

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097231.D
 Acq On : 1 Aug 2017 14:32
 Operator : SJ/JU
 Sample : I4488-12
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-D

Quant Time: Aug 01 15:44:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 01 14:57:42 2017
 Response via : Initial Calibration

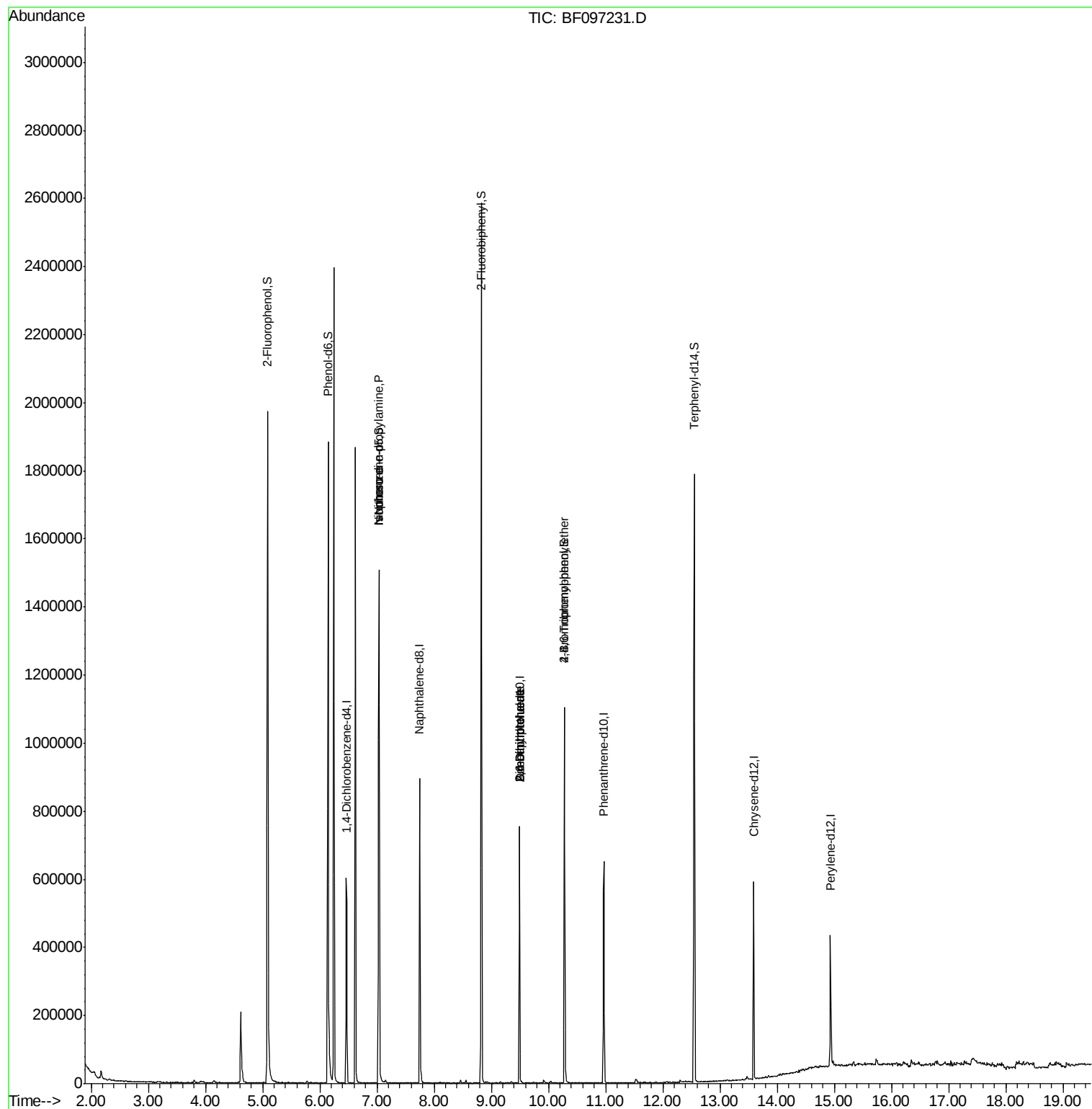
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	88600	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	387502	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	139459	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	217053	20.00	ng	0.00
75) Chrysene-d12	13.59	240	185443	20.00	ng	0.00
86) Perylene-d12	14.93	264	153787	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	628847	107.00	ng	0.01
7) Phenol-d6	6.15	99	685787	102.21	ng	0.00
23) Nitrobenzene-d5	7.03	82	477272	72.25	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	119320	108.29	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	770967	93.82	ng	0.00
78) Terphenyl-d14	12.55	244	524291	57.64	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.03	70	63750	14.434	ng	# 86
25) Isophorone	7.03	82	469893	36.325	ng	# 67
49) Dimethylphthalate	9.49	163	41302	3.900	ng	# 1
50) 2,6-Dinitrotoluene	9.49	165	17109	7.617	ng	# 34
56) 2,4-Dinitrotoluene	9.49	165	17109	6.626	ng	# 34
66) 4-Bromophenyl-phenylether	10.28	248	7812	3.606	ng	# 1

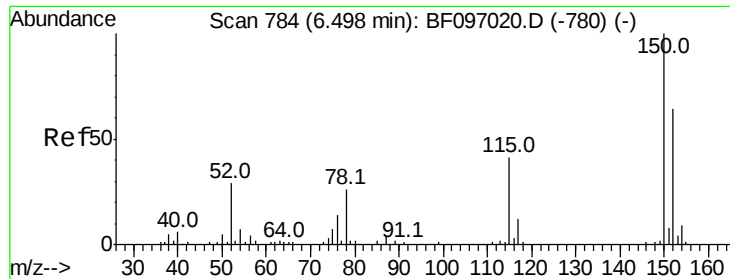
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-D

