

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101317\
 Data File : BF099468.D
 Acq On : 14 Oct 2017 5:05
 Operator : SJ/JU
 Sample : I5816-03
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 14 05:31:10 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

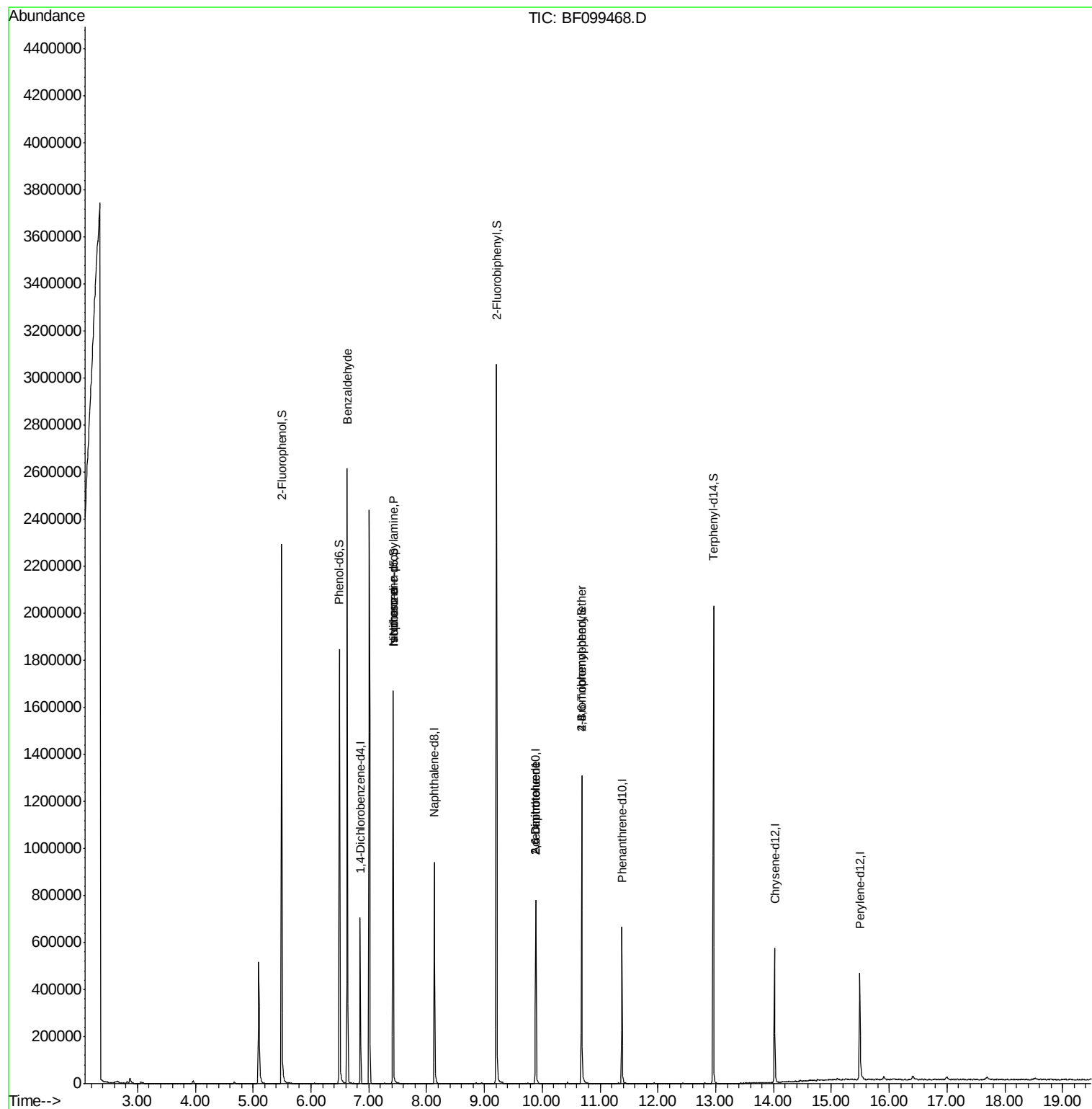
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	107257	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	420971	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	165629	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	245414	20.00	ng	0.00
75) Chrysene-d12	14.02	240	205744	20.00	ng	0.00
86) Perylene-d12	15.49	264	215979	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	735167	109.11	ng	0.02
7) Phenol-d6	6.49	99	751557	90.42	ng	0.00
23) Nitrobenzene-d5	7.42	82	583650	88.91	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	152009	112.16	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1028589	103.67	ng	0.00
78) Terphenyl-d14	12.96	244	700063	77.38	ng	0.00
Target Compounds						
9) Benzaldehyde	6.63	77	15451	3.20	ng	Qvalue 83
19) n-Nitroso-di-n-propylamine	7.42	70	75203	14.17	ng	# 73
25) Isophorone	7.42	82	583643	43.00	ng	# 64
50) 2,6-Dinitrotoluene	9.89	165	20773	7.63	ng	# 24
56) 2,4-Dinitrotoluene	9.89	165	20773	5.88	ng	# 21
66) 4-Bromophenyl-phenylether	10.68	248	10116	4.21	ng	# 1

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

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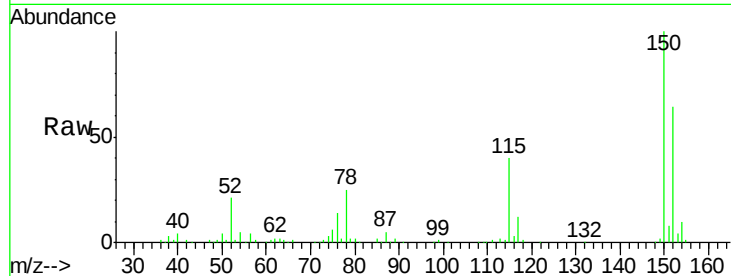


