

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
 Data File : BF097167.D
 Acq On : 28 Jul 2017 21:26
 Operator : SJ/JU
 Sample : I4472-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072617

Quant Time: Jul 28 22:44:03 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	115810	20.00	ng	-0.01
21) Naphthalene-d8	7.77	136	478168	20.00	ng	-0.02
38) Acenaphthene-d10	9.52	164	183458	20.00	ng	-0.02
63) Phenanthrene-d10	10.99	188	236649	20.00	ng	-0.02
75) Chrysene-d12	13.61	240	205071	20.00	ng	-0.02
86) Perylene-d12	14.96	264	172794	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	801644	104.35	ng	0.00
7) Phenol-d6	6.15	99	861232	98.20	ng	-0.02
23) Nitrobenzene-d5	7.06	82	582811	71.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.30	330	118877	82.01	ng	-0.02
44) 2-Fluorobiphenyl	8.85	172	730778	67.60	ng	-0.02
78) Terphenyl-d14	12.57	244	415362	41.30	ng	-0.02

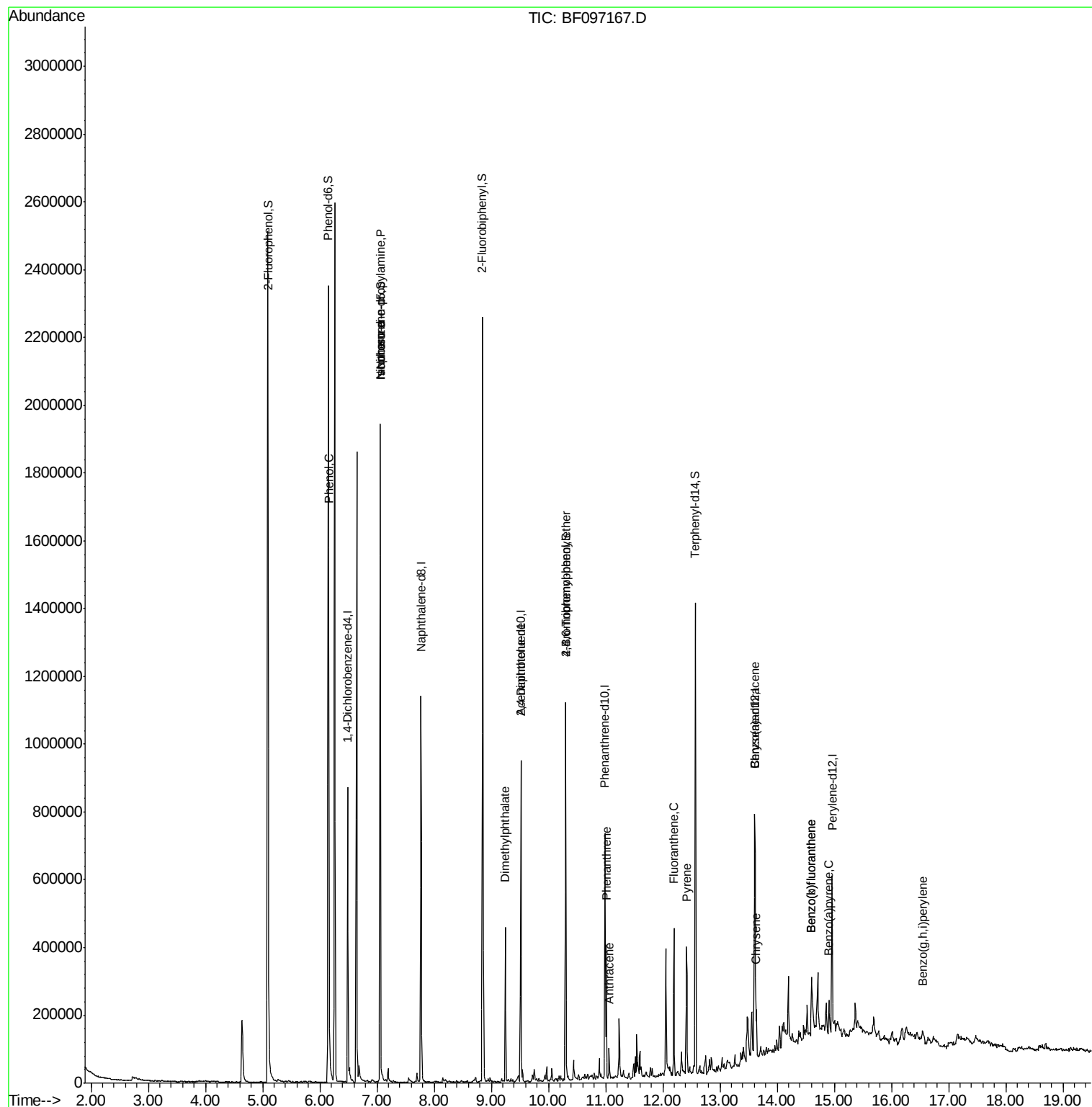
Target Compounds				Qvalue		
10) Phenol	6.16	94	22728	2.18	ng	91
19) n-Nitroso-di-n-propylamine	7.06	70	78490	13.60	ng	# 86
25) Isophorone	7.06	82	576892	36.14	ng	# 67
49) Dimethylphthalate	9.25	163	154680	11.10	ng	97
56) 2,4-Dinitrotoluene	9.52	165	23316	6.86	ng	# 33
66) 4-Bromophenyl-phenylether	10.30	248	7759	3.29	ng	# 1
70) Phenanthrene	11.01	178	133367	10.52	ng	96
71) Anthracene	11.06	178	28589	2.20	ng	98
74) Fluoranthene	12.19	202	158115	12.73	ng	96
77) Pyrene	12.42	202	134672	8.02	ng	98
80) Benzo(a)anthracene	13.60	228	63109	4.76	ng	96
82) Chrysene	13.64	228	56888	4.39	ng	95
87) Benzo(b)fluoranthene	14.60	252	88168	8.49	ng	# 91
88) Benzo(k)fluoranthene	14.60	252	88168	8.91	ng	95
89) Benzo(a)pyrene	14.91	252	43053	4.53	ng	# 96
91) Benzo(g,h,i)perylene	16.54	276	18946	2.32	ng	97

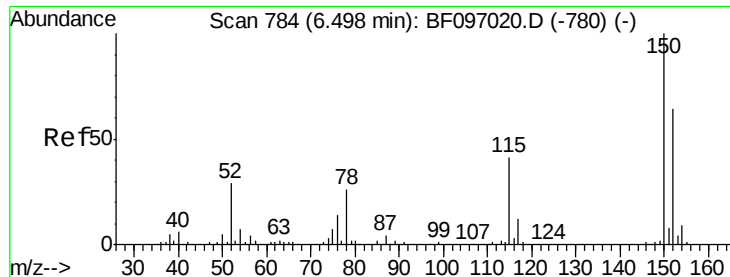
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072817\
Data File : BF097167.D
Acq On : 28 Jul 2017 21:26
Operator : SJ/JU
Sample : I4472-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-072617

Quant Time: Jul 28 22:44:03 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



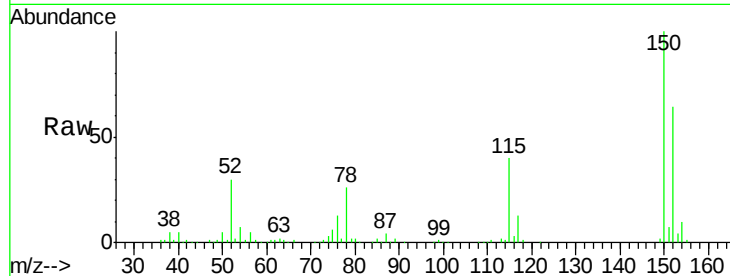


#1

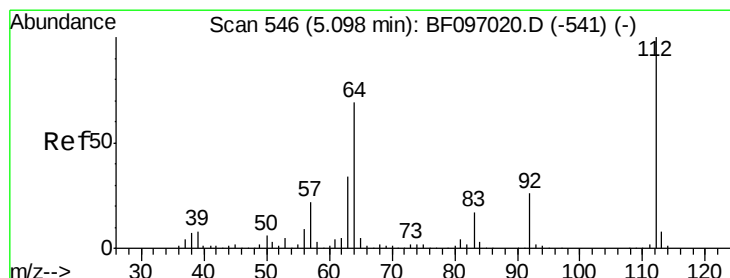
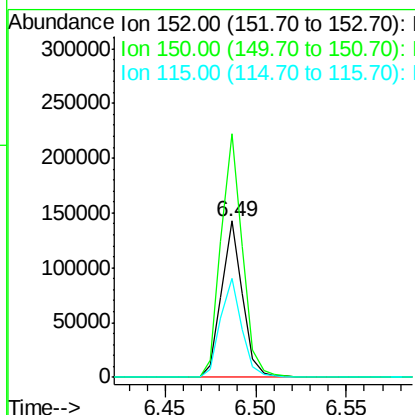
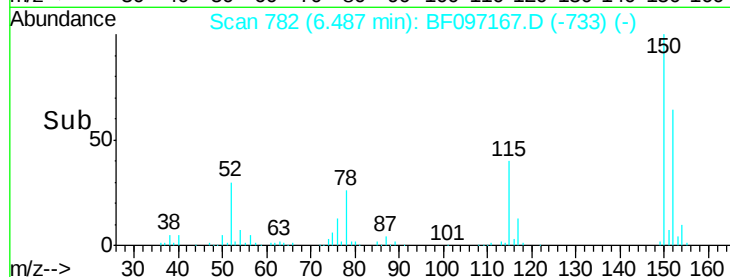
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.49 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF097167.D
Acq: 28 Jul 2017 21:26

Instrument :
BNA_F
ClientSampleId :
TR-04-072617

Tot Ion:152 Resp: 115810
Ion Ratio Lower Upper
152 100
150 155.6 126.2 189.2
115 63.0 52.2 78.2



