

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083117\
 Data File : BF098207.D
 Acq On : 31 Aug 2017 21:08
 Operator : SJ/JU
 Sample : I4963-14
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 01:53:17 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

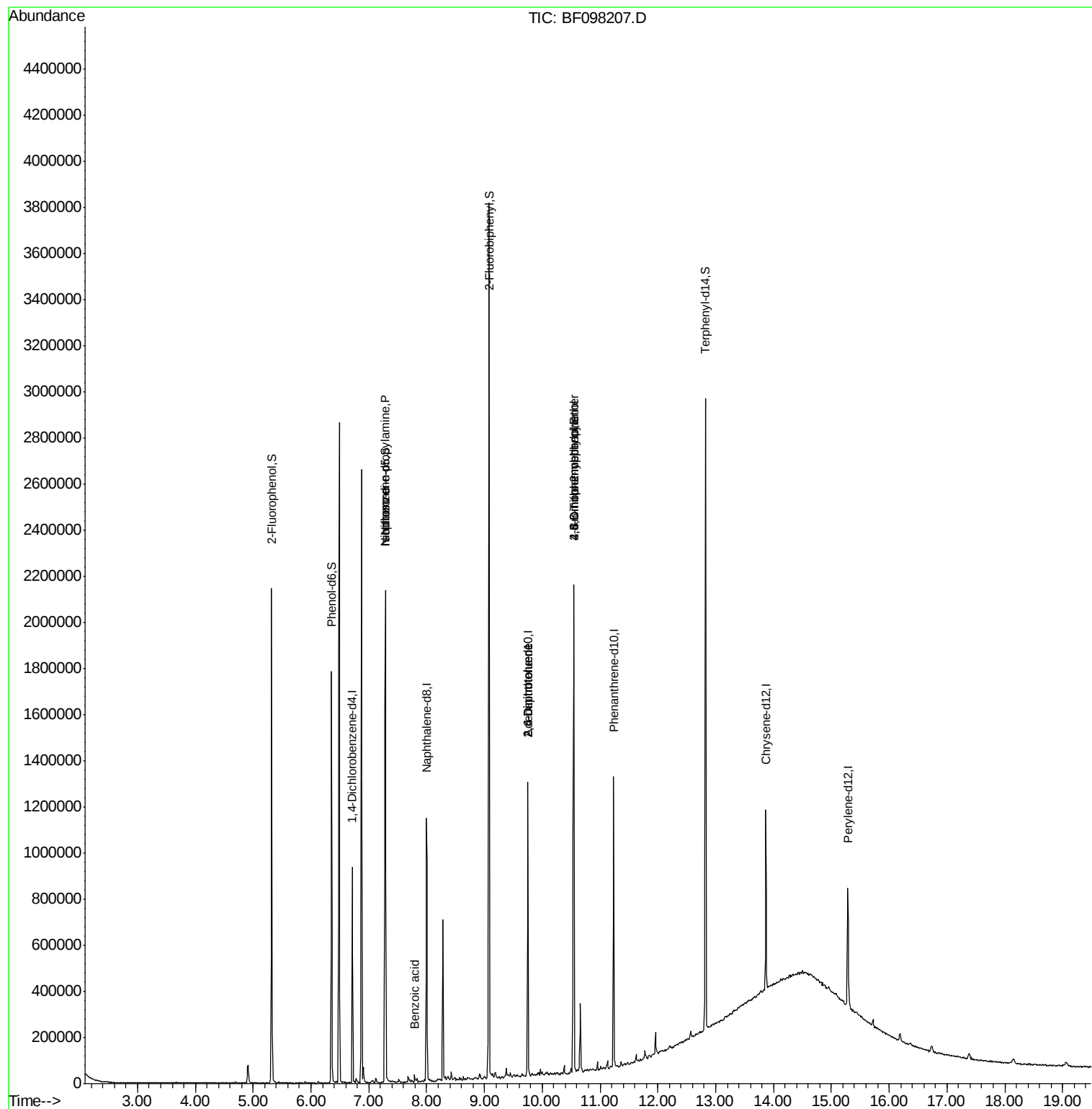
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	122218	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	497964	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	227224	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	414266	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	260921	20.00	ng	-0.03
86) Perylene-d12	15.29	264	232731	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	628747	78.25	ng	-0.03
7) Phenol-d6	6.36	99	603514	55.28	ng	-0.03
23) Nitrobenzene-d5	7.29	82	813934	88.79	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	276789	140.39	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	1247699	80.67	ng	-0.03
78) Terphenyl-d14	12.82	244	999959	79.92	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	109208	14.613	ng	# 70
25) Isophorone	7.29	82	795110	41.715	ng	# 67
32) Benzoic acid	7.80	122	517	6.482	ng	# 22
50) 2,6-Dinitrotoluene	9.75	165	30248	9.124	ng	# 35
56) 2,4-Dinitrotoluene	9.75	165	30248	7.270	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.55	198	790	8.655	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	18056	4.197	ng	# 1

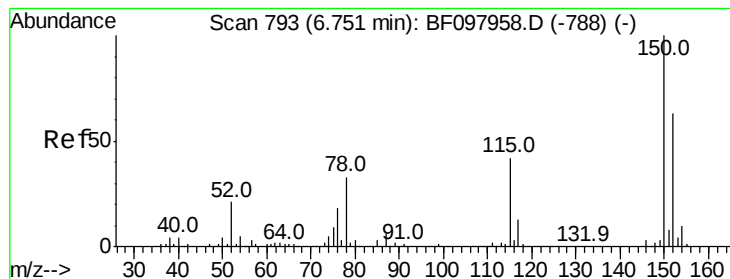
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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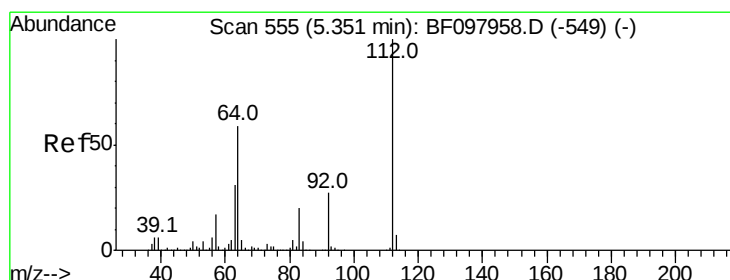
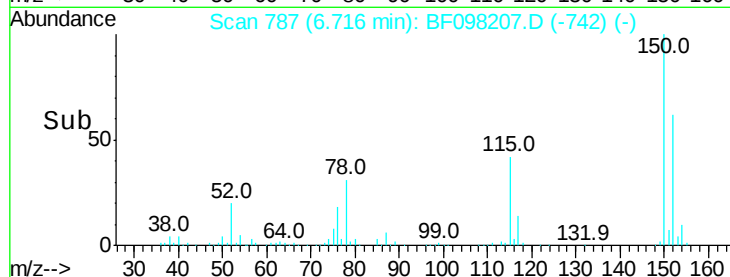
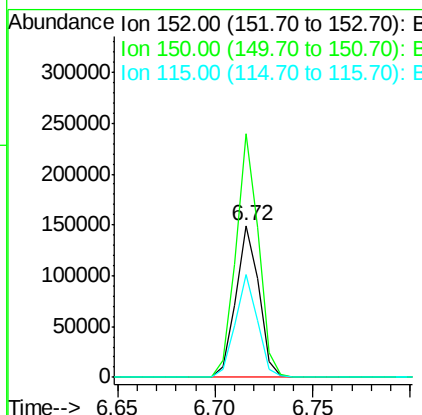
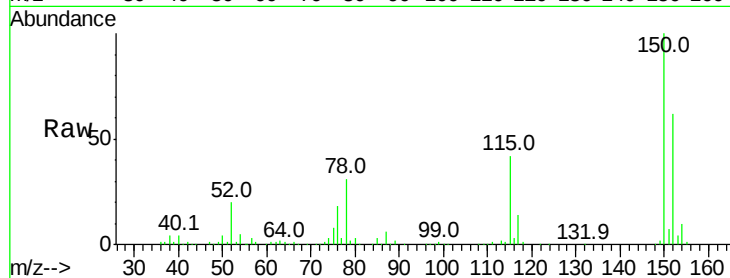


