

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083117\
 Data File : BF098203.D
 Acq On : 31 Aug 2017 19:16
 Operator : SJ/JU
 Sample : PB101916BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 01:52:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

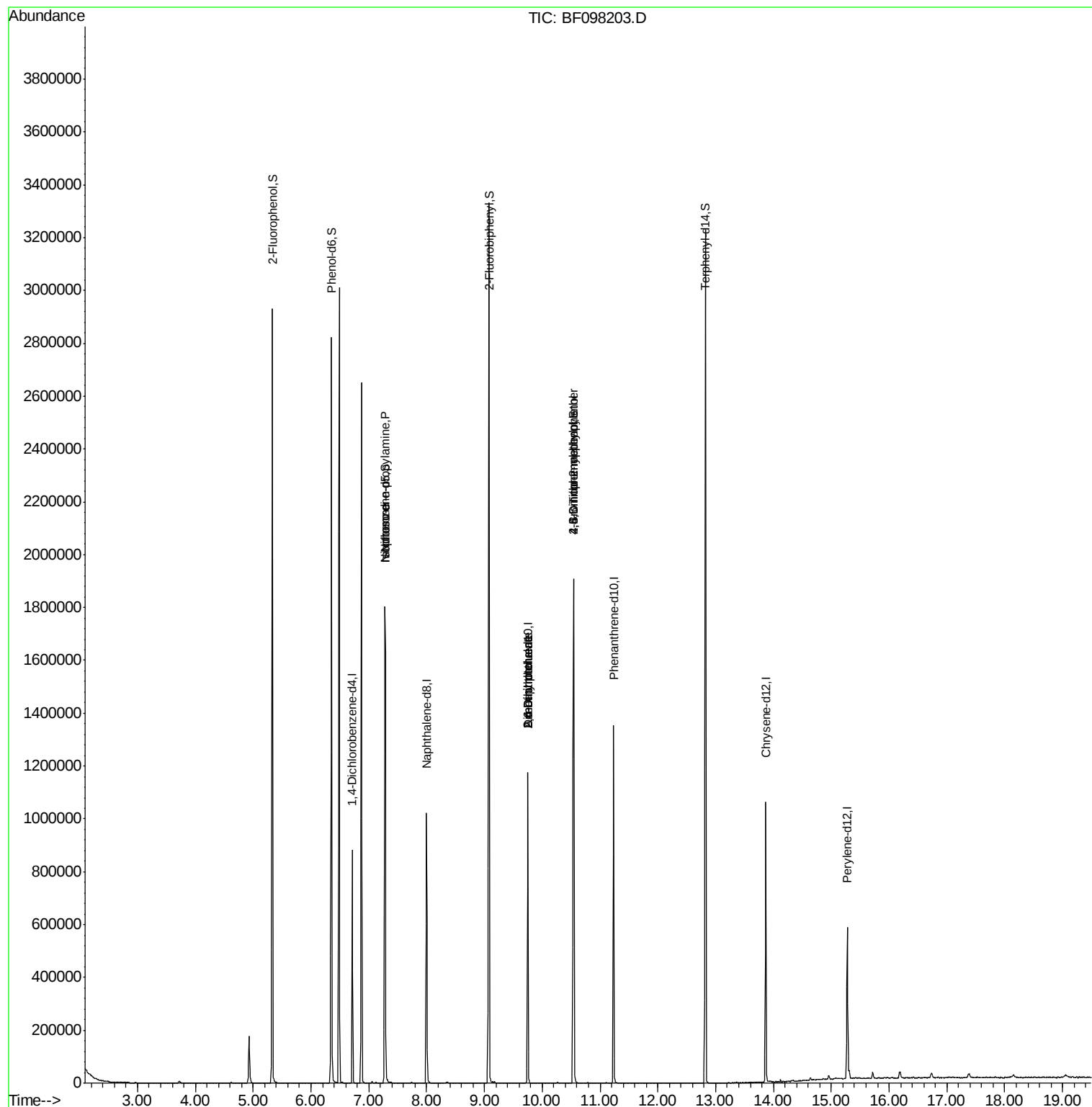
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	113342	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	461602	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	220140	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	453323	20.00	ng	-0.03
75) Chrysene-d12	13.86	240	367347	20.00	ng	-0.04
86) Perylene-d12	15.28	264	268573	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	933081	125.22	ng	-0.02
7) Phenol-d6	6.36	99	1261372	124.59	ng	-0.03
23) Nitrobenzene-d5	7.28	82	781153	91.93	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	275822	144.40	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1210774	80.81	ng	-0.03
78) Terphenyl-d14	12.82	244	1194964	67.84	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	104071	15.016	ng	# 71
25) Isophorone	7.28	82	746732	42.263	ng	# 67
49) Dimethylphthalate	9.75	163	58391	3.629	ng	# 1
50) 2,6-Dinitrotoluene	9.75	165	27168	8.458	ng	# 34
56) 2,4-Dinitrotoluene	9.75	165	27168	6.740	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.54	198	474	8.504	ng	# 1
66) 4-Bromophenyl-phenylether	10.54	248	17919	3.806	ng	# 1

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

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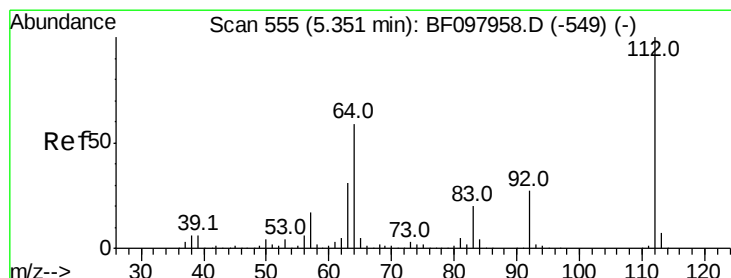
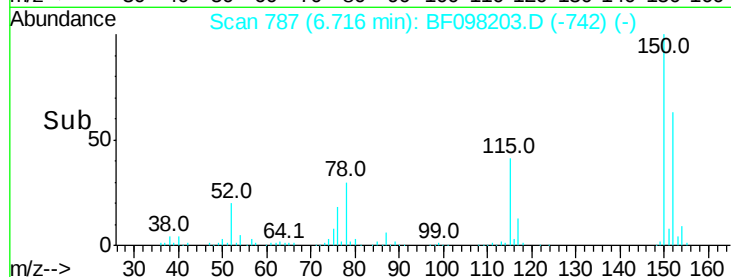
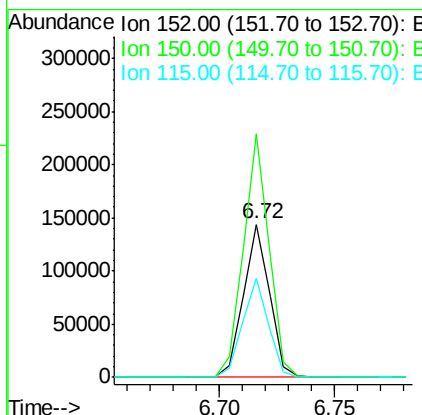
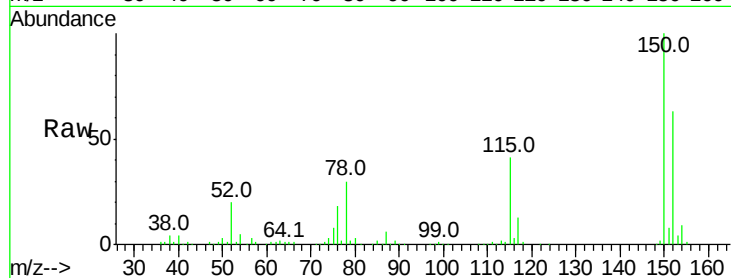