#1

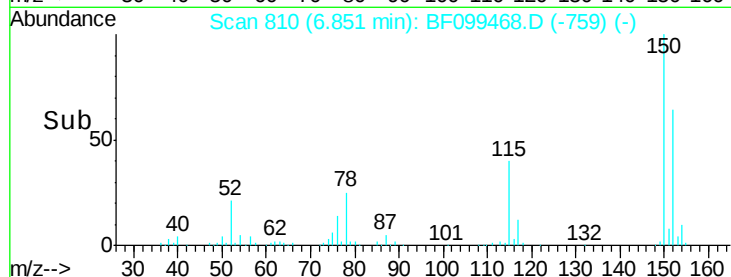
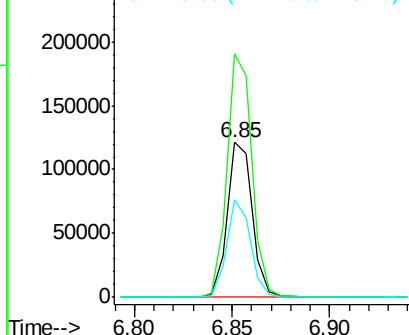
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF099468.D
Acq: 14 Oct 2017 5:05

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 107257
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 62.9 50.1 75.1



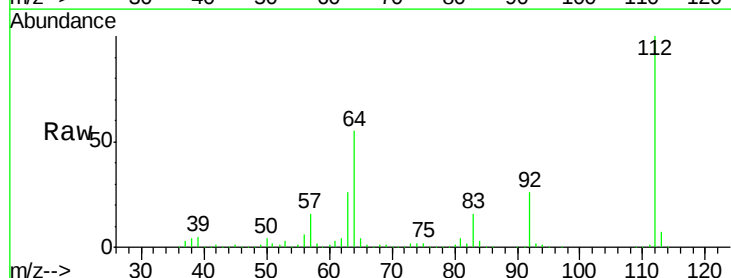
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



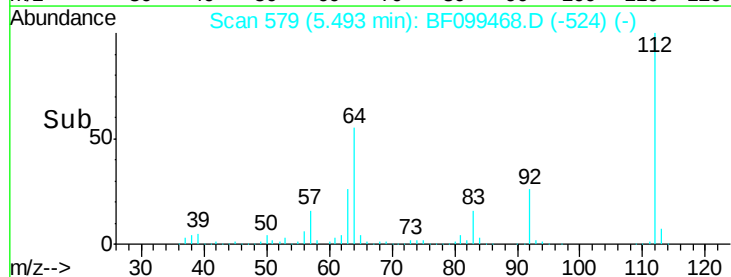
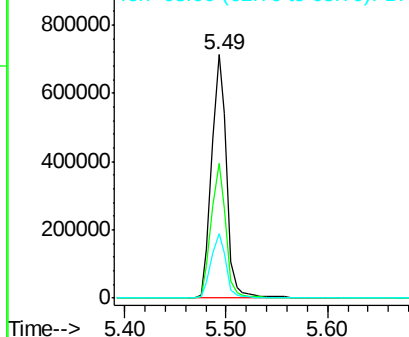
#5

2-Fluorophenol
Concen: 109.11 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.02 min
Lab File: BF099468.D
Acq: 14 Oct 2017 5:05

Tgt Ion:112 Resp: 735167
Ion Ratio Lower Upper
112 100
64 55.4 47.9 71.9
63 26.5 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: 90.42 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099468.D

Acq: 14 Oct 2017 5:05

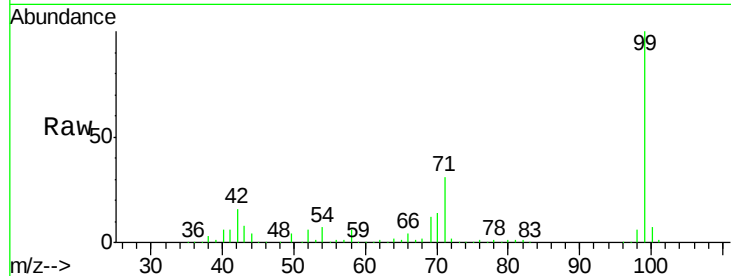
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 751557

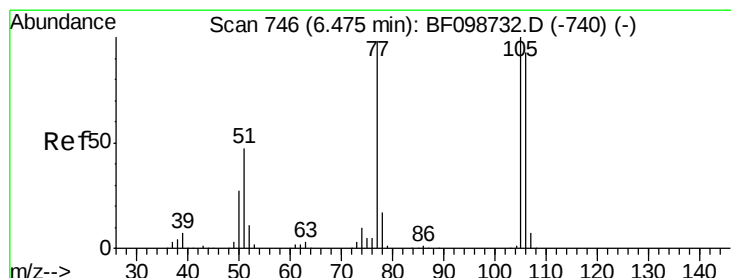
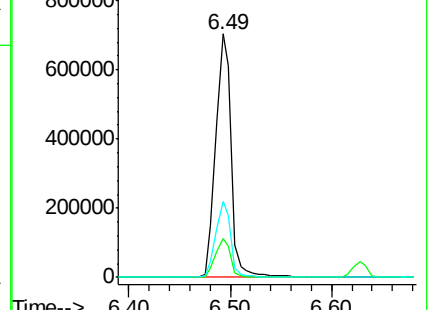
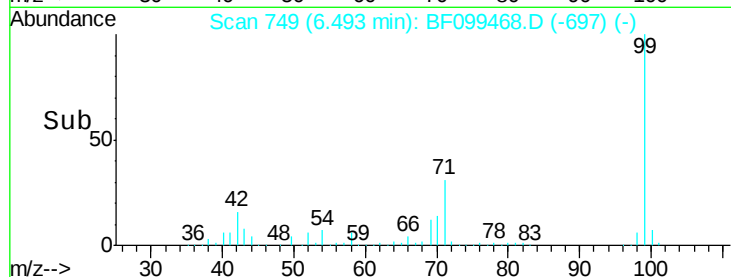
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.5	21.7
71	31.3	25.4	38.0



