

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098480.D
 Acq On : 13 Sep 2017 5:36
 Operator : SJ/JU
 Sample : I5181-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 06:20:32 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

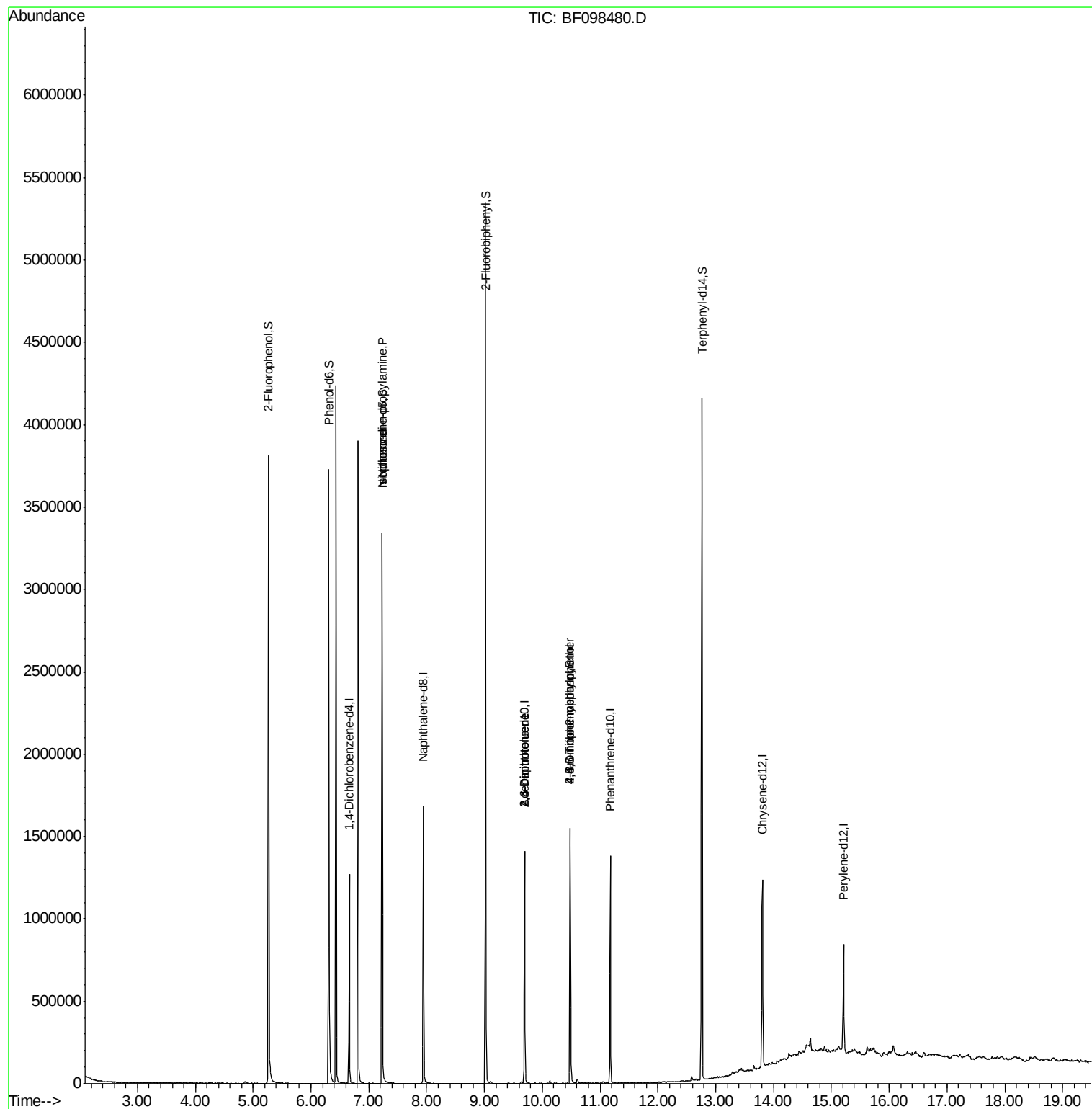
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	177658	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	696757	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	270149	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	442431	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	375261	20.00	ng	0.00
86) Perylene-d12	15.21	264	280299	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1074880	89.45	ng	-0.01
7) Phenol-d6	6.31	99	1279847	83.89	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1050664	84.07	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	162145	89.93	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1643287	103.10	ng	-0.01
78) Terphenyl-d14	12.76	244	1246036	71.67	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.23	70	140179	14.608	ng	# 81
25) Isophorone	7.23	82	1037054	41.012	ng	# 67
50) 2,6-Dinitrotoluene	9.69	165	34638	8.064	ng	# 34
56) 2,4-Dinitrotoluene	9.69	165	34638	6.633	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.49	198	341	5.077	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	12152	2.894	ng	# 1

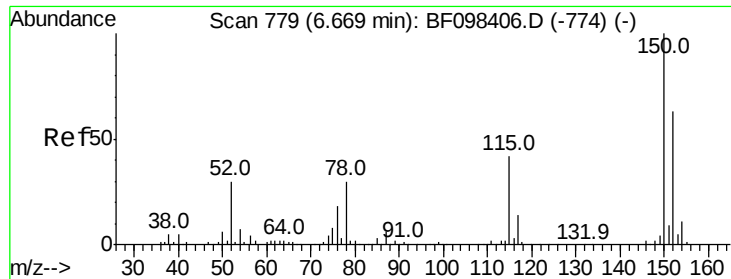
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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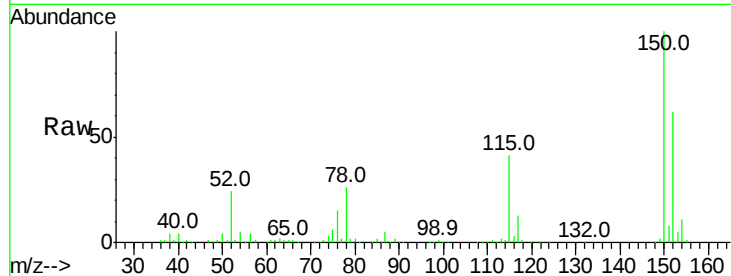


