

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052417\
 Data File : BF095390.D
 Acq On : 24 May 2017 15:47
 Operator : SJ/MA
 Sample : I3281-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 25 01:02:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

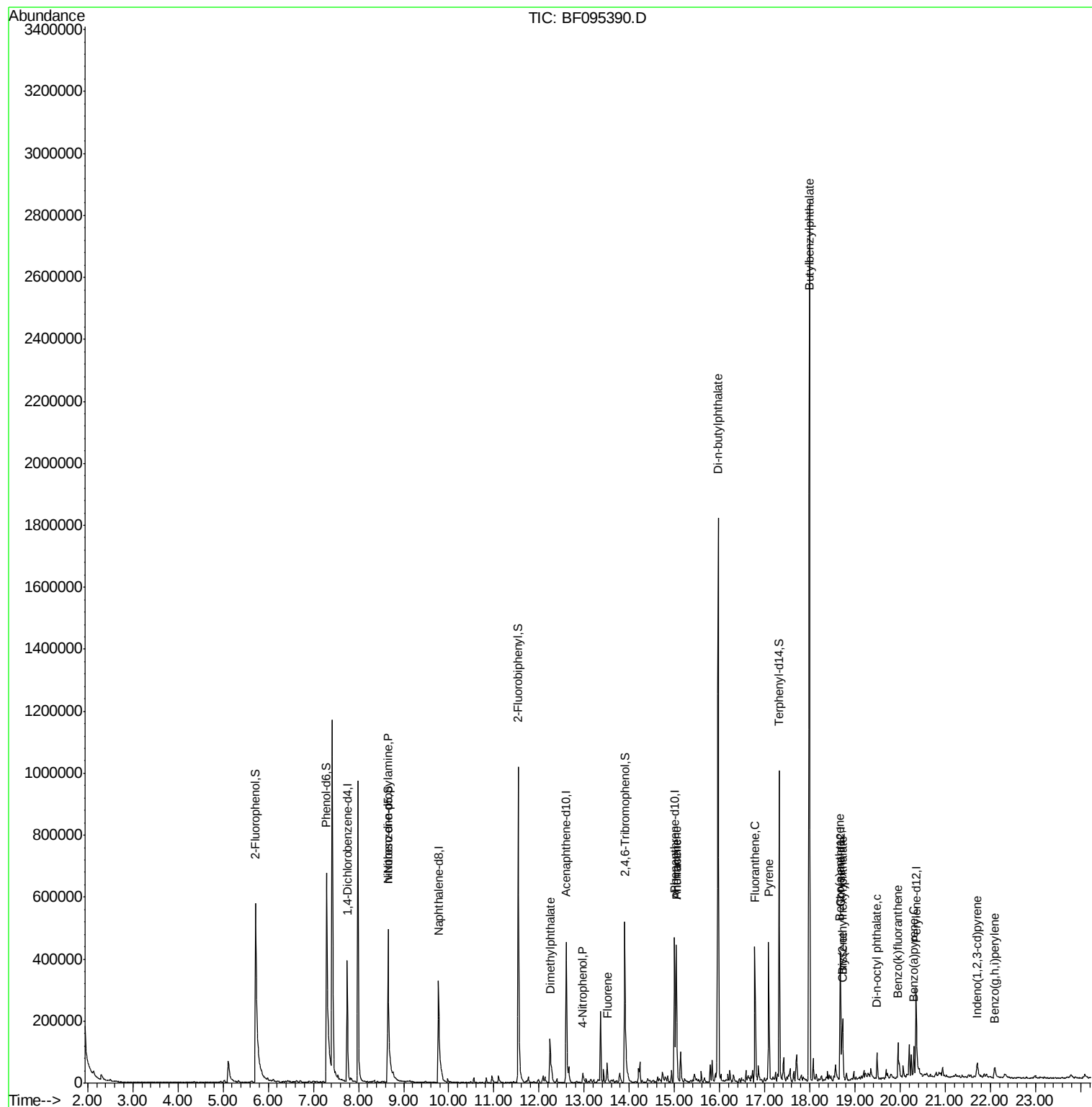
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	91365	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	341270	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	151673	20.00	ng	-0.02
63) Phenanthrene-d10	15.00	188	262116	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	166009	20.00	ng	-0.02
86) Perylene-d12	20.35	264	146416	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	524925	95.79	ng	-0.02
7) Phenol-d6	7.29	99	667705	101.55	ng	-0.02
23) Nitrobenzene-d5	8.65	82	395845	73.14	ng	-0.02
41) 2,4,6-Tribromophenol	13.90	330	110015	88.57	ng	-0.02
44) 2-Fluorobiphenyl	11.54	172	570764	54.16	ng	-0.02
78) Terphenyl-d14	17.32	244	408588	54.21	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	43524	9.79	ng	# 73
49) Dimethylphthalate	12.24	163	119565	9.60	ng	98
55) 4-Nitrophenol	12.97	139	8582	5.24	ng	# 25
57) Fluorene	13.51	166	25517	2.20	ng	93
70) Phenanthrene	15.04	178	286552	19.03	ng	98
71) Anthracene	15.04	178	286552	18.63	ng	98
73) Di-n-butylphthalate	15.97	149	1345151	77.06	ng	99
74) Fluoranthene	16.79	202	261286	16.91	ng	98
77) Pyrene	17.09	202	210926	16.99	ng	95
79) Butylbenzylphthalate	17.99	149	951098	164.69	ng	# 88
80) Benzo(a)anthracene	18.67	228	70072	7.25	ng	97
82) Chrysene	18.71	228	69817	7.47	ng	99
83) Bis(2-ethylhexyl)phthalate	18.72	149	61036	7.42	ng	# 99
84) Di-n-octyl phthalate	19.49	149	48770	3.62	ng	# 99
85) Indeno(1,2,3-cd)pyrene	21.71	276	32531	4.29	ng	98
88) Benzo(k)fluoranthene	19.95	252	87991	10.08	ng	98
89) Benzo(a)pyrene	20.31	252	46613	5.58	ng	95
91) Benzo(g,h,i)perylene	22.09	276	30951	4.57	ng	# 88

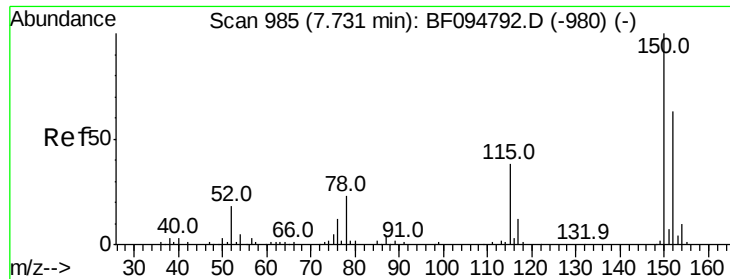
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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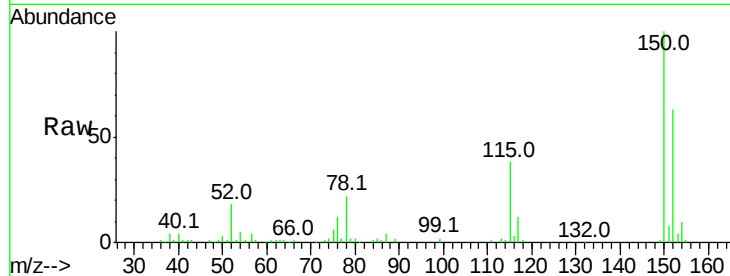


#1

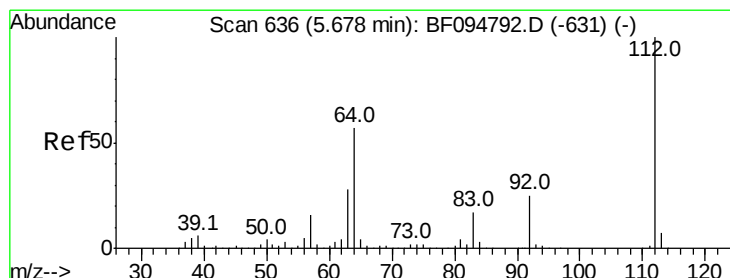
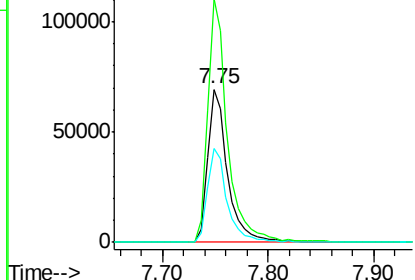
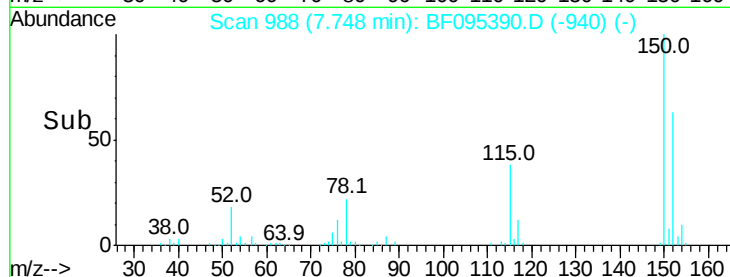
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.75 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 91365
Ion Ratio Lower Upper
152 100
150 159.4 126.2 189.2
115 61.2 52.2 78.2



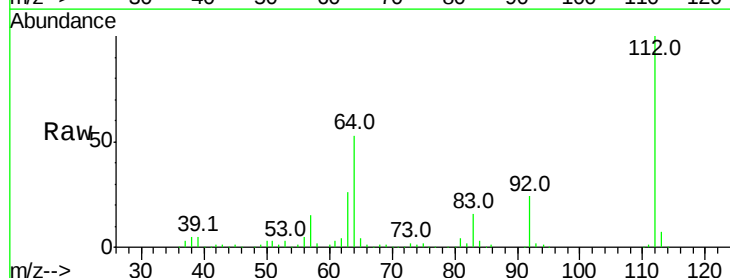
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



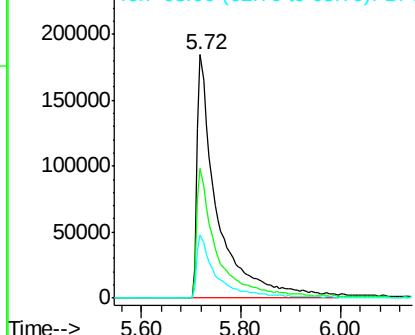
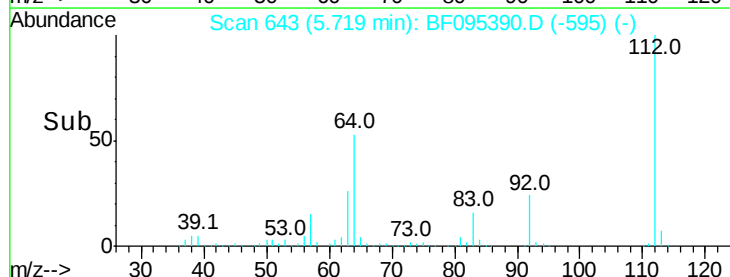
#5