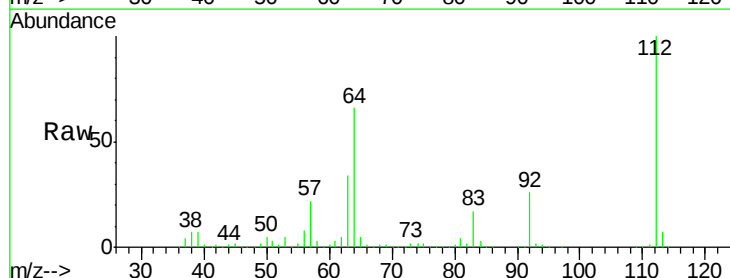
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



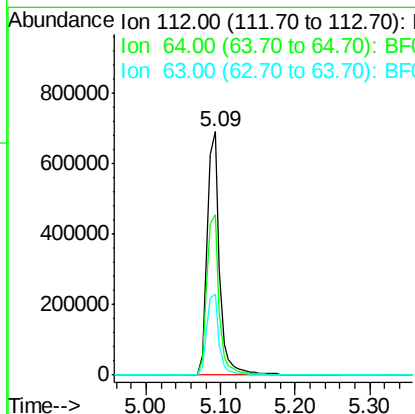
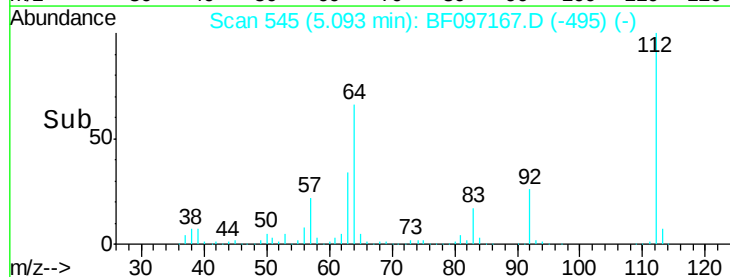
#5

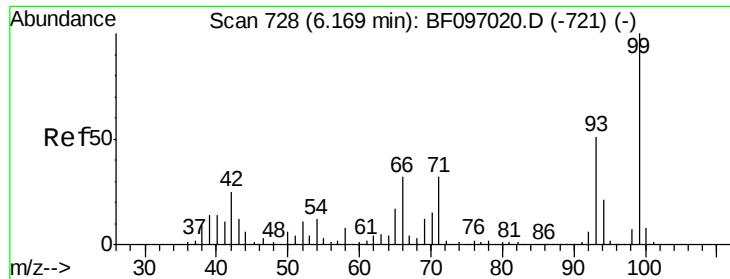
2-Fluorophenol
Concen: 104.35 ng
RT: 5.09 min Scan# 545
Delta R.T. -0.01 min
Lab File: BF097167.D
Acq: 28 Jul 2017 21:26

Tgt Ion:112 Resp: 801644
Ion Ratio Lower Upper
112 100
64 66.1 46.0 69.0
63 33.5 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: 98.20 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-072617

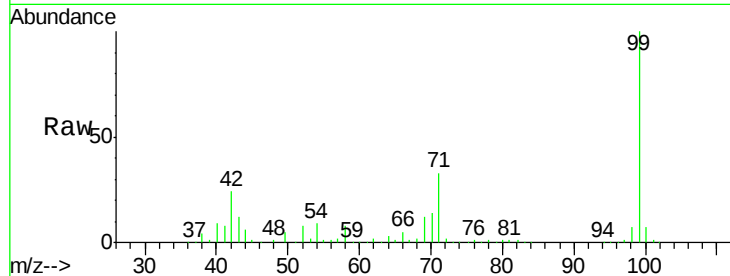
Tot Ion: 99 Resp: 861232

Ion Ratio Lower Upper

99 100

42 23.8 13.5 20.3#

71 32.9 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

6.15

800000

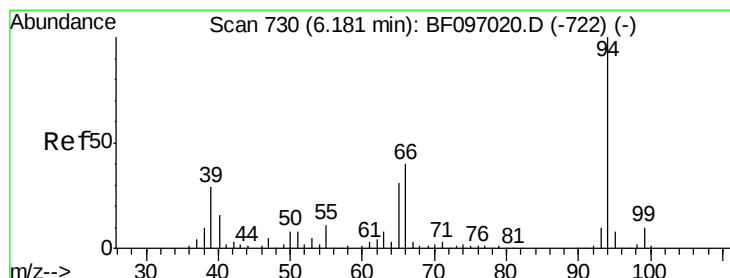
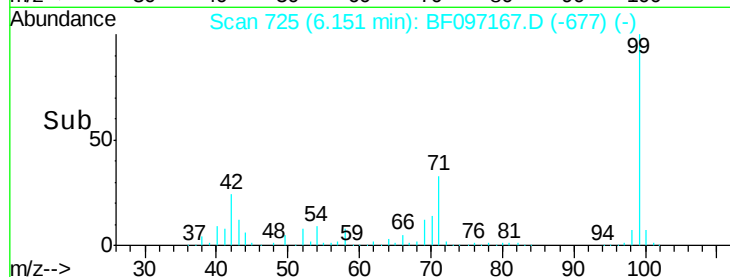
600000

400000

200000

0

Time-->



#10

Phenol

Concen: 2.18 ng

RT: 6.16 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

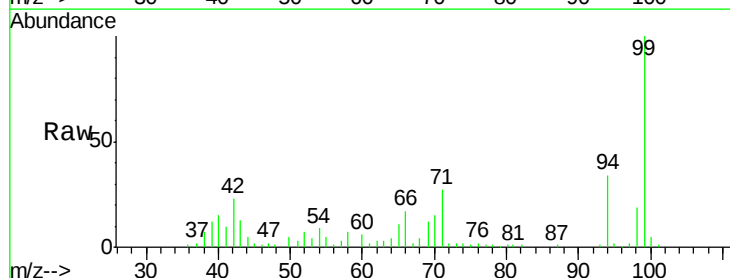
Tgt Ion: 94 Resp: 22728

Ion Ratio Lower Upper

94 100

65 33.2 9.9 49.9

66 50.1 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

250000

200000

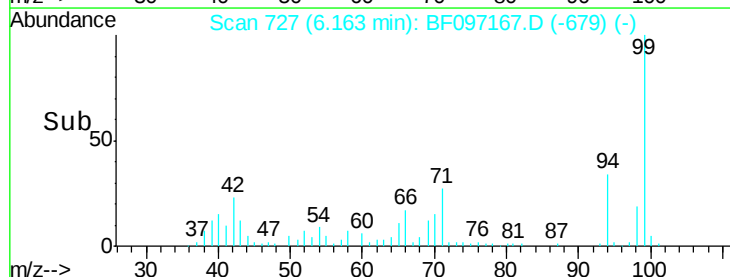
150000

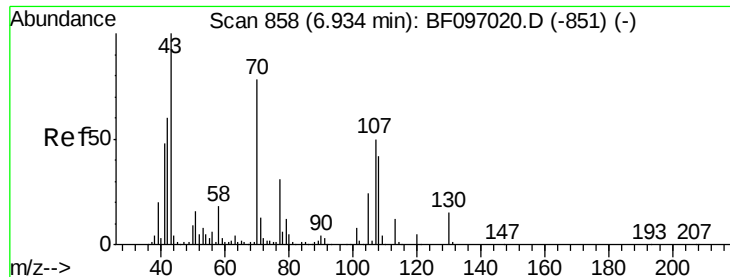
100000

50000

0

Time-->

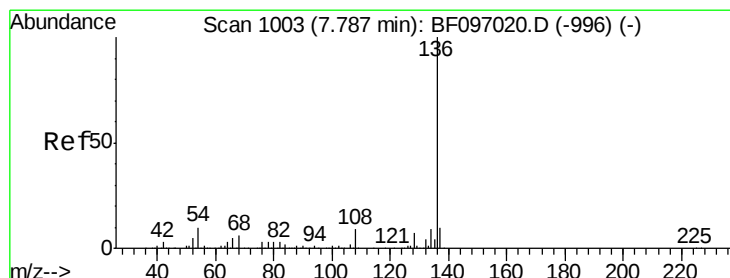
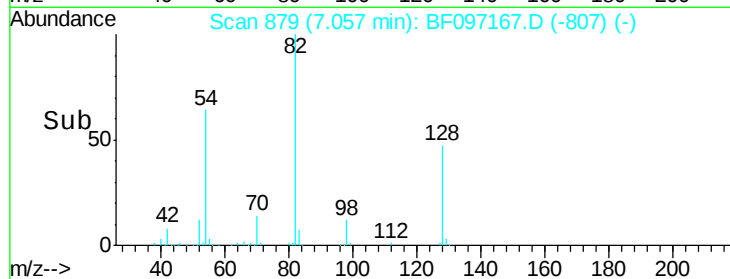
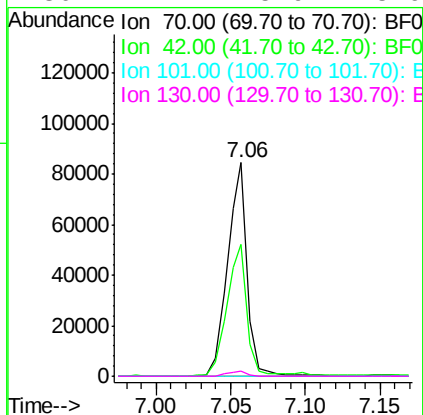
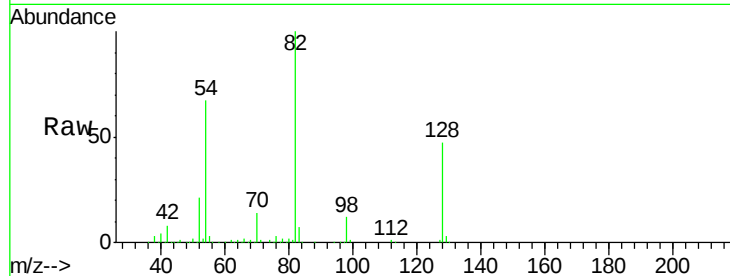




#19
n-Nitroso-di-n-propylamine
Concen: 13.60 ng
RT: 7.06 min Scan# 879
Delta R.T. 0.12 min
Lab File: BF097167.D
Acq: 28 Jul 2017 21:26

