

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099368.D
 Acq On : 12 Oct 2017 2:21
 Operator : SJ/JU
 Sample : I5710-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 12 02:47:12 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

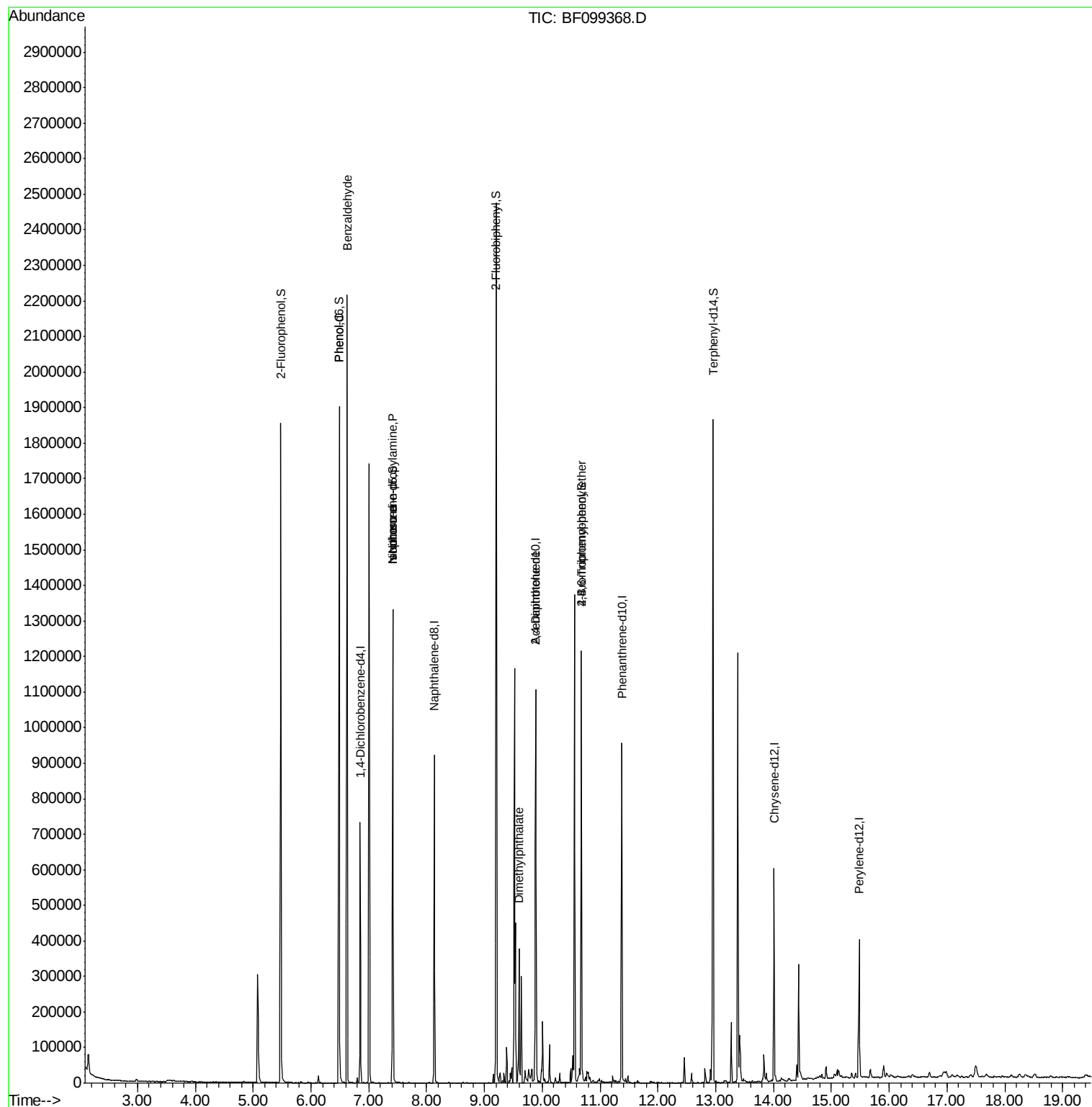
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105121	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	430699	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	192553	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	332337	20.00	ng	0.00
75) Chrysene-d12	14.01	240	179621	20.00	ng	0.00
86) Perylene-d12	15.48	264	167645	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	583371	88.34	ng	0.00
7) Phenol-d6	6.49	99	700674	86.01	ng	0.00
23) Nitrobenzene-d5	7.42	82	439014	65.37	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	134736	85.51	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	831641	72.10	ng	0.00
78) Terphenyl-d14	12.96	244	636338	80.57	ng	0.00
Target Compounds						
9) Benzaldehyde	6.62	77	11457	2.42	ng	Qvalue 87
10) Phenol	6.49	94	23542	2.58	ng	# 74
19) n-Nitroso-di-n-propylamine	7.42	70	54963	10.57	ng	# 74
25) Isophorone	7.42	82	439010	31.62	ng	# 64
49) Dimethylphthalate	9.60	163	127243	8.76	ng	100
56) 2,4-Dinitrotoluene	9.89	165	23904	5.82	ng	# 23
66) 4-Bromophenyl-phenylether	10.67	248	9235	2.84	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: BF099368.D

Acq: 12 Oct 2017 2:21

Instrument :

BNA_F

ClientSampled :

