

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092717\
 Data File : BF098878.D
 Acq On : 27 Sep 2017 22:28
 Operator : SJ/JU
 Sample : I5386-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 28 01:55:05 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

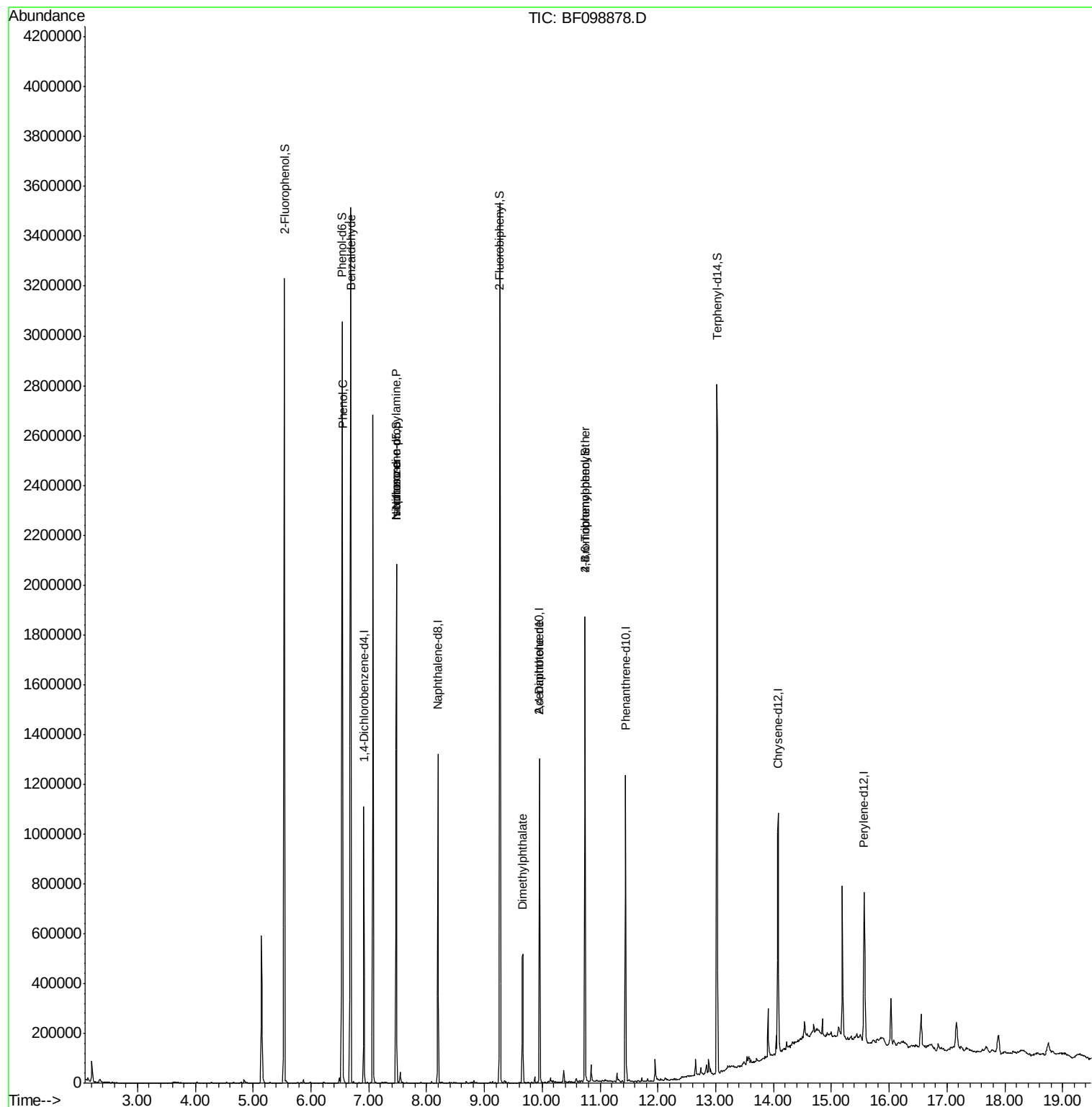
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	140715	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	578428	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	244069	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	384103	20.00	ng	0.00
75) Chrysene-d12	14.08	240	313120	20.00	ng	0.00
86) Perylene-d12	15.57	264	249949	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	969768	109.71	ng	0.00
7) Phenol-d6	6.54	99	1187273	108.88	ng	0.00
23) Nitrobenzene-d5	7.47	82	727210	80.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	201318	100.80	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1171652	80.14	ng	-0.01
78) Terphenyl-d14	13.02	244	896234	65.09	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.69	77	20612	3.26	ng	90
10) Phenol	6.55	94	27540	2.26	ng	99
19) n-Nitroso-di-n-propylamine	7.47	70	96344	13.84	ng	# 78
25) Isophorone	7.47	82	726064	38.94	ng	# 64
49) Dimethylphthalate	9.66	163	216937	11.78	ng	100
56) 2,4-Dinitrotoluene	9.95	165	30296	5.82	ng	# 24
66) 4-Bromophenyl-phenylether	10.74	248	14103	3.75	ng	# 1

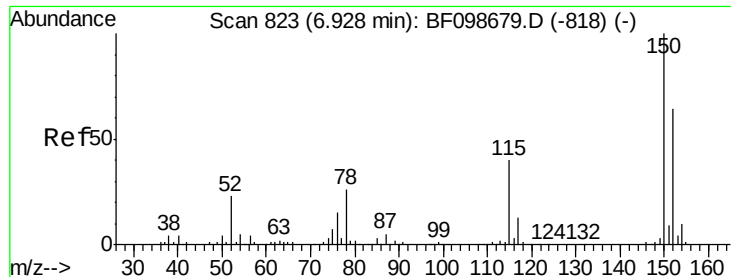
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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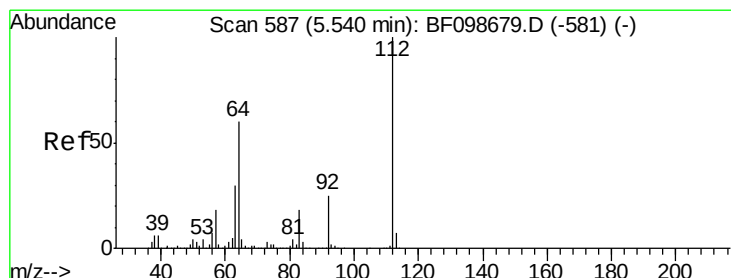
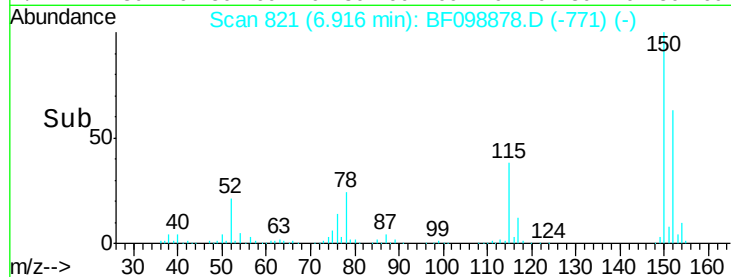
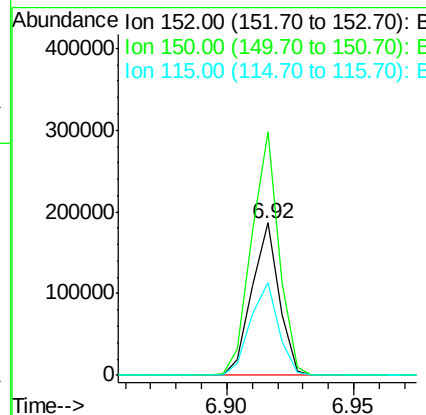
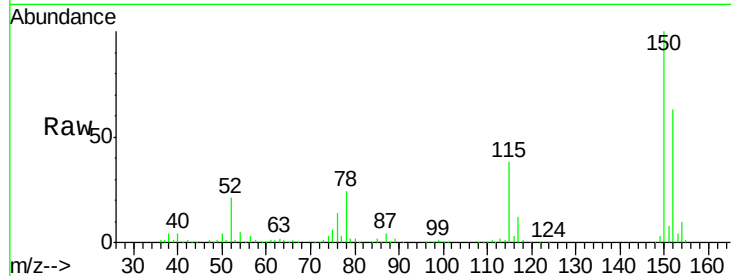


