

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083117\
 Data File : BF098210.D
 Acq On : 31 Aug 2017 22:31
 Operator : SJ/JU
 Sample : I4963-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 01 01:54:05 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

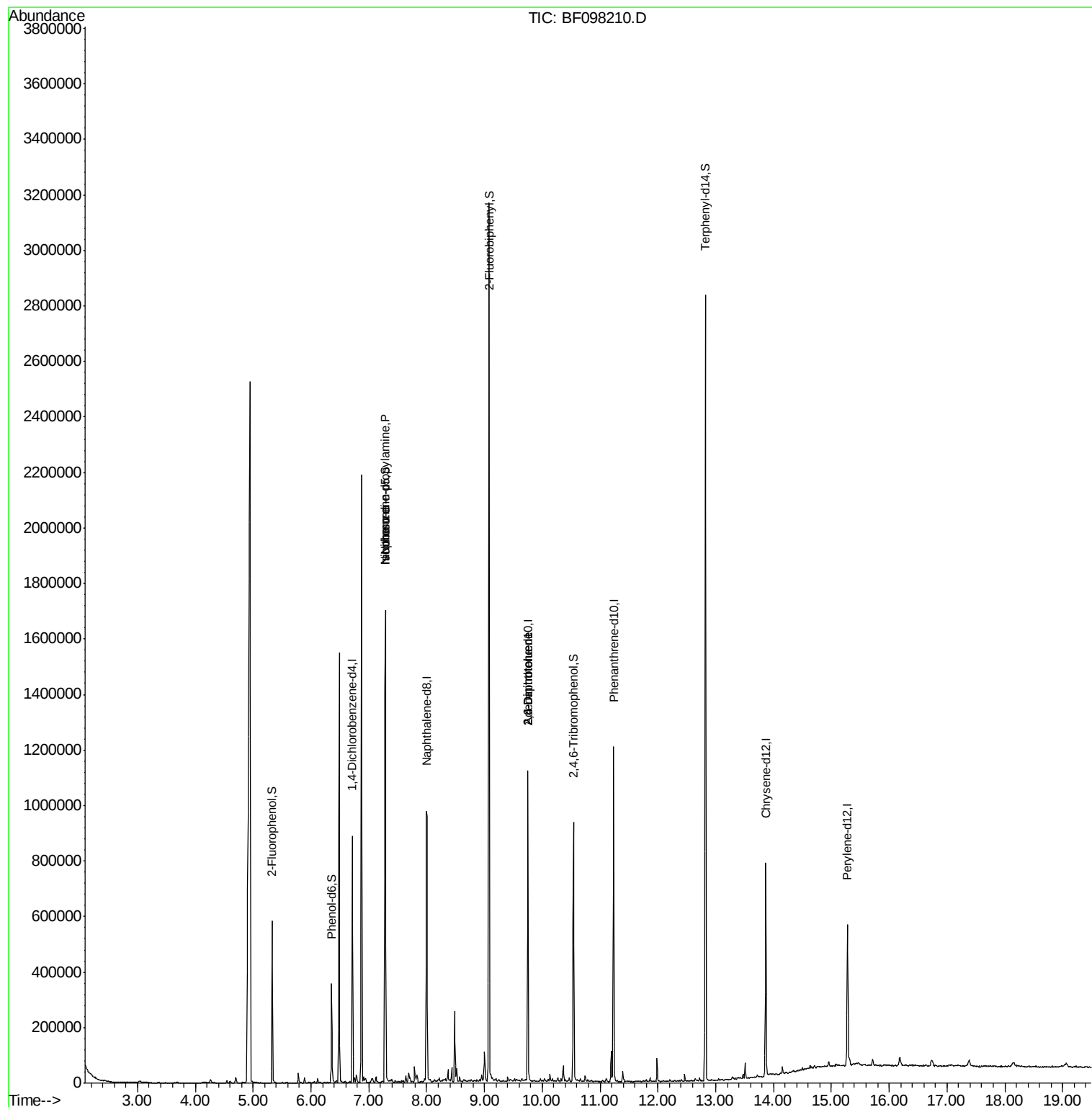
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116925	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	458498	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	209491	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	402748	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	269279	20.00	ng	-0.03
86) Perylene-d12	15.28	264	221634	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	157393	20.48	ng	-0.02
7) Phenol-d6	6.36	99	115254	11.03	ng	-0.03
23) Nitrobenzene-d5	7.29	82	604713	71.65	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	90892	50.00	ng	-0.04
44) 2-Fluorobiphenyl	9.08	172	997700	69.97	ng	-0.03
78) Terphenyl-d14	12.82	244	914690	70.83	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	80916	11.317	ng	# 69
25) Isophorone	7.29	82	594447	33.872	ng	# 68
50) 2,6-Dinitrotoluene	9.75	165	26290	8.601	ng	# 35
56) 2,4-Dinitrotoluene	9.75	165	26290	6.854	ng	# 34

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

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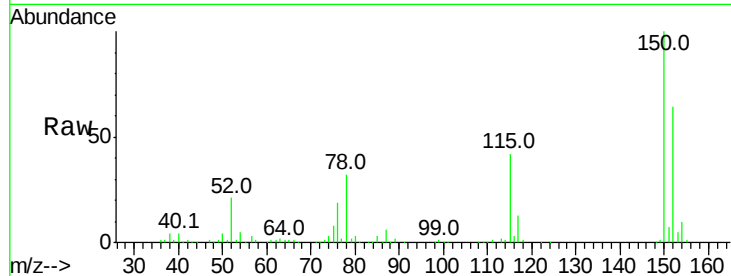


