

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099807.D
 Acq On : 25 Oct 2017 00:11
 Operator : SJ/JU
 Sample : I5956-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 07:41:16 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

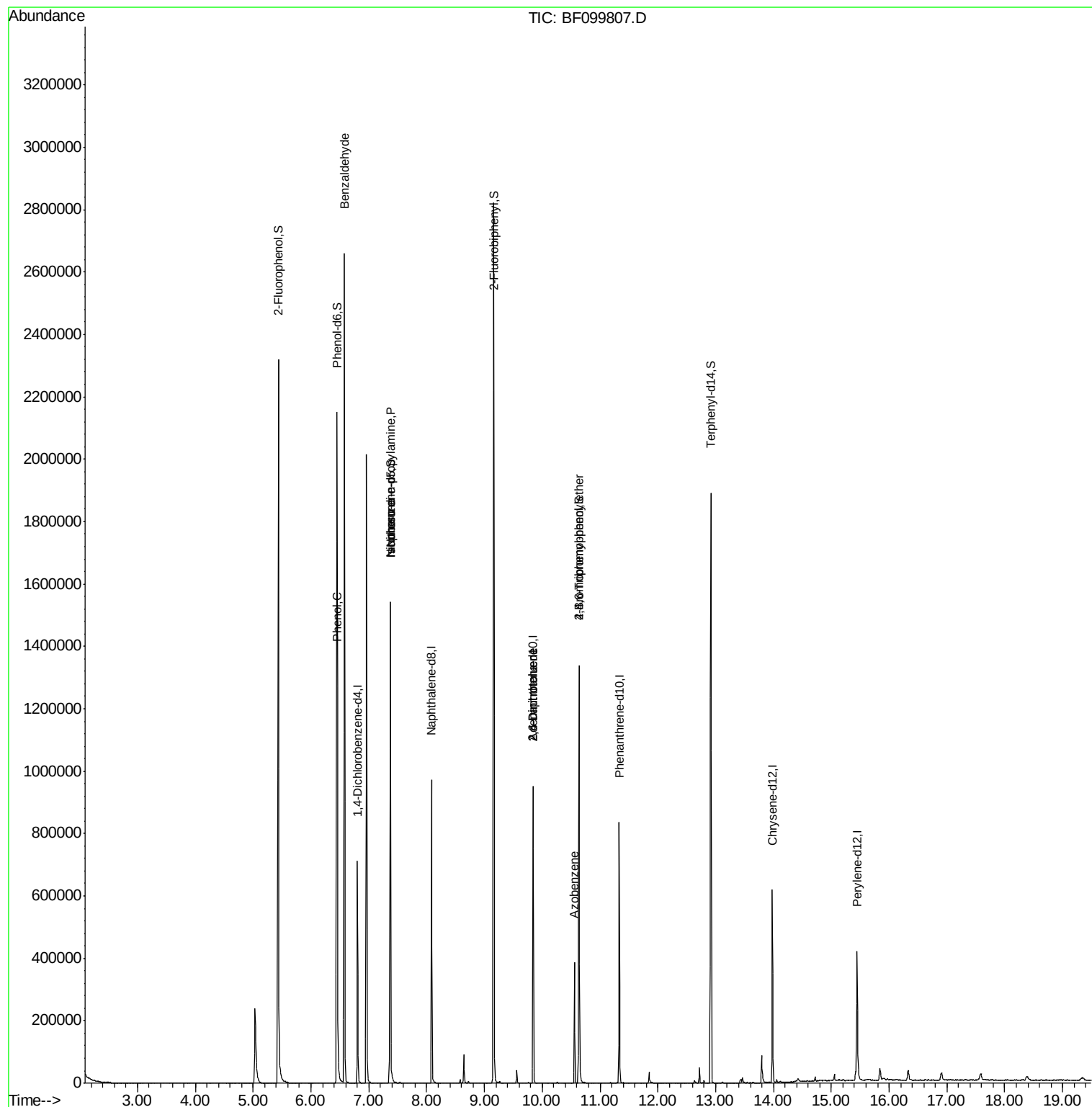
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	109456	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	438104	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	188388	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	283761	20.00	ng	0.00
75) Chrysene-d12	13.98	240	196182	20.00	ng	0.00
86) Perylene-d12	15.45	264	195906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	820976	117.76	ng	0.01
7) Phenol-d6	6.45	99	989033	119.64	ng	0.00
23) Nitrobenzene-d5	7.37	82	577115	84.81	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	180118	104.91	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	960873	78.69	ng	0.00
78) Terphenyl-d14	12.92	244	583929	65.05	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.58	77	15117	3.06	ng	86
10) Phenol	6.46	94	19686	2.17	ng	94
19) n-Nitroso-di-n-propylamine	7.37	70	72726	15.01	ng	# 72
25) Isophorone	7.37	82	577111	46.74	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	23596	7.52	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	23596	6.25	ng	# 21
62) Azobenzene	10.56	77	58891	4.82	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11752	3.93	ng	# 1

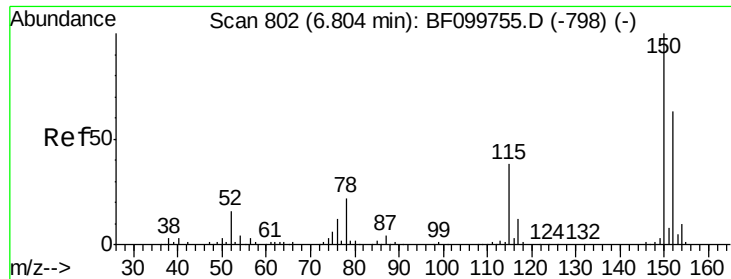
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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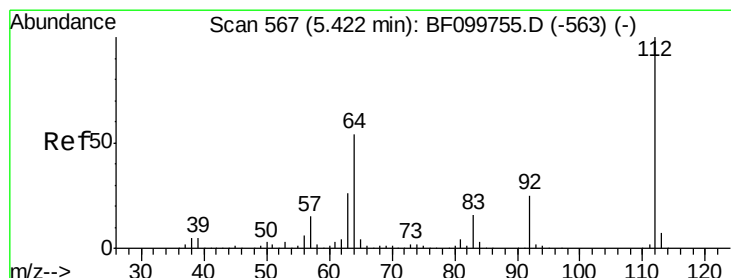
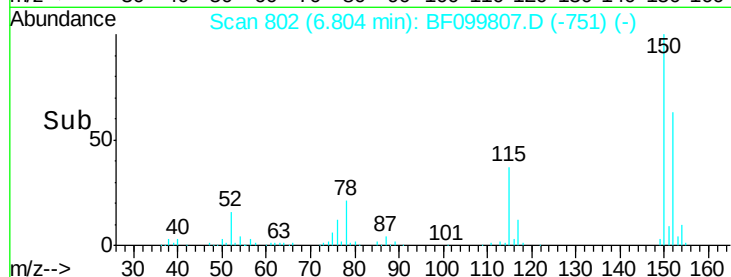
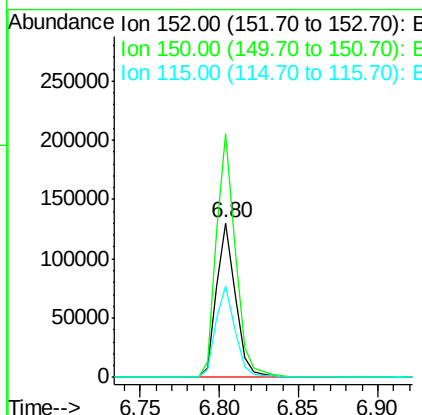
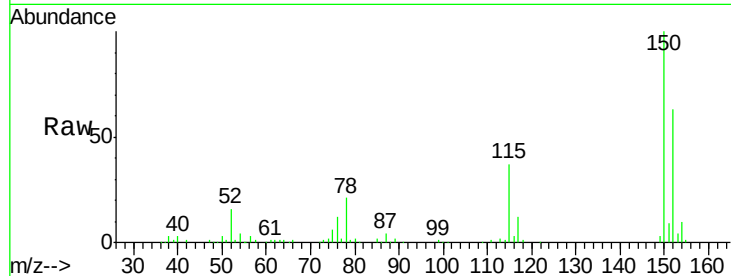


