

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098174.D
 Acq On : 30 Aug 2017 23:50
 Operator : SJ/JU
 Sample : I5008-01 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:49:31 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

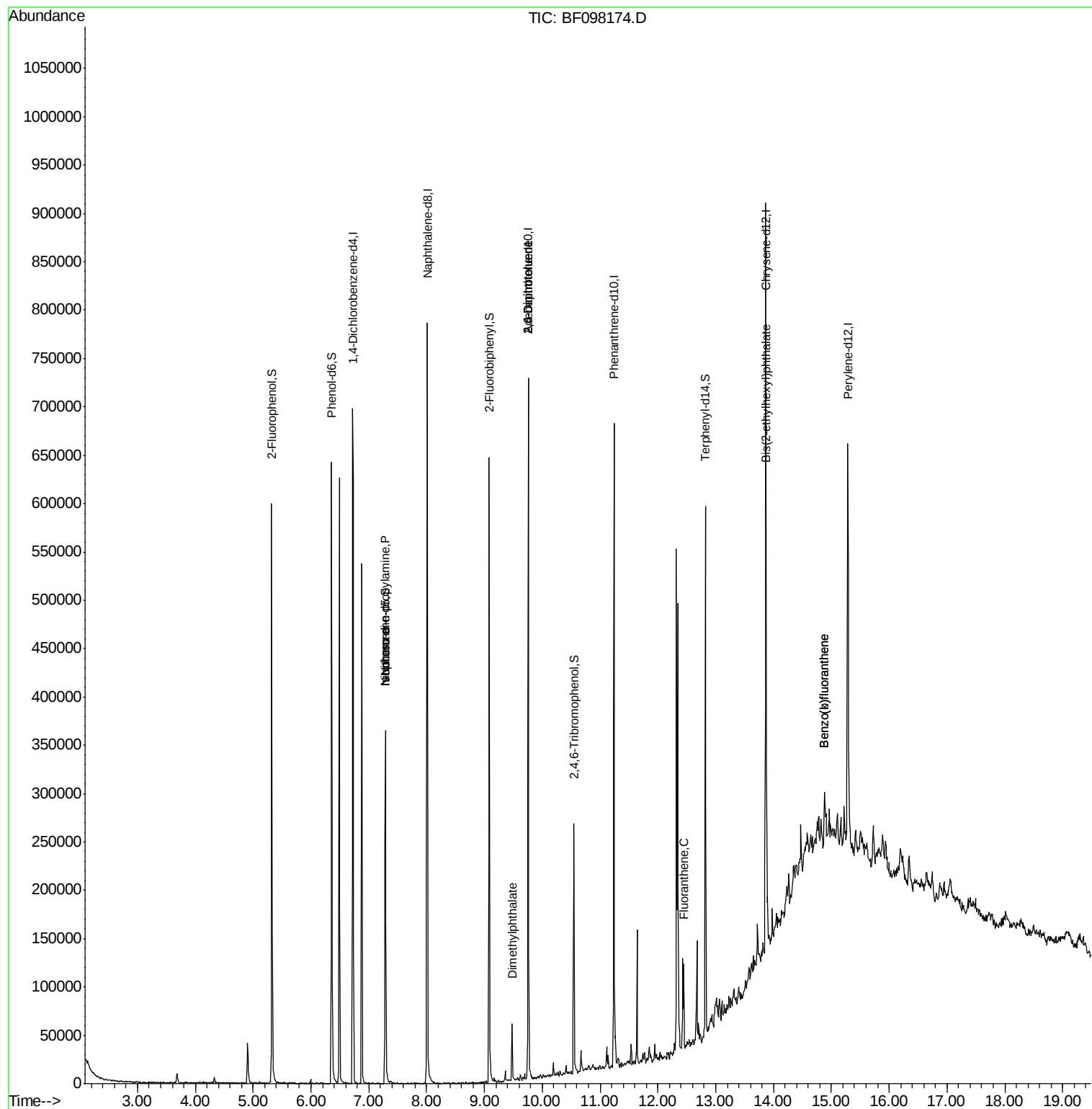
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	101982	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	360126	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	128445	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	220182	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	236773	20.00	ng	-0.03
86) Perylene-d12	15.29	264	185389	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	171387	25.56	ng	-0.03
7) Phenol-d6	6.36	99	223967	24.59	ng	-0.03
23) Nitrobenzene-d5	7.29	82	126078	19.02	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	25340	22.74	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	191408	21.89	ng	-0.03
78) Terphenyl-d14	12.82	244	146007	12.86	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	16558	2.655	ng	# 70
25) Isophorone	7.29	82	122039	8.853	ng	# 67
49) Dimethylphthalate	9.48	163	24672	2.628	ng	96
50) 2,6-Dinitrotoluene	9.76	165	15635	8.343	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	15635	6.648	ng	# 34
74) Fluoranthene	12.44	202	34271	2.798	ng	97
83) Bis(2-ethylhexyl)phthalate	13.86	149	44502	5.409	ng	98
87) Benzo(b)fluoranthene	14.89	252	34364	2.941	ng	# 90
88) Benzo(k)fluoranthene	14.89	252	34364	3.130	ng	# 93

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

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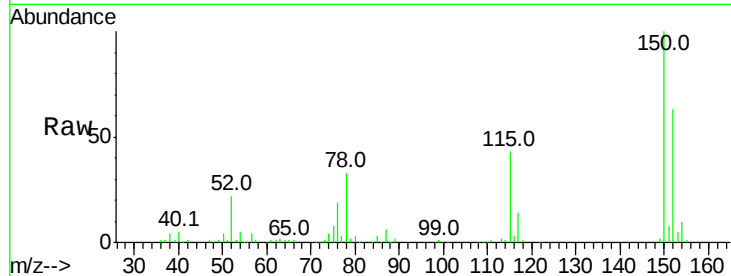


#1

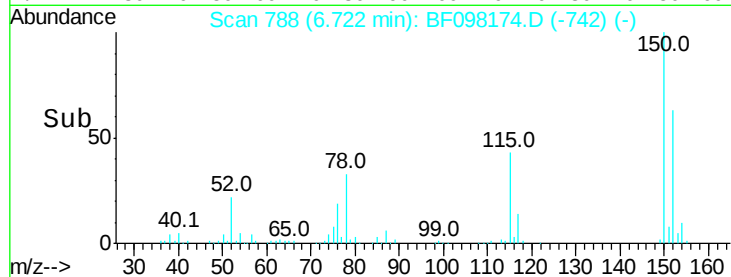
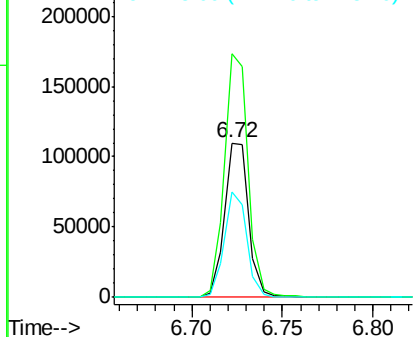
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.03 min
 Lab File: BF098174.D
 Acq: 30 Aug 2017 23:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 101982
 Ion Ratio Lower Upper
 152 100
 150 158.1 126.2 189.2
 115 68.4 52.2 78.2



