

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072717\
 Data File : BF097137.D
 Acq On : 27 Jul 2017 22:05
 Operator : SJ/JU
 Sample : I4424-04 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AU-06-072417-B

Quant Time: Jul 28 00:45:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

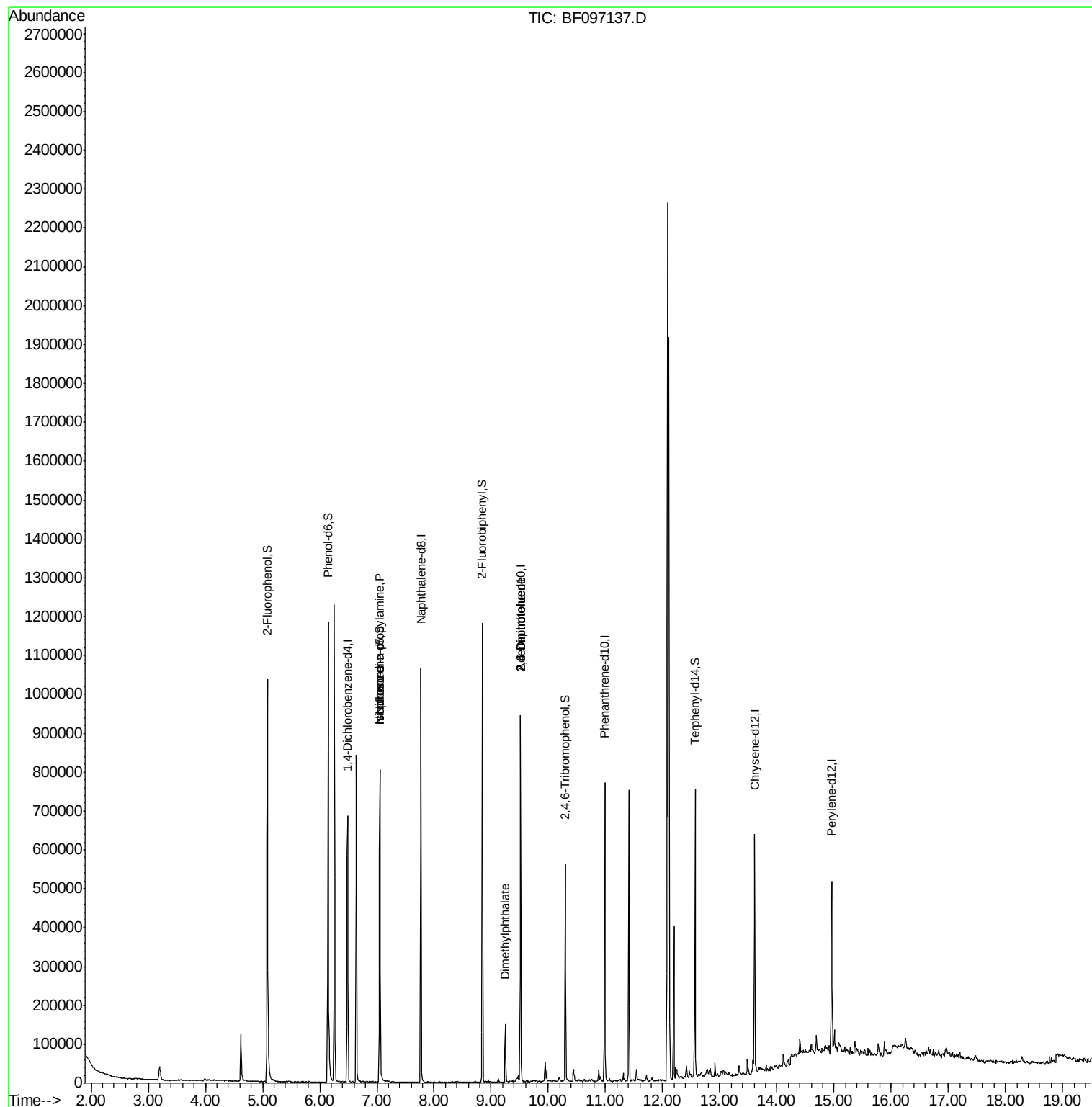
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	102598	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	439509	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	183697	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	253392	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	192098	20.00	ng	-0.02
86) Perylene-d12	14.96	264	169561	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	311474	45.77	ng	-0.02
7) Phenol-d6	6.15	99	391731	50.42	ng	-0.02
23) Nitrobenzene-d5	7.05	82	226844	30.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	56247	38.75	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	326198	30.14	ng	-0.02
78) Terphenyl-d14	12.57	244	202123	21.45	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.05	70	29310	5.73	ng	# 88
25) Isophorone	7.05	82	226355	15.43	ng	# 67
49) Dimethylphthalate	9.25	163	52746	3.78	ng	98
50) 2,6-Dinitrotoluene	9.51	165	23161	7.83	ng	# 31
56) 2,4-Dinitrotoluene	9.51	165	23161	6.81	ng	# 31

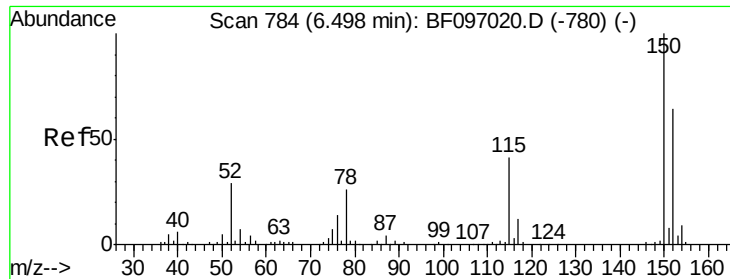
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 782

