

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099800.D
 Acq On : 24 Oct 2017 20:53
 Operator : SJ/JU
 Sample : I5956-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 07:39:13 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

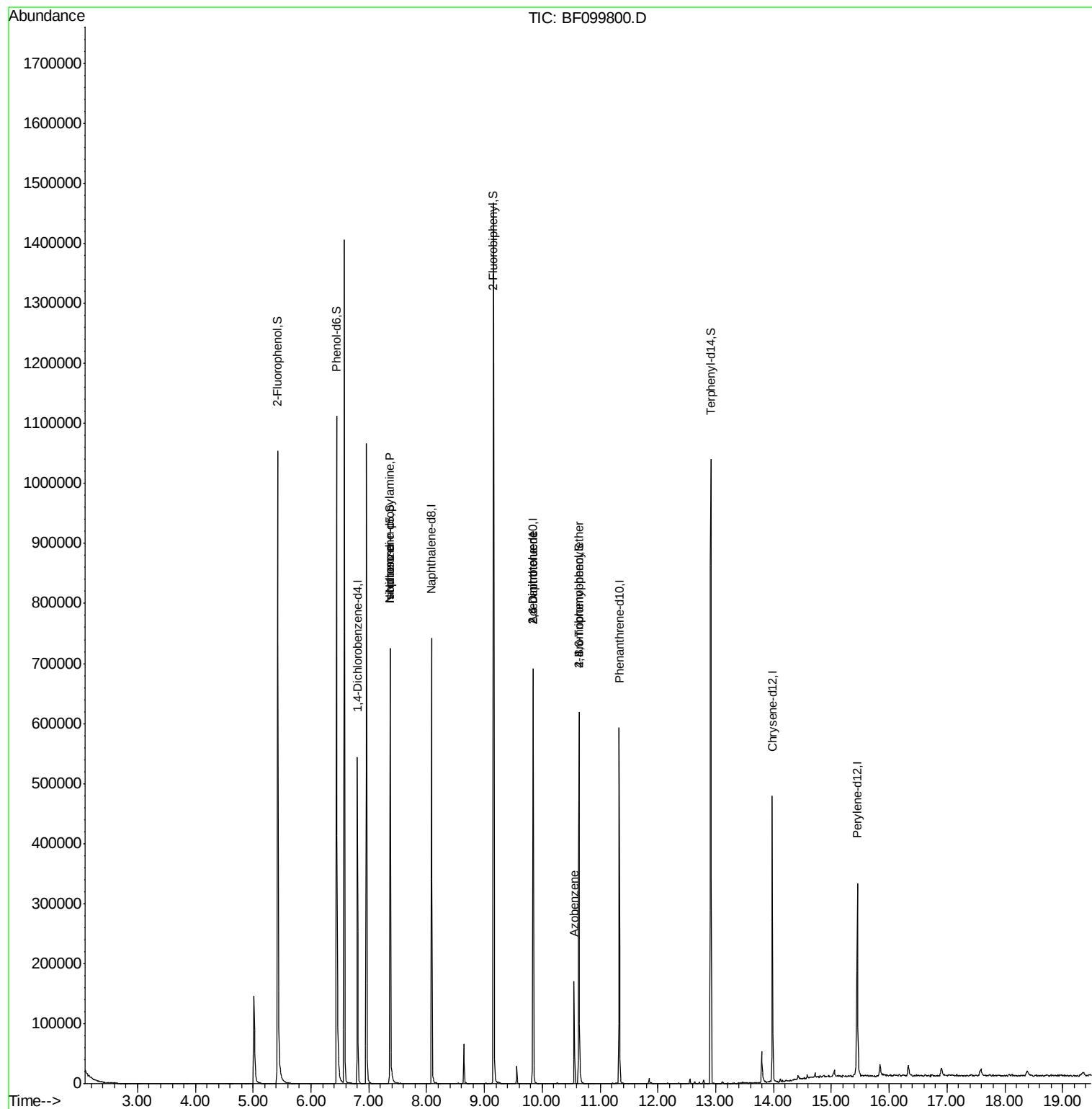
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	85861	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	336673	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	143100	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	210038	20.00	ng	0.00
75) Chrysene-d12	13.98	240	153720	20.00	ng	0.00
86) Perylene-d12	15.45	264	154467	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	368216	67.33	ng	0.00
7) Phenol-d6	6.45	99	435269	67.12	ng	0.00
23) Nitrobenzene-d5	7.37	82	246352	47.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	71914	55.14	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	513596	55.37	ng	0.00
78) Terphenyl-d14	12.92	244	326502	46.42	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	30726	8.09	ng	# 71
25) Isophorone	7.37	82	246351	25.96	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	18179	7.63	ng	# 24
56) 2,4-Dinitrotoluene	9.84	165	18179	6.34	ng	# 21
62) Azobenzene	10.55	77	31396	3.38	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	4624	2.09	ng	# 1

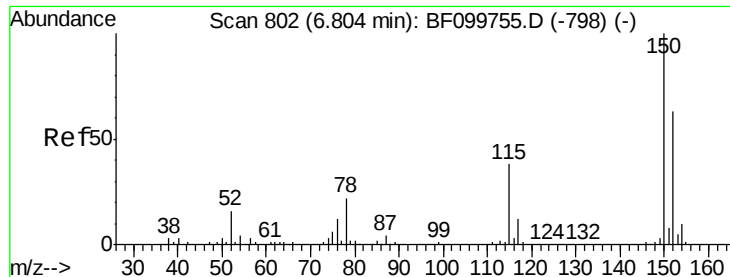
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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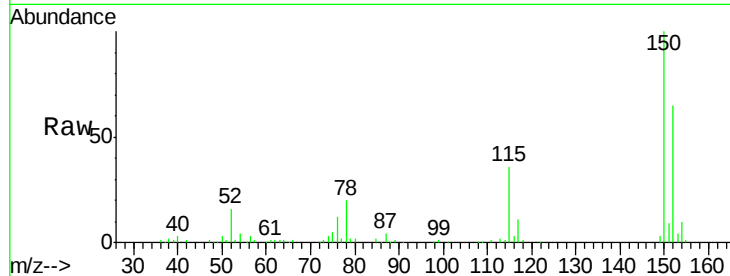