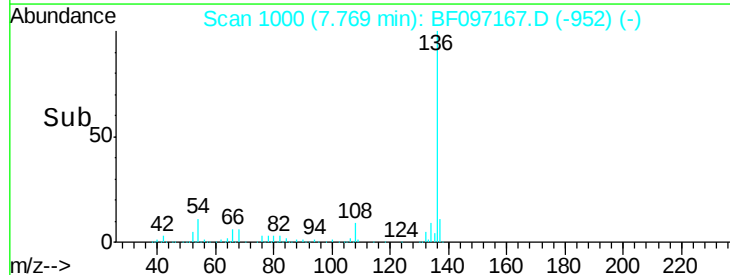
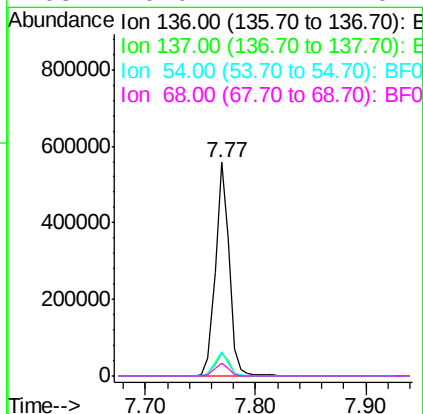
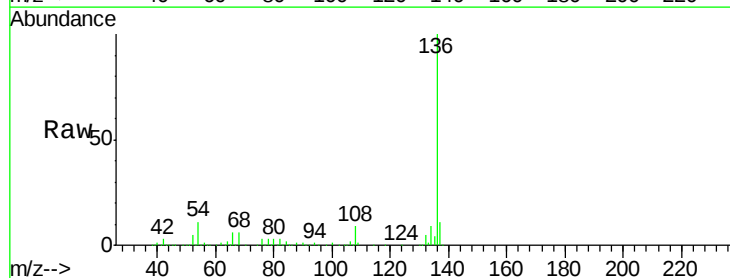
Instrument :
BNA_F
ClientSampleId :
TR-04-072617

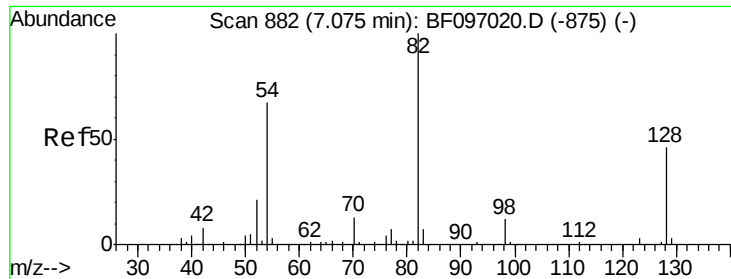
Tot Ion: 70 Resp: 78490
Ion Ratio Lower Upper
70 100
42 61.5 47.2 70.8
101 0.0 7.2 10.8#
130 2.1 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.77 min Scan# 1000
Delta R.T. -0.02 min
Lab File: BF097167.D
Acq: 28 Jul 2017 21:26

Tgt Ion:136 Resp: 478168
Ion Ratio Lower Upper
136 100
137 11.0 8.5 12.7
54 11.2 4.9 7.3#
68 6.0 4.1 6.1

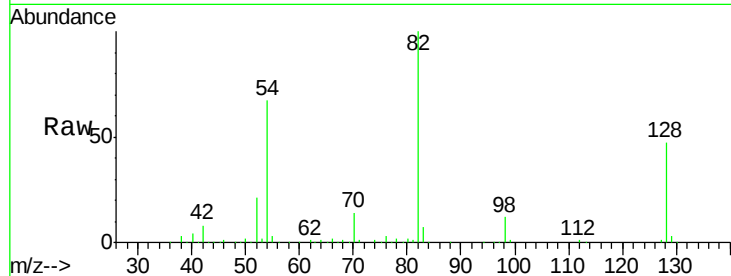




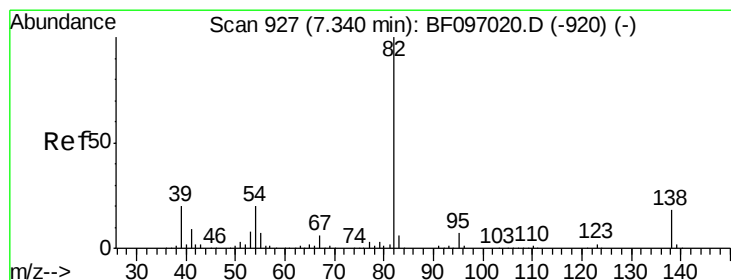
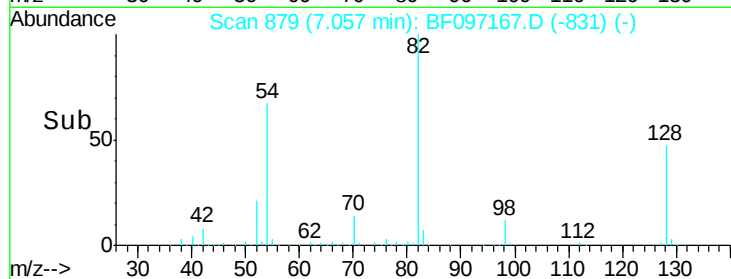
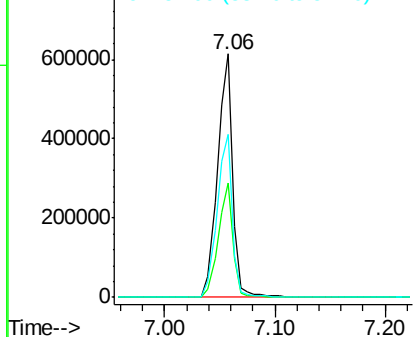
#23
 Nitrobenzene-d5
 Concen: 71.50 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072617

Tot Ion: 82 Resp: 582811
 Ion Ratio Lower Upper
 82 100
 128 46.8 34.0 51.0
 54 66.7 42.2 63.2#

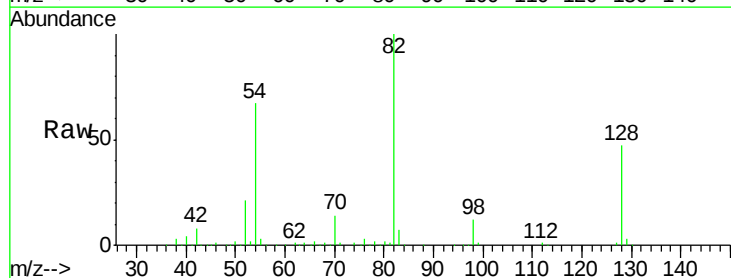


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

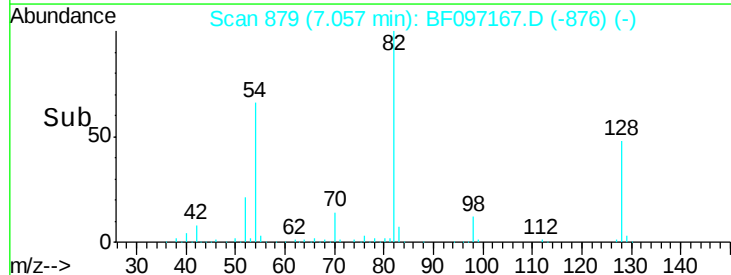
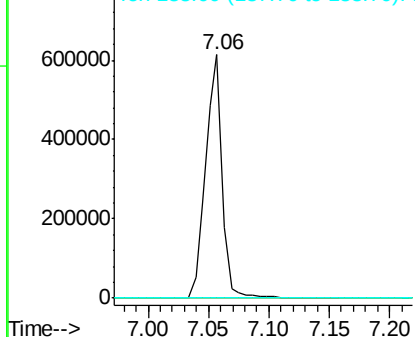


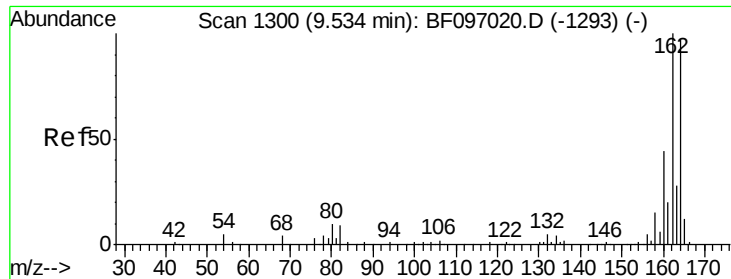
#25
 Isophorone
 Concen: 36.14 ng
 RT: 7.06 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Tgt Ion: 82 Resp: 576892
 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

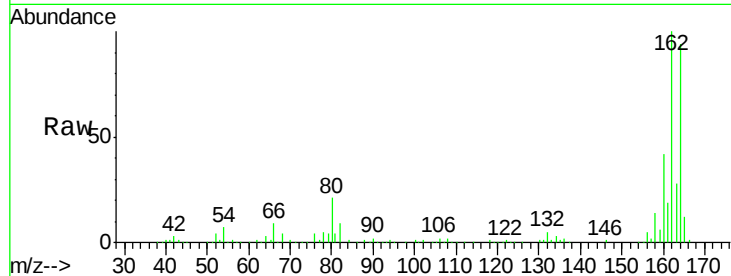




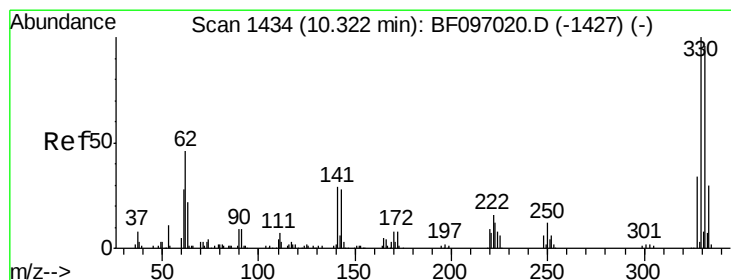
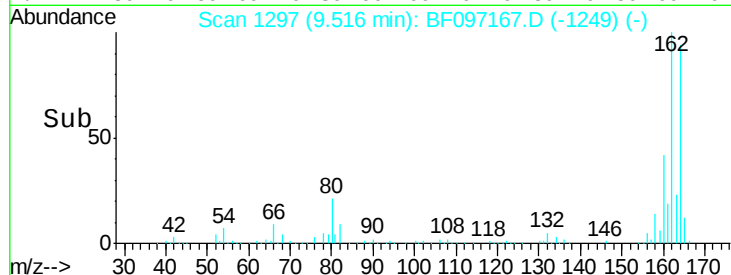
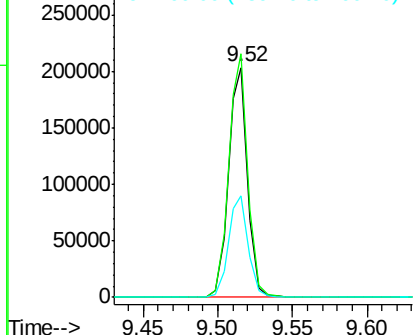
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.52 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072617

