

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098478.D
 Acq On : 13 Sep 2017 4:40
 Operator : SJ/JU
 Sample : I5175-06
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-EAST-SP-COMP

Quant Time: Sep 13 05:42:31 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

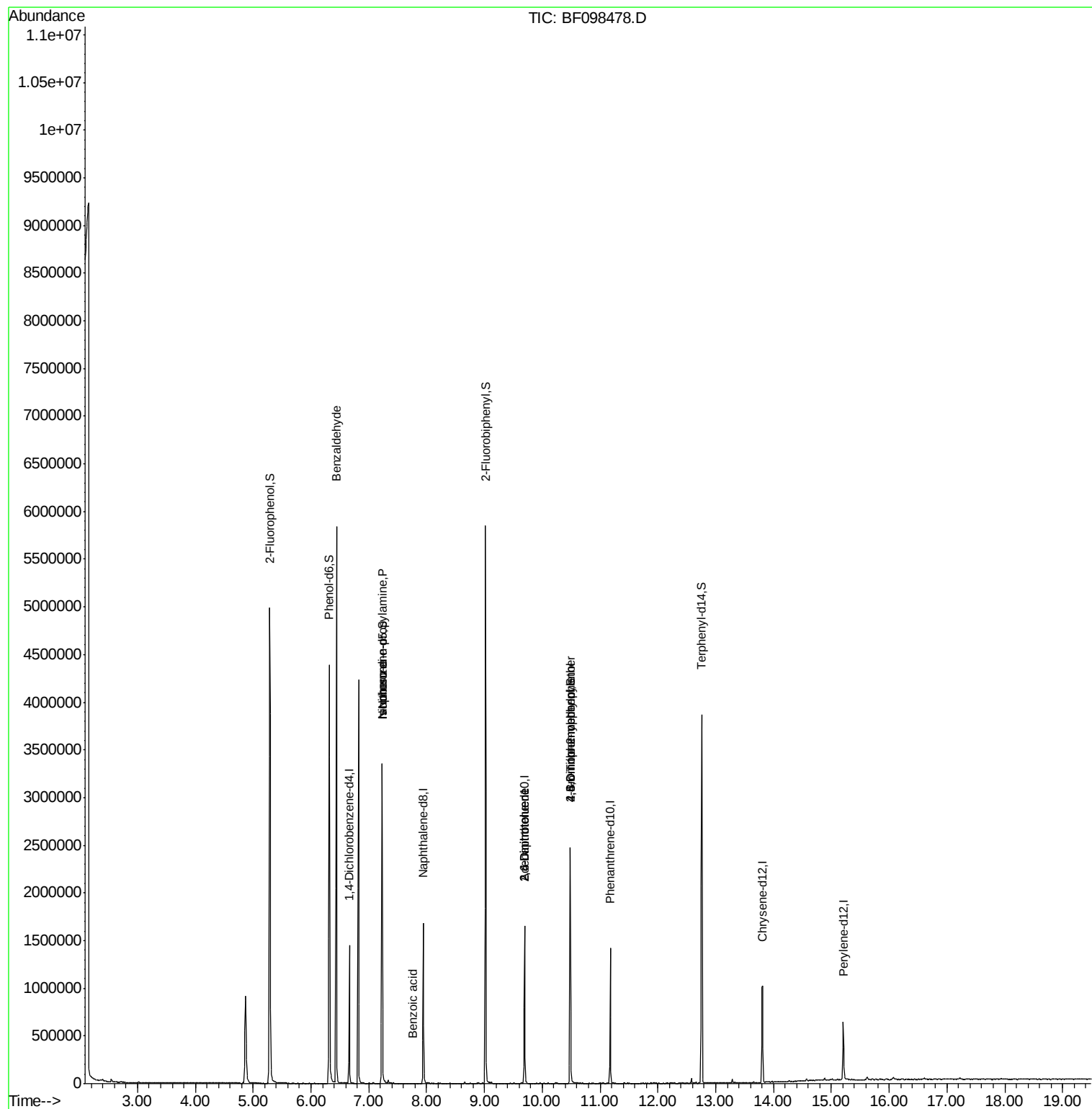
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	191816	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	759873	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	298071	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	449363	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	347217	20.00	ng	0.00
86) Perylene-d12	15.21	264	266032	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1511138	116.48	ng	0.01
7) Phenol-d6	6.32	99	1717841	104.29	ng	0.00
23) Nitrobenzene-d5	7.23	82	1166355	85.57	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	272819	137.14	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1857445	105.62	ng	-0.01
78) Terphenyl-d14	12.76	244	1250243	77.72	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.44	77	34214	3.177	ng	81
19) n-Nitroso-di-n-propylamine	7.23	70	157596	15.210	ng	# 80
25) Isophorone	7.23	82	1145063	41.522	ng	# 67
32) Benzoic acid	7.77	122	115	7.981	ng	# 35
50) 2,6-Dinitrotoluene	9.69	165	37526	7.918	ng	# 34
56) 2,4-Dinitrotoluene	9.69	165	37526	6.513	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.49	198	839	5.237	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	19740	4.629	ng	# 1

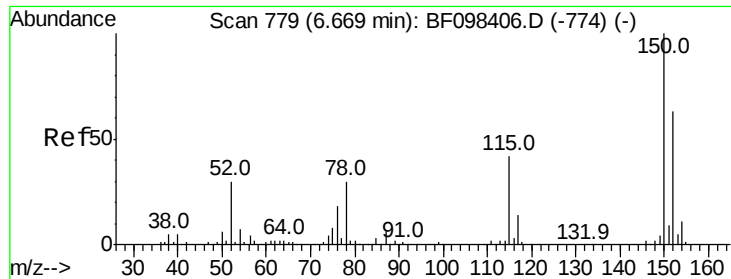
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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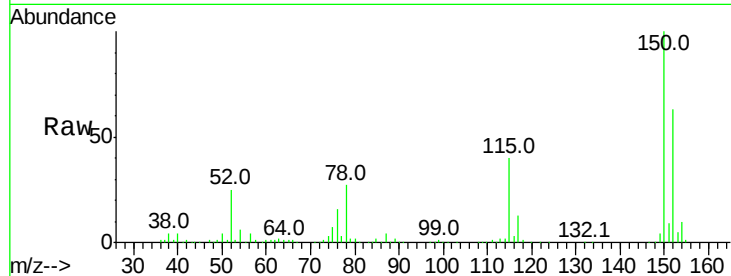


#1

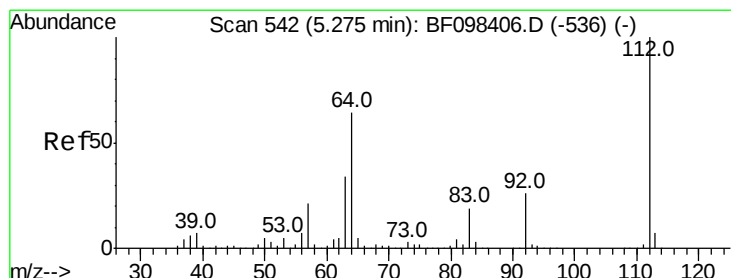
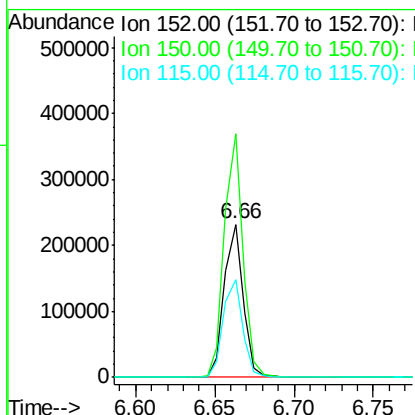
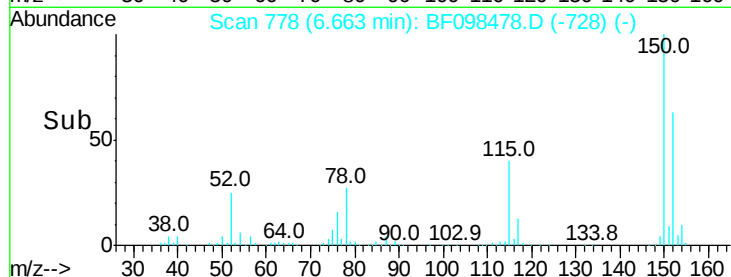
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF098478.D
 Acq: 13 Sep 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-EAST-SP-COMP