#1

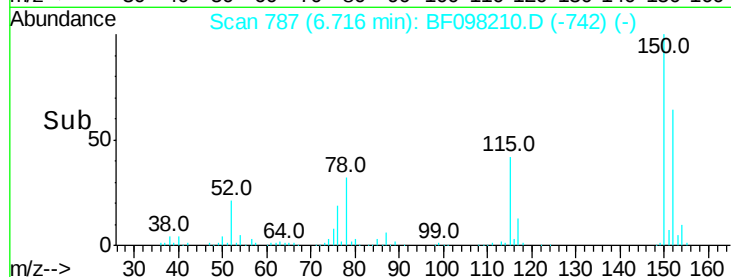
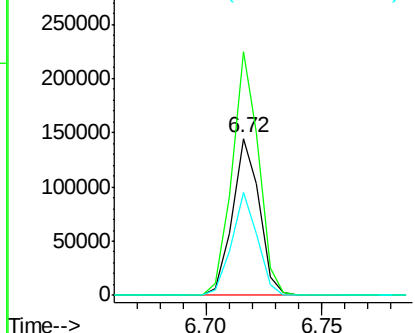
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.04 min
 Lab File: BF098210.D
 Acq: 31 Aug 2017 22:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 116925
 Ion Ratio Lower Upper
 152 100
 150 155.2 126.2 189.2
 115 65.6 52.2 78.2



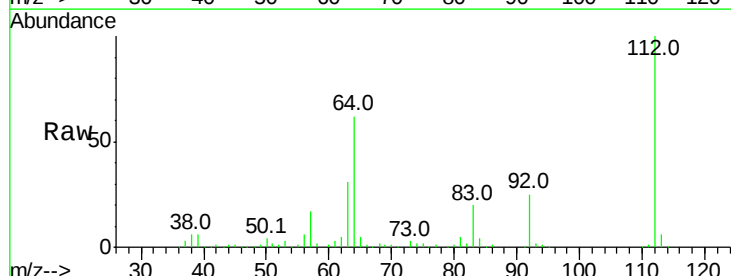
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



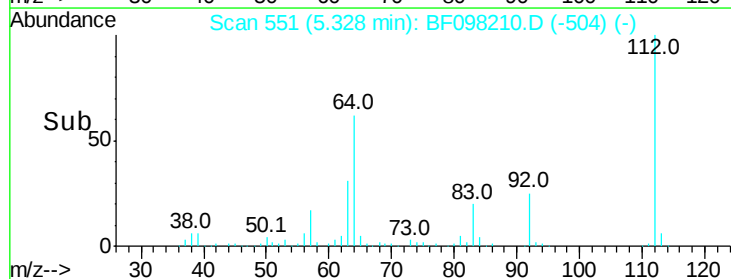
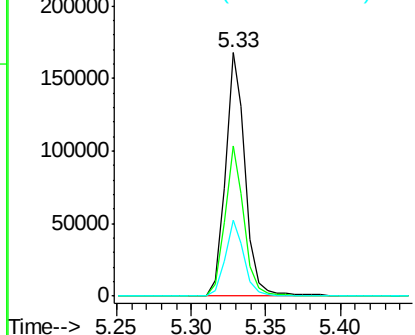
#5

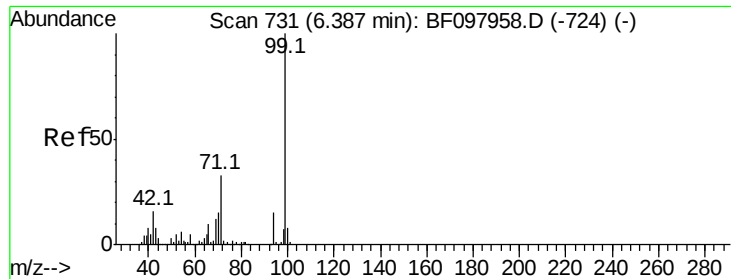
2-Fluorophenol
 Concen: 20.475 ng
 RT: 5.33 min Scan# 551
 Delta R.T. -0.02 min
 Lab File: BF098210.D
 Acq: 31 Aug 2017 22:31

Tgt Ion:112 Resp: 157393
 Ion Ratio Lower Upper
 112 100
 64 61.7 46.0 69.0
 63 31.0 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: 11.035 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

Instrument :

BNA_F

ClientSampleId :

