

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
 Data File : BF095177.D
 Acq On : 17 May 2017 2:24
 Operator : SJ/MA
 Sample : I3153-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 17 06:01:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

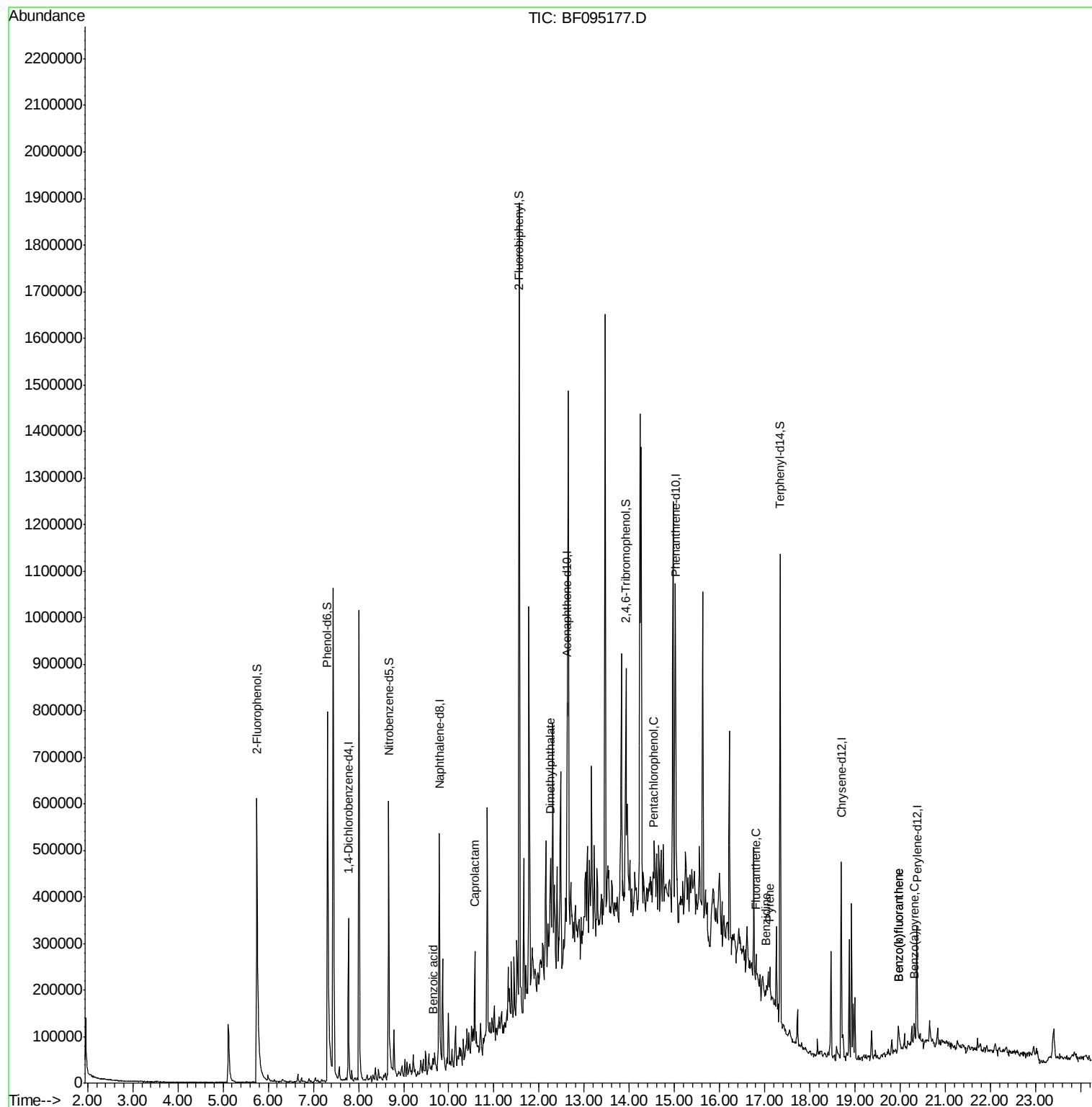
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	79497	20.00	ng	0.05
21) Naphthalene-d8	9.79	136	343646	20.00	ng	0.04
38) Acenaphthene-d10	12.62	164	135220	20.00	ng	0.04
63) Phenanthrene-d10	15.03	188	193952	20.00	ng	0.05
75) Chrysene-d12	18.69	240	179309	20.00	ng	0.04
86) Perylene-d12	20.37	264	126501	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.75	112	430141	90.21	ng	0.07
7) Phenol-d6	7.31	99	542569	94.84	ng	0.04
23) Nitrobenzene-d5	8.67	82	316842	58.14	ng	0.04
41) 2,4,6-Tribromophenol	13.92	330	92314	83.36	ng	0.04
44) 2-Fluorobiphenyl	11.56	172	654628	69.68	ng	0.03
78) Terphenyl-d14	17.34	244	373955	45.94	ng	0.03
Target Compounds						
32) Benzoic acid	9.65	122	246	5.15	ng	# 17
35) Caprolactam	10.58	113	6860	4.86	ng	# 62
49) Dimethylphthalate	12.25	163	79636	7.17	ng	# 99
69) Pentachlorophenol	14.52	266	290	6.15	ng	# 18
74) Fluoranthene	16.81	202	32464	2.84	ng	# 96
76) Benzidine	17.03	184	464	6.67	ng	# 1
77) Pyrene	17.11	202	32578	2.43	ng	# 95
87) Benzo(b)fluoranthene	19.97	252	39480	5.05	ng	# 95
88) Benzo(k)fluoranthene	19.97	252	39480	5.24	ng	# 98
89) Benzo(a)pyrene	20.31	252	17639	2.45	ng	# 84

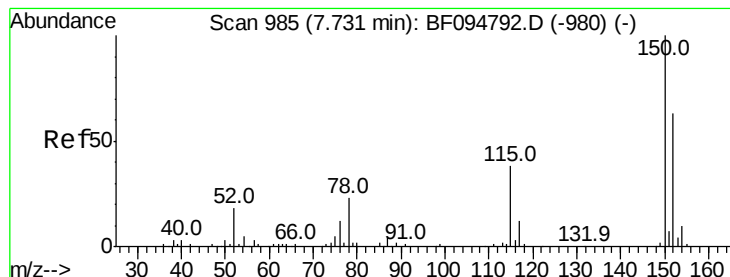
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051617\
Data File : BF095177.D
Acq On : 17 May 2017 2:24
Operator : SJ/MA
Sample : I3153-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 17 06:01:35 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration



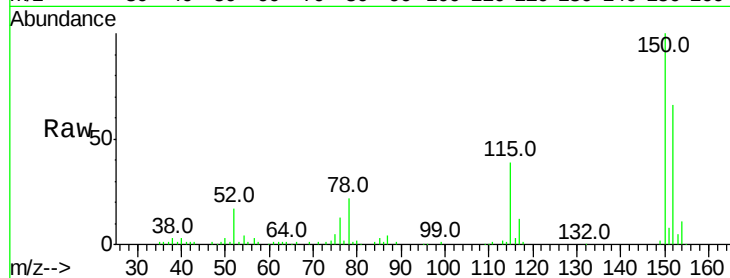


#1

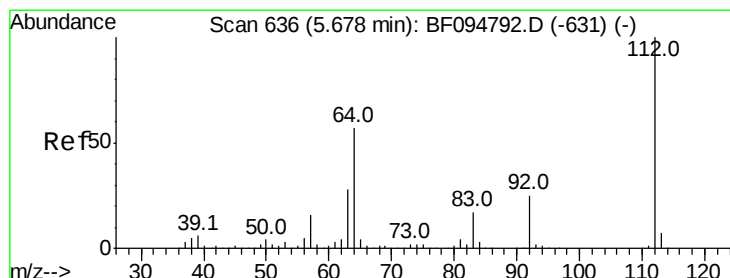
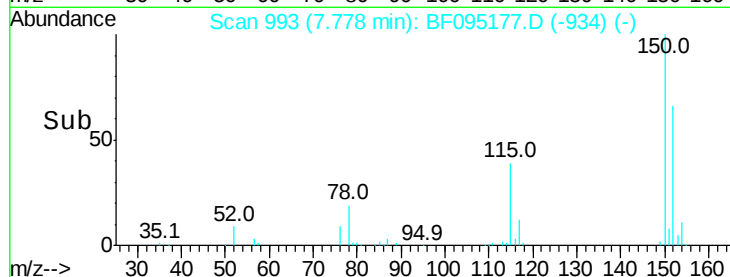
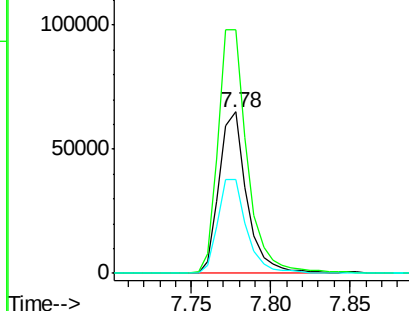
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.78 min Scan# 993
Delta R.T. 0.05 min
Lab File: BF095177.D
Acq: 17 May 2017 2:24