#1

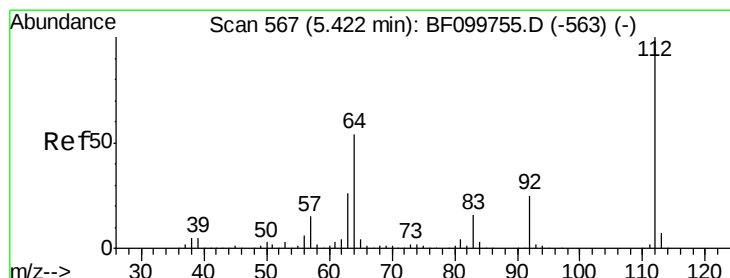
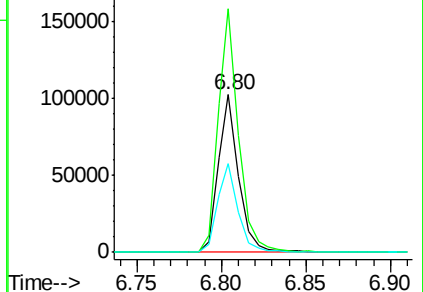
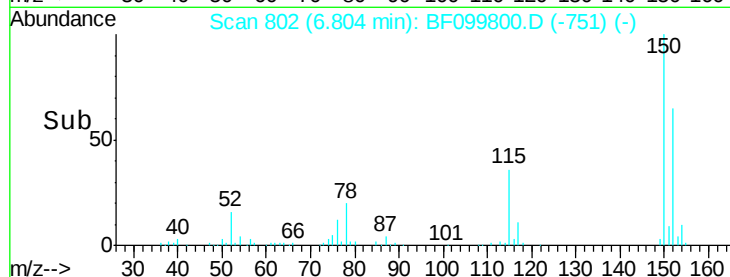
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099800.D
Acq: 24 Oct 2017 20:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85861
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 56.4 50.1 75.1



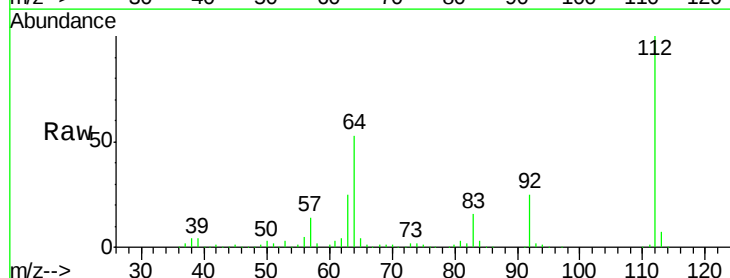
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



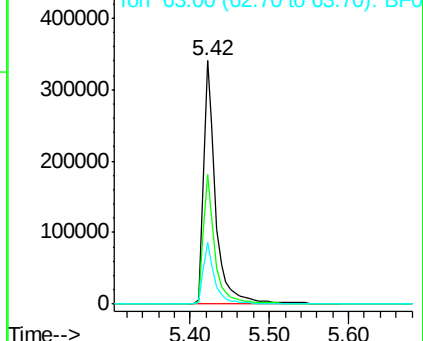
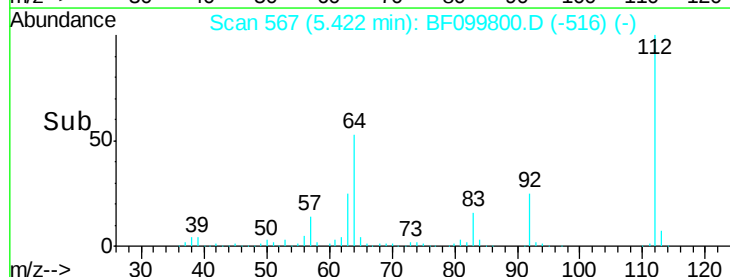
#5

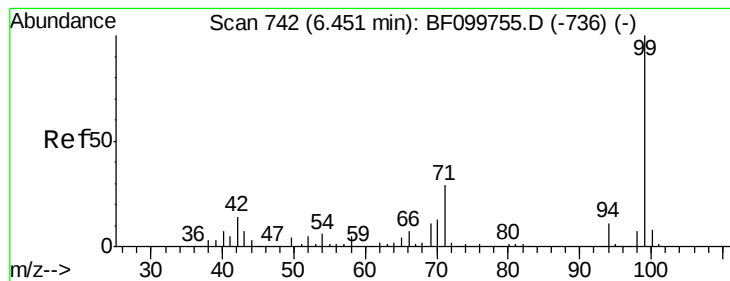
2-Fluorophenol
Concen: 67.33 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF099800.D
Acq: 24 Oct 2017 20:53

Tgt Ion:112 Resp: 368216
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 25.4 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: 67.12 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

Instrument :

BNA_F

ClientSampled :

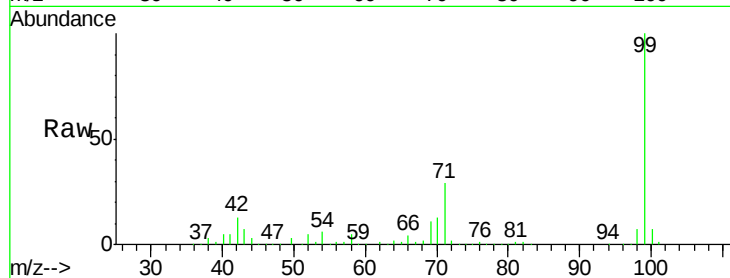
Tot Ion: 99 Resp: 435269

Ion Ratio Lower Upper

99 100

42 13.2 14.5 21.7#

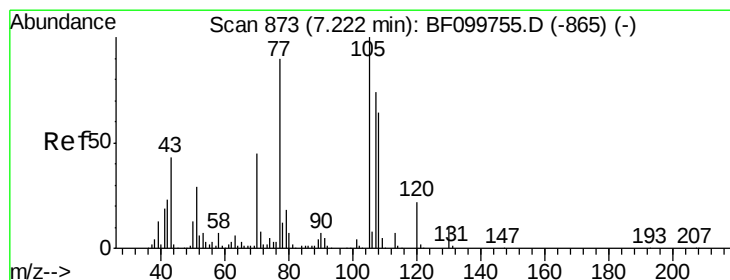
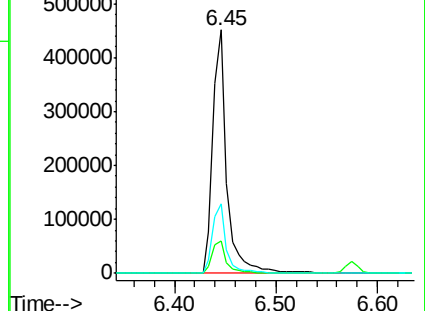
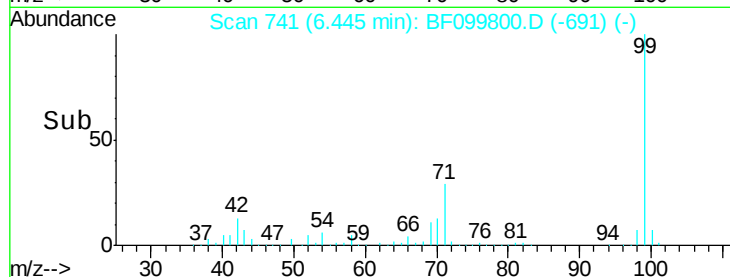
71 28.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.09 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

