

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
 Data File : BF099605.D
 Acq On : 18 Oct 2017 2:20
 Operator : SJ/JU
 Sample : I5905-03
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 02:52:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 17:32:20 2017
 Response via : Initial Calibration

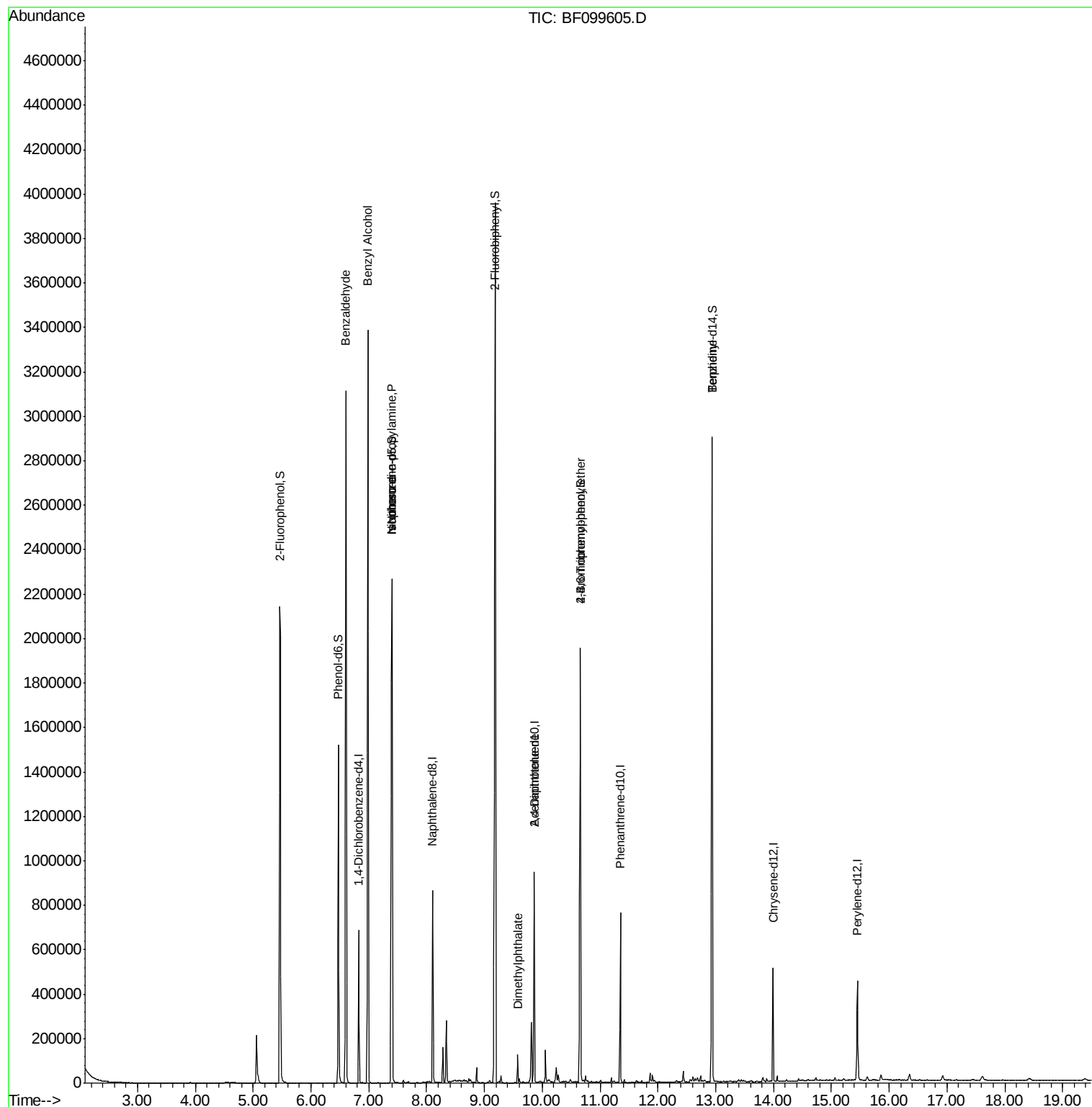
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	103939	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	420501	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	183195	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	276613	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175272	20.00	ng	0.00
86) Perylene-d12	15.45	264	190993	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	744692	114.05	ng	0.02
7) Phenol-d6	6.47	99	590808	73.35	ng	0.00
23) Nitrobenzene-d5	7.40	82	1081584	164.95	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	288916	192.74	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1802793	164.28	ng	0.00
78) Terphenyl-d14	12.94	244	1118135	145.08	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	21246	4.55	ng	Qvalue 89
15) Benzyl Alcohol	6.99	79	15614	2.64	ng	# 37
19) n-Nitroso-di-n-propylamine	7.40	70	137746	26.79	ng	# 72
25) Isophorone	7.40	82	1081570	79.78	ng	# 64
49) Dimethylphthalate	9.57	163	48818	3.53	ng	99
56) 2,4-Dinitrotoluene	9.86	165	23056	5.90	ng	# 24
66) 4-Bromophenyl-phenylether	10.66	248	19040	7.03	ng	# 1
76) Benzydine	12.93	184	14663	2.26	ng	98

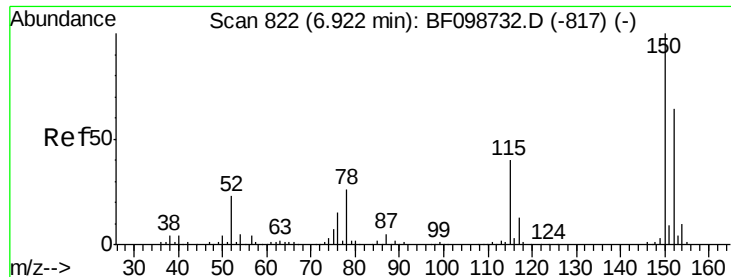
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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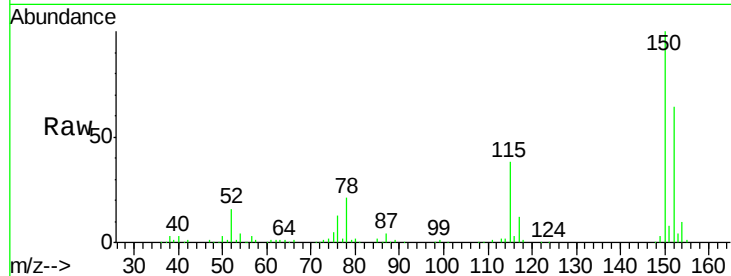


