

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099683.D
 Acq On : 20 Oct 2017 3:24
 Operator : SJ/JU
 Sample : I5927-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 12:54:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 19 19:55:56 2017
 Response via : Initial Calibration

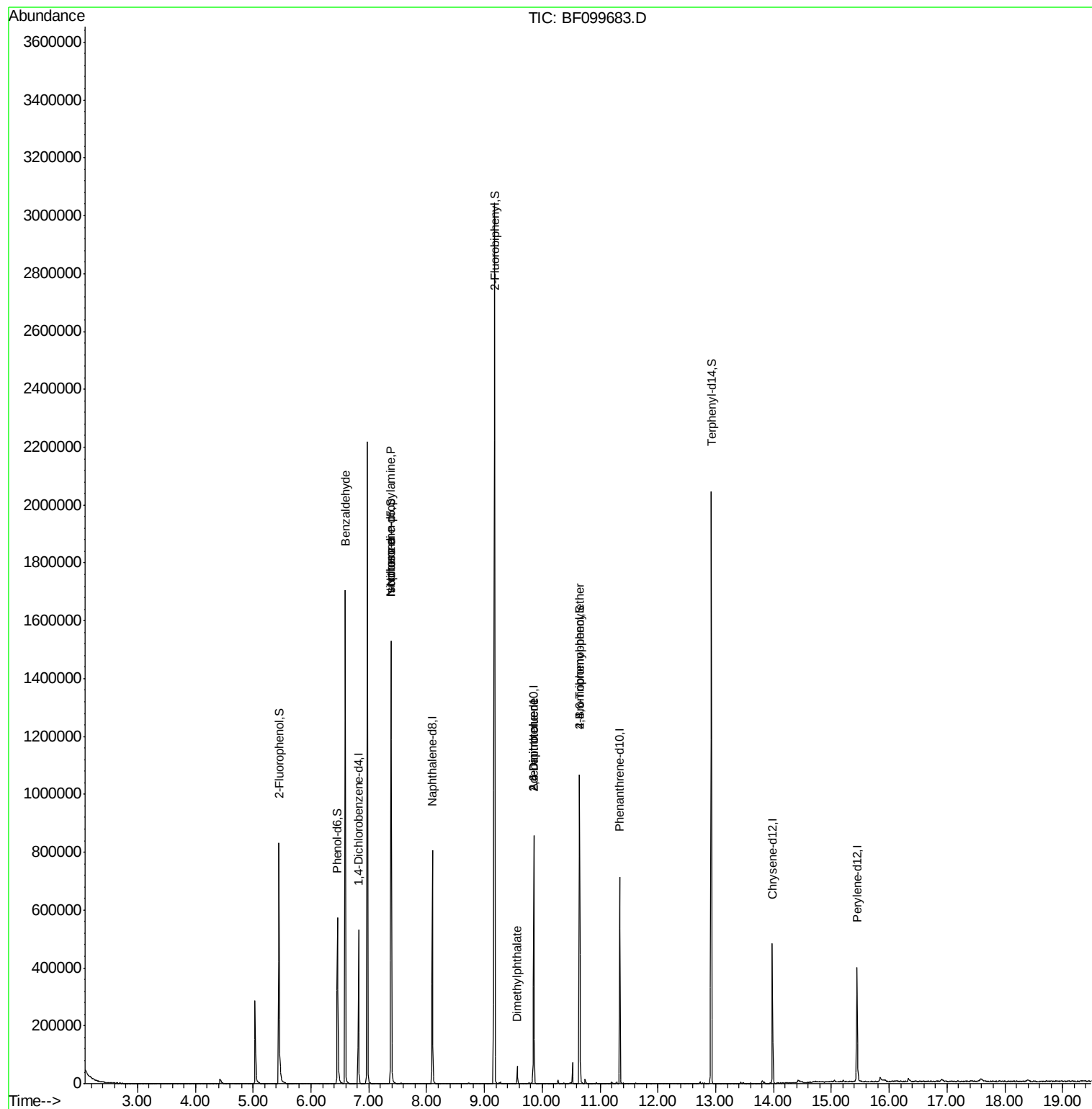
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	90722	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	369825	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	162322	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	249765	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	164987	20.00	ng	-0.02
86) Perylene-d12	15.44	264	171788	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	276933	48.59	ng	0.00
7) Phenol-d6	6.46	99	223537	31.80	ng	-0.02
23) Nitrobenzene-d5	7.39	82	559399	97.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	120186	90.49	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	1066535	109.69	ng	-0.01
78) Terphenyl-d14	12.92	244	718053	98.98	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.59	77	8711	2.136	ng	84
19) n-Nitroso-di-n-propylamine	7.39	70	70991	15.816	ng	# 74
25) Isophorone	7.39	82	559393	46.918	ng	# 64
49) Dimethylphthalate	9.57	163	24798	2.024	ng	99
50) 2,6-Dinitrotoluene	9.85	165	20710	7.765	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	20710	5.983	ng	# 22
66) 4-Bromophenyl-phenylether	10.65	248	7739	3.166	ng	# 1

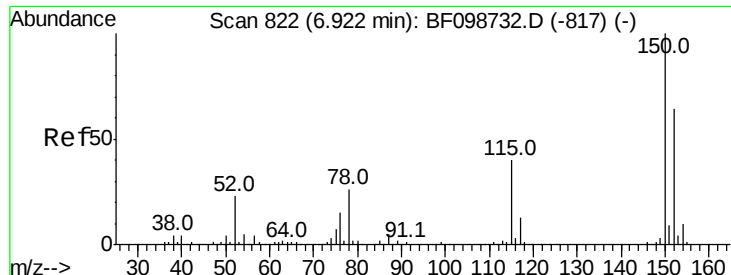
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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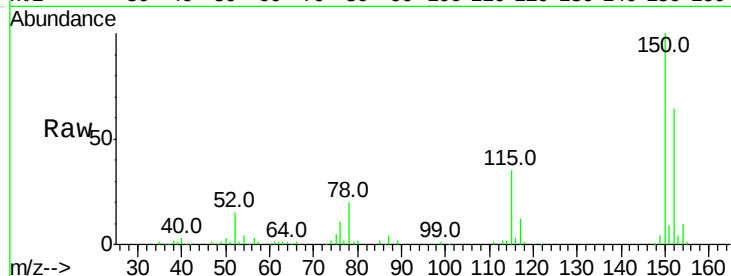


