

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099512.D
 Acq On : 15 Oct 2017 14:29
 Operator : SJ/JU
 Sample : I5752-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 01:05:16 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

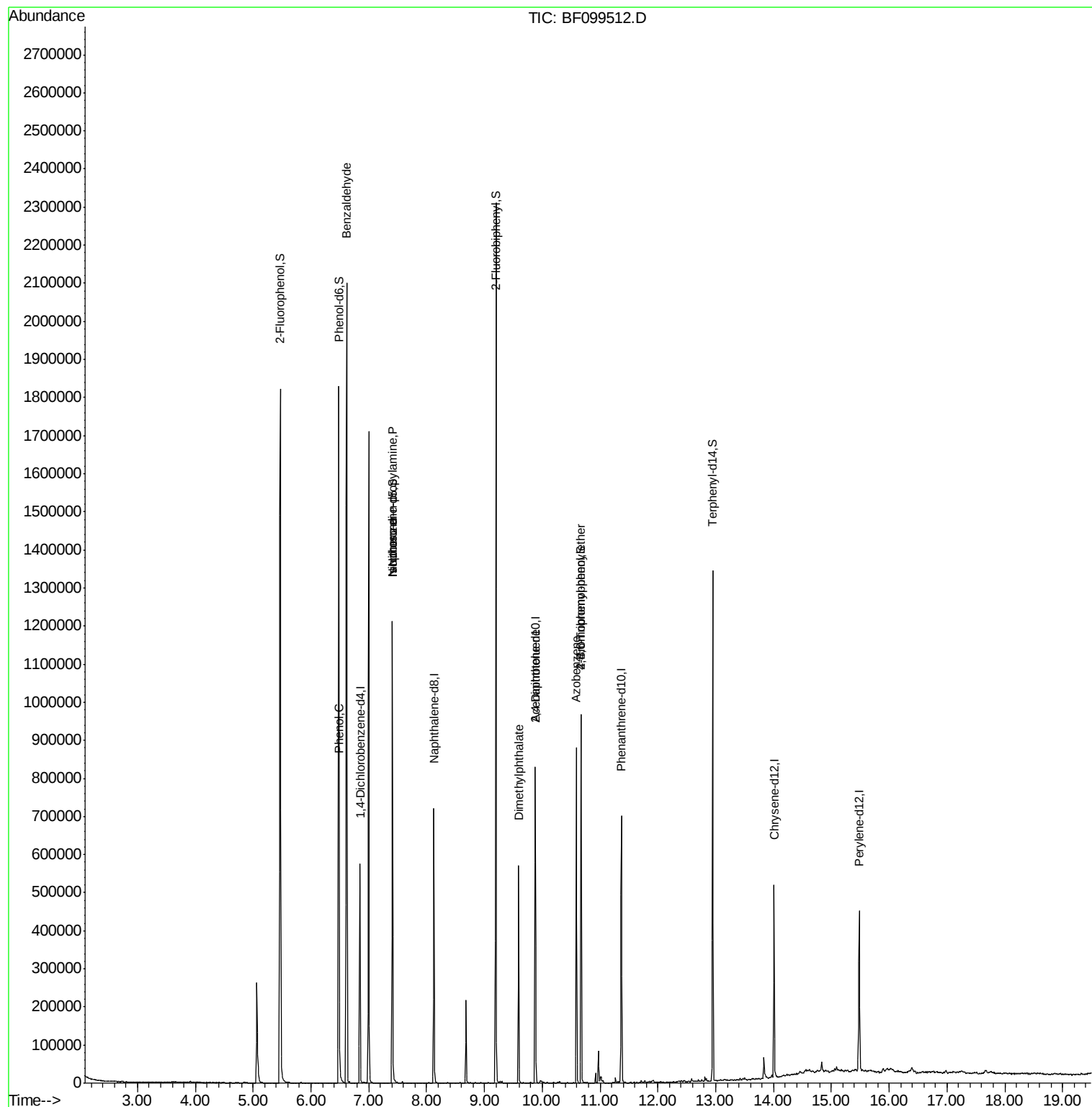
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	89193	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	361733	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	152743	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	228014	20.00	ng	0.00
75) Chrysene-d12	14.01	240	161638	20.00	ng	0.00
86) Perylene-d12	15.48	264	181032	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	560537	100.04	ng	0.00
7) Phenol-d6	6.48	99	652062	94.34	ng	0.00
23) Nitrobenzene-d5	7.41	82	387519	68.70	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	109115	87.30	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	698591	76.35	ng	-0.01
78) Terphenyl-d14	12.95	244	397801	55.97	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	10713	2.67	ng	88
10) Phenol	6.49	94	40958	5.30	ng	95
19) n-Nitroso-di-n-propylamine	7.41	70	47774	10.83	ng	# 72
25) Isophorone	7.41	82	387515	33.23	ng	# 64
49) Dimethylphthalate	9.59	163	208309	18.07	ng	100
56) 2,4-Dinitrotoluene	9.88	165	19202	5.90	ng	# 21
62) Azobenzene	10.59	77	134748	13.01	ng	# 1
66) 4-Bromophenyl-phenylether	10.67	248	7487	3.35	ng	# 1

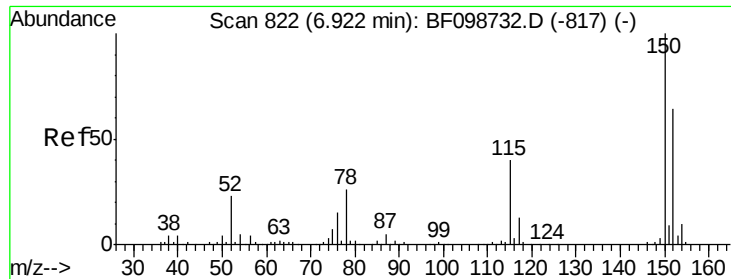
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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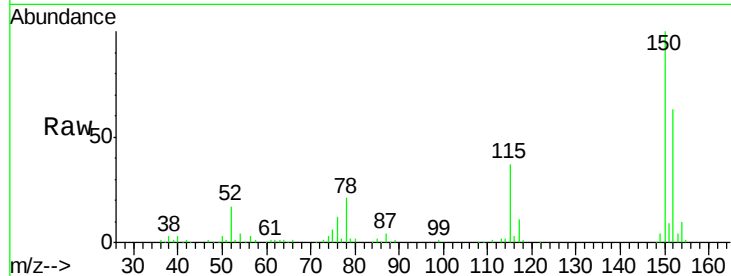