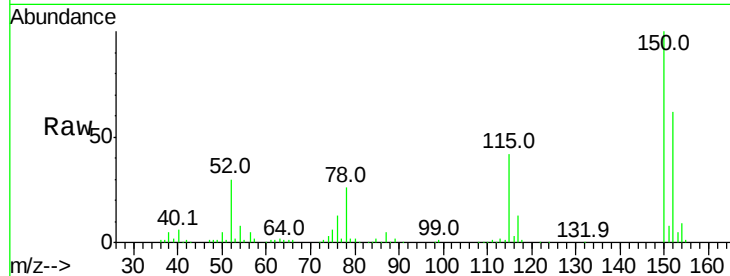
Tot Ion:152 Resp: 88600

Ion Ratio Lower Upper

152 100

150 161.4 126.2 189.2

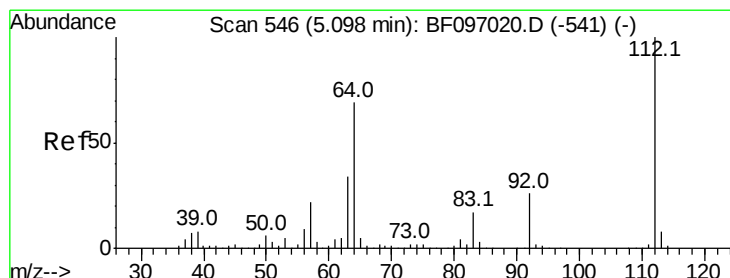
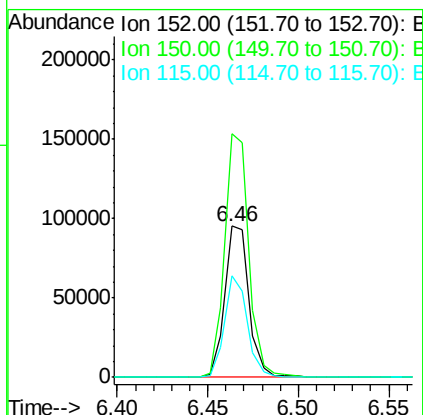
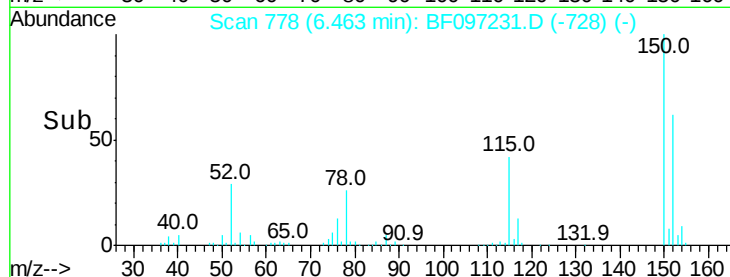
115 67.5 52.2 78.2



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: 106.995 ng

RT: 5.09 min Scan# 544

Delta R.T. 0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

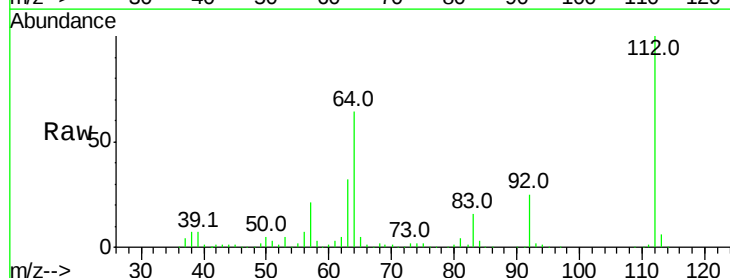
Tgt Ion:112 Resp: 628847

Ion Ratio Lower Upper

112 100

64 63.8 46.0 69.0

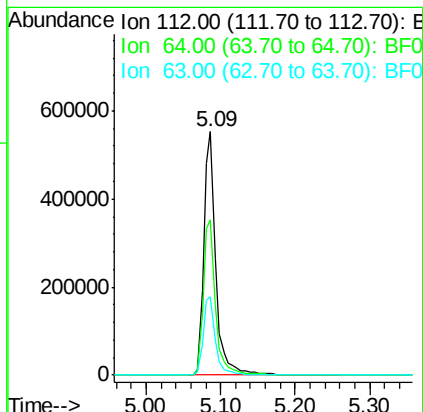
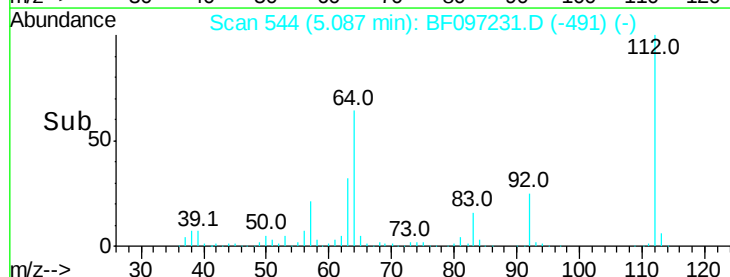
63 32.2 23.4 35.0

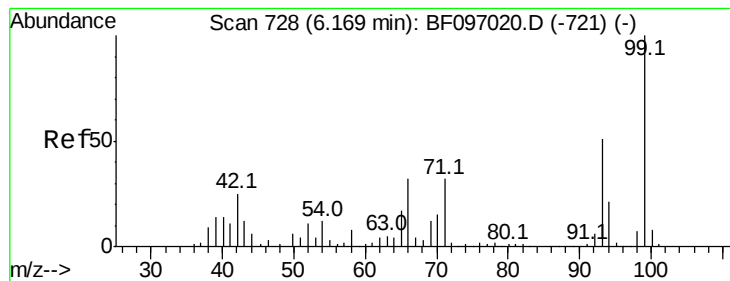


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.209 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-D

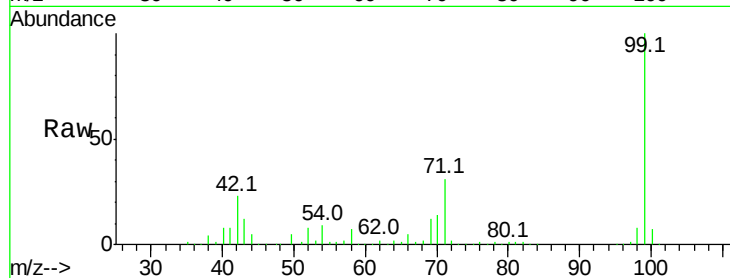
Tot Ion: 99 Resp: 685787

Ion Ratio Lower Upper

99 100

42 22.8 13.5 20.3#

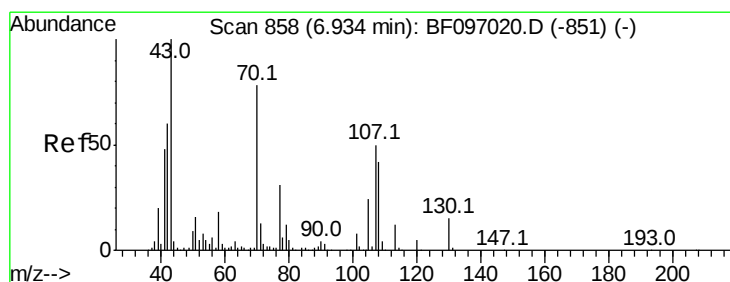
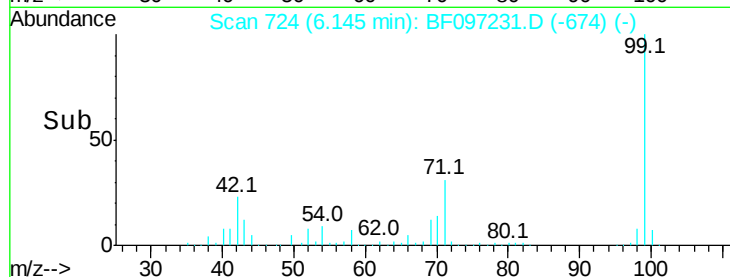
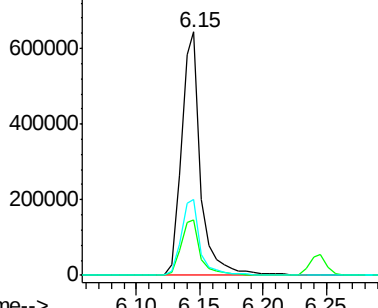
71 31.4 24.5 36.7