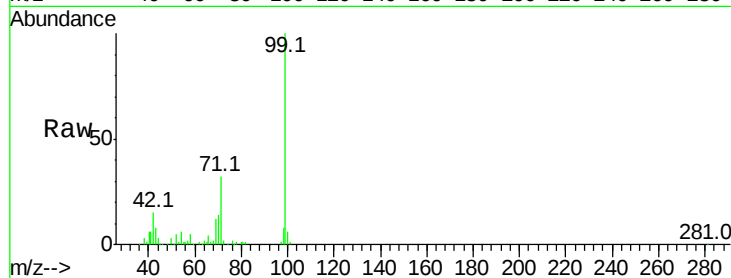
Tot Ion: 99 Resp: 115254

Ion Ratio Lower Upper

99 100

42 15.0 13.5 20.3

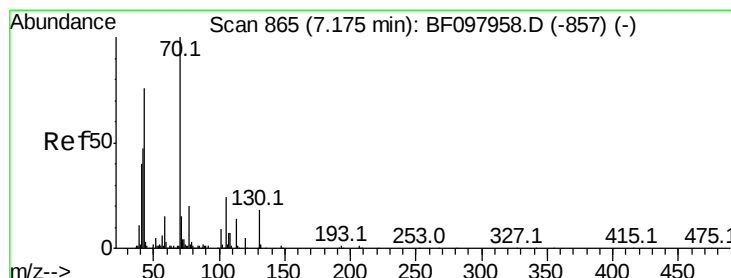
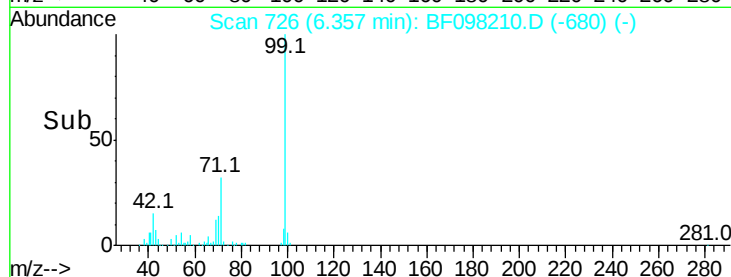
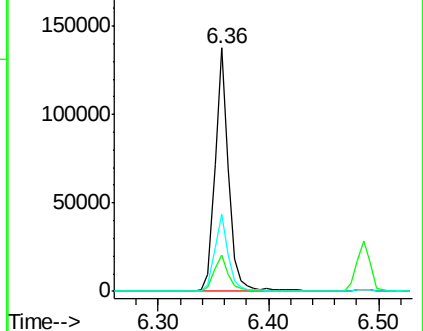
71 31.9 24.5 36.7



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: 11.317 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

Tgt Ion: 70 Resp: 80916

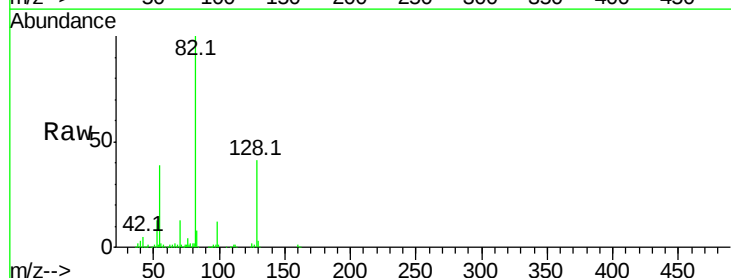
Ion Ratio Lower Upper

70 100

42 37.5 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

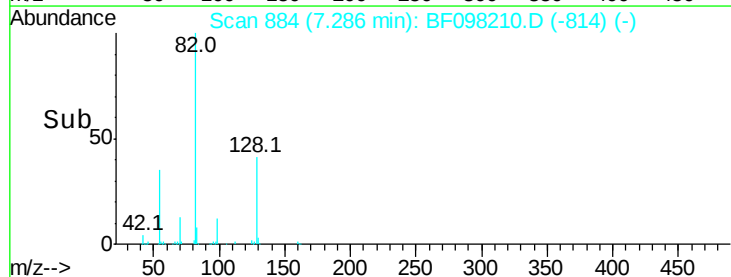
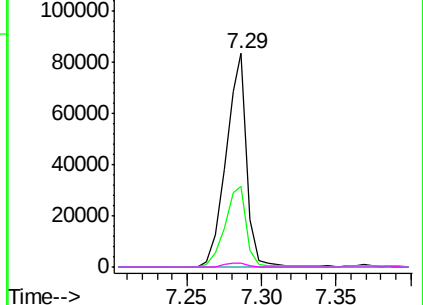


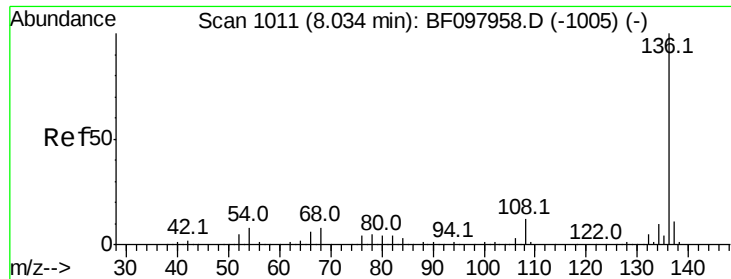
Abundance Ion 70.00 (69.70 to 70.70): BF0

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# 1006

Delta R.T. -0.03 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 458498

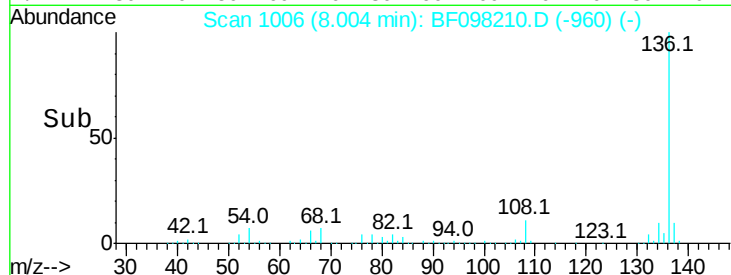
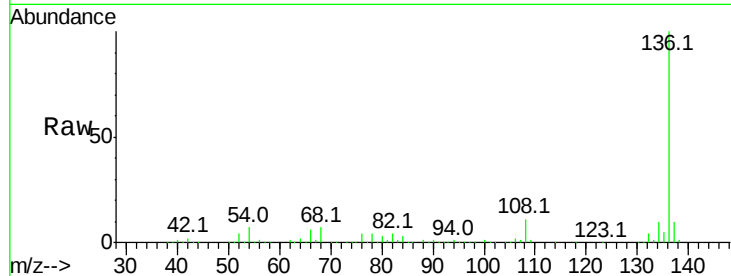
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.1 4.9 7.3

