

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099630.D
 Acq On : 18 Oct 2017 21:14
 Operator : SJ/JU
 Sample : I5930-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 22:15:53 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

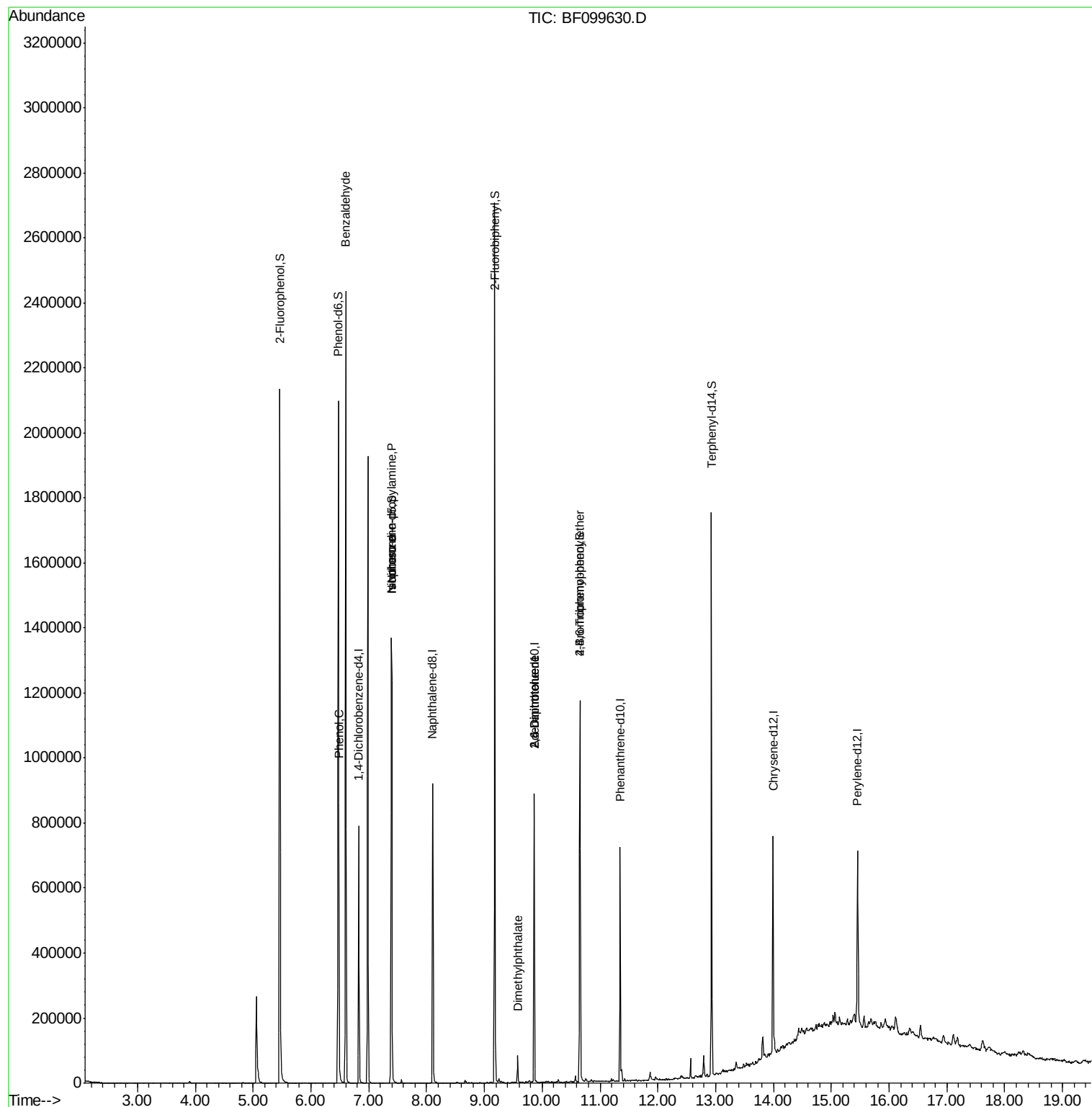
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	119137	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	463214	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	181144	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	257972	20.00	ng	0.00
75) Chrysene-d12	13.99	240	225033	20.00	ng	0.00
86) Perylene-d12	15.46	264	227757	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	728256	97.31	ng	0.01
7) Phenol-d6	6.47	99	849894	92.06	ng	0.00
23) Nitrobenzene-d5	7.39	82	503298	69.68	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	132410	89.33	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	860488	79.30	ng	0.00
78) Terphenyl-d14	12.93	244	548259	55.41	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	13610	2.541	ng	89
10) Phenol	6.49	94	36696	3.554	ng	92
19) n-Nitroso-di-n-propylamine	7.39	70	63526	10.777	ng	# 74
25) Isophorone	7.39	82	503292	33.702	ng	# 64
49) Dimethylphthalate	9.57	163	30697	2.245	ng	99
50) 2,6-Dinitrotoluene	9.86	165	23338	7.841	ng	# 25
56) 2,4-Dinitrotoluene	9.86	165	23338	6.042	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	8703	3.447	ng	# 1

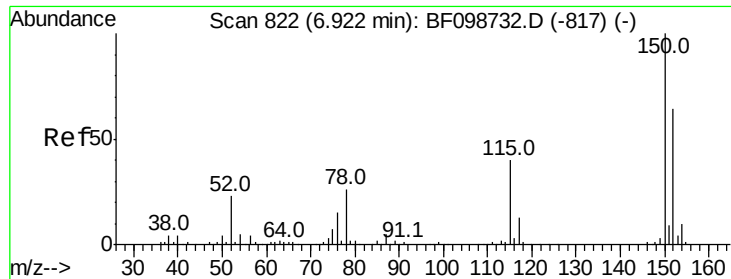
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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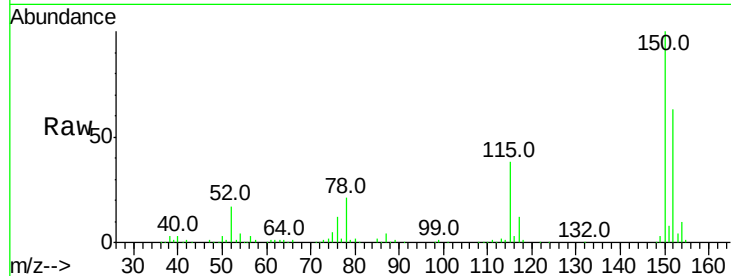