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: 14.434 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.12 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

Tgt Ion: 70 Resp: 63750

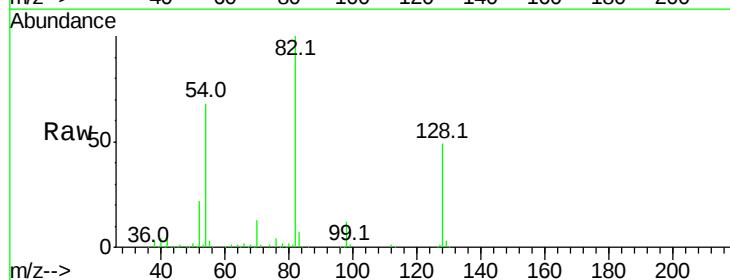
Ion Ratio Lower Upper

70 100

42 62.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

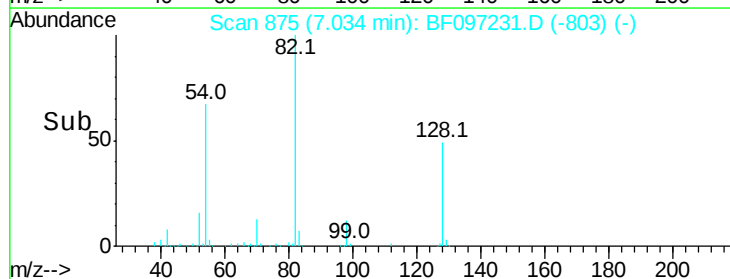
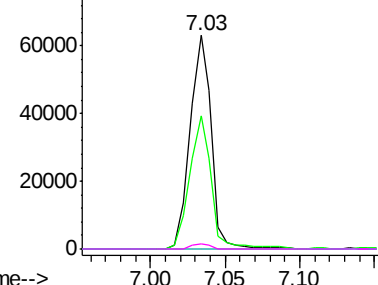


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

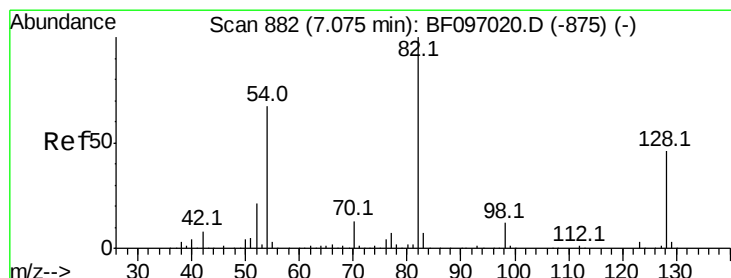
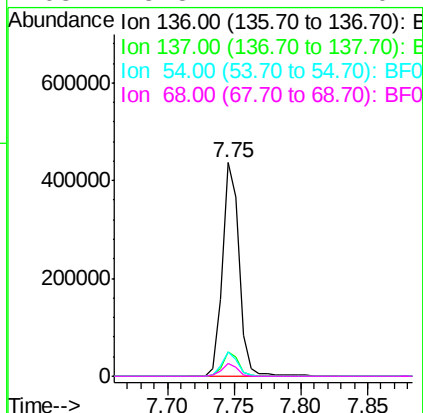
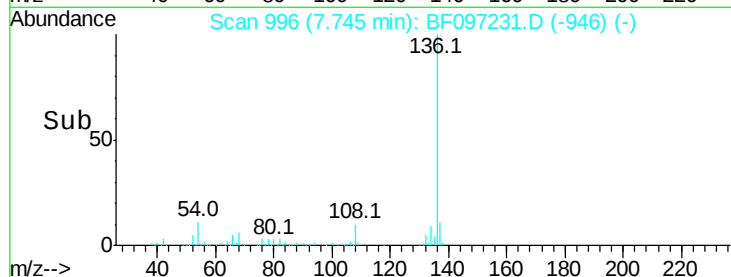
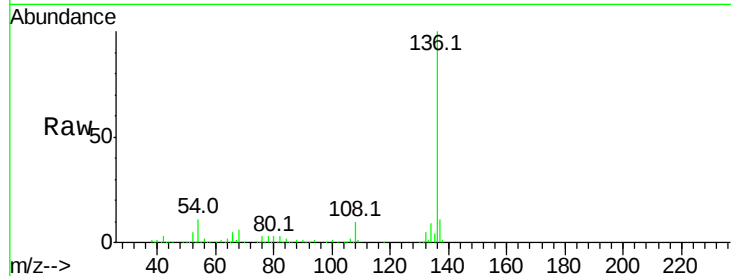




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF097231.D
Acq: 1 Aug 2017 14:32

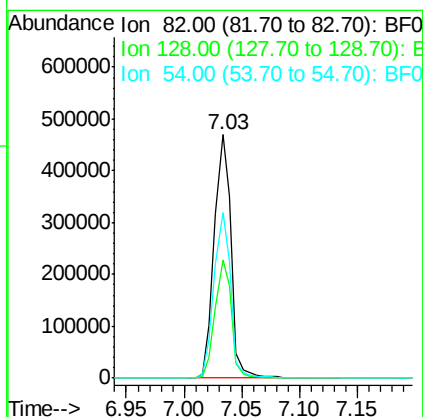
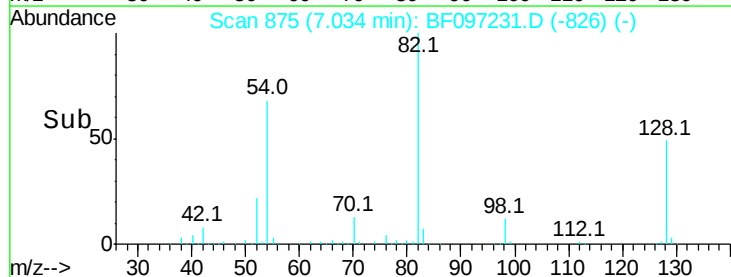
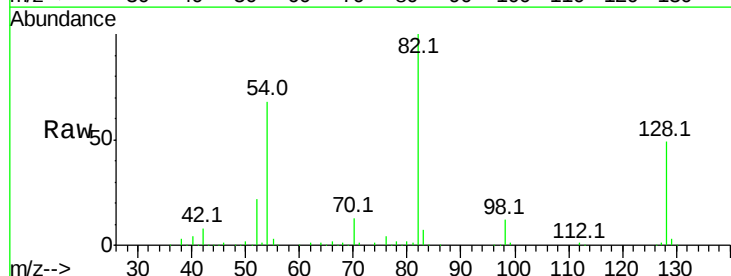
Instrument :
BNA_F
ClientSampleId :
CL-02-072717-D