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: 3.20 ng

RT: 6.63 min Scan# 772

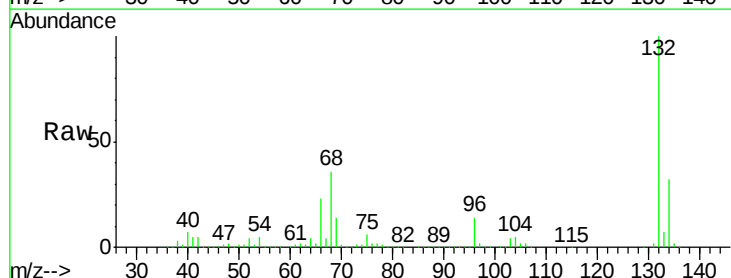
Delta R.T. 0.22 min

Lab File: BF099468.D

Acq: 14 Oct 2017 5:05

Tgt Ion: 77 Resp: 15451

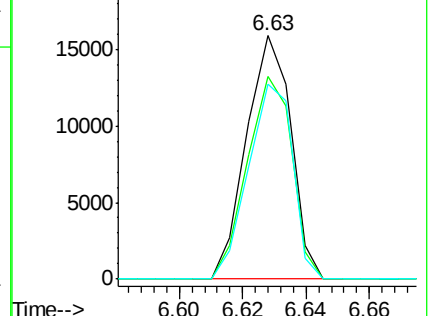
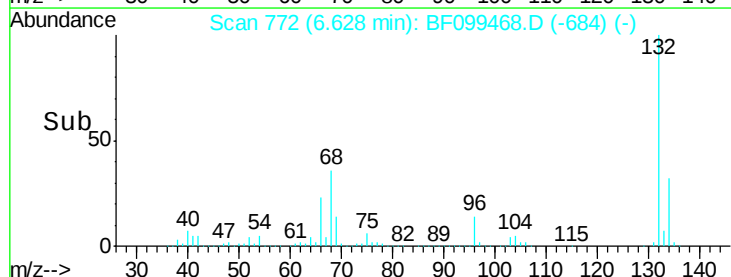
Ion	Ratio	Lower	Upper
77	100		
105	83.1	81.1	121.1
106	79.8	74.5	114.5

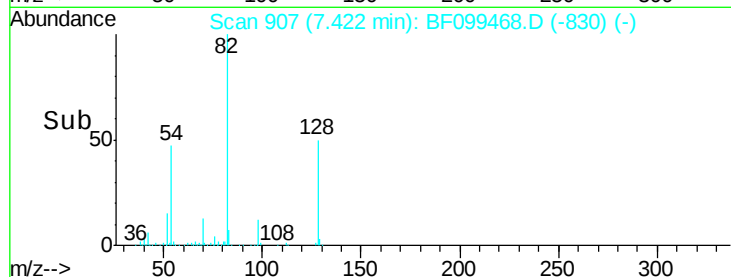
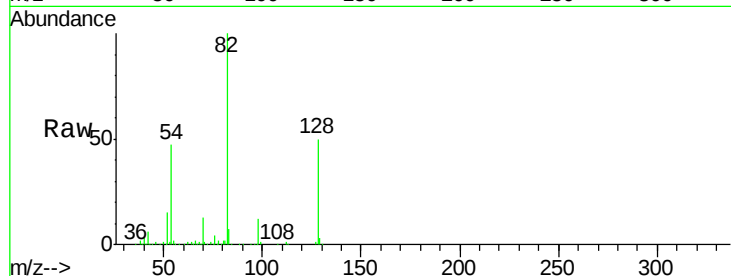


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 14.17 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.15 min

Lab File: BF099468.D

Acq: 14 Oct 2017 5:05

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 75203

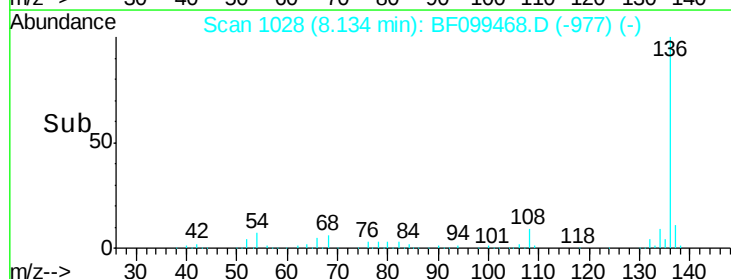
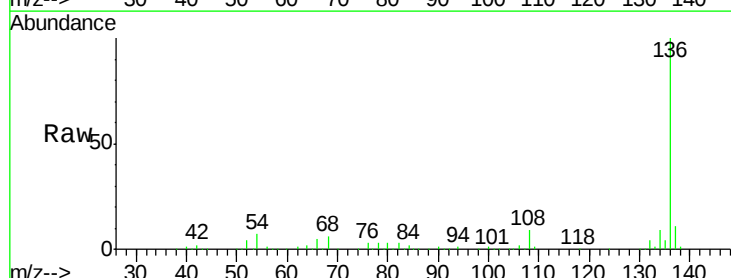
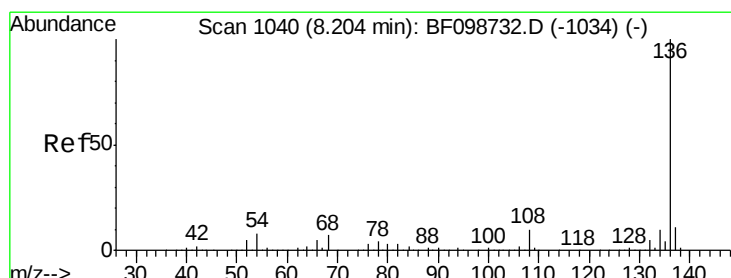
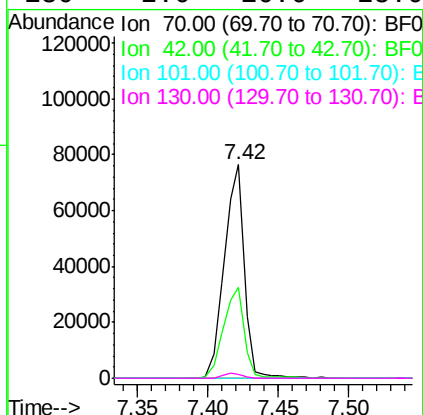
Ion Ratio Lower Upper

