

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091217\
 Data File : BF098458.D
 Acq On : 12 Sep 2017 18:55
 Operator : SJ/JU
 Sample : I5171-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Quant Time: Sep 13 00:58:59 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	212212	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	874296	20.00	ng	0.00
38) Acenaphthene-d10	9.69	164	375132	20.00	ng	-0.01
63) Phenanthrene-d10	11.17	188	587706	20.00	ng	-0.01
75) Chrysene-d12	13.81	240	415203	20.00	ng	0.00
86) Perylene-d12	15.20	264	357462	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1553411	108.23	ng	0.00
7) Phenol-d6	6.32	99	1895030	103.99	ng	0.00
23) Nitrobenzene-d5	7.23	82	1154464	73.61	ng	0.00
41) 2,4,6-Tribromophenol	10.49	330	273745	109.34	ng	0.00
44) 2-Fluorobiphenyl	9.02	172	1709635	77.24	ng	-0.01
78) Terphenyl-d14	12.76	244	1127553	58.62	ng	-0.01

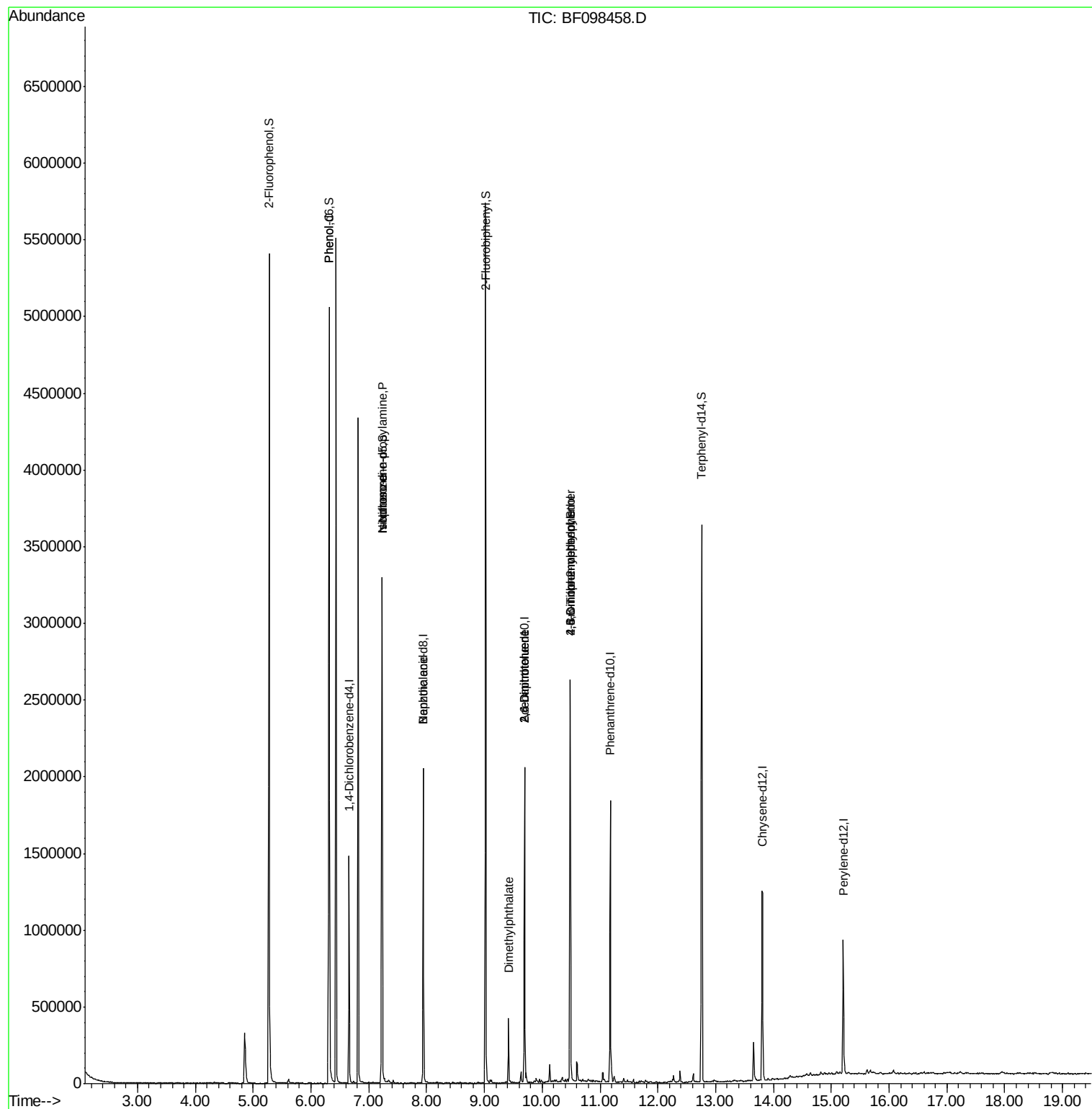
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.32	94	64412	3.043	ng	# 59
19) n-Nitroso-di-n-propylamine	7.23	70	155157	13.536	ng	# 80
25) Isophorone	7.23	82	1131413	35.658	ng	# 67
32) Benzoic acid	7.95	122	240	7.991	ng	# 1
49) Dimethylphthalate	9.42	163	151570	5.220	ng	99
50) 2,6-Dinitrotoluene	9.69	165	46877	7.859	ng	# 34
56) 2,4-Dinitrotoluene	9.69	165	46877	6.464	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.49	198	903	5.189	ng	# 1
66) 4-Bromophenyl-phenylether	10.49	248	20746	3.719	ng	# 1

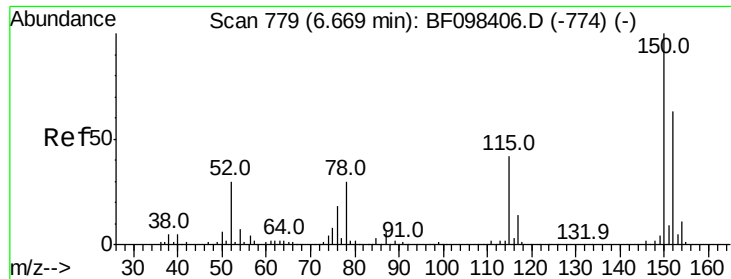
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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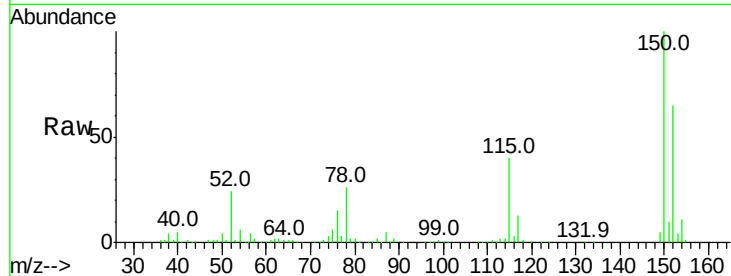