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

Instrument :
BNA_F
ClientSampleId :

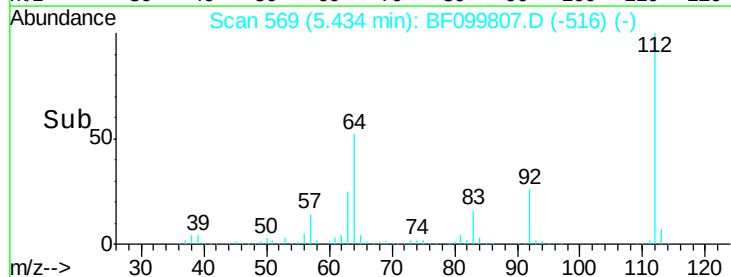
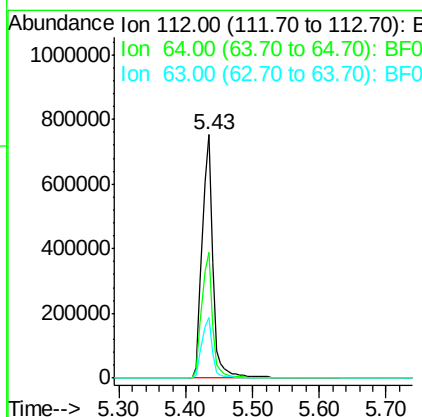
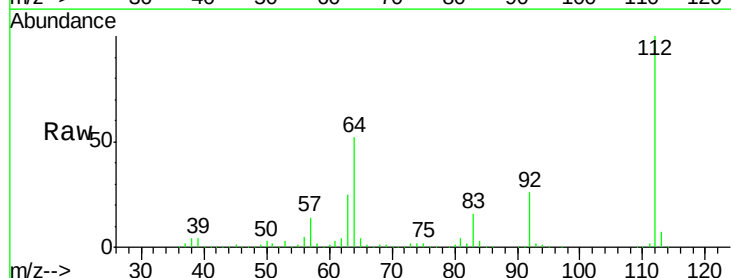
Tot Ion:152 Resp: 109456
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 58.9 50.1 75.1

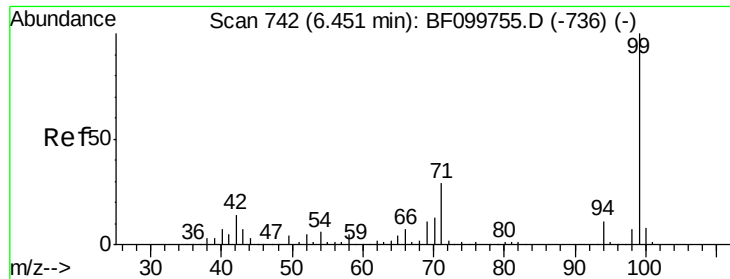


#5

2-Fluorophenol
Concen: 117.76 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

Tgt Ion:112 Resp: 820976
Ion Ratio Lower Upper
112 100
64 51.6 47.9 71.9
63 24.7 23.7 35.5





#7

Phenol-d6

Concen: 119.64 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF099807.D

Acq: 25 Oct 2017 00:11

Instrument :

BNA_F

ClientSampled :

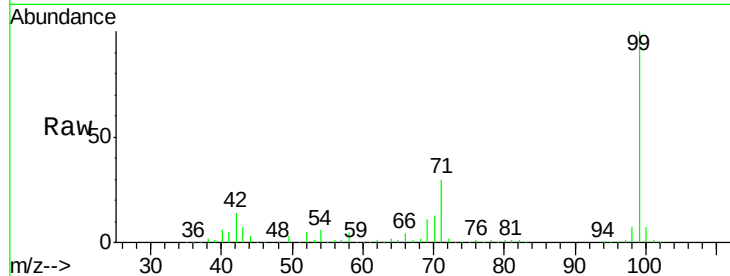
Tot Ion: 99 Resp: 989033

Ion Ratio Lower Upper

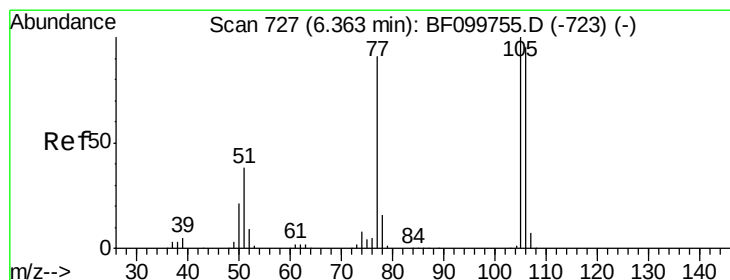
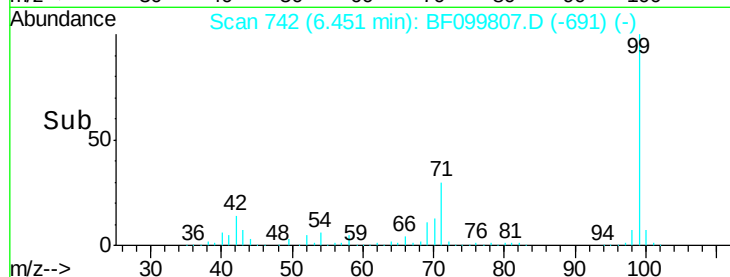
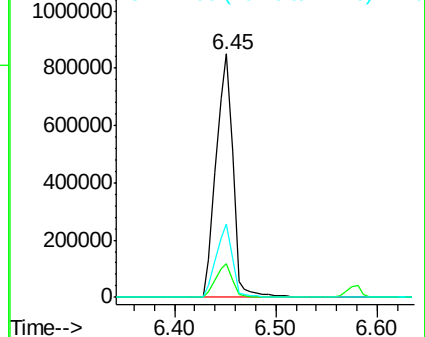
99 100

42 13.9 14.5 21.7#

71 30.4 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: 3.06 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.22 min