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098207.D
Acq: 31 Aug 2017 21:08

Instrument :
BNA_F
ClientSampleId :

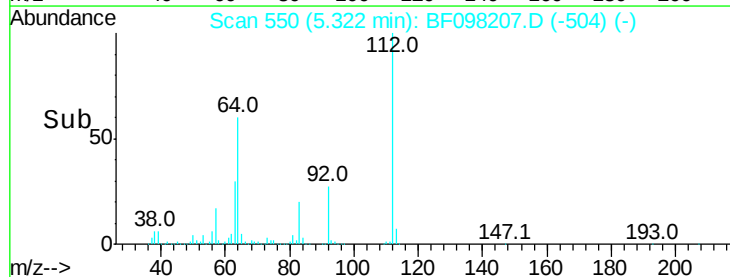
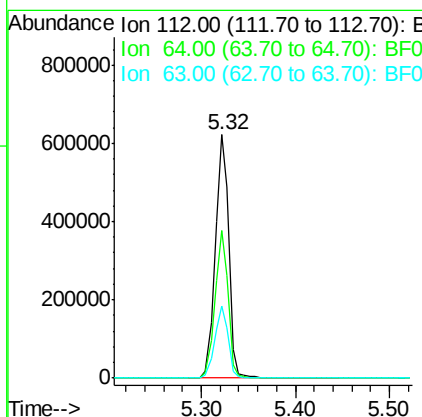
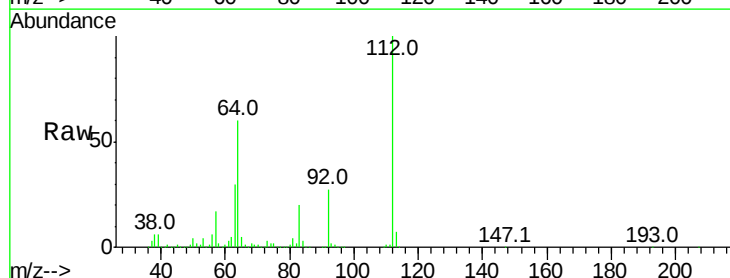
Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	126.2	189.2
115	67.7	52.2	78.2

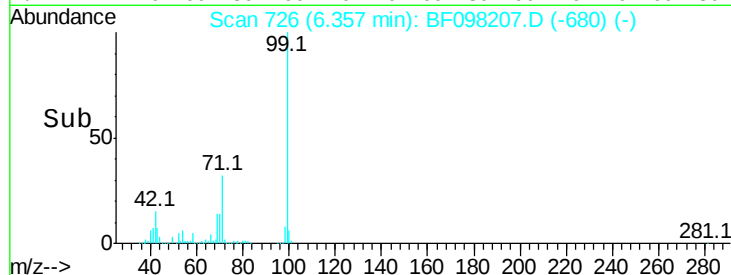
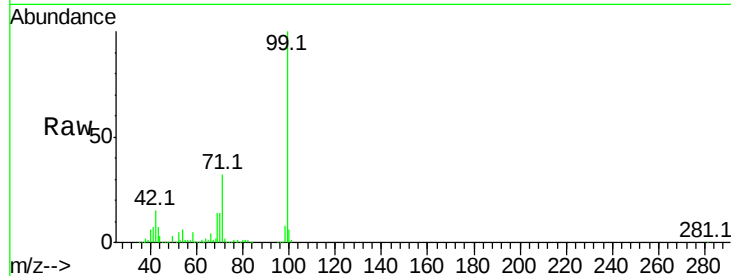
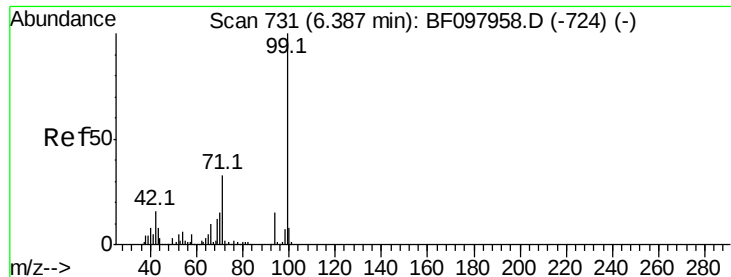


#5

2-Fluorophenol
Concen: 78.251 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098207.D
Acq: 31 Aug 2017 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	46.0	69.0
63	29.7	23.4	35.0





#7

Phenol-d6

Concen: 55.281 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

Instrument :

BNA_F

ClientSampleId :