#1

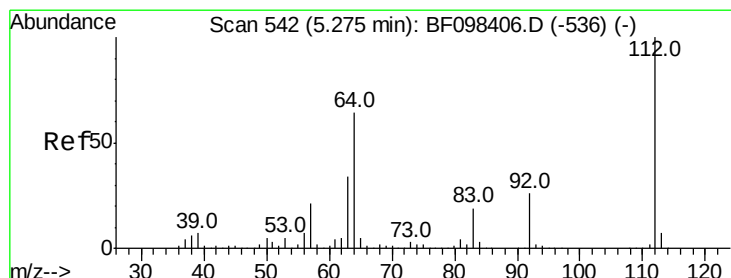
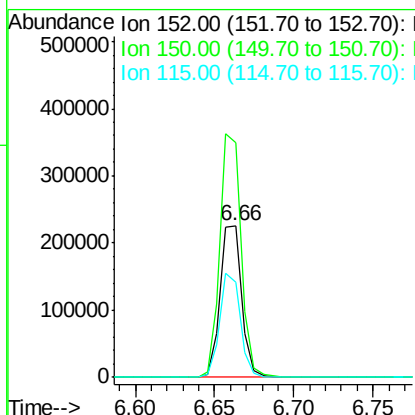
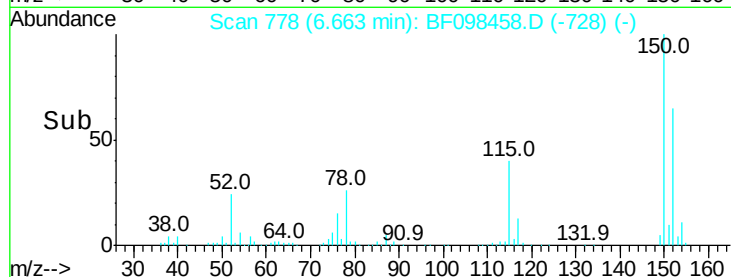
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Tot Ion:152 Resp: 212212
 Ion Ratio Lower Upper
 152 100
 150 154.8 126.2 189.2
 115 62.5 52.2 78.2



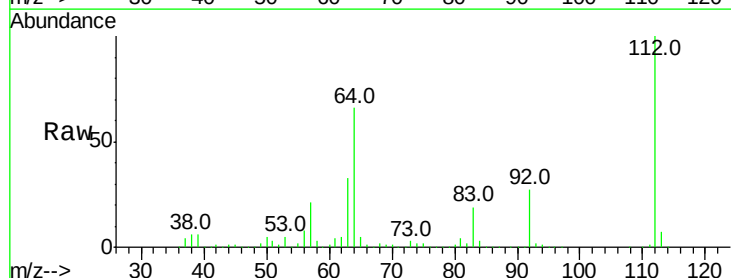
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



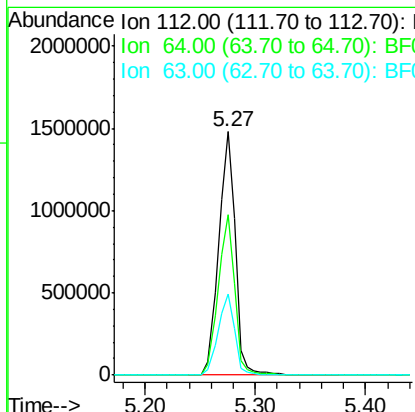
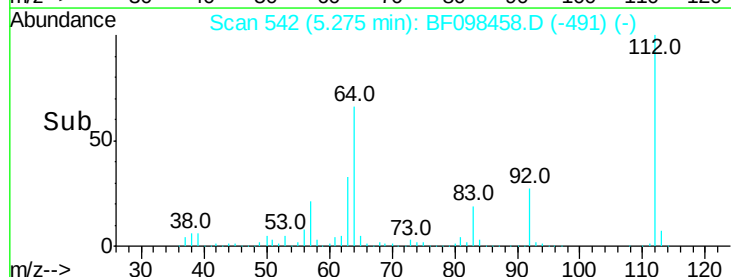
#5

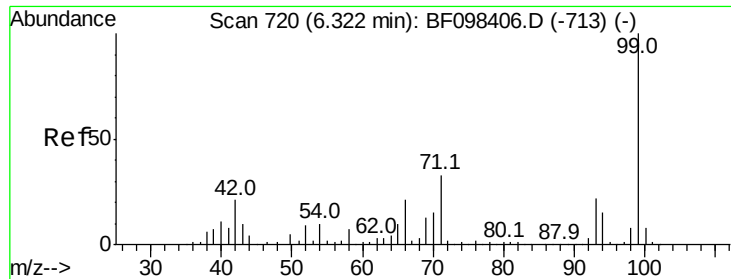
2-Fluorophenol
 Concen: 108.229 ng
 RT: 5.27 min Scan# 542
 Delta R.T. 0.00 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Tgt Ion:112 Resp: 1553411
 Ion Ratio Lower Upper
 112 100
 64 65.6 46.0 69.0
 63 33.3 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: 103.989 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098458.D

Acq: 12 Sep 2017 18:55

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

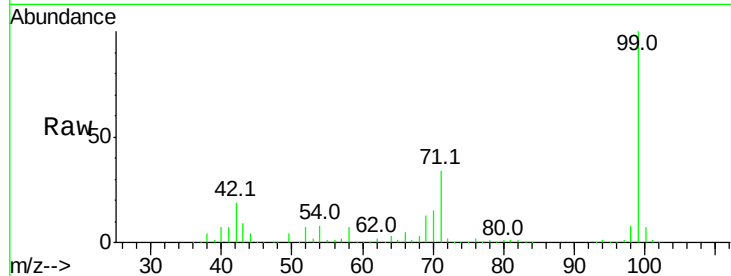
Tot Ion: 99 Resp: 1895030

Ion	Ratio	Lower	Upper
99	100		
42	18.8	13.5	20.3
71	33.6	24.5	36.7

99 100

42 18.8 13.5 20.3

71 33.6 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

2000000

1500000

1000000

500000

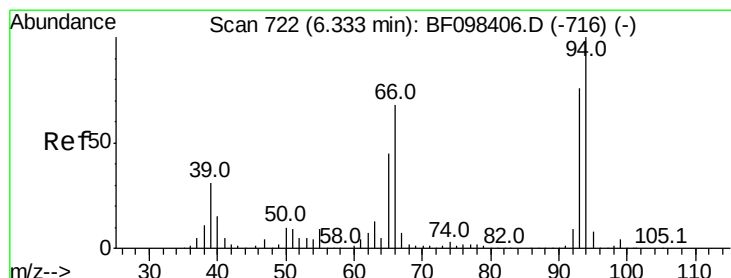
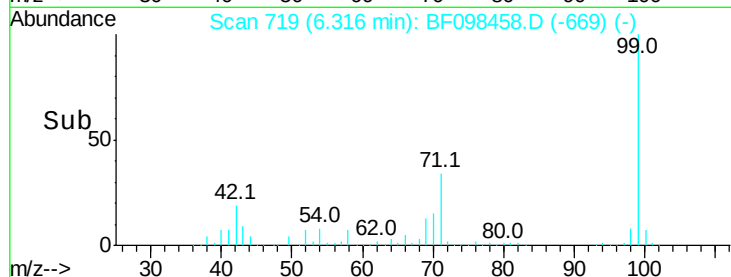
0

