

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099848.D
 Acq On : 26 Oct 2017 8:26
 Operator : SJ/JU
 Sample : I6057-07
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 26 11:17:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

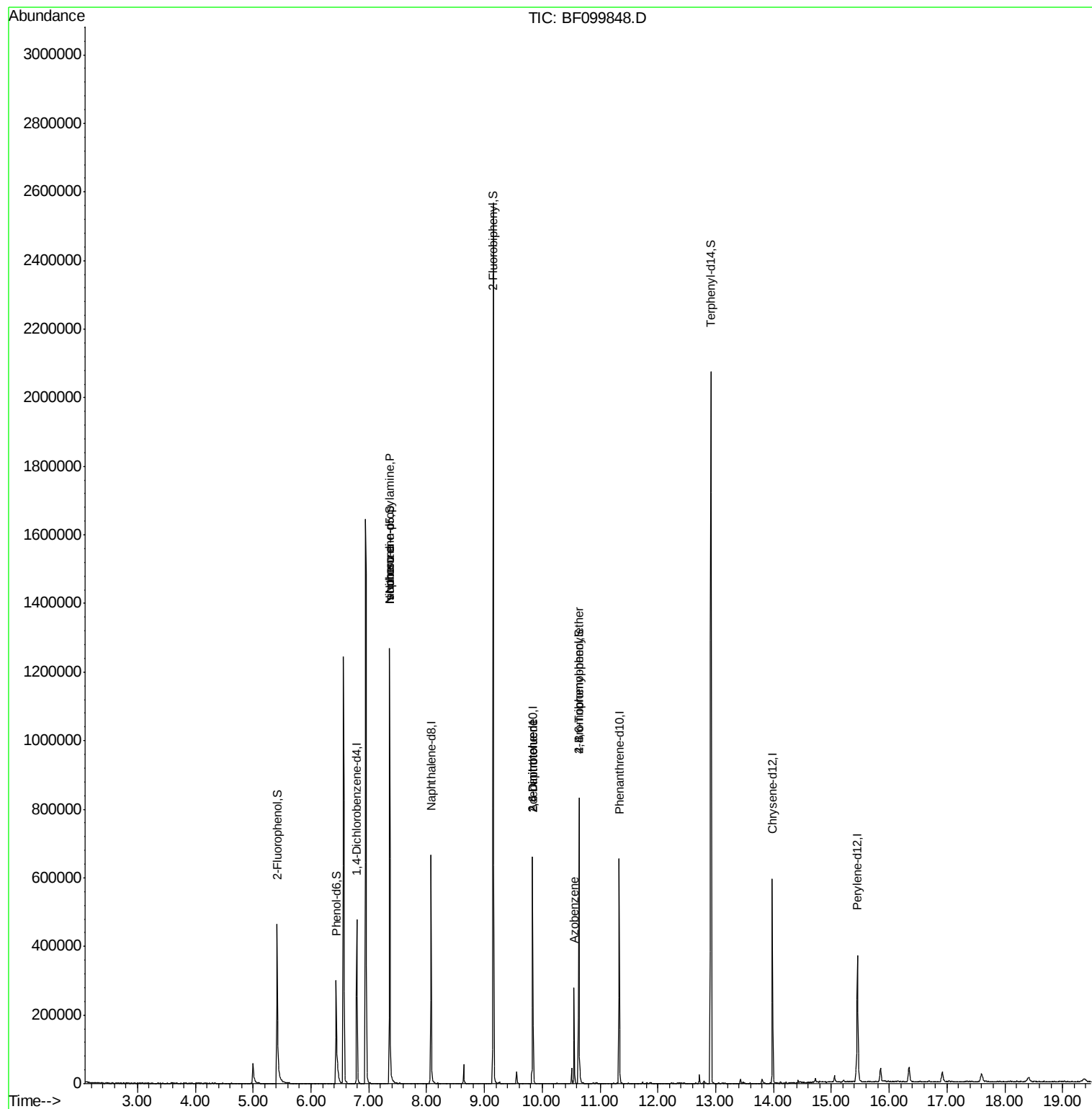
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	74387	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	304884	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	135596	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	245441	20.00	ng	0.00
75) Chrysene-d12	13.98	240	204874	20.00	ng	0.00
86) Perylene-d12	15.45	264	179714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	199207	42.04	ng	0.00
7) Phenol-d6	6.43	99	152698	27.18	ng	0.00
23) Nitrobenzene-d5	7.36	82	411114	86.81	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	105710	85.55	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	814962	92.73	ng	0.00
78) Terphenyl-d14	12.92	244	752897	80.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	50437	15.320	ng	# 72
25) Isophorone	7.36	82	411114	47.842	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	17479	7.743	ng	# 24
56) 2,4-Dinitrotoluene	9.83	165	17479	6.430	ng	# 21
62) Azobenzene	10.55	77	41826	4.758	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	6895	2.668	ng	# 1

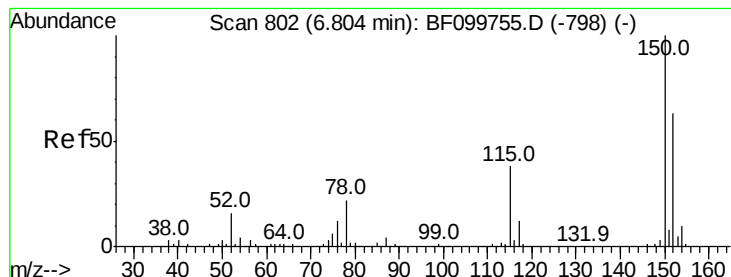
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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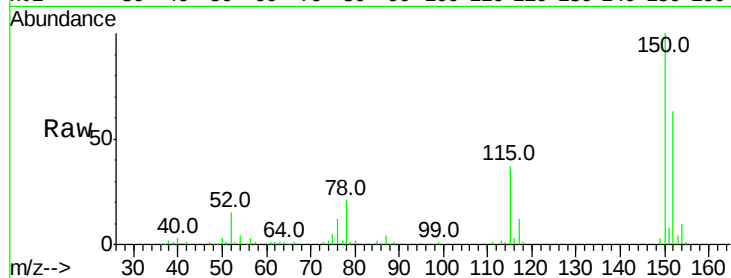