68 6.6 4.1 6.1#

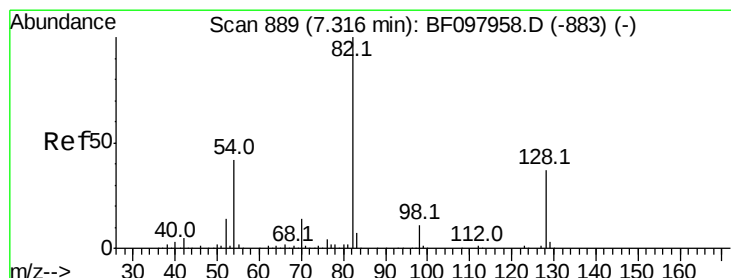
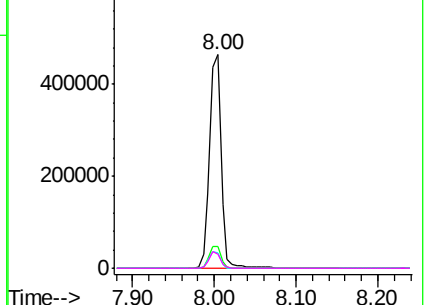


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.649 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

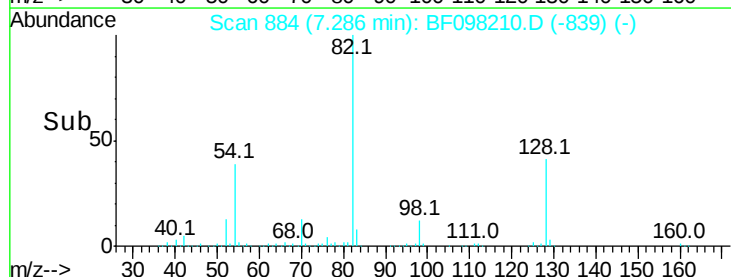
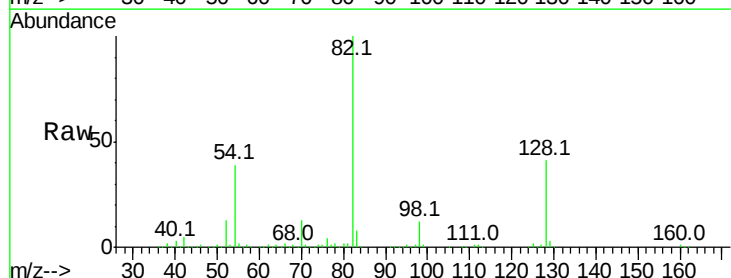
Tgt Ion: 82 Resp: 604713

Ion Ratio Lower Upper

82 100

128 40.7 34.0 51.0

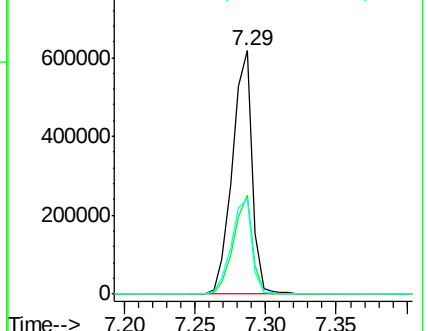
54 38.9 42.2 63.2#

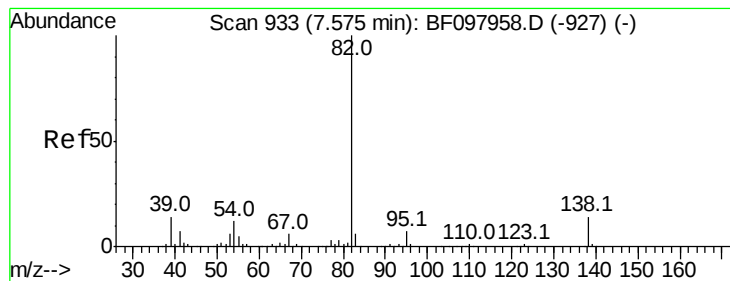


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 33.872 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

Instrument :

BNA_F

ClientSampleId :

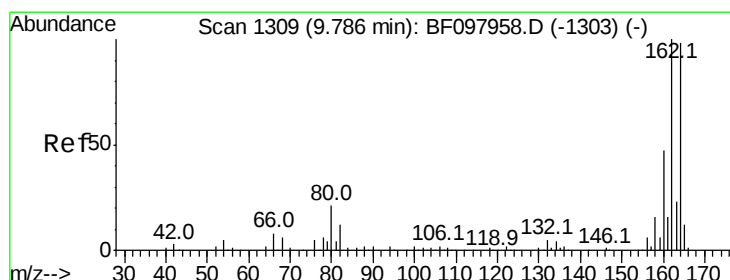
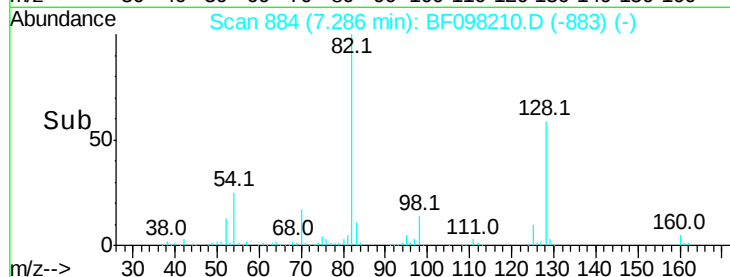
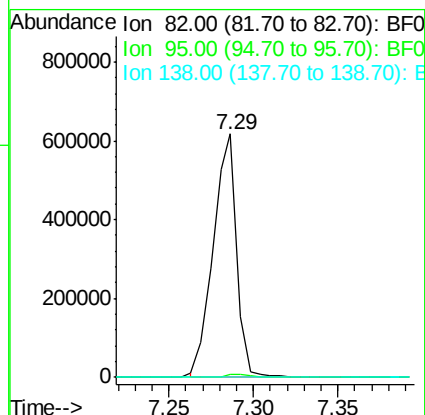
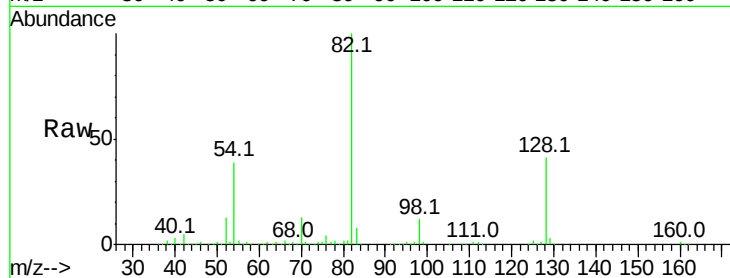
Tot Ion: 82 Resp: 594447

