

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099629.D
 Acq On : 18 Oct 2017 20:47
 Operator : SJ/JU
 Sample : I5930-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 22:15:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

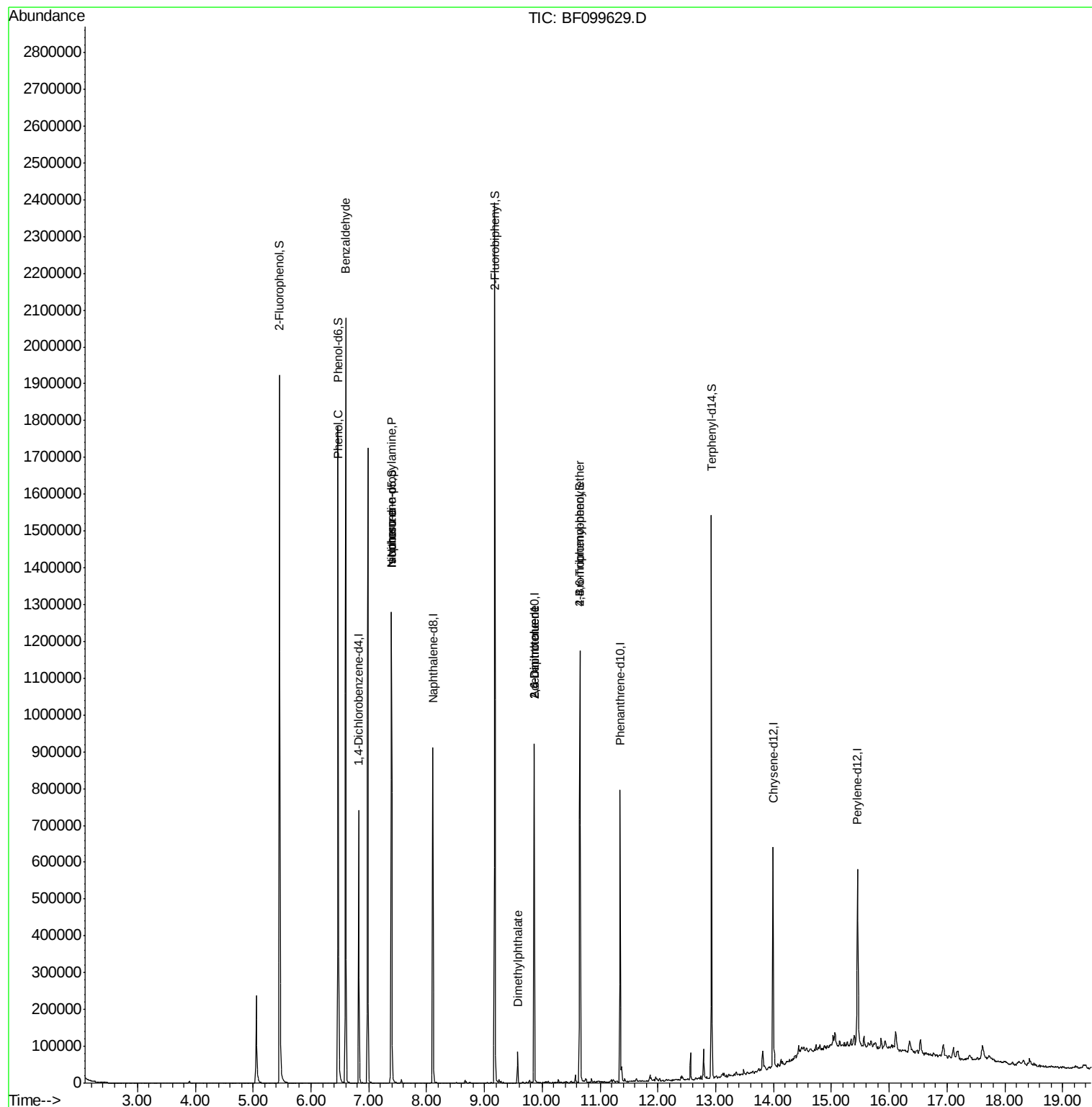
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	110165	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	453281	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	192609	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	290625	20.00	ng	0.00
75) Chrysene-d12	13.99	240	190000	20.00	ng	0.00
86) Perylene-d12	15.46	264	203406	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	604865	87.40	ng	0.00
7) Phenol-d6	6.47	99	726843	85.14	ng	-0.01
23) Nitrobenzene-d5	7.39	82	425565	60.21	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	132423	84.02	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	751454	65.13	ng	0.00
78) Terphenyl-d14	12.93	244	466387	55.82	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	11681	2.359	ng	90
10) Phenol	6.48	94	35208	3.688	ng	98
19) n-Nitroso-di-n-propylamine	7.39	70	52673	9.664	ng	# 74
25) Isophorone	7.39	82	425562	29.121	ng	# 64
49) Dimethylphthalate	9.57	163	33444	2.301	ng	99
50) 2,6-Dinitrotoluene	9.86	165	24161	7.634	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	24161	5.882	ng	# 21
66) 4-Bromophenyl-phenylether	10.65	248	8990	3.160	ng	# 1

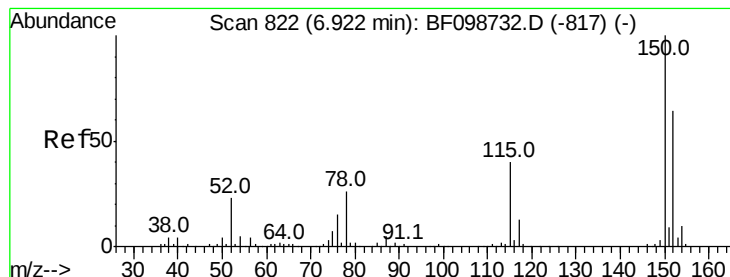
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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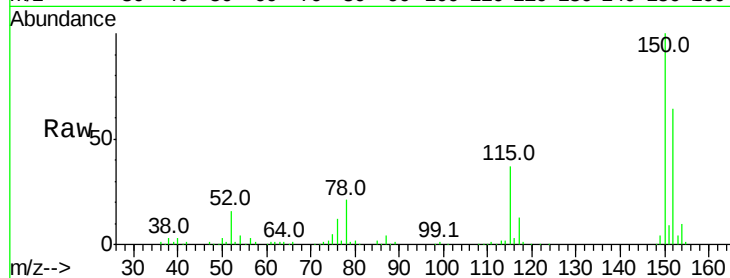


