

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099557.D
 Acq On : 16 Oct 2017 21:22
 Operator : SJ/JU
 Sample : I5782-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 23:30:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

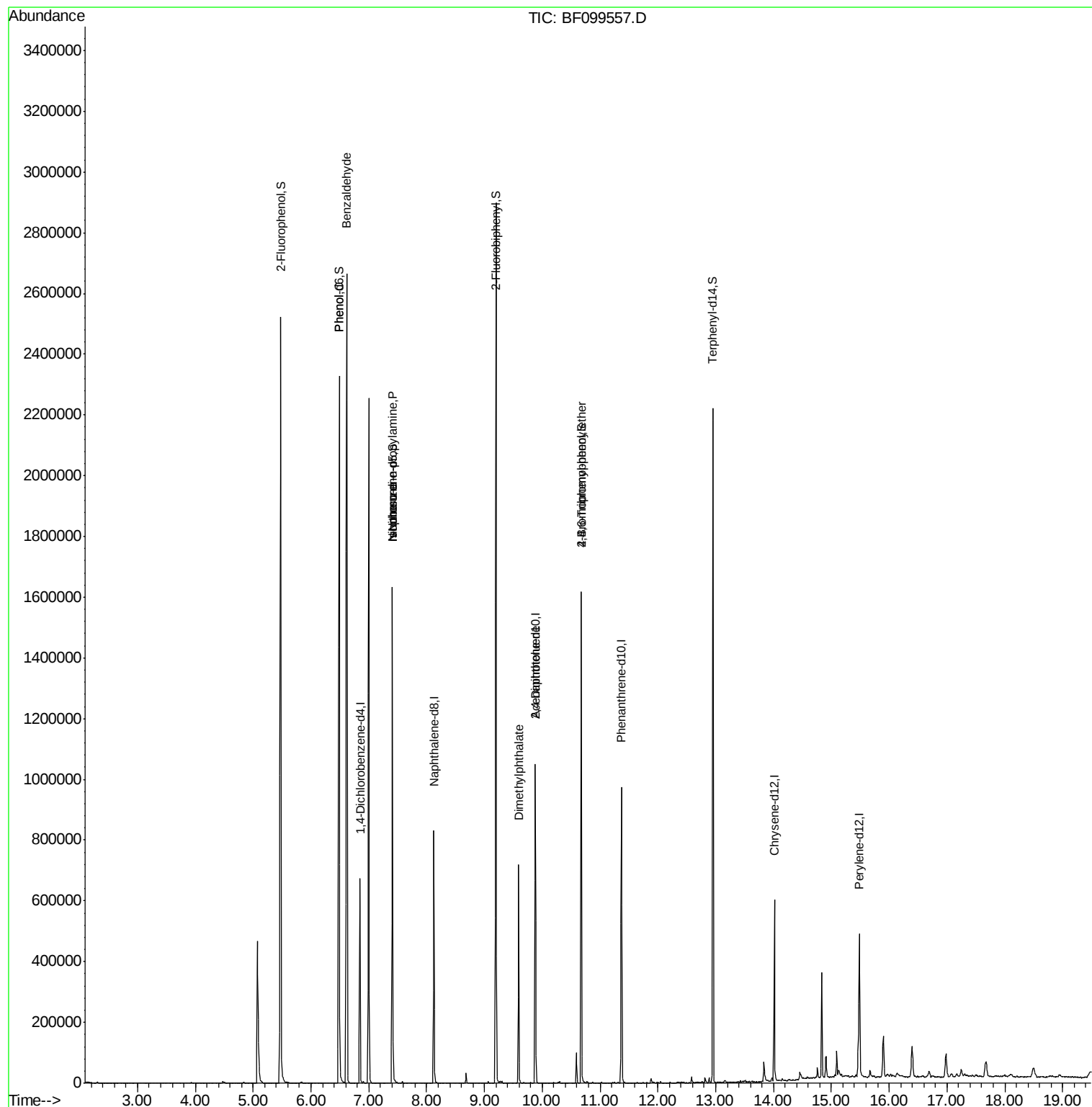
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105482	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	434457	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	194661	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	325858	20.00	ng	0.00
75) Chrysene-d12	14.02	240	199704	20.00	ng	0.00
86) Perylene-d12	15.49	264	197145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	827635	124.90	ng	0.00
7) Phenol-d6	6.49	99	993873	121.59	ng	0.00
23) Nitrobenzene-d5	7.41	82	607719	89.71	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	195410	122.68	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	1067873	91.58	ng	0.00
78) Terphenyl-d14	12.96	244	781176	88.96	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	15790	3.33	ng	88
10) Phenol	6.49	94	74015	8.10	ng	95
19) n-Nitroso-di-n-propylamine	7.41	70	76943	14.74	ng	# 71
25) Isophorone	7.41	82	607711	43.39	ng	# 64
49) Dimethylphthalate	9.59	163	283957	19.33	ng	99
56) 2,4-Dinitrotoluene	9.88	165	24404	5.88	ng	# 23
66) 4-Bromophenyl-phenylether	10.67	248	12690	3.98	ng	# 1

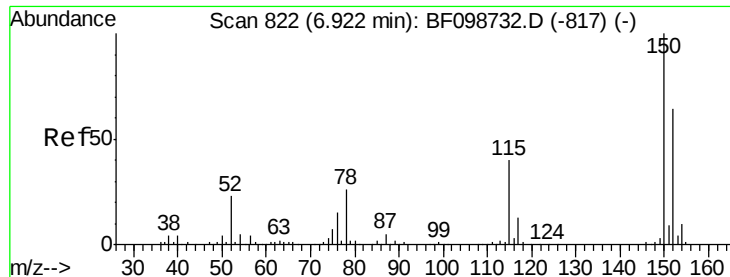
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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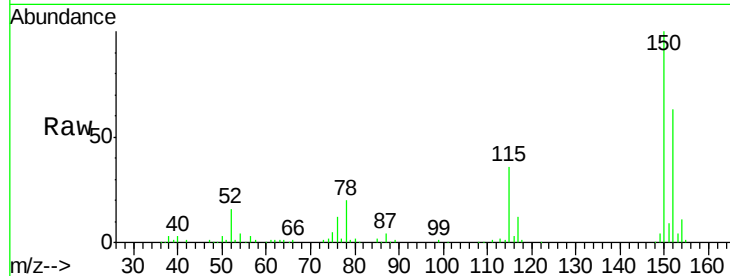


