

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101317\
 Data File : BF099451.D
 Acq On : 13 Oct 2017 20:40
 Operator : SJ/JU
 Sample : I5819-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 13 22:53:24 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

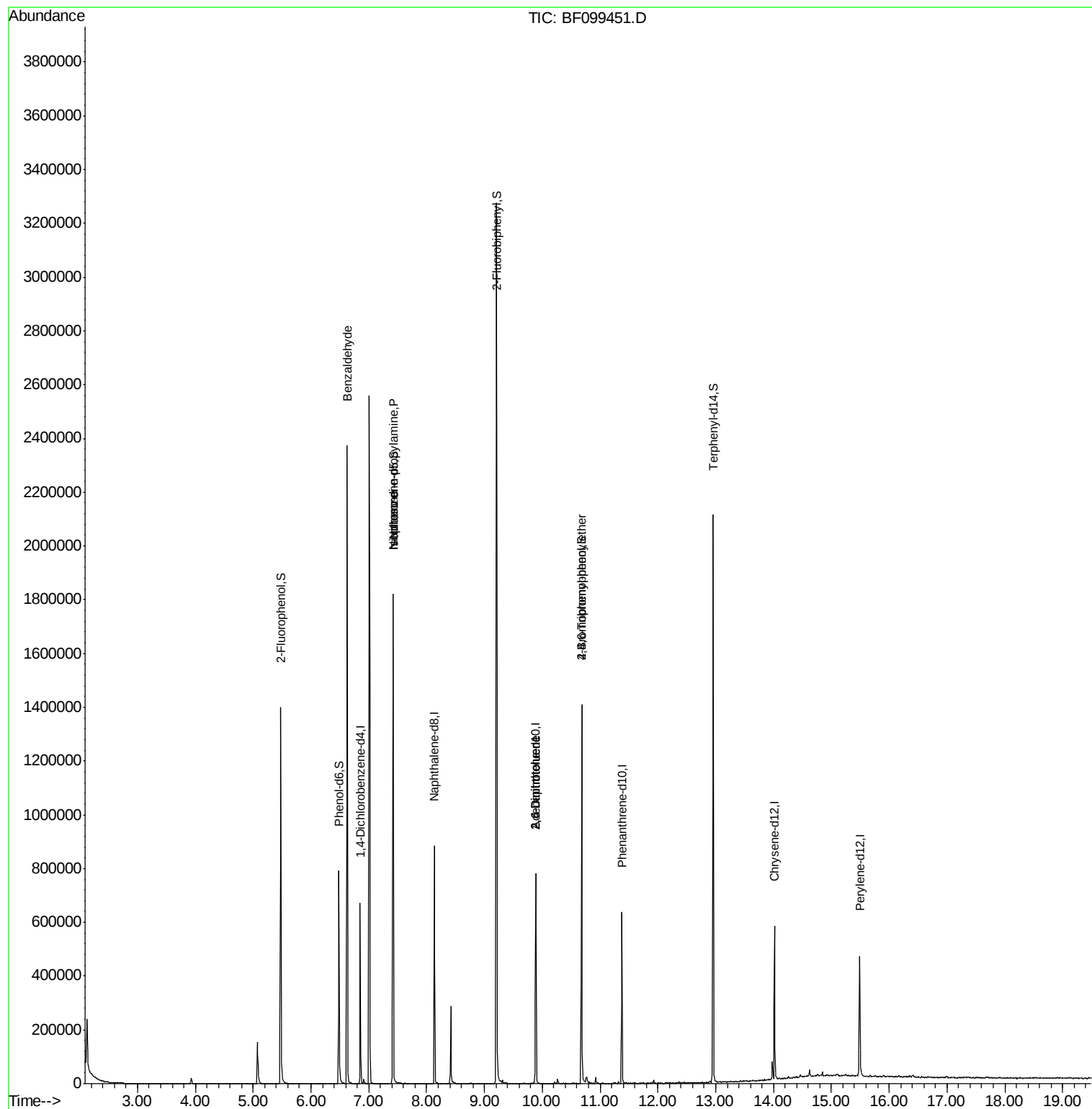
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	97259	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	379564	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	149679	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	216892	20.00	ng	0.00
75) Chrysene-d12	14.02	240	181890	20.00	ng	0.00
86) Perylene-d12	15.49	264	201826	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	410874	67.25	ng	0.00
7) Phenol-d6	6.48	99	292812	38.85	ng	0.00
23) Nitrobenzene-d5	7.42	82	631263	106.66	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	166302	135.78	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1098164	122.48	ng	0.00
78) Terphenyl-d14	12.96	244	700513	87.59	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	13462	3.08	ng	Qvalue 84
19) n-Nitroso-di-n-propylamine	7.42	70	80106	16.65	ng	# 74
25) Isophorone	7.42	82	631255	51.59	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	18936	7.70	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	18936	5.93	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	11028	5.19	ng	# 1

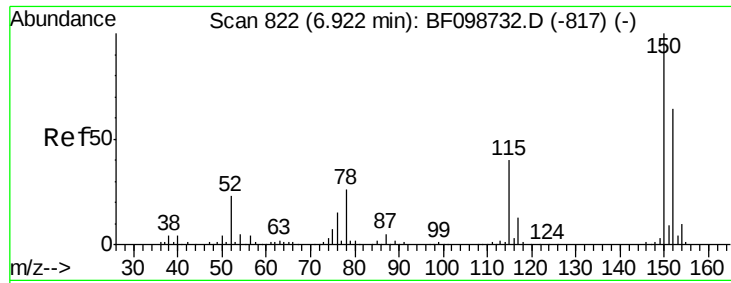
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

Instrument :

BNA_F

ClientSampled :