#1

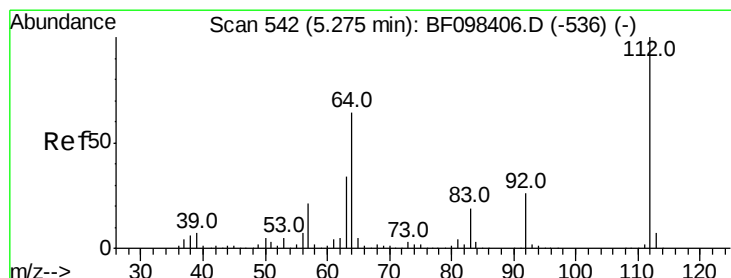
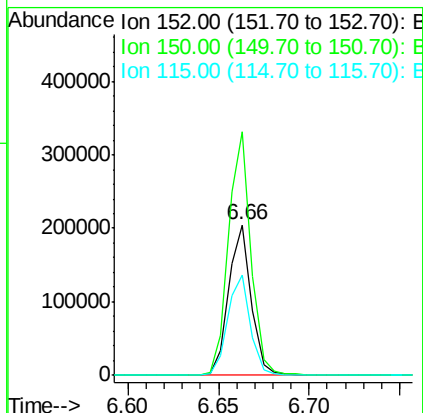
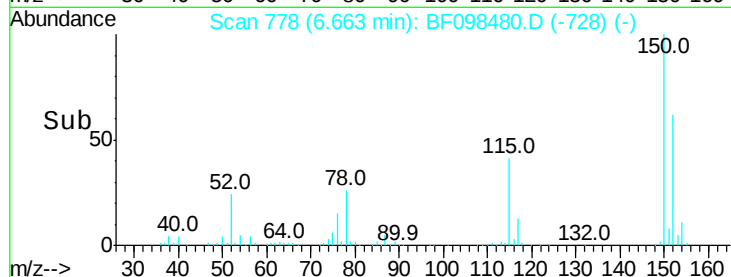
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 778
Delta R.T. -0.01 min
Lab File: BF098480.D
Acq: 13 Sep 2017 5:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 177658
Ion Ratio Lower Upper
152 100
150 161.5 126.2 189.2
115 66.2 52.2 78.2



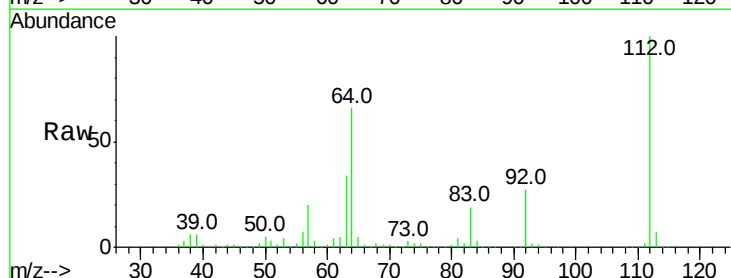
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



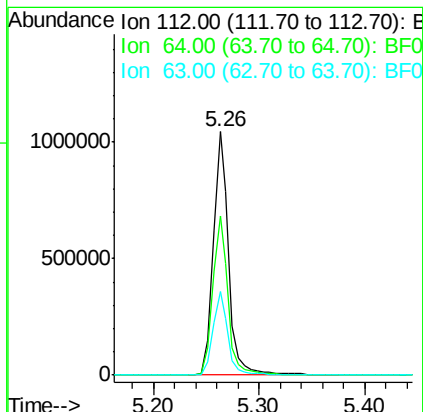
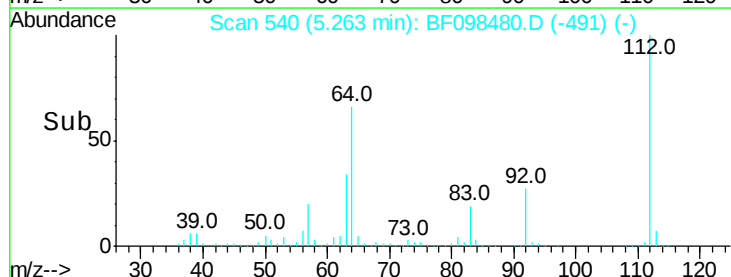
#5

2-Fluorophenol
Concen: 89.455 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098480.D
Acq: 13 Sep 2017 5:36

Tgt Ion:112 Resp: 1074880
Ion Ratio Lower Upper
112 100
64 65.5 46.0 69.0
63 34.2 23.4 35.0



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: 83.890 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

Instrument :

BNA_F

ClientSampleId :

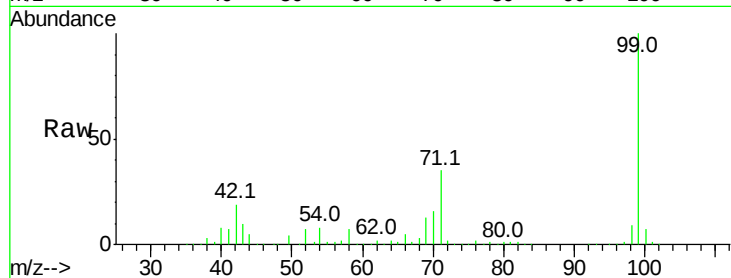
Tot Ion: 99 Resp: 1279847

Ion Ratio Lower Upper

99 100

42 19.2 13.5 20.3

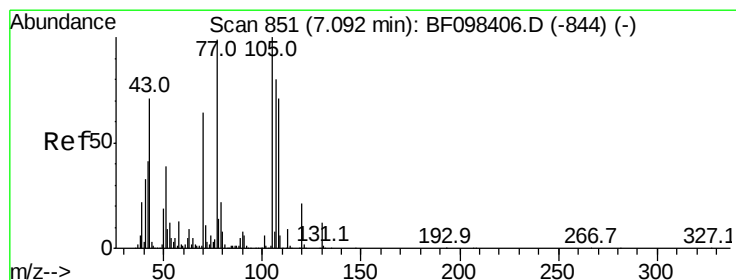
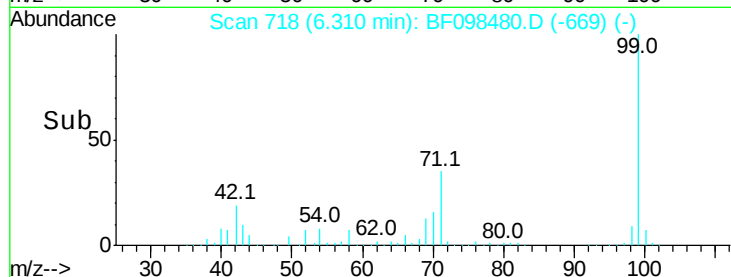
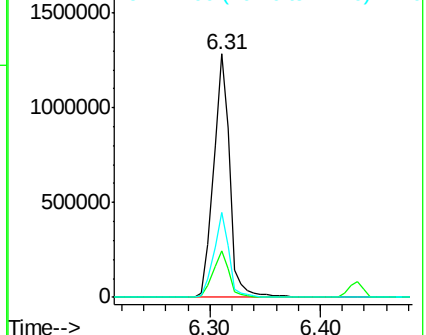
71 34.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.608 ng