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.9	126.2	189.2
115	58.2	52.2	78.2



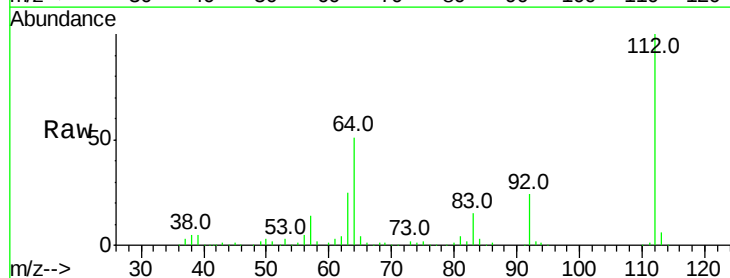
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



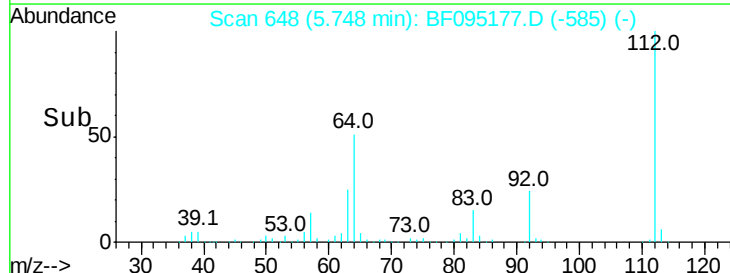
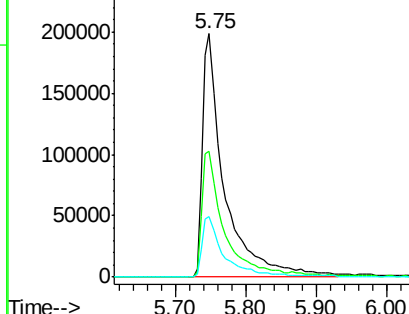
#5

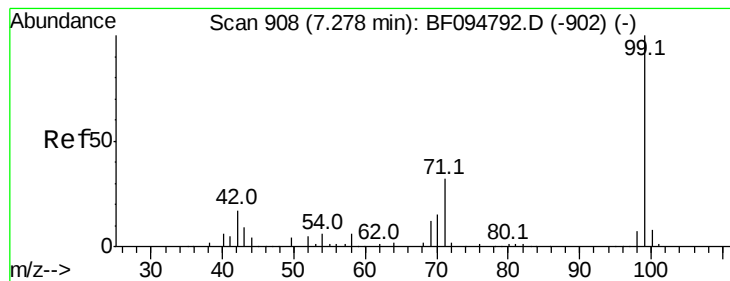
2-Fluorophenol
Concen: 90.21 ng
RT: 5.75 min Scan# 648
Delta R.T. 0.07 min
Lab File: BF095177.D
Acq: 17 May 2017 2:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	46.0	69.0
63	25.1	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: 94.84 ng

RT: 7.31 min Scan# 914

Delta R.T. 0.04 min

Lab File: BF095177.D

Acq: 17 May 2017 2:24

Instrument :

BNA_F

ClientSampleId :

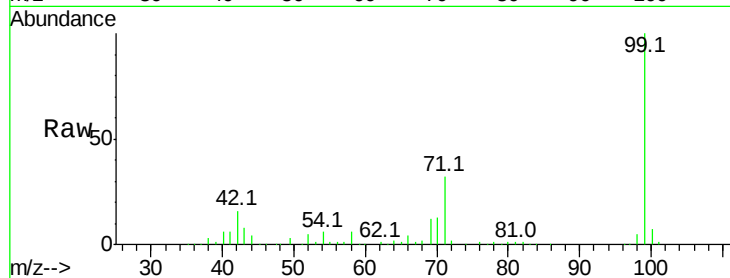
Tot Ion: 99 Resp: 542569

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

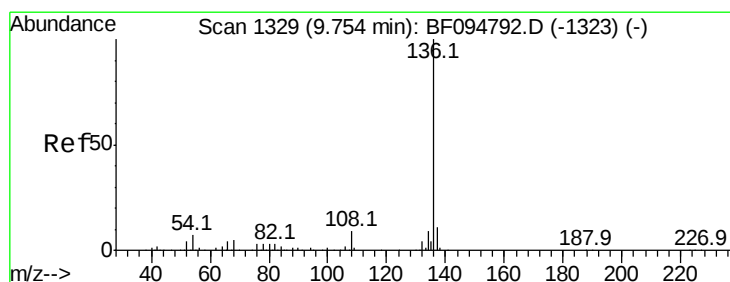
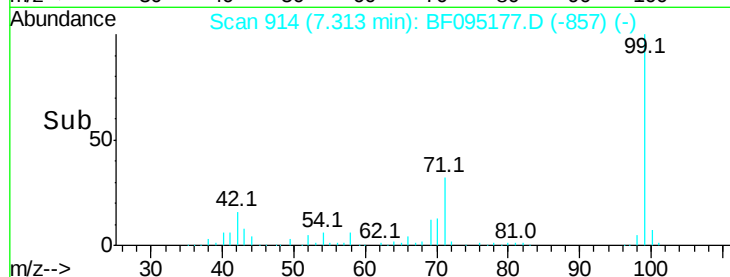
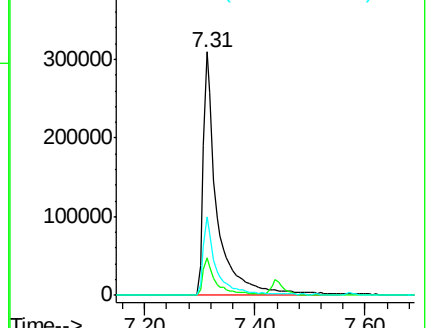
71 32.3 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.79 min Scan# 1335

Delta R.T. 0.04 min

Lab File: BF095177.D

Acq: 17 May 2017 2:24

Tgt Ion: 136 Resp: 343646

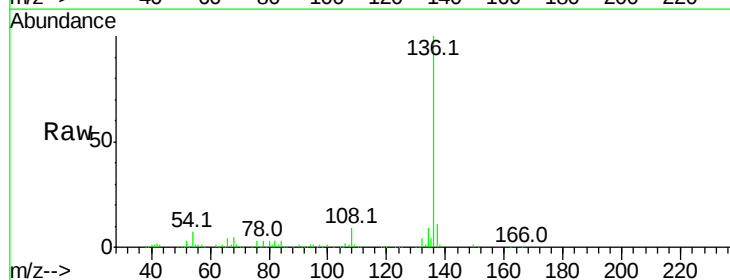
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

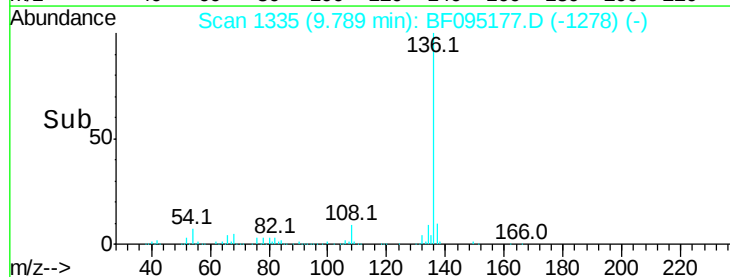
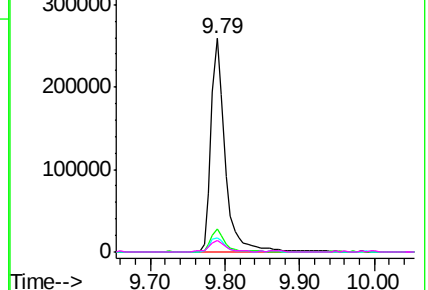