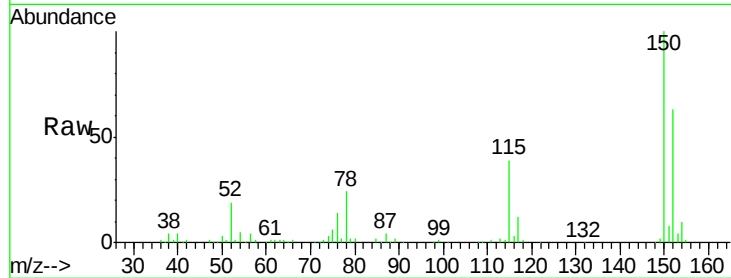
Tot Ion:152 Resp: 97259

Ion Ratio Lower Upper

152 100

150 158.1 124.6 186.8

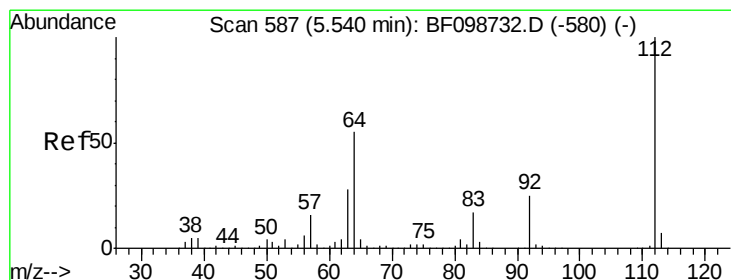
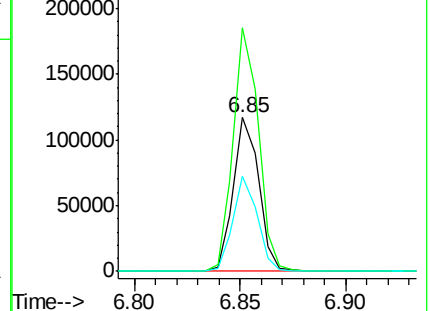
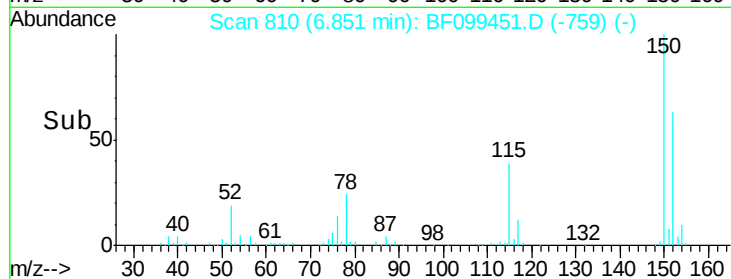
115 61.9 50.1 75.1



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: 67.25 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

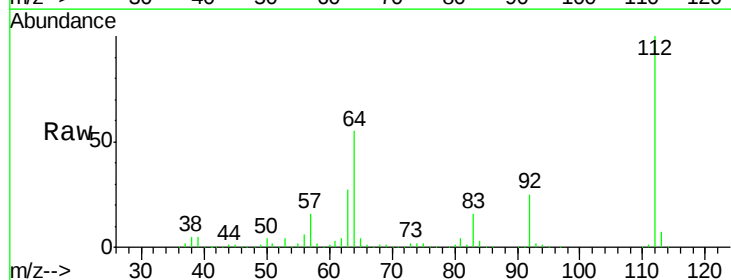
Tgt Ion:112 Resp: 410874

Ion Ratio Lower Upper

112 100

64 55.4 47.9 71.9

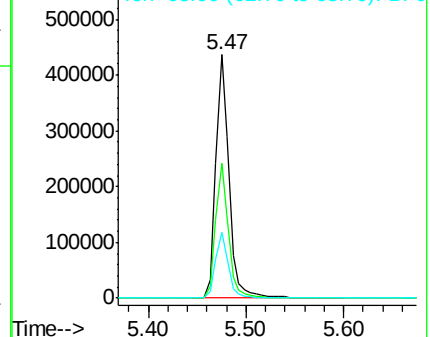
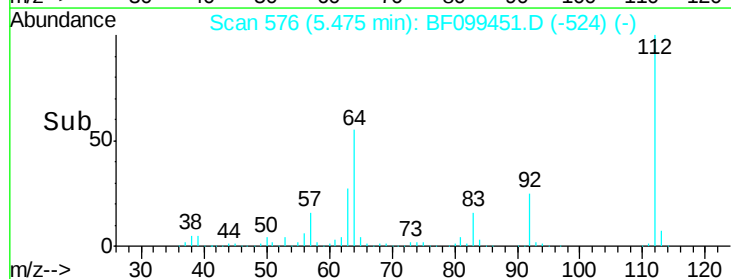
63 26.7 23.7 35.5



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: 38.85 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

Instrument :

BNA_F

ClientSampleId :