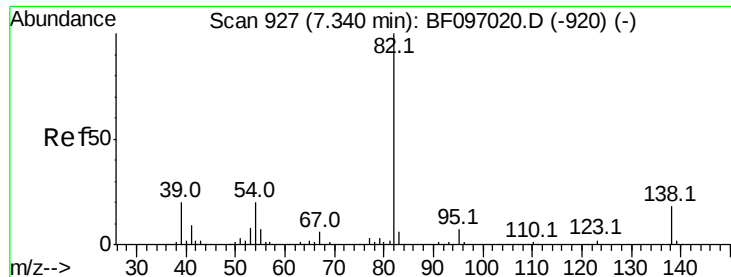
Tot Ion:136	Resp:	387502
Ion	Ratio	Lower Upper
136	100	
137	11.4	8.5 12.7
54	11.3	4.9 7.3#
68	5.8	4.1 6.1



#23
Nitrobenzene-d5
Concen: 72.254 ng
RT: 7.03 min Scan# 875
Delta R.T. -0.01 min
Lab File: BF097231.D
Acq: 1 Aug 2017 14:32

Tgt Ion: 82	Resp:	477272
Ion	Ratio	Lower Upper
82	100	
128	48.8	34.0 51.0
54	68.3	42.2 63.2#





#25

Isophorone

Concen: 36.325 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.28 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-D

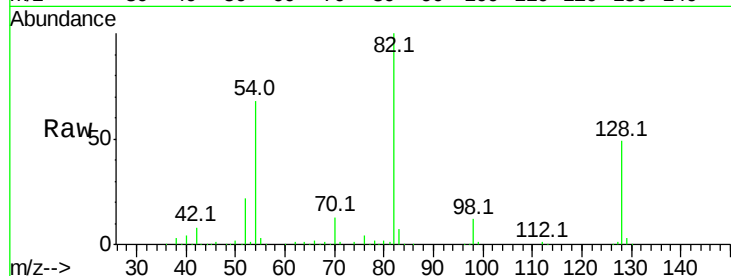
Tot Ion: 82 Resp: 469893

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

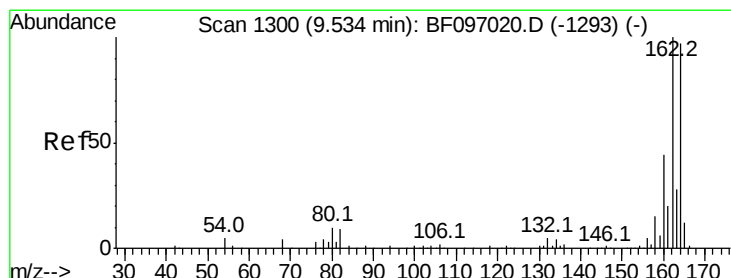
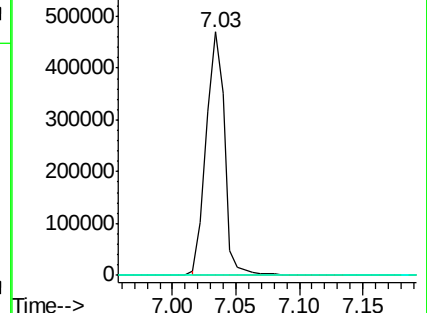
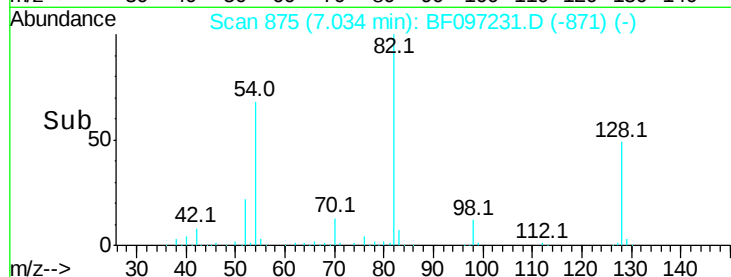
138 0.0 13.1 19.7#



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: 9.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

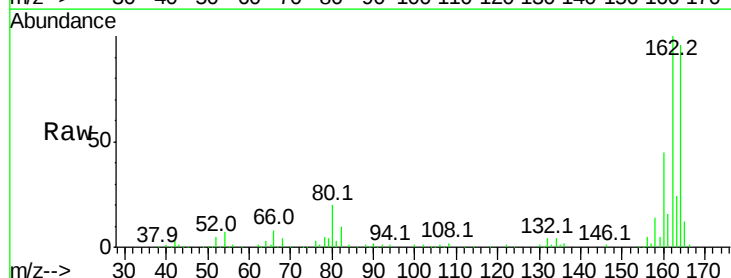
Tgt Ion:164 Resp: 139459

Ion Ratio Lower Upper

164 100

162 104.4 82.6 123.8

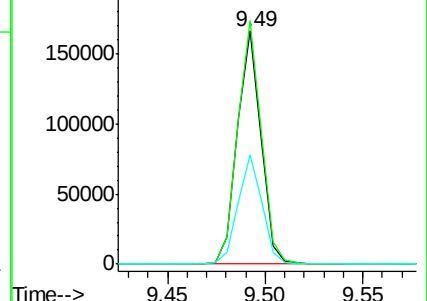
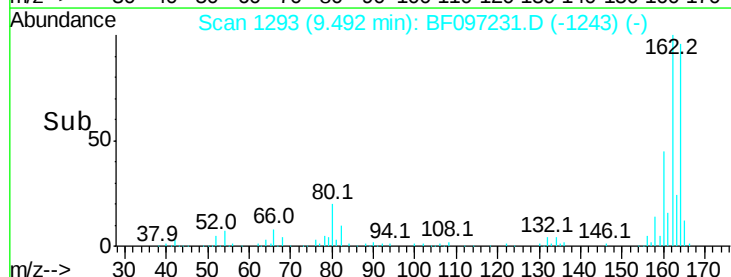
160 46.7 36.2 54.2