Lab File: BF099807.D

Acq: 25 Oct 2017 00:11

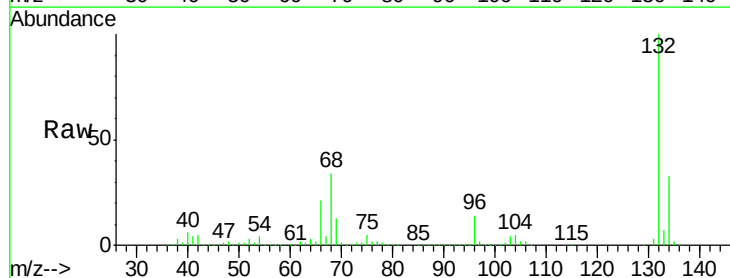
Tgt Ion: 77 Resp: 15117

Ion Ratio Lower Upper

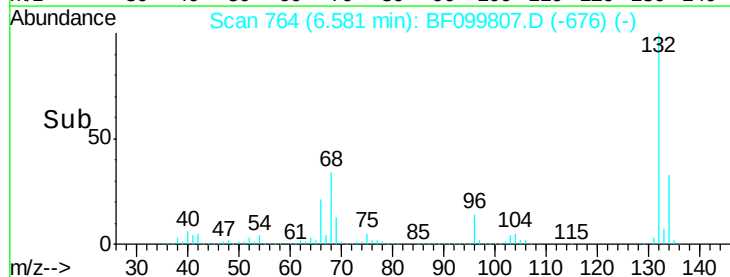
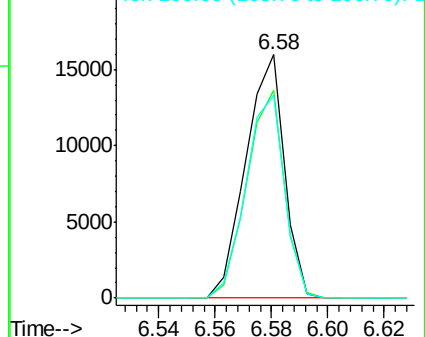
77 100

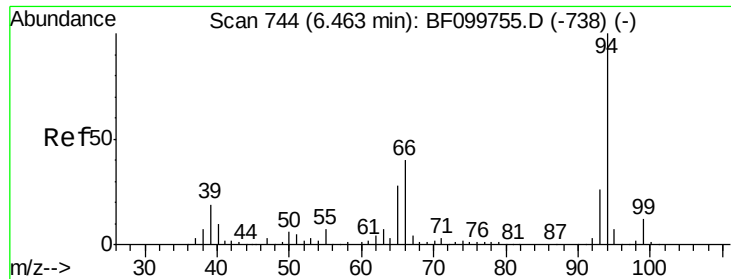
105 85.4 81.1 121.1

106 83.1 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

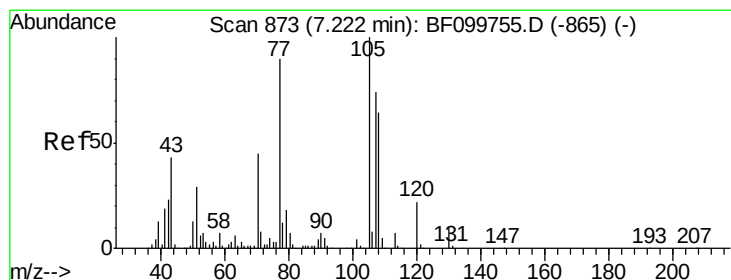
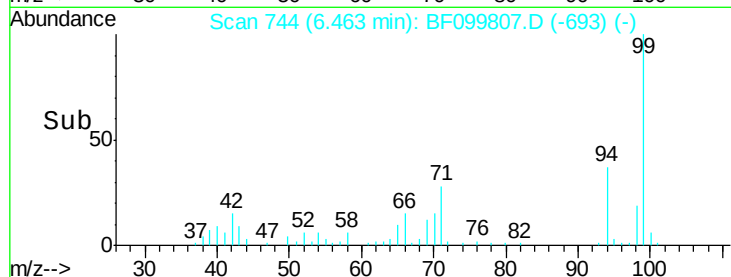
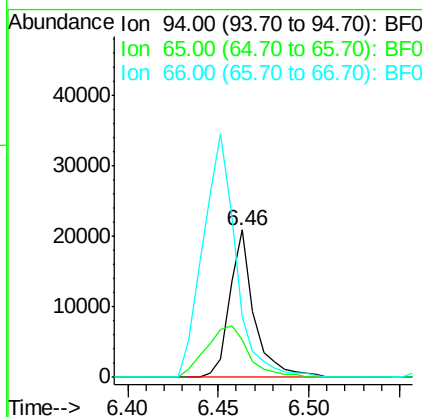
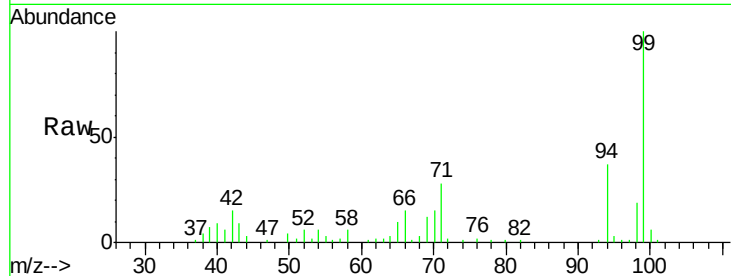




#10
Phenol
Concen: 2.17 ng
RT: 6.46 min Scan# 744
Delta R.T. -0.00 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

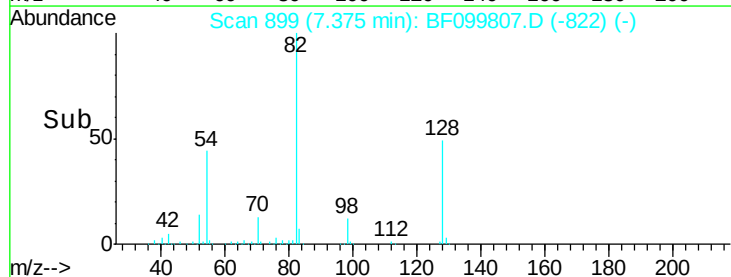
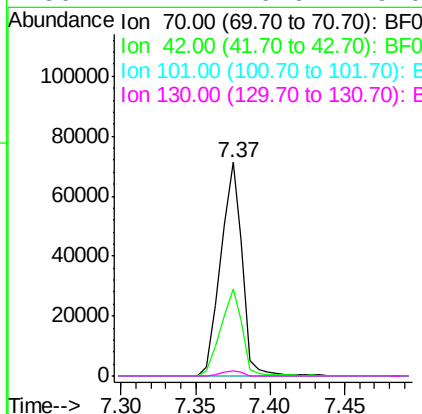
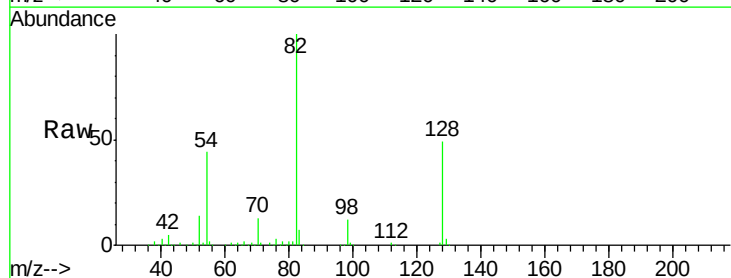
Instrument :
BNA_F
ClientSampled :