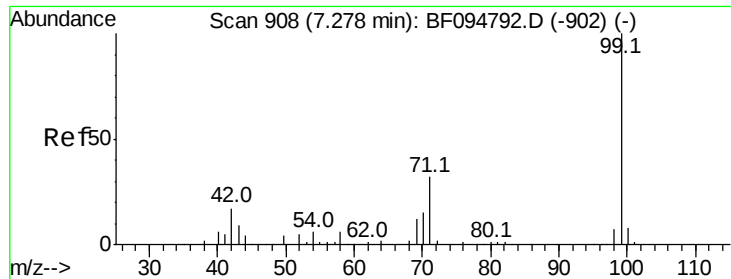
2-Fluorophenol
Concen: 95.79 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion:112 Resp: 524925
Ion Ratio Lower Upper
112 100
64 53.3 46.0 69.0
63 25.8 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: 101.55 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

ClientSampleId :

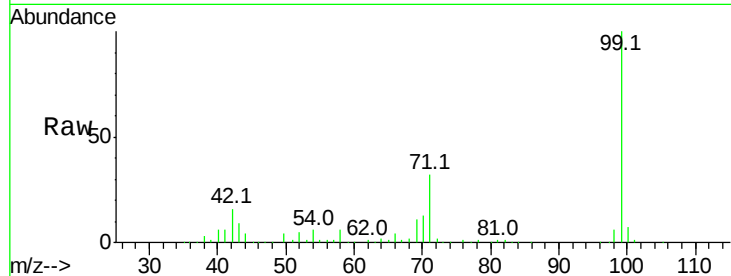
Tot Ion: 99 Resp: 667705

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

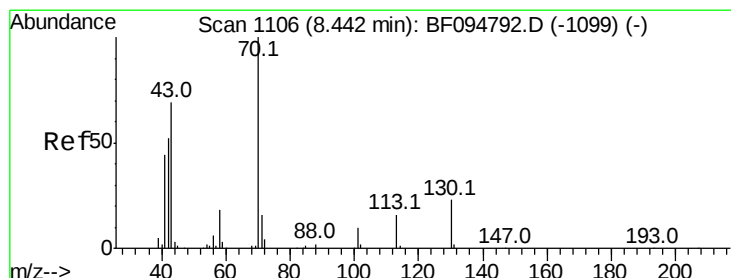
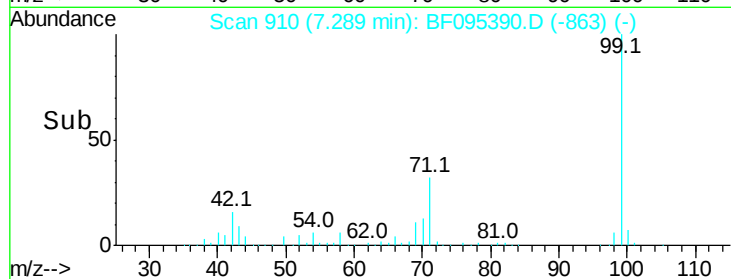
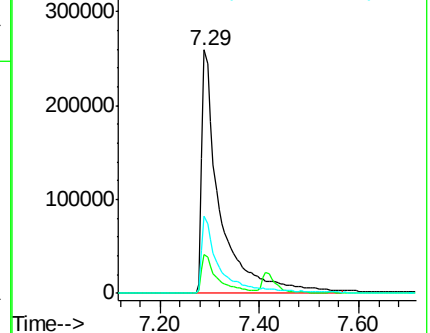
71 32.0 24.5 36.7



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: 9.79 ng

RT: 8.65 min Scan# 1142

Delta R.T. 0.18 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Tgt Ion: 70 Resp: 43524

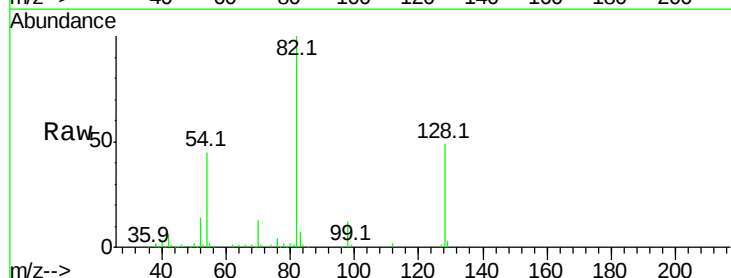
Ion Ratio Lower Upper

70 100

42 43.0 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

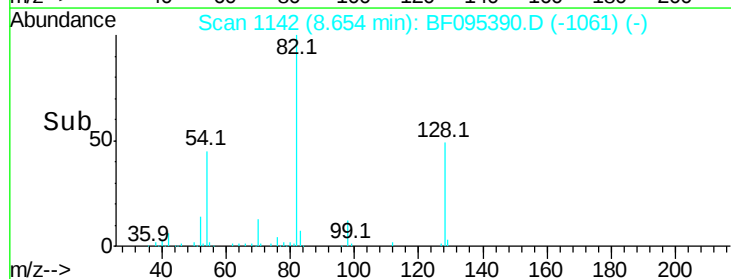
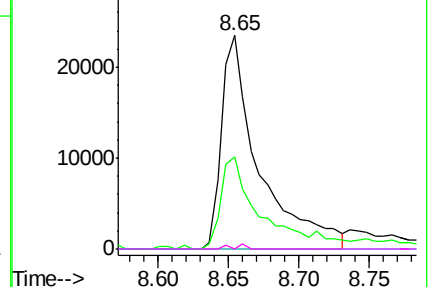


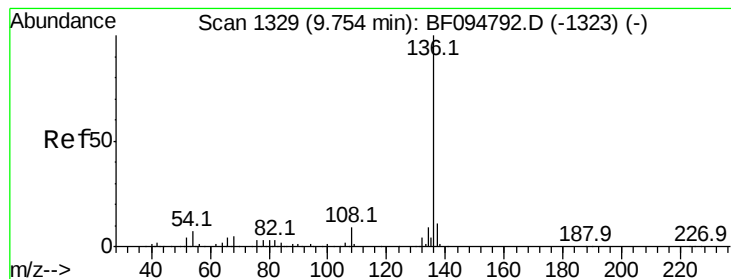
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.77 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 341270

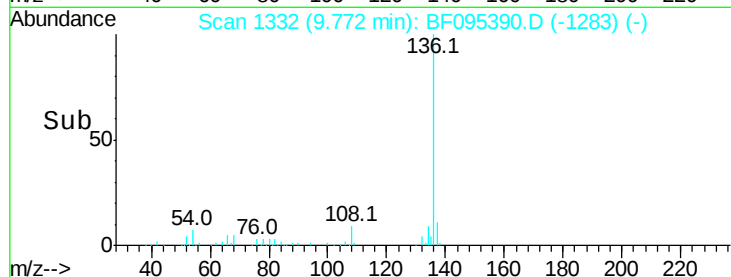
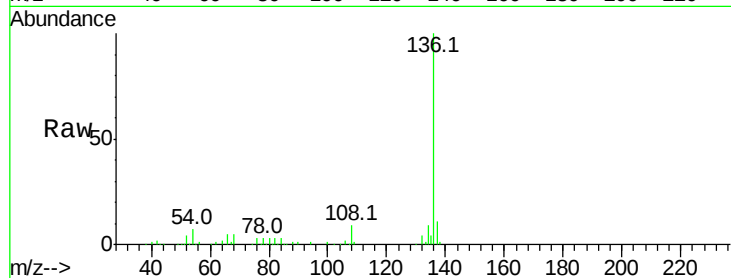
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 6.8 4.9 7.3

68 5.3 4.1 6.1

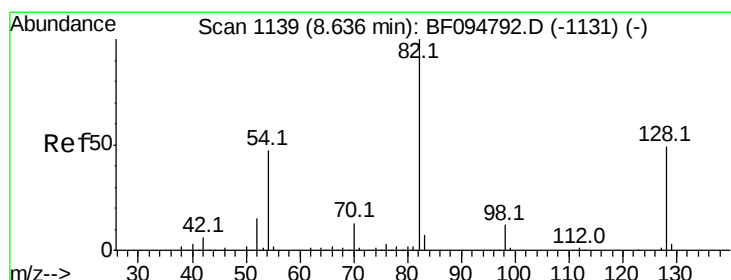
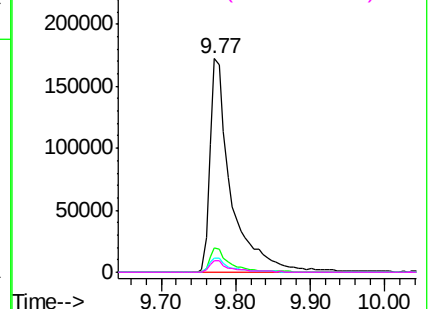


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.14 ng

RT: 8.65 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

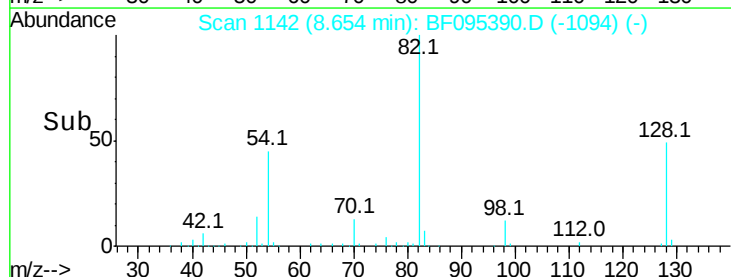
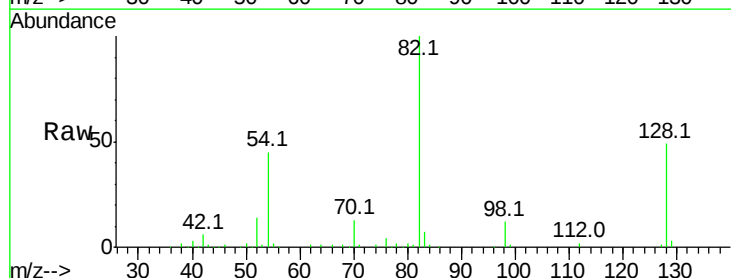
Tgt Ion: 82 Resp: 395845