#1

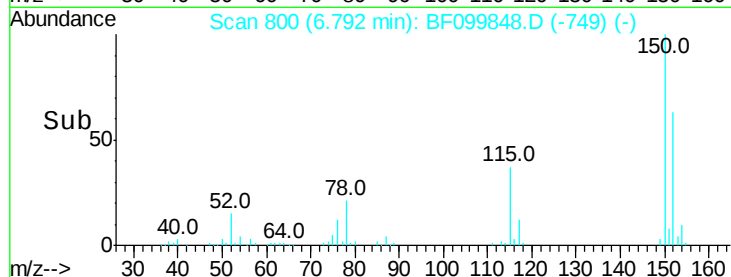
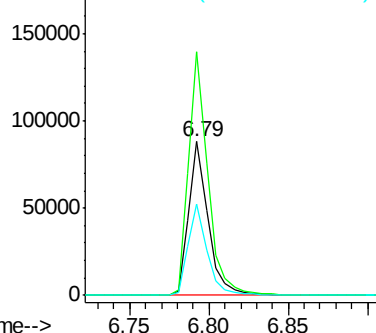
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 74387
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.6 186.8
 115 59.3 50.1 75.1



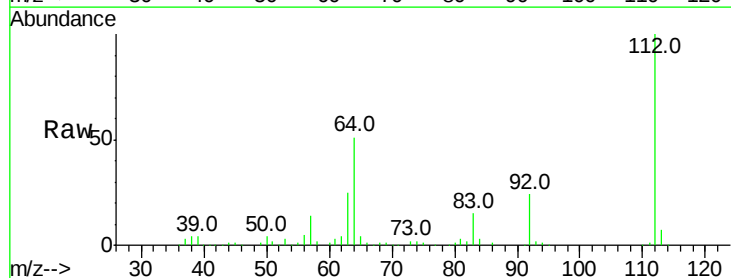
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



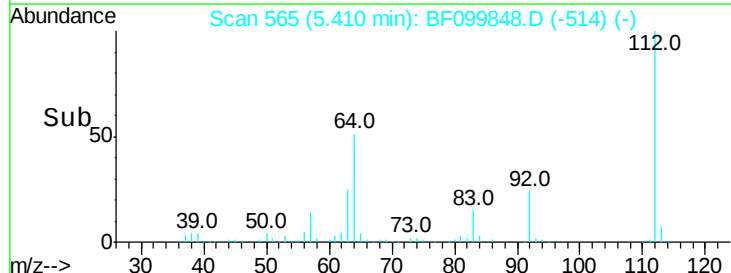
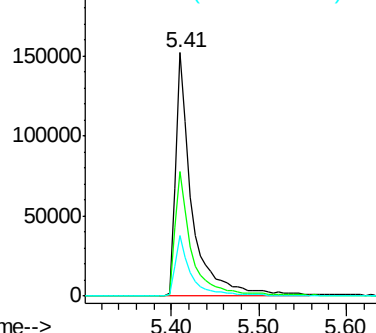
#5

2-Fluorophenol
 Concen: 42.043 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

Tgt Ion:112 Resp: 199207
 Ion Ratio Lower Upper
 112 100
 64 51.1 47.9 71.9
 63 24.8 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: 27.180 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099848.D

Acq: 26 Oct 2017 8:26

Instrument :

BNA_F

ClientSampleId :

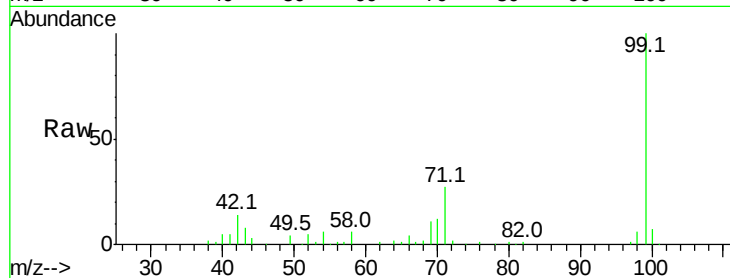
Tot Ion: 99 Resp: 152698

Ion Ratio Lower Upper

99 100

42 14.4 14.5 21.7#

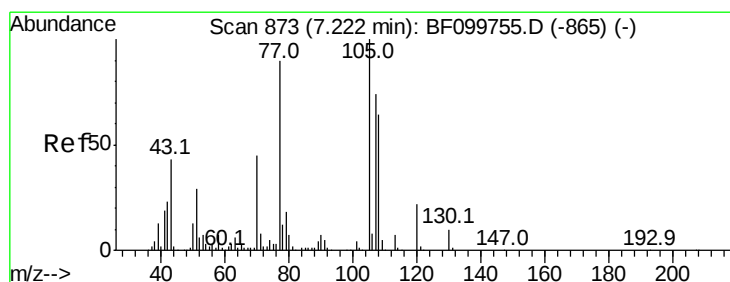
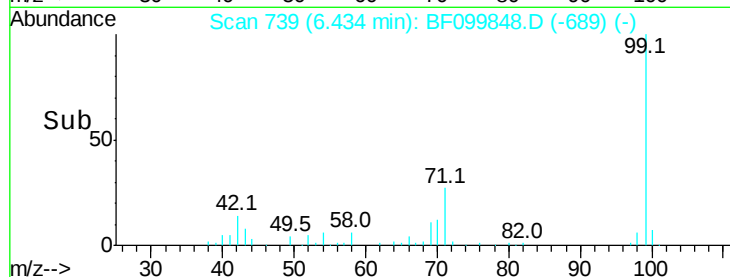
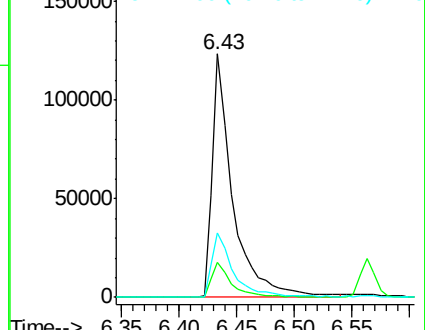
71 26.6 25.4 38.0



