

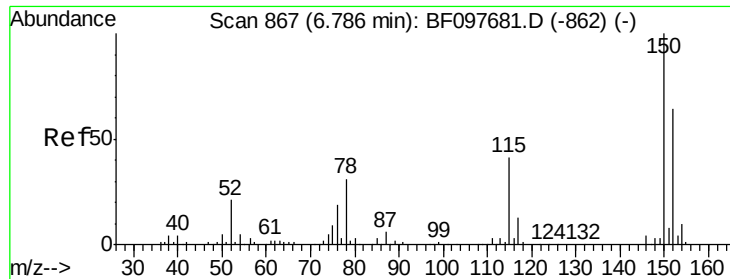
Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097989.D
 Acq On : 23 Aug 2017 8:25
 Operator : SJ/JU
 Sample : I4913-02
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-3-12-COMP

Quant Time: Aug 23 08:56:53 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	6.75	152	120292	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	449462	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	169828	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	272465	20.00	ng	0.00
75) Chrysene-d12	13.90	240	259400	20.00	ng	0.00
86) Perylene-d12	15.32	264	185393	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	923158	116.73	ng	0.01
7) Phenol-d6	6.39	99	1234449	114.88	ng	0.00
23) Nitrobenzene-d5	7.32	82	735723	88.92	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	151970	103.13	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1065999	92.22	ng	0.00
78) Terphenyl-d14	12.85	244	733038	58.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	99823	13.57	ng	# 72
25) Isophorone	7.32	82	723634	42.06	ng	# 67
49) Dimethylphthalate	9.50	163	132125	10.64	ng	98
56) 2,4-Dinitrotoluene	9.78	165	21540	6.93	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.57	198	304	8.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	10723	3.79	ng	# 1
83) Bis(2-ethylhexyl)phthalate	13.89	149	68513	7.60	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-3-12-COMP

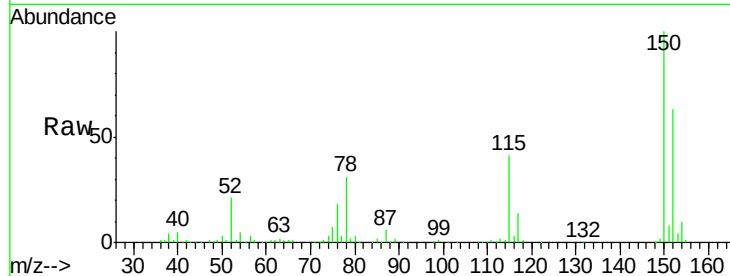
Tot Ion:152 Resp: 120292

Ion Ratio Lower Upper

152 100

150 157.7 126.2 189.2

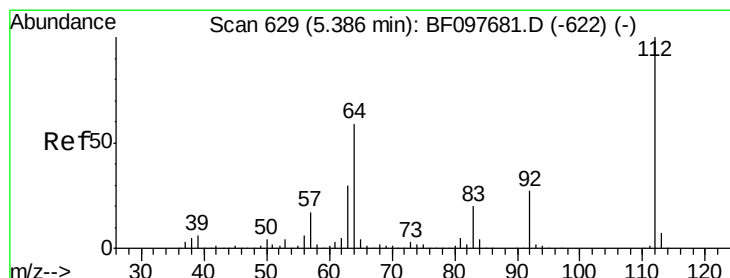
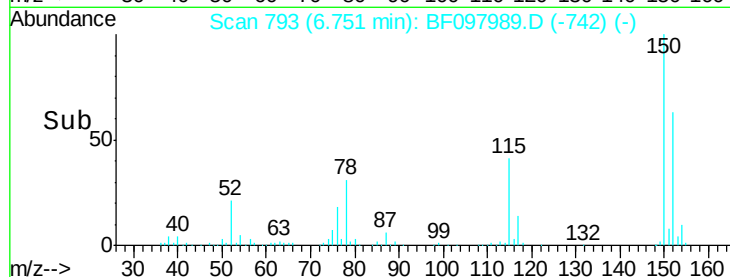
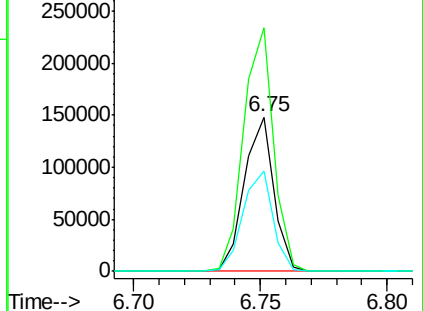
115 64.6 52.2 78.2



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: 116.73 ng

RT: 5.36 min Scan# 557

Delta R.T. 0.01 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

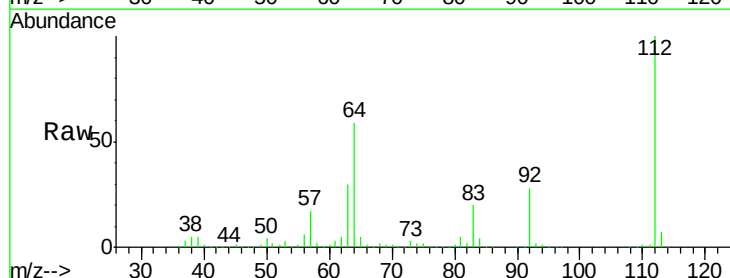
Tgt Ion:112 Resp: 923158

Ion Ratio Lower Upper

112 100

64 59.0 46.0 69.0

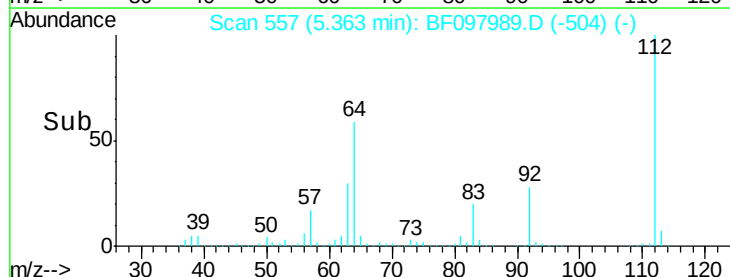
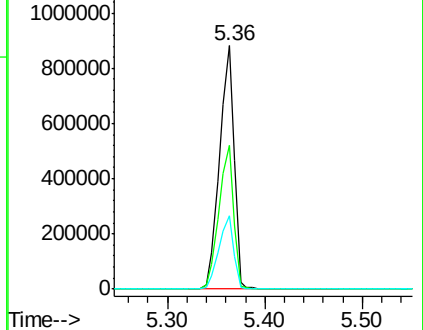
63 30.0 23.4 35.0