#1

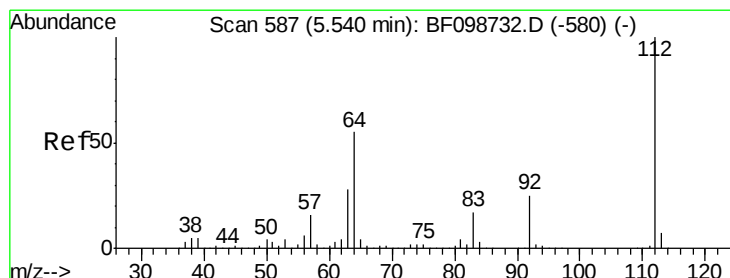
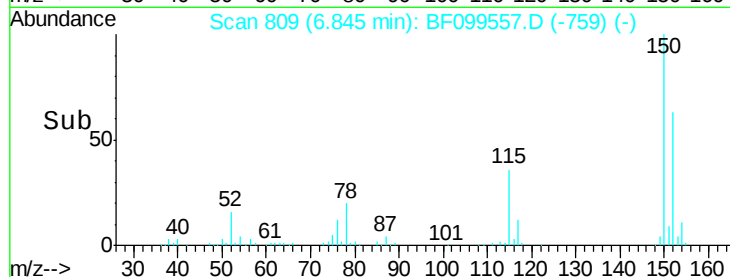
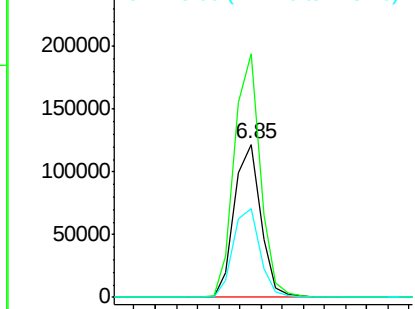
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099557.D
Acq: 16 Oct 2017 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 105482
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 57.6 50.1 75.1



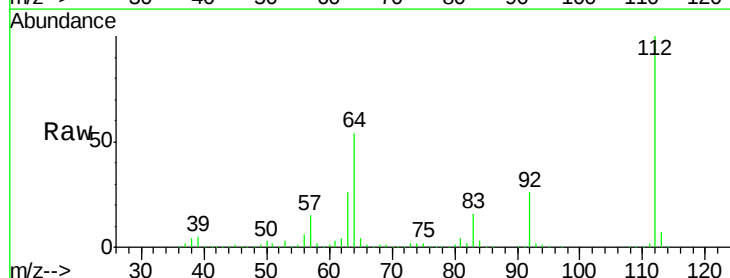
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



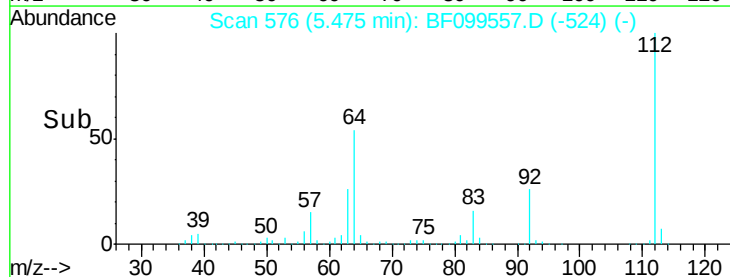
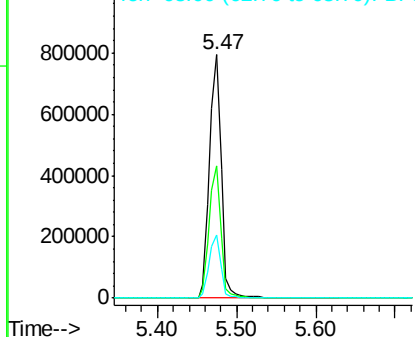
#5

2-Fluorophenol
Concen: 124.90 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF099557.D
Acq: 16 Oct 2017 21:22

Tgt Ion:112 Resp: 827635
Ion Ratio Lower Upper
112 100
64 54.4 47.9 71.9
63 26.2 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: 121.59 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

Instrument :

BNA_F

ClientSampled :

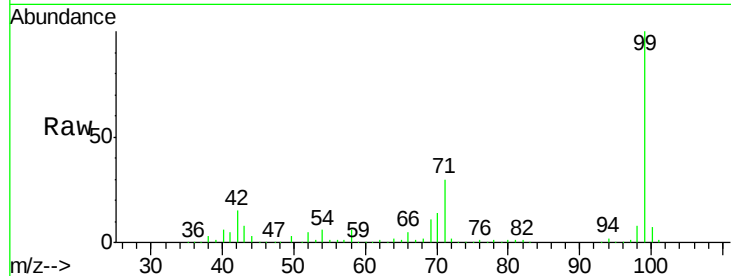
Tot Ion: 99 Resp: 993873

Ion Ratio Lower Upper

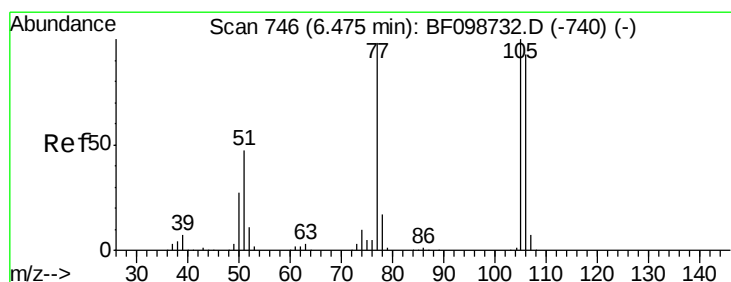
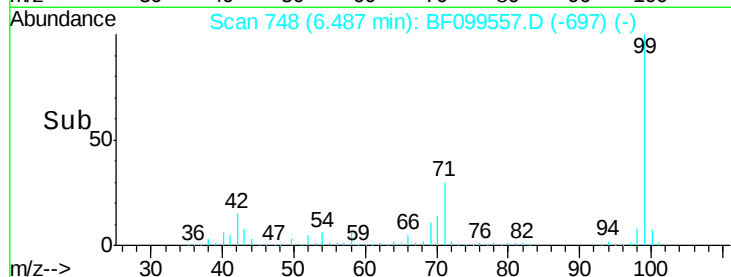
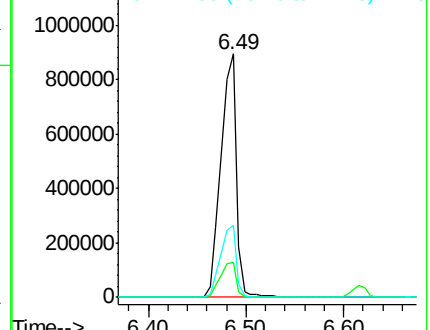
99 100

42 14.6 14.5 21.7

71 29.9 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: 3.33 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