#1

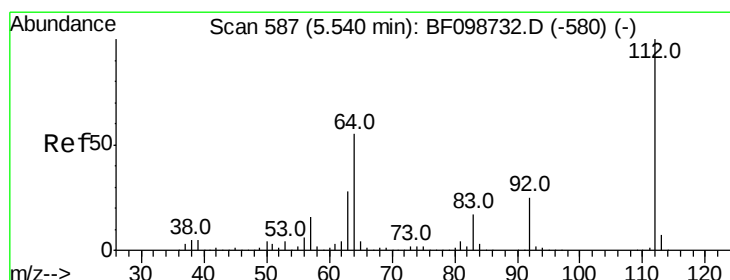
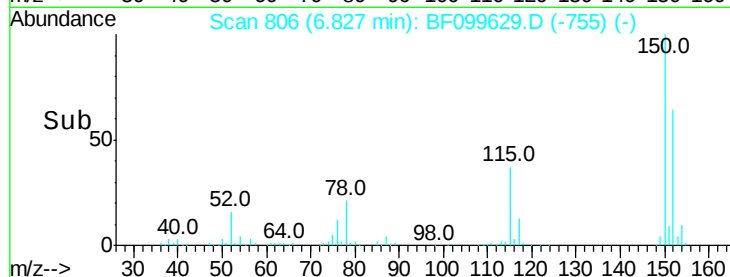
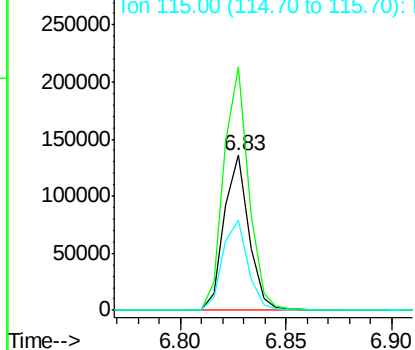
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF099629.D
 Acq: 18 Oct 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 110165
 Ion Ratio Lower Upper
 152 100
 150 156.8 124.6 186.8
 115 58.2 50.1 75.1



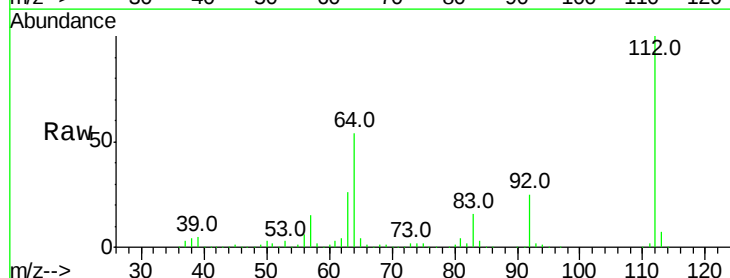
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



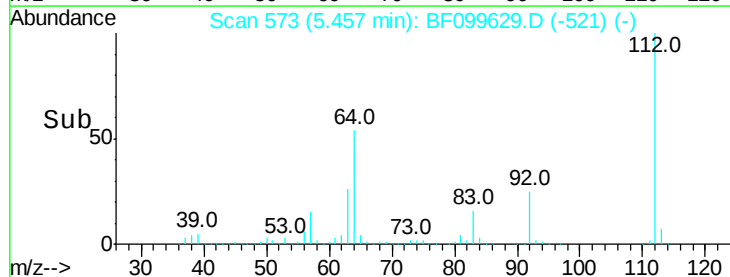
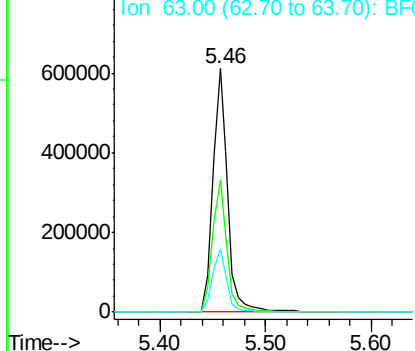
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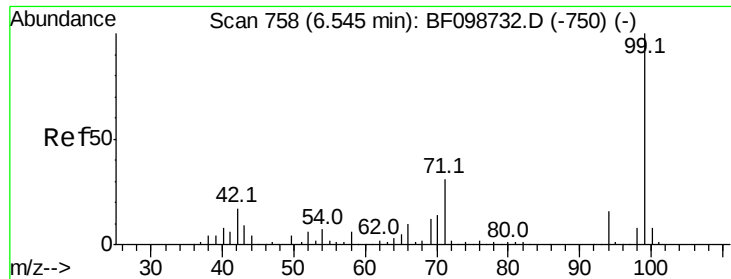
2-Fluorophenol
 Concen: 87.404 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF099629.D
 Acq: 18 Oct 2017 20:47

Tgt Ion:112 Resp: 604865
 Ion Ratio Lower Upper
 112 100
 64 54.3 47.9 71.9
 63 25.8 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: 85.140 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

Instrument :

BNA_F

ClientSampleId :

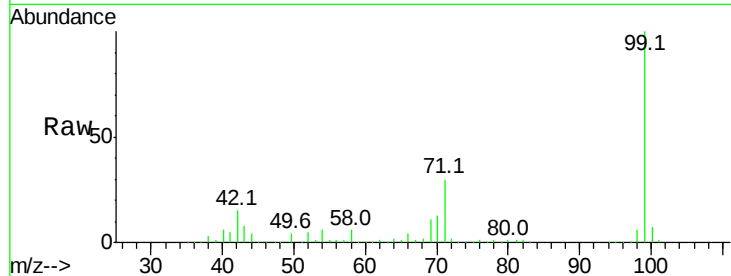
Tot Ion: 99 Resp: 726843

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

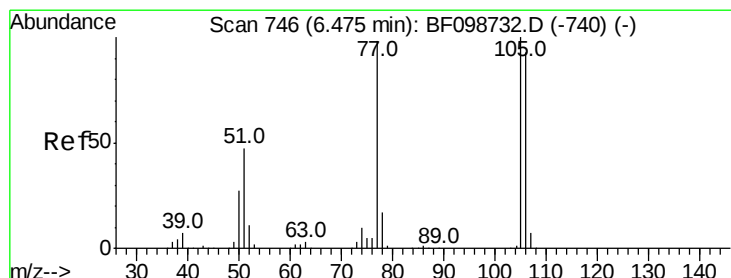
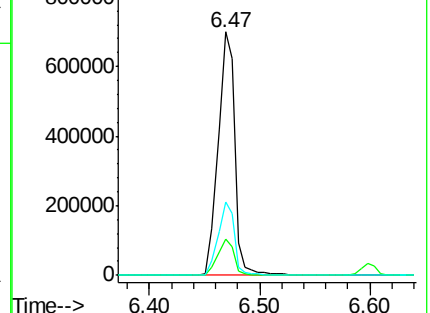
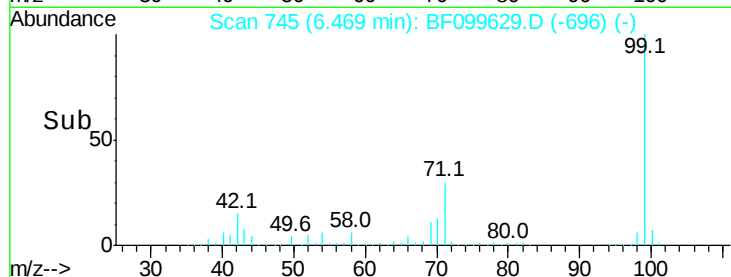
71 29.9 25.4 38.0



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: 2.359 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