70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 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: BF099468.D

Acq: 14 Oct 2017 5:05

Tgt Ion: 136 Resp: 420971

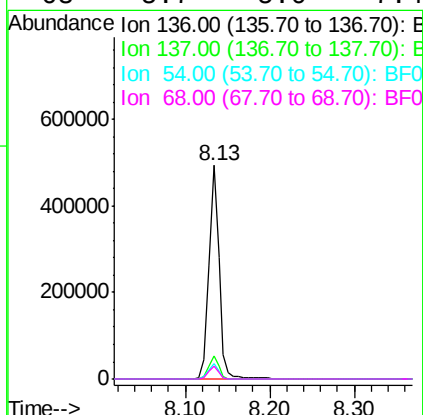
Ion Ratio Lower Upper

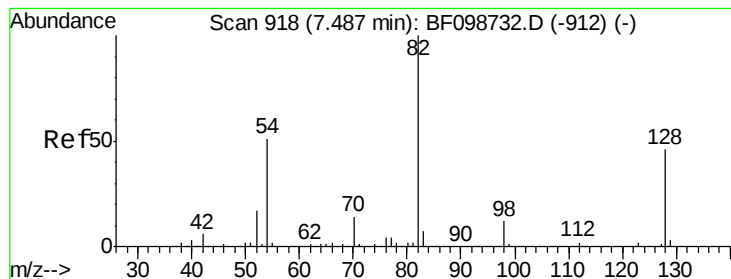
136 100

137 10.8 8.9 13.3

54 7.0 6.6 9.8

68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 88.91 ng

RT: 7.42 min Scan# 907

Delta R.T. 0.00 min

Lab File: BF099468.D

Acq: 14 Oct 2017 5:05

Instrument :

BNA_F

ClientSampled :

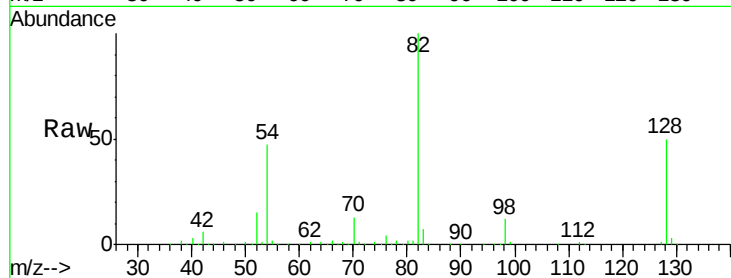
Tot Ion: 82 Resp: 583650

Ion Ratio Lower Upper

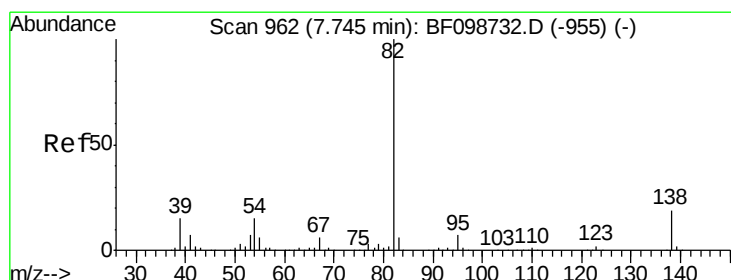
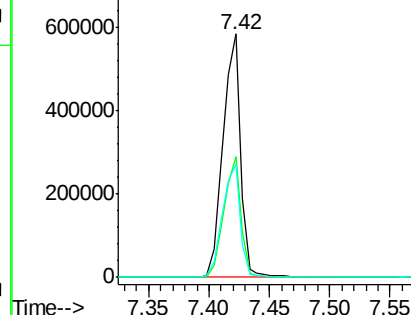
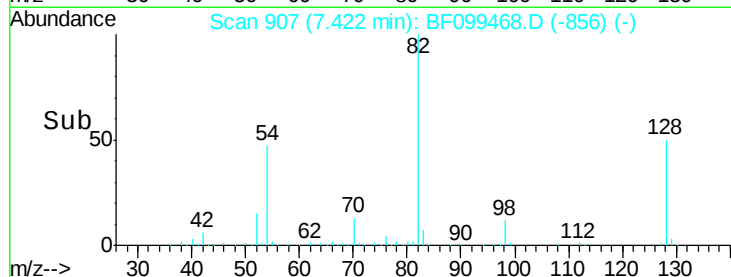
82 100

128 49.7 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: 43.00 ng

RT: 7.42 min Scan# 907

Delta R.T. -0.25 min

Lab File: BF099468.D

Acq: 14 Oct 2017 5:05

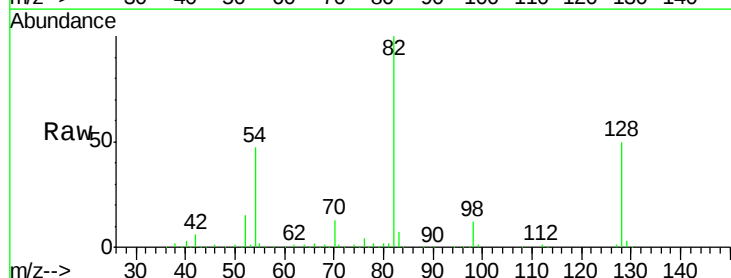
Tgt Ion: 82 Resp: 583643

Ion Ratio Lower Upper

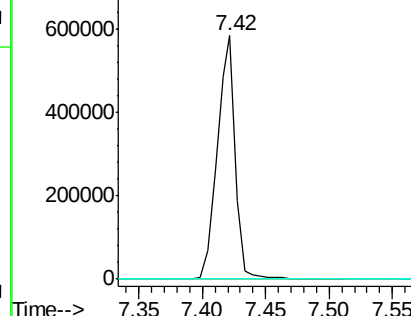
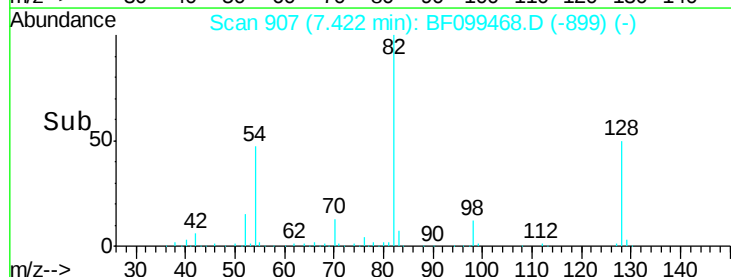
82 100