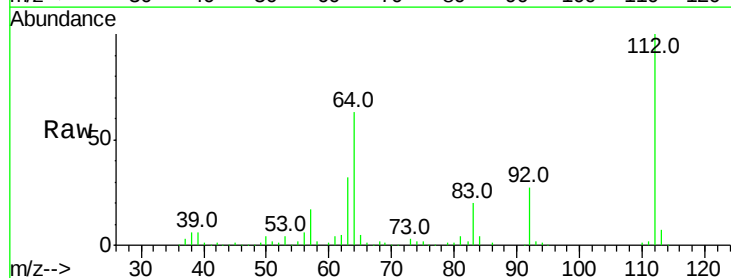
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



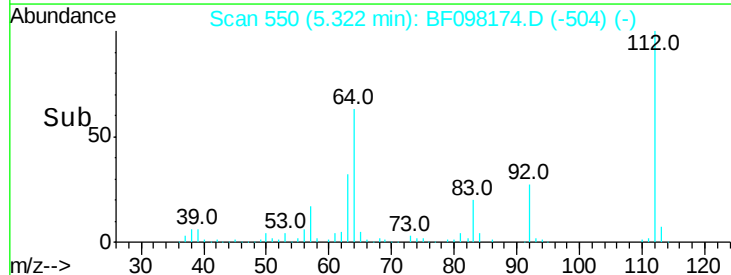
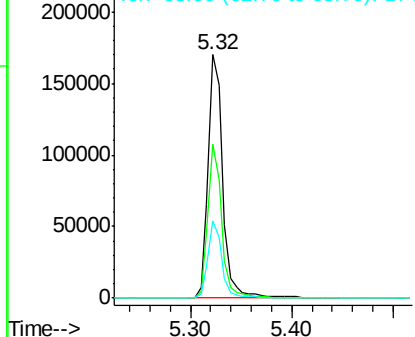
#5

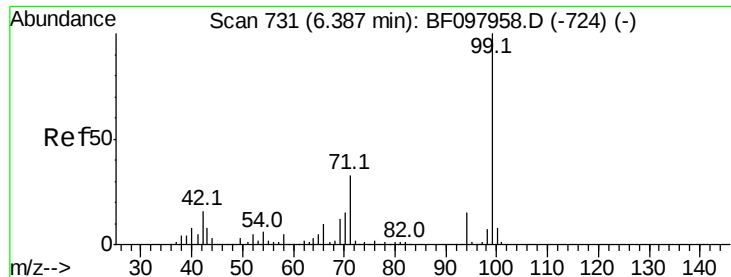
2-Fluorophenol
 Concen: 25.563 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.03 min
 Lab File: BF098174.D
 Acq: 30 Aug 2017 23:50

Tgt Ion:112 Resp: 171387
 Ion Ratio Lower Upper
 112 100
 64 63.2 46.0 69.0
 63 31.7 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: 24.586 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

Instrument :

BNA_F

ClientSampleId :

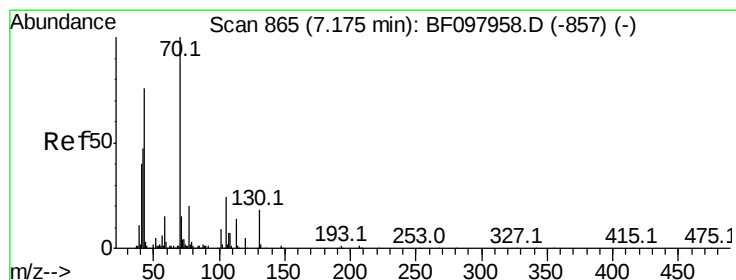
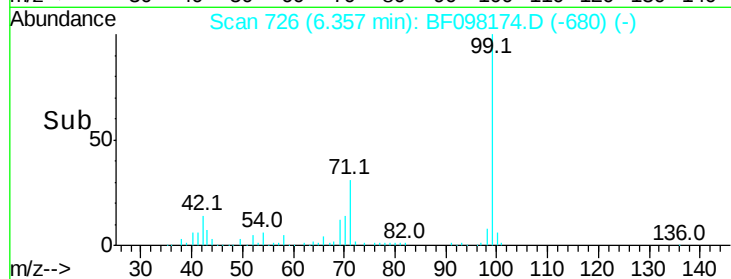
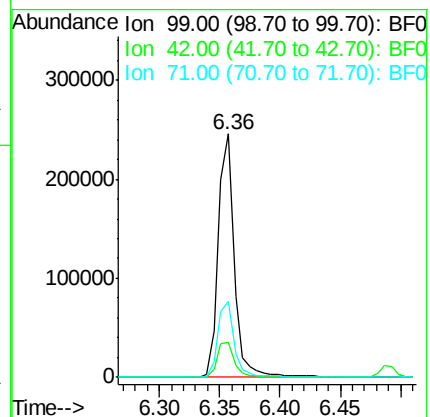
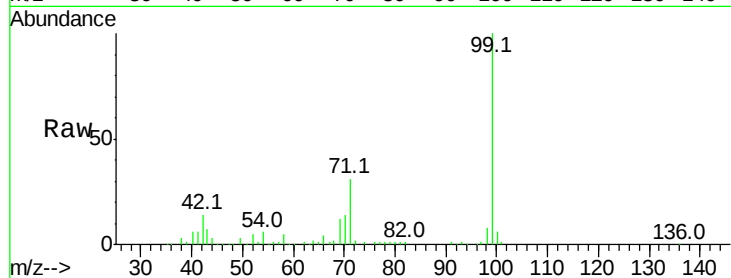
Tot Ion: 99 Resp: 223967

Ion Ratio Lower Upper

99 100

42 14.1 13.5 20.3

71 31.4 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.655 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

Tgt Ion: 70 Resp: 16558

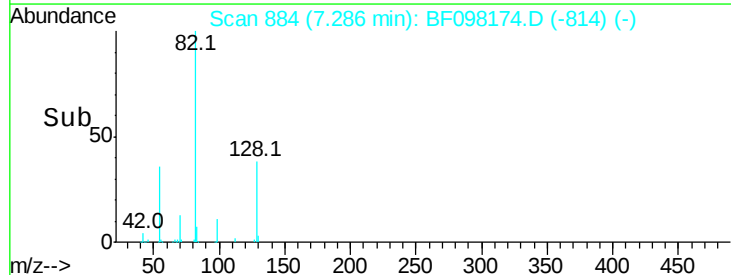
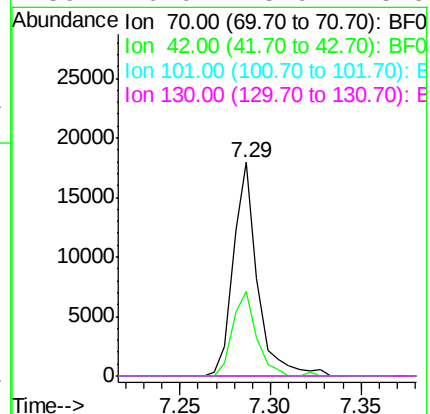
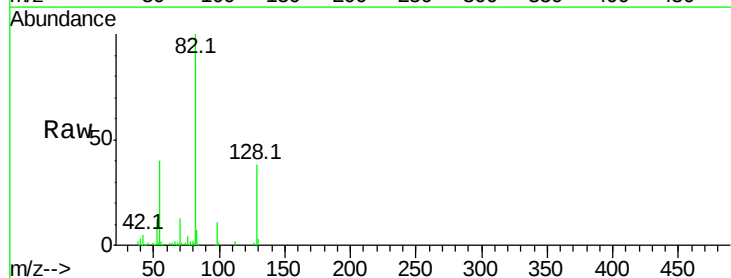
Ion Ratio Lower Upper