#1

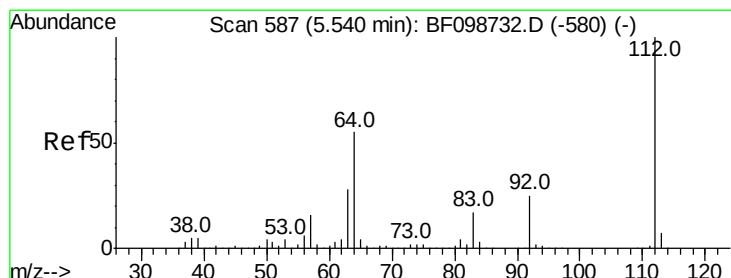
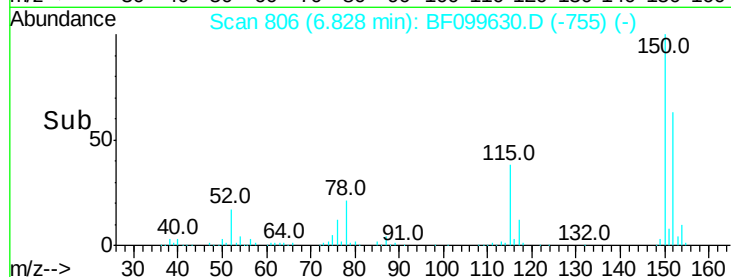
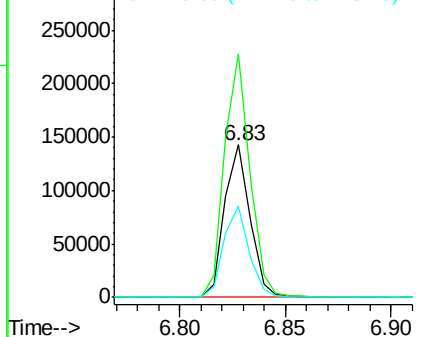
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	124.6	186.8
115	60.0	50.1	75.1



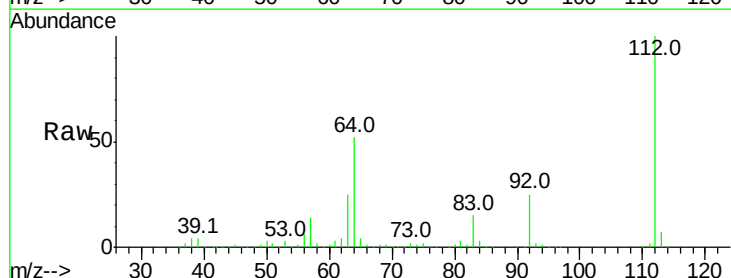
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



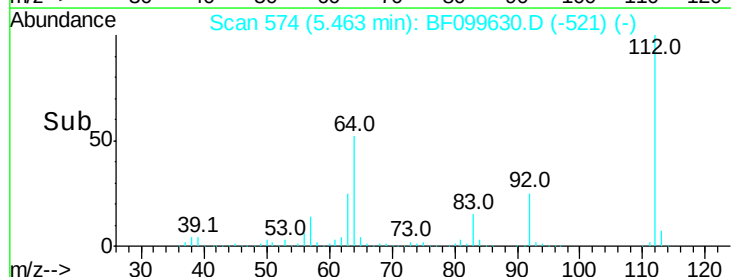
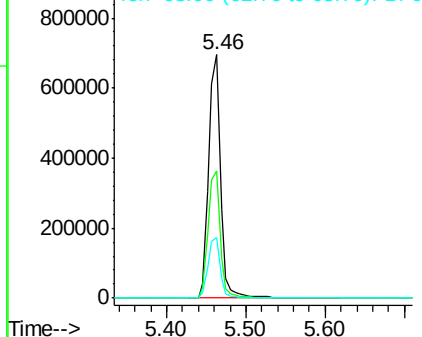
#5

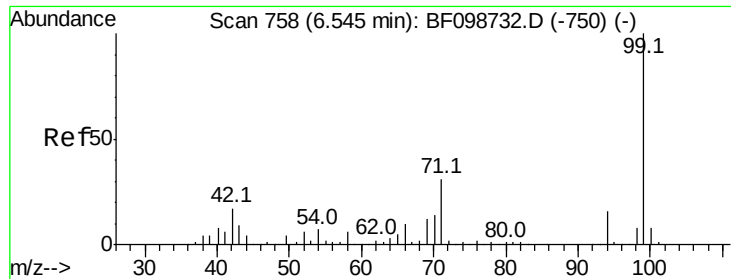
2-Fluorophenol
 Concen: 97.309 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	47.9	71.9
63	25.0	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: 92.057 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099630.D

Acq: 18 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

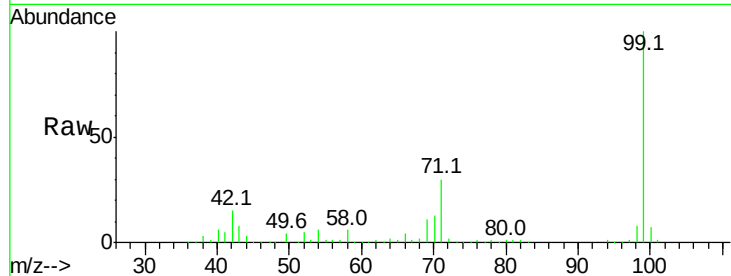
Tot Ion: 99 Resp: 849894

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

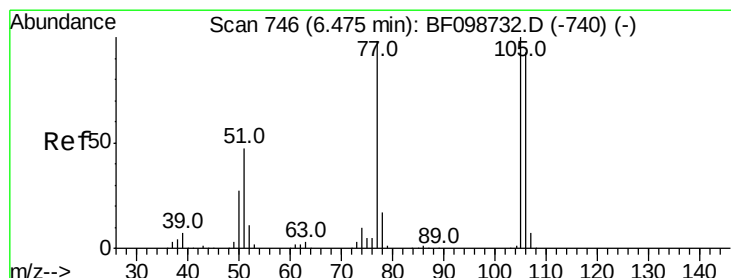
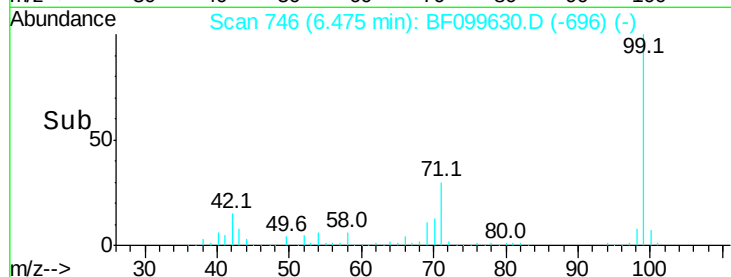
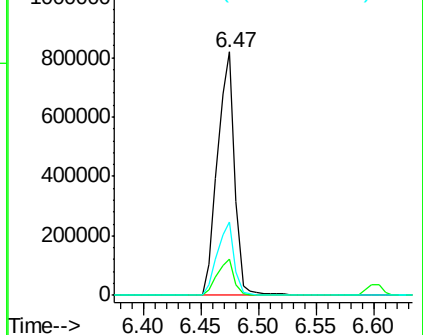
71 30.3 25.4 38.0



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: 2.541 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099630.D