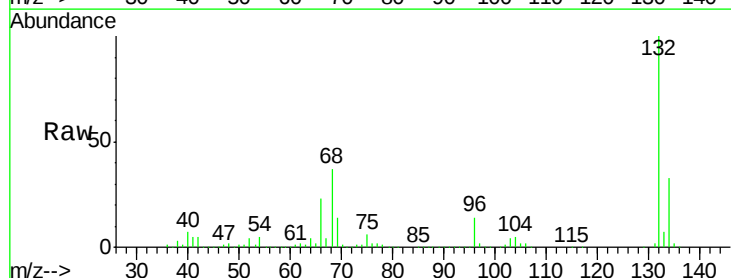
Tgt Ion: 77 Resp: 15790

Ion Ratio Lower Upper

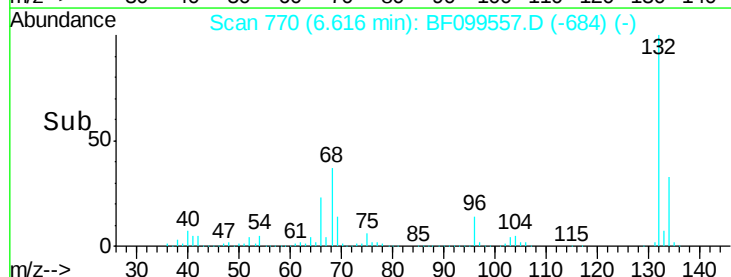
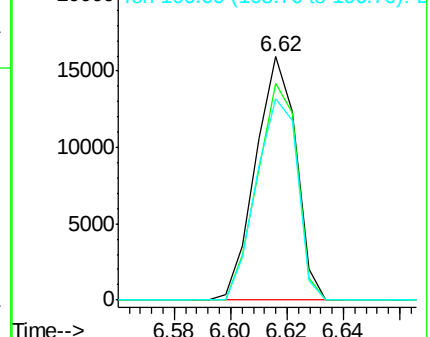
77 100

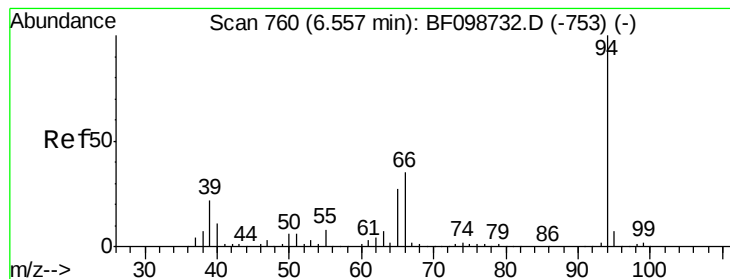
105 89.3 81.1 121.1

106 82.9 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 8.10 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

Instrument :

BNA_F

ClientSampled :

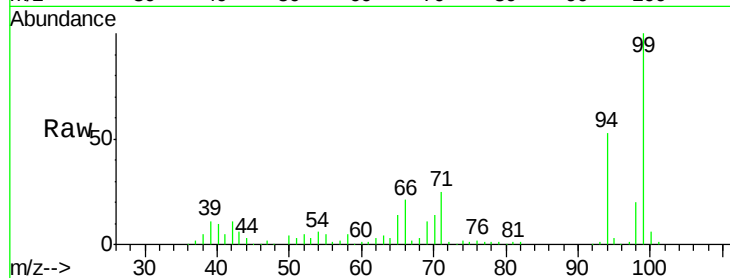
Tot Ion: 94 Resp: 74015

Ion Ratio Lower Upper

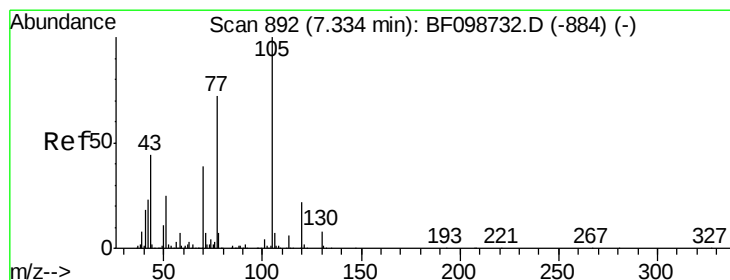
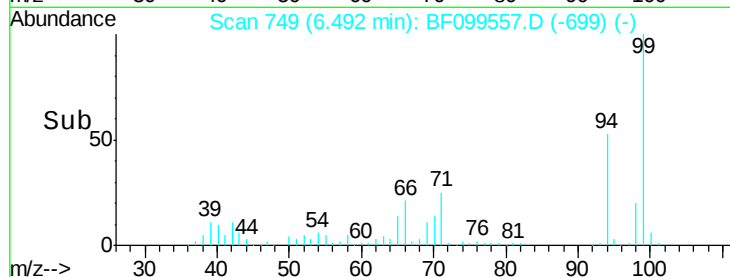
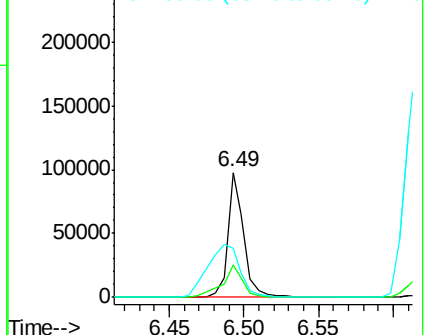
94 100

65 26.1 7.9 47.9

66 39.4 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 14.74 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

Tgt Ion: 70 Resp: 76943

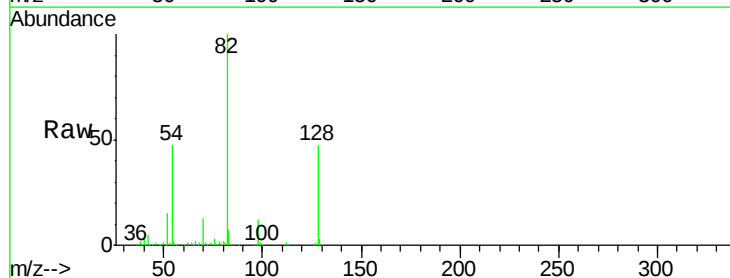
Ion Ratio Lower Upper

70 100

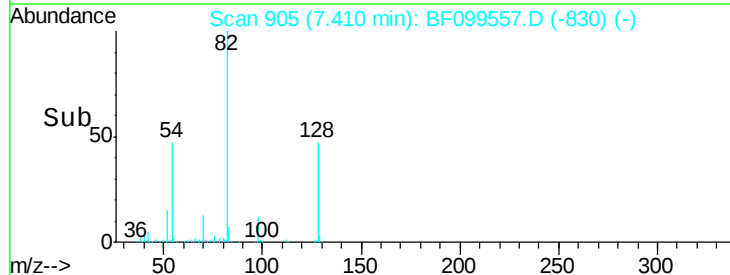
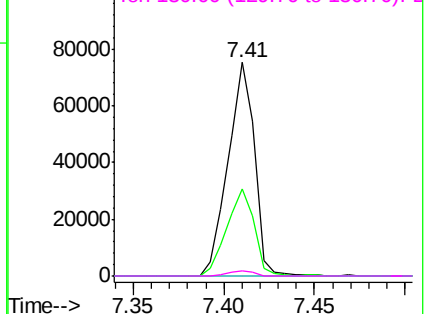
42 40.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 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