#1

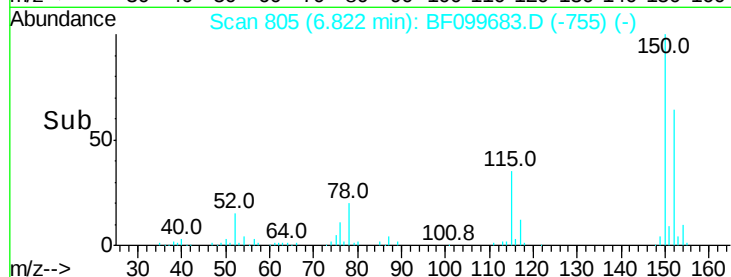
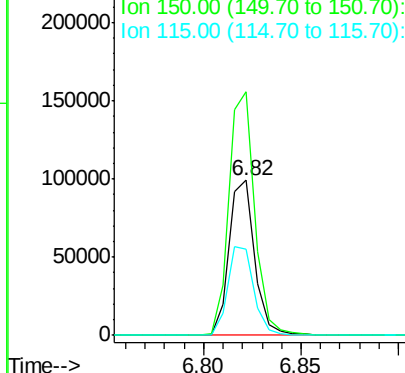
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF099683.D
Acq: 20 Oct 2017 3:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 90722
Ion Ratio Lower Upper
152 100
150 157.0 124.6 186.8
115 55.7 50.1 75.1



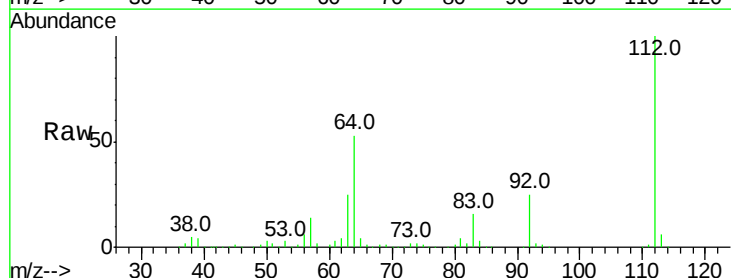
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



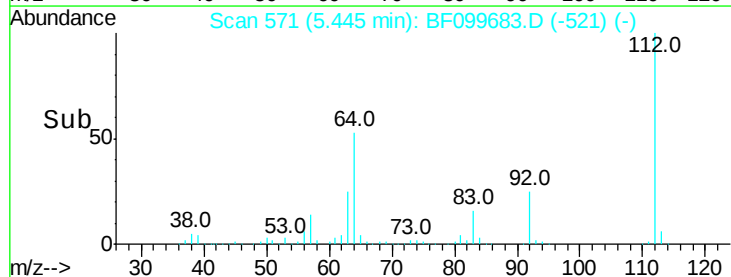
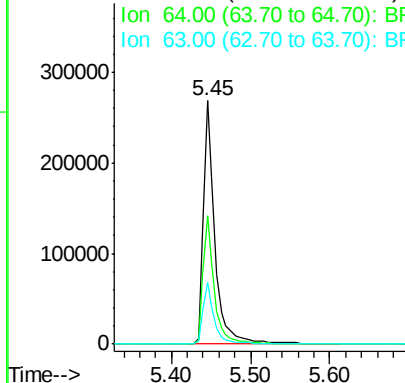
#5

2-Fluorophenol
Concen: 48.593 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF099683.D
Acq: 20 Oct 2017 3:24

Tgt Ion:112 Resp: 276933
Ion Ratio Lower Upper
112 100
64 52.9 47.9 71.9
63 25.3 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: 31.796 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA_F

ClientSampleId :

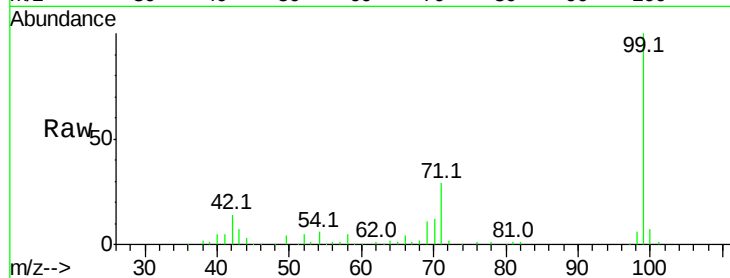
Tot Ion: 99 Resp: 223537

Ion Ratio Lower Upper

99 100

42 13.9 14.5 21.7#

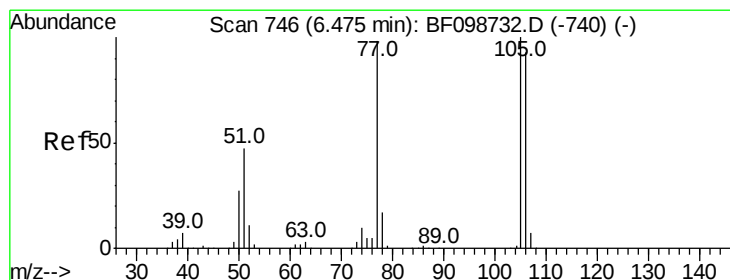
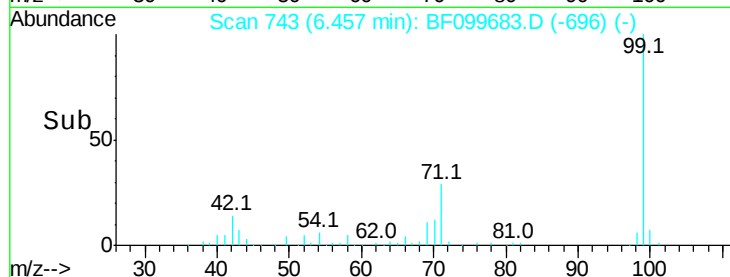
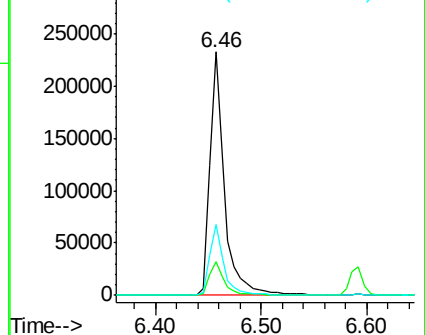
71 28.9 25.4 38.0



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: 2.136 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