Acq: 18 Oct 2017 21:14

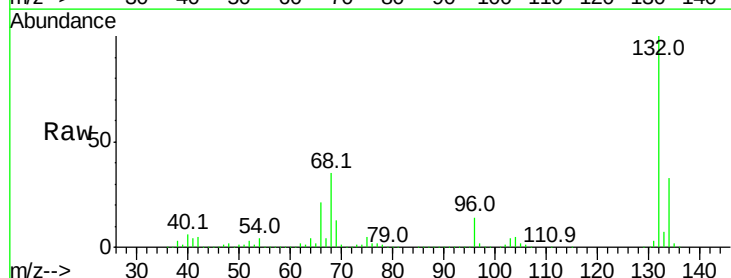
Tgt Ion: 77 Resp: 13610

Ion Ratio Lower Upper

77 100

105 94.0 81.1 121.1

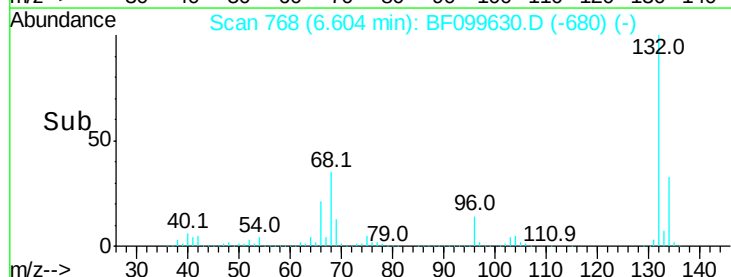
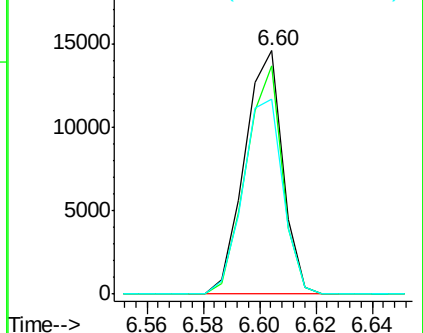
106 80.0 74.5 114.5

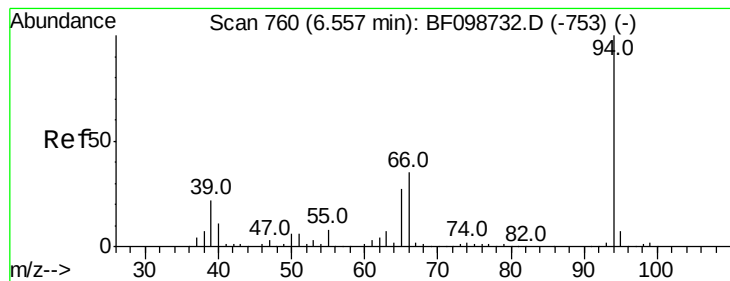


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.554 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF099630.D

Acq: 18 Oct 2017 21:14

Instrument :

BNA_F

ClientSampled :

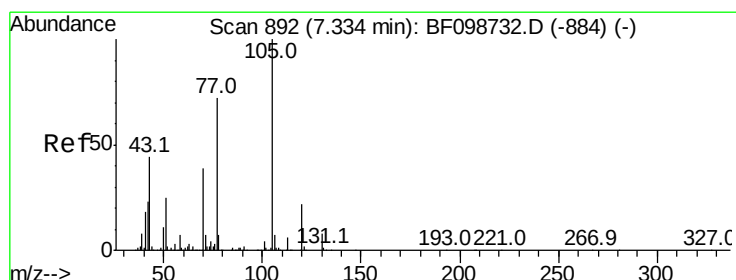
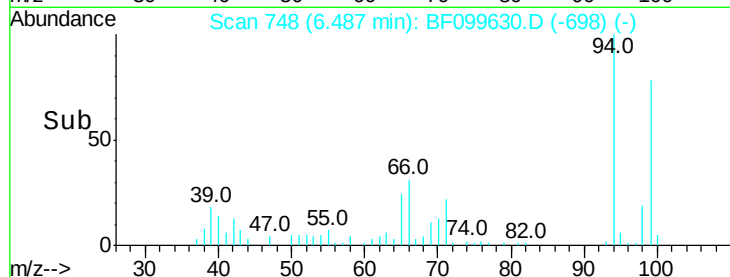
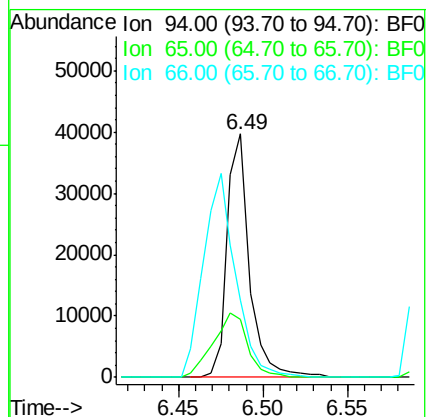
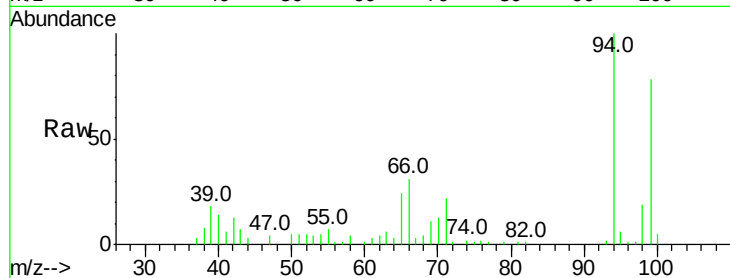
Tot Ion: 94 Resp: 36696

Ion Ratio Lower Upper

94 100

65 23.7 7.9 47.9

66 31.5 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.777 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099630.D

Acq: 18 Oct 2017 21:14

Tgt Ion: 70 Resp: 63526

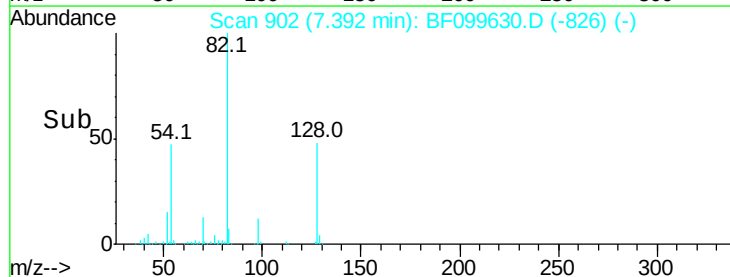
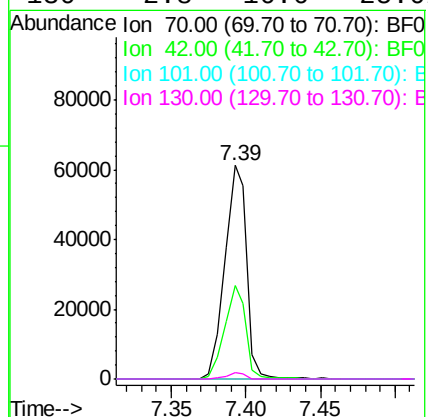
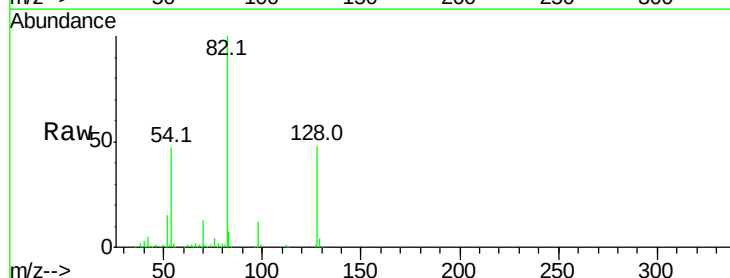
Ion Ratio Lower Upper