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: 15.320 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099848.D

Acq: 26 Oct 2017 8:26

Tgt Ion: 70 Resp: 50437

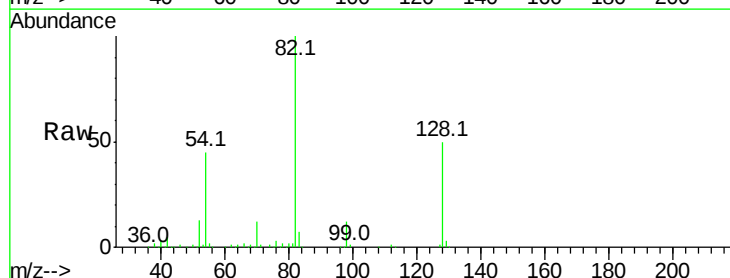
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.9 16.6 25.0#

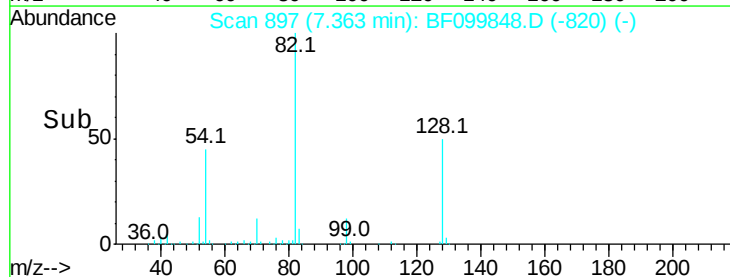
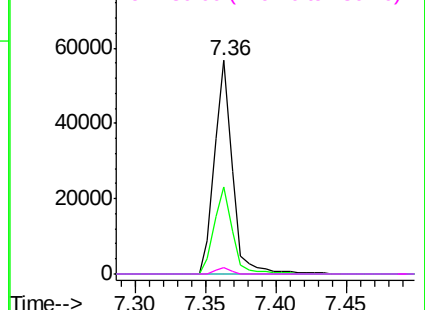


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

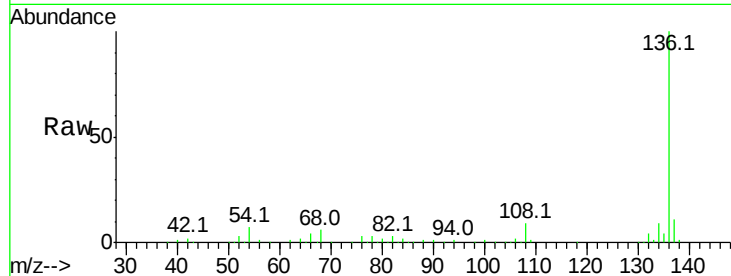




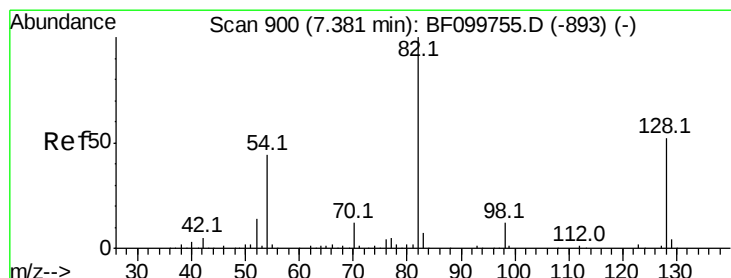
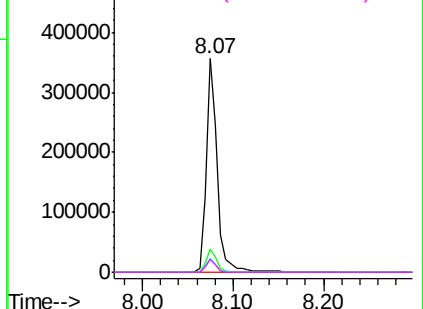
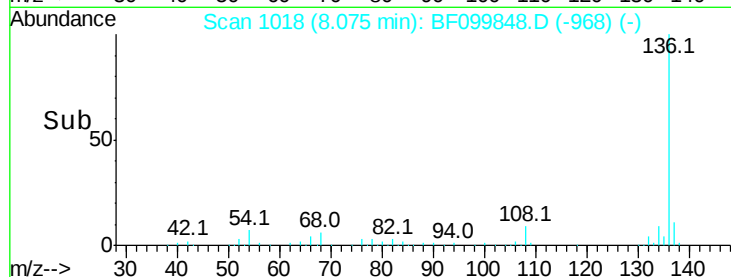
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099848.D
Acq: 26 Oct 2017 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	304884
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.9	6.6	9.8
68	6.0	5.0	7.4

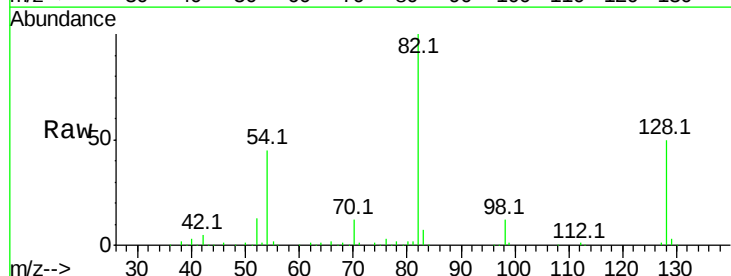


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

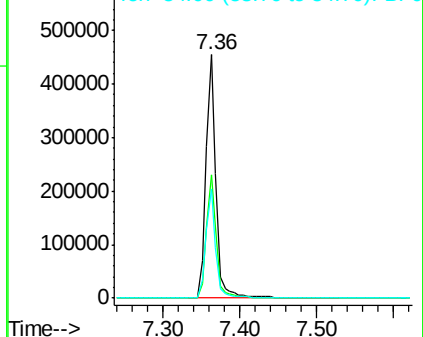
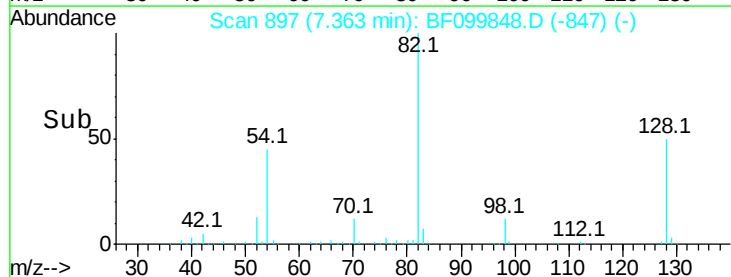