Tgt Ion: 70 Resp: 30726

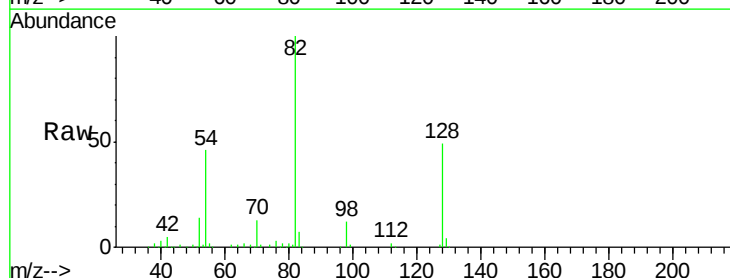
Ion Ratio Lower Upper

70 100

42 39.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

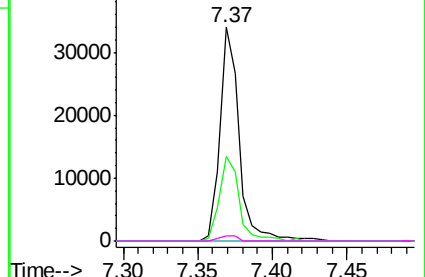
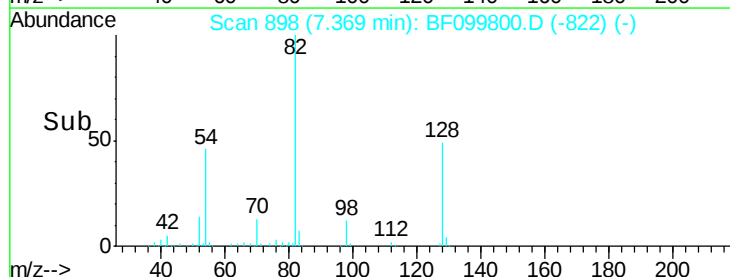


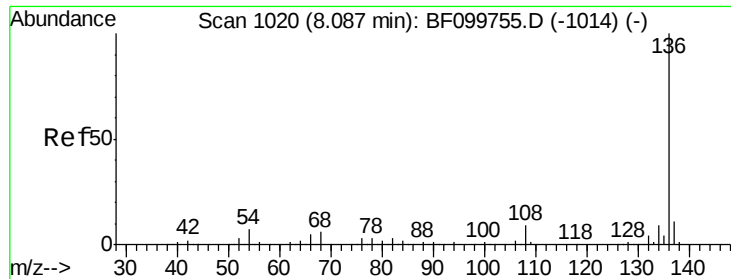
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

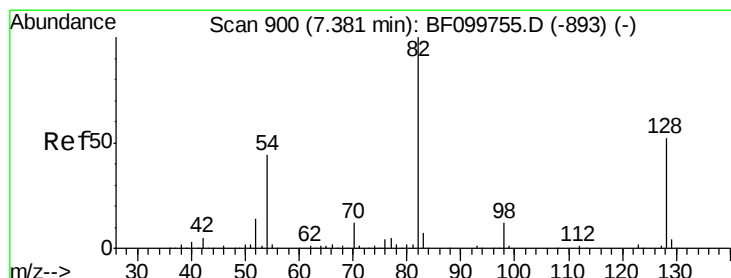
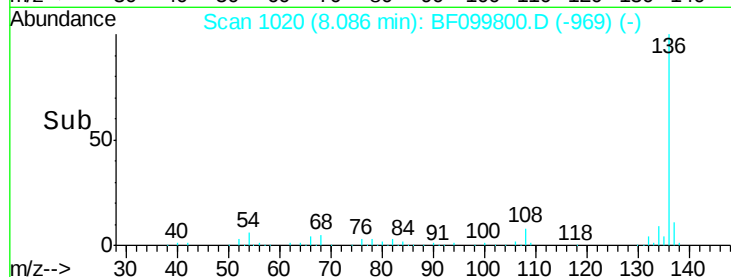
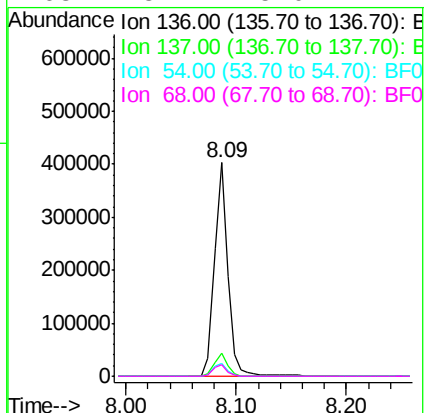
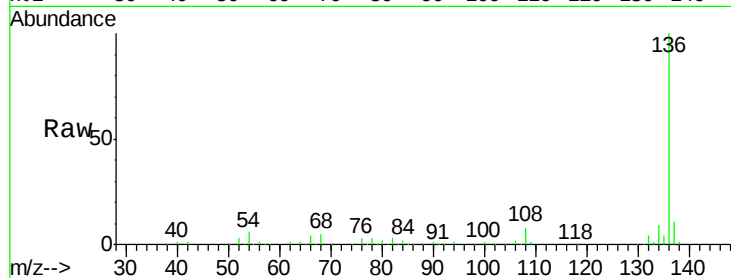




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF099800.D
Acq: 24 Oct 2017 20:53