Ion Ratio Lower Upper

82 100

128 49.3 34.0 51.0

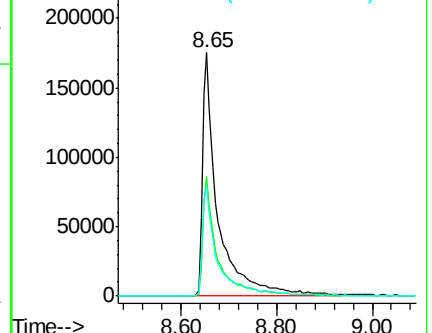
54 45.5 42.2 63.2

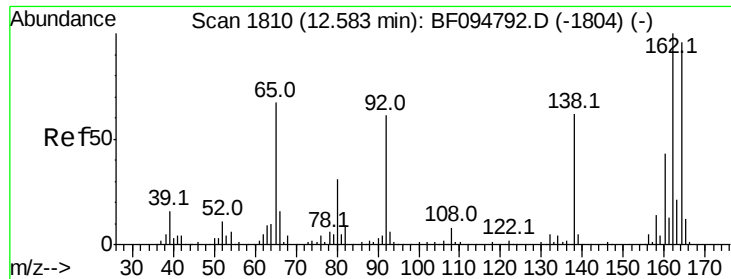


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

ClientSampleId :

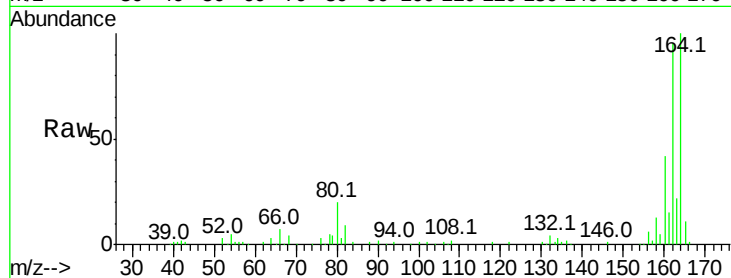
Tot Ion:164 Resp: 151673

Ion Ratio Lower Upper

164 100

162 95.0 82.6 123.8

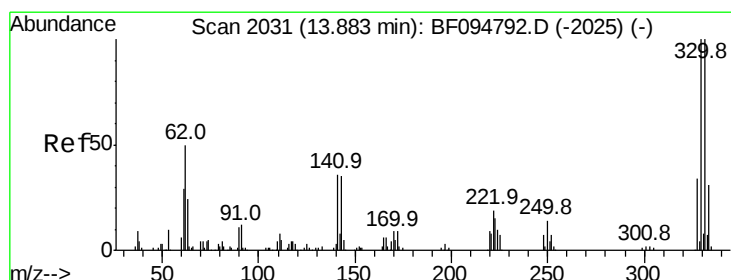
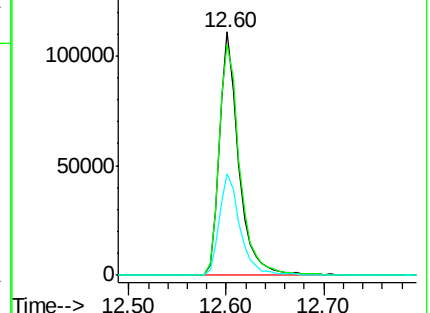
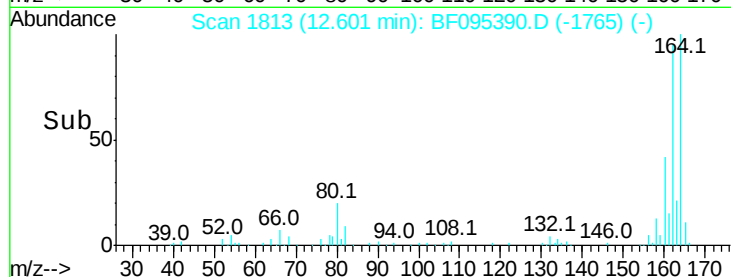
160 41.8 36.2 54.2



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: 88.57 ng

RT: 13.90 min Scan# 2034

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

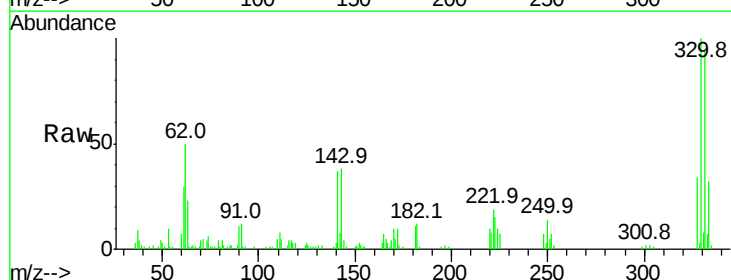
Tgt Ion:330 Resp: 110015

Ion Ratio Lower Upper

330 100

332 97.5 76.6 115.0

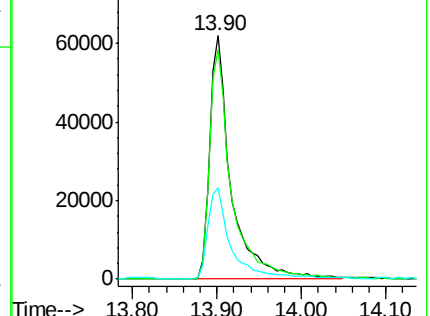
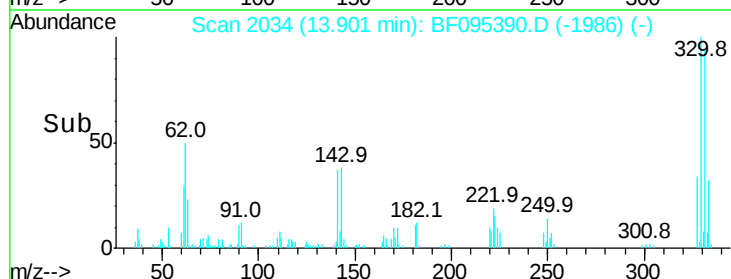
141 41.5 31.4 47.2

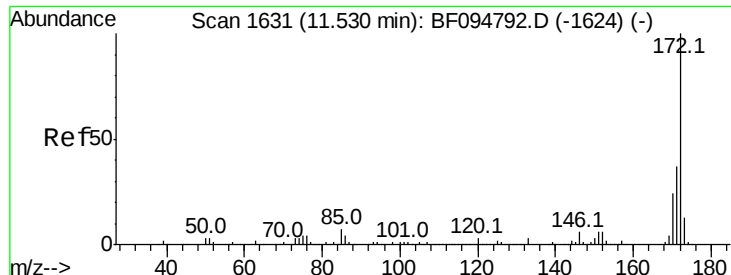


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

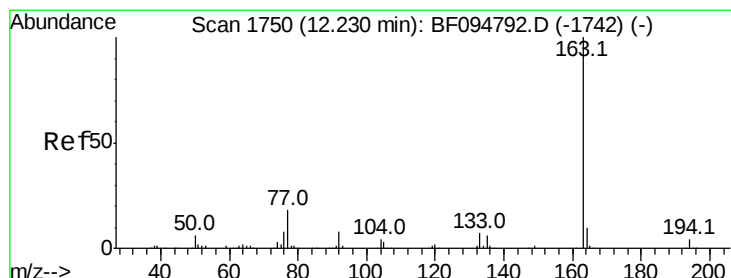
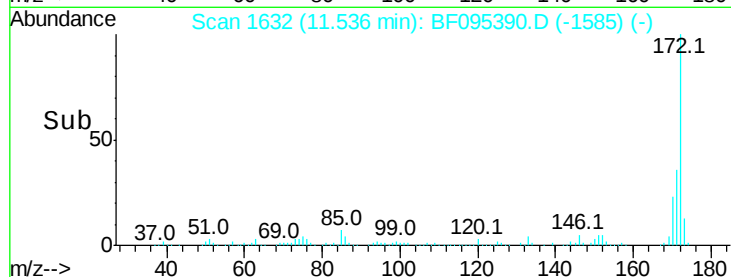
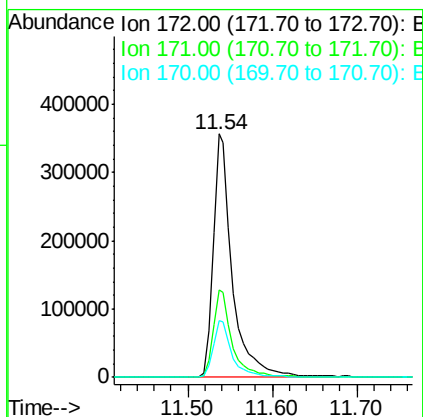
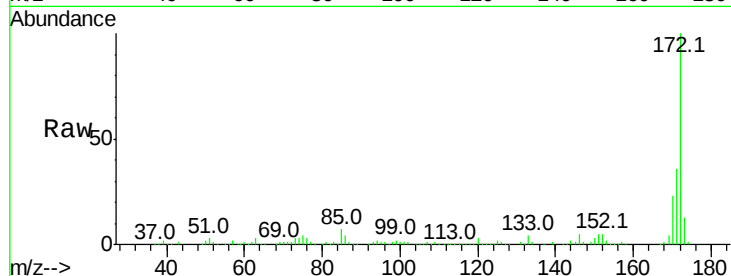




#44
2-Fluorobiphenyl
Concen: 54.16 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

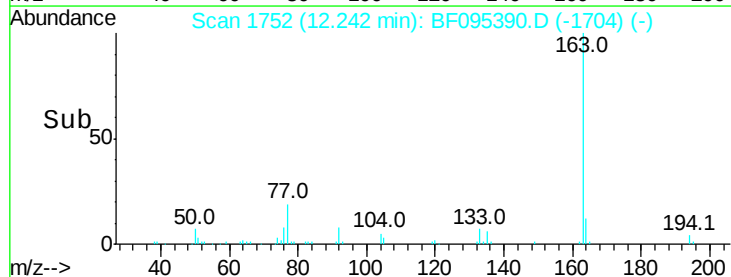
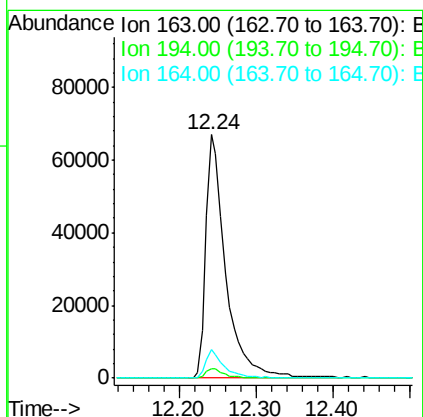
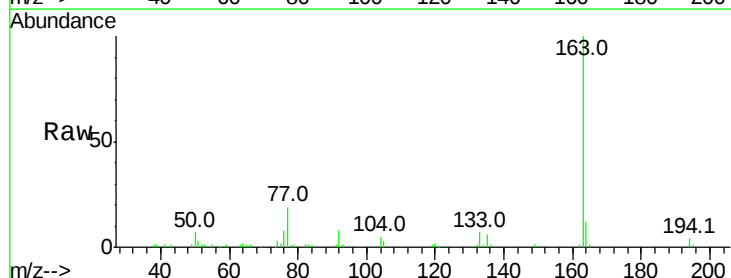
Instrument :
BNA_F
ClientSampleId :

