

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097229.D
 Acq On : 1 Aug 2017 13:37
 Operator : SJ/JU
 Sample : I4488-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Aug 01 14:59:18 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

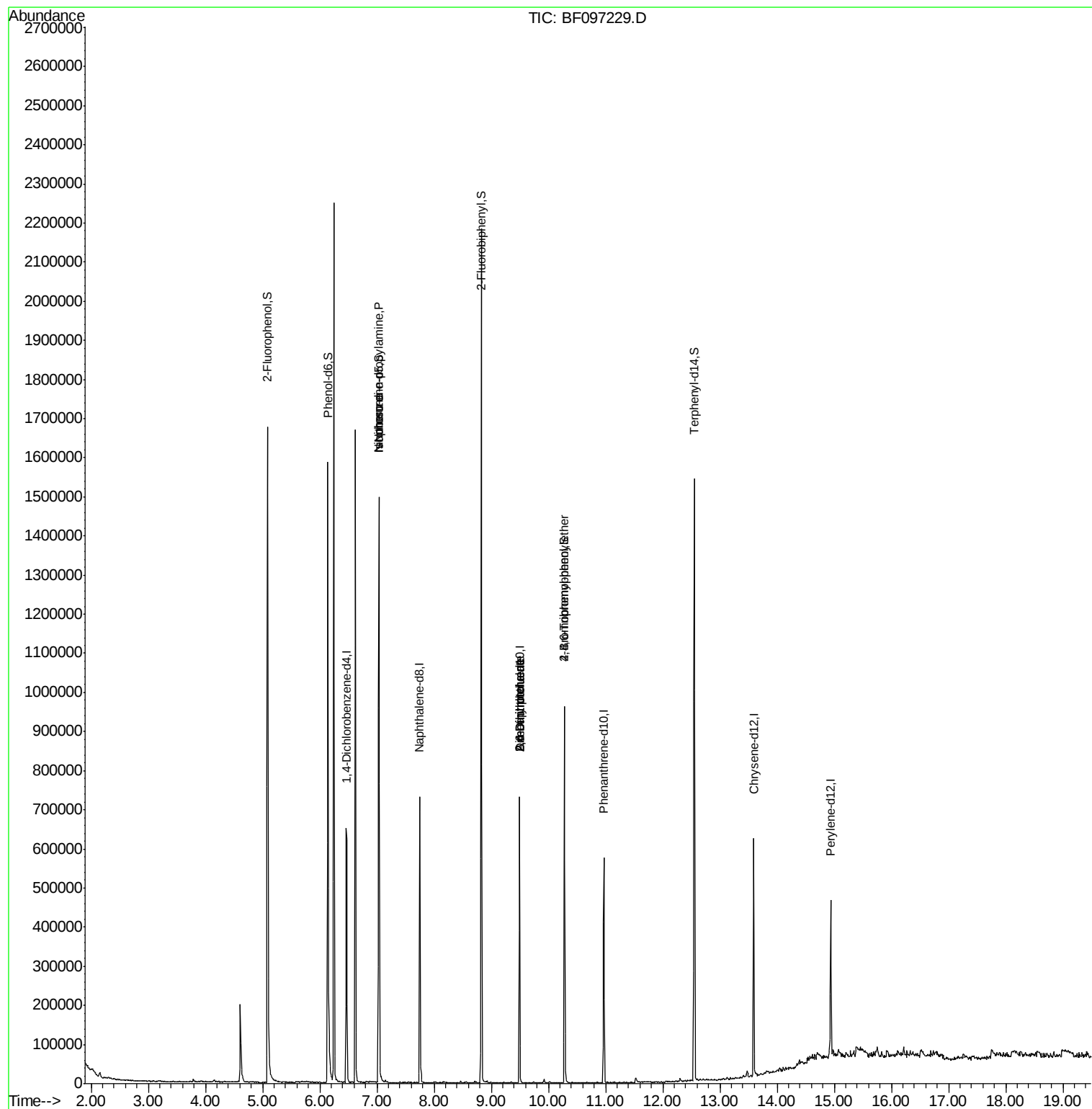
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.47	152	98469	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	344132	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	133208	20.00	ng	0.00
63) Phenanthrene-d10	10.97	188	186987	20.00	ng	0.00
75) Chrysene-d12	13.59	240	191810	20.00	ng	0.00
86) Perylene-d12	14.94	264	150450	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.08	112	541313	82.87	ng	0.00
7) Phenol-d6	6.14	99	594429	79.71	ng	-0.01
23) Nitrobenzene-d5	7.03	82	425068	72.46	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	95514	90.75	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	636082	81.04	ng	0.00
78) Terphenyl-d14	12.55	244	447390	47.56	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.03	70	55737	11.355	ng	# 84
25) Isophorone	7.03	82	418144	36.398	ng	# 67
49) Dimethylphthalate	9.50	163	39619	3.917	ng	# 1
50) 2,6-Dinitrotoluene	9.49	165	16075	7.493	ng	# 33
56) 2,4-Dinitrotoluene	9.49	165	16075	6.518	ng	# 32
66) 4-Bromophenyl-phenylether	10.28	248	6563	3.517	ng	# 1

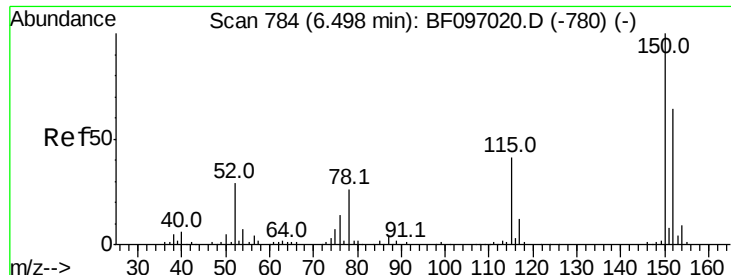
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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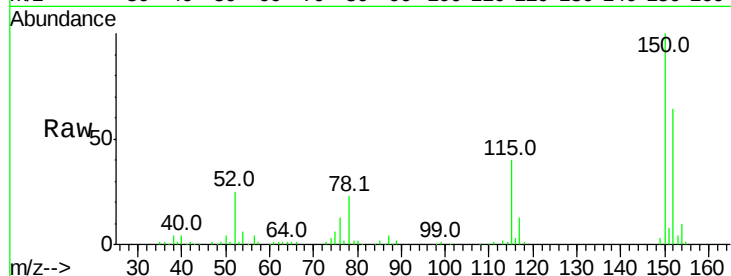