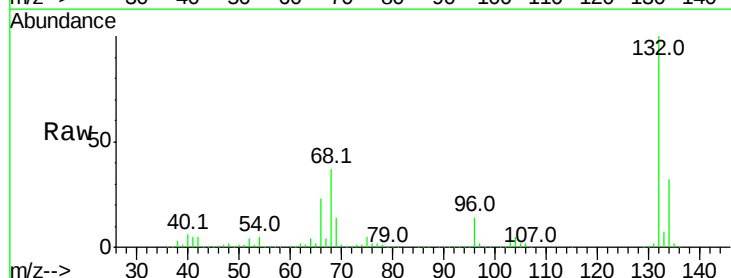
Tgt Ion: 77 Resp: 11681

Ion Ratio Lower Upper

77 100

105 90.2 81.1 121.1

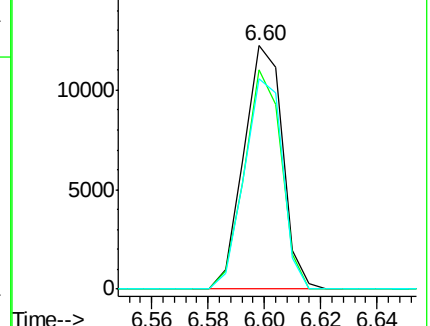
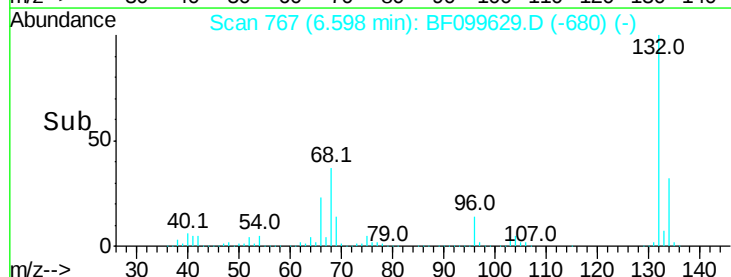
106 86.2 74.5 114.5

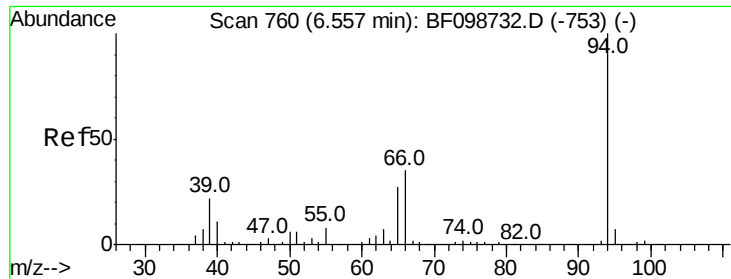


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

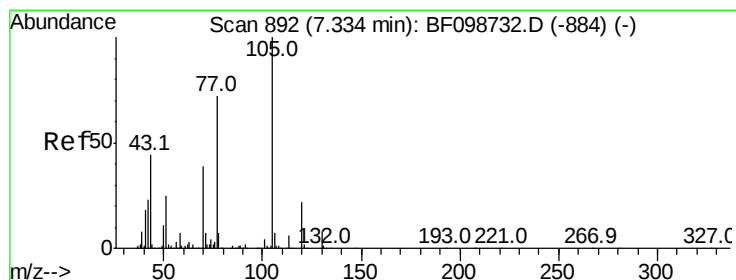
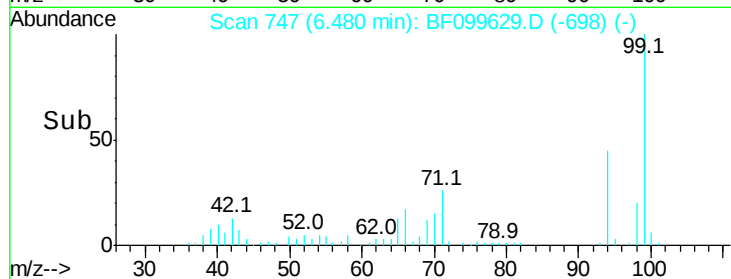
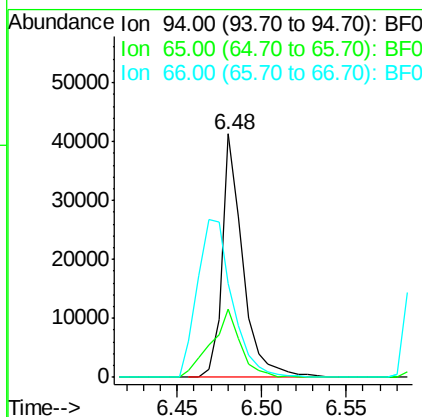
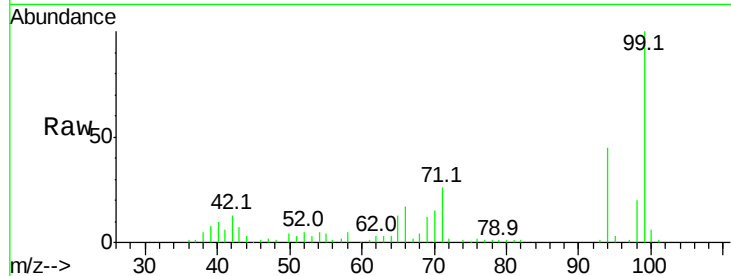




#10
Phenol
Concen: 3.688 ng
RT: 6.48 min Scan# 747
Delta R.T. -0.01 min
Lab File: BF099629.D
Acq: 18 Oct 2017 20:47

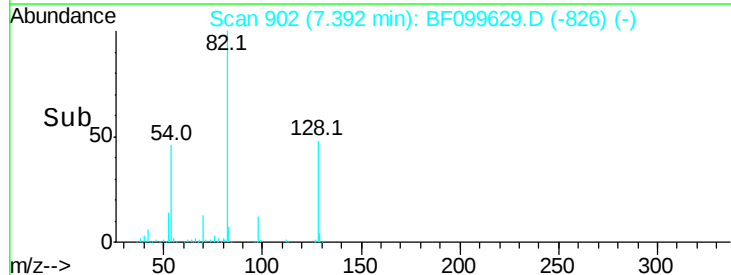
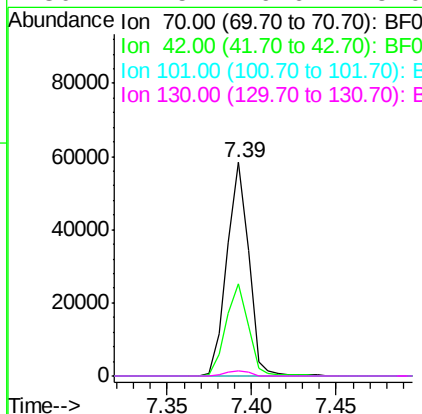
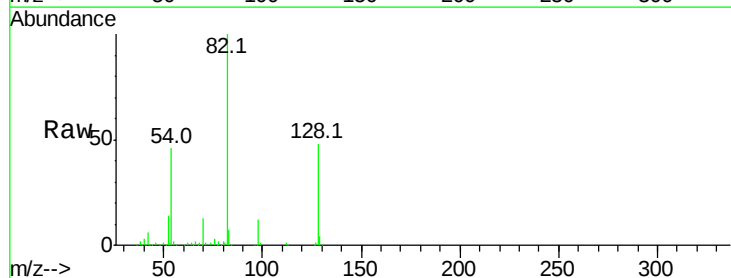
Instrument :
BNA_F
ClientSampleId :

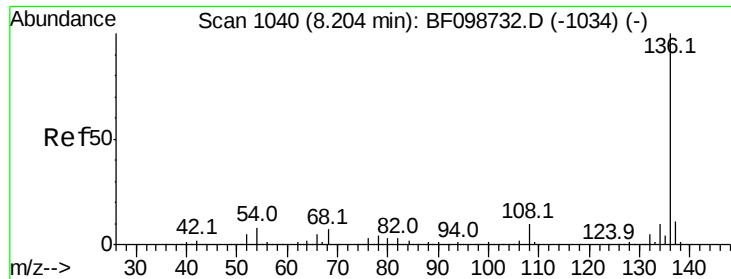
Tot Ion: 94 Resp: 35208
Ion Ratio Lower Upper
94 100
65 28.1 7.9 47.9
66 38.3 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.664 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF099629.D
Acq: 18 Oct 2017 20:47

