

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095549.D
 Acq On : 30 May 2017 22:33
 Operator : SJ/MA
 Sample : I3302-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:43:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 26 16:50:16 2017
 Response via : Initial Calibration

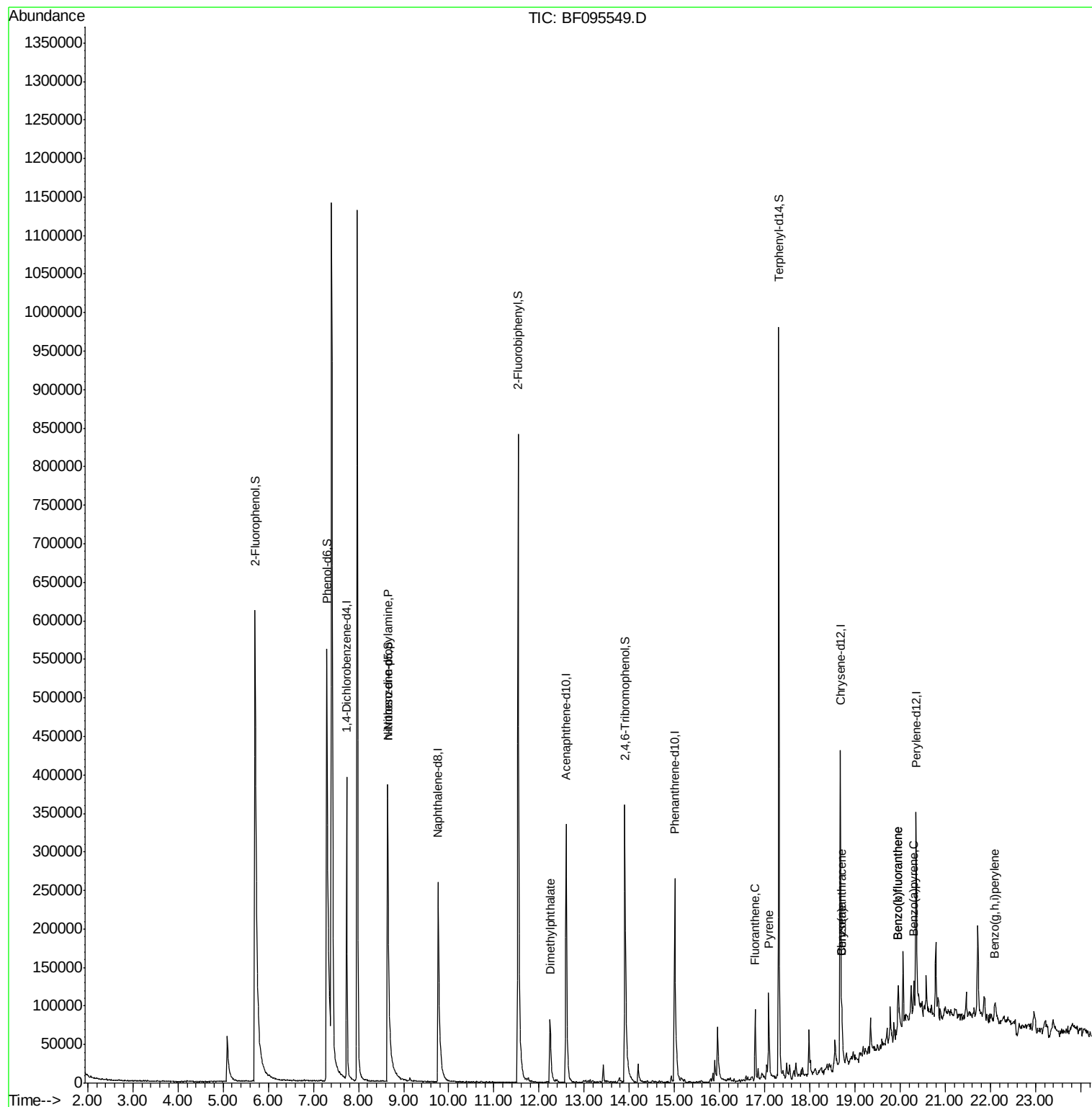
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	87762	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	337800	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	135225	20.00	ng	0.00
63) Phenanthrene-d10	15.01	188	204517	20.00	ng	0.00
75) Chrysene-d12	18.68	240	201458	20.00	ng	0.00
86) Perylene-d12	20.35	264	131610	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	568256	107.95	ng	0.00
7) Phenol-d6	7.30	99	679721	107.62	ng	0.00
23) Nitrobenzene-d5	8.65	82	362682	67.70	ng	0.00
41) 2,4,6-Tribromophenol	13.91	330	95576	86.30	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	600433	63.91	ng	0.00
78) Terphenyl-d14	17.31	244	393781	43.05	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.65	70	40301	9.43	ng	Qvalue # 76
49) Dimethylphthalate	12.24	163	93216	8.40	ng	96
74) Fluoranthene	16.79	202	59317	4.92	ng	99
77) Pyrene	17.09	202	61782	4.10	ng	98
80) Benzo(a)anthracene	18.71	228	33080	2.82	ng	96
82) Chrysene	18.71	228	33080	2.92	ng	98
87) Benzo(b)fluoranthene	19.95	252	42553	5.23	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	42553	5.42	ng	100
89) Benzo(a)pyrene	20.30	252	20774	2.77	ng	# 89
91) Benzo(g,h,i)perylene	22.10	276	12240	2.01	ng	# 79

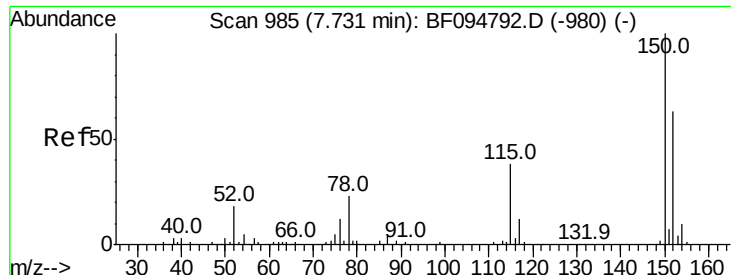
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.74 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

Instrument :

BNA_F

ClientSampled :

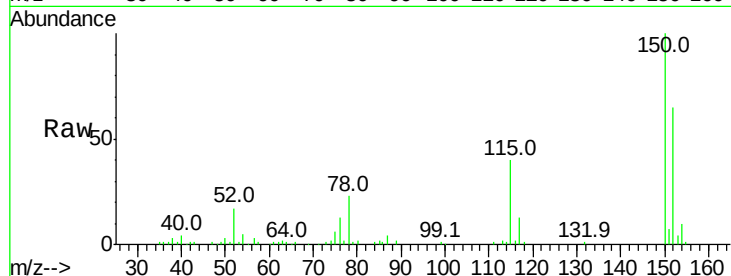
Tot Ion:152 Resp: 87762

Ion Ratio Lower Upper

152 100

150 154.2 126.2 189.2

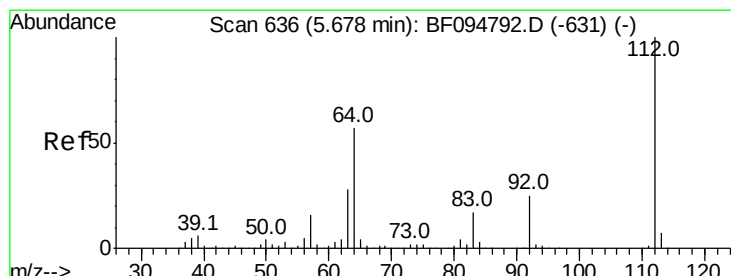
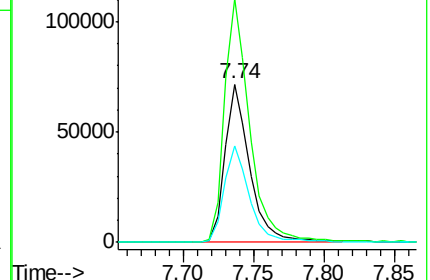
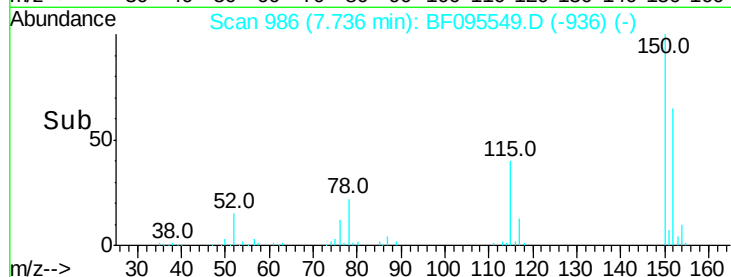
115 61.2 52.2 78.2