Ion Ratio Lower Upper

82 100

95 1.1 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: BF098210.D

Acq: 31 Aug 2017 22:31

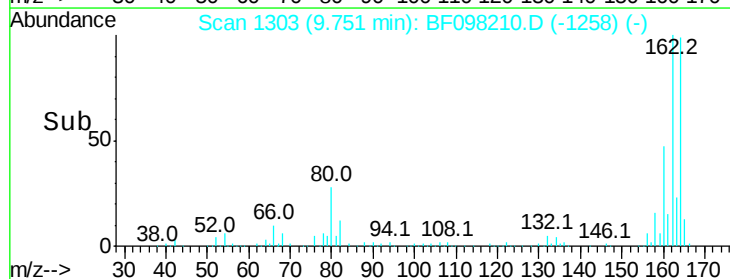
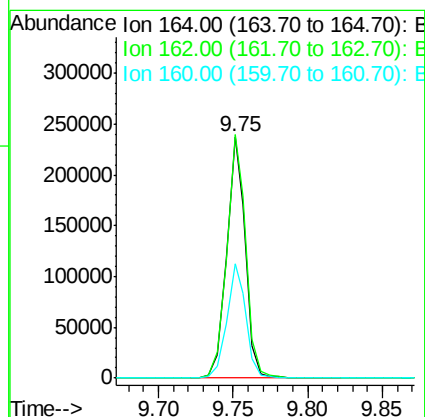
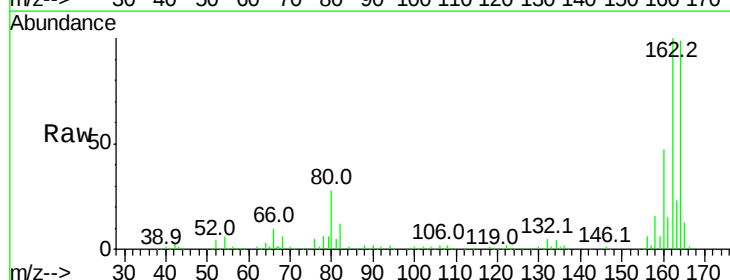
Tgt Ion: 164 Resp: 209491

Ion Ratio Lower Upper

164 100

162 101.0 82.6 123.8

160 47.6 36.2 54.2

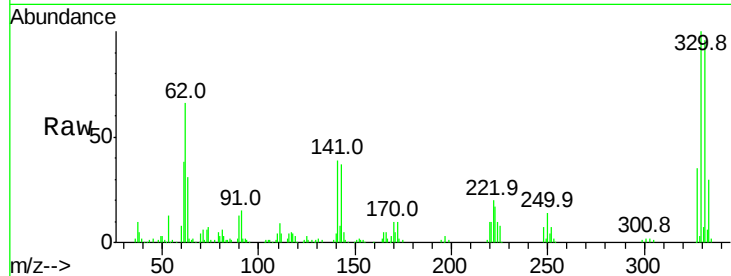




#41
 2,4,6-Tribromophenol
 Concen: 50.005 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.04 min
 Lab File: BF098210.D
 Acq: 31 Aug 2017 22:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	39.6	31.4	47.2

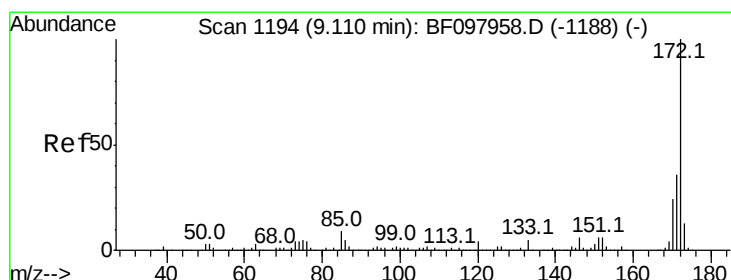
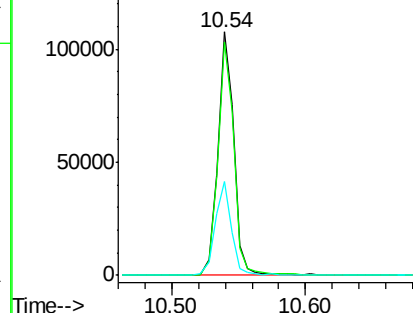
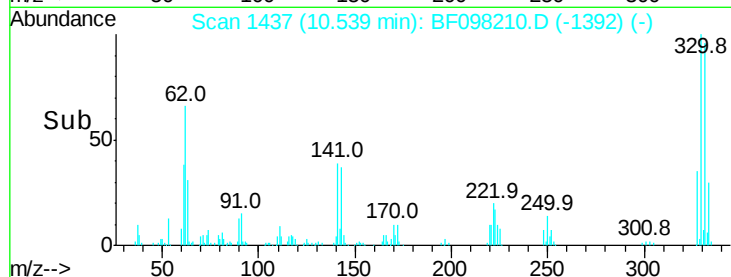