Tgt Ion: 70 Resp: 52673
Ion Ratio Lower Upper
70 100
42 43.2 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

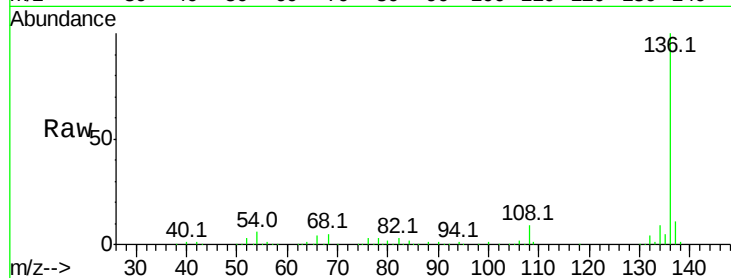




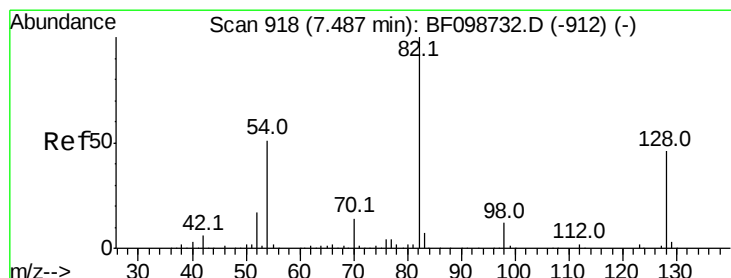
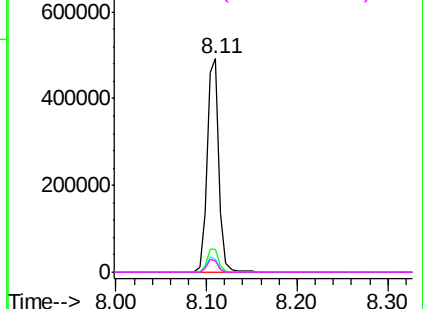
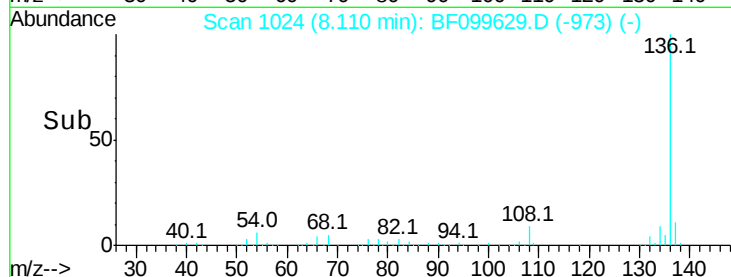
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099629.D
Acq: 18 Oct 2017 20:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	453281
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.1	6.6	9.8#
68	5.2	5.0	7.4

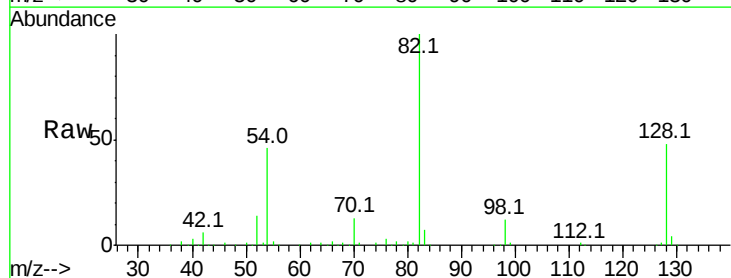


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

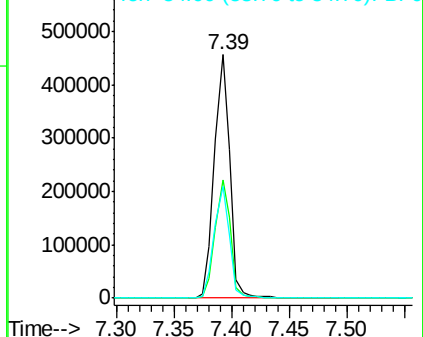
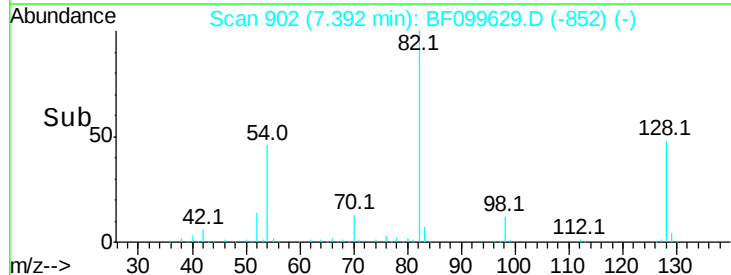


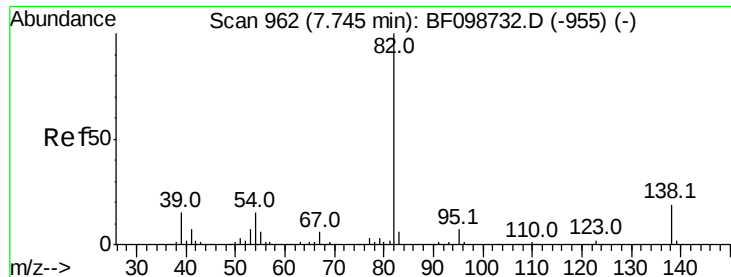
#23
Nitrobenzene-d5
Concen: 60.209 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099629.D
Acq: 18 Oct 2017 20:47

Tgt Ion:	82	Resp:	425565
Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	45.7	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: 29.121 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

Instrument :

BNA_F

ClientSampleId :