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: 107.95 ng

RT: 5.71 min Scan# 641

Delta R.T. -0.00 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

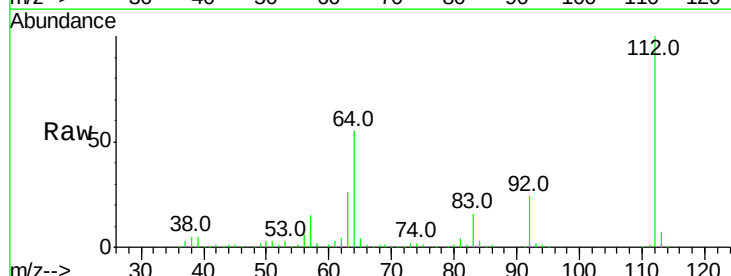
Tgt Ion:112 Resp: 568256

Ion Ratio Lower Upper

112 100

64 55.3 46.0 69.0

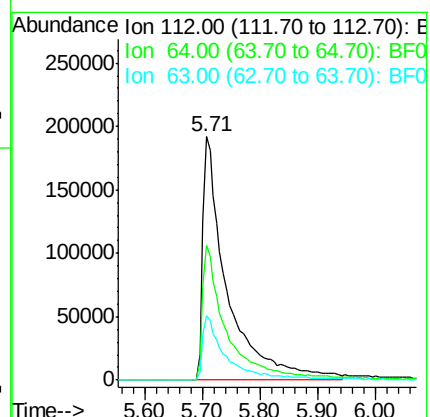
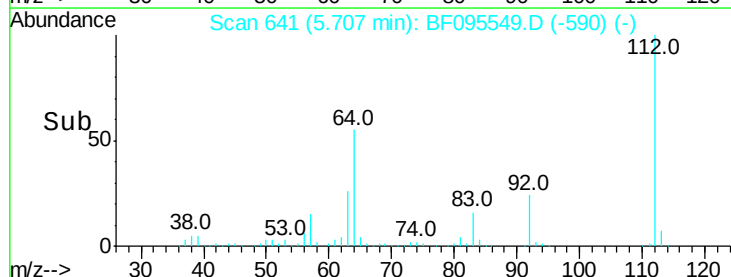
63 26.3 23.4 35.0

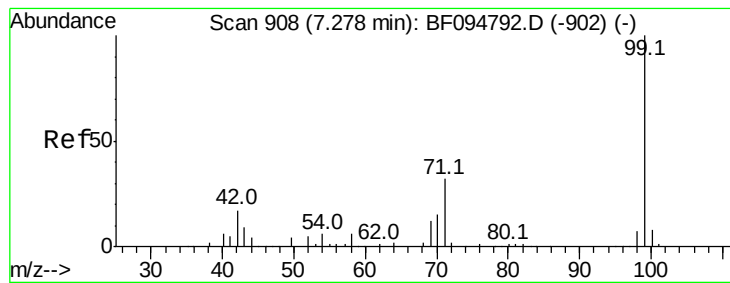


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.62 ng

RT: 7.30 min Scan# 911

Delta R.T. -0.00 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

Instrument :

BNA_F

ClientSampled :

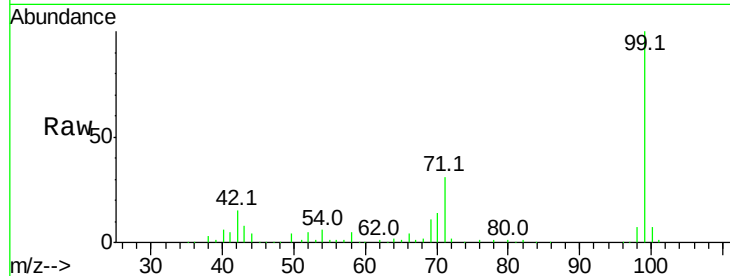
Tot Ion: 99 Resp: 679721

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

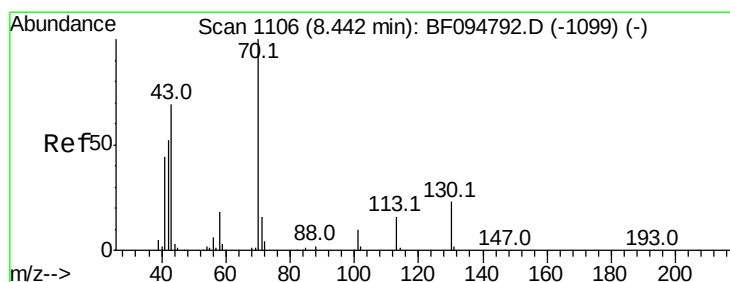
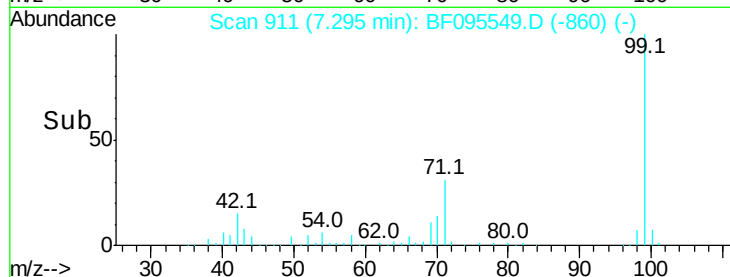
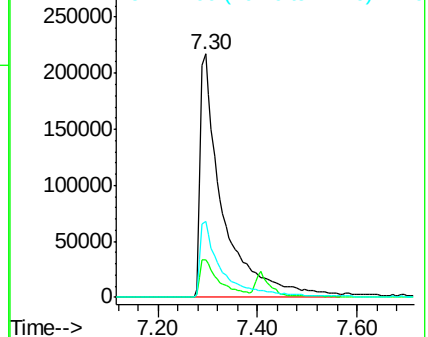
71 31.4 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 9.43 ng

RT: 8.65 min Scan# 1141

Delta R.T. 0.19 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

Tgt Ion: 70 Resp: 40301

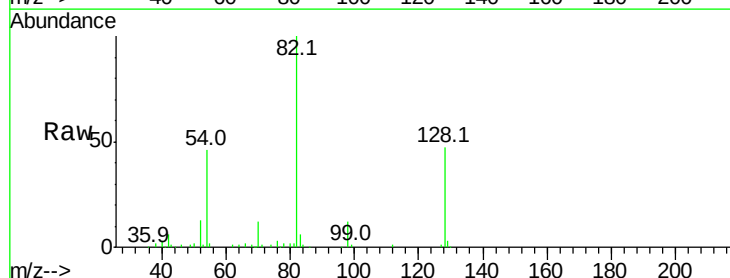
Ion Ratio Lower Upper

70 100

42 45.3 47.2 70.8#

101 0.0 7.2 10.8#

130 1.8 15.9 23.9#

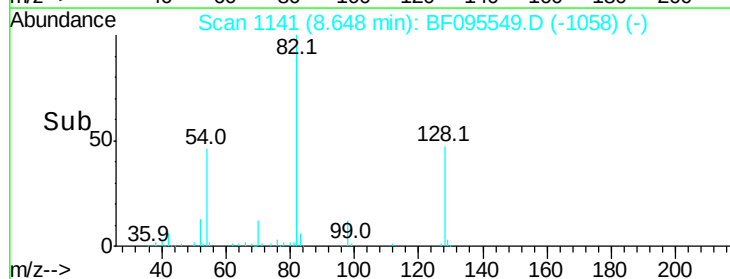
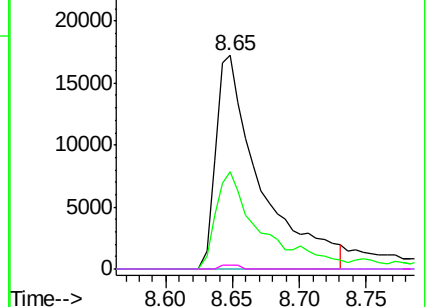