#1

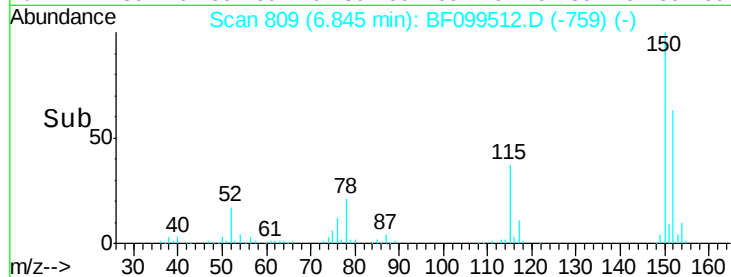
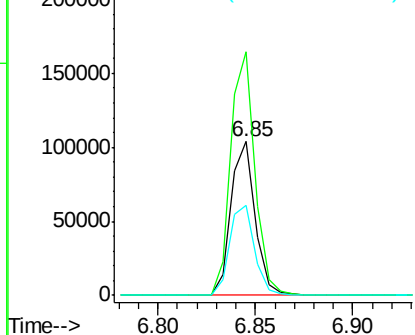
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF099512.D
 Acq: 15 Oct 2017 14:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 89193
 Ion Ratio Lower Upper
 152 100
 150 158.3 124.6 186.8
 115 58.6 50.1 75.1



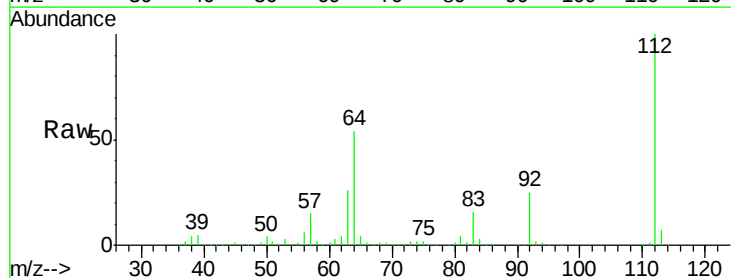
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



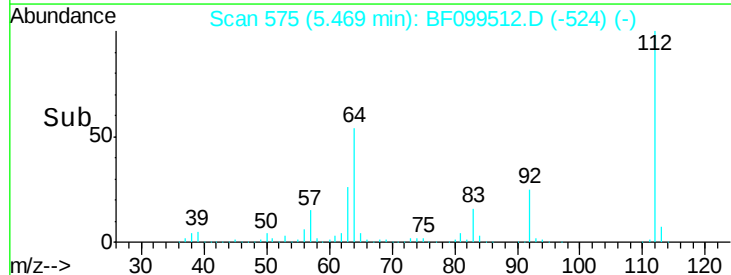
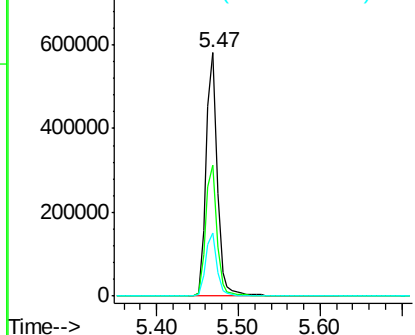
#5

2-Fluorophenol
 Concen: 100.04 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF099512.D
 Acq: 15 Oct 2017 14:29

Tgt Ion:112 Resp: 560537
 Ion Ratio Lower Upper
 112 100
 64 53.6 47.9 71.9
 63 25.9 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: 94.34 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

Instrument :

BNA_F

ClientSampled :

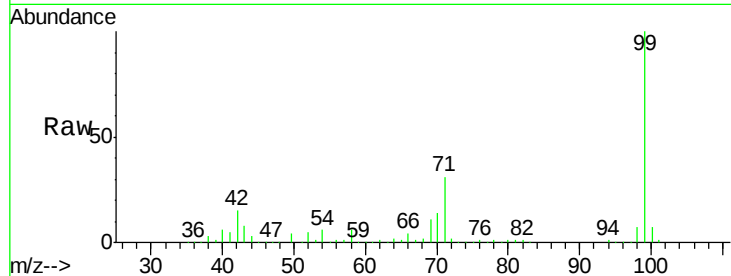
Tot Ion: 99 Resp: 652062

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

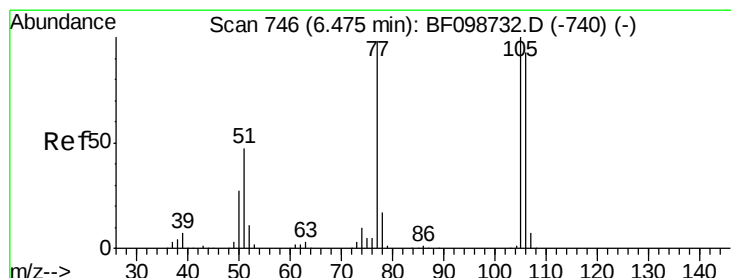
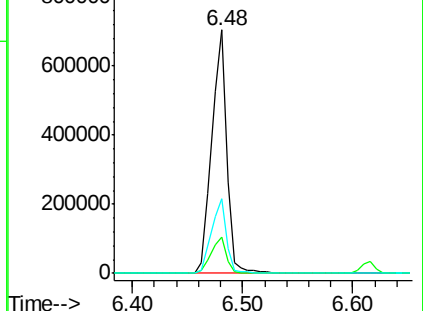
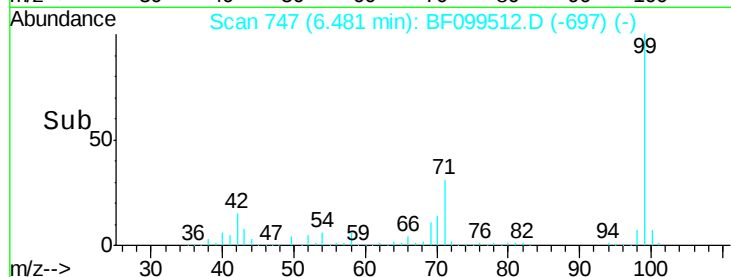
71 30.7 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.67 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

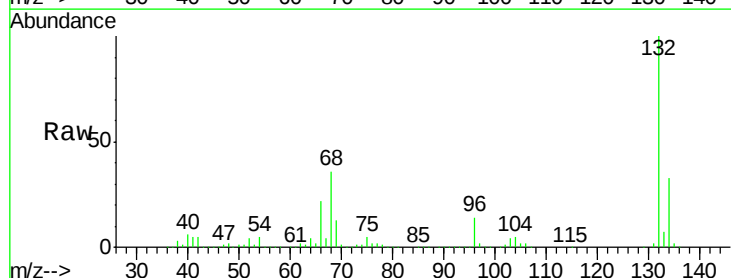
Tgt Ion: 77 Resp: 10713

Ion Ratio Lower Upper

77 100

105 85.9 81.1 121.1

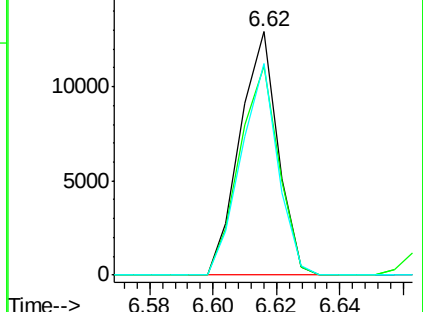
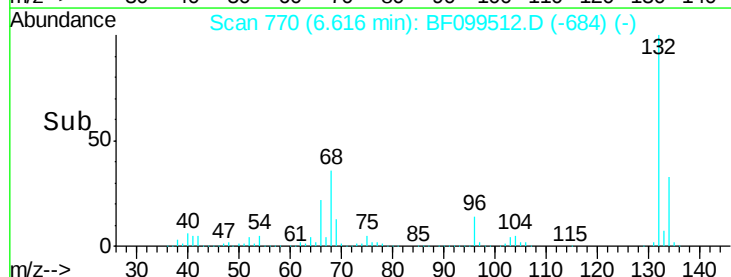
106 86.9 74.5 114.5

