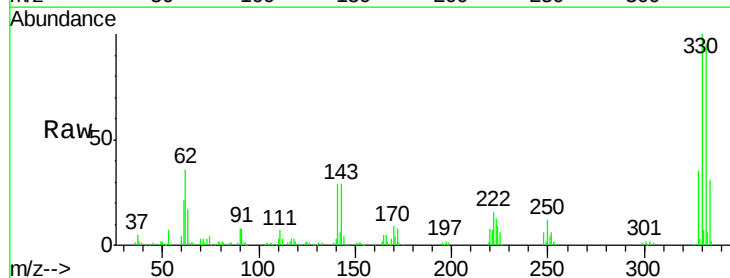
Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT111

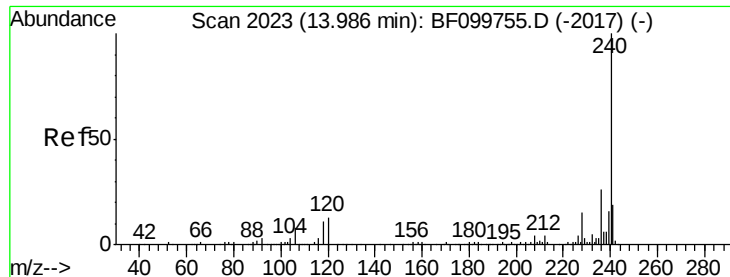
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	9.8	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.86 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099778.D
 Acq: 24 Oct 2017 00:09

Tgt Ion	Ratio	Lower	Upper
248	100		
250	192.0	76.9	115.3#
141	456.8	74.4	111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

Instrument :

BNA_F

ClientSampleId :

RAV-GT111

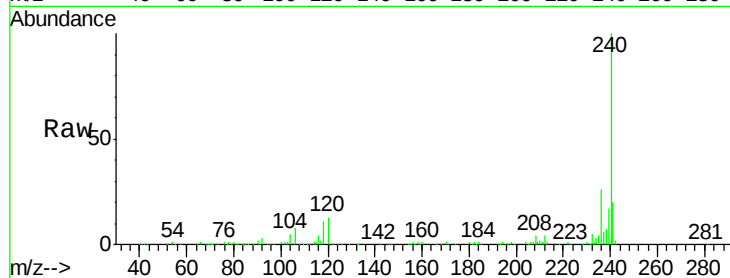
Tot Ion:240 Resp: 185061

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

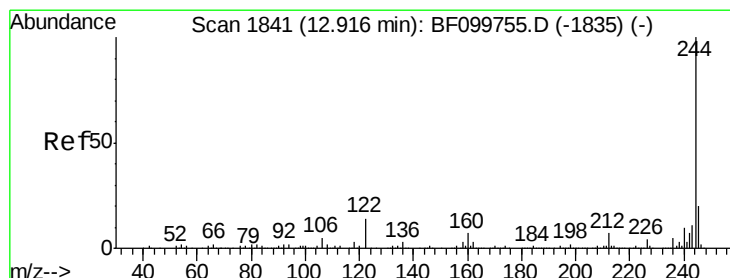
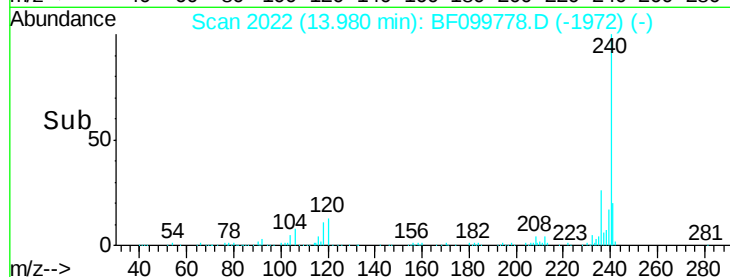
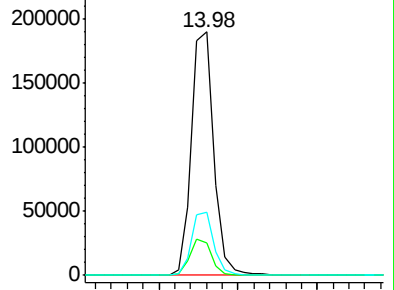
236 25.8 20.7 31.1



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: 84.70 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.00 min

Lab File: BF099778.D

Acq: 24 Oct 2017 00:09

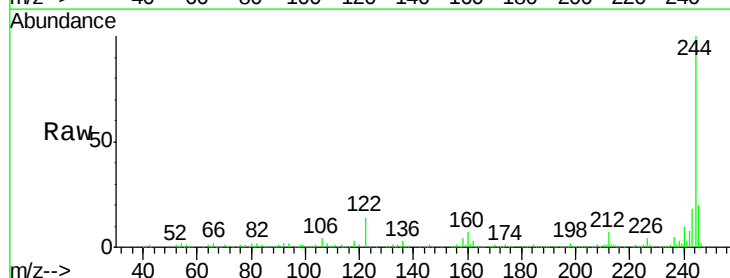
Tgt Ion:244 Resp: 717228

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

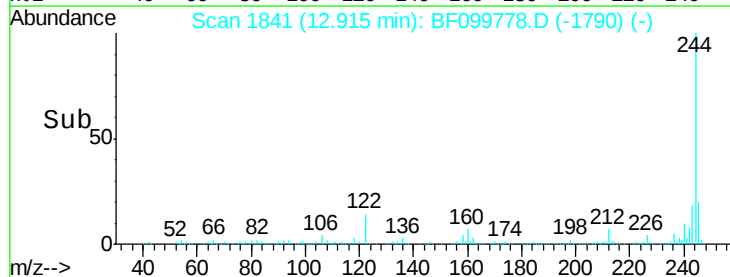
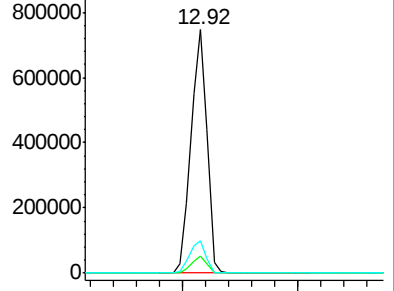
122 13.6 11.0 16.4

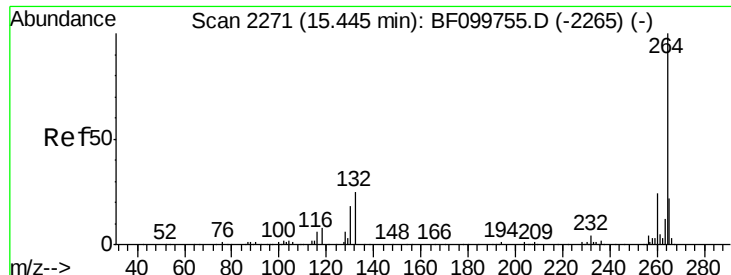


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF099778.D
Acq: 24 Oct 2017 00:09

Instrument :
BNA_F
ClientSampleId :
RAV-GT111

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.0	17.5	26.3

