

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097849.D
 Acq On : 18 Aug 2017 22:56
 Operator : SJ/JU
 Sample : I4811-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Quant Time: Aug 19 00:16:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

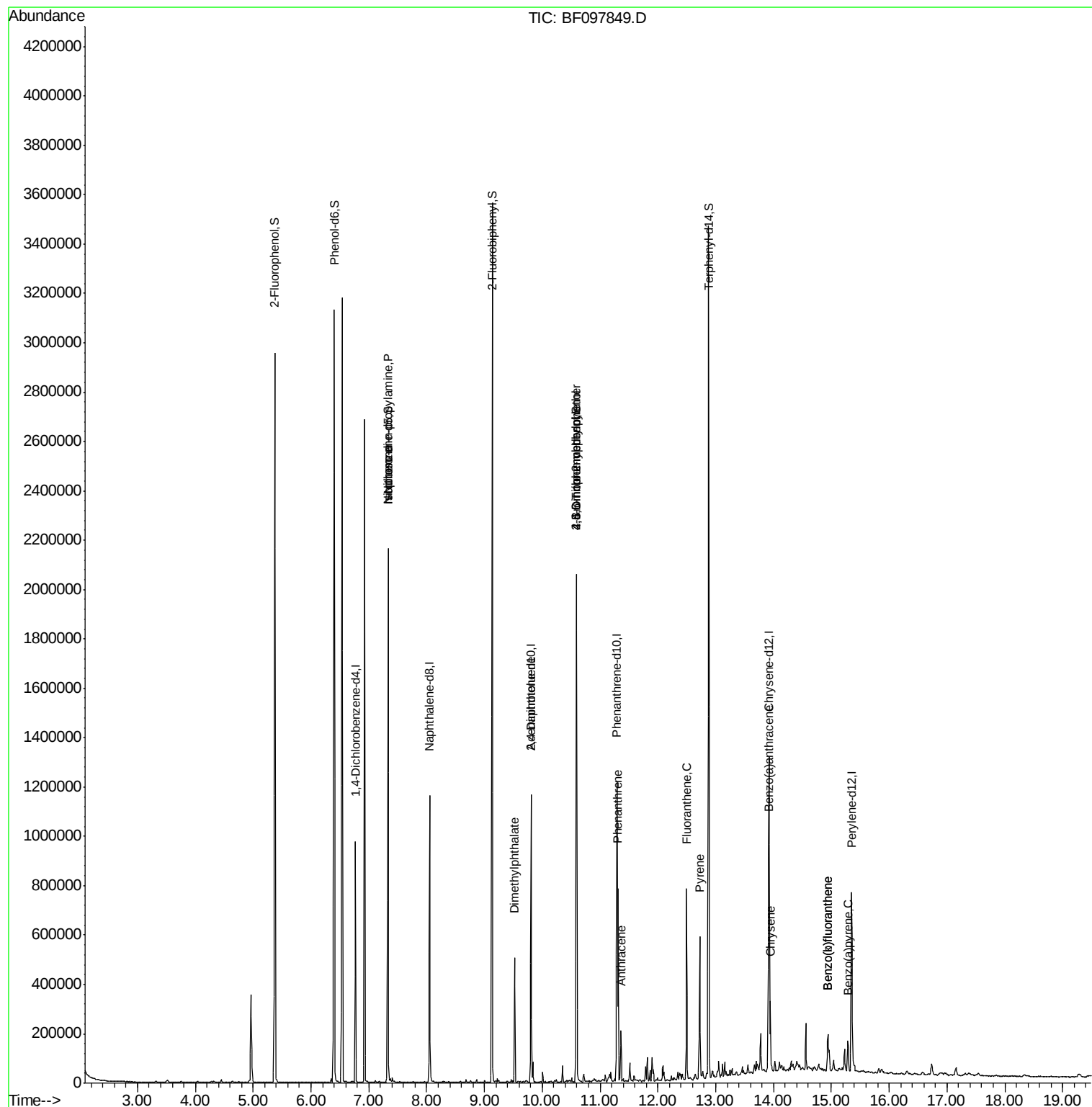
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	119970	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	476084	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	214605	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	441660	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	387292	20.00	ng	-0.02
86) Perylene-d12	15.35	264	304957	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	903027	114.49	ng	-0.01
7) Phenol-d6	6.40	99	1229383	114.72	ng	0.00
23) Nitrobenzene-d5	7.33	82	779696	88.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	250165	134.35	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	1128122	77.23	ng	-0.01
78) Terphenyl-d14	12.88	244	1087928	58.58	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	105687	14.41	ng	# 73
25) Isophorone	7.33	82	779682	42.79	ng	# 67
49) Dimethylphthalate	9.52	163	172954	11.03	ng	99
56) 2,4-Dinitrotoluene	9.80	165	27410	6.98	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.59	198	582	8.55	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	16182	3.53	ng	# 1
70) Phenanthrene	11.31	178	250503	10.64	ng	98
71) Anthracene	11.36	178	66159	2.77	ng	96
74) Fluoranthene	12.50	202	278257	11.33	ng	98
77) Pyrene	12.73	202	238302	7.52	ng	98
80) Benzo(a)anthracene	13.91	228	95048	4.09	ng	99
82) Chrysene	13.94	228	89713	3.89	ng	97
87) Benzo(b)fluoranthene	14.94	252	105805	5.50	ng	98
88) Benzo(k)fluoranthene	14.94	252	105805	5.86	ng	96
89) Benzo(a)pyrene	15.29	252	57385	3.37	ng	98

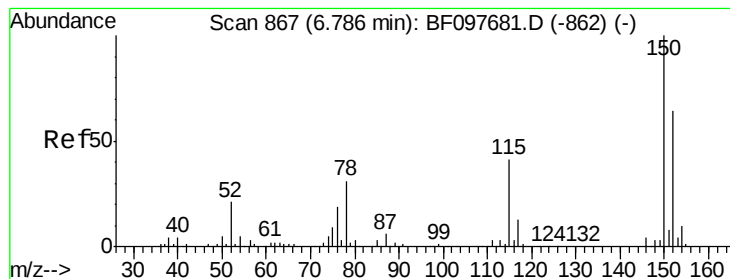
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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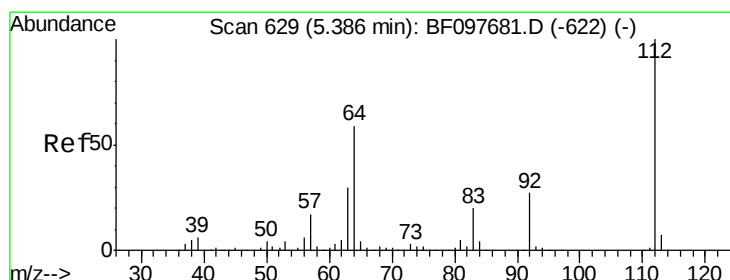
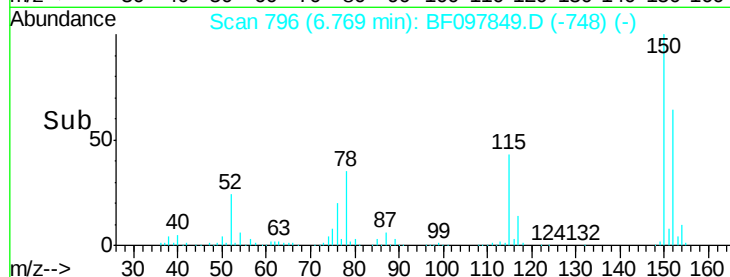
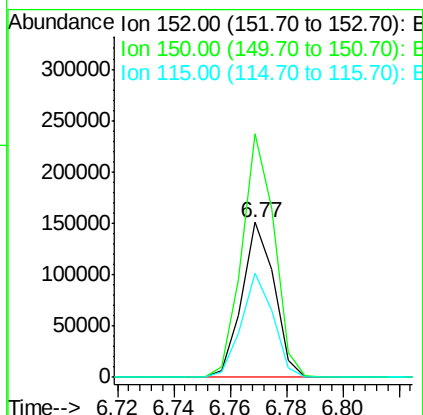
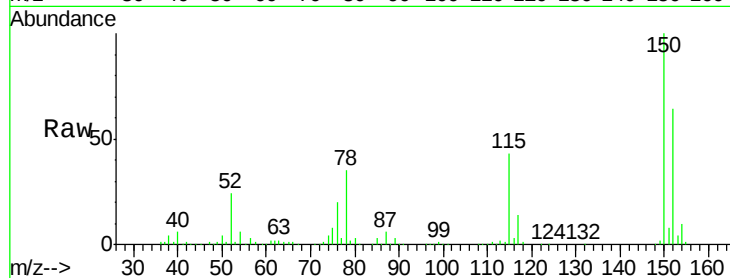