#1

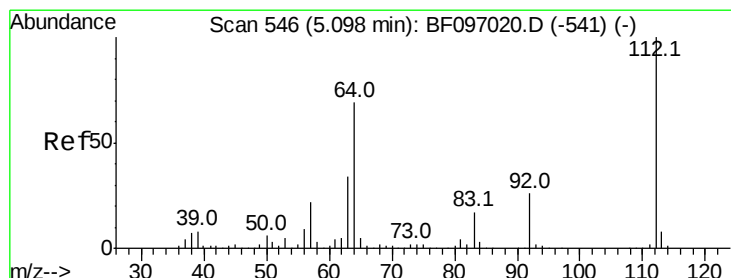
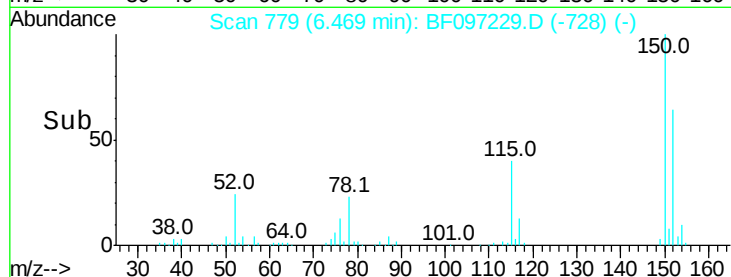
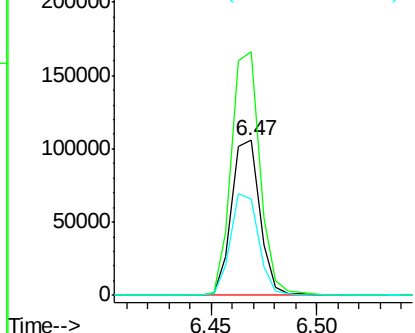
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.47 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF097229.D
Acq: 1 Aug 2017 13:37

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

Tot Ion:152 Resp: 98469
Ion Ratio Lower Upper
152 100
150 157.2 126.2 189.2
115 62.5 52.2 78.2



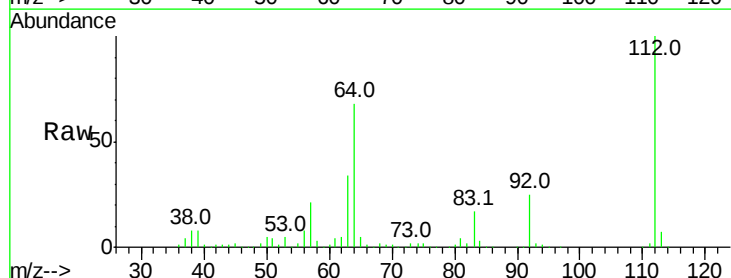
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



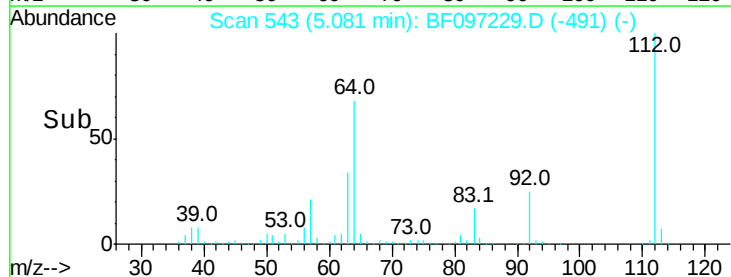
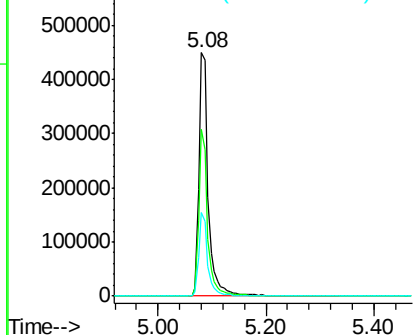
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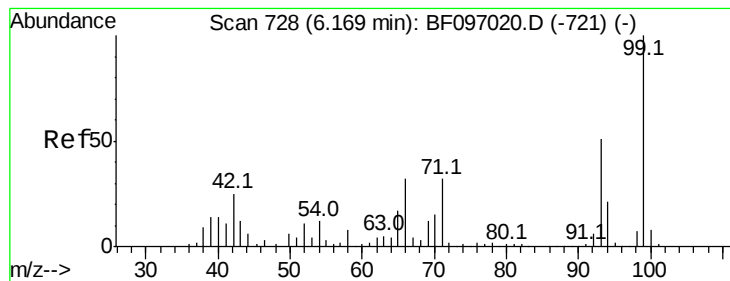
2-Fluorophenol
Concen: 82.871 ng
RT: 5.08 min Scan# 543
Delta R.T. 0.01 min
Lab File: BF097229.D
Acq: 1 Aug 2017 13:37

Tgt Ion:112 Resp: 541313
Ion Ratio Lower Upper
112 100
64 68.5 46.0 69.0
63 34.5 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: 79.714 ng

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

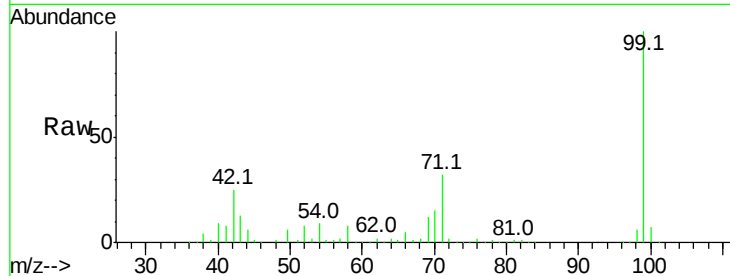
Tot Ion: 99 Resp: 594429

Ion Ratio Lower Upper

99 100

42 24.5 13.5 20.3#

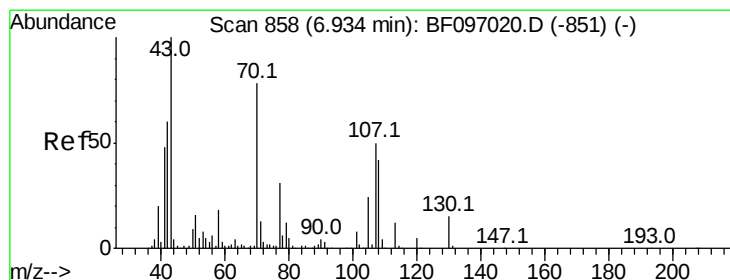
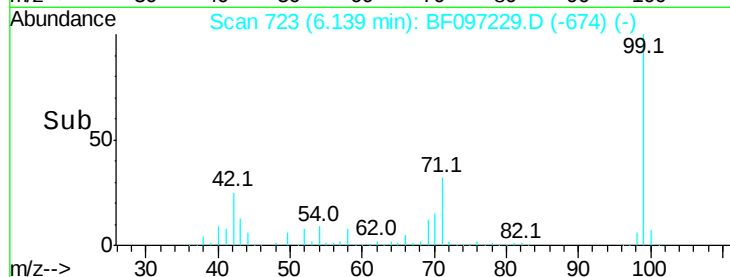
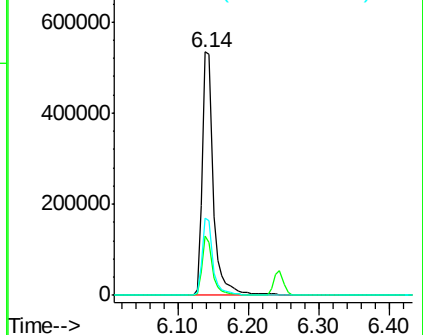
71 31.6 24.5 36.7