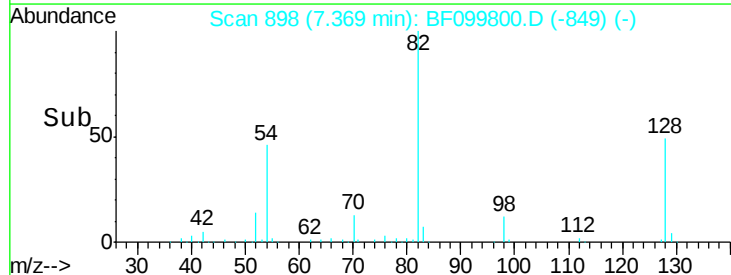
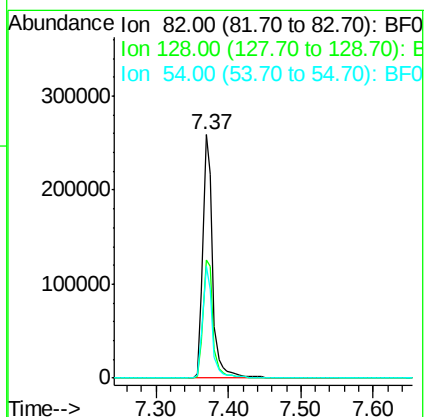
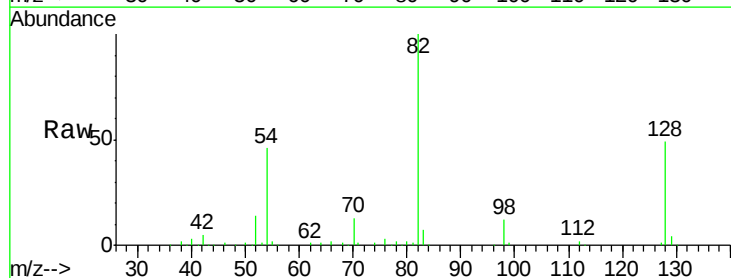
Instrument :
BNA_F
ClientSampled :

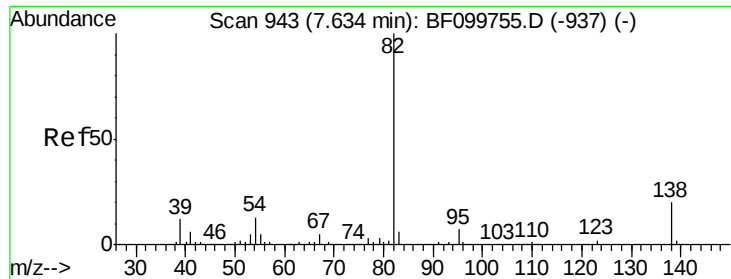
Tot Ion:136	Resp:	336673
Ion	Ratio	Lower Upper
136	100	
137	10.5	8.9 13.3
54	6.1	6.6 9.8#
68	5.4	5.0 7.4



#23
Nitrobenzene-d5
Concen: 47.11 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF099800.D
Acq: 24 Oct 2017 20:53

Tgt Ion: 82	Resp:	246352
Ion	Ratio	Lower Upper
82	100	
128	48.7	36.1 54.1
54	45.9	41.4 62.2





#25

Isophorone

Concen: 25.96 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

Instrument :

BNA_F

ClientSampleId :

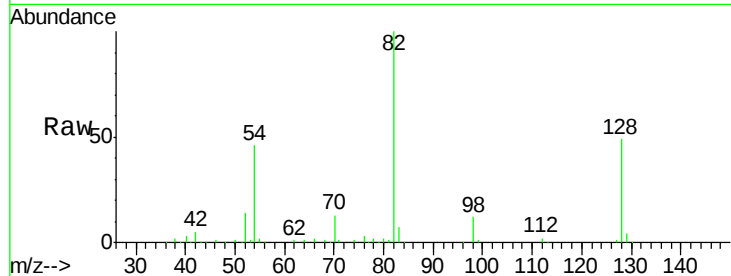
Tot Ion: 82 Resp: 246351

Ion Ratio Lower Upper

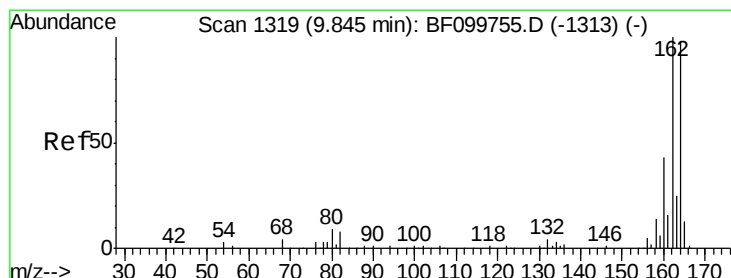
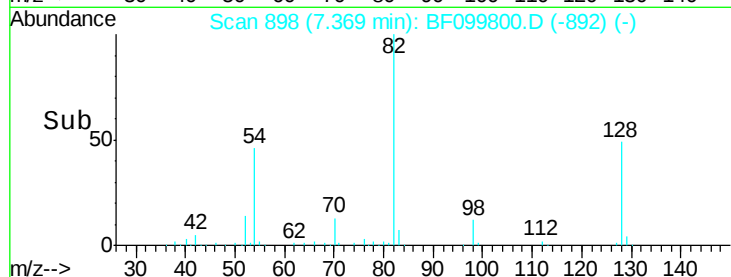
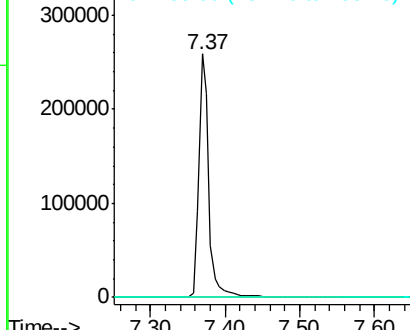
82 100

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: BF099800.D

Acq: 24 Oct 2017 20:53

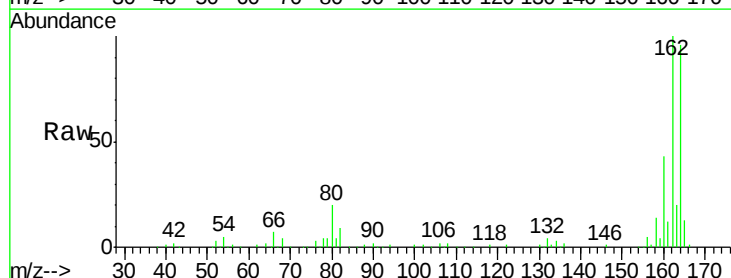
Tgt Ion: 164 Resp: 143100

Ion Ratio Lower Upper

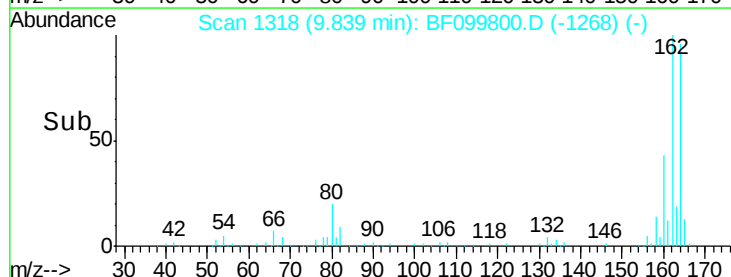
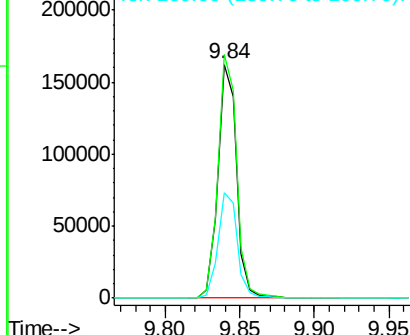
164 100