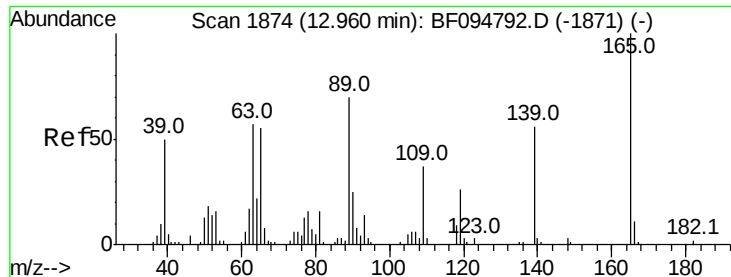
Tot Ion:172 Resp: 570764
Ion Ratio Lower Upper
172 100
171 36.1 29.6 44.4
170 23.1 19.8 29.8



#49
Dimethylphthalate
Concen: 9.60 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion:163 Resp: 119565
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 11.6 8.4 12.6





#55

4-Nitrophenol

Concen: 5.24 ng

RT: 12.97 min Scan# 1875

Delta R.T. -0.07 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

ClientSampleId :

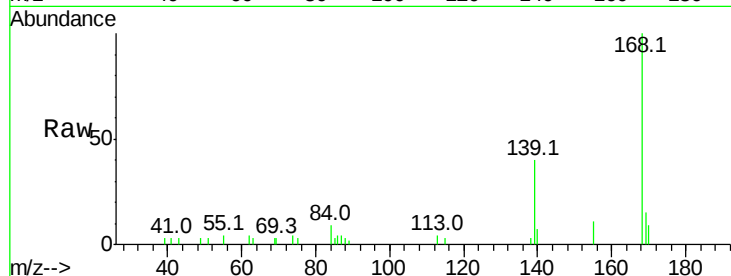
Tot Ion:139 Resp: 8582

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

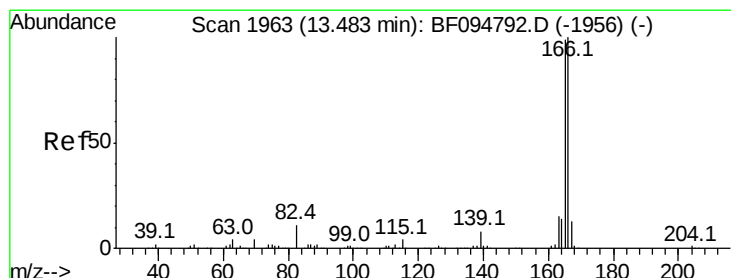
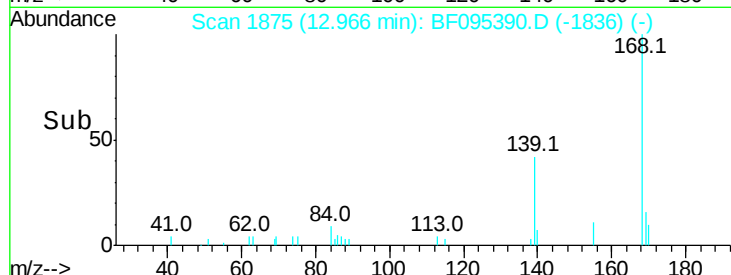
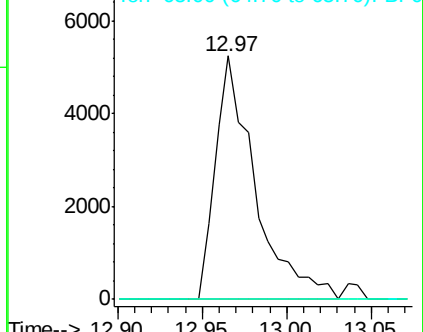
65 0.0 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 2.20 ng

RT: 13.51 min Scan# 1968

Delta R.T. -0.01 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

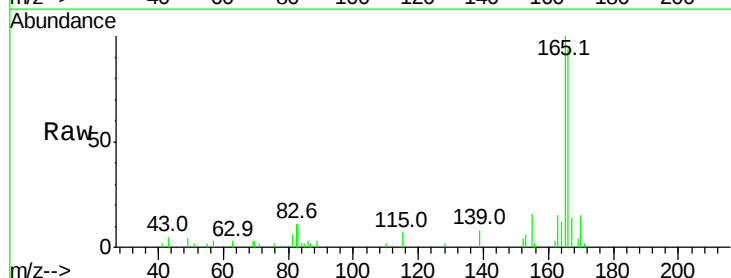
Tgt Ion:166 Resp: 25517

Ion Ratio Lower Upper

166 100

165 105.9 78.8 118.2

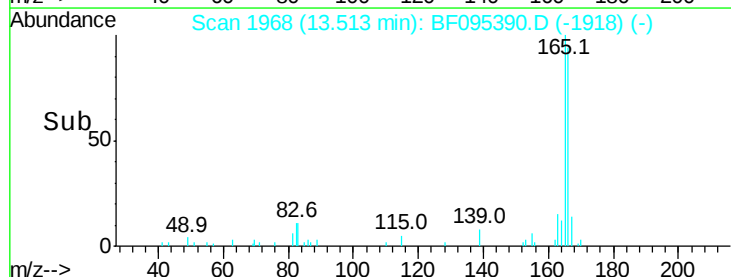
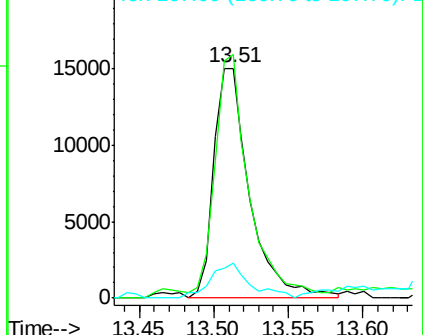
167 15.3 10.6 16.0

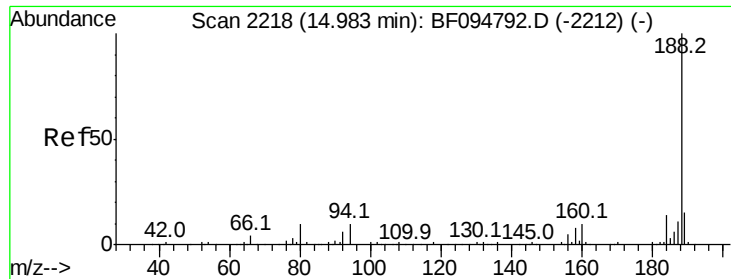


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

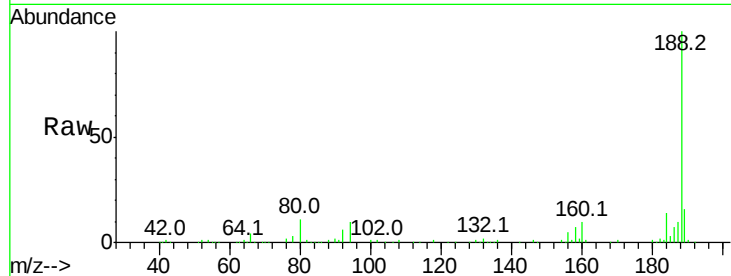




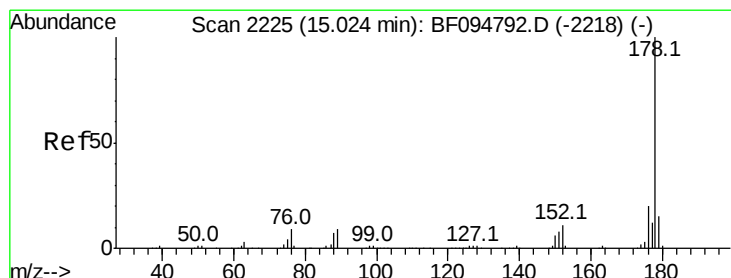
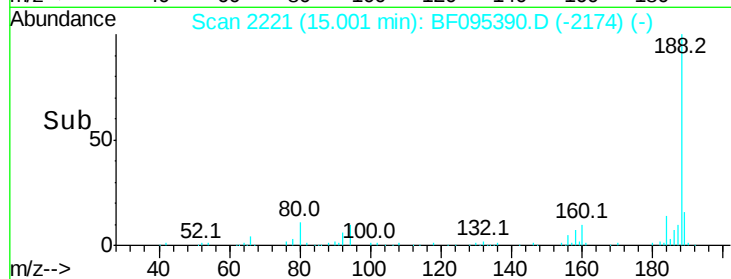
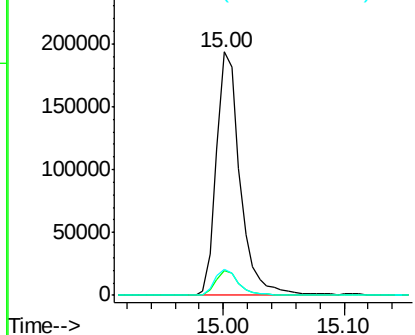
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.02 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 262116
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 10.7 10.2 15.2

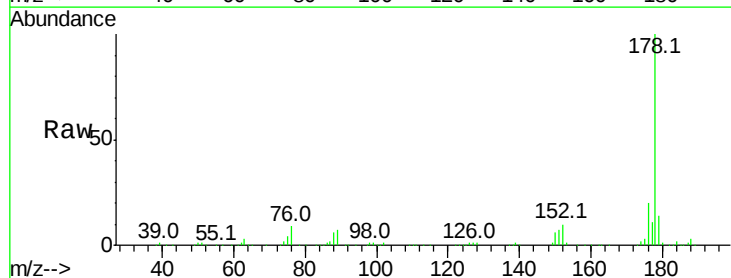


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

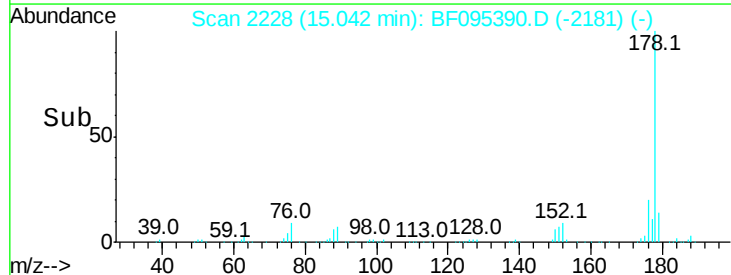
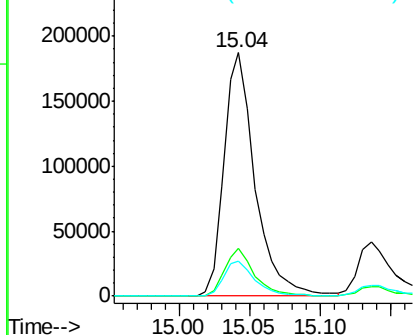