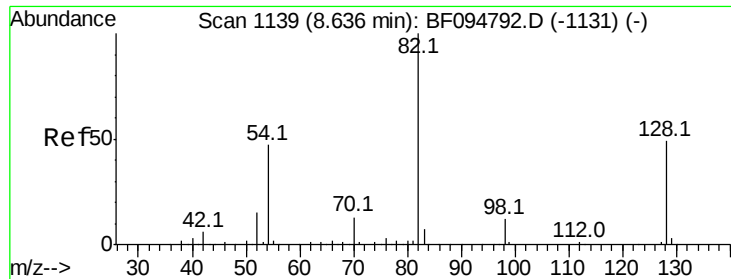
Abundance Ion 136.00 (135.70 to 136.70): E

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

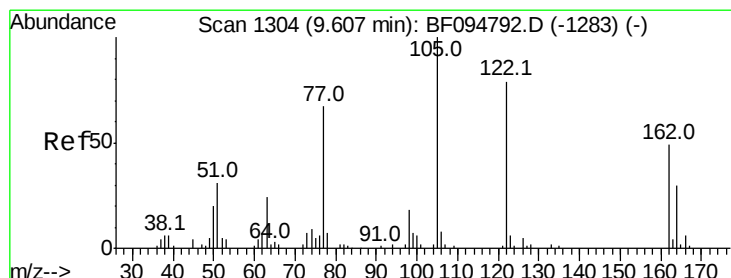
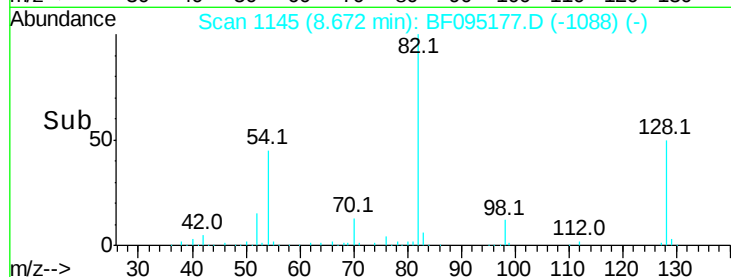
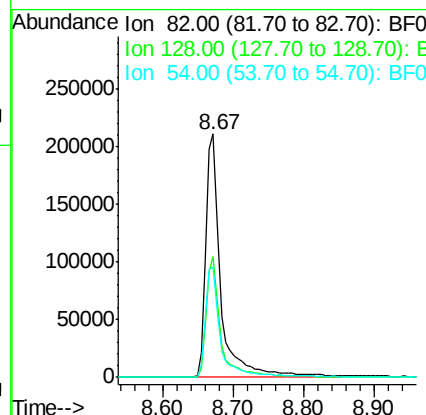
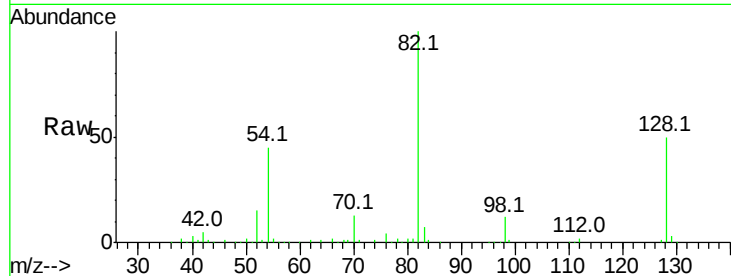




#23
 Nitrobenzene-d5
 Concen: 58.14 ng
 RT: 8.67 min Scan# 1145
 Delta R.T. 0.04 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

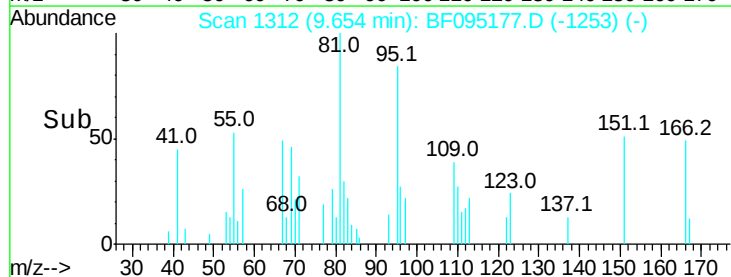
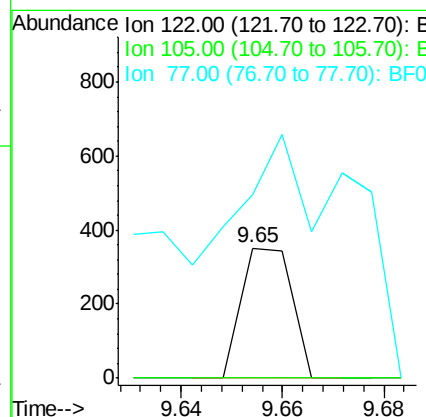
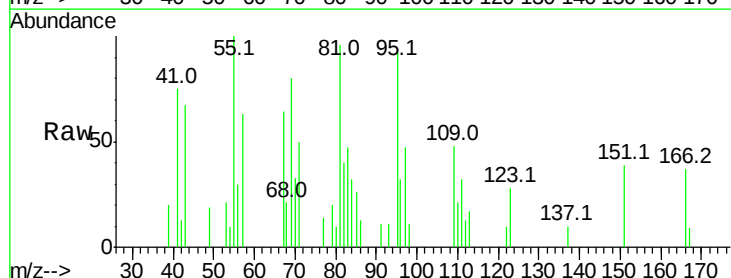
Instrument :
 BNA_F
 ClientSampleId :

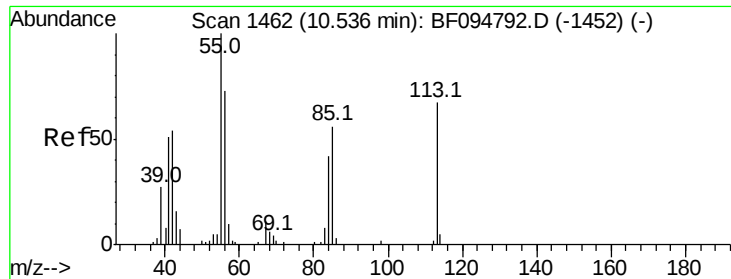
Tot Ion: 82 Resp: 316842
 Ion Ratio Lower Upper
 82 100
 128 49.8 34.0 51.0
 54 45.2 42.2 63.2



#32
 Benzoic acid
 Concen: 5.15 ng
 RT: 9.65 min Scan# 1312
 Delta R.T. 0.05 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

Tgt Ion:122 Resp: 246
 Ion Ratio Lower Upper
 122 100
 105 0.0 103.3 143.3#
 77 141.2 73.7 113.7#

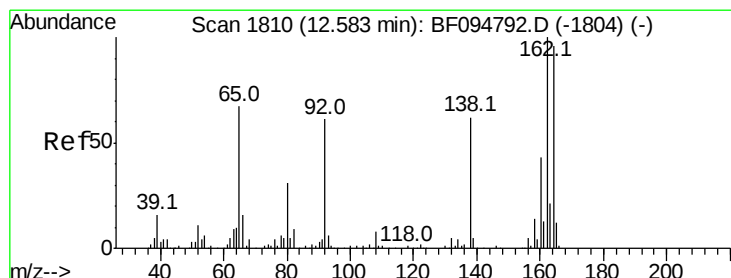
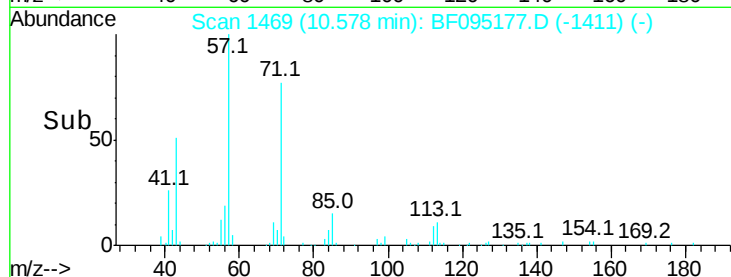
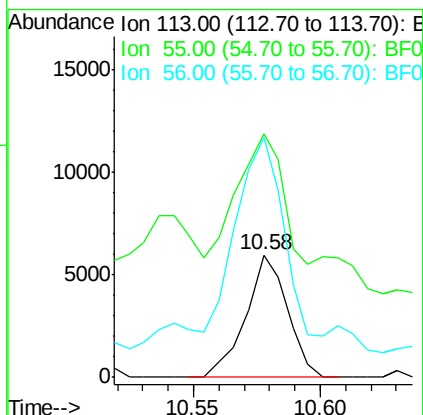
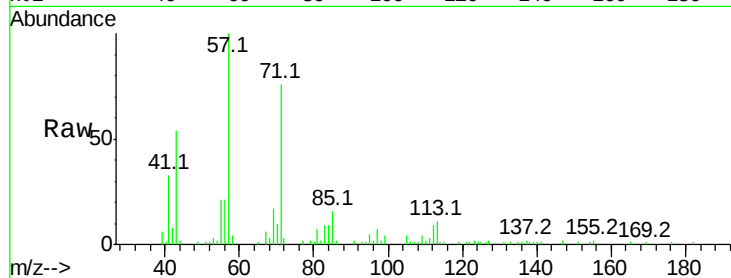