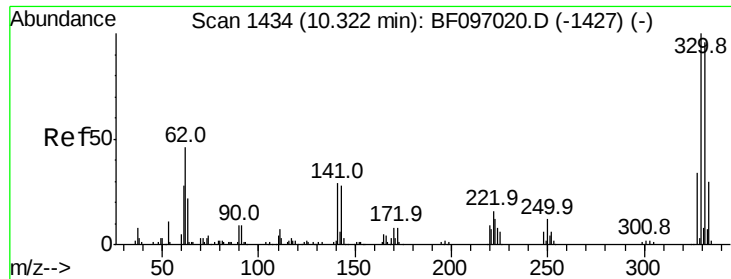


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 108.290 ng

RT: 10.28 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-D

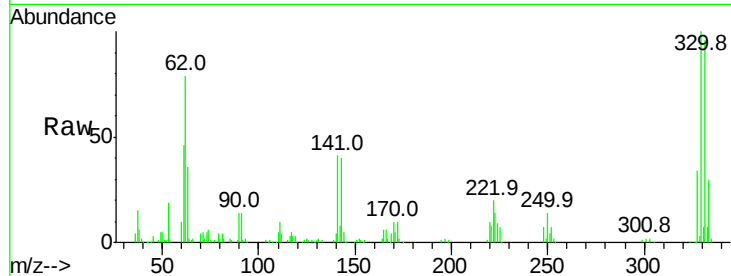
Tot Ion:330 Resp: 119320

Ion Ratio Lower Upper

330 100

332 97.3 76.6 115.0

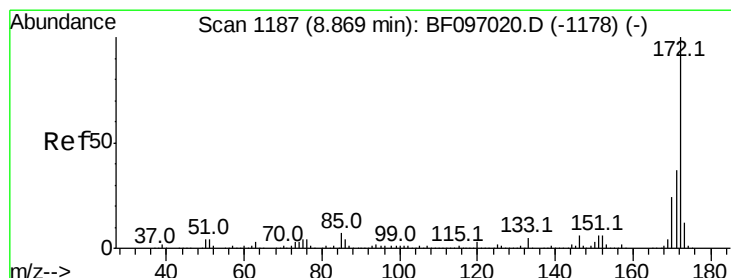
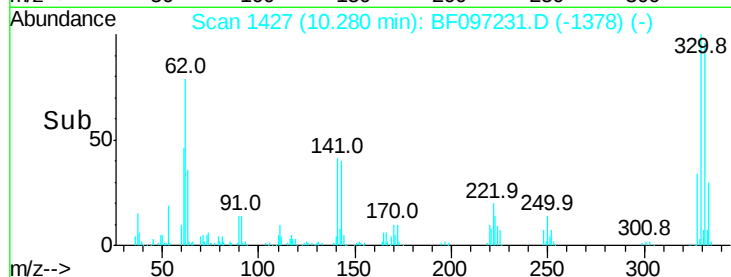
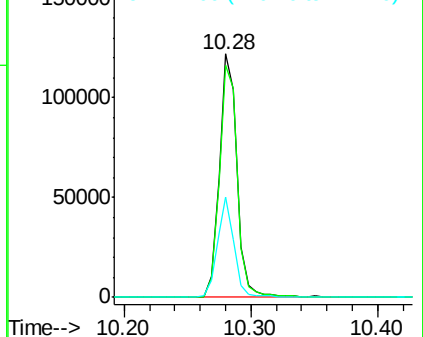
141 39.1 31.4 47.2



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: 93.820 ng

RT: 8.83 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

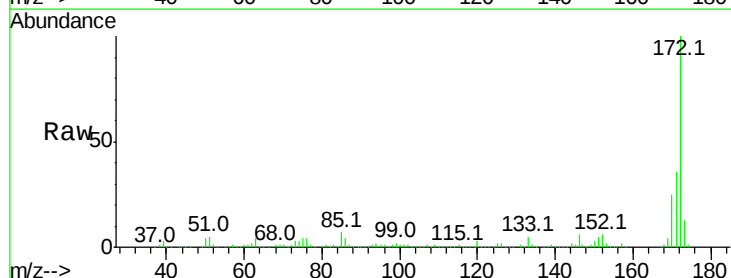
Tgt Ion:172 Resp: 770967

Ion Ratio Lower Upper

172 100

171 36.4 29.6 44.4

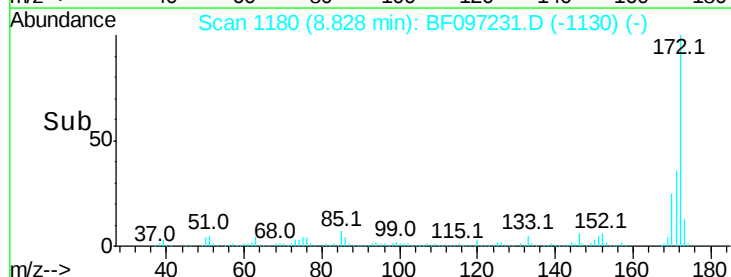
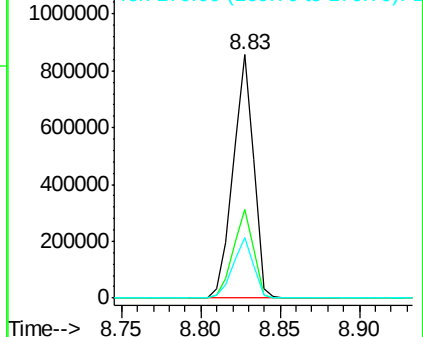
170 24.9 19.8 29.8