RT: 7.23 min Scan# 875

Delta R.T. 0.14 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

Tgt Ion: 70 Resp: 140179

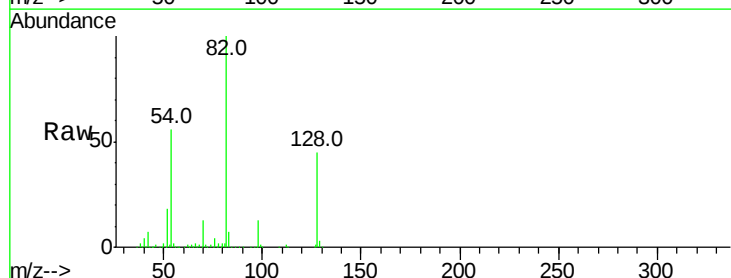
Ion Ratio Lower Upper

70 100

42 50.7 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

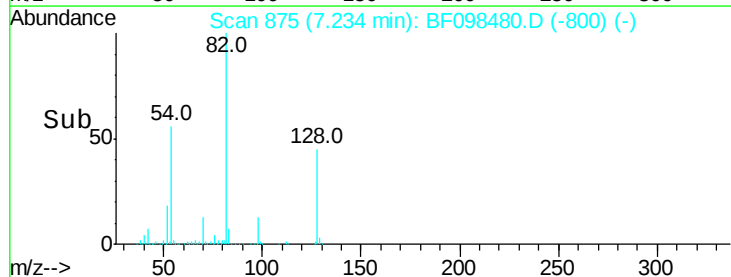
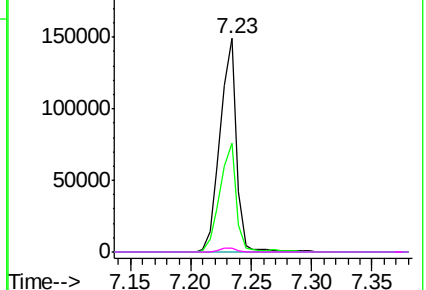


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

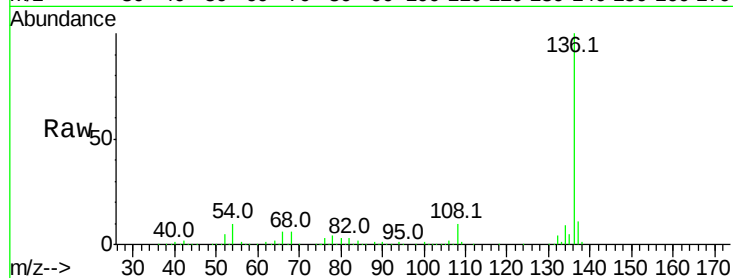




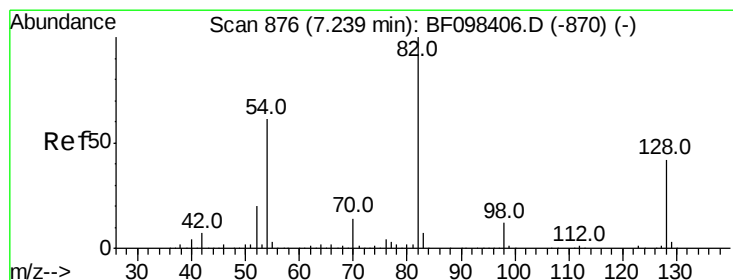
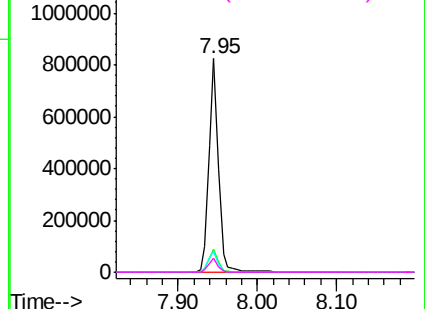
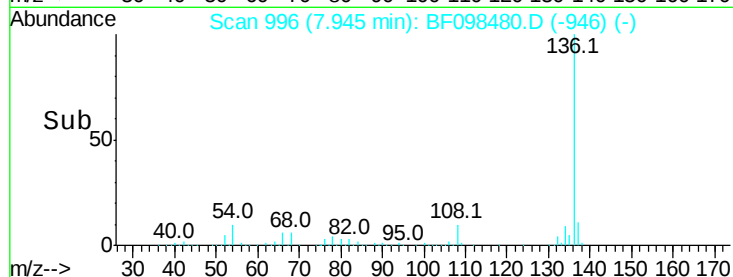
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098480.D
Acq: 13 Sep 2017 5:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	696757
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	9.9	4.9	7.3#
68	6.4	4.1	6.1#

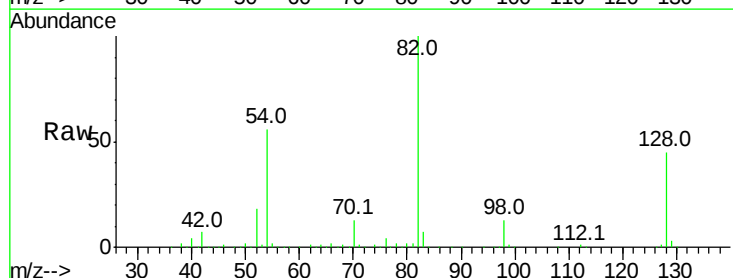


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

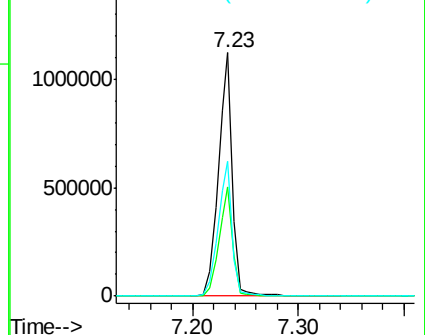
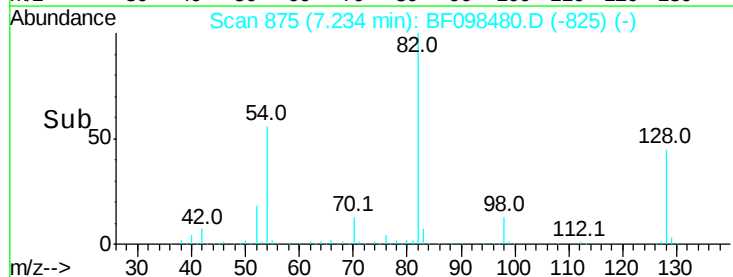