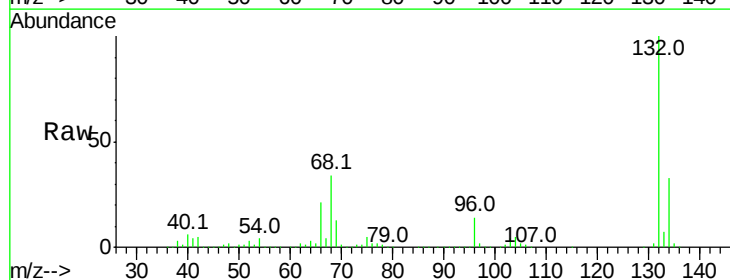
Tgt Ion: 77 Resp: 8711

Ion Ratio Lower Upper

77 100

105 83.2 81.1 121.1

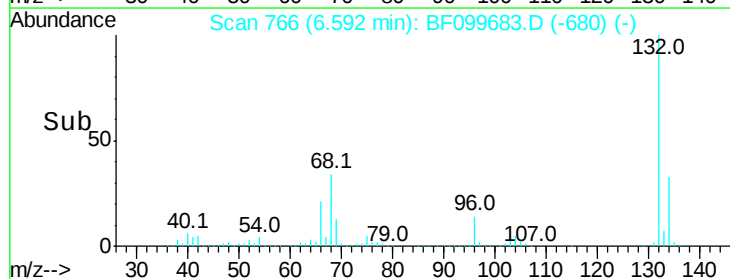
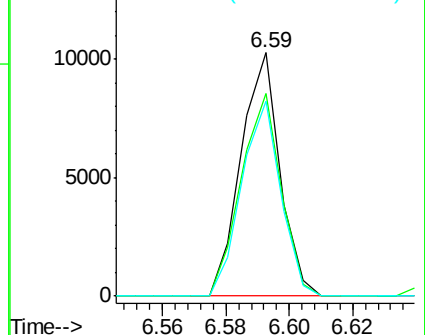
106 80.3 74.5 114.5

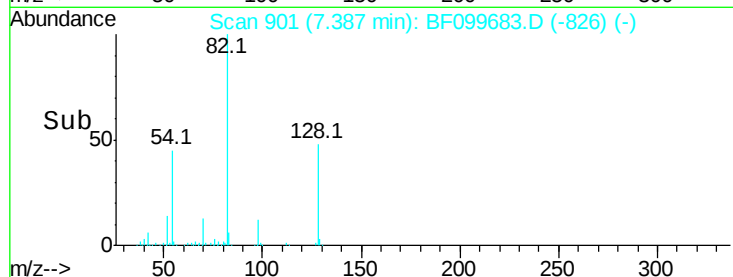
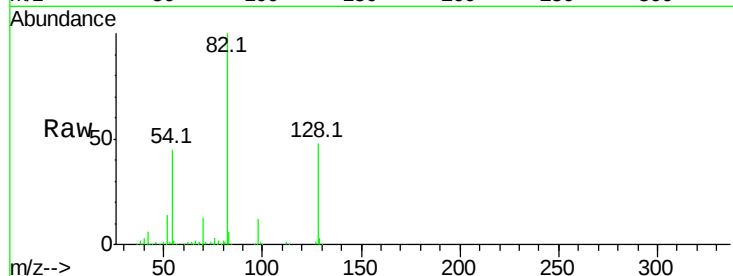
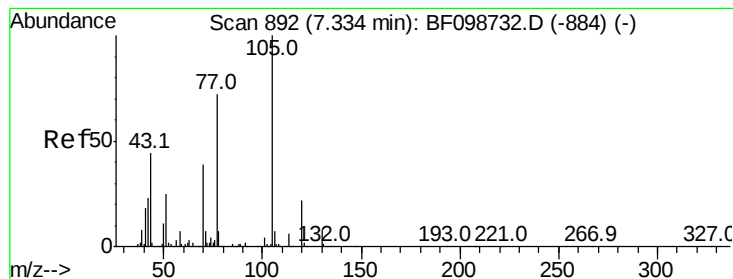


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B





#19

n-Nitroso-di-n-propylamine

Concen: 15.816 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 70991

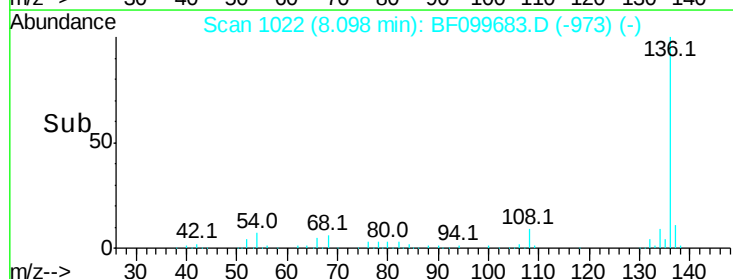
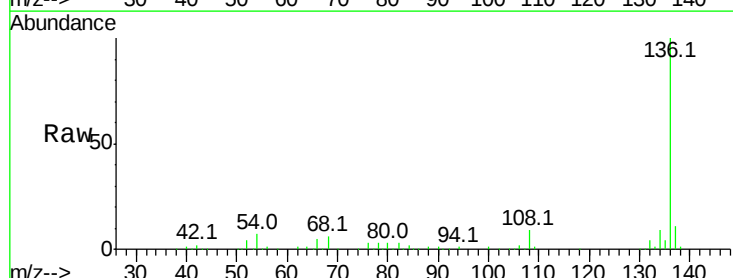
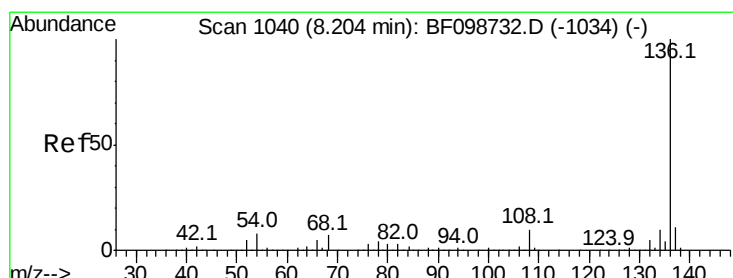
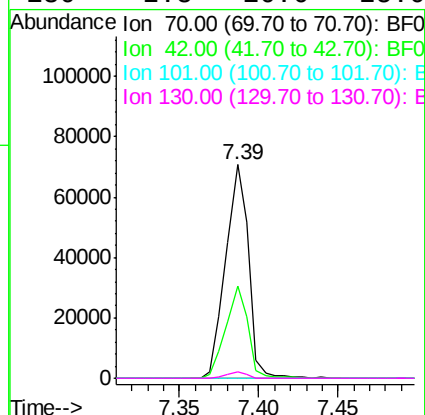
Ion Ratio Lower Upper

70 100

42 43.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Tgt Ion: 136 Resp: 369825