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

Instrument :
BNA_F
ClientSampleId :

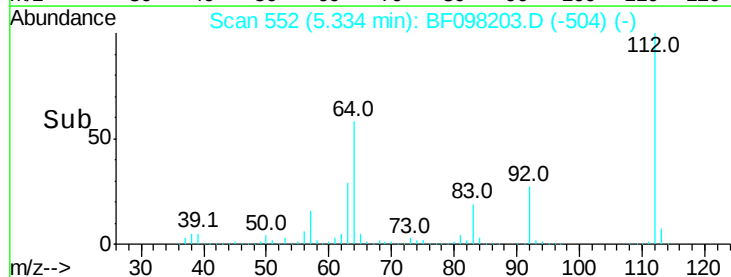
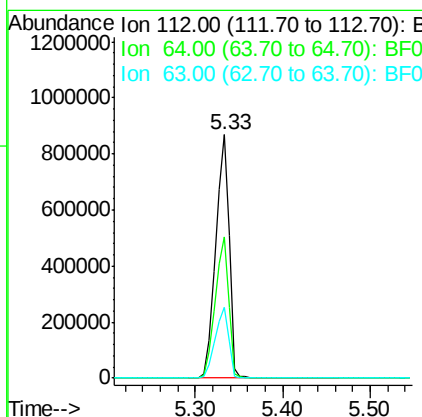
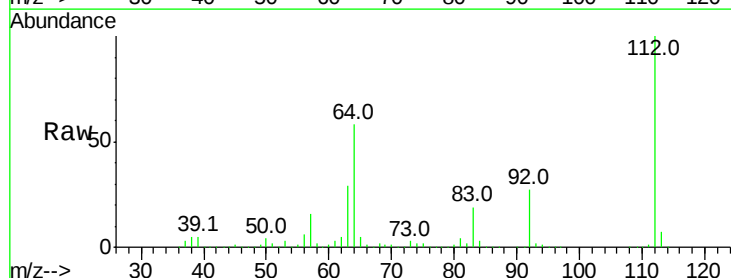
Tot Ion:152 Resp: 113342
Ion Ratio Lower Upper
152 100
150 158.8 126.2 189.2
115 64.4 52.2 78.2

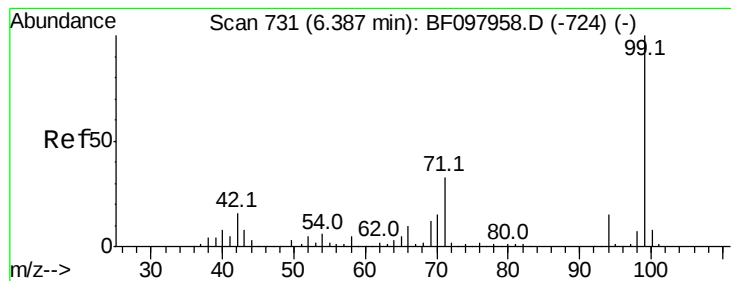


#5

2-Fluorophenol
Concen: 125.221 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

Tgt Ion:112 Resp: 933081
Ion Ratio Lower Upper
112 100
64 58.1 46.0 69.0
63 29.0 23.4 35.0





#7

Phenol-d6

Concen: 124.588 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098203.D

Acq: 31 Aug 2017 19:16

Instrument :

BNA_F

ClientSampled :

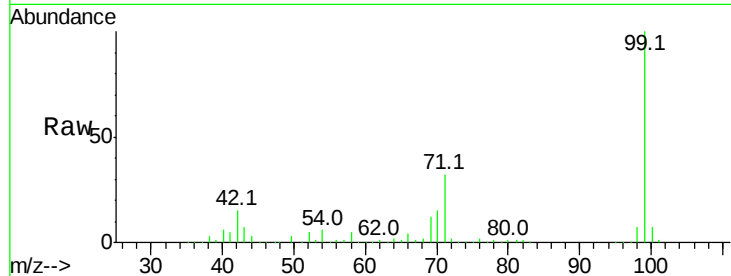
Tot Ion: 99 Resp: 1261372

Ion Ratio Lower Upper

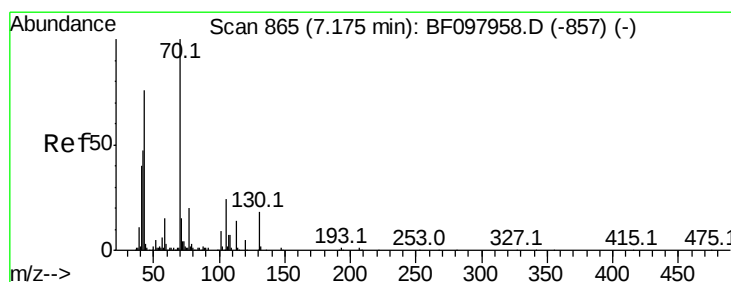
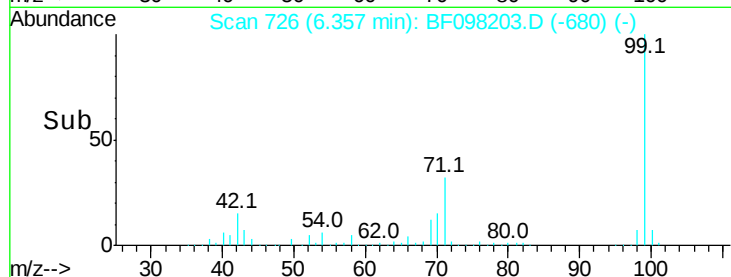
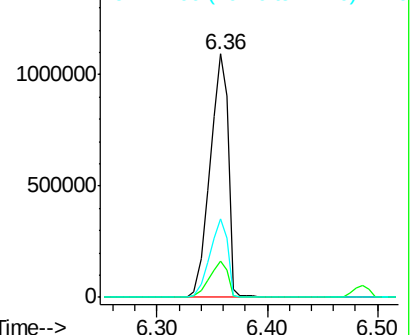
99 100

42 14.9 13.5 20.3

71 32.5 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: 15.016 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF098203.D