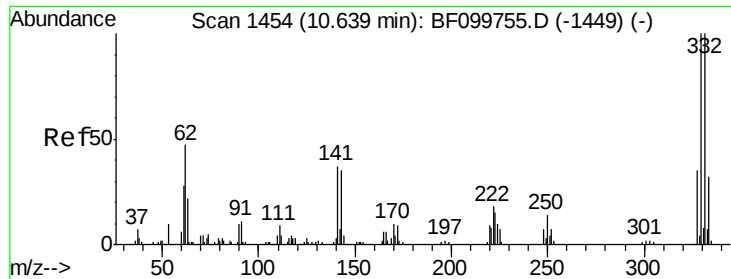
162 104.3 86.1 129.1

160 45.3 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

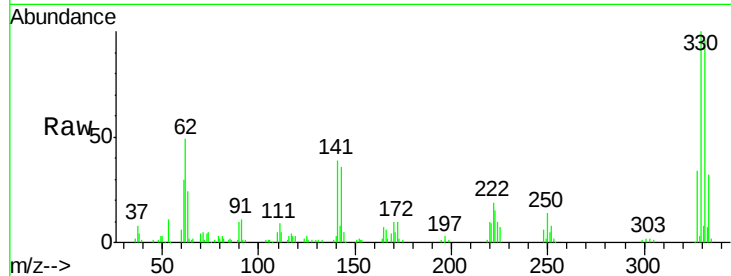




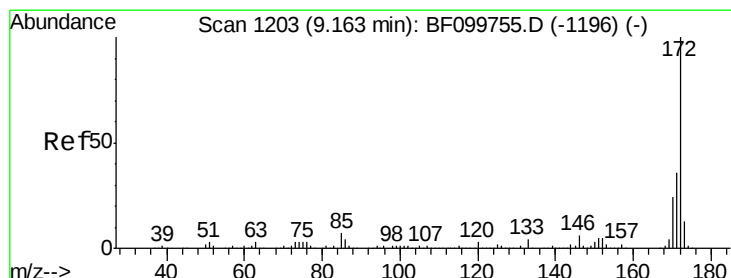
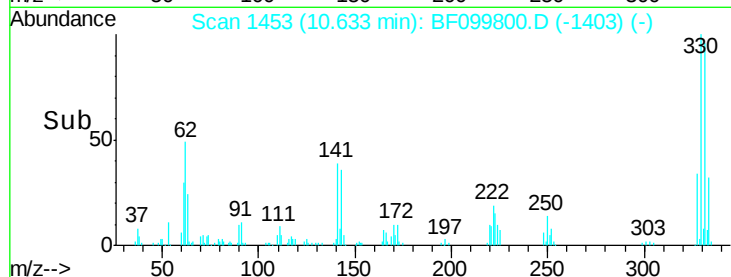
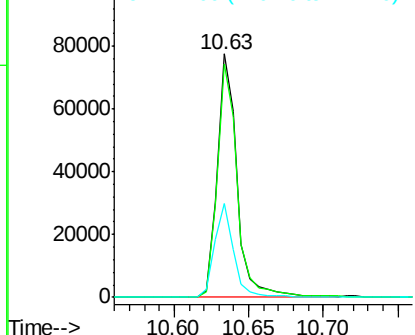
#41
 2,4,6-Tribromophenol
 Concen: 55.14 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099800.D
 Acq: 24 Oct 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	37.0	29.9	44.9

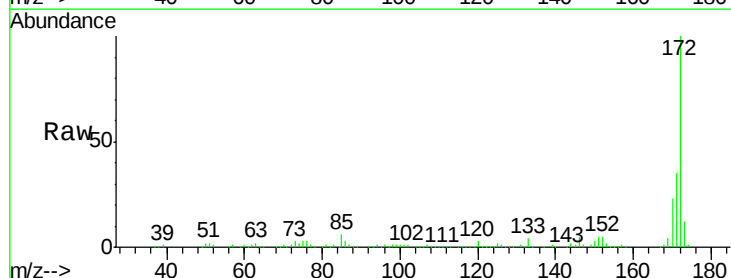


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

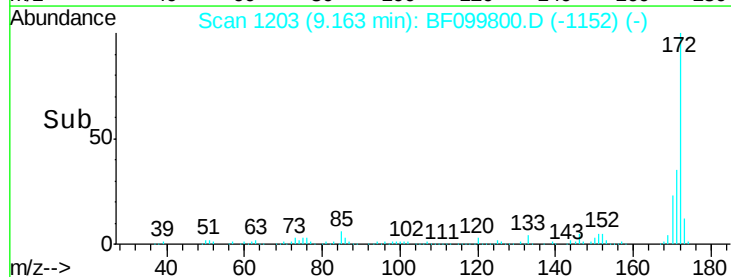
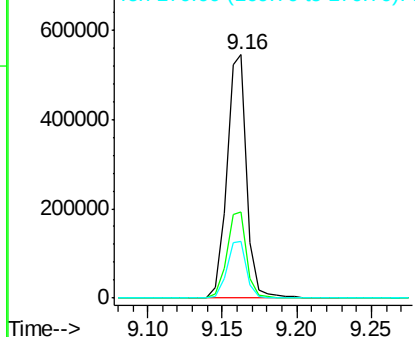


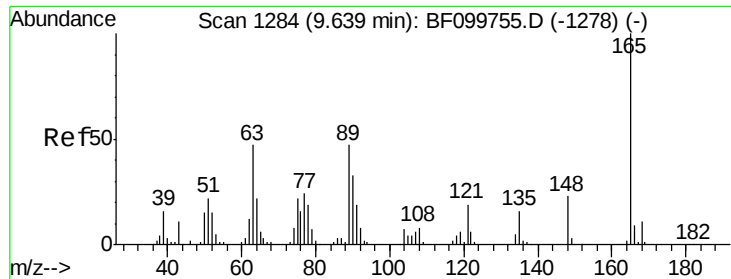
#44
 2-Fluorobiphenyl
 Concen: 55.37 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099800.D
 Acq: 24 Oct 2017 20:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.1	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