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098878.D
Acq: 27 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :

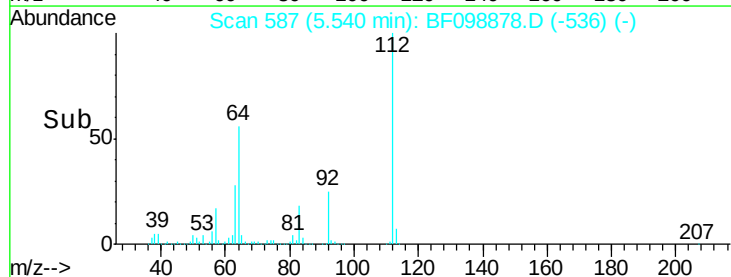
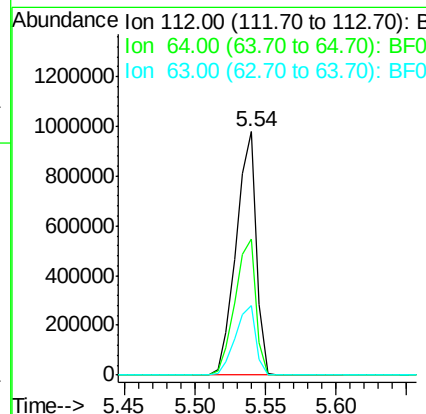
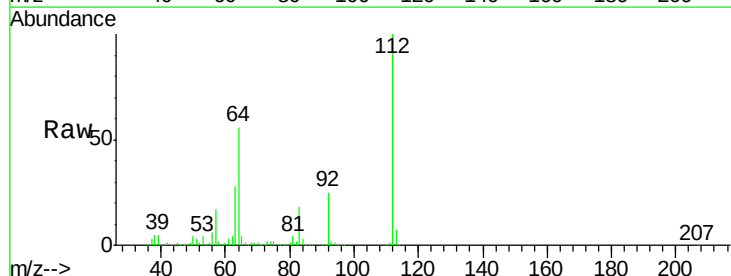
Tot Ion:152 Resp: 140715
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 61.0 50.1 75.1

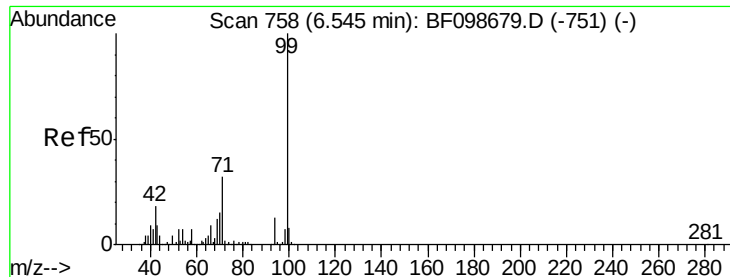


#5

2-Fluorophenol
Concen: 109.71 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF098878.D
Acq: 27 Sep 2017 22:28

Tgt Ion:112 Resp: 969768
Ion Ratio Lower Upper
112 100
64 56.1 47.9 71.9
63 28.4 23.7 35.5





#7

Phenol-d6

Concen: 108.88 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Instrument :

BNA_F

ClientSampled :

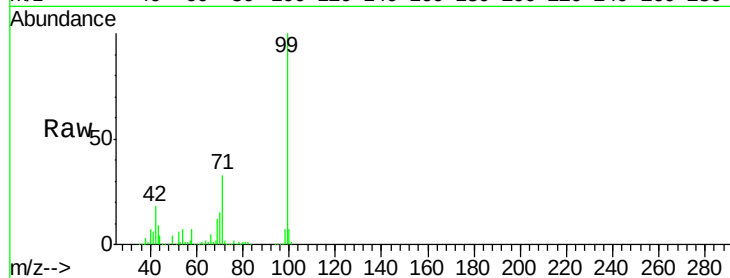
Tot Ion: 99 Resp: 1187273

Ion Ratio Lower Upper

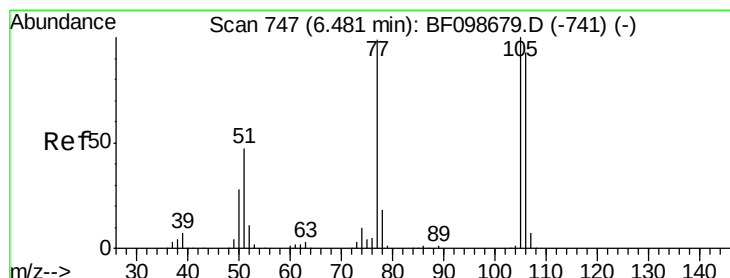
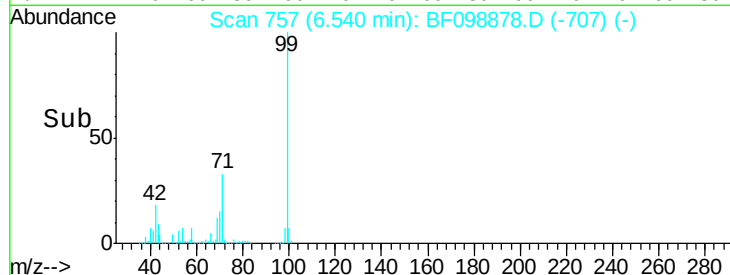
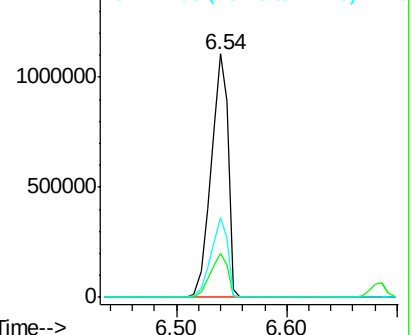
99 100