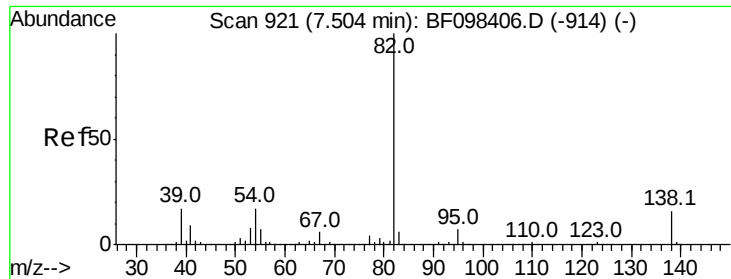
#23
Nitrobenzene-d5
Concen: 84.067 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF098480.D
Acq: 13 Sep 2017 5:36

Tgt Ion:	82	Resp:	1050664
Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	55.6	42.2	63.2



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: 41.012 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.27 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

Instrument :

BNA_F

ClientSampled :

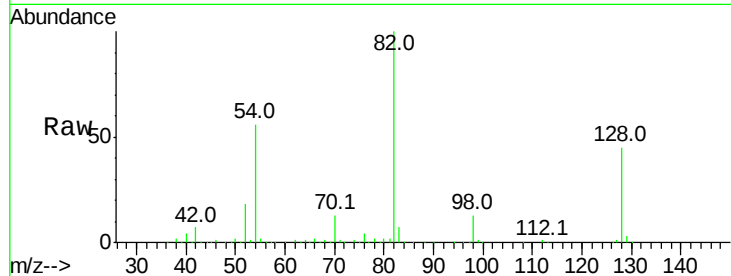
Tot Ion: 82 Resp: 1037054

Ion Ratio Lower Upper

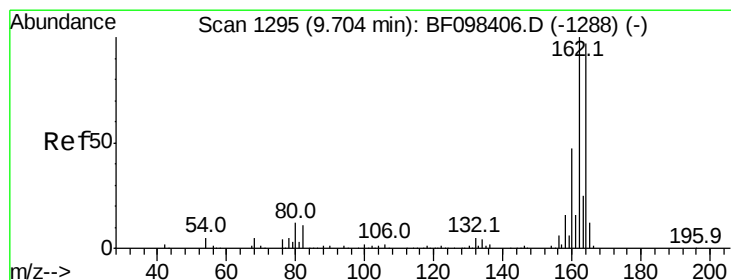
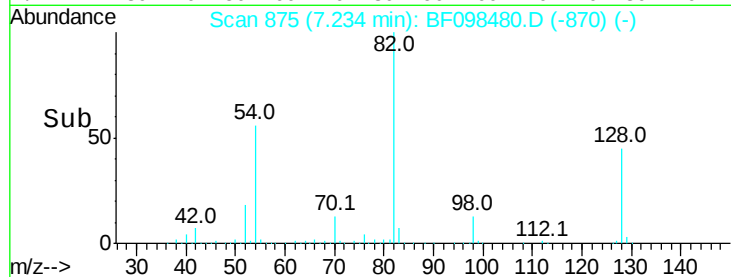
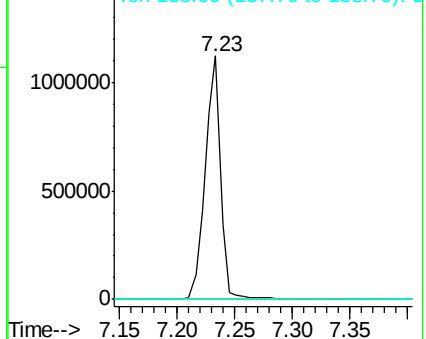
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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: 20.000 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

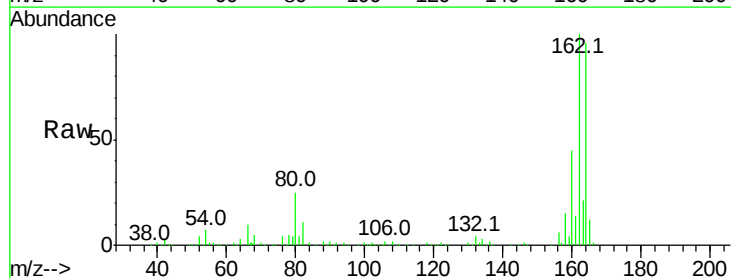
Tgt Ion:164 Resp: 270149

Ion Ratio Lower Upper

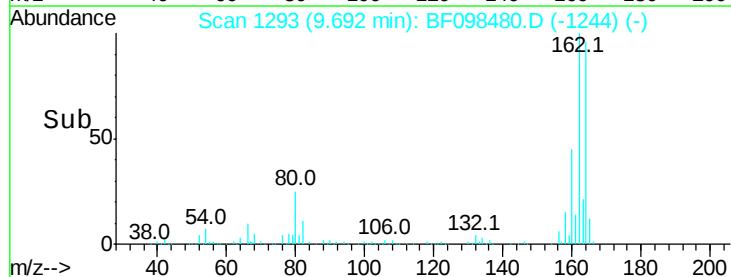
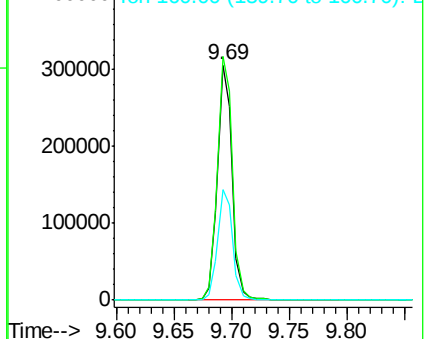
164 100

