

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102317\
 Data File : BF099781.D
 Acq On : 24 Oct 2017 1:32
 Operator : SJ/JU
 Sample : I6037-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT106

Quant Time: Oct 24 02:55:13 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

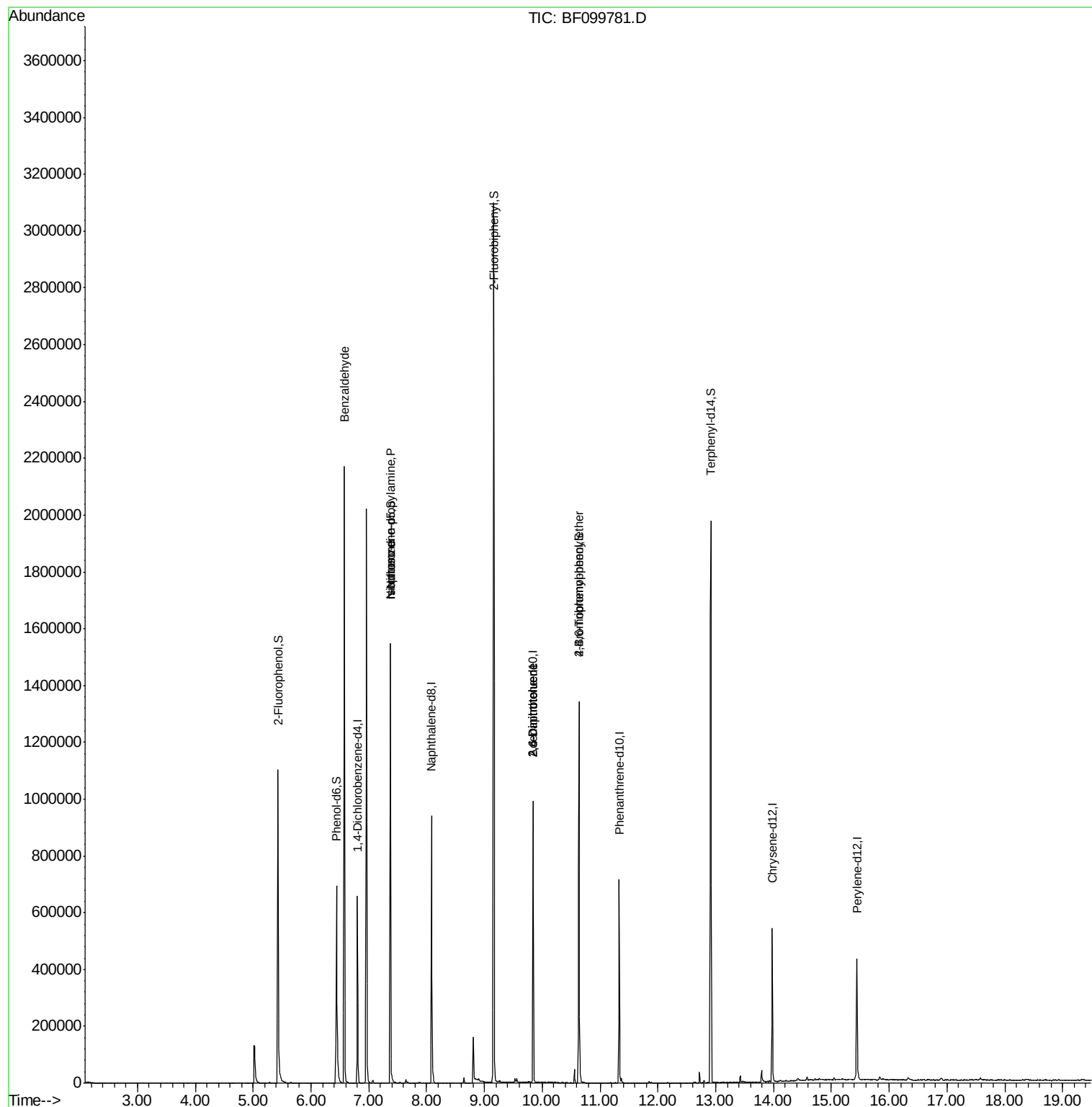
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105290	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	427520	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	189226	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	272333	20.00	ng	0.00
75) Chrysene-d12	13.97	240	182041	20.00	ng	-0.01
86) Perylene-d12	15.44	264	202420	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	394957	58.89	ng	0.00
7) Phenol-d6	6.45	99	302028	37.98	ng	0.00
23) Nitrobenzene-d5	7.37	82	533694	80.37	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	171644	99.54	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1051910	85.77	ng	0.00
78) Terphenyl-d14	12.92	244	638453	76.65	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	12119	2.55	ng	Qvalue 87
19) n-Nitroso-di-n-propylamine	7.37	70	65928	14.15	ng	# 72
25) Isophorone	7.37	82	533688	44.29	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	23678	7.52	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	23678	6.24	ng	# 22
66) 4-Bromophenyl-phenylether	10.63	248	11596	4.04	ng	# 1

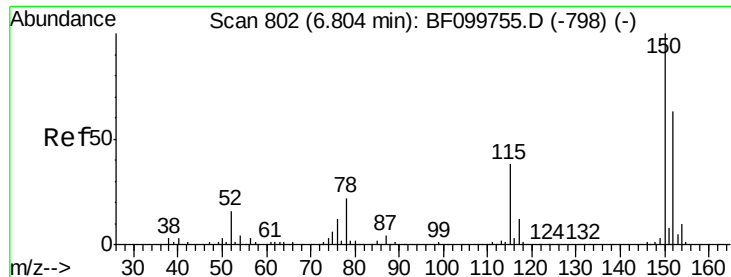
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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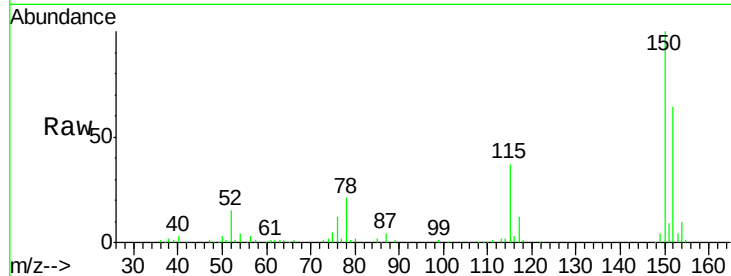