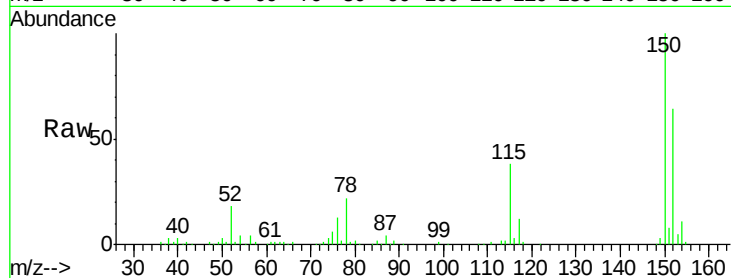
Tot Ion:152 Resp: 105121

Ion Ratio Lower Upper

152 100

150 156.6 124.6 186.8

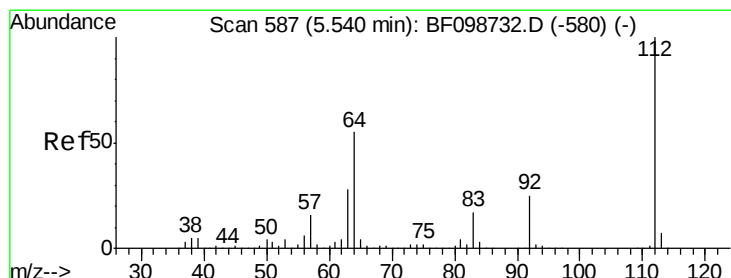
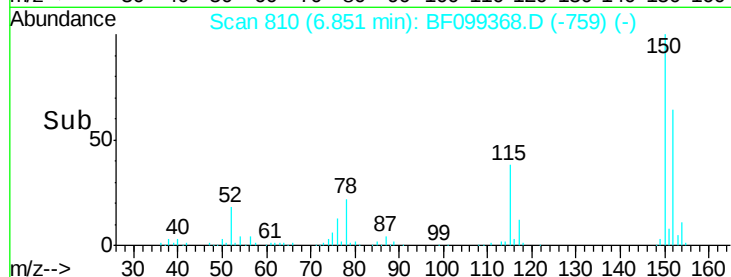
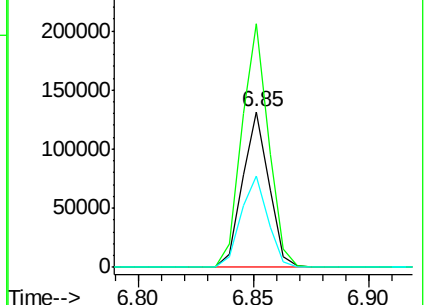
115 58.9 50.1 75.1



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: 88.34 ng

RT: 5.47 min Scan# 576

Delta R.T. 0.01 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

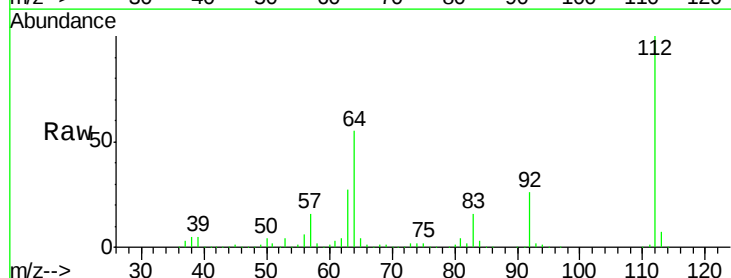
Tgt Ion:112 Resp: 583371

Ion Ratio Lower Upper

112 100

64 55.1 47.9 71.9

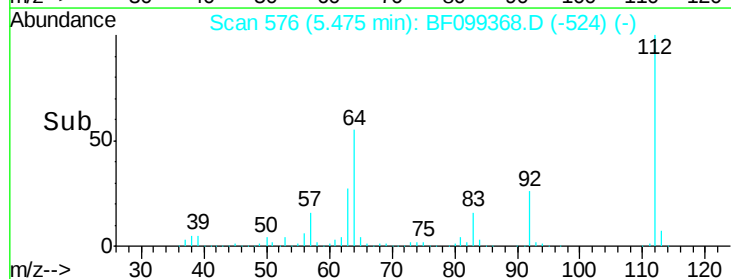
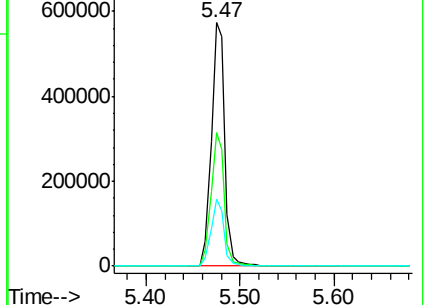
63 27.4 23.7 35.5

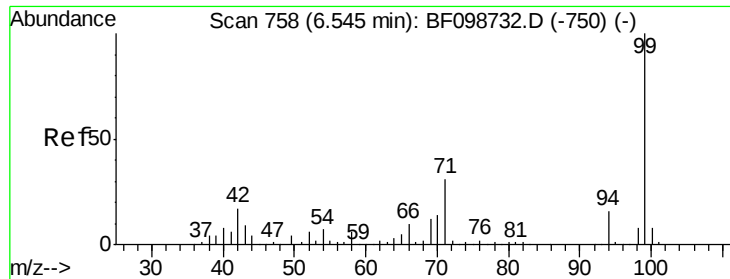


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 86.01 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

Instrument :

BNA_F

ClientSampled :

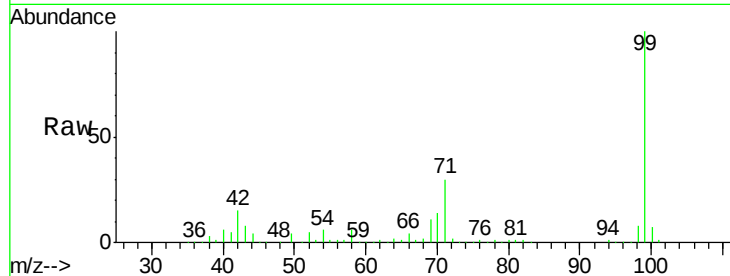
Tot Ion: 99 Resp: 700674

Ion Ratio Lower Upper

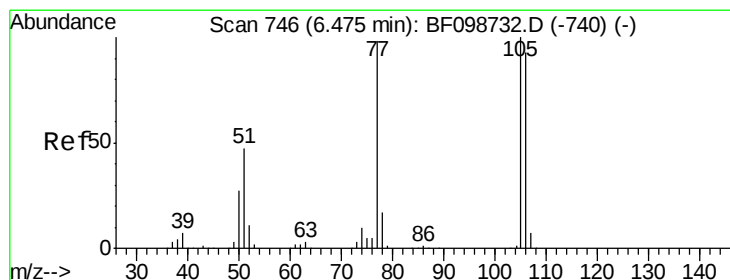
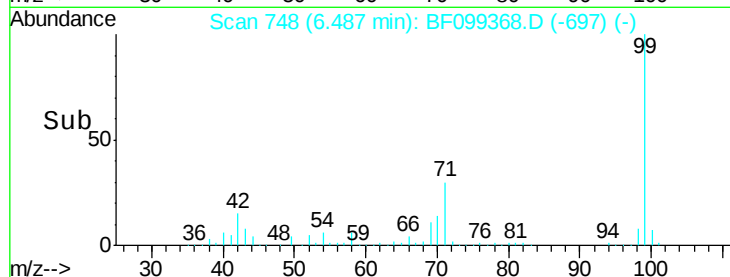
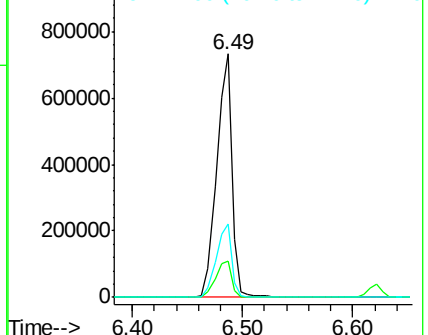
99 100