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

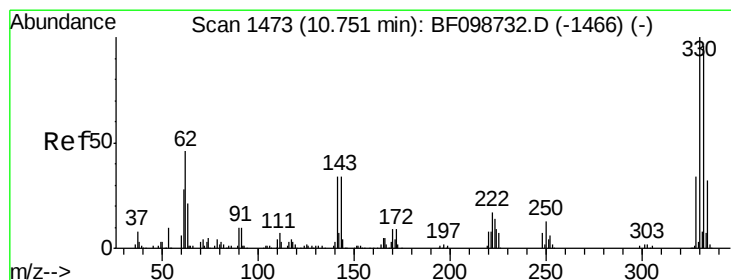
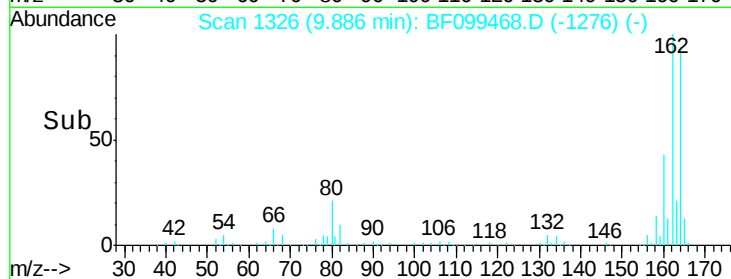
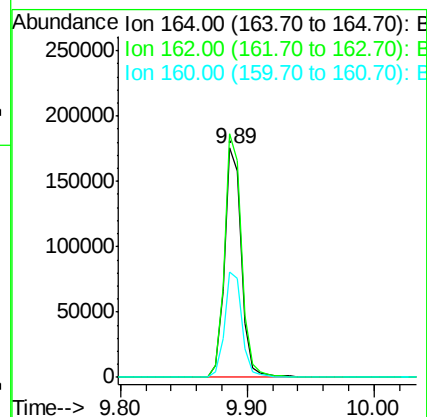
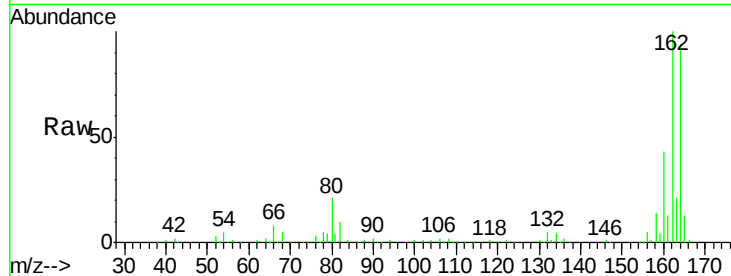




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099468.D
 Acq: 14 Oct 2017 5:05

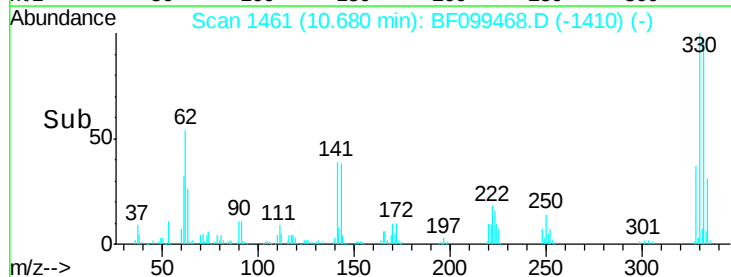
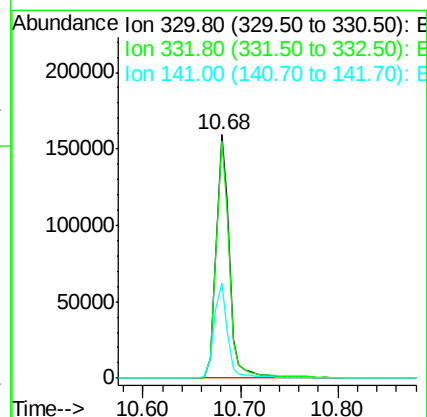
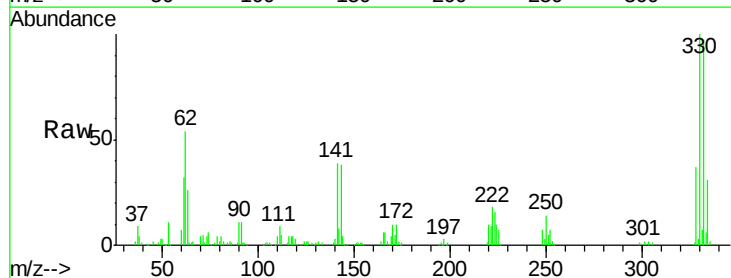
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 165629
 Ion Ratio Lower Upper
 164 100
 162 106.3 86.1 129.1
 160 46.0 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 112.16 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: BF099468.D
 Acq: 14 Oct 2017 5:05

Tgt Ion:330 Resp: 152009
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 40.0 29.9 44.9