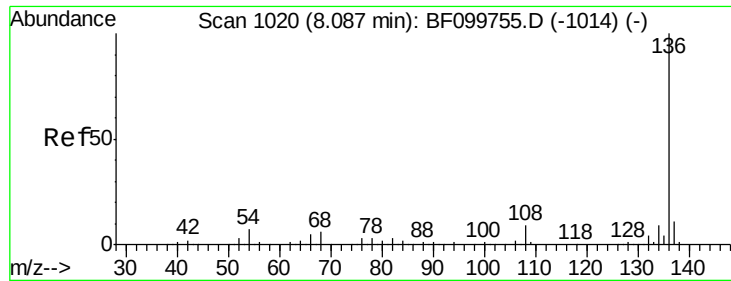
Tot Ion: 94 Resp: 19686
Ion Ratio Lower Upper
94 100
65 25.7 7.9 47.9
66 41.0 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.01 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

Tgt Ion: 70 Resp: 72726
Ion Ratio Lower Upper
70 100
42 41.0 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#

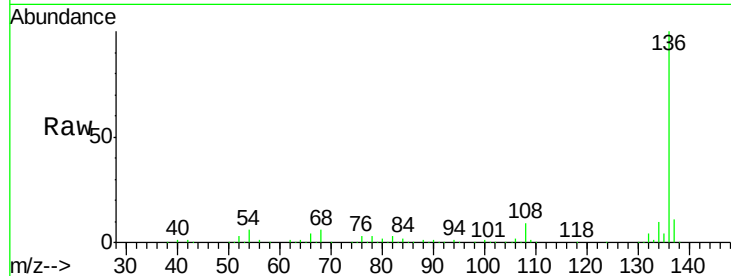




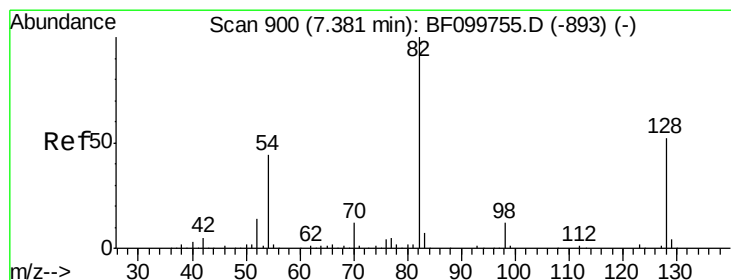
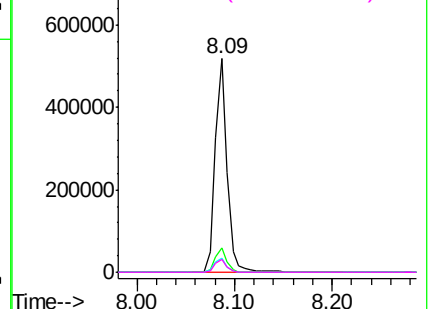
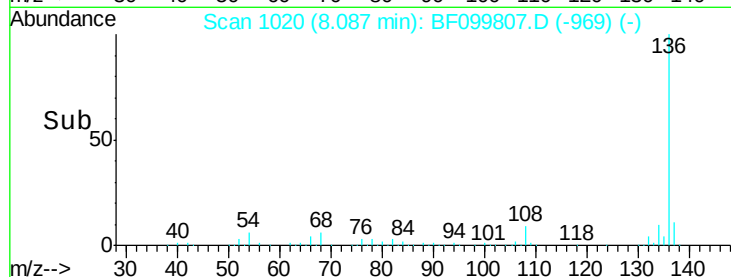
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	438104
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.4	6.6 9.8#
68	5.8	5.0 7.4

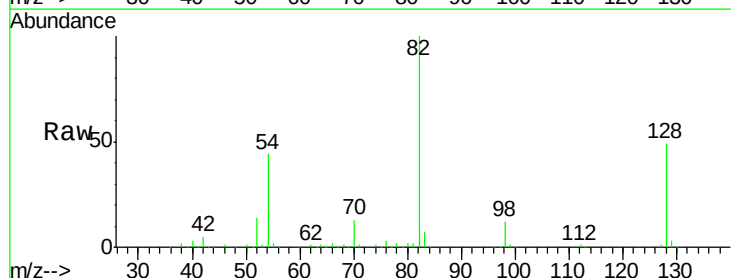


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

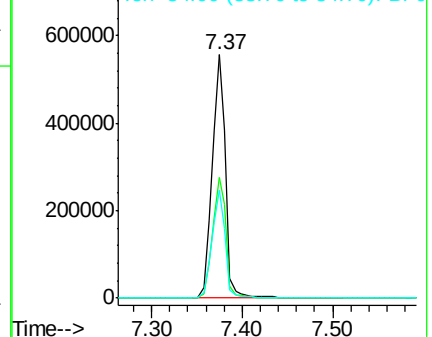
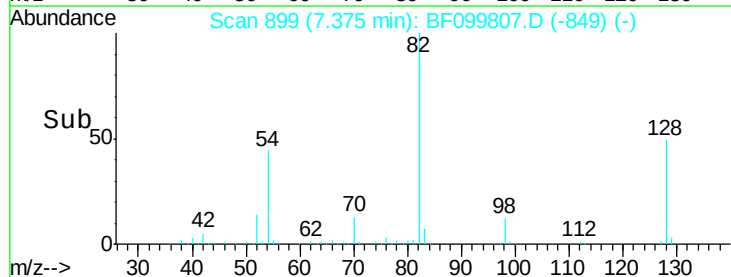


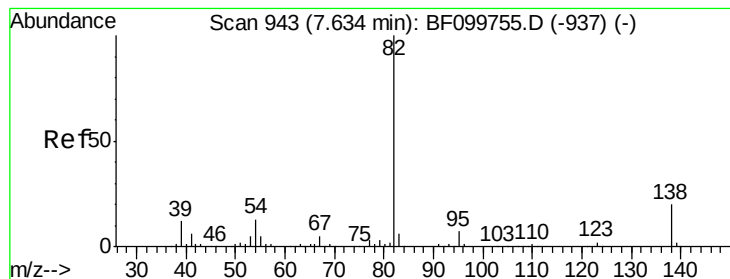
#23
Nitrobenzene-d5
Concen: 84.81 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

Tgt Ion: 82	Resp:	577115
Ion Ratio	Lower	Upper
82	100	
128	49.4	36.1 54.1
54	44.3	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: 46.74 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF099807.D

Acq: 25 Oct 2017 00:11

Instrument :

BNA_F

ClientSampleId :