Delta R.T. -0.01 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-B

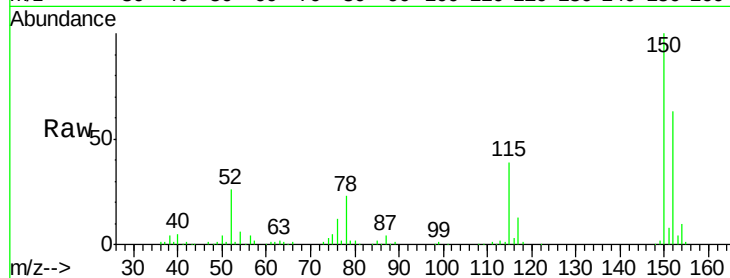
Tot Ion:152 Resp: 102598

Ion Ratio Lower Upper

152 100

150 159.2 126.2 189.2

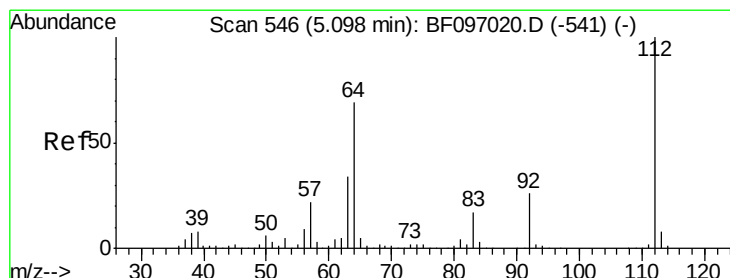
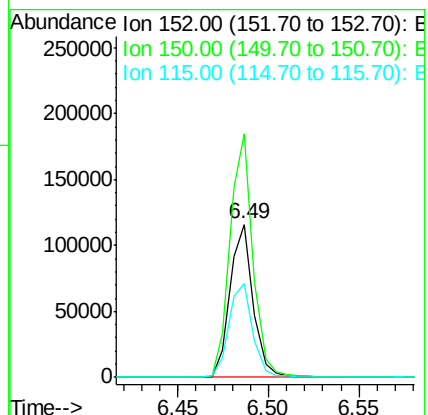
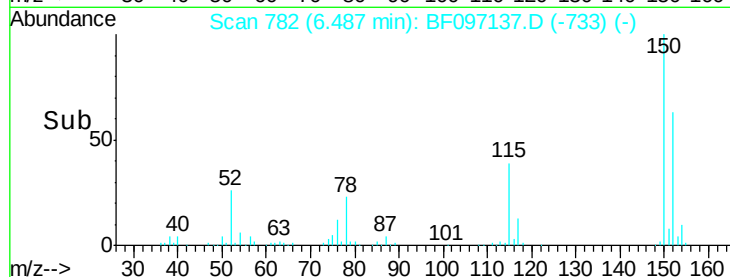
115 61.6 52.2 78.2



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: 45.77 ng

RT: 5.08 min Scan# 543

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

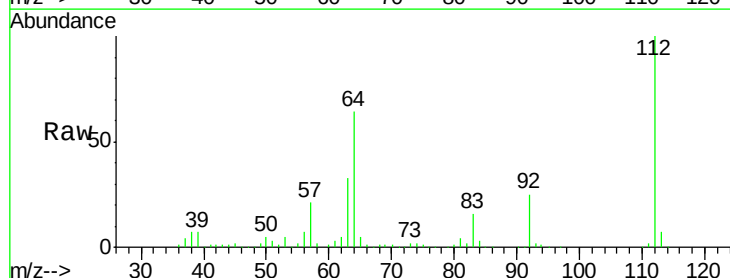
Tgt Ion:112 Resp: 311474

Ion Ratio Lower Upper

112 100

64 64.4 46.0 69.0

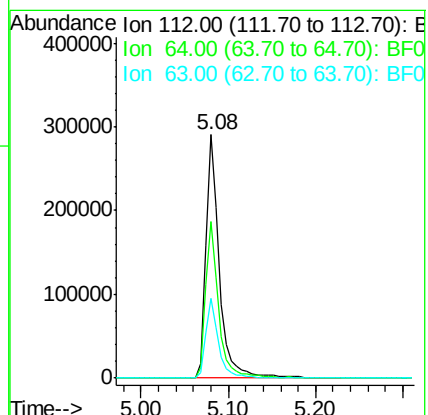
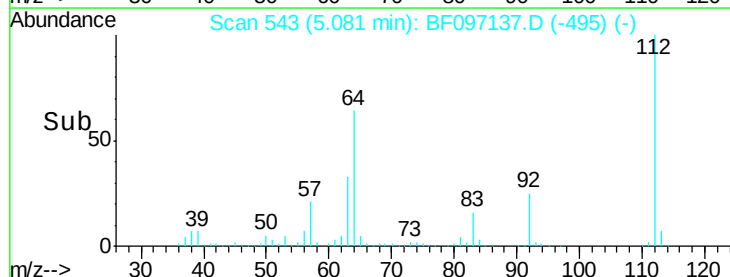
63 32.8 23.4 35.0

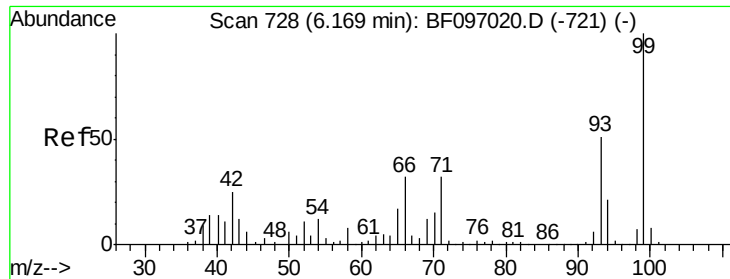


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.42 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-B