#35
 Caprolactam
 Concen: 4.86 ng
 RT: 10.58 min Scan# 1469
 Delta R.T. 0.04 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

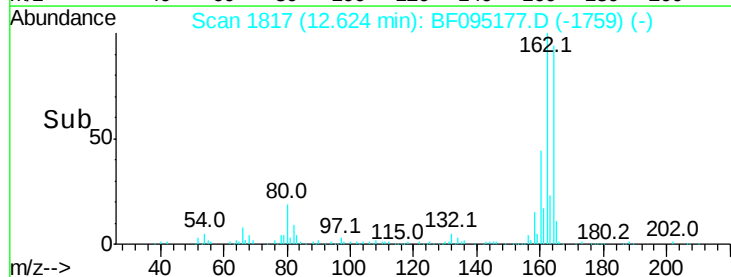
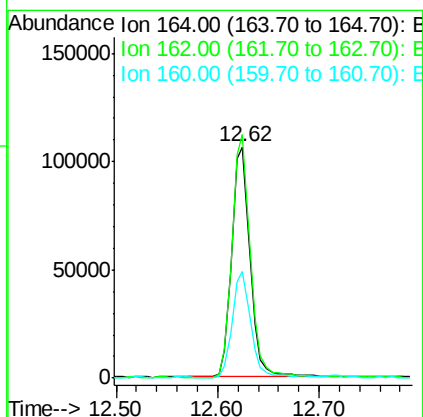
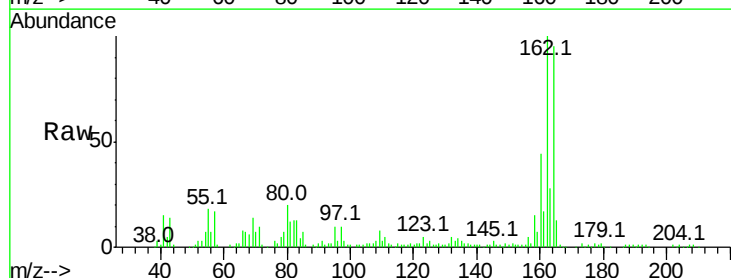
Instrument :
 BNA_F
 ClientSampleId :

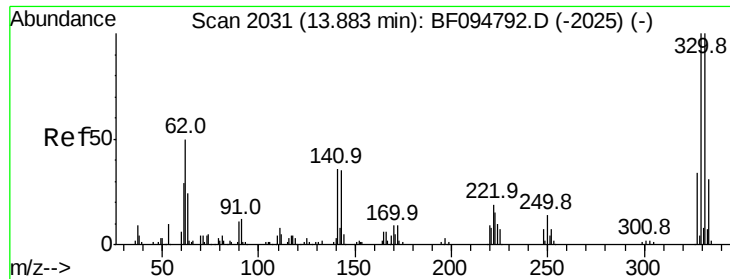
Tot Ion:113 Resp: 6860
 Ion Ratio Lower Upper
 113 100
 55 199.3 150.2 190.2#
 56 196.3 107.8 147.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.62 min Scan# 1817
 Delta R.T. 0.04 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

Tgt Ion:164 Resp: 135220
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.6 123.8
 160 46.2 36.2 54.2

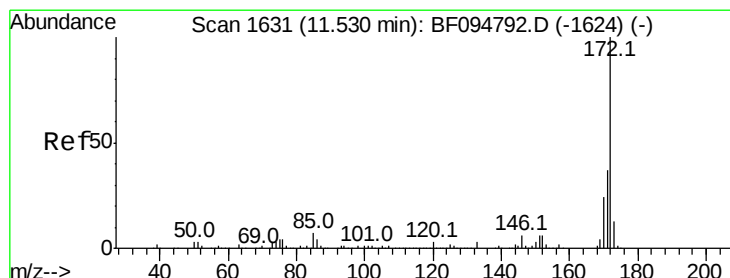
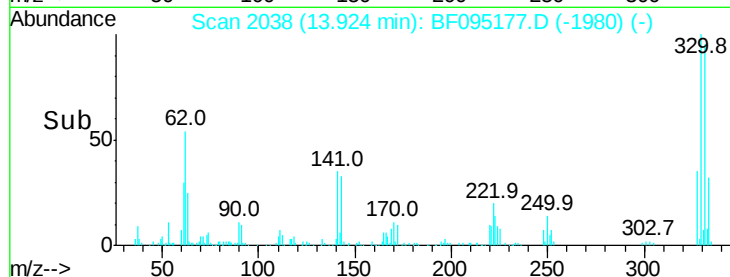
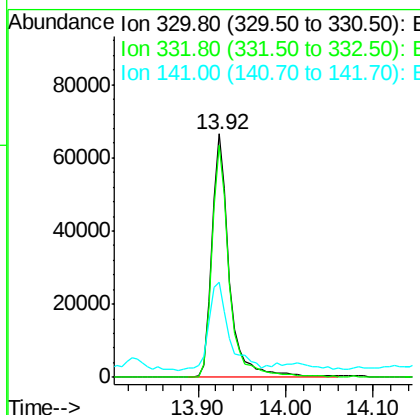
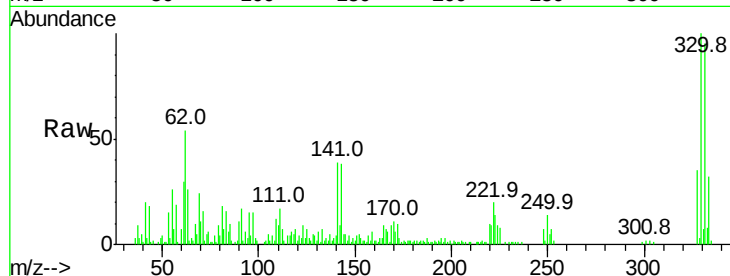




#41
 2,4,6-Tribromophenol
 Concen: 83.36 ng
 RT: 13.92 min Scan# 2038
 Delta R.T. 0.04 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

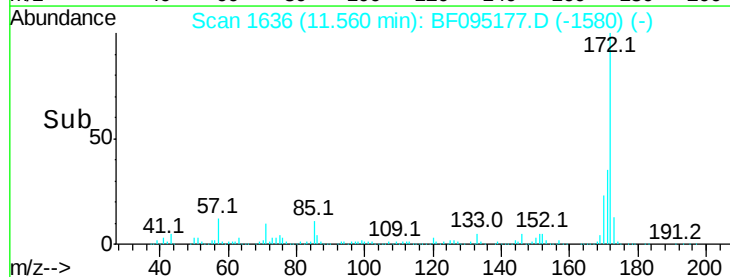
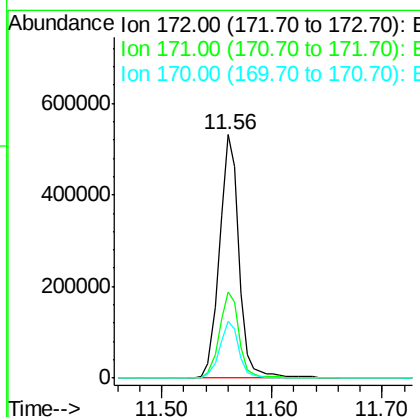
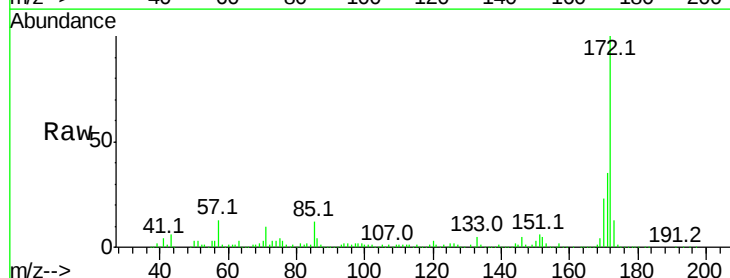
Instrument :
 BNA_F
 ClientSampled :