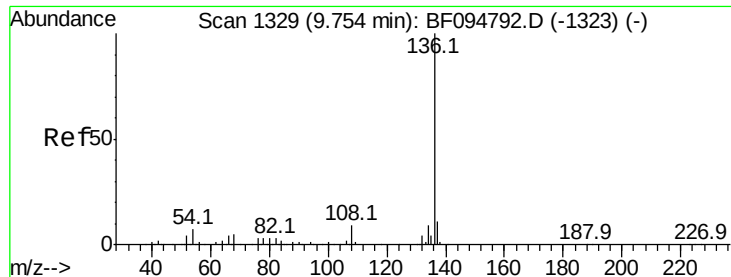
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

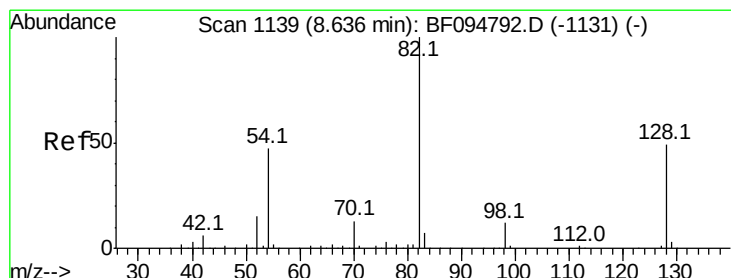
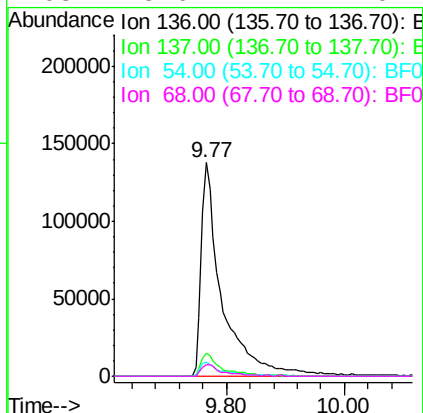
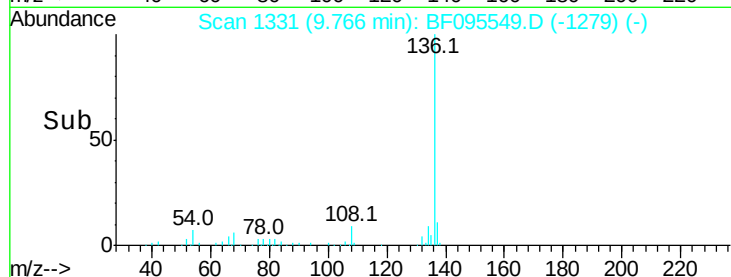
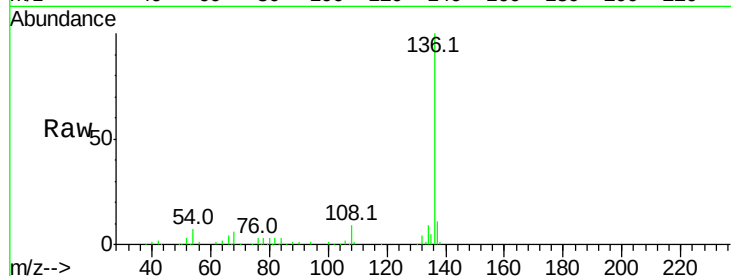




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

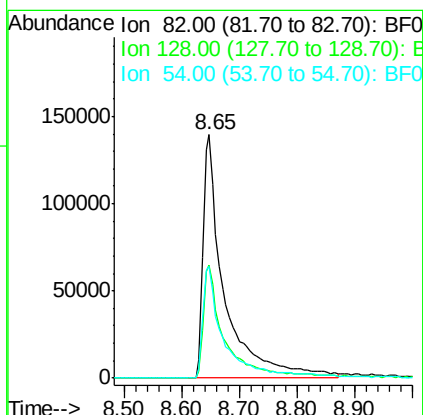
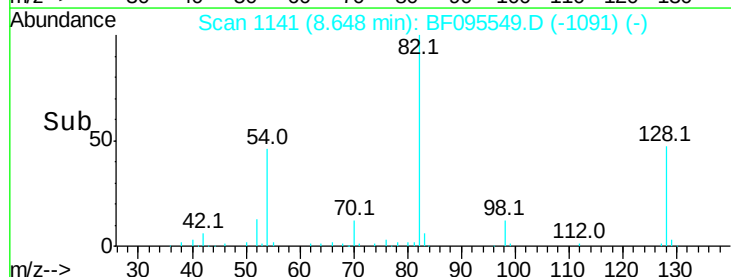
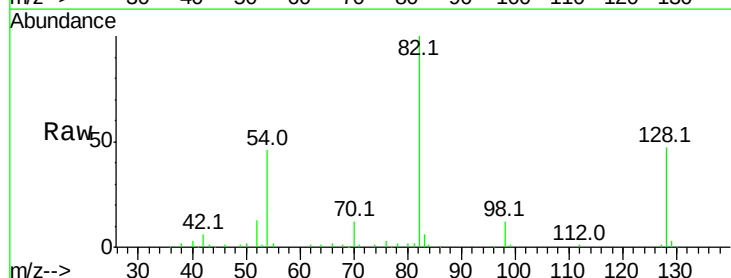
Instrument :
BNA_F
ClientSampleId :

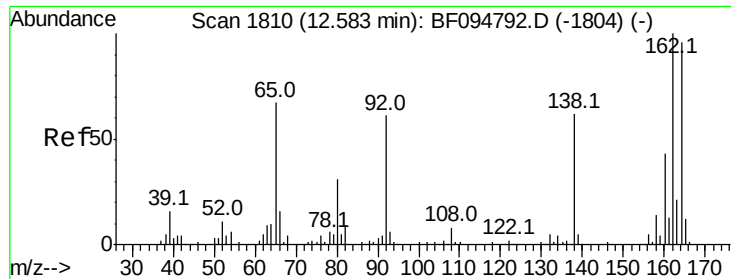
Tot Ion:136	Resp:	337800
Ion Ratio	Lower	Upper
136 100		
137 10.8	8.5	12.7
54 6.7	4.9	7.3
68 5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 67.70 ng
RT: 8.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt	Ion: 82	Resp:	362682
Ion	Ratio	Lower	Upper
82	100		
128	46.7	34.0	51.0
54	46.1	42.2	63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1813

Delta R.T. 0.01 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

Instrument :

BNA_F

ClientSampleId :