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: 11.355 ng

RT: 7.03 min Scan# 875

Delta R.T. 0.12 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

Tgt Ion: 70 Resp: 55737

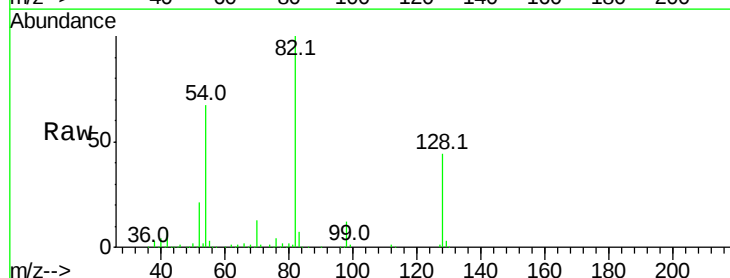
Ion Ratio Lower Upper

70 100

42 64.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

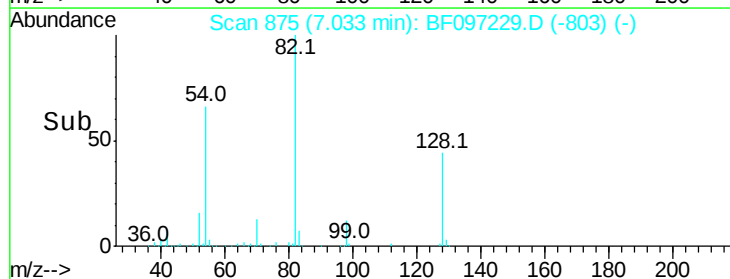
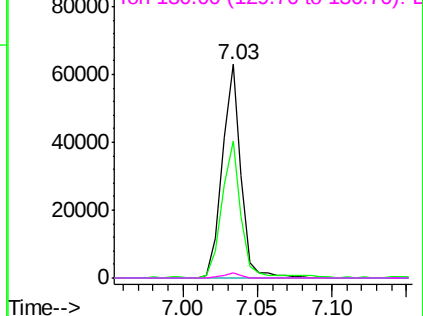


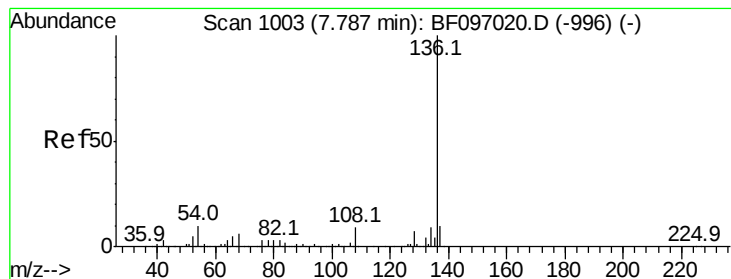
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF097229.D

Acq: 1 Aug 2017 13:37

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

Tot Ion:136 Resp: 344132

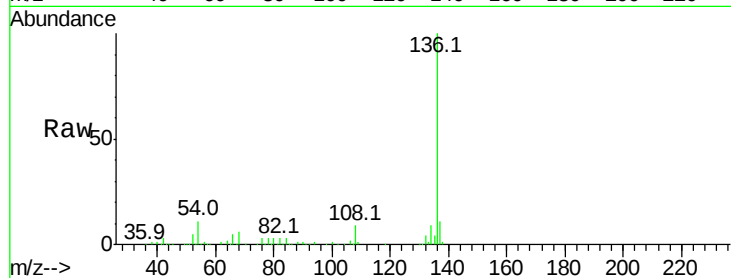
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 10.9 4.9 7.3#

68 5.8 4.1 6.1

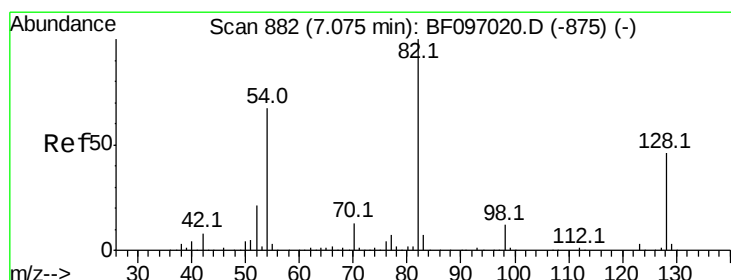
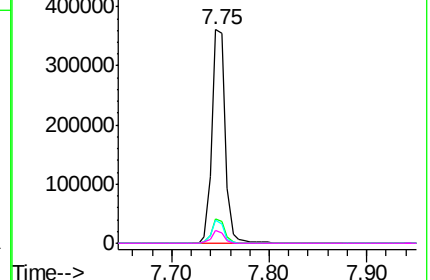
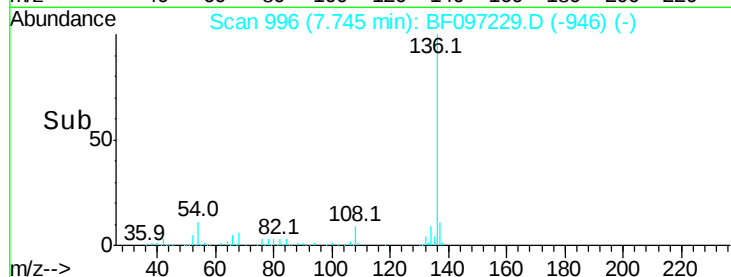


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.461 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.01 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