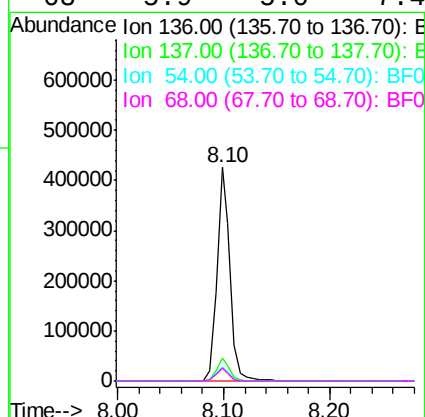
Ion Ratio Lower Upper

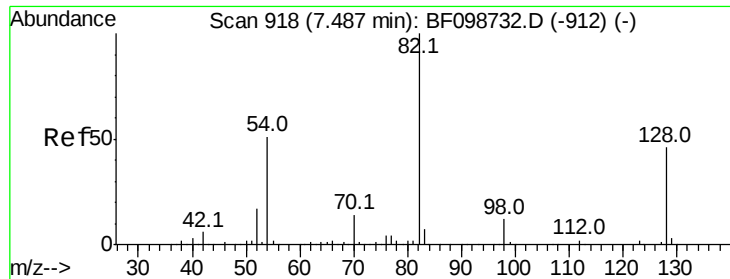
136 100

137 11.1 8.9 13.3

54 6.9 6.6 9.8

68 5.9 5.0 7.4

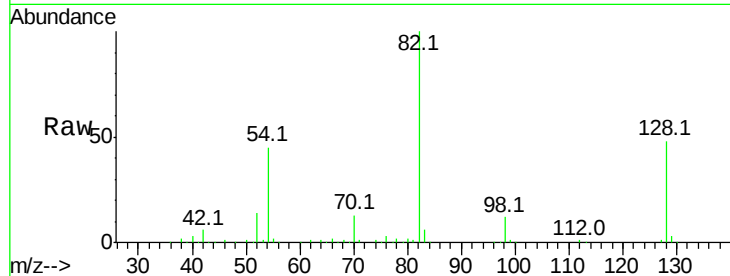




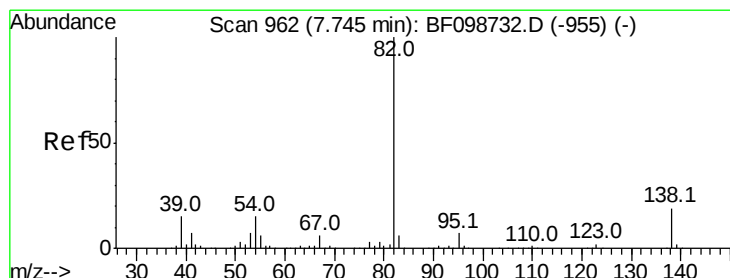
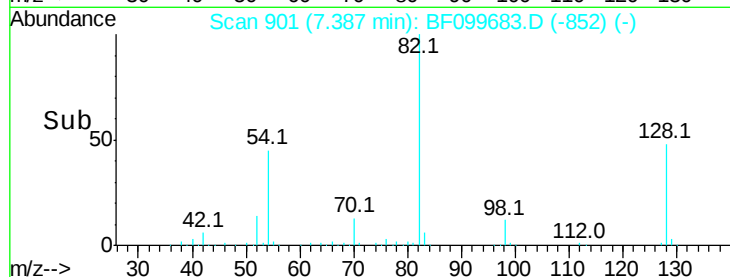
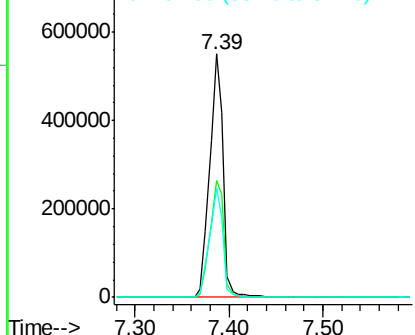
#23
Nitrobenzene-d5
Concen: 97.004 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF099683.D
Acq: 20 Oct 2017 3:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	559399
Ion Ratio	Lower	Upper	
82	100		
128	48.1	36.1	54.1
54	44.8	41.4	62.2

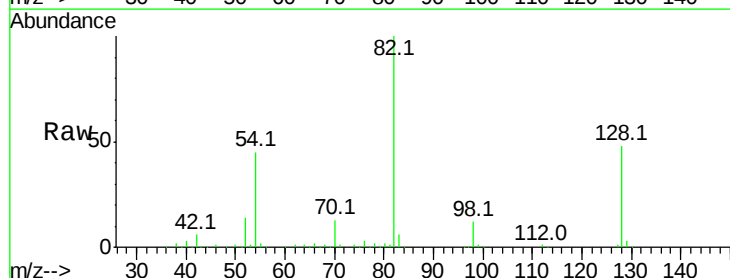


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

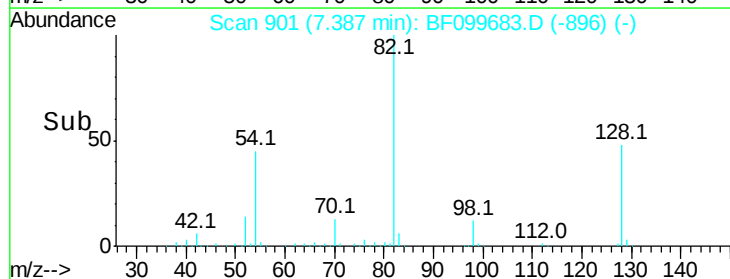
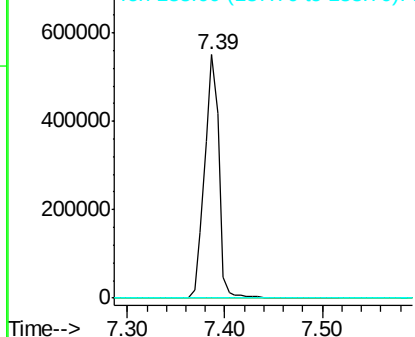


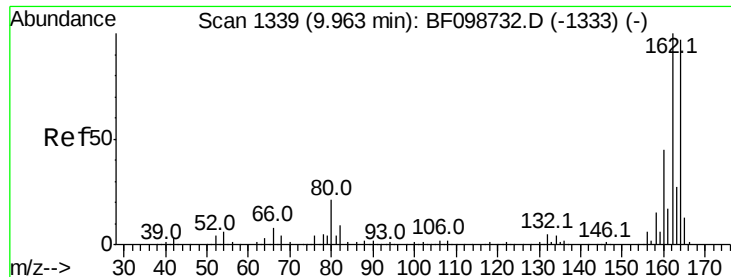
#25
Isophorone
Concen: 46.918 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.27 min
Lab File: BF099683.D
Acq: 20 Oct 2017 3:24