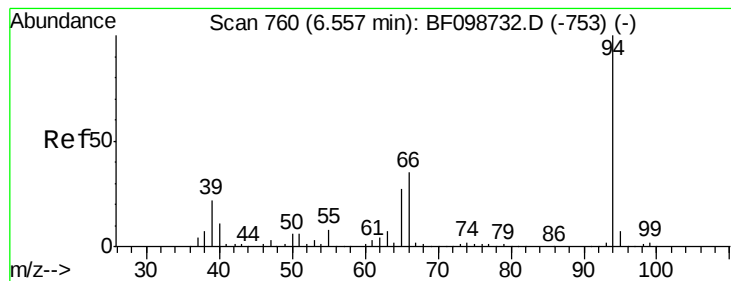


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.30 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

Instrument :

BNA_F

ClientSampleId :

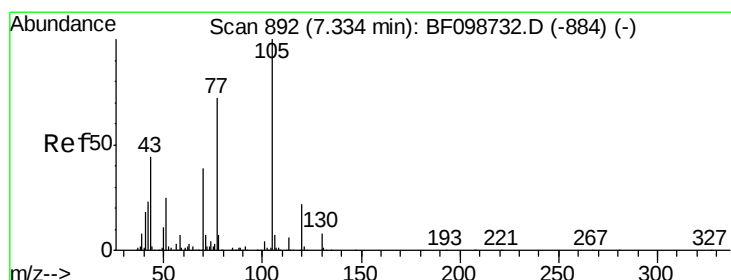
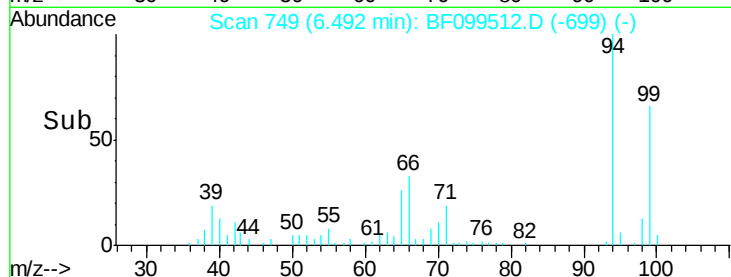
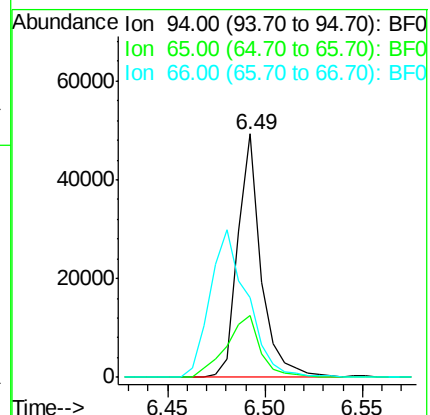
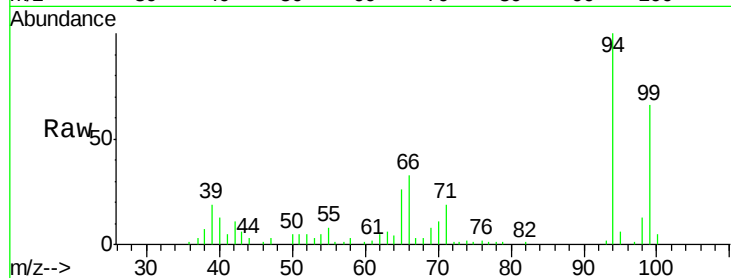
Tot Ion: 94 Resp: 40958

Ion Ratio Lower Upper

94 100

65 25.6 7.9 47.9

66 32.7 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.83 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

Tgt Ion: 70 Resp: 47774

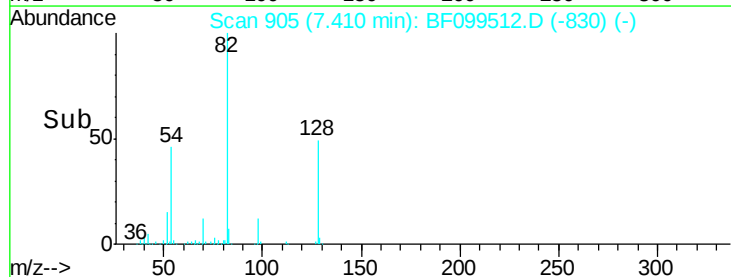
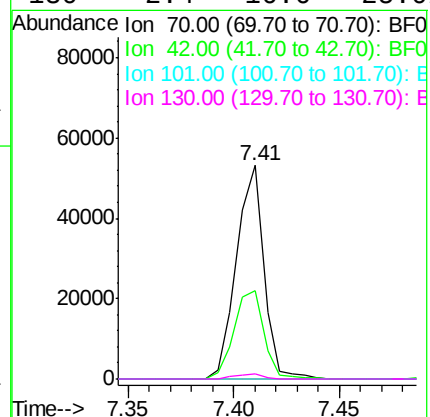
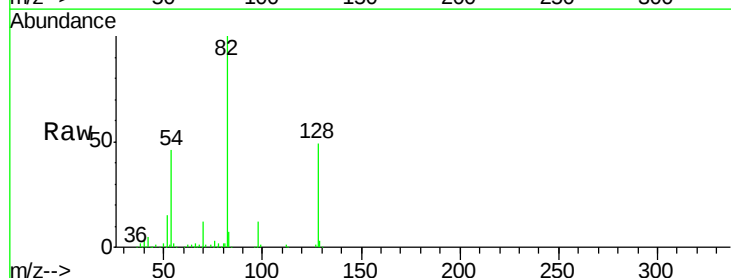
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