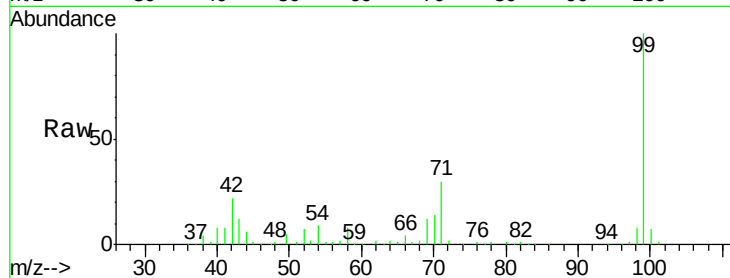
Tot Ion: 99 Resp: 391731

Ion Ratio Lower Upper

99 100

42 21.6 13.5 20.3#

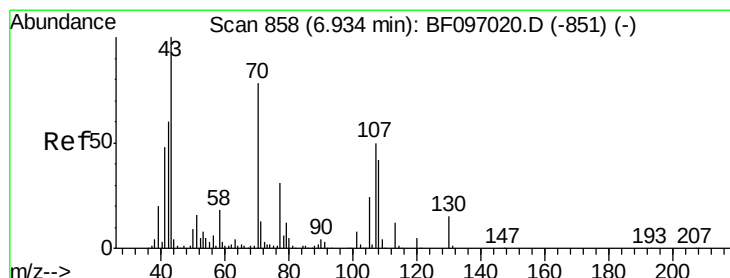
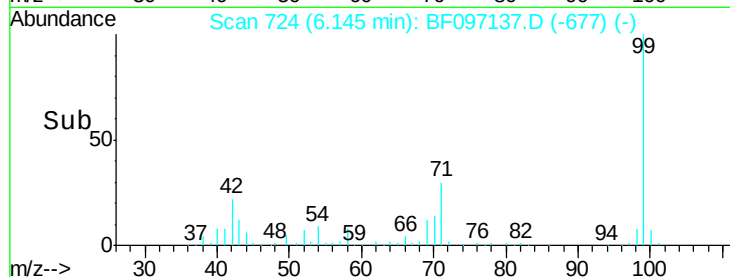
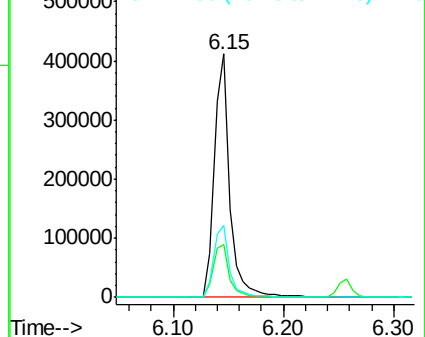
71 29.8 24.5 36.7



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: 5.73 ng

RT: 7.05 min Scan# 878

Delta R.T. 0.12 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Tgt Ion: 70 Resp: 29310

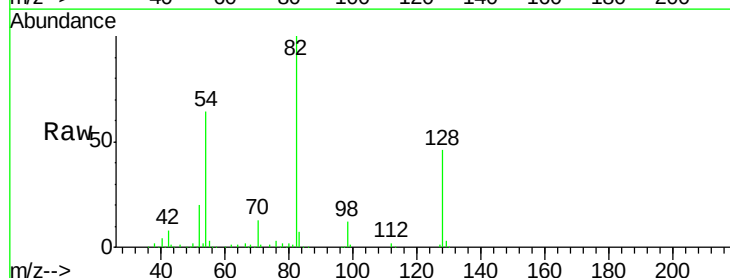
Ion Ratio Lower Upper

70 100

42 58.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.6 15.9 23.9#

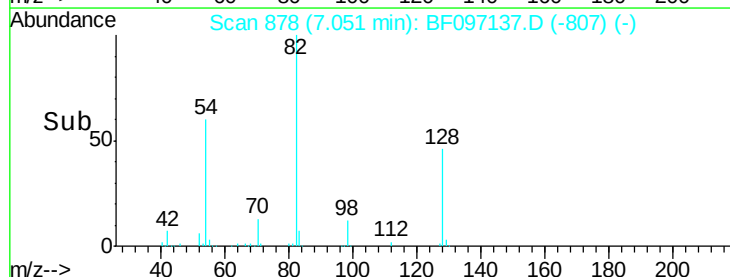
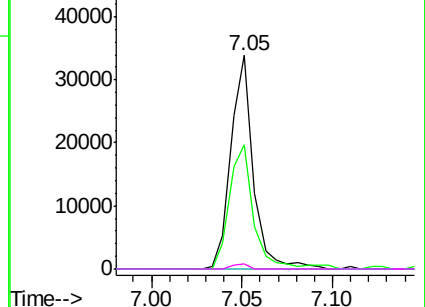


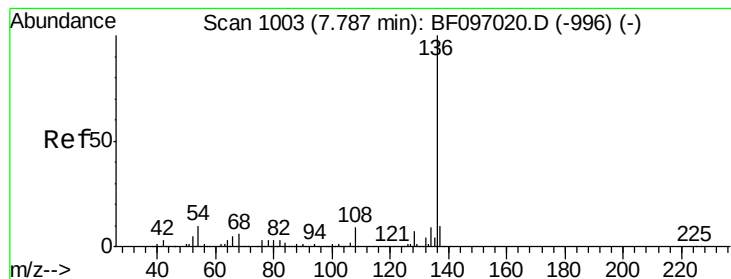
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 7.77 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-B

Tot Ion:136 Resp: 439509

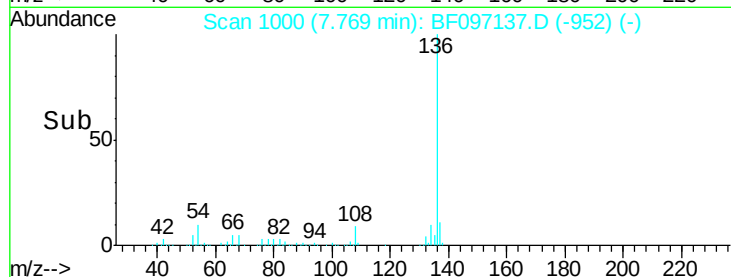
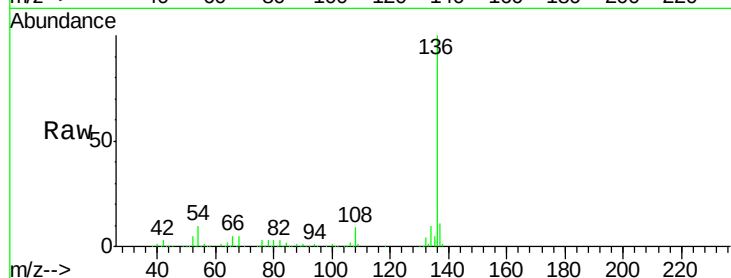
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 10.1 4.9 7.3#