70 100

42 39.7 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

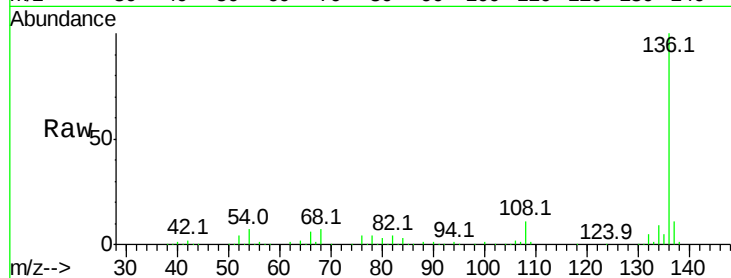




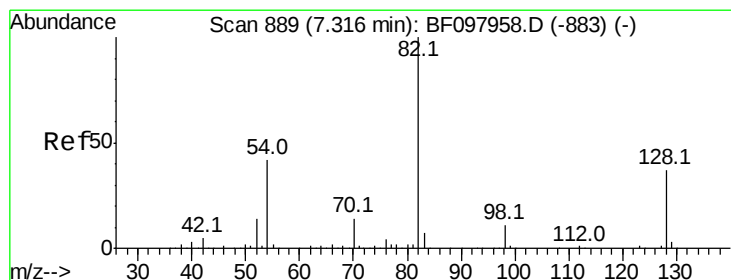
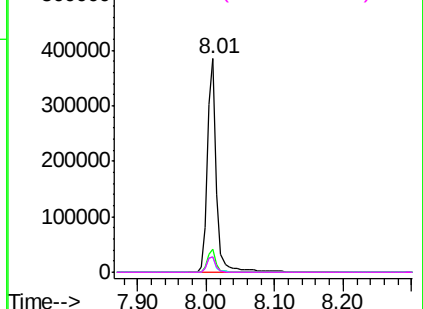
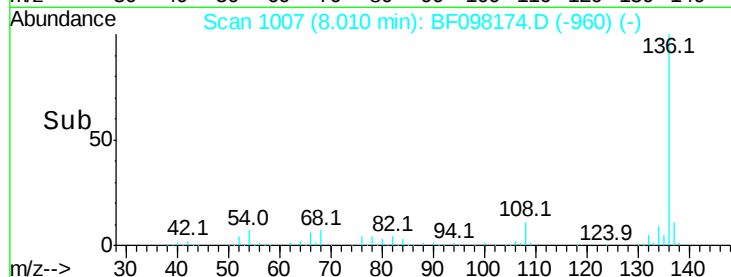
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098174.D
Acq: 30 Aug 2017 23:50

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	360126
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	7.2	4.9	7.3
68	7.1	4.1	6.1#

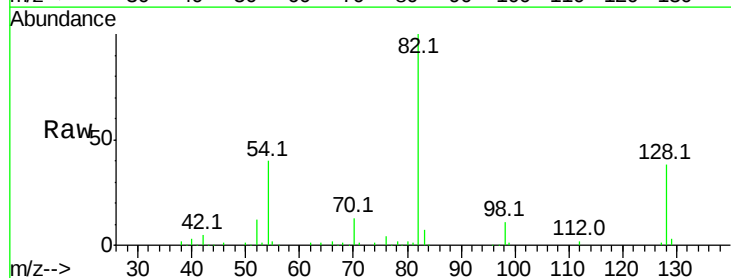


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

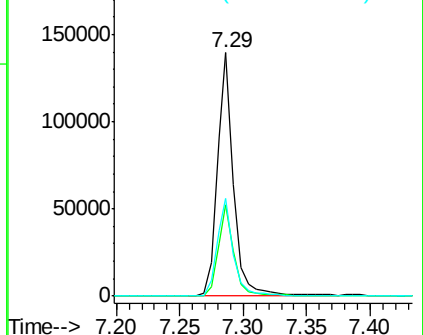
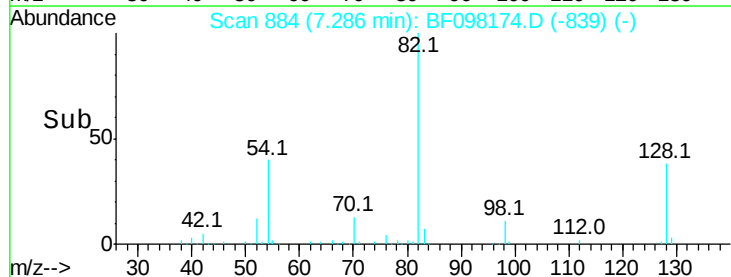


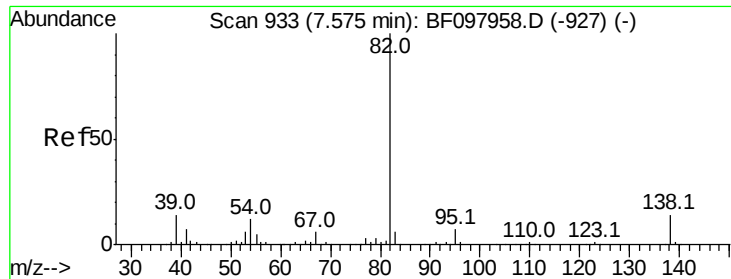
#23
Nitrobenzene-d5
Concen: 19.019 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098174.D
Acq: 30 Aug 2017 23:50

Tgt Ion:	82	Resp:	126078
Ion	Ratio	Lower	Upper
82	100		
128	37.7	34.0	51.0
54	39.9	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: 8.853 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

Instrument :

BNA_F

ClientSampleId :

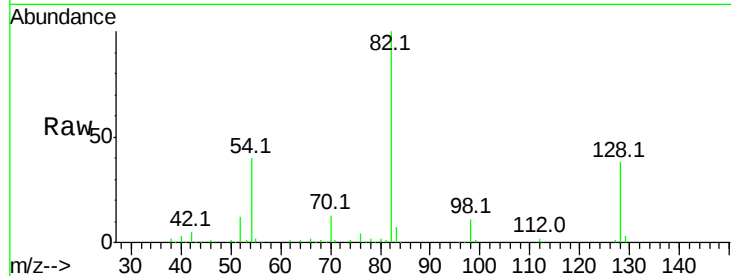
Tot Ion: 82 Resp: 122039

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

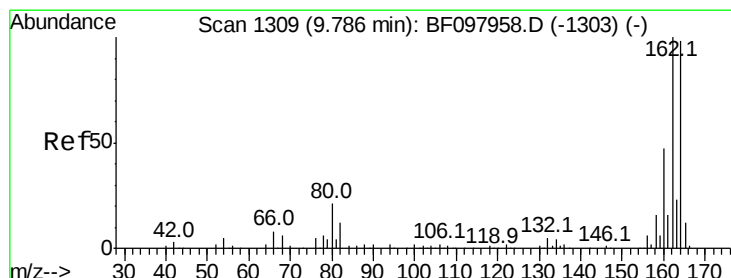
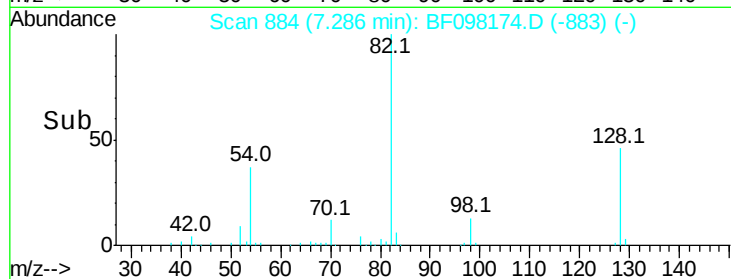
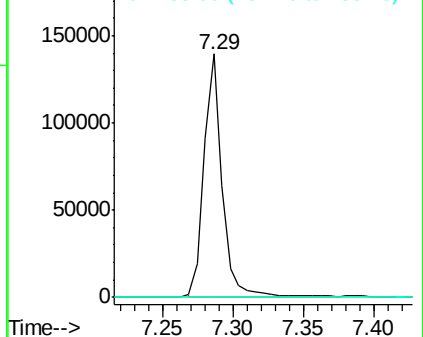
138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