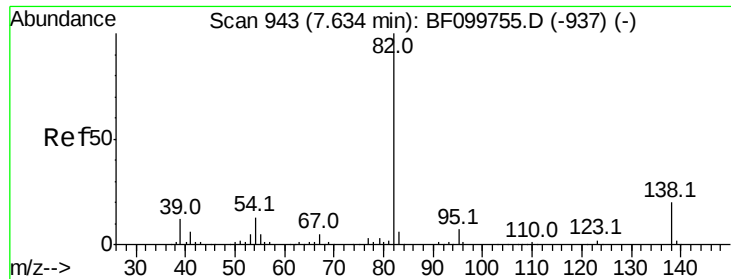
#23
Nitrobenzene-d5
Concen: 86.812 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099848.D
Acq: 26 Oct 2017 8:26

Tgt Ion:	82	Resp:	411114
Ion	Ratio	Lower	Upper
82	100		
128	50.5	36.1	54.1
54	44.8	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: 47.842 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099848.D

Acq: 26 Oct 2017 8:26

Instrument :

BNA_F

ClientSampleId :

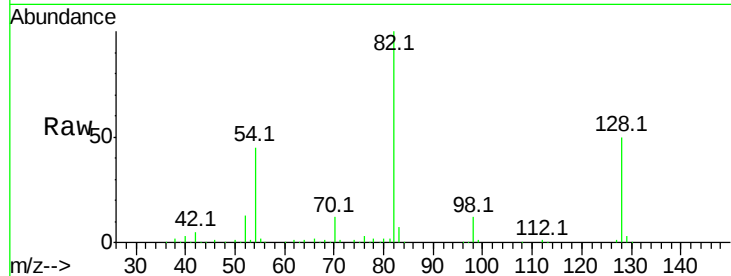
Tot Ion: 82 Resp: 411114

Ion Ratio Lower Upper

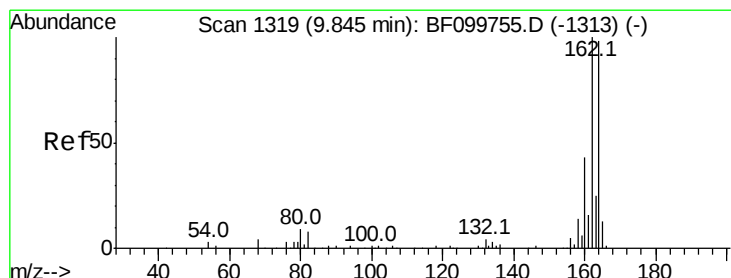
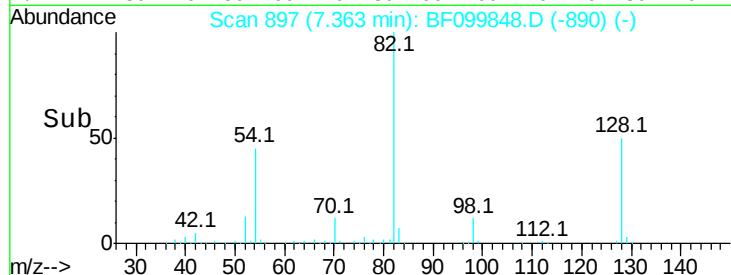
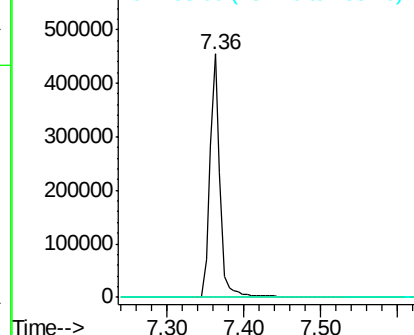
82 100

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: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099848.D

Acq: 26 Oct 2017 8:26

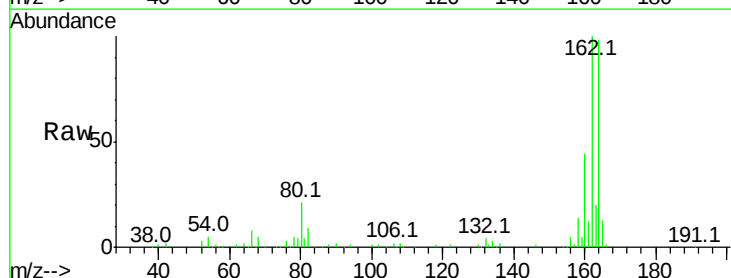
Tgt Ion:164 Resp: 135596

Ion Ratio Lower Upper

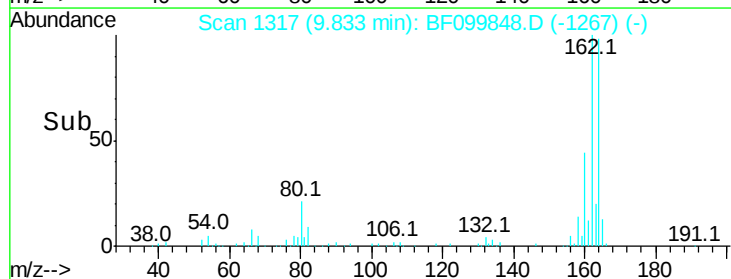
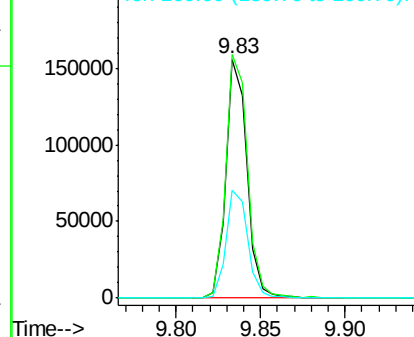
164 100