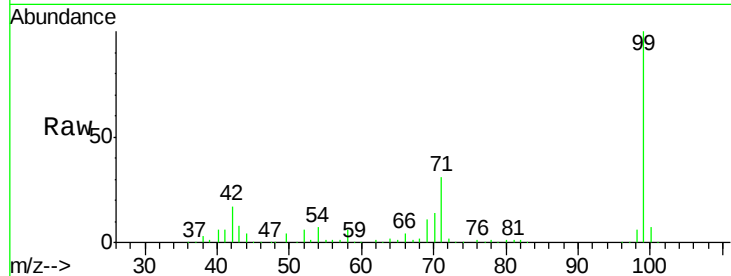
Tot Ion: 99 Resp: 292812

Ion Ratio Lower Upper

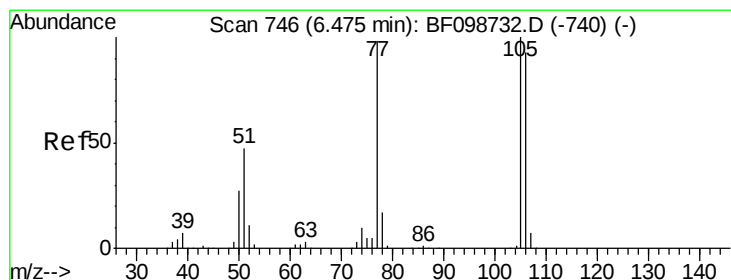
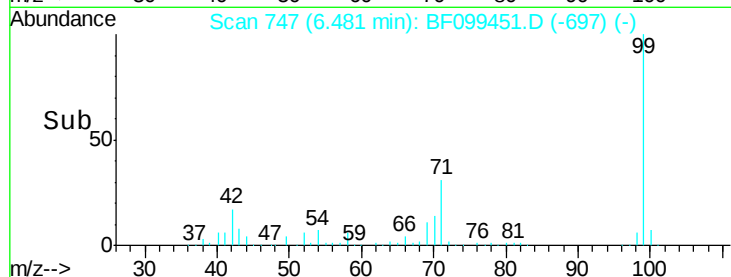
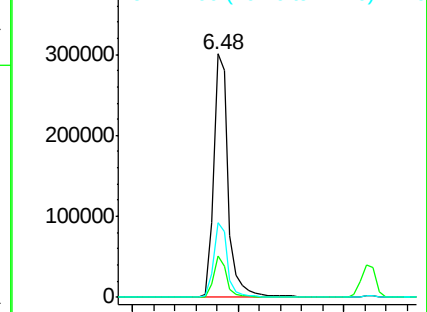
99 100

42 16.8 14.5 21.7

71 30.6 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



#9

Benzaldehyde

Concen: 3.08 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

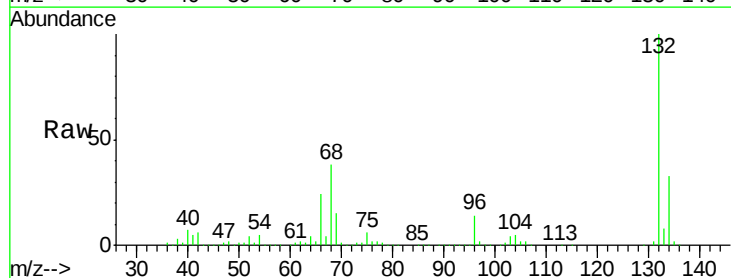
Tgt Ion: 77 Resp: 13462

Ion Ratio Lower Upper

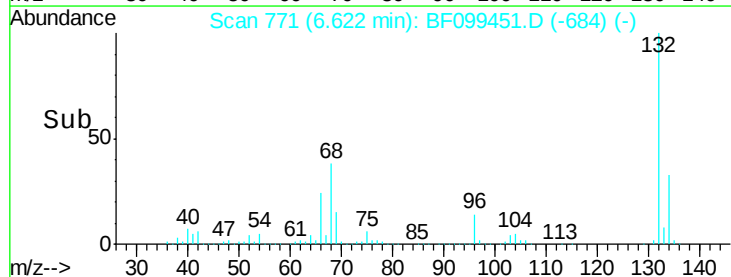
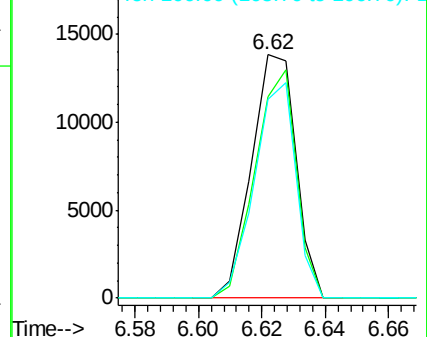
77 100

105 82.6 81.1 121.1

106 81.8 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

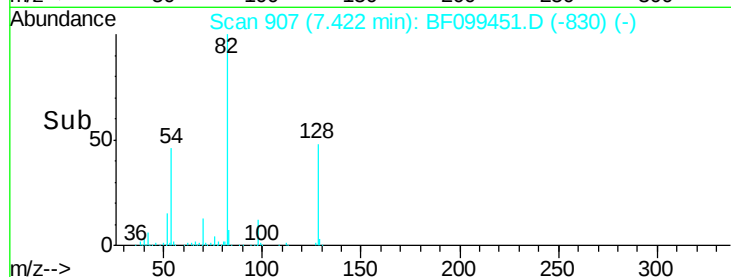
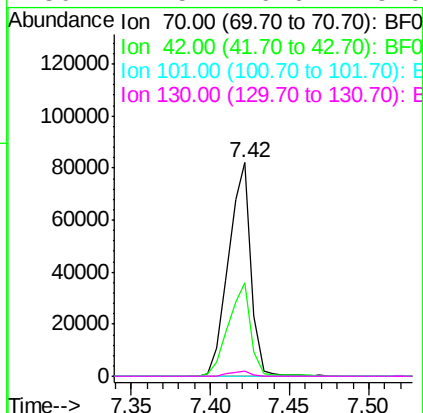
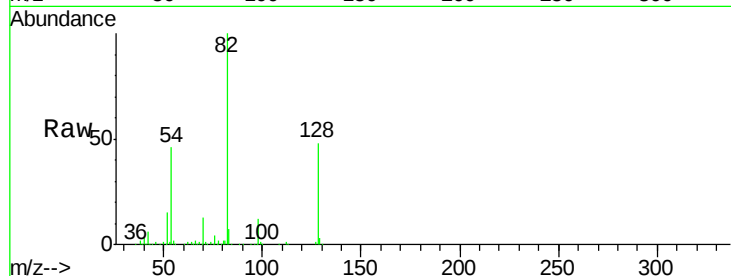




#19
n-Nitroso-di-n-propylamine
Concen: 16.65 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.15 min
Lab File: BF099451.D
Acq: 13 Oct 2017 20:40