#1

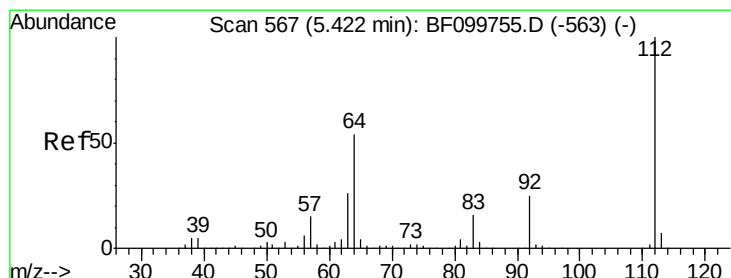
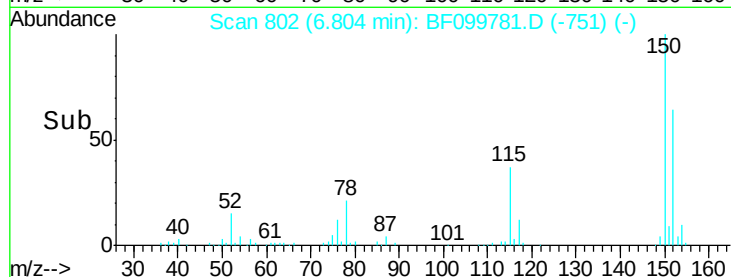
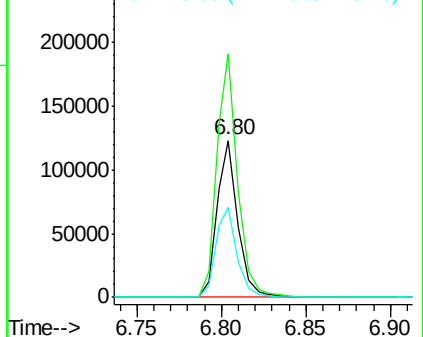
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF099781.D
 Acq: 24 Oct 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT106

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	57.2	50.1	75.1



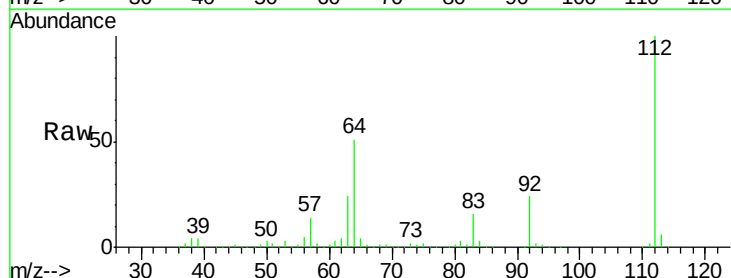
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



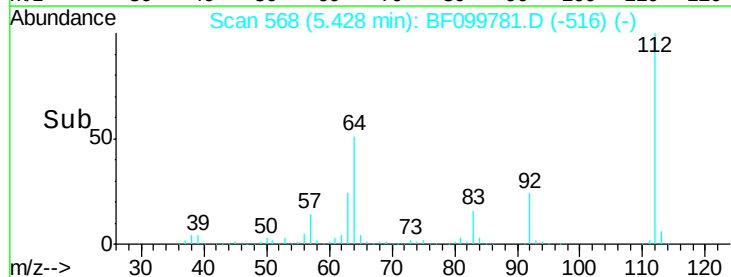
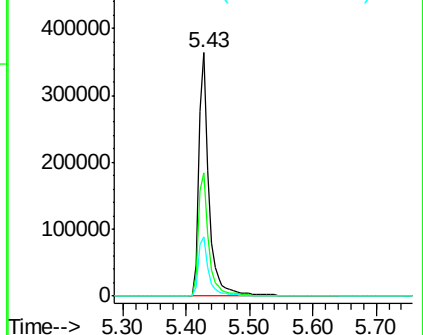
#5

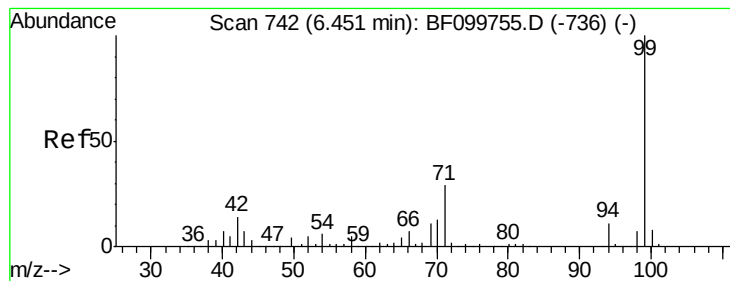
2-Fluorophenol
 Concen: 58.89 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF099781.D
 Acq: 24 Oct 2017 1:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	47.9	71.9
63	24.3	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: 37.98 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099781.D

Acq: 24 Oct 2017 1:32

Instrument :

BNA_F

ClientSampleId :

RAV-GT106

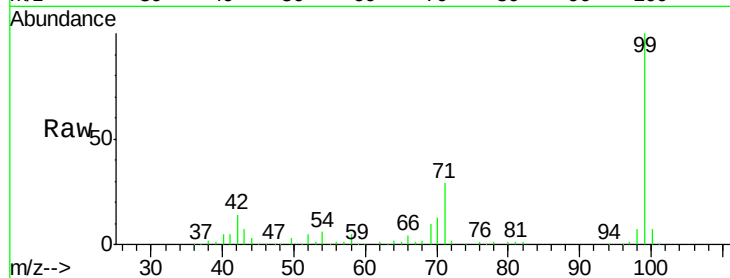
Tot Ion: 99 Resp: 302028

Ion Ratio Lower Upper

99 100

42 13.6 14.5 21.7#

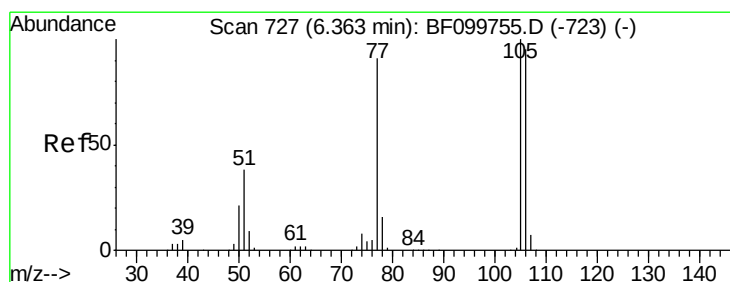
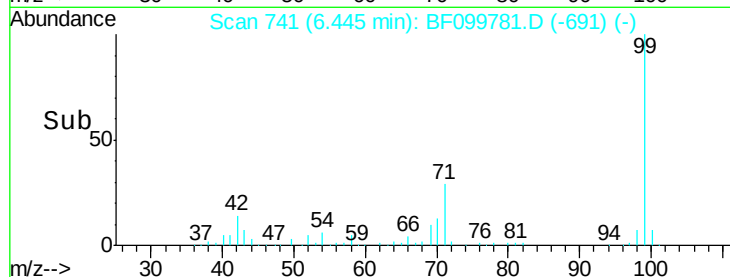
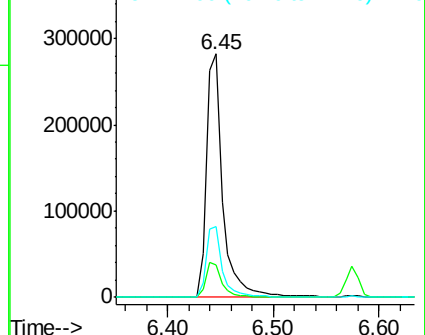
71 29.0 25.4 38.0