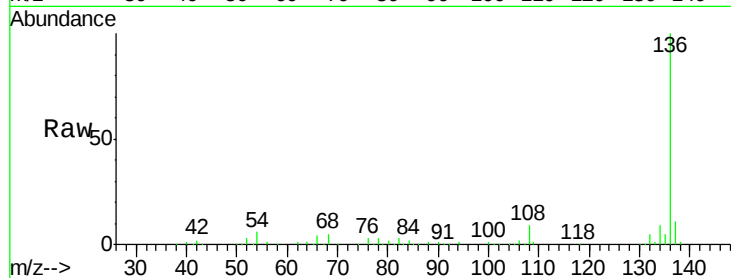




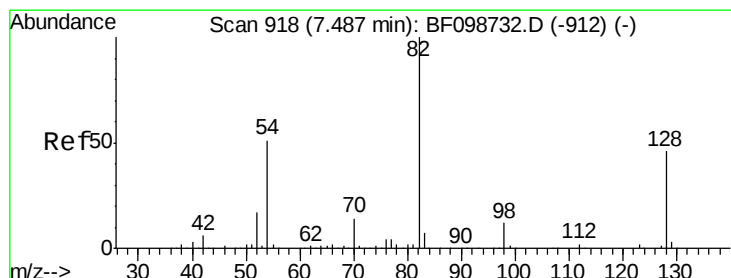
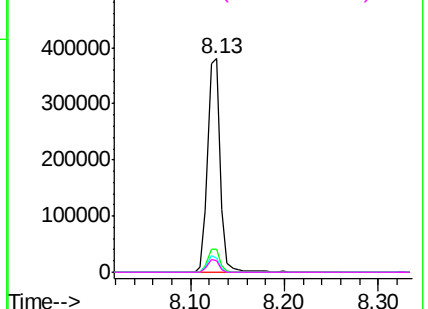
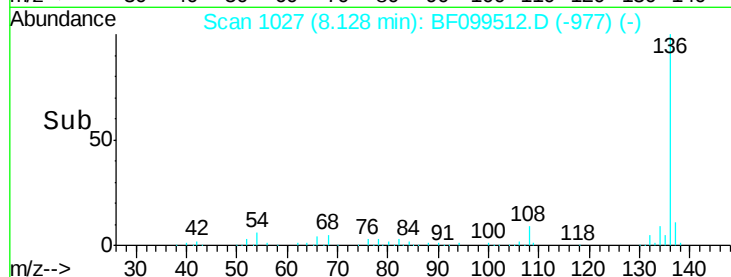
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099512.D
Acq: 15 Oct 2017 14:29

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	361733
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	6.4	6.6 9.8#
68	5.5	5.0 7.4

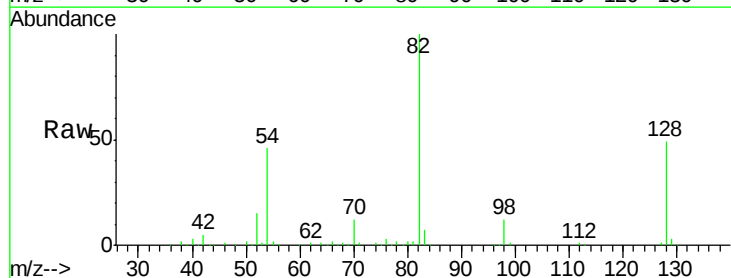


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

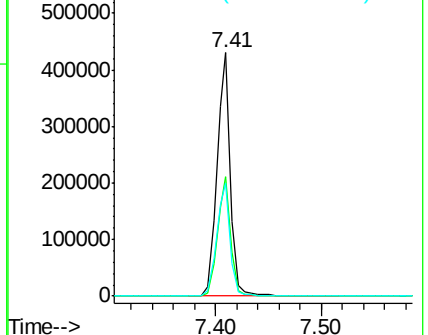
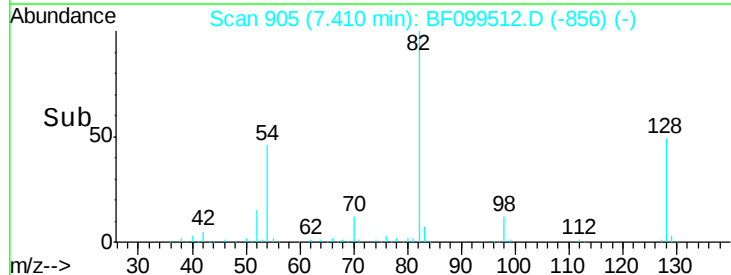


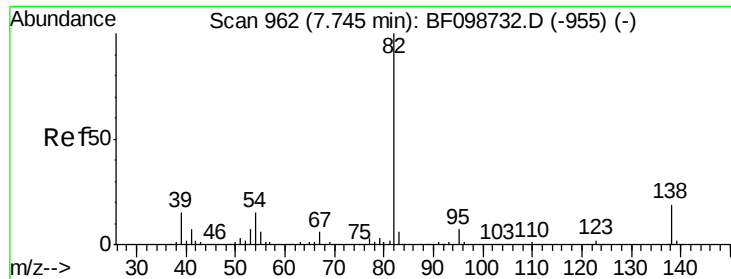
#23
Nitrobenzene-d5
Concen: 68.70 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099512.D
Acq: 15 Oct 2017 14:29

Tgt Ion: 82	Resp:	387519
Ion Ratio	Lower	Upper
82	100	
128	48.9	36.1 54.1
54	46.2	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: 33.23 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

Instrument :

BNA_F

ClientSampleID :

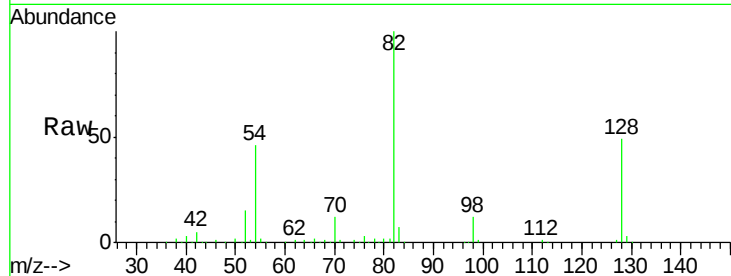
Tot Ion: 82 Resp: 387515

Ion Ratio Lower Upper

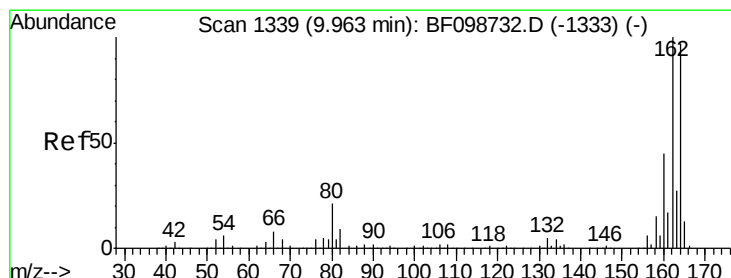
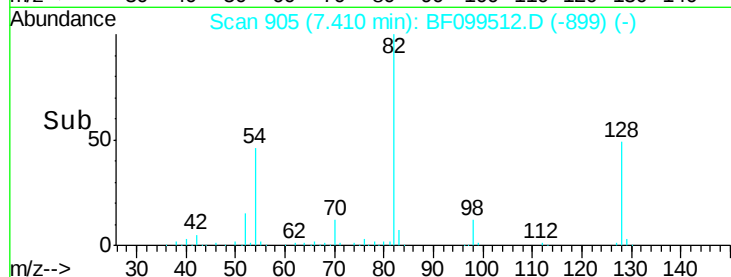
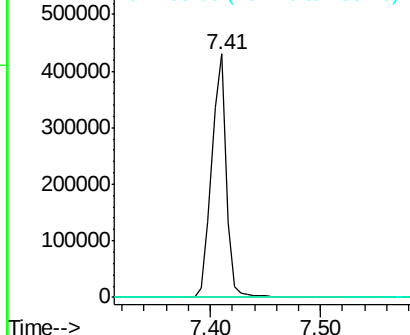
82 100