Tot Ion:164 Resp: 183458
 Ion Ratio Lower Upper
 164 100
 162 105.9 82.6 123.8
 160 44.2 36.2 54.2

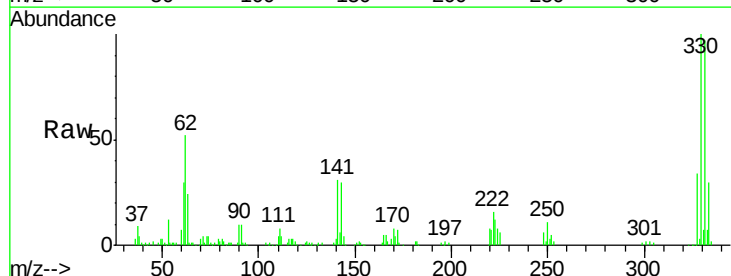


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

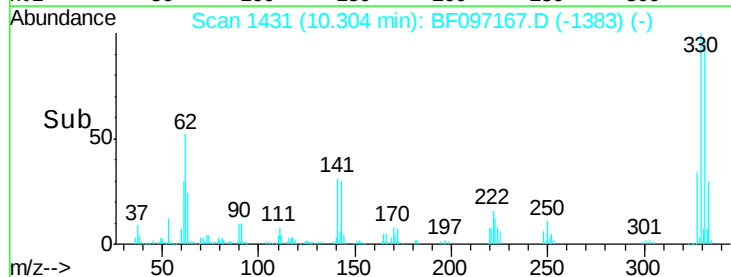
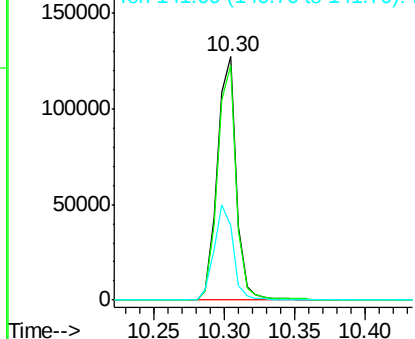


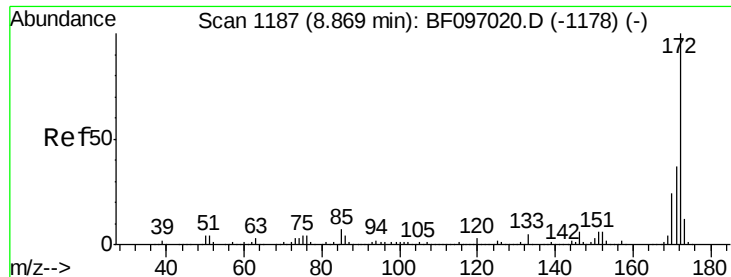
#41
 2,4,6-Tribromophenol
 Concen: 82.01 ng
 RT: 10.30 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Tgt Ion:330 Resp: 118877
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 39.8 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



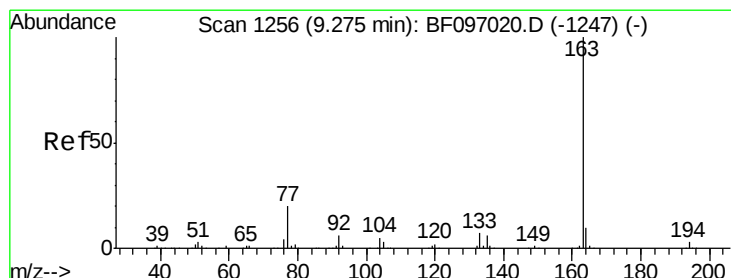
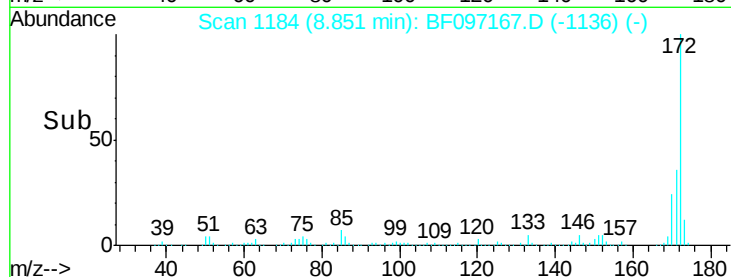
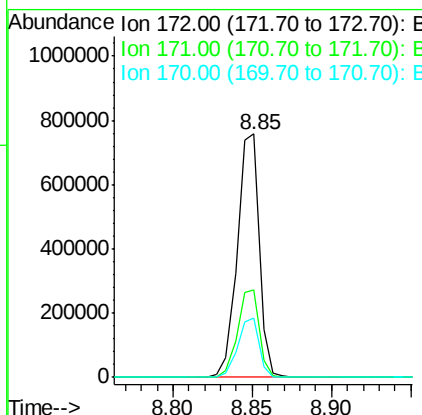
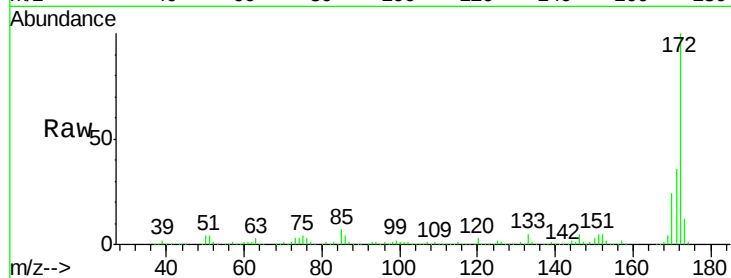


#44
 2-Fluorobiphenyl
 Concen: 67.60 ng
 RT: 8.85 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072617

Tot Ion:172 Resp: 730778

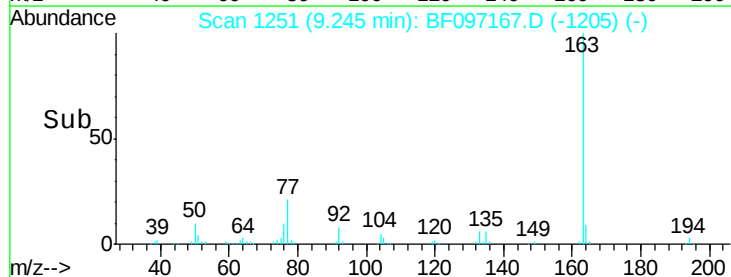
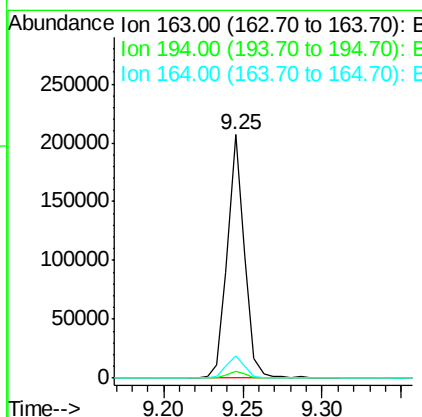
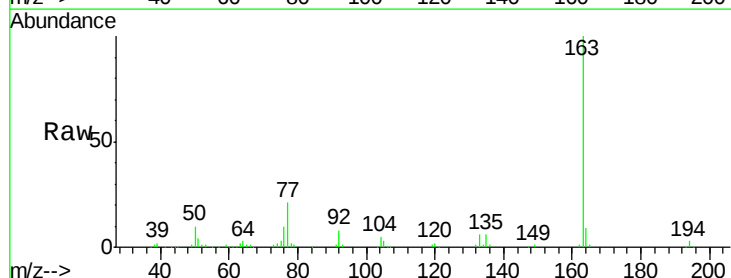
Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	24.4	19.8	29.8

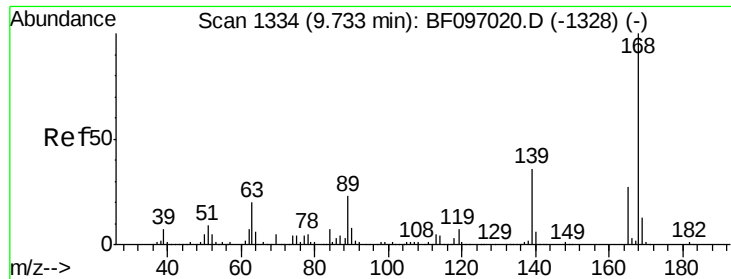


#49
 Dimethylphthalate
 Concen: 11.10 ng
 RT: 9.25 min Scan# 1251
 Delta R.T. -0.03 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Tgt Ion:163 Resp: 154680

Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.6	4.0
164	9.3	8.4	12.6





#56

2,4-Dinitrotoluene

Concen: 6.86 ng

RT: 9.52 min Scan# 1297

Delta R.T. -0.22 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-072617

Tot Ion:165 Resp: 23316

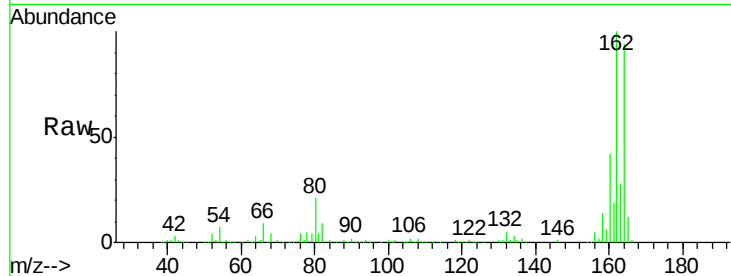
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.9 46.4 69.6#

