

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
 Data File : BF095643.D
 Acq On : 2 Jun 2017 20:04
 Operator : SJ/MA
 Sample : I3412-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 03 01:33:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 01 18:51:16 2017
 Response via : Initial Calibration

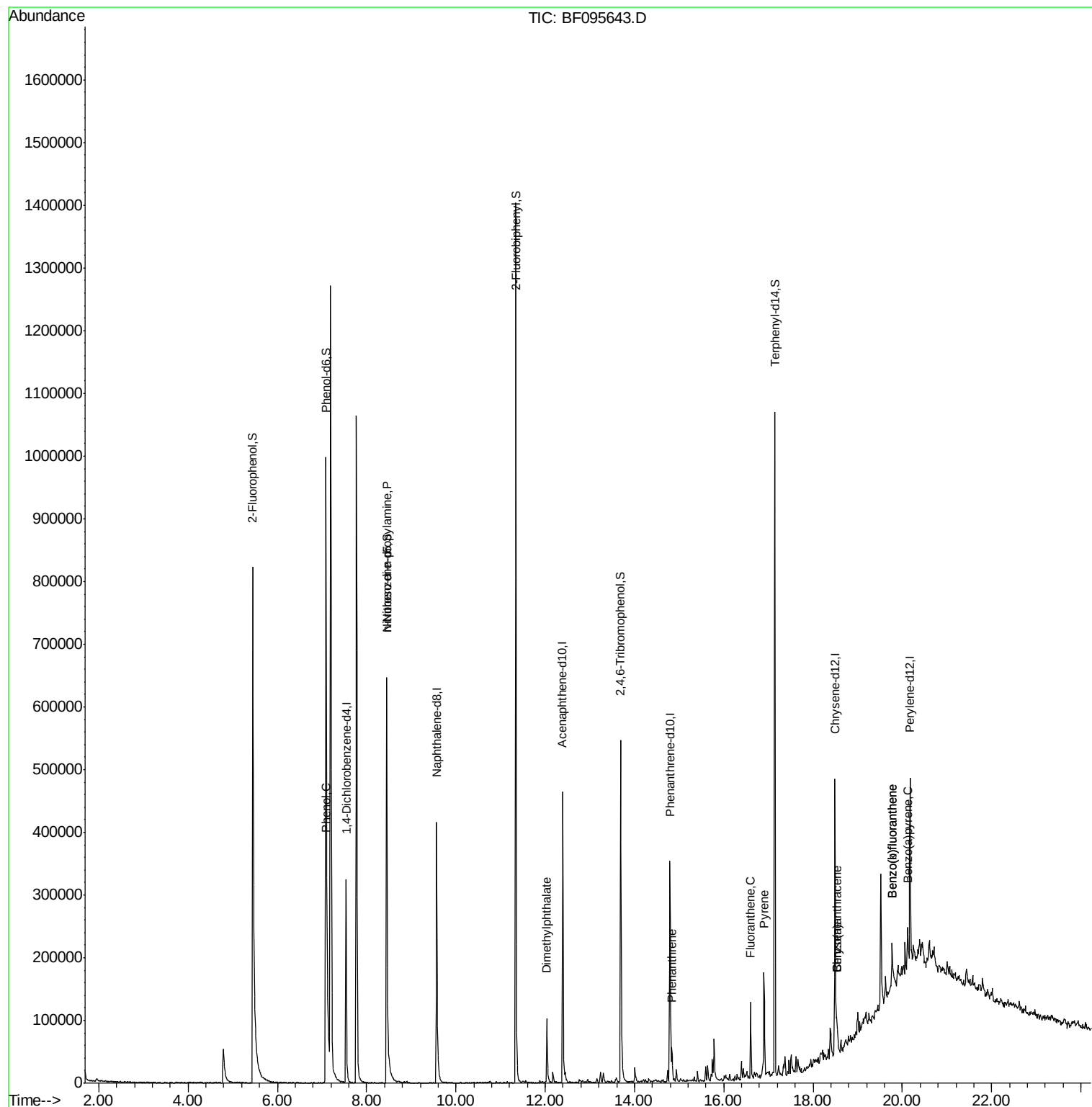
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	84104	20.00	ng	0.00
21) Naphthalene-d8	9.57	136	324980	20.00	ng	0.00
38) Acenaphthene-d10	12.39	164	128323	20.00	ng	0.00
63) Phenanthrene-d10	14.79	188	199116	20.00	ng	-0.01
75) Chrysene-d12	18.49	240	169085	20.00	ng	0.00
86) Perylene-d12	20.17	264	123931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	582504	115.47	ng	0.00
7) Phenol-d6	7.09	99	662354	109.43	ng	-0.01
23) Nitrobenzene-d5	8.45	82	380521	73.84	ng	-0.01
41) 2,4,6-Tribromophenol	13.69	330	101939	97.00	ng	0.00
44) 2-Fluorobiphenyl	11.35	172	638119	71.57	ng	0.00
78) Terphenyl-d14	17.14	244	397224	51.74	ng	0.00
Target Compounds						
10) Phenol	7.11	94	27499	4.31	ng	# 75
19) n-Nitroso-di-n-propylamine	8.45	70	47990	11.72	ng	# 75
49) Dimethylphthalate	12.04	163	71151	6.75	ng	98
70) Phenanthrene	14.84	178	37629	3.29	ng	99
74) Fluoranthene	16.60	202	71238	6.07	ng	98
77) Pyrene	16.90	202	79910	6.32	ng	96
80) Benzo(a)anthracene	18.53	228	36092	3.67	ng	97
82) Chrysene	18.53	228	36092	3.79	ng	100
87) Benzo(b)fluoranthene	19.77	252	44650	5.83	ng	# 90
88) Benzo(k)fluoranthene	19.77	252	44650	6.04	ng	# 94
89) Benzo(a)pyrene	20.12	252	25456	3.60	ng	# 88