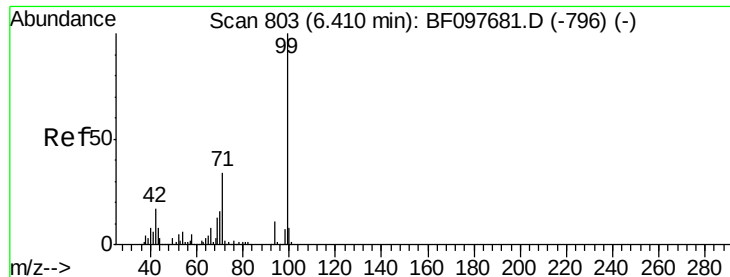


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 114.88 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-3-12-COMP

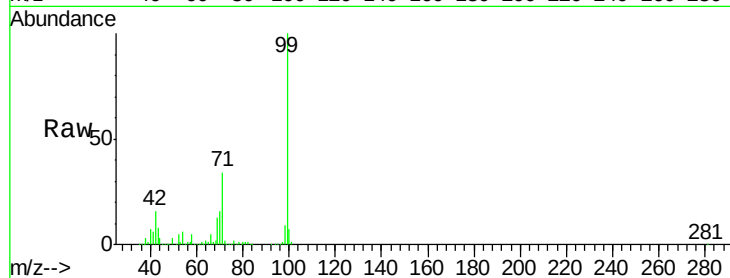
Tot Ion: 99 Resp: 1234449

Ion Ratio Lower Upper

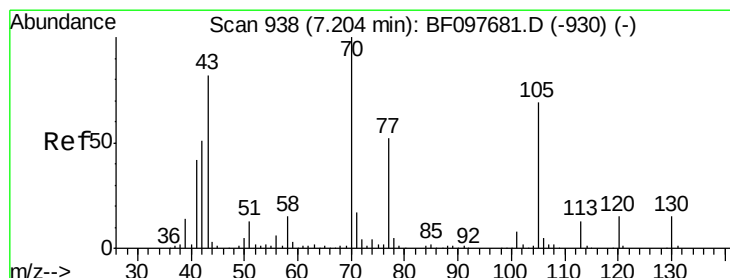
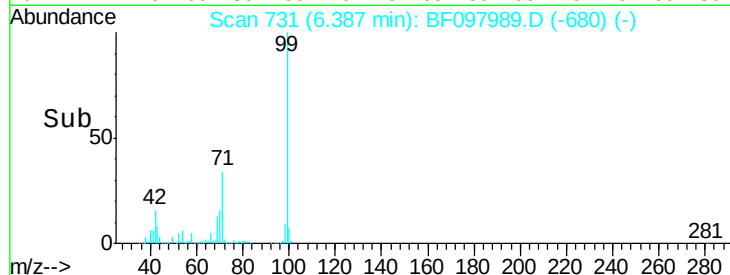
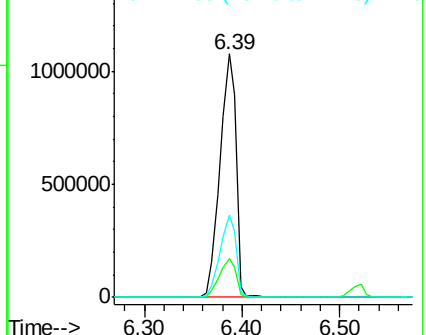
99 100

42 16.0 13.5 20.3

71 33.8 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: 13.57 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

Tgt Ion: 70 Resp: 99823

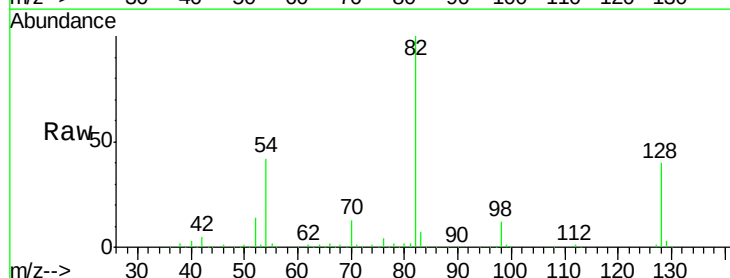
Ion Ratio Lower Upper

70 100

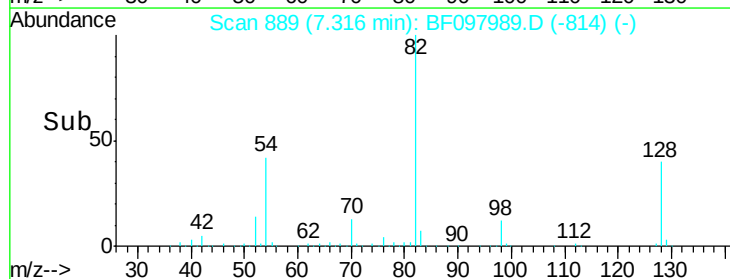
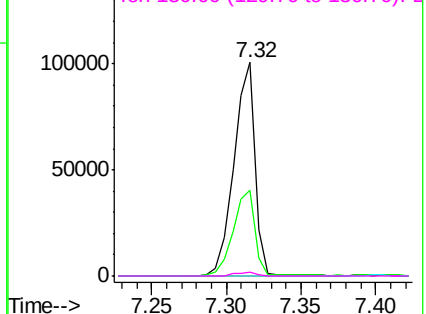
42 40.0 47.2 70.8#

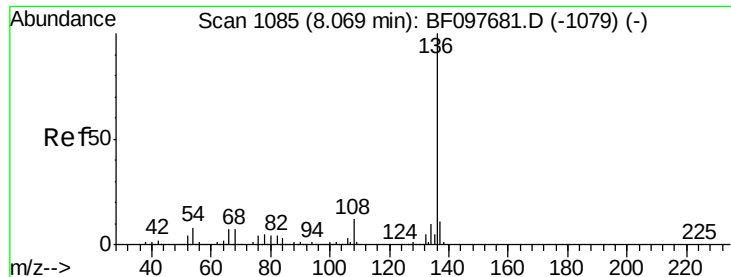
101 0.0 7.2 10.8#

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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-3-12-COMP