Acq: 31 Aug 2017 19:16

Tgt Ion: 70 Resp: 104071

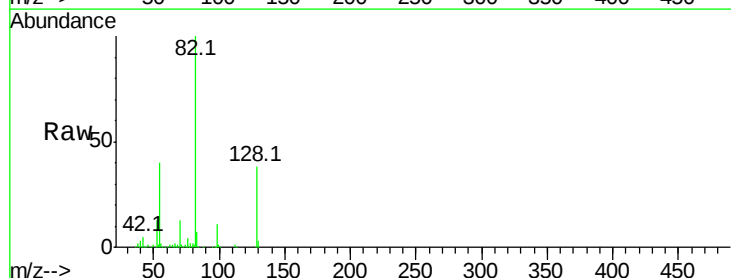
Ion Ratio Lower Upper

70 100

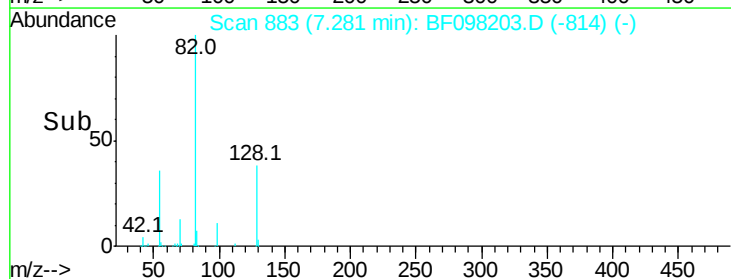
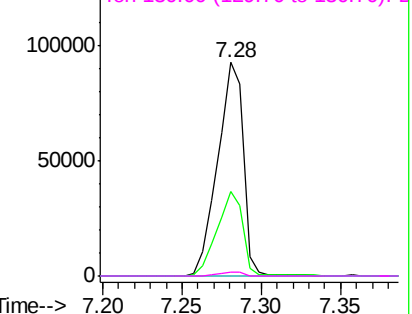
42 39.6 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 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

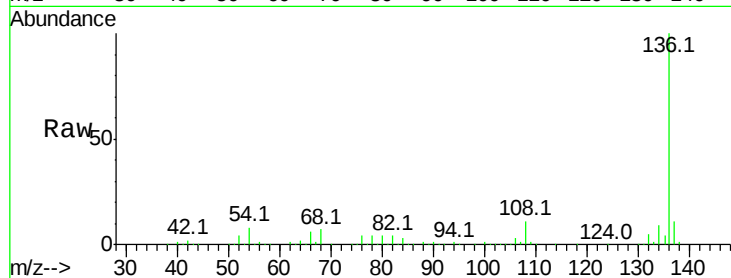




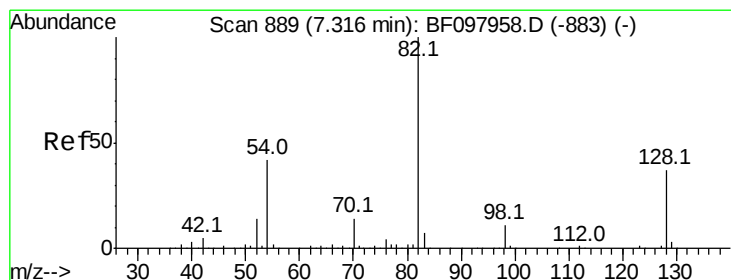
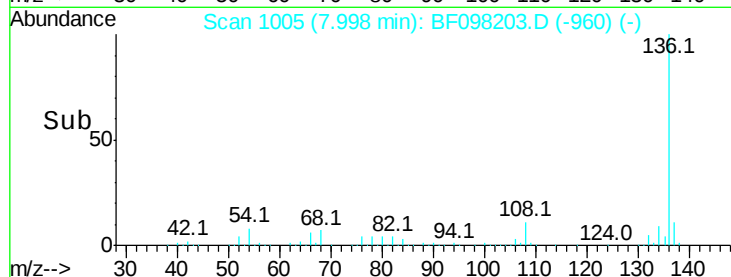
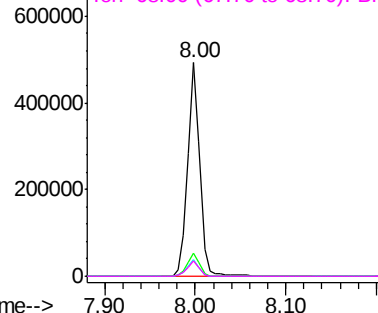
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.04 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	461602
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	7.8	4.9	7.3#
68	7.4	4.1	6.1#

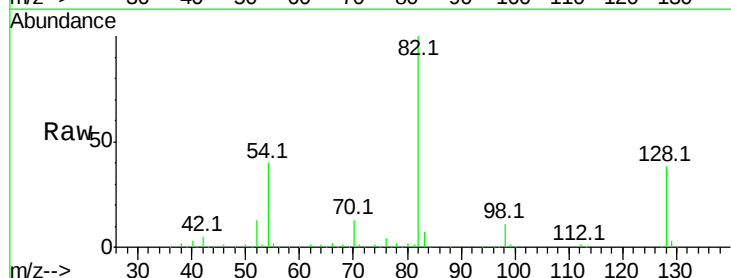


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

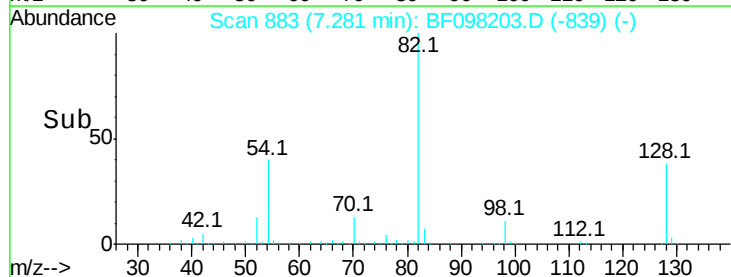
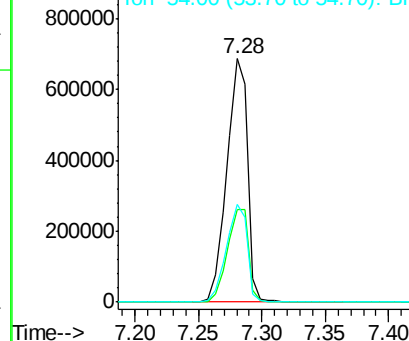


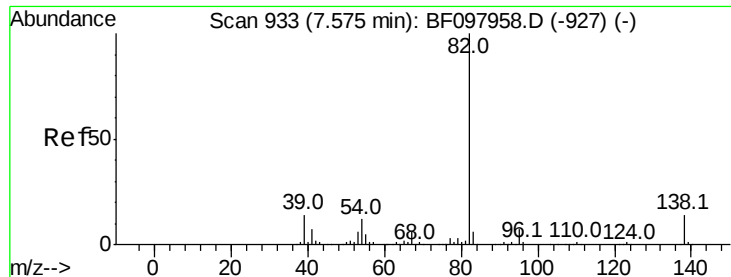
#23
Nitrobenzene-d5
Concen: 91.932 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.04 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