182 0.0 1.8 2.6#

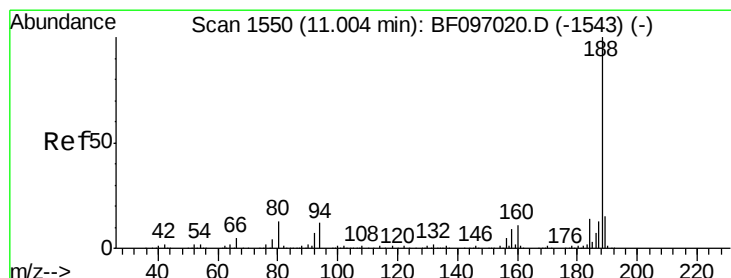
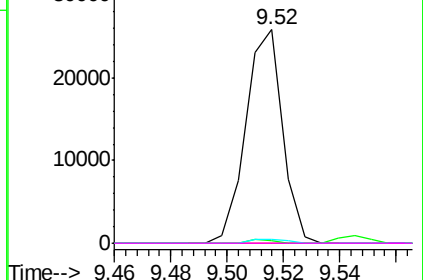
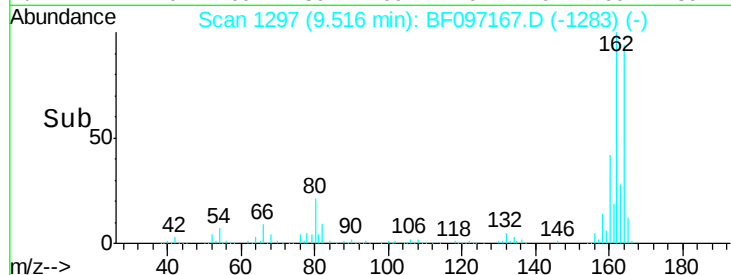


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF097167.D

Acq: 28 Jul 2017 21:26

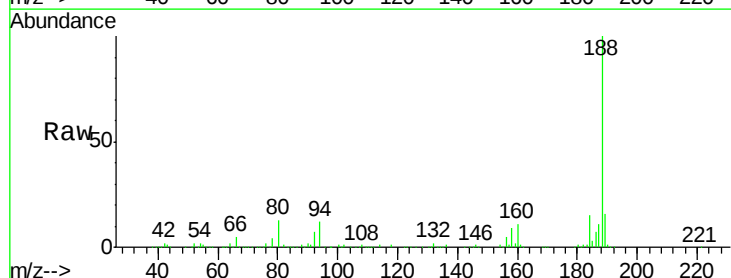
Tgt Ion:188 Resp: 236649

Ion Ratio Lower Upper

188 100

94 12.4 9.4 14.2

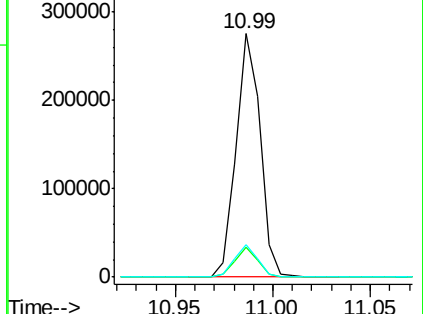
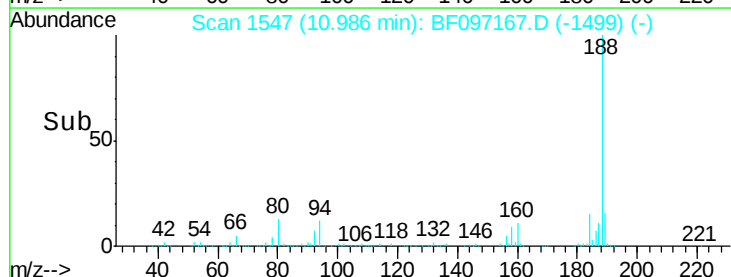
80 13.3 10.2 15.2

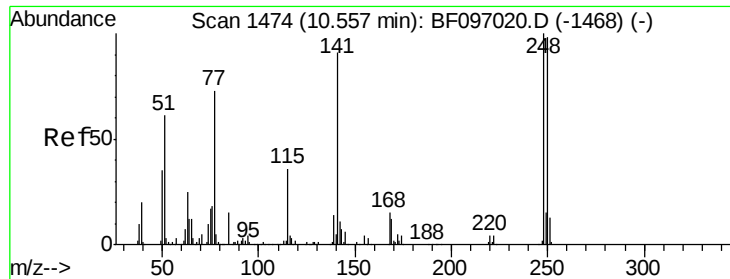


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

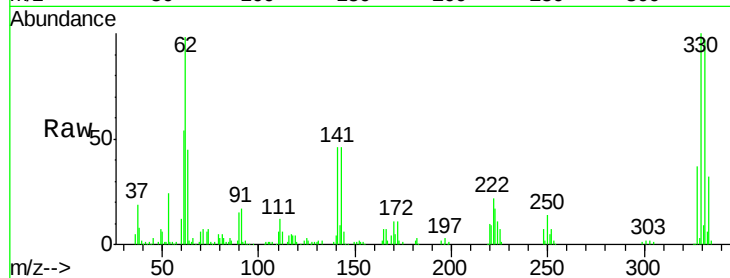




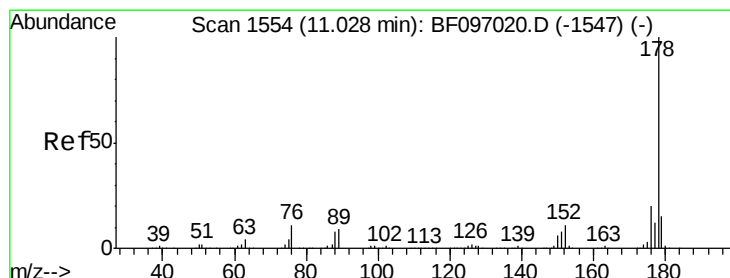
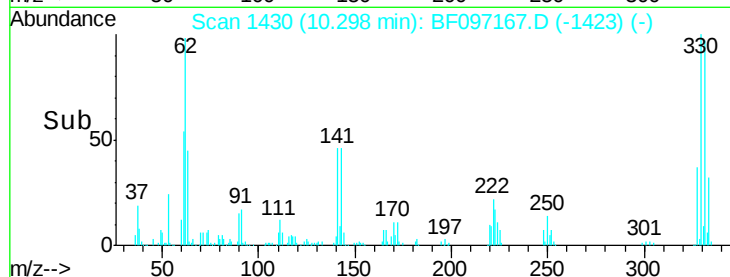
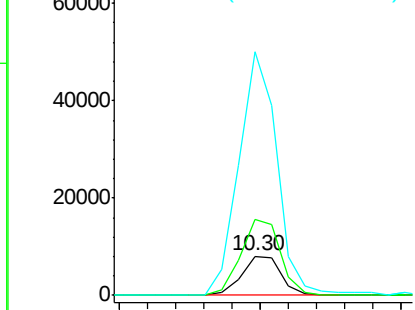
#66
 4-Bromophenyl-phenylether
 Concen: 3.29 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.26 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072617

Tot Ion:248 Resp: 7759
 Ion Ratio Lower Upper
 248 100
 250 192.8 76.8 115.2#
 141 620.9 68.6 103.0#

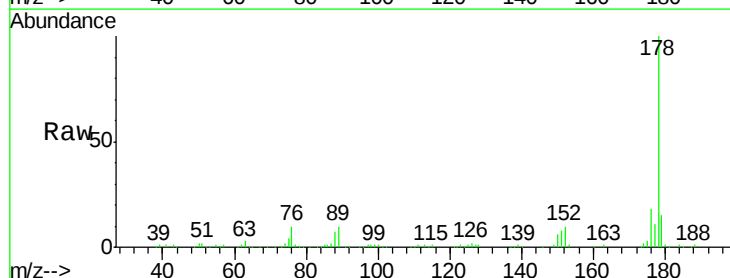


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

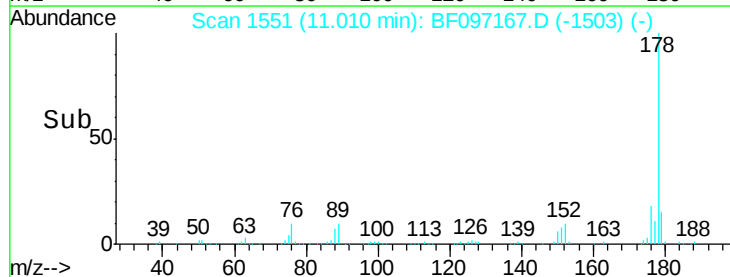
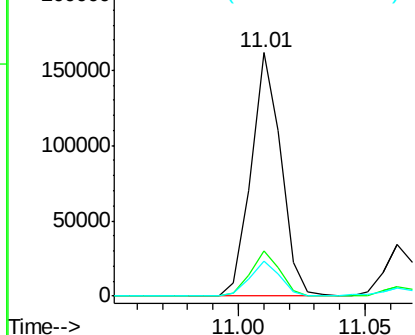


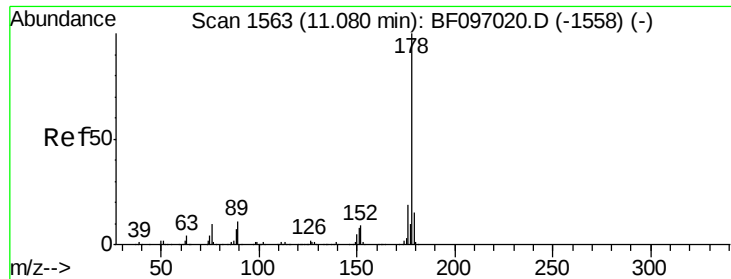
#70
 Phenanthrene
 Concen: 10.52 ng
 RT: 11.01 min Scan# 1551
 Delta R.T. -0.02 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Tgt Ion:178 Resp: 133367
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 14.5 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