6.32

6.30

6.40

Time-->



#10

Phenol

Concen: 3.043 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF098458.D

Acq: 12 Sep 2017 18:55

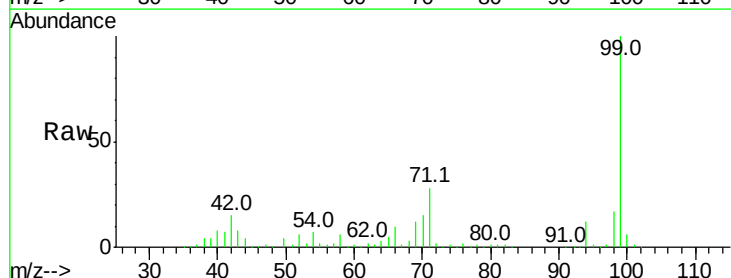
Tgt Ion: 94 Resp: 64412

Ion	Ratio	Lower	Upper
94	100		
65	41.3	9.9	49.9
66	78.8	23.1	63.1

94 100

65 41.3 9.9 49.9

66 78.8 23.1 63.1#



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

400000

300000

200000

100000

0

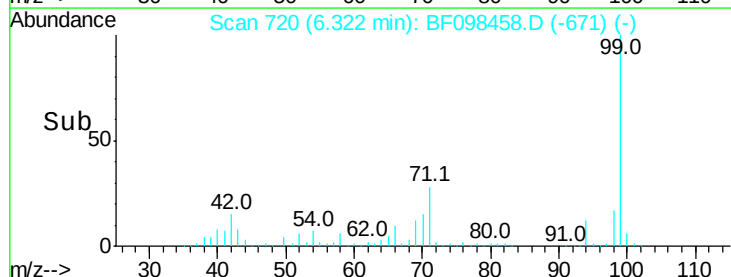
6.32

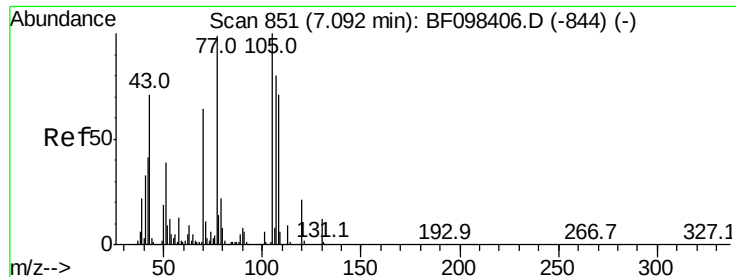
6.25

6.35

6.40

Time-->

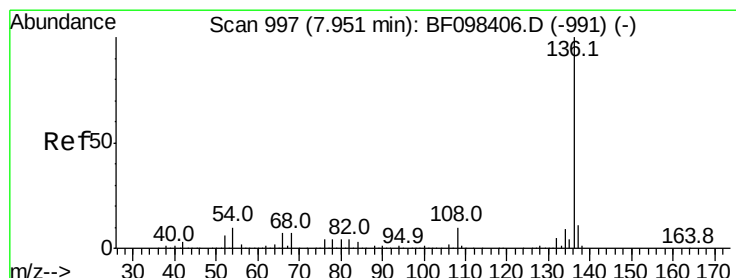
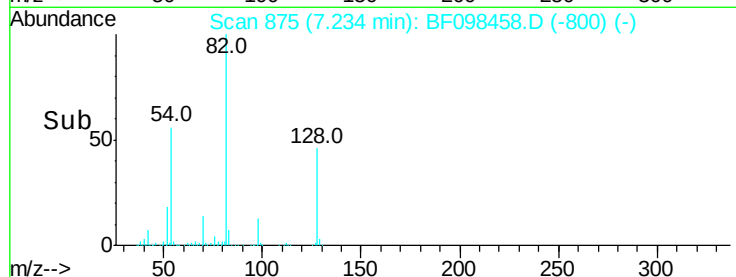
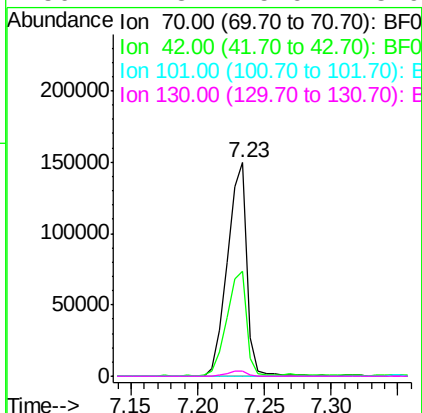
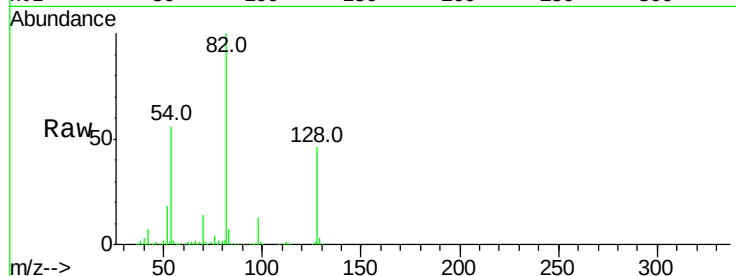




#19
n-Nitroso-di-n-propylamine
Concen: 13.536 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.14 min
Lab File: BF098458.D
Acq: 12 Sep 2017 18:55

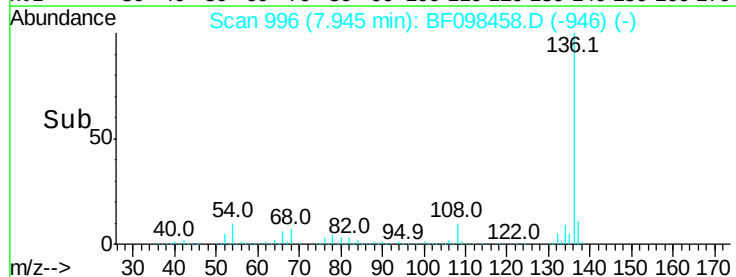
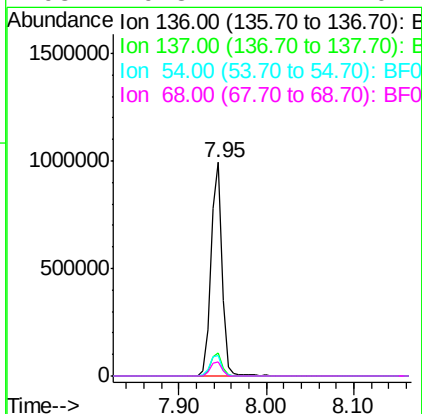
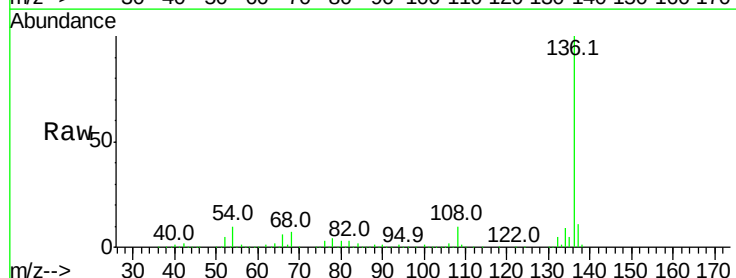
Instrument :
BNA_F
ClientSampleId :
RT-2342-2669-3025-3091-3873

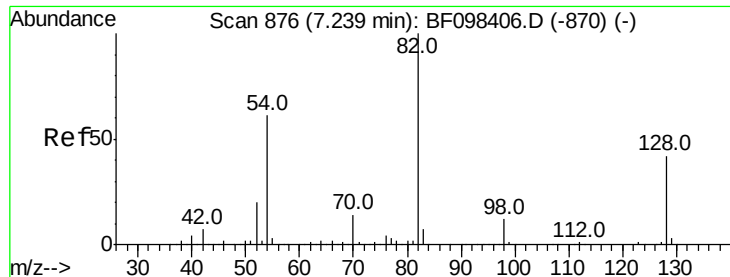
Tot Ion: 70 Resp: 155157
Ion Ratio Lower Upper
70 100
42 49.3 47.2 70.8
101 0.0 7.2 10.8#
130 2.3 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF098458.D
Acq: 12 Sep 2017 18:55

Tgt Ion:136 Resp: 874296
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 9.7 4.9 7.3#
68 6.8 4.1 6.1#