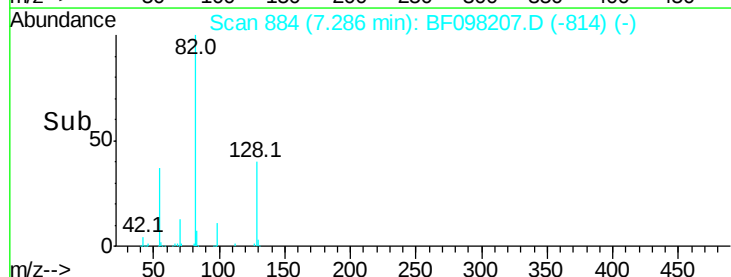
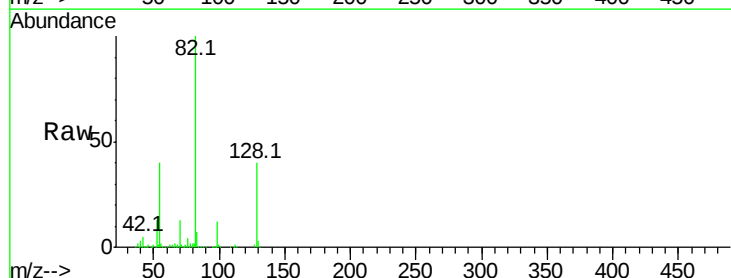
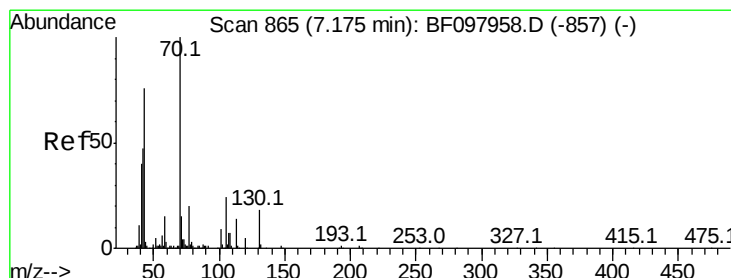
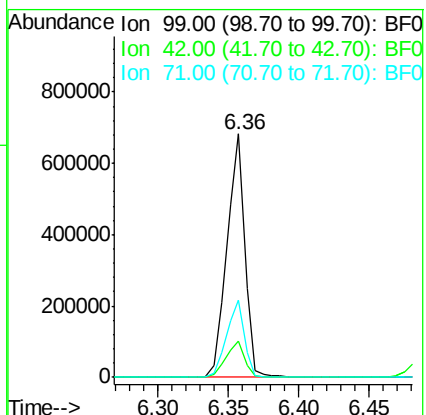
Tot Ion: 99 Resp: 603514

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

71 31.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.613 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

Tgt Ion: 70 Resp: 109208

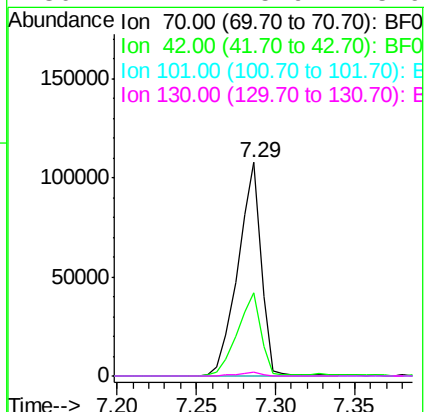
Ion Ratio Lower Upper

70 100

42 38.9 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

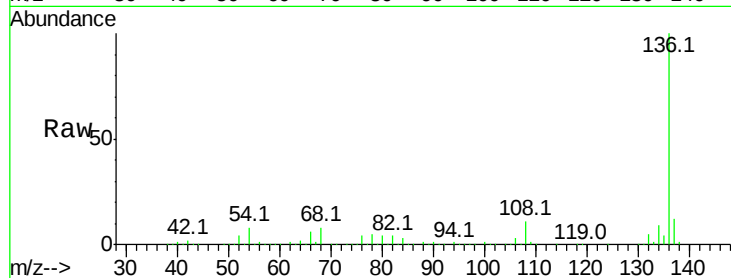




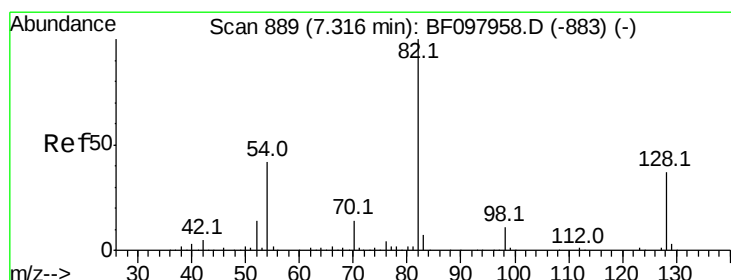
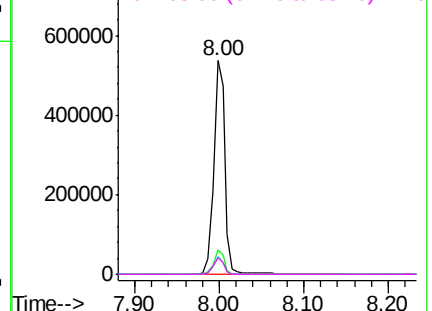
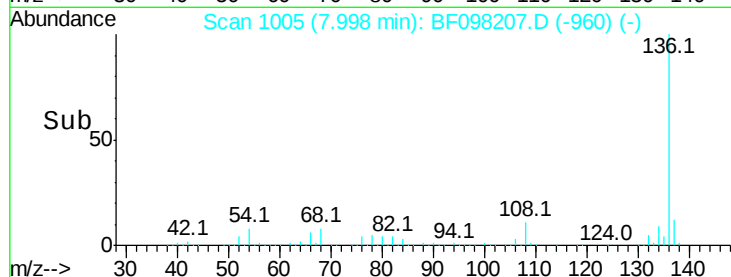
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.04 min
Lab File: BF098207.D
Acq: 31 Aug 2017 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	497964
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	8.4	4.9	7.3#
68	8.1	4.1	6.1#

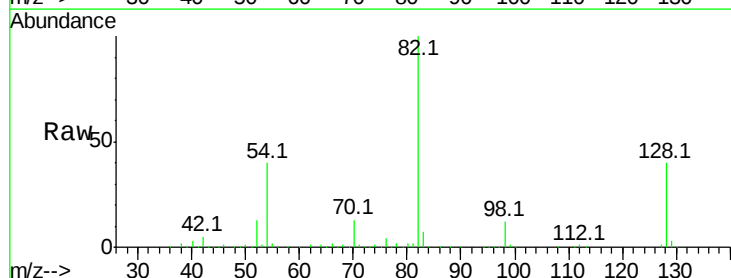


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

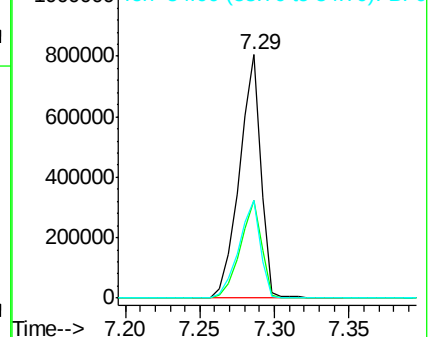
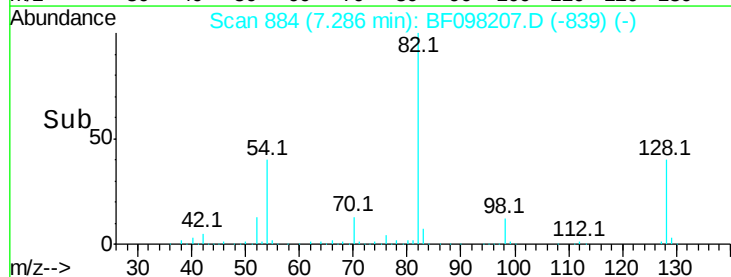