Tgt Ion:	82	Resp:	781153
Ion	Ratio	Lower	Upper
82	100		
128	37.9	34.0	51.0
54	40.2	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

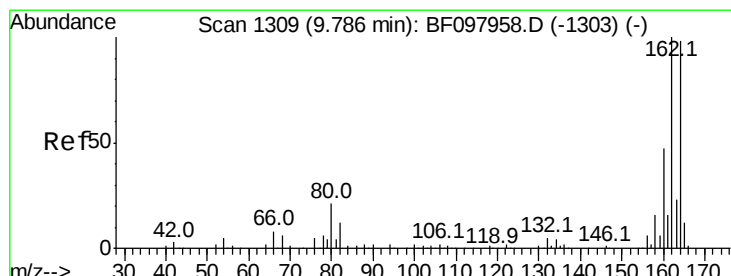
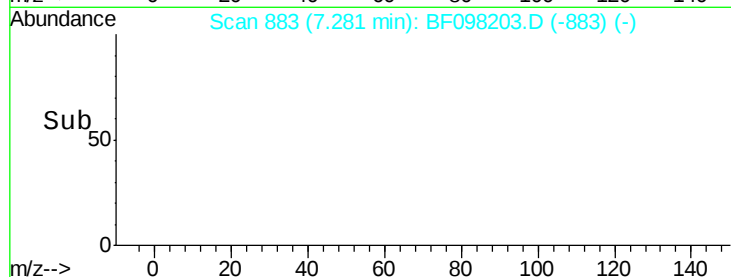
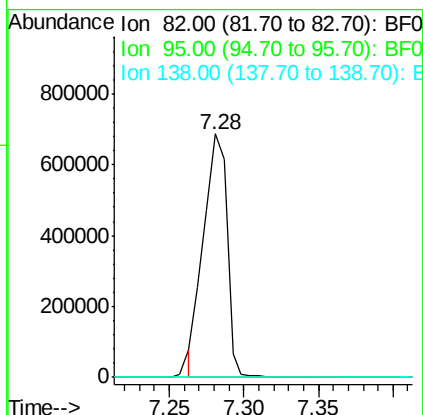
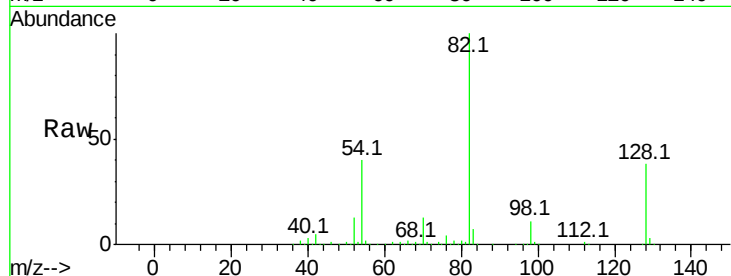




#25
Isophorone
Concen: 42.263 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.30 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

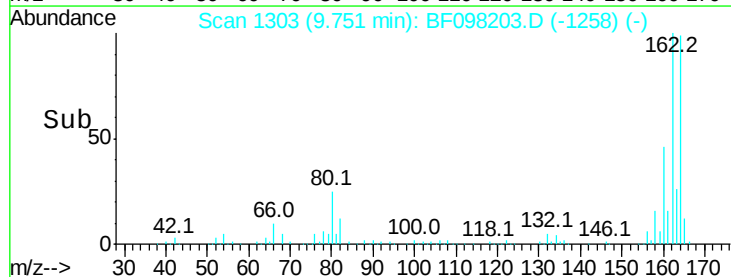
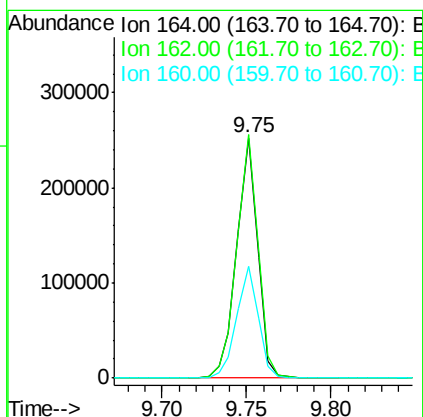
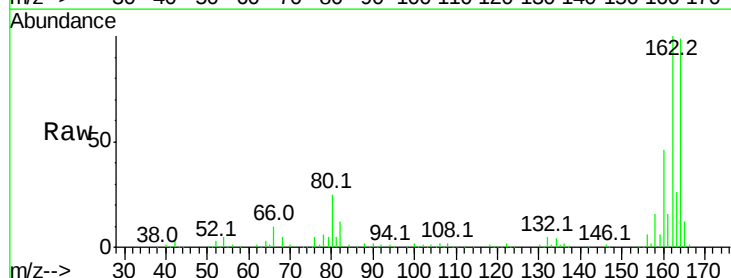
Instrument :
BNA_F
ClientSampleId :

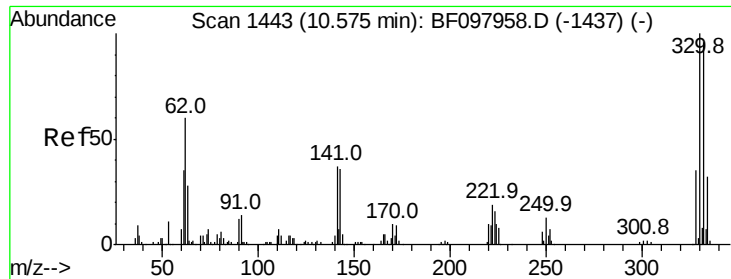
Tot Ion: 82 Resp: 746732
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

Tgt Ion:164 Resp: 220140
Ion Ratio Lower Upper
164 100
162 101.5 82.6 123.8
160 46.7 36.2 54.2

