

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099780.D
 Acq On : 24 Oct 2017 1:05
 Operator : SJ/JU
 Sample : I6037-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT202

Quant Time: Oct 24 02:54:59 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

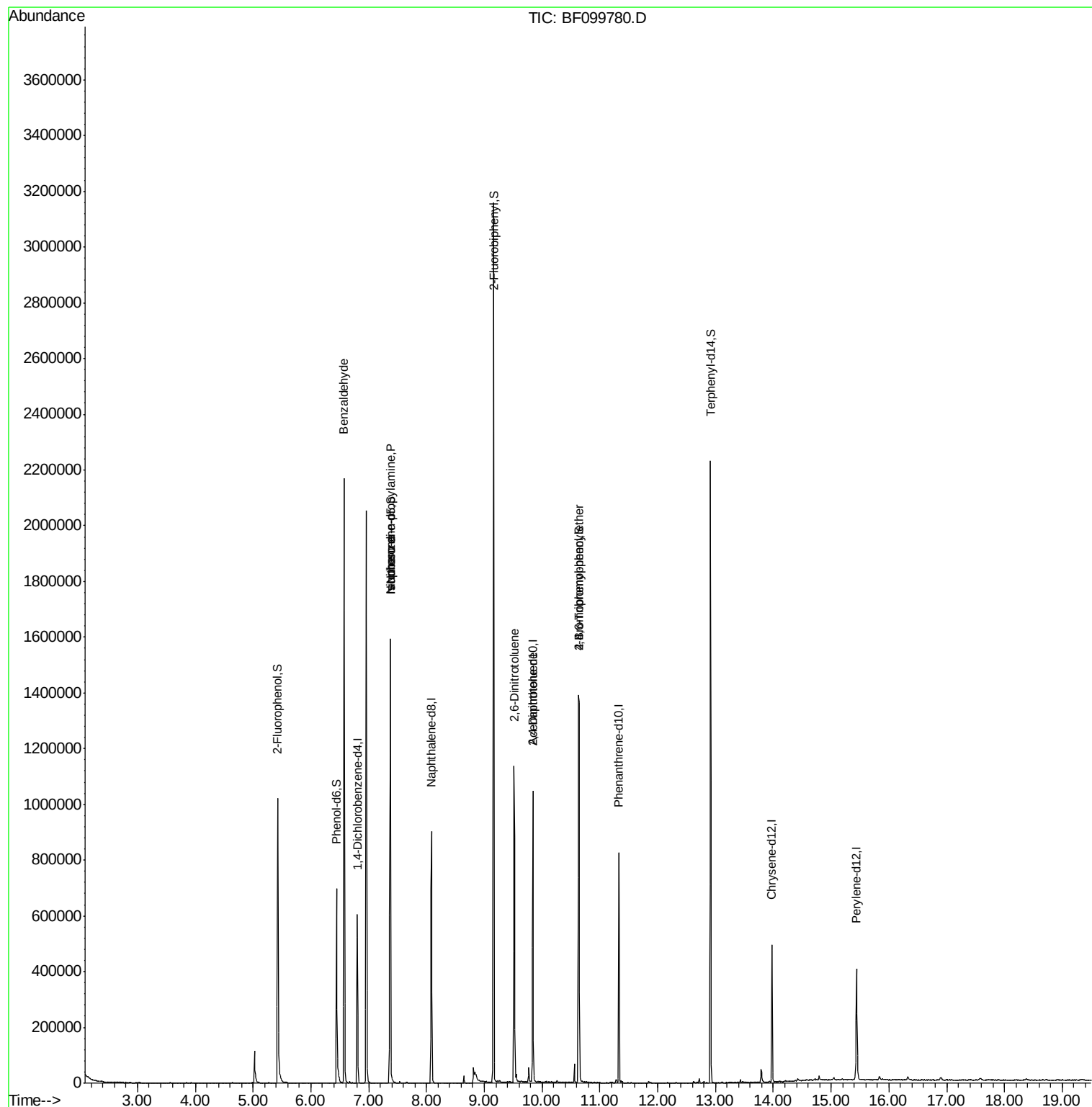
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	100251	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	417168	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	194158	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	316263	20.00	ng	0.00
75) Chrysene-d12	13.97	240	170369	20.00	ng	-0.01
86) Perylene-d12	15.44	264	184587	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	388219	60.80	ng	0.00
7) Phenol-d6	6.44	99	298794	39.46	ng	-0.01
23) Nitrobenzene-d5	7.37	82	550109	84.90	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	188540	106.56	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1095439	87.05	ng	0.00
78) Terphenyl-d14	12.92	244	723639	92.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	12007	2.65	ng	# 86
19) n-Nitroso-di-n-propylamine	7.37	70	67629	15.24	ng	# 71
25) Isophorone	7.37	82	550104	46.79	ng	# 64
50) 2,6-Dinitrotoluene	9.52	165	27003	8.35	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	24898	6.40	ng	# 23
66) 4-Bromophenyl-phenylether	10.64	248	12926	3.88	ng	# 1

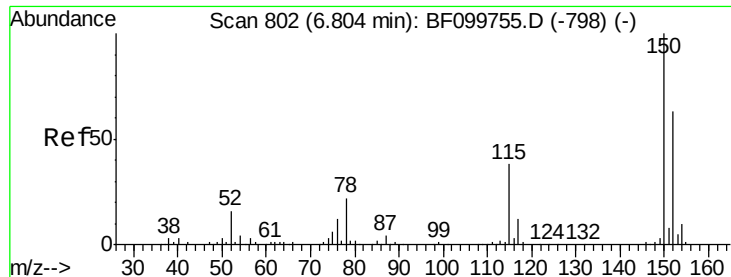
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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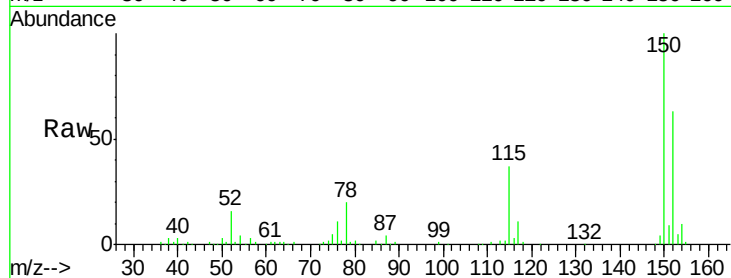