42 15.1 14.5 21.7

71 30.1 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: 2.42 ng

RT: 6.62 min Scan# 771

Delta R.T. 0.21 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

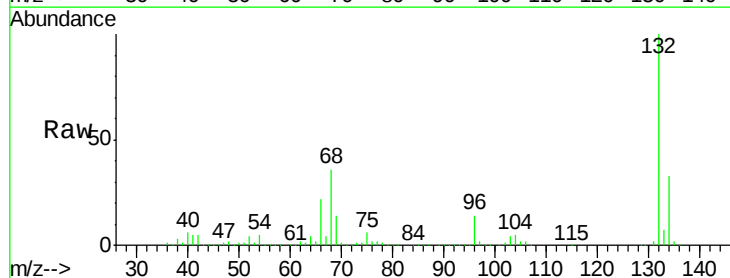
Tgt Ion: 77 Resp: 11457

Ion Ratio Lower Upper

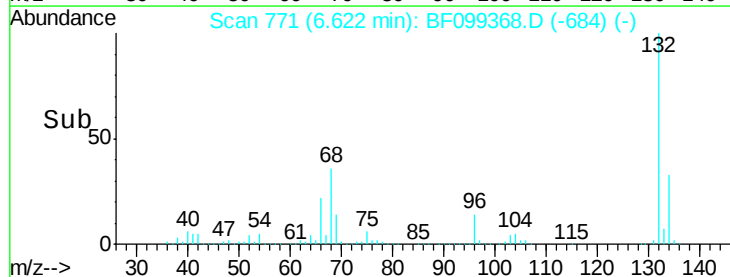
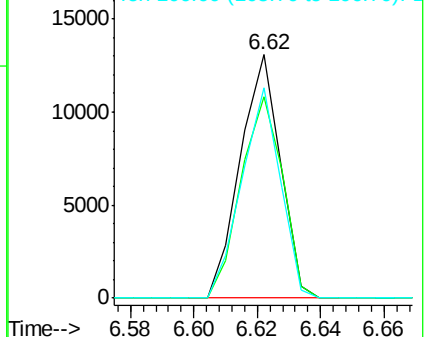
77 100

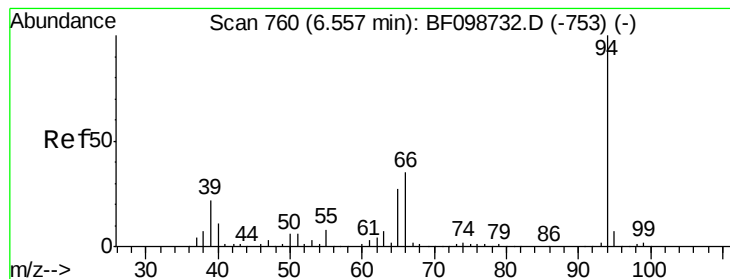
105 82.8 81.1 121.1

106 86.4 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: 2.58 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

Instrument :

BNA_F

ClientSampleId :

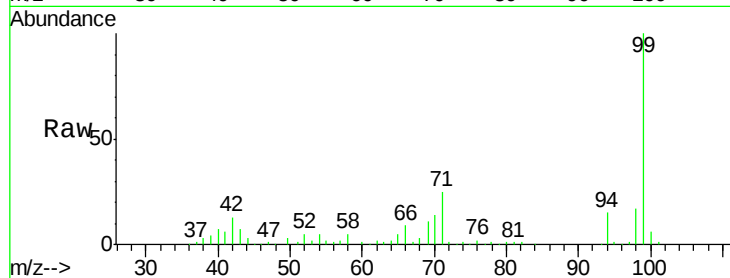
Tot Ion: 94 Resp: 23542

Ion Ratio Lower Upper

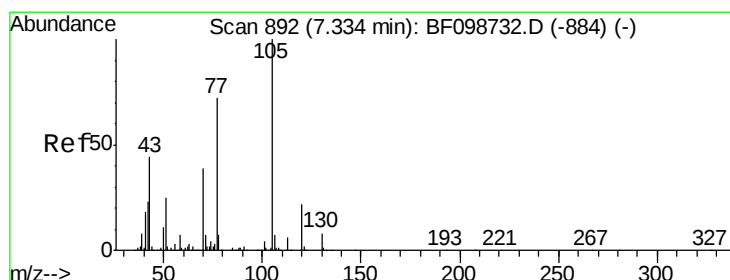
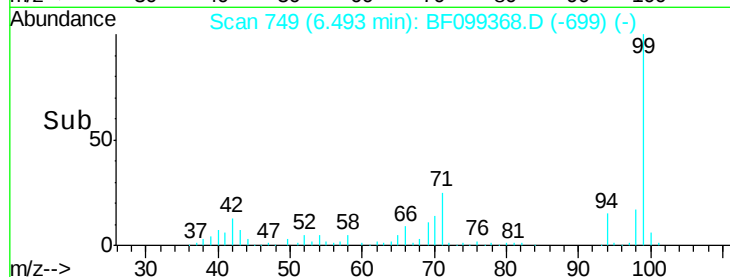
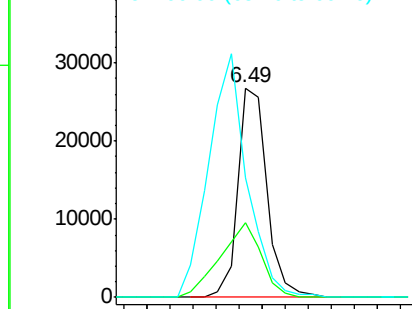
94 100

65 35.4 7.9 47.9

66 56.9 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.57 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

Tgt Ion: 70 Resp: 54963

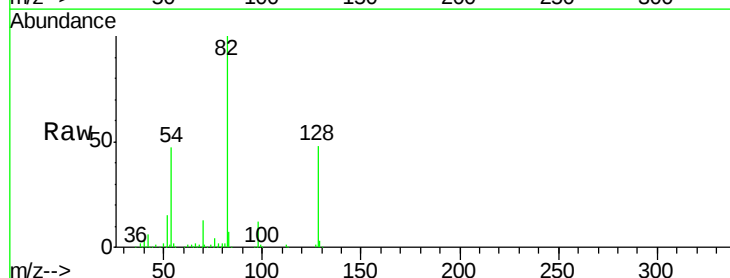
Ion Ratio Lower Upper

70 100

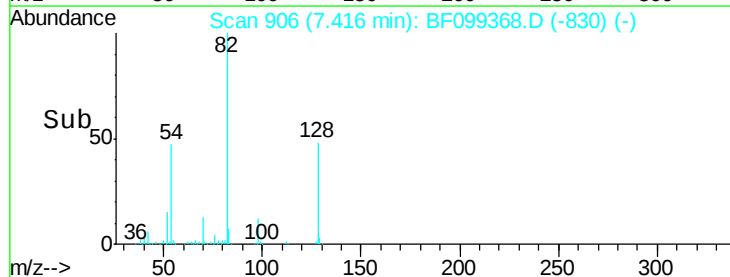
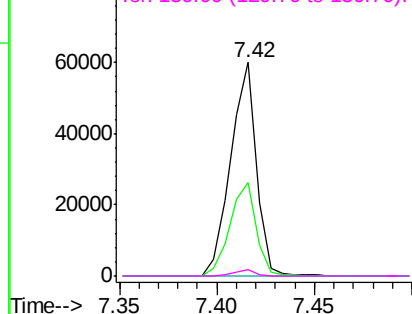
42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 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