#1

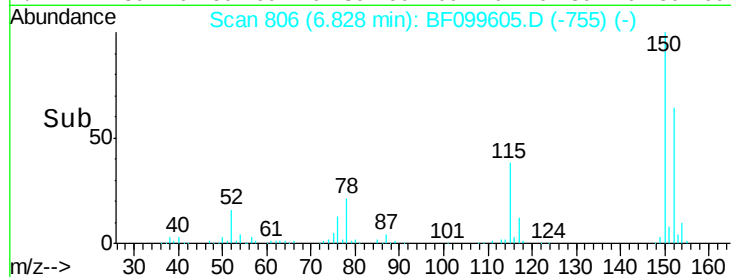
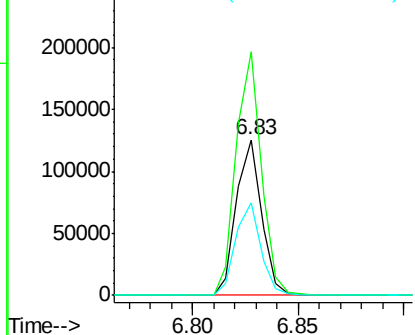
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 103939
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 59.2 50.1 75.1



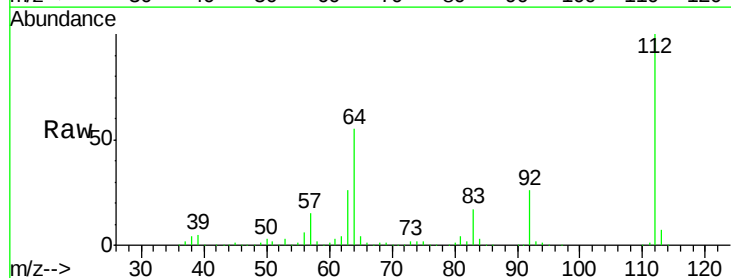
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



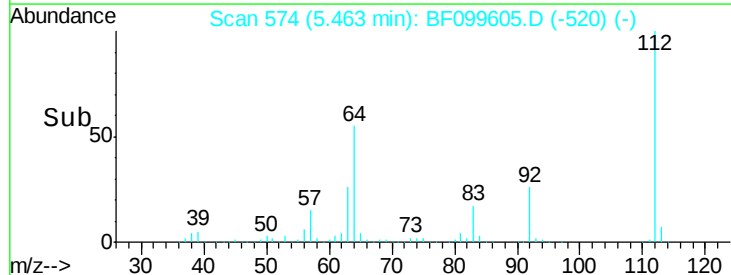
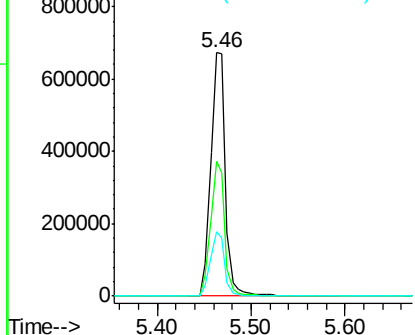
#5

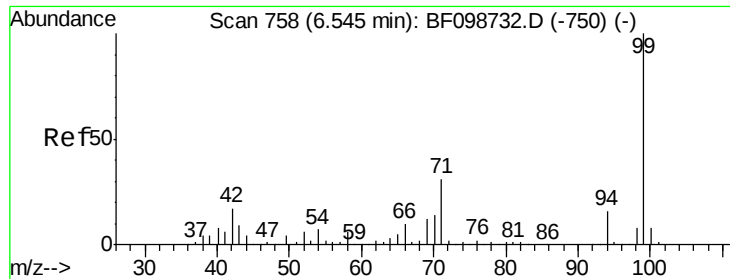
2-Fluorophenol
Concen: 114.05 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.02 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

Tgt Ion:112 Resp: 744692
Ion Ratio Lower Upper
112 100
64 55.5 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: 73.35 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

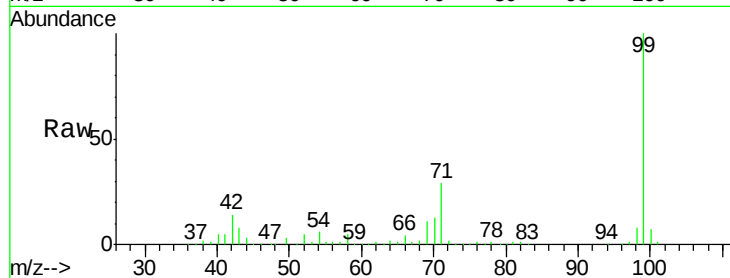
Tot Ion: 99 Resp: 590808

Ion Ratio Lower Upper

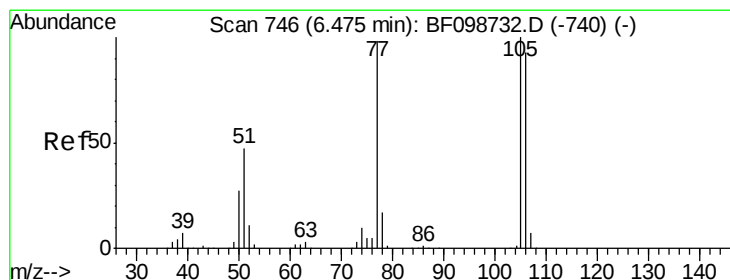
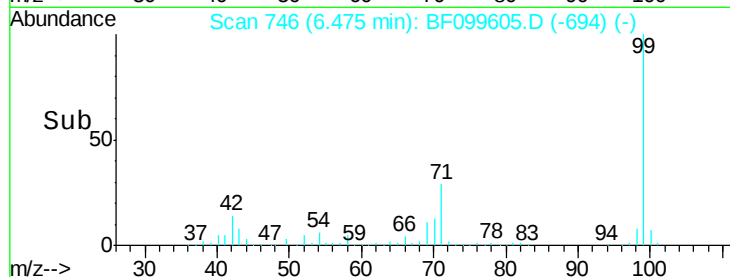
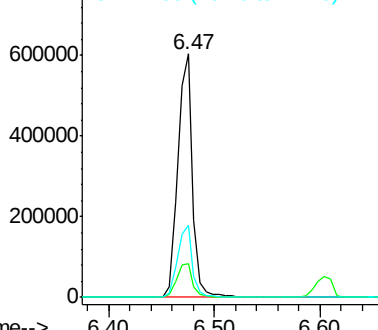
99 100

42 13.8 14.5 21.7#

71 29.4 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: 4.55 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

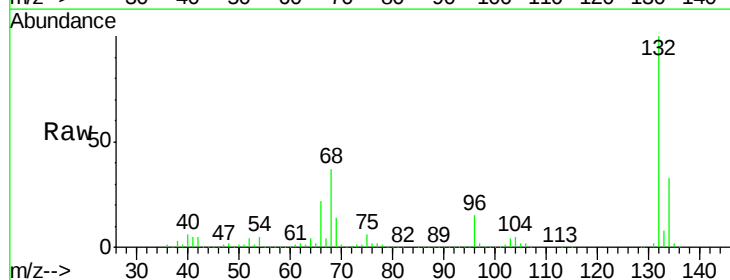
Tgt Ion: 77 Resp: 21246

Ion Ratio Lower Upper

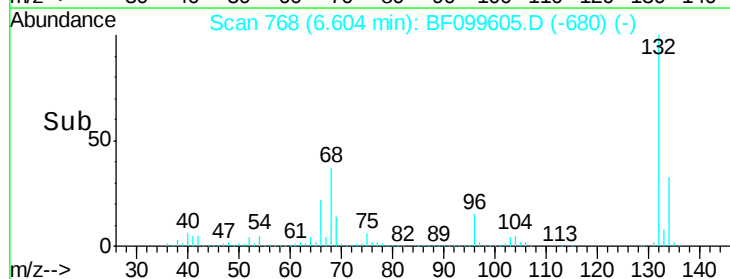
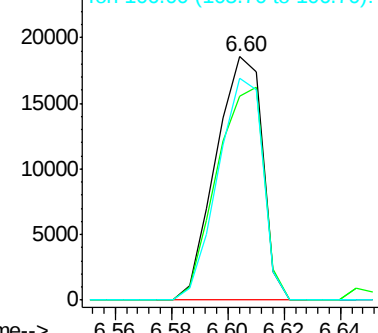
77 100