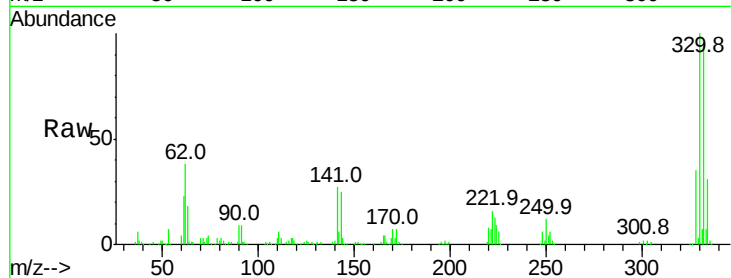




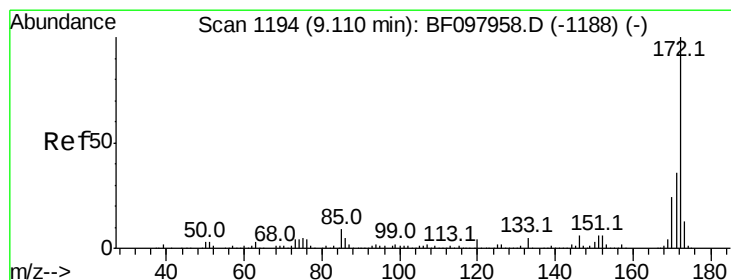
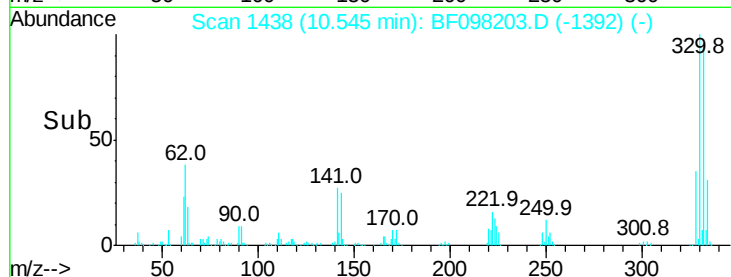
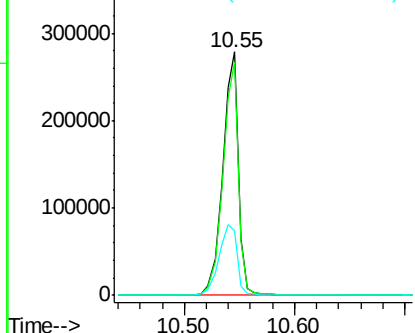
#41
 2,4,6-Tribromophenol
 Concen: 144.404 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098203.D
 Acq: 31 Aug 2017 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 275822
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 33.8 31.4 47.2

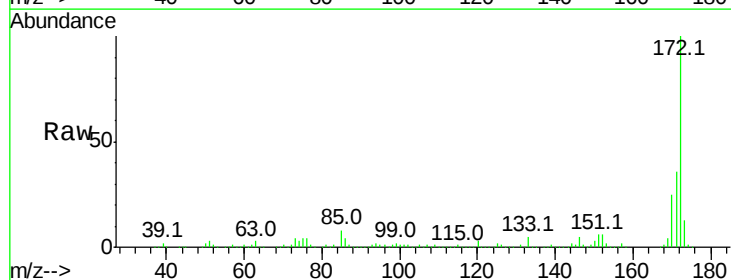


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

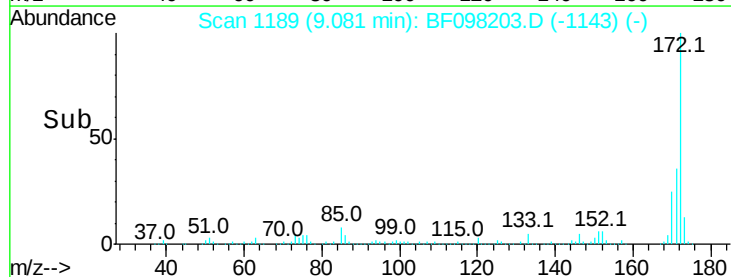
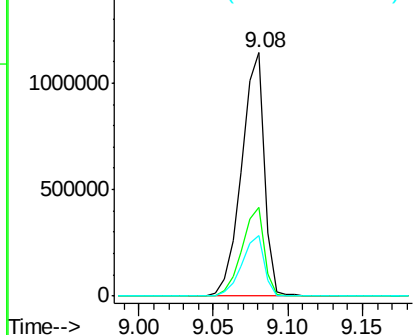


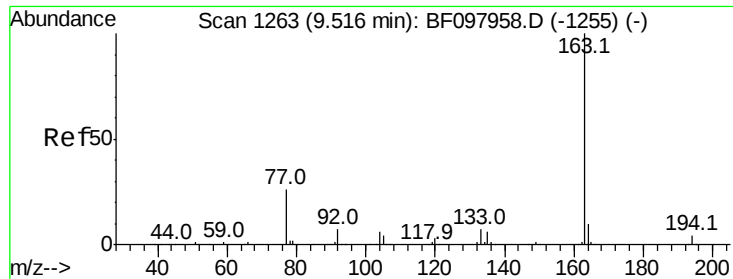
#44
 2-Fluorobiphenyl
 Concen: 80.807 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098203.D
 Acq: 31 Aug 2017 19:16

Tgt Ion:172 Resp: 1210774
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.0 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

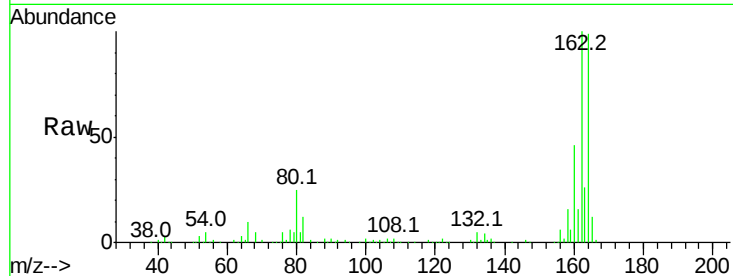




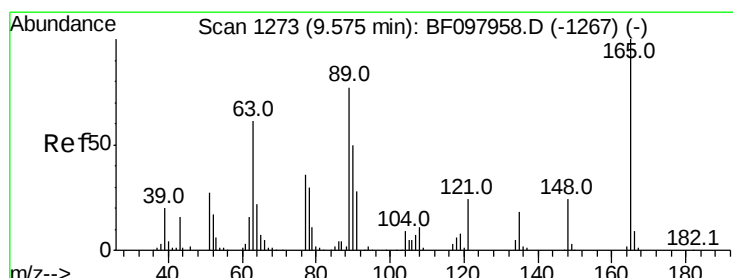
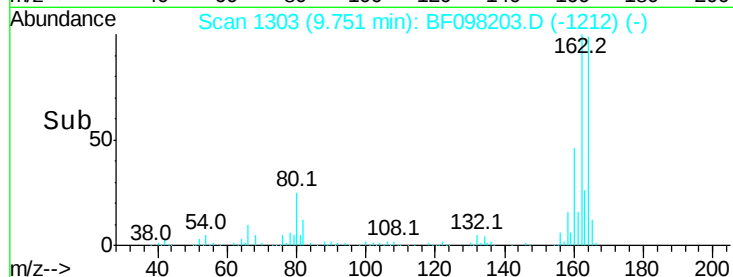
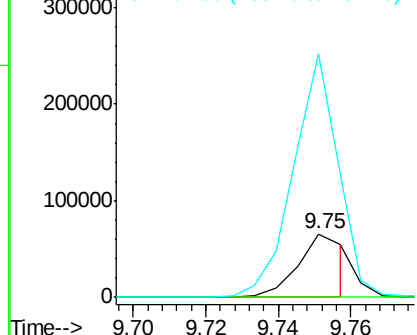
#49
Dimethylphthalate
Concen: 3.629 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.24 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 58391
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 384.1 8.4 12.6#