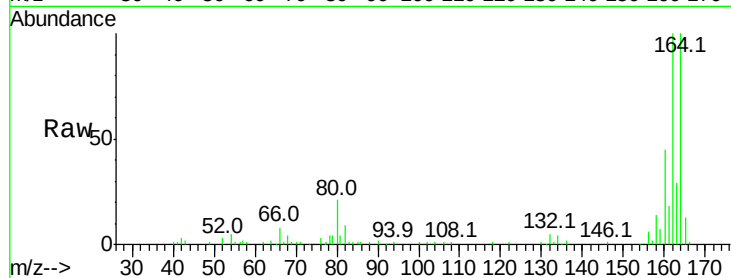
Tot Ion:164 Resp: 135225

Ion Ratio Lower Upper

164 100

162 100.3 82.6 123.8

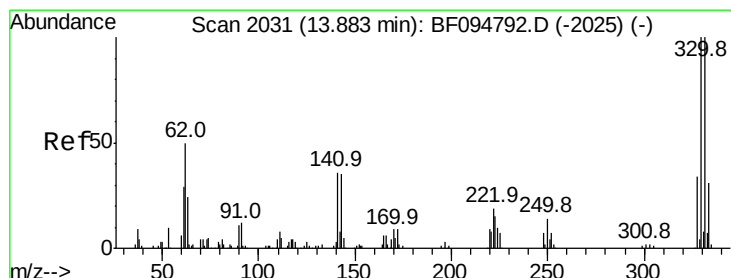
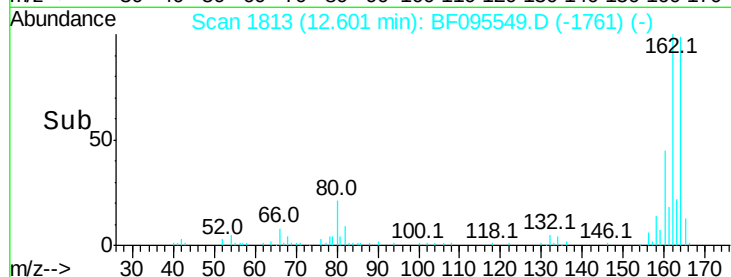
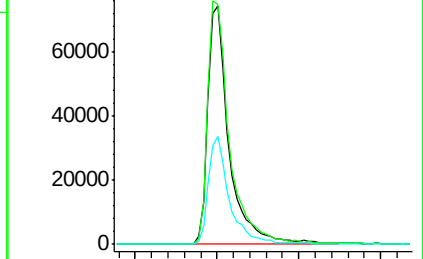
160 45.3 36.2 54.2



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: 86.30 ng

RT: 13.91 min Scan# 2035

Delta R.T. 0.01 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

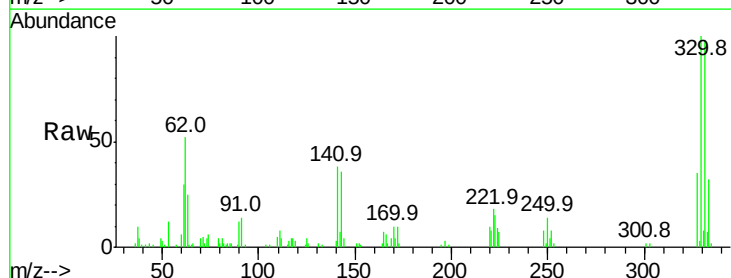
Tgt Ion:330 Resp: 95576

Ion Ratio Lower Upper

330 100

332 93.1 76.6 115.0

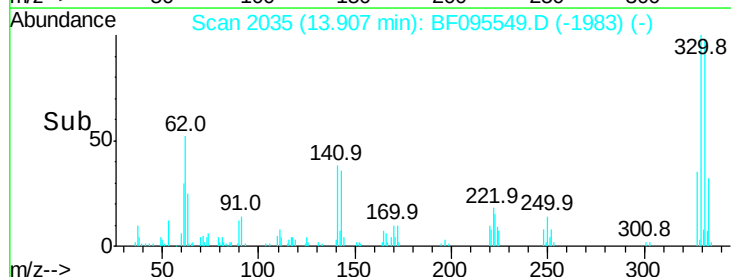
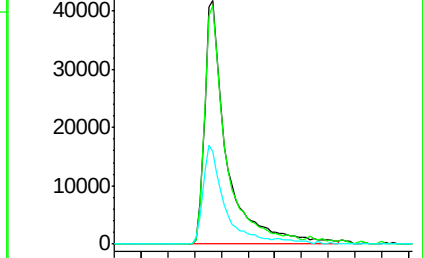
141 39.9 31.4 47.2

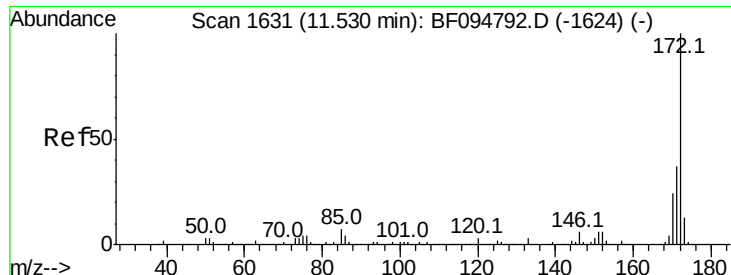


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

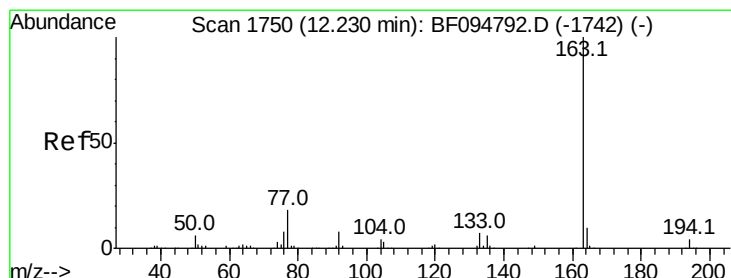
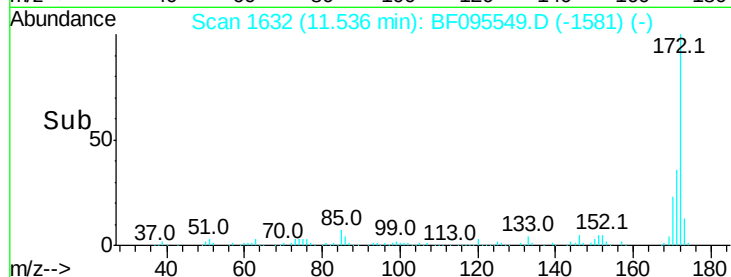
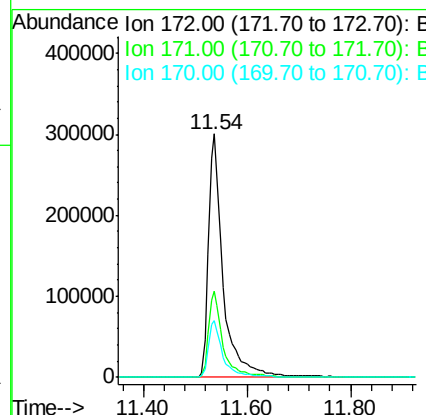
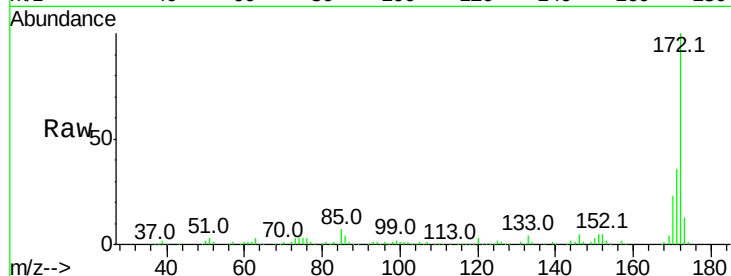




#44
 2-Fluorobiphenyl
 Concen: 63.91 ng
 RT: 11.54 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: BF095549.D
 Acq: 30 May 2017 22:33

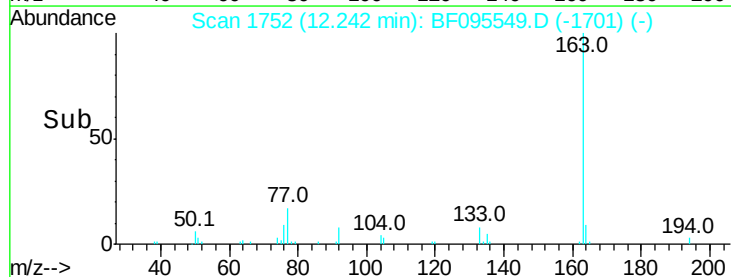
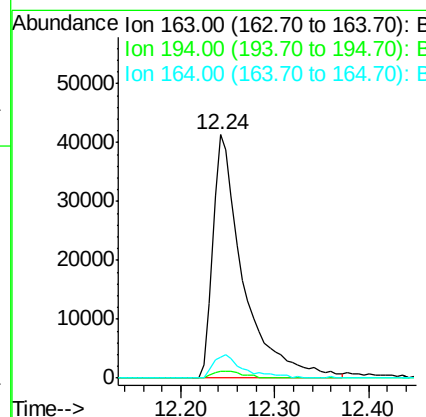
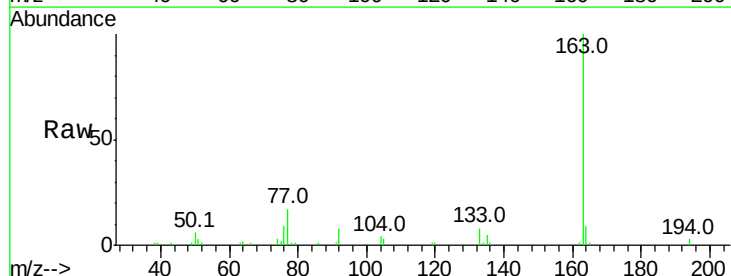
Instrument :
 BNA_F
 ClientSampleId :