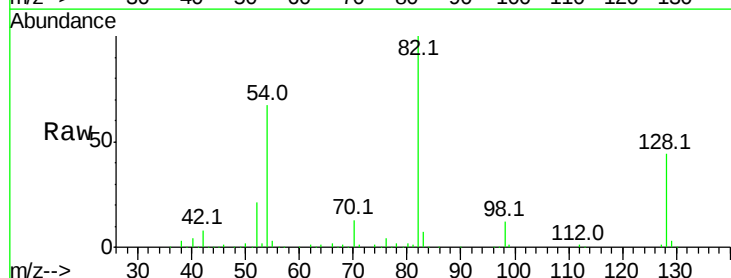
Tgt Ion: 82 Resp: 425068

Ion Ratio Lower Upper

82 100

128 44.4 34.0 51.0

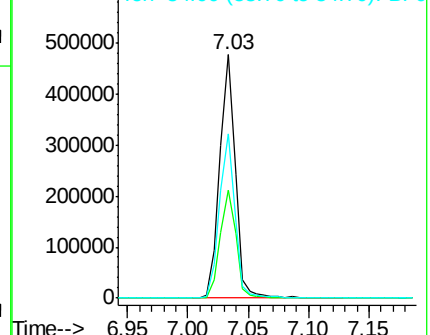
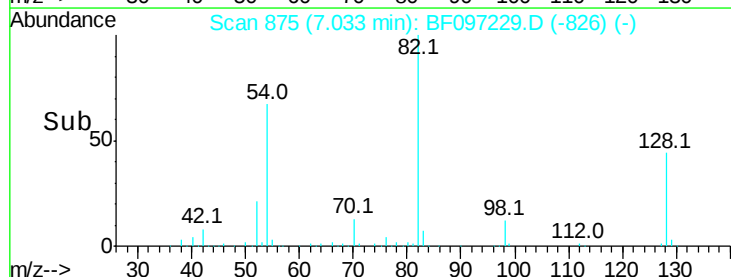
54 67.5 42.2 63.2#

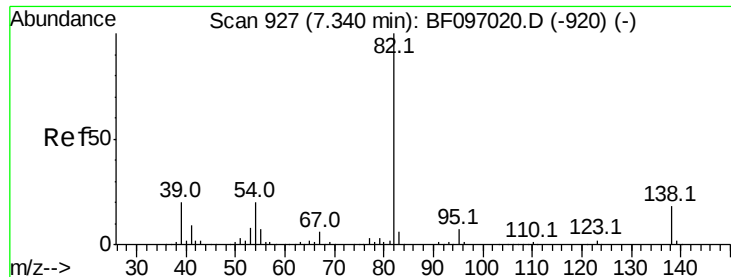


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 36.398 ng

RT: 7.03 min Scan# 875

Delta R.T. -0.28 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

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ClientSampleId :

CL-02-072717-B

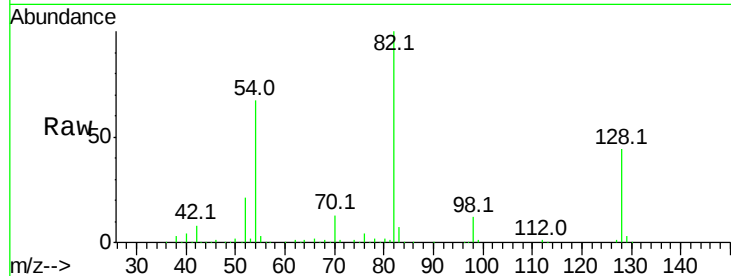
Tot Ion: 82 Resp: 418144

Ion Ratio Lower Upper

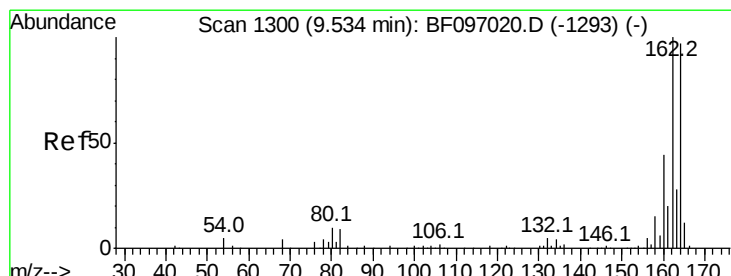
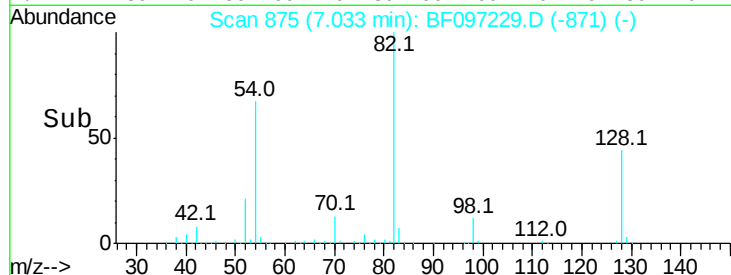
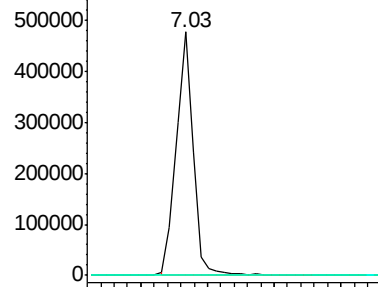
82 100

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: 20.000 ng

RT: 9.49 min Scan# 1293

Delta R.T. -0.01 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

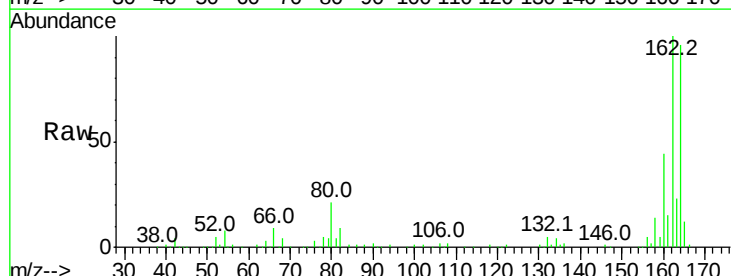
Tgt Ion:164 Resp: 133208

Ion Ratio Lower Upper

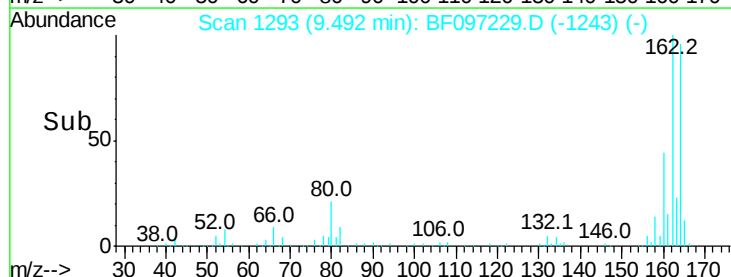
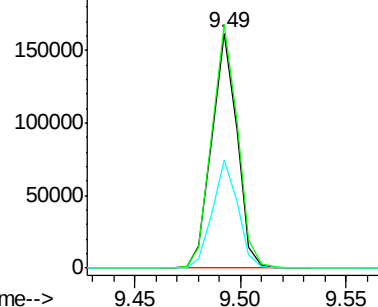
164 100