42 18.2 14.5 21.7

71 32.8 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: 3.26 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.21 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

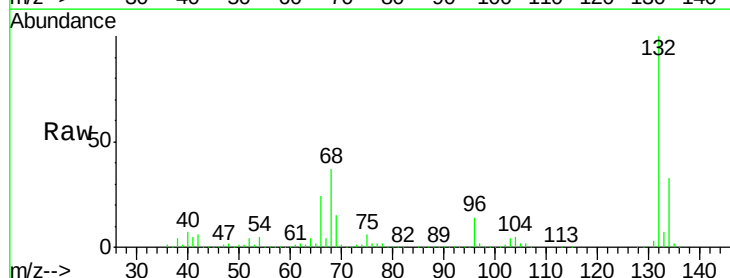
Tgt Ion: 77 Resp: 20612

Ion Ratio Lower Upper

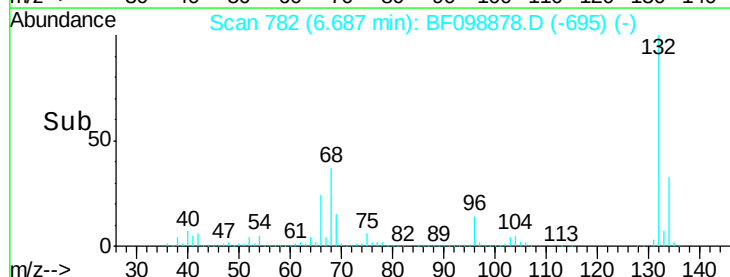
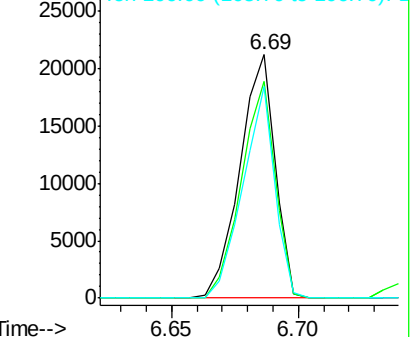
77 100

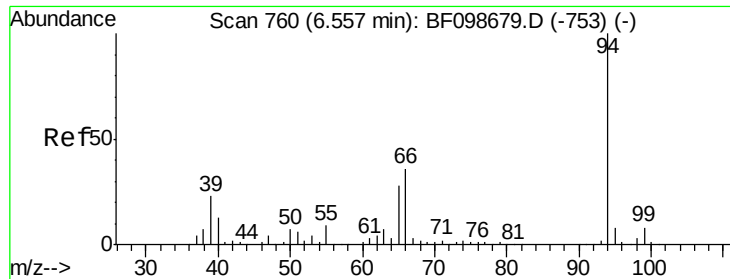
105 89.1 81.1 121.1

106 86.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 2.26 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

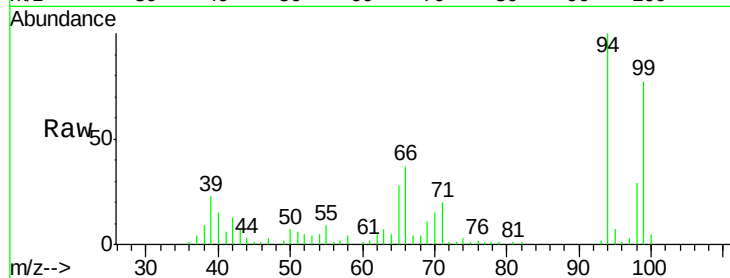
Tot Ion: 94 Resp: 27540

Ion Ratio Lower Upper

94 100

65 27.7 7.9 47.9

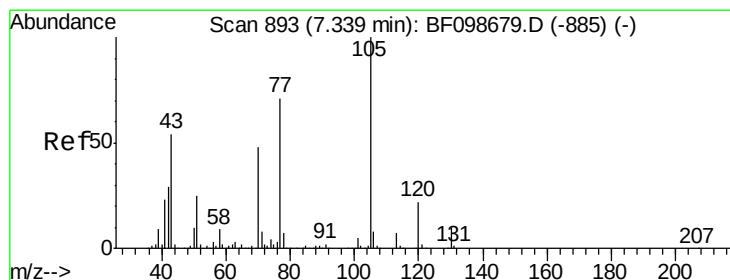
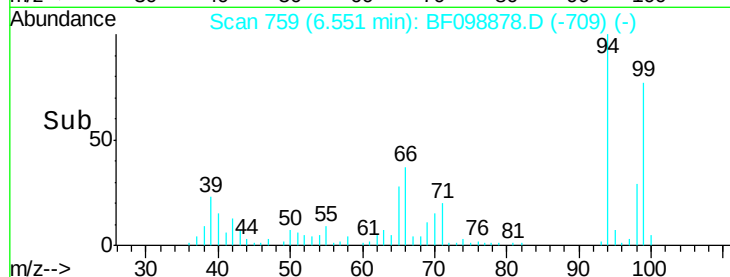
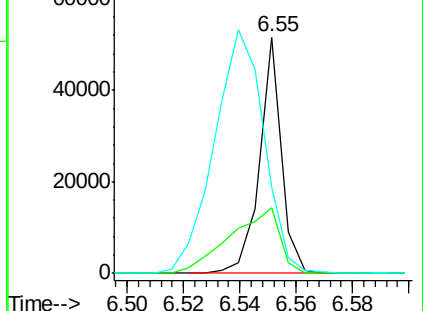
66 36.5 16.2 56.2



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: 13.84 ng

RT: 7.47 min Scan# 916

Delta R.T. 0.14 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Tgt Ion: 70 Resp: 96344

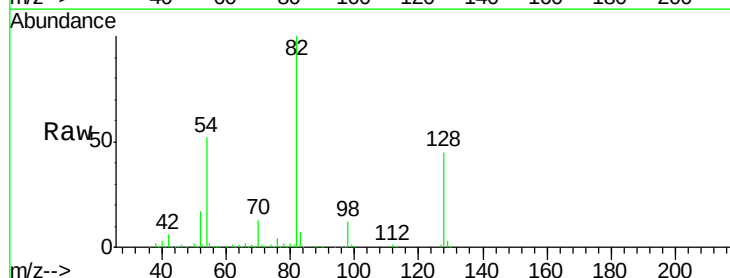
Ion Ratio Lower Upper

70 100

42 48.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

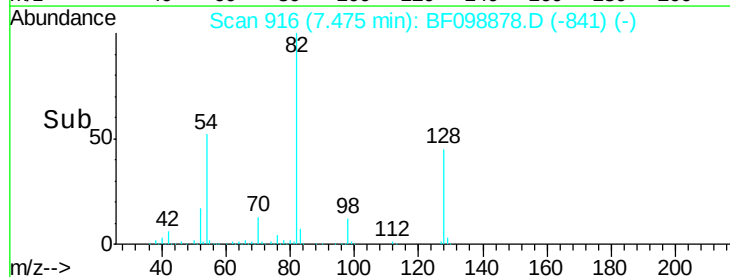
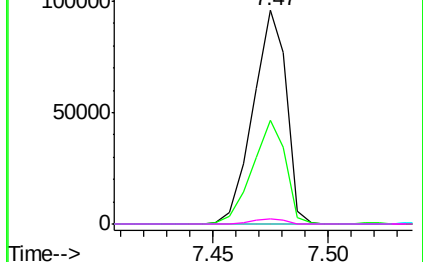