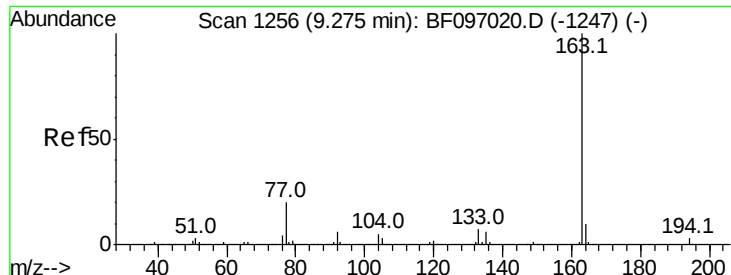


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

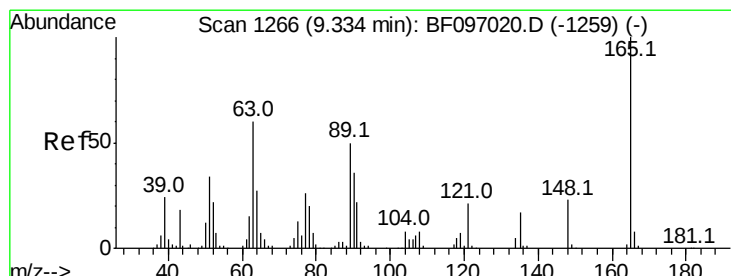
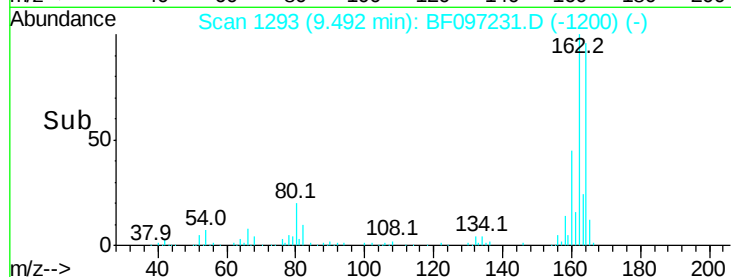
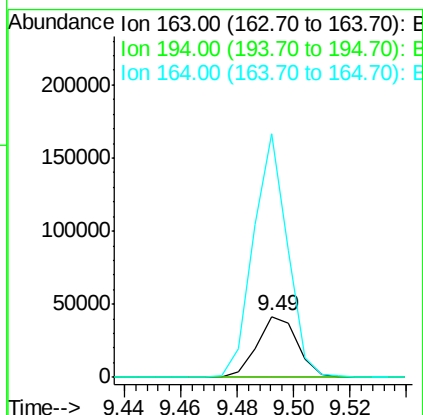
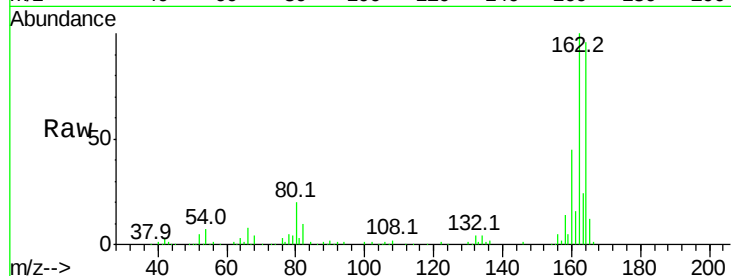




#49
Dimethylphthalate
Concen: 3.900 ng
RT: 9.49 min Scan# 1293
Delta R.T. 0.25 min
Lab File: BF097231.D
Acq: 1 Aug 2017 14:32

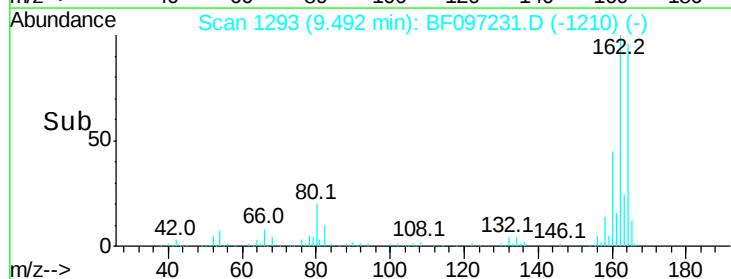
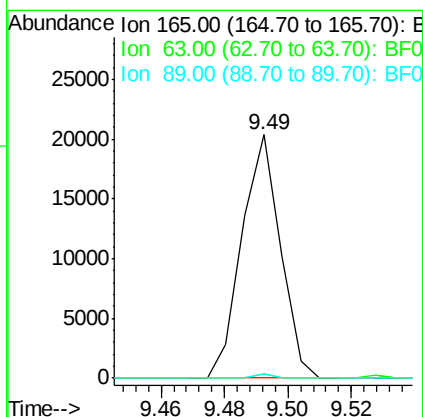
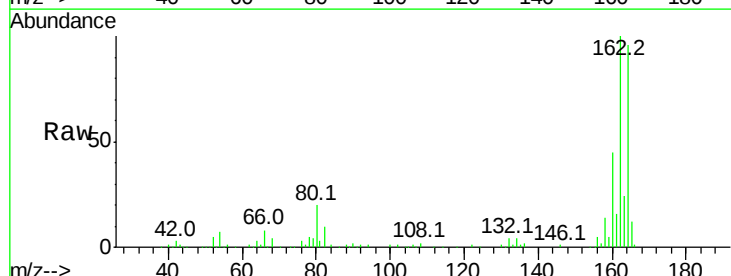
Instrument :
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ClientSampleId :
CL-02-072717-D

Tot Ion:163 Resp: 41302
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 401.3 8.4 12.6#



#50
2,6-Dinitrotoluene
Concen: 7.617 ng
RT: 9.49 min Scan# 1293
Delta R.T. 0.19 min
Lab File: BF097231.D
Acq: 1 Aug 2017 14:32

Tgt Ion:165 Resp: 17109
Ion Ratio Lower Upper
165 100
63 1.8 34.3 51.5#
89 1.8 37.1 55.7#

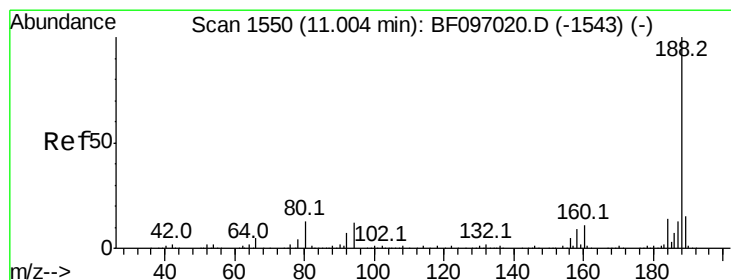
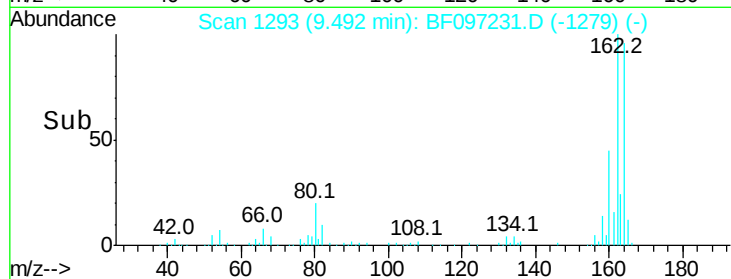
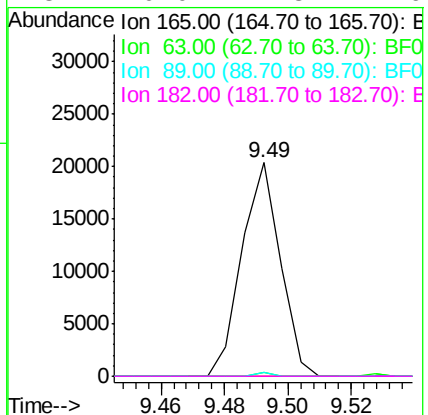
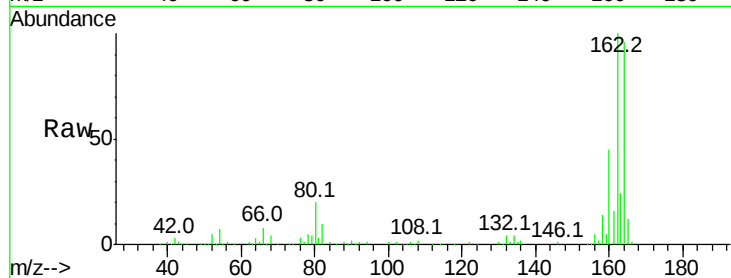