#1

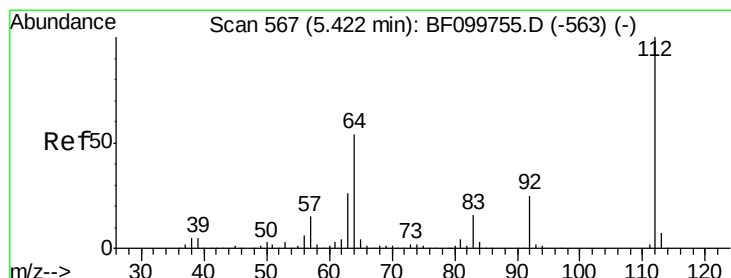
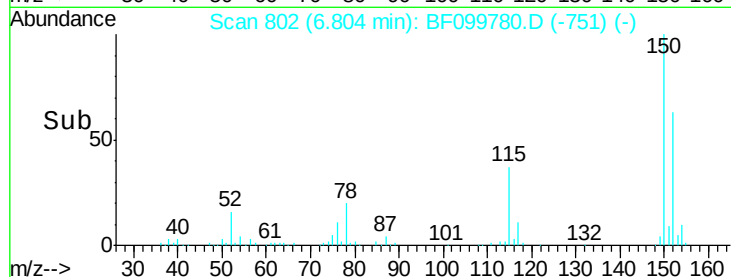
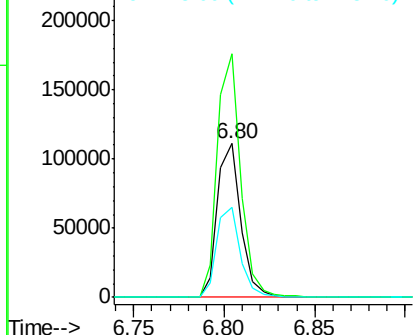
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099780.D
Acq: 24 Oct 2017 1:05

Instrument :
BNA_F
ClientSampleId :
RAV-GT202

Tot Ion:152 Resp: 100251
Ion Ratio Lower Upper
152 100
150 158.6 124.6 186.8
115 58.9 50.1 75.1



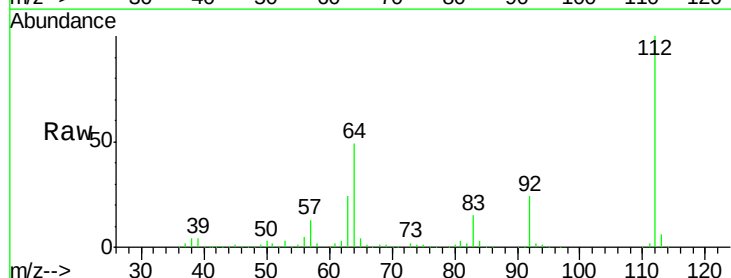
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



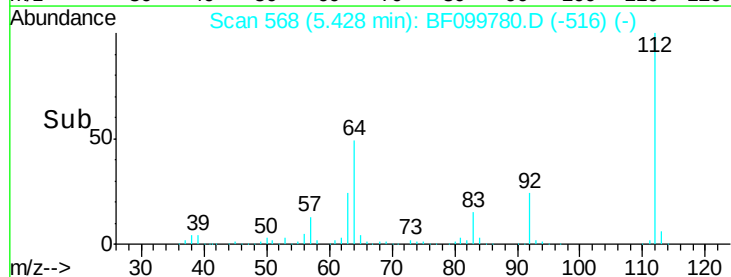
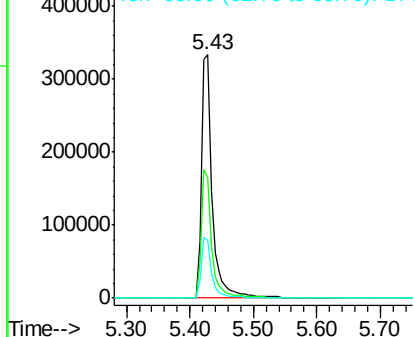
#5

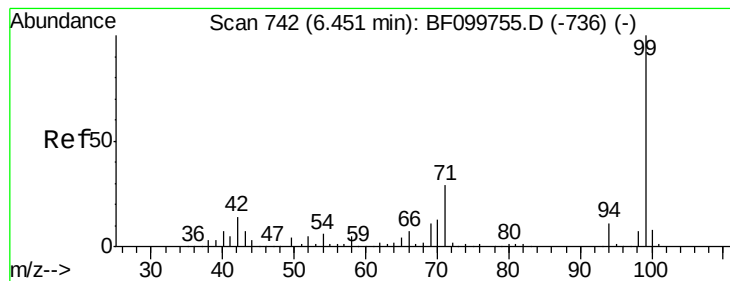
2-Fluorophenol
Concen: 60.80 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099780.D
Acq: 24 Oct 2017 1:05

Tgt Ion:112 Resp: 388219
Ion Ratio Lower Upper
112 100
64 49.4 47.9 71.9
63 23.8 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: 39.46 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF099780.D

Acq: 24 Oct 2017 1:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT202

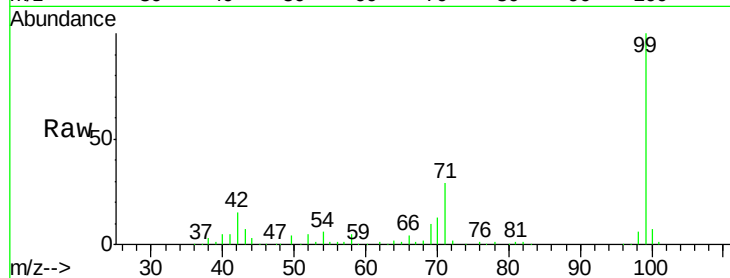
Tot Ion: 99 Resp: 298794

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

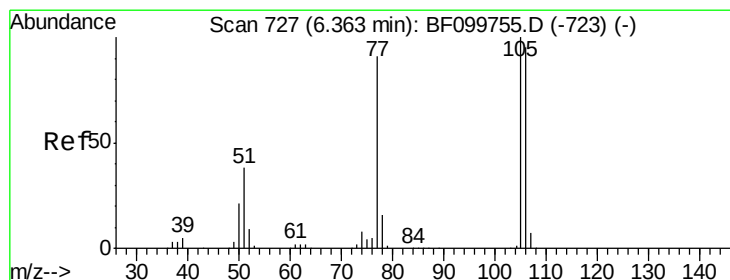
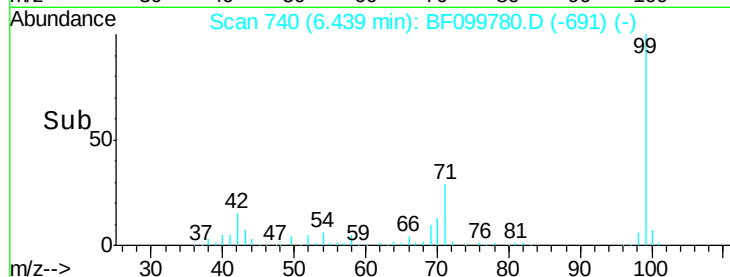
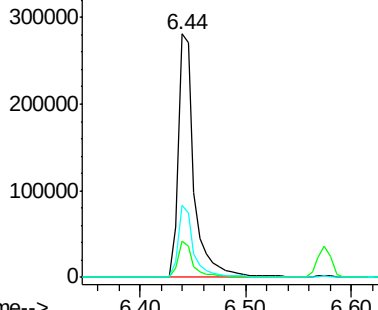
71 29.5 25.4 38.0