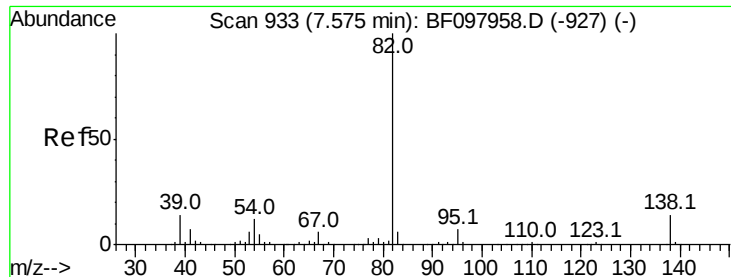
#23
Nitrobenzene-d5
Concen: 88.795 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098207.D
Acq: 31 Aug 2017 21:08

Tgt Ion:	82	Resp:	813934
Ion	Ratio	Lower	Upper
82	100		
128	39.9	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: 41.715 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

Instrument :

BNA_F

ClientSampleId :

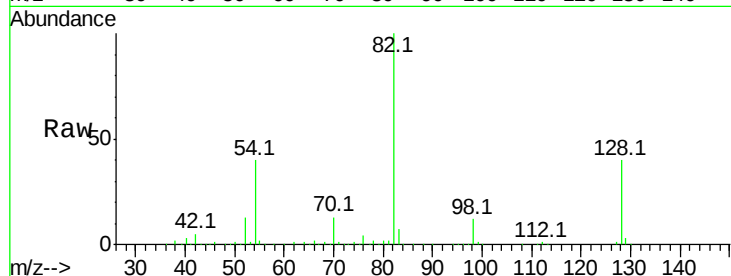
Tot Ion: 82 Resp: 795110

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

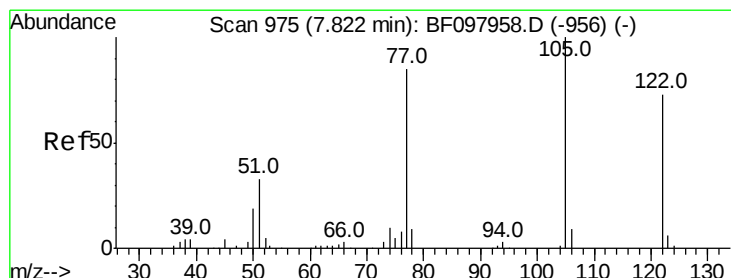
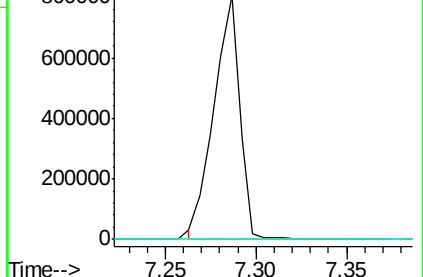
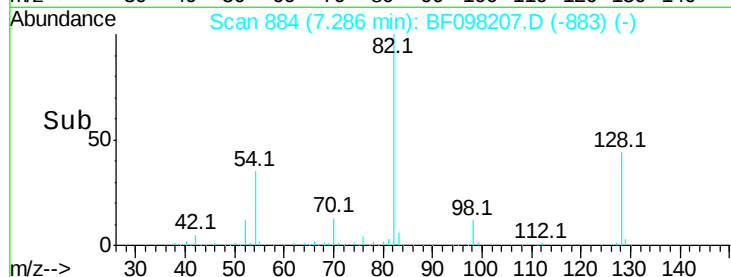
138 0.0 13.1 19.7#



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: 6.482 ng

RT: 7.80 min Scan# 971

Delta R.T. -0.04 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

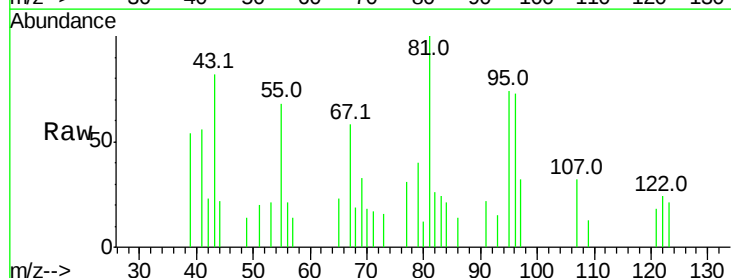
Tgt Ion:122 Resp: 517

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

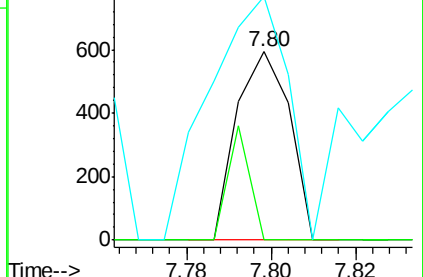
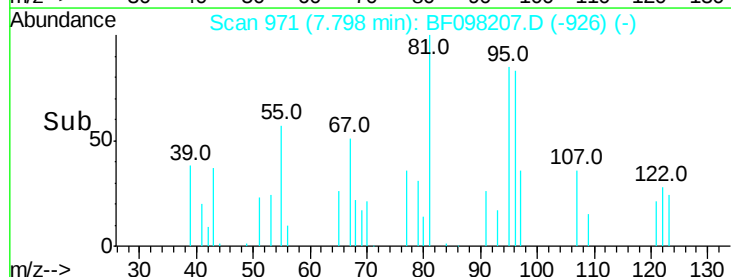
77 129.3 73.7 113.7#