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

Instrument :
BNA_F
ClientSampleId :
DUP

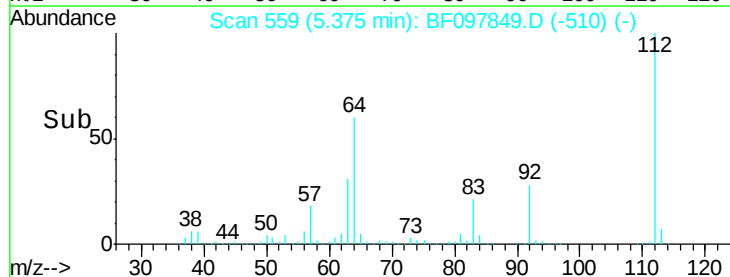
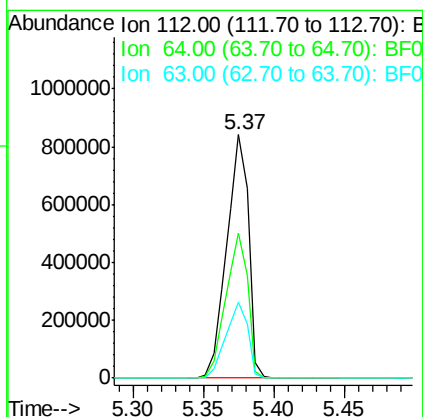
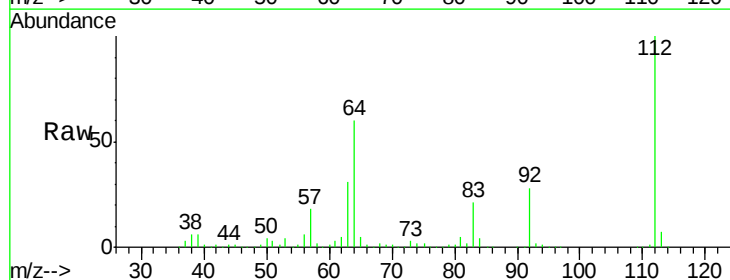
Tot Ion:152 Resp: 119970
Ion Ratio Lower Upper
152 100
150 157.0 126.2 189.2
115 67.5 52.2 78.2

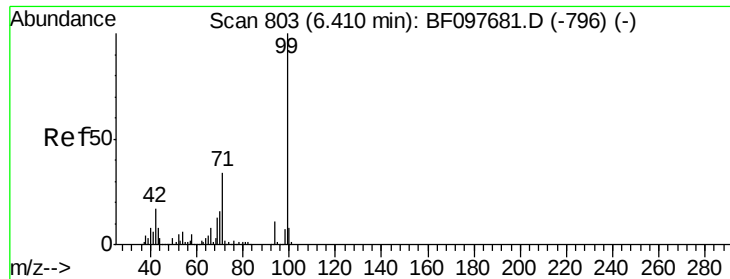


#5

2-Fluorophenol
Concen: 114.49 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

Tgt Ion:112 Resp: 903027
Ion Ratio Lower Upper
112 100
64 59.6 46.0 69.0
63 31.2 23.4 35.0





#7

Phenol-d6

Concen: 114.72 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

Instrument :

BNA_F

ClientSampleId :

DUP

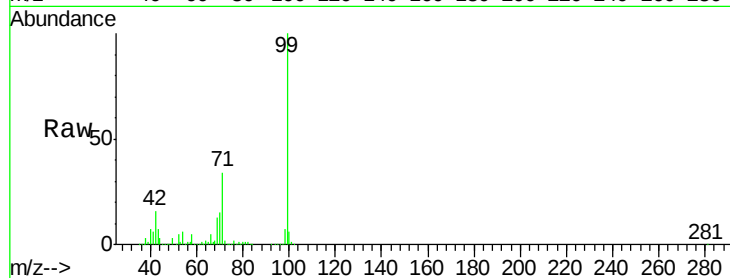
Tot Ion: 99 Resp: 1229383

Ion Ratio Lower Upper

99 100

42 15.9 13.5 20.3

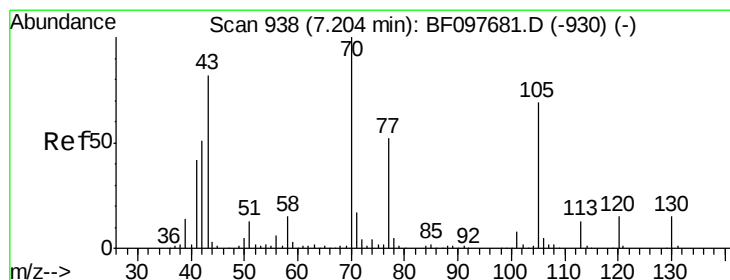
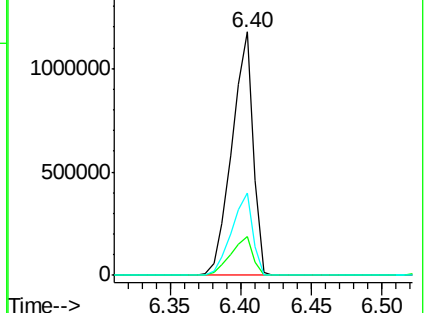
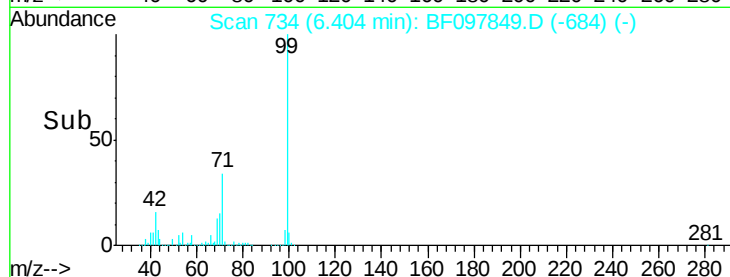
71 33.6 24.5 36.7



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: 14.41 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.13 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

Tgt Ion: 70 Resp: 105687

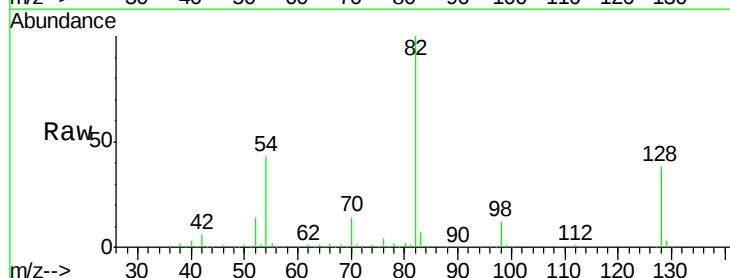
Ion Ratio Lower Upper

70 100

42 41.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

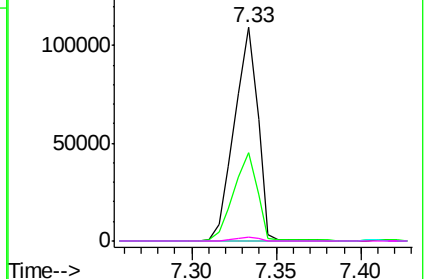
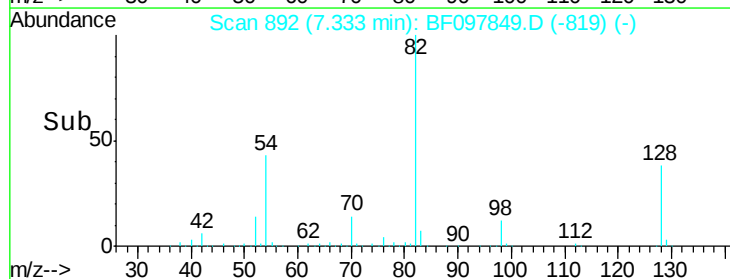


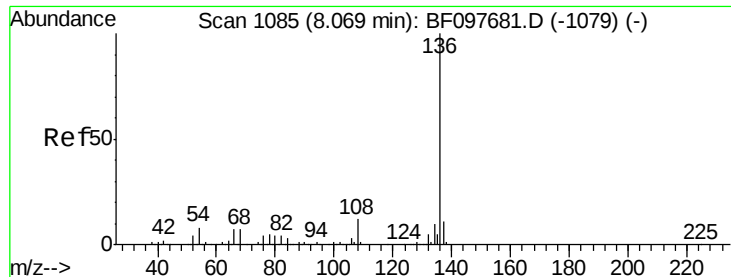
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 8.05 min Scan# 1014

Delta R.T. -0.02 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

Instrument :

BNA_F

ClientSampleId :

DUP

Tot Ion:136 Resp: 476084

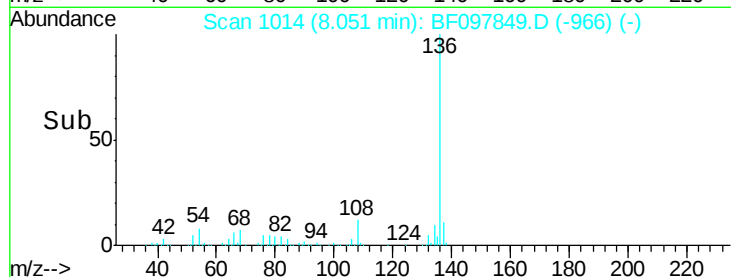
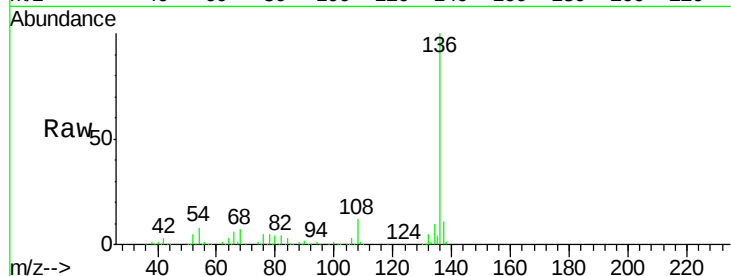
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 8.2 4.9 7.3#

68 7.4 4.1 6.1#

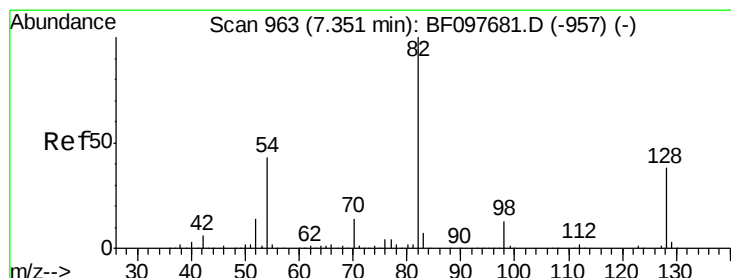
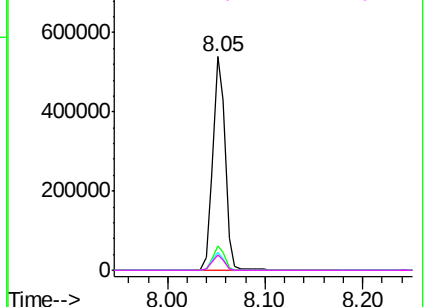