Tgt Ion	82	Resp	559393
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

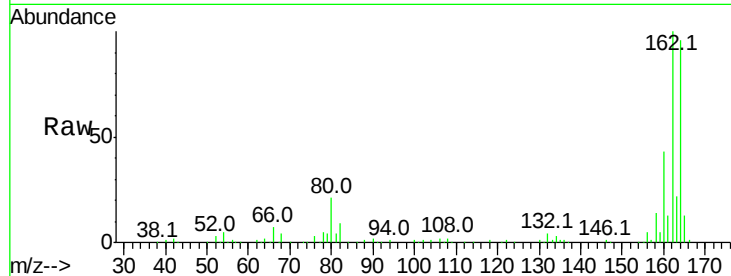




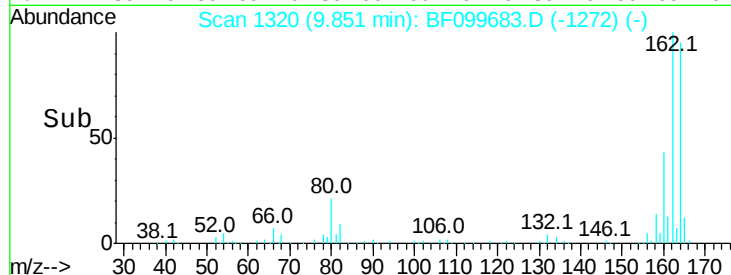
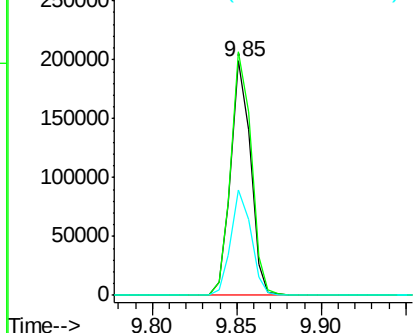
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF099683.D
Acq: 20 Oct 2017 3:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 162322
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 44.9 38.3 57.5

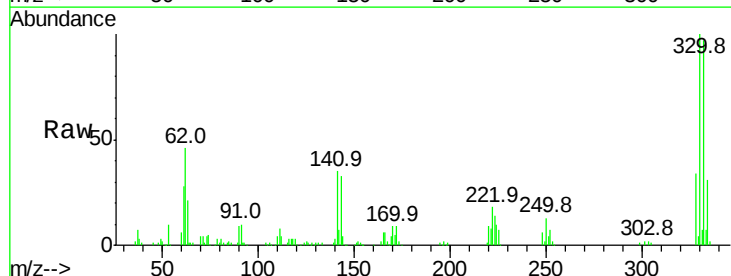


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

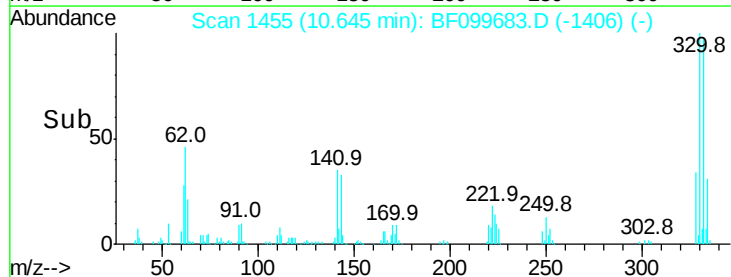
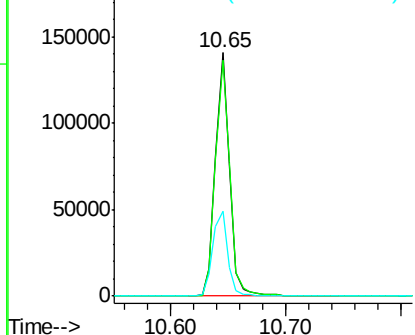


#41
2,4,6-Tribromophenol
Concen: 90.486 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.01 min
Lab File: BF099683.D
Acq: 20 Oct 2017 3:24

Tgt Ion:330 Resp: 120186
Ion Ratio Lower Upper
330 100
332 98.6 77.0 115.6
141 37.0 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



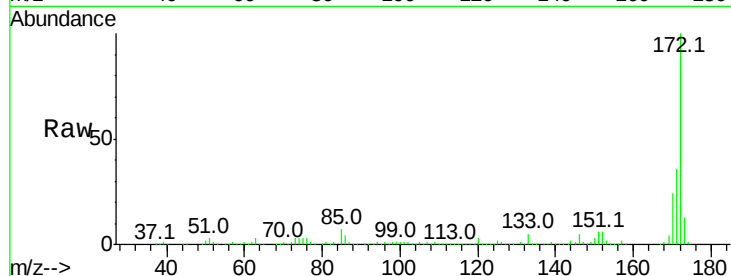


#44
 2-Fluorobiphenyl
 Concen: 109.689 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF099683.D
 Acq: 20 Oct 2017 3:24

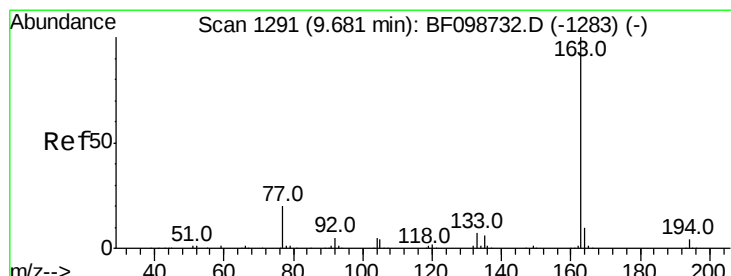
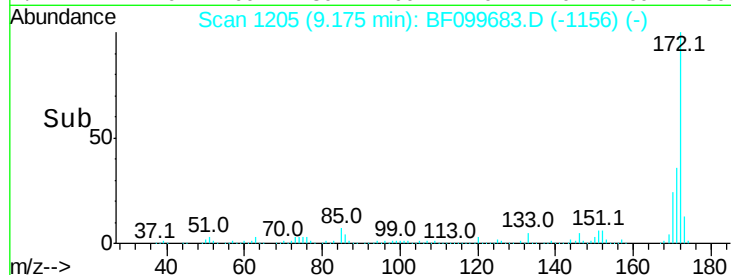
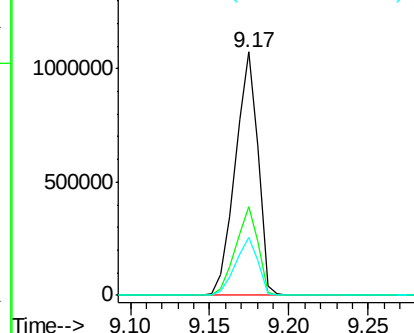
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1066535