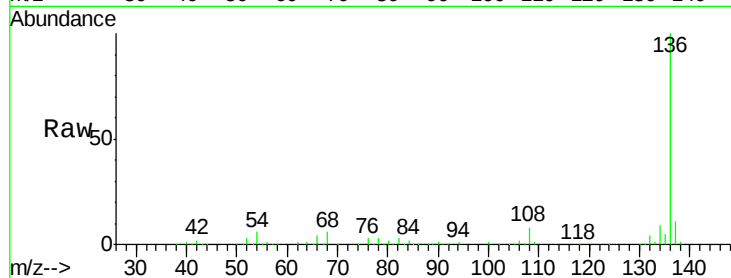




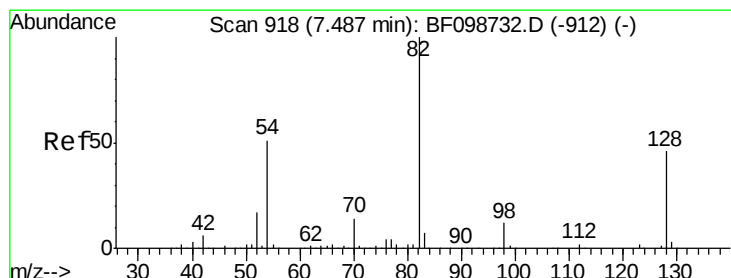
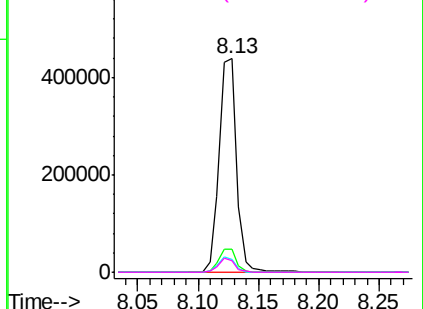
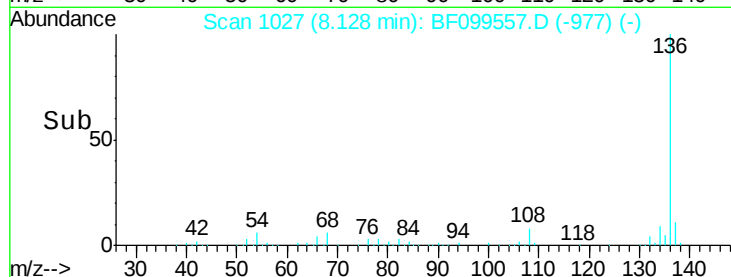
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099557.D
Acq: 16 Oct 2017 21:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	434457
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	6.2	6.6 9.8#
68	5.6	5.0 7.4

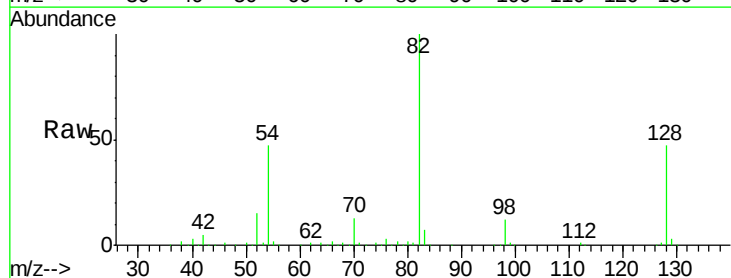


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

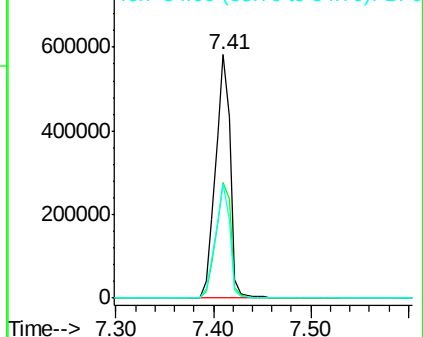
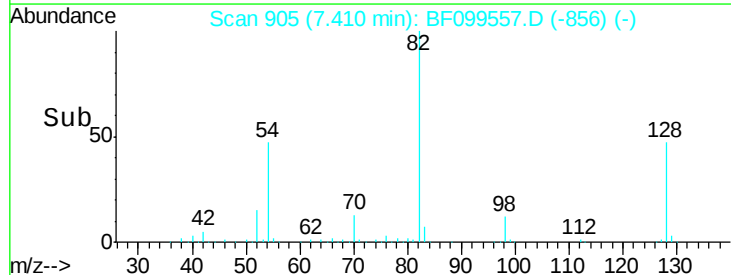


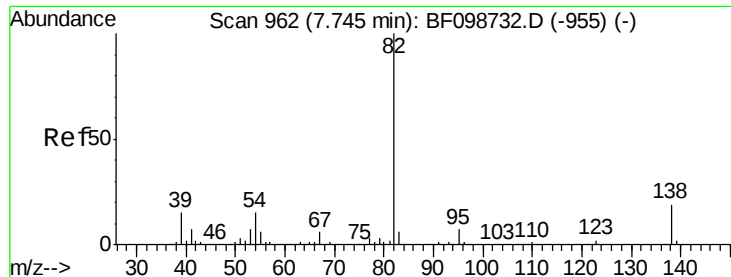
#23
Nitrobenzene-d5
Concen: 89.71 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099557.D
Acq: 16 Oct 2017 21:22

Tgt Ion: 82	Resp:	607719
Ion Ratio	Lower	Upper
82	100	
128	47.4	36.1 54.1
54	46.7	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: 43.39 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

Instrument :

BNA_F

ClientSampleId :