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: 2.55 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.21 min

Lab File: BF099781.D

Acq: 24 Oct 2017 1:32

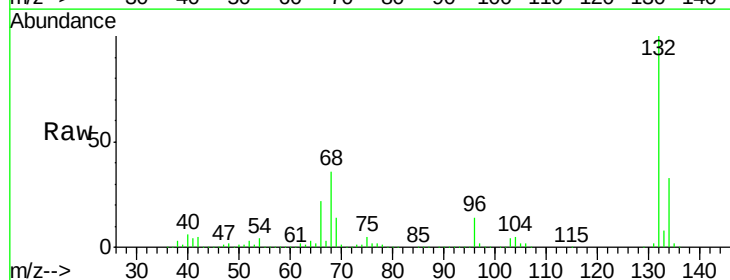
Tgt Ion: 77 Resp: 12119

Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

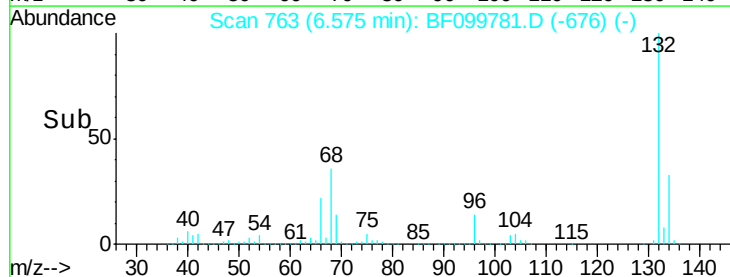
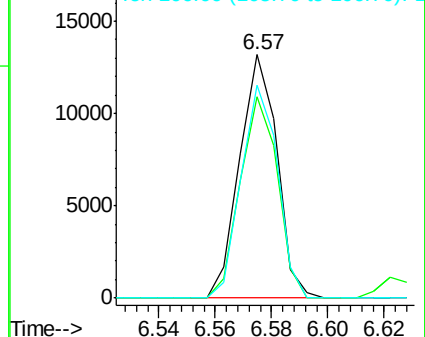
106 87.7 74.5 114.5

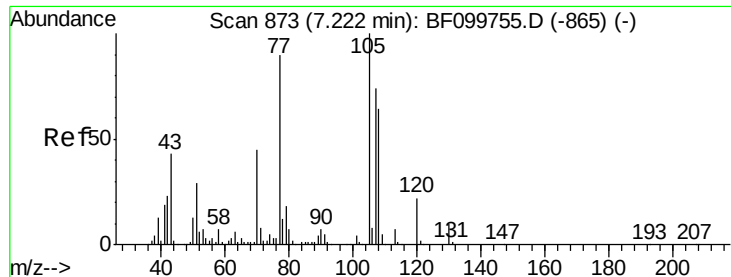


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

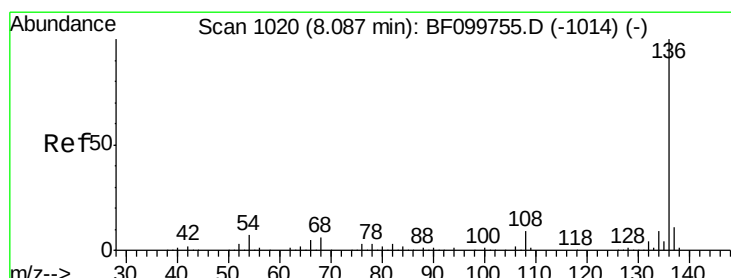
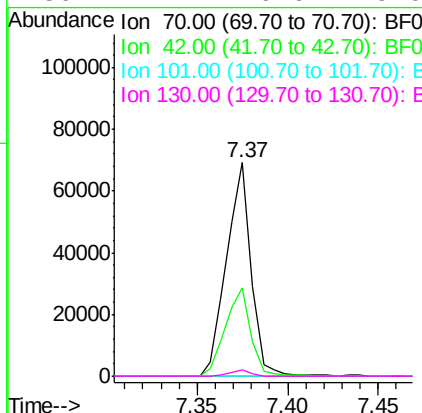
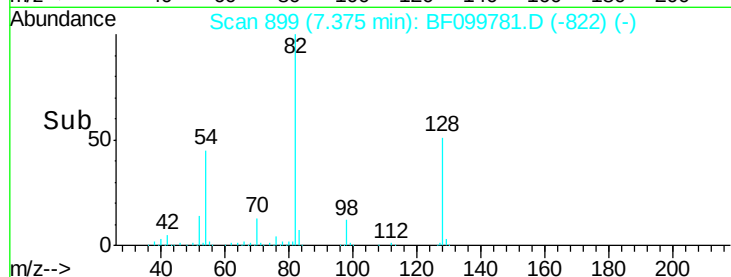
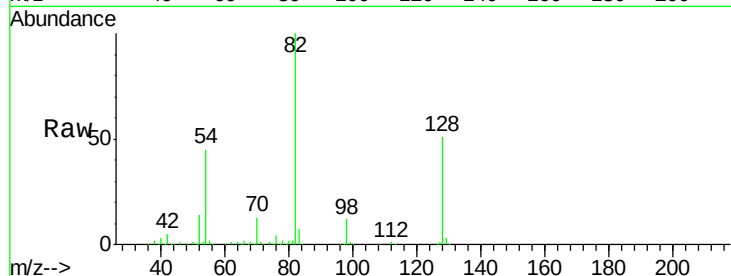




#19
n-Nitroso-di-n-propylamine
Concen: 14.15 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF099781.D
Acq: 24 Oct 2017 1:32