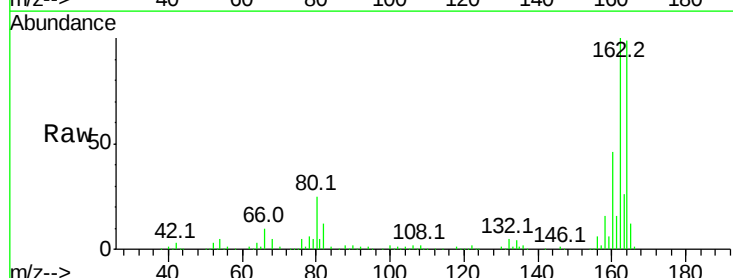


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

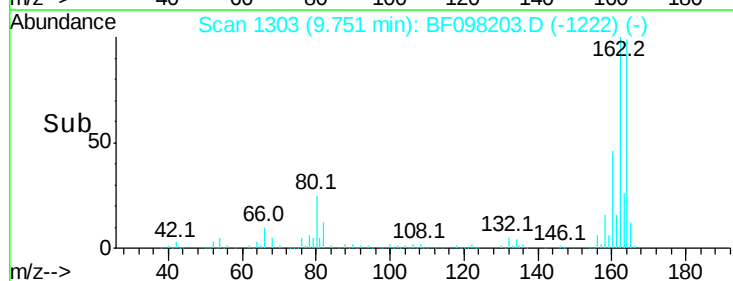
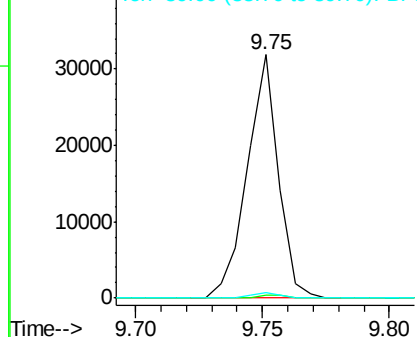


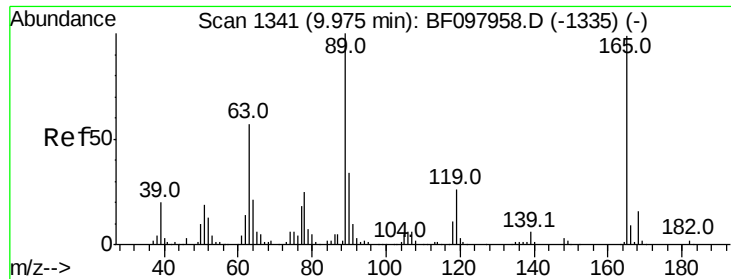
#50
2,6-Dinitrotoluene
Concen: 8.458 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.18 min
Lab File: BF098203.D
Acq: 31 Aug 2017 19:16

Tgt Ion:165 Resp: 27168
Ion Ratio Lower Upper
165 100
63 1.0 34.3 51.5#
89 2.1 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

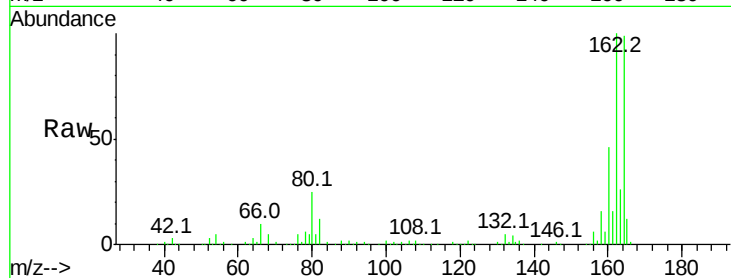




#56
 2,4-Dinitrotoluene
 Concen: 6.740 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.22 min
 Lab File: BF098203.D
 Acq: 31 Aug 2017 19:16

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#

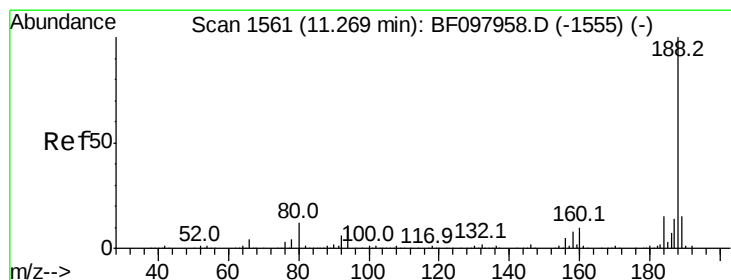
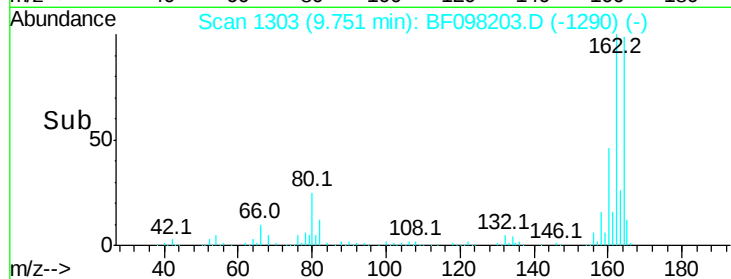
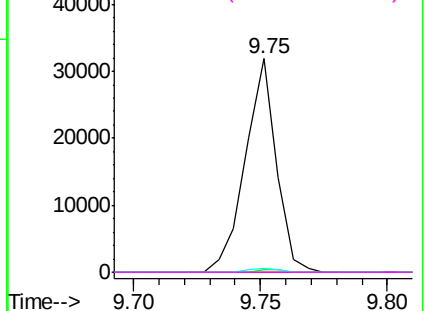


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

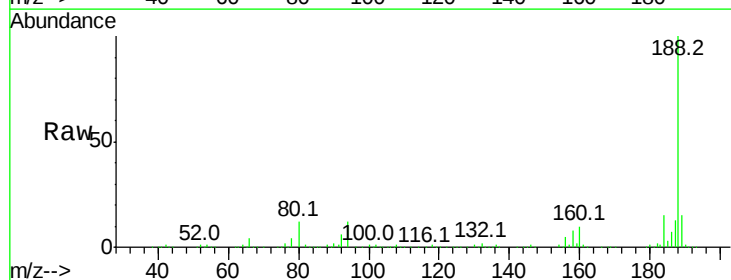
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.03 min
 Lab File: BF098203.D
 Acq: 31 Aug 2017 19:16