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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

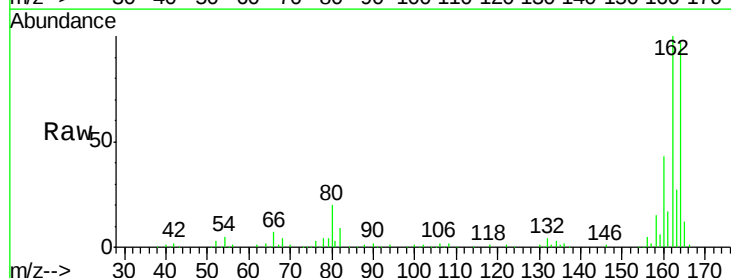
Tgt Ion: 164 Resp: 152743

Ion Ratio Lower Upper

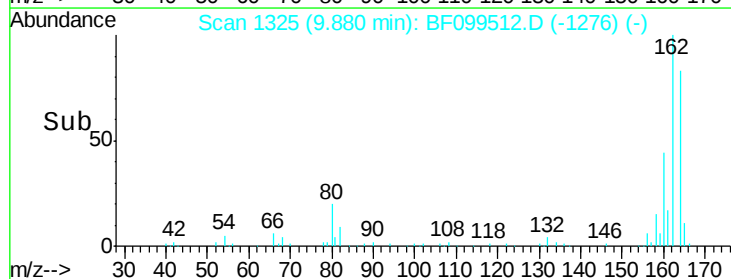
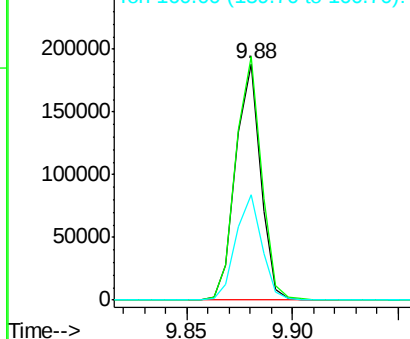
164 100

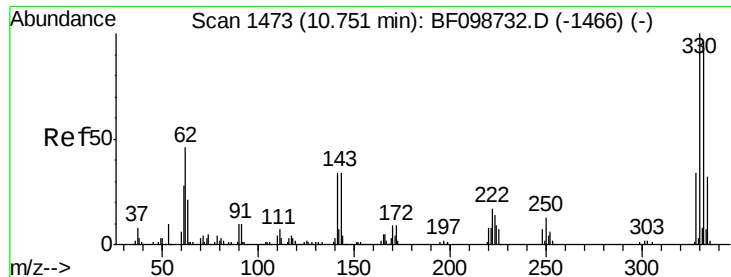
162 103.0 86.1 129.1

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

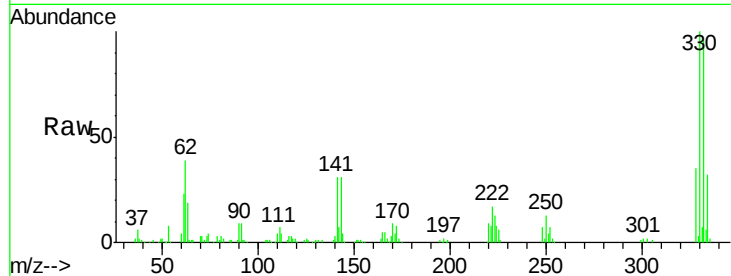




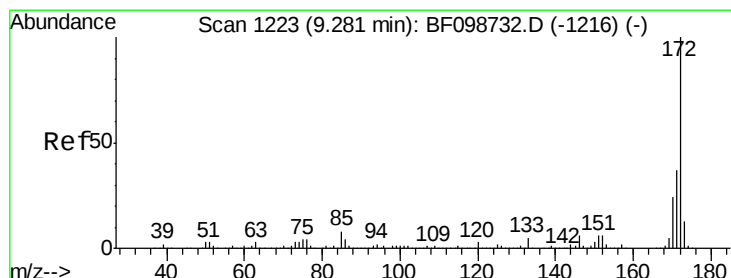
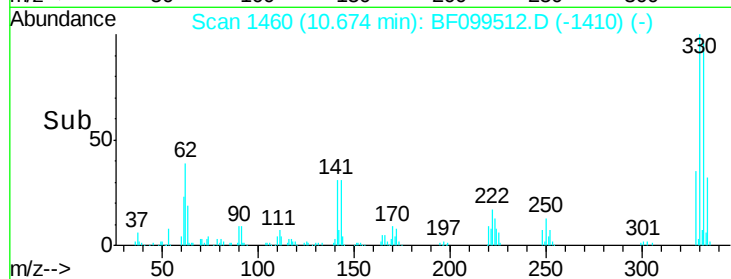
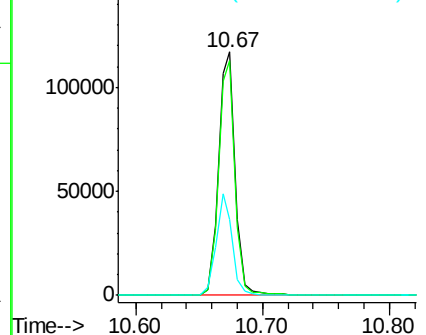
#41
 2,4,6-Tribromophenol
 Concen: 87.30 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099512.D
 Acq: 15 Oct 2017 14:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	39.6	29.9	44.9

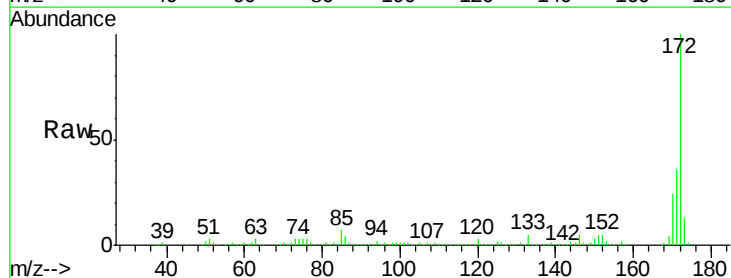


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

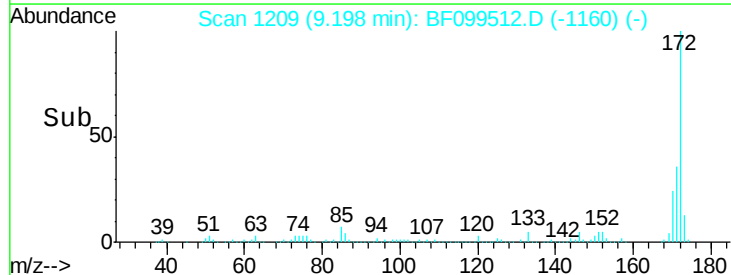
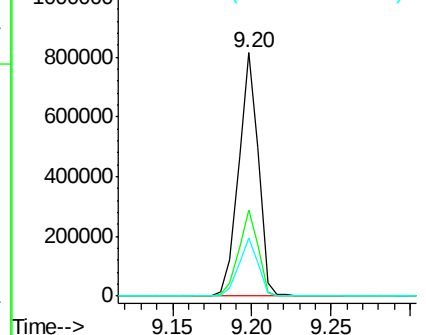