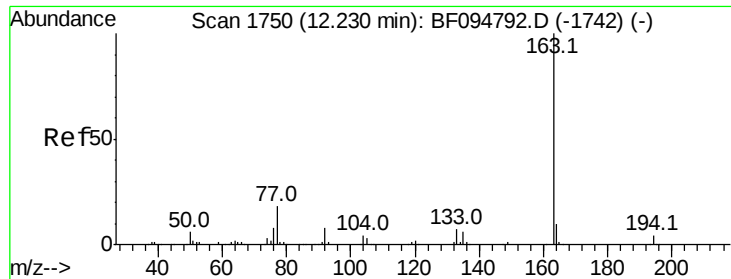
Tot Ion:330 Resp: 92314
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 115.0
 141 42.1 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 69.68 ng
 RT: 11.56 min Scan# 1636
 Delta R.T. 0.03 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

Tgt Ion:172 Resp: 654628
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.6 44.4
 170 23.1 19.8 29.8





#49

Dimethylphthalate

Concen: 7.17 ng

RT: 12.25 min Scan# 1754

Delta R.T. 0.02 min

Lab File: BF095177.D

Acq: 17 May 2017 2:24

Instrument :

BNA_F

ClientSampleId :

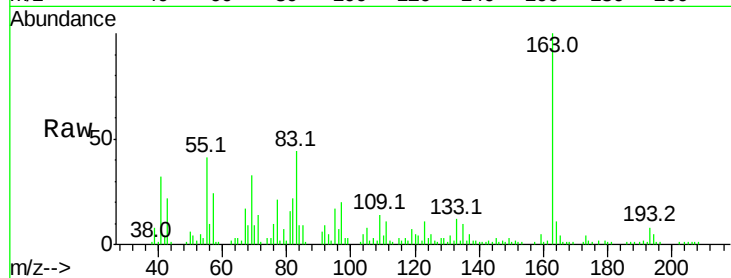
Tot Ion:163 Resp: 79636

Ion Ratio Lower Upper

163 100

194 4.6 2.6 4.0#

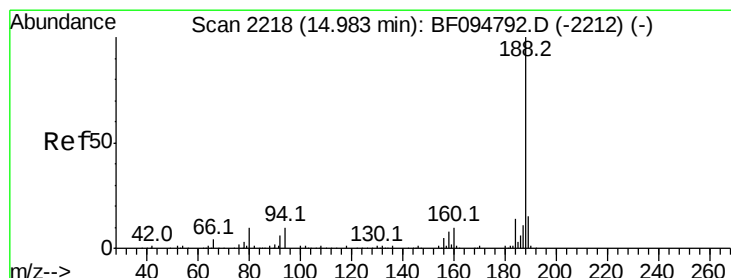
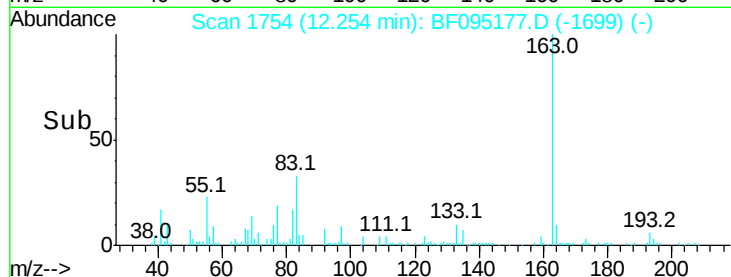
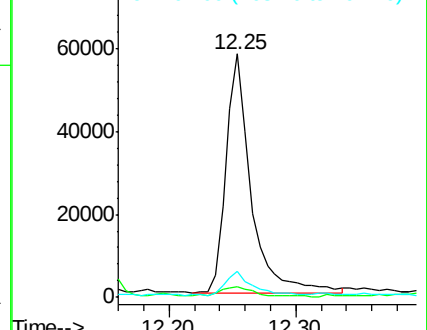
164 10.7 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 15.03 min Scan# 2226

Delta R.T. 0.05 min

Lab File: BF095177.D

Acq: 17 May 2017 2:24

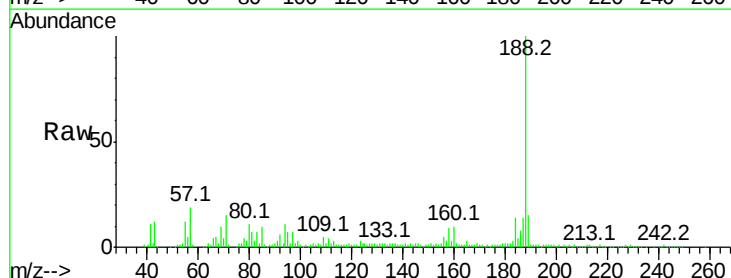
Tgt Ion:188 Resp: 193952

Ion Ratio Lower Upper

188 100

94 11.3 9.4 14.2

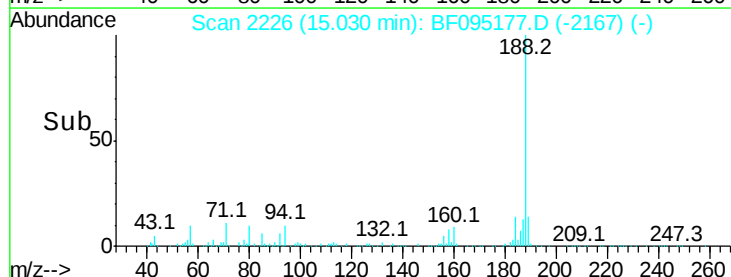
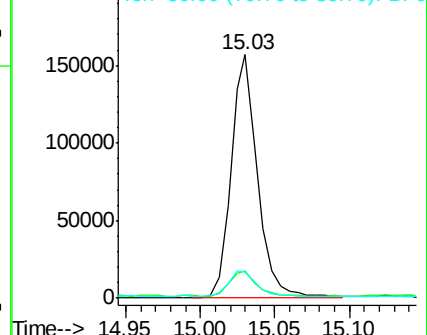
80 10.8 10.2 15.2