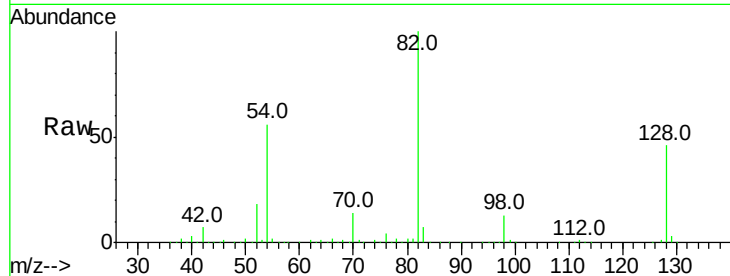




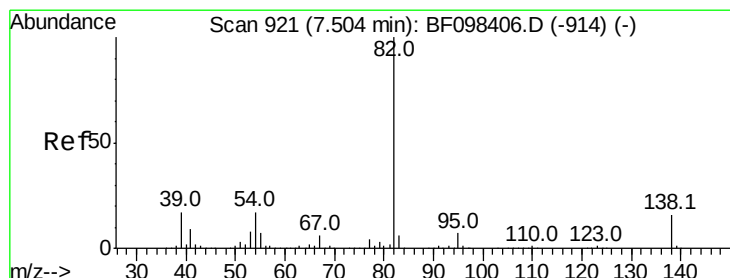
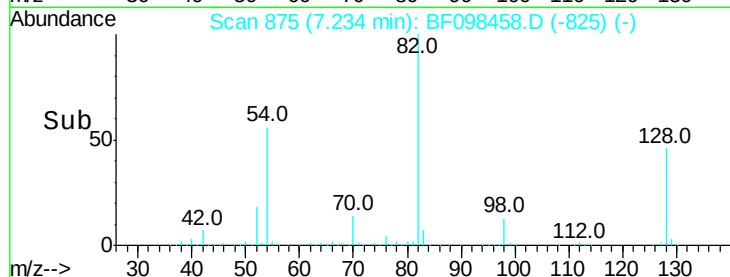
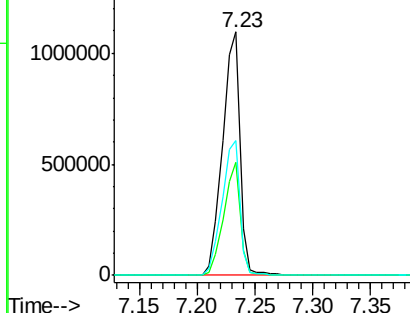
#23
 Nitrobenzene-d5
 Concen: 73.615 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.01 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Tot Ion: 82 Resp: 1154464
 Ion Ratio Lower Upper
 82 100
 128 46.3 34.0 51.0
 54 55.6 42.2 63.2

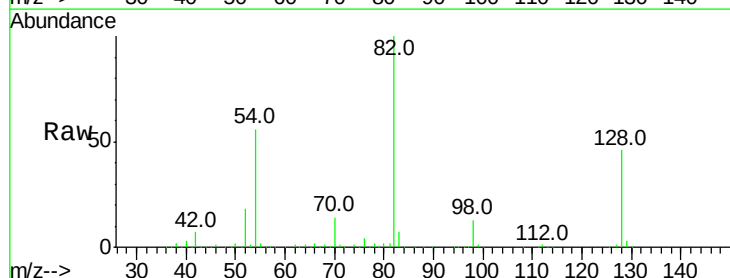


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

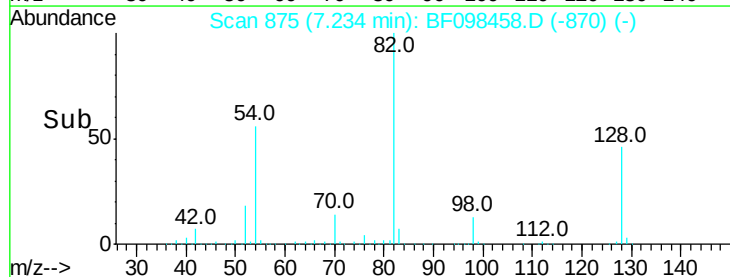
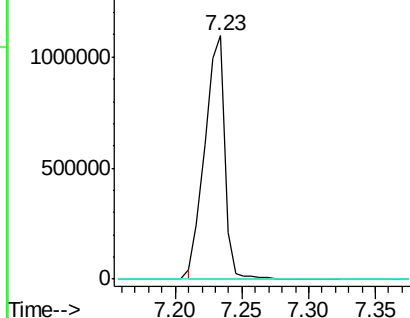


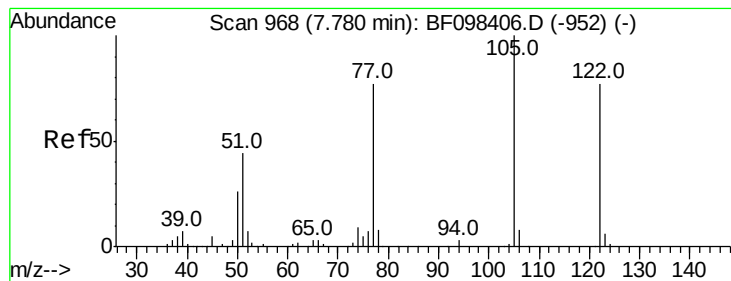
#25
 Isophorone
 Concen: 35.658 ng
 RT: 7.23 min Scan# 875
 Delta R.T. -0.27 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Tgt Ion: 82 Resp: 1131413
 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: 7.991 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.17 min

Lab File: BF098458.D

Acq: 12 Sep 2017 18:55

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

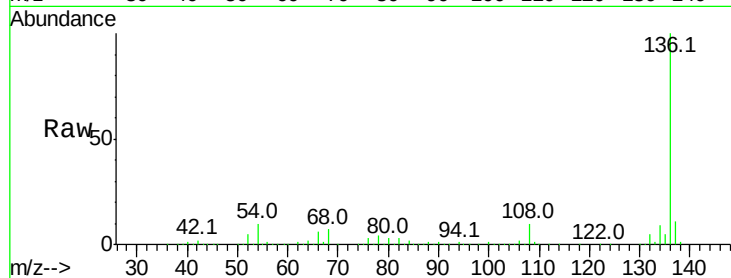
Tot Ion:122 Resp: 240

Ion Ratio Lower Upper

122 100

105 232.7 103.3 143.3#

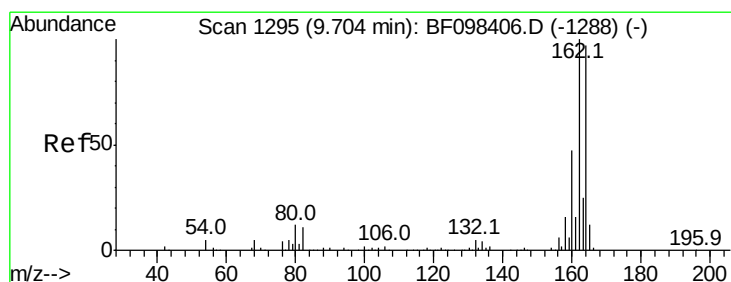
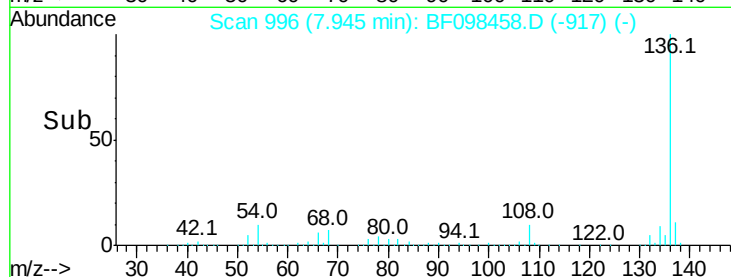
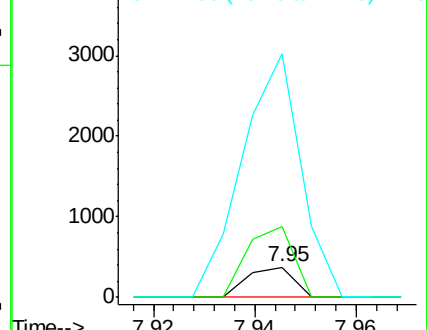
77 803.7 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF098458.D