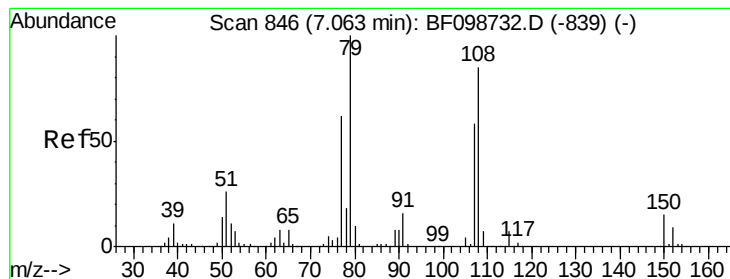
105 83.6 81.1 121.1

106 90.9 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





#15

Benzyl Alcohol

Concen: 2.64 ng

RT: 6.99 min Scan# 833

Delta R.T. 0.01 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

Instrument :

BNA_F

ClientSampled :

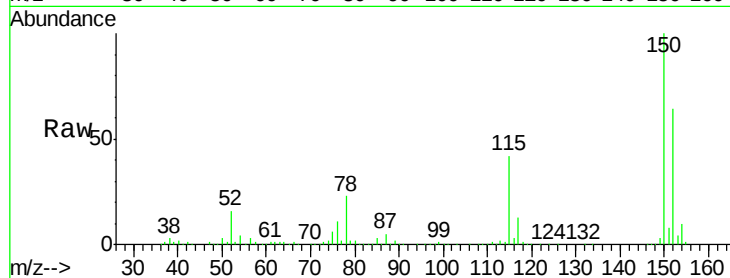
Tot Ion: 79 Resp: 15614

Ion Ratio Lower Upper

79 100

108 28.4 65.1 97.7#

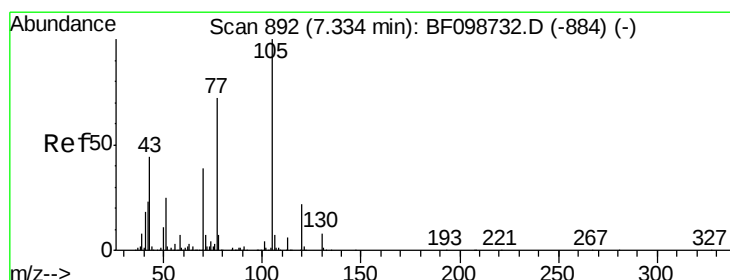
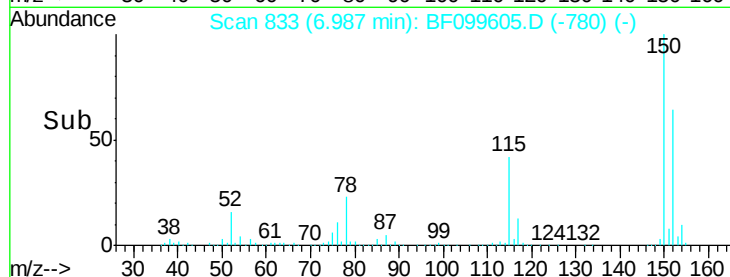
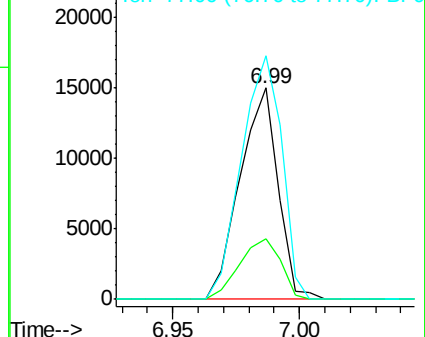
77 115.1 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 26.79 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

Tgt Ion: 70 Resp: 137746

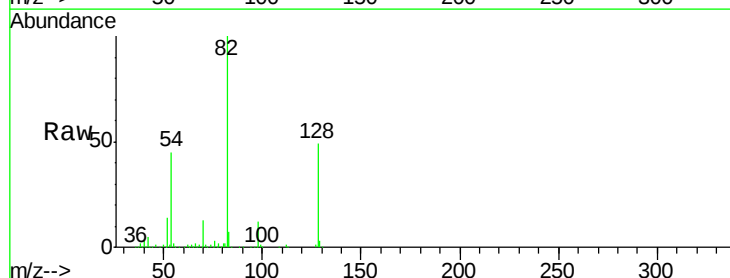
Ion Ratio Lower Upper

70 100

42 41.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

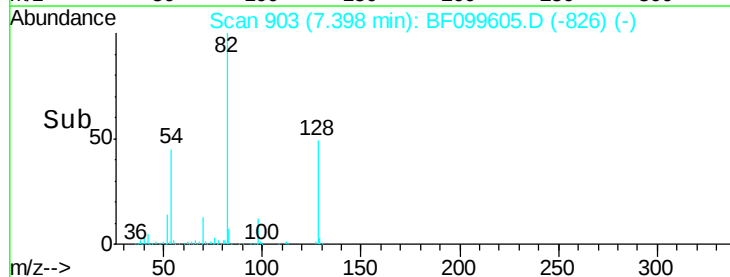
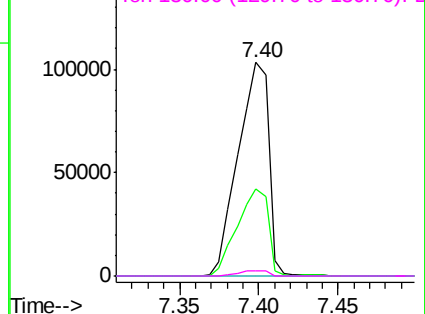