Abundance

Ion 329.80 (329.50 to 330.50): E

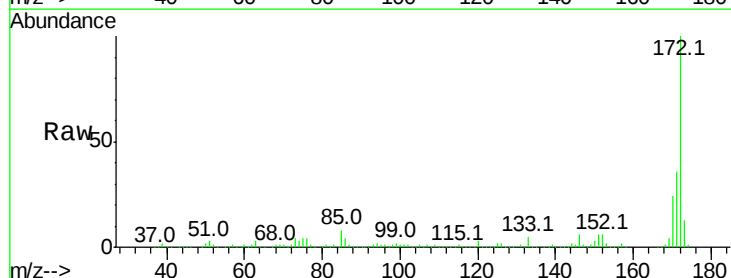
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 69.971 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098210.D
 Acq: 31 Aug 2017 22:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.1	19.8	29.8

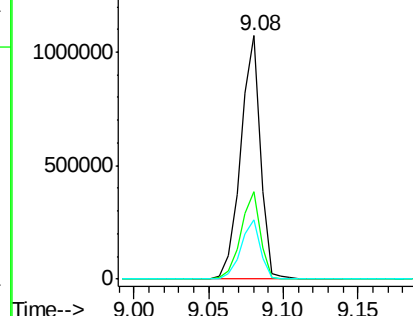
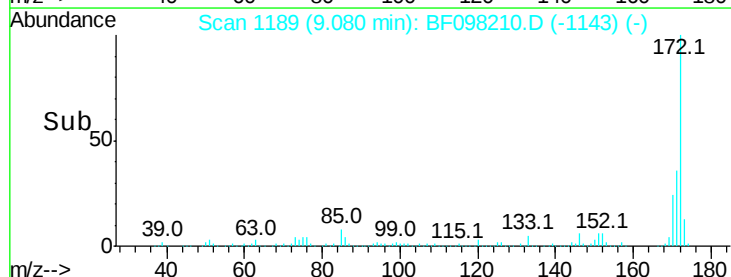


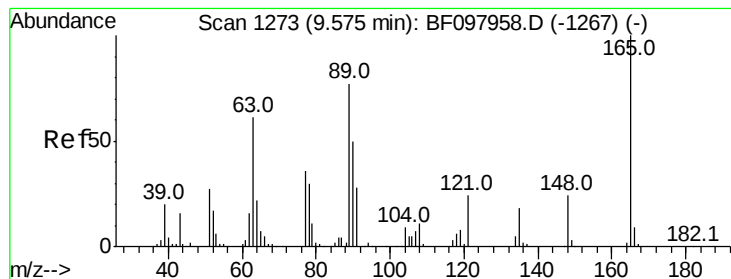
Abundance

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





#50

2,6-Dinitrotoluene

Concen: 8.601 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.18 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

Instrument :

BNA_F

ClientSampleId :

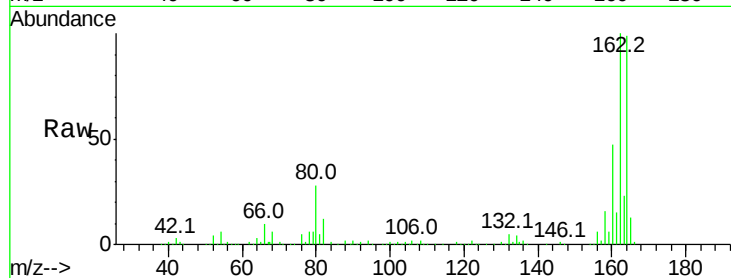
Tot Ion:165 Resp: 26290

Ion Ratio Lower Upper

165 100

63 1.7 34.3 51.5#

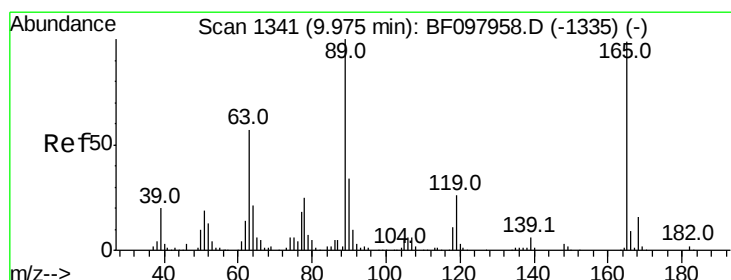
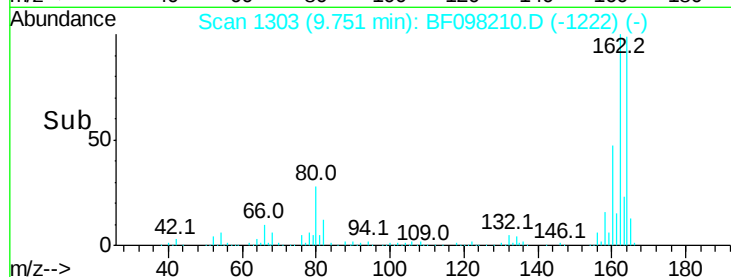
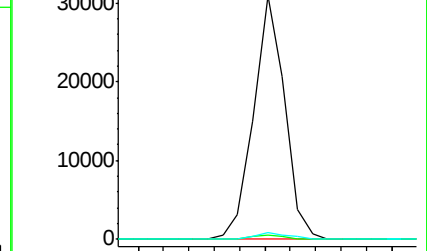
89 2.5 37.1 55.7#



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: 6.854 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.22 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