Acq: 12 Sep 2017 18:55

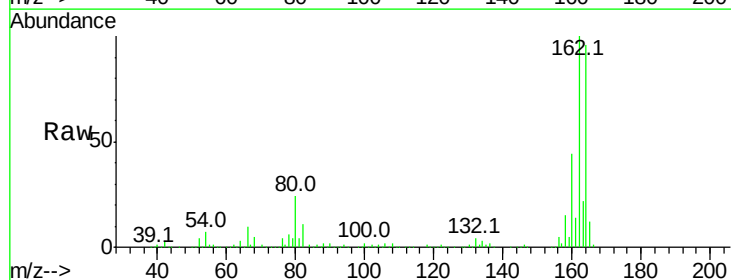
Tgt Ion:164 Resp: 375132

Ion Ratio Lower Upper

164 100

162 104.0 82.6 123.8

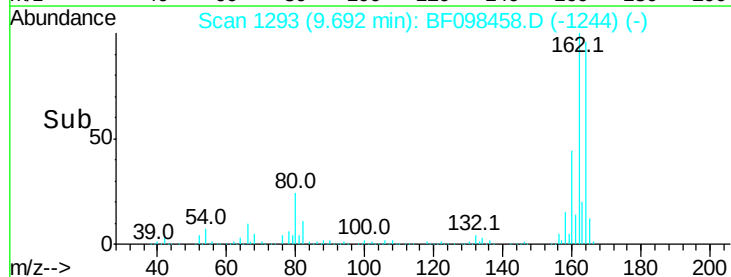
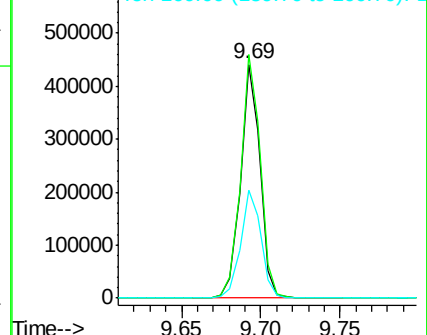
160 45.9 36.2 54.2

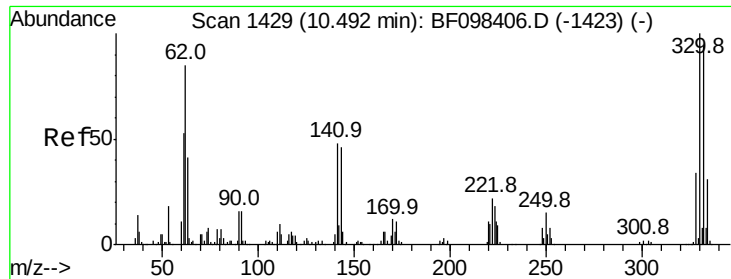


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

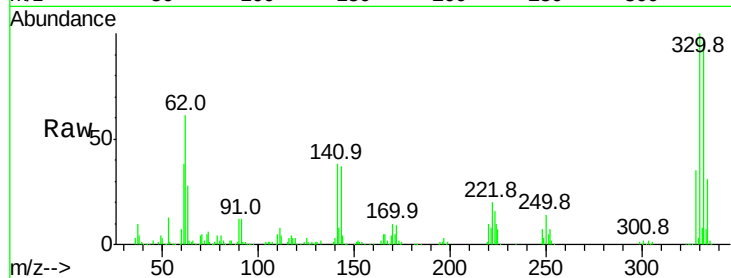




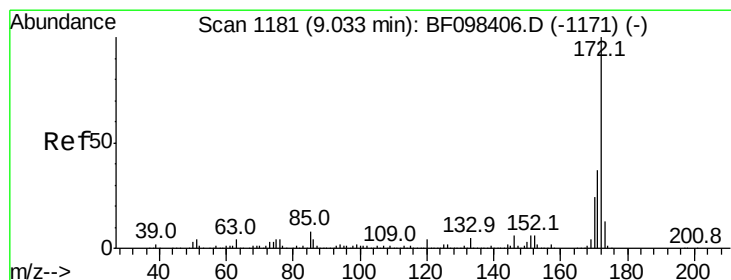
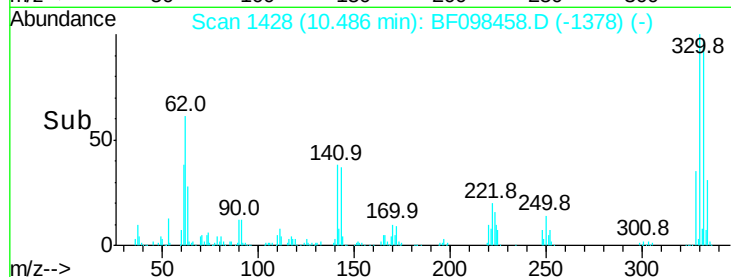
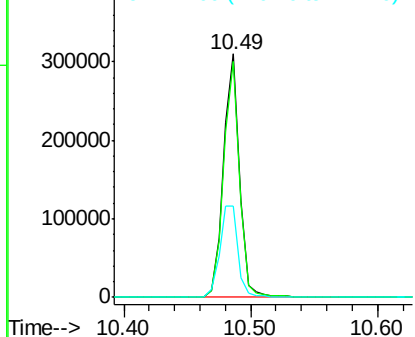
#41
 2,4,6-Tribromophenol
 Concen: 109.336 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.01 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Tot Ion:330 Resp: 273745
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 43.2 31.4 47.2

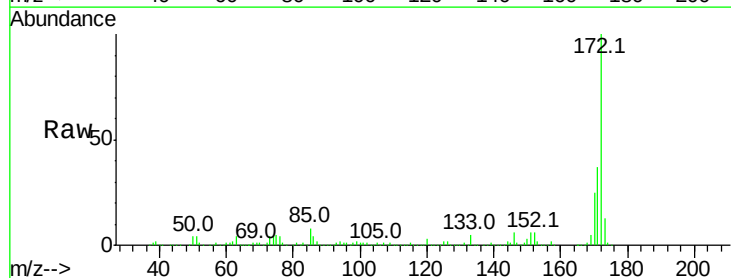


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

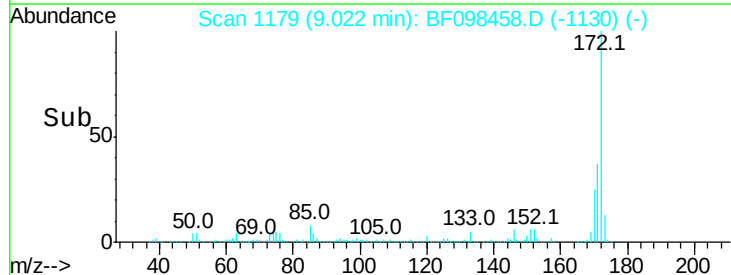
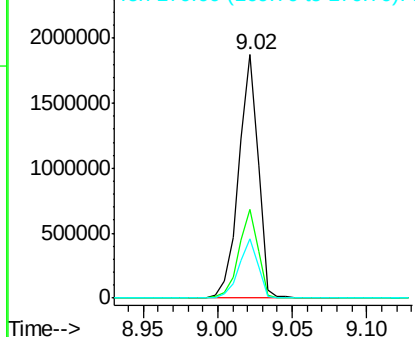


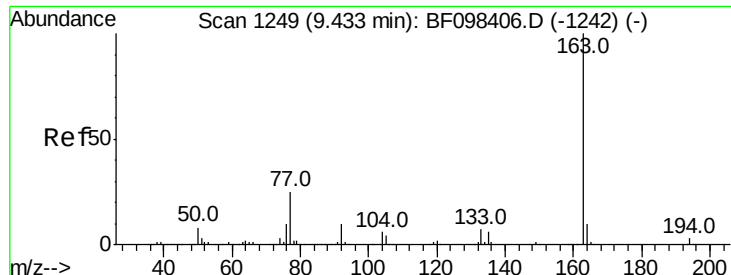
#44
 2-Fluorobiphenyl
 Concen: 77.245 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Tgt Ion:172 Resp: 1709635
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.6 44.4
 170 24.5 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