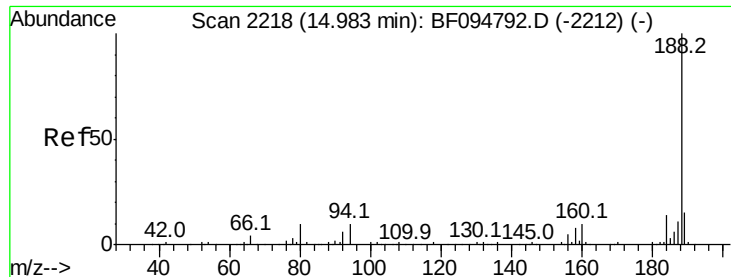
Tot Ion:172 Resp: 600433
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.5 19.8 29.8



#49
 Dimethylphthalate
 Concen: 8.40 ng
 RT: 12.24 min Scan# 1752
 Delta R.T. -0.00 min
 Lab File: BF095549.D
 Acq: 30 May 2017 22:33

Tgt Ion:163 Resp: 93216
 Ion Ratio Lower Upper
 163 100
 194 3.1 2.6 4.0
 164 8.6 8.4 12.6

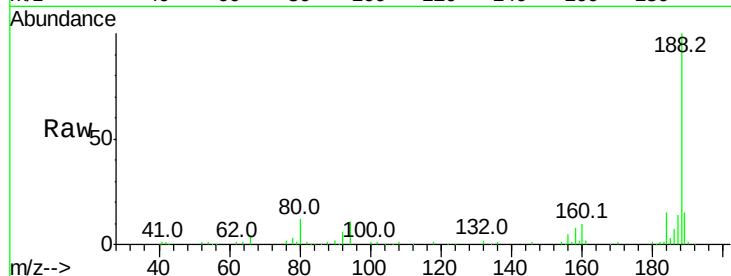




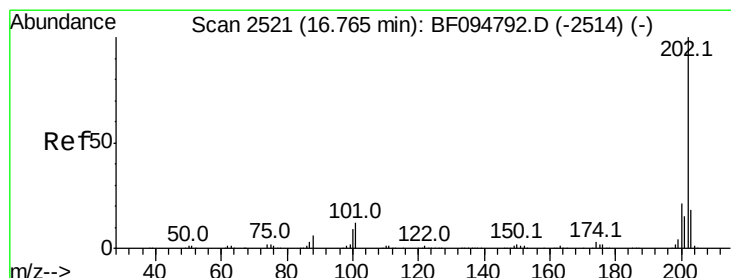
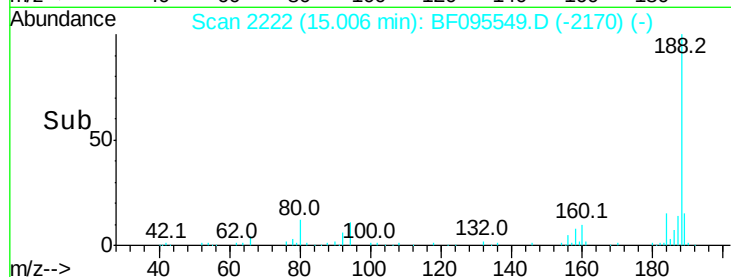
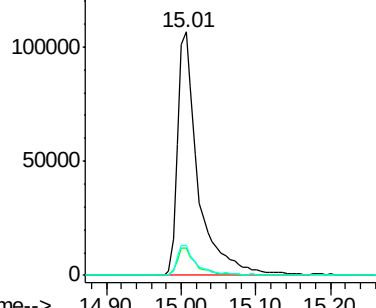
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. 0.01 min
 Lab File: BF095549.D
 Acq: 30 May 2017 22:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 204517
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 12.3 10.2 15.2

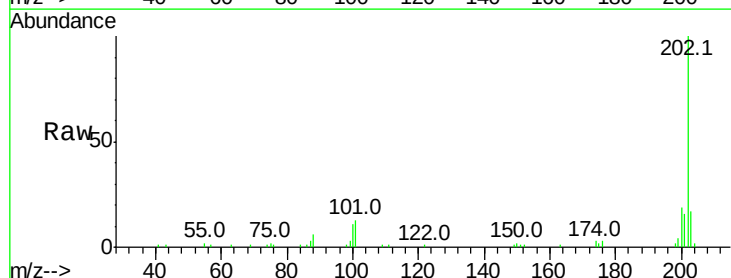


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

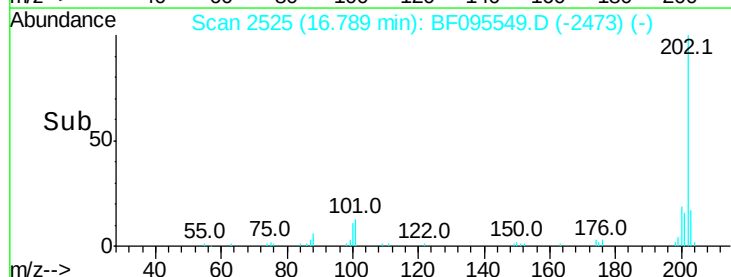
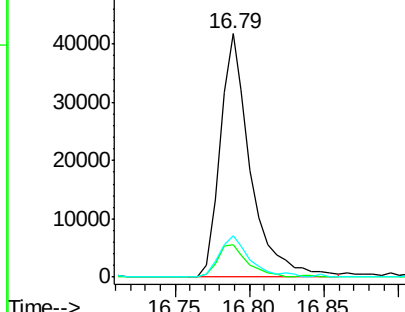


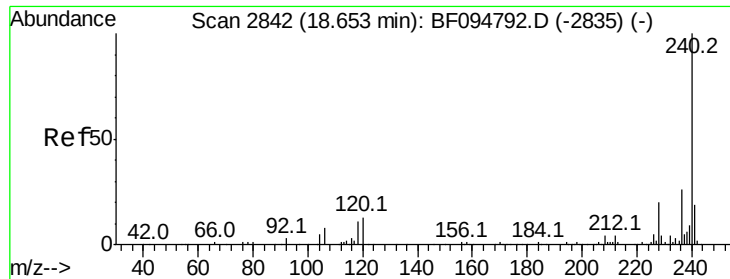
#74
 Fluoranthene
 Concen: 4.92 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF095549.D
 Acq: 30 May 2017 22:33

Tgt Ion:202 Resp: 59317
 Ion Ratio Lower Upper
 202 100
 101 13.3 0.0 33.2
 203 17.3 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