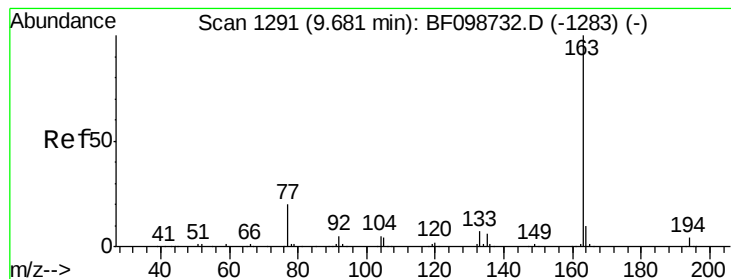
#44
 2-Fluorobiphenyl
 Concen: 76.35 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099512.D
 Acq: 15 Oct 2017 14:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.7	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: 18.07 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

Instrument :

BNA_F

ClientSampleId :

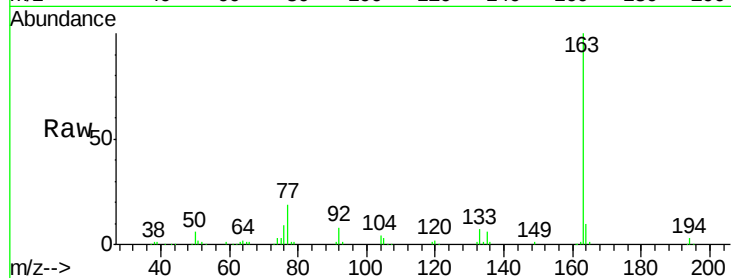
Tot Ion:163 Resp: 208309

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

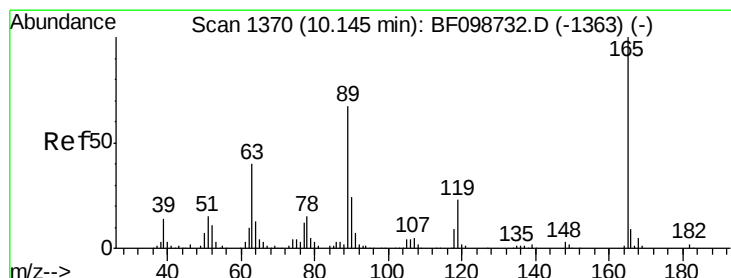
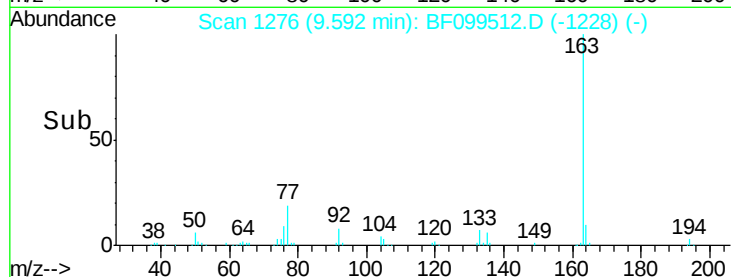
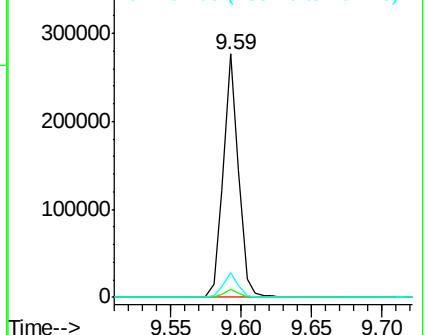
164 10.4 8.2 12.2



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: 5.90 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.21 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

Tgt Ion:165 Resp: 19202

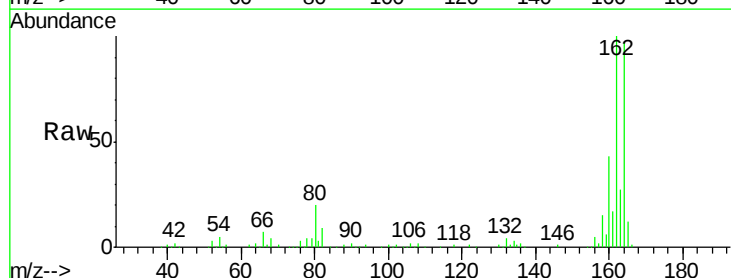
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

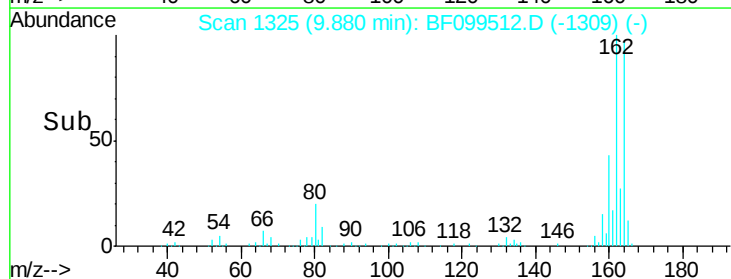
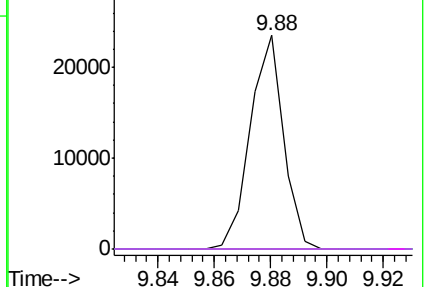


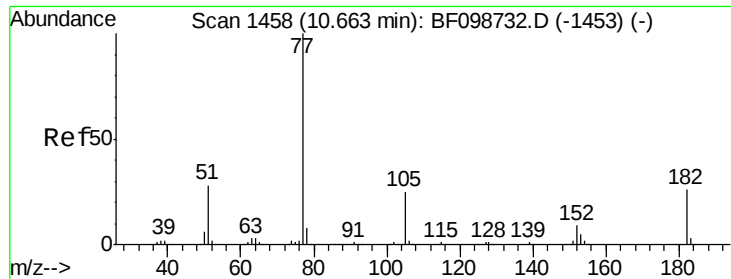
Abundance Ion 165.00 (164.70 to 165.70): E