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.97 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.02 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

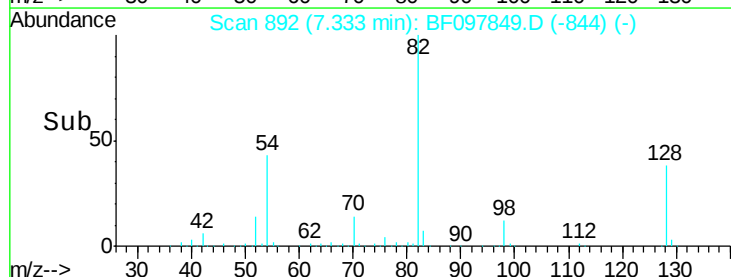
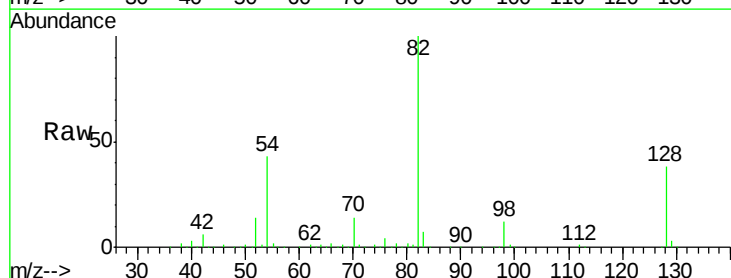
Tgt Ion: 82 Resp: 779696

Ion Ratio Lower Upper

82 100

128 37.8 34.0 51.0

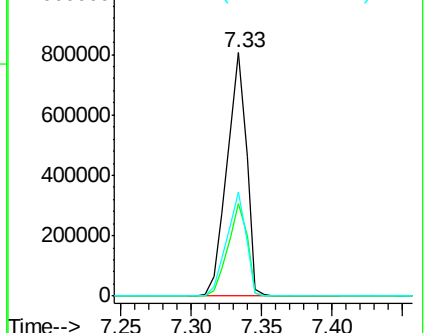
54 42.6 42.2 63.2



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: 42.79 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.28 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

Instrument :

BNA_F

ClientSampleId :

DUP

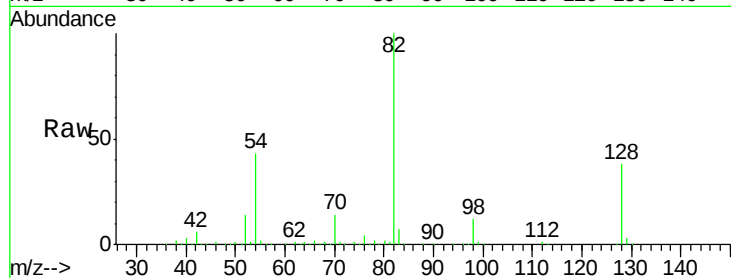
Tot Ion: 82 Resp: 779682

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

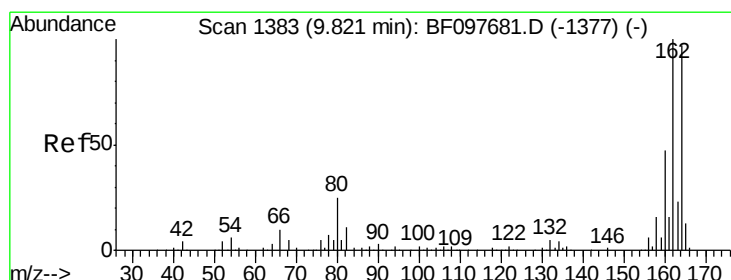
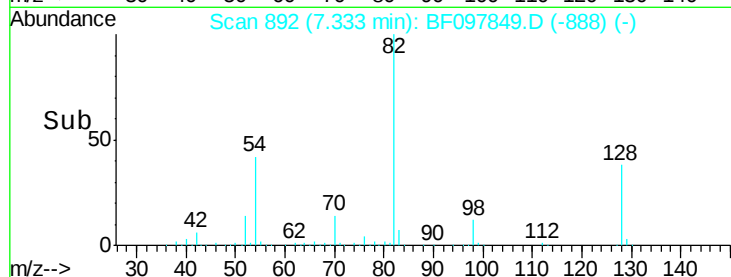
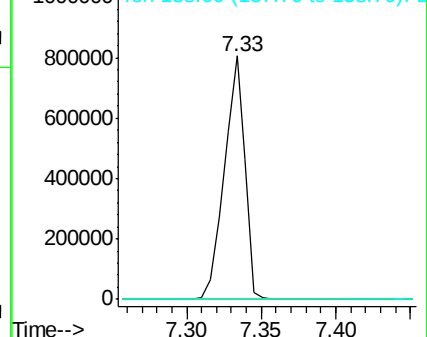
138 0.0 13.1 19.7#



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: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

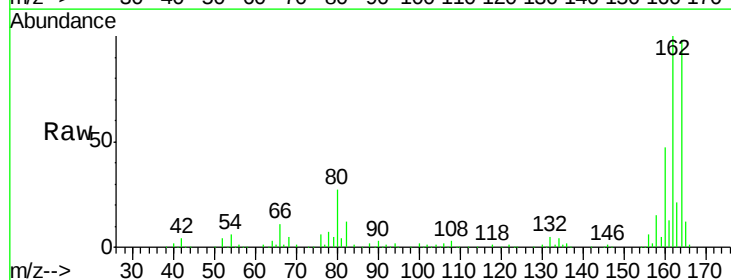
Tgt Ion:164 Resp: 214605

Ion Ratio Lower Upper

164 100

162 102.2 82.6 123.8

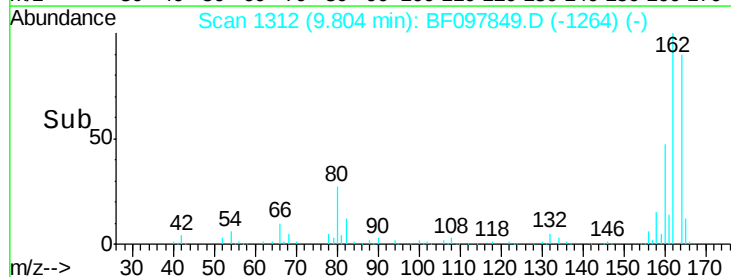
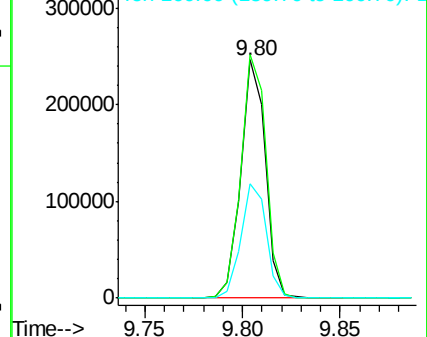
160 48.1 36.2 54.2

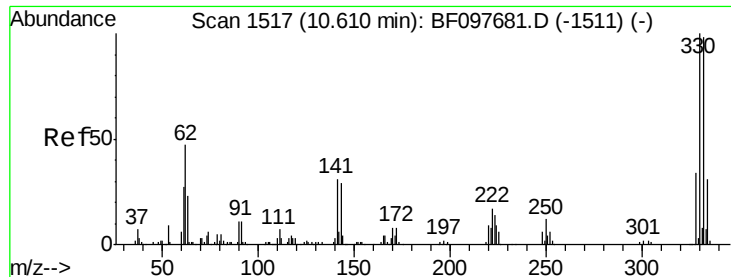


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

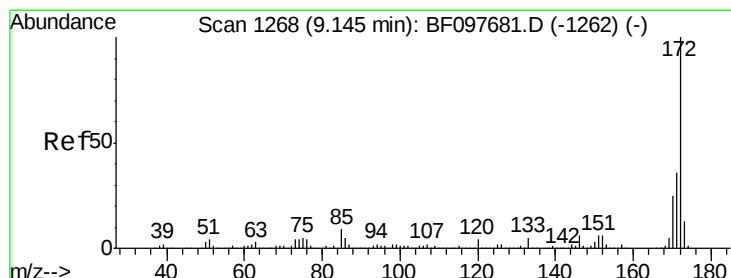
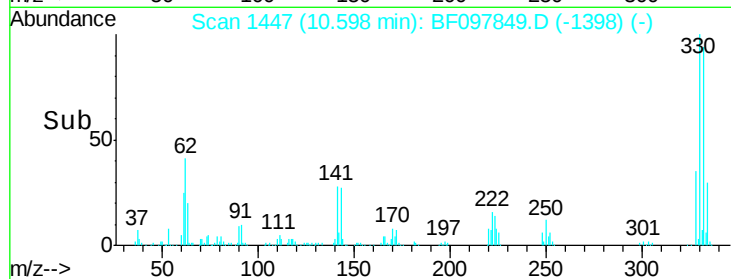
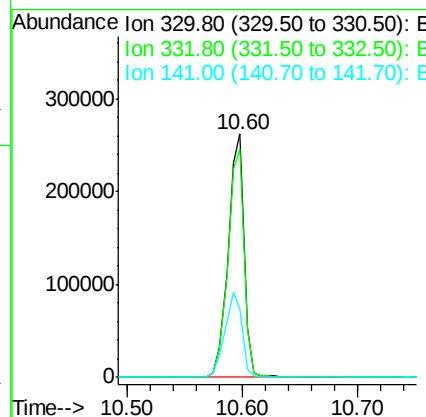
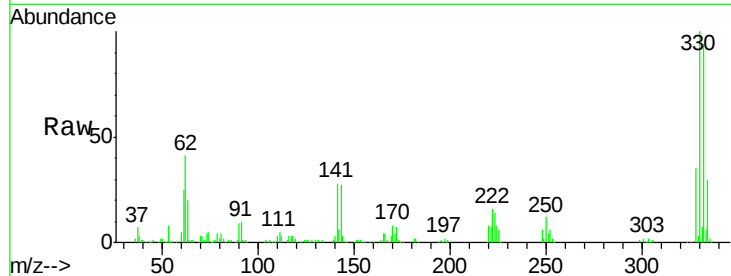