Tot Ion:152 Resp: 191816
 Ion Ratio Lower Upper
 152 100
 150 159.1 126.2 189.2
 115 63.6 52.2 78.2



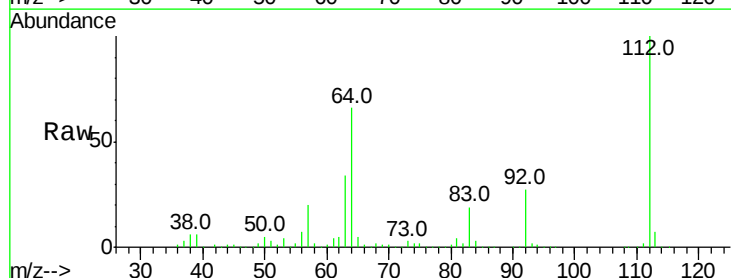
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



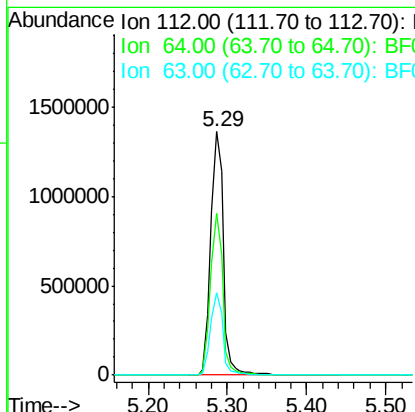
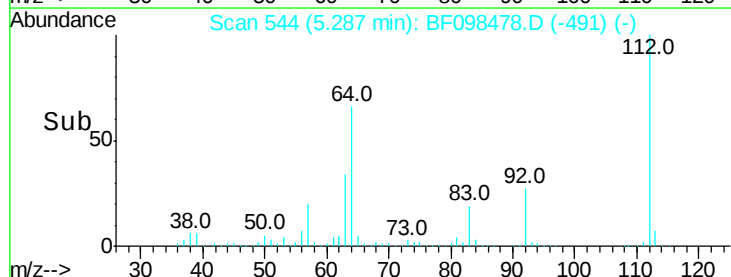
#5

2-Fluorophenol
 Concen: 116.479 ng
 RT: 5.29 min Scan# 544
 Delta R.T. 0.01 min
 Lab File: BF098478.D
 Acq: 13 Sep 2017 4:40

Tgt Ion:112 Resp: 1511138
 Ion Ratio Lower Upper
 112 100
 64 66.5 46.0 69.0
 63 33.7 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: 104.289 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098478.D

Acq: 13 Sep 2017 4:40

Instrument :

BNA_F

ClientSampleId :

NORTH-EAST-SP-COMP

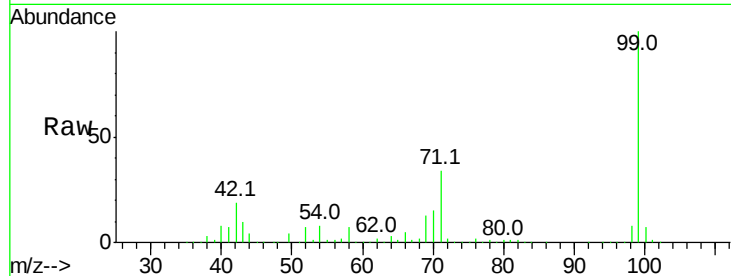
Tot Ion: 99 Resp: 1717841

Ion Ratio Lower Upper

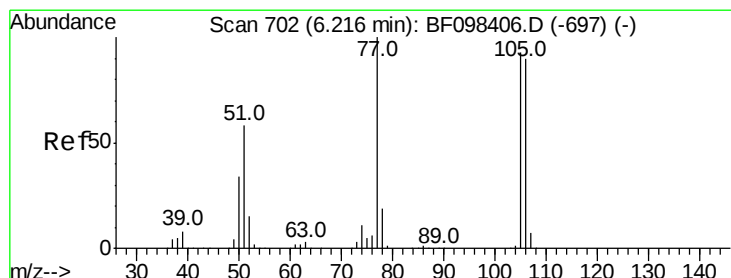
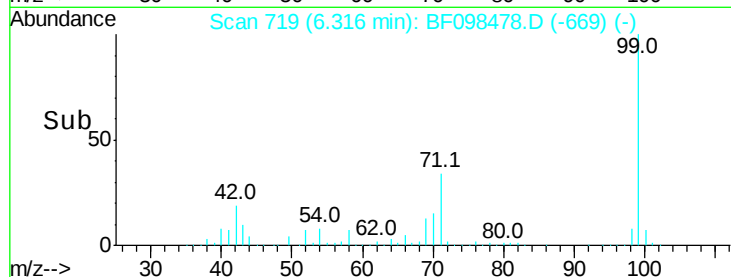
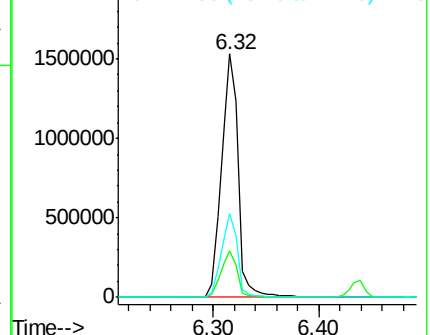
99 100

42 18.9 13.5 20.3

71 34.3 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



#9

Benzaldehyde

Concen: 3.177 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.22 min

Lab File: BF098478.D

Acq: 13 Sep 2017 4:40

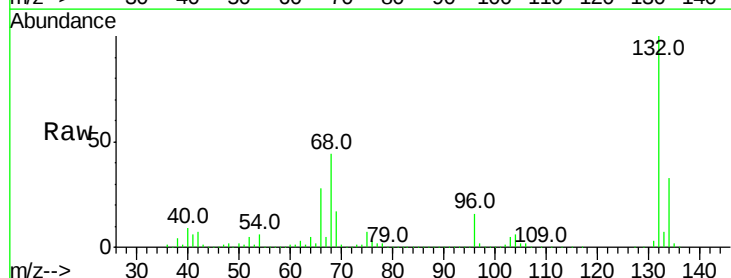
Tgt Ion: 77 Resp: 34214

Ion Ratio Lower Upper

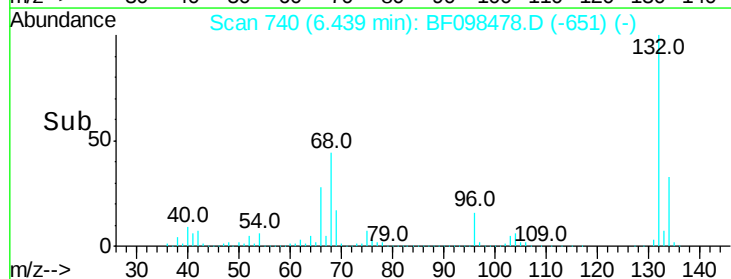
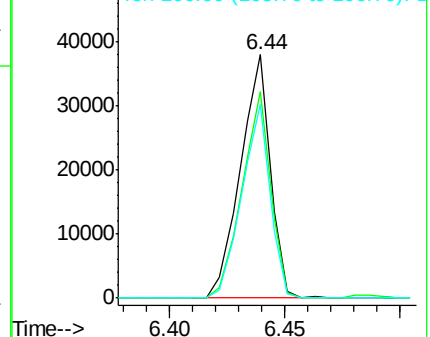
77 100