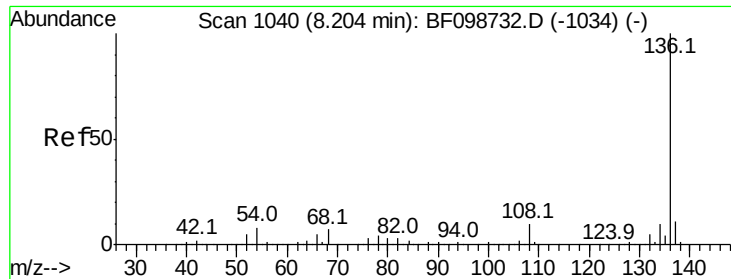
70 100

42 43.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#

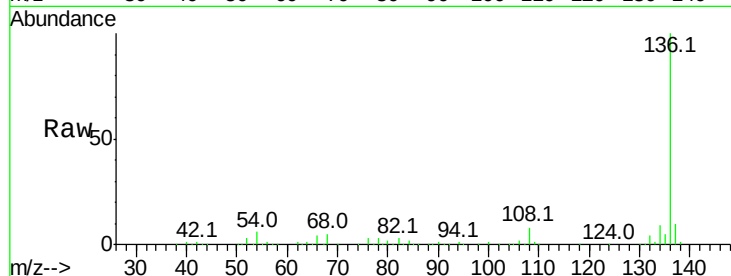




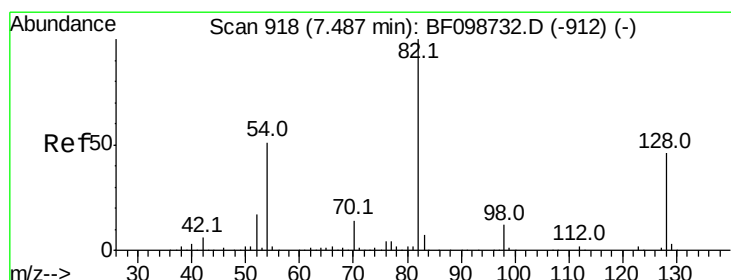
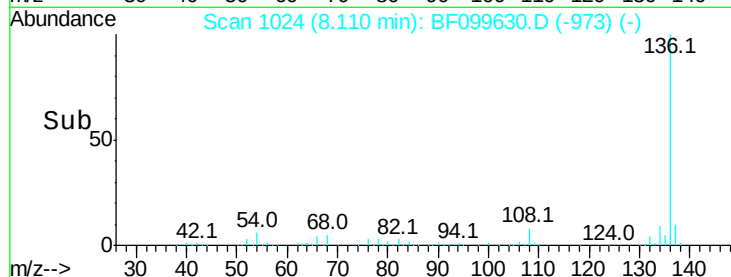
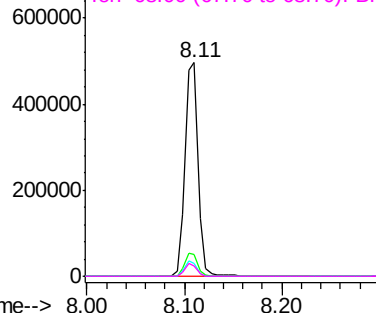
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF099630.D
Acq: 18 Oct 2017 21:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	463214
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.2	6.6	9.8#
68	5.1	5.0	7.4

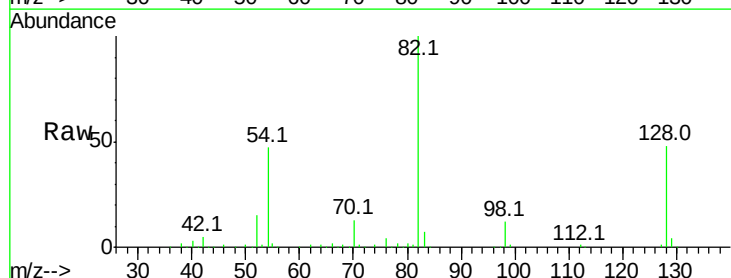


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

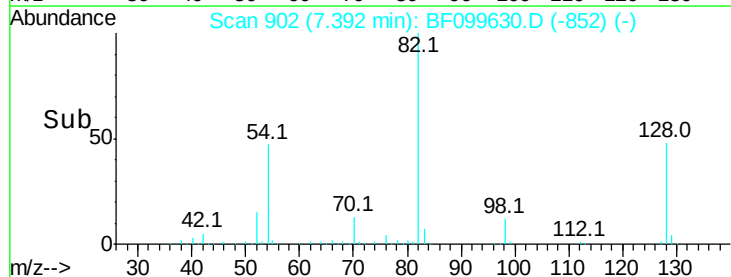
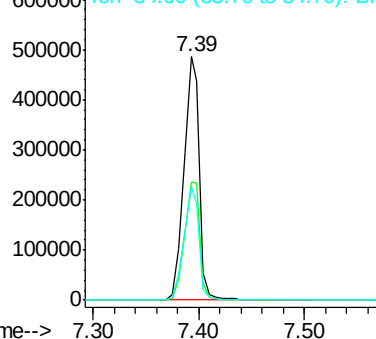


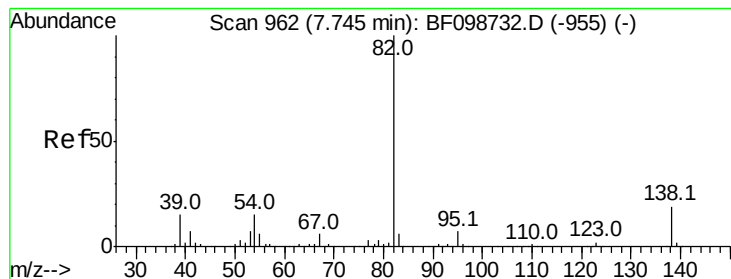
#23
Nitrobenzene-d5
Concen: 69.680 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099630.D
Acq: 18 Oct 2017 21:14

Tgt Ion:	82	Resp:	503298
Ion	Ratio	Lower	Upper
82	100		
128	48.5	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: 33.702 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099630.D

Acq: 18 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

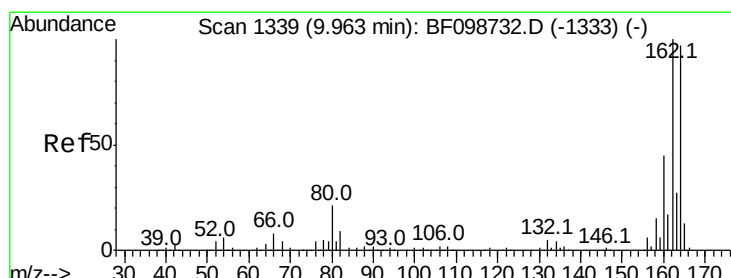
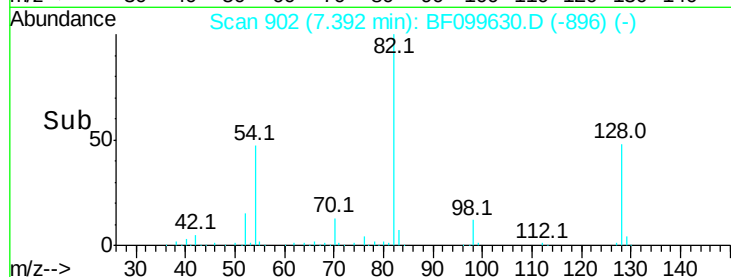
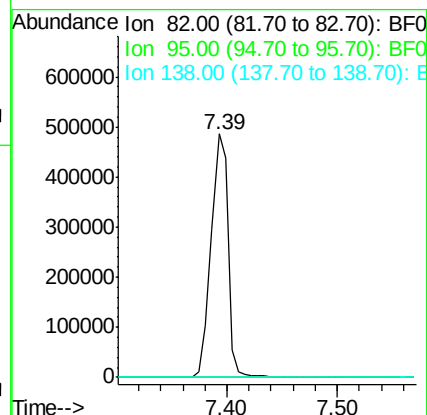
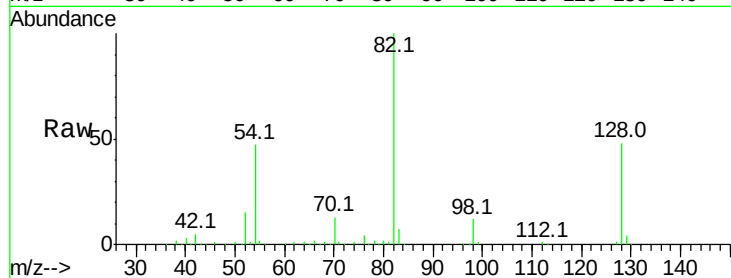
Tot Ion: 82 Resp: 503292