#41
 2,4,6-Tribromophenol
 Concen: 134.35 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097849.D
 Acq: 18 Aug 2017 22:56

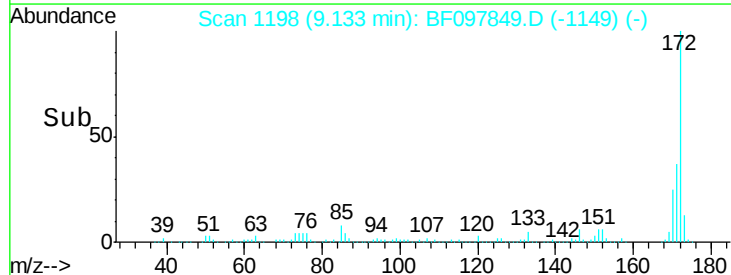
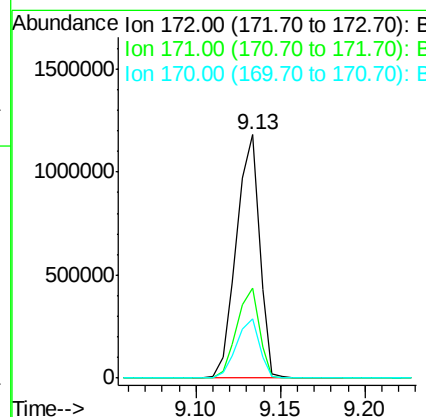
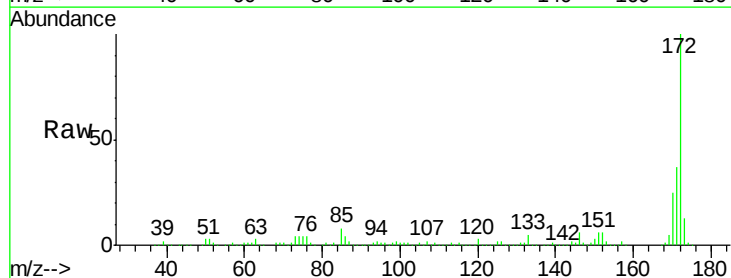
Instrument :
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 ClientSampleId :
 DUP

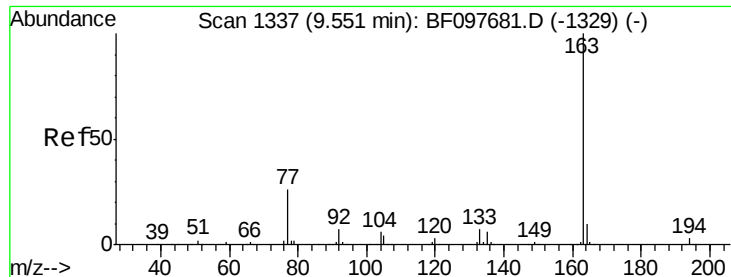
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	38.0	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 77.23 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097849.D
 Acq: 18 Aug 2017 22:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	24.6	19.8	29.8

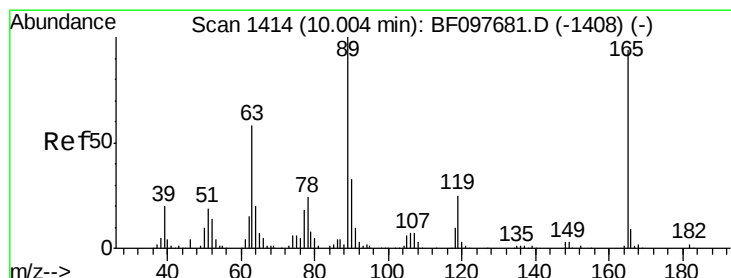
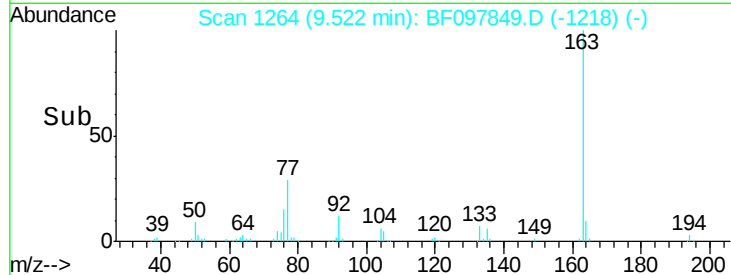
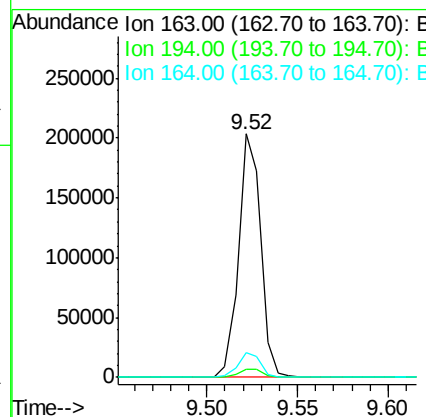
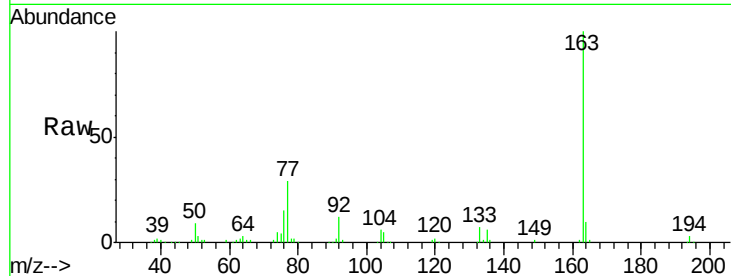




#49
Dimethylphthalate
Concen: 11.03 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

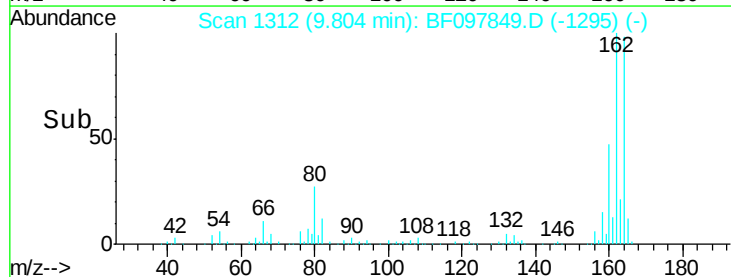
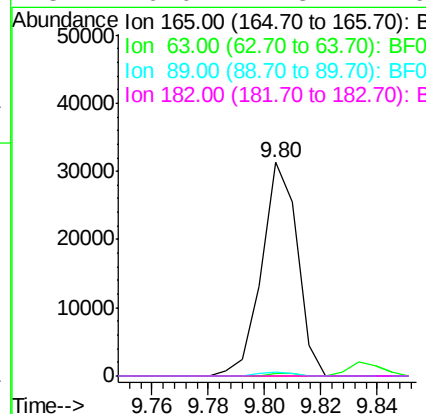
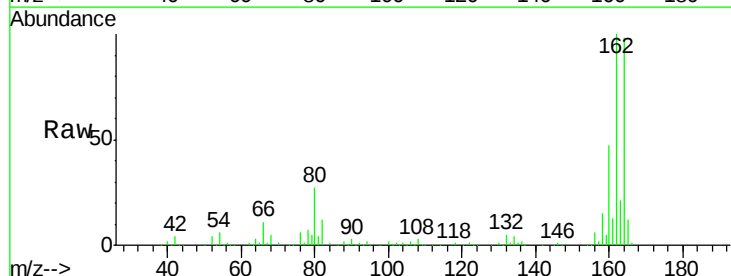
Instrument :
BNA_F
ClientSampled :
DUP

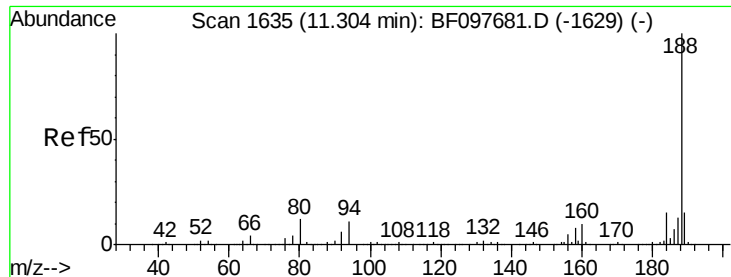
Tot Ion:163 Resp: 172954
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.1 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.98 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.20 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

Tgt Ion:165 Resp: 27410
Ion Ratio Lower Upper
165 100
63 1.1 25.4 38.0#
89 1.7 46.4 69.6#
182 0.0 1.8 2.6#