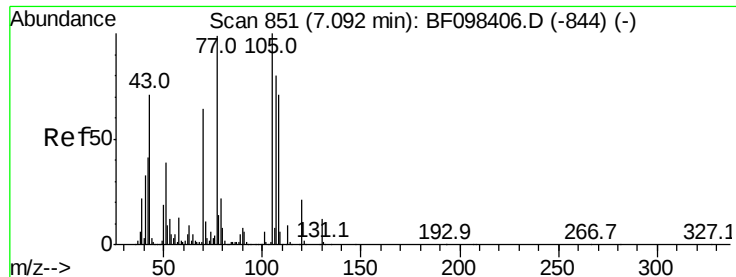
105 84.9 83.8 123.8

106 79.3 79.1 119.1



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

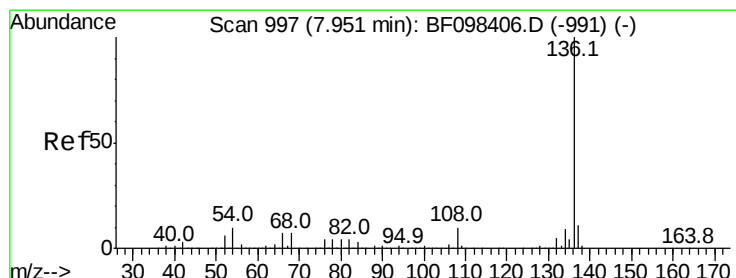
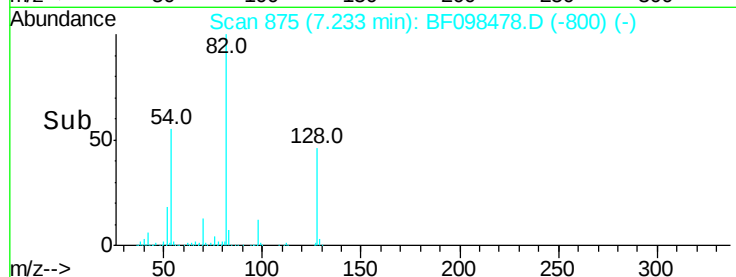
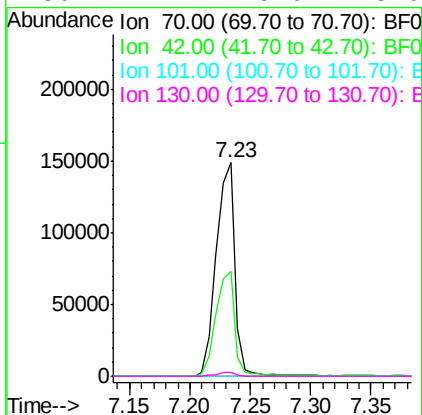
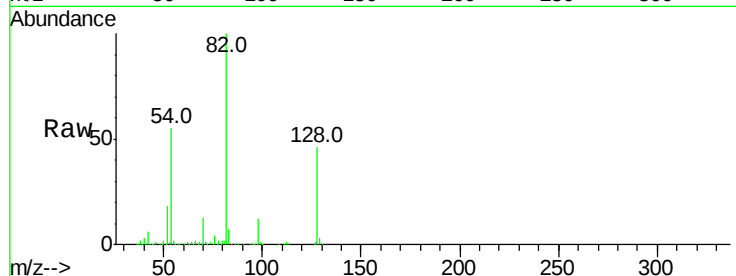




#19
n-Nitroso-di-n-propylamine
Concen: 15.210 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.14 min
Lab File: BF098478.D
Acq: 13 Sep 2017 4:40

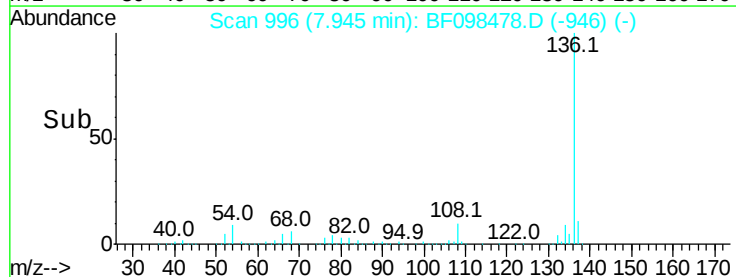
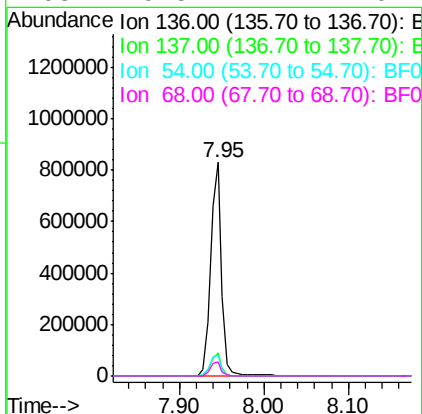
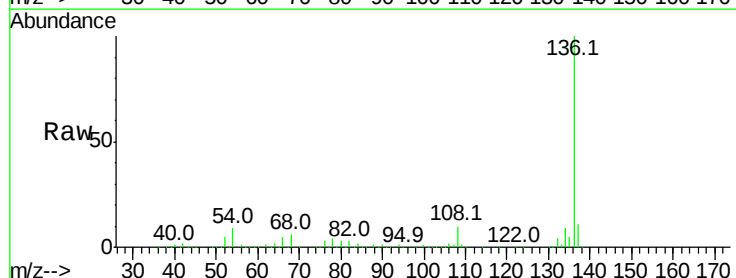
Instrument :
BNA_F
ClientSampleId :
NORTH-EAST-SP-COMP

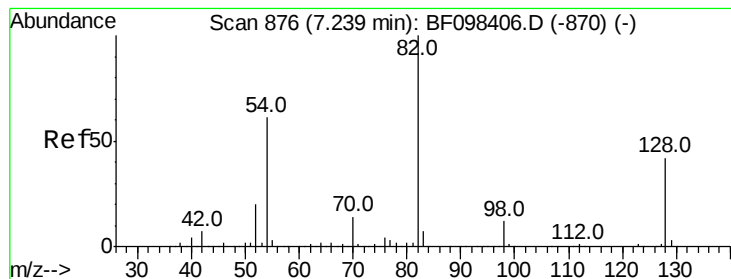
Tot Ion: 70 Resp: 157596
Ion Ratio Lower Upper
70 100
42 49.2 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098478.D
Acq: 13 Sep 2017 4:40

Tgt Ion: 136 Resp: 759873
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 9.4 4.9 7.3#
68 6.5 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 85.572 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF098478.D