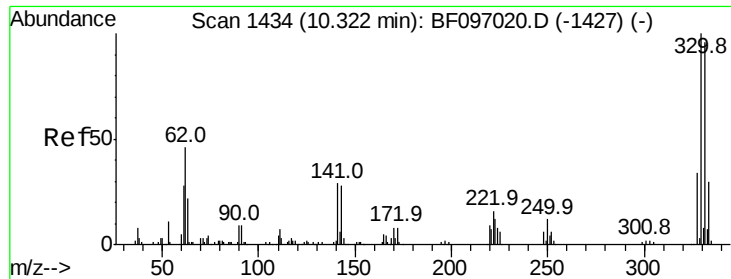
162 103.7 82.6 123.8

160 46.1 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

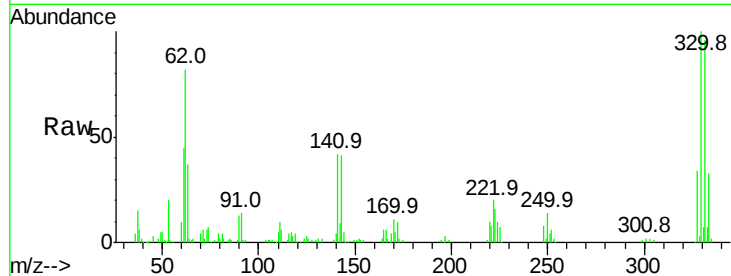




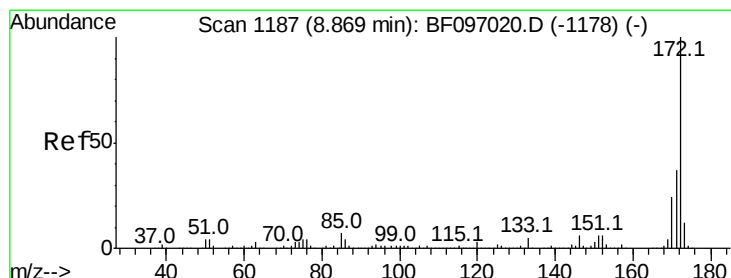
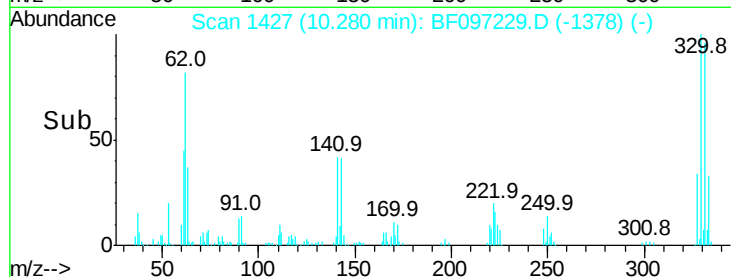
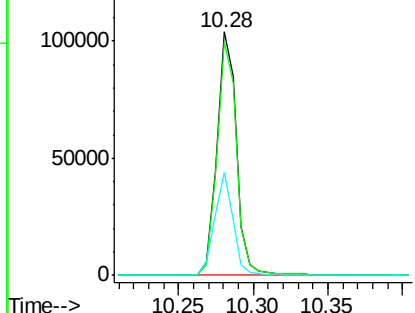
#41
 2,4,6-Tribromophenol
 Concen: 90.752 ng
 RT: 10.28 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF097229.D
 Acq: 1 Aug 2017 13:37

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

Tot Ion:330 Resp: 95514
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 115.0
 141 39.7 31.4 47.2

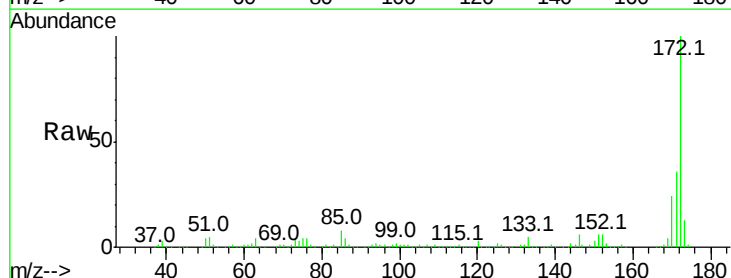


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

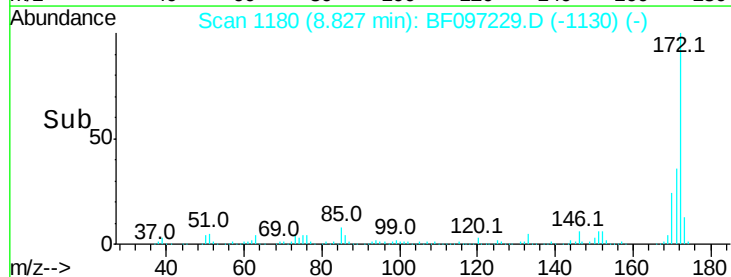
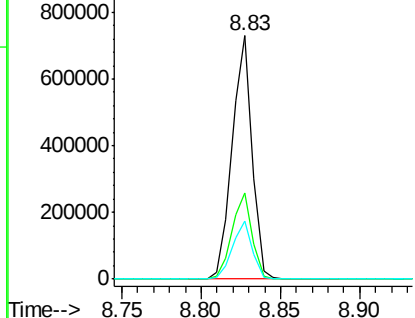


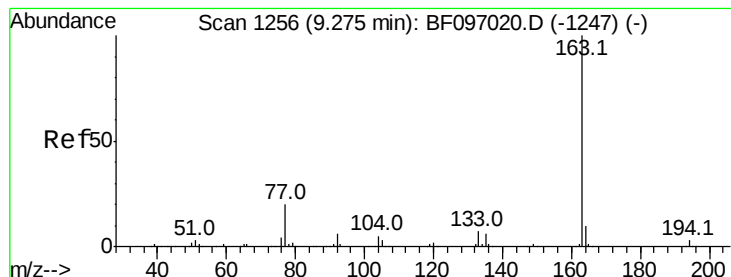
#44
 2-Fluorobiphenyl
 Concen: 81.038 ng
 RT: 8.83 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: BF097229.D
 Acq: 1 Aug 2017 13:37

Tgt Ion:172 Resp: 636082
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.8 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: 3.917 ng