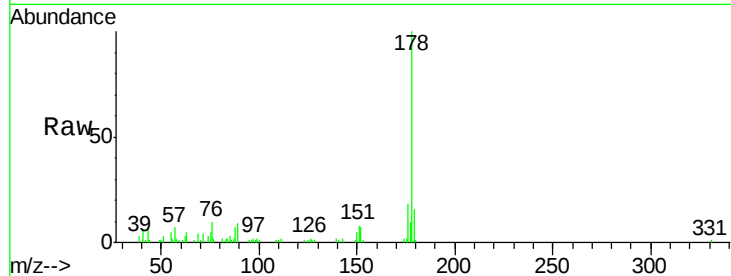




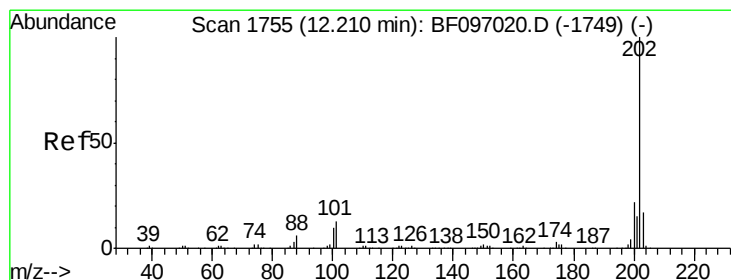
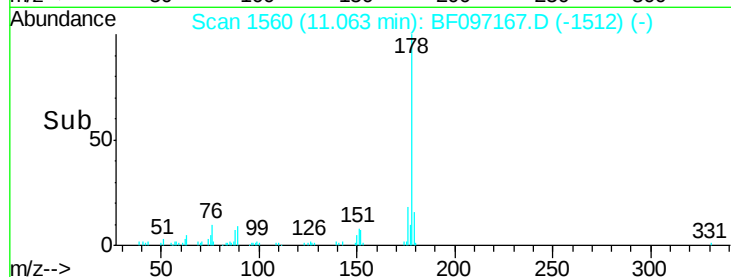
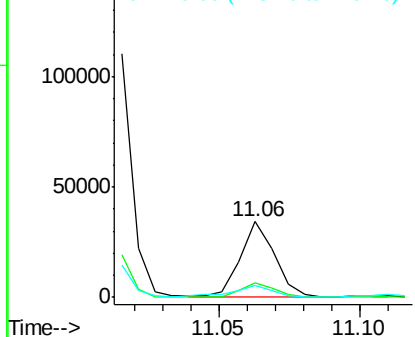
#71
 Anthracene
 Concen: 2.20 ng
 RT: 11.06 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072617

Tot Ion:178 Resp: 28589
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.9 12.7 19.1

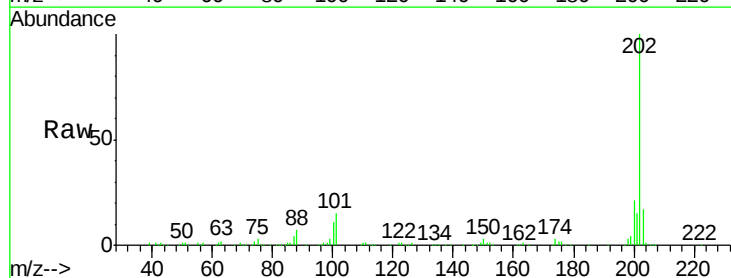


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

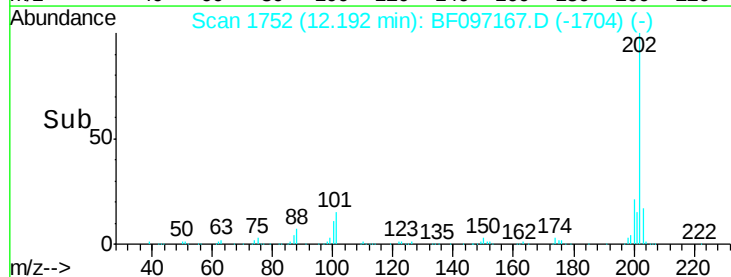
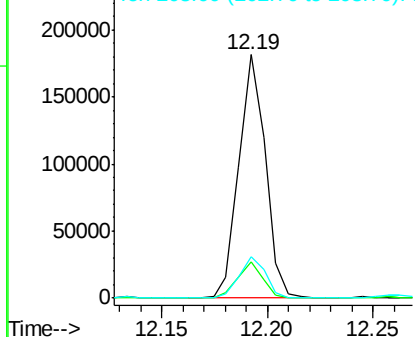


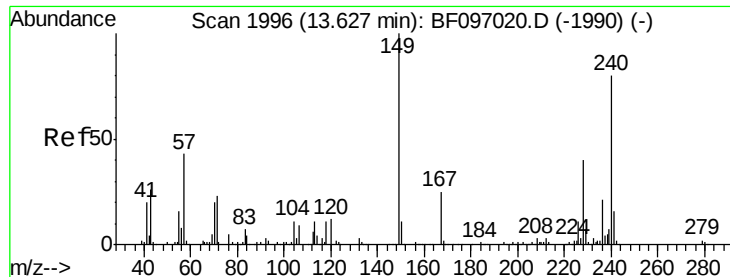
#74
 Fluoranthene
 Concen: 12.73 ng
 RT: 12.19 min Scan# 1752
 Delta R.T. -0.02 min
 Lab File: BF097167.D
 Acq: 28 Jul 2017 21:26

Tgt Ion:202 Resp: 158115
 Ion Ratio Lower Upper
 202 100
 101 14.9 0.0 33.2
 203 16.8 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: 13.61 min Scan# 1993

Delta R.T. -0.02 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-072617

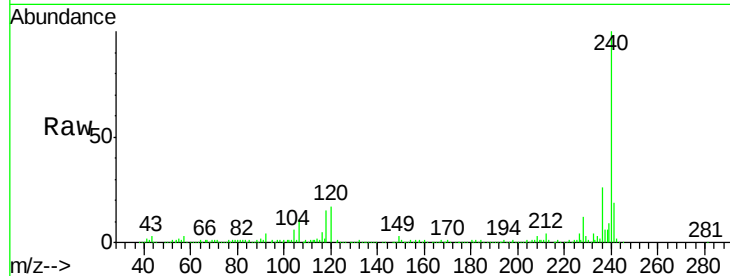
Tot Ion:240 Resp: 205071

Ion Ratio Lower Upper

240 100

120 16.8 5.8 8.8#

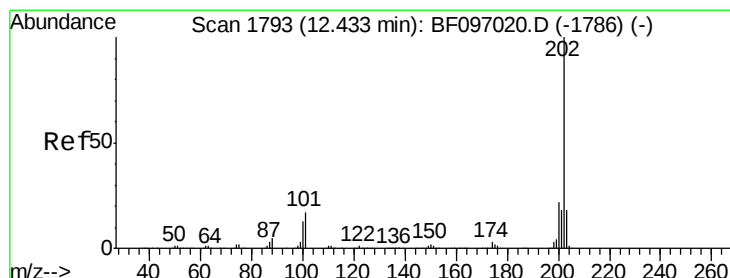
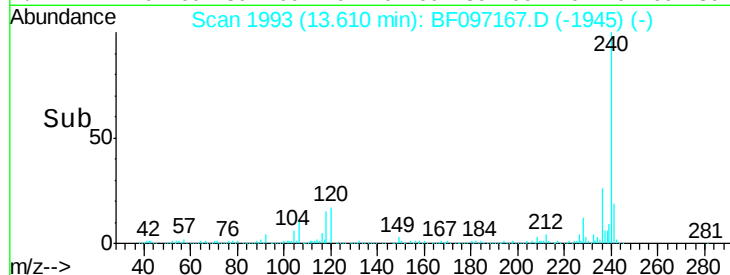
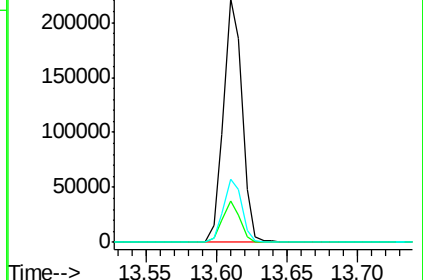
236 25.8 20.5 30.7



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: 8.02 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

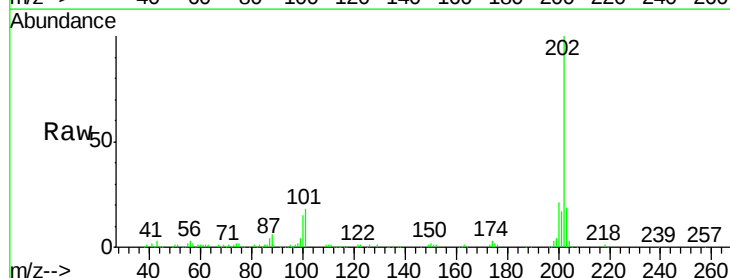
Tgt Ion:202 Resp: 134672

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

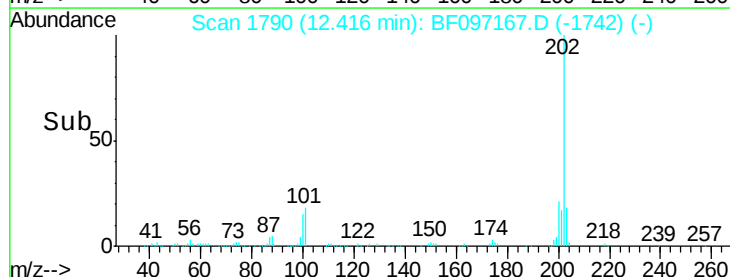
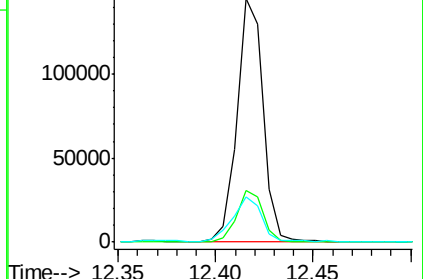
203 18.6 14.4 21.6