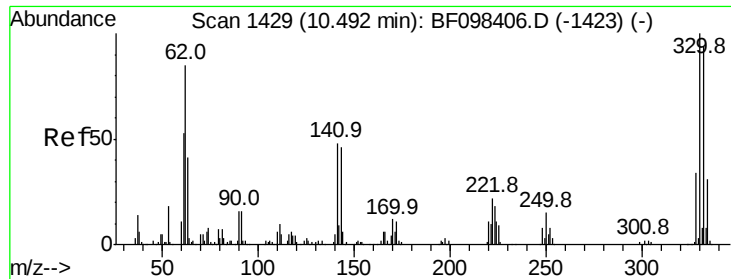
162 103.6 82.6 123.8

160 46.9 36.2 54.2



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

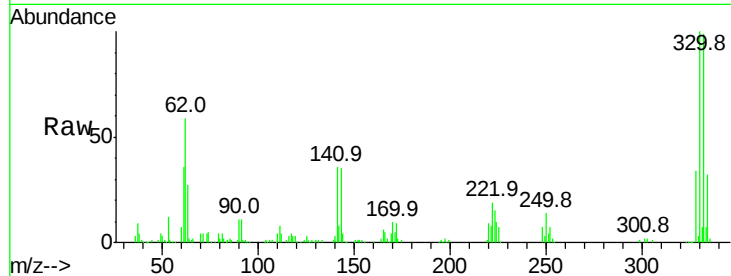




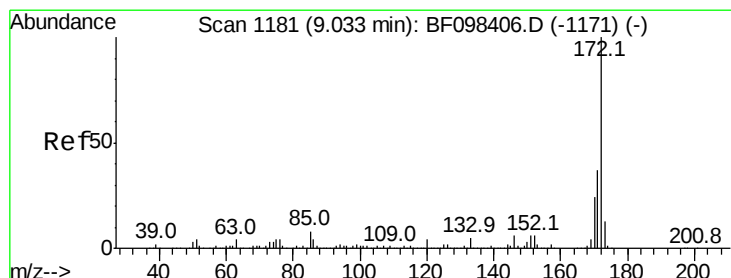
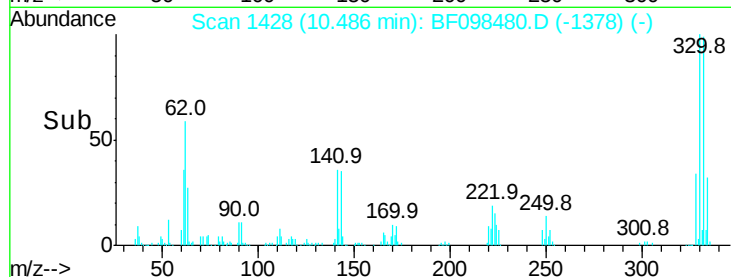
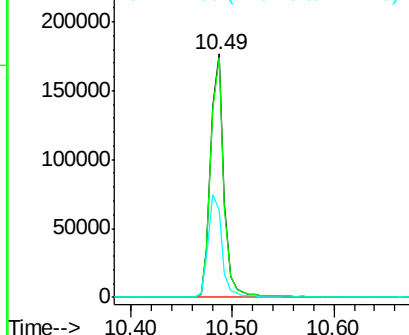
#41
 2,4,6-Tribromophenol
 Concen: 89.929 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098480.D
 Acq: 13 Sep 2017 5:36

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 162145
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.6 115.0
 141 44.0 31.4 47.2

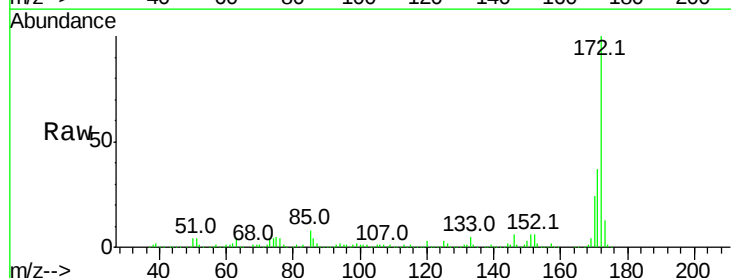


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

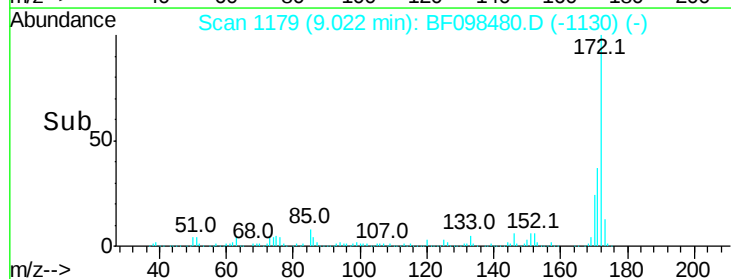
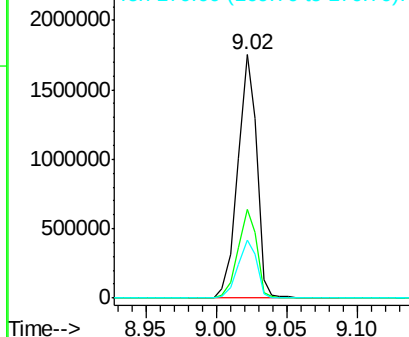


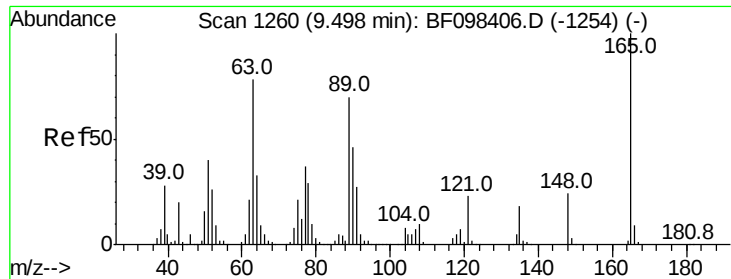
#44
 2-Fluorobiphenyl
 Concen: 103.100 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098480.D
 Acq: 13 Sep 2017 5:36

Tgt Ion:172 Resp: 1643287
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.0 19.8 29.8



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





#50

2,6-Dinitrotoluene

Concen: 8.064 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.19 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

Instrument :

BNA_F

ClientSampled :