Acq: 13 Sep 2017 4:40

Instrument :

BNA_F

ClientSampleId :

NORTH-EAST-SP-COMP

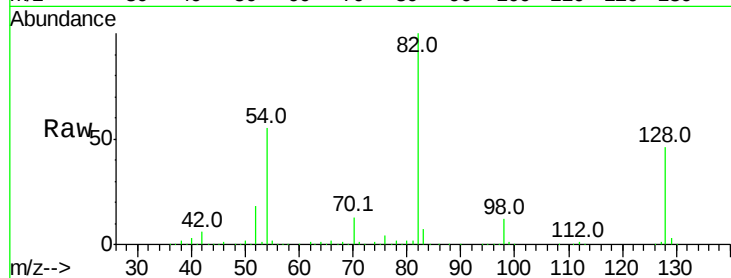
Tot Ion: 82 Resp: 1166355

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

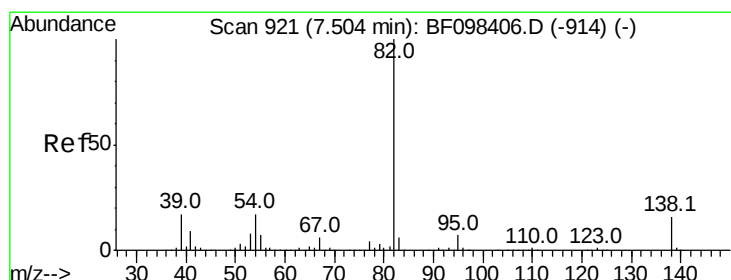
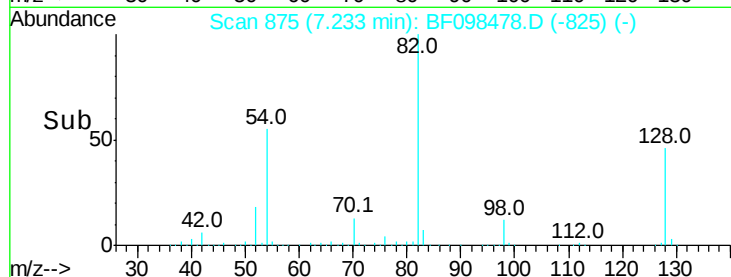
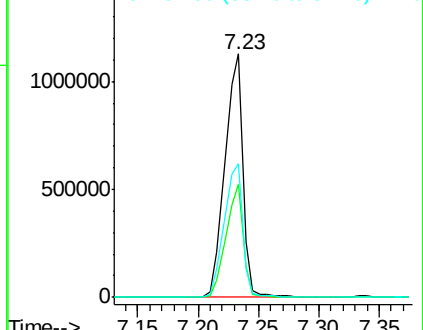
54 54.9 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 41.522 ng

RT: 7.23 min Scan# 875

Delta R.T. -0.27 min

Lab File: BF098478.D

Acq: 13 Sep 2017 4:40

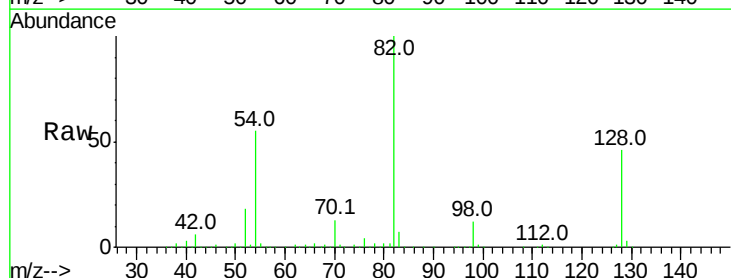
Tgt Ion: 82 Resp: 1145063

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

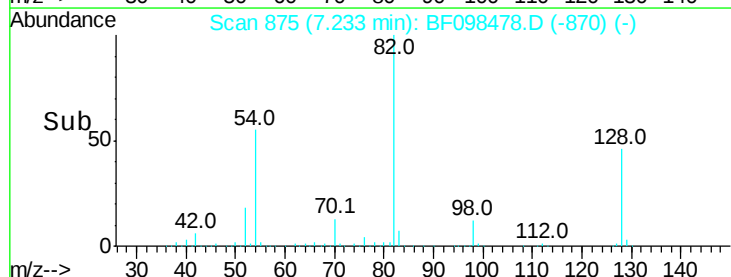
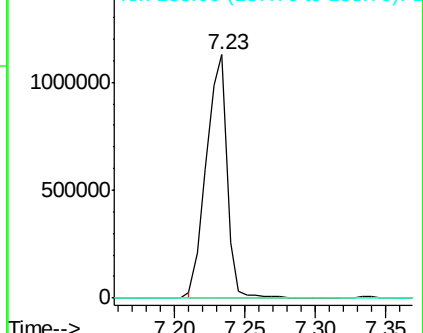
138 0.0 13.1 19.7#

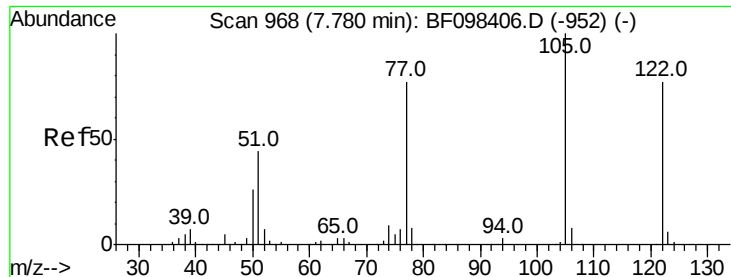


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

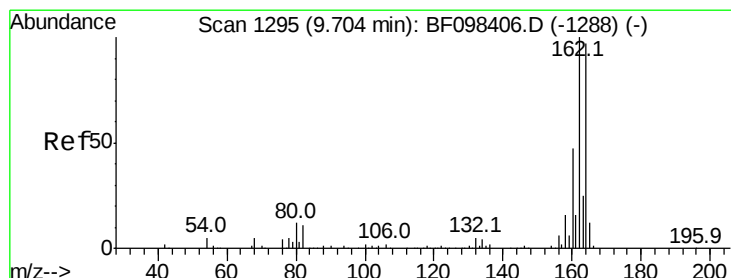
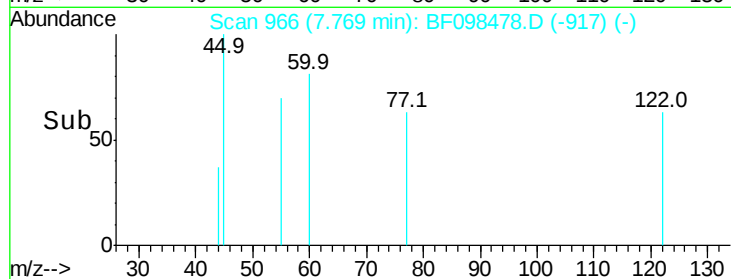
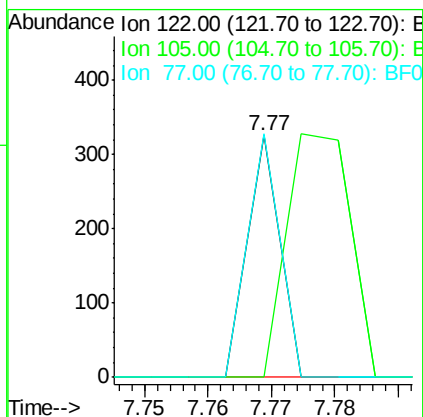
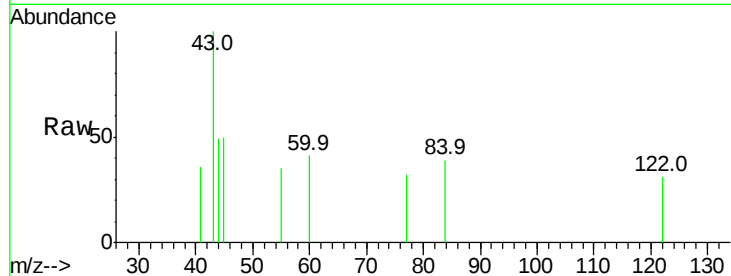