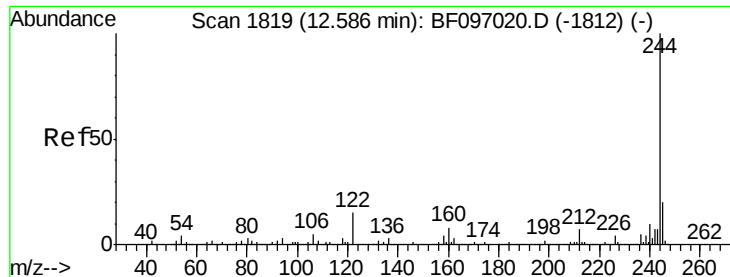


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 41.30 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-072617

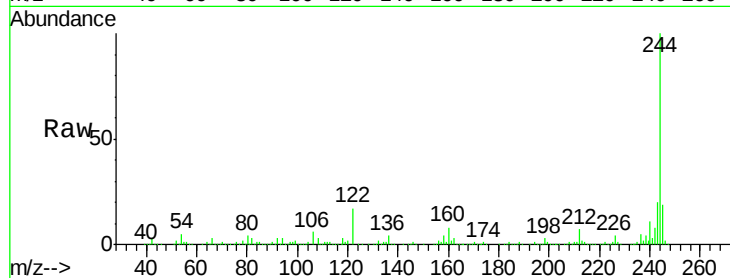
Tot Ion:244 Resp: 415362

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

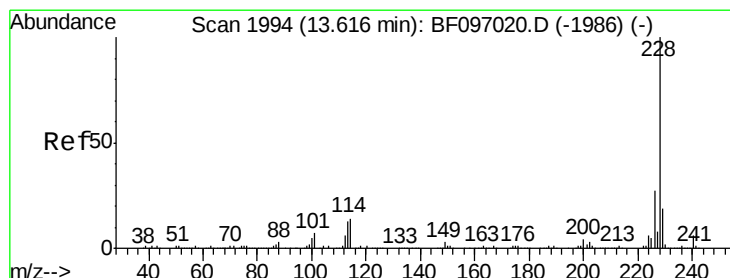
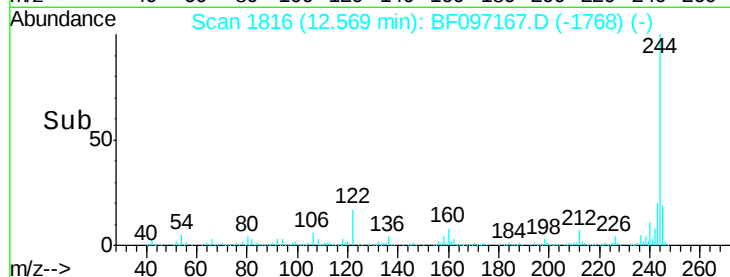
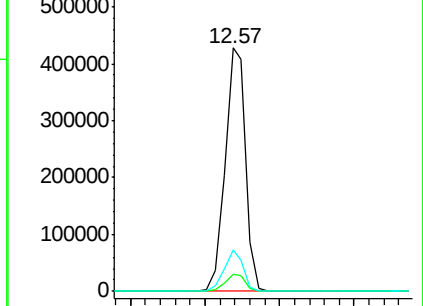
122 17.1 10.3 15.5#



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: 4.76 ng

RT: 13.60 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

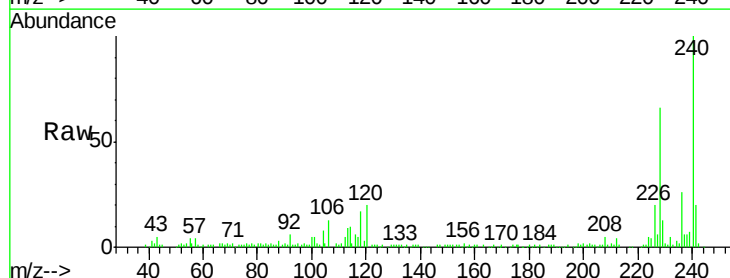
Tgt Ion:228 Resp: 63109

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

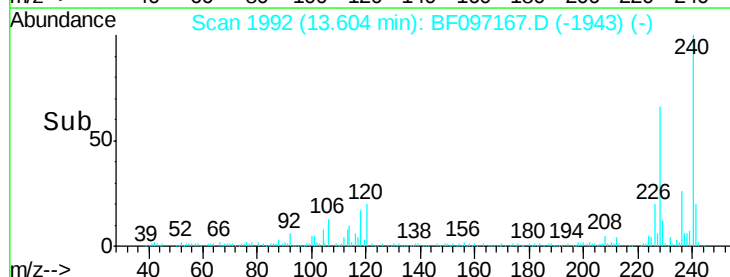
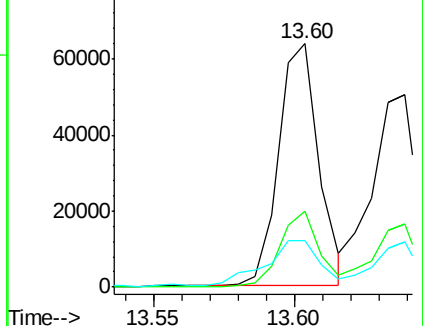
229 19.3 16.3 24.5

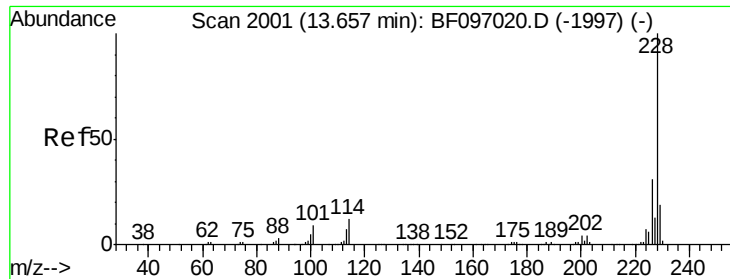


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.39 ng

RT: 13.64 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-072617

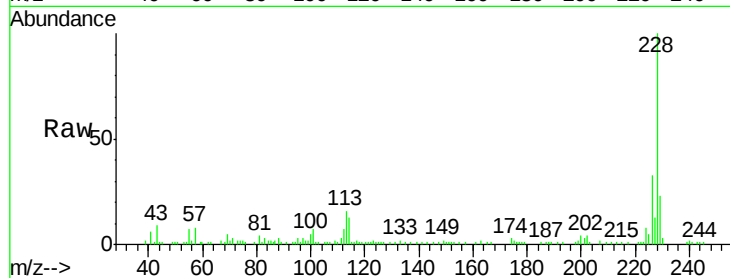
Tot Ion:228 Resp: 56888

Ion Ratio Lower Upper

228 100

226 32.7 24.9 37.3

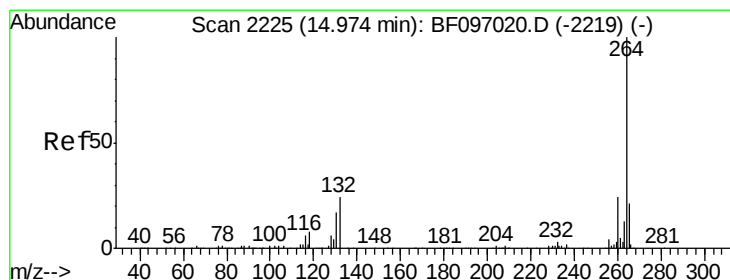
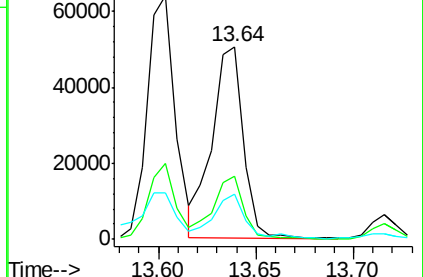
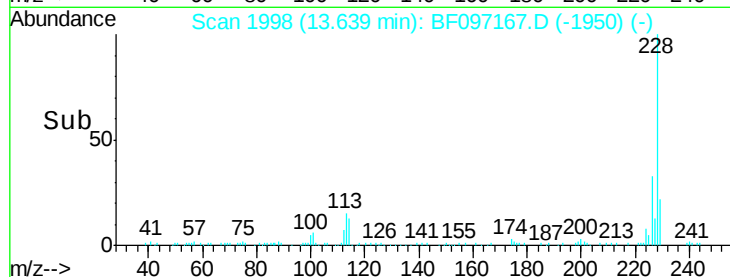
229 23.4 15.8 23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.96 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

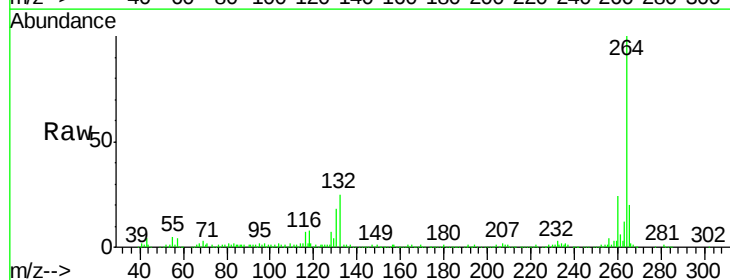
Tgt Ion:264 Resp: 172794

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

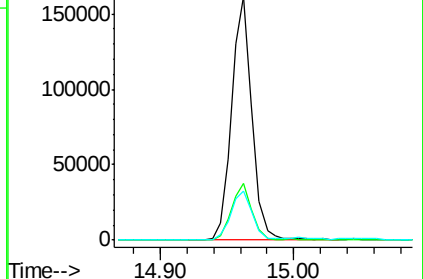
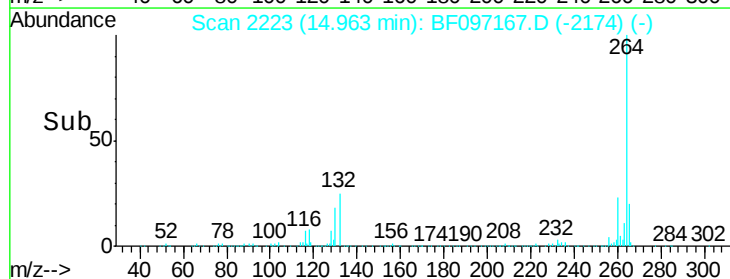
265 20.0 17.2 25.8