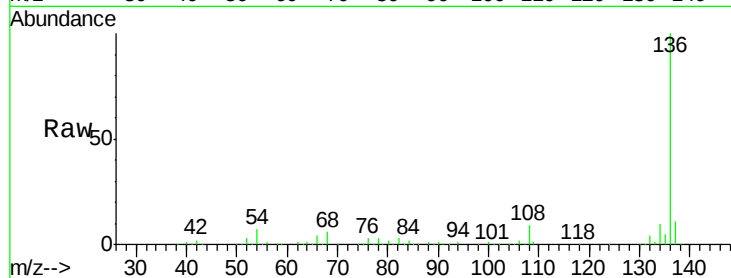




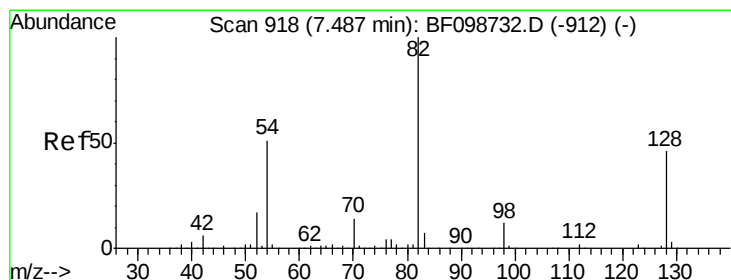
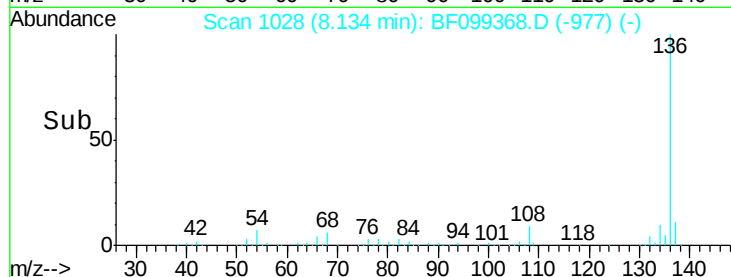
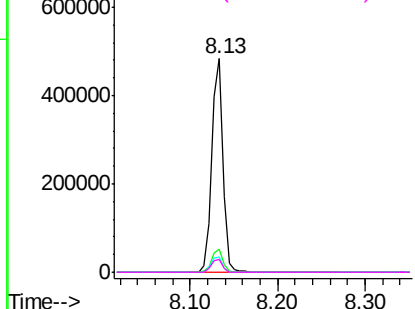
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF099368.D
Acq: 12 Oct 2017 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	430699
Ion	Ratio	Lower Upper
136	100	
137	11.1	8.9 13.3
54	7.0	6.6 9.8
68	5.9	5.0 7.4

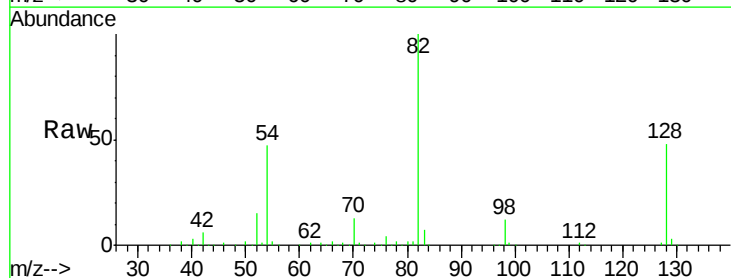


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

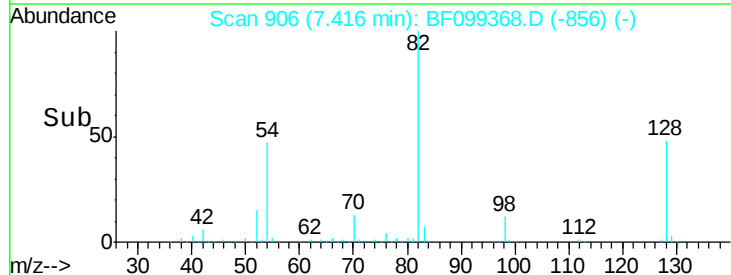
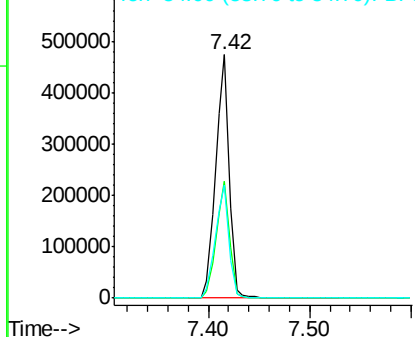


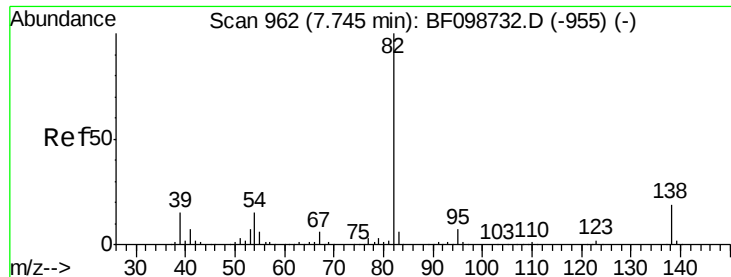
#23
Nitrobenzene-d5
Concen: 65.37 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF099368.D
Acq: 12 Oct 2017 2:21

Tgt Ion: 82	Resp:	439014
Ion	Ratio	Lower Upper
82	100	
128	48.1	36.1 54.1
54	46.7	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: 31.62 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

Instrument :

BNA_F

ClientSampleId :