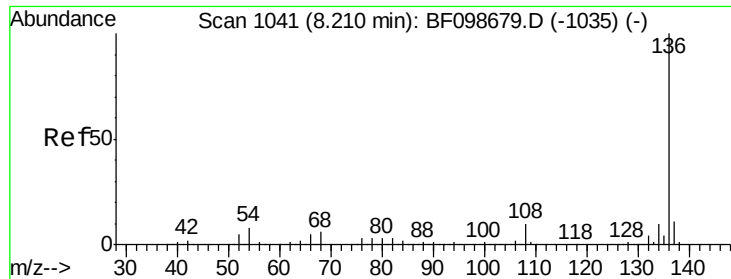
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

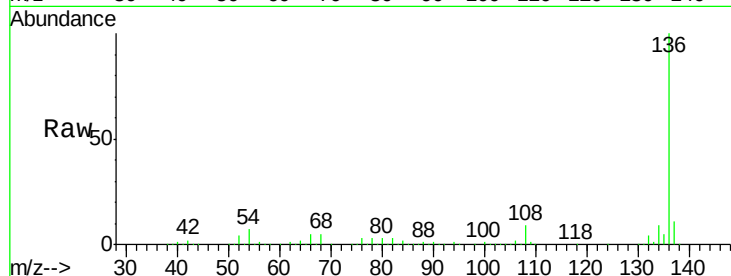




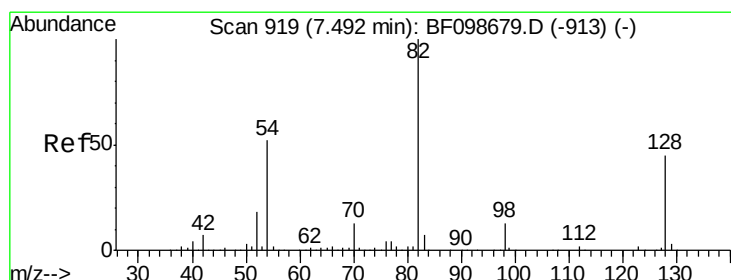
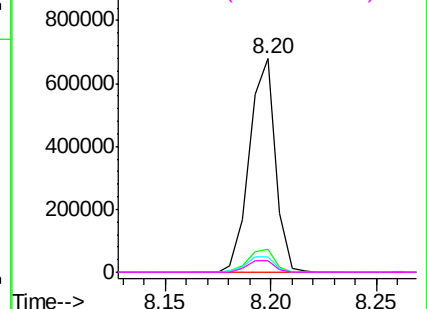
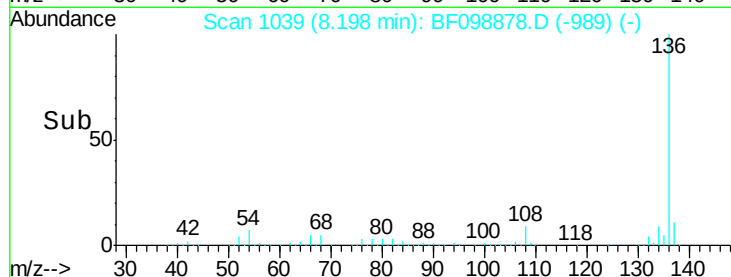
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098878.D
Acq: 27 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleID :

Tot Ion:136	Resp:	578428
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	7.3	6.6 9.8
68	5.5	5.0 7.4

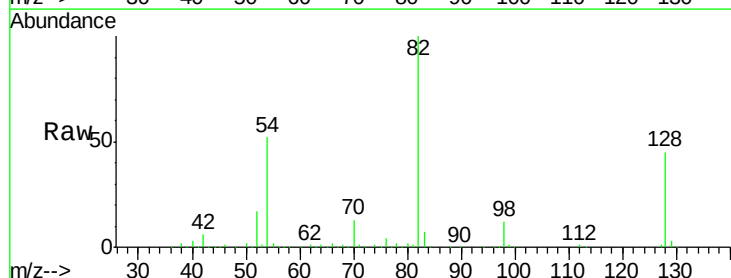


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

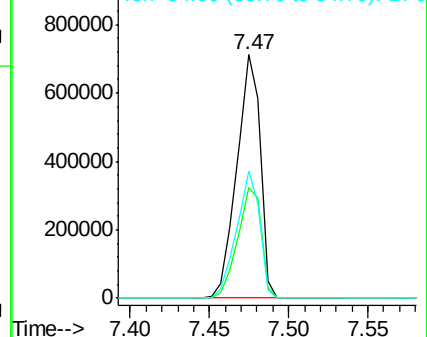
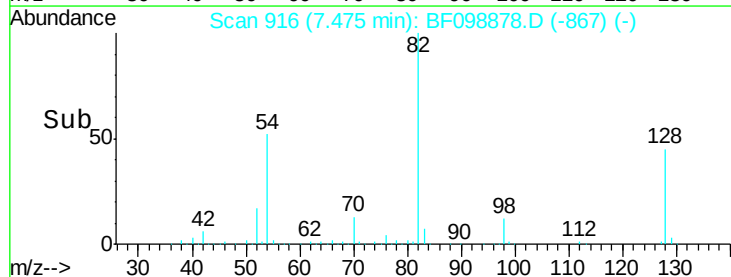


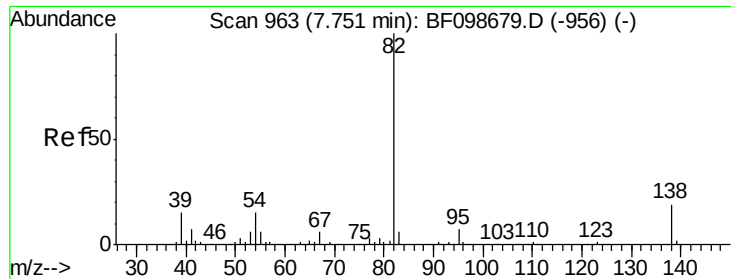
#23
Nitrobenzene-d5
Concen: 80.63 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098878.D
Acq: 27 Sep 2017 22:28

Tgt Ion: 82	Resp:	727210
Ion	Ratio	Lower Upper
82	100	
128	45.2	36.1 54.1
54	52.0	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: 38.94 ng