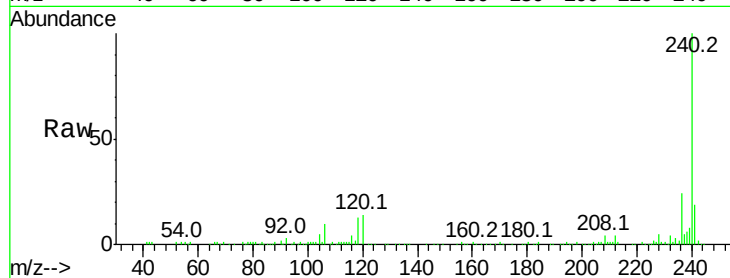




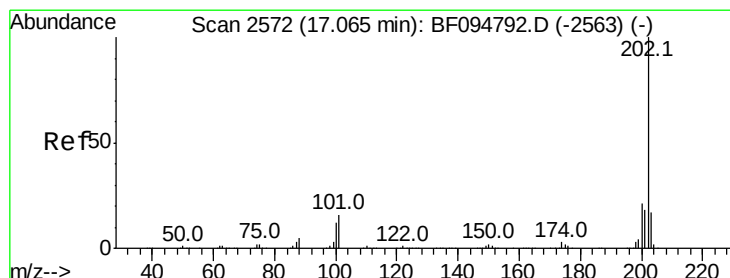
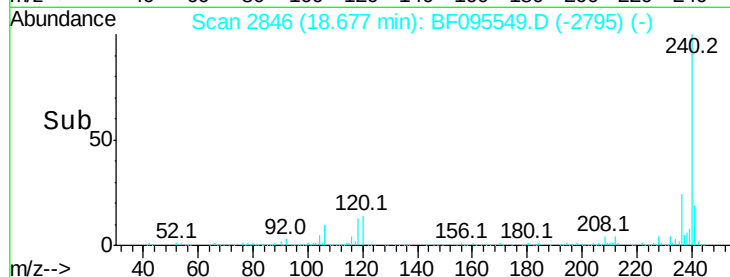
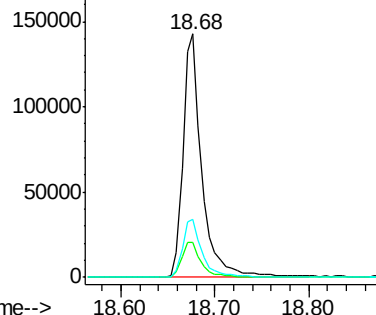
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.00 min
 Lab File: BF095549.D
 Acq: 30 May 2017 22:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:240 Resp: 201458
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 23.9 20.5 30.7

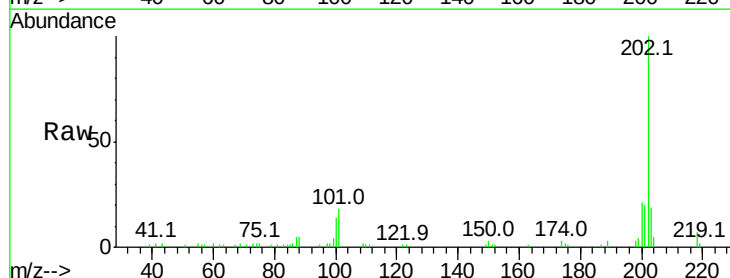


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

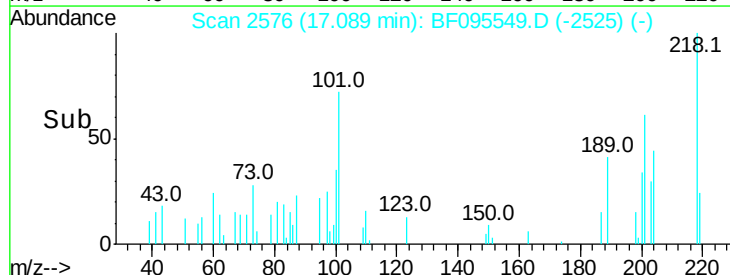
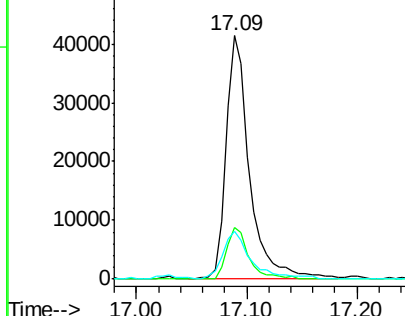


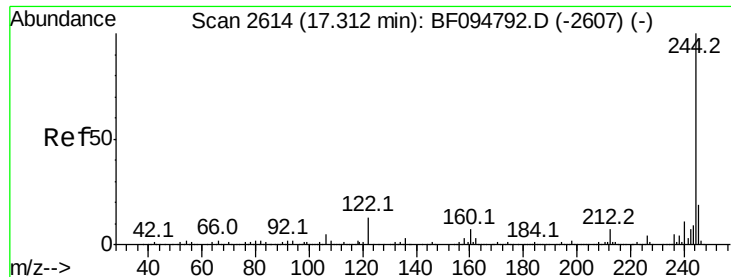
#77
 Pyrene
 Concen: 4.10 ng
 RT: 17.09 min Scan# 2576
 Delta R.T. -0.00 min
 Lab File: BF095549.D
 Acq: 30 May 2017 22:33

Tgt Ion:202 Resp: 61782
 Ion Ratio Lower Upper
 202 100
 200 21.3 17.6 26.4
 203 19.4 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: 43.05 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

Instrument :

BNA_F

ClientSampleId :

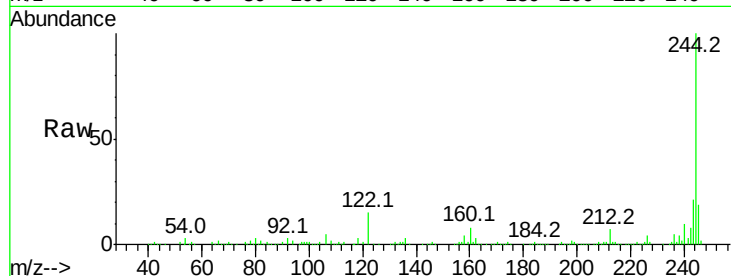
Tot Ion:244 Resp: 393781

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

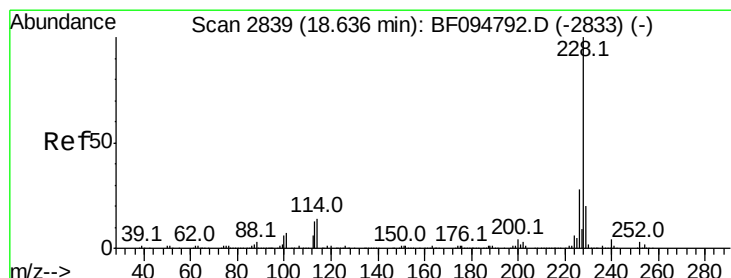
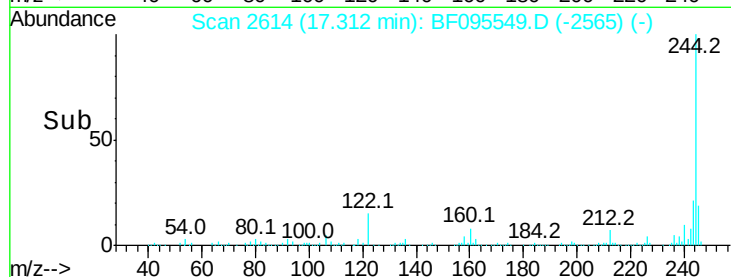
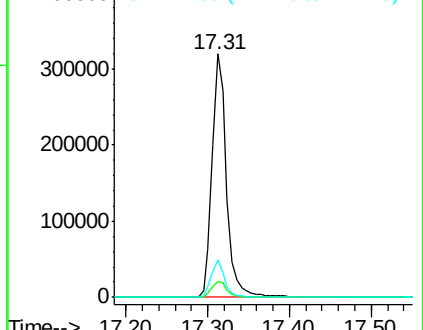
122 15.4 10.3 15.5