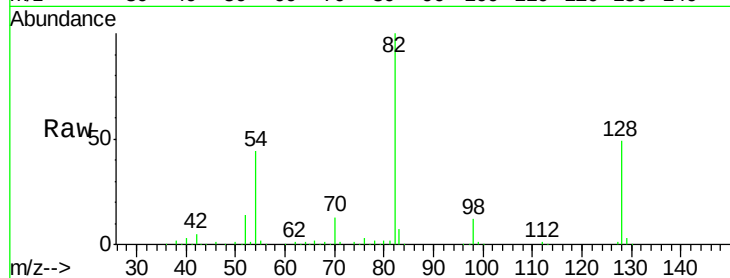
Tot Ion: 82 Resp: 577111

Ion Ratio Lower Upper

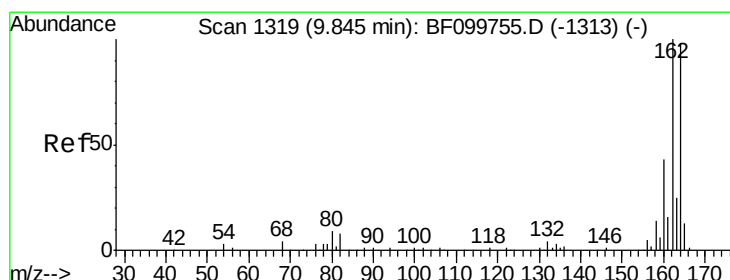
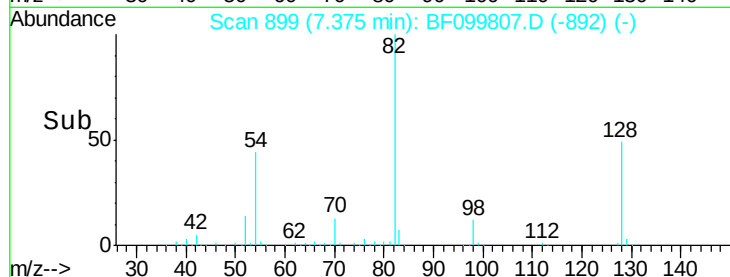
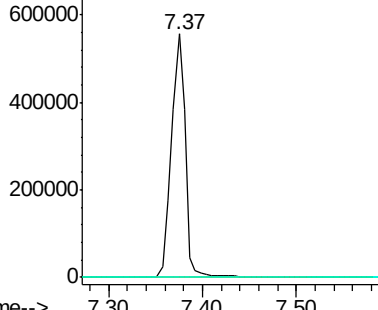
82 100

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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF099807.D

Acq: 25 Oct 2017 00:11

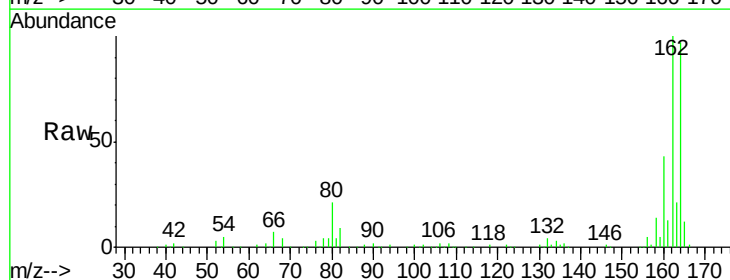
Tgt Ion:164 Resp: 188388

Ion Ratio Lower Upper

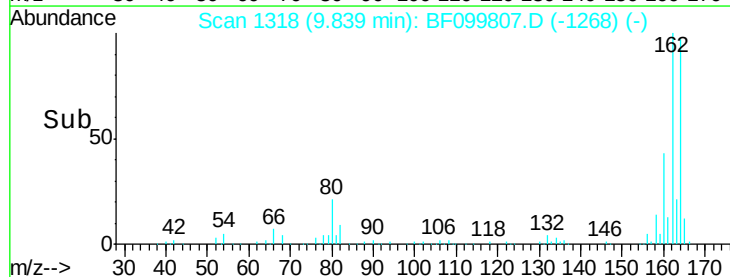
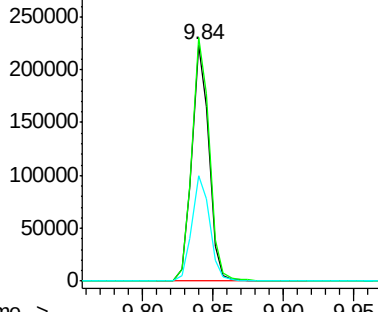
164 100

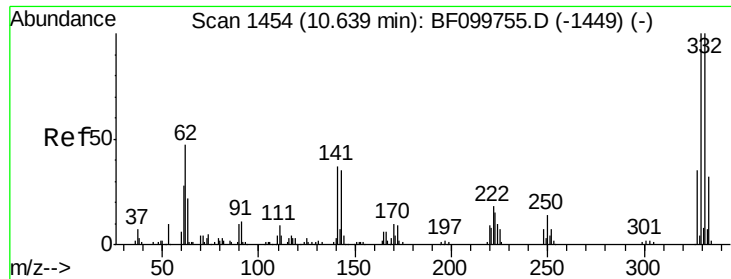
162 103.2 86.1 129.1

160 44.8 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

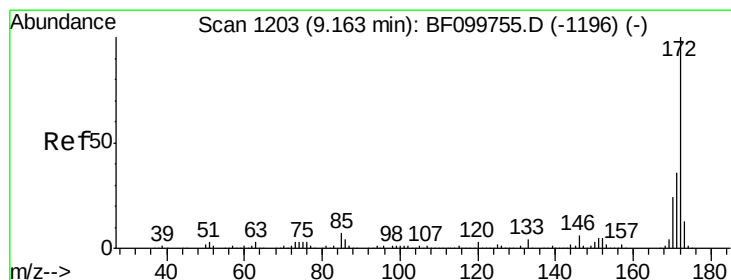
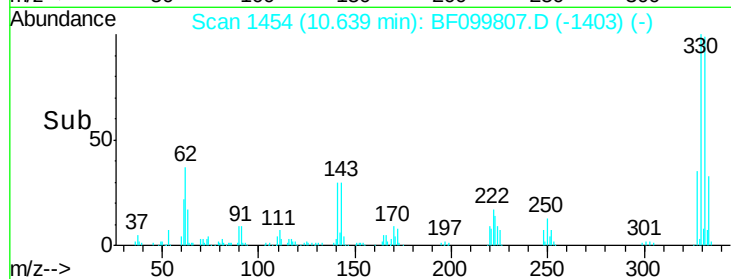
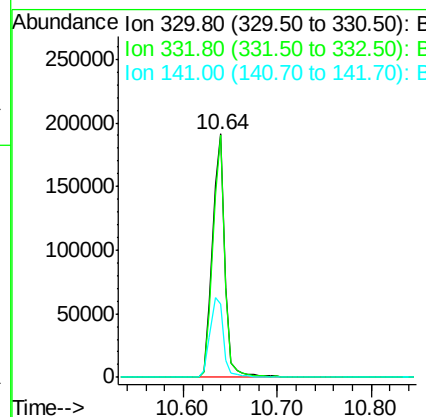
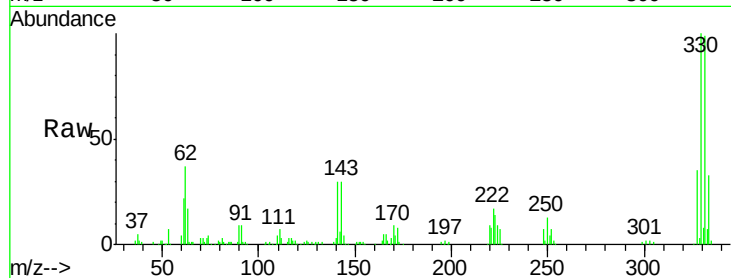




#41
 2,4,6-Tribromophenol
 Concen: 104.91 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF099807.D
 Acq: 25 Oct 2017 00:11