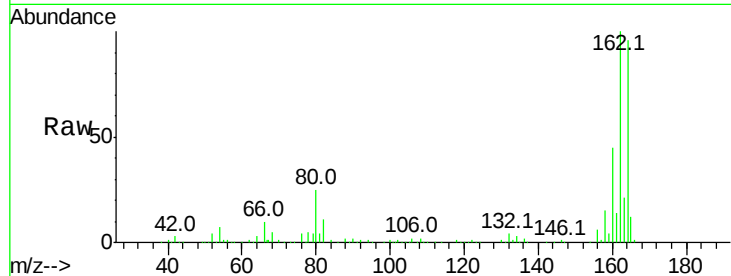
Tot Ion:165 Resp: 34638

Ion Ratio Lower Upper

165 100

63 1.8 34.3 51.5#

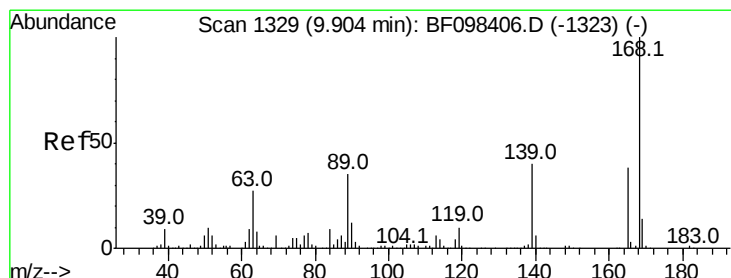
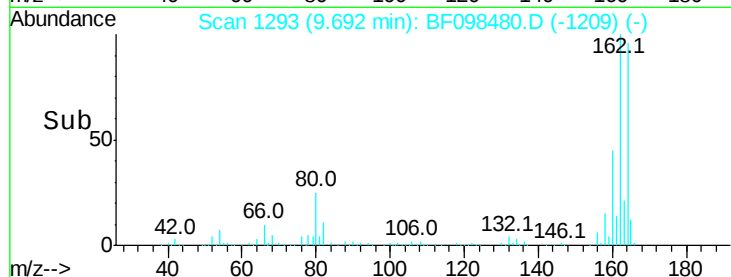
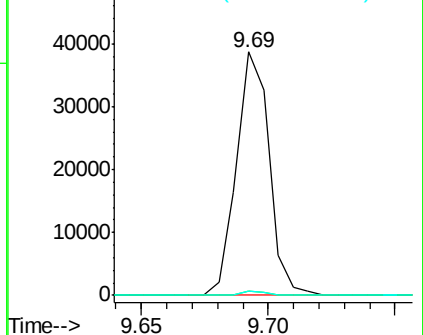
89 1.7 37.1 55.7#



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: 6.633 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.21 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

Tgt Ion:165 Resp: 34638

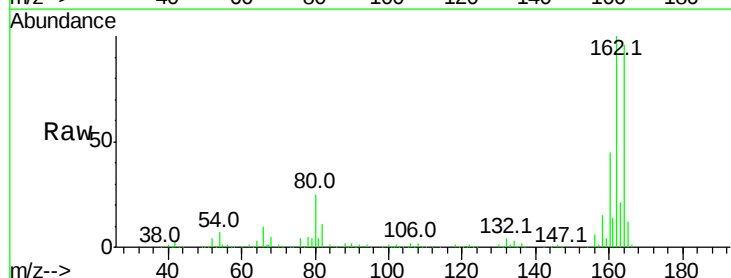
Ion Ratio Lower Upper

165 100

63 1.8 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

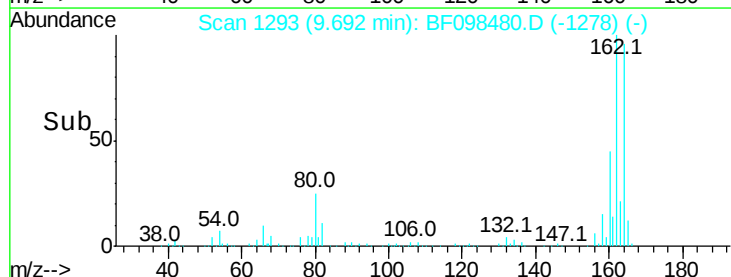
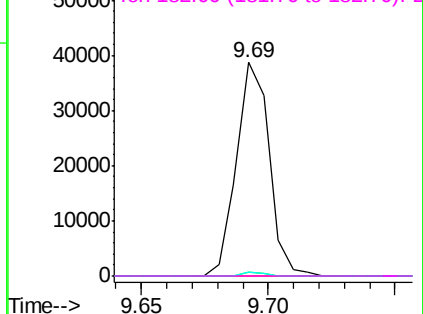


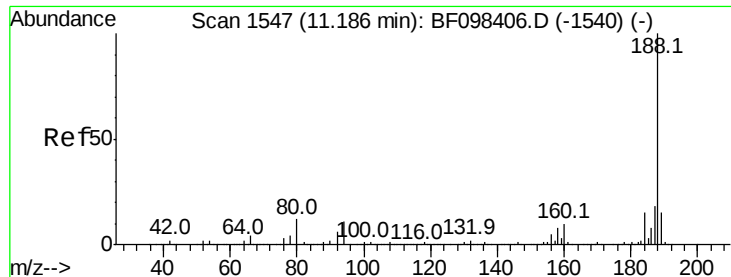
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.17 min Scan# 1545

Delta R.T. -0.01 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

Instrument :

BNA_F

ClientSampleId :

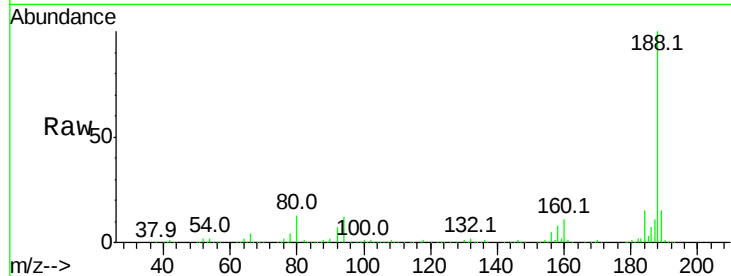
Tot Ion:188 Resp: 442431

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

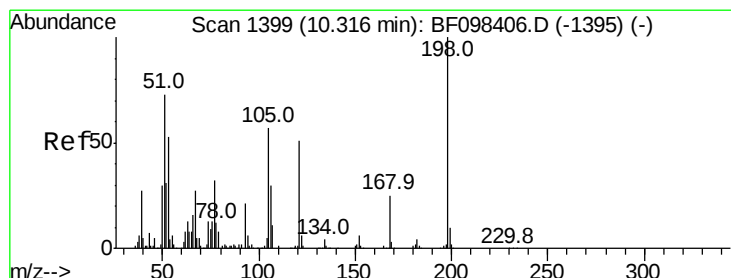
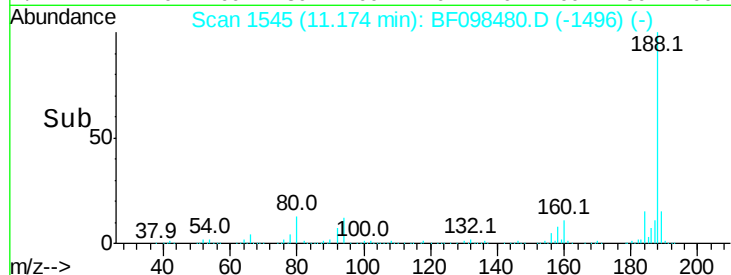
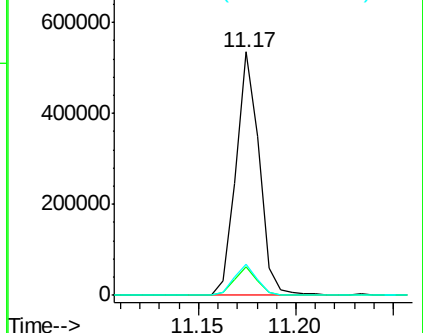
80 13.0 10.2 15.2