68 5.3 4.1 6.1

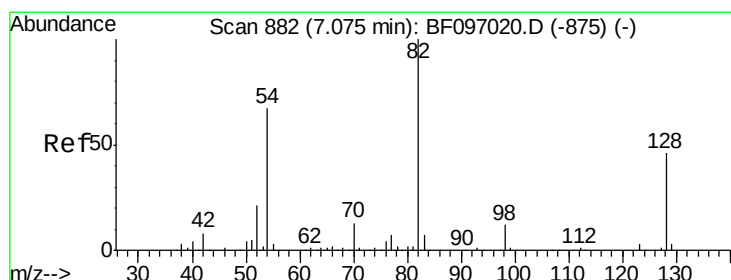
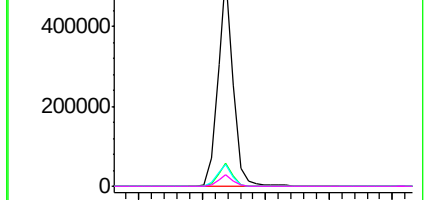


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.28 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

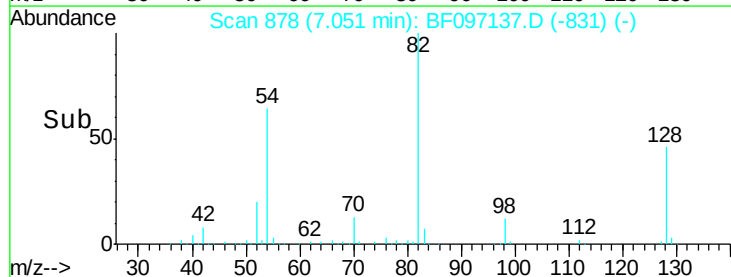
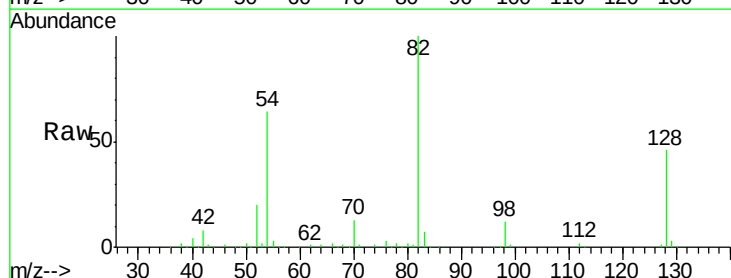
Tgt Ion: 82 Resp: 226844

Ion Ratio Lower Upper

82 100

128 46.4 34.0 51.0

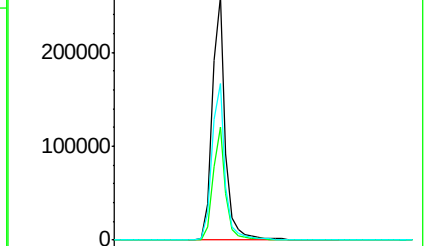
54 64.2 42.2 63.2#

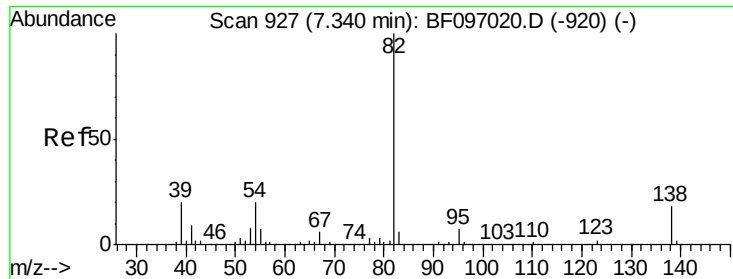


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 15.43 ng

RT: 7.05 min Scan# 878

Delta R.T. -0.29 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-B

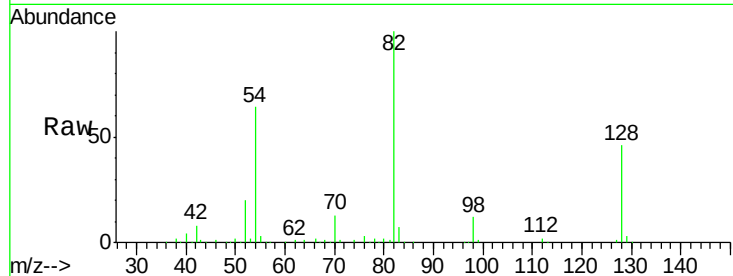
Tot Ion: 82 Resp: 226355

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

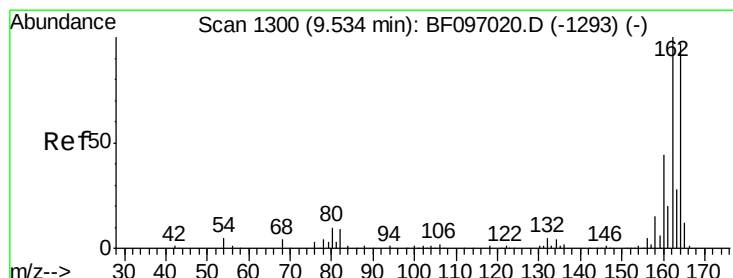
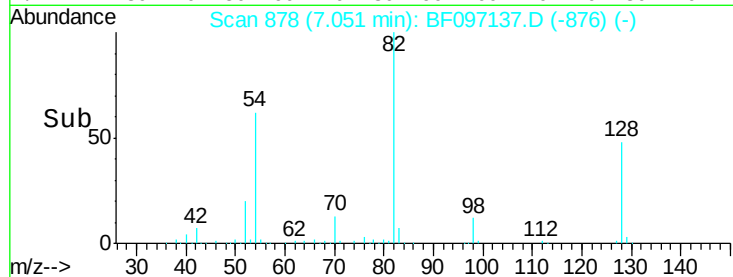
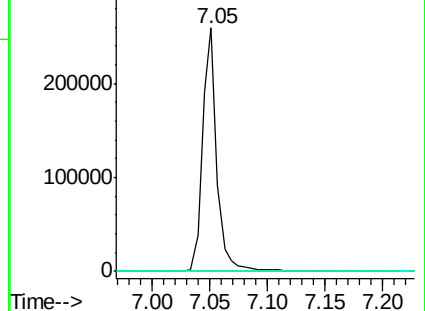
138 0.0 13.1 19.7#