RT: 9.50 min Scan# 1294

Delta R.T. 0.25 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

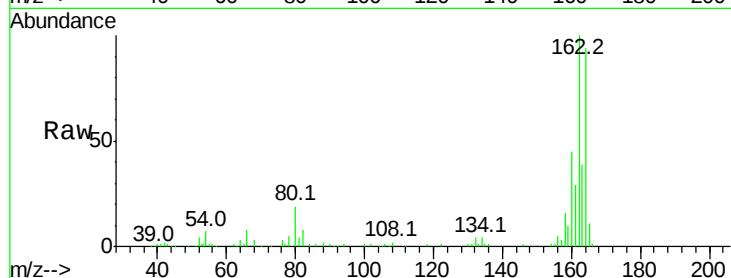
Tot Ion:163 Resp: 39619

Ion Ratio Lower Upper

163 100

194 0.0 2.6 4.0#

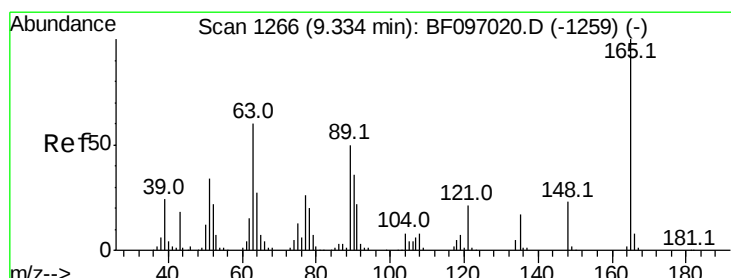
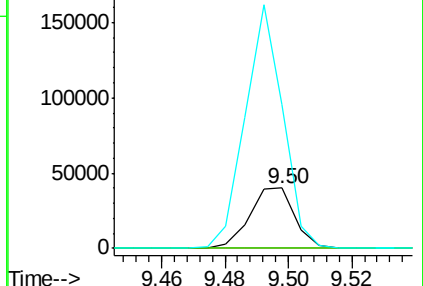
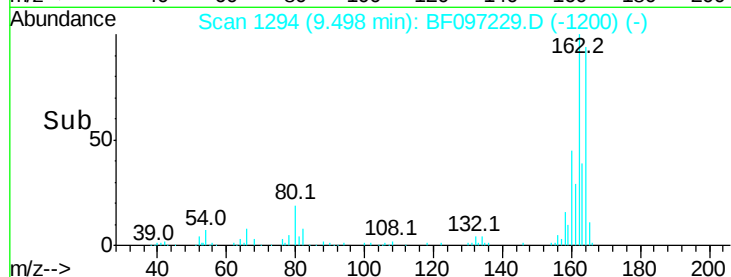
164 238.8 8.4 12.6#



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: 7.493 ng

RT: 9.49 min Scan# 1293

Delta R.T. 0.19 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

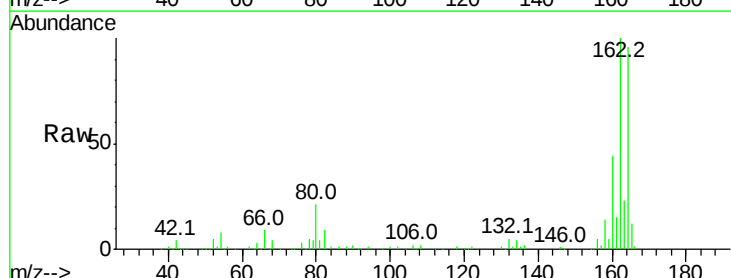
Tgt Ion:165 Resp: 16075

Ion Ratio Lower Upper

165 100

63 1.6 34.3 51.5#

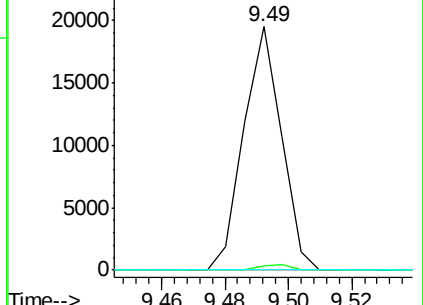
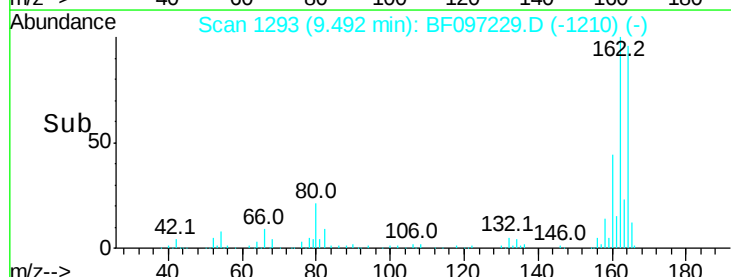
89 0.0 37.1 55.7#

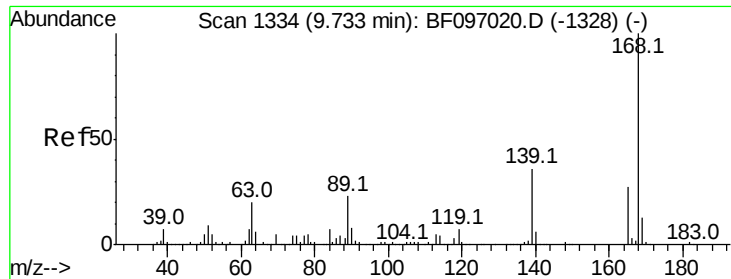


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

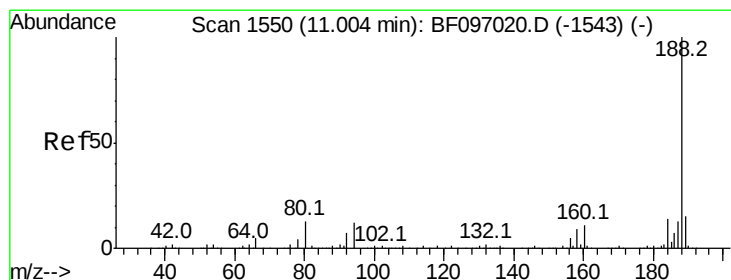
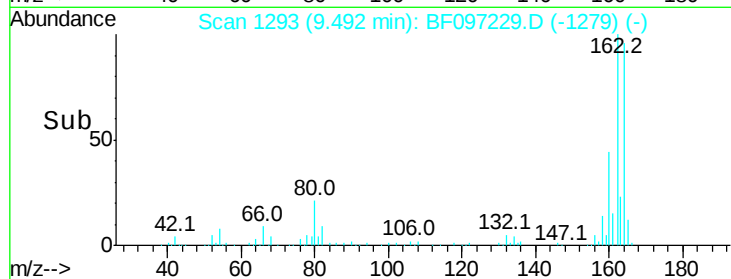
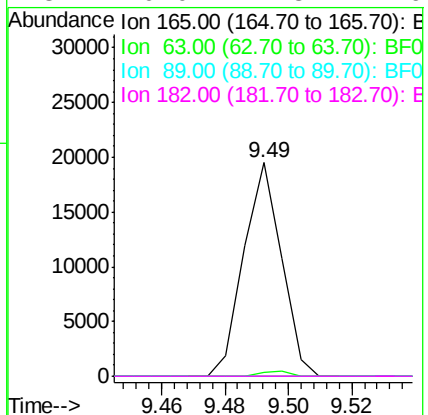
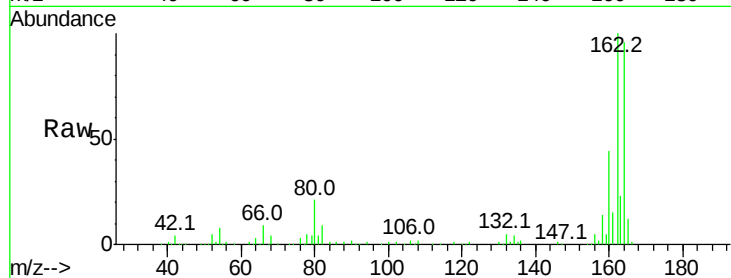