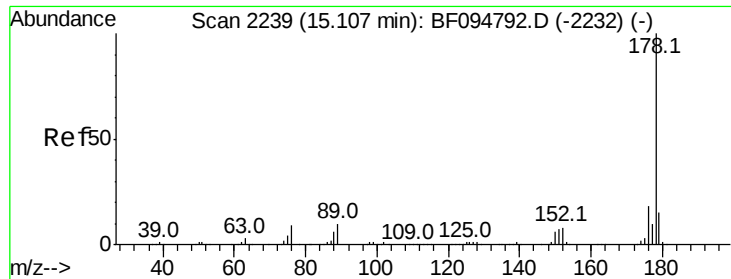
#70
 Phenanthrene
 Concen: 19.03 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

Tgt Ion:178 Resp: 286552
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 14.3 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

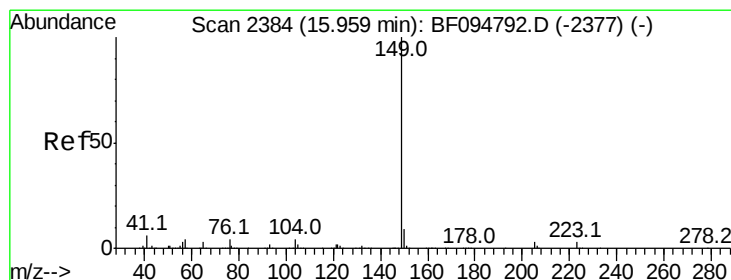
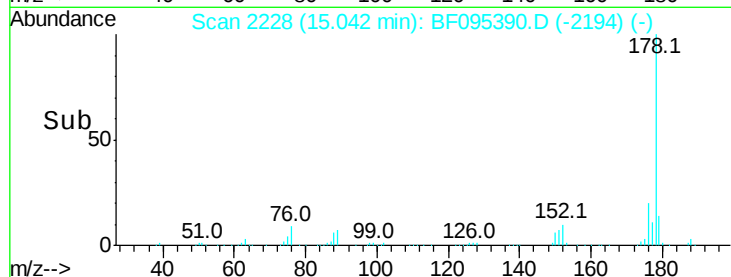
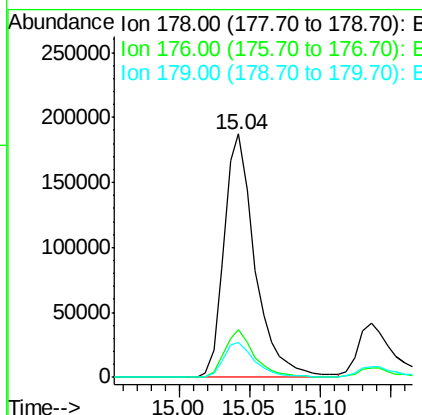
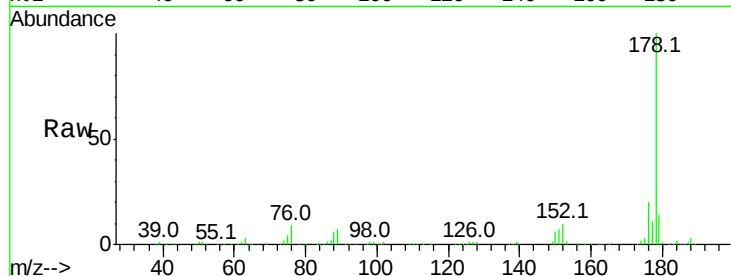




#71
 Anthracene
 Concen: 18.63 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.10 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

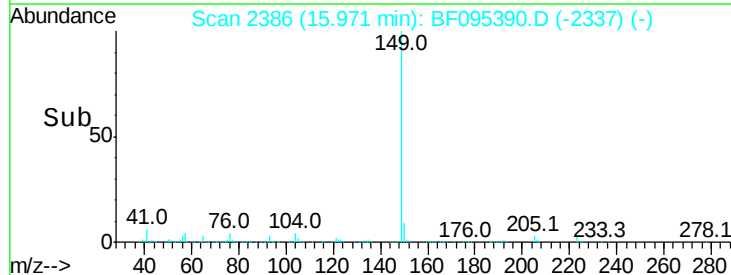
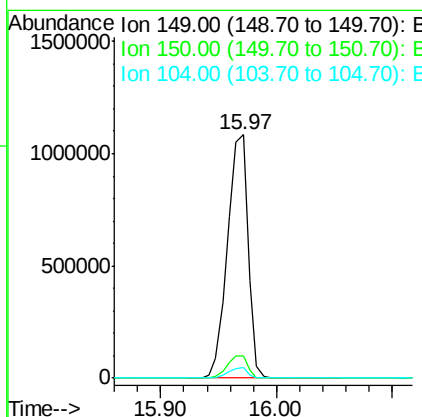
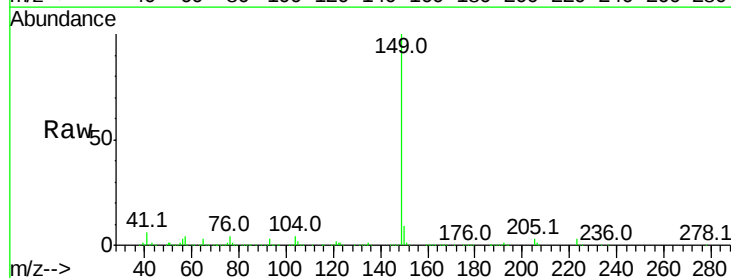
Instrument :
 BNA_F
 ClientSampled :

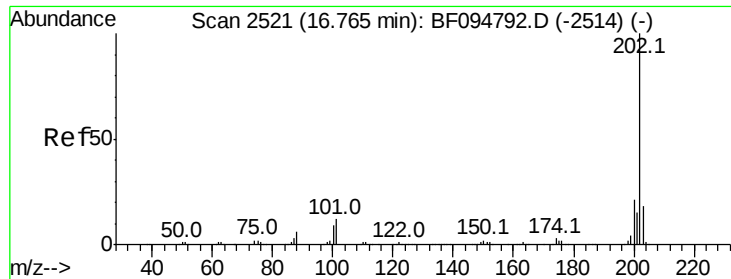
Tot Ion:178 Resp: 286552
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 14.3 12.7 19.1



#73
 Di-n-butylphthalate
 Concen: 77.06 ng
 RT: 15.97 min Scan# 2386
 Delta R.T. -0.01 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

Tgt Ion:149 Resp: 1345151
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.7 11.5
 104 4.4 4.0 6.0





#74

Fluoranthene

Concen: 16.91 ng

RT: 16.79 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

ClientSampled :

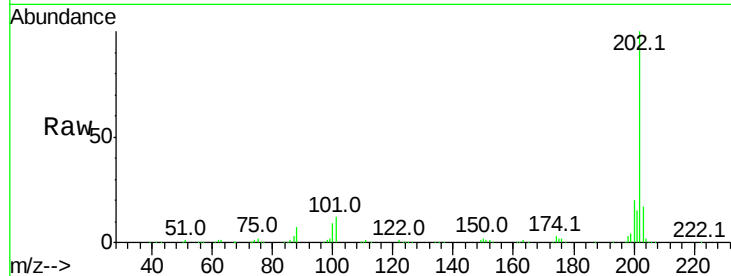
Tot Ion:202 Resp: 261286

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.2

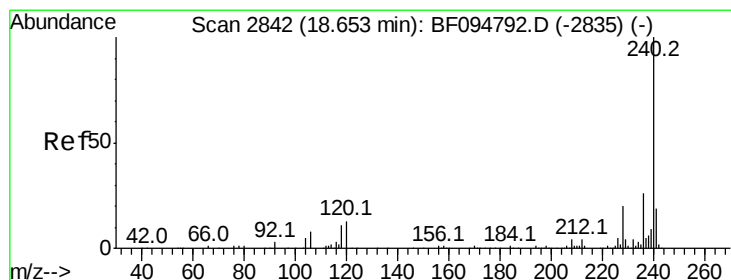
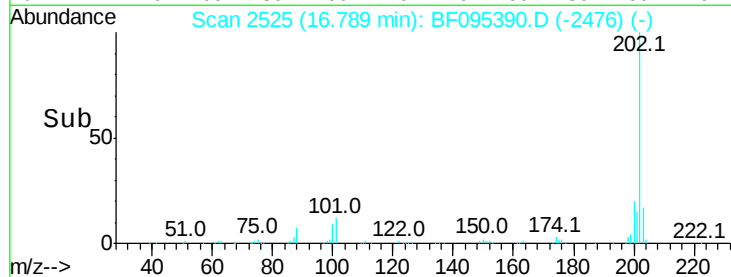
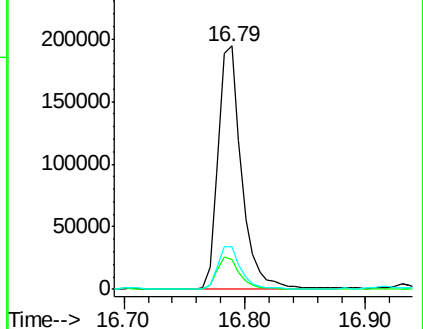
203 17.4 0.0 38.1



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: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

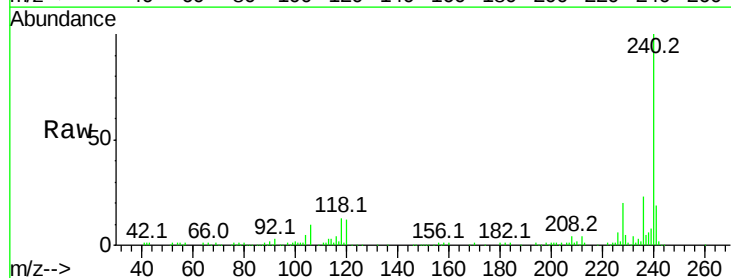
Tgt Ion:240 Resp: 166009

Ion Ratio Lower Upper

240 100

120 12.4 5.8 8.8#

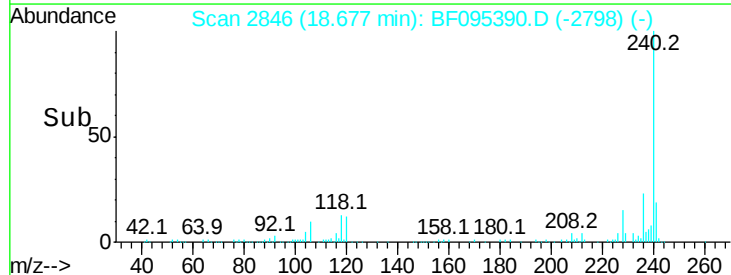
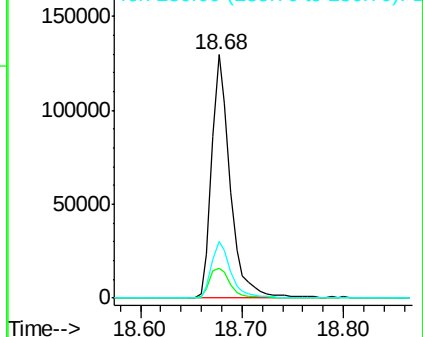
236 23.3 20.5 30.7