Tot Ion:136 Resp: 449462

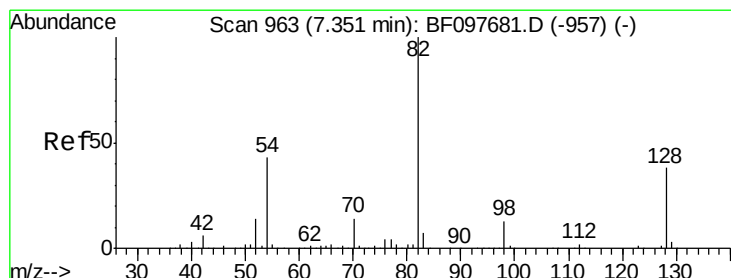
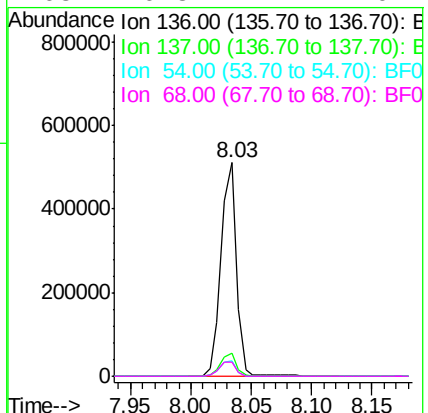
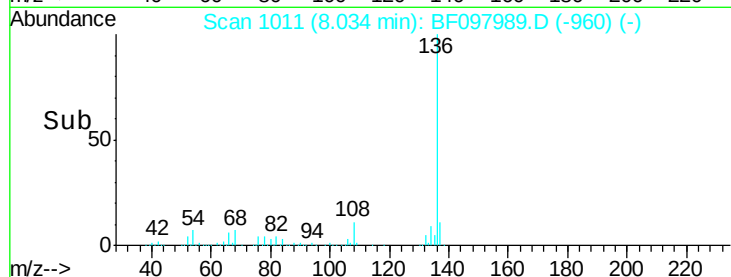
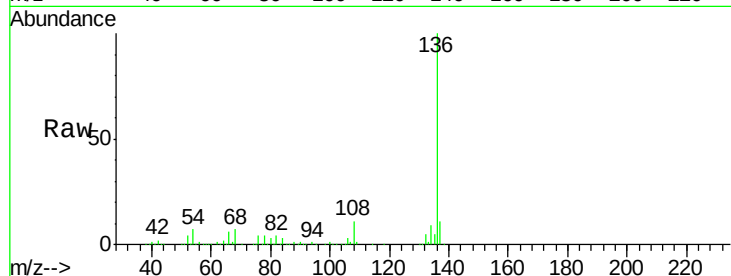
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.2 4.9 7.3

68 6.8 4.1 6.1#



#23

Nitrobenzene-d5

Concen: 88.92 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

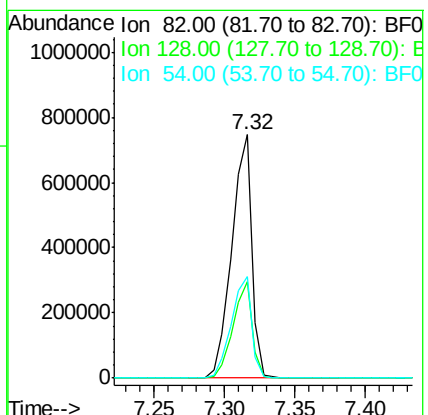
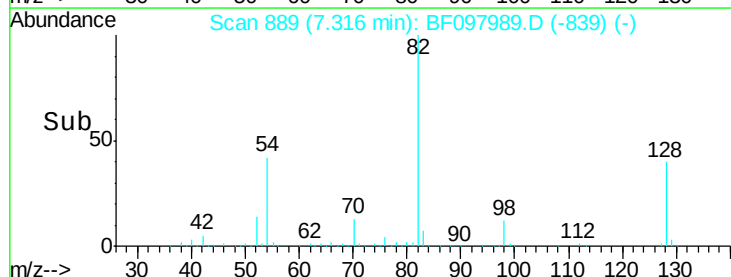
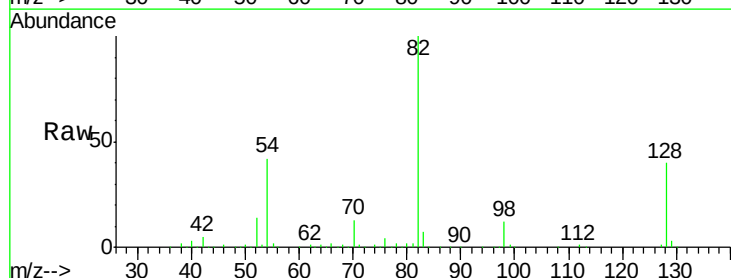
Tgt Ion: 82 Resp: 735723