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



#64

4,6-Dinitro-2-methylphenol

Concen: 5.077 ng

RT: 10.49 min Scan# 1428

Delta R.T. 0.17 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

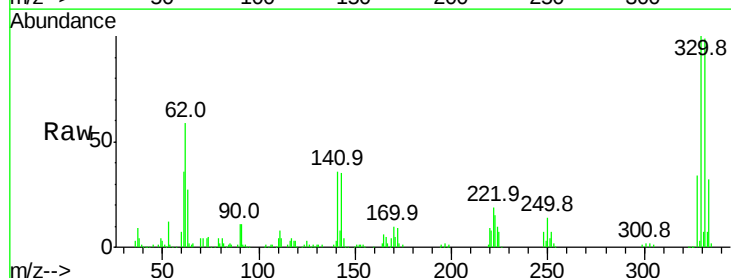
Tgt Ion:198 Resp: 341

Ion Ratio Lower Upper

198 100

51 199.6 53.2 93.2#

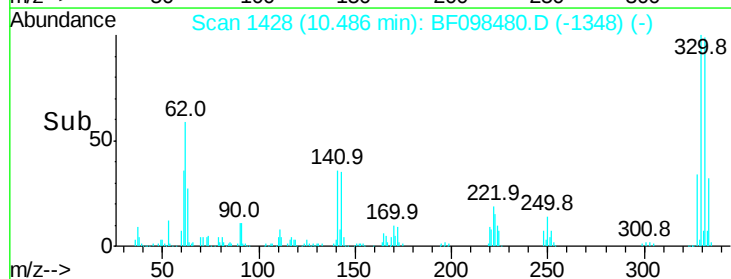
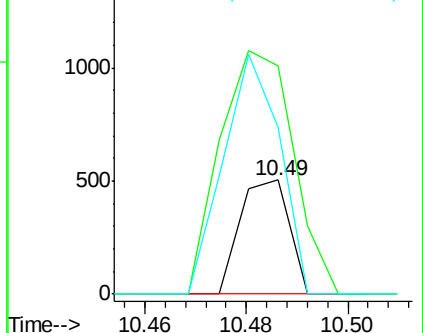
105 146.6 45.8 85.8#

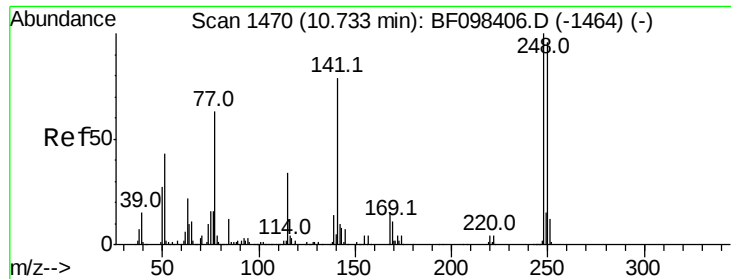


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

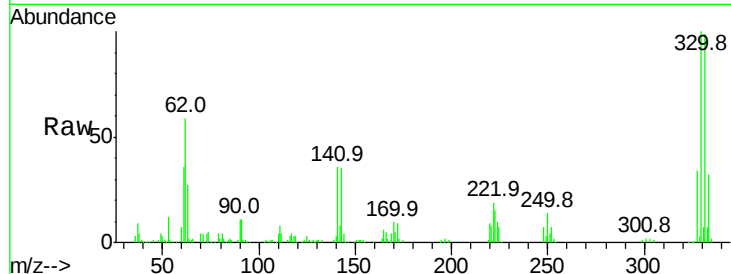




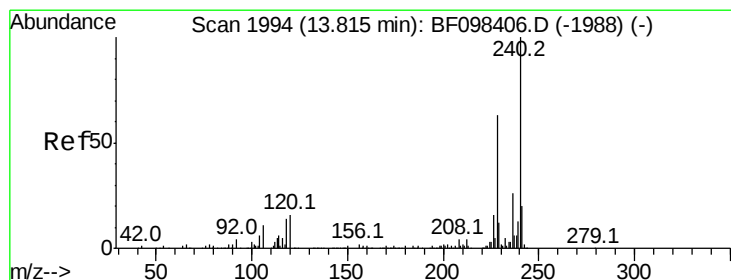
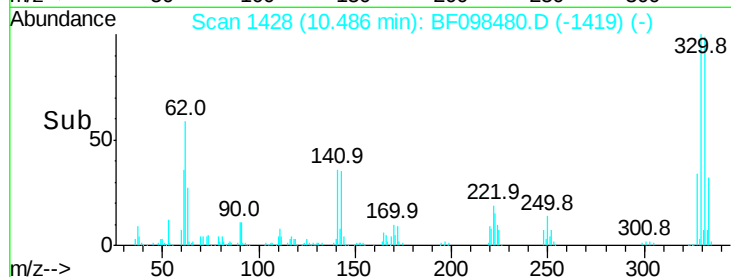
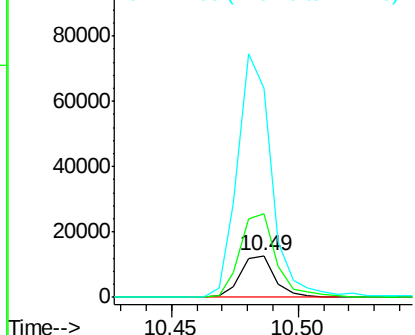
#66
4-Bromophenyl-phenylether
Concen: 2.894 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.25 min
Lab File: BF098480.D
Acq: 13 Sep 2017 5:36