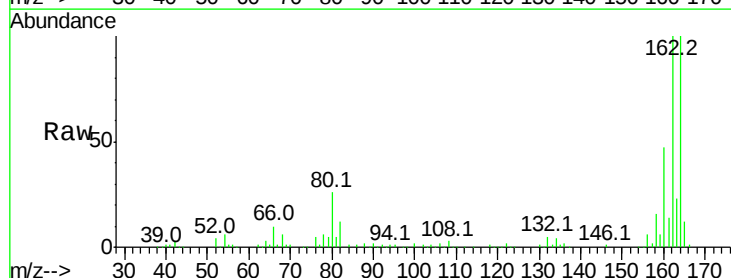
Tgt Ion:164 Resp: 128445

Ion Ratio Lower Upper

164 100

162 100.1 82.6 123.8

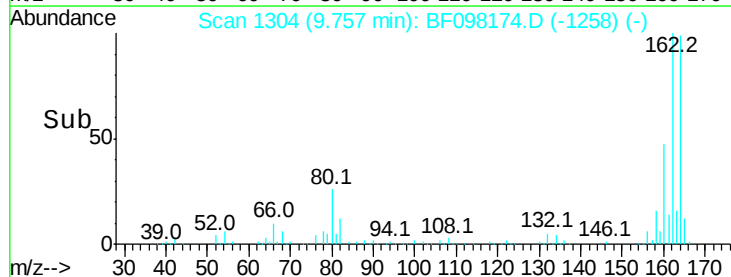
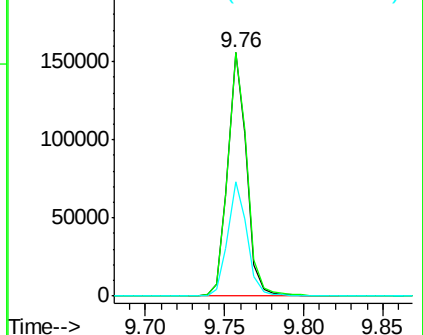
160 47.3 36.2 54.2



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

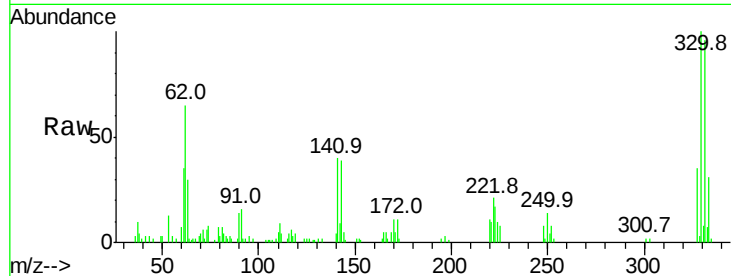




#41
 2,4,6-Tribromophenol
 Concen: 22.737 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098174.D
 Acq: 30 Aug 2017 23:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.6	115.0
141	44.6	31.4	47.2

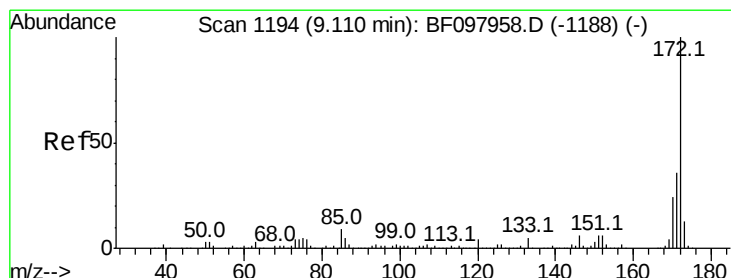
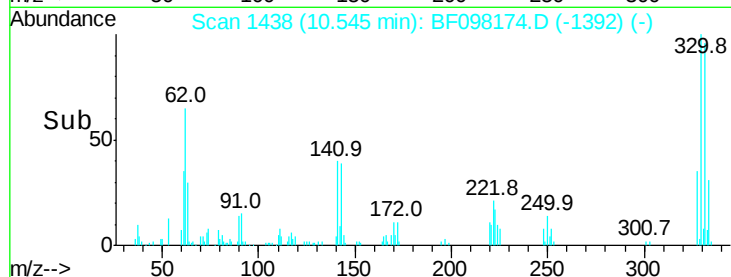
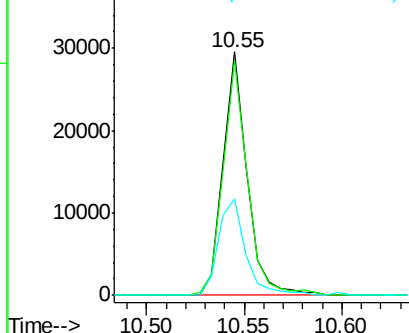


Abundance

Ion 329.80 (329.50 to 330.50): E

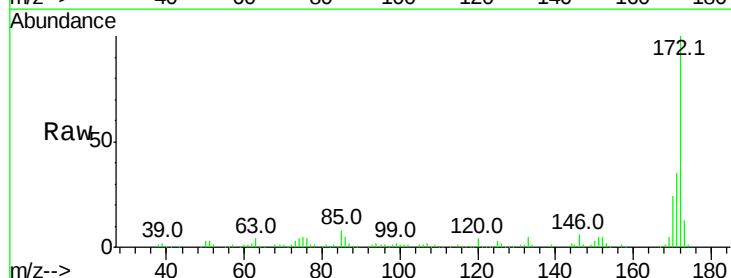
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 21.894 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098174.D
 Acq: 30 Aug 2017 23:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	23.6	19.8	29.8

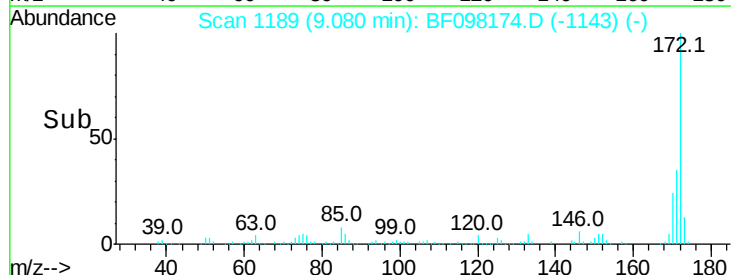
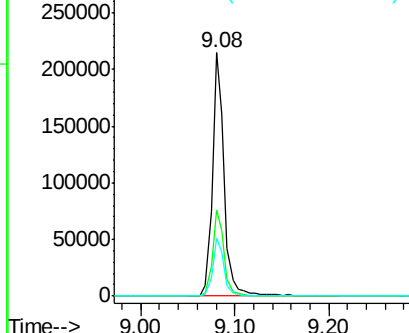