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: BF099630.D

Acq: 18 Oct 2017 21:14

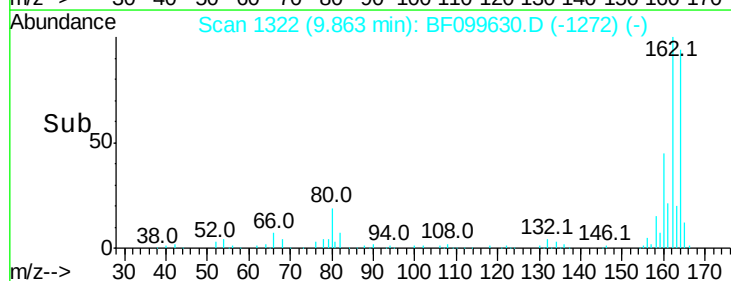
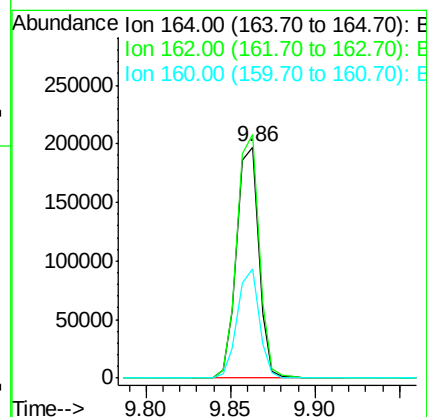
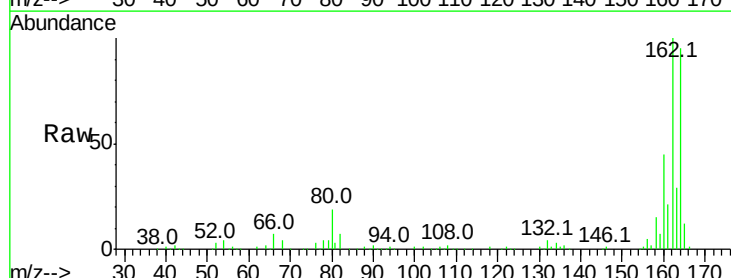
Tgt Ion:164 Resp: 181144

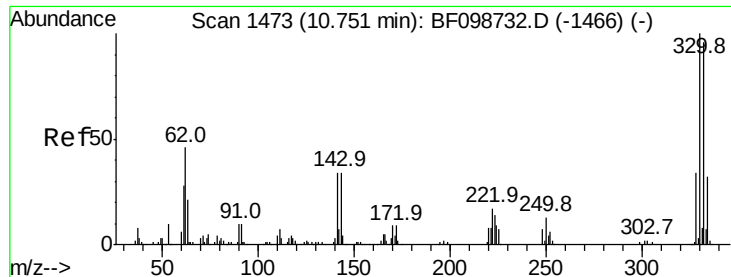
Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

160 47.1 38.3 57.5

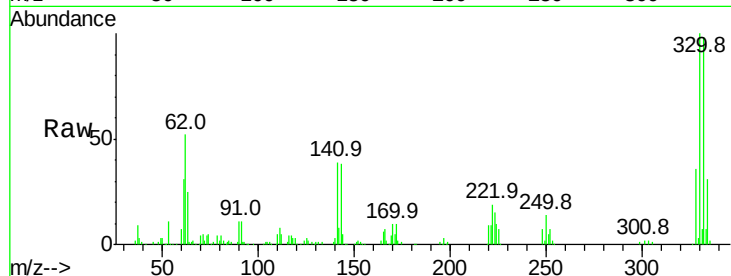




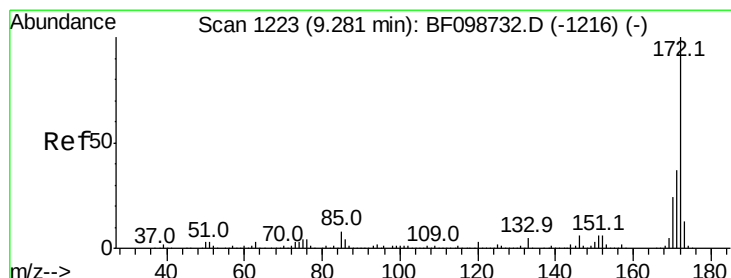
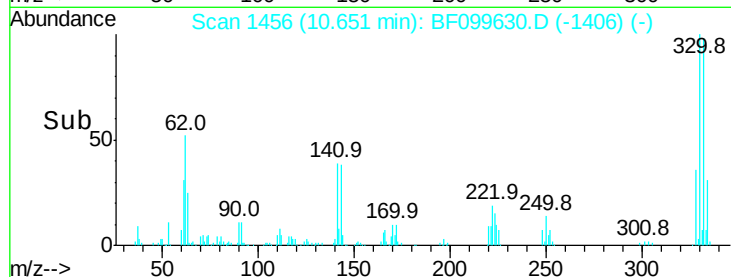
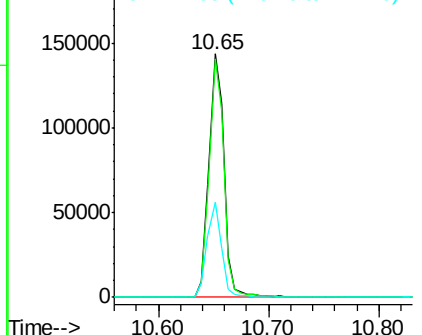
#41
 2,4,6-Tribromophenol
 Concen: 89.330 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 132410
 Ion Ratio Lower Upper
 330 100
 332 95.5 77.0 115.6
 141 37.6 29.9 44.9