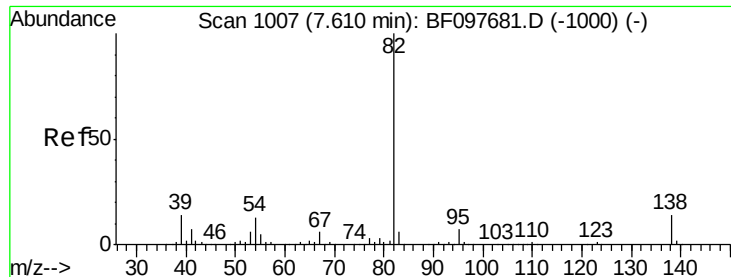
Ion Ratio Lower Upper

82 100

128 39.8 34.0 51.0

54 41.6 42.2 63.2#





#25

Isophorone

Concen: 42.06 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-3-12-COMP

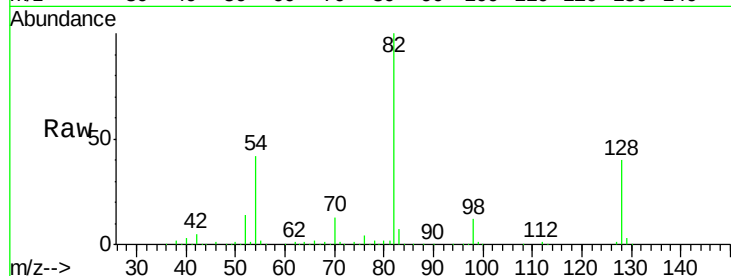
Tot Ion: 82 Resp: 723634

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

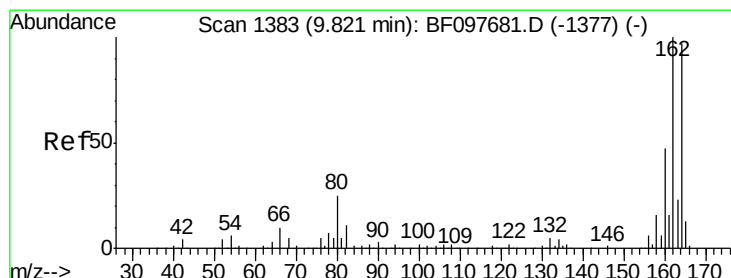
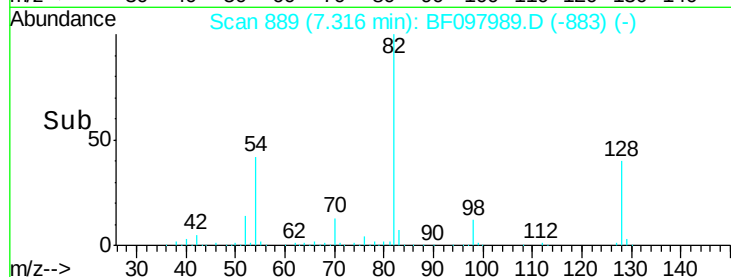
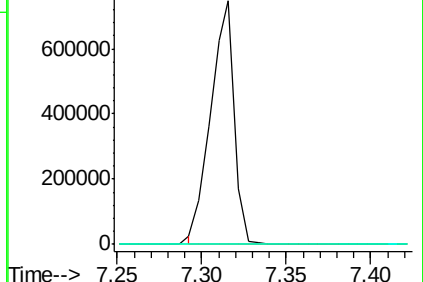
138 0.0 13.1 19.7#



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: 20.00 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

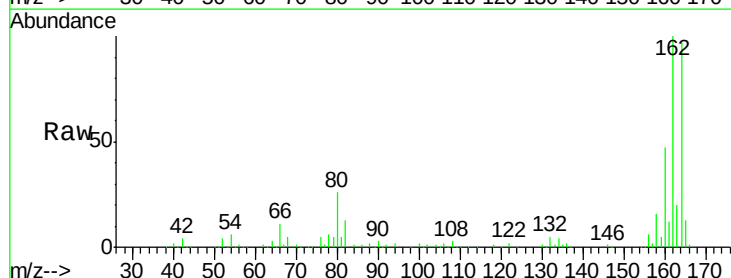
Tgt Ion: 164 Resp: 169828

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

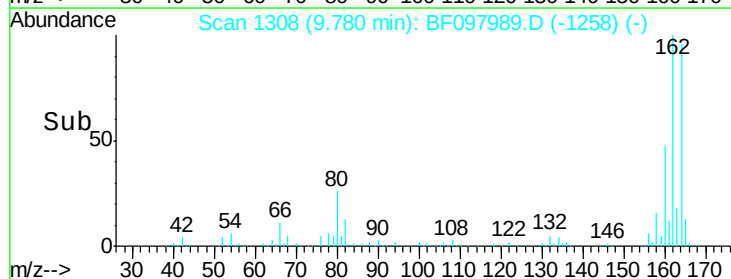
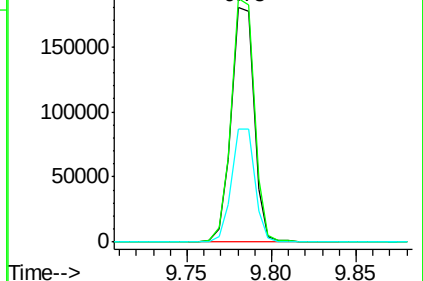
160 48.3 36.2 54.2

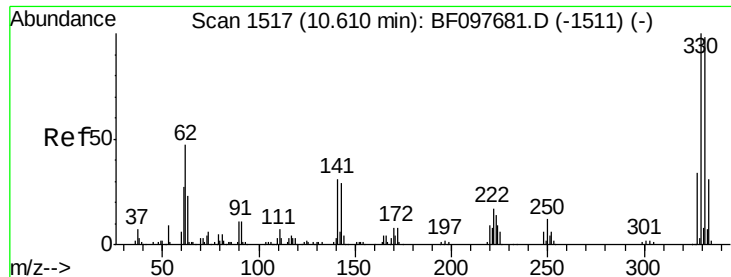


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

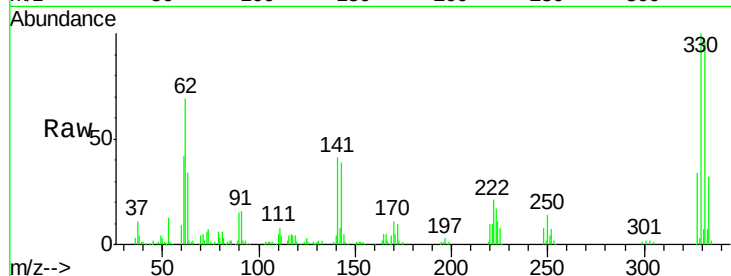




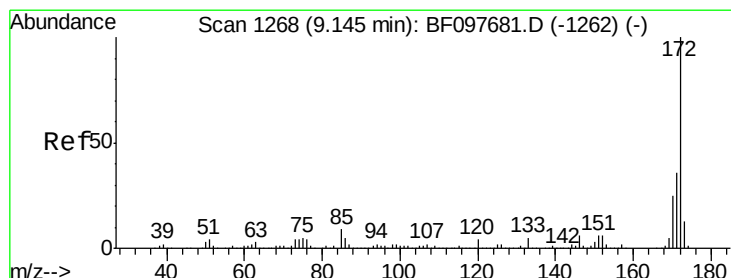
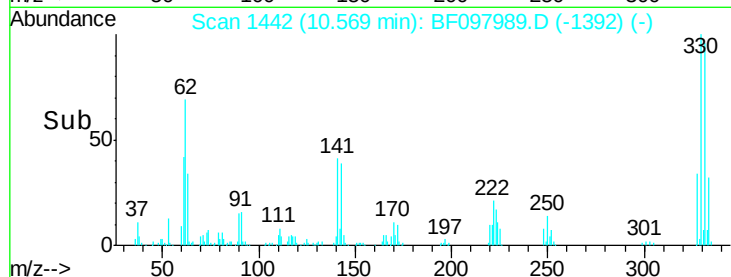
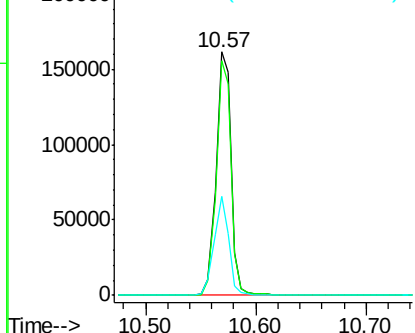
#41
 2,4,6-Tribromophenol
 Concen: 103.13 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097989.D
 Acq: 23 Aug 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-3-12-COMP

Tot Ion:330 Resp: 151970
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 115.0
 141 39.2 31.4 47.2