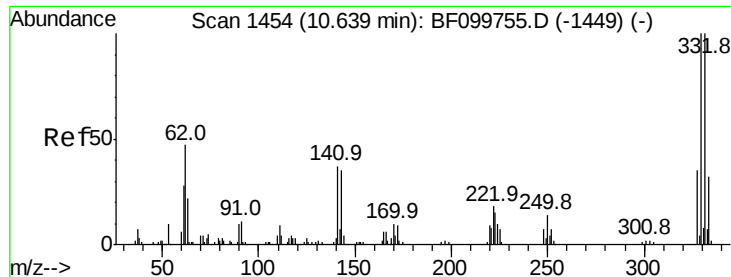
162 101.9 86.1 129.1

160 45.1 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

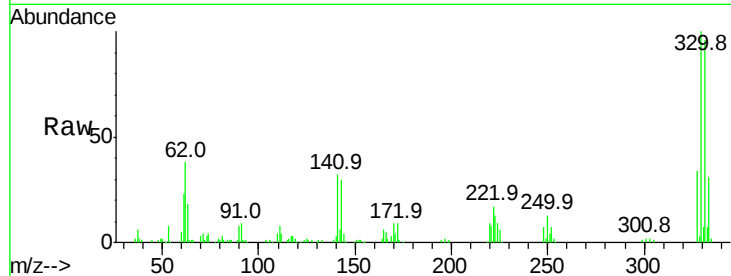




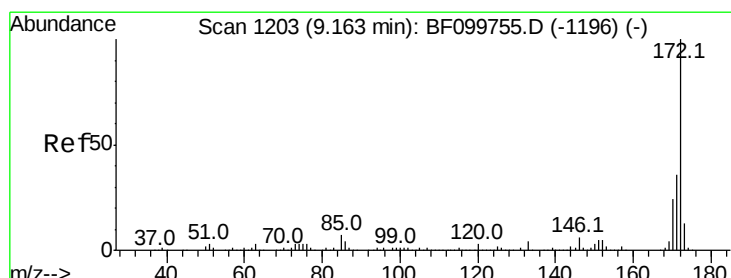
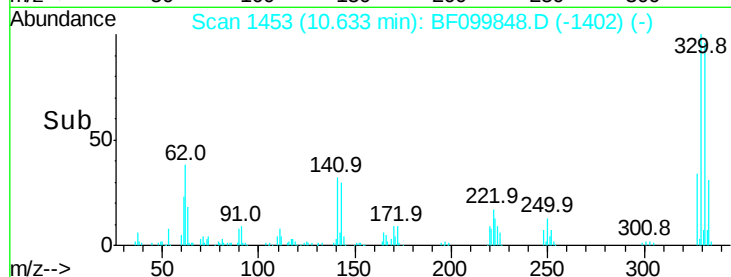
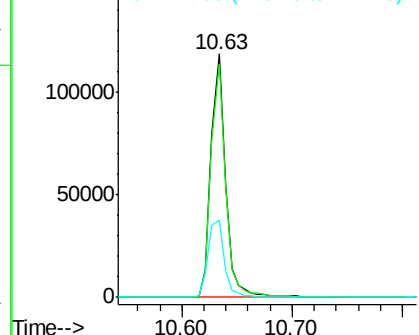
#41
 2,4,6-Tribromophenol
 Concen: 85.546 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	35.4	29.9	44.9

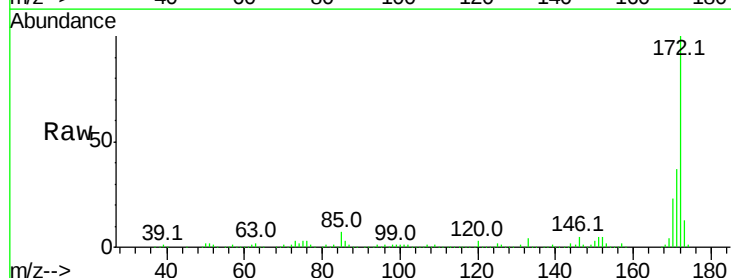


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

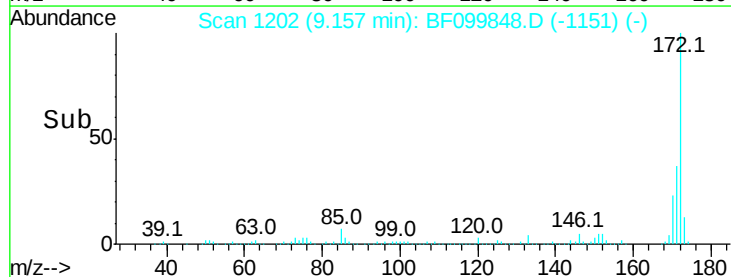
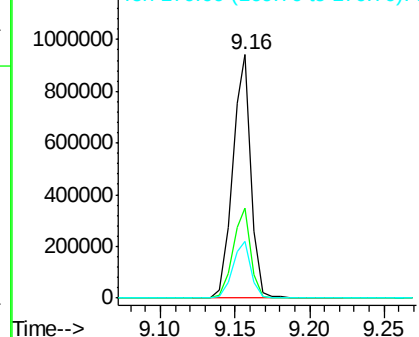


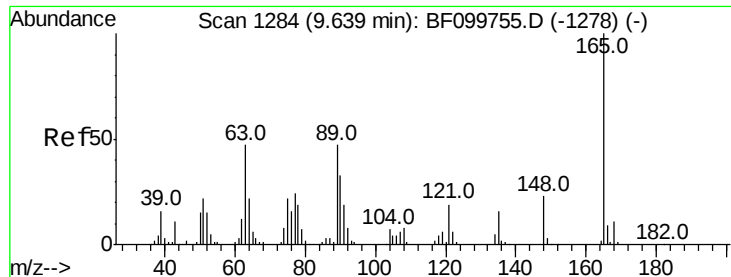
#44
 2-Fluorobiphenyl
 Concen: 92.728 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	23.3	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