Tgt Ion:165 Resp: 26290

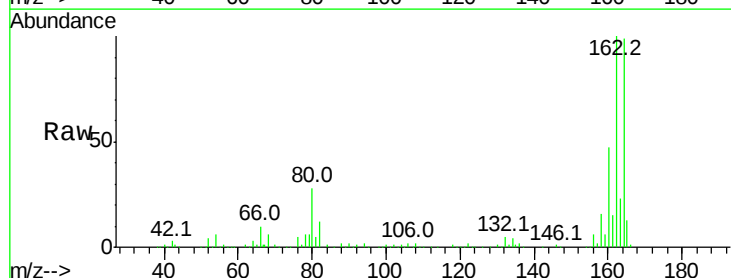
Ion Ratio Lower Upper

165 100

63 1.7 25.4 38.0#

89 2.5 46.4 69.6#

182 0.0 1.8 2.6#

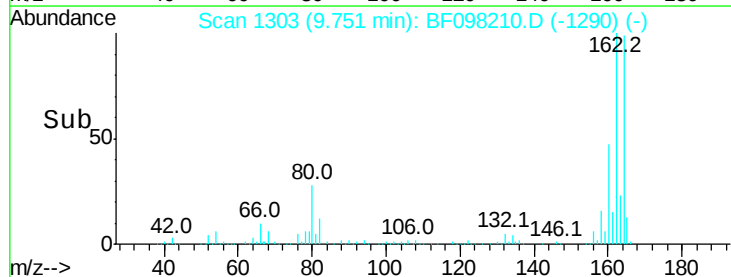
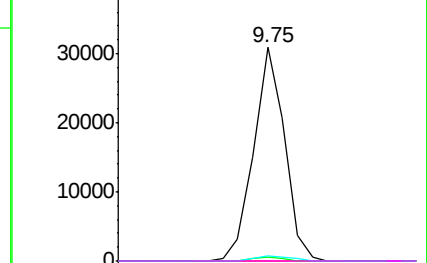


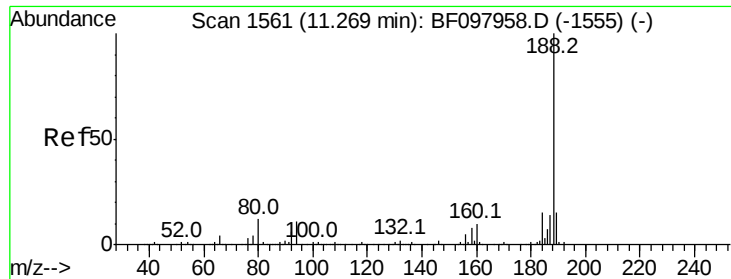
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.23 min Scan# 1555

Delta R.T. -0.03 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

Instrument :

BNA_F

ClientSampleId :

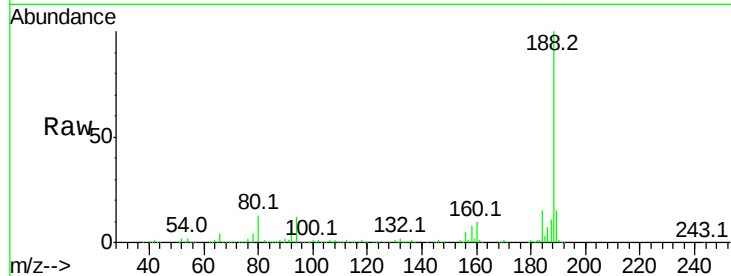
Tot Ion:188 Resp: 402748

Ion Ratio Lower Upper

188 100

94 12.2 9.4 14.2

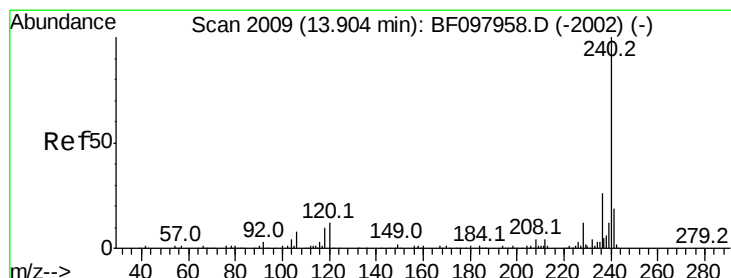
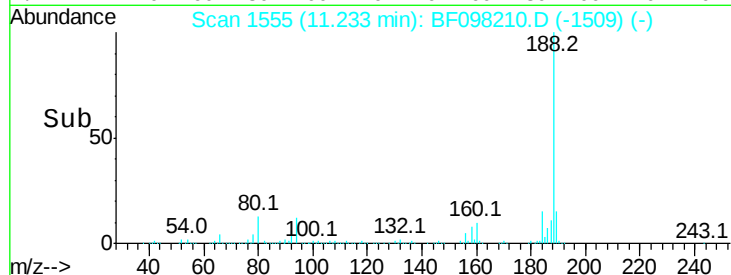
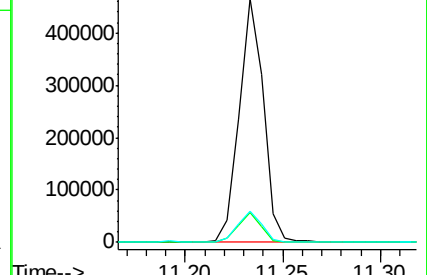
80 12.6 10.2 15.2