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

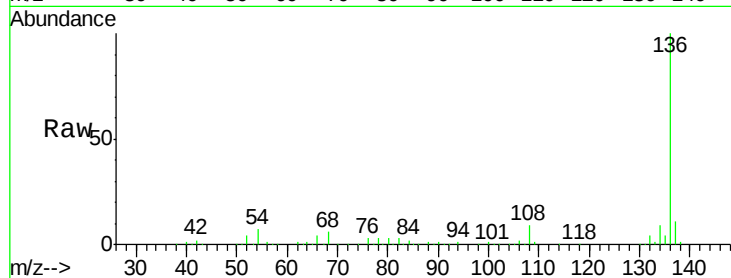




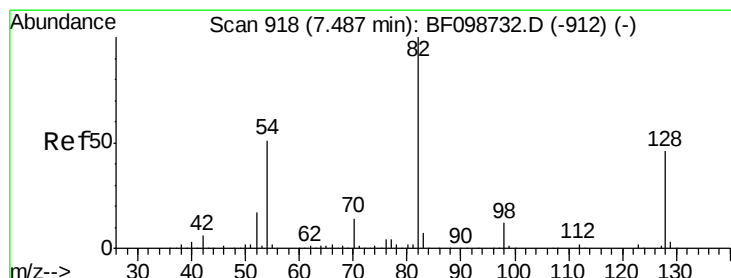
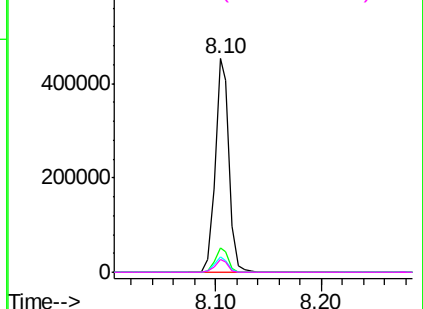
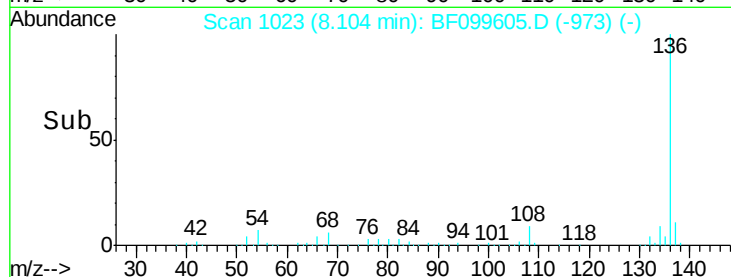
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	420501
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	7.5	6.6 9.8
68	6.1	5.0 7.4

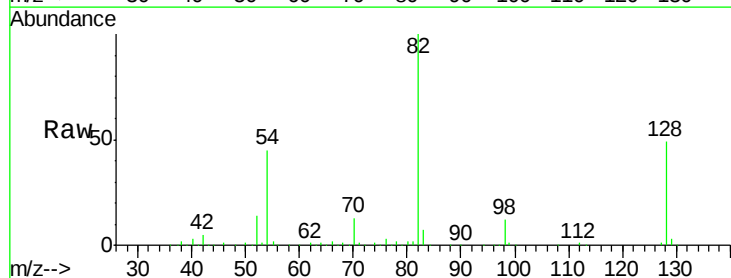


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

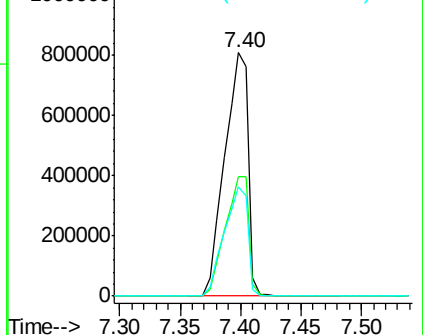
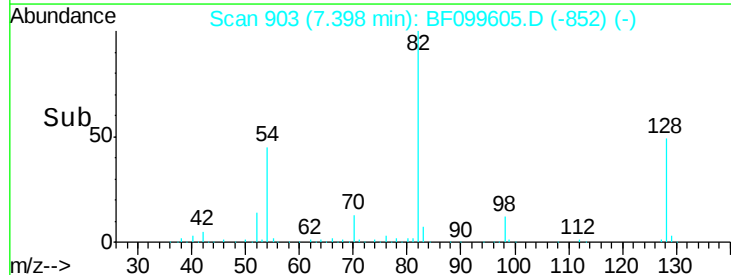


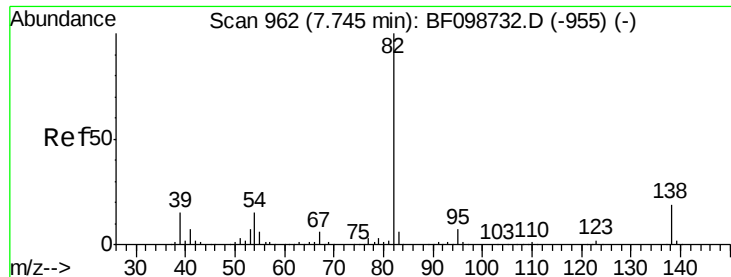
#23
Nitrobenzene-d5
Concen: 164.95 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.00 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

Tgt Ion: 82	Resp:	1081584
Ion Ratio	Lower	Upper
82	100	
128	48.9	36.1 54.1
54	44.9	41.4 62.2



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





#25

Isophorone

Concen: 79.78 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.25 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

Instrument :

BNA_F

ClientSampled :

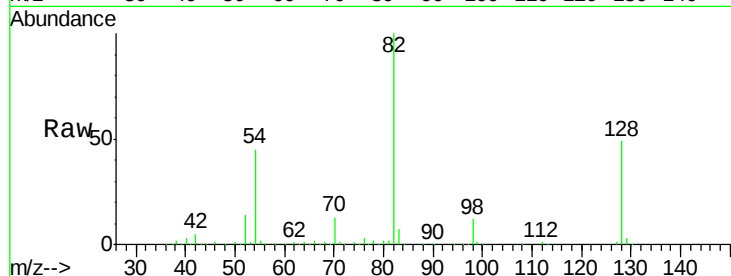
Tot Ion: 82 Resp: 1081570

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

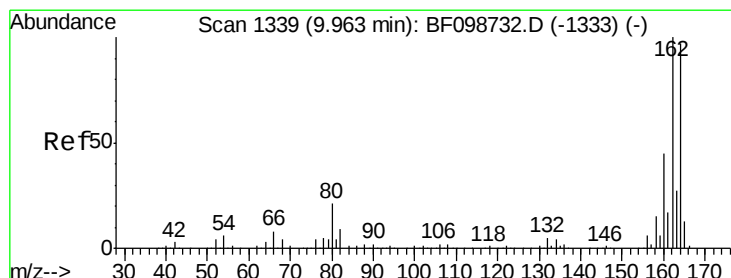
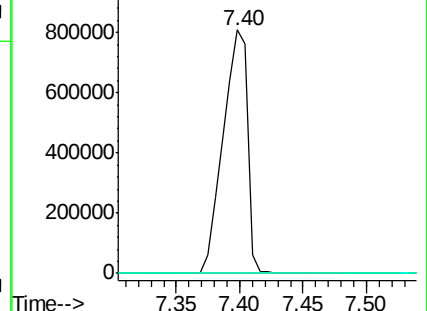
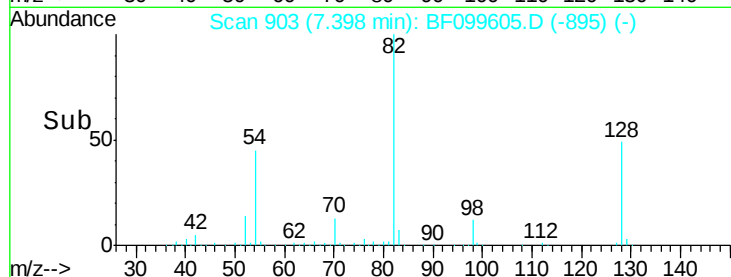
138 0.0 14.9 22.3#