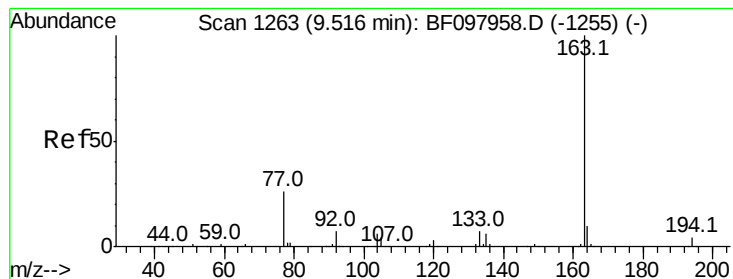
Abundance

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: 2.628 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.04 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

Instrument :

BNA_F

ClientSampleId :

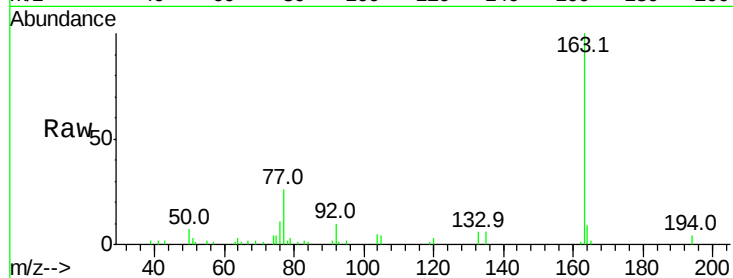
Tot Ion:163 Resp: 24672

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

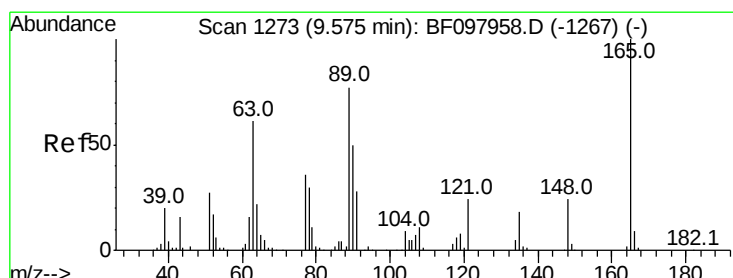
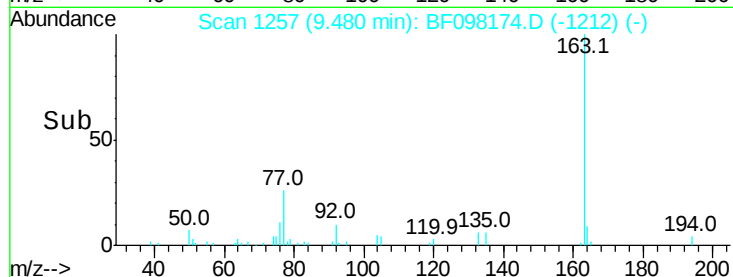
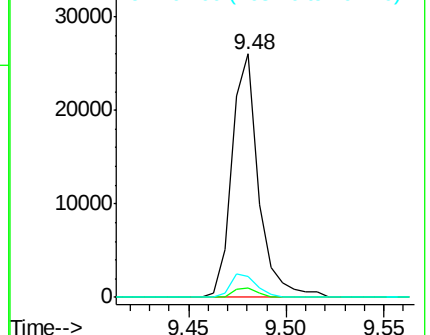
164 8.7 8.4 12.6



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: 8.343 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

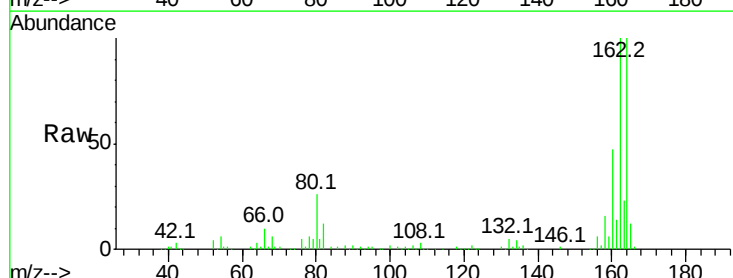
Tgt Ion:165 Resp: 15635

Ion Ratio Lower Upper

165 100

63 2.2 34.3 51.5#

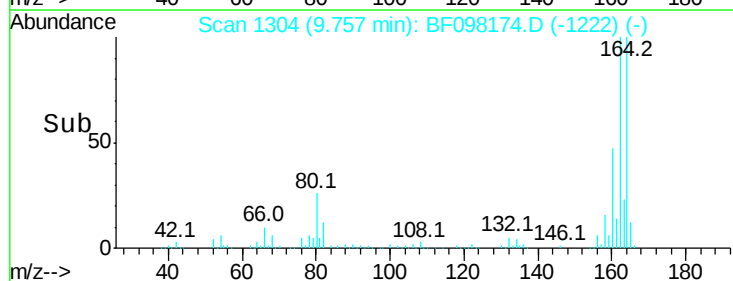
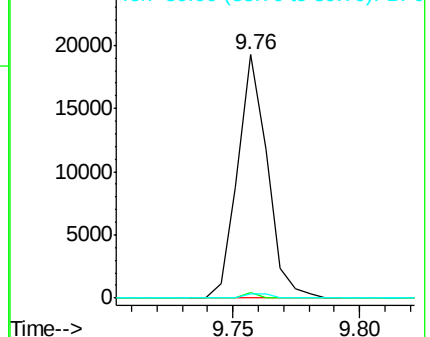
89 1.8 37.1 55.7#