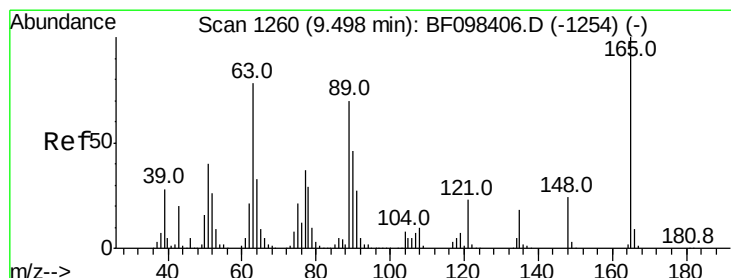
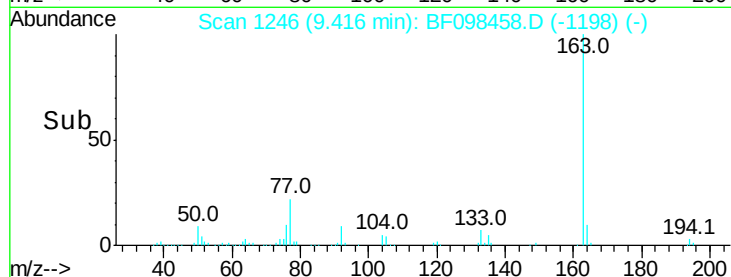
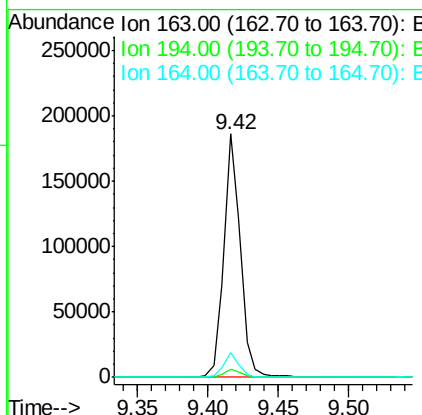
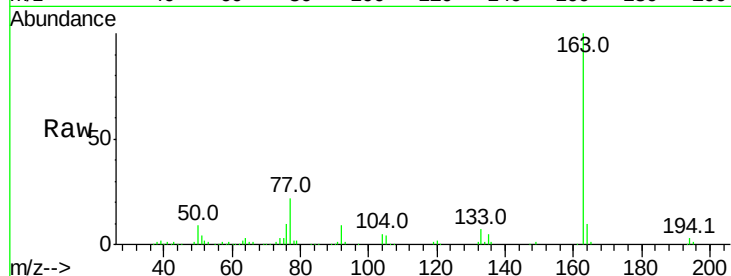




#49
 Dimethylphthalate
 Concen: 5.220 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

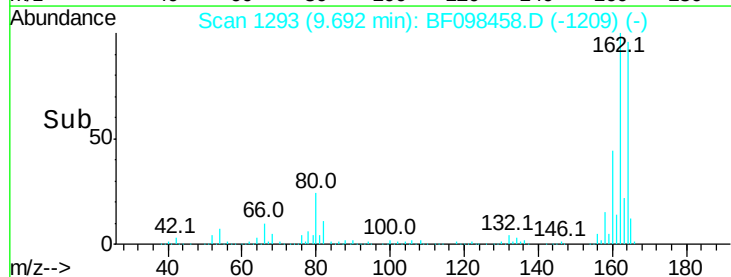
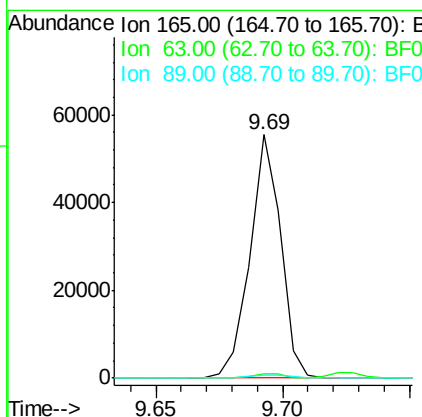
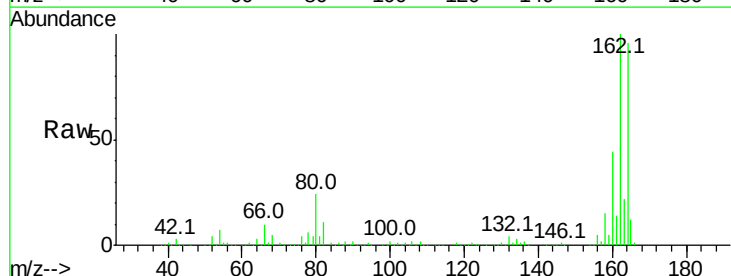
Instrument :
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 ClientSampleId :
 RT-2342-2669-3025-3091-3873

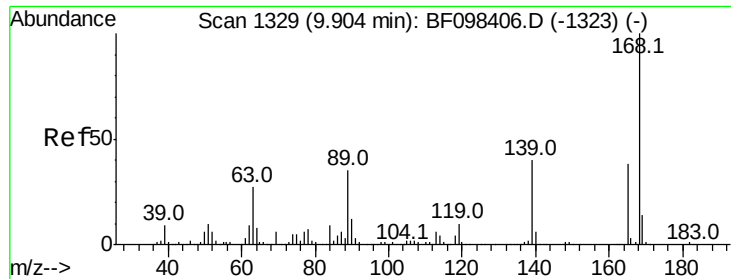
Tot Ion:	163	Resp:	151570
Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	10.3	8.4	12.6



#50
 2,6-Dinitrotoluene
 Concen: 7.859 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. 0.19 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Tgt Ion:	165	Resp:	46877
Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.5	37.1	55.7#

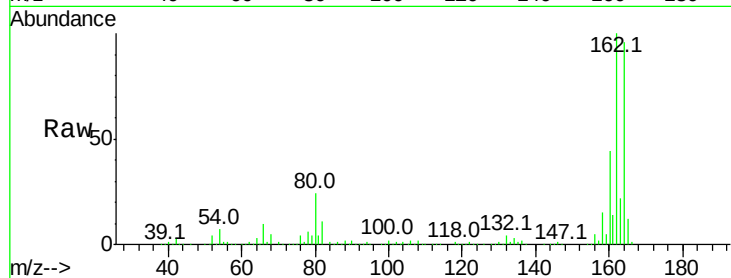




#56
 2,4-Dinitrotoluene
 Concen: 6.464 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.21 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

Tot Ion:	165	Resp:	46877
Ion	Ratio	Lower	Upper
165	100		
63	1.8	25.4	38.0#
89	1.5	46.4	69.6#
182	0.0	1.8	2.6#