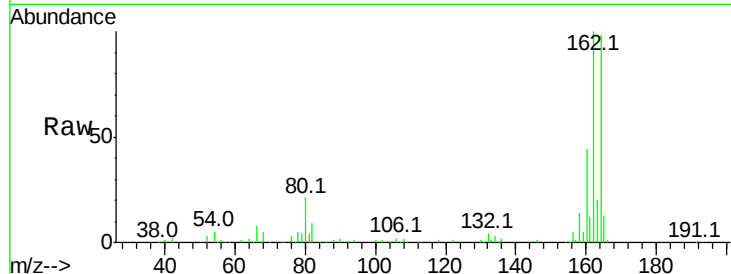




#50
 2,6-Dinitrotoluene
 Concen: 7.743 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.20 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

Instrument :
 BNA_F
 ClientSampled :

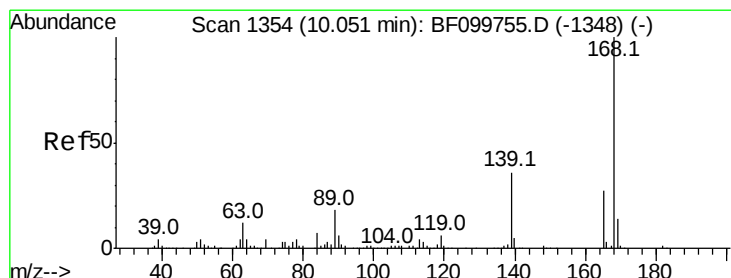
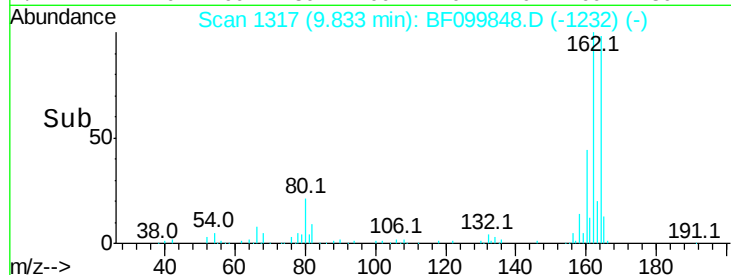
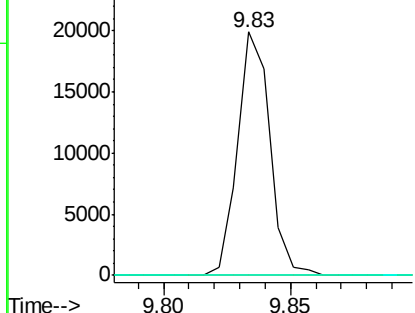
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



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: 6.430 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

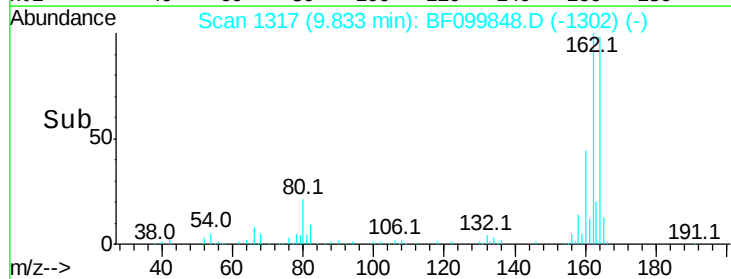
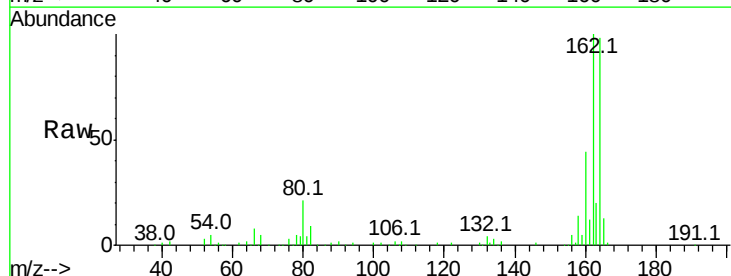
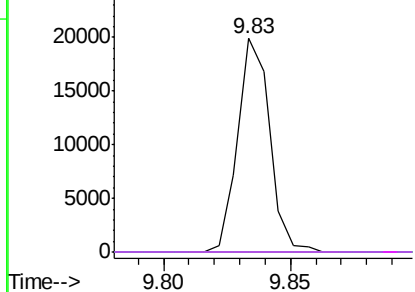
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

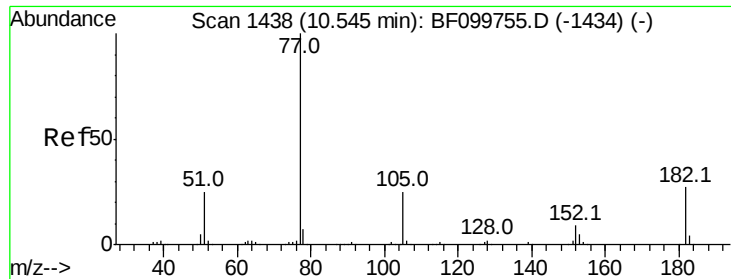
Abundance Ion 165.00 (164.70 to 165.70): E

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: 4.758 ng

RT: 10.55 min Scan# 1439

Delta R.T. 0.01 min

Lab File: BF099848.D

Acq: 26 Oct 2017 8:26

Instrument :

BNA_F

ClientSampled :