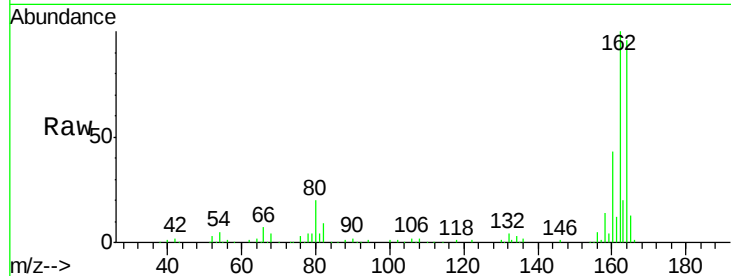




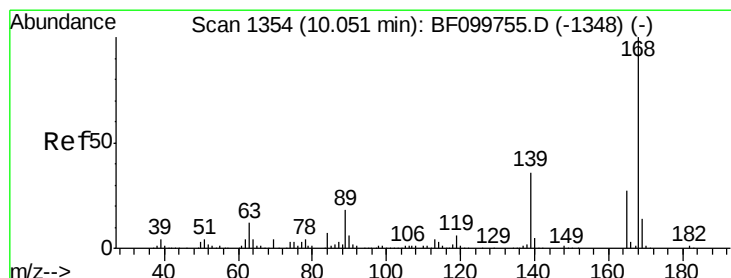
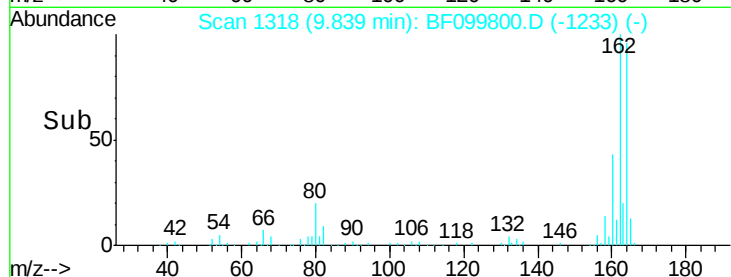
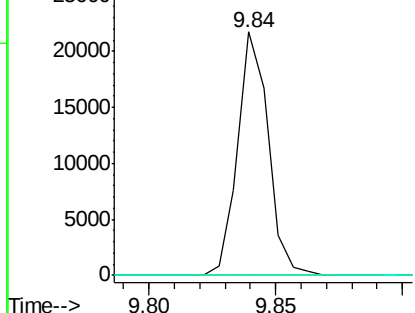
#50
 2,6-Dinitrotoluene
 Concen: 7.63 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF099800.D
 Acq: 24 Oct 2017 20:53

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#

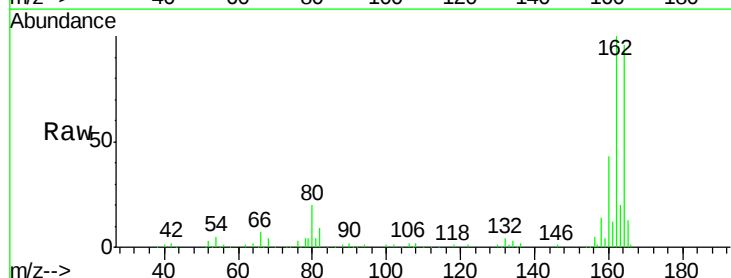


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

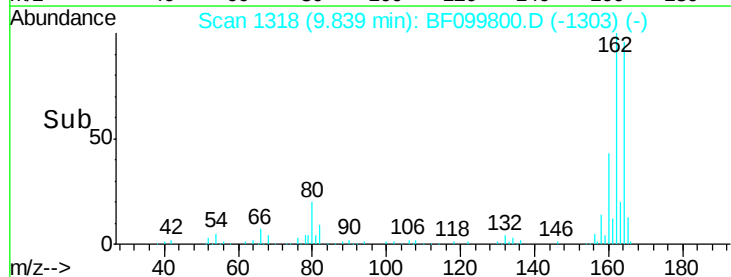
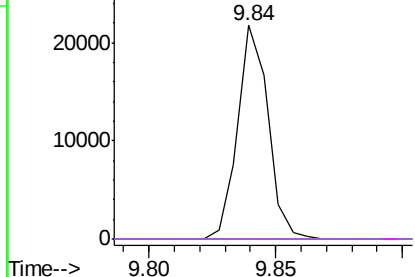


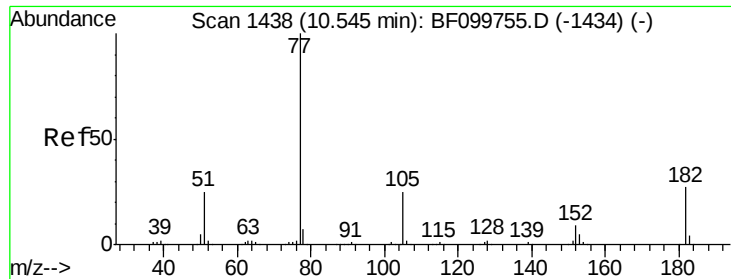
#56
 2,4-Dinitrotoluene
 Concen: 6.34 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF099800.D
 Acq: 24 Oct 2017 20:53

Tgt 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: 3.38 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF099800.D