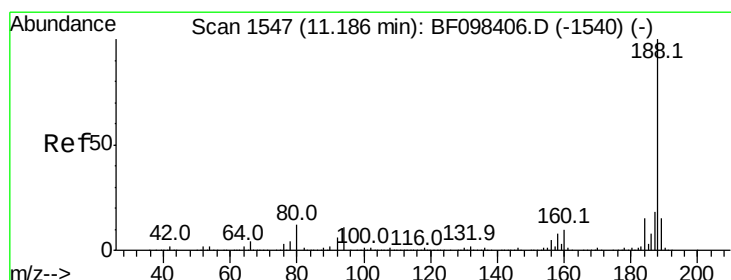
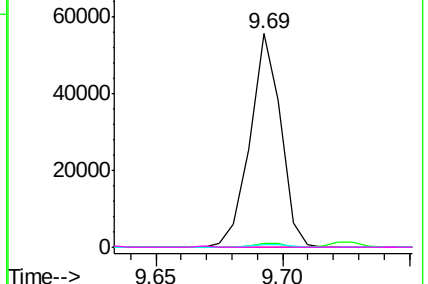
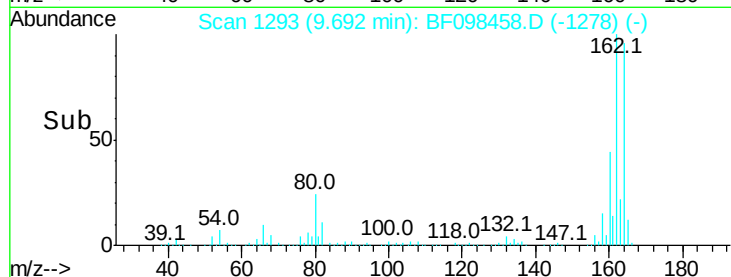


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

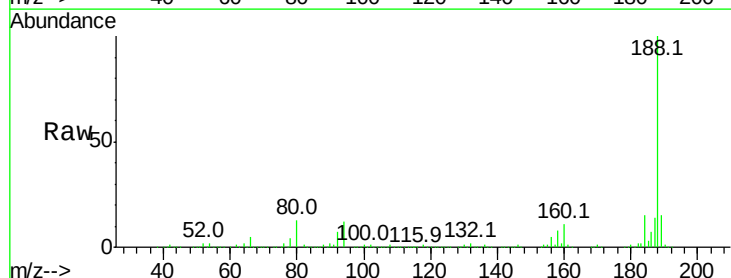
Ion 89.00 (88.70 to 89.70): BF0

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: BF098458.D
 Acq: 12 Sep 2017 18:55

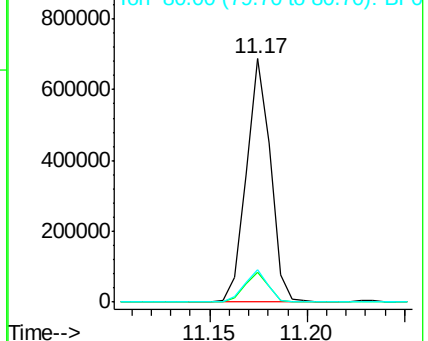
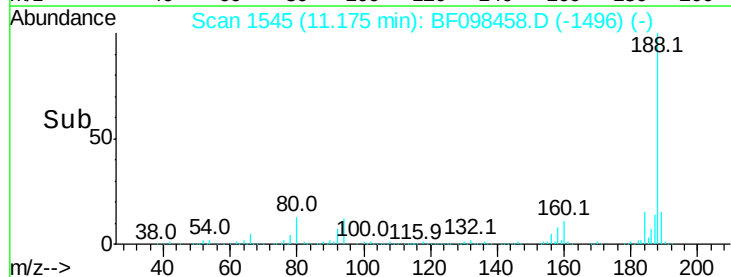
Tgt Ion:	188	Resp:	587706
Ion	Ratio	Lower	Upper
188	100		
94	12.1	9.4	14.2
80	13.5	10.2	15.2

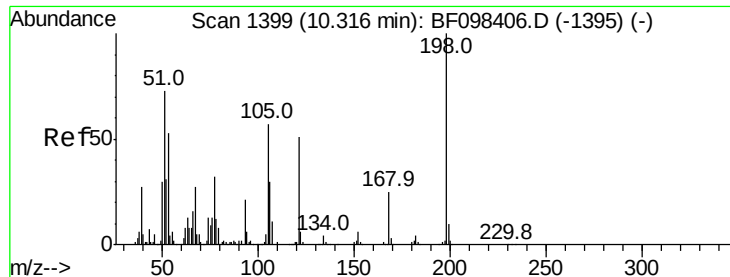


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

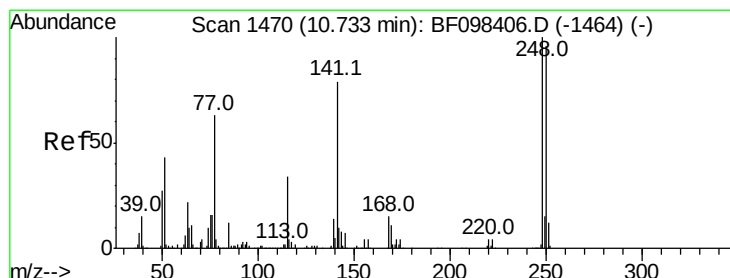
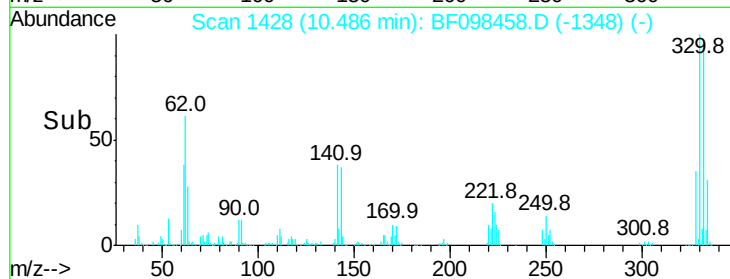
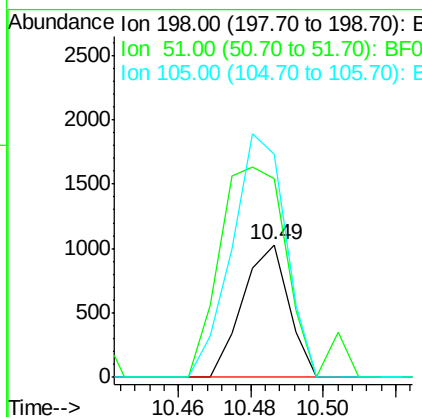
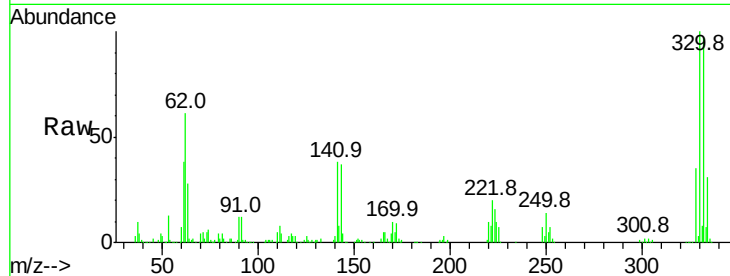




#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.189 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.17 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

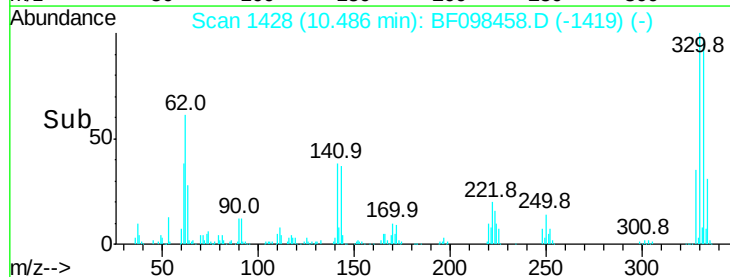
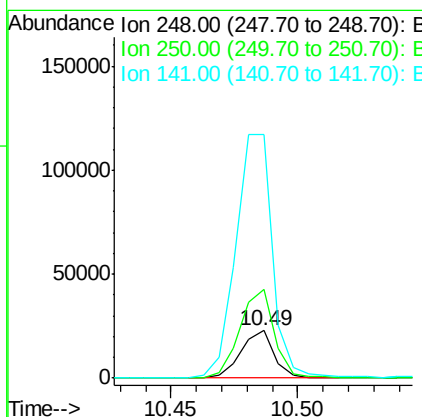
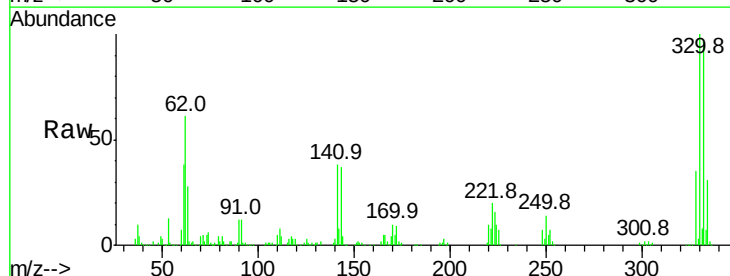
Instrument :
 BNA_F
 ClientSampleId :
 RT-2342-2669-3025-3091-3873