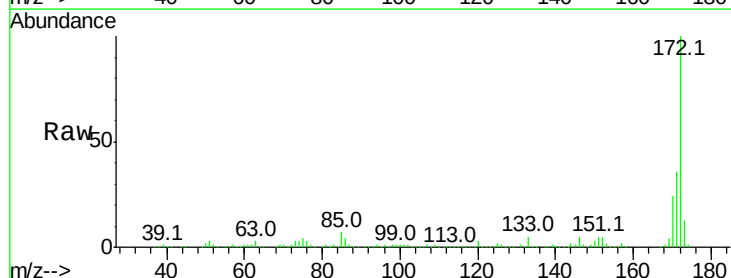


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

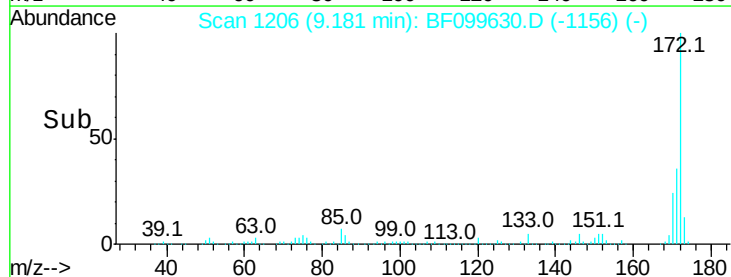
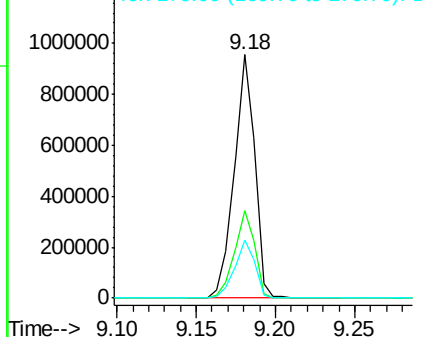


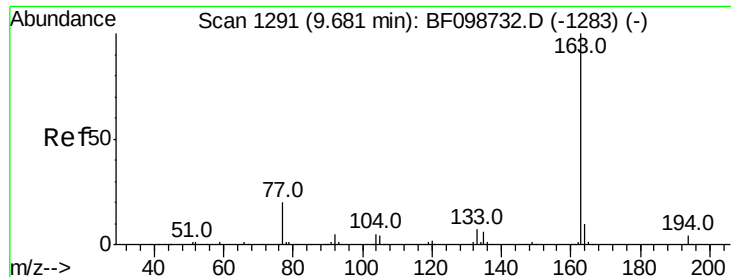
#44
 2-Fluorobiphenyl
 Concen: 79.302 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Tgt Ion:172 Resp: 860488
 Ion Ratio Lower Upper
 172 100
 171 36.1 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

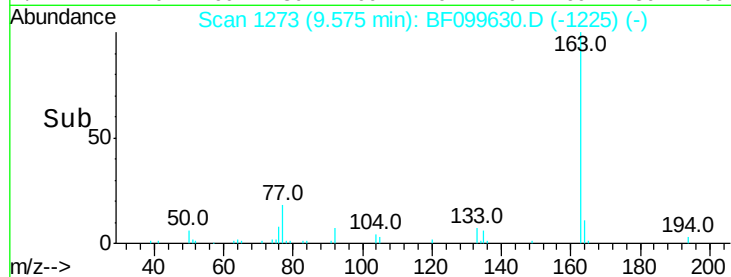
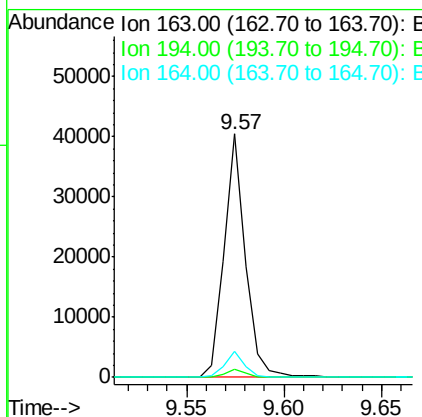
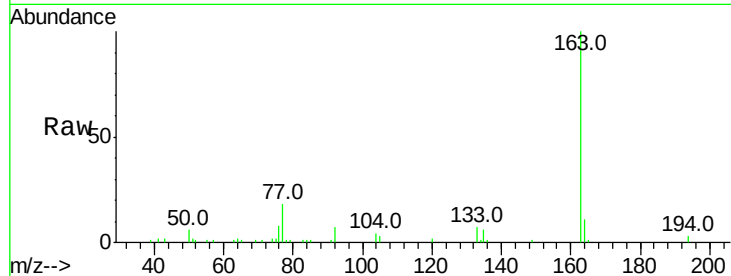




#49
Dimethylphthalate
Concen: 2.245 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF099630.D
Acq: 18 Oct 2017 21:14

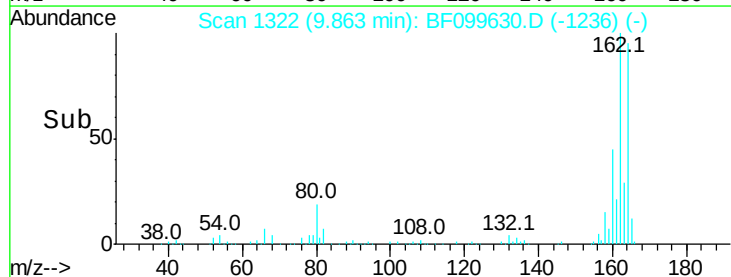
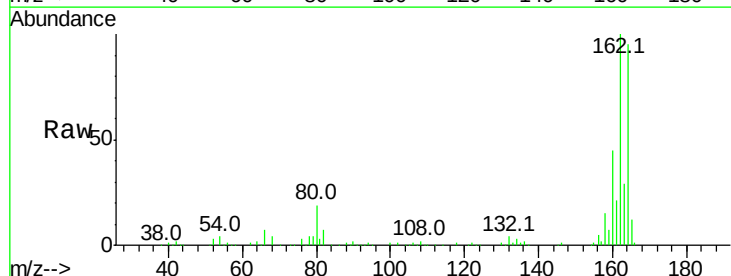
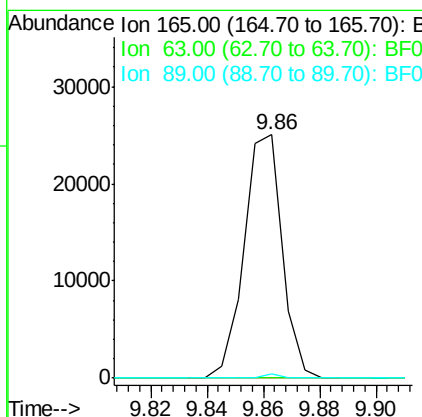
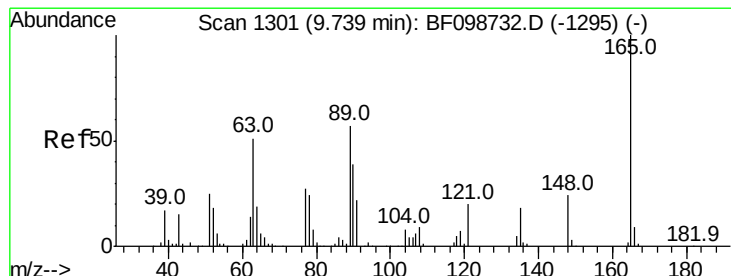
Instrument :
BNA_F
ClientSampled :

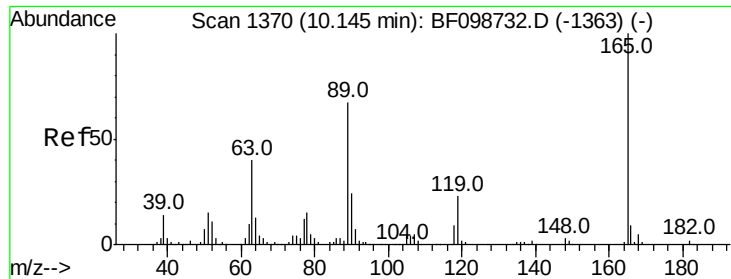
Tot Ion:163 Resp: 30697
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 10.9 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.841 ng
RT: 9.86 min Scan# 1322
Delta R.T. 0.21 min
Lab File: BF099630.D
Acq: 18 Oct 2017 21:14