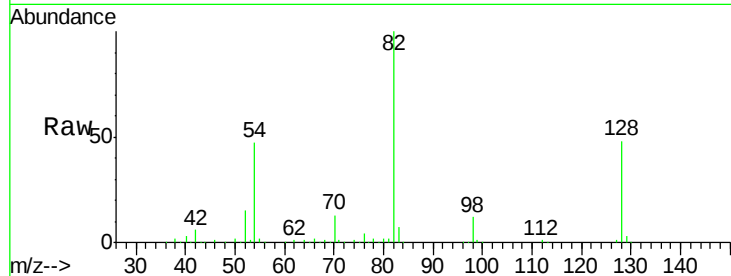
Tot Ion: 82 Resp: 439010

Ion Ratio Lower Upper

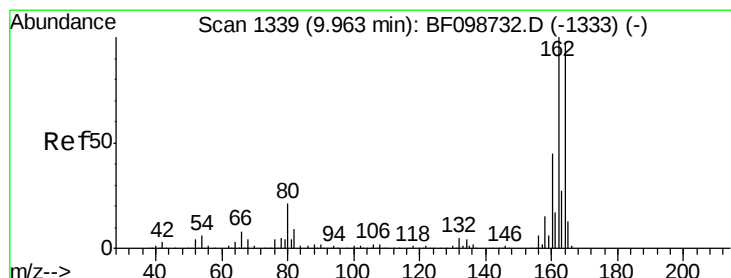
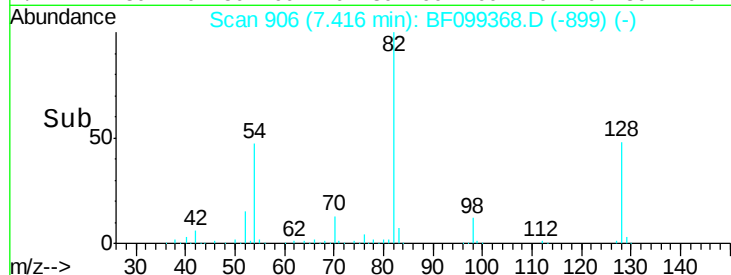
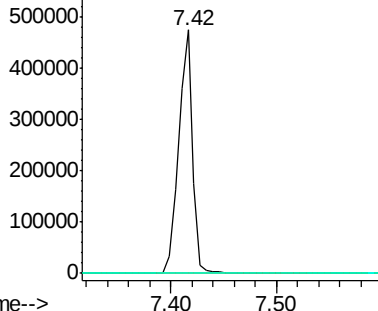
82 100

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: 9.89 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

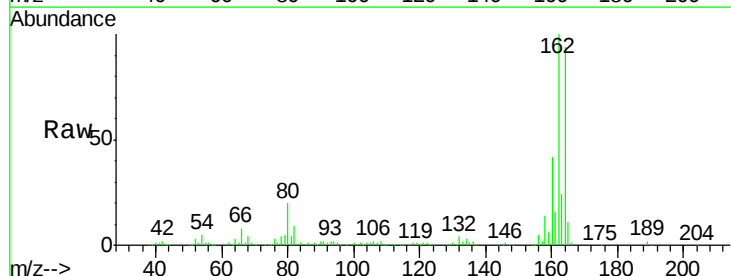
Tgt Ion:164 Resp: 192553

Ion Ratio Lower Upper

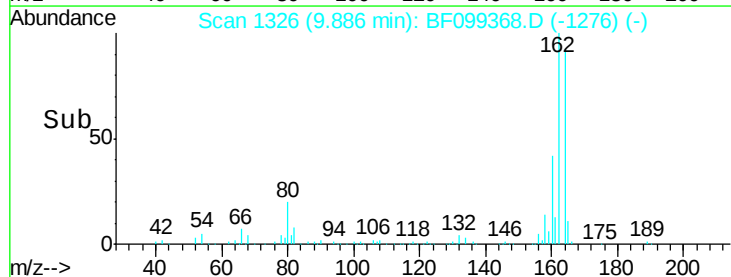
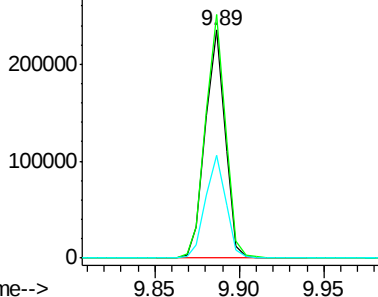
164 100

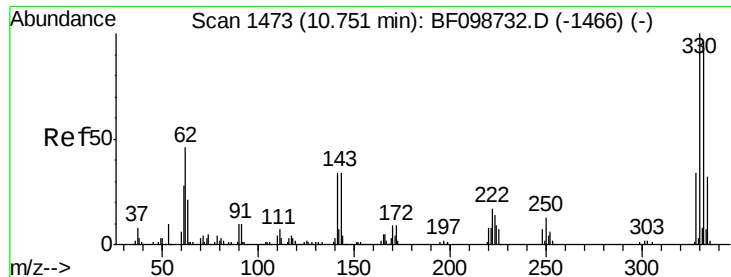
162 106.8 86.1 129.1

160 45.1 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

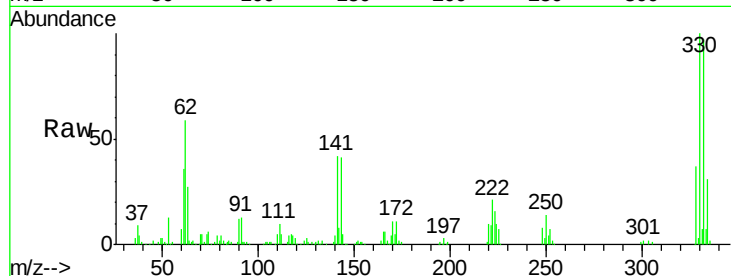




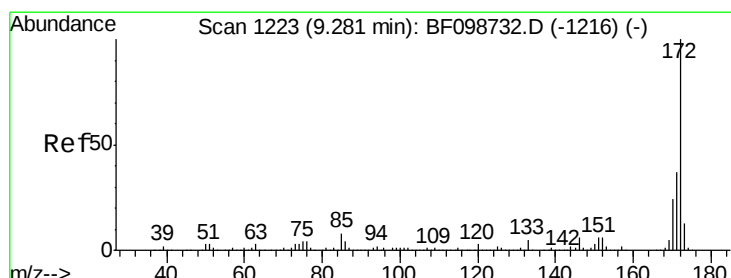
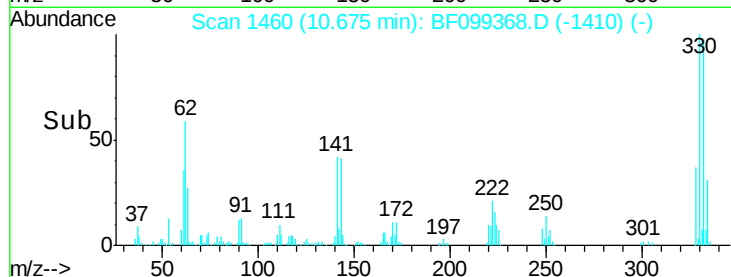
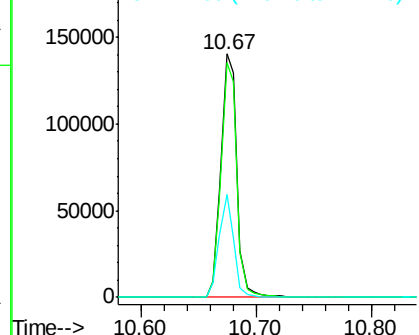
#41
 2,4,6-Tribromophenol
 Concen: 85.51 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099368.D
 Acq: 12 Oct 2017 2:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	38.9	29.9	44.9