RT: 7.47 min Scan# 916

Delta R.T. -0.27 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Instrument :

BNA_F

ClientSampled :

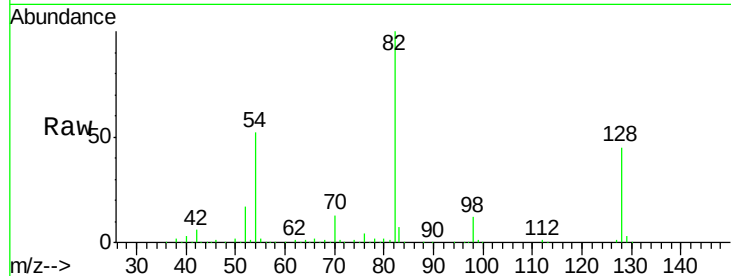
Tot Ion: 82 Resp: 726064

Ion Ratio Lower Upper

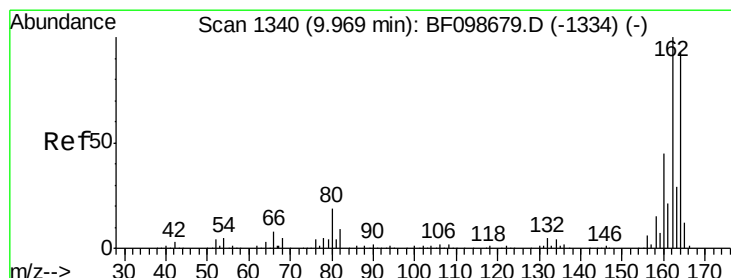
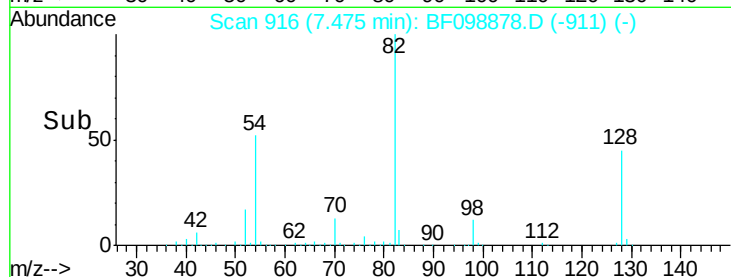
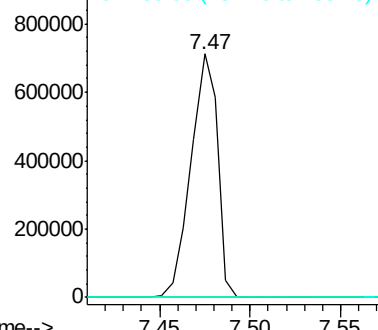
82 100

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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

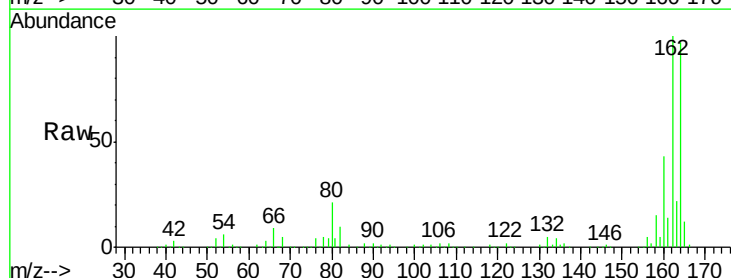
Tgt Ion: 164 Resp: 244069

Ion Ratio Lower Upper

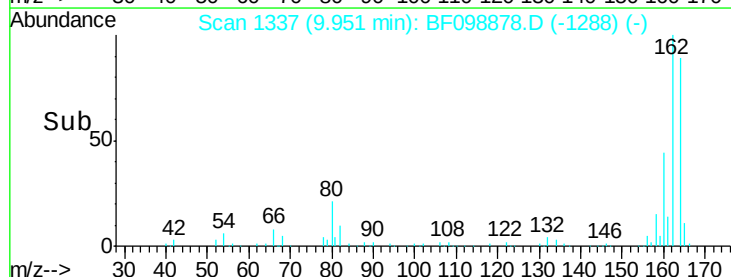
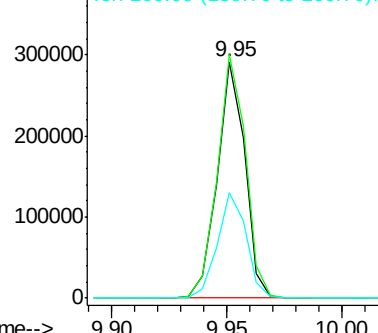
164 100