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	19.6	29.4



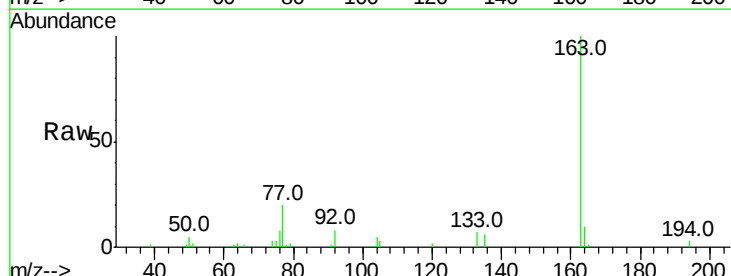
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



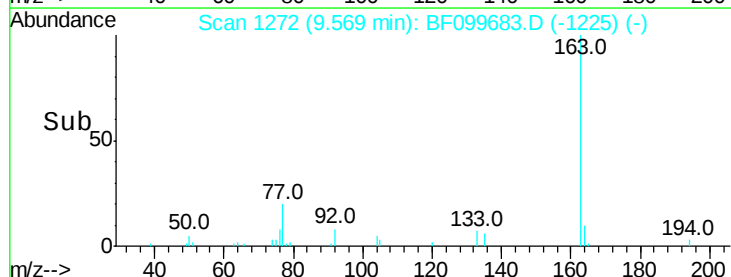
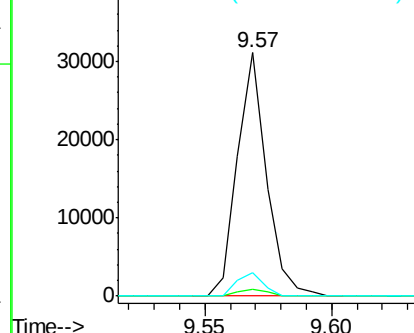
#49
 Dimethylphthalate
 Concen: 2.024 ng
 RT: 9.57 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: BF099683.D
 Acq: 20 Oct 2017 3:24

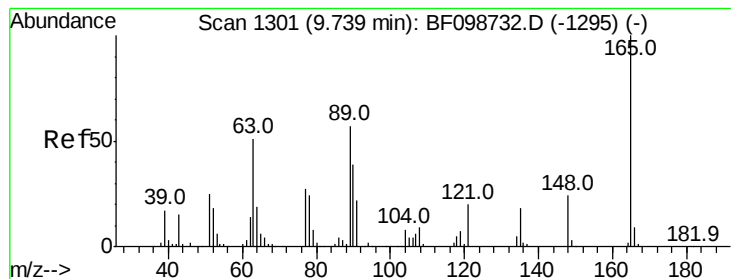
Tgt Ion:163 Resp: 24798

Ion	Ratio	Lower	Upper
163	100		
194	2.9	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





#50

2,6-Dinitrotoluene

Concen: 7.765 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.19 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA_F

ClientSampleId :

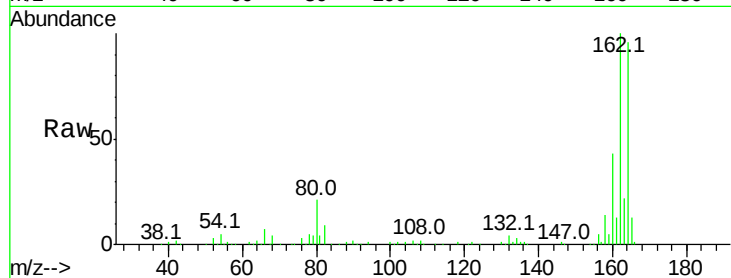
Tot Ion:165 Resp: 20710

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

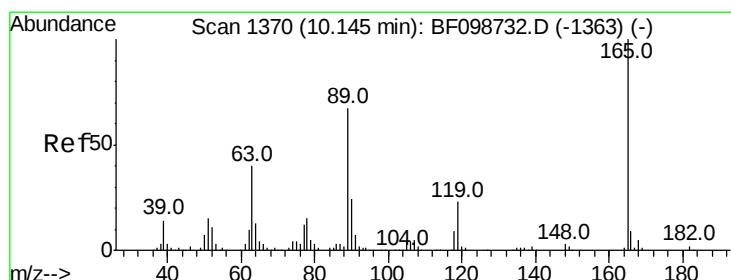
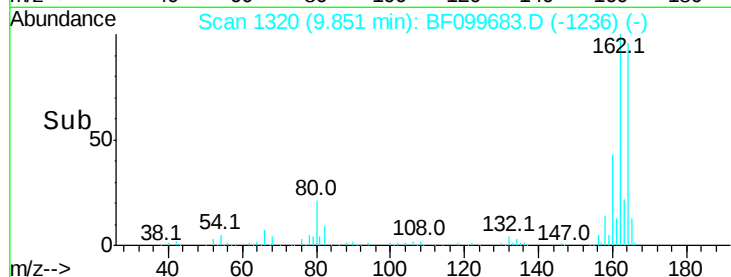
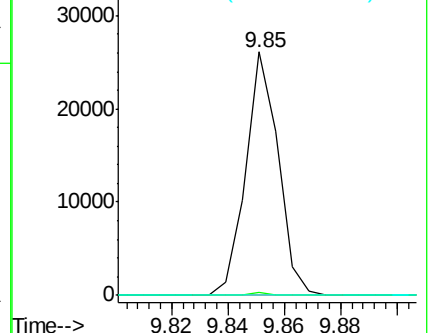
89 0.0 44.0 66.0#



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: 5.983 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.22 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Tgt Ion:165 Resp: 20710

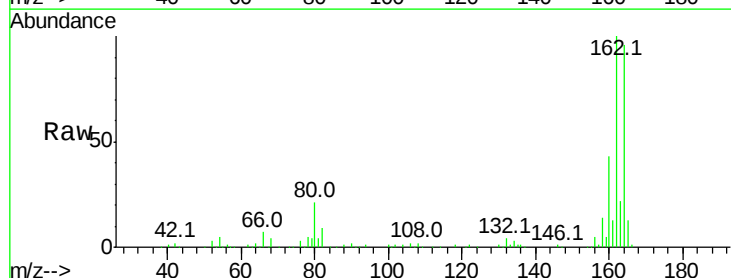
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