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: 2.65 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099780.D

Acq: 24 Oct 2017 1:05

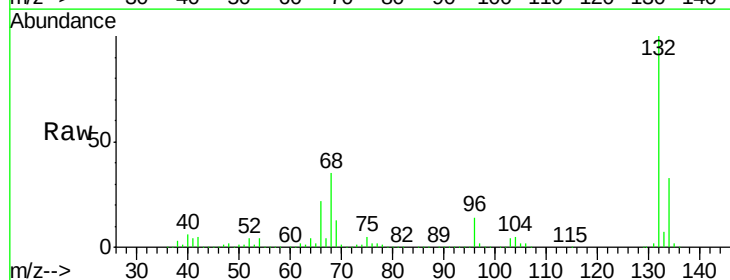
Tgt Ion: 77 Resp: 12007

Ion Ratio Lower Upper

77 100

105 80.4 81.1 121.1#

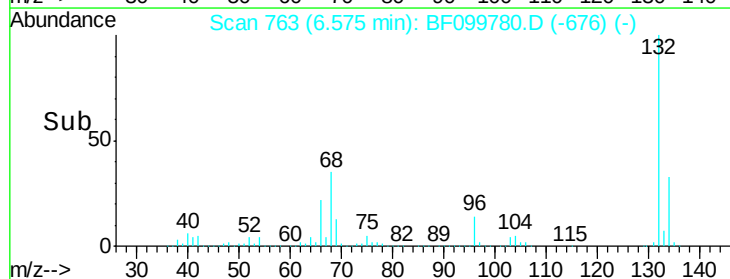
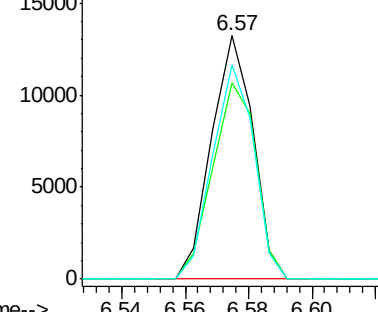
106 87.8 74.5 114.5

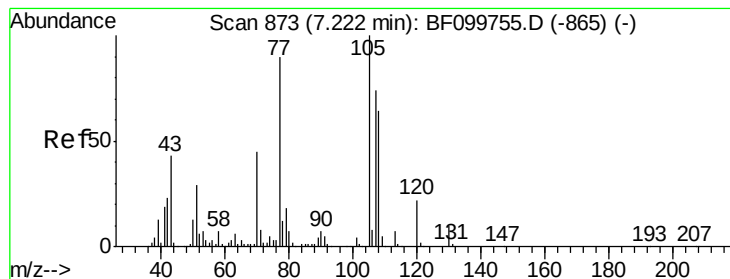


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 15.24 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF099780.D

Acq: 24 Oct 2017 1:05

Instrument :

BNA_F

ClientSampleId :

RAV-GT202

Tot Ion: 70 Resp: 67629

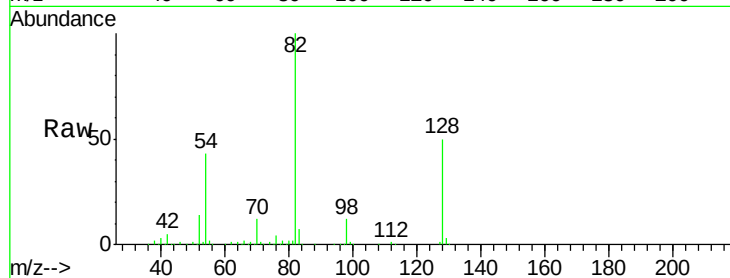
Ion Ratio Lower Upper

70 100

42 39.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

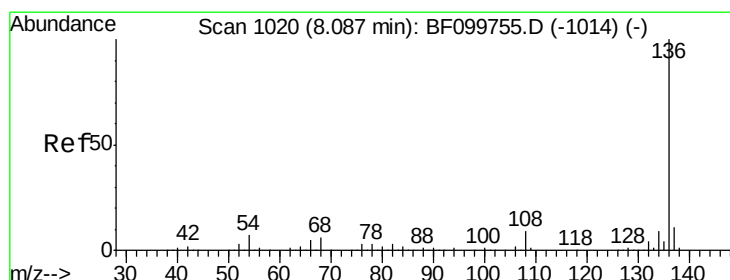
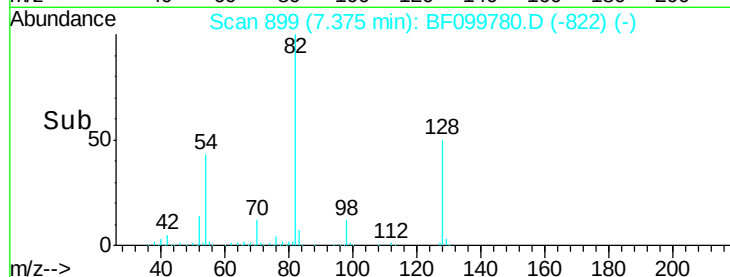
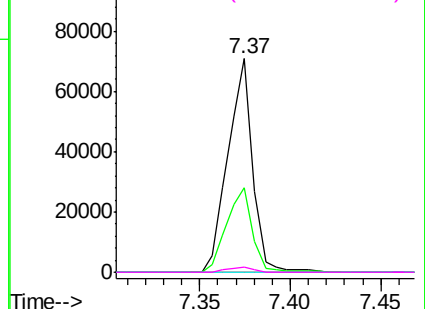