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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

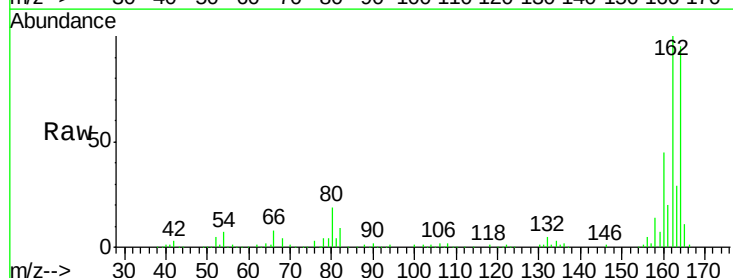
Tgt Ion: 164 Resp: 183697

Ion Ratio Lower Upper

164 100

162 105.4 82.6 123.8

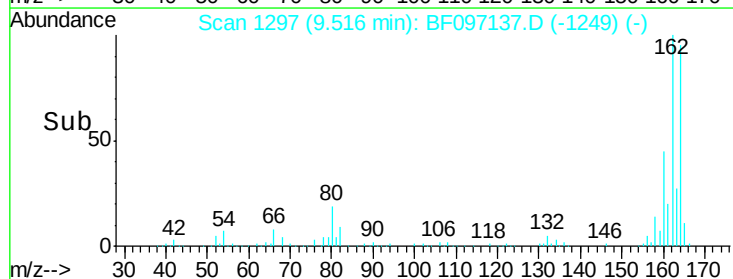
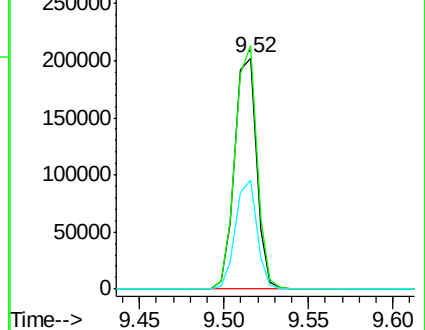
160 47.2 36.2 54.2

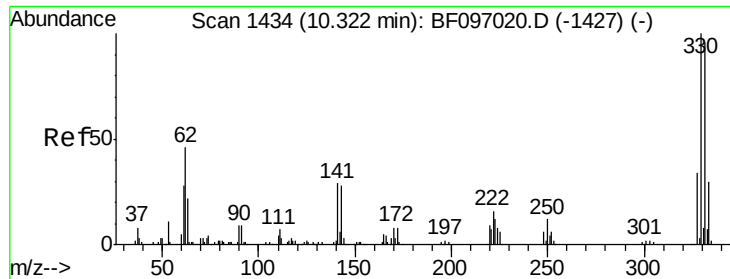


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 38.75 ng

RT: 10.30 min Scan# 1430

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

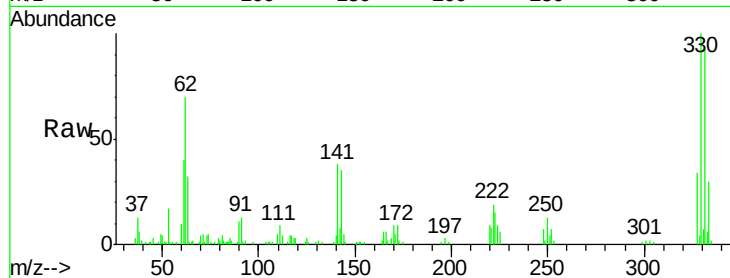
BNA_F

ClientSampleId :

AU-06-072417-B

Tot Ion:330 Resp: 56247

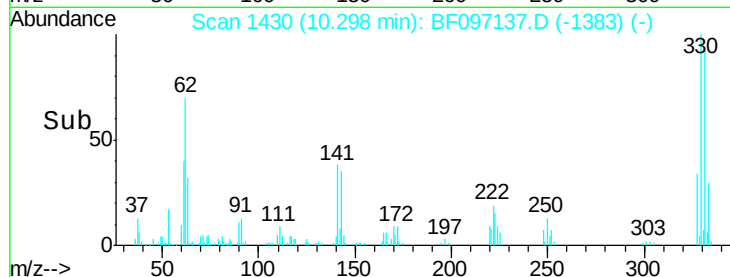
Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	40.3	31.4	47.2



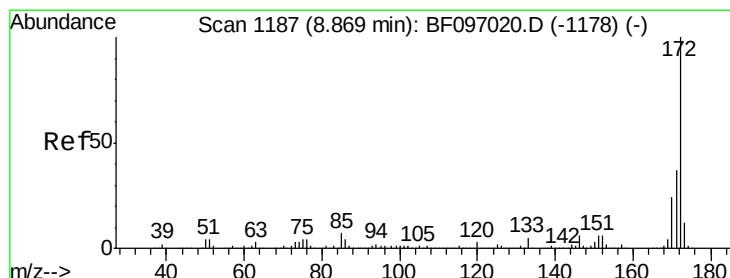
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#44

2-Fluorobiphenyl

Concen: 30.14 ng

RT: 8.85 min Scan# 1183

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

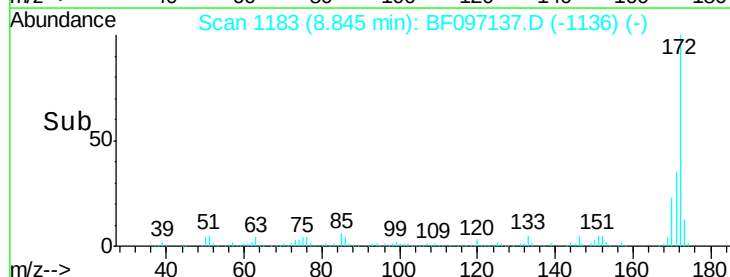
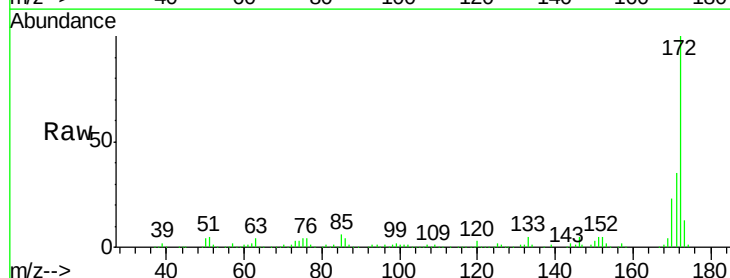
Tgt Ion:172 Resp: 326198