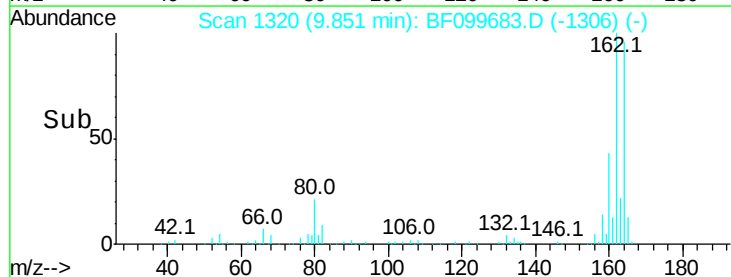
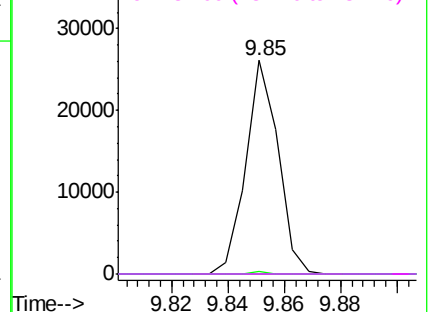


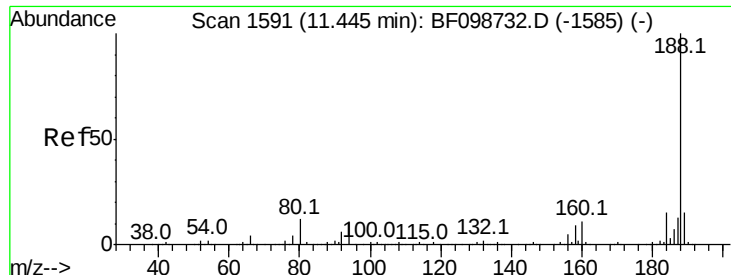
Abundance Ion 165.00 (164.70 to 165.70): E

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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA_F

ClientSampleId :

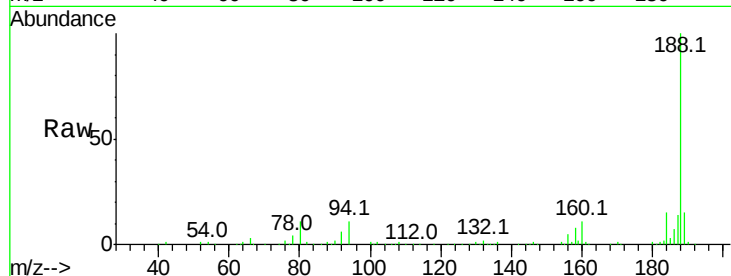
Tot Ion:188 Resp: 249765

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

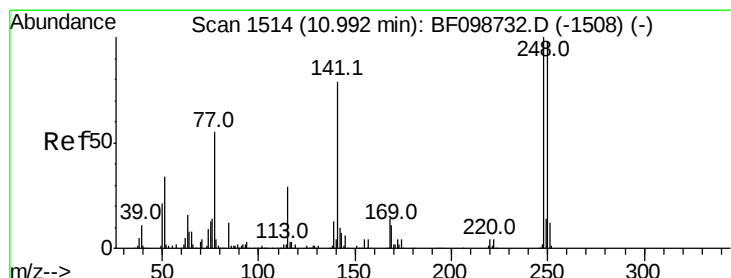
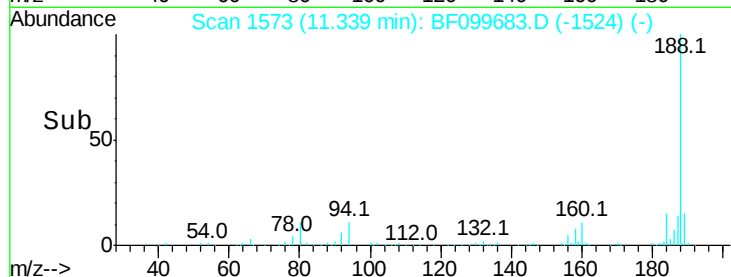
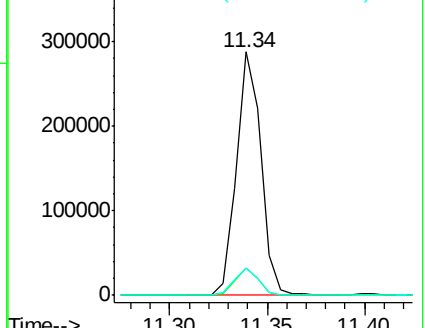
80 11.4 9.2 13.8



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: 3.166 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.25 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

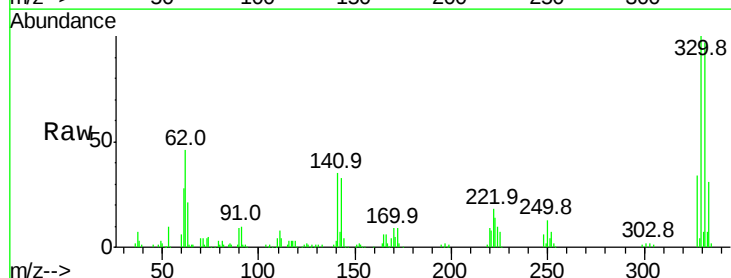
Tgt Ion:248 Resp: 7739

Ion Ratio Lower Upper

248 100

250 210.0 76.9 115.3#

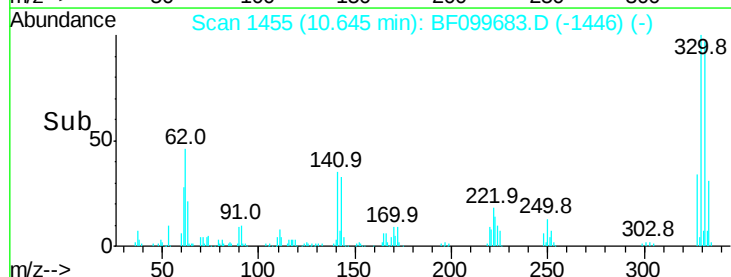
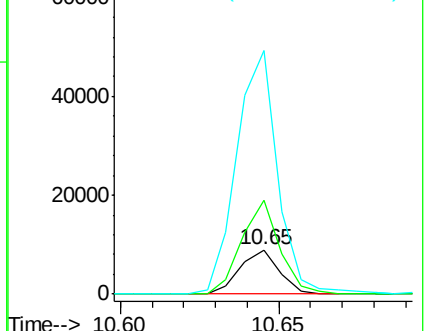
141 547.3 74.4 111.6#