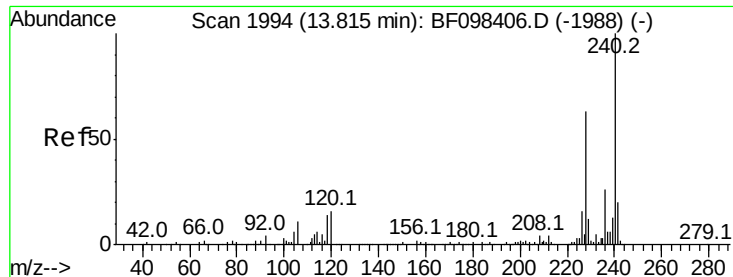
Tot Ion:198 Resp: 903
 Ion Ratio Lower Upper
 198 100
 51 150.1 53.2 93.2#
 105 169.1 45.8 85.8#



#66
 4-Bromophenyl-phenylether
 Concen: 3.719 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. -0.25 min
 Lab File: BF098458.D
 Acq: 12 Sep 2017 18:55

Tgt Ion:248 Resp: 20746
 Ion Ratio Lower Upper
 248 100
 250 185.7 76.8 115.2#
 141 512.1 68.6 103.0#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098458.D

Acq: 12 Sep 2017 18:55

Instrument :

BNA_F

ClientSampleId :

RT-2342-2669-3025-3091-3873

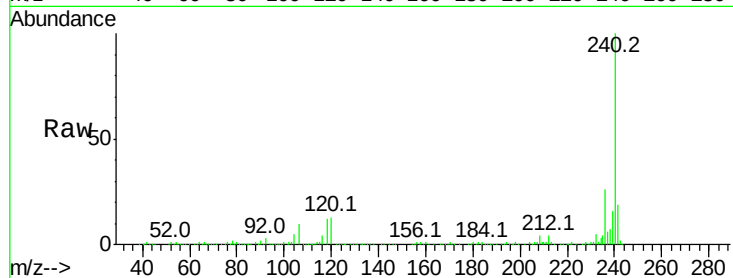
Tot Ion:240 Resp: 415203

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

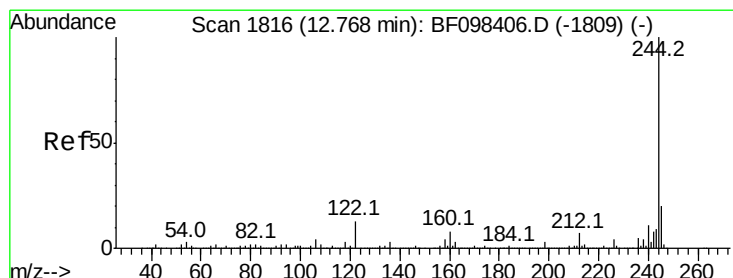
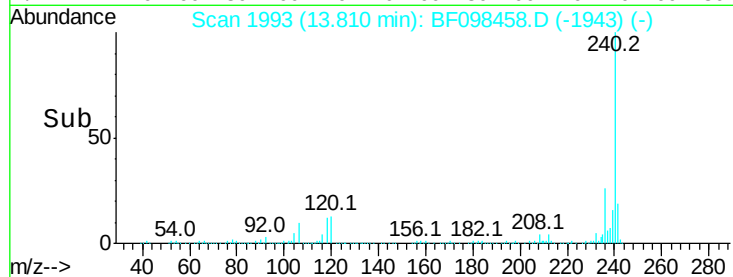
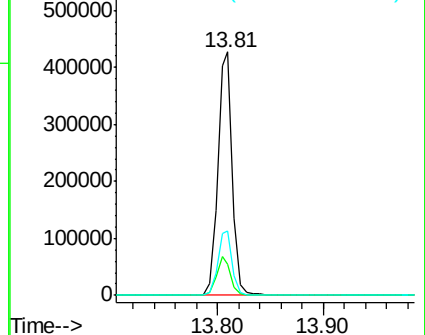
236 26.3 20.5 30.7



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: 58.617 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF098458.D

Acq: 12 Sep 2017 18:55

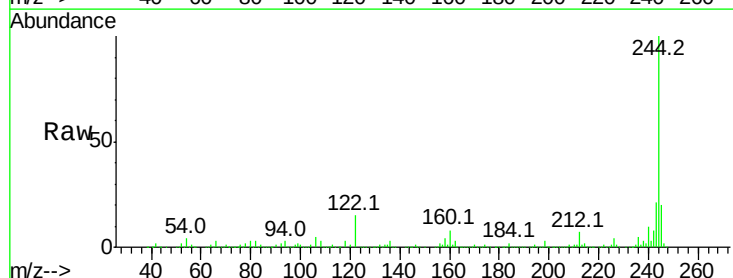
Tgt Ion:244 Resp: 1127553

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

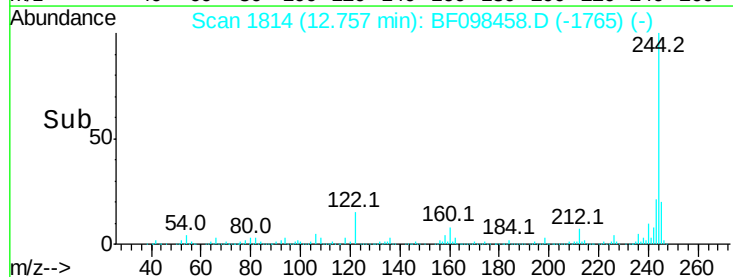
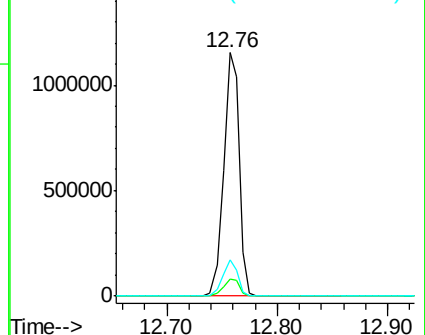
122 14.8 10.3 15.5

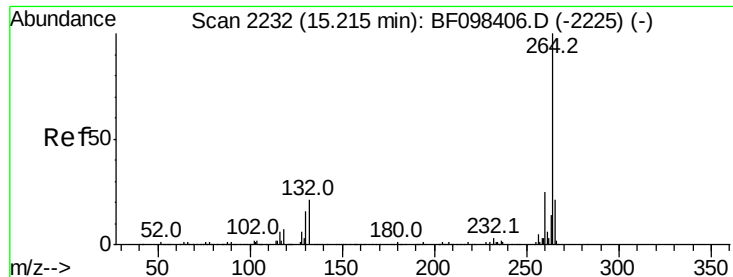


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098458.D
Acq: 12 Sep 2017 18:55

Instrument :
BNA_F
ClientSampleId :
RT-2342-2669-3025-3091-3873

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	20.9	17.2	25.8