#32
Benzoic acid
Concen: 7.981 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.01 min
Lab File: BF098478.D
Acq: 13 Sep 2017 4:40

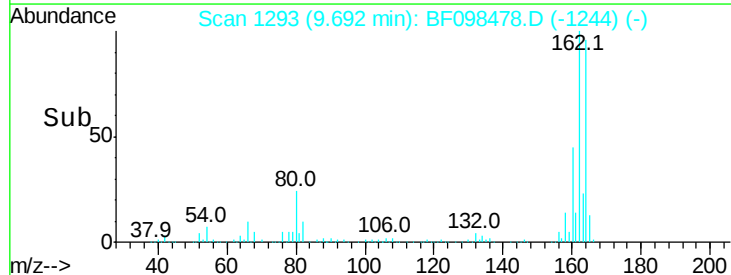
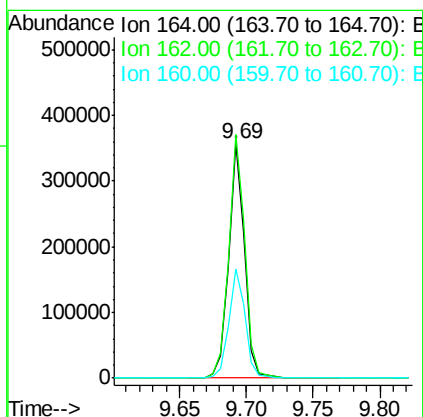
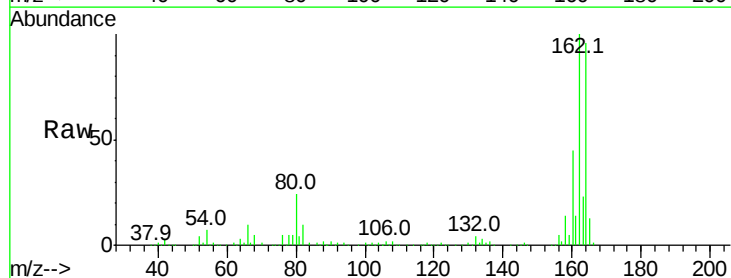
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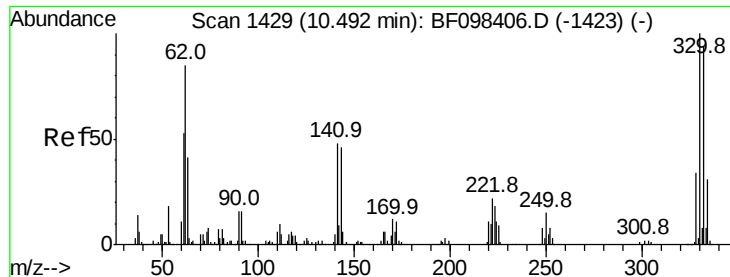
Tot Ion:122 Resp: 115
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 100.6 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF098478.D
Acq: 13 Sep 2017 4:40

Tgt Ion:164 Resp: 298071
Ion Ratio Lower Upper
164 100
162 103.9 82.6 123.8
160 46.4 36.2 54.2

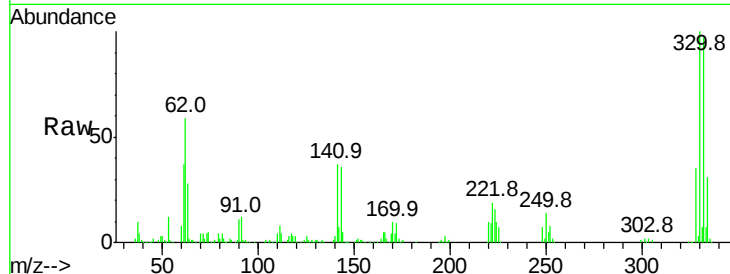




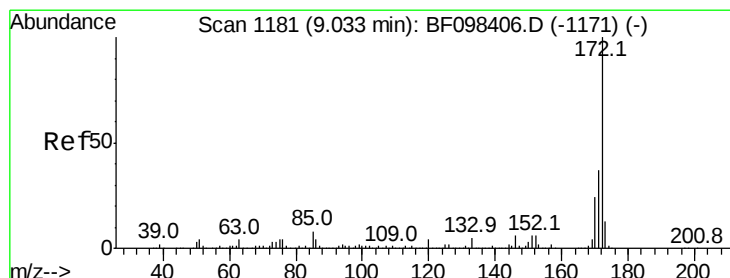
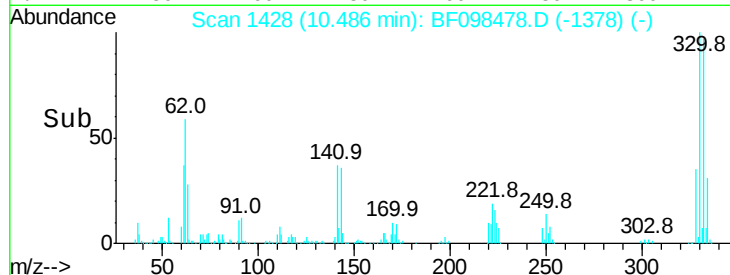
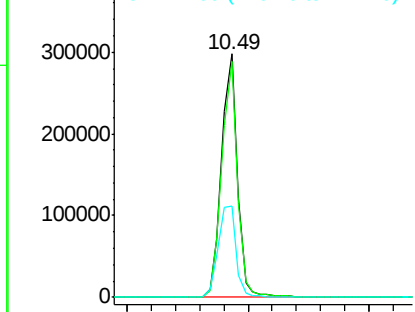
#41
 2,4,6-Tribromophenol
 Concen: 137.138 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098478.D
 Acq: 13 Sep 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-EAST-SP-COMP

Tot Ion:330 Resp: 272819
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.6 115.0
 141 42.0 31.4 47.2

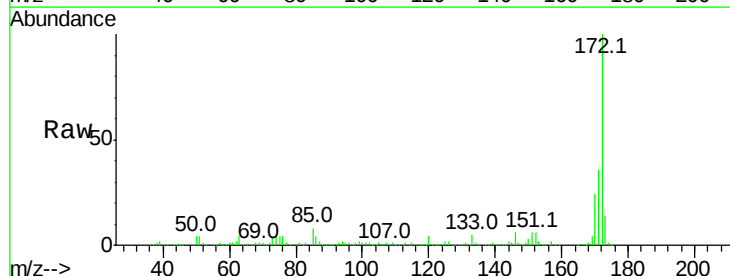


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

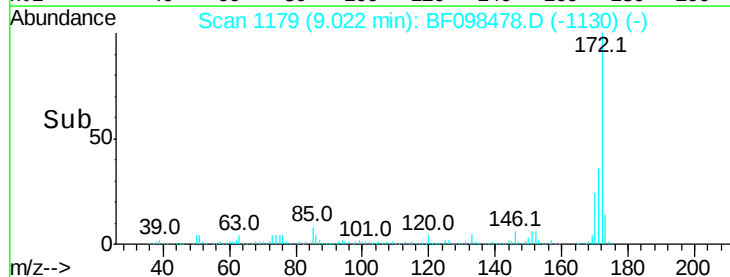
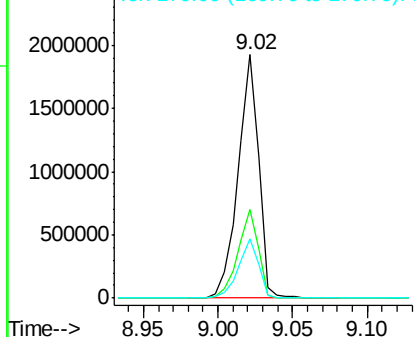