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF099780.D

Acq: 24 Oct 2017 1:05

Tgt Ion: 136 Resp: 417168

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.2 6.6 9.8#

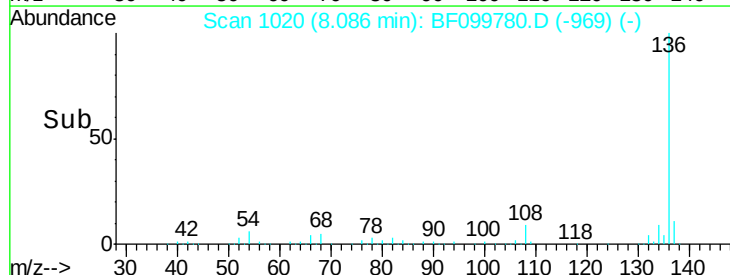
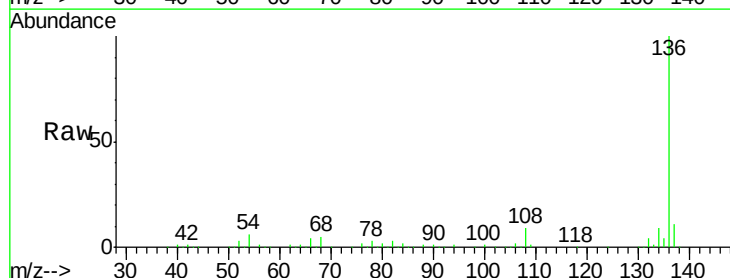
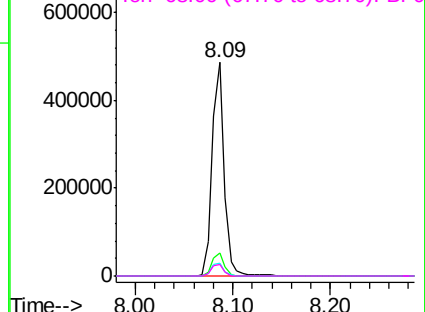
68 5.3 5.0 7.4

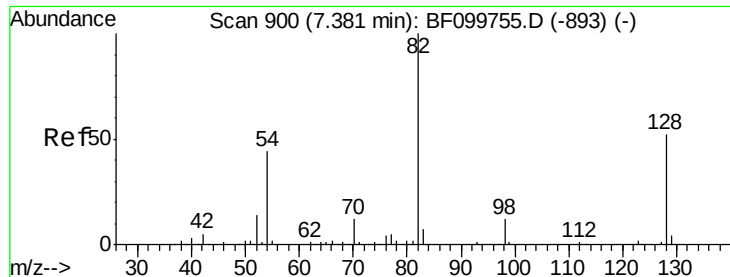
Abundance Ion 136.00 (135.70 to 136.70): E

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

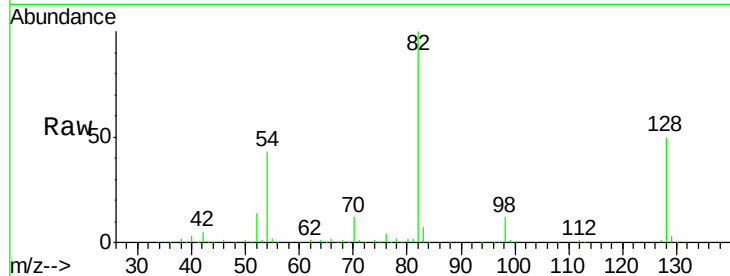




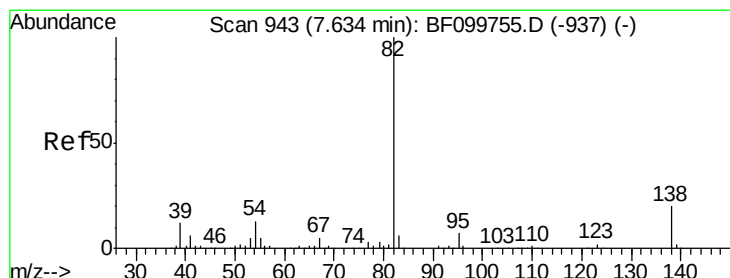
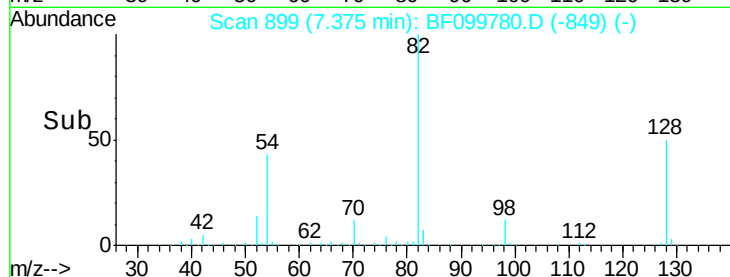
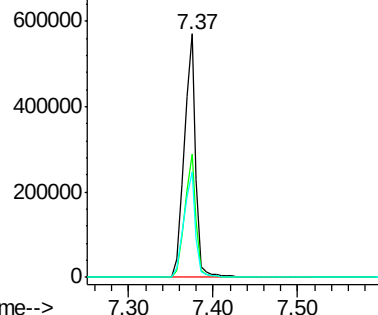
#23
 Nitrobenzene-d5
 Concen: 84.90 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF099780.D
 Acq: 24 Oct 2017 1:05

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT202

Tot Ion	82	Resp	550109
Ion Ratio	100	Lower	Upper
128	50.4	36.1	54.1
54	43.3	41.4	62.2

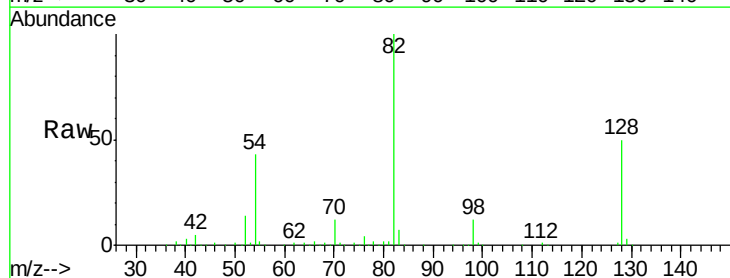


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

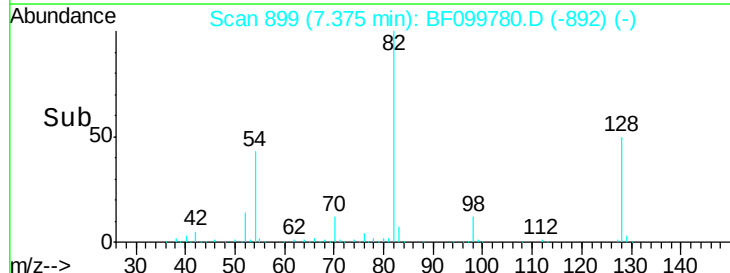
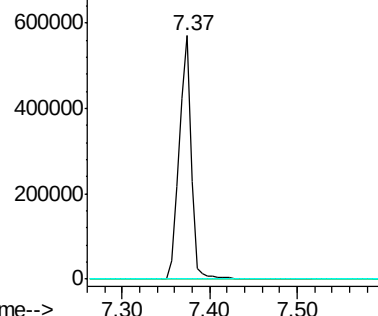