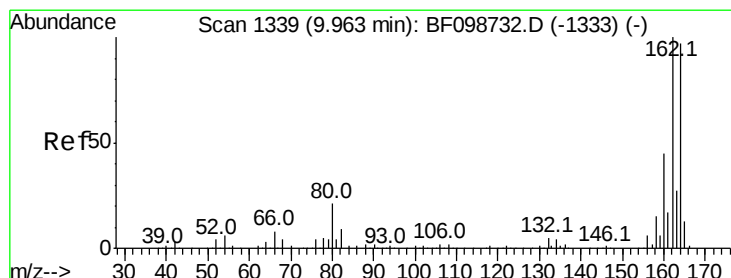
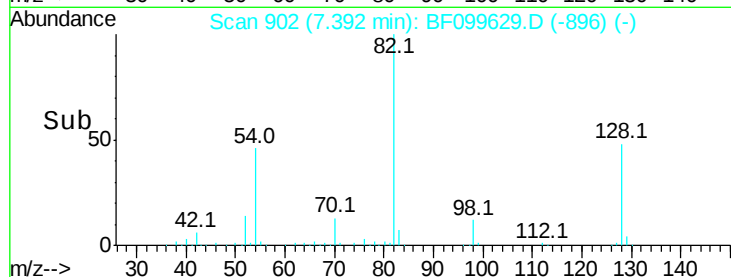
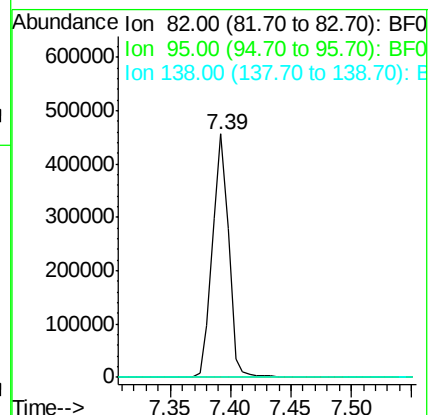
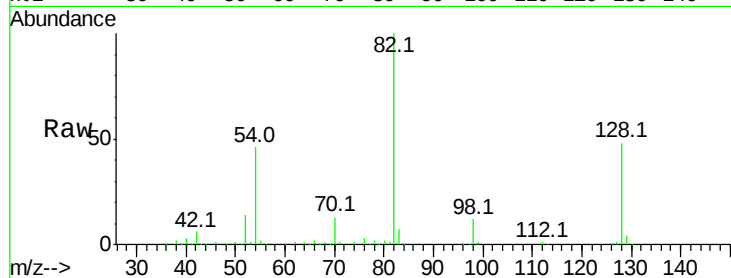
Tot Ion: 82 Resp: 425562

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

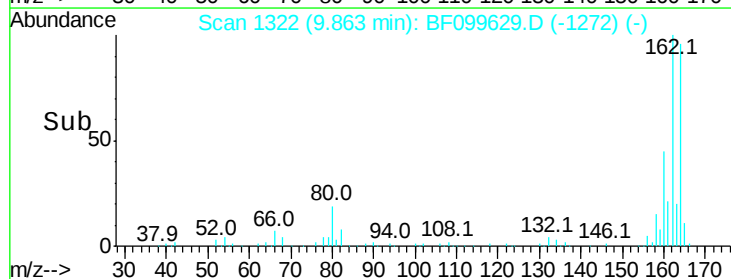
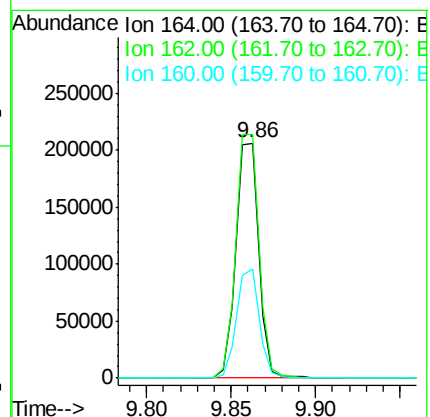
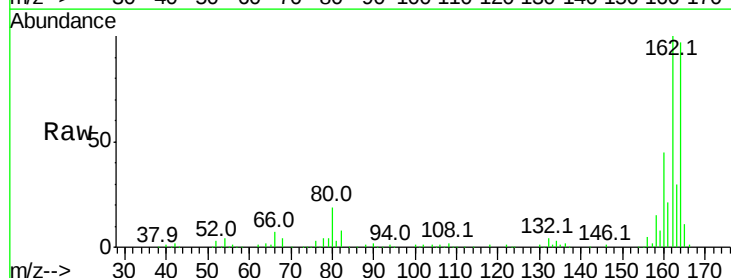
Tgt Ion:164 Resp: 192609

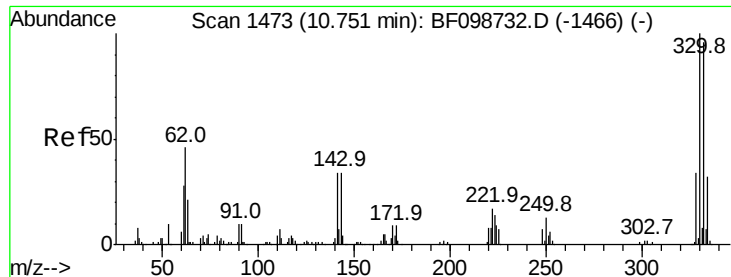
Ion Ratio Lower Upper

164 100

162 103.6 86.1 129.1

160 46.3 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 84.021 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

Instrument :

BNA_F

ClientSampleId :

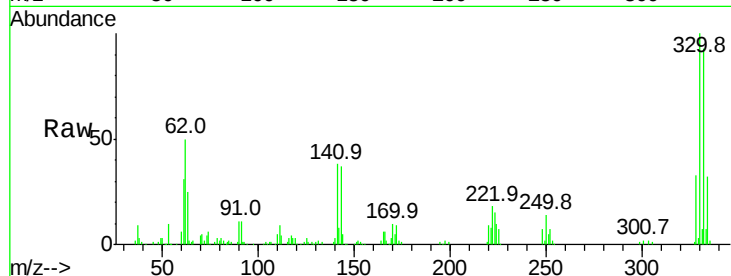
Tot Ion:330 Resp: 132423

Ion Ratio Lower Upper

330 100

332 95.7 77.0 115.6

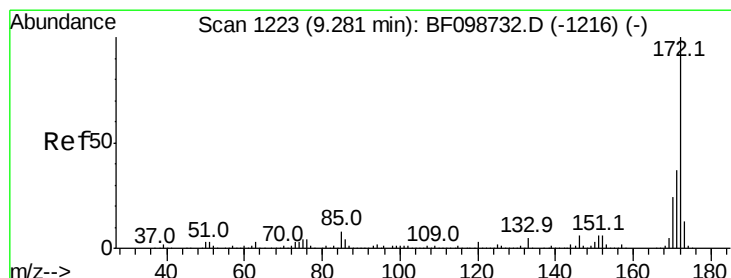
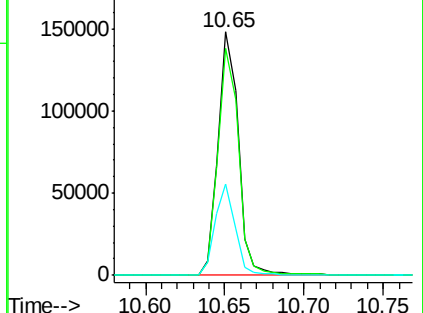
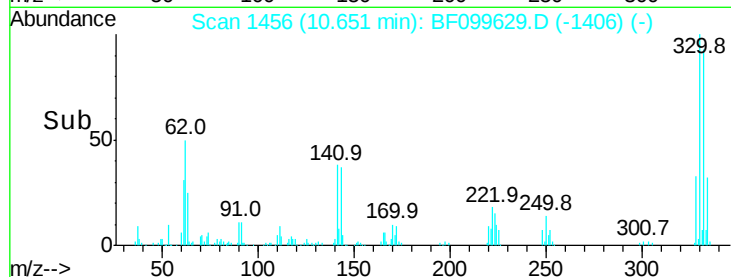
141 37.7 29.9 44.9



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: 65.131 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