Tot Ion: 77 Resp: 41826

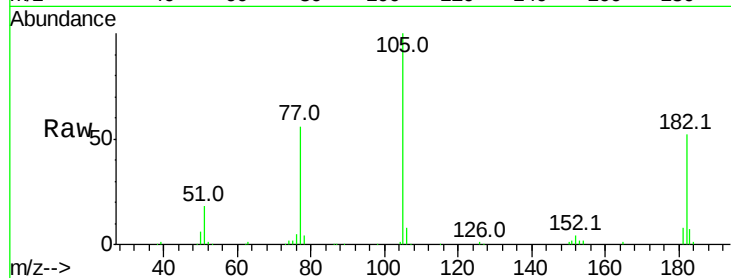
Ion Ratio Lower Upper

77 100

182 92.0 1.7 41.7#

105 177.7 3.0 43.0#

51 31.8 9.9 49.9

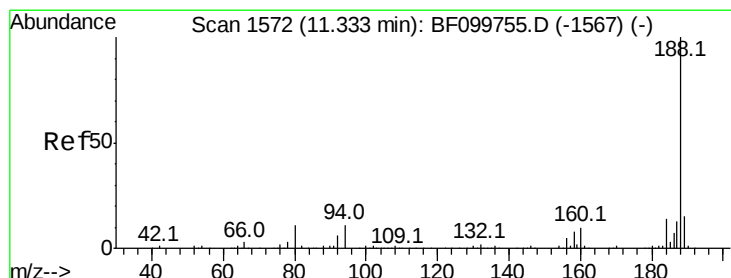
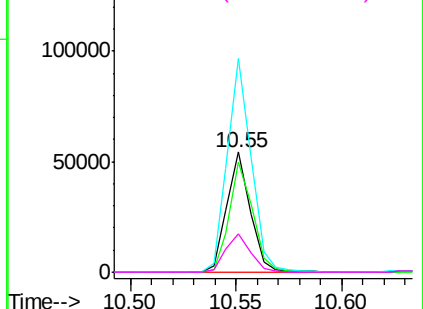
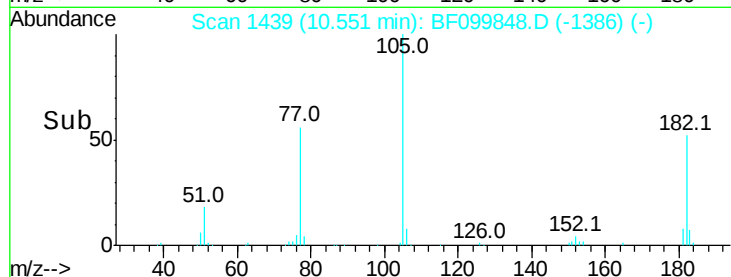


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF099848.D

Acq: 26 Oct 2017 8:26

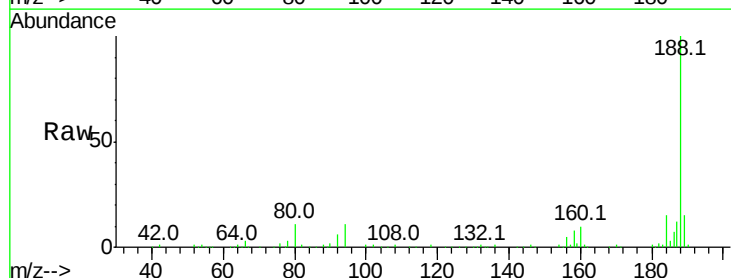
Tgt Ion: 188 Resp: 245441

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

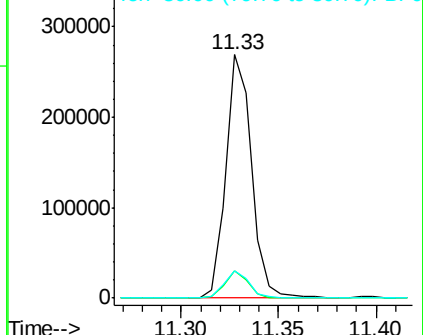
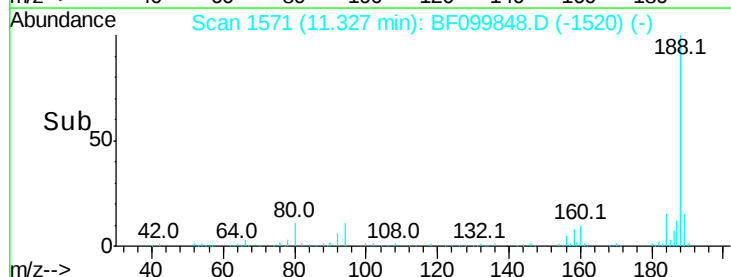
80 11.1 9.2 13.8



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

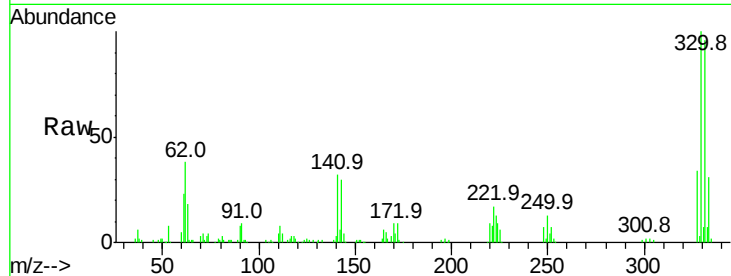




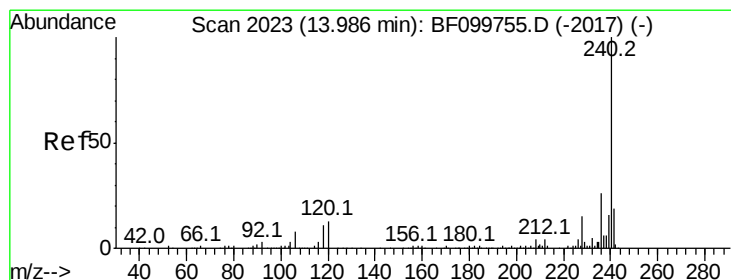
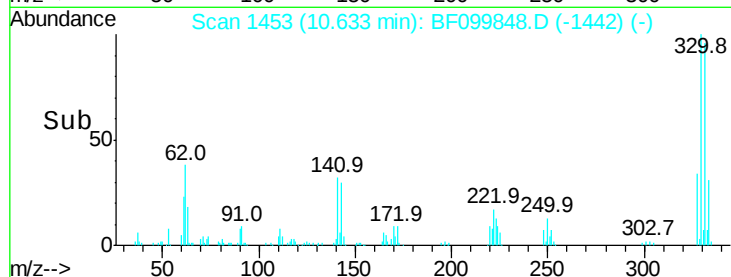
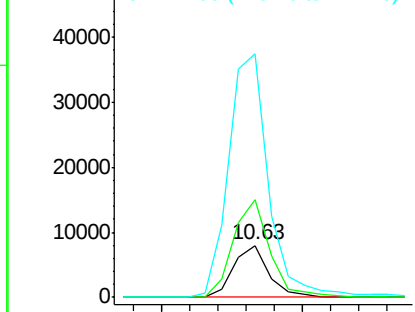
#66
4-Bromophenyl-phenylether
Concen: 2.668 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF099848.D
Acq: 26 Oct 2017 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6895
Ion Ratio Lower Upper
248 100
250 186.8 76.9 115.3#
141 468.3 74.4 111.6#