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BF098210.D

Acq: 31 Aug 2017 22:31

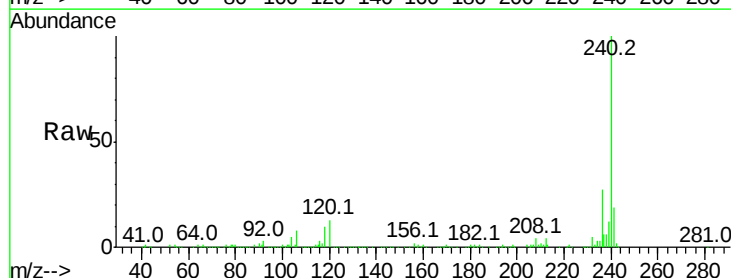
Tgt Ion:240 Resp: 269279

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

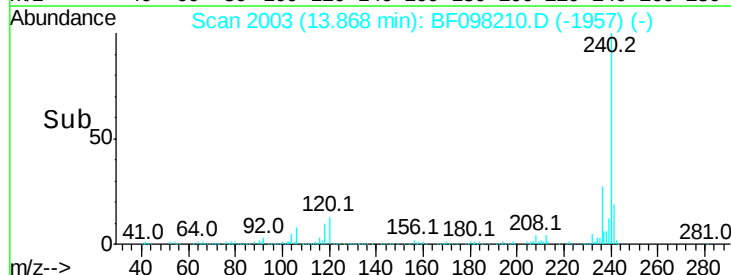
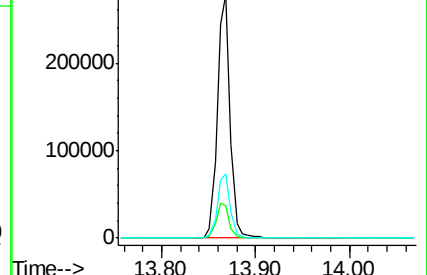
236 26.5 20.5 30.7

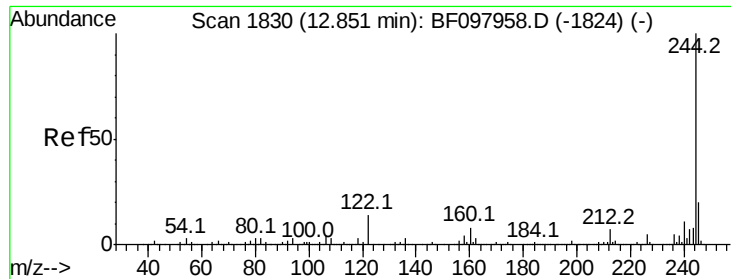


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

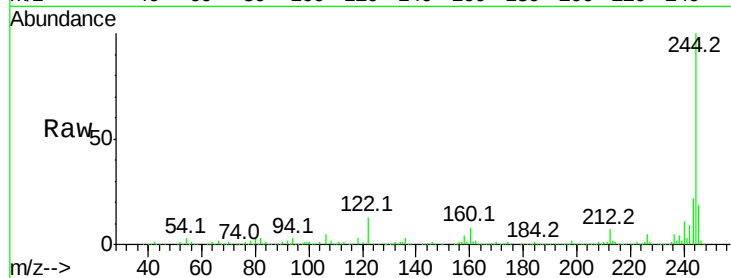




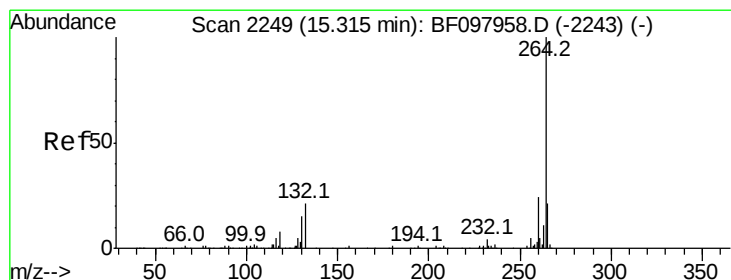
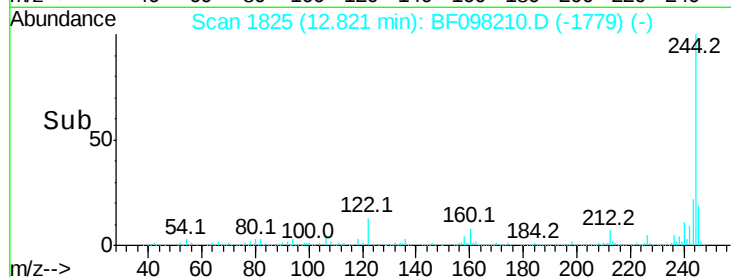
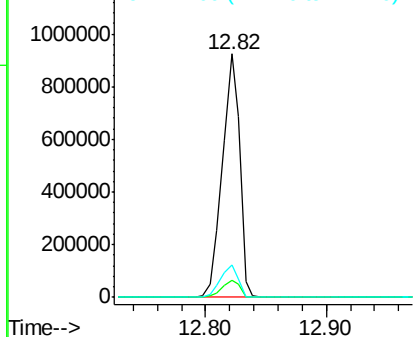
#78
 Terphenyl-d14
 Concen: 70.835 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.03 min
 Lab File: BF098210.D
 Acq: 31 Aug 2017 22:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 914690
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 13.4 10.3 15.5

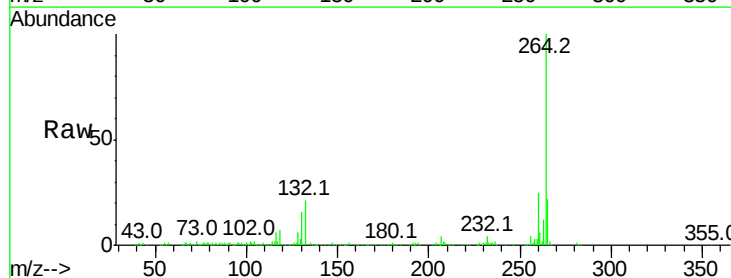


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.03 min
 Lab File: BF098210.D
 Acq: 31 Aug 2017 22:31

Tgt Ion:264 Resp: 221634
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.5 29.3
 265 21.6 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