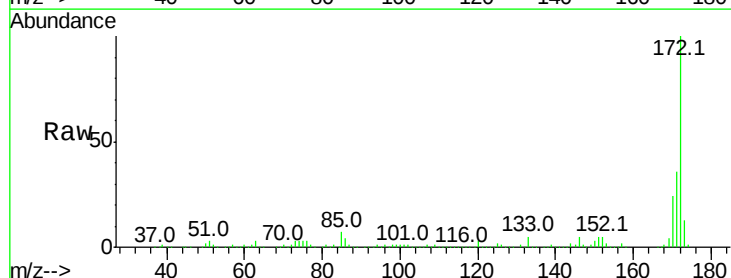
Tgt Ion:172 Resp: 751454

Ion Ratio Lower Upper

172 100

171 36.4 29.7 44.5

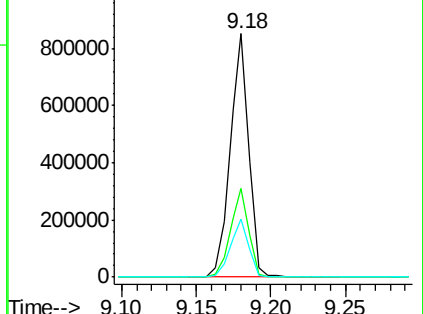
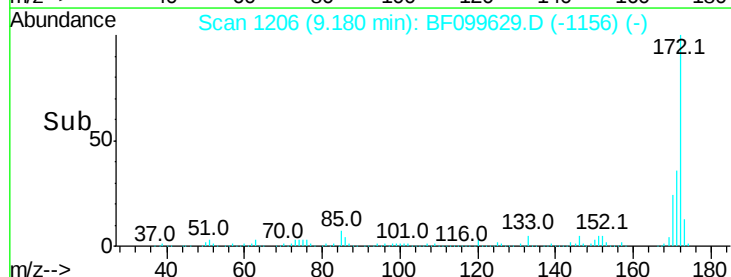
170 23.8 19.6 29.4

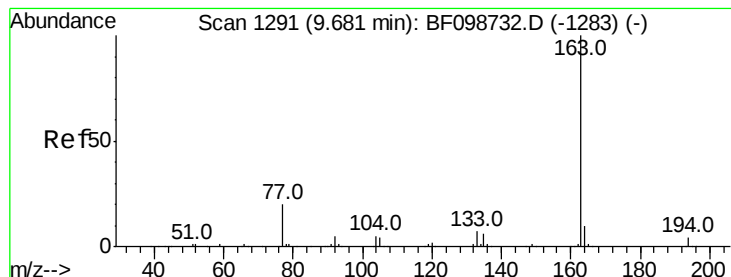


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.301 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.02 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

Instrument :

BNA_F

ClientSampled :

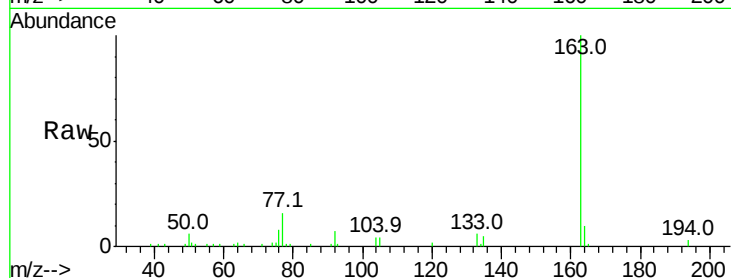
Tot Ion:163 Resp: 33444

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

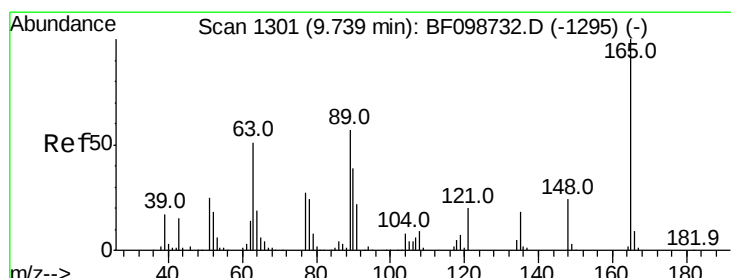
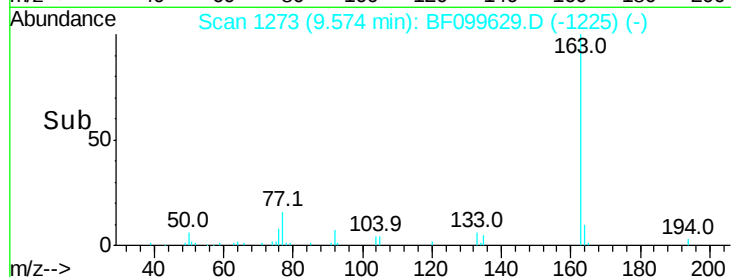
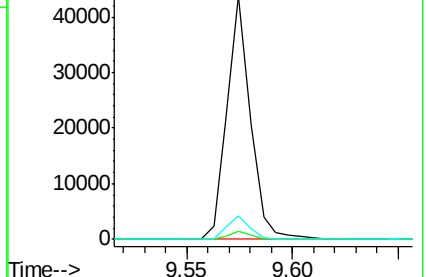
164 9.9 8.2 12.2



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: 7.634 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.20 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

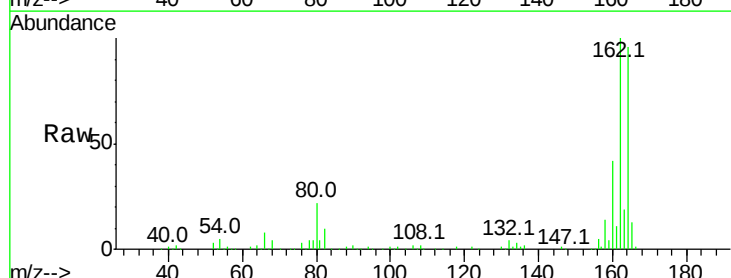
Tgt Ion:165 Resp: 24161

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

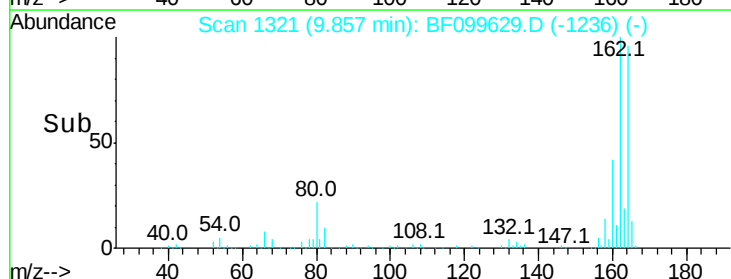
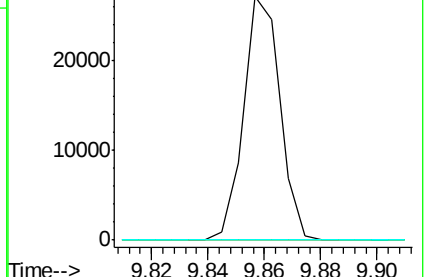
89 0.0 44.0 66.0#