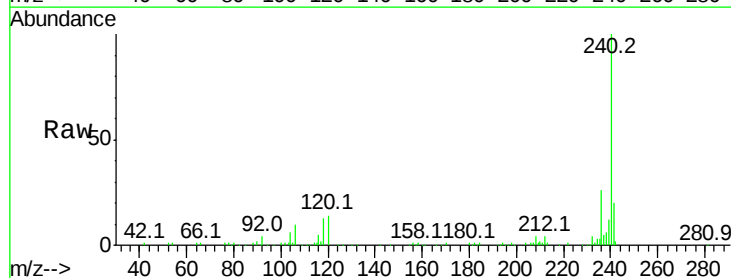


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

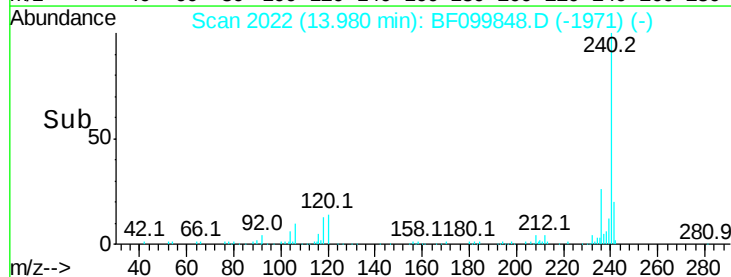
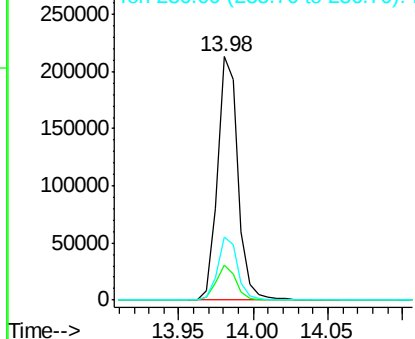


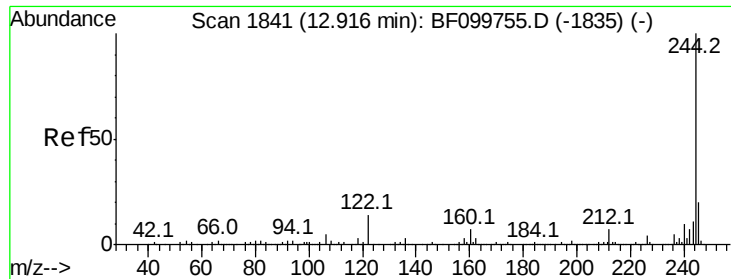
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF099848.D
Acq: 26 Oct 2017 8:26

Tgt Ion:240 Resp: 204874
Ion Ratio Lower Upper
240 100
120 14.4 9.5 14.3#
236 25.7 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

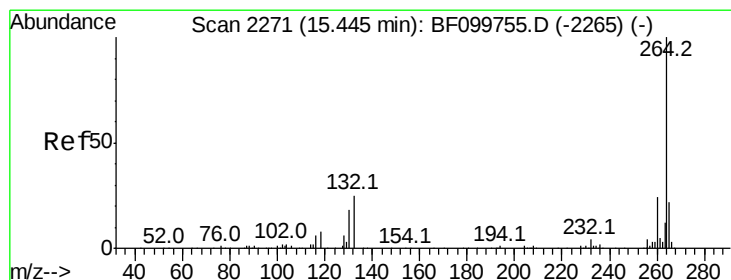
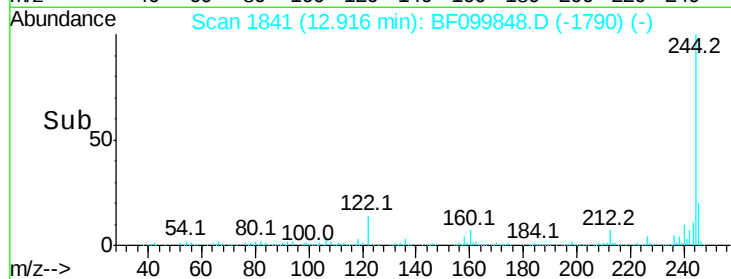
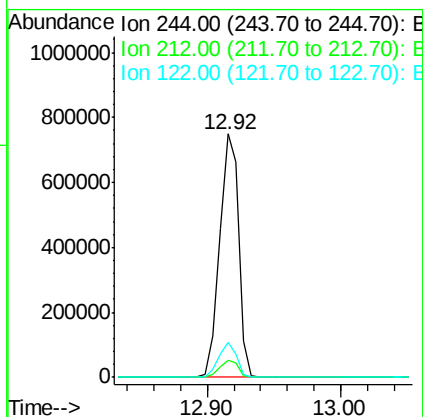
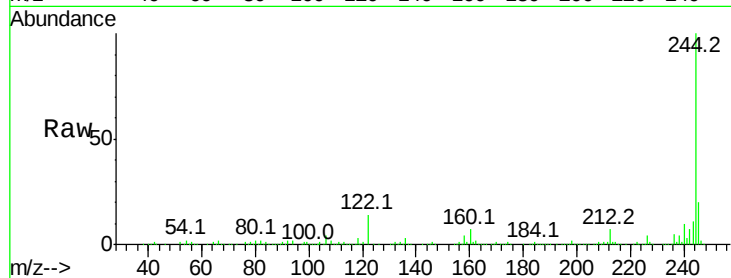




#78
 Terphenyl-d14
 Concen: 80.311 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 752897
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: BF099848.D
 Acq: 26 Oct 2017 8:26

Tgt Ion:264 Resp: 179714
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.2 28.8
 265 20.8 17.5 26.3