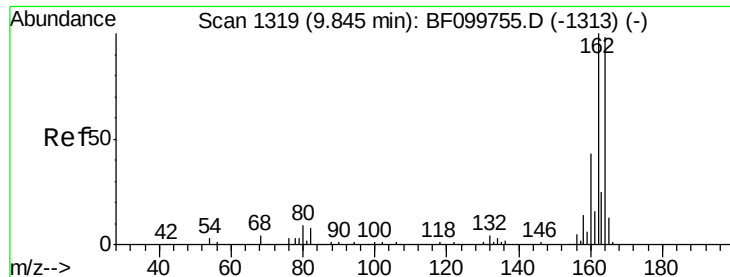
#25
 Isophorone
 Concen: 46.79 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.26 min
 Lab File: BF099780.D
 Acq: 24 Oct 2017 1:05

Tgt Ion	82	Resp	550104
Ion Ratio	100	Lower	Upper
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

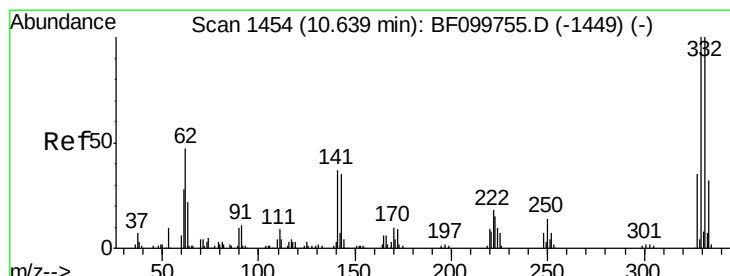
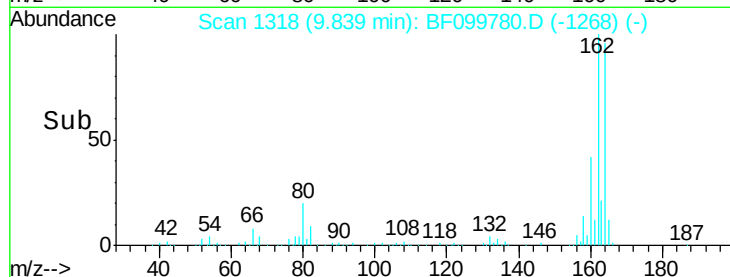
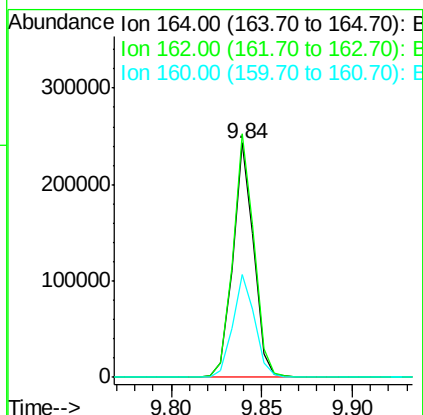
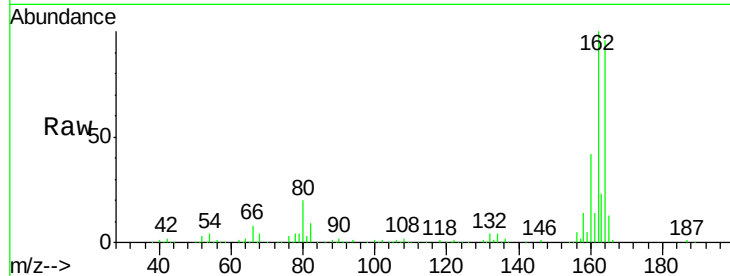




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF099780.D
Acq: 24 Oct 2017 1:05

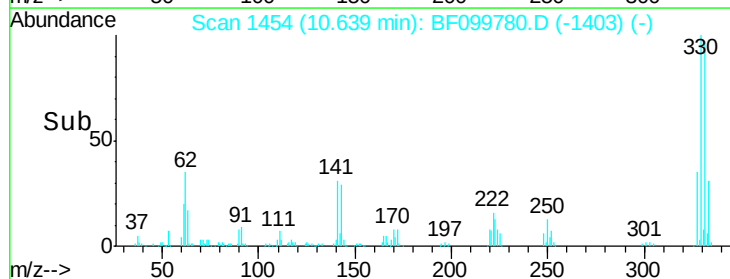
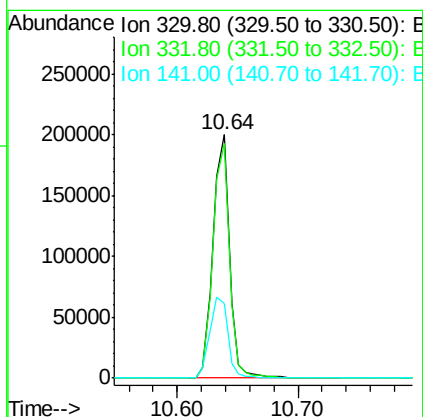
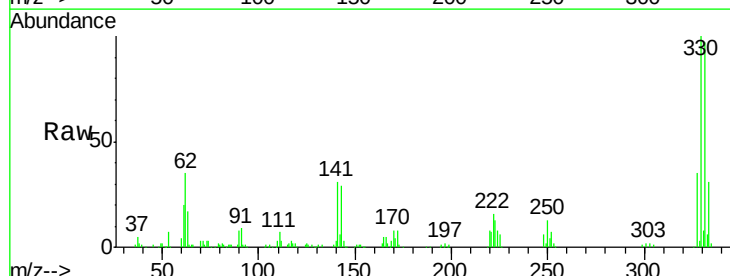
Instrument :
BNA_F
ClientSampleId :
RAV-GT202

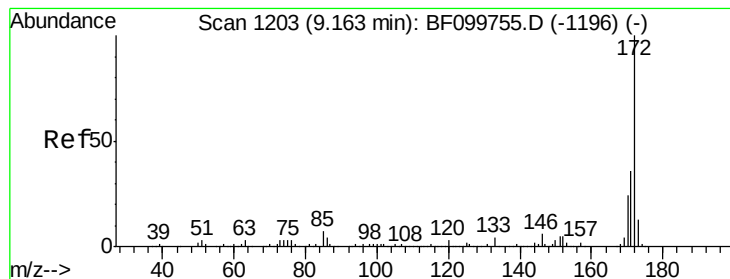
Tot Ion:164 Resp: 194158
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 44.1 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 106.56 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BF099780.D
Acq: 24 Oct 2017 1:05