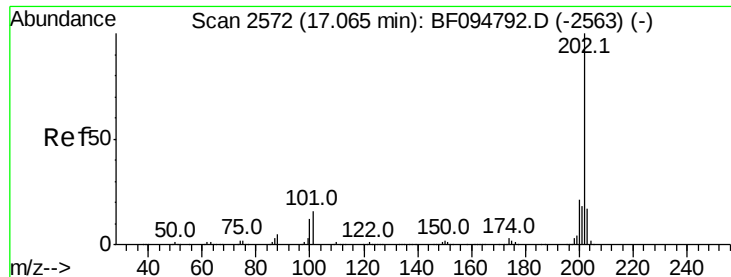


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 16.99 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

Instrument :

BNA_F

ClientSampleId :

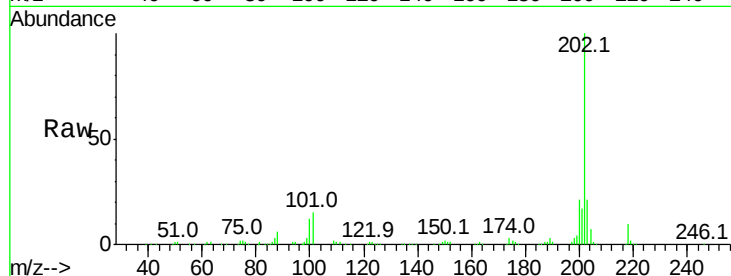
Tot Ion:202 Resp: 210926

Ion Ratio Lower Upper

202 100

200 20.6 17.6 26.4

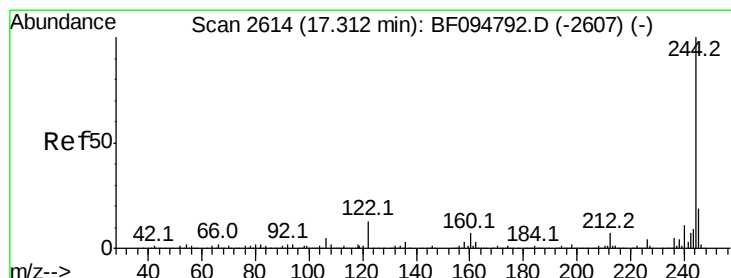
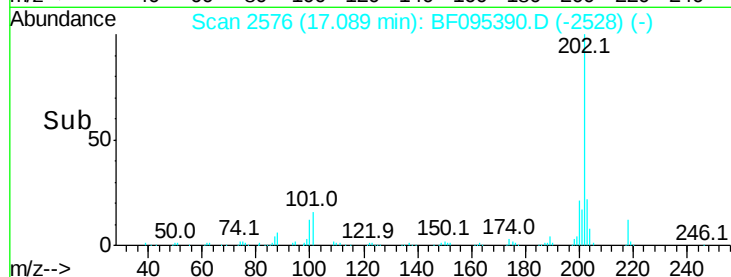
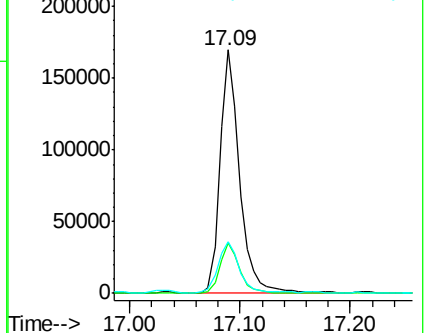
203 21.4 14.4 21.6



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: 54.21 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095390.D

Acq: 24 May 2017 15:47

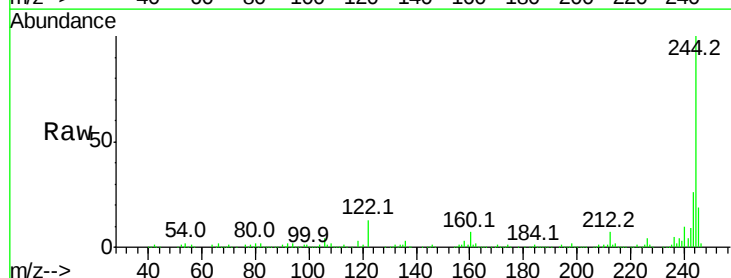
Tgt Ion:244 Resp: 408588

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

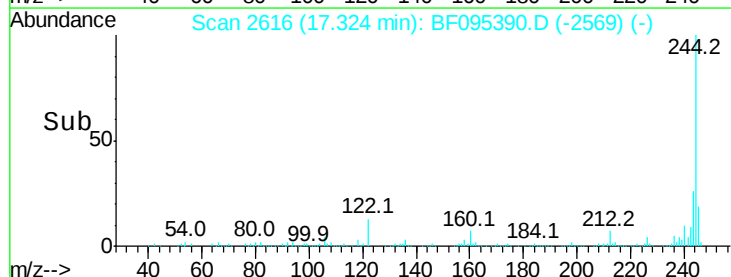
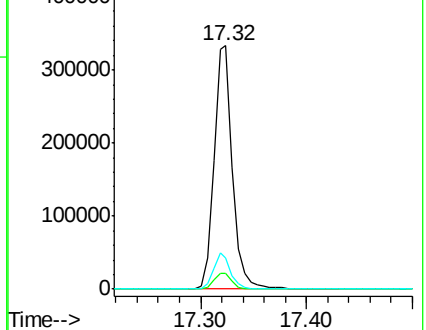
122 12.8 10.3 15.5

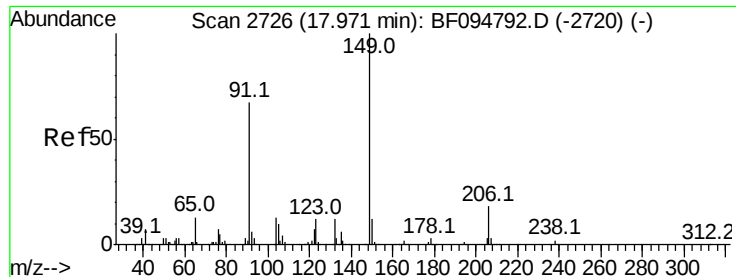


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

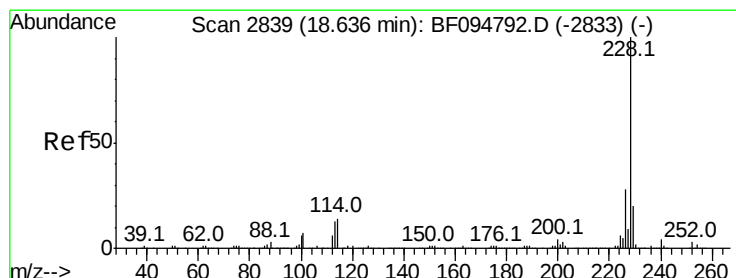
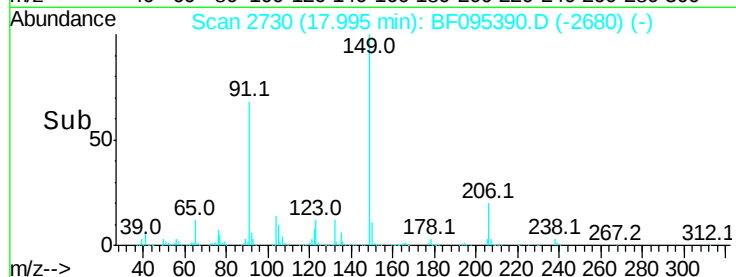
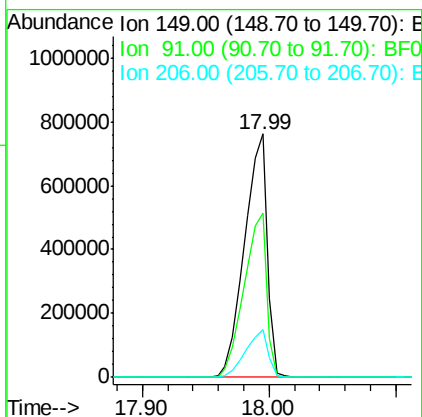
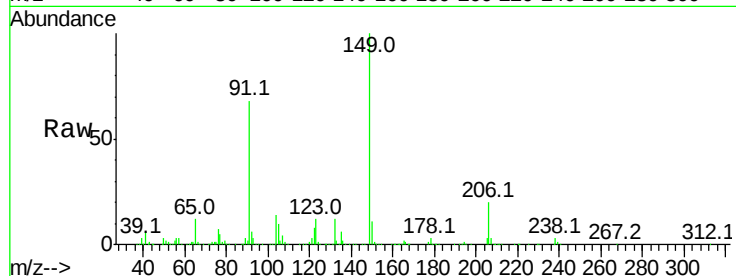




#79
Butylbenzylphthalate
Concen: 164.69 ng
RT: 17.99 min Scan# 2730
Delta R.T. -0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

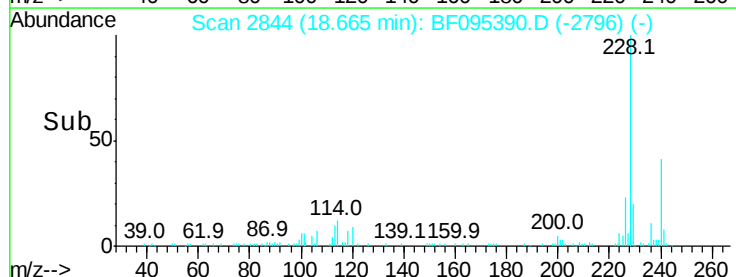
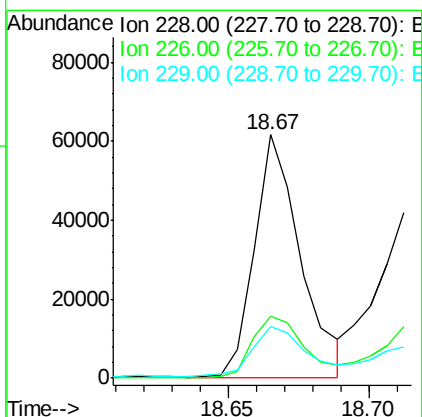
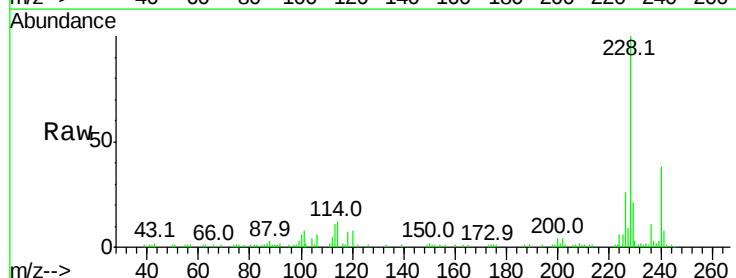
Instrument :
BNA_F
ClientSampled :