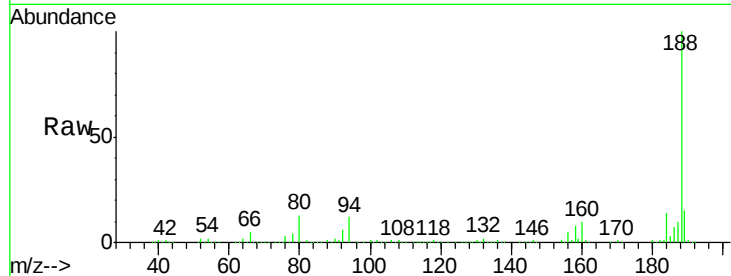




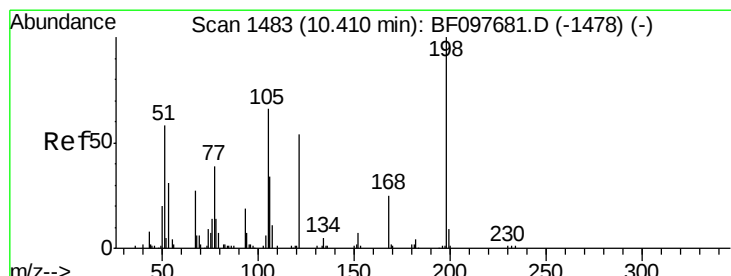
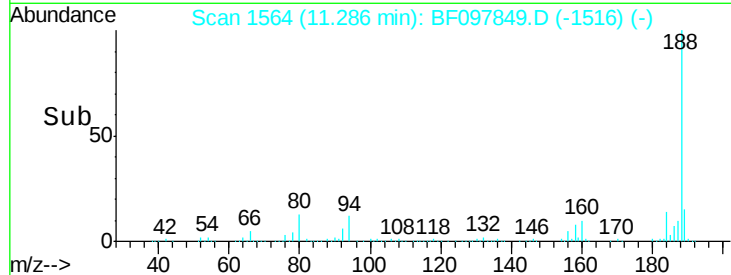
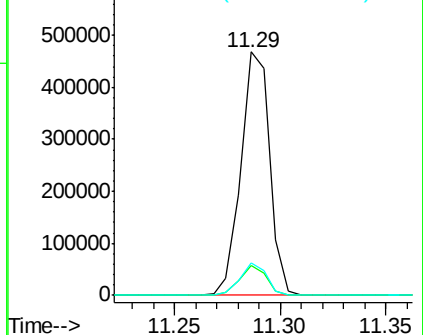
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

Instrument :
BNA_F
ClientSampled :
DUP

Tot Ion:188 Resp: 441660
Ion Ratio Lower Upper
188 100
94 12.1 9.4 14.2
80 13.1 10.2 15.2

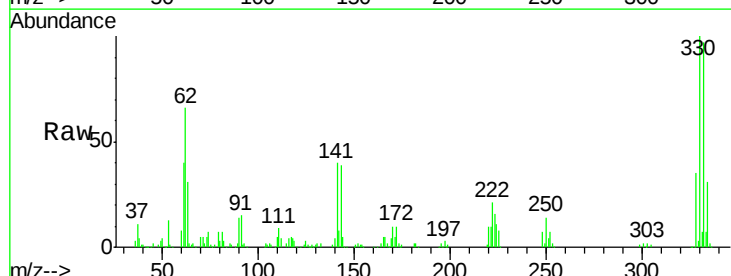


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

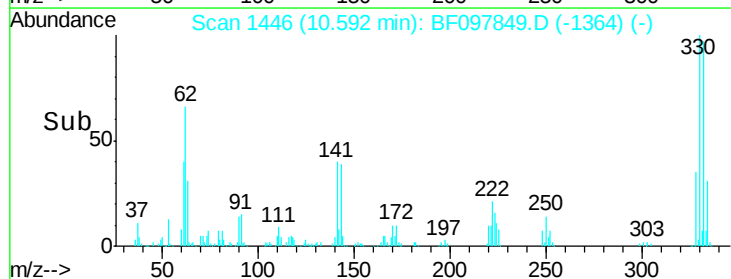
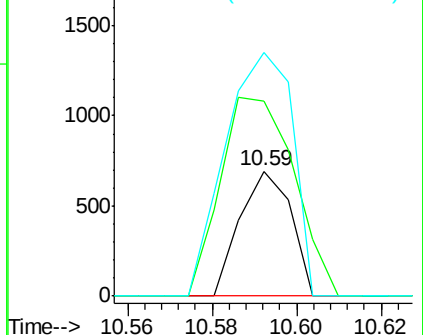


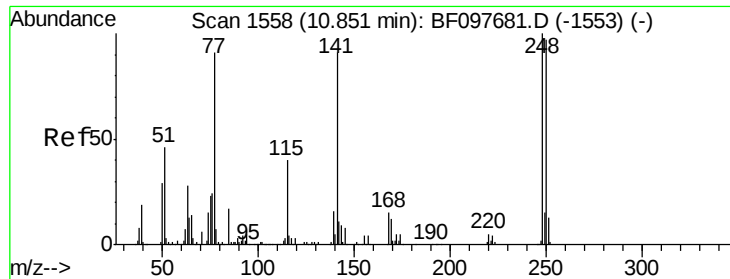
#64
4,6-Dinitro-2-methylphenol
Concen: 8.55 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.18 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

Tgt Ion:198 Resp: 582
Ion Ratio Lower Upper
198 100
51 155.6 53.2 93.2#
105 194.7 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

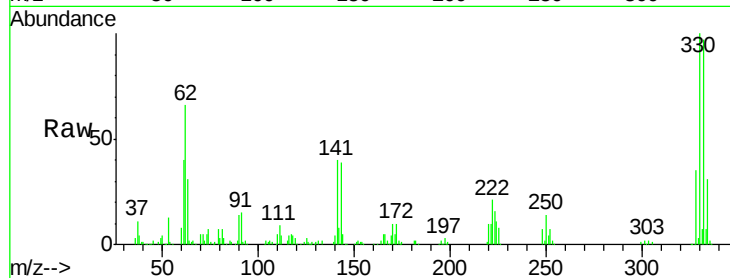




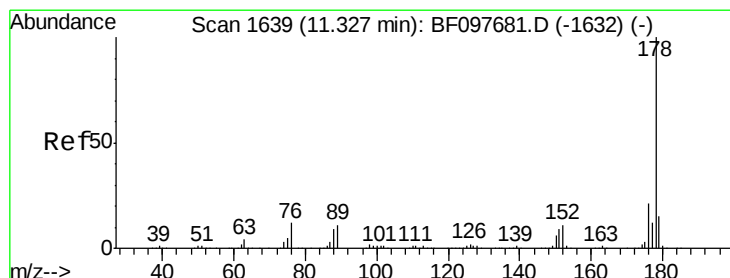
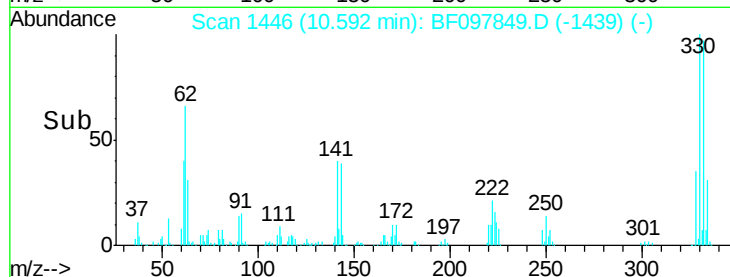
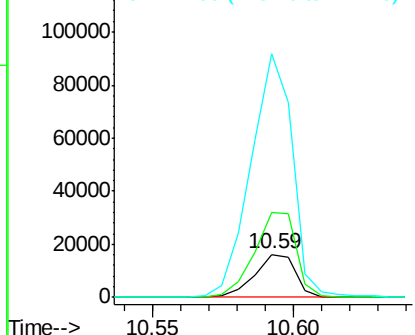
#66
 4-Bromophenyl-phenylether
 Concen: 3.53 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.26 min
 Lab File: BF097849.D
 Acq: 18 Aug 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Tot Ion:248 Resp: 16182
 Ion Ratio Lower Upper
 248 100
 250 195.4 76.8 115.2#
 141 563.5 68.6 103.0#

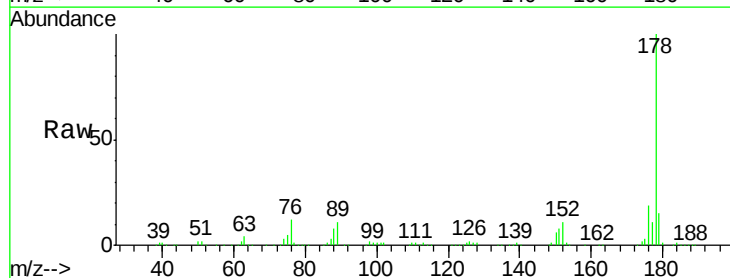


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

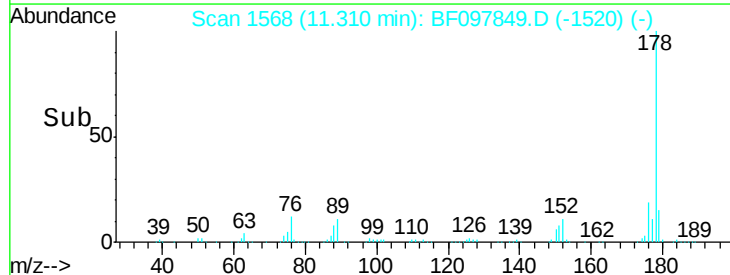
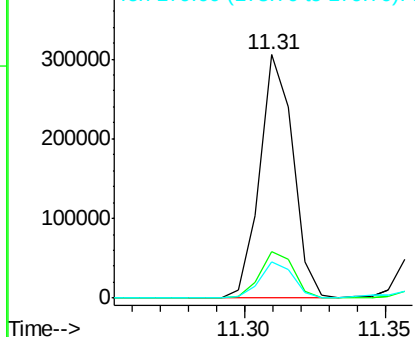