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: 9.86 min Scan# 1322

Delta R.T. -0.00 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

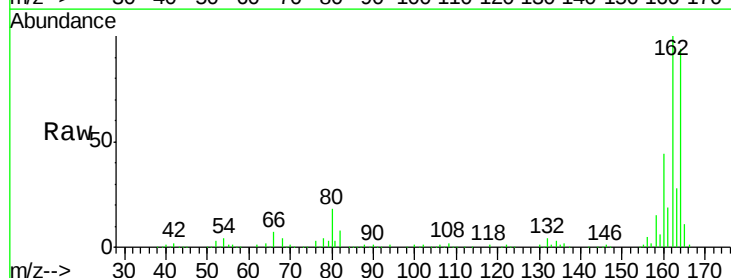
Tgt Ion:164 Resp: 183195

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

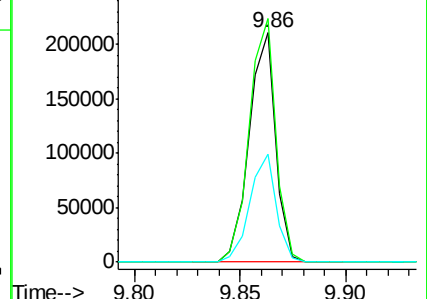
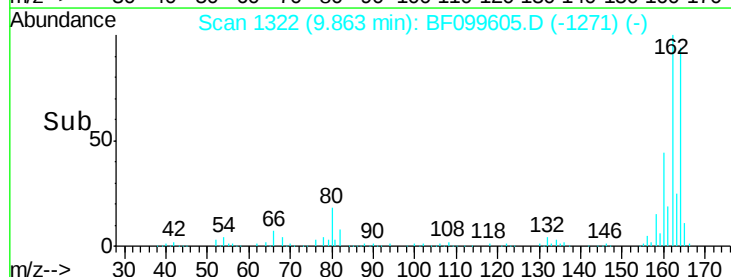
160 47.0 38.3 57.5

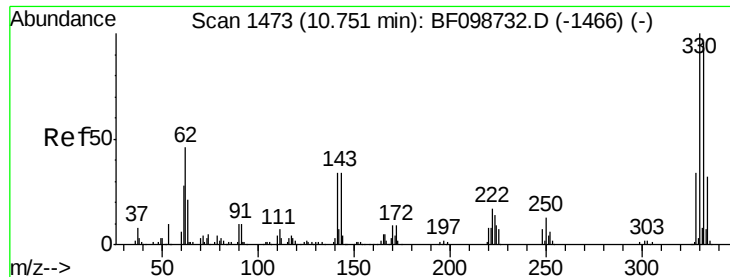


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

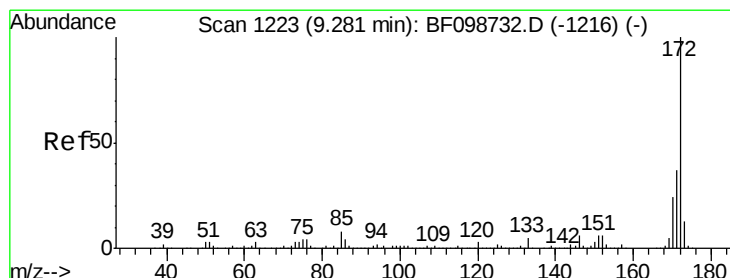
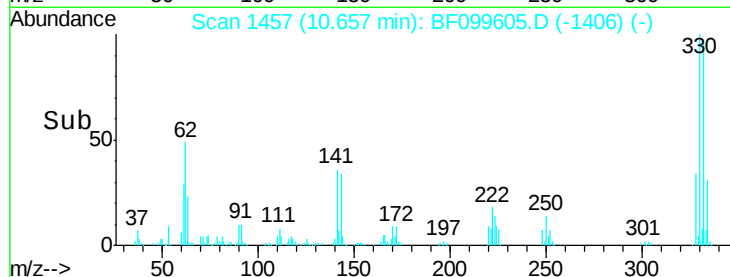
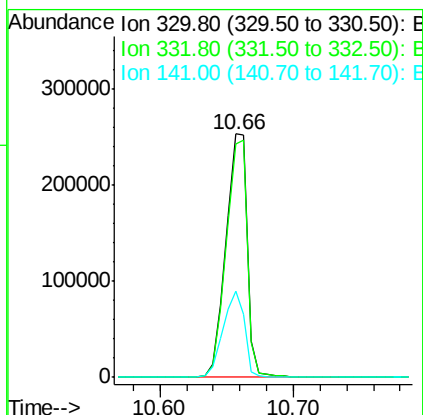
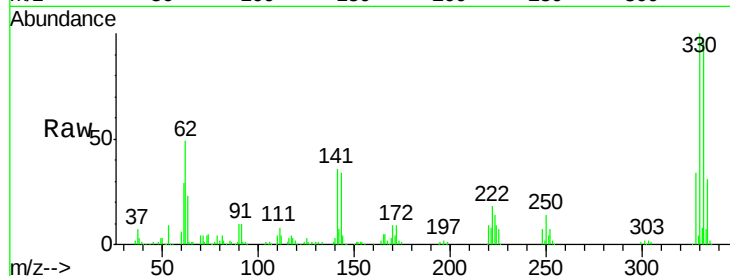




#41
 2,4,6-Tribromophenol
 Concen: 192.74 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: BF099605.D
 Acq: 18 Oct 2017 2:20

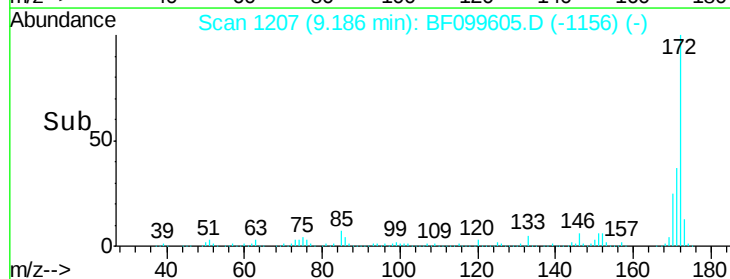
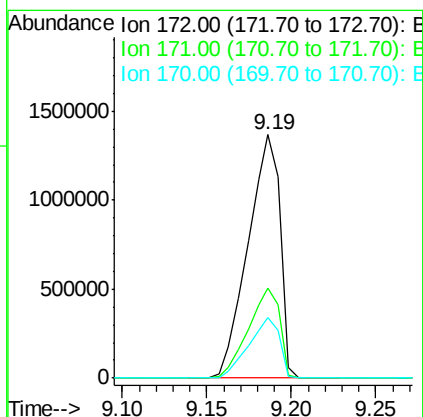
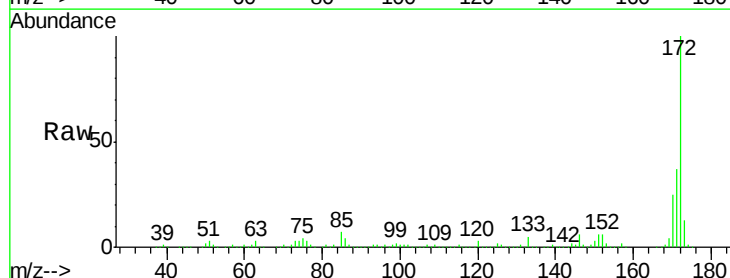
Instrument :
 BNA_F
 ClientSampleId :