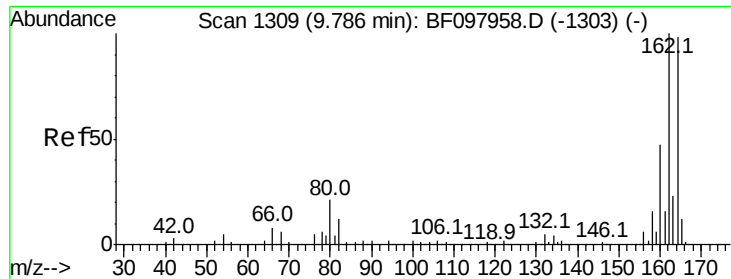


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

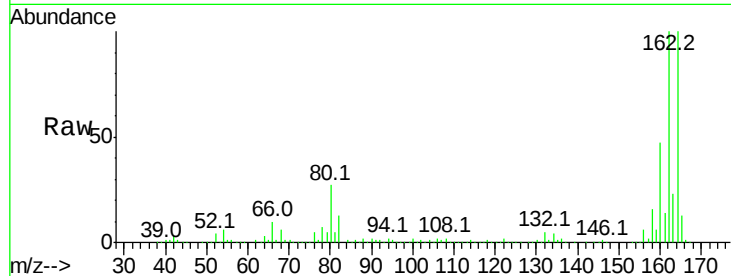




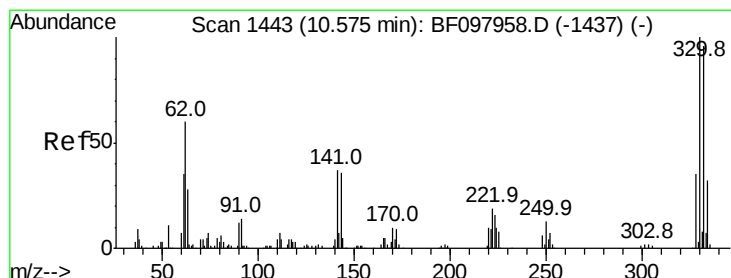
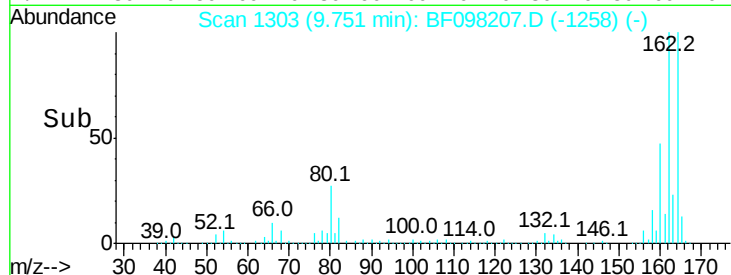
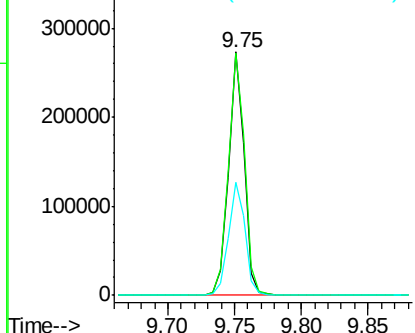
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. -0.04 min
 Lab File: BF098207.D
 Acq: 31 Aug 2017 21:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 227224
 Ion Ratio Lower Upper
 164 100
 162 99.7 82.6 123.8
 160 46.6 36.2 54.2

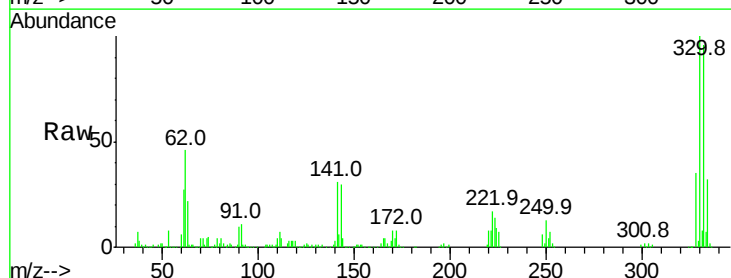


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

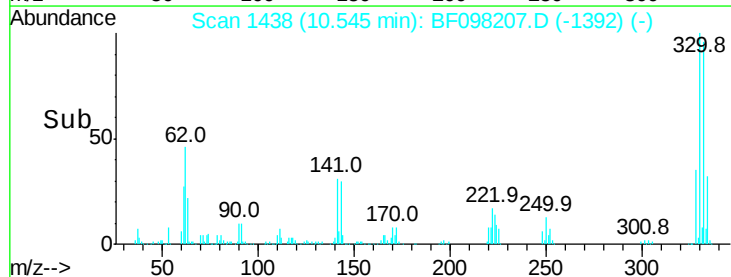
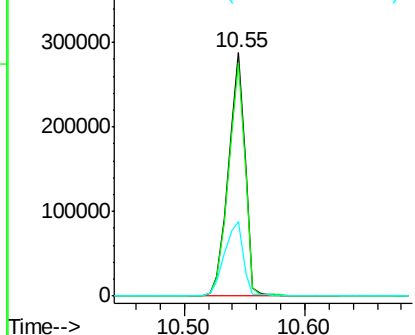


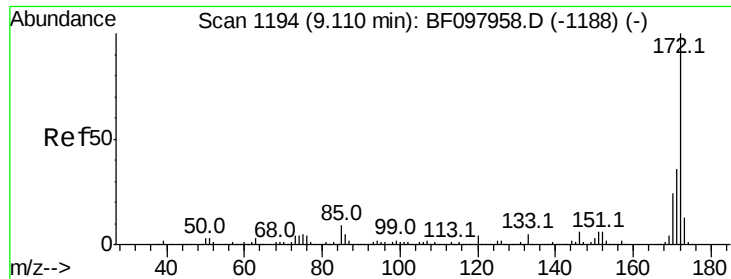
#41
 2,4,6-Tribromophenol
 Concen: 140.392 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098207.D
 Acq: 31 Aug 2017 21:08

Tgt Ion:330 Resp: 276789
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 34.2 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



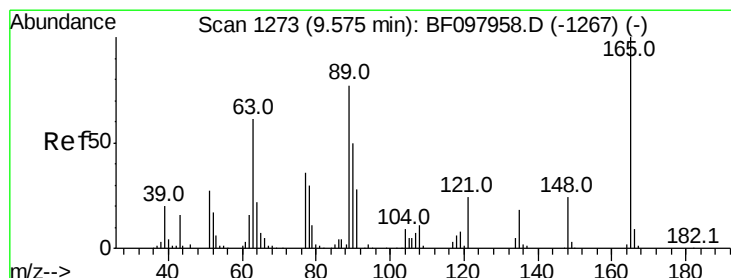
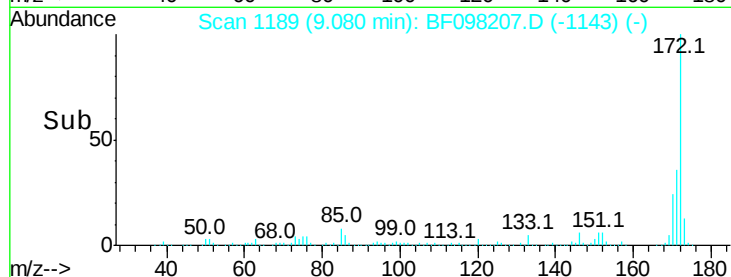
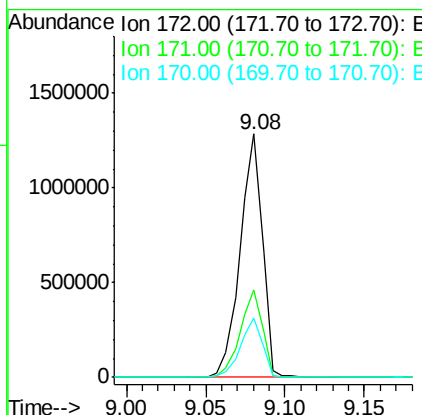
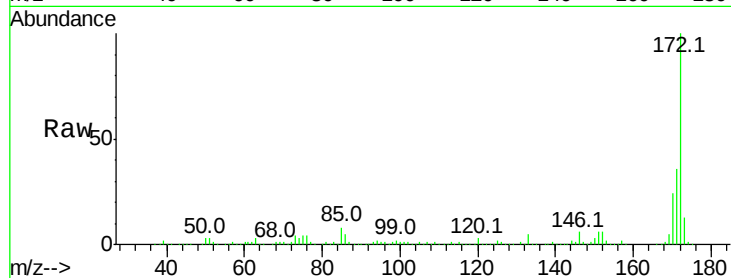


#44
 2-Fluorobiphenyl
 Concen: 80.675 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098207.D
 Acq: 31 Aug 2017 21:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1247699