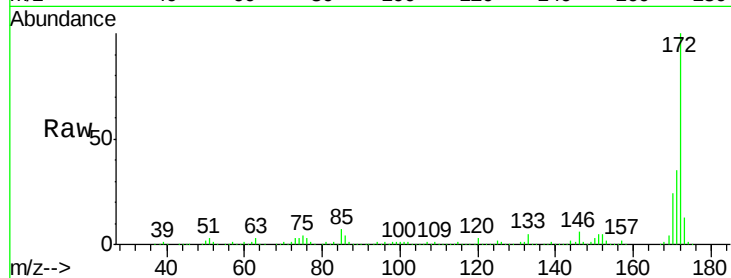


#44
 2-Fluorobiphenyl
 Concen: 103.67 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF099468.D
 Acq: 14 Oct 2017 5:05

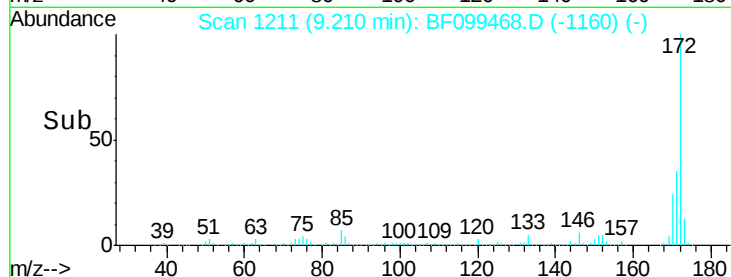
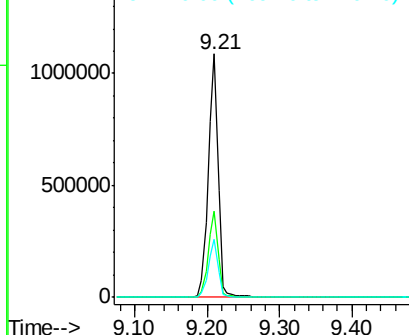
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1028589

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.9	19.6	29.4



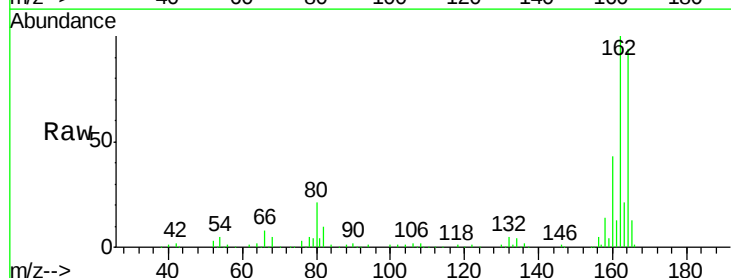
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



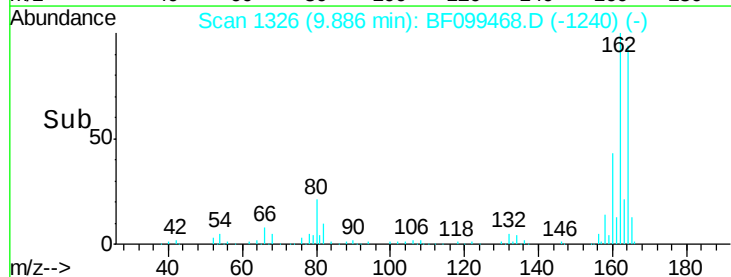
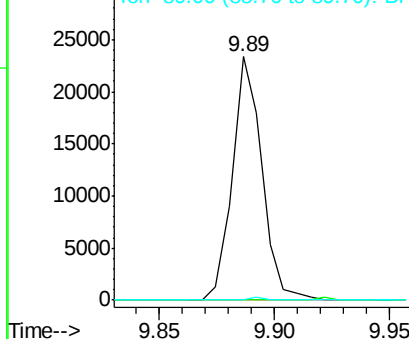
#50
 2,6-Dinitrotoluene
 Concen: 7.63 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. 0.21 min
 Lab File: BF099468.D
 Acq: 14 Oct 2017 5:05

Tgt Ion:165 Resp: 20773

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

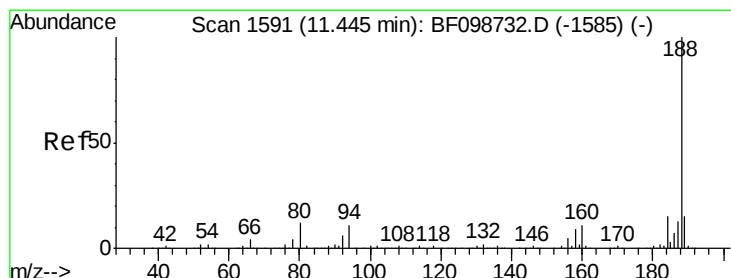
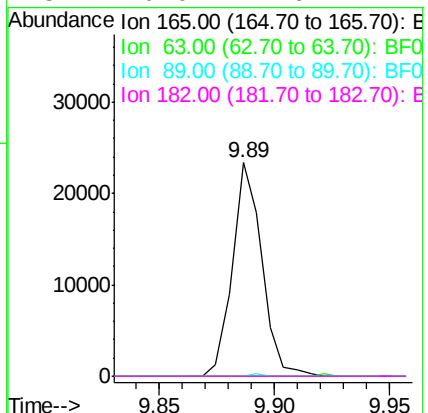
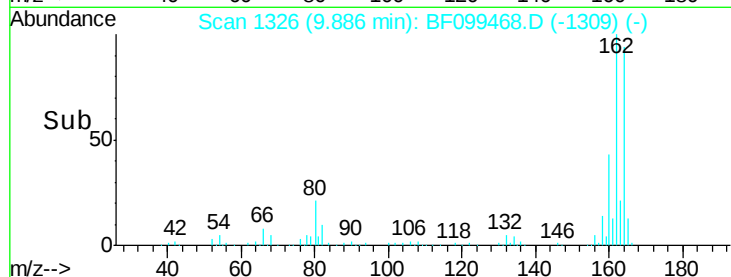
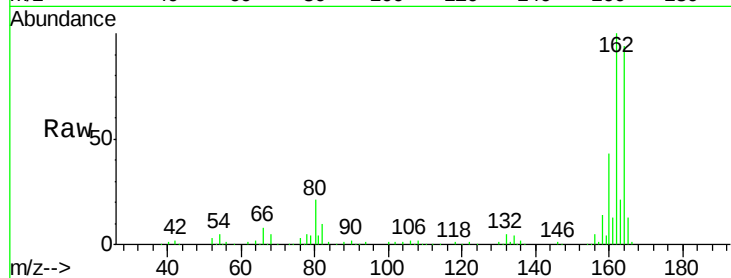