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

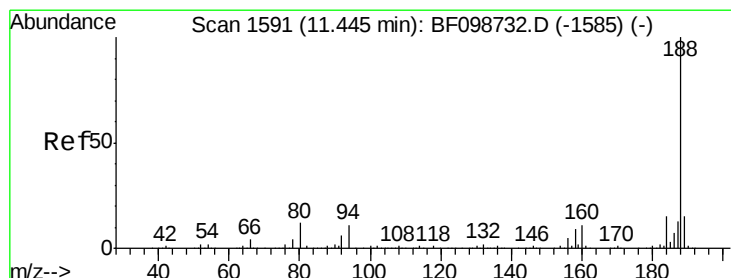
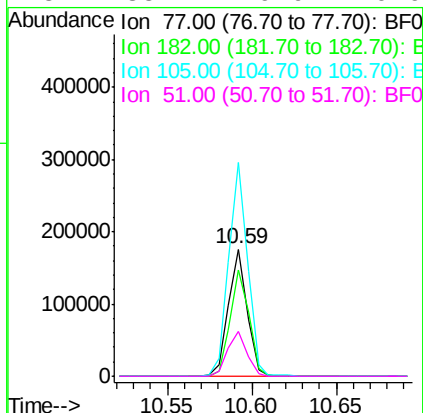
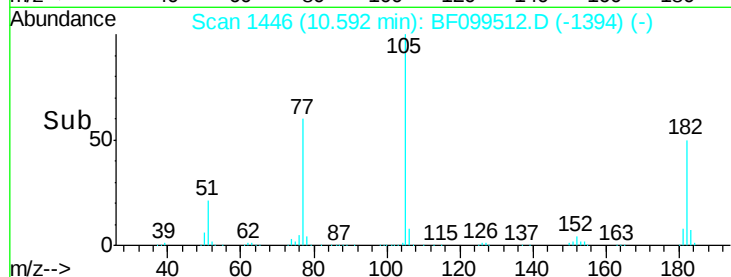
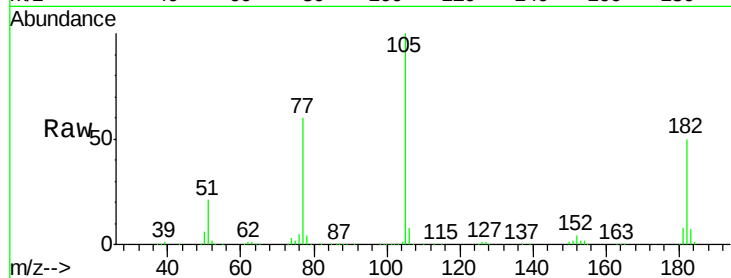




#62
Azobenzene
Concen: 13.01 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF099512.D
Acq: 15 Oct 2017 14:29

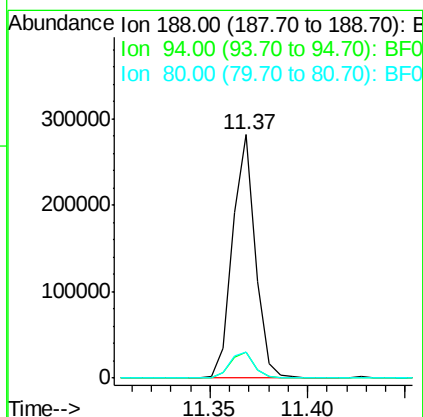
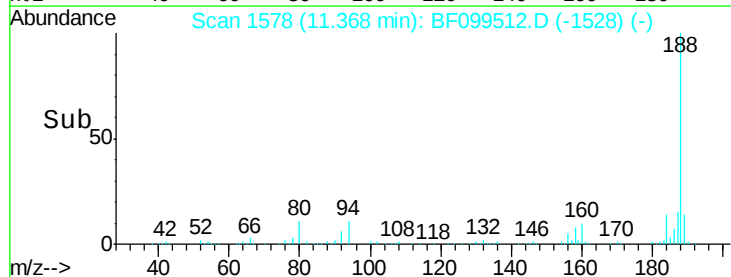
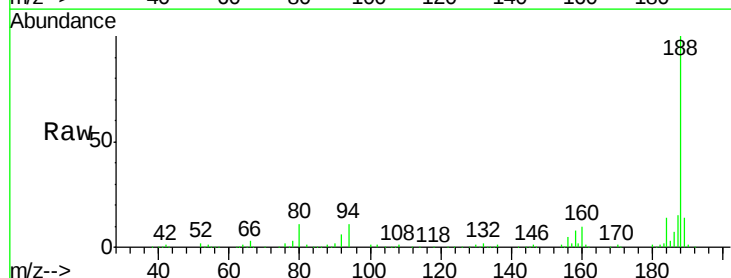
Instrument :
BNA_F
ClientSampleId :

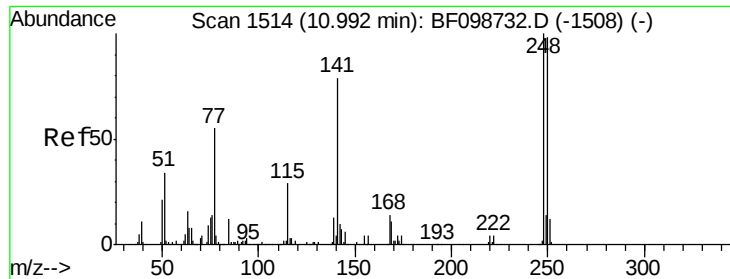
Tot Ion: 77 Resp: 134748
Ion Ratio Lower Upper
77 100
182 83.1 1.7 41.7#
105 167.8 3.0 43.0#
51 35.1 9.9 49.9



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099512.D
Acq: 15 Oct 2017 14:29

Tgt Ion: 188 Resp: 228014
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 10.9 9.2 13.8

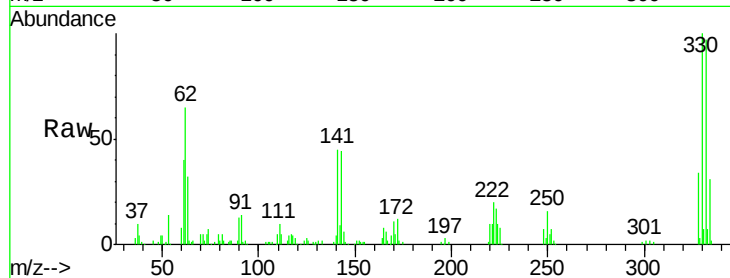




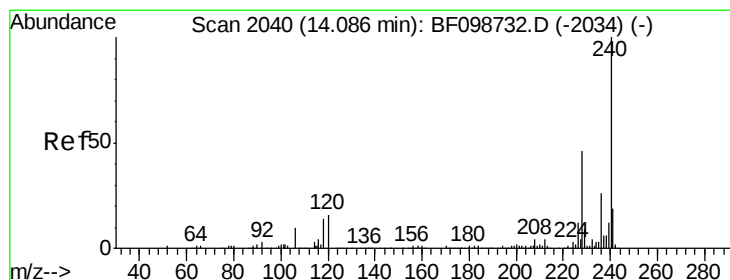
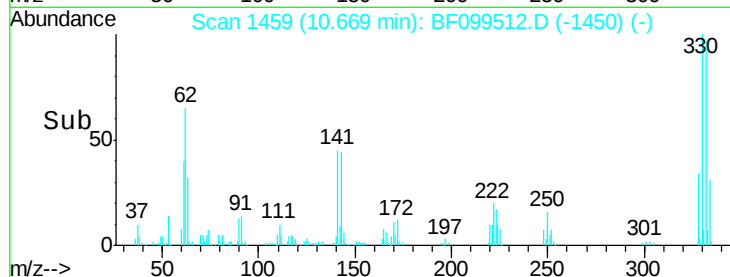
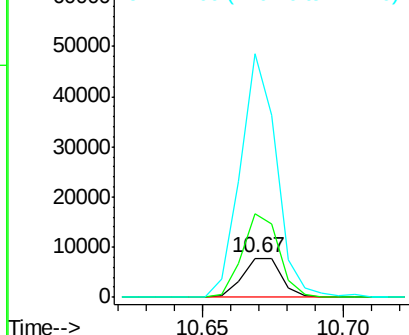
#66
 4-Bromophenyl-phenylether
 Concen: 3.35 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF099512.D
 Acq: 15 Oct 2017 14:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 7487
 Ion Ratio Lower Upper
 248 100
 250 214.8 76.9 115.3#
 141 622.2 74.4 111.6#