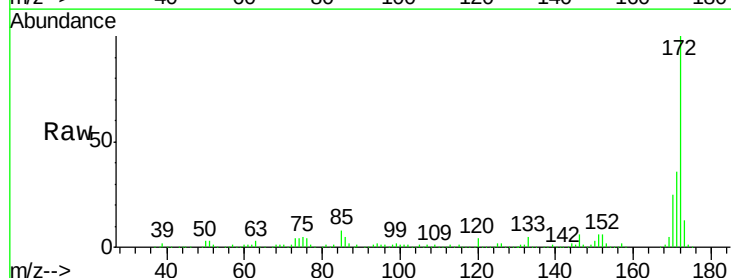


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

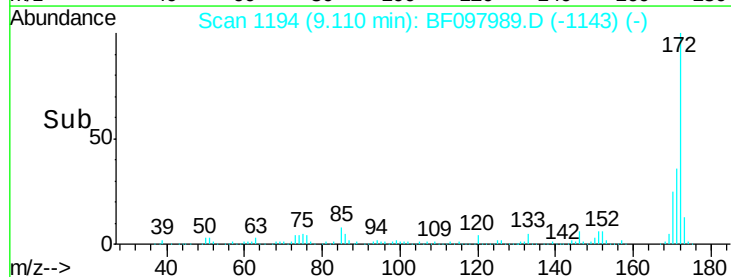
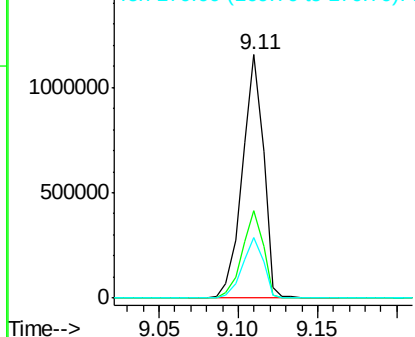


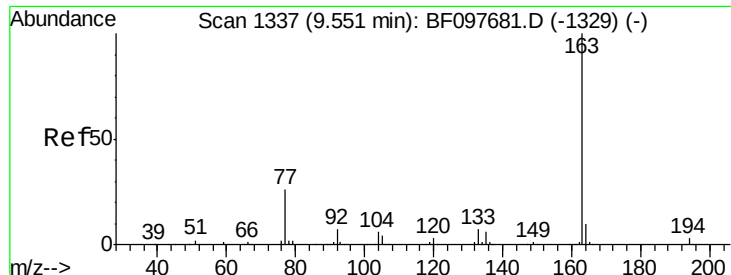
#44
 2-Fluorobiphenyl
 Concen: 92.22 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: BF097989.D
 Acq: 23 Aug 2017 8:25

Tgt Ion:172 Resp: 1065999
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 24.8 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

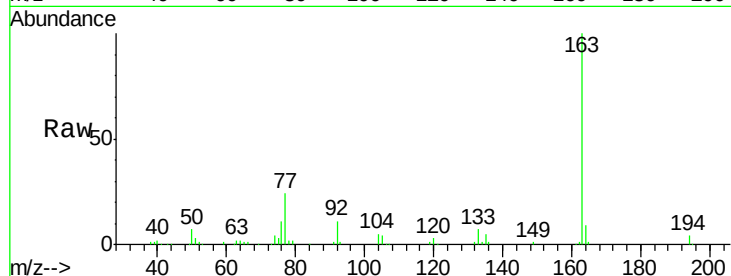




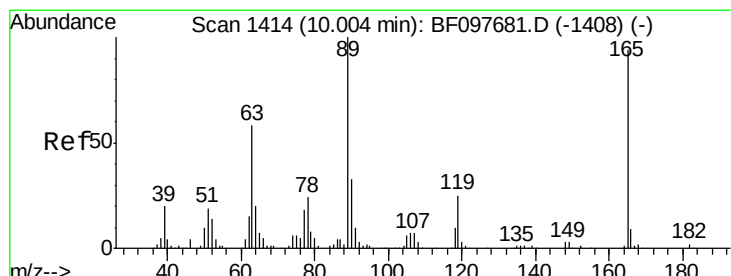
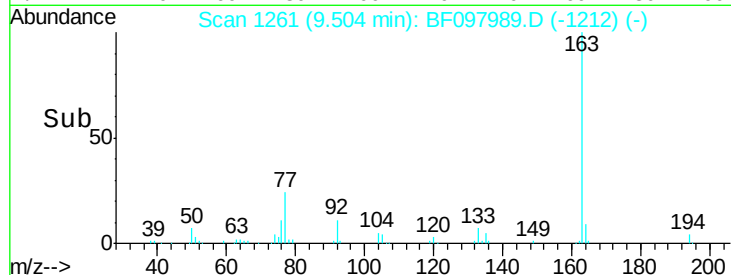
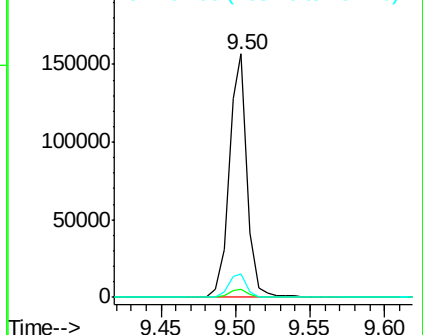
#49
Dimethylphthalate
Concen: 10.64 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097989.D
Acq: 23 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-3-12-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.4	8.4	12.6

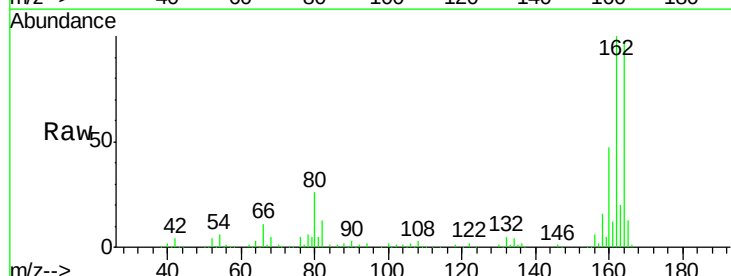


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

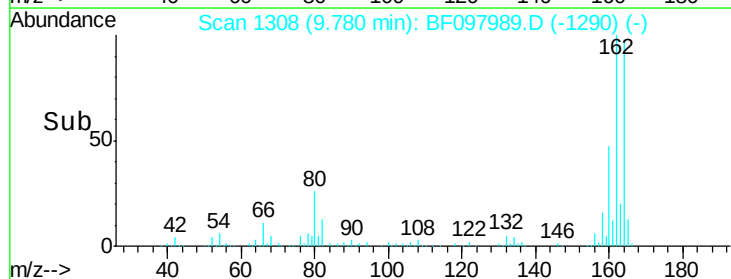
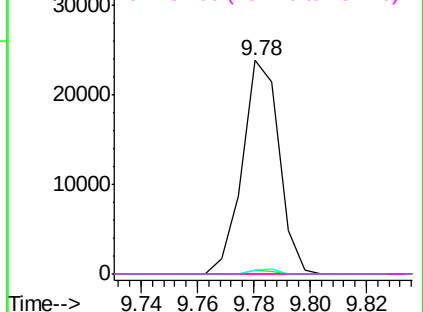