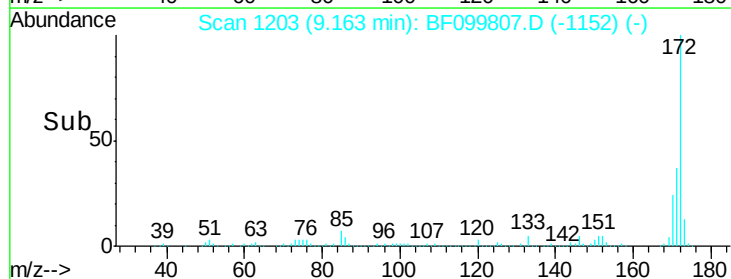
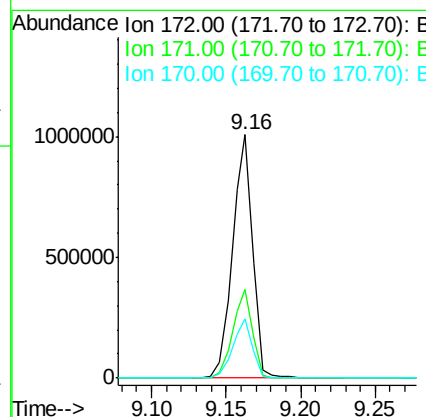
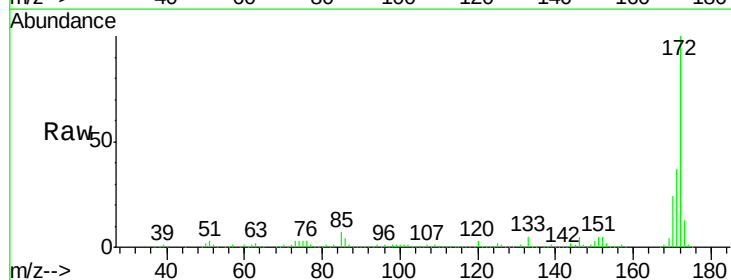
Instrument :
 BNA_F
 ClientSampled :

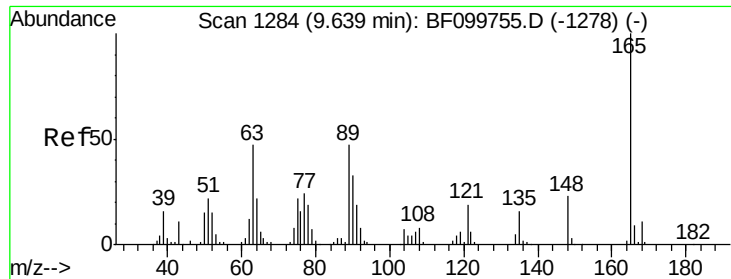
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	35.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 78.69 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099807.D
 Acq: 25 Oct 2017 00:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.1	19.6	29.4





#50

2,6-Dinitrotoluene

Concen: 7.52 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF099807.D

Acq: 25 Oct 2017 00:11

Instrument :

BNA_F

ClientSampleId :

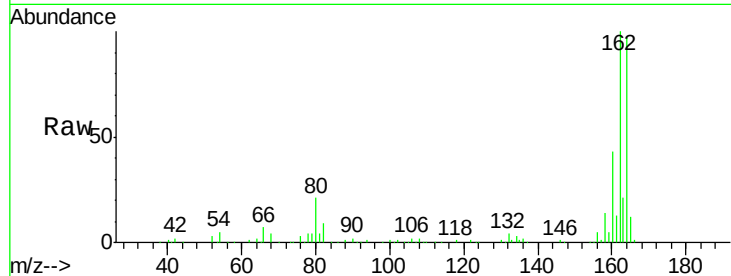
Tot Ion:165 Resp: 23596

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

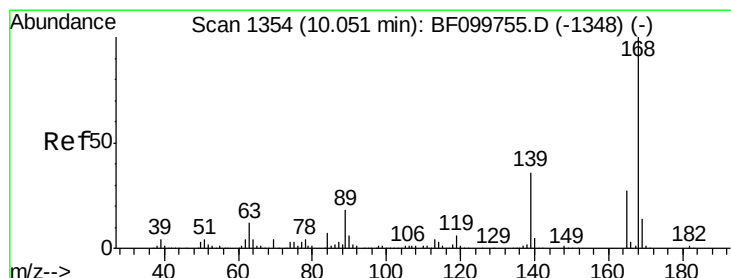
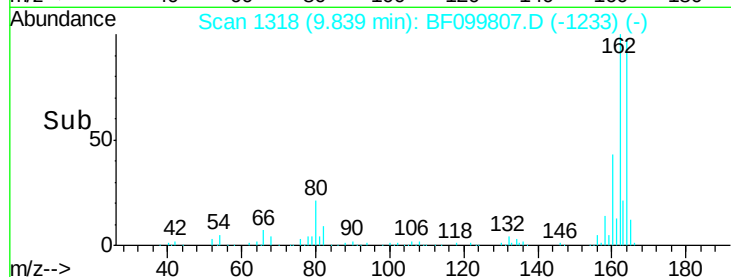
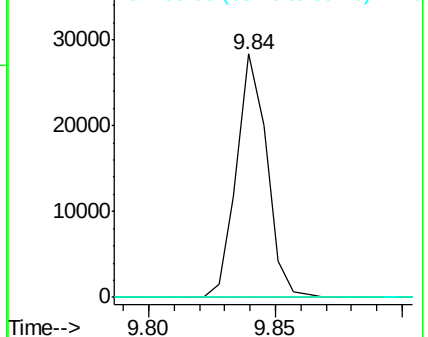
89 0.0 44.0 66.0#



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: 6.25 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF099807.D

Acq: 25 Oct 2017 00:11

Tgt Ion:165 Resp: 23596

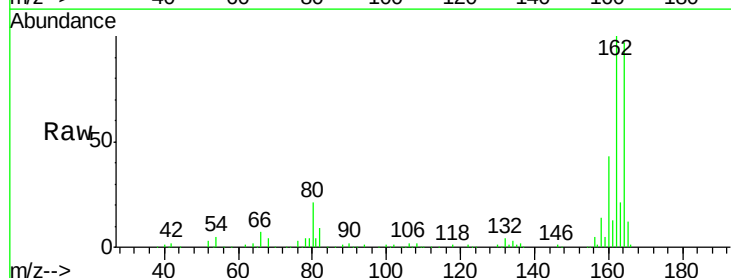
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

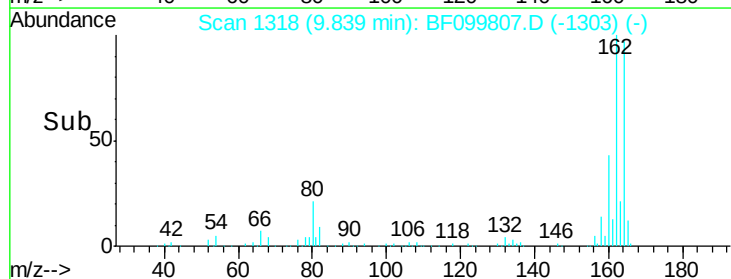
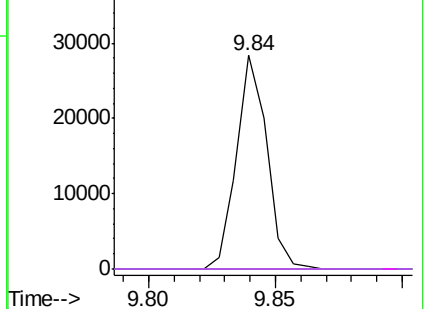