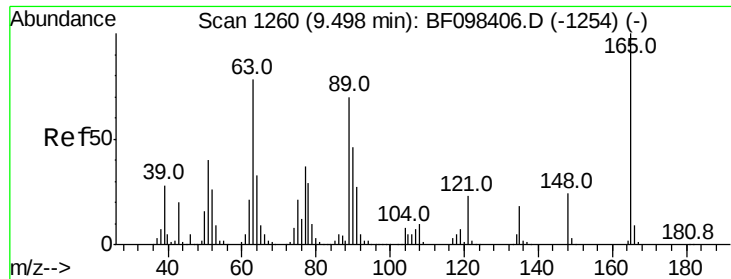
#44
 2-Fluorobiphenyl
 Concen: 105.620 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098478.D
 Acq: 13 Sep 2017 4:40

Tgt Ion:172 Resp: 1857445
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.6 44.4
 170 24.2 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: 7.918 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.19 min

Lab File: BF098478.D

Acq: 13 Sep 2017 4:40

Instrument :

BNA_F

ClientSampleId :

NORTH-EAST-SP-COMP

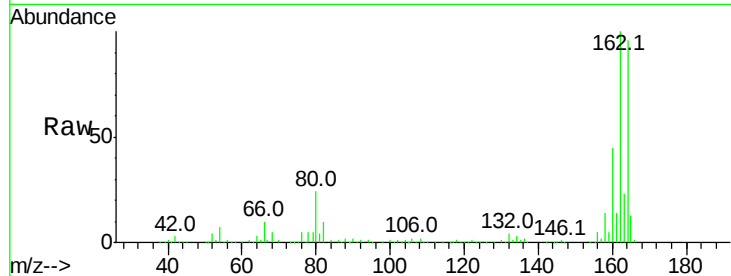
Tot Ion:165 Resp: 37526

Ion Ratio Lower Upper

165 100

63 1.3 34.3 51.5#

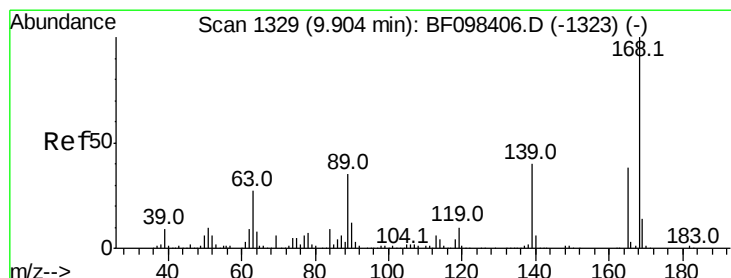
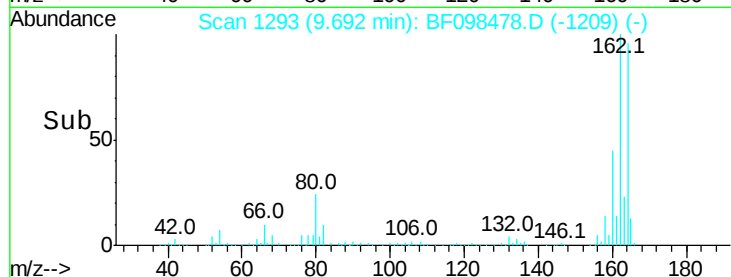
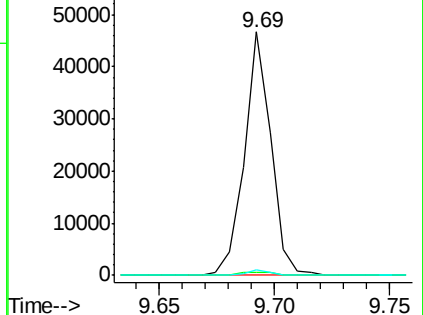
89 2.2 37.1 55.7#



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: 6.513 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.21 min

Lab File: BF098478.D

Acq: 13 Sep 2017 4:40

Tgt Ion:165 Resp: 37526

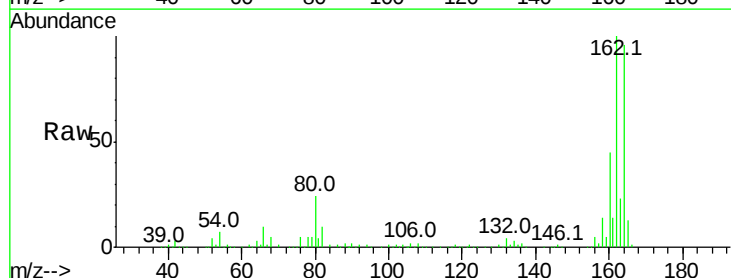
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 2.2 46.4 69.6#

182 0.0 1.8 2.6#

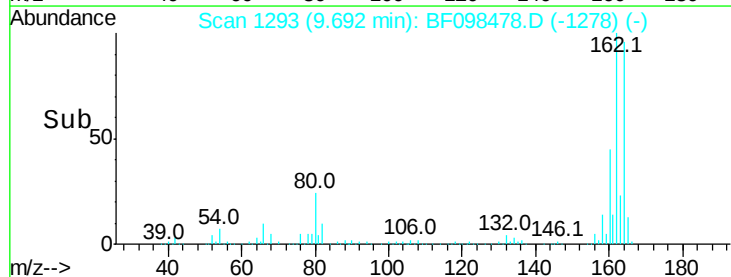
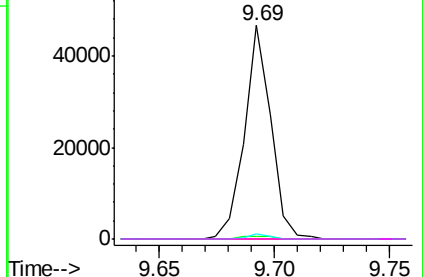


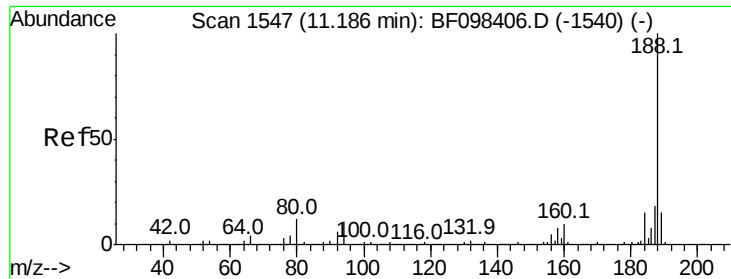
Abundance Ion 165.00 (164.70 to 165.70): E