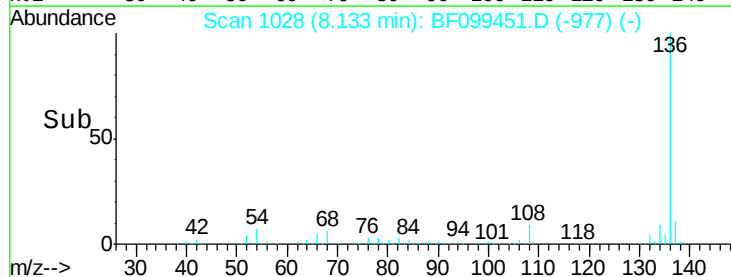
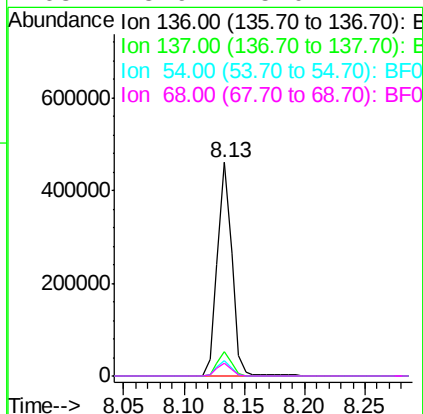
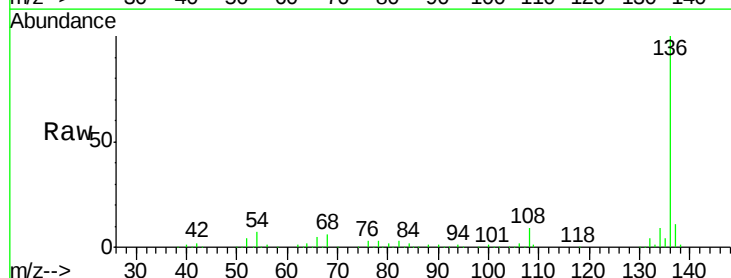
Instrument :
BNA_F
ClientSampleId :

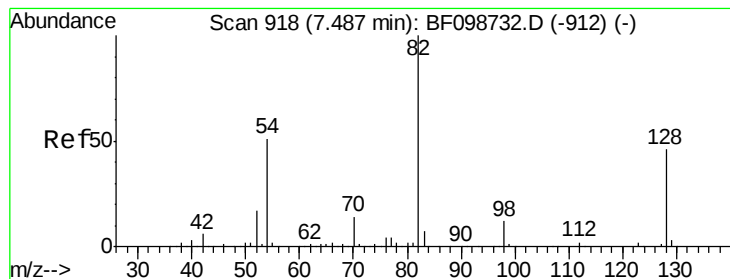
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.6	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF099451.D
Acq: 13 Oct 2017 20:40

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.4	6.6	9.8
68	5.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 106.66 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

Instrument :

BNA_F

ClientSampled :

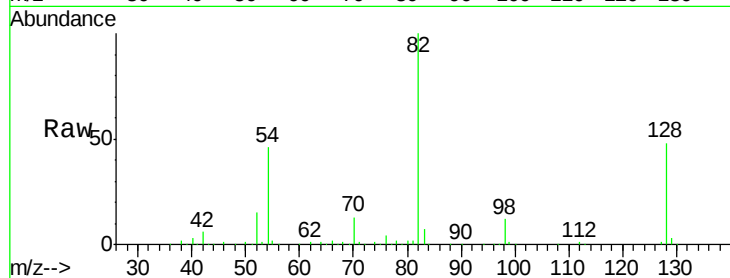
Tot Ion: 82 Resp: 631263

Ion Ratio Lower Upper

82 100

128 48.3 36.1 54.1

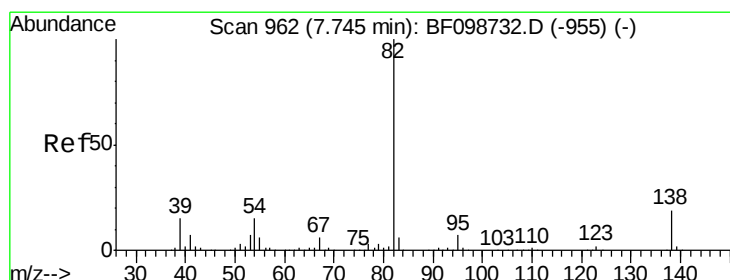
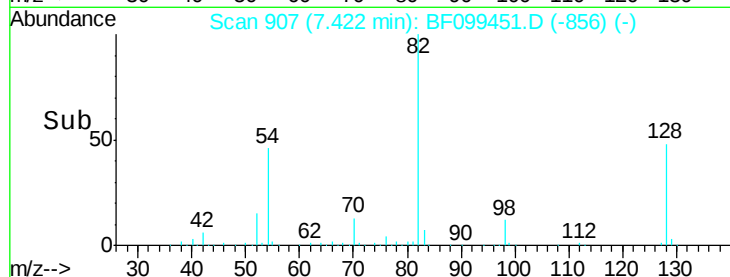
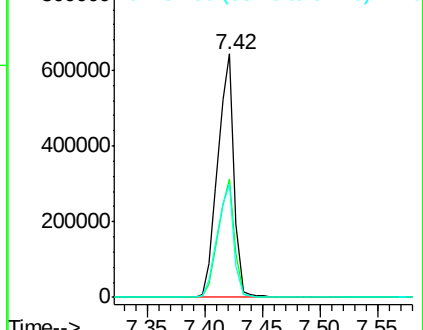
54 46.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 51.59 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

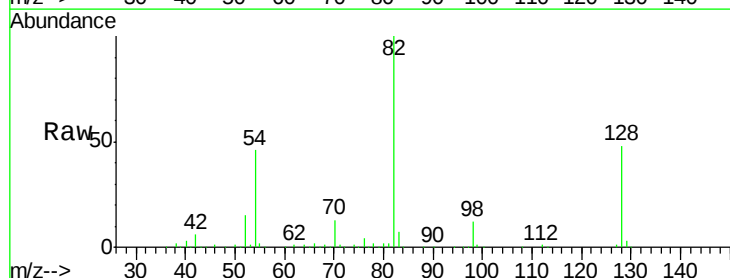
Tgt Ion: 82 Resp: 631255

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

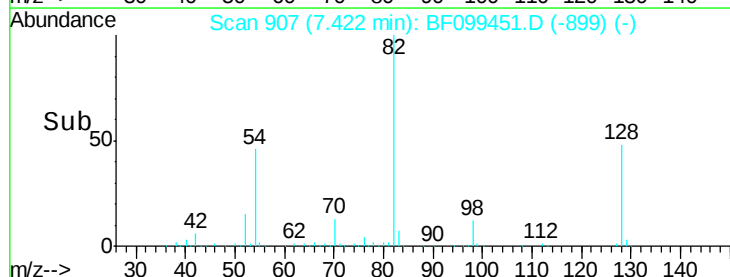
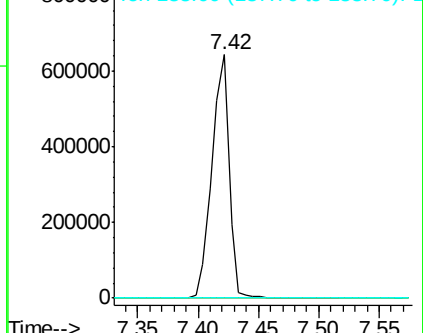
138 0.0 14.9 22.3#