#56
2,4-Dinitrotoluene
Concen: 5.88 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099468.D
Acq: 14 Oct 2017 5:05

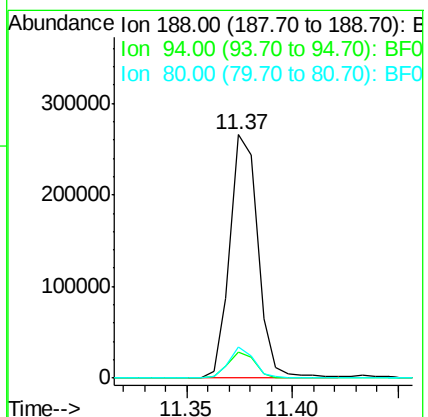
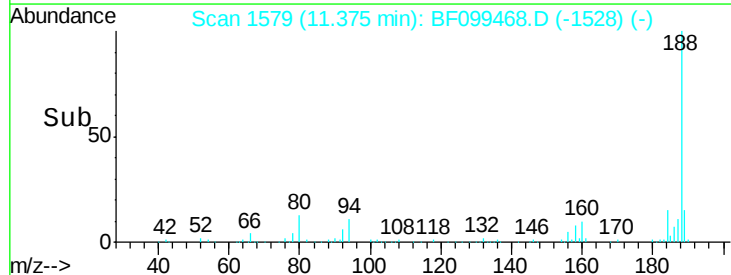
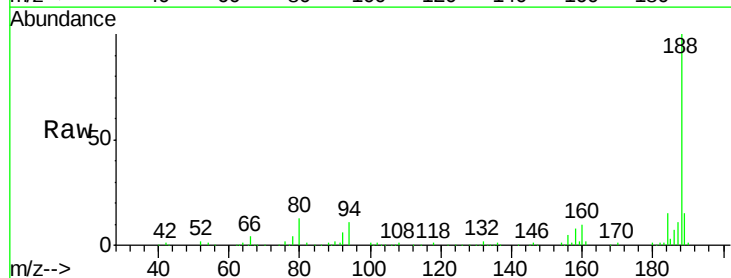
Instrument :
BNA_F
ClientSampleId :

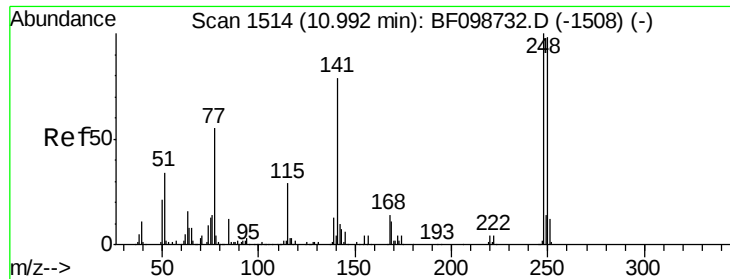
Tot Ion:165	Resp:	20773
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	0.0	57.8 86.6#
182	0.0	1.6 2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099468.D
Acq: 14 Oct 2017 5:05

Tgt Ion:188	Resp:	245414
Ion Ratio	Lower	Upper
188	100	
94	10.9	8.5 12.7
80	12.9	9.2 13.8

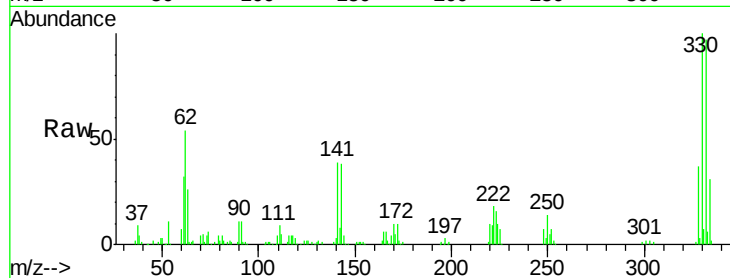




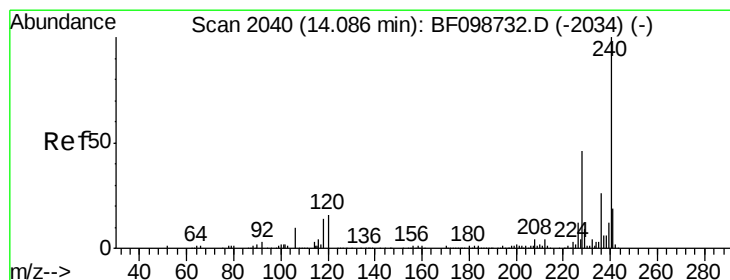
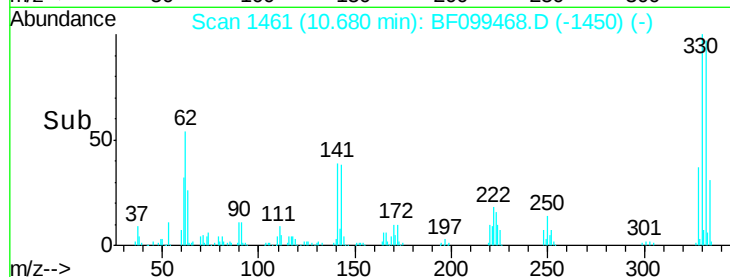
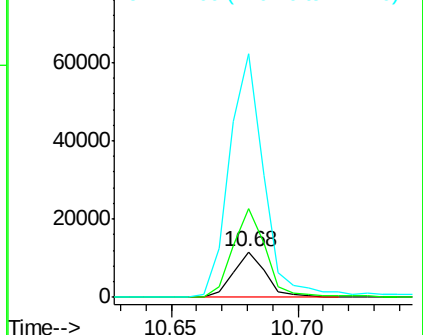
#66
4-Bromophenyl-phenylether
Concen: 4.21 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.24 min
Lab File: BF099468.D
Acq: 14 Oct 2017 5:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10116
Ion Ratio Lower Upper
248 100
250 195.8 76.9 115.3#
141 535.0 74.4 111.6#