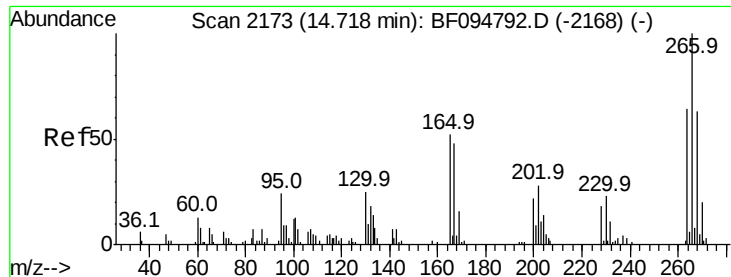


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

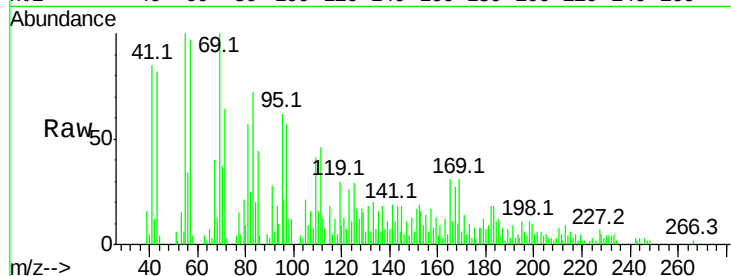




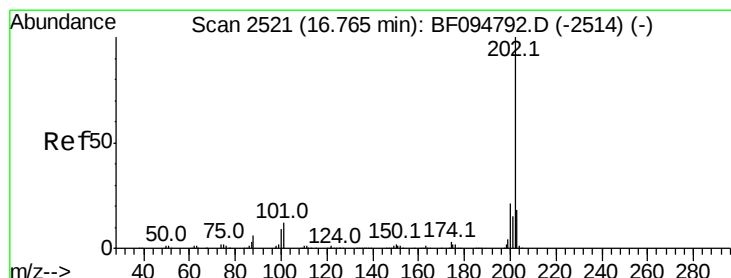
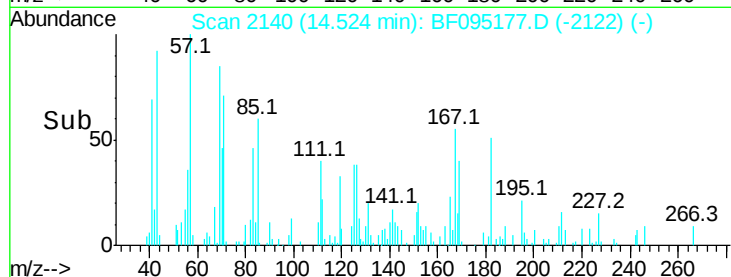
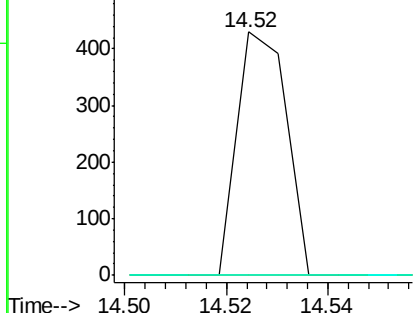
#69
 Pentachlorophenol
 Concen: 6.15 ng
 RT: 14.52 min Scan# 2140
 Delta R.T. -0.19 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
266	100		
268	0.0	51.1	76.7#
264	0.0	51.7	77.5#

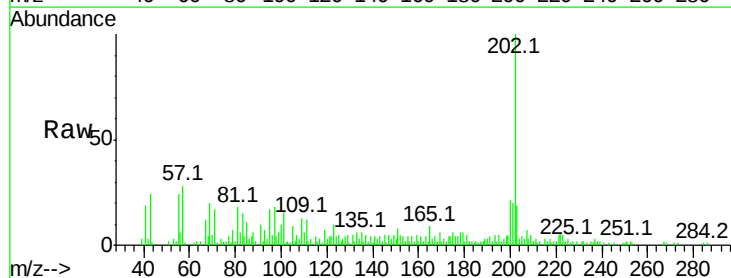


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

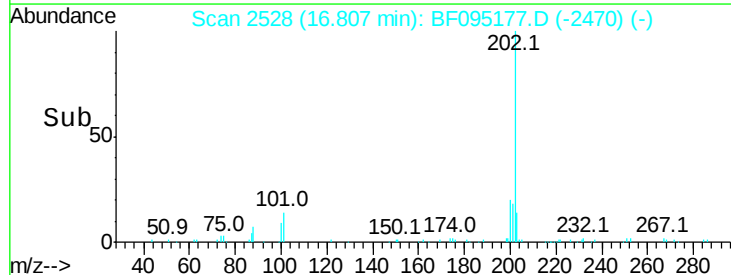
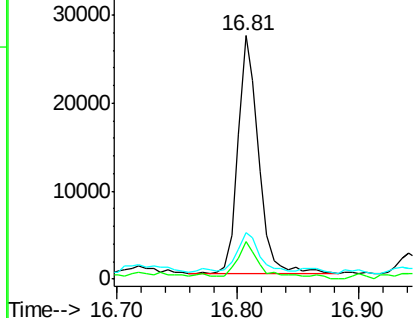


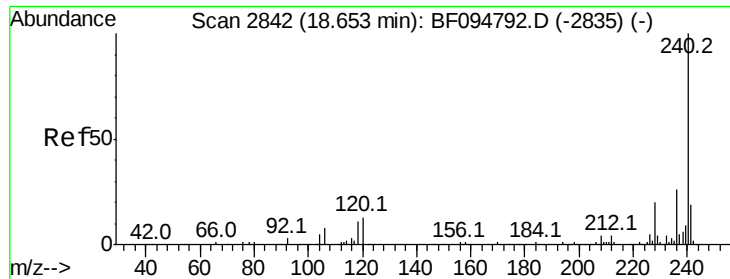
#74
 Fluoranthene
 Concen: 2.84 ng
 RT: 16.81 min Scan# 2528
 Delta R.T. 0.04 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.7	0.0	33.2
203	19.2	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

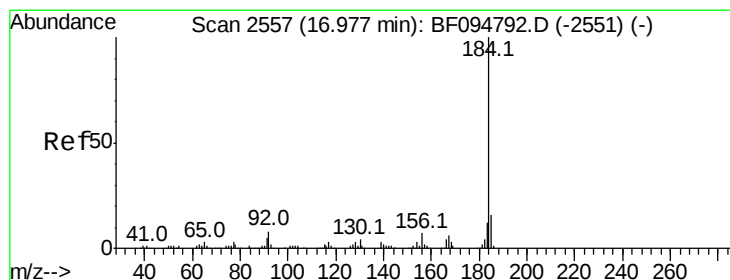
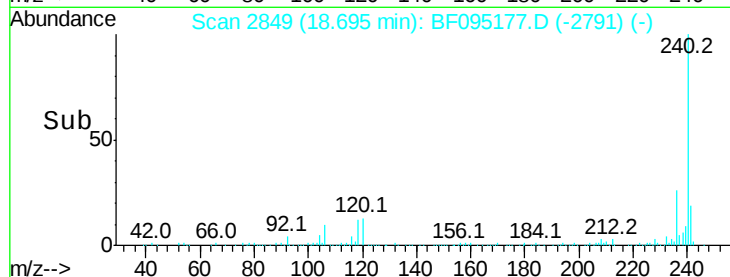
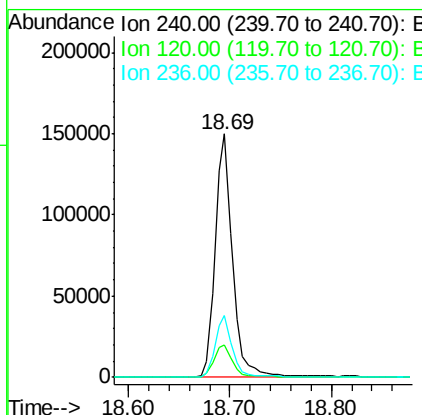
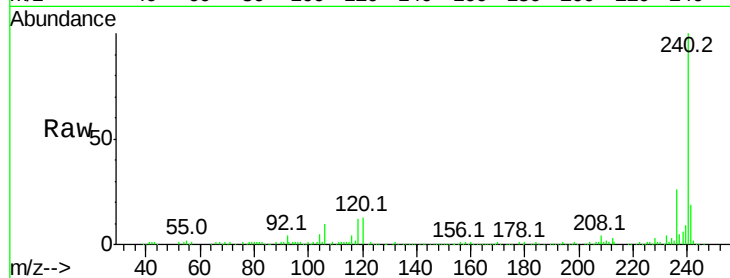




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.69 min Scan# 2849
 Delta R.T. 0.04 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

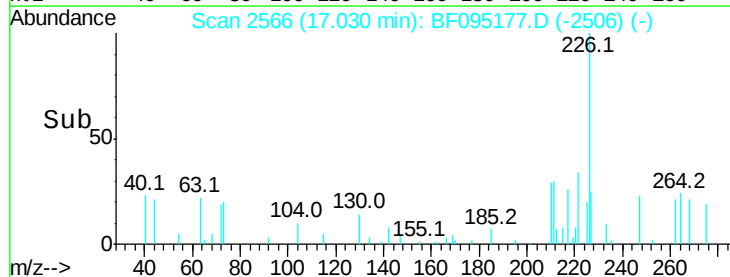
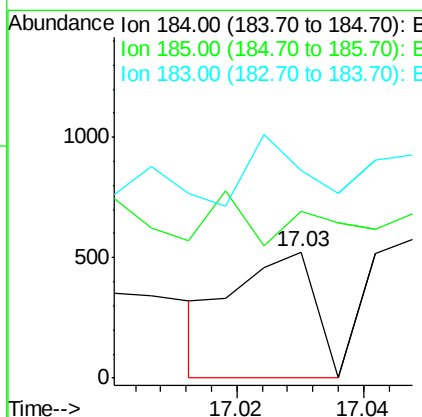
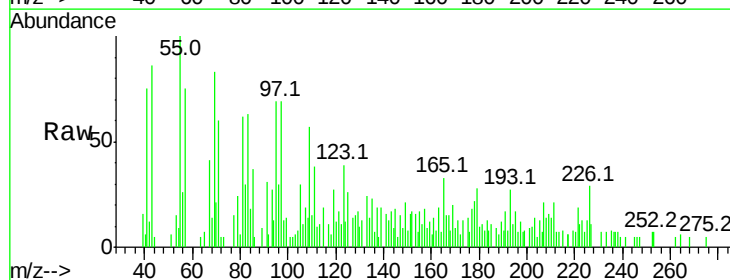
Instrument :
 BNA_F
 ClientSampleId :