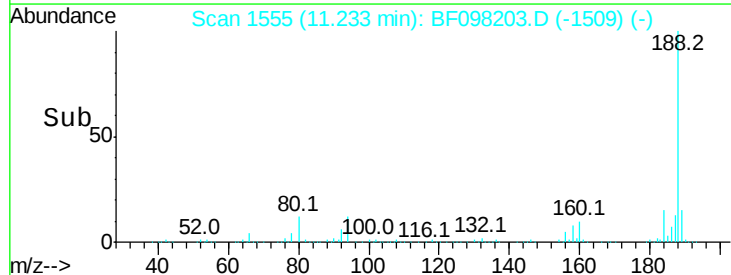
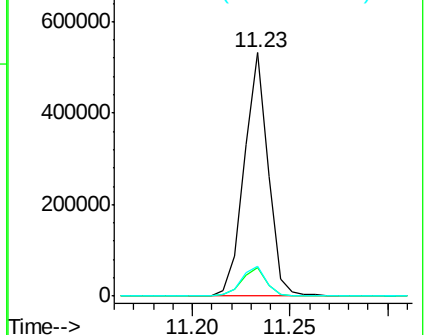
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.4	14.2
80	12.3	10.2	15.2

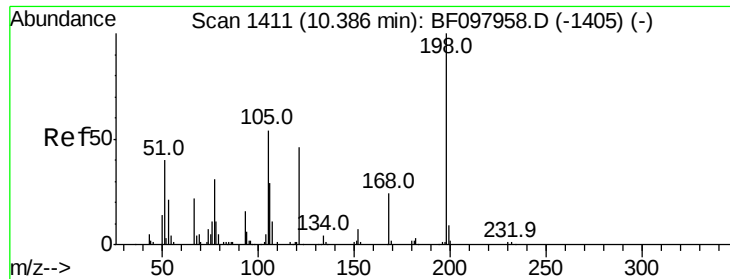


Abundance Ion 188.00 (187.70 to 188.70): E

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: 8.504 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.16 min

Lab File: BF098203.D

Acq: 31 Aug 2017 19:16

Instrument :

BNA_F

ClientSampleId :

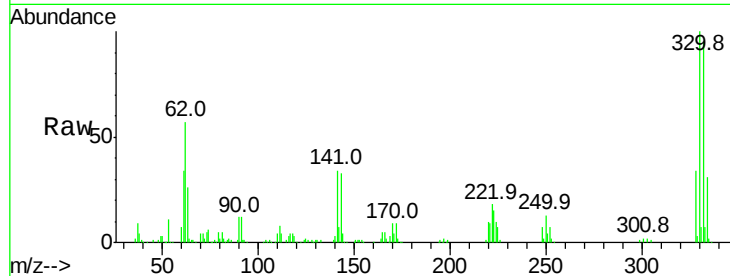
Tot Ion:198 Resp: 474

Ion Ratio Lower Upper

198 100

51 170.5 53.2 93.2#

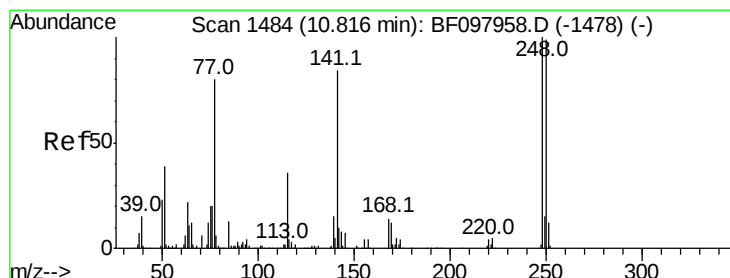
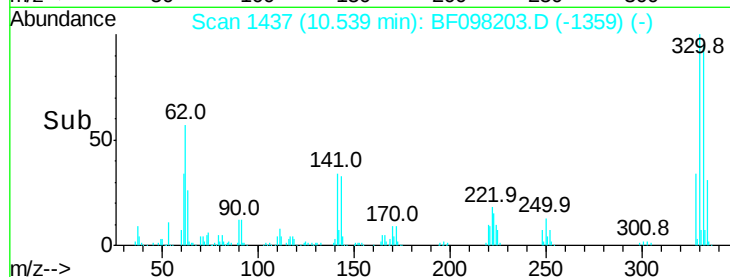
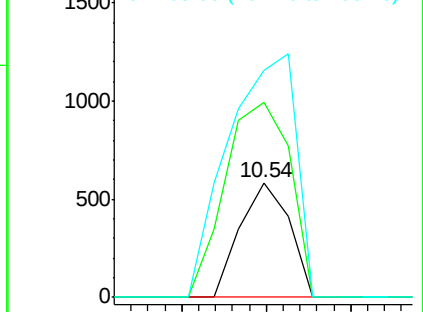
105 198.1 45.8 85.8#



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: 3.806 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.28 min

Lab File: BF098203.D

Acq: 31 Aug 2017 19:16

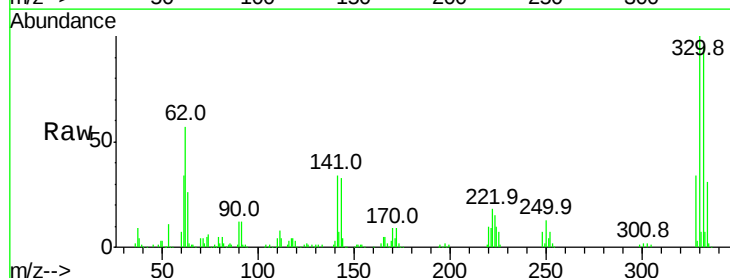
Tgt Ion:248 Resp: 17919

Ion Ratio Lower Upper

248 100

250 191.5 76.8 115.2#

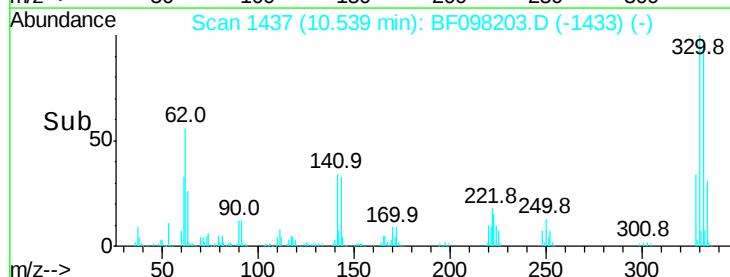
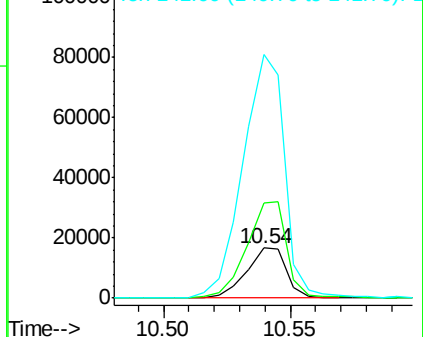
141 489.7 68.6 103.0#