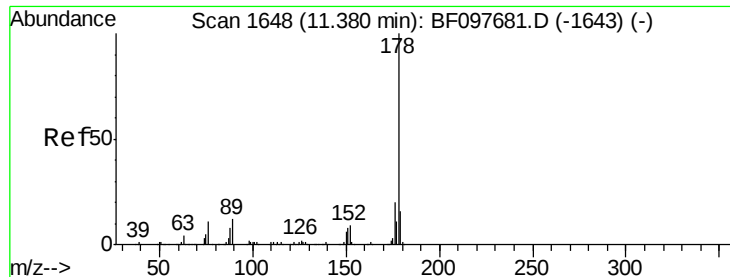
#70
 Phenanthrene
 Concen: 10.64 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: BF097849.D
 Acq: 18 Aug 2017 22:56

Tgt Ion:178 Resp: 250503
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.4
 179 14.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

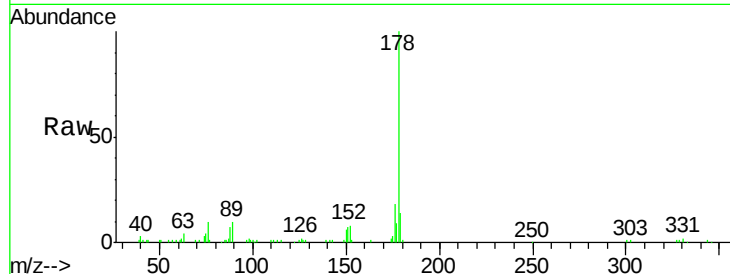




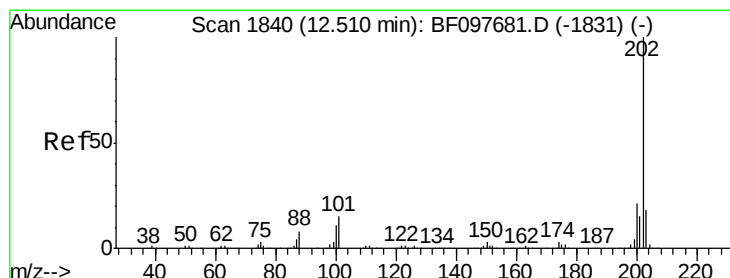
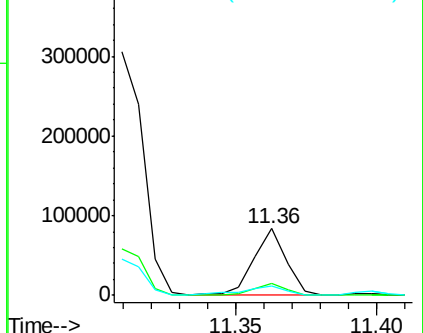
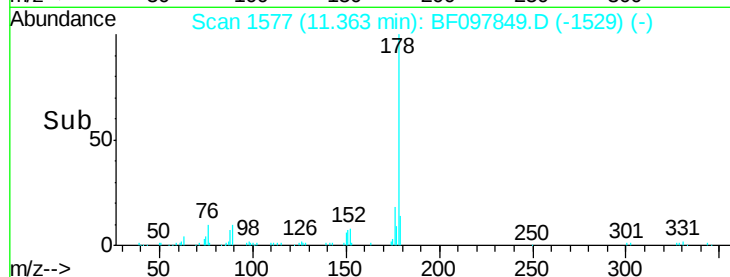
#71
 Anthracene
 Concen: 2.77 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BF097849.D
 Acq: 18 Aug 2017 22:56

Instrument :
 BNA_F
 ClientSampleId :
 DUP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.8
179	14.3	12.7	19.1

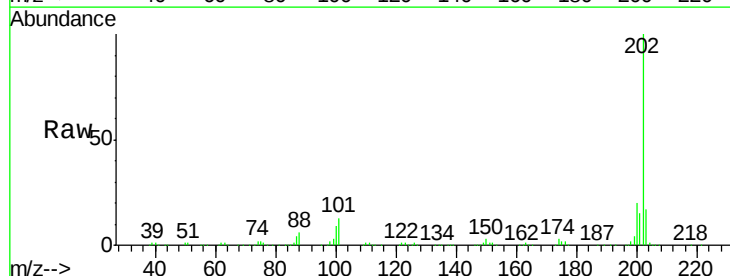


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

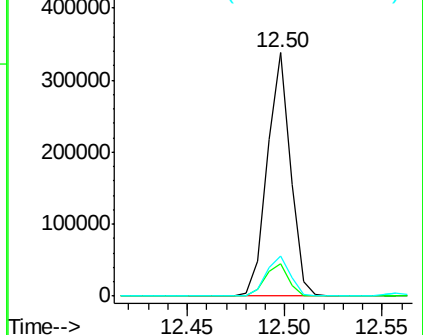
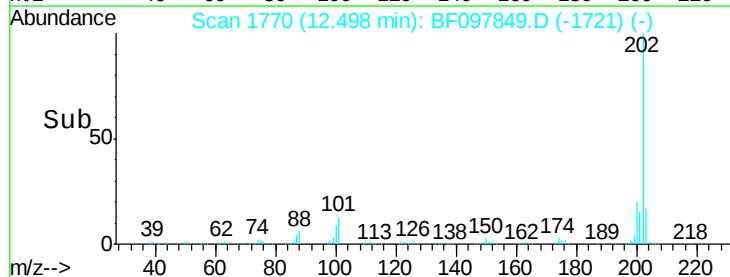


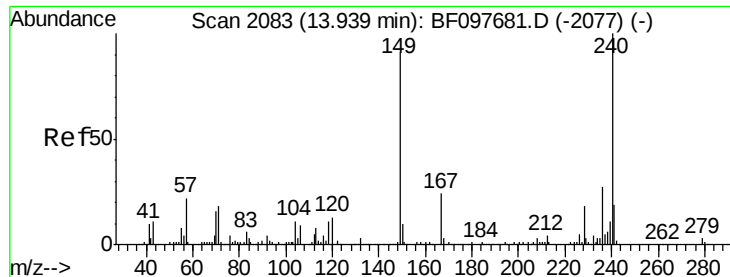
#74
 Fluoranthene
 Concen: 11.33 ng
 RT: 12.50 min Scan# 1770
 Delta R.T. -0.01 min
 Lab File: BF097849.D
 Acq: 18 Aug 2017 22:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	33.2
203	16.7	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

Instrument :

BNA_F

ClientSampleId :

DUP

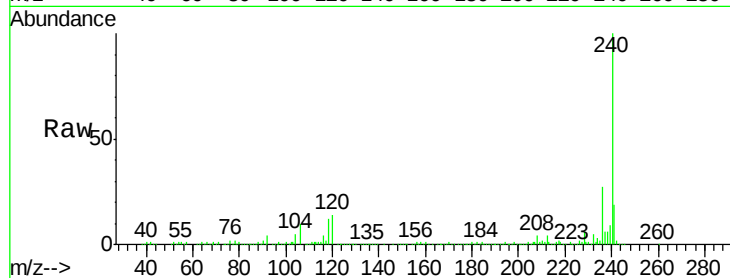
Tot Ion:240 Resp: 387292

Ion Ratio Lower Upper

240 100

120 14.0 5.8 8.8#

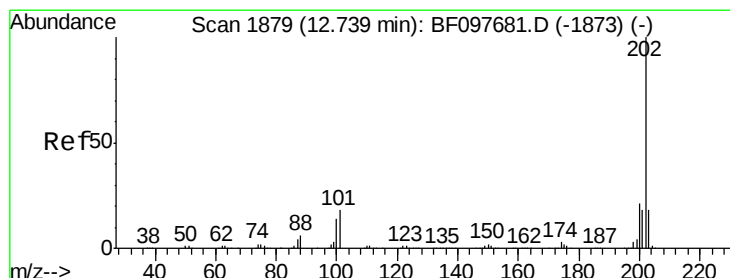
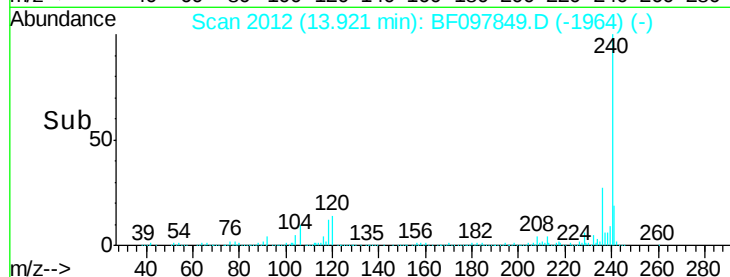
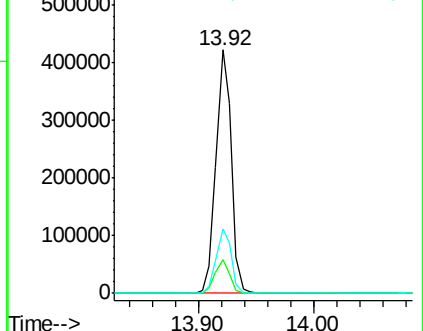
236 26.7 20.5 30.7