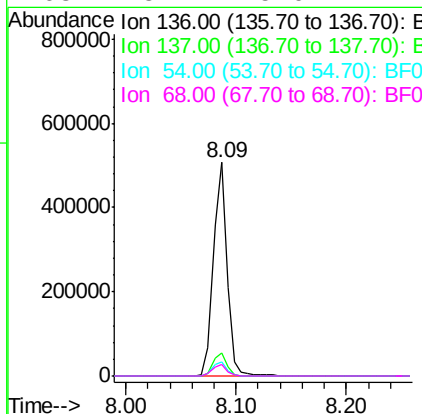
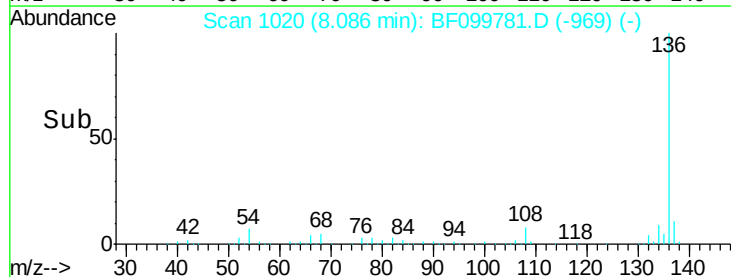
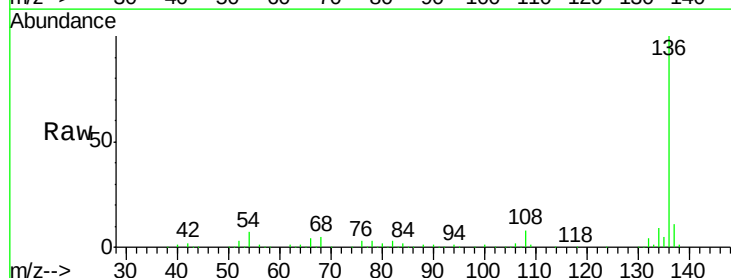
Instrument :
BNA_F
ClientSampleId :
RAV-GT106

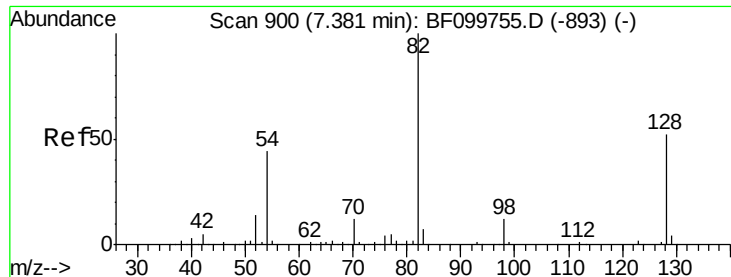
Tot Ion: 70 Resp: 65928
Ion Ratio Lower Upper
70 100
42 41.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.7 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099781.D
Acq: 24 Oct 2017 1:32

Tgt Ion: 136 Resp: 427520
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.5 6.6 9.8#
68 5.2 5.0 7.4

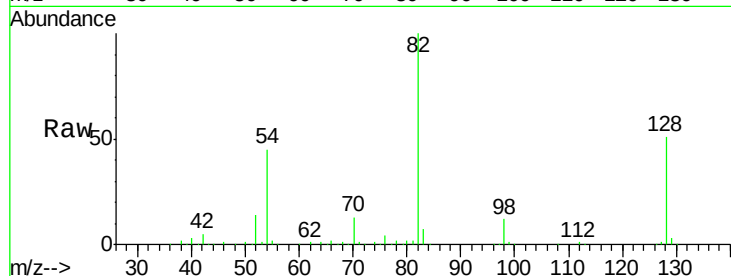




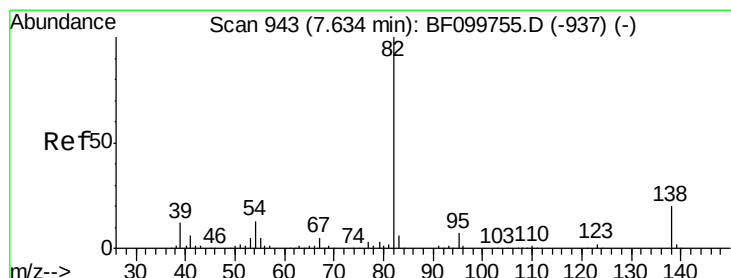
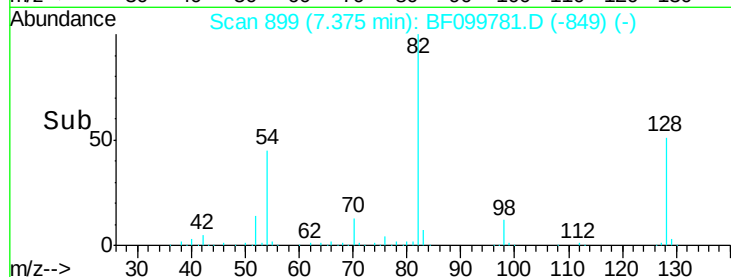
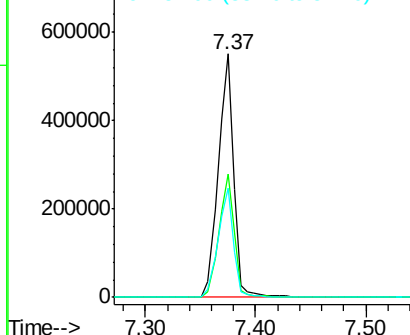
#23
 Nitrobenzene-d5
 Concen: 80.37 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF099781.D
 Acq: 24 Oct 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT106

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.6	36.1	54.1
54	45.1	41.4	62.2

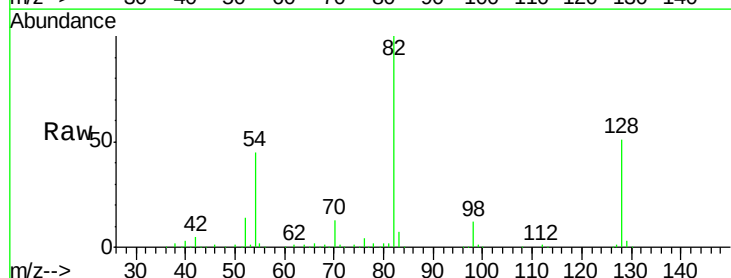


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

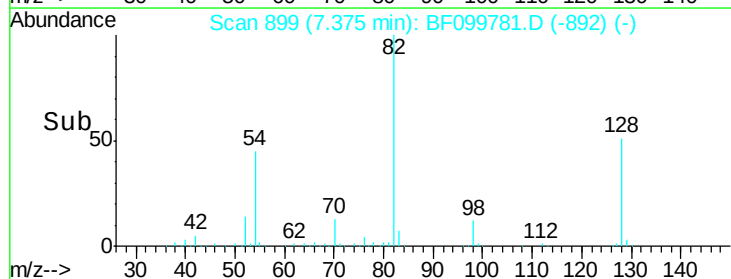
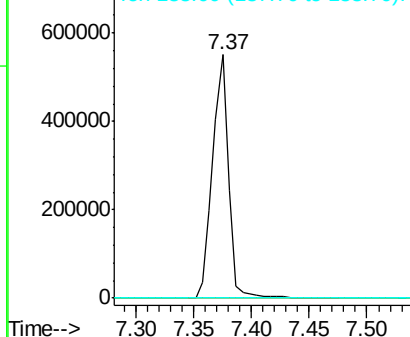