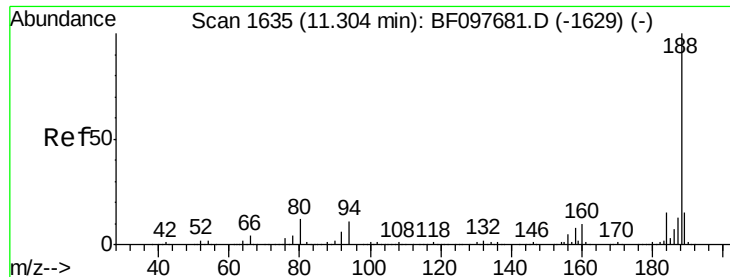
#56
2,4-Dinitrotoluene
Concen: 6.93 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.19 min
Lab File: BF097989.D
Acq: 23 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	25.4	38.0#
89	1.6	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

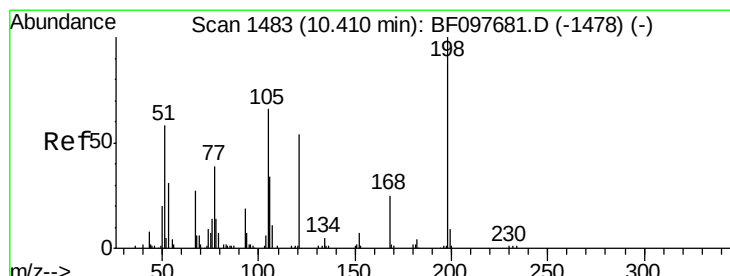
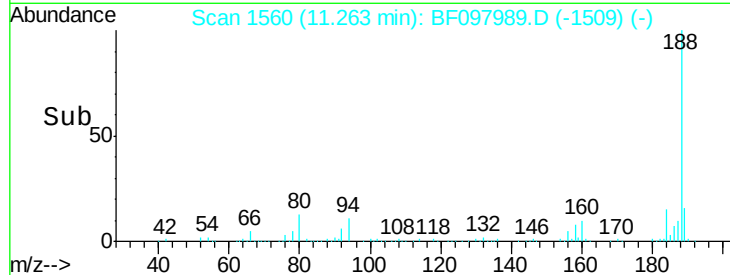
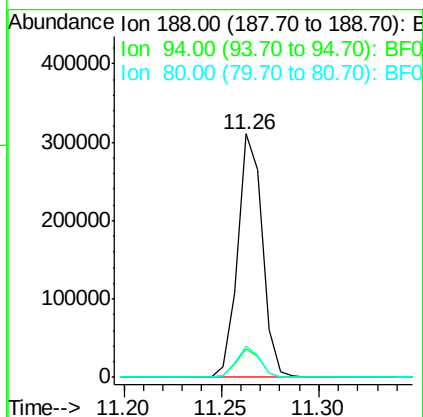
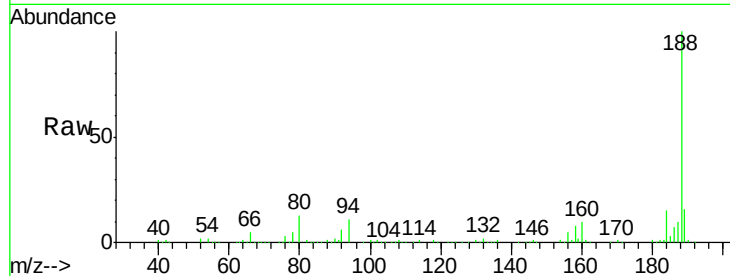




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 1560
Delta R.T. 0.00 min
Lab File: BF097989.D
Acq: 23 Aug 2017 8:25

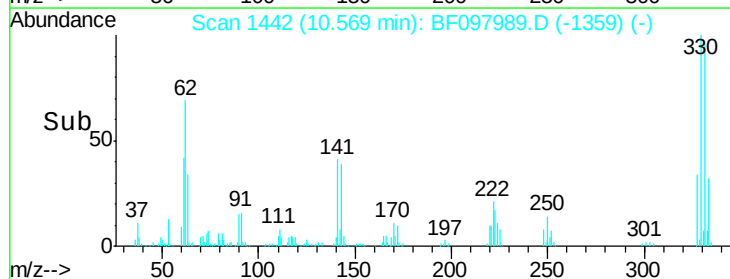
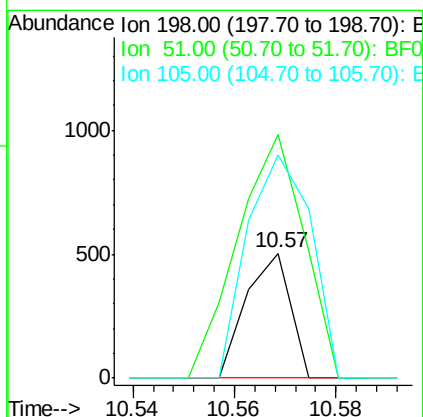
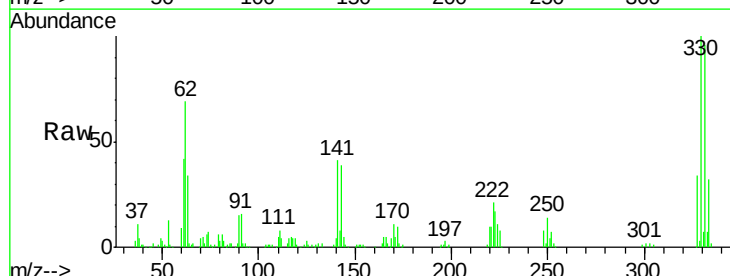
Instrument :
BNA_F
ClientSampleId :
TEC-BE2-3-12-COMP

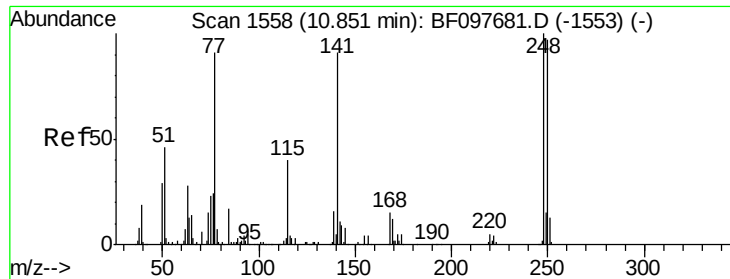
Tot Ion:188 Resp: 272465
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 12.9 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.52 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097989.D
Acq: 23 Aug 2017 8:25