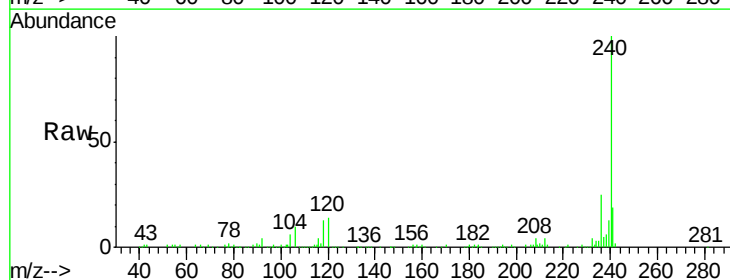


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

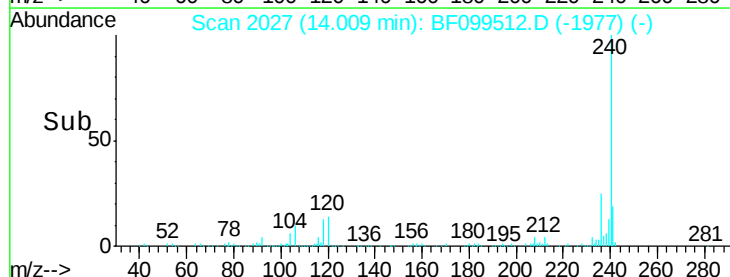
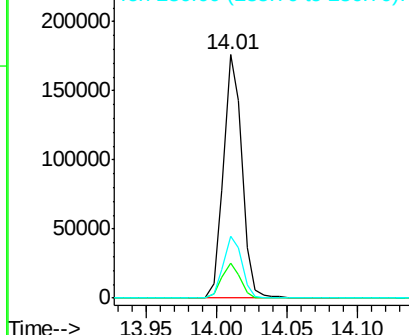


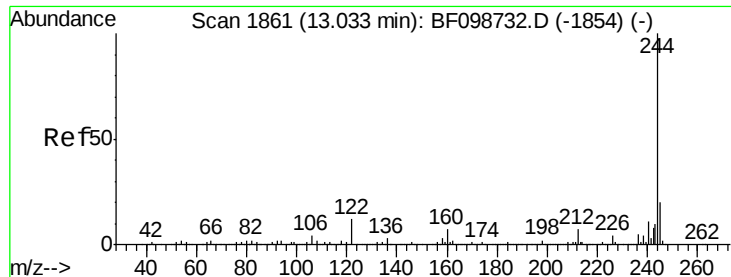
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF099512.D
 Acq: 15 Oct 2017 14:29

Tgt Ion:240 Resp: 161638
 Ion Ratio Lower Upper
 240 100
 120 14.5 9.5 14.3#
 236 25.2 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: 55.97 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

Instrument :

BNA_F

ClientSampleId :

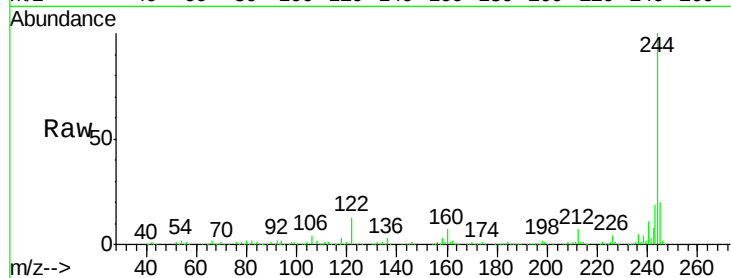
Tot Ion:244 Resp: 397801

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

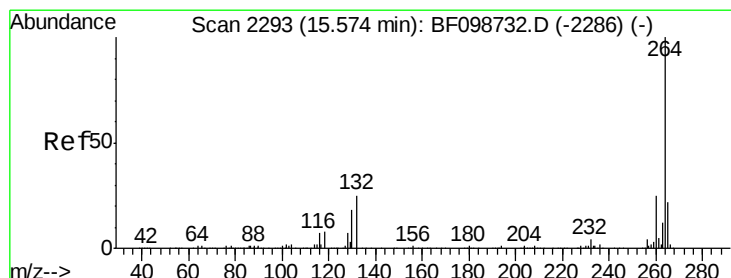
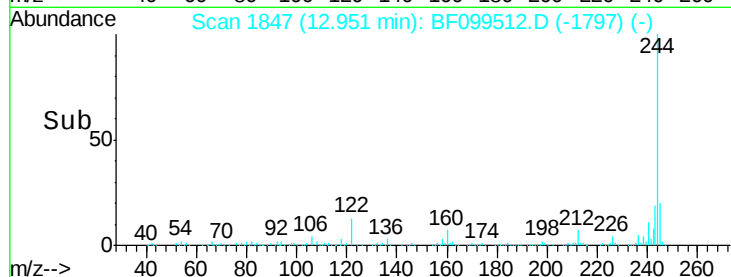
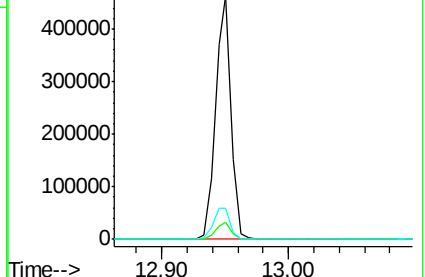
122 13.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BF099512.D

Acq: 15 Oct 2017 14:29

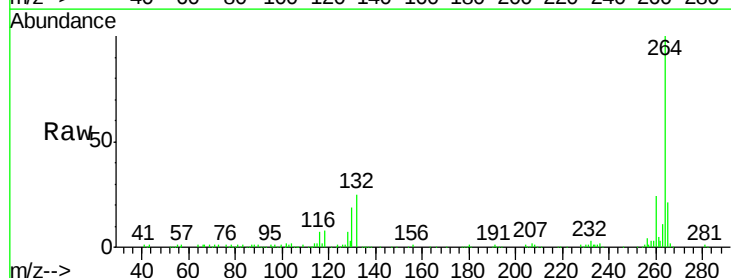
Tgt Ion:264 Resp: 181032

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 20.8 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