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: 2.82 ng

RT: 18.71 min Scan# 2851

Delta R.T. 0.04 min

Lab File: BF095549.D

Acq: 30 May 2017 22:33

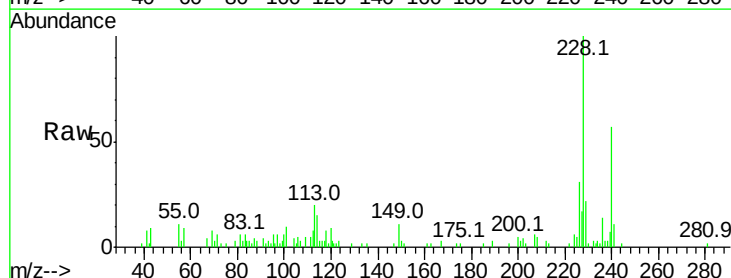
Tgt Ion:228 Resp: 33080

Ion Ratio Lower Upper

228 100

226 30.7 22.6 33.8

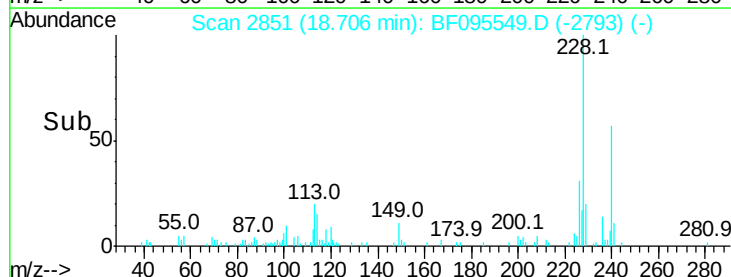
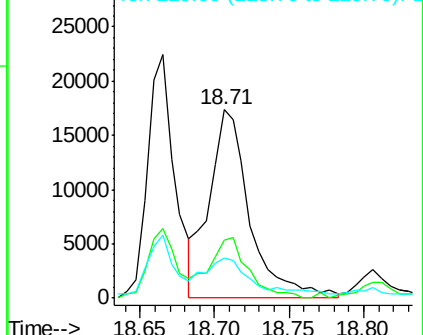
229 21.5 16.3 24.5

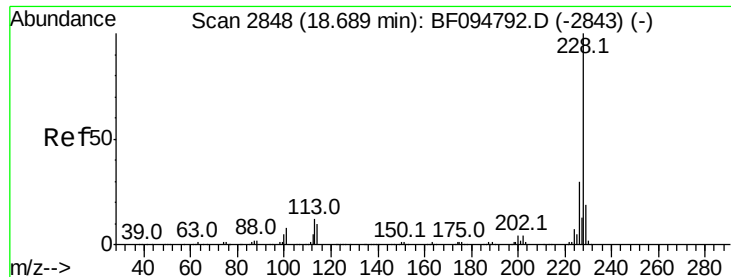


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

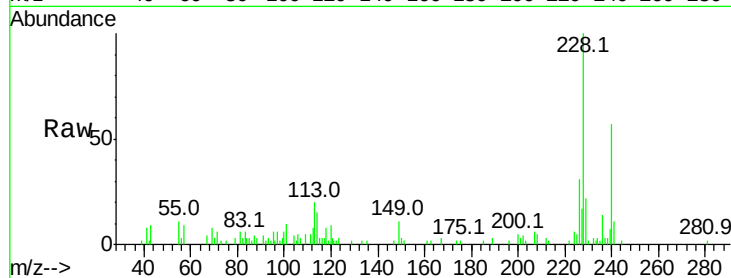




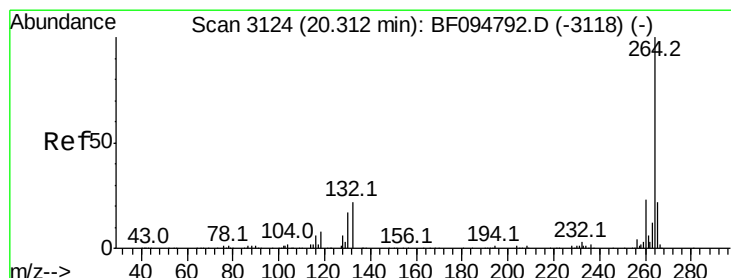
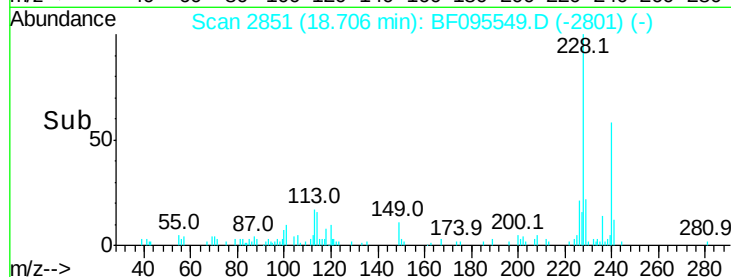
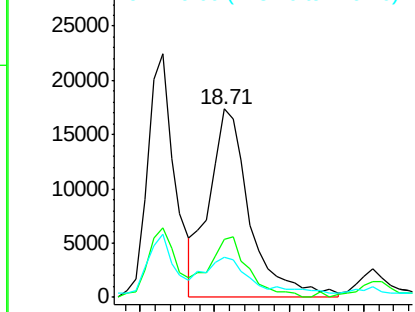
#82
Chrysene
Concen: 2.92 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 33080
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 21.5 15.8 23.6

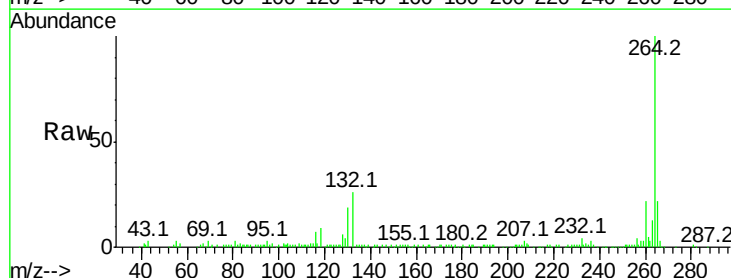


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

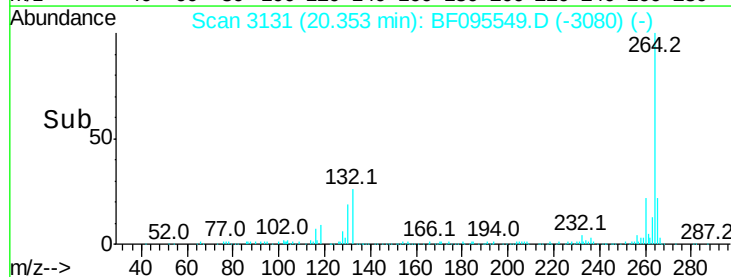
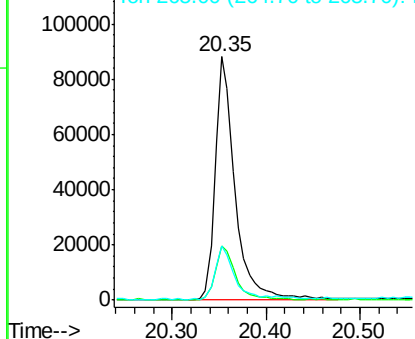


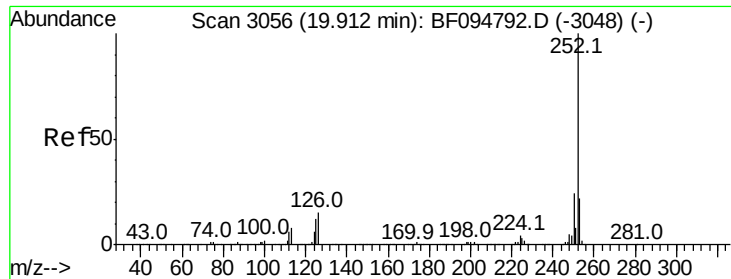
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:264 Resp: 131610
Ion Ratio Lower Upper
264 100
260 22.5 19.5 29.3
265 22.1 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