Tgt Ion:165 Resp: 23338
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.8 44.0 66.0#

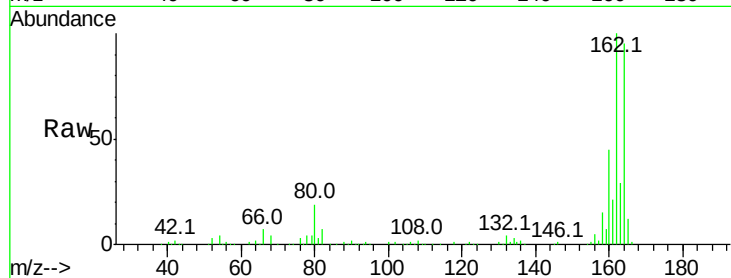




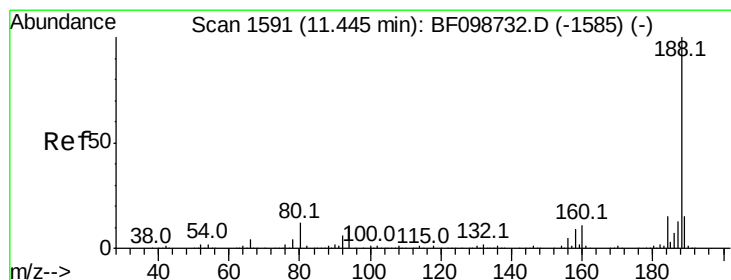
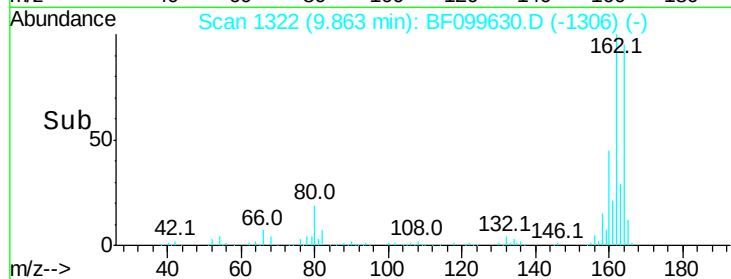
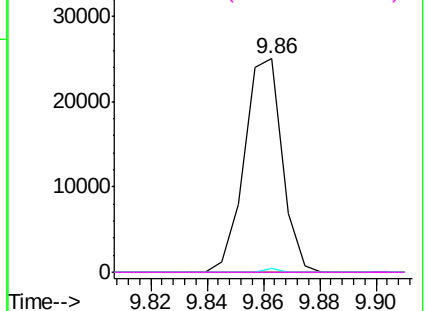
#56
 2,4-Dinitrotoluene
 Concen: 6.042 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	23338
Ion Ratio	Lower	Upper
165 100		
63 0.0	36.4	54.6#
89 1.8	57.8	86.6#
182 0.0	1.6	2.4#

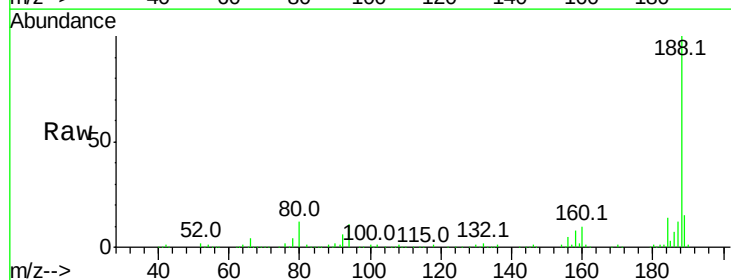


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.30): BF0
 Ion 89.00 (88.70 to 89.30): BF0
 Ion 182.00 (181.70 to 182.30): E

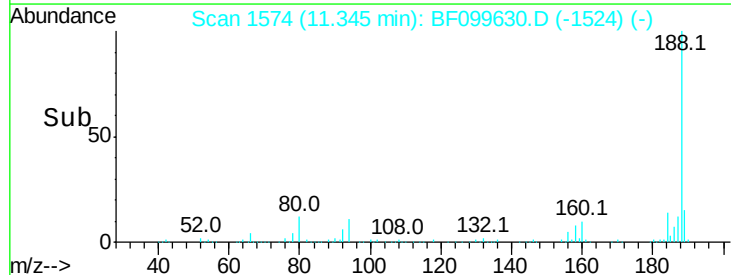
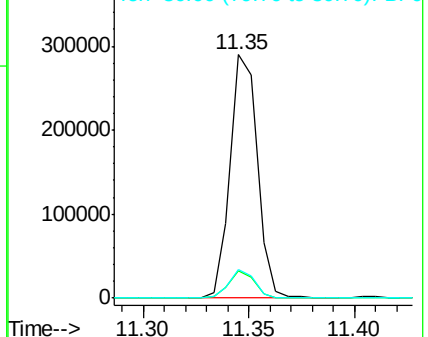


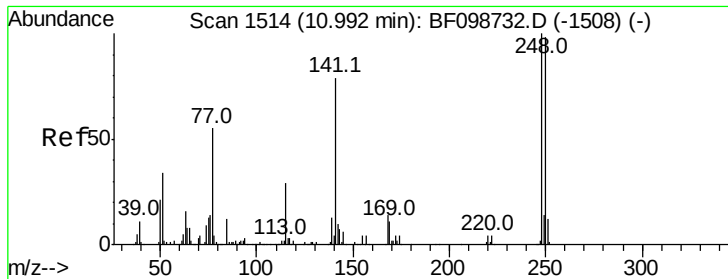
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Tgt Ion:188	Resp:	257972
Ion Ratio	Lower	Upper
188 100		
94 11.3	8.5	12.7
80 11.8	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.30): E
 Ion 94.00 (93.70 to 94.30): BF0
 Ion 80.00 (79.70 to 80.30): BF0