#56
 2,4-Dinitrotoluene
 Concen: 6.518 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.22 min
 Lab File: BF097229.D
 Acq: 1 Aug 2017 13:37

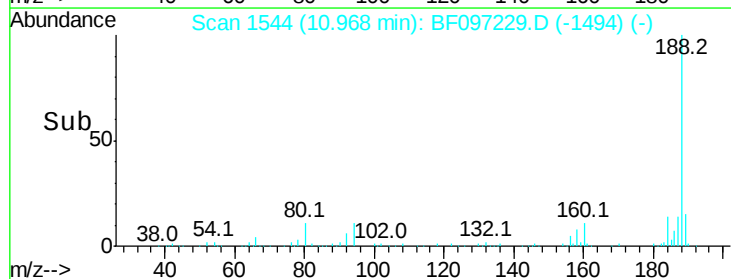
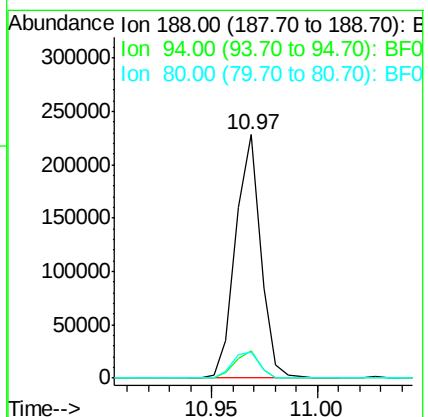
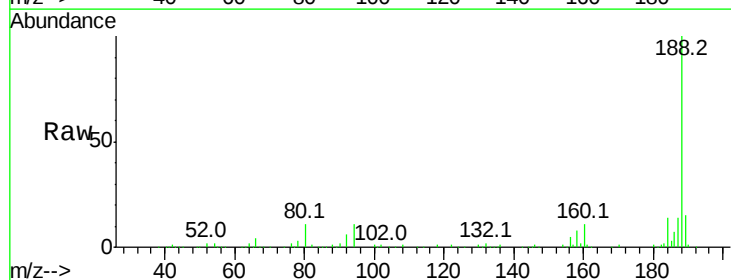
Instrument :
 BNA_F
 ClientSampleId :
 CL-02-072717-B

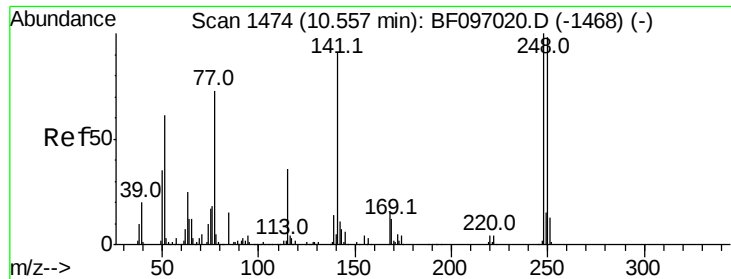
Tot Ion:165 Resp: 16075
 Ion Ratio Lower Upper
 165 100
 63 1.6 25.4 38.0#
 89 0.0 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.97 min Scan# 1544
 Delta R.T. -0.01 min
 Lab File: BF097229.D
 Acq: 1 Aug 2017 13:37

Tgt Ion:188 Resp: 186987
 Ion Ratio Lower Upper
 188 100
 94 11.0 9.4 14.2
 80 10.9 10.2 15.2

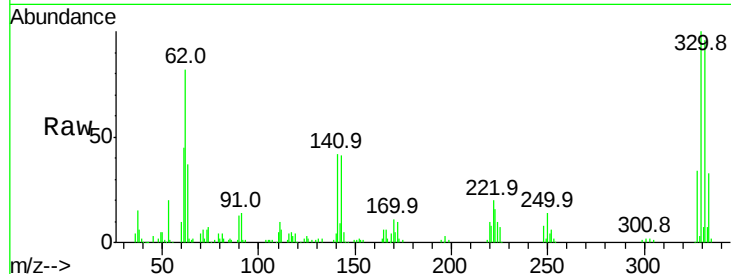




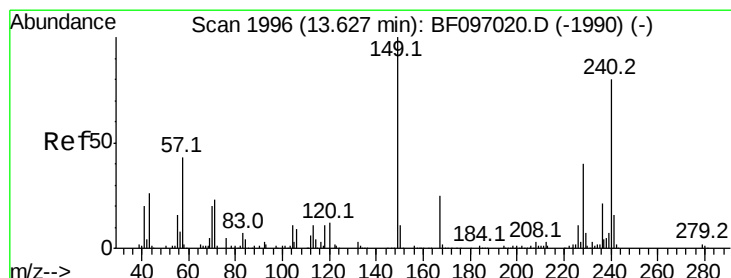
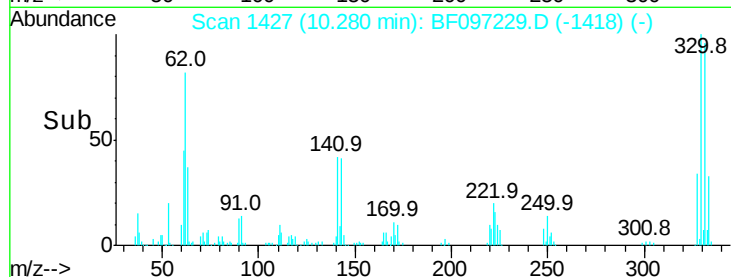
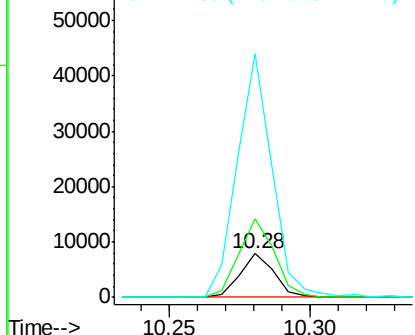
#66
4-Bromophenyl-phenylether
Concen: 3.517 ng
RT: 10.28 min Scan# 1427
Delta R.T. -0.25 min
Lab File: BF097229.D
Acq: 1 Aug 2017 13:37