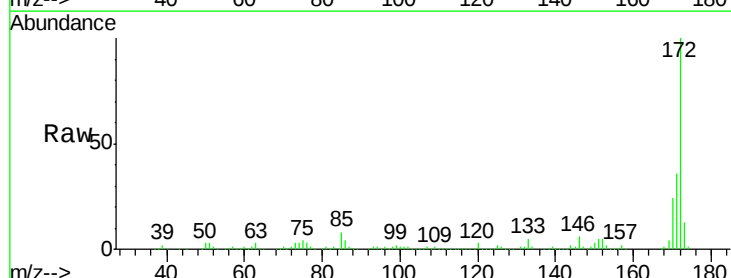


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

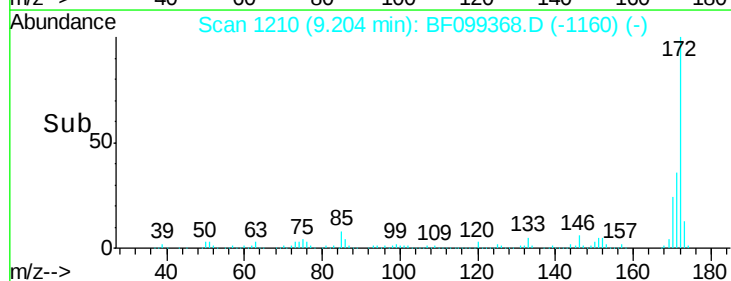
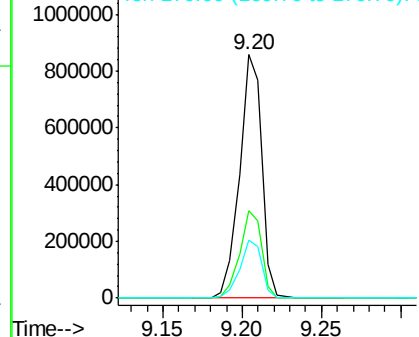


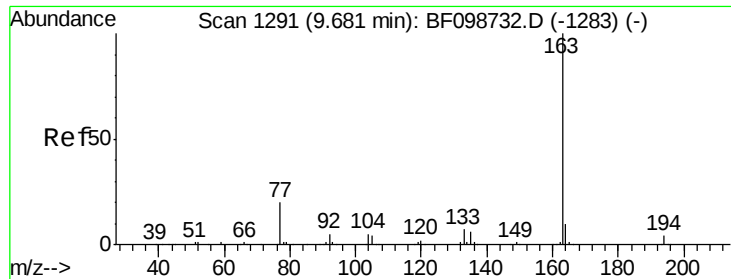
#44
 2-Fluorobiphenyl
 Concen: 72.10 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099368.D
 Acq: 12 Oct 2017 2:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	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

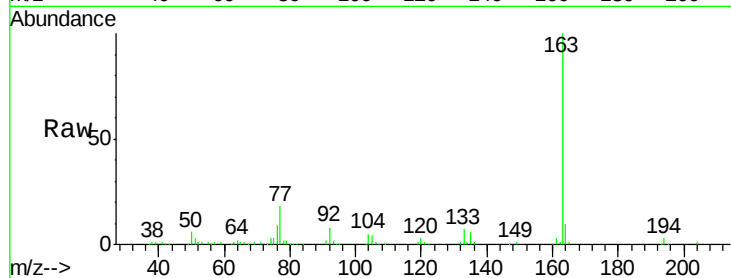




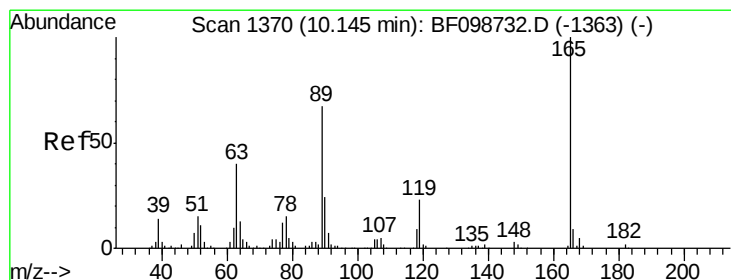
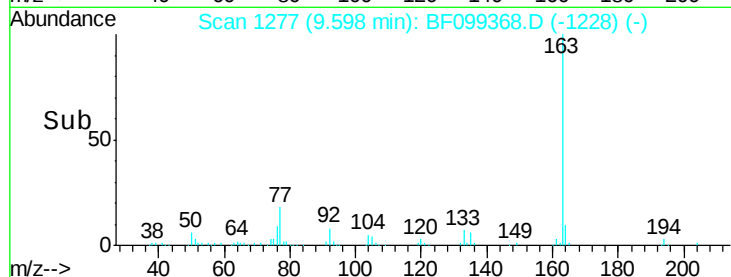
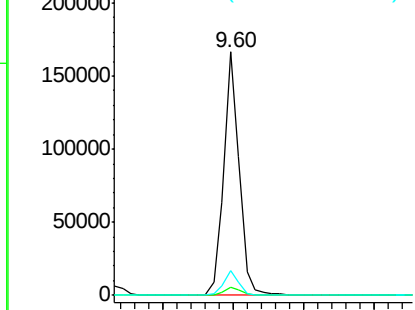
#49
Dimethylphthalate
Concen: 8.76 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099368.D
Acq: 12 Oct 2017 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 127243
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.3 8.2 12.2

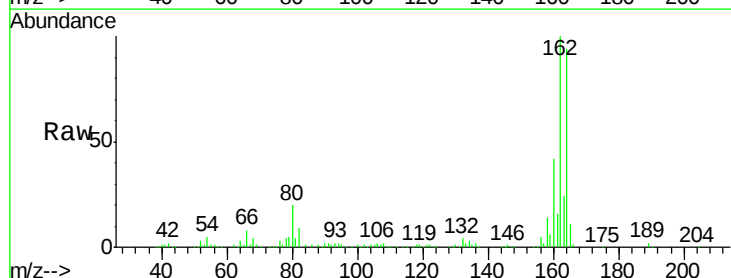


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

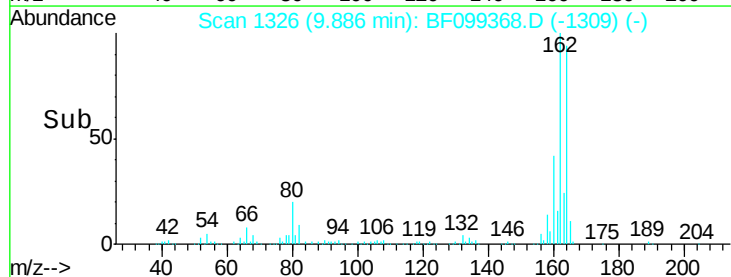
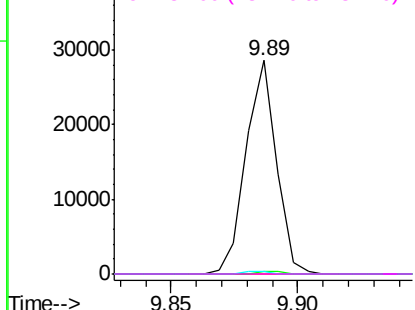