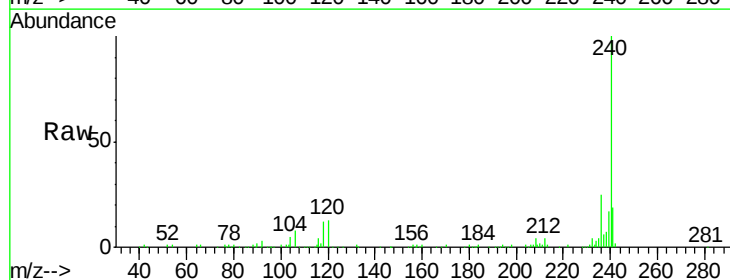


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

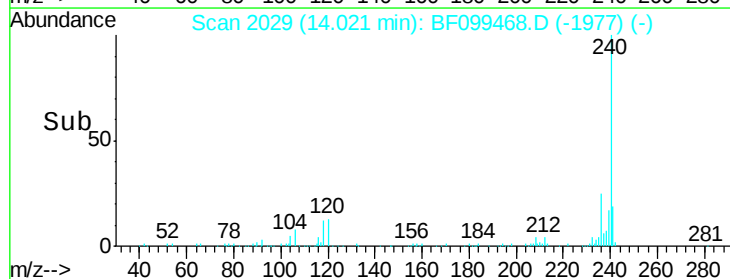
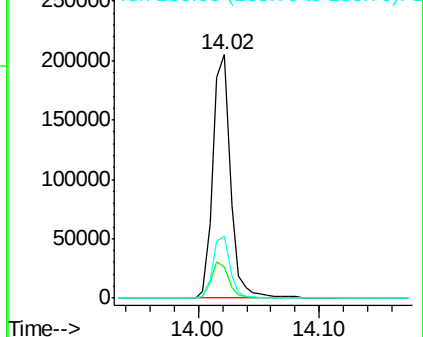


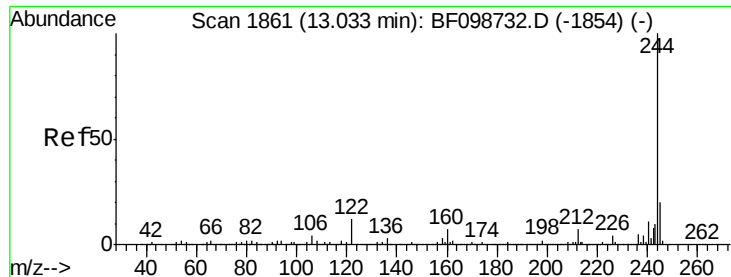
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF099468.D
Acq: 14 Oct 2017 5:05

Tgt Ion:240 Resp: 205744
Ion Ratio Lower Upper
240 100
120 12.8 9.5 14.3
236 25.3 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

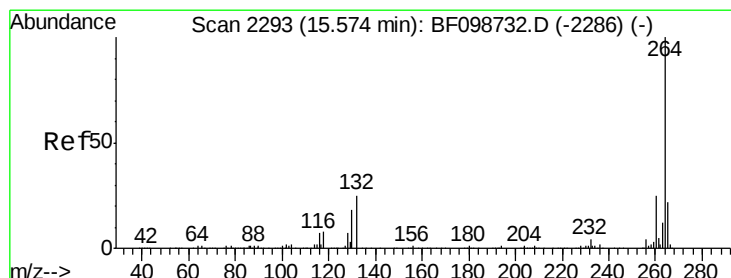
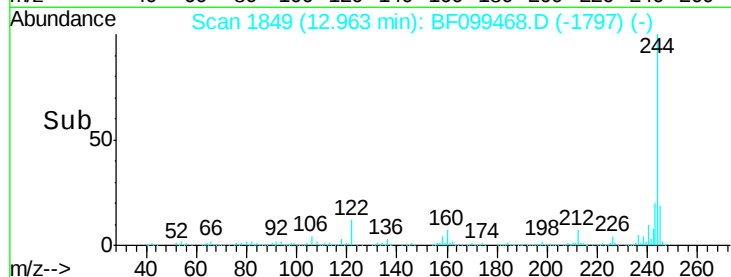
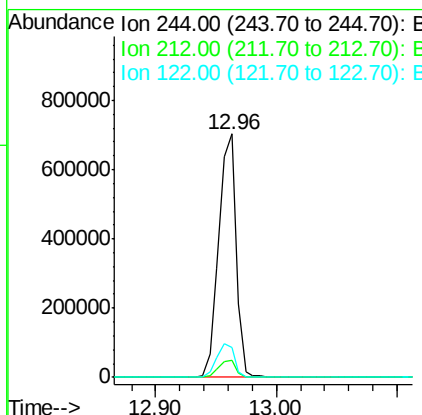
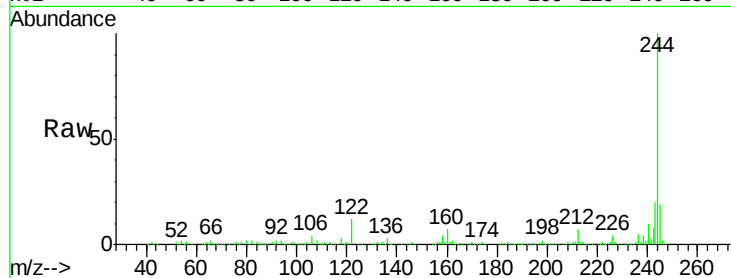




#78
 Terphenyl-d14
 Concen: 77.38 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: BF099468.D
 Acq: 14 Oct 2017 5:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 700063
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.5 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: BF099468.D
 Acq: 14 Oct 2017 5:05

Tgt Ion:264 Resp: 215979
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.2 28.8
 265 21.6 17.5 26.3