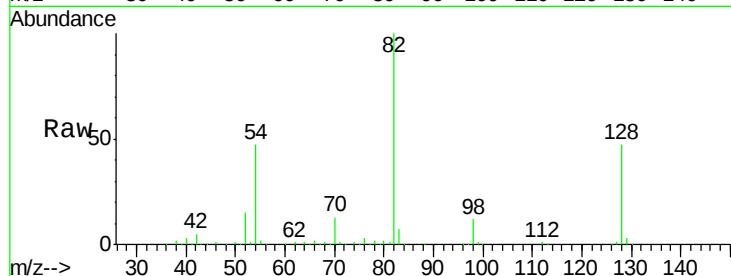
Tot Ion: 82 Resp: 607711

Ion Ratio Lower Upper

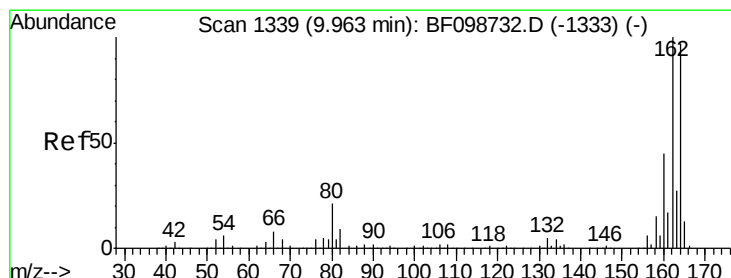
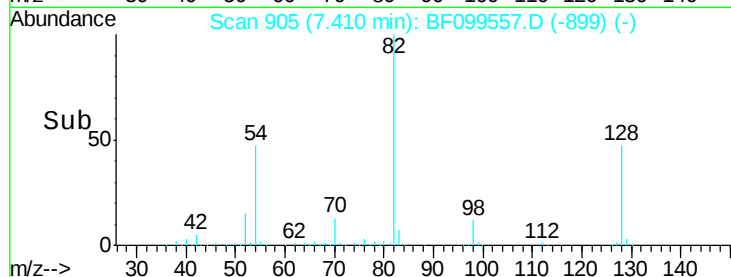
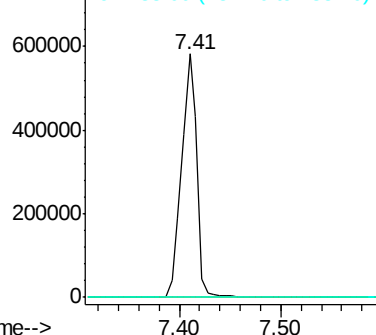
82 100

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

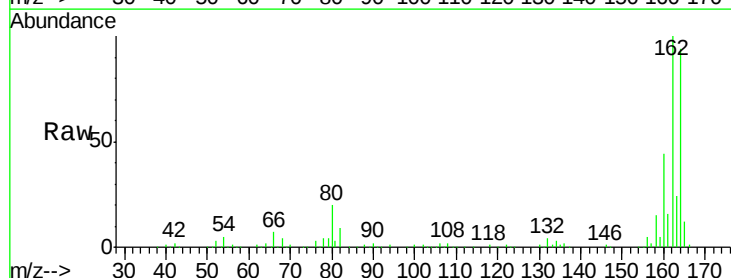
Tgt Ion: 164 Resp: 194661

Ion Ratio Lower Upper

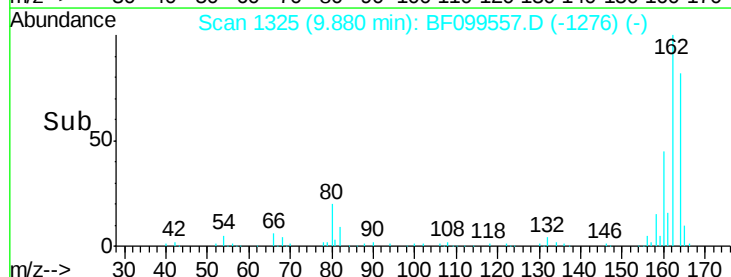
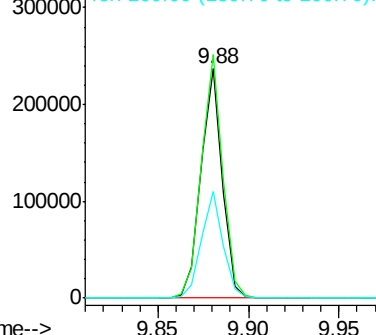
164 100

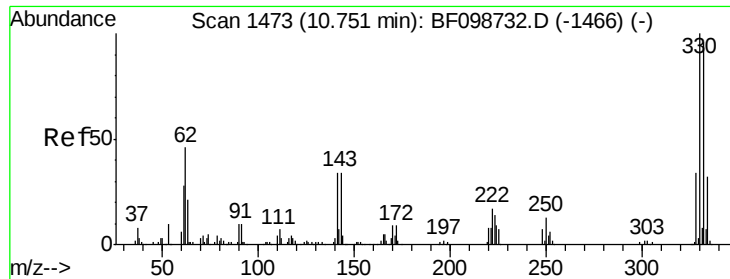
162 106.3 86.1 129.1

160 46.7 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

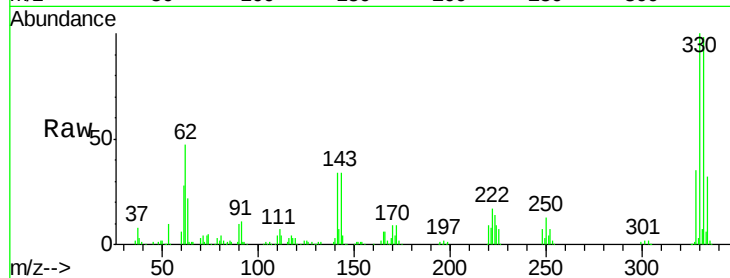




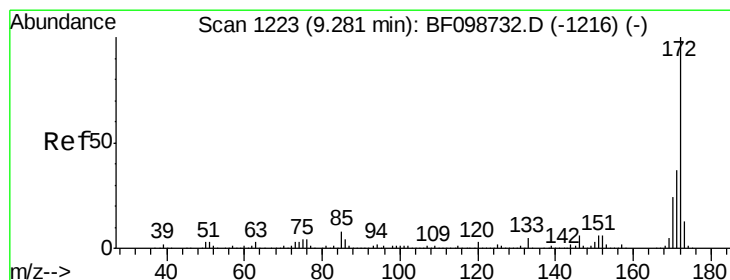
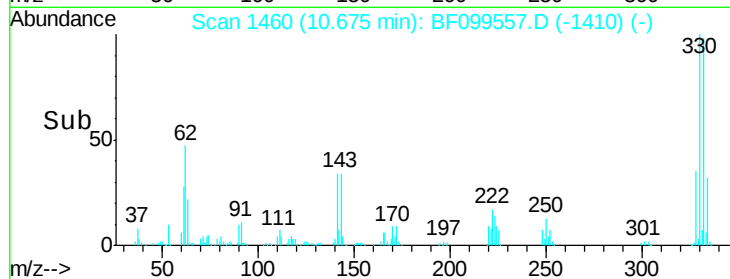
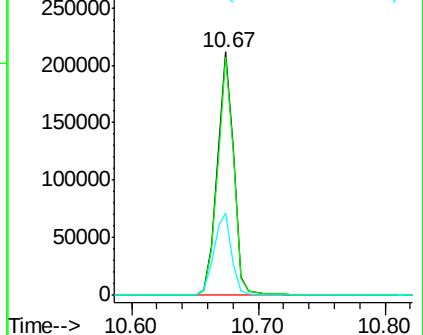
#41
 2,4,6-Tribromophenol
 Concen: 122.68 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099557.D
 Acq: 16 Oct 2017 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	36.4	29.9	44.9