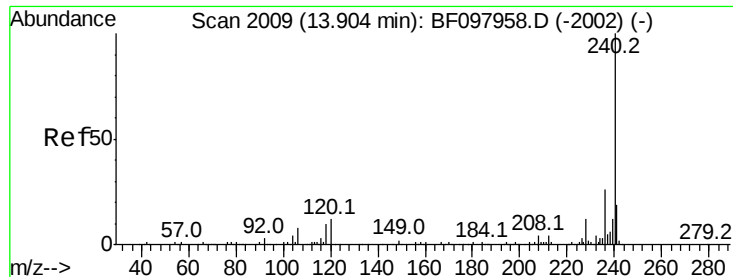


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.86 min Scan# 2002

Delta R.T. -0.04 min

Lab File: BF098203.D

Acq: 31 Aug 2017 19:16

Instrument :

BNA_F

ClientSampled :

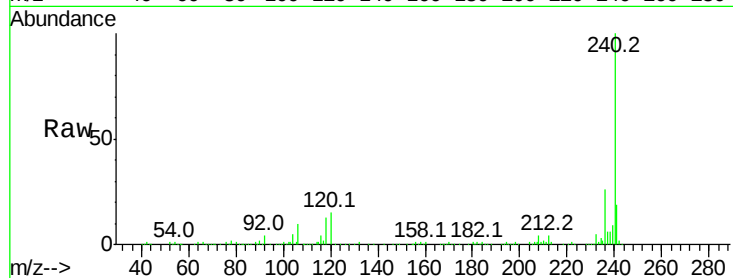
Tot Ion:240 Resp: 367347

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

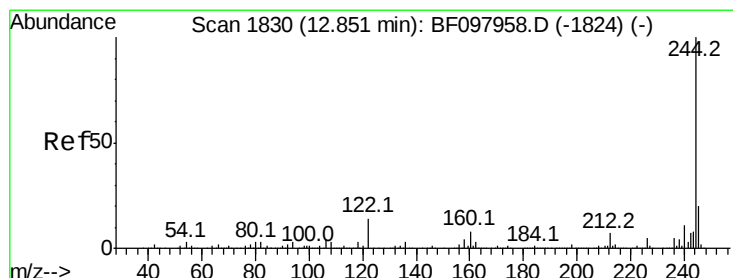
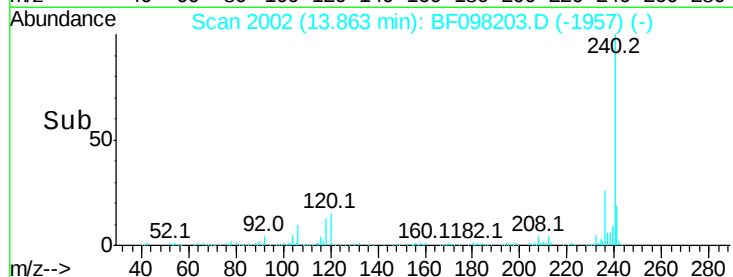
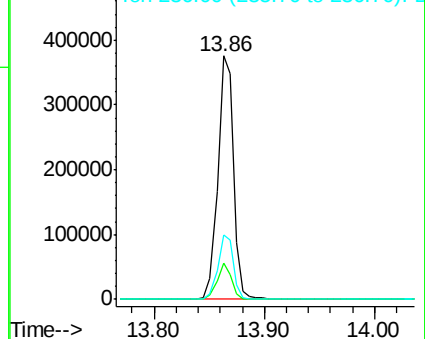
236 26.4 20.5 30.7



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: 67.835 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098203.D

Acq: 31 Aug 2017 19:16

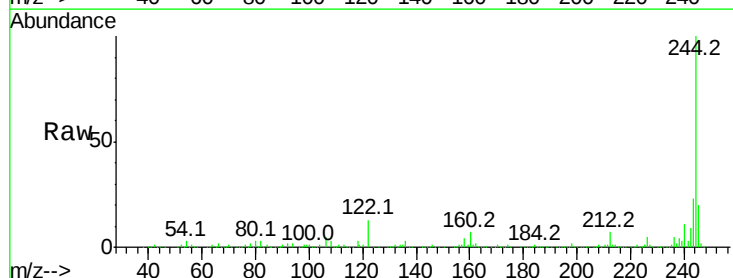
Tgt Ion:244 Resp: 1194964

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

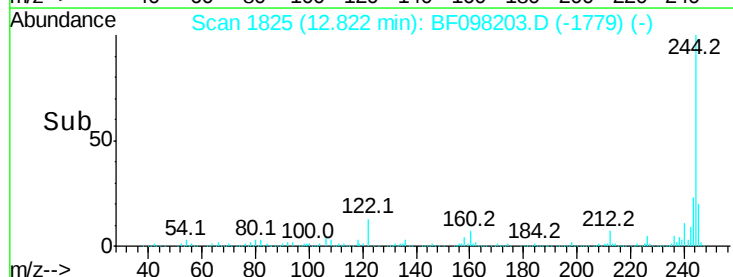
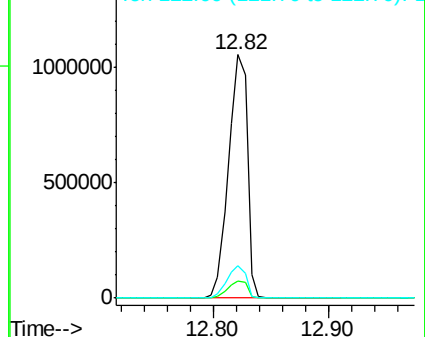
122 13.3 10.3 15.5

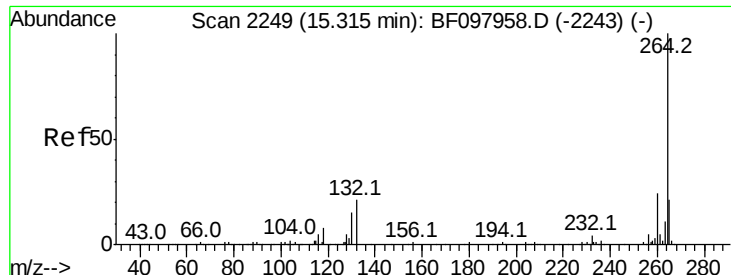


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

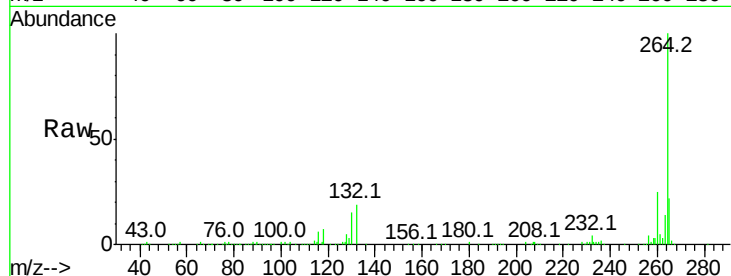




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.03 min
 Lab File: BF098203.D
 Acq: 31 Aug 2017 19:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.8	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