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.2	19.8	29.8

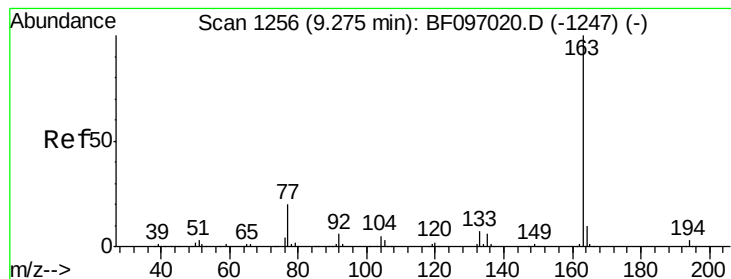
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#49

Dimethylphthalate

Concen: 3.78 ng

RT: 9.25 min Scan# 1251

Delta R.T. -0.03 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-B

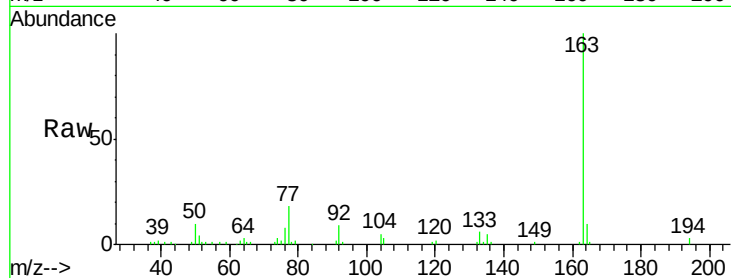
Tot Ion:163 Resp: 52746

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

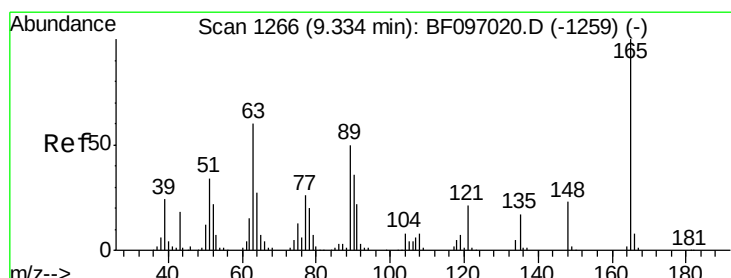
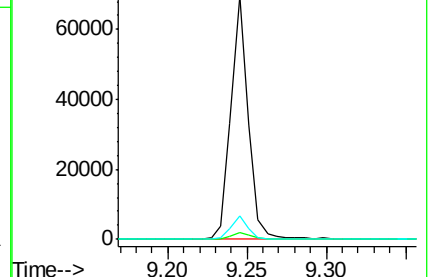
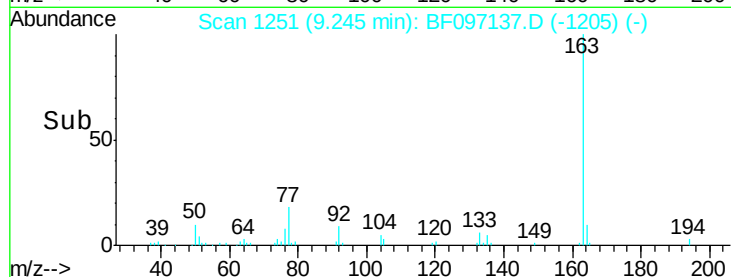
164 9.6 8.4 12.6



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: 7.83 ng

RT: 9.51 min Scan# 1296

Delta R.T. 0.18 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

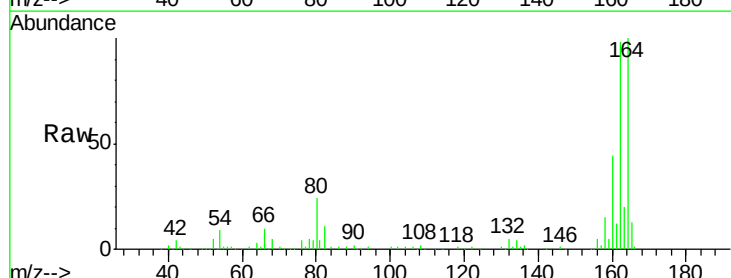
Tgt Ion:165 Resp: 23161

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

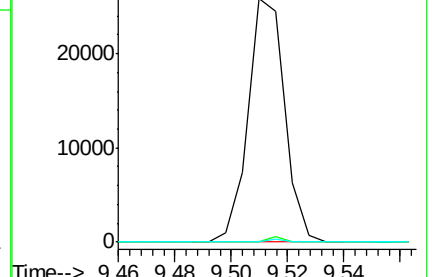
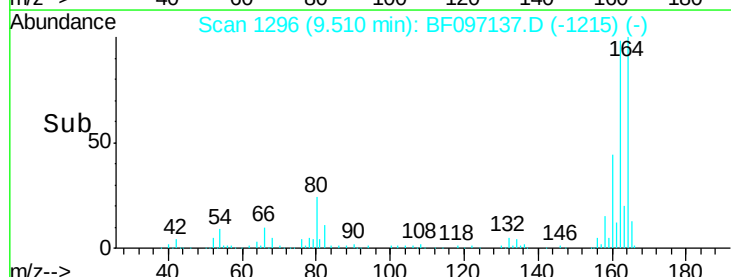
89 0.0 37.1 55.7#