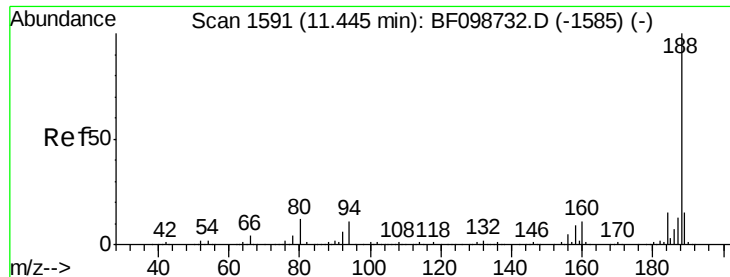
#56
2,4-Dinitrotoluene
Concen: 5.82 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.20 min
Lab File: BF099368.D
Acq: 12 Oct 2017 2:21

Tgt Ion:165 Resp: 23904
Ion Ratio Lower Upper
165 100
63 1.4 36.4 54.6#
89 1.4 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

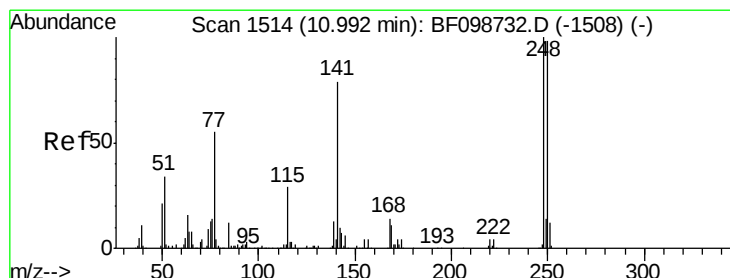
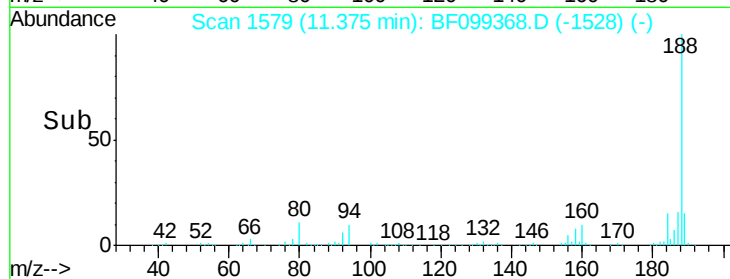
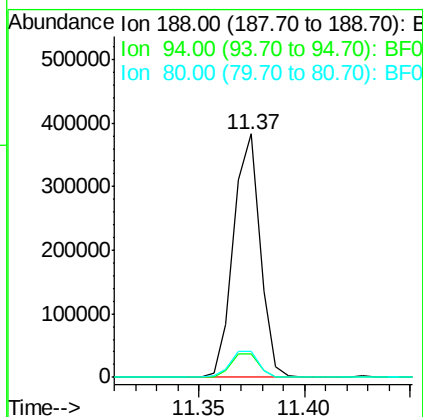
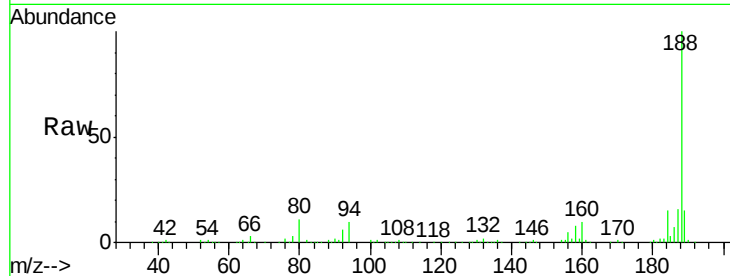




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF099368.D
Acq: 12 Oct 2017 2:21

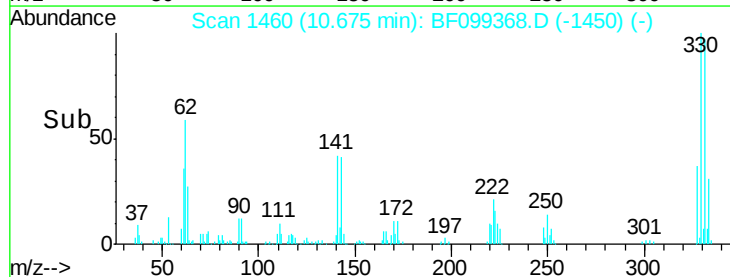
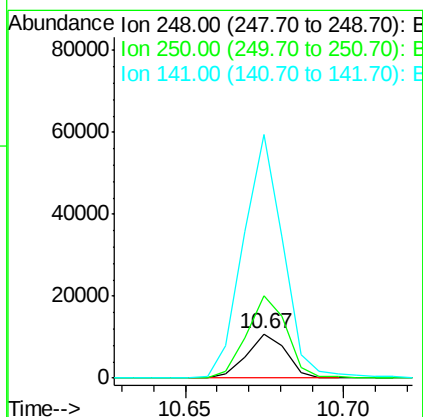
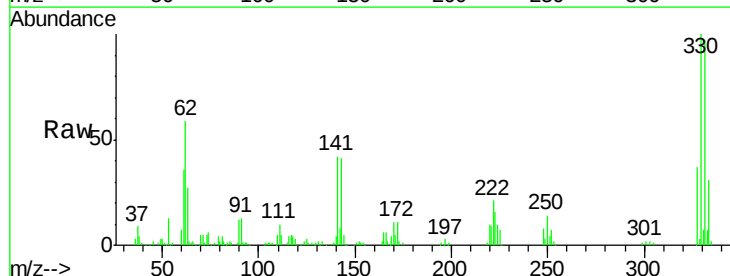
Instrument :
BNA_F
ClientSampleId :