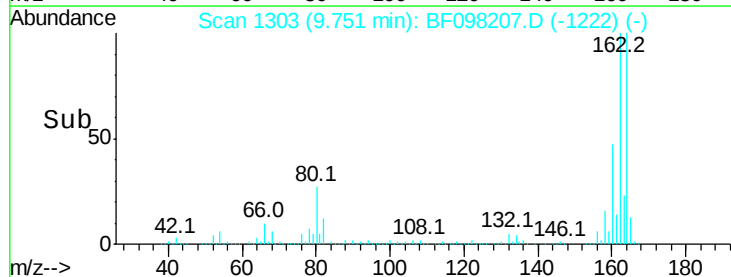
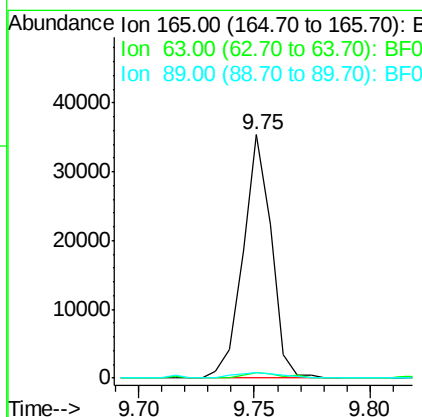
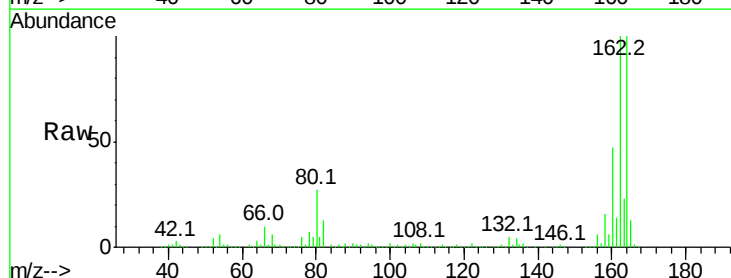
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	24.3	19.8	29.8

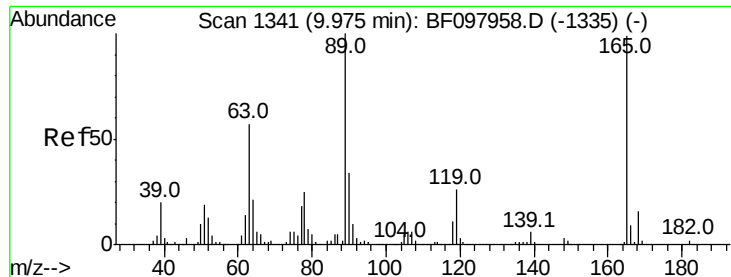


#50
 2,6-Dinitrotoluene
 Concen: 9.124 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.18 min
 Lab File: BF098207.D
 Acq: 31 Aug 2017 21:08

Tgt Ion:165 Resp: 30248

Ion	Ratio	Lower	Upper
165	100		
63	2.4	34.3	51.5#
89	2.2	37.1	55.7#





#56

2,4-Dinitrotoluene

Concen: 7.270 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.22 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

Instrument :

BNA_F

ClientSampled :

Tot Ion:165 Resp: 30248

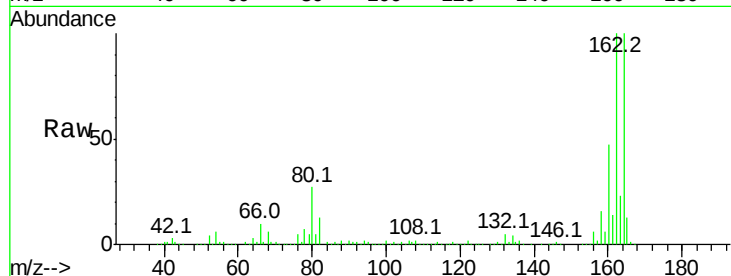
Ion Ratio Lower Upper

165 100

63 2.4 25.4 38.0#

89 2.2 46.4 69.6#

182 0.0 1.8 2.6#

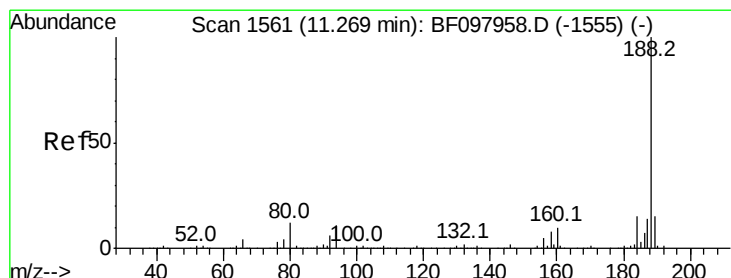
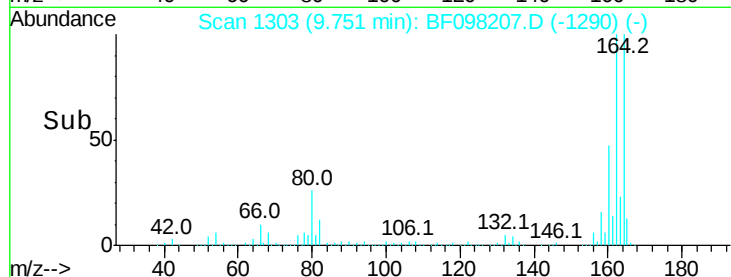
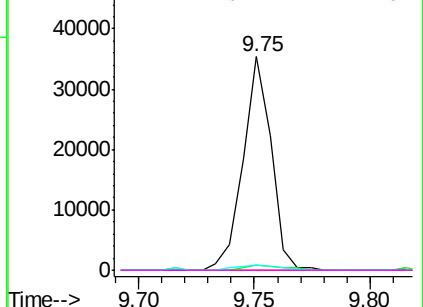


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

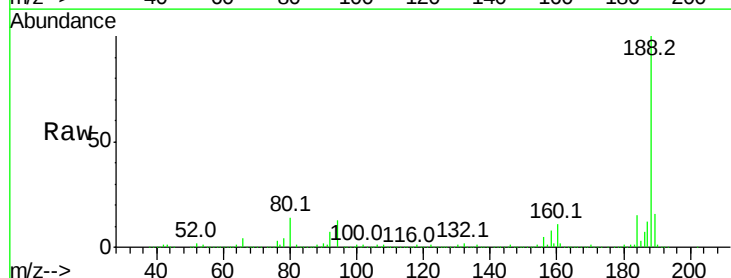
Tgt Ion:188 Resp: 414266

Ion Ratio Lower Upper

188 100

94 12.6 9.4 14.2

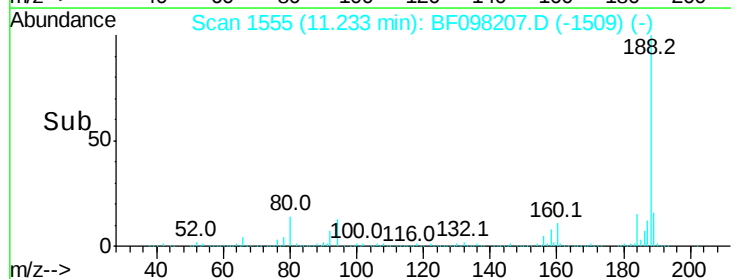
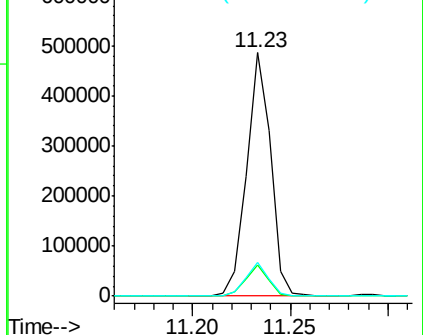
80 13.7 10.2 15.2