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



#77

Pyrene

Concen: 7.52 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

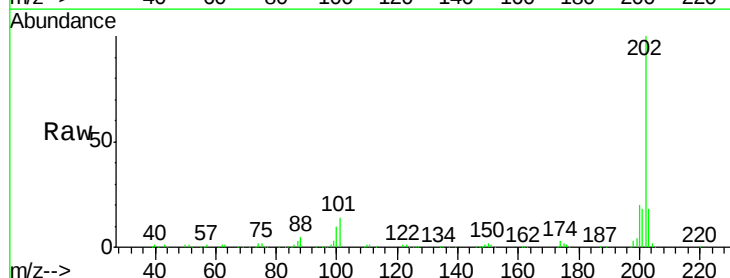
Tgt Ion:202 Resp: 238302

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

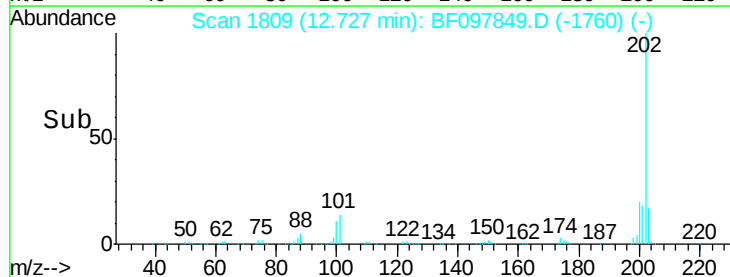
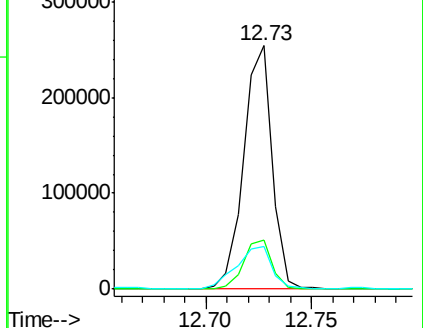
203 17.6 14.4 21.6

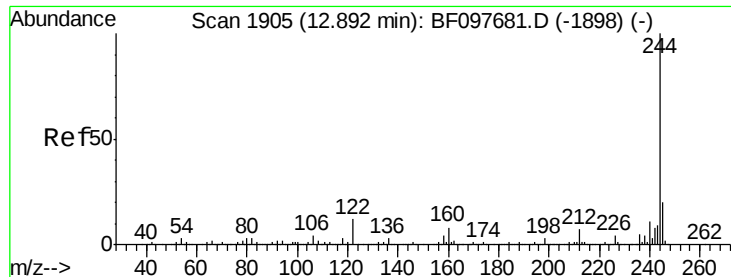


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.58 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

Instrument :

BNA_F

ClientSampled :

DUP

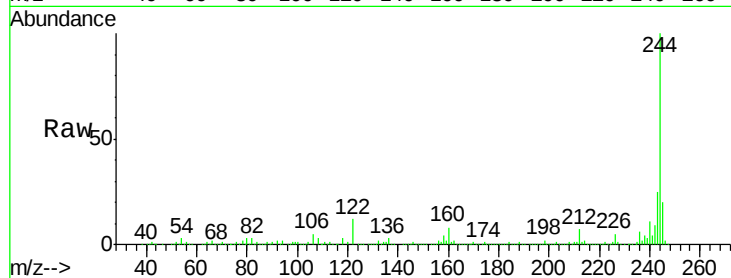
Tot Ion:244 Resp: 1087928

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

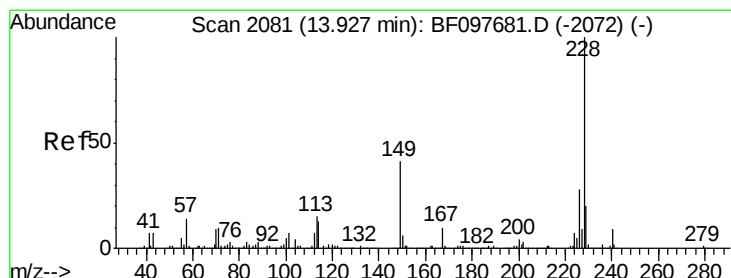
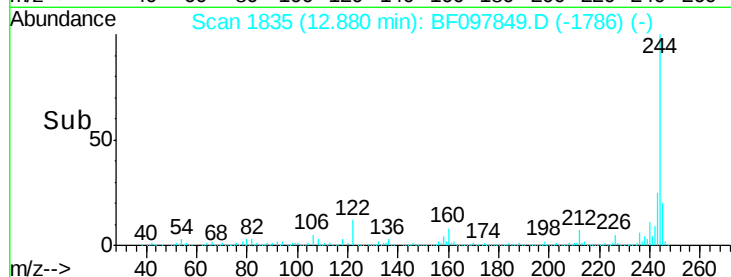
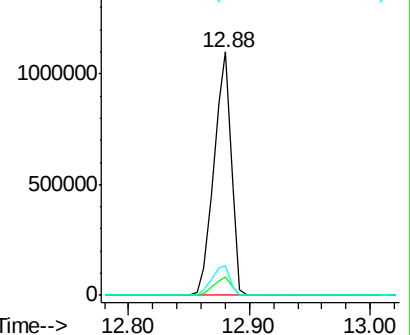
122 12.3 10.3 15.5



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



#80

Benzo(a)anthracene

Concen: 4.09 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

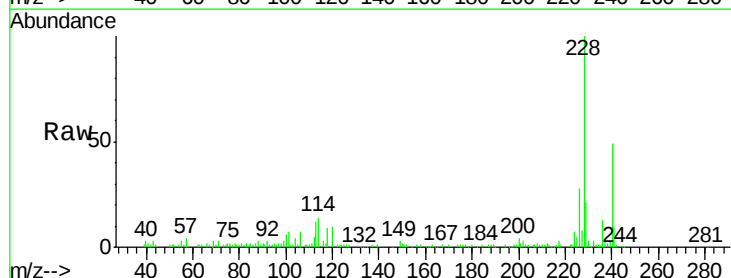
Tgt Ion:228 Resp: 95048

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

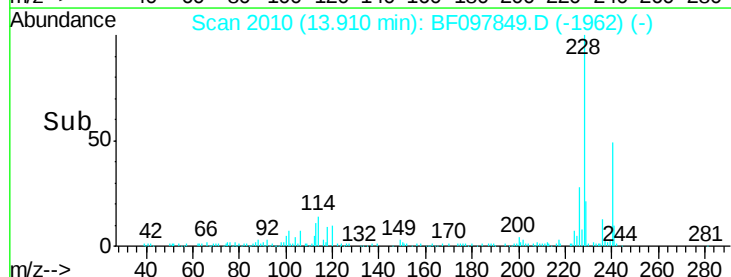
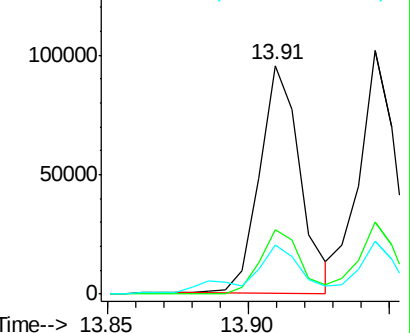
229 21.3 16.3 24.5

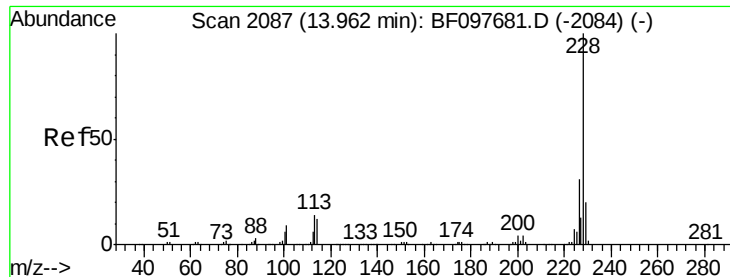


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

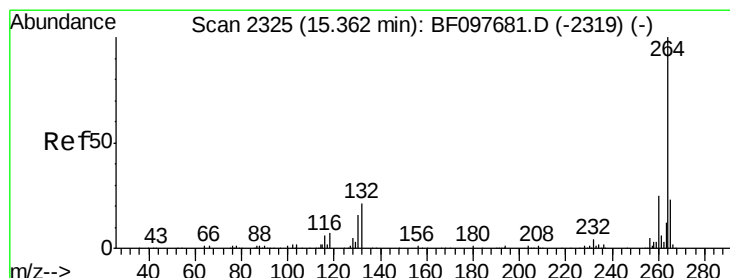
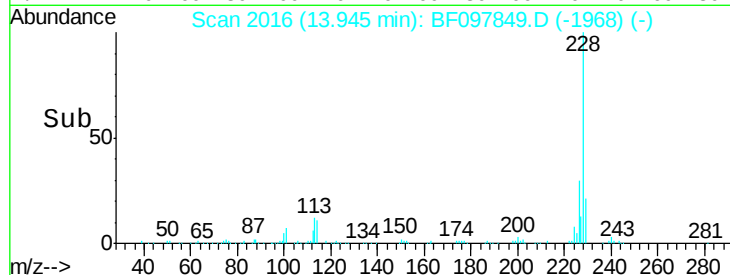
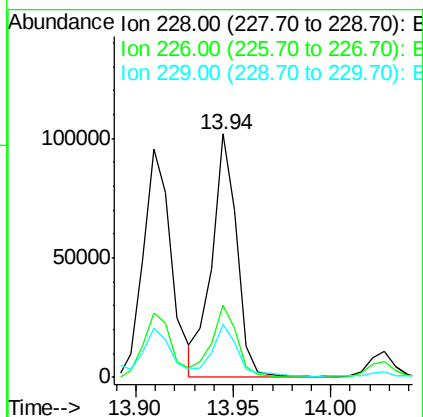
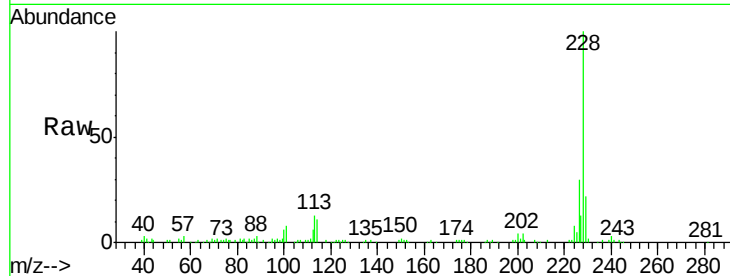