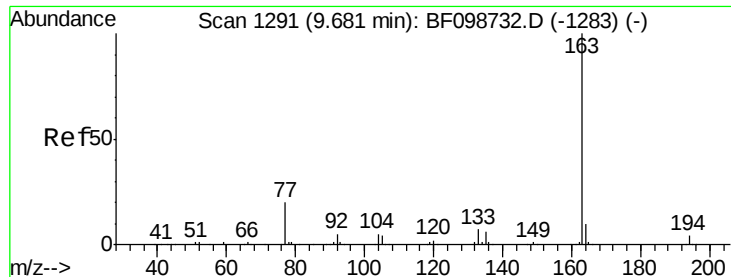
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	35.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 164.28 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF099605.D
 Acq: 18 Oct 2017 2:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.8	19.6	29.4

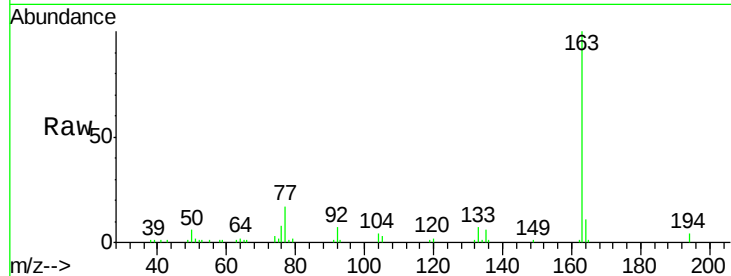




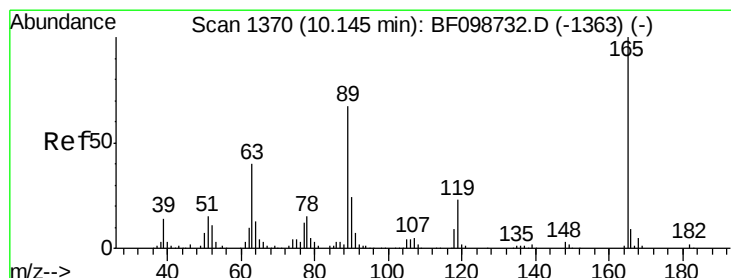
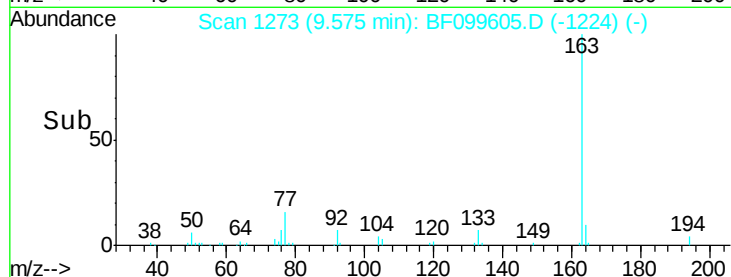
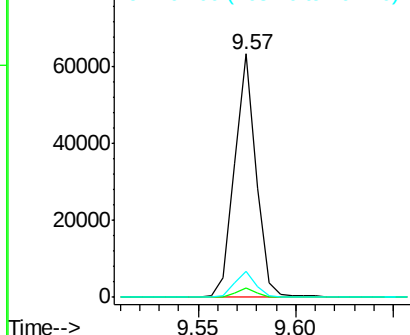
#49
Dimethylphthalate
Concen: 3.53 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 48818
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 10.5 8.2 12.2

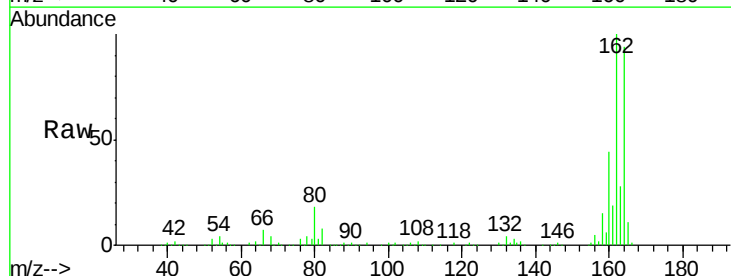


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

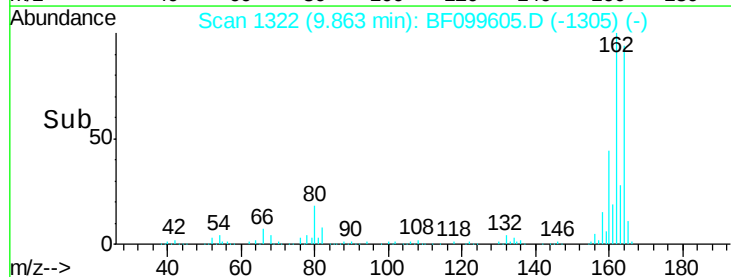
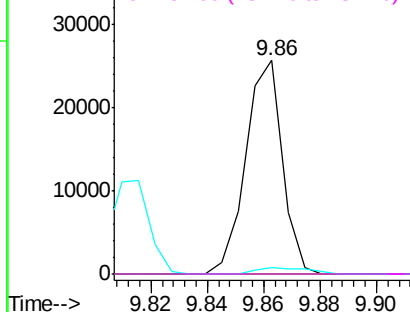


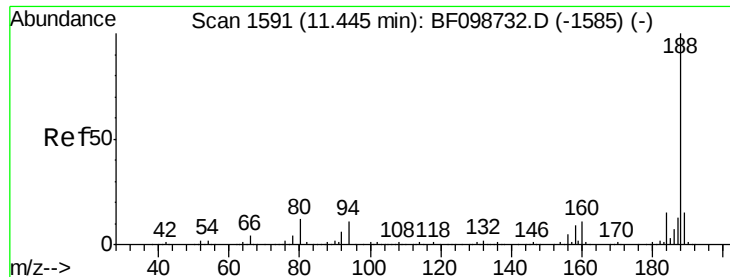
#56
2,4-Dinitrotoluene
Concen: 5.90 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.20 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

Tgt Ion:165 Resp: 23056
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 3.0 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

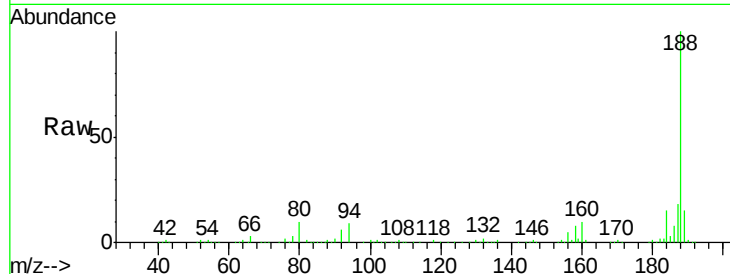




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

Instrument :
BNA_F
ClientSampleId :