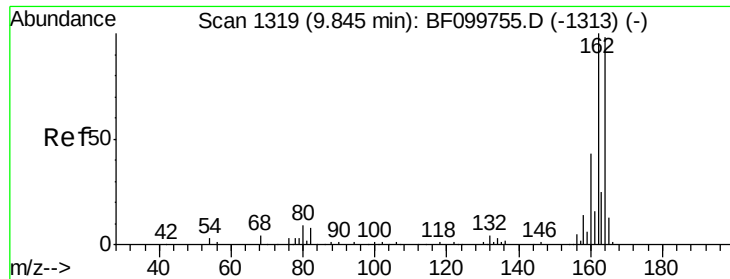
#25
 Isophorone
 Concen: 44.29 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.26 min
 Lab File: BF099781.D
 Acq: 24 Oct 2017 1:32

Tgt 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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099781.D

Acq: 24 Oct 2017 1:32

Instrument :

BNA_F

ClientSampleId :

RAV-GT106

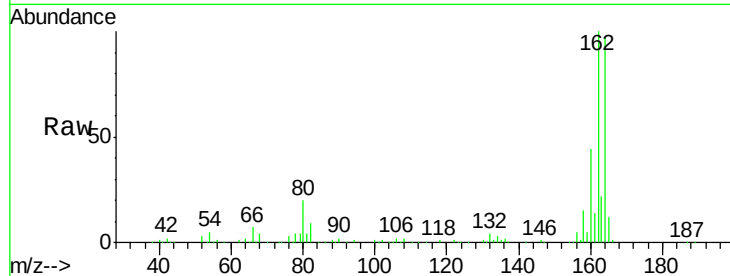
Tot Ion:164 Resp: 189226

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

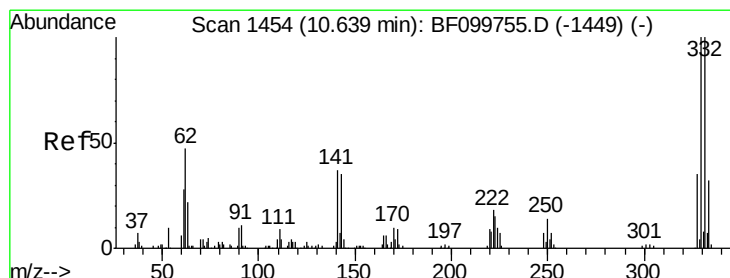
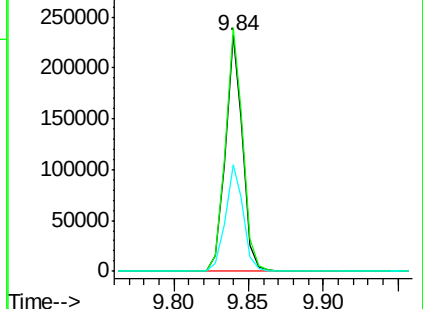
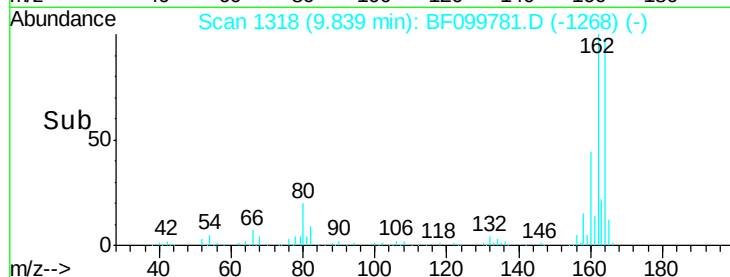
160 45.2 38.3 57.5



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: 99.54 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF099781.D

Acq: 24 Oct 2017 1:32

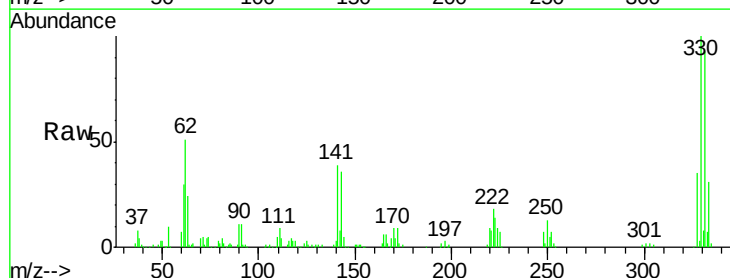
Tgt Ion:330 Resp: 171644

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

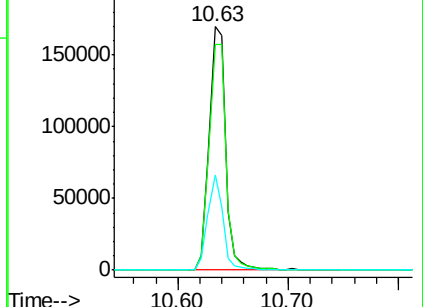
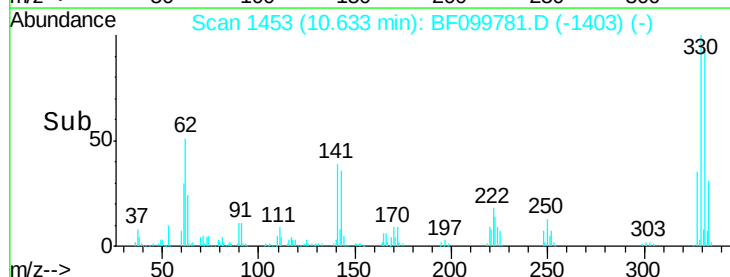
141 36.0 29.9 44.9