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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

Instrument :

BNA_F

ClientSampleId :

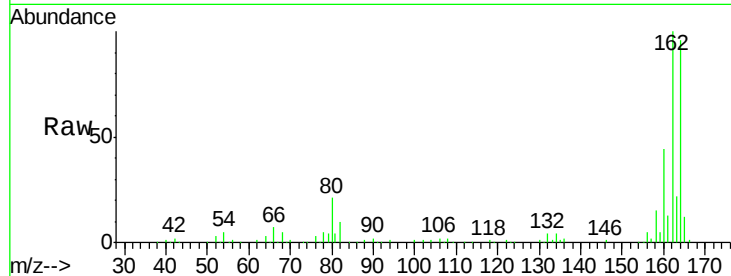
Tot Ion:164 Resp: 149679

Ion Ratio Lower Upper

164 100

162 103.7 86.1 129.1

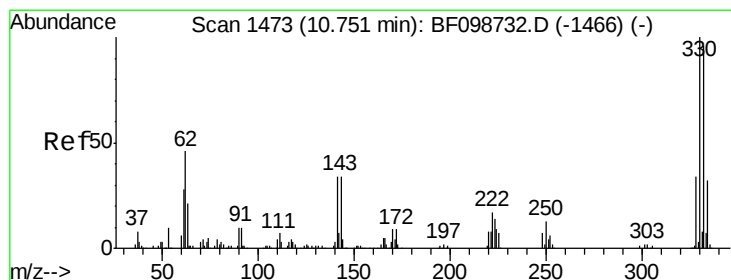
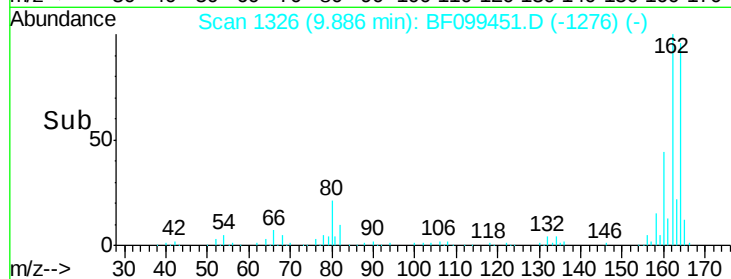
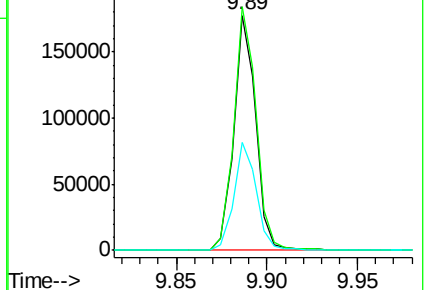
160 46.1 38.3 57.5



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: 135.78 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.00 min

Lab File: BF099451.D

Acq: 13 Oct 2017 20:40

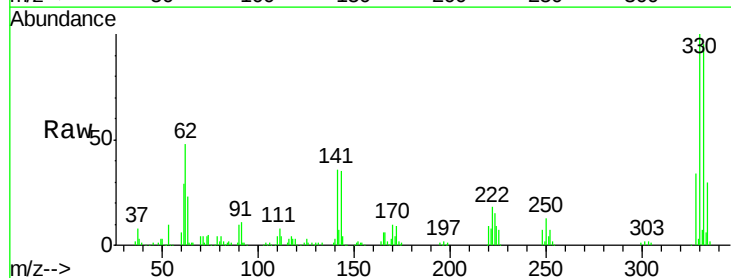
Tgt Ion:330 Resp: 166302

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

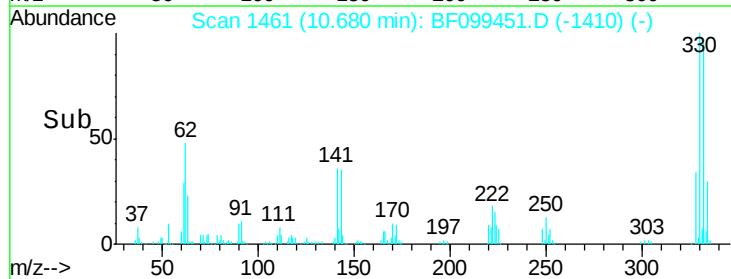
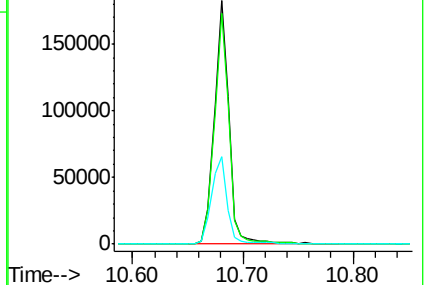
141 38.0 29.9 44.9