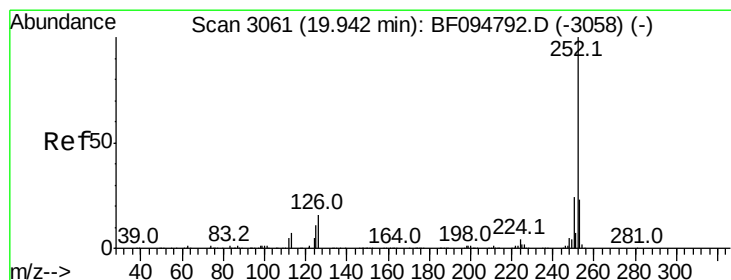
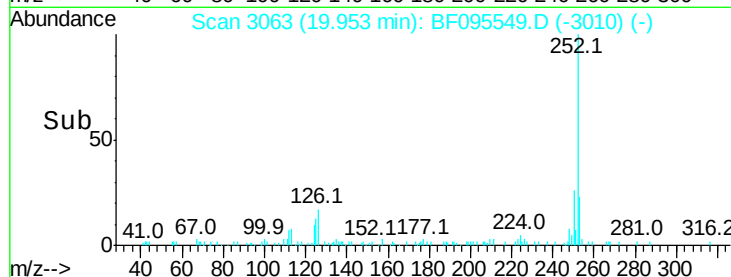
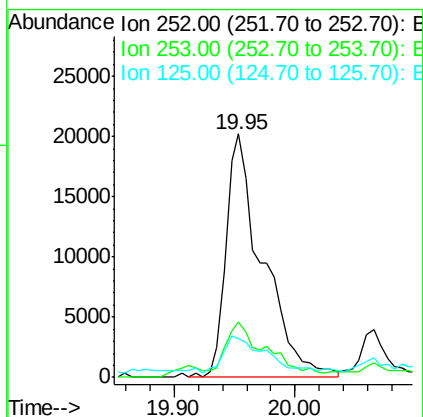
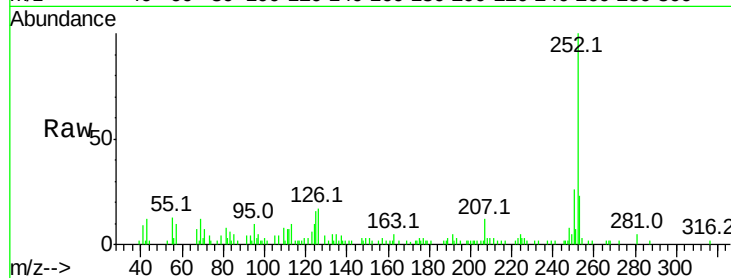




#87
Benzo(b)fluoranthene
Concen: 5.23 ng
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

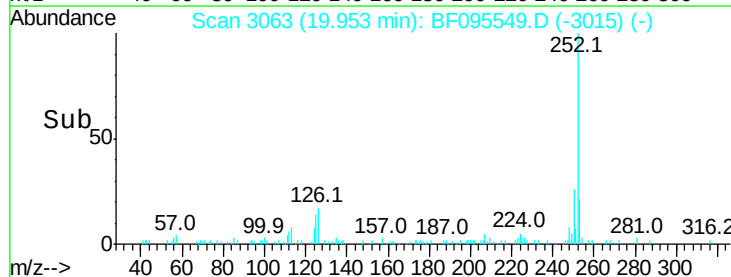
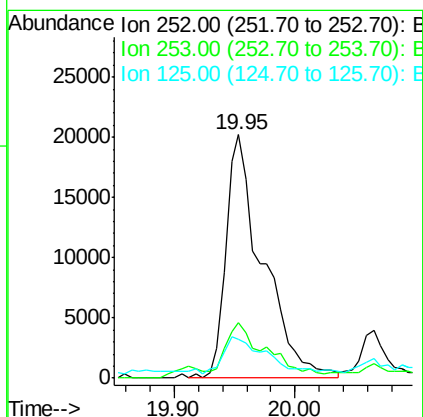
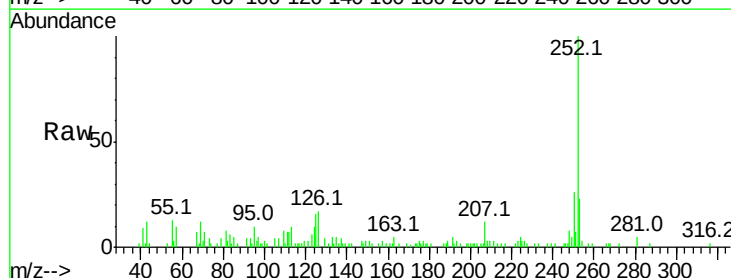
Instrument :
BNA_F
ClientSampled :

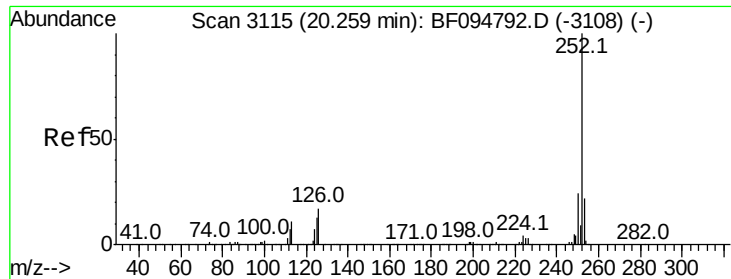
Tot Ion:252 Resp: 42553
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 16.1 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 5.42 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.02 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion:252 Resp: 42553
Ion Ratio Lower Upper
252 100
253 23.0 18.4 27.6
125 16.1 13.1 19.7

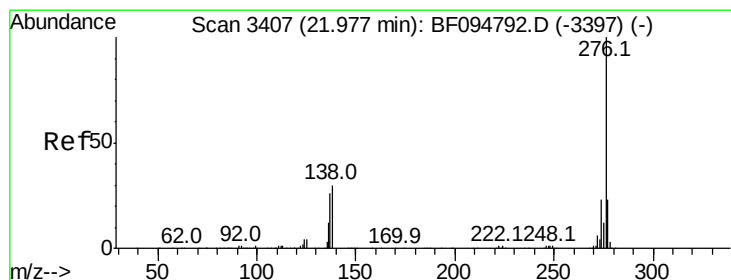
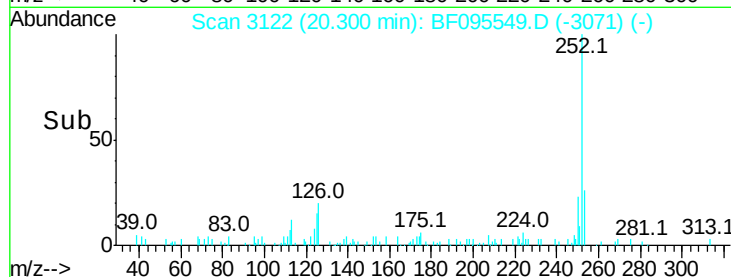
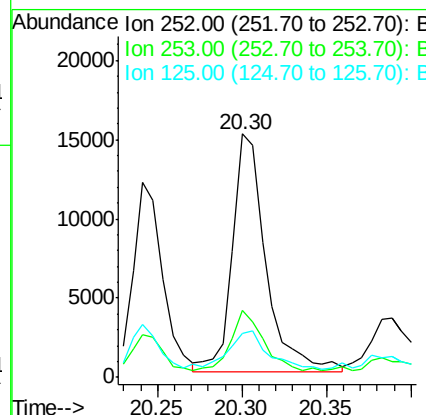
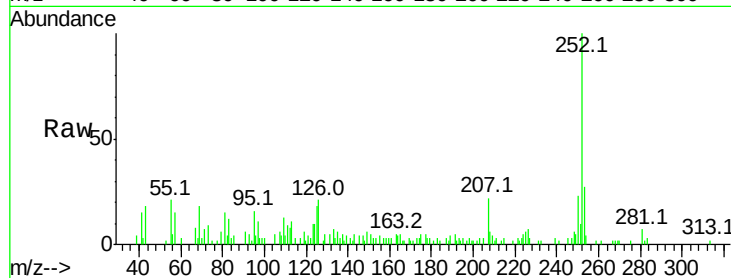




#89
Benzo(a)pyrene
Concen: 2.77 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.3	17.5	26.3#
125	17.8	11.0	16.4#



#91
Benzo(g,h,i)perylene
Concen: 2.01 ng
RT: 22.10 min Scan# 3428
Delta R.T. 0.03 min
Lab File: BF095549.D
Acq: 30 May 2017 22:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.4	18.6	28.0#
138	47.0	25.4	38.0#