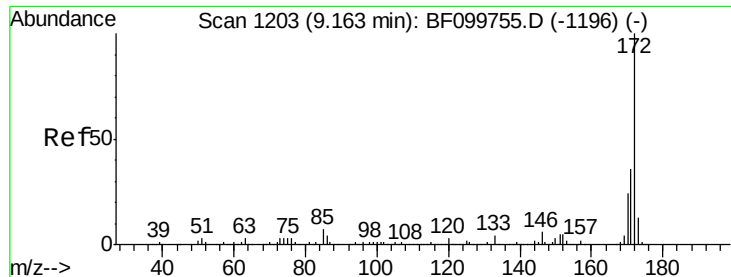


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

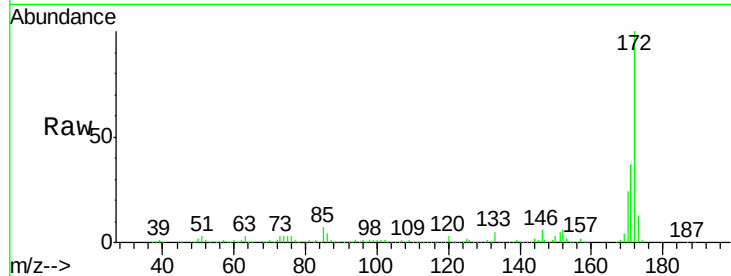




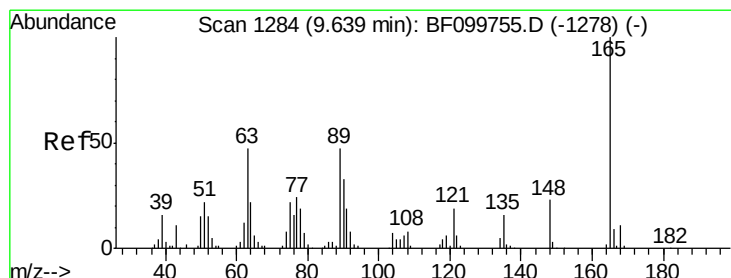
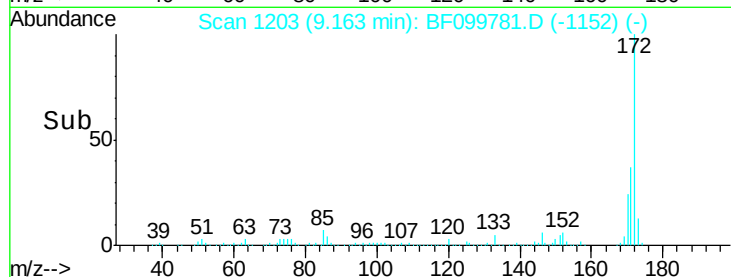
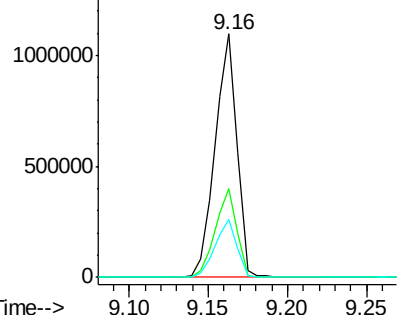
#44
2-Fluorobiphenyl
Concen: 85.77 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF099781.D
Acq: 24 Oct 2017 1:32

Instrument :
BNA_F
ClientSampleId :
RAV-GT106

Tot Ion:172 Resp: 1051910
Ion Ratio Lower Upper
172 100
171 36.6 29.7 44.5
170 23.8 19.6 29.4

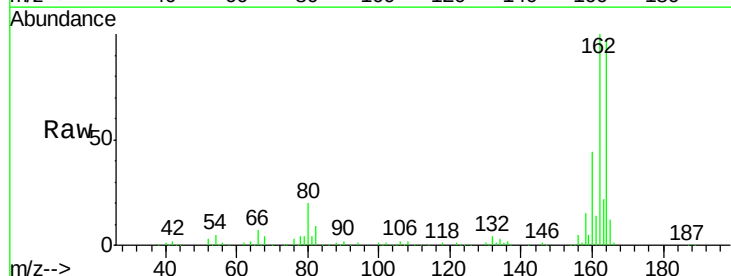


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

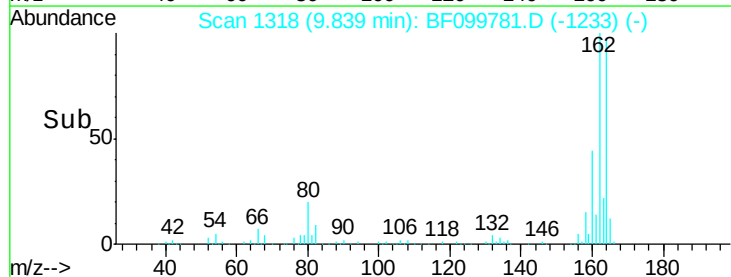
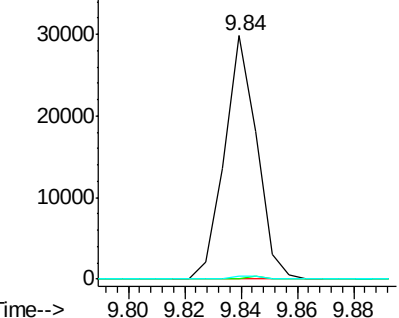


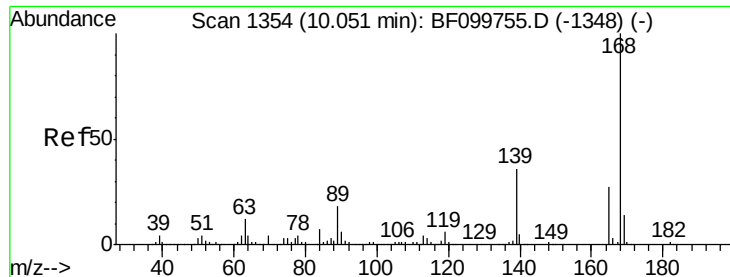
#50
2,6-Dinitrotoluene
Concen: 7.52 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF099781.D
Acq: 24 Oct 2017 1:32

Tgt Ion:165 Resp: 23678
Ion Ratio Lower Upper
165 100
63 0.0 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

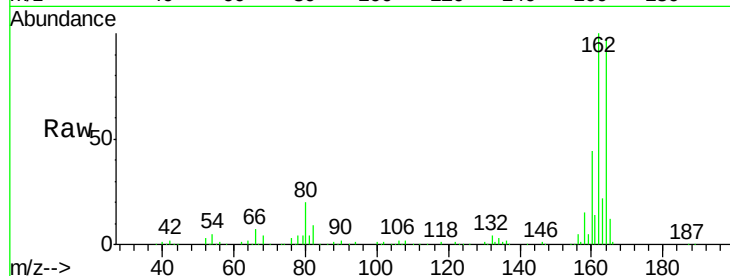




#56
 2,4-Dinitrotoluene
 Concen: 6.24 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF099781.D
 Acq: 24 Oct 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT106