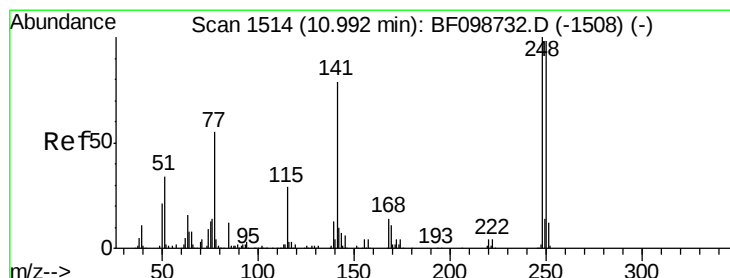
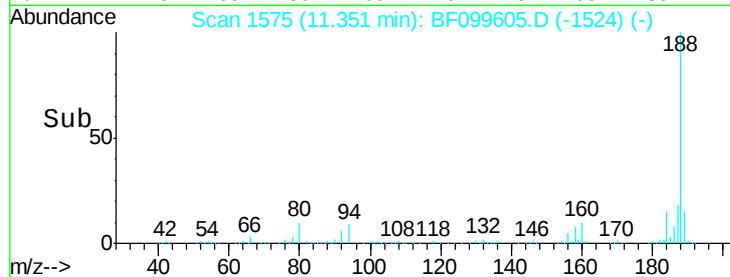
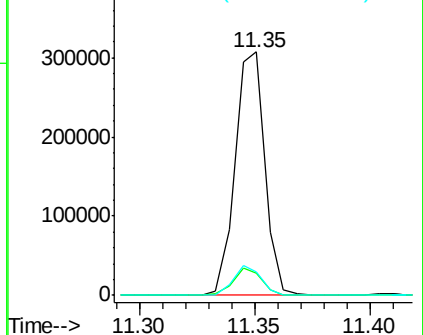
Tot Ion	188	Resp	276613
Ion Ratio	100		
Lower	8.5		
Upper	12.7		
94	8.9		
80	9.8		
Lower	9.2		
Upper	13.8		



Abundance Ion 188.00 (187.70 to 188.70): E

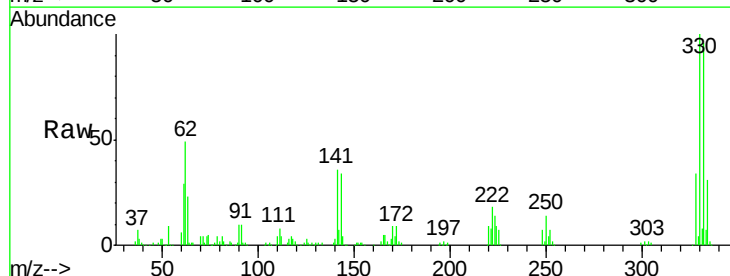
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66
4-Bromophenyl-phenylether
Concen: 7.03 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF099605.D
Acq: 18 Oct 2017 2:20

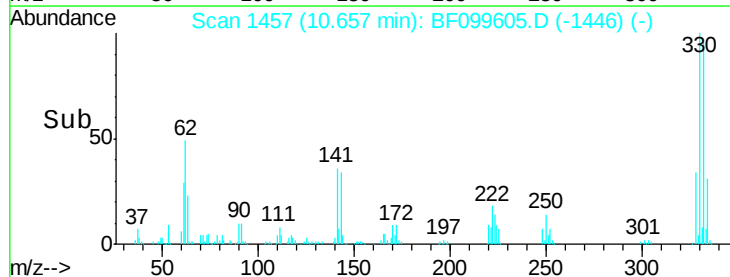
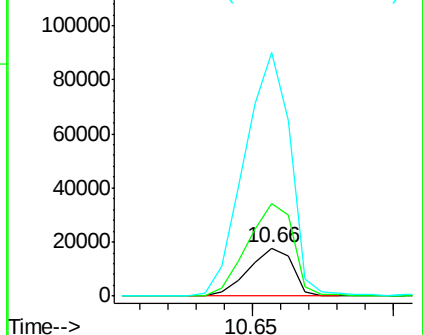
Tgt Ion	248	Resp	19040
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower <td>76.9</td> <td></td> <td></td>	76.9		
Upper <td>115.3#</td> <td></td> <td></td>	115.3#		
250	193.9		
141	508.4		
Lower <td>74.4</td> <td></td> <td></td>	74.4		
Upper <td>111.6#</td> <td></td> <td></td>	111.6#		

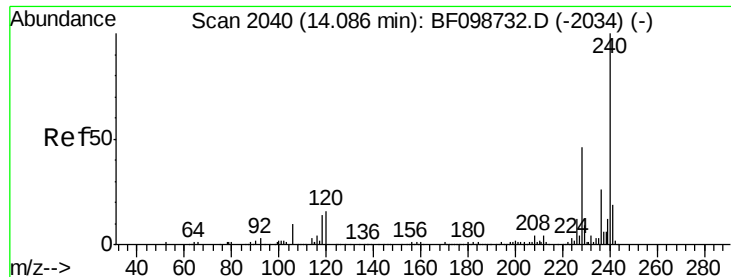


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

Instrument :

BNA_F

ClientSampleId :

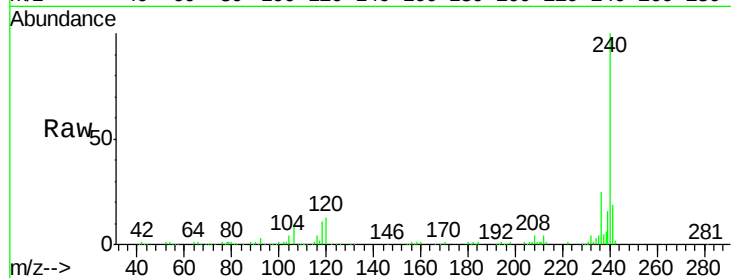
Tot Ion:240 Resp: 175272

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

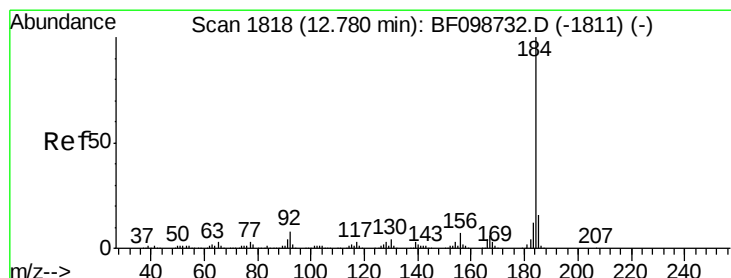
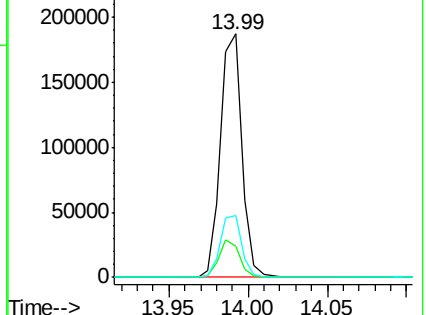
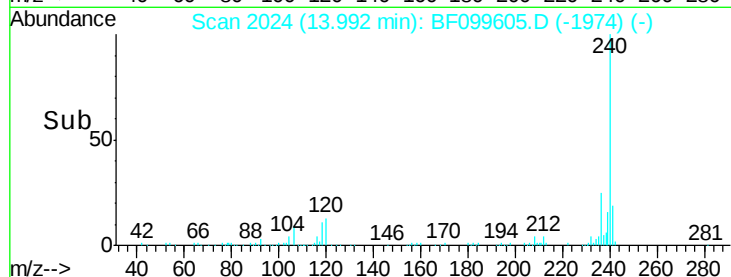
236 25.5 20.7 31.1