#56
 2,4-Dinitrotoluene
 Concen: 6.626 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.22 min
 Lab File: BF097231.D
 Acq: 1 Aug 2017 14:32

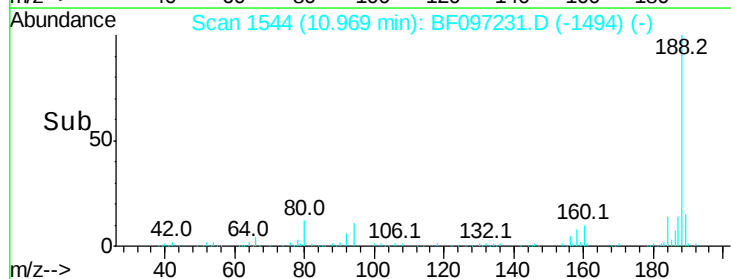
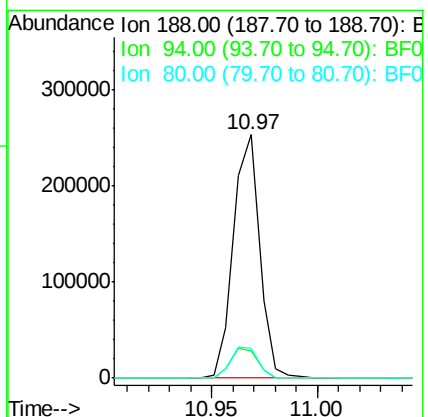
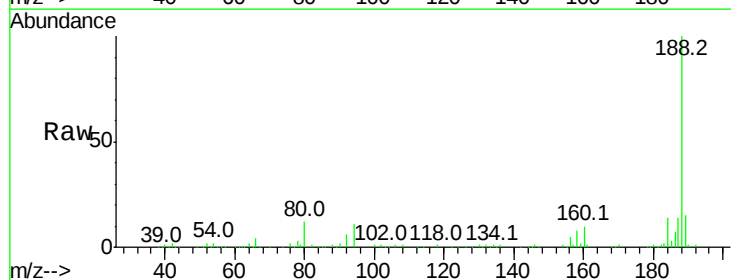
Instrument :
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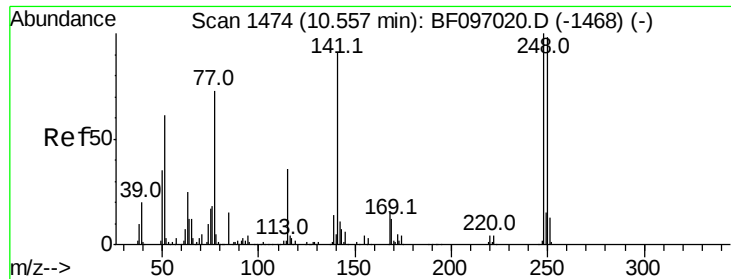
Tot Ion:165 Resp: 17109
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 1.8 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.97 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF097231.D
 Acq: 1 Aug 2017 14:32

Tgt Ion:188 Resp: 217053
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 12.4 10.2 15.2

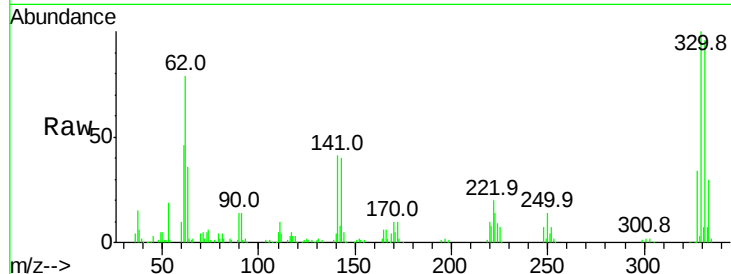




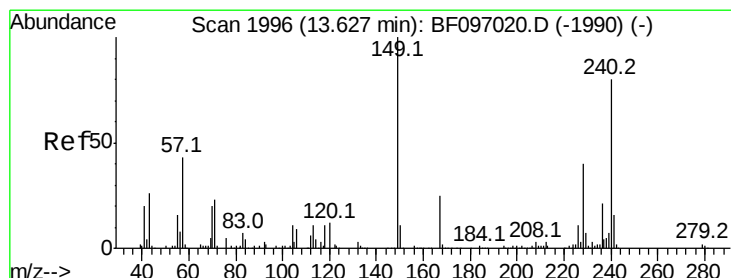
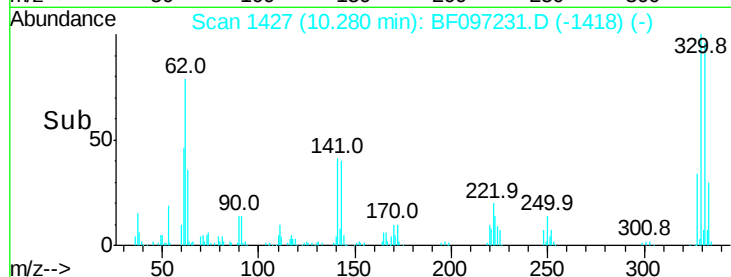
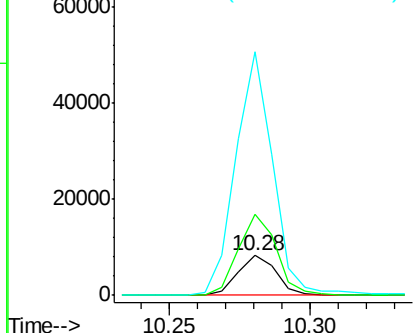
#66
 4-Bromophenyl-phenylether
 Concen: 3.606 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.25 min
 Lab File: BF097231.D
 Acq: 1 Aug 2017 14:32