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

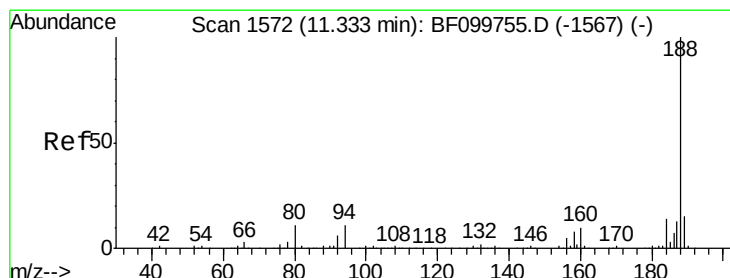
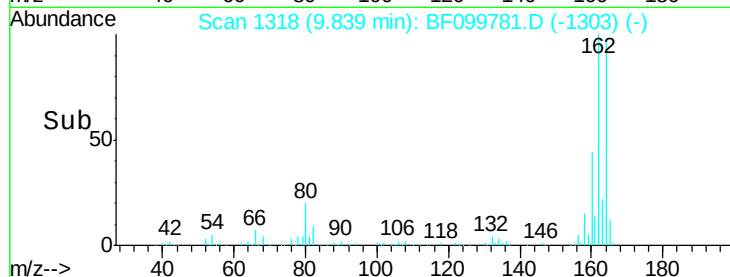
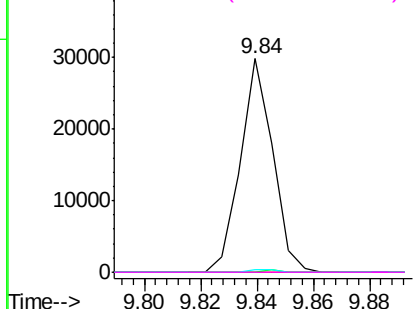


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

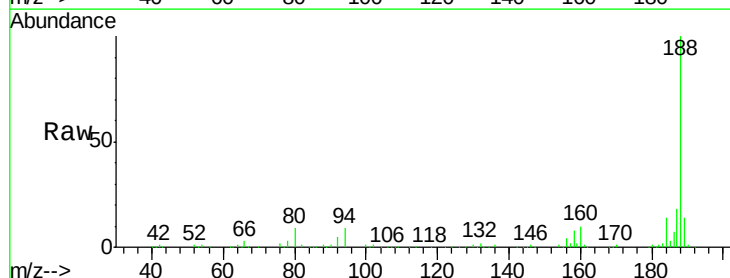
Ion 89.00 (88.70 to 89.70): BF0

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: BF099781.D
 Acq: 24 Oct 2017 1:32

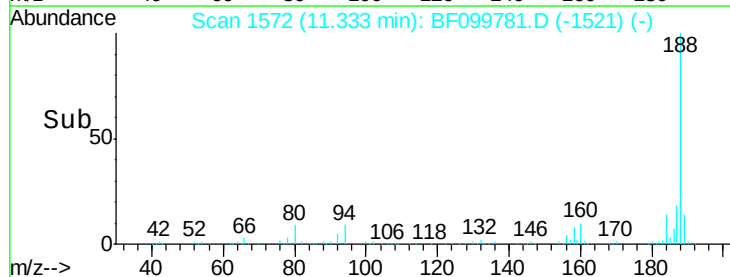
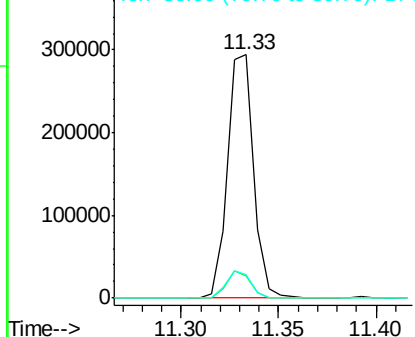
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	9.4	9.2	13.8

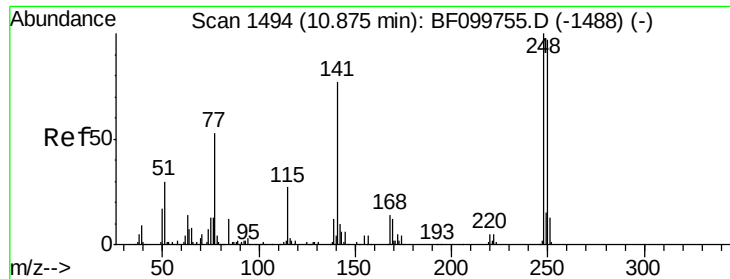


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

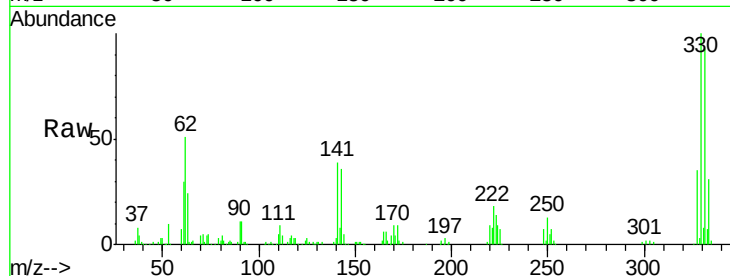




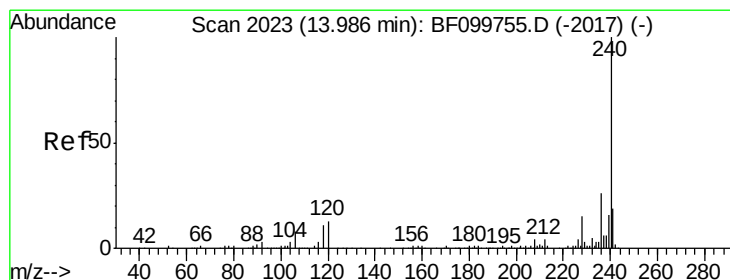
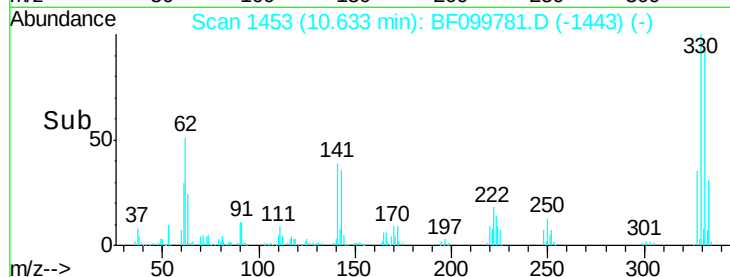
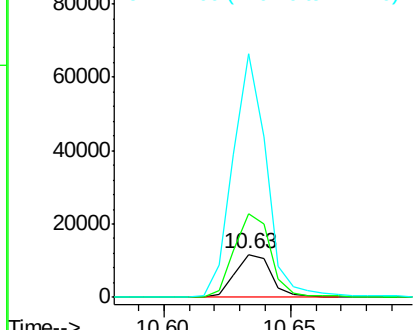
#66
4-Bromophenyl-phenylether
Concen: 4.04 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099781.D
Acq: 24 Oct 2017 1:32