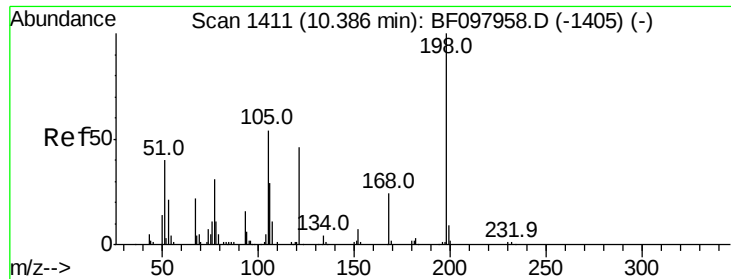


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

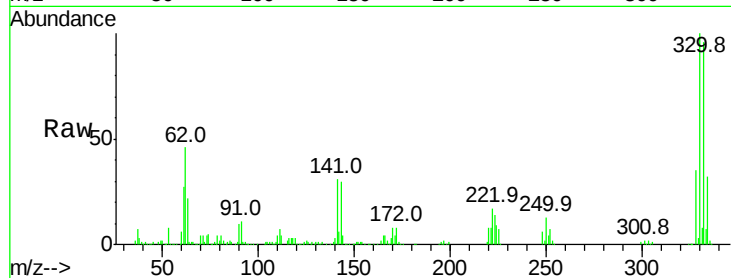




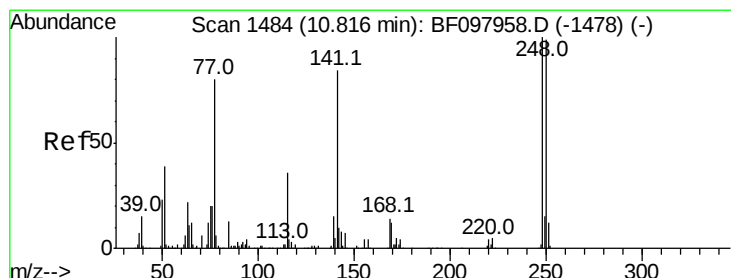
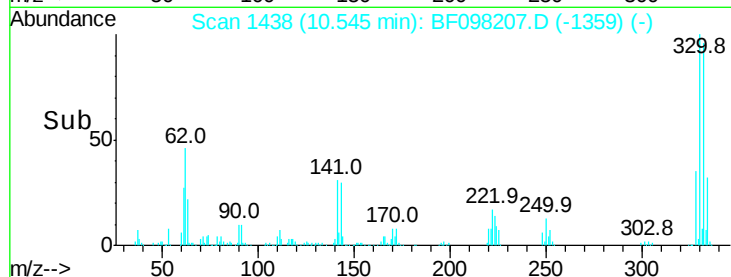
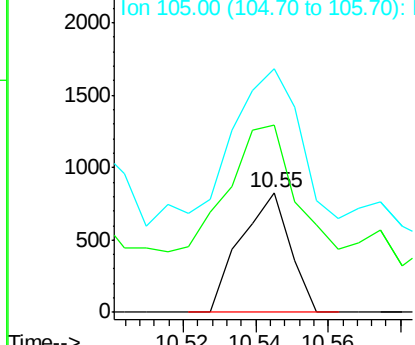
#64
4,6-Dinitro-2-methylphenol
Concen: 8.655 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.16 min
Lab File: BF098207.D
Acq: 31 Aug 2017 21:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:198 Resp: 790
Ion Ratio Lower Upper
198 100
51 156.6 53.2 93.2#
105 202.9 45.8 85.8#

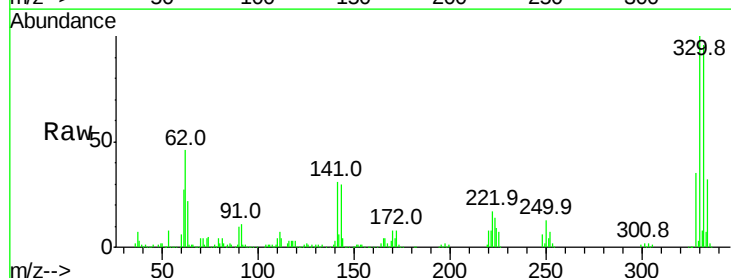


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

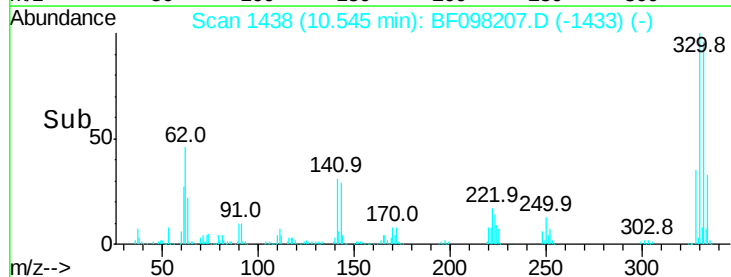
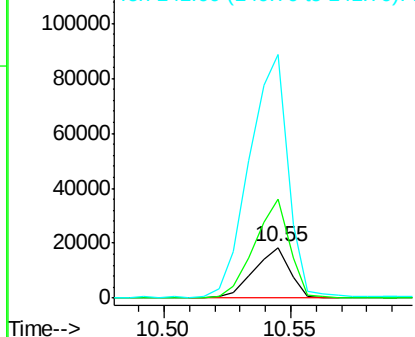


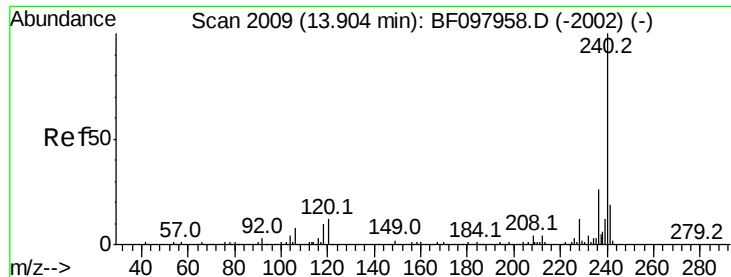
#66
4-Bromophenyl-phenylether
Concen: 4.197 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.27 min
Lab File: BF098207.D
Acq: 31 Aug 2017 21:08