Acq: 24 Oct 2017 20:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 31396

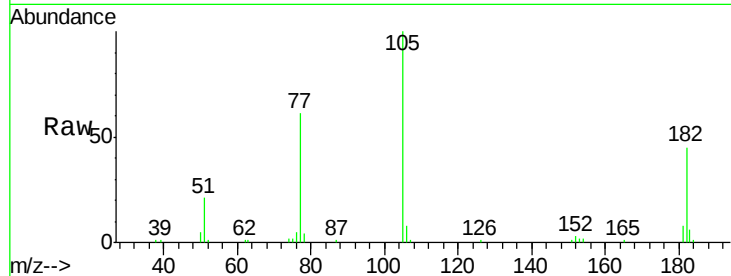
Ion Ratio Lower Upper

77 100

182 74.8 1.7 41.7#

105 164.9 3.0 43.0#

51 34.9 9.9 49.9

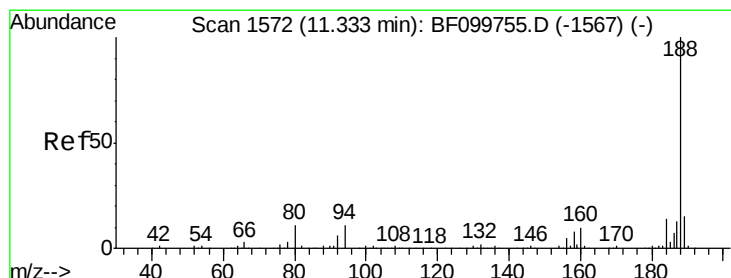
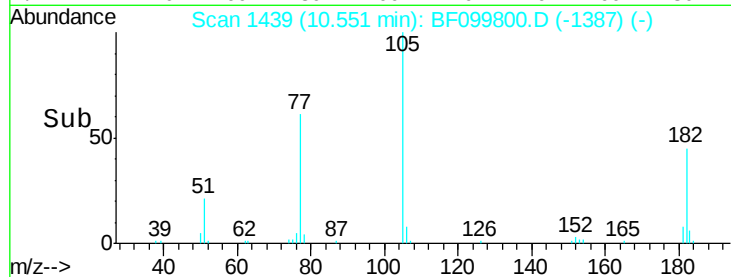
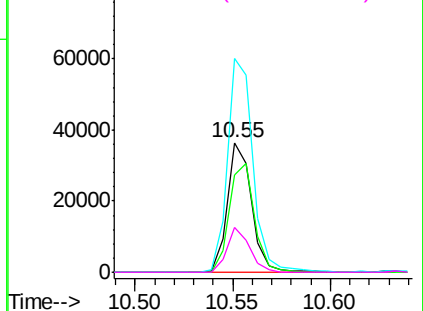


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: BF099800.D

Acq: 24 Oct 2017 20:53

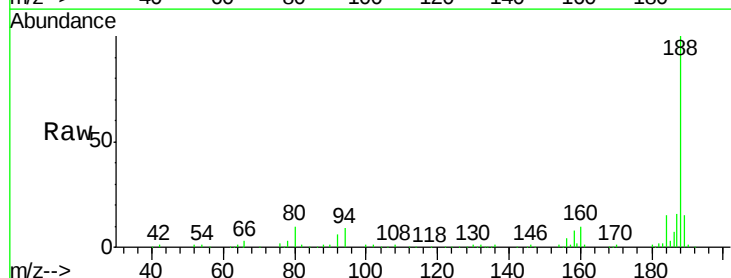
Tgt Ion: 188 Resp: 210038

Ion Ratio Lower Upper

188 100

94 9.0 8.5 12.7

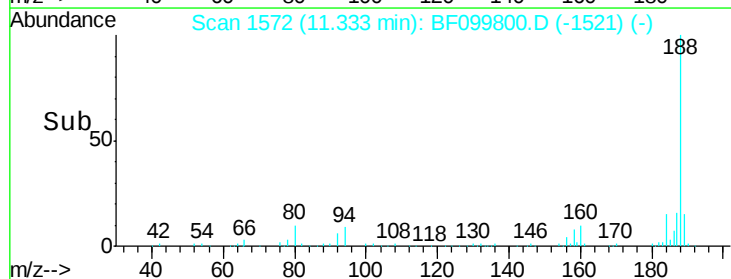
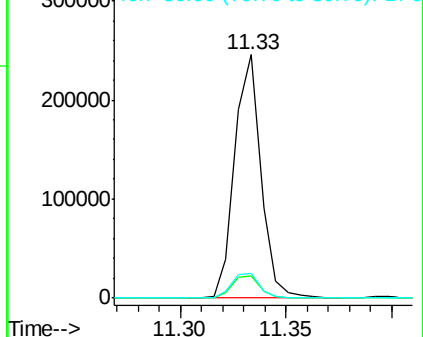
80 10.0 9.2 13.8

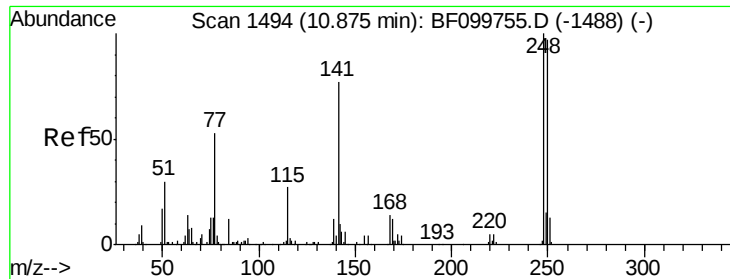


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

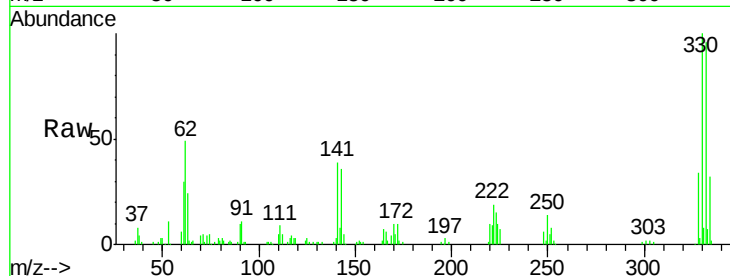




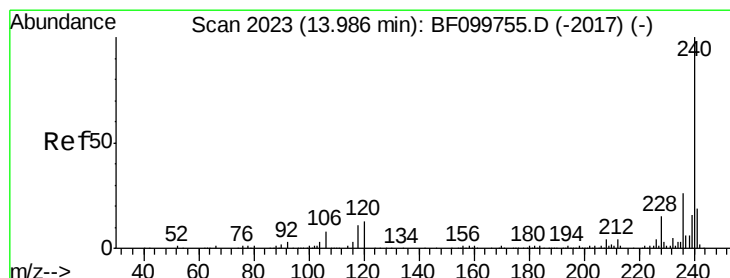
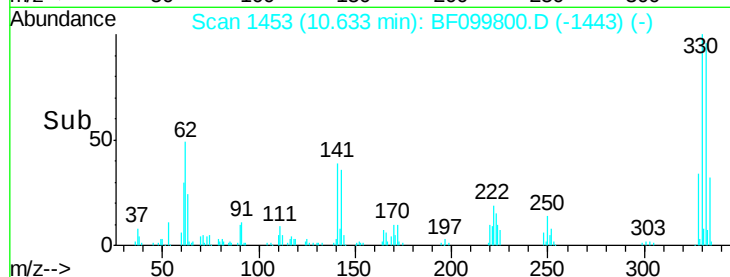
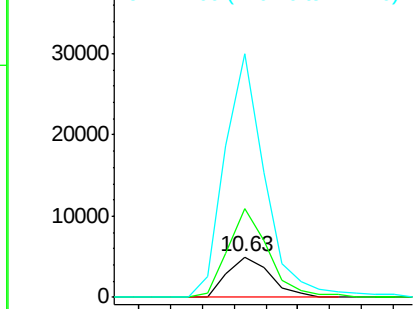
#66
4-Bromophenyl-phenylether
Concen: 2.09 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099800.D
Acq: 24 Oct 2017 20:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 4624
Ion Ratio Lower Upper
248 100
250 221.1 76.9 115.3#
141 604.4 74.4 111.6#