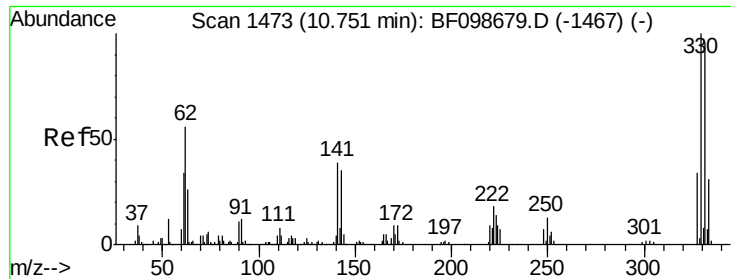
162 103.1 86.1 129.1

160 44.7 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: 100.80 ng

RT: 10.74 min Scan# 1471

Delta R.T. -0.01 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

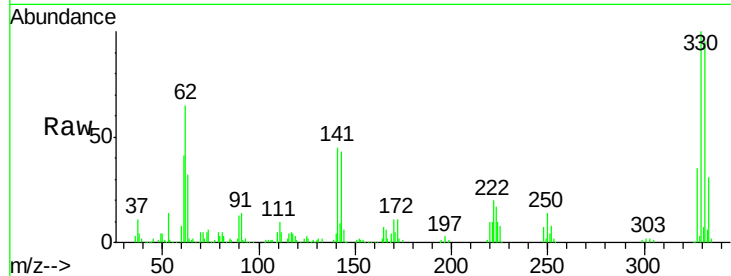
Tot Ion:330 Resp: 201318

Ion Ratio Lower Upper

330 100

332 94.4 77.0 115.6

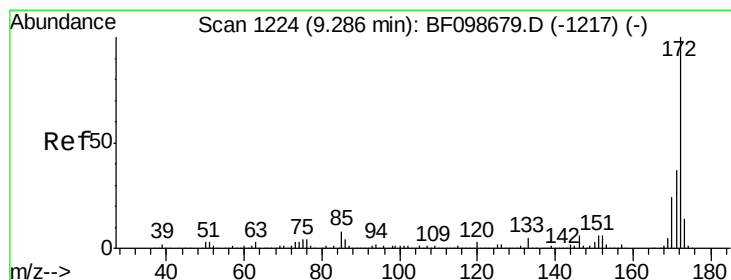
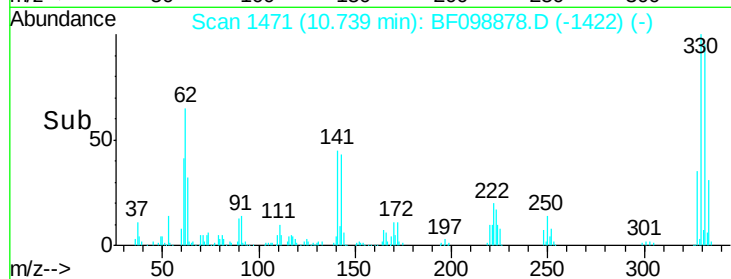
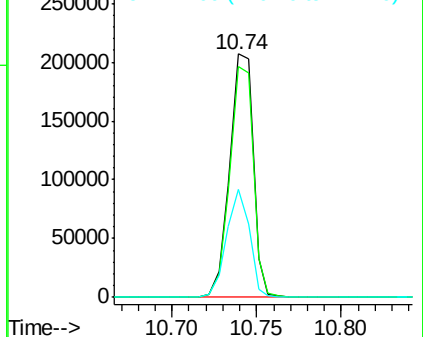
141 43.3 29.9 44.9



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: 80.14 ng

RT: 9.27 min Scan# 1221

Delta R.T. -0.01 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

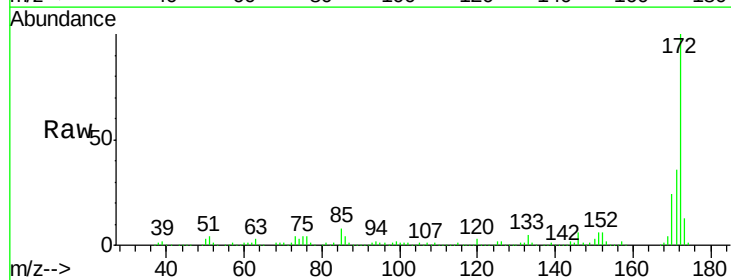
Tgt Ion:172 Resp: 1171652

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

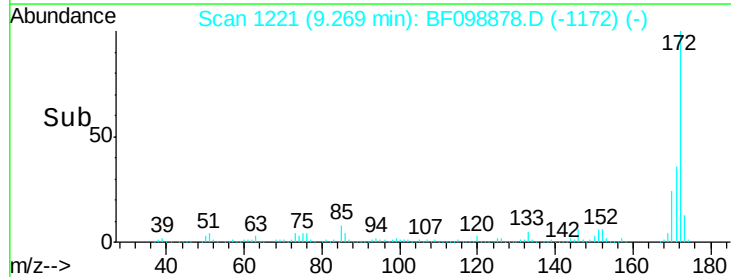
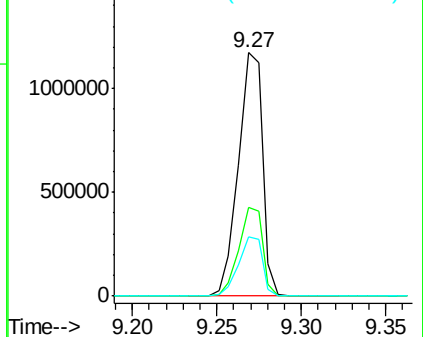
170 24.3 19.6 29.4

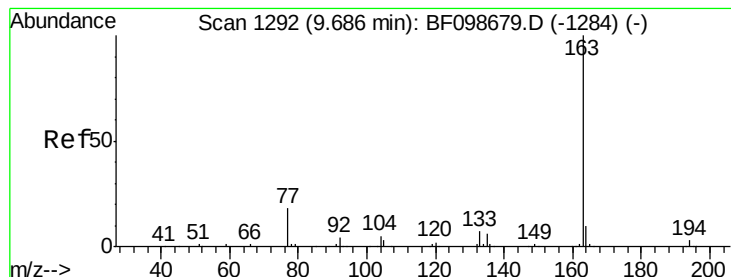


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.78 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

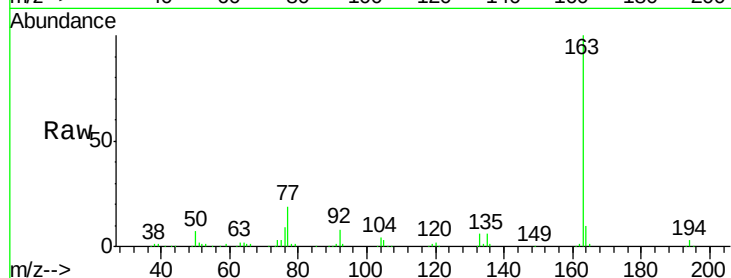
Tot Ion:163 Resp: 216937

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

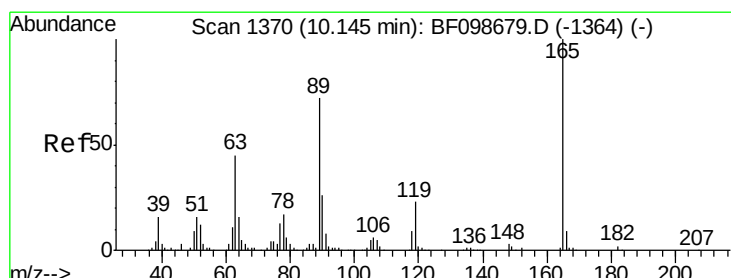
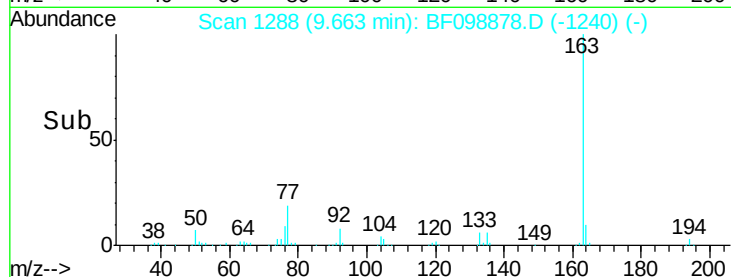
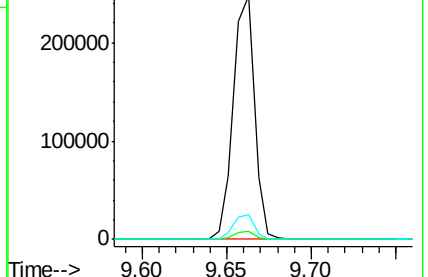
164 10.1 8.2 12.2



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: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Tgt Ion:165 Resp: 30296