Tgt Ion:248 Resp: 18056
Ion Ratio Lower Upper
248 100
250 194.7 76.8 115.2#
141 478.7 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: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

Instrument :

BNA_F

ClientSampleId :

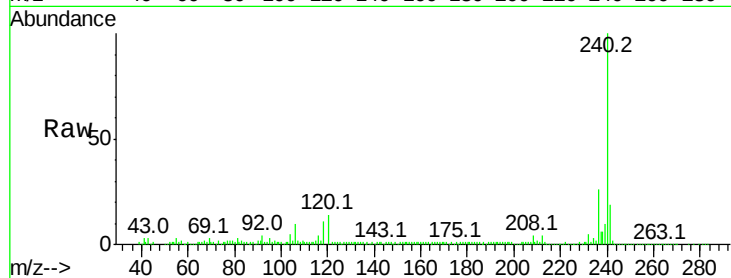
Tot Ion:240 Resp: 260921

Ion Ratio Lower Upper

240 100

120 14.2 5.8 8.8#

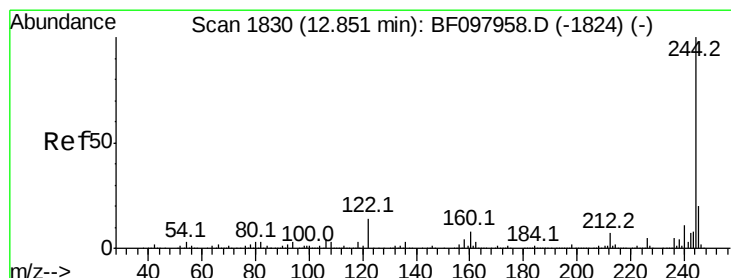
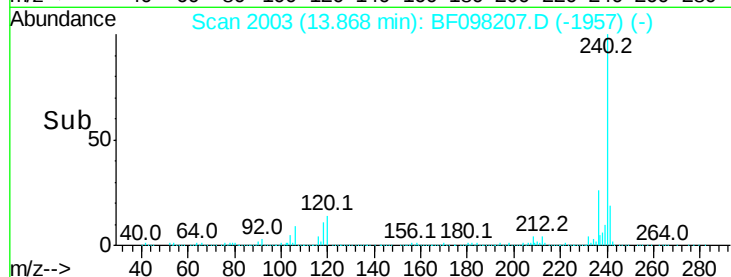
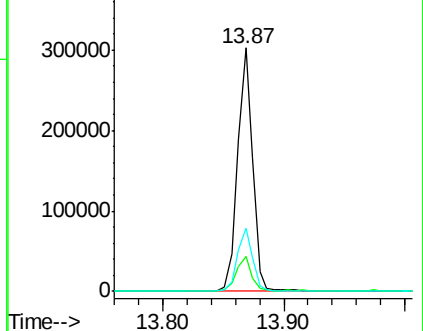
236 26.0 20.5 30.7



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: 79.919 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098207.D

Acq: 31 Aug 2017 21:08

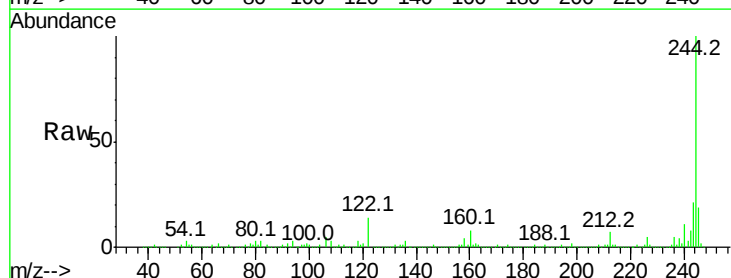
Tgt Ion:244 Resp: 999959

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

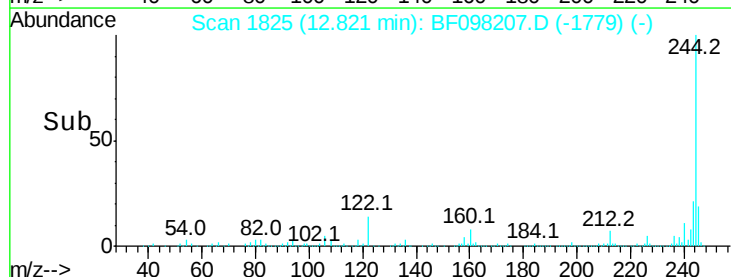
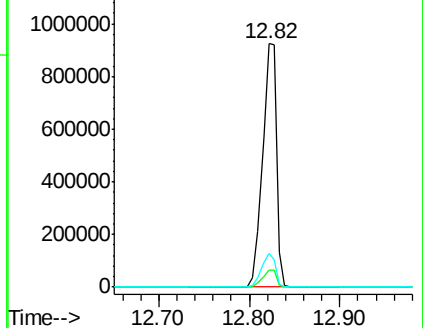
122 13.8 10.3 15.5

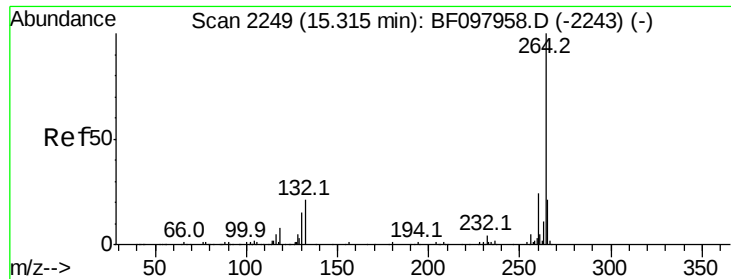


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

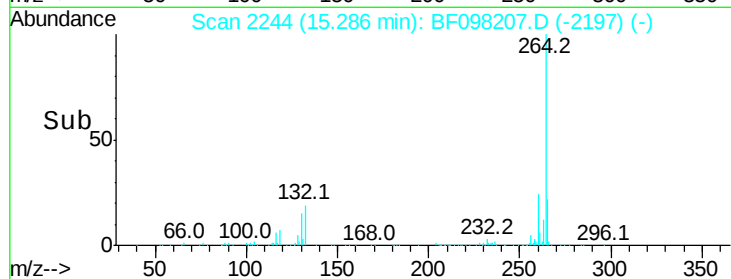
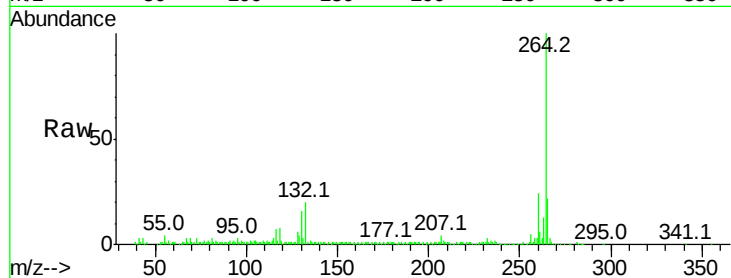




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098207.D
Acq: 31 Aug 2017 21:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	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