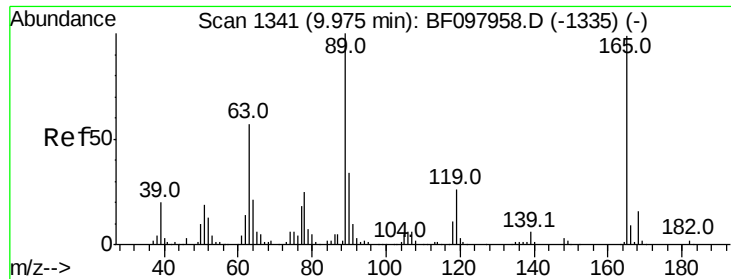


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

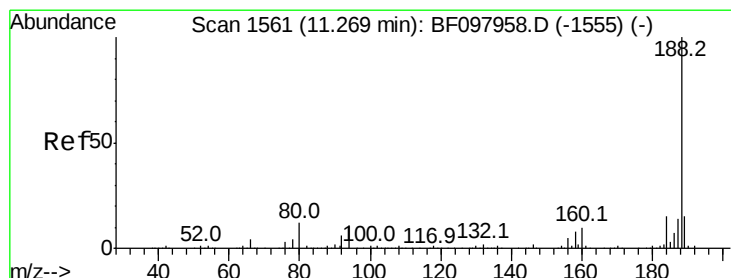
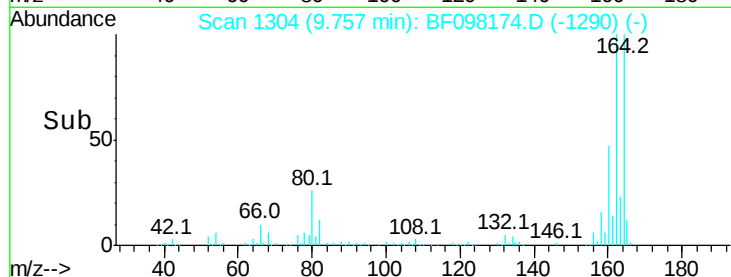
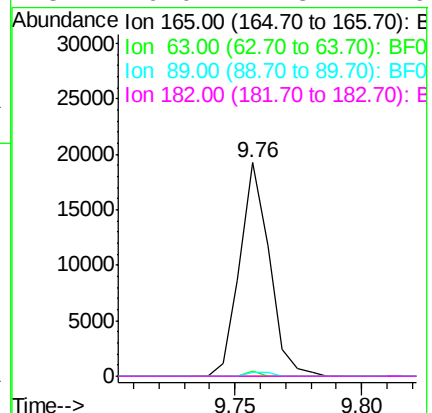
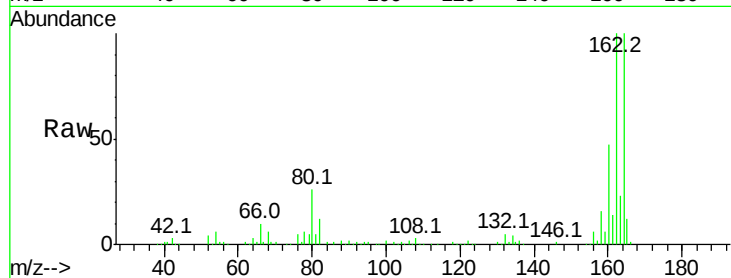




#56
 2,4-Dinitrotoluene
 Concen: 6.648 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF098174.D
 Acq: 30 Aug 2017 23:50

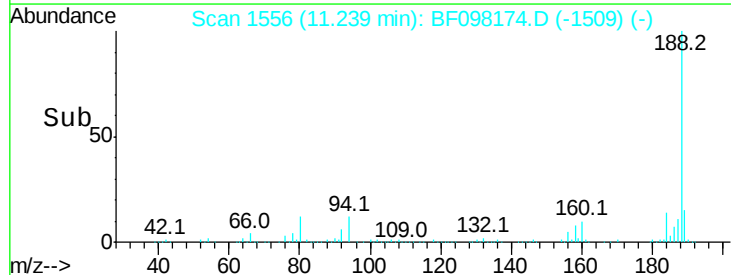
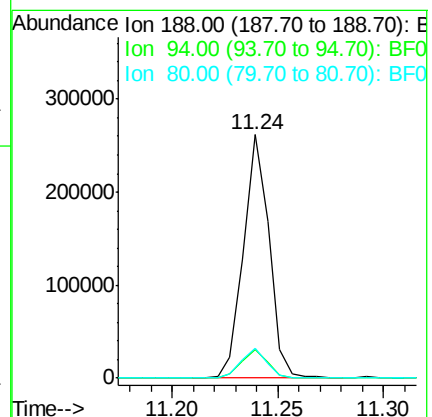
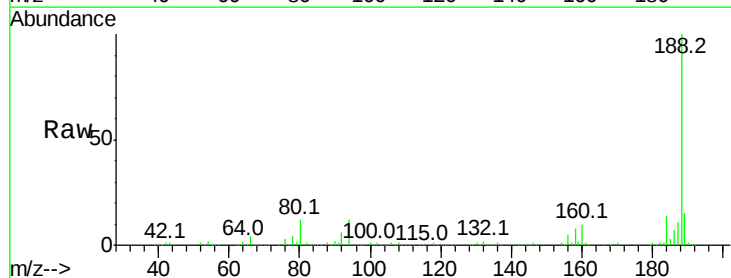
Instrument :
 BNA_F
 ClientSampleId :

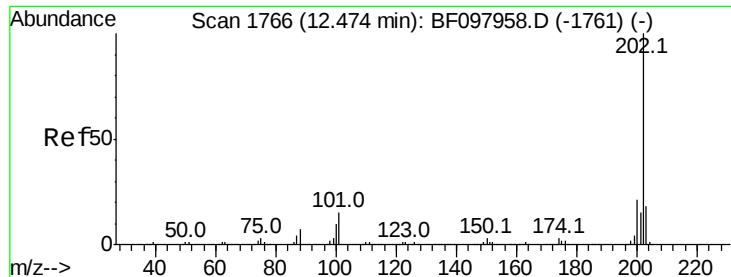
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	25.4	38.0#
89	1.8	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098174.D
 Acq: 30 Aug 2017 23:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	12.5	10.2	15.2





#74

Fluoranthene

Concen: 2.798 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

Instrument :

BNA_F

ClientSampleId :

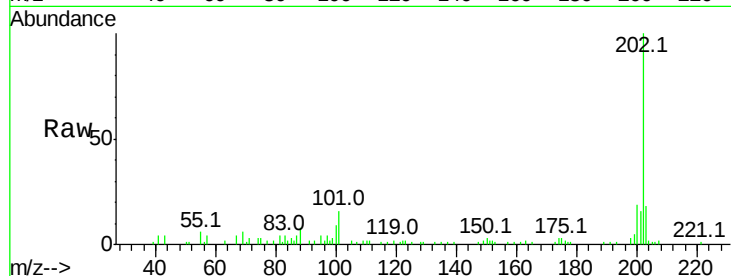
Tot Ion:202 Resp: 34271

Ion Ratio Lower Upper

202 100

101 15.5 0.0 33.2

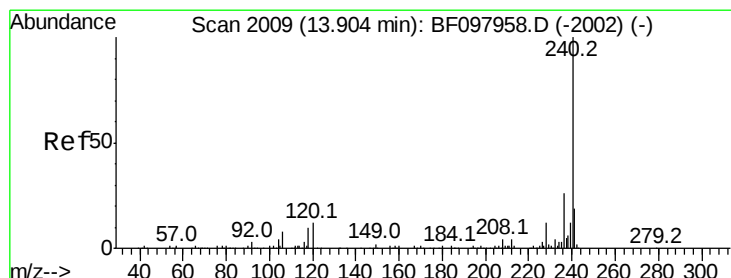
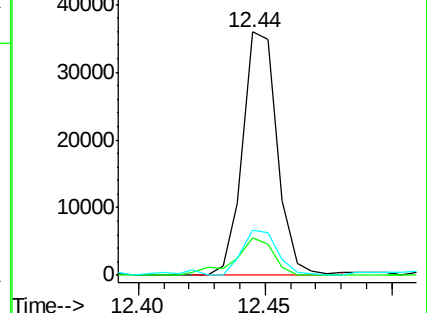
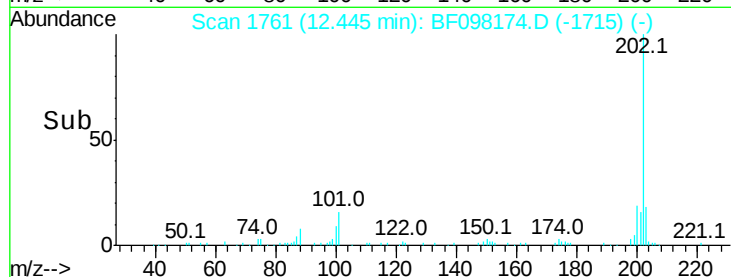
203 18.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