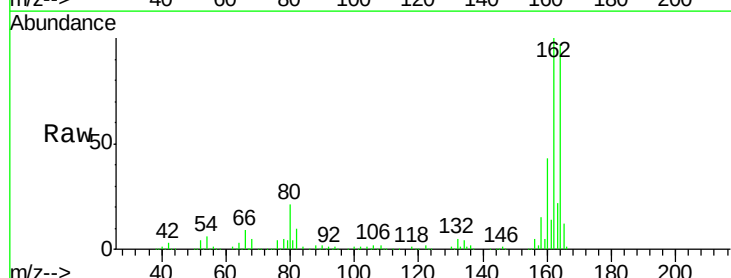
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 2.2 57.8 86.6#

182 0.0 1.6 2.4#

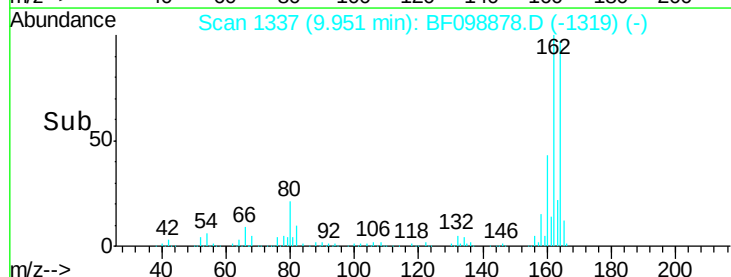
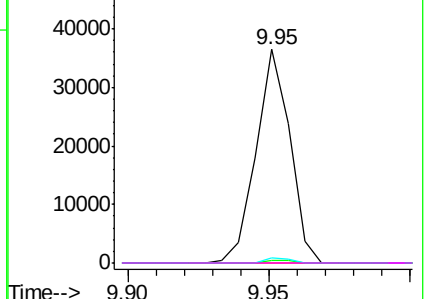


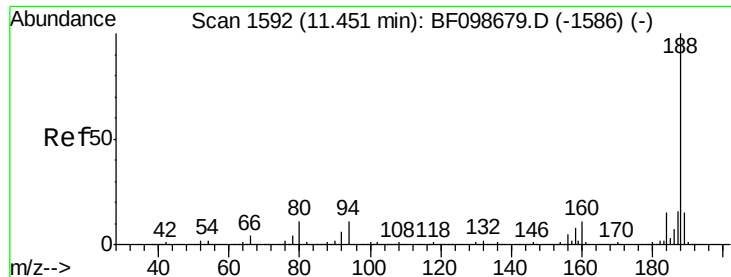
Abundance Ion 165.00 (164.70 to 165.70): E

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

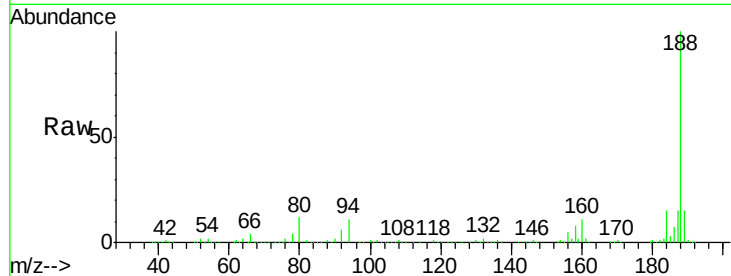




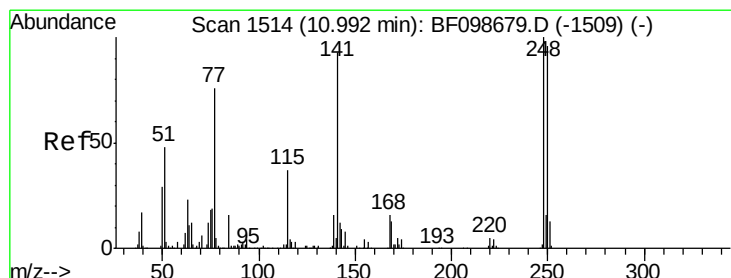
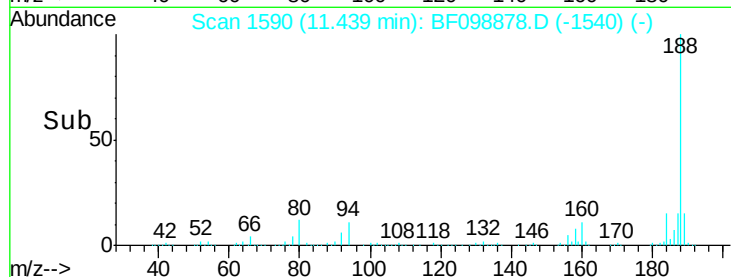
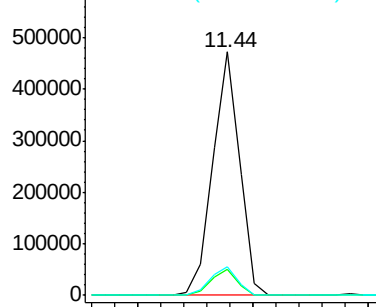
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098878.D
Acq: 27 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 384103
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.6 9.2 13.8

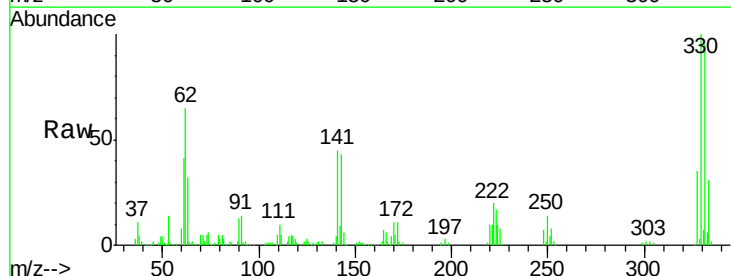


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

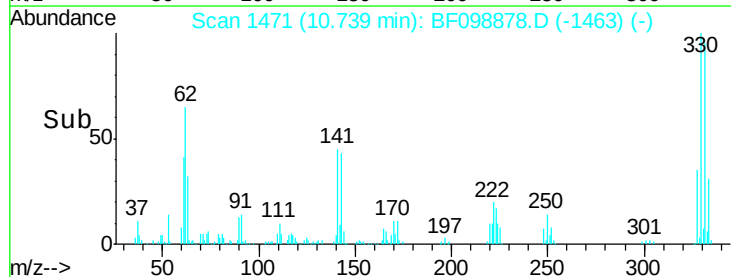
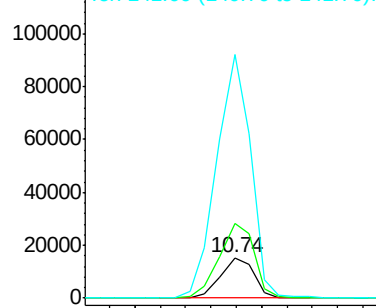