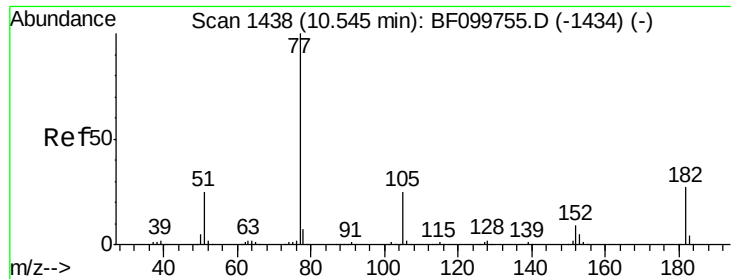
Abundance Ion 165.00 (164.70 to 165.70): E

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

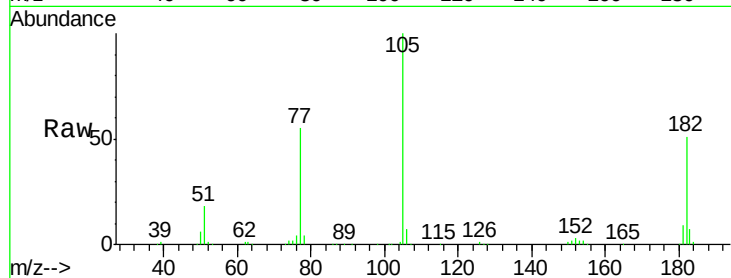




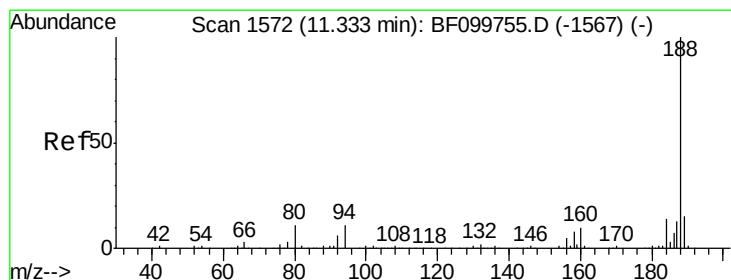
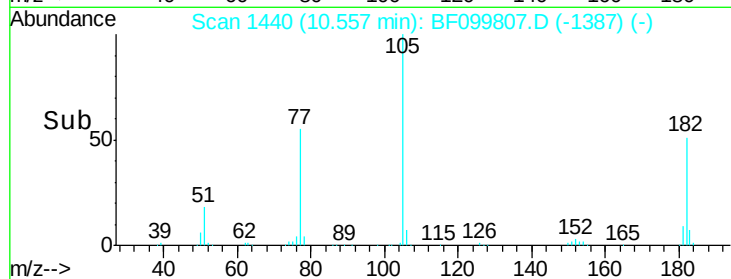
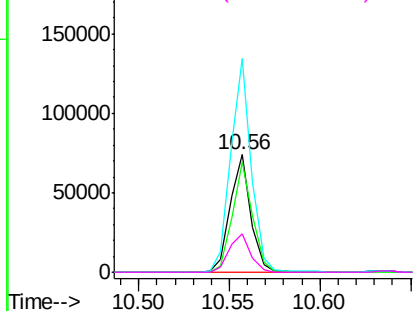
#62
Azobenzene
Concen: 4.82 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 77 Resp: 58891
Ion Ratio Lower Upper
77 100
182 93.5 1.7 41.7#
105 182.2 3.0 43.0#
51 32.5 9.9 49.9

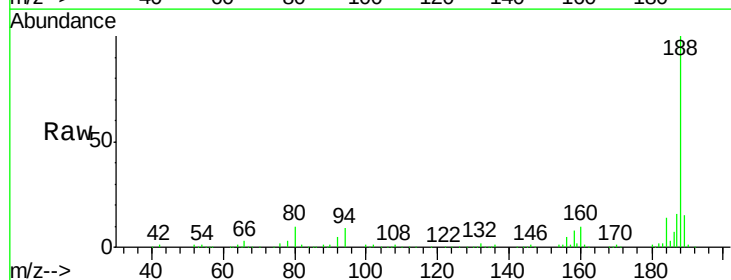


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

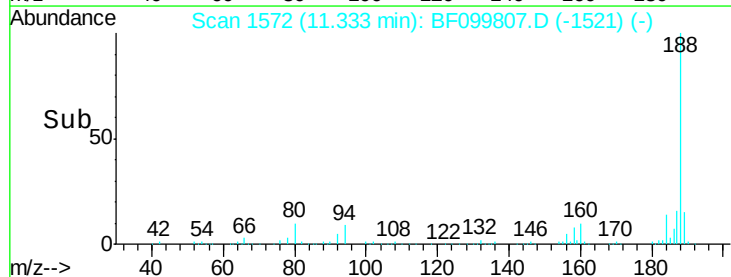
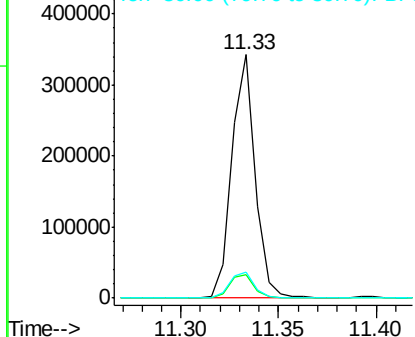


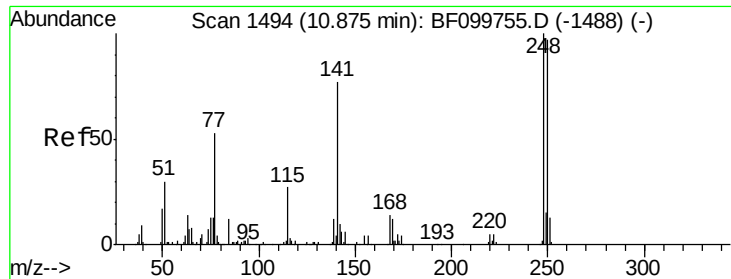
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099807.D
Acq: 25 Oct 2017 00:11

Tgt Ion: 188 Resp: 283761
Ion Ratio Lower Upper
188 100
94 9.5 8.5 12.7
80 10.5 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