Tgt Ion:330 Resp: 188540
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.6
141 36.7 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 87.05 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF099780.D

Acq: 24 Oct 2017 1:05

Instrument :

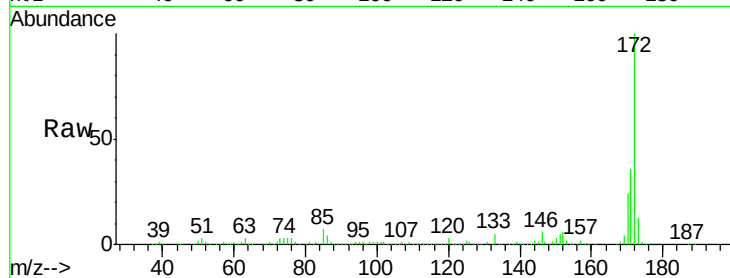
BNA_F

ClientSampleId :

RAV-GT202

Tot Ion:172 Resp: 1095439

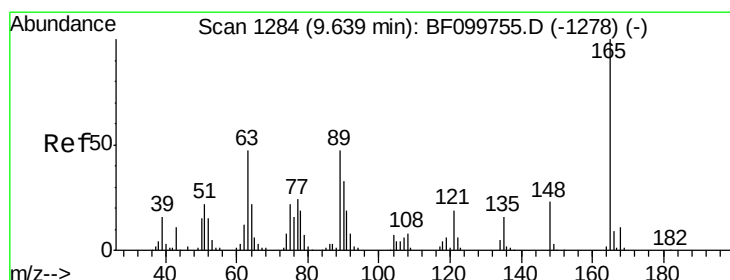
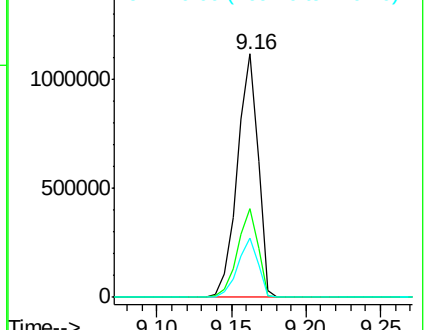
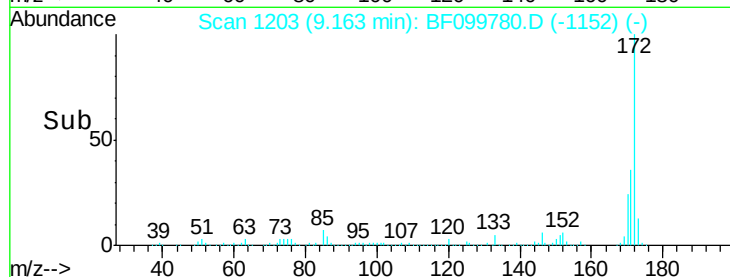
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4



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: 8.35 ng

RT: 9.52 min Scan# 1263

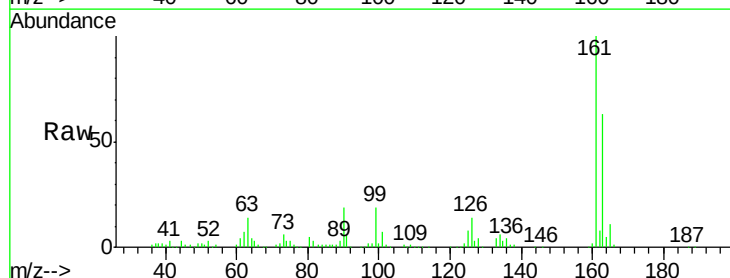
Delta R.T. -0.12 min

Lab File: BF099780.D

Acq: 24 Oct 2017 1:05

Tgt Ion:165 Resp: 27003

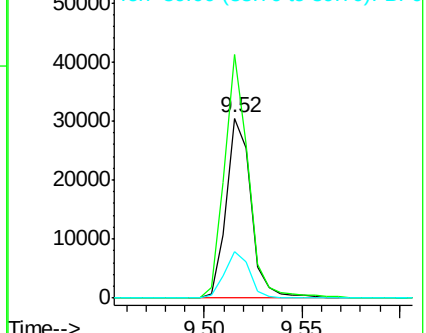
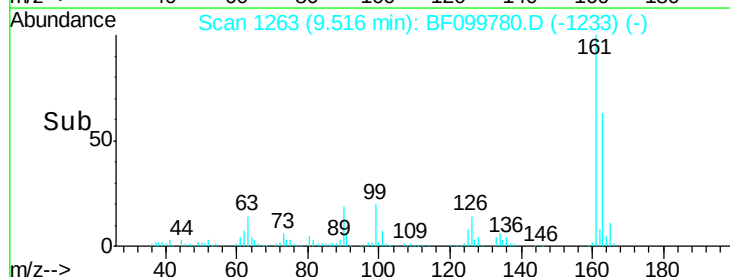
Ion	Ratio	Lower	Upper
165	100		
63	135.1	44.7	67.1#
89	25.7	44.0	66.0#

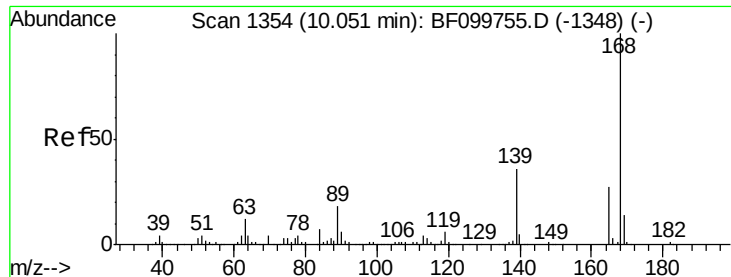


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

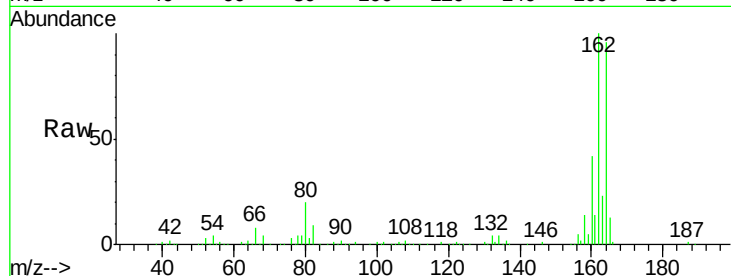




#56
 2,4-Dinitrotoluene
 Concen: 6.40 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF099780.D
 Acq: 24 Oct 2017 1:05