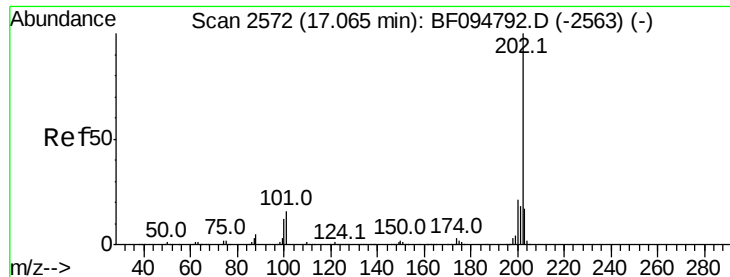
Tot Ion:240 Resp: 179309
 Ion Ratio Lower Upper
 240 100
 120 13.1 5.8 8.8#
 236 25.6 20.5 30.7



#76
 Benzidine
 Concen: 6.67 ng
 RT: 17.03 min Scan# 2566
 Delta R.T. 0.05 min
 Lab File: BF095177.D
 Acq: 17 May 2017 2:24

Tgt Ion:184 Resp: 464
 Ion Ratio Lower Upper
 184 100
 185 132.5 15.5 23.3#
 183 164.6 9.8 14.6#





#77

Pvrene

Concen: 2.43 ng

RT: 17.11 min Scan# 2580

Delta R.T. 0.05 min

Lab File: BF095177.D

Acq: 17 May 2017 2:24

Instrument :

BNA_F

ClientSampleId :

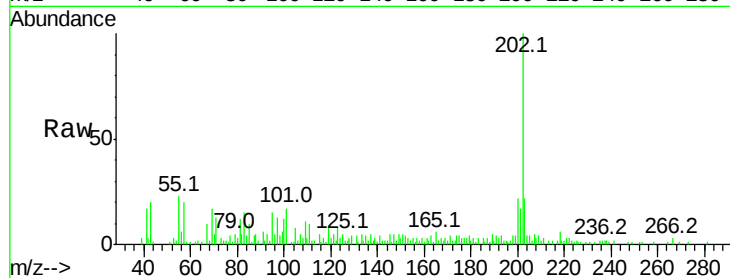
Tot Ion:202 Resp: 32578

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

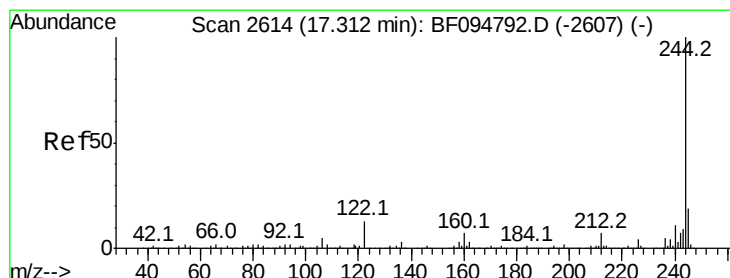
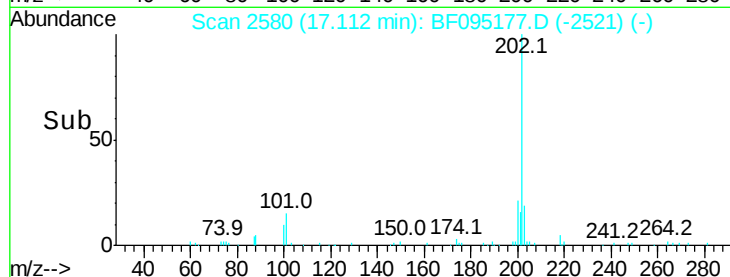
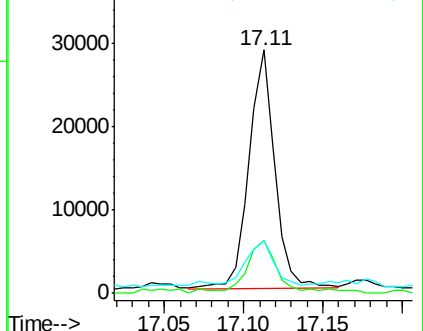
203 22.0 14.4 21.6#



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: 45.94 ng

RT: 17.34 min Scan# 2619

Delta R.T. 0.03 min

Lab File: BF095177.D

Acq: 17 May 2017 2:24

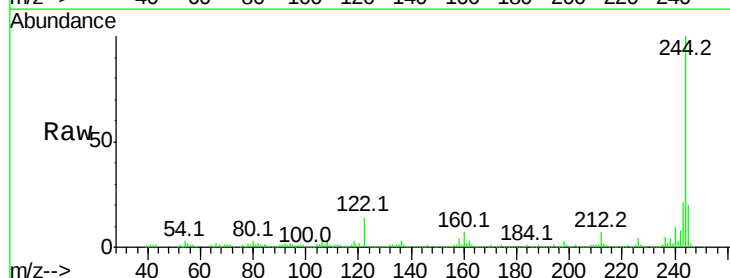
Tgt Ion:244 Resp: 373955

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

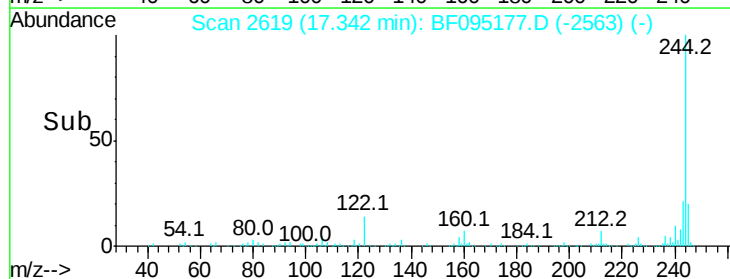
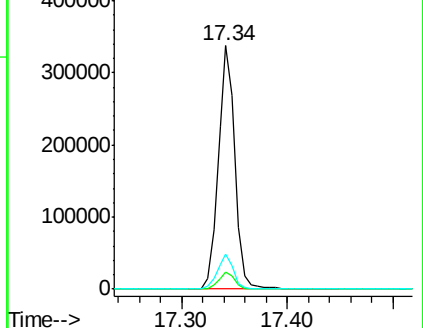
122 14.2 10.3 15.5