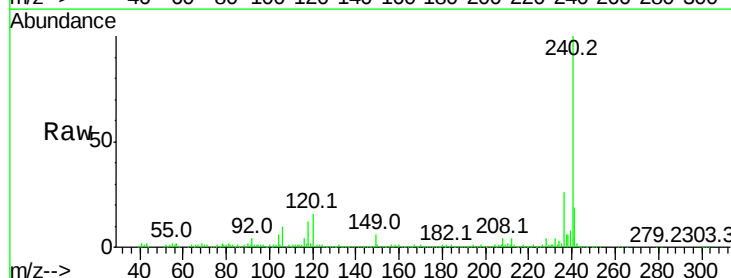
Tgt Ion:240 Resp: 236773

Ion Ratio Lower Upper

240 100

120 15.5 5.8 8.8#

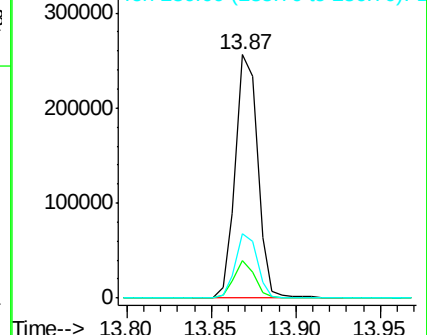
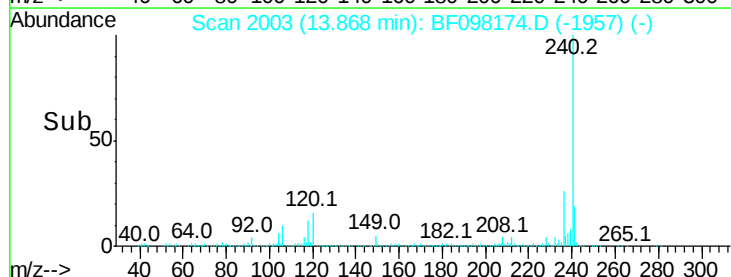
236 26.2 20.5 30.7

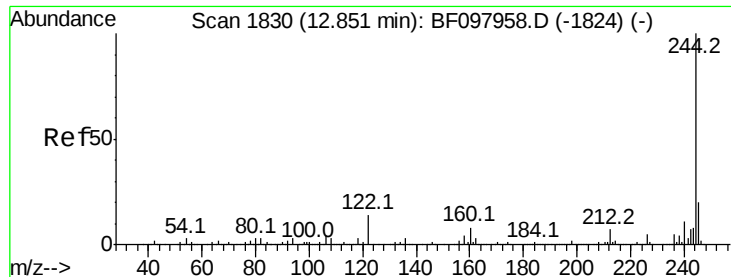


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 12.859 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

Instrument :

BNA_F

ClientSampleId :

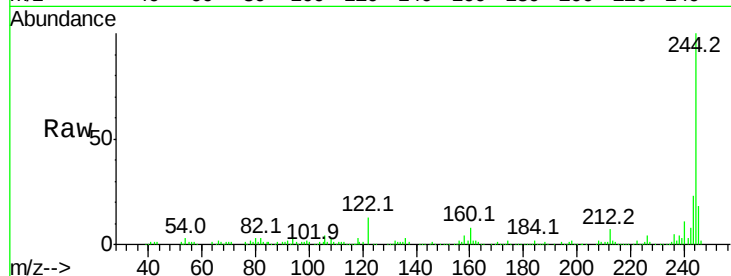
Tot Ion:244 Resp: 146007

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

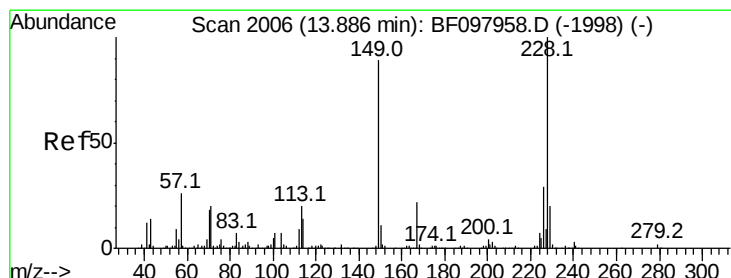
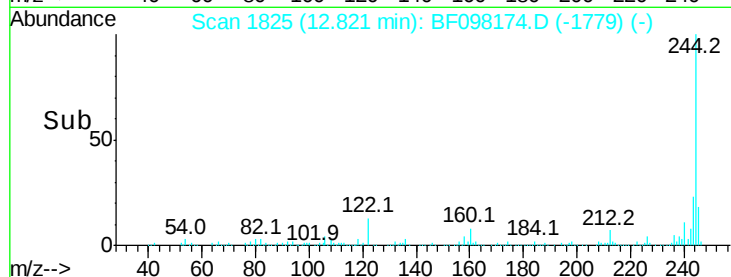
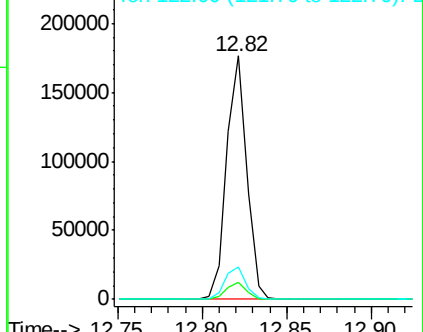
122 13.1 10.3 15.5



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 5.409 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.03 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

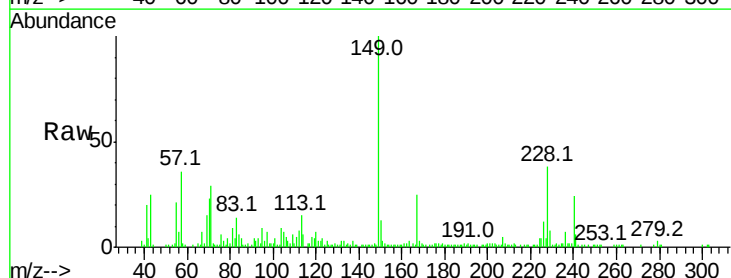
Tgt Ion:149 Resp: 44502

Ion Ratio Lower Upper

149 100

167 25.4 21.0 31.4

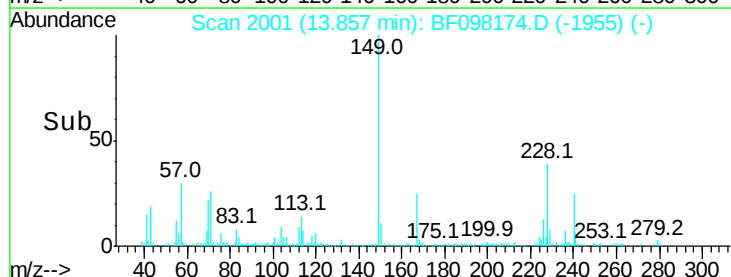
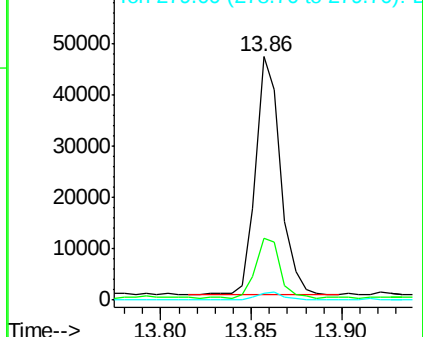
279 2.9 1.9 2.9