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT202

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

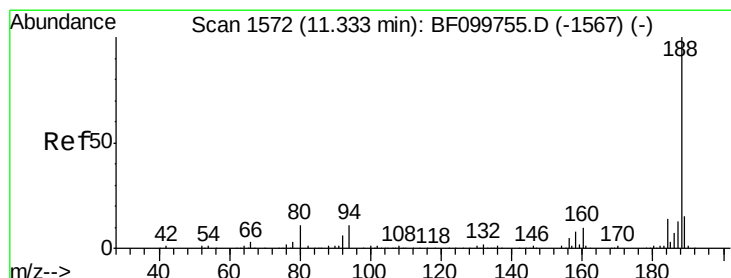
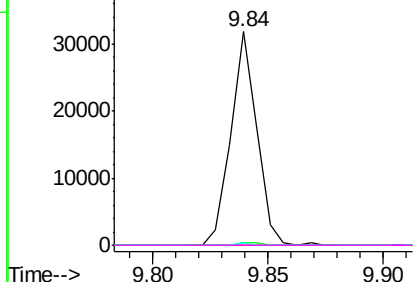
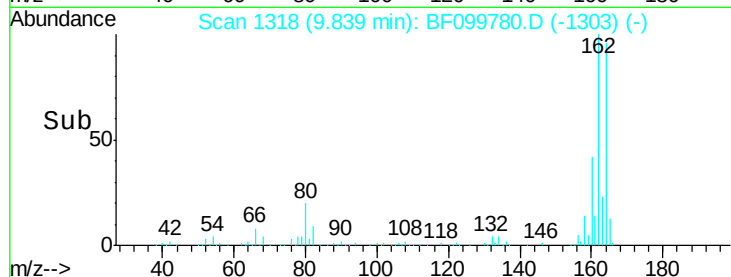


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

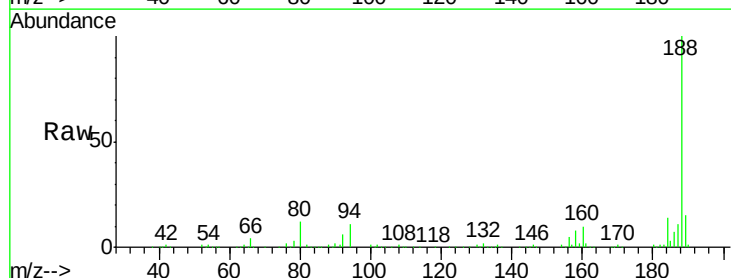
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF099780.D
 Acq: 24 Oct 2017 1:05

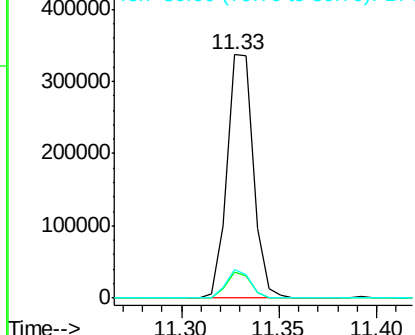
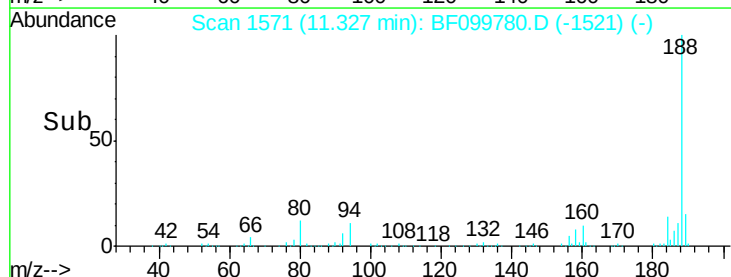
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.7	9.2	13.8

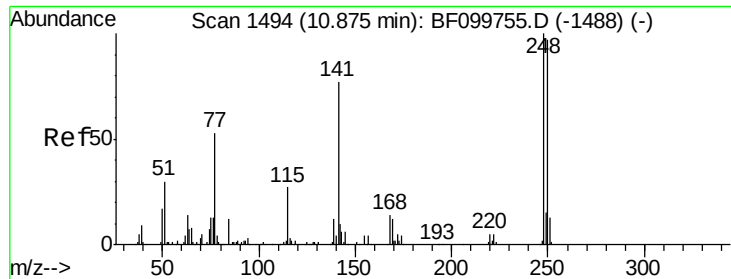


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

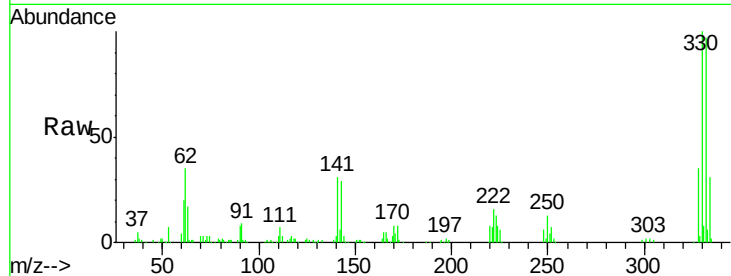




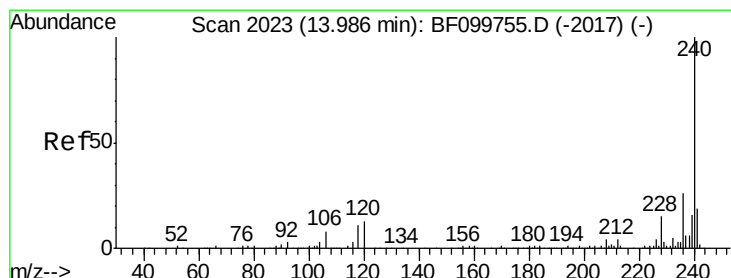
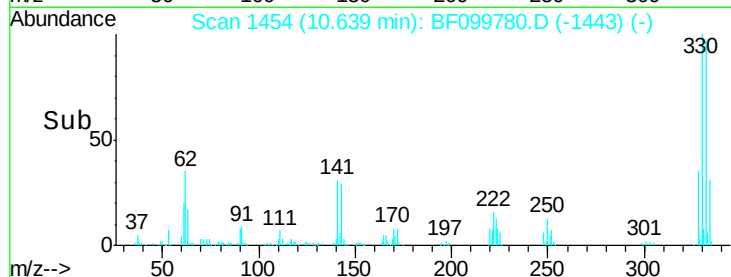
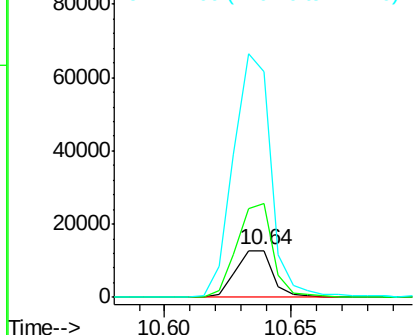
#66
4-Bromophenyl-phenylether
Concen: 3.88 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF099780.D
Acq: 24 Oct 2017 1:05