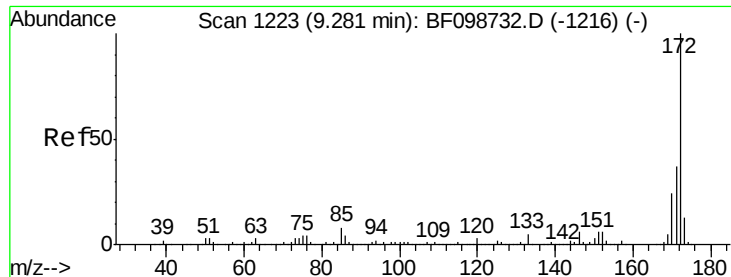


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



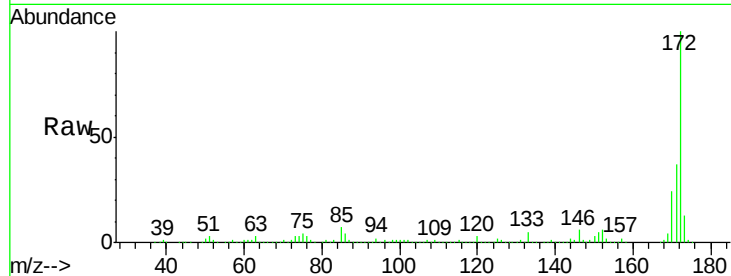


#44
 2-Fluorobiphenyl
 Concen: 122.48 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.00 min
 Lab File: BF099451.D
 Acq: 13 Oct 2017 20:40

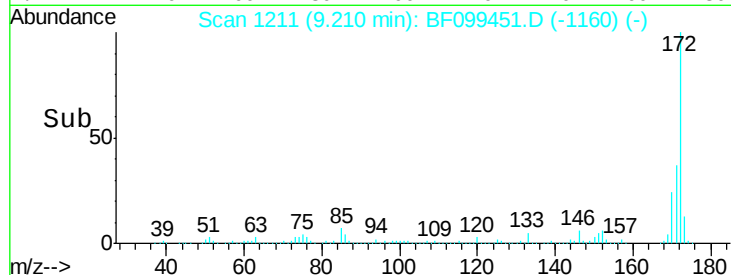
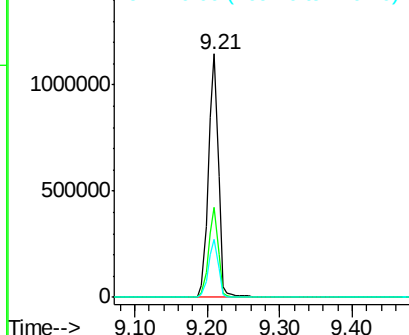
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1098164

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	23.9	19.6	29.4



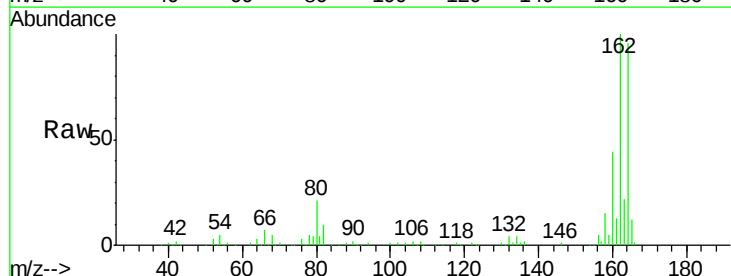
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



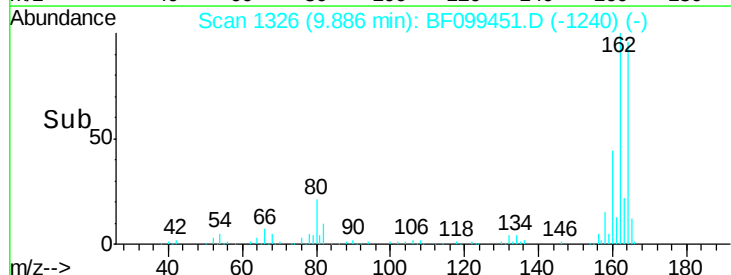
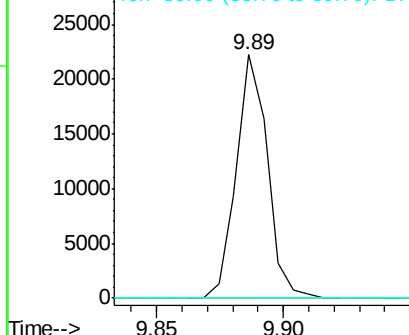
#50
 2,6-Dinitrotoluene
 Concen: 7.70 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099451.D
 Acq: 13 Oct 2017 20:40

Tgt Ion:165 Resp: 18936

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

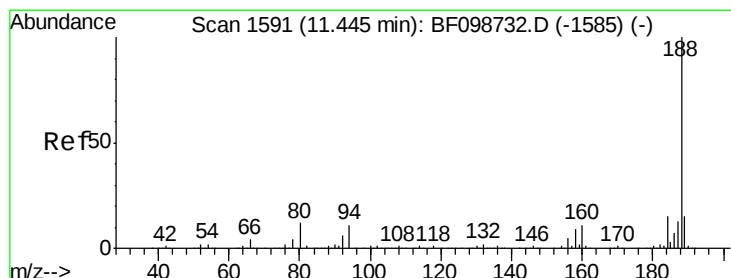
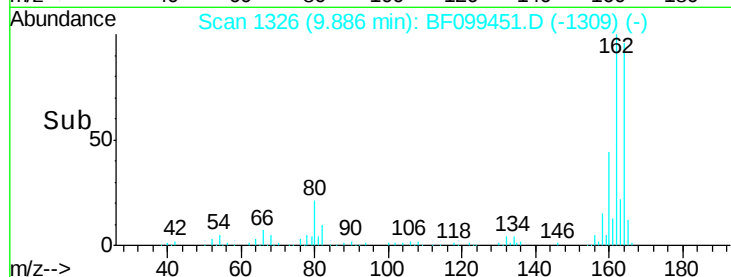
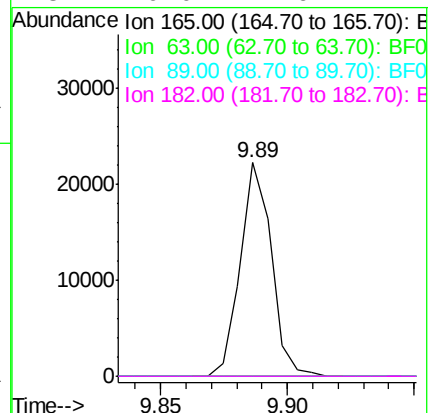
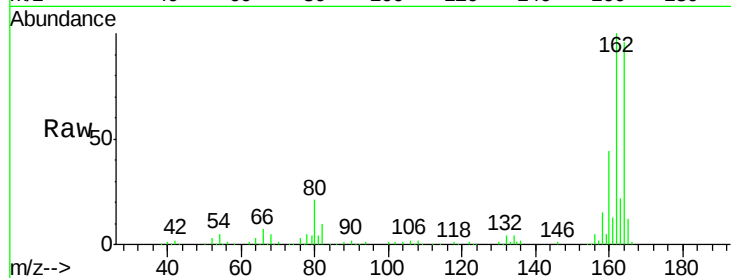