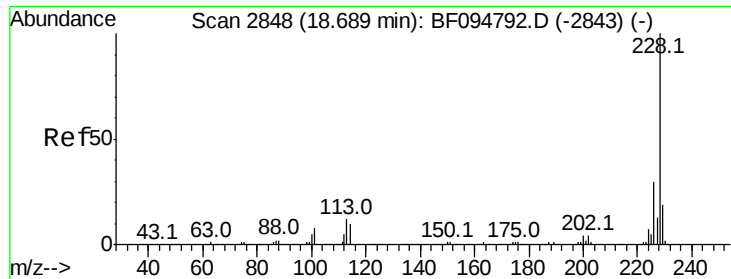
Tot Ion:149 Resp: 951098
Ion Ratio Lower Upper
149 100
91 67.7 45.0 67.4#
206 19.7 17.0 25.6



#80
Benzo(a)anthracene
Concen: 7.25 ng
RT: 18.67 min Scan# 2844
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion:228 Resp: 70072
Ion Ratio Lower Upper
228 100
226 25.6 22.6 33.8
229 21.0 16.3 24.5

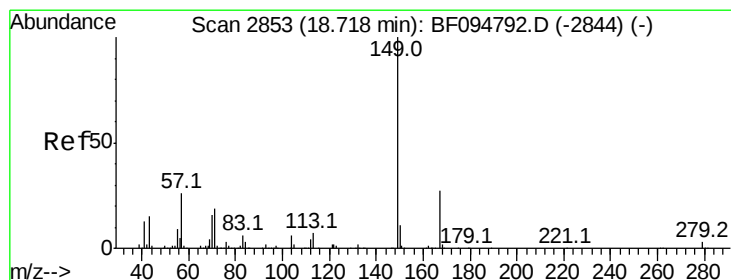
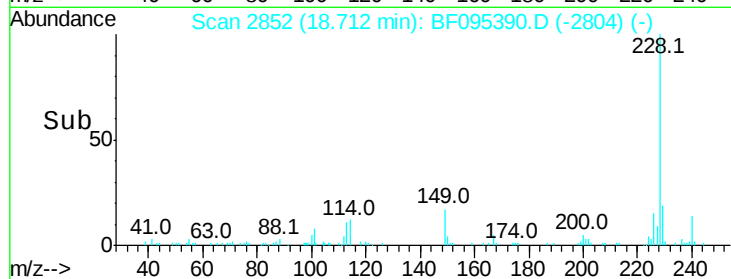
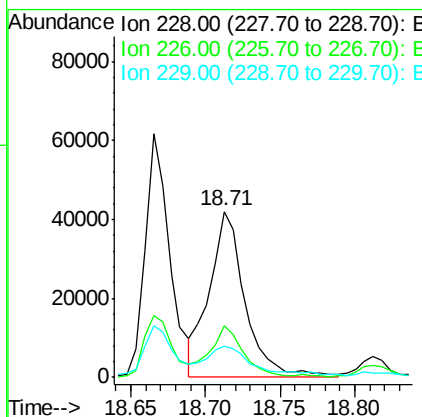
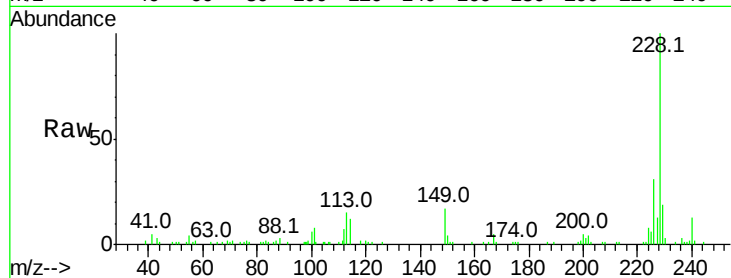




#82
 Chrysene
 Concen: 7.47 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.02 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

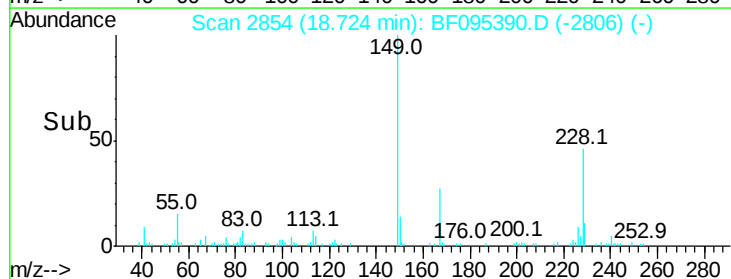
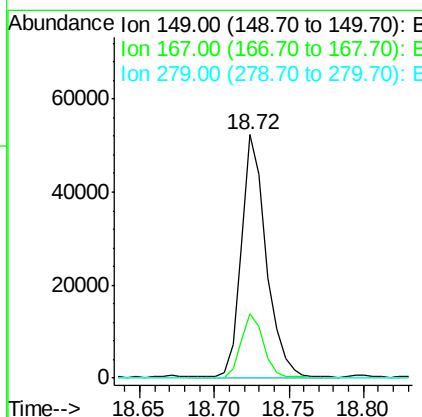
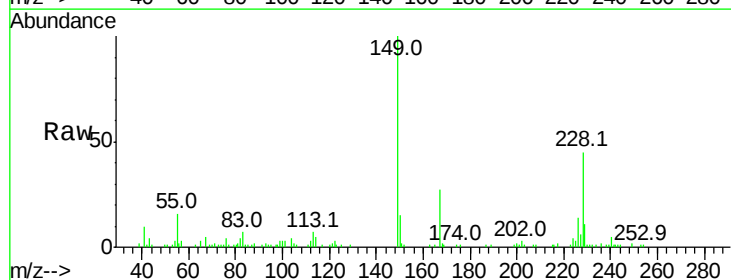
Instrument :
 BNA_F
 ClientSampled :

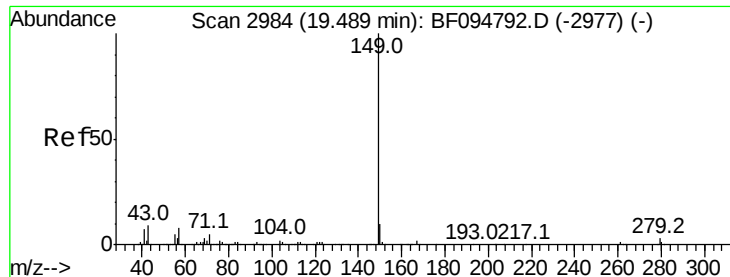
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	18.8	15.8	23.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 7.42 ng
 RT: 18.72 min Scan# 2854
 Delta R.T. -0.02 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	0.0	1.9	2.9#

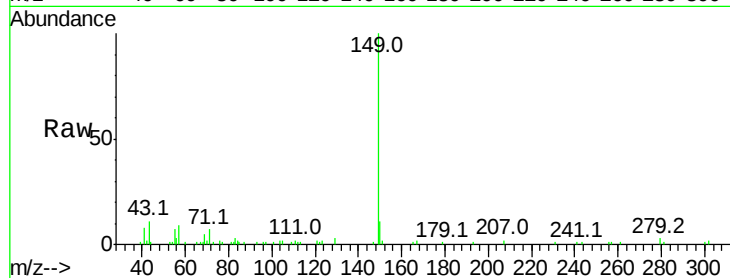




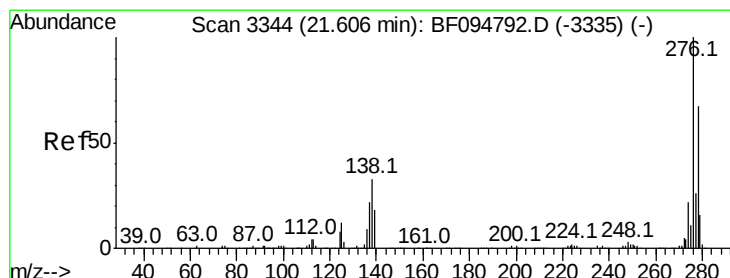
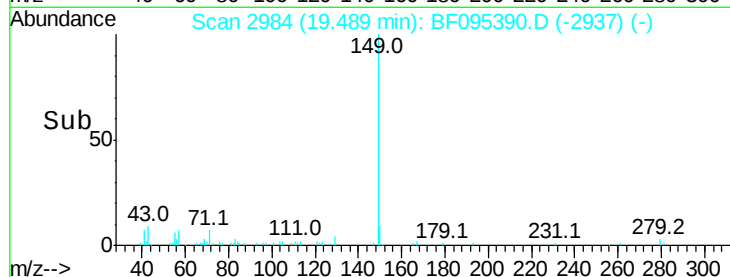
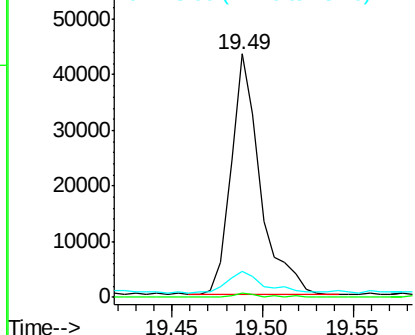
#84
Di-n-octyl phthalate
Concen: 3.62 ng
RT: 19.49 min Scan# 2984
Delta R.T. -0.02 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 48770
Ion Ratio Lower Upper
149 100
167 1.9 1.2 1.8#
43 11.0 8.5 12.7