Tgt Ion:198 Resp: 304
Ion Ratio Lower Upper
198 100
51 194.8 53.2 93.2#
105 178.2 45.8 85.8#

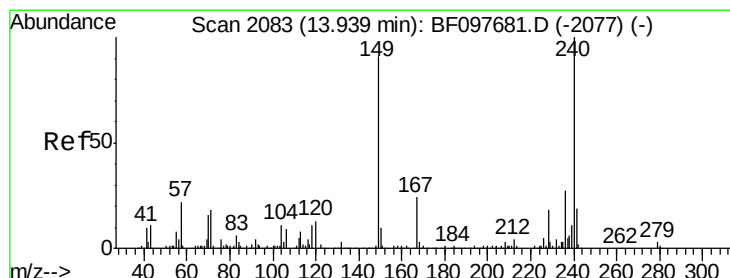
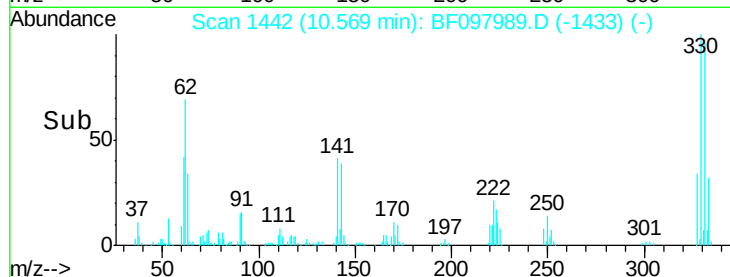
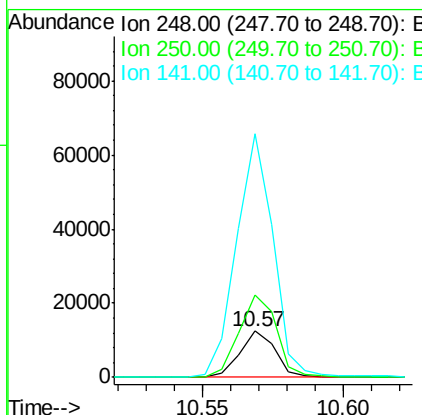
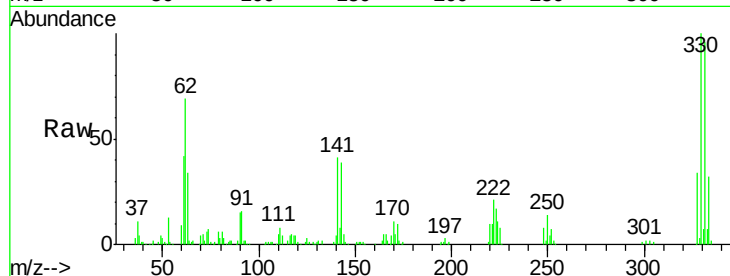




#66
 4-Bromophenyl-phenylether
 Concen: 3.79 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.25 min
 Lab File: BF097989.D
 Acq: 23 Aug 2017 8:25

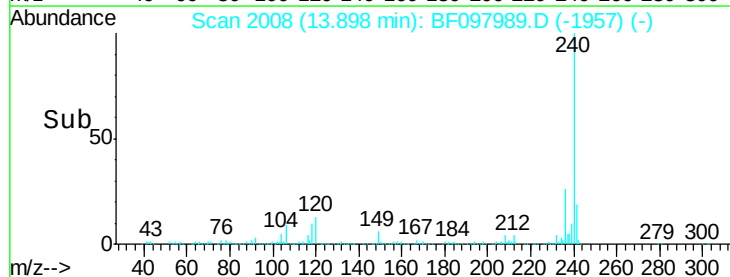
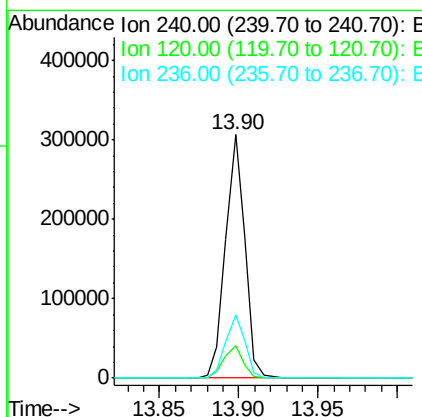
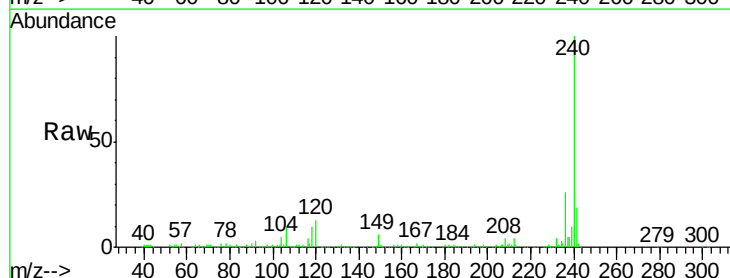
Instrument :
 BNA_F
 ClientSampleId :
 TEC-BE2-3-12-COMP

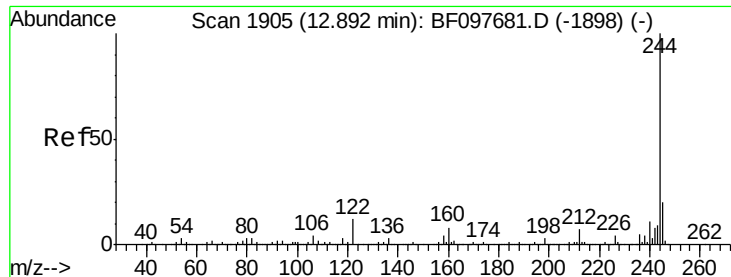
Tot Ion:248 Resp: 10723
 Ion Ratio Lower Upper
 248 100
 250 179.8 76.8 115.2#
 141 530.6 68.6 103.0#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.90 min Scan# 2008
 Delta R.T. 0.00 min
 Lab File: BF097989.D
 Acq: 23 Aug 2017 8:25

Tgt Ion:240 Resp: 259400
 Ion Ratio Lower Upper
 240 100
 120 13.4 5.8 8.8#
 236 26.2 20.5 30.7