#56
 2,4-Dinitrotoluene
 Concen: 5.93 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.20 min
 Lab File: BF099451.D
 Acq: 13 Oct 2017 20:40

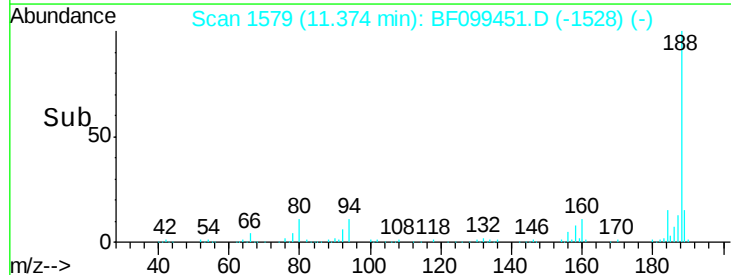
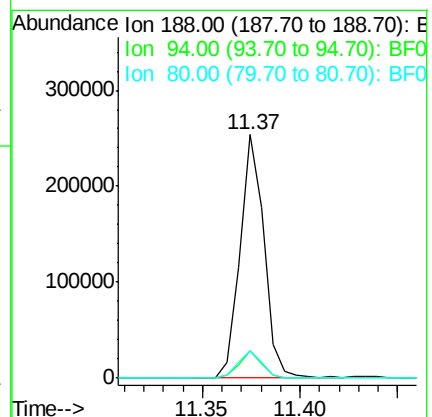
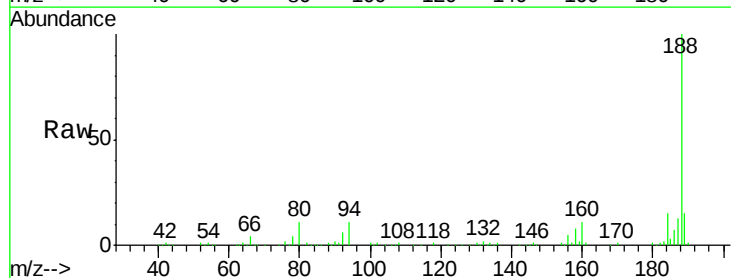
Instrument :
 BNA_F
 ClientSampleId :

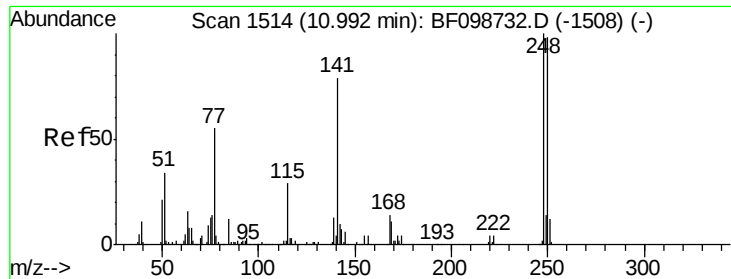
Tot Ion:165	Resp:	18936
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.00 min
 Lab File: BF099451.D
 Acq: 13 Oct 2017 20:40

Tgt Ion:188	Resp:	216892
Ion Ratio	Lower	Upper
188	100	
94	11.1	8.5 12.7
80	11.3	9.2 13.8

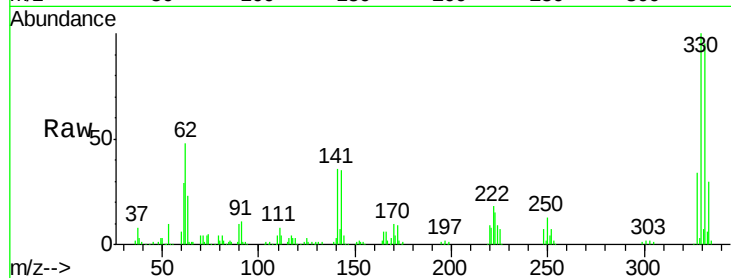




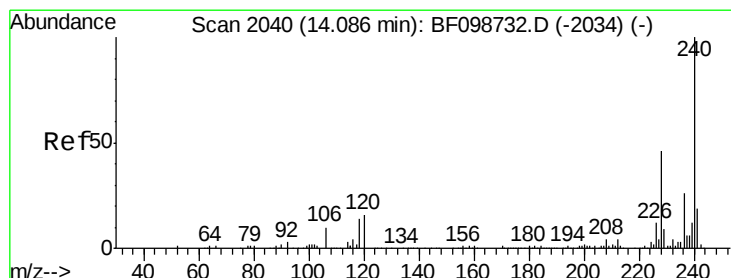
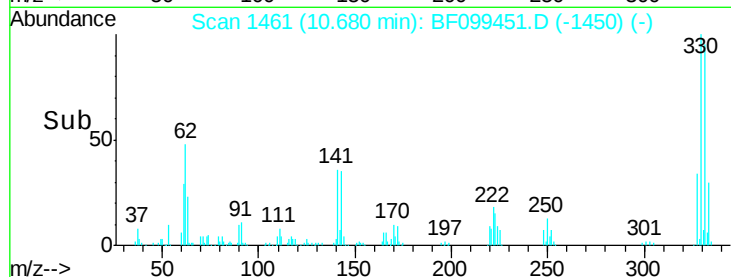
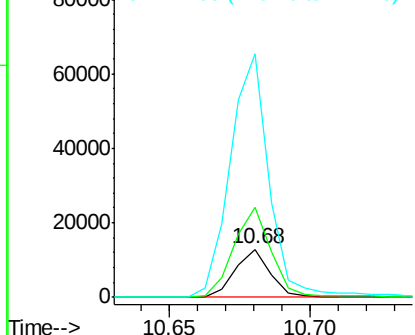
#66
4-Bromophenyl-phenylether
Concen: 5.19 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099451.D
Acq: 13 Oct 2017 20:40