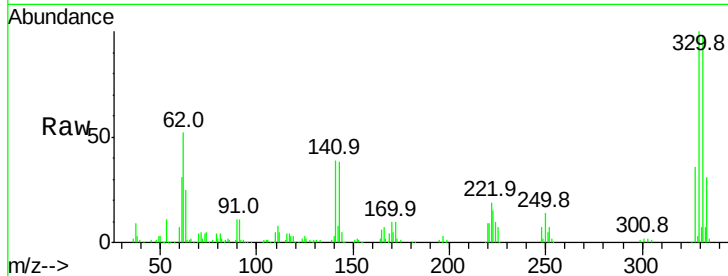




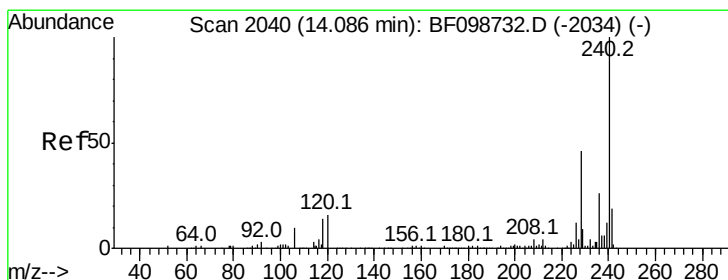
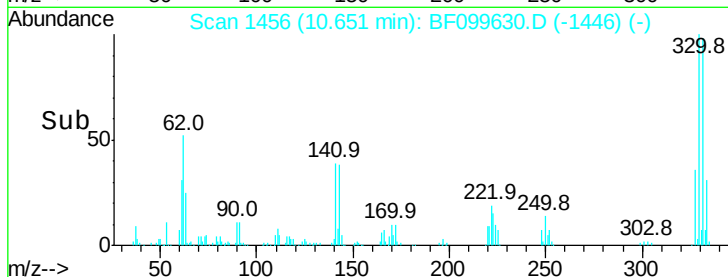
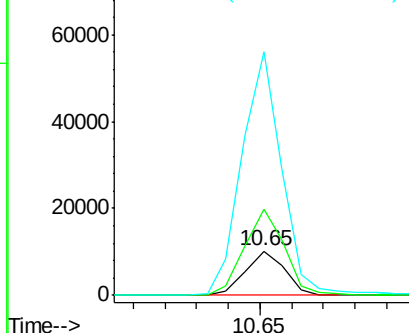
#66
 4-Bromophenyl-phenylether
 Concen: 3.447 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.24 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8703
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.9 115.3#
 141 552.0 74.4 111.6#

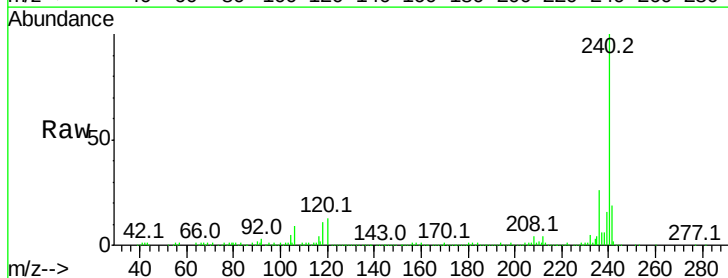


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

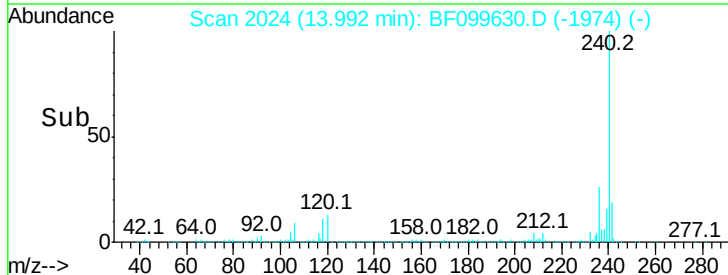
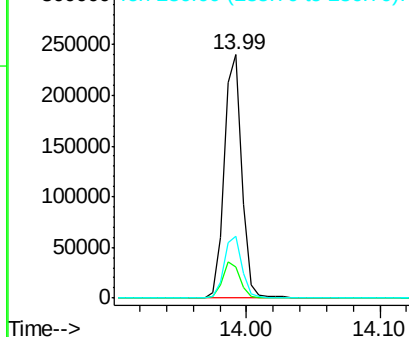


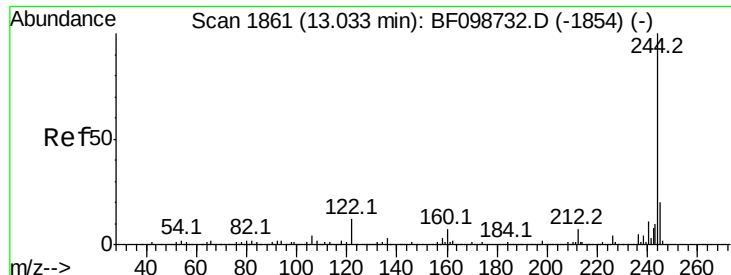
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099630.D
 Acq: 18 Oct 2017 21:14

Tgt Ion:240 Resp: 225033
 Ion Ratio Lower Upper
 240 100
 120 12.9 9.5 14.3
 236 25.6 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: 55.407 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099630.D

Acq: 18 Oct 2017 21:14

Instrument :

BNA_F

ClientSampleId :

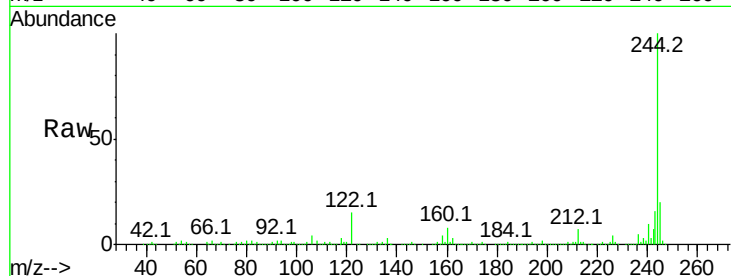
Tot Ion:244 Resp: 548259

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

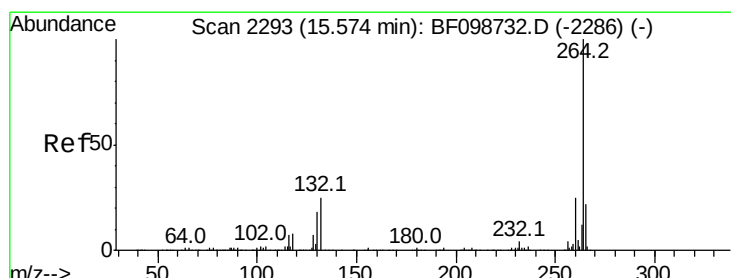
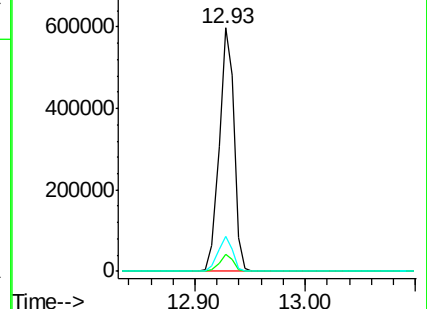
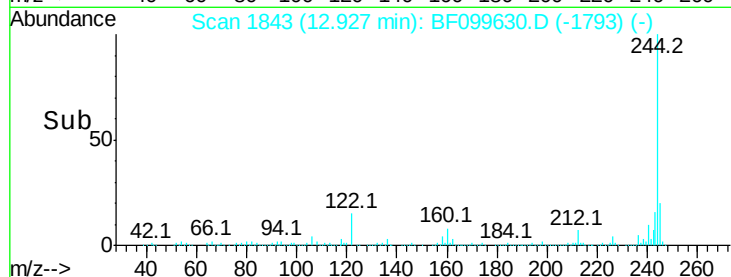
122 14.6 11.0 16.4



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: BF099630.D

Acq: 18 Oct 2017 21:14

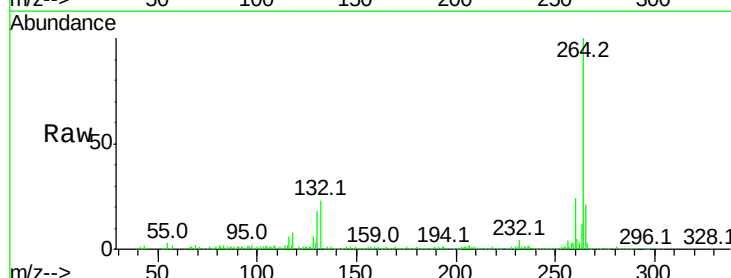
Tgt Ion:264 Resp: 227757

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