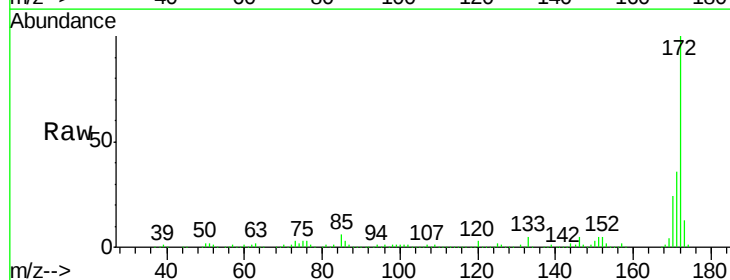


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

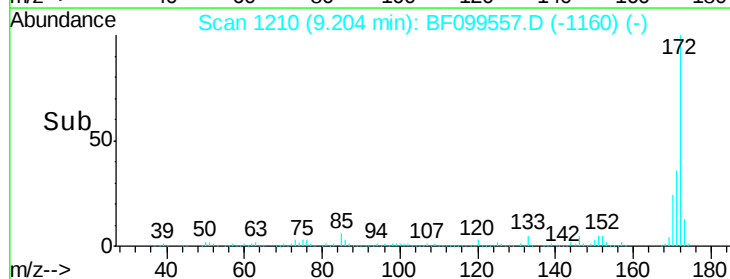
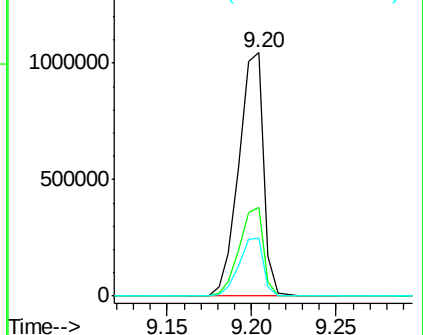


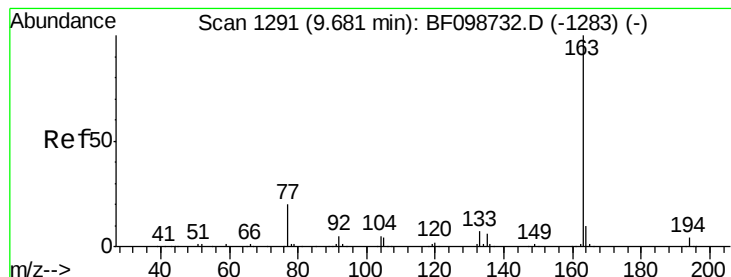
#44
 2-Fluorobiphenyl
 Concen: 91.58 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099557.D
 Acq: 16 Oct 2017 21:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	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





#49

Dimethylphthalate

Concen: 19.33 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

Instrument :

BNA_F

ClientSampleId :

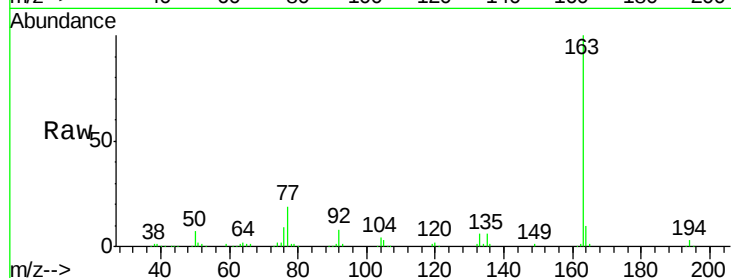
Tot Ion:163 Resp: 283957

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

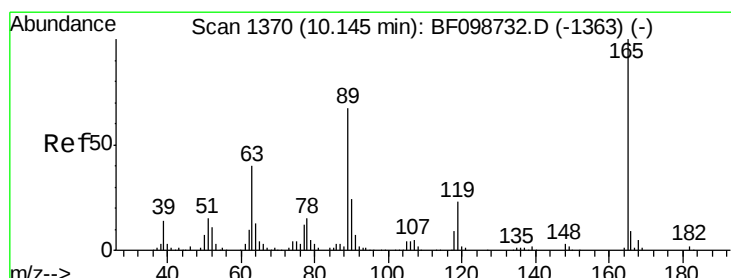
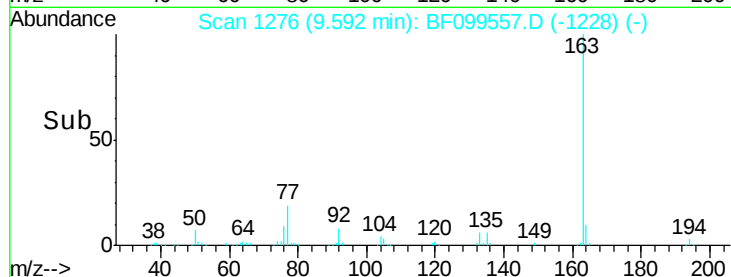
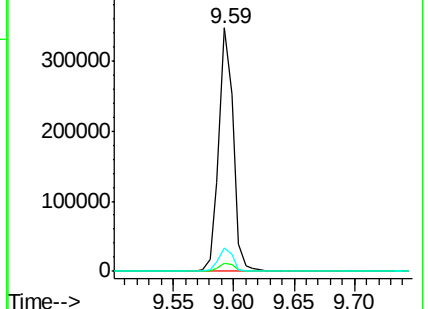
164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.88 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.21 min

Lab File: BF099557.D

Acq: 16 Oct 2017 21:22

Tgt Ion:165 Resp: 24404

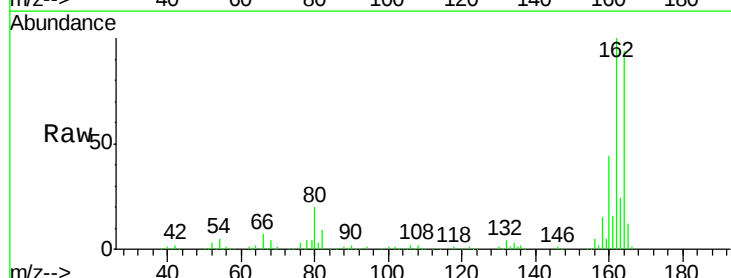
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