Instrument :
BNA_F
ClientSampleId :
RAV-GT202

Tot Ion:248 Resp: 12926
Ion Ratio Lower Upper
248 100
250 198.8 76.9 115.3#
141 478.2 74.4 111.6#

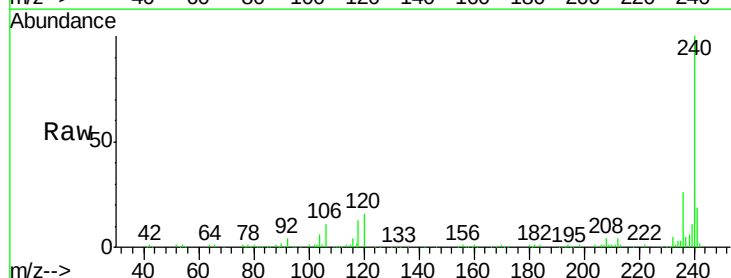


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

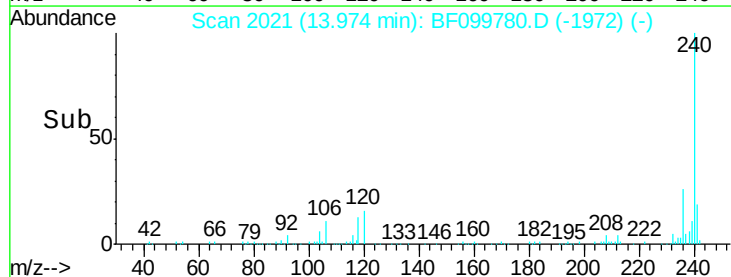
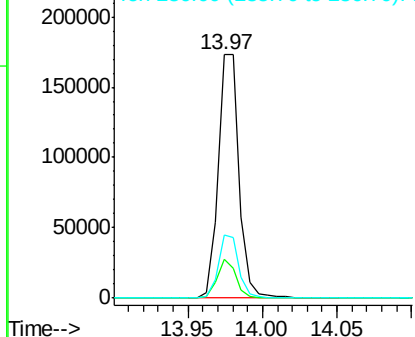


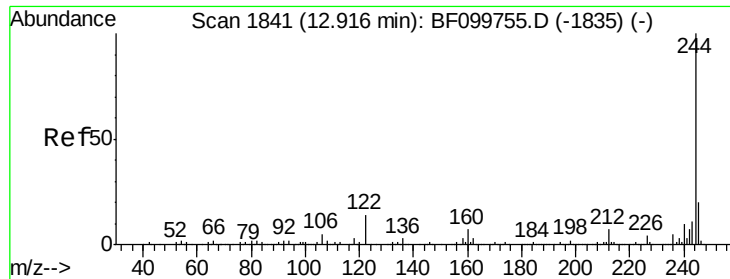
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF099780.D
Acq: 24 Oct 2017 1:05

Tgt Ion:240 Resp: 170369
Ion Ratio Lower Upper
240 100
120 15.8 9.5 14.3#
236 26.1 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

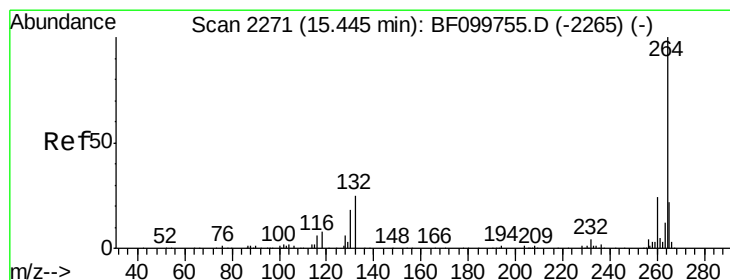
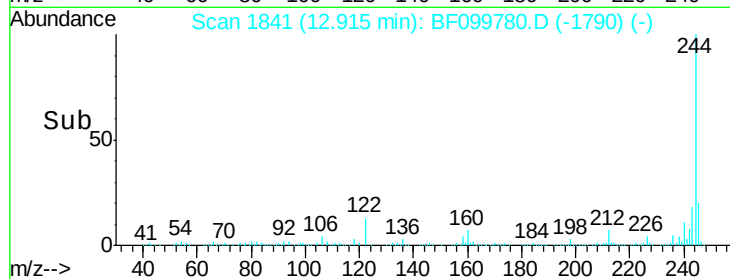
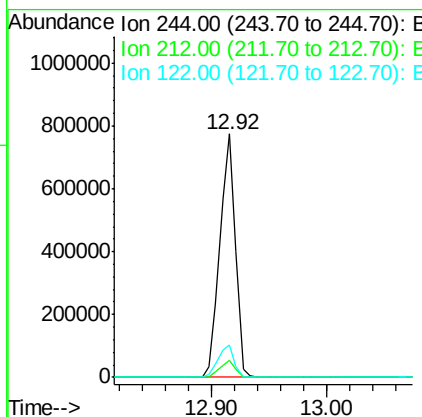
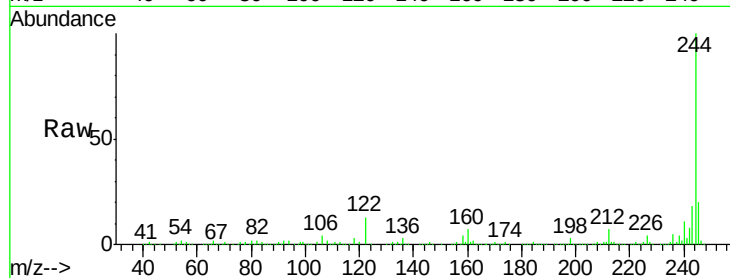




#78
 Terphenyl-d14
 Concen: 92.82 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099780.D
 Acq: 24 Oct 2017 1:05

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT202

Tot Ion:244 Resp: 723639
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.4 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: BF099780.D
 Acq: 24 Oct 2017 1:05

Tgt Ion:264 Resp: 184587
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 20.5 17.5 26.3