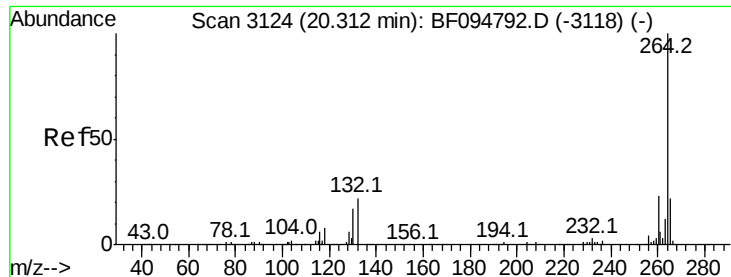


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

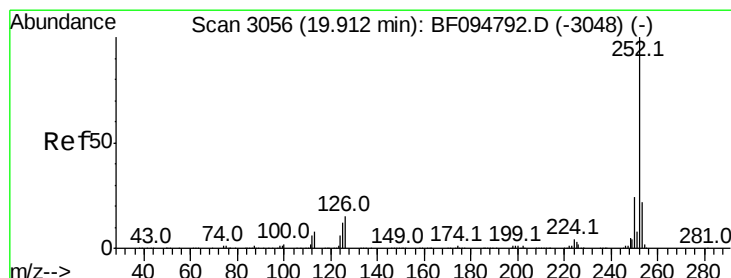
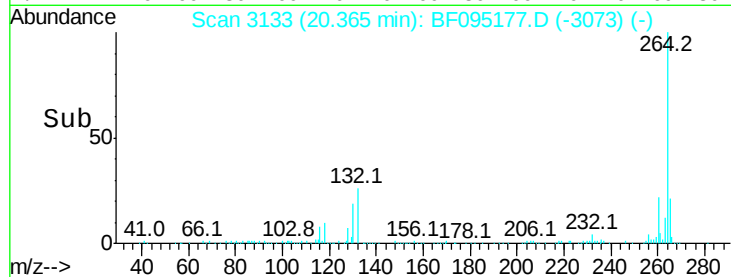
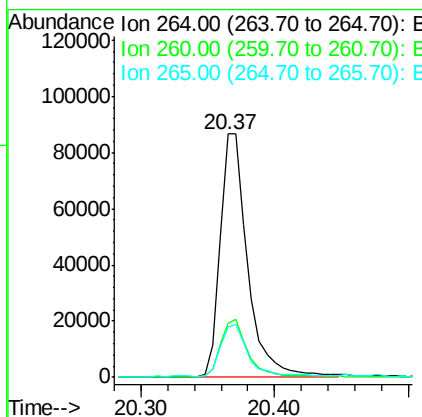
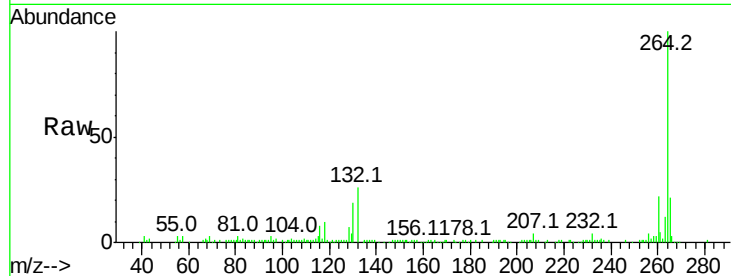




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.05 min
Lab File: BF095177.D
Acq: 17 May 2017 2:24

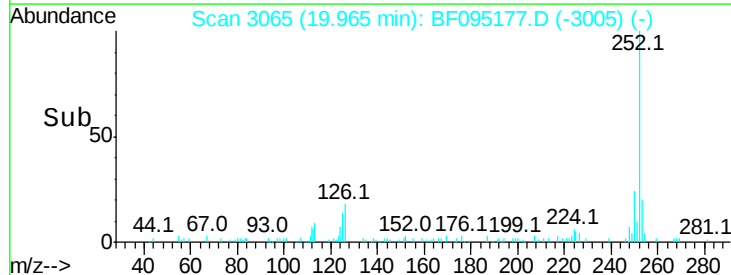
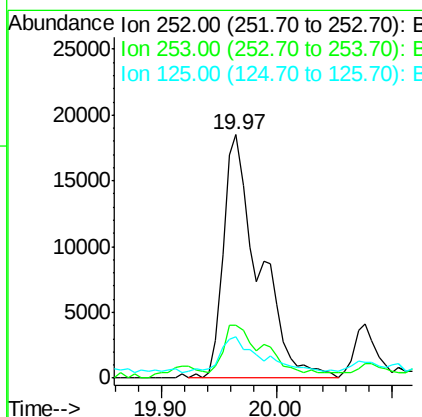
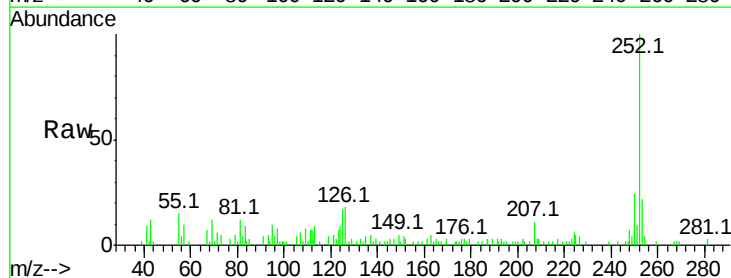
Instrument :
BNA_F
ClientSampleId :

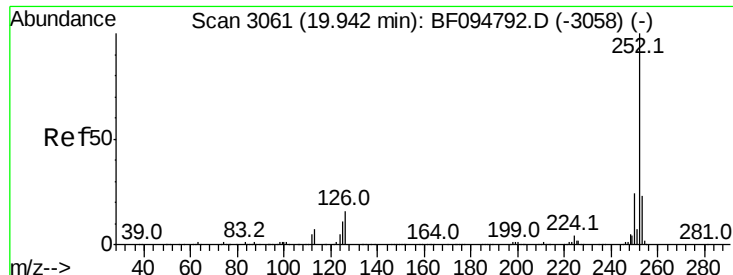
Tot Ion:264 Resp: 126501
Ion Ratio Lower Upper
264 100
260 22.3 19.5 29.3
265 20.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 5.05 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.05 min
Lab File: BF095177.D
Acq: 17 May 2017 2:24

Tgt Ion:252 Resp: 39480
Ion Ratio Lower Upper
252 100
253 21.9 18.1 27.1
125 16.9 9.8 14.8#

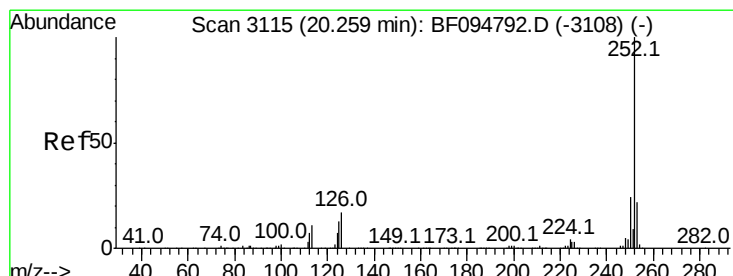
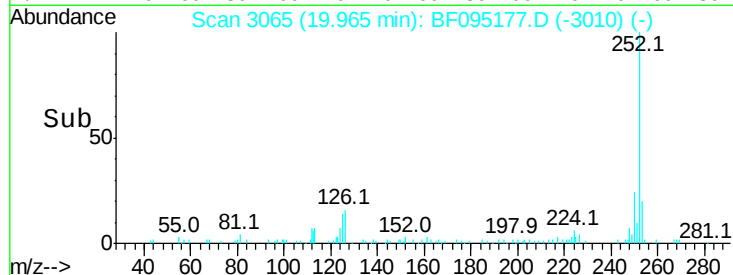
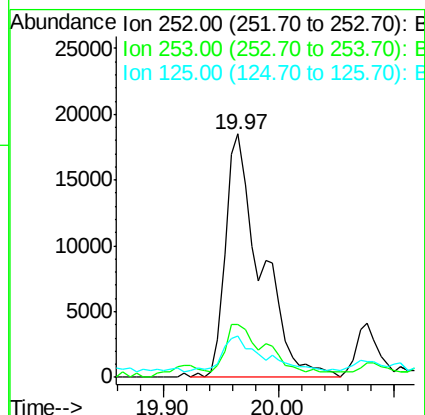
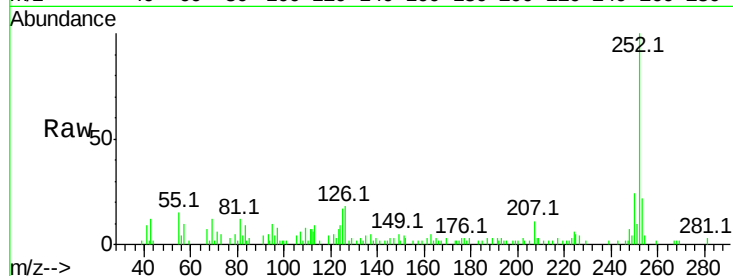




#88
Benzo(k)fluoranthene
Concen: 5.24 ng
RT: 19.97 min Scan# 3065
Delta R.T. 0.02 min
Lab File: BF095177.D
Acq: 17 May 2017 2:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	16.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.45 ng
RT: 20.31 min Scan# 3124
Delta R.T. 0.05 min
Lab File: BF095177.D
Acq: 17 May 2017 2:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.1	17.5	26.3#
125	17.8	11.0	16.4#