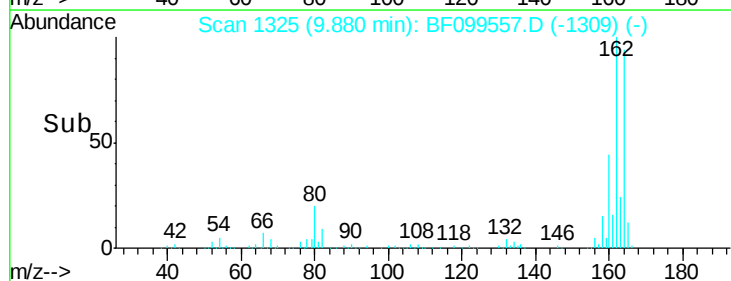
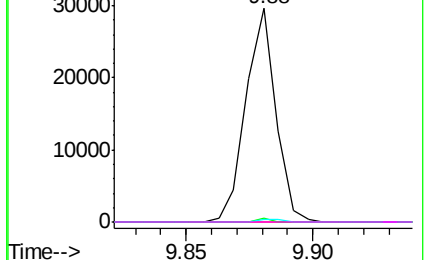


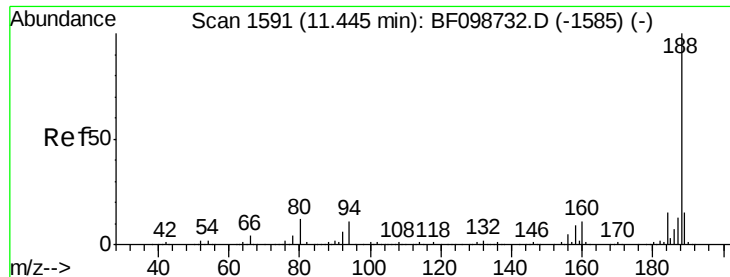
Abundance Ion 165.00 (164.70 to 165.70): E

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

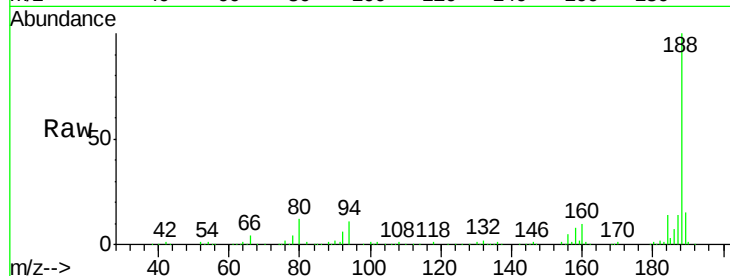




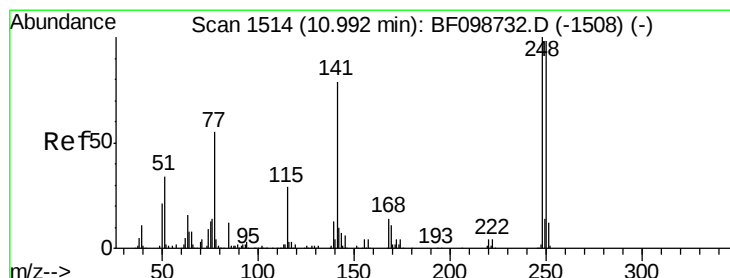
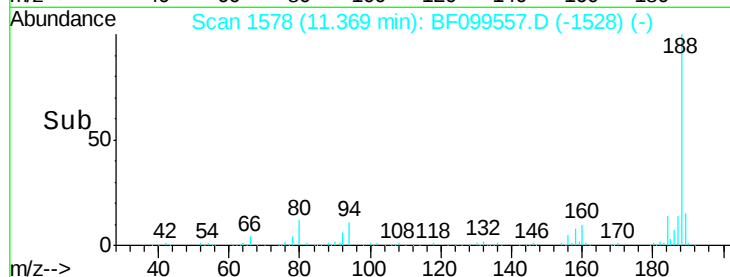
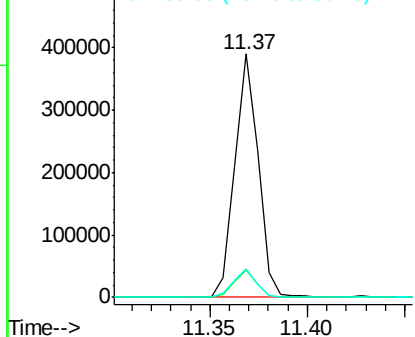
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099557.D
Acq: 16 Oct 2017 21:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 325858
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.7 9.2 13.8

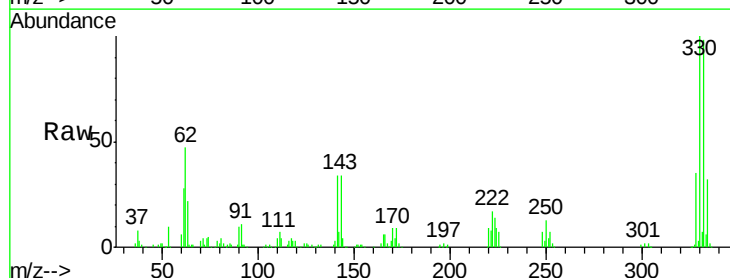


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

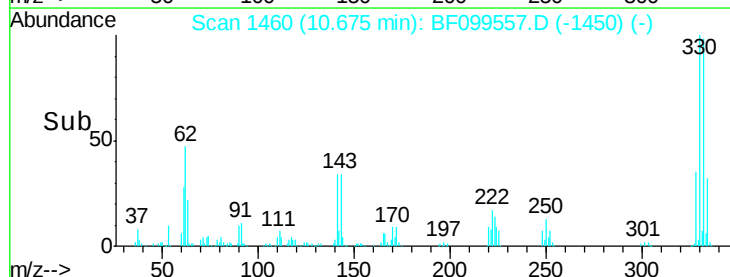
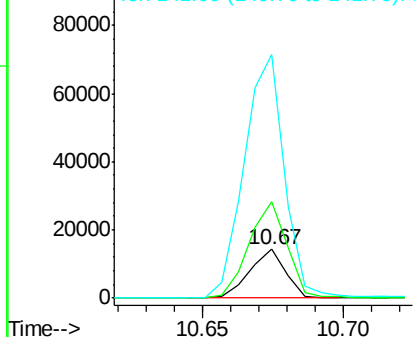


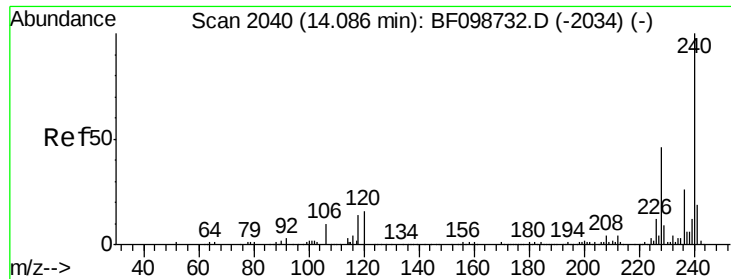
#66
4-Bromophenyl-phenylether
Concen: 3.98 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF099557.D
Acq: 16 Oct 2017 21:22