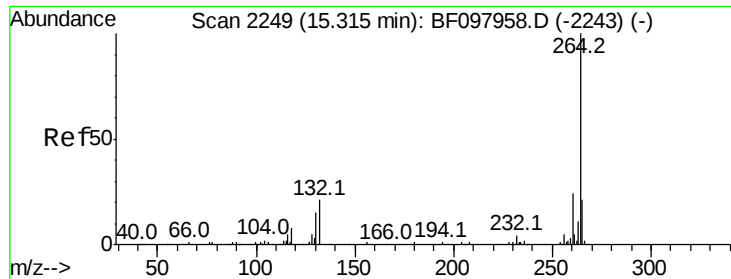


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

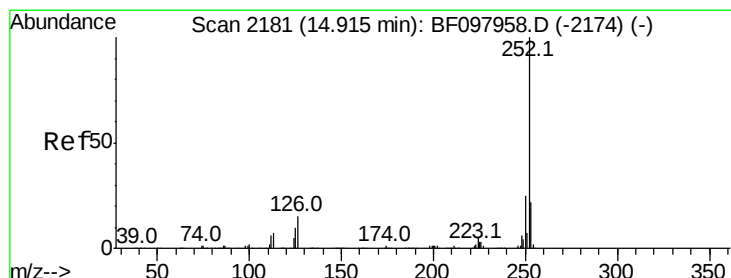
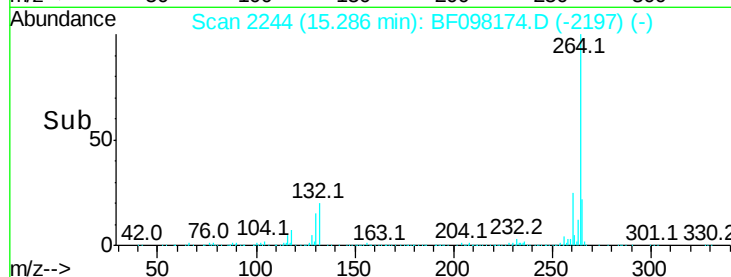
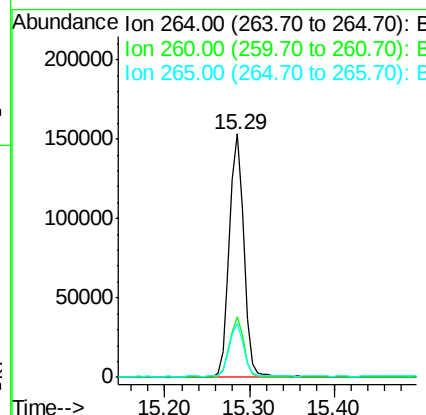
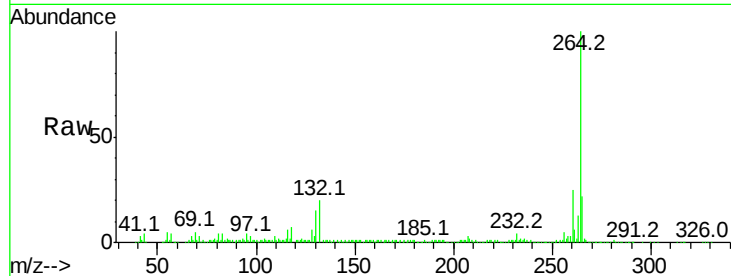




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BF098174.D
Acq: 30 Aug 2017 23:50

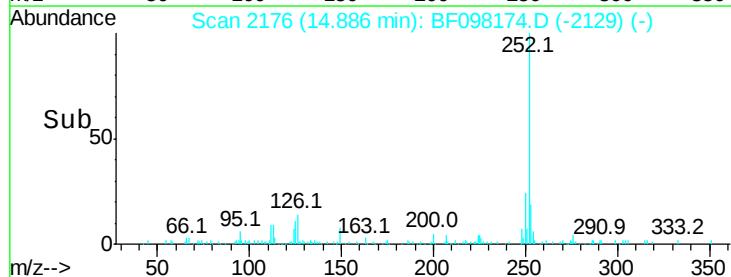
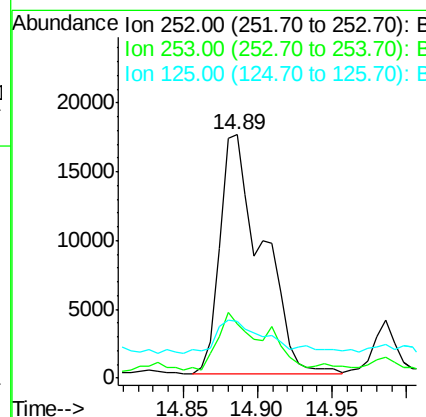
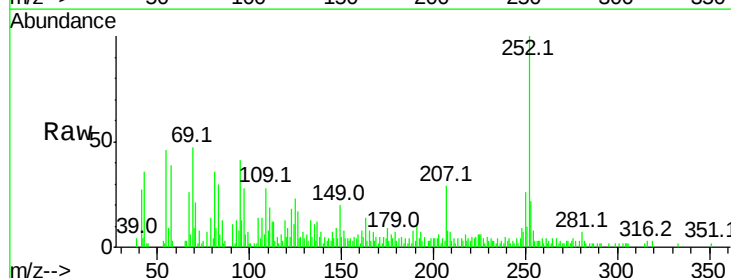
Instrument :
BNA_F
ClientSampleId :

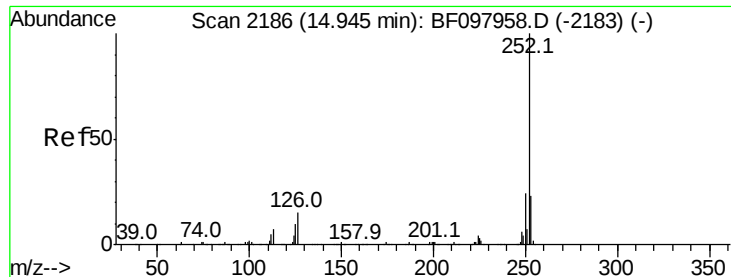
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.3	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.941 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF098174.D
Acq: 30 Aug 2017 23:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	23.1	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 3.130 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.05 min

Lab File: BF098174.D

Acq: 30 Aug 2017 23:50

Instrument :

BNA_F

ClientSampleId :

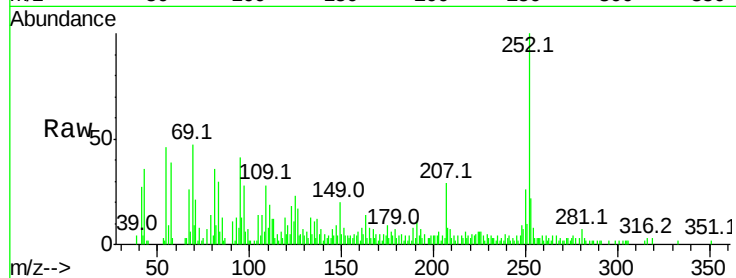
Tot Ion:252 Resp: 34364

Ion Ratio Lower Upper

252 100

253 22.3 18.4 27.6

125 23.1 13.1 19.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