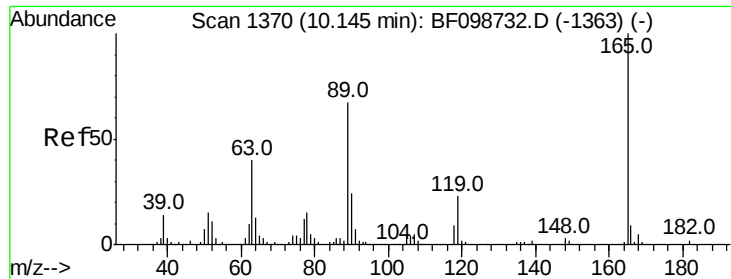


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

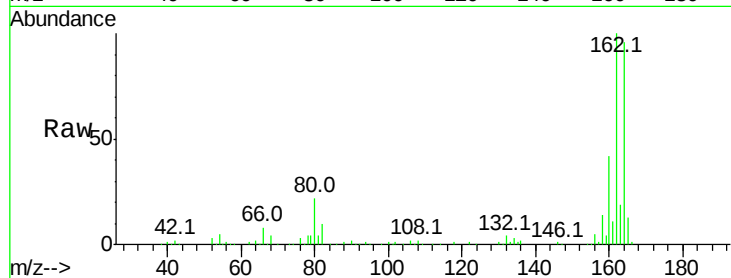




#56
 2,4-Dinitrotoluene
 Concen: 5.882 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.21 min
 Lab File: BF099629.D
 Acq: 18 Oct 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	24161
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#

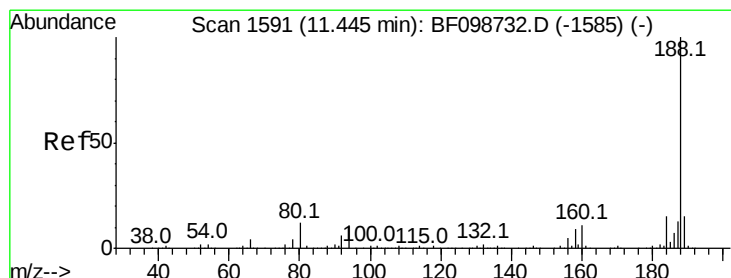
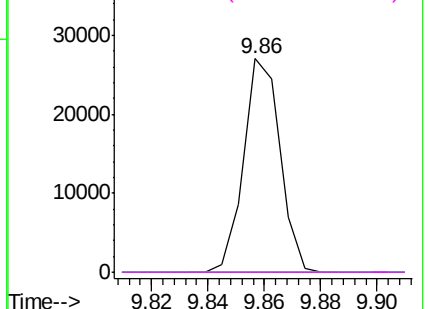
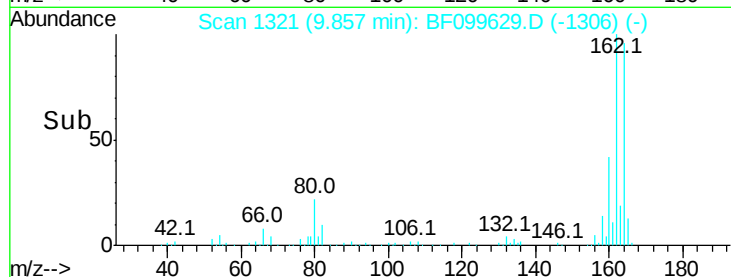


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

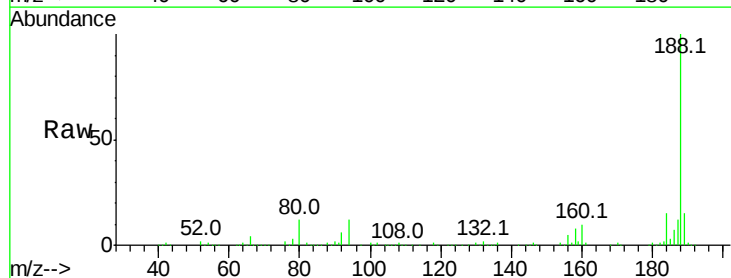
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF099629.D
 Acq: 18 Oct 2017 20:47

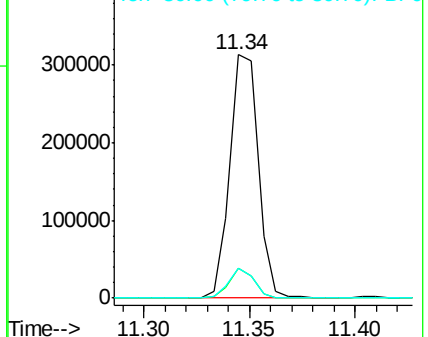
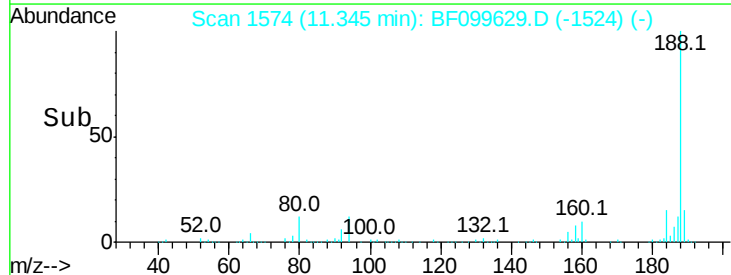
Tgt Ion:188	Resp:	290625
Ion Ratio	Lower	Upper
188	100	
94	12.0	8.5 12.7
80	12.3	9.2 13.8

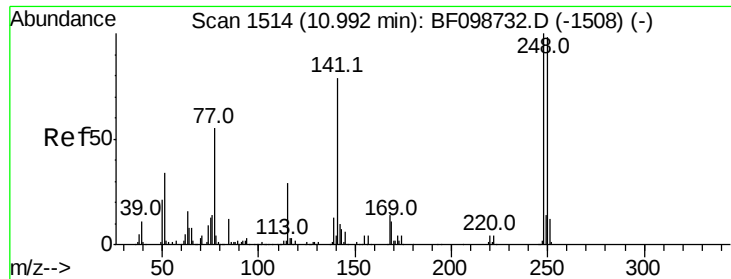


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

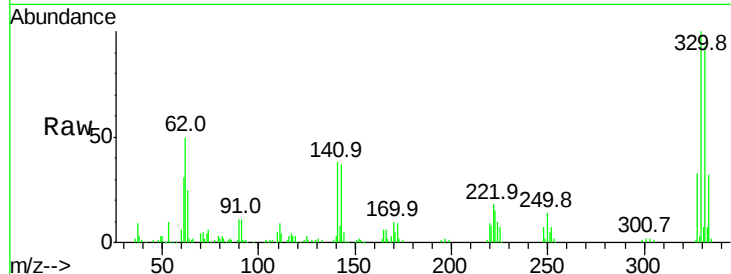




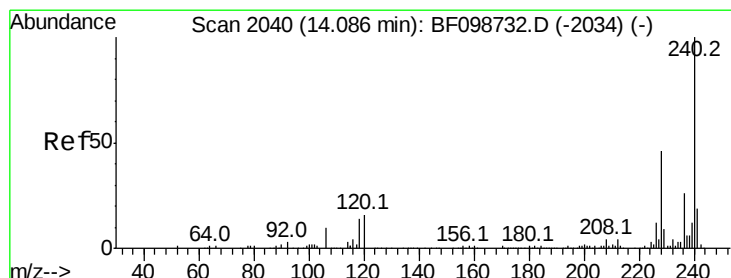
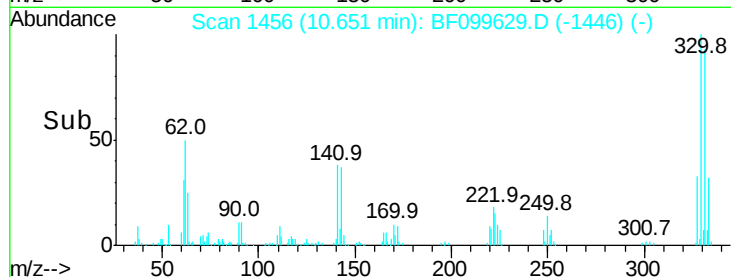
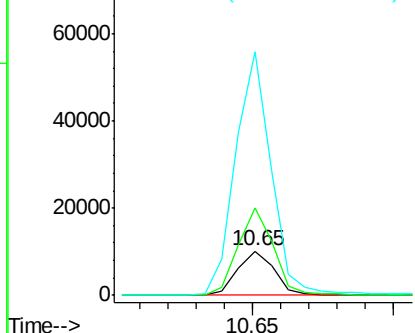
#66
 4-Bromophenyl-phenylether
 Concen: 3.160 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.24 min
 Lab File: BF099629.D
 Acq: 18 Oct 2017 20:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8990
 Ion Ratio Lower Upper
 248 100
 250 198.5 76.9 115.3#
 141 553.2 74.4 111.6#