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

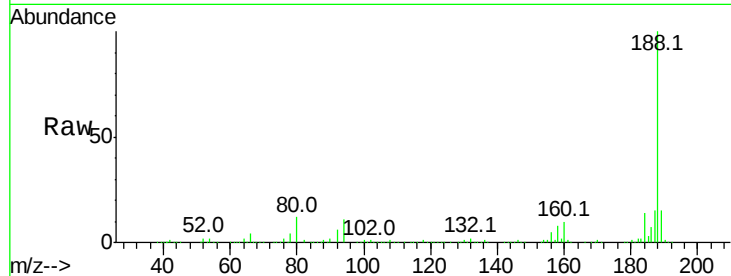




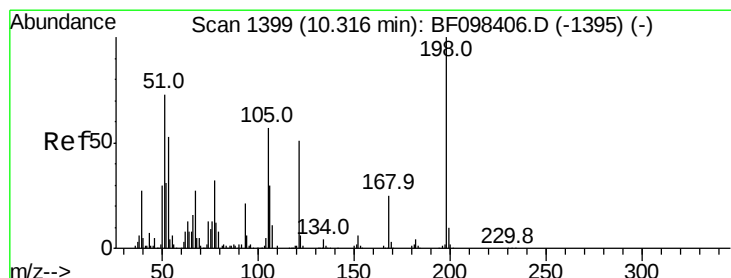
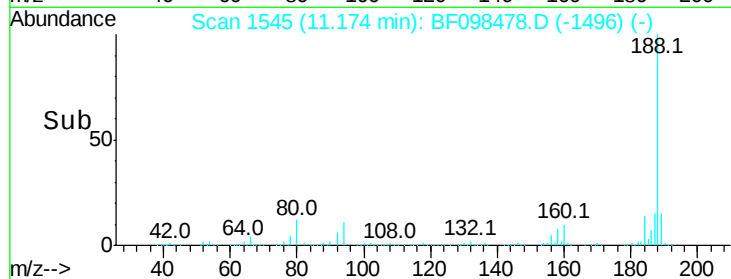
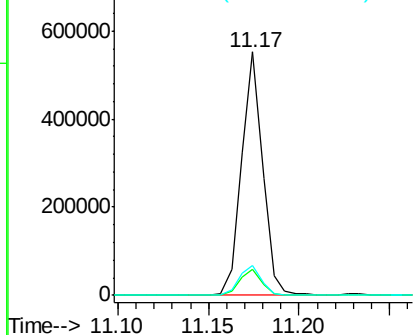
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF098478.D
Acq: 13 Sep 2017 4:40

Instrument :
BNA_F
ClientSampleId :
NORTH-EAST-SP-COMP

Tot Ion:188 Resp: 449363
Ion Ratio Lower Upper
188 100
94 10.7 9.4 14.2
80 12.2 10.2 15.2

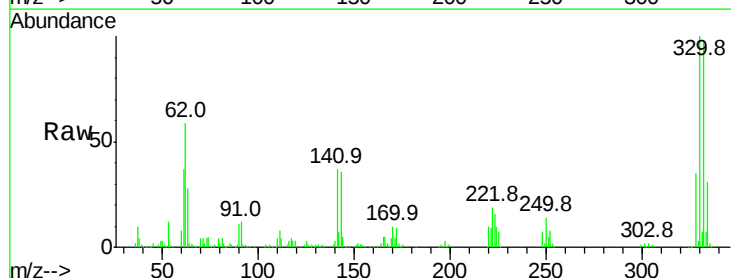


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

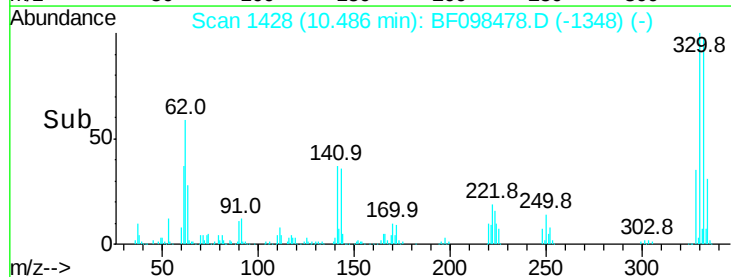
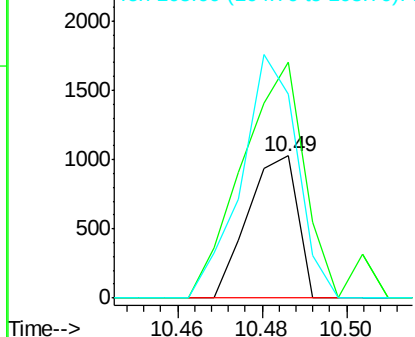


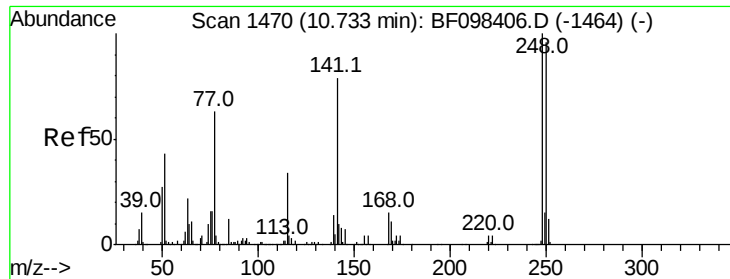
#64
4,6-Dinitro-2-methylphenol
Concen: 5.237 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.17 min
Lab File: BF098478.D
Acq: 13 Sep 2017 4:40

Tgt Ion:198 Resp: 839
Ion Ratio Lower Upper
198 100
51 166.1 53.2 93.2#
105 143.2 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

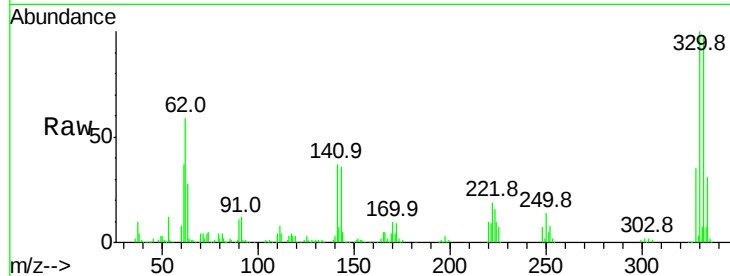




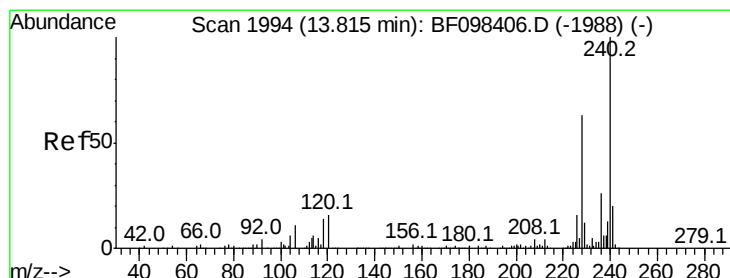
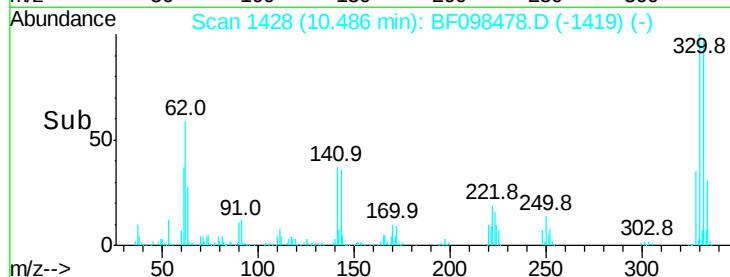
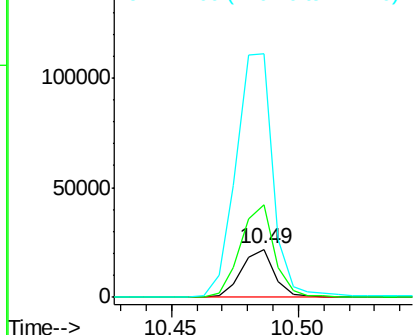
#66
 4-Bromophenyl-phenylether
 Concen: 4.629 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.25 min
 Lab File: BF098478.D
 Acq: 13 Sep 2017 4:40