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

Tot Ion:248 Resp: 6563
Ion Ratio Lower Upper
248 100
250 180.9 76.8 115.2#
141 558.3 68.6 103.0#

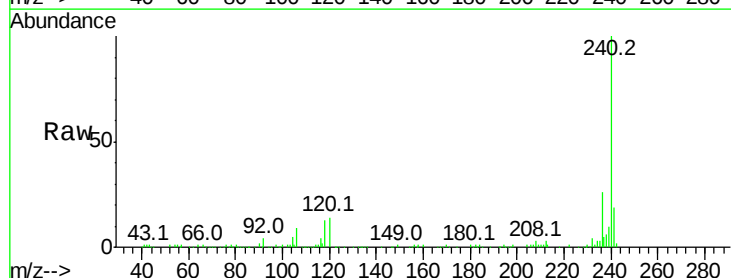


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

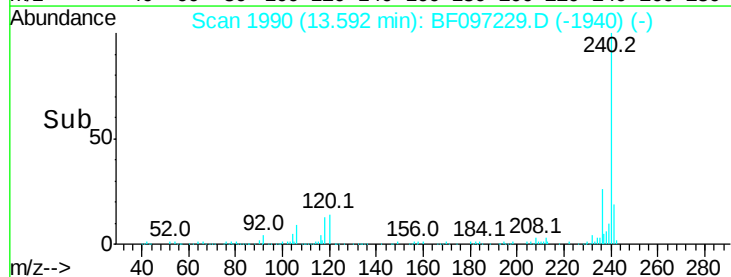
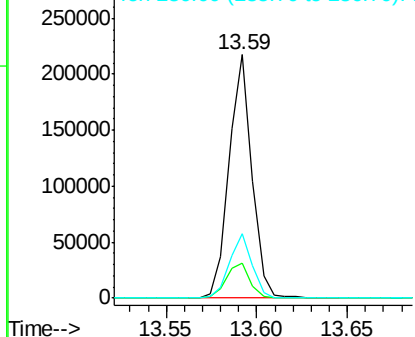


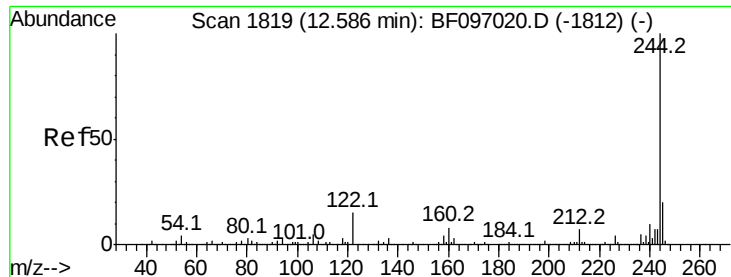
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.59 min Scan# 1990
Delta R.T. -0.01 min
Lab File: BF097229.D
Acq: 1 Aug 2017 13:37

Tgt Ion:240 Resp: 191810
Ion Ratio Lower Upper
240 100
120 14.2 5.8 8.8#
236 26.3 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: 47.556 ng

RT: 12.55 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

Instrument :

BNA_F

ClientSampleId :

CL-02-072717-B

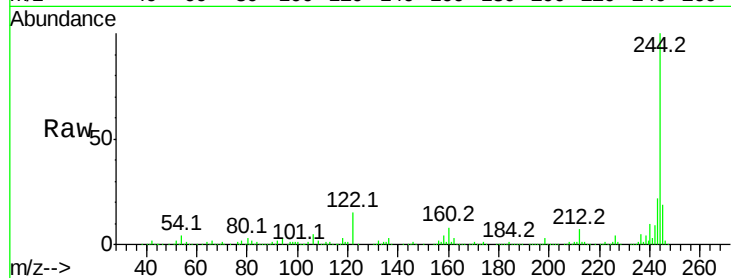
Tot Ion:244 Resp: 447390

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

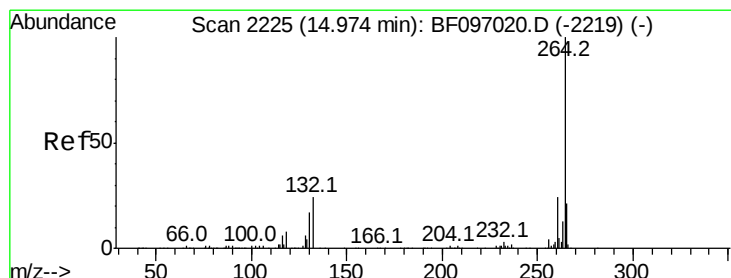
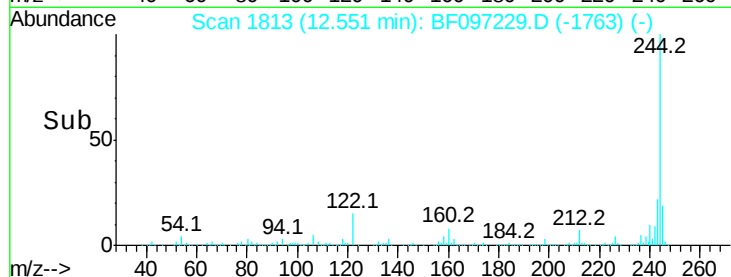
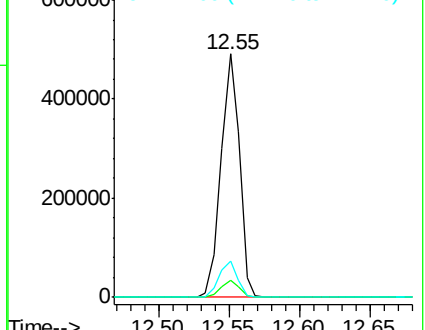
122 14.9 10.3 15.5



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: 14.94 min Scan# 2219

Delta R.T. 0.00 min

Lab File: BF097229.D

Acq: 1 Aug 2017 13:37

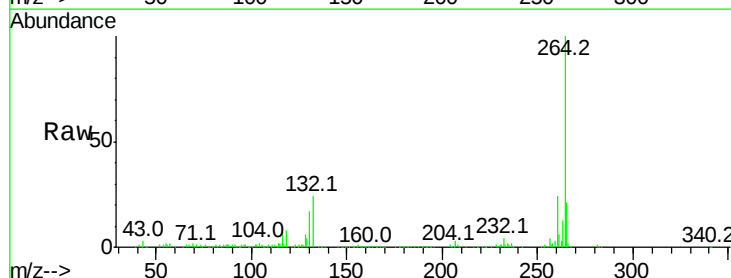
Tgt Ion:264 Resp: 150450

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 21.4 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