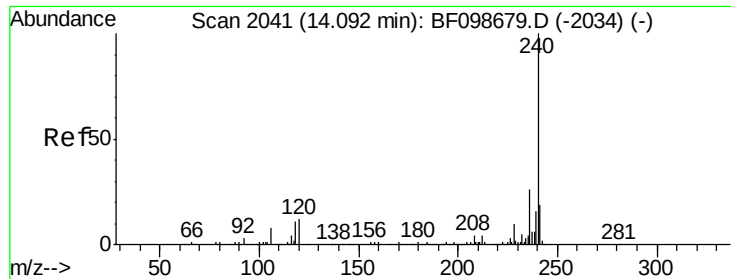
#66
4-Bromophenyl-phenylether
Concen: 3.75 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098878.D
Acq: 27 Sep 2017 22:28

Tgt Ion:248 Resp: 14103
Ion Ratio Lower Upper
248 100
250 183.4 76.9 115.3#
141 601.8 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: 20.00 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

Instrument :

BNA_F

ClientSampleId :

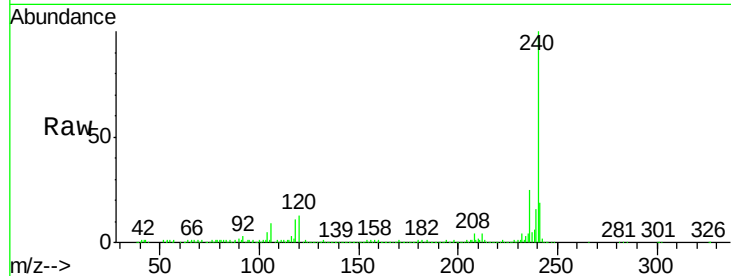
Tot Ion:240 Resp: 313120

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

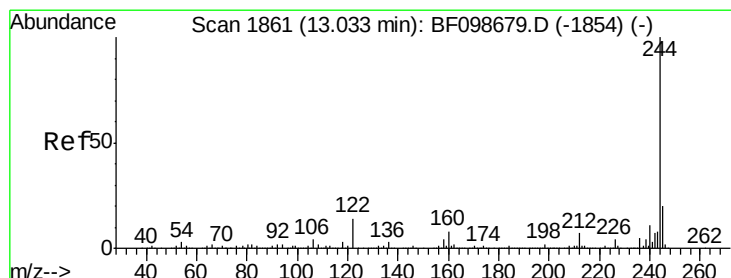
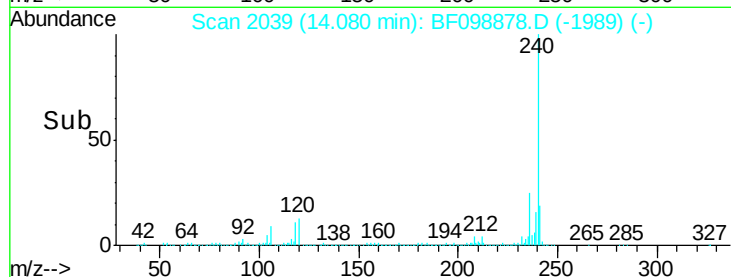
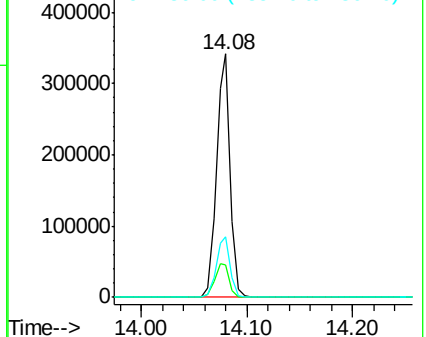
236 25.0 20.7 31.1



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: 65.09 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098878.D

Acq: 27 Sep 2017 22:28

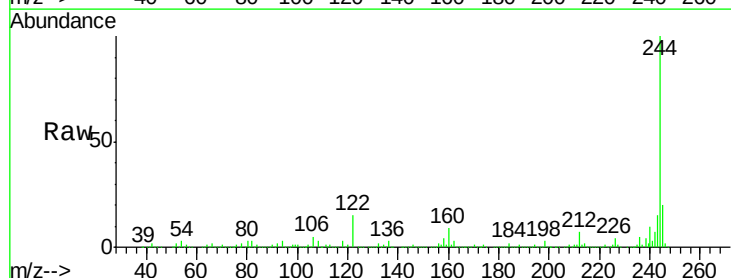
Tgt Ion:244 Resp: 896234

Ion Ratio Lower Upper

244 100

212 7.5 5.4 8.0

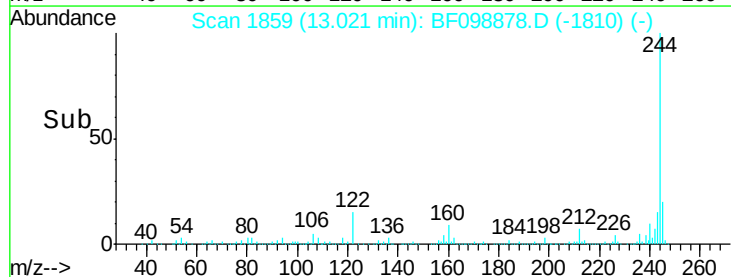
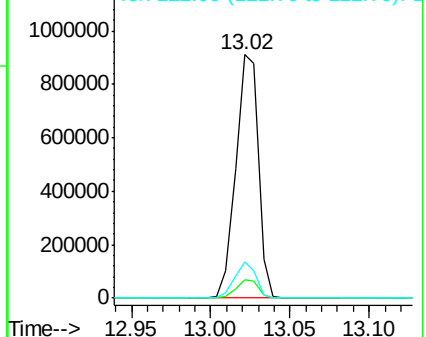
122 15.0 11.0 16.4

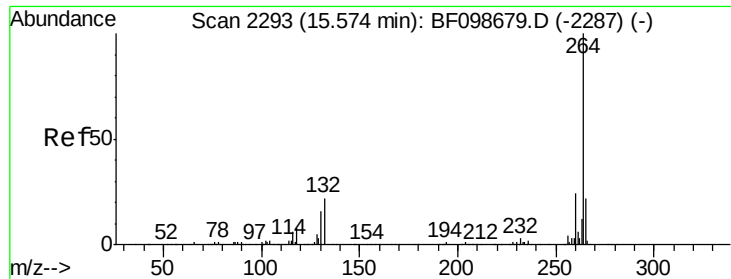


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

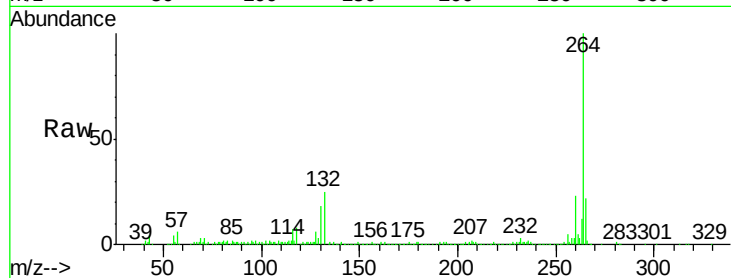




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098878.D
Acq: 27 Sep 2017 22:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 264 Resp: 249949
Ion Ratio Lower Upper
264 100
260 22.9 19.2 28.8
265 21.9 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