Instrument :
 BNA_F
 ClientSampleId :
 NORTH-EAST-SP-COMP

Tot Ion:248 Resp: 19740
 Ion Ratio Lower Upper
 248 100
 250 193.7 76.8 115.2#
 141 506.7 68.6 103.0#

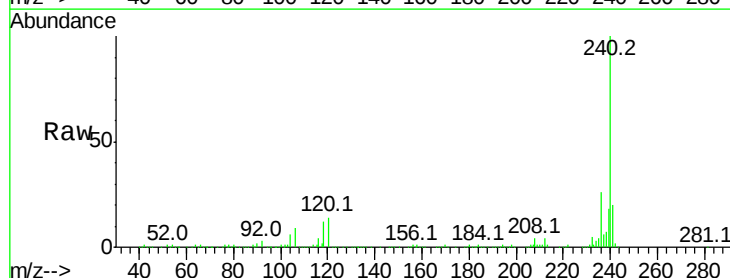


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

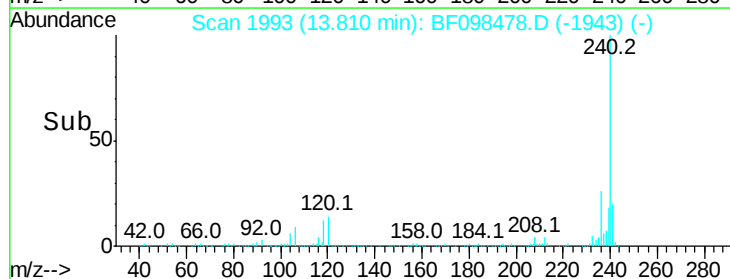
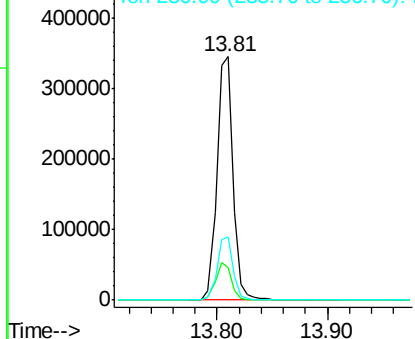


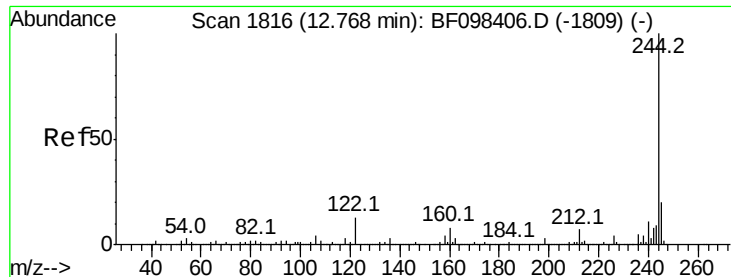
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.81 min Scan# 1993
 Delta R.T. -0.01 min
 Lab File: BF098478.D
 Acq: 13 Sep 2017 4:40

Tgt Ion:240 Resp: 347217
 Ion Ratio Lower Upper
 240 100
 120 13.6 5.8 8.8#
 236 25.9 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: 77.721 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098478.D

Acq: 13 Sep 2017 4:40

Instrument :

BNA_F

ClientSampleId :

NORTH-EAST-SP-COMP

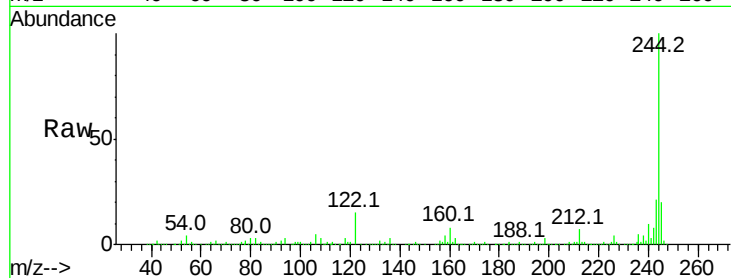
Tot Ion:244 Resp: 1250243

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

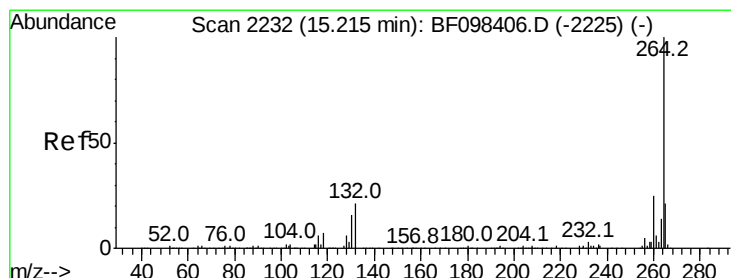
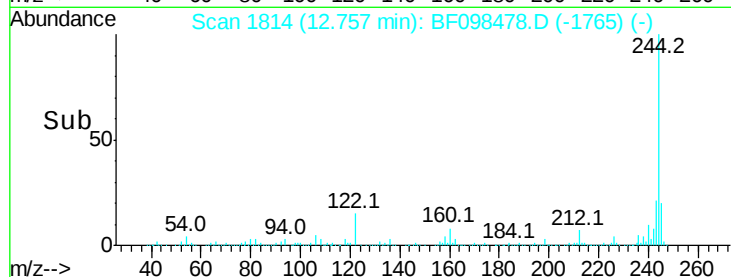
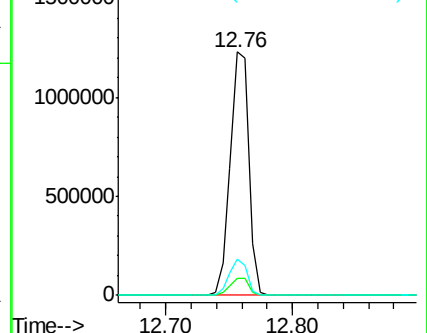
122 14.7 10.3 15.5



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: BF098478.D

Acq: 13 Sep 2017 4:40

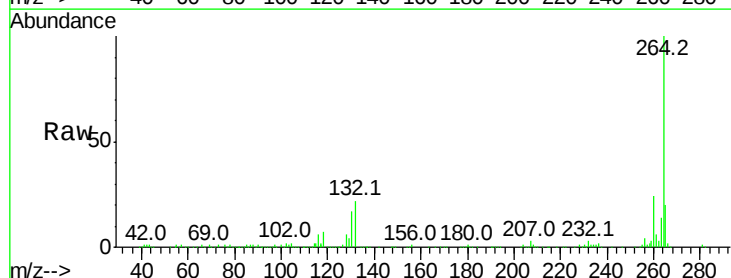
Tgt Ion:264 Resp: 266032

Ion Ratio Lower Upper

264 100

260 23.7 19.5 29.3

265 20.1 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