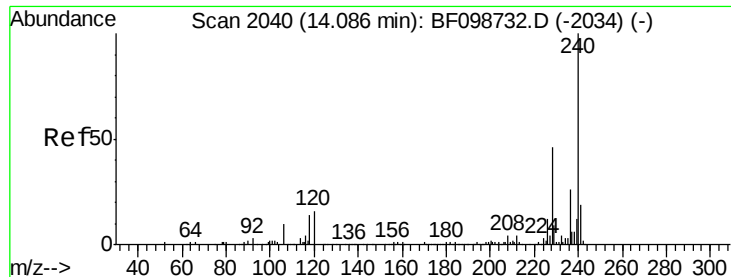
Tot Ion:188 Resp: 332337
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.6 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.84 ng
RT: 10.67 min Scan# 1460
Delta R.T. -0.24 min
Lab File: BF099368.D
Acq: 12 Oct 2017 2:21

Tgt Ion:248 Resp: 9235
Ion Ratio Lower Upper
248 100
250 185.3 76.9 115.3#
141 552.0 74.4 111.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

Instrument :

BNA_F

ClientSampleId :

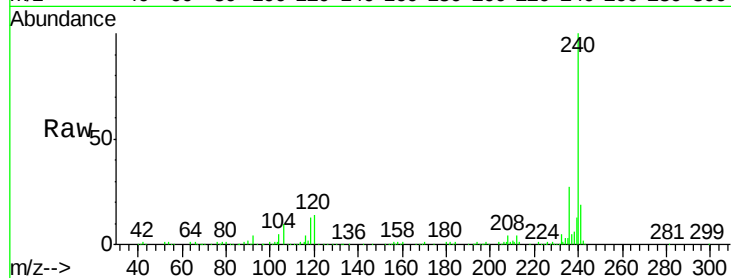
Tot Ion:240 Resp: 179621

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

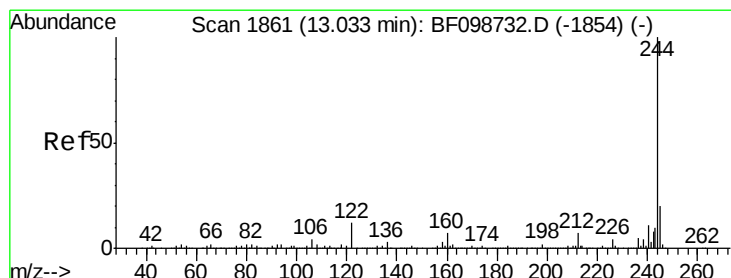
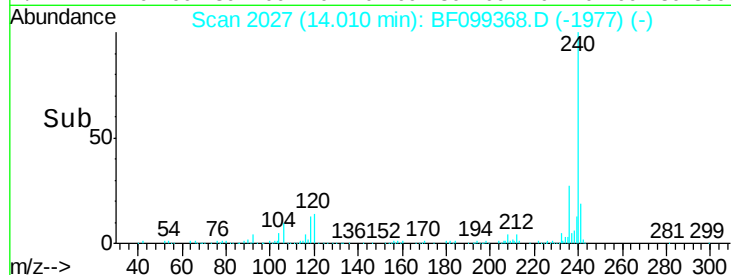
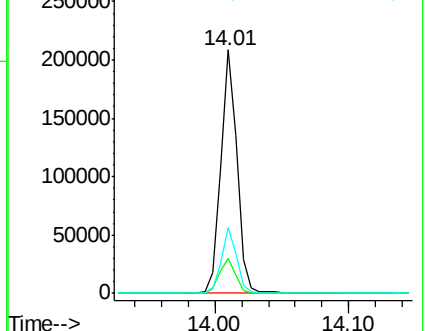
236 26.7 20.7 31.1



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: 80.57 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.00 min

Lab File: BF099368.D

Acq: 12 Oct 2017 2:21

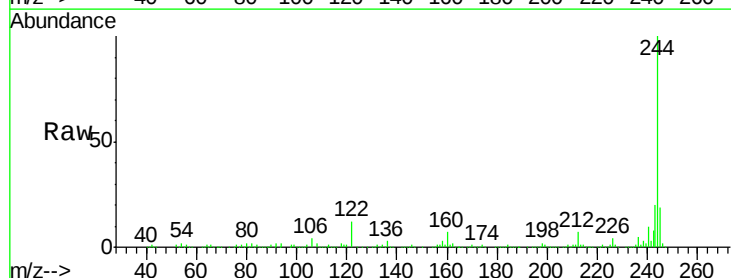
Tgt Ion:244 Resp: 636338

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

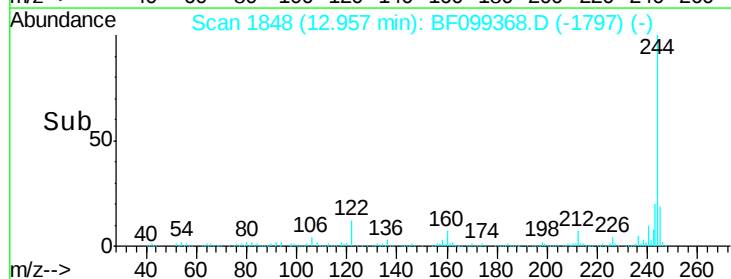
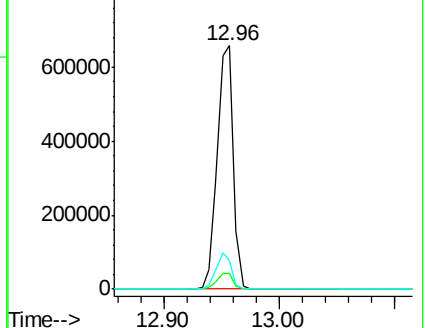
122 11.9 11.0 16.4

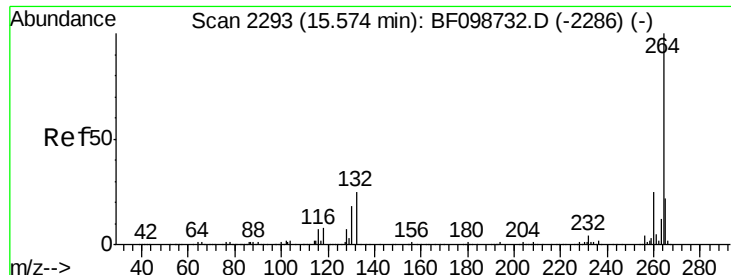


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

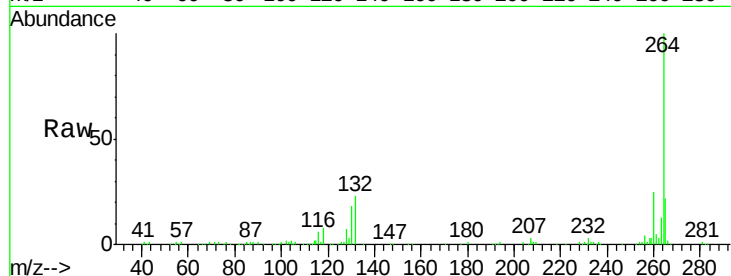




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF099368.D
Acq: 12 Oct 2017 2:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.2	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