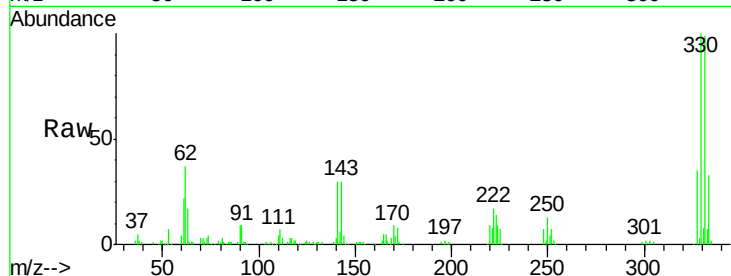




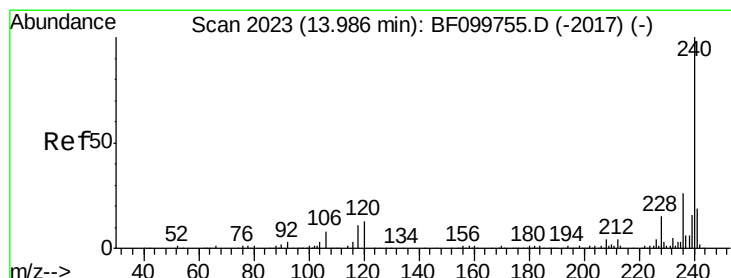
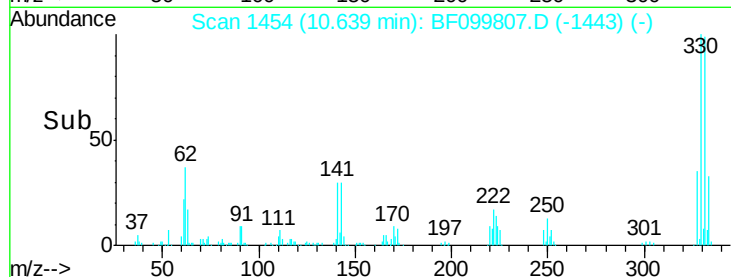
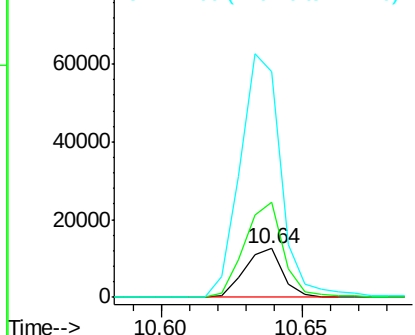
#66
 4-Bromophenyl-phenylether
 Concen: 3.93 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF099807.D
 Acq: 25 Oct 2017 00:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11752
 Ion Ratio Lower Upper
 248 100
 250 195.8 76.9 115.3#
 141 461.2 74.4 111.6#

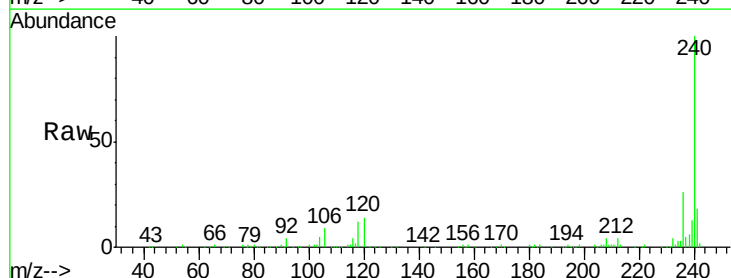


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

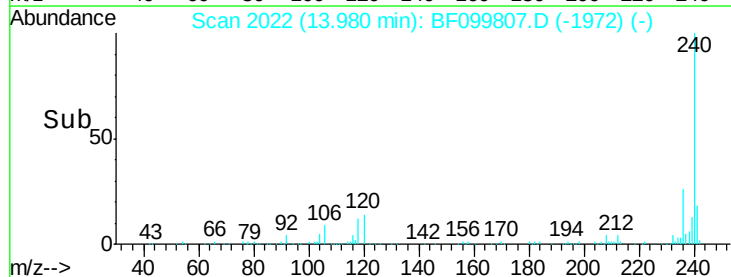
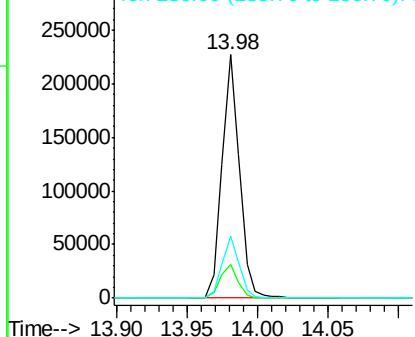


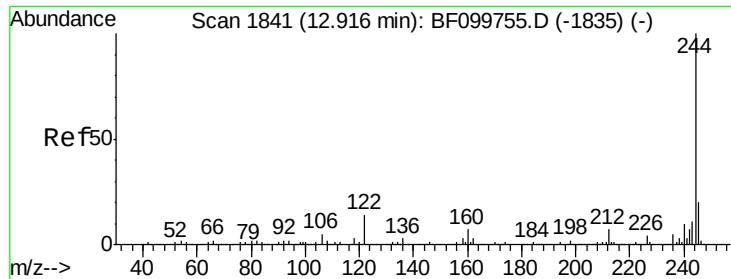
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099807.D
 Acq: 25 Oct 2017 00:11

Tgt Ion:240 Resp: 196182
 Ion Ratio Lower Upper
 240 100
 120 13.9 9.5 14.3
 236 25.6 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

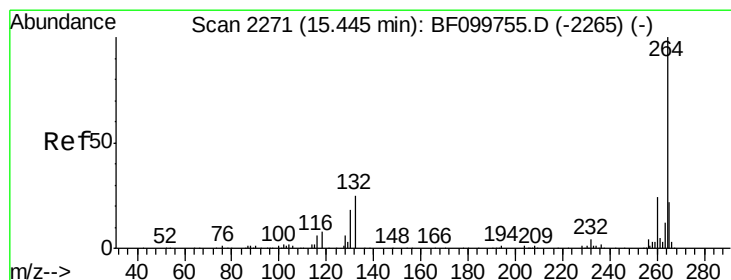
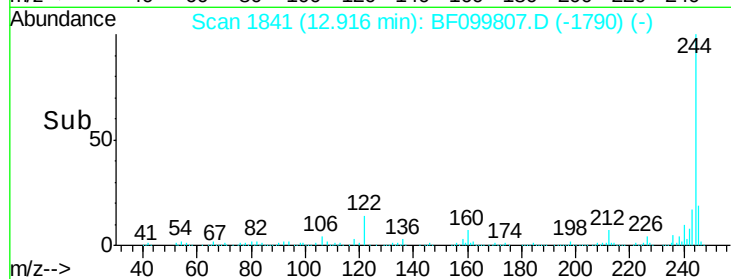
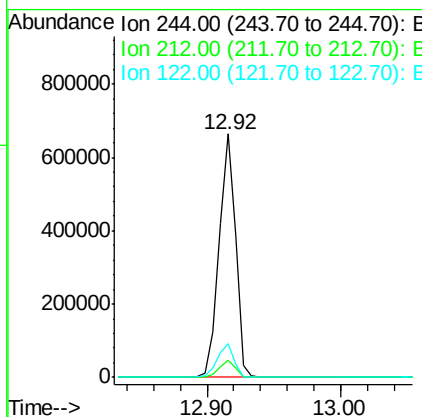
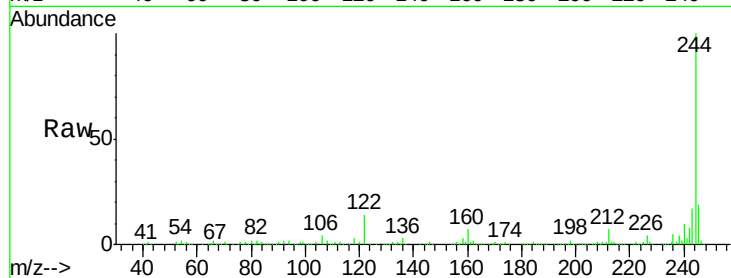




#78
 Terphenyl-d14
 Concen: 65.05 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099807.D
 Acq: 25 Oct 2017 00:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 583929
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF099807.D
 Acq: 25 Oct 2017 00:11

Tgt Ion:264 Resp: 195906
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 20.5 17.5 26.3