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12152
Ion Ratio Lower Upper
248 100
250 200.7 76.8 115.2#
141 501.8 68.6 103.0#

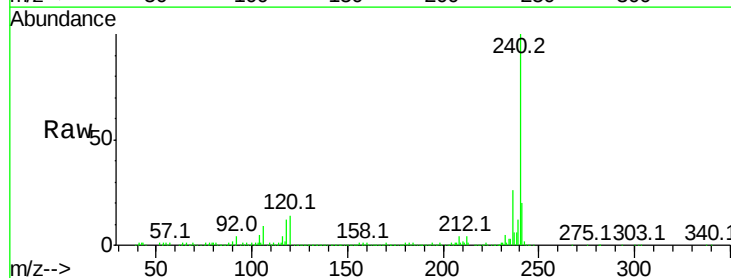


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

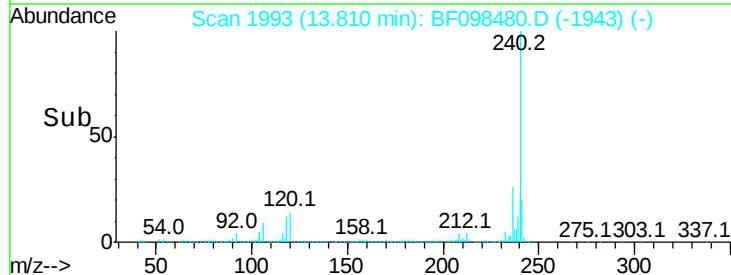
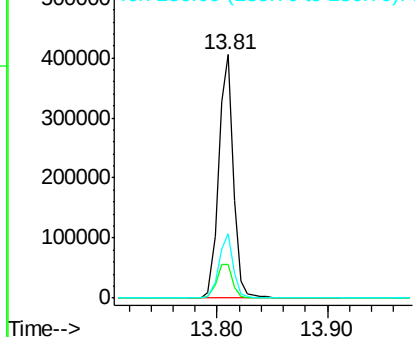


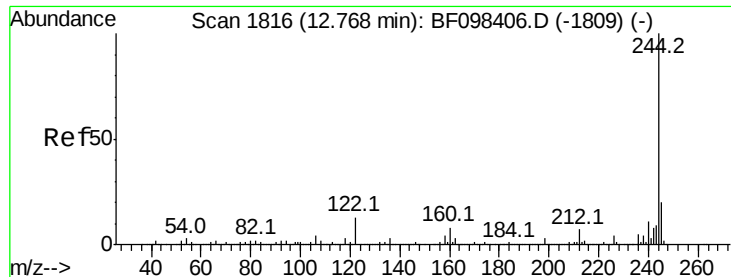
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.81 min Scan# 1993
Delta R.T. -0.01 min
Lab File: BF098480.D
Acq: 13 Sep 2017 5:36

Tgt Ion:240 Resp: 375261
Ion Ratio Lower Upper
240 100
120 13.7 5.8 8.8#
236 26.4 20.5 30.7



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: 71.671 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

Instrument :

BNA_F

ClientSampleId :

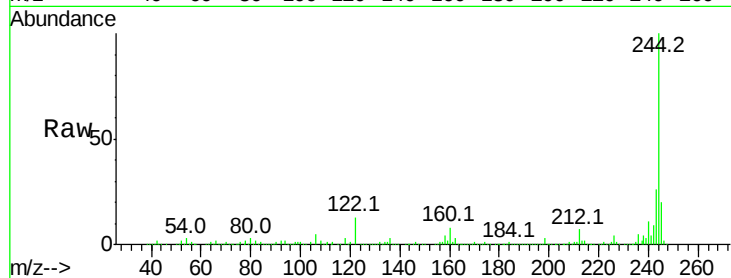
Tot Ion:244 Resp: 1246036

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

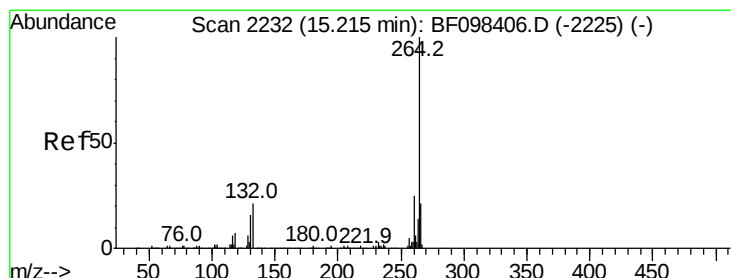
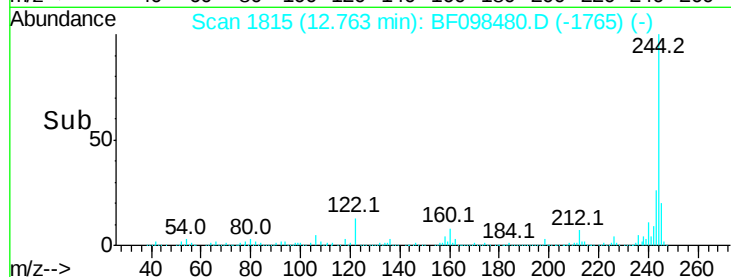
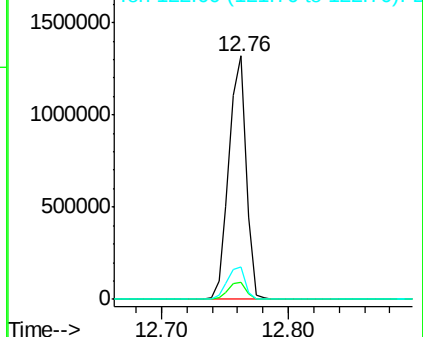
122 13.3 10.3 15.5



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: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF098480.D

Acq: 13 Sep 2017 5:36

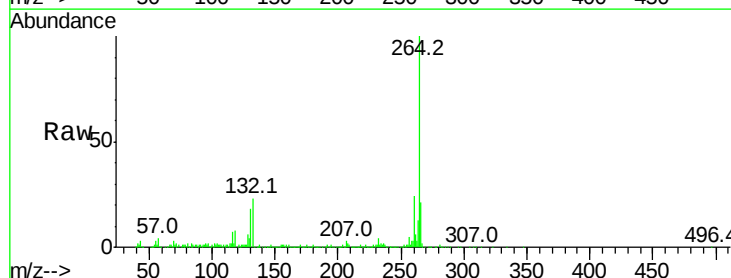
Tgt Ion:264 Resp: 280299

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 21.3 17.2 25.8



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