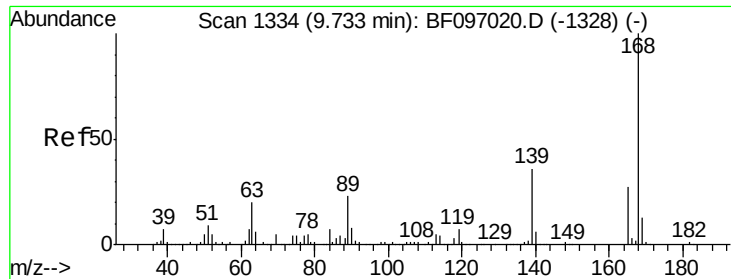


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.81 ng

RT: 9.51 min Scan# 1296

Delta R.T. -0.22 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-B

Tot Ion:165 Resp: 23161

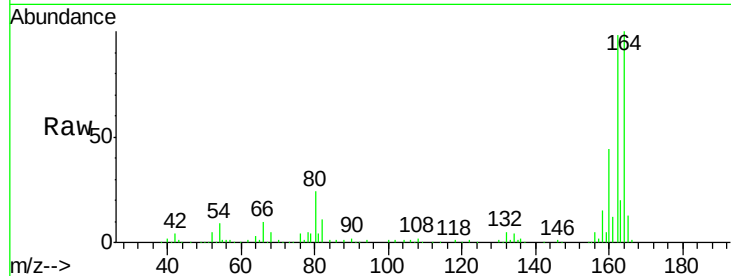
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

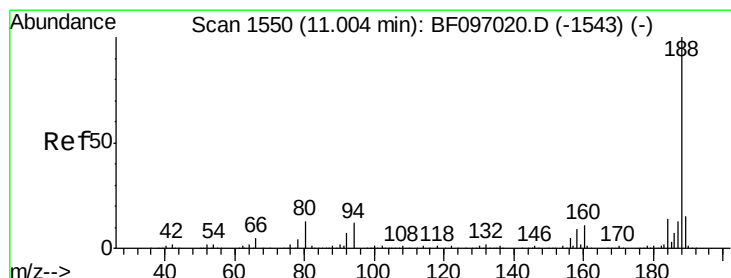
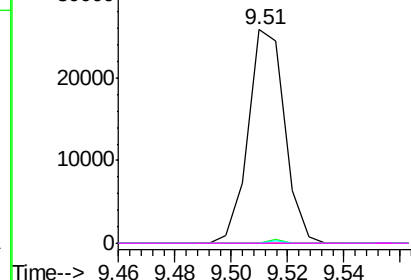
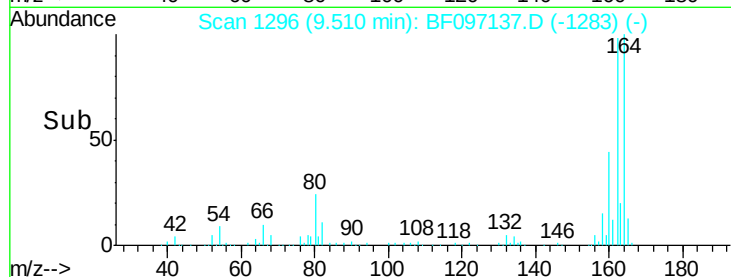


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.00 ng

RT: 10.99 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

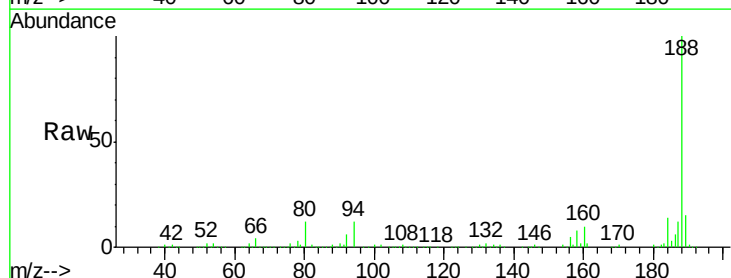
Tgt Ion:188 Resp: 253392

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

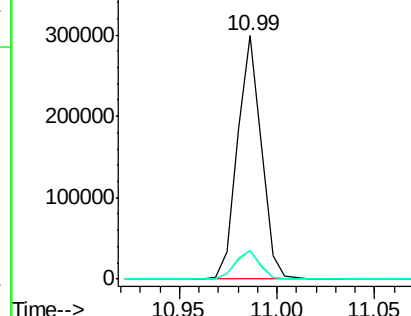
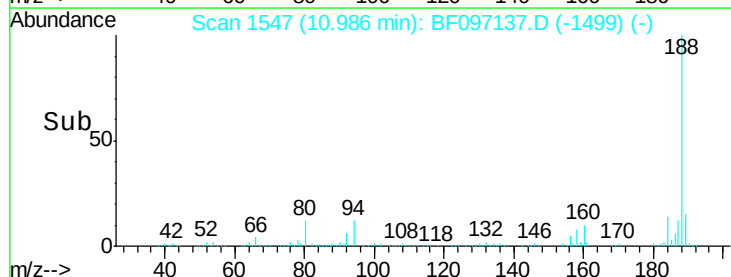
80 11.8 10.2 15.2

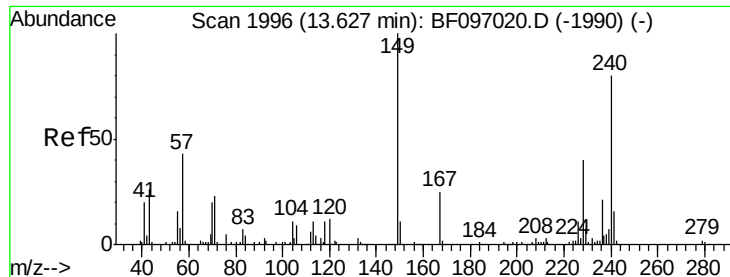


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

Instrument :

BNA_F

ClientSampleId :