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11028
Ion Ratio Lower Upper
248 100
250 187.7 76.9 115.3#
141 504.7 74.4 111.6#

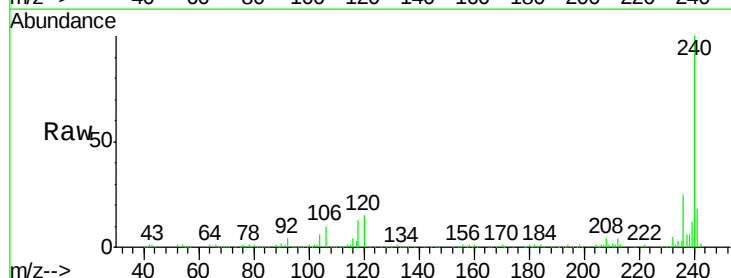


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

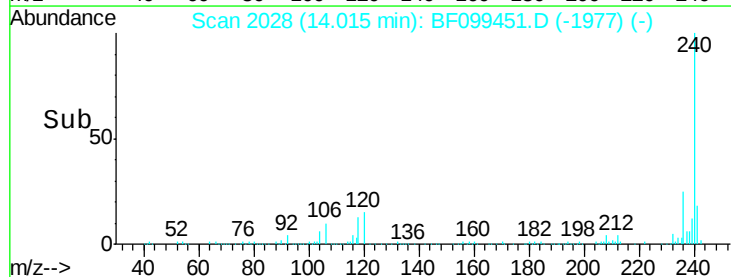
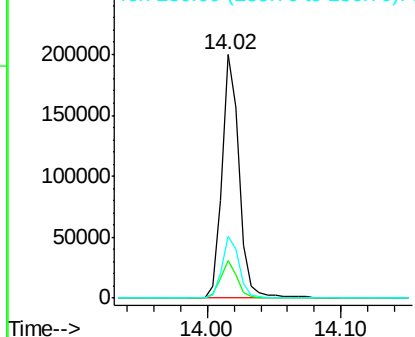


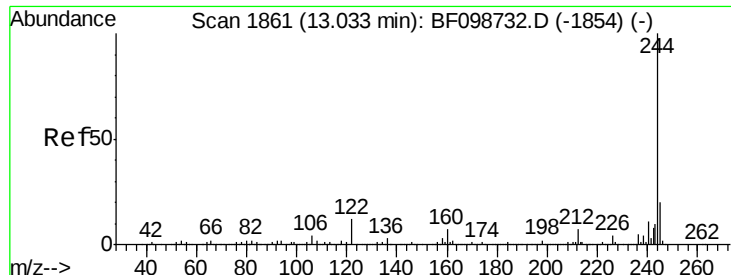
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099451.D
Acq: 13 Oct 2017 20:40

Tgt Ion:240 Resp: 181890
Ion Ratio Lower Upper
240 100
120 15.3 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

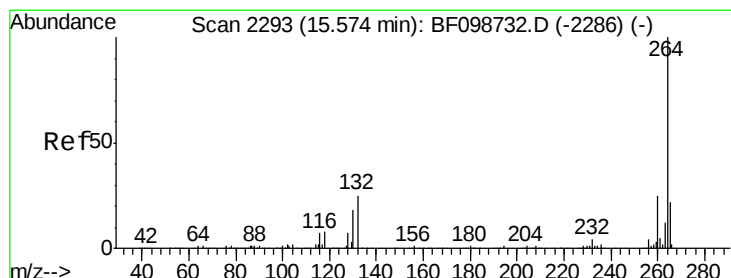
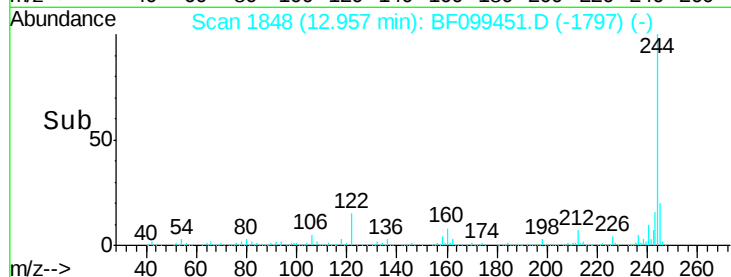
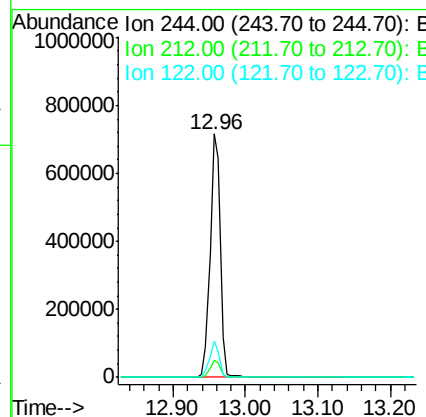
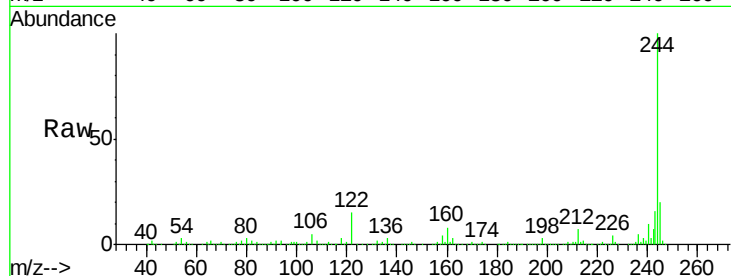




#78
 Terphenyl-d14
 Concen: 87.59 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF099451.D
 Acq: 13 Oct 2017 20:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 700513
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 14.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.01 min
 Lab File: BF099451.D
 Acq: 13 Oct 2017 20:40

Tgt Ion:264 Resp: 201826
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.8 17.5 26.3