#82
Chrysene
Concen: 3.89 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.02 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

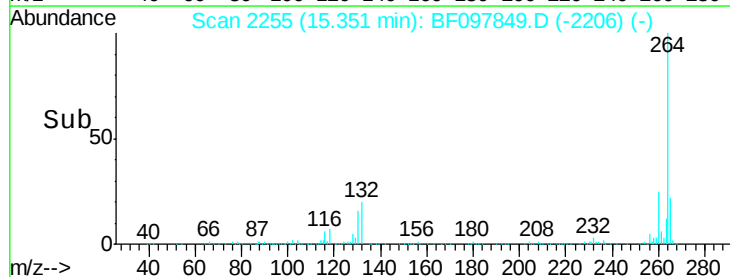
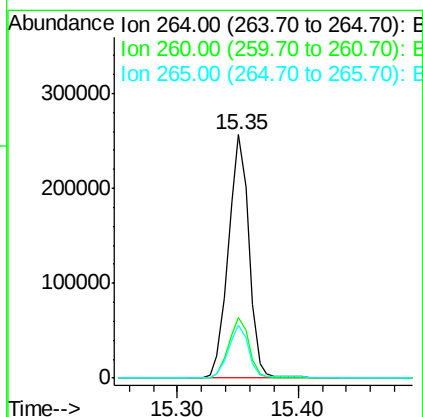
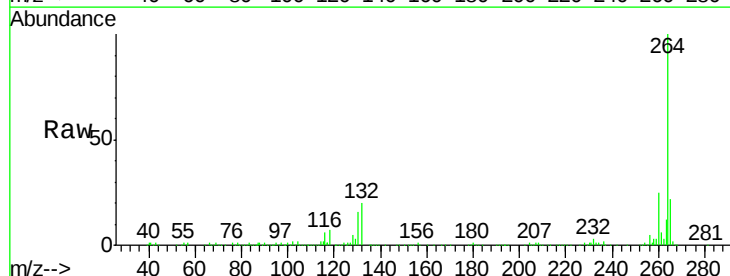
Instrument :
BNA_F
ClientSampled :
DUP

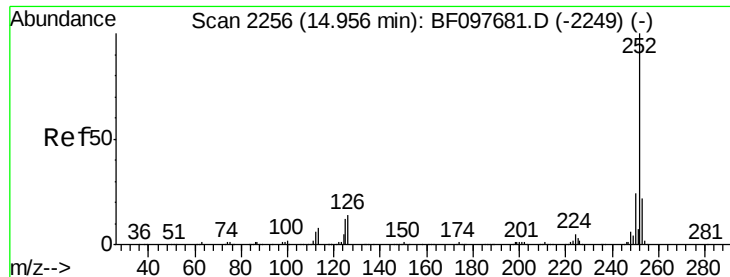
Tot Ion:228 Resp: 89713
Ion Ratio Lower Upper
228 100
226 29.9 24.9 37.3
229 21.9 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF097849.D
Acq: 18 Aug 2017 22:56

Tgt Ion:264 Resp: 304957
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 22.0 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 5.50 ng

RT: 14.94 min Scan# 2185

Delta R.T. -0.02 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

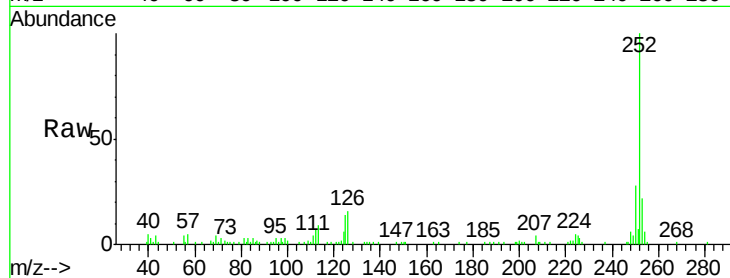
Instrument :

BNA_F

ClientSampleId :

DUP

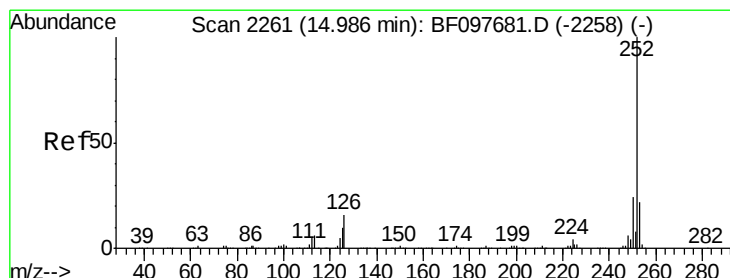
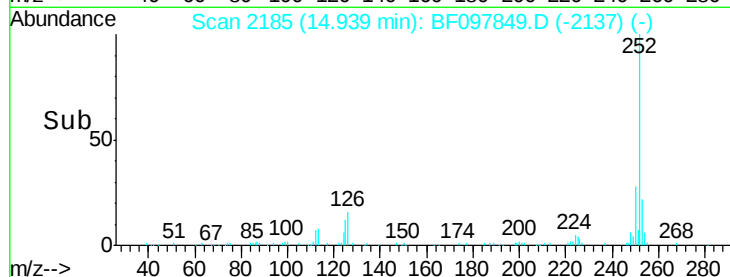
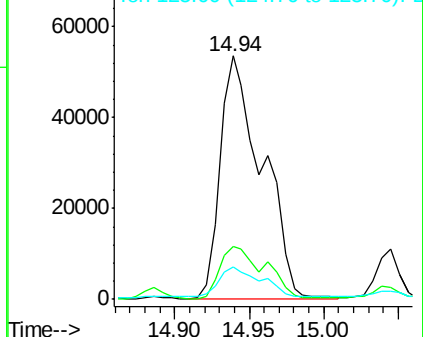
Tot Ion:252	Resp:	105805
Ion Ratio	Lower	Upper
252	100	
253	21.7	18.1 27.1
125	13.5	9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 5.86 ng

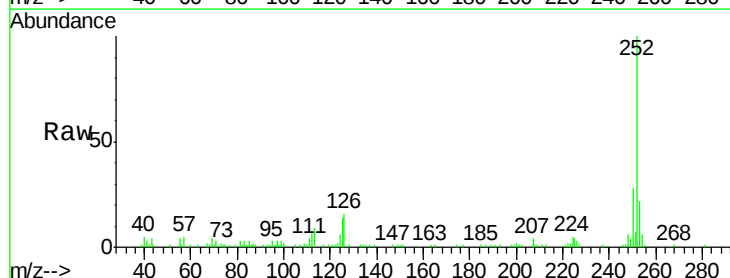
RT: 14.94 min Scan# 2185

Delta R.T. -0.05 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

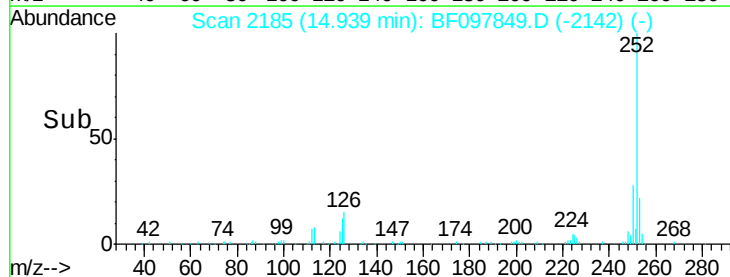
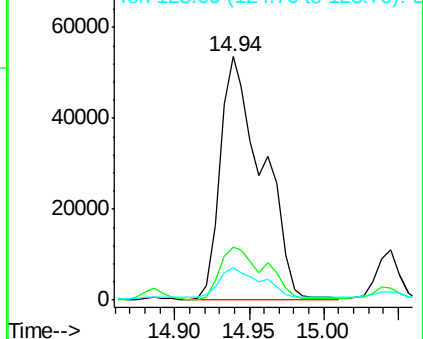
Tgt Ion:252	Resp:	105805
Ion Ratio	Lower	Upper
252	100	
253	21.7	18.4 27.6
125	13.5	13.1 19.7

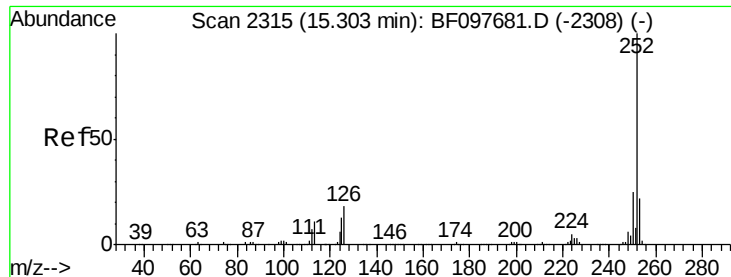


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.37 ng

RT: 15.29 min Scan# 2244

Delta R.T. -0.02 min

Lab File: BF097849.D

Acq: 18 Aug 2017 22:56

Instrument :

BNA_F

ClientSampleId :

DUP

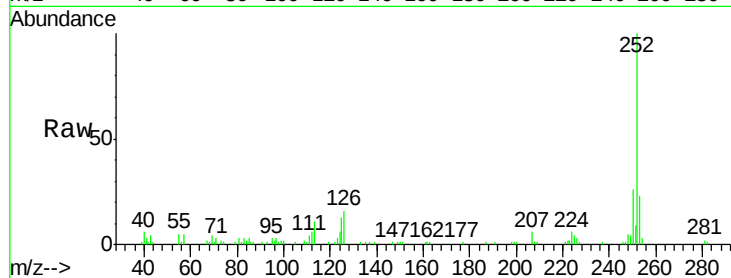
Tot Ion:252 Resp: 57385

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 13.3 11.0 16.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