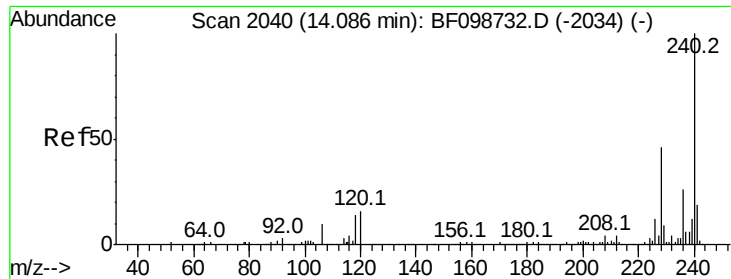


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.02 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

Instrument :

BNA_F

ClientSampleId :

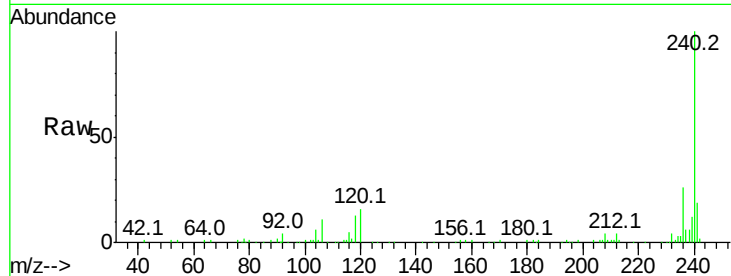
Tot Ion:240 Resp: 164987

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

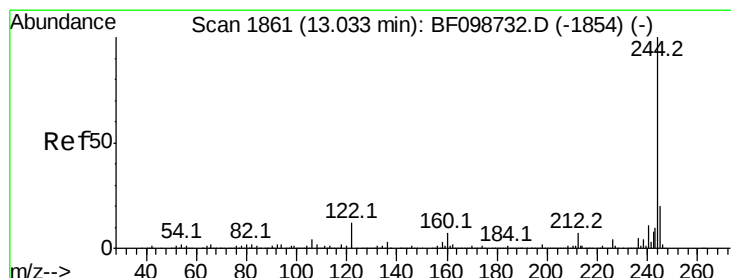
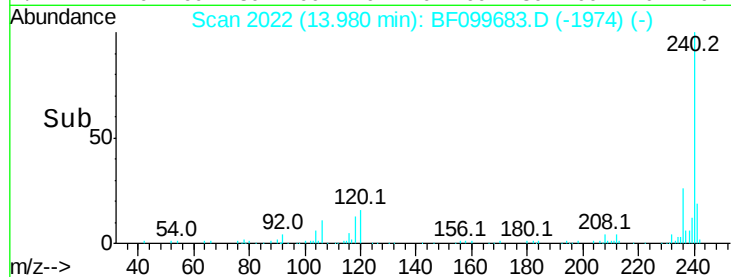
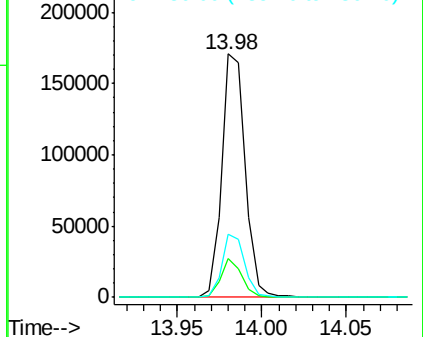
236 26.1 20.7 31.1



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: 98.977 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF099683.D

Acq: 20 Oct 2017 3:24

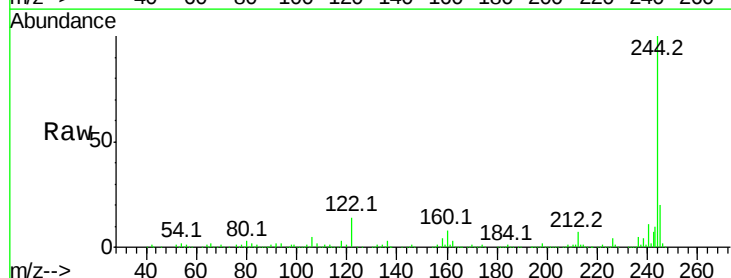
Tgt Ion:244 Resp: 718053

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

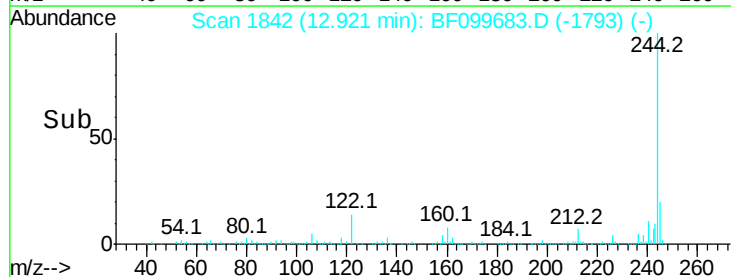
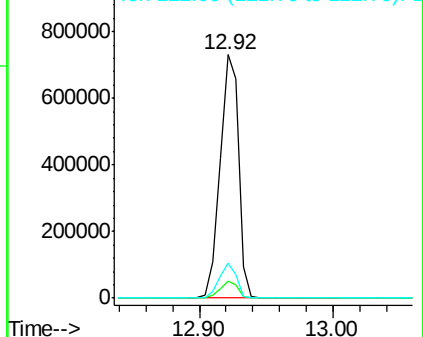
122 14.2 11.0 16.4

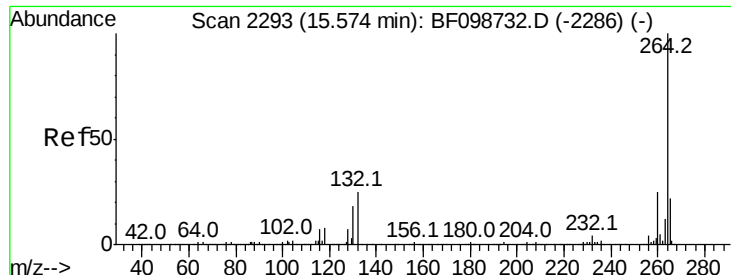


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

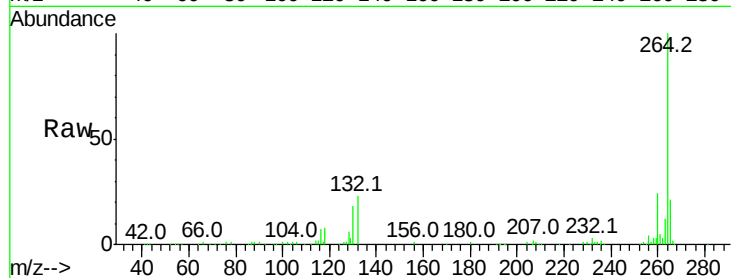




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF099683.D
 Acq: 20 Oct 2017 3:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	20.7	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