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



#76

Benzidine

Concen: 2.26 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.25 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

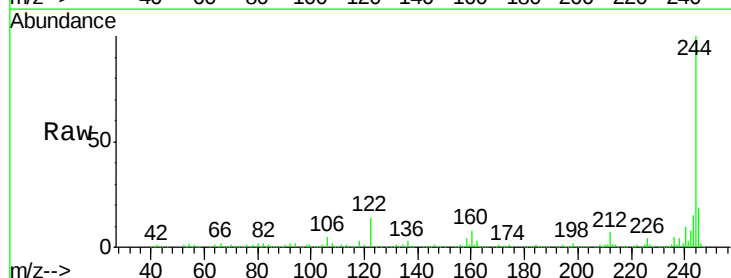
Tgt Ion:184 Resp: 14663

Ion Ratio Lower Upper

184 100

185 16.3 12.6 18.8

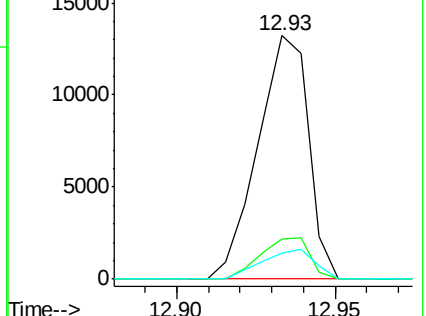
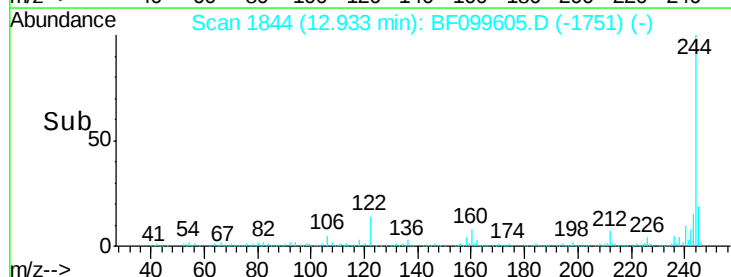
183 10.4 9.3 13.9

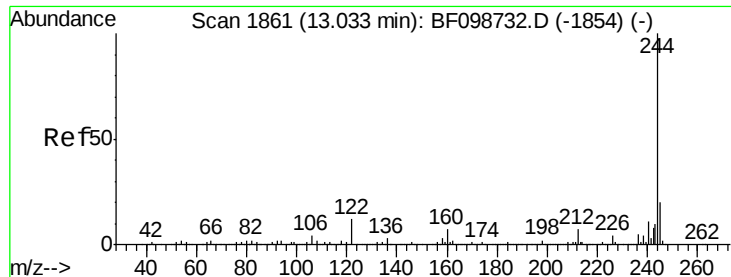


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 145.08 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

Instrument :

BNA_F

ClientSampled :

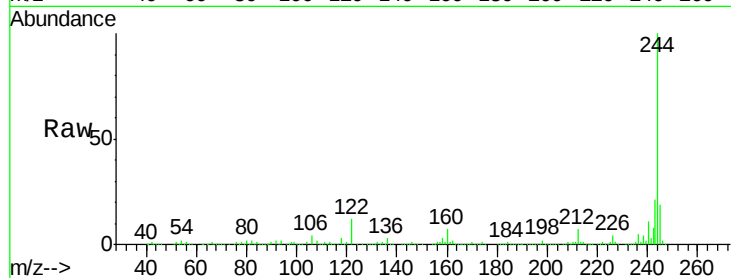
Tot Ion:244 Resp: 1118135

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

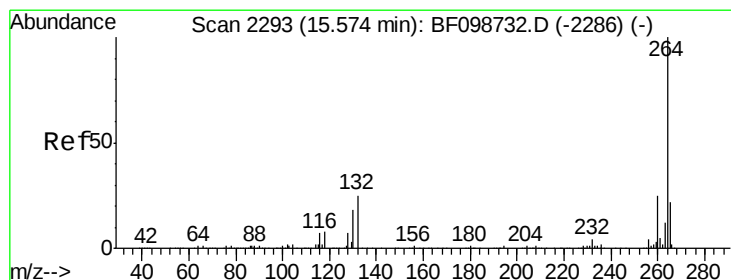
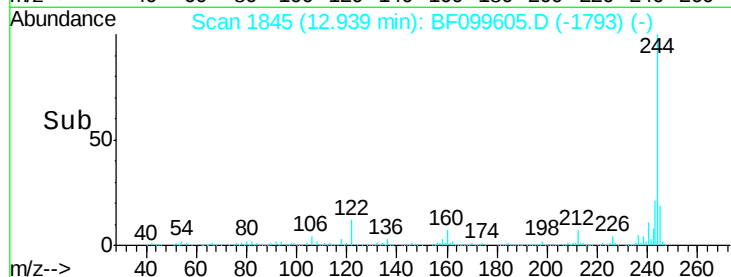
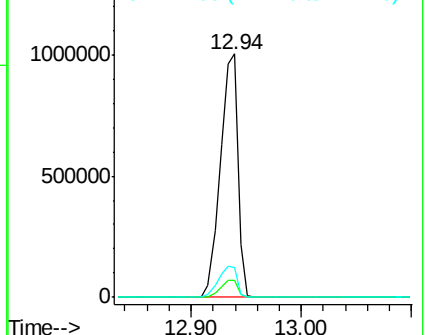
122 12.3 11.0 16.4



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: 15.45 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF099605.D

Acq: 18 Oct 2017 2:20

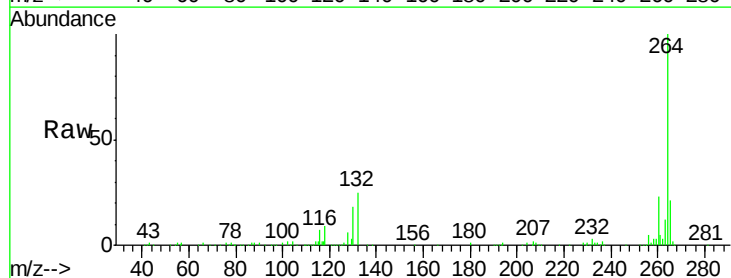
Tgt Ion:264 Resp: 190993

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.3 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