Tgt Ion:248 Resp: 12690
Ion Ratio Lower Upper
248 100
250 197.6 76.9 115.3#
141 500.1 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

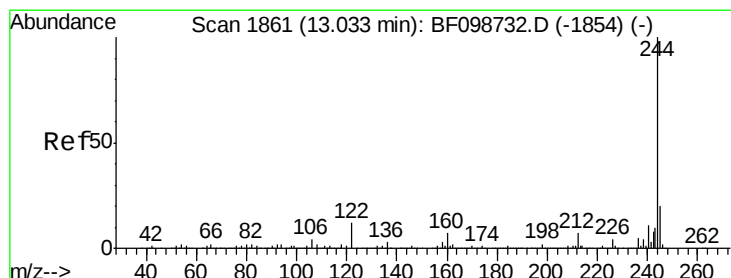
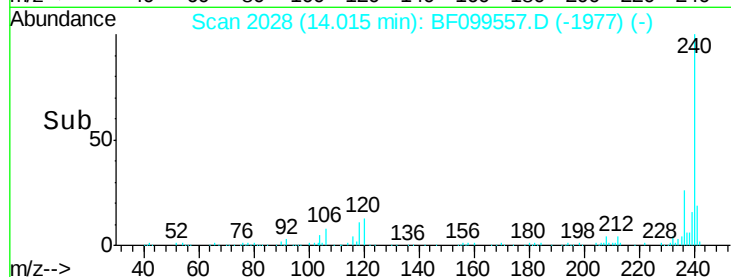
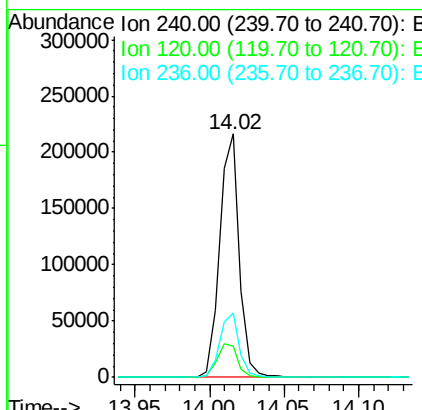
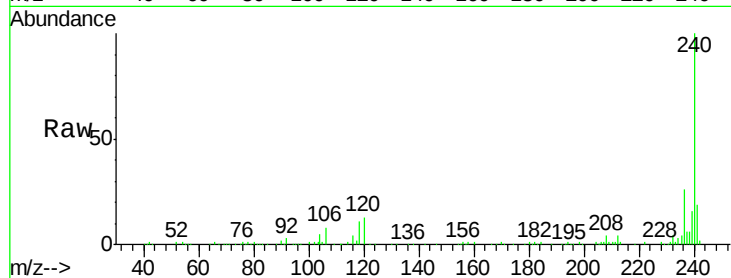




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF099557.D
 Acq: 16 Oct 2017 21:22

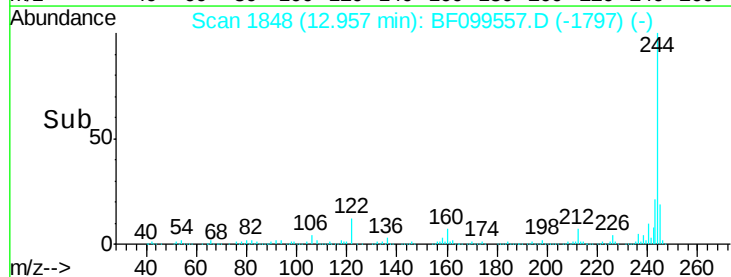
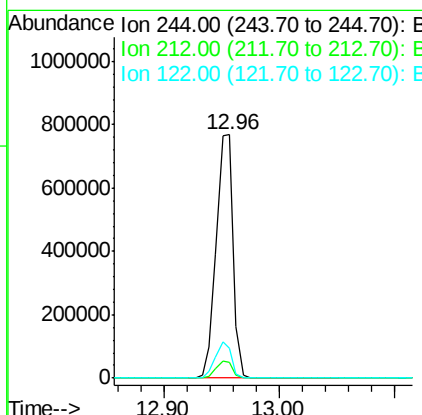
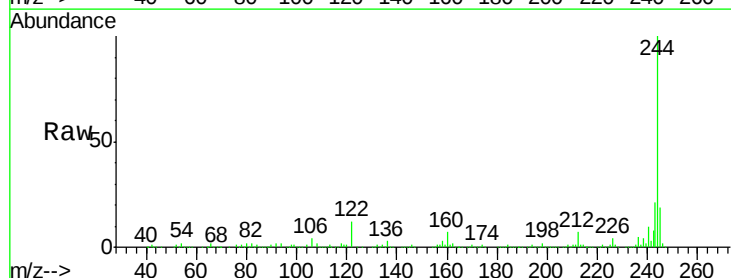
Instrument :
 BNA_F
 ClientSampleId :

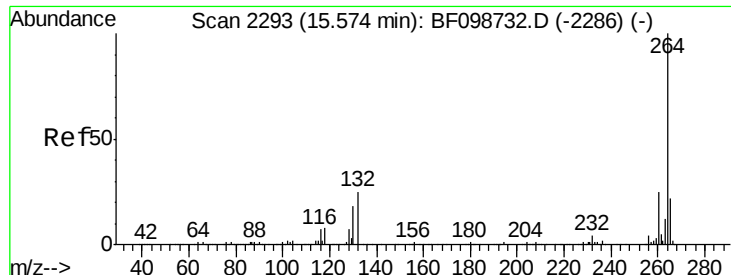
Tot Ion:240 Resp: 199704
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.5 14.3
 236 26.2 20.7 31.1



#78
 Terphenyl-d14
 Concen: 88.96 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. 0.00 min
 Lab File: BF099557.D
 Acq: 16 Oct 2017 21:22

Tgt Ion:244 Resp: 781176
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.1 11.0 16.4

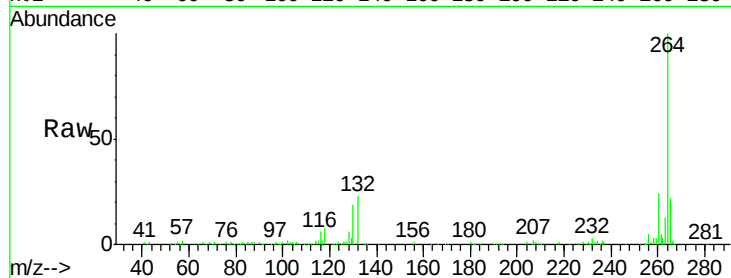




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099557.D
 Acq: 16 Oct 2017 21:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.5	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