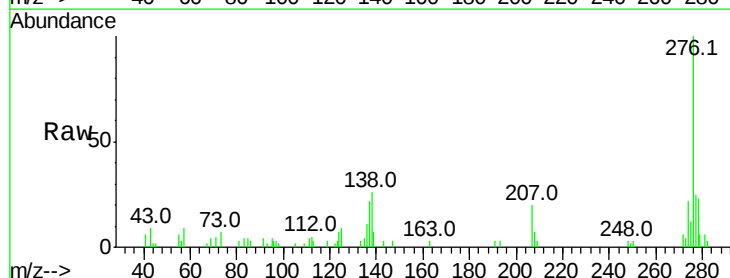


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

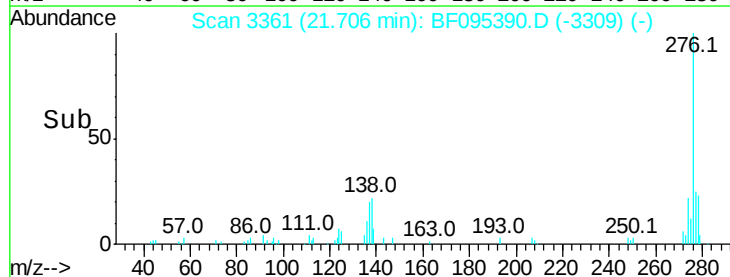
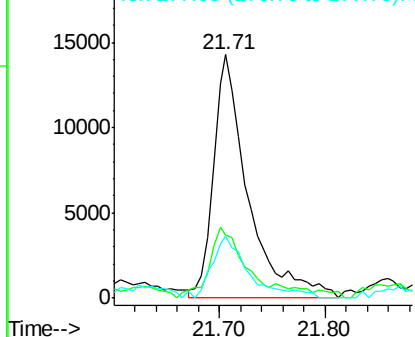


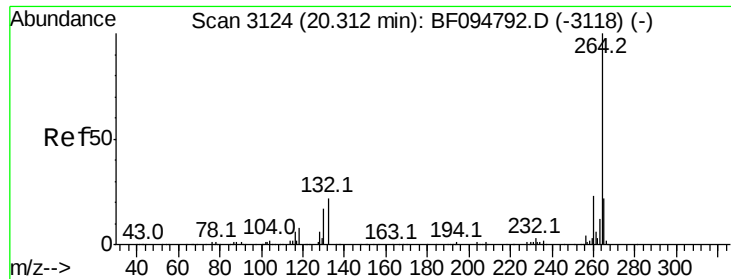
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.29 ng
RT: 21.71 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion:276 Resp: 32531
Ion Ratio Lower Upper
276 100
138 34.9 27.8 41.6
277 27.3 20.2 30.4



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

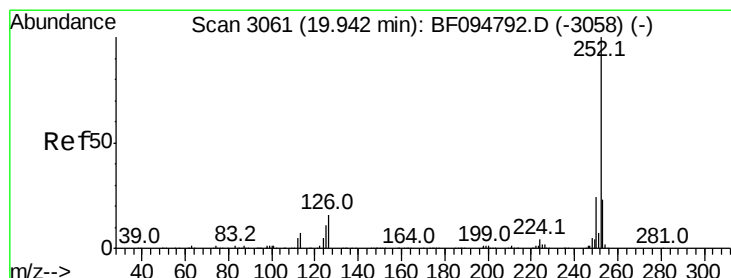
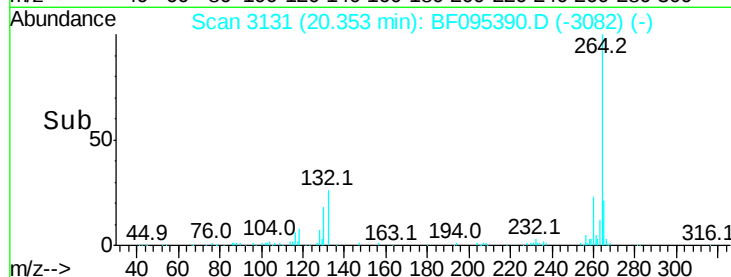
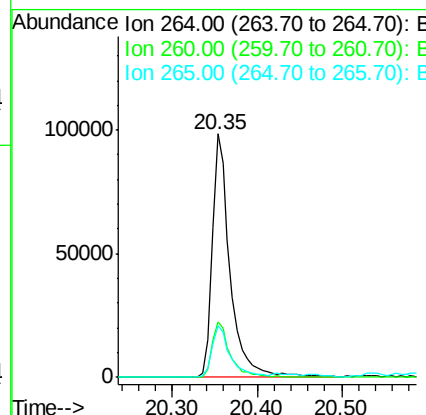
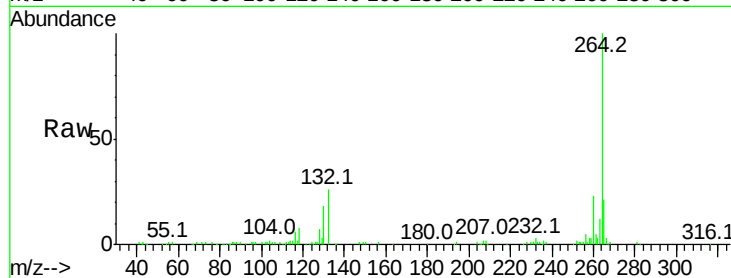




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 20.35 min Scan# 3131
 Delta R.T. -0.01 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

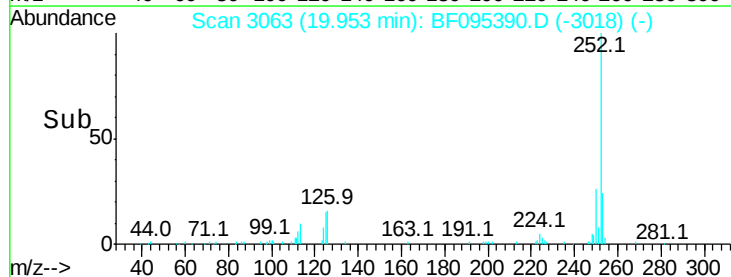
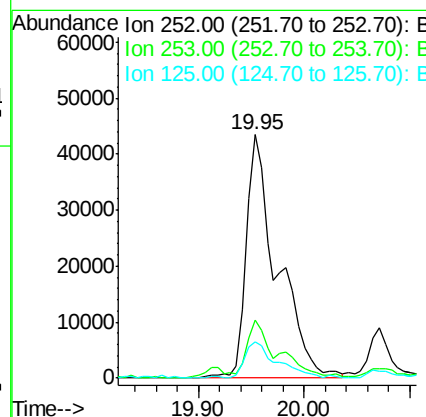
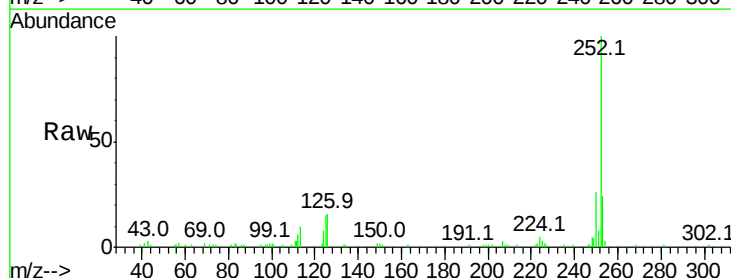
Instrument :
 BNA_F
 ClientSampled :

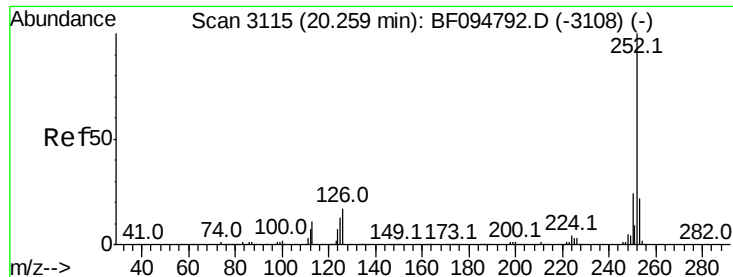
Tot Ion:264 Resp: 146416
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.5 29.3
 265 21.2 17.2 25.8



#88
 Benzo(k)fluoranthene
 Concen: 10.08 ng
 RT: 19.95 min Scan# 3063
 Delta R.T. -0.04 min
 Lab File: BF095390.D
 Acq: 24 May 2017 15:47

Tgt Ion:252 Resp: 87991
 Ion Ratio Lower Upper
 252 100
 253 23.7 18.4 27.6
 125 14.8 13.1 19.7

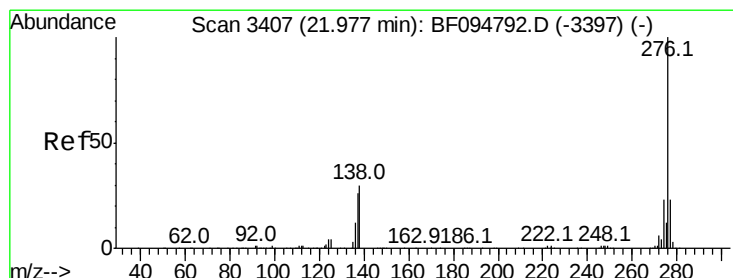
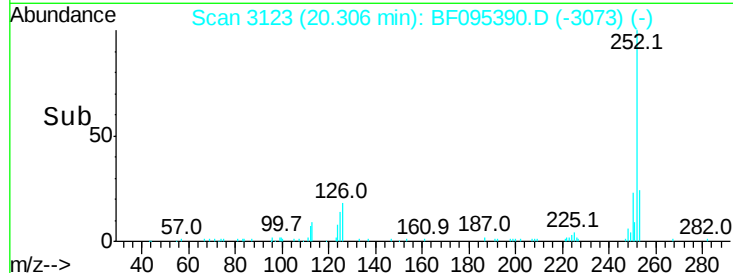
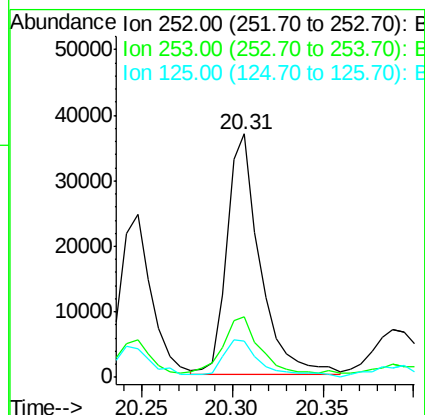
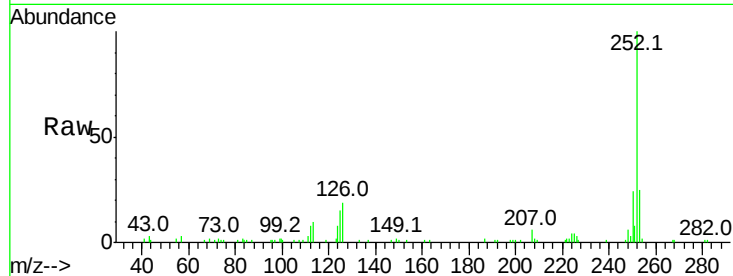




#89
Benzo(a)pyrene
Concen: 5.58 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Instrument :
BNA_F
ClientSampled :

Tot Ion:	252	Resp:	46613
Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	14.9	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 4.57 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.01 min
Lab File: BF095390.D
Acq: 24 May 2017 15:47

Tgt Ion:	276	Resp:	30951
Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.6	28.0
138	42.3	25.4	38.0#