#78

Terphenyl-d14

Concen: 58.93 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

TEC-BE2-3-12-COMP

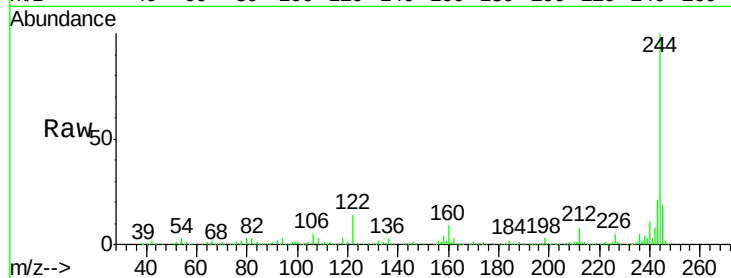
Tot Ion:244 Resp: 733038

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

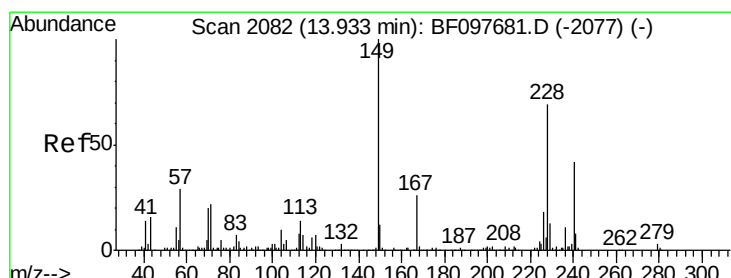
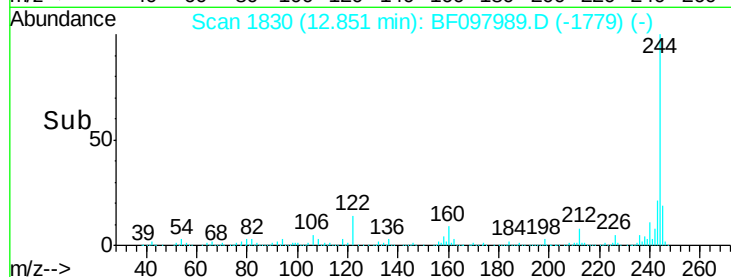
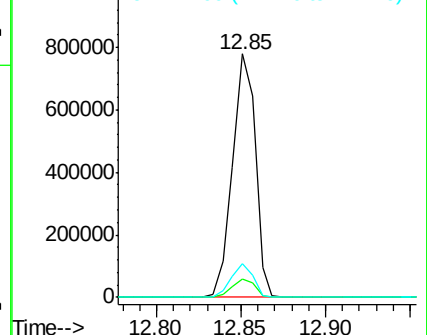
122 13.7 10.3 15.5



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: 7.60 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF097989.D

Acq: 23 Aug 2017 8:25

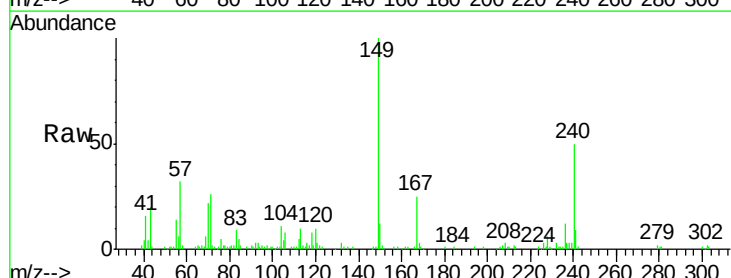
Tgt Ion:149 Resp: 68513

Ion Ratio Lower Upper

149 100

167 25.2 21.0 31.4

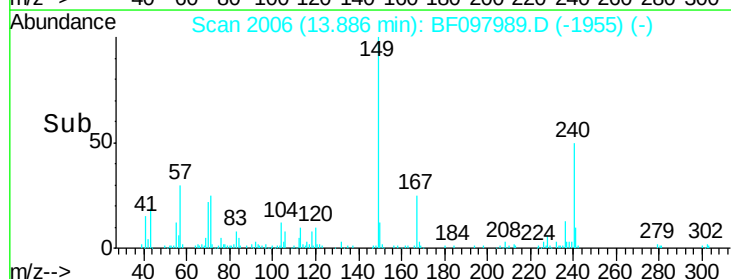
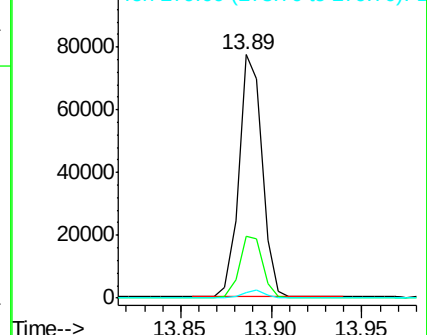
279 2.2 1.9 2.9

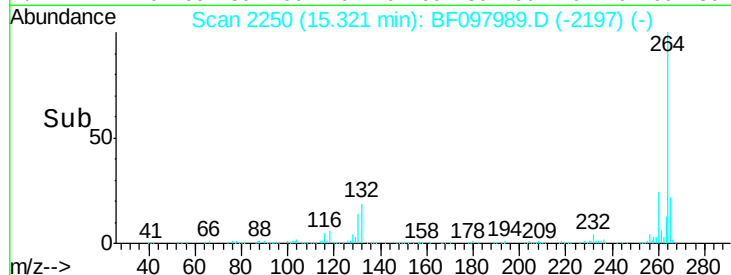
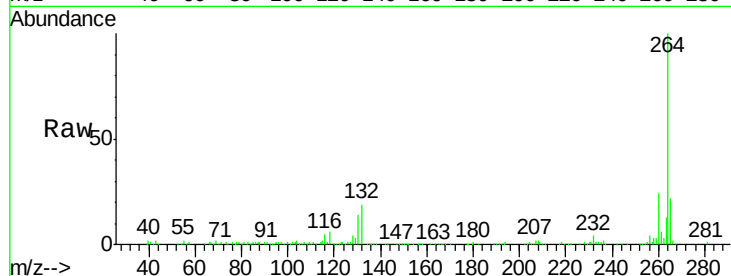
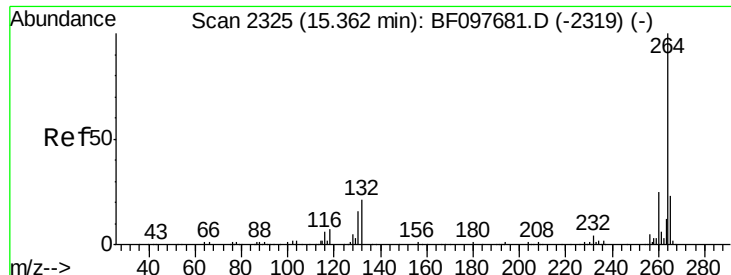


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.32 min Scan# 2250
Delta R.T. 0.01 min
Lab File: BF097989.D
Acq: 23 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :
TEC-BE2-3-12-COMP

Tot Ion:	264	Resp:	185393
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	21.7	17.2	25.8