Instrument :
BNA_F
ClientSampleId :
RAV-GT106

Tot Ion:248 Resp: 11596
Ion Ratio Lower Upper
248 100
250 193.6 76.9 115.3#
141 564.3 74.4 111.6#

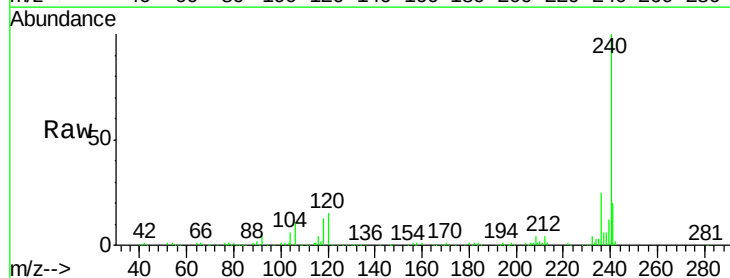


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

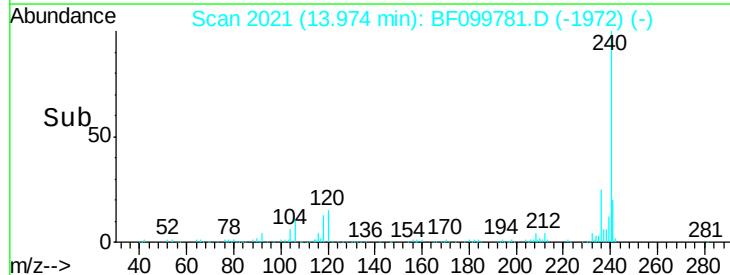
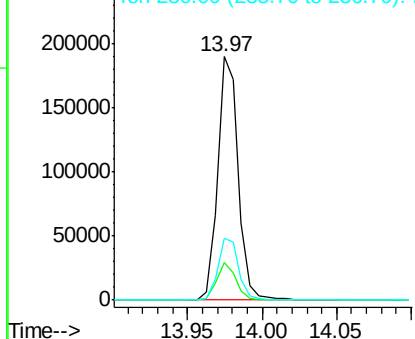


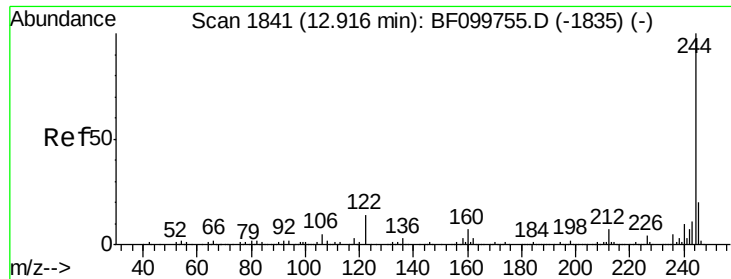
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF099781.D
Acq: 24 Oct 2017 1:32

Tgt Ion:240 Resp: 182041
Ion Ratio Lower Upper
240 100
120 15.3 9.5 14.3#
236 25.3 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

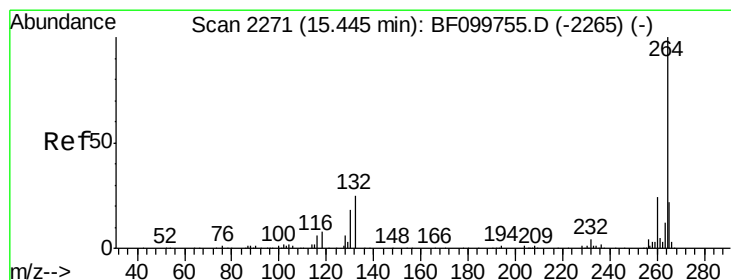
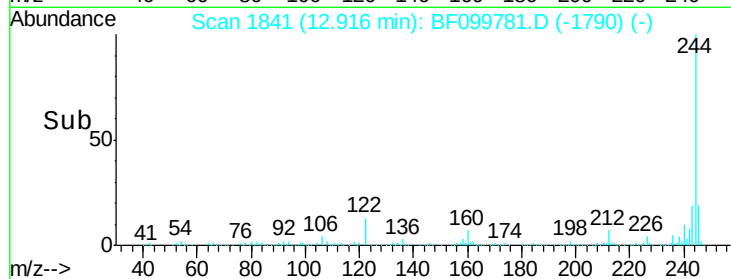
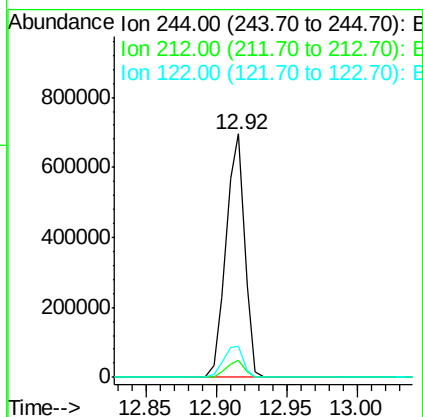
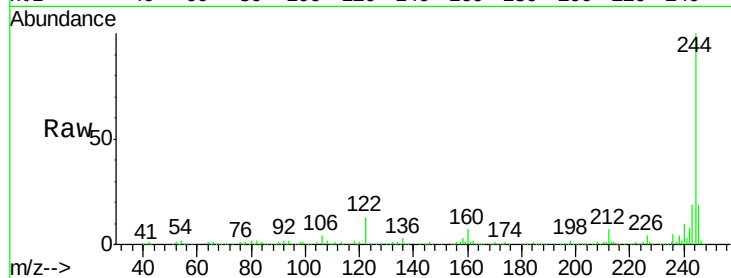




#78
 Terphenyl-d14
 Concen: 76.65 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099781.D
 Acq: 24 Oct 2017 1:32

Instrument :
 BNA_F
 ClientSampleId :
 RAV-GT106

Tot Ion:244 Resp: 638453
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.7 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: BF099781.D
 Acq: 24 Oct 2017 1:32

Tgt Ion:264 Resp: 202420
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.0 17.5 26.3