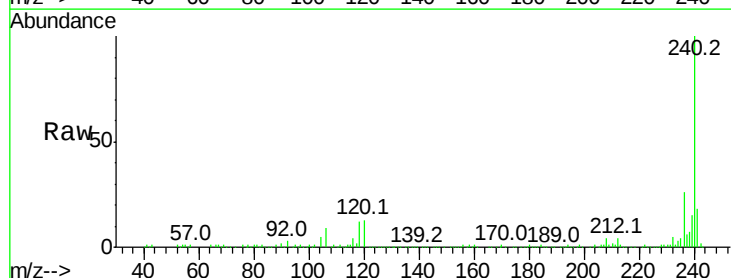


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

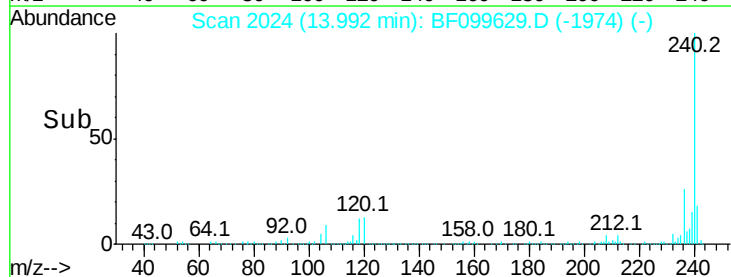
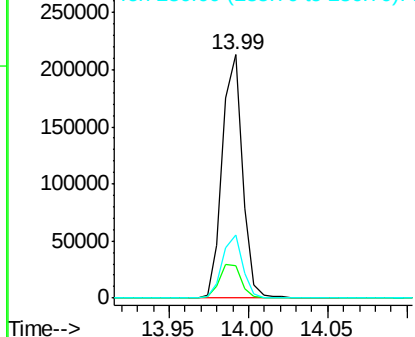


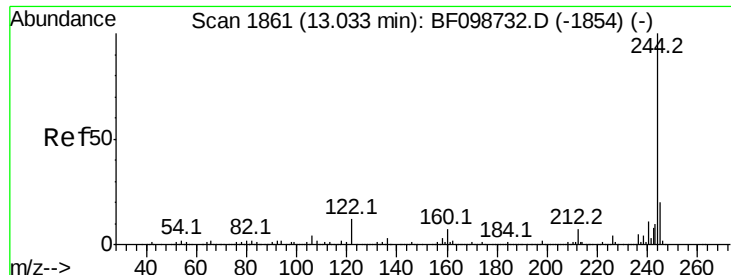
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099629.D
 Acq: 18 Oct 2017 20:47

Tgt Ion:240 Resp: 190000
 Ion Ratio Lower Upper
 240 100
 120 13.2 9.5 14.3
 236 25.7 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: 55.824 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

Instrument :

BNA_F

ClientSampleId :

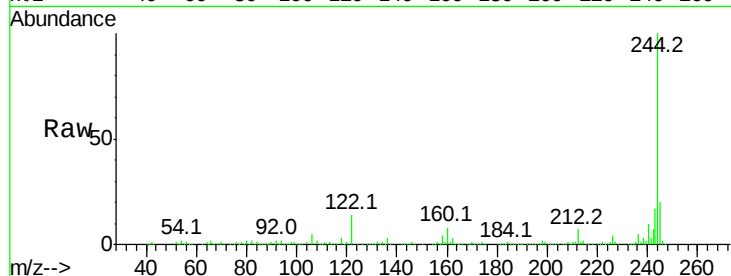
Tot Ion:244 Resp: 466387

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

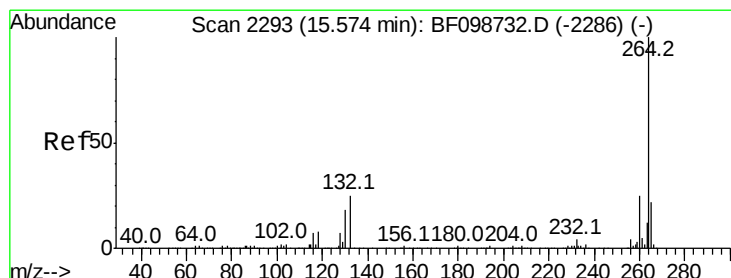
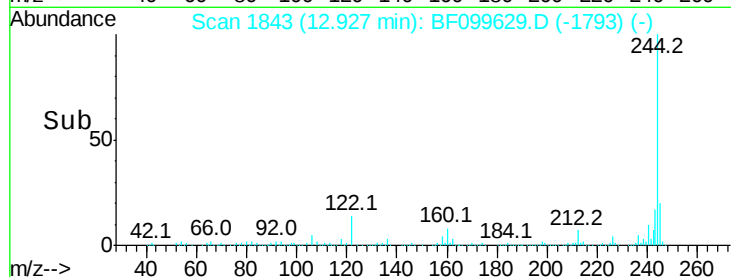
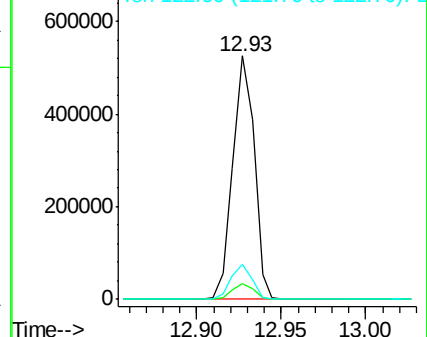
122 14.2 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF099629.D

Acq: 18 Oct 2017 20:47

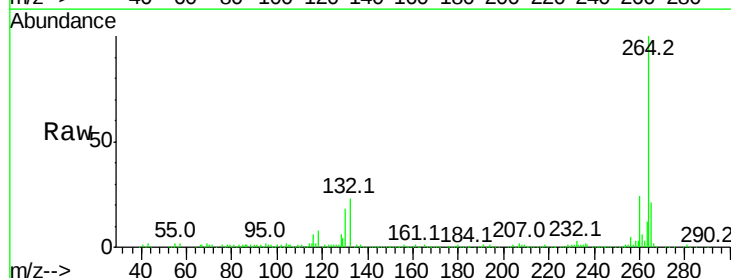
Tgt Ion:264 Resp: 203406

Ion Ratio Lower Upper

264 100

260 24.0 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