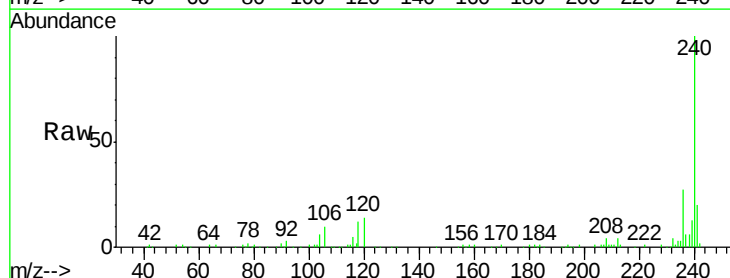


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

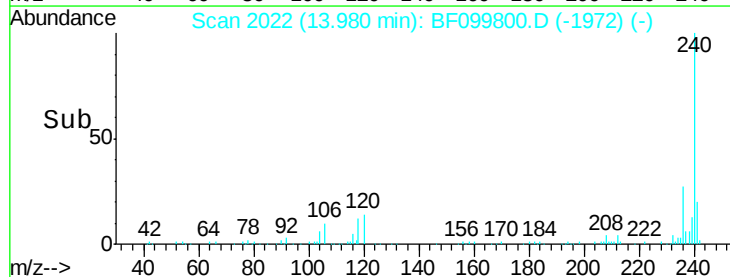
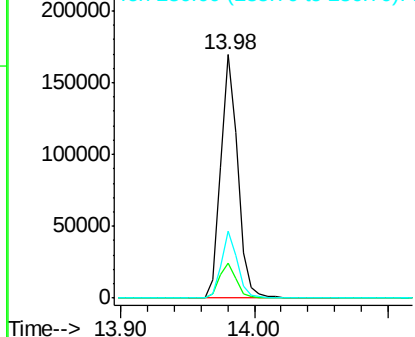


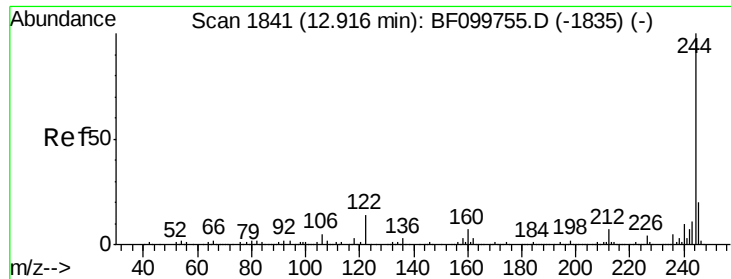
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099800.D
Acq: 24 Oct 2017 20:53

Tgt Ion:240 Resp: 153720
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3#
236 27.3 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

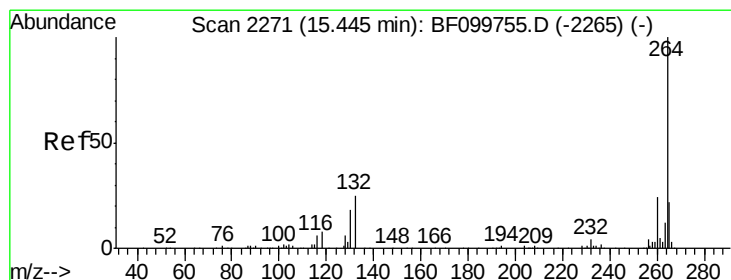
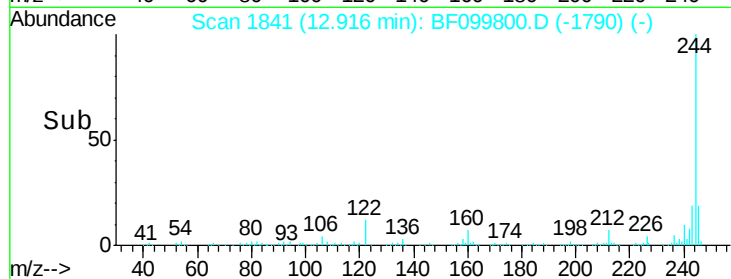
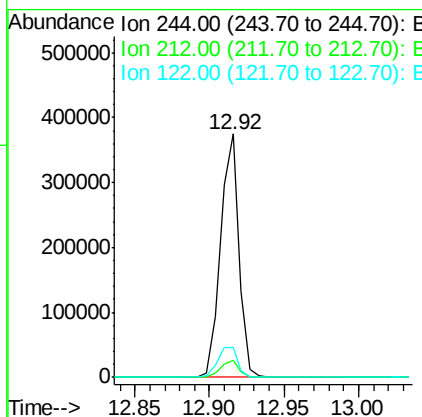
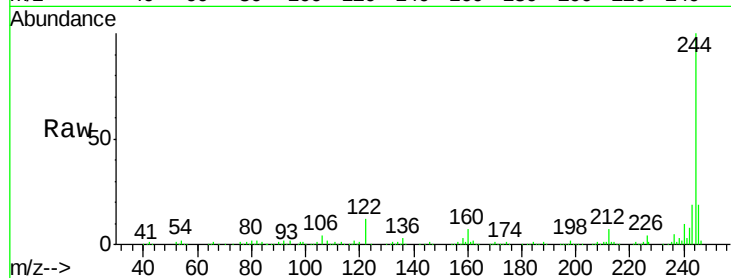




#78
 Terphenyl-d14
 Concen: 46.42 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BF099800.D
 Acq: 24 Oct 2017 20:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 326502
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 12.4 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: BF099800.D
 Acq: 24 Oct 2017 20:53

Tgt Ion:264 Resp: 154467
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.4 17.5 26.3