AU-06-072417-B

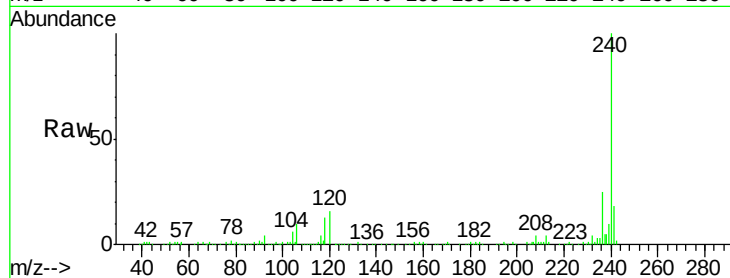
Tot Ion:240 Resp: 192098

Ion Ratio Lower Upper

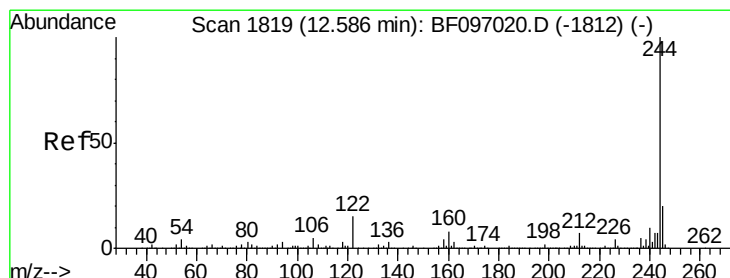
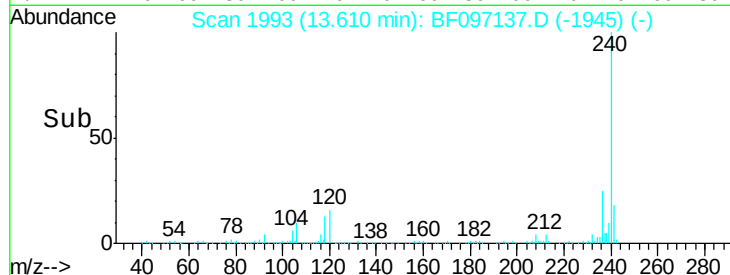
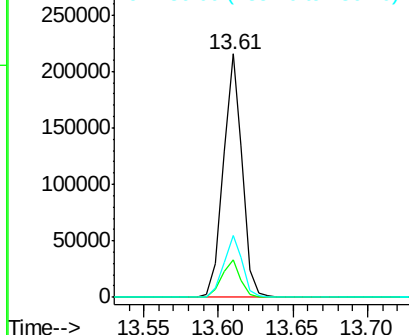
240 100

120 15.7 5.8 8.8#

236 25.4 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: 21.45 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097137.D

Acq: 27 Jul 2017 22:05

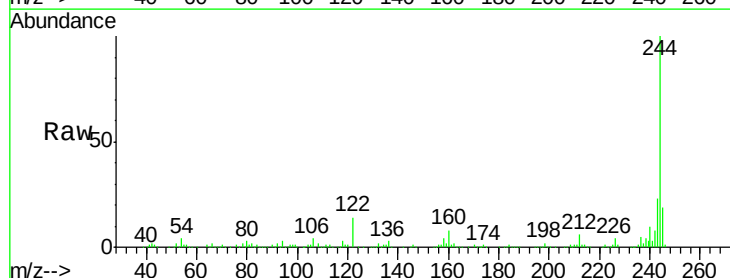
Tgt Ion:244 Resp: 202123

Ion Ratio Lower Upper

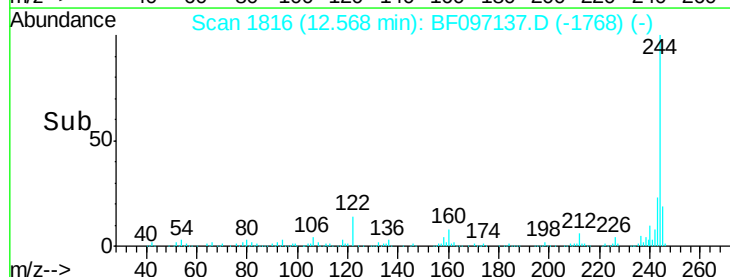
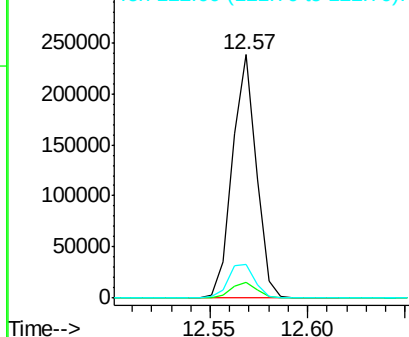
244 100

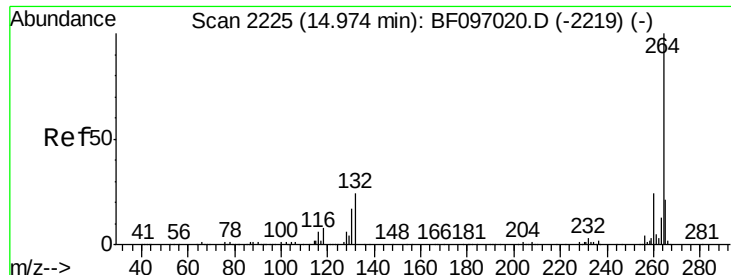
212 6.4 6.0 9.0

122 14.0 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

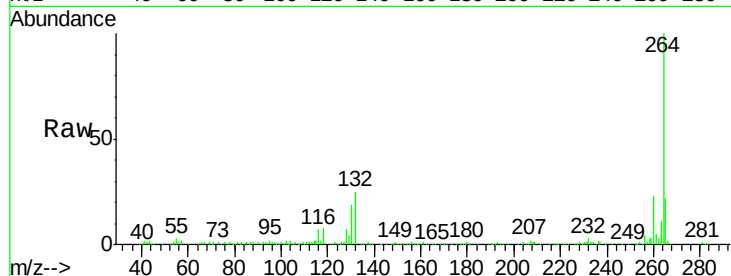




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF097137.D
Acq: 27 Jul 2017 22:05

Instrument :
BNA_F
ClientSampleId :
AU-06-072417-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	21.9	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