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-D

Tot Ion:248 Resp: 7812
 Ion Ratio Lower Upper
 248 100
 250 203.6 76.8 115.2#
 141 611.1 68.6 103.0#

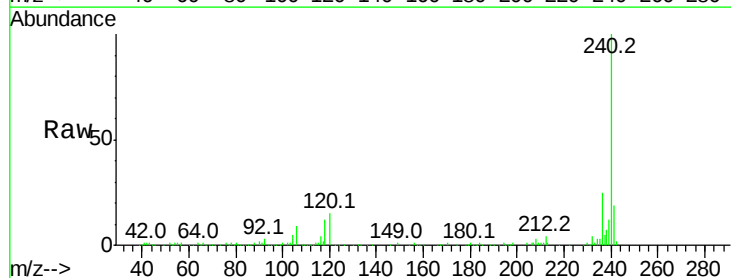


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

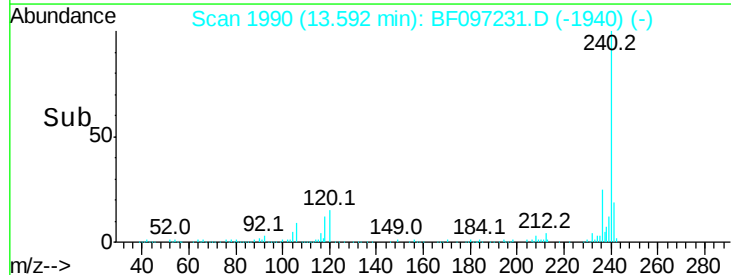
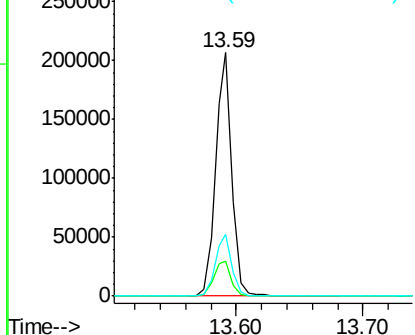


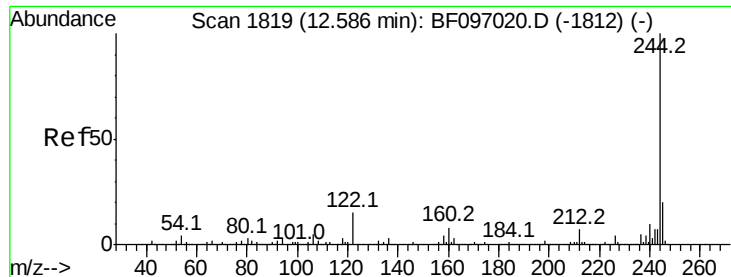
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.59 min Scan# 1990
 Delta R.T. -0.01 min
 Lab File: BF097231.D
 Acq: 1 Aug 2017 14:32

Tgt Ion:240 Resp: 185443
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.8 8.8#
 236 25.5 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: 57.643 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-D

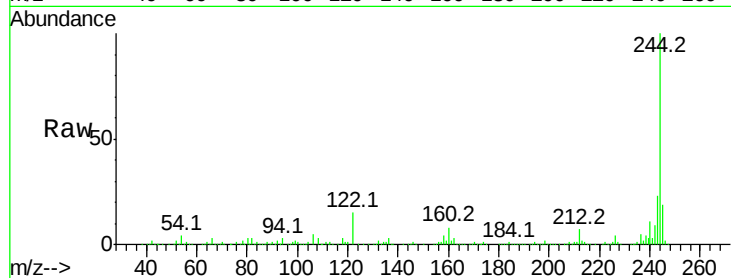
Tot Ion:244 Resp: 524291

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

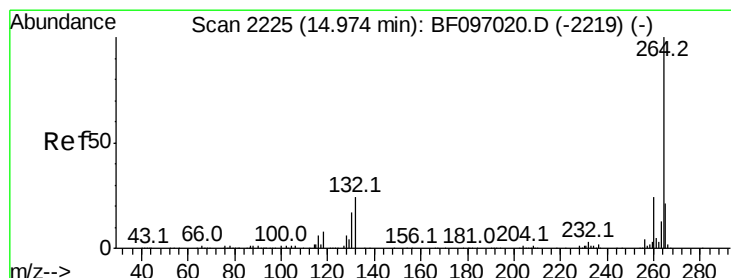
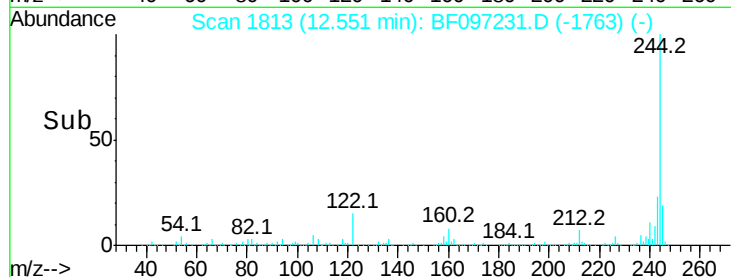
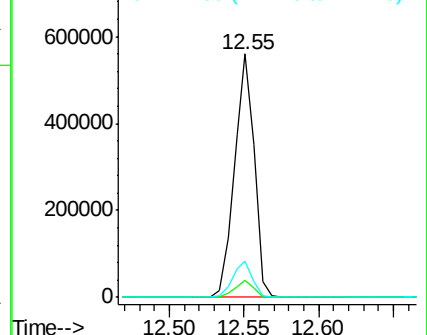
122 15.0 10.3 15.5



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

Perylene-d12

Concen: 20.000 ng

RT: 14.93 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF097231.D

Acq: 1 Aug 2017 14:32

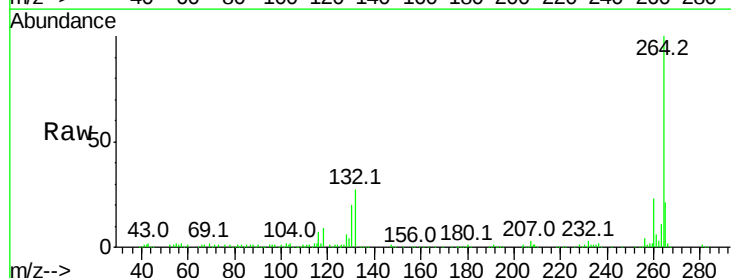
Tgt Ion:264 Resp: 153787

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

265 21.3 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