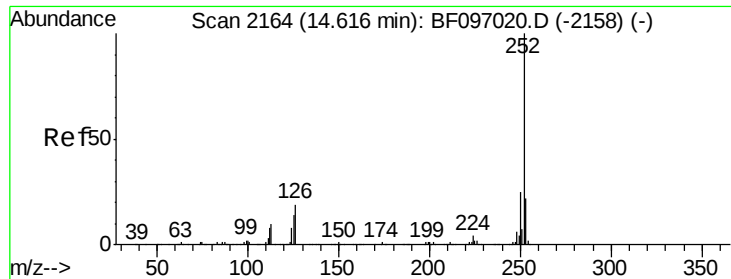


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 8.49 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.01 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-072617

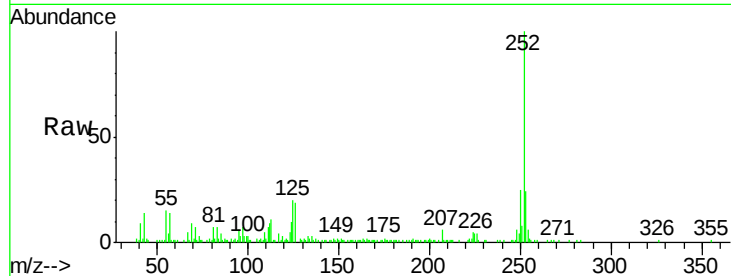
Tot Ion:252 Resp: 88168

Ion Ratio Lower Upper

252 100

253 24.5 18.1 27.1

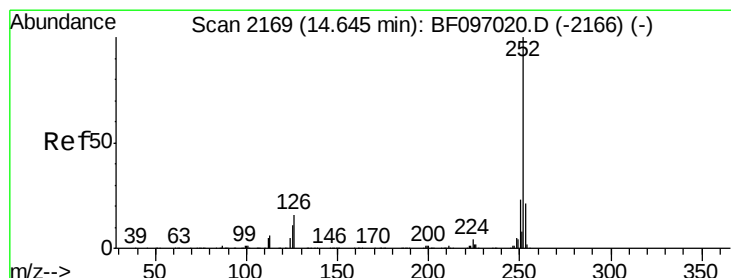
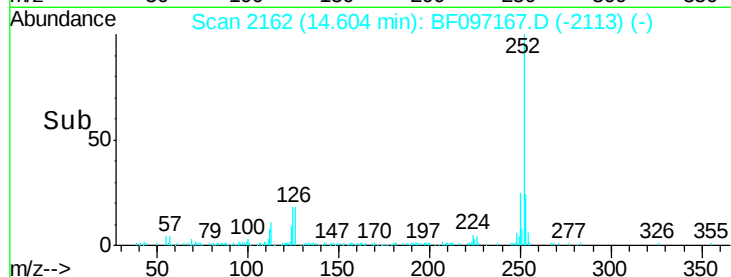
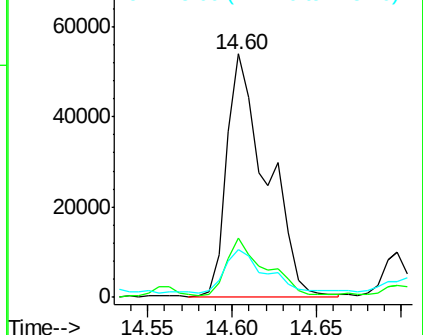
125 19.5 9.8 14.8#



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: 8.91 ng

RT: 14.60 min Scan# 2162

Delta R.T. -0.04 min

Lab File: BF097167.D

Acq: 28 Jul 2017 21:26

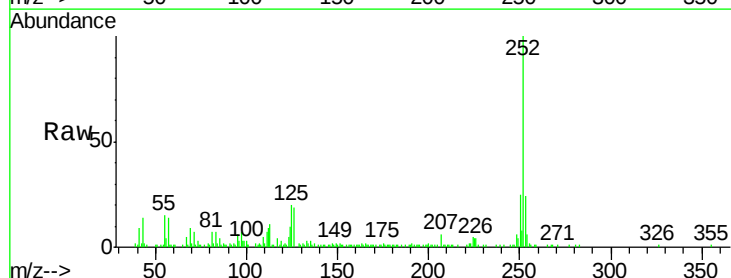
Tgt Ion:252 Resp: 88168

Ion Ratio Lower Upper

252 100

253 24.5 18.4 27.6

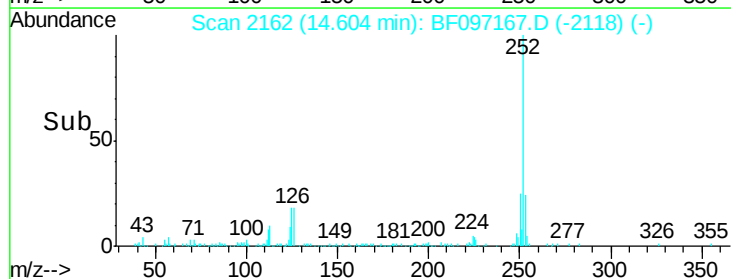
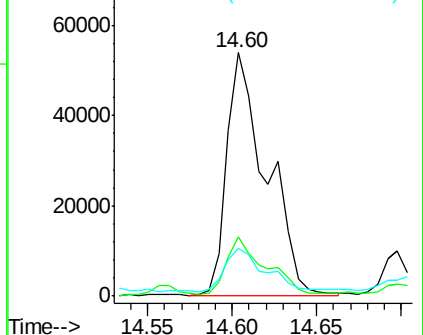
125 19.5 13.1 19.7

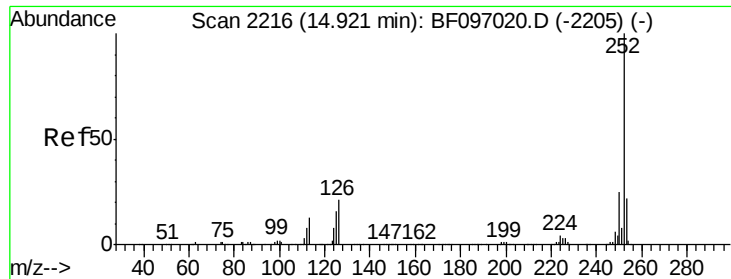


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

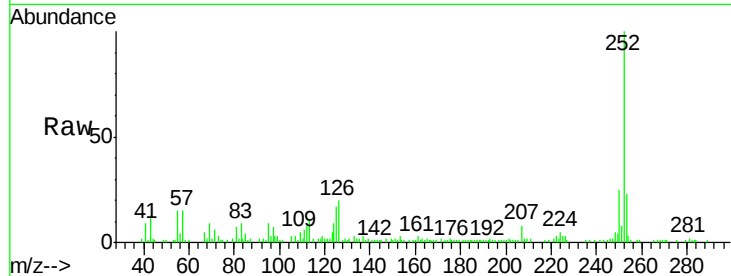




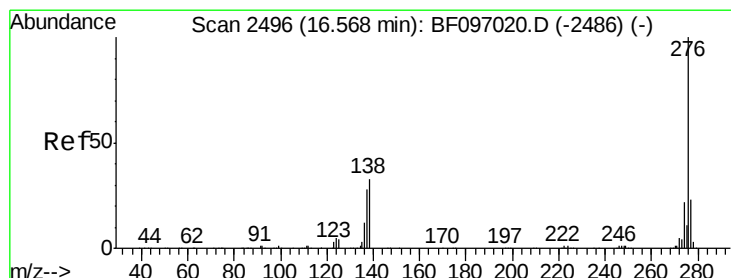
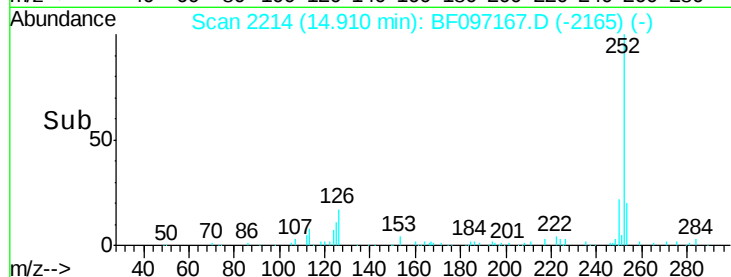
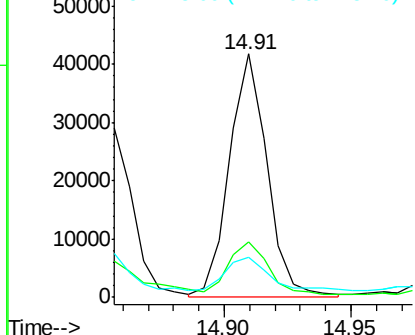
#89
Benzo(a)pyrene
Concen: 4.53 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097167.D
Acq: 28 Jul 2017 21:26

Instrument :
BNA_F
ClientSampled :
TR-04-072617

Tot Ion:252 Resp: 43053
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 16.6 11.0 16.4#

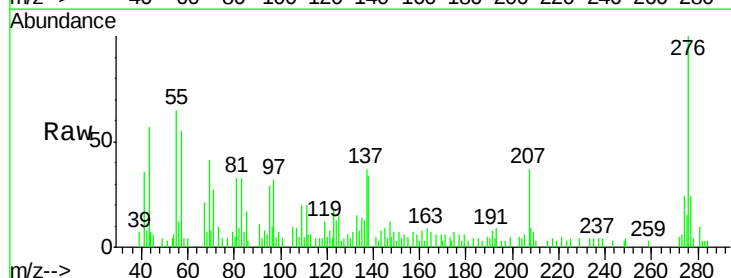


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.32 ng
RT: 16.54 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BF097167.D
Acq: 28 Jul 2017 21:26

Tgt Ion:276 Resp: 18946
Ion Ratio Lower Upper
276 100
277 24.1 18.6 28.0
138 34.1 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