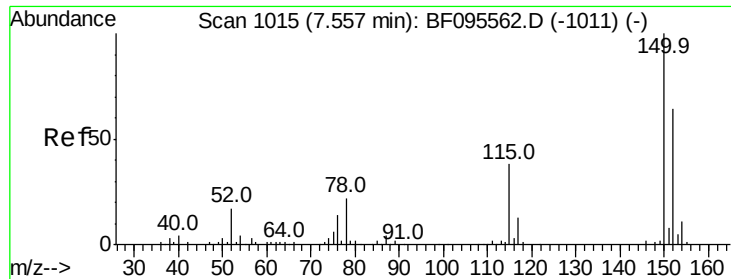
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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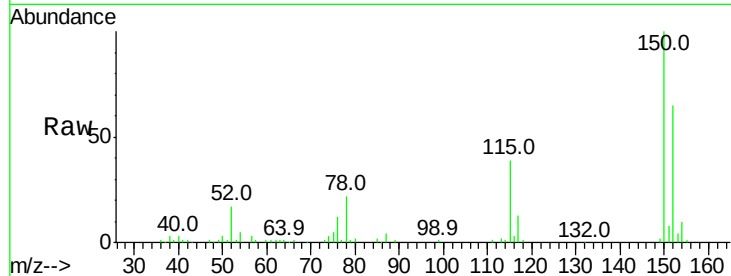


#1

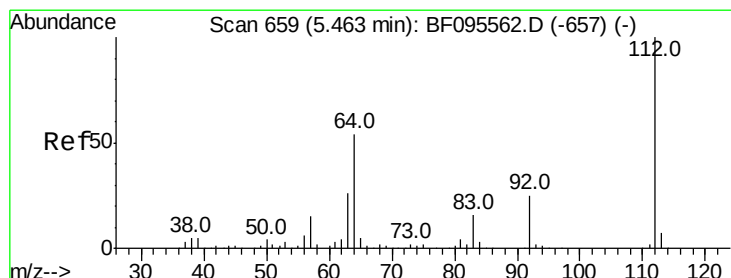
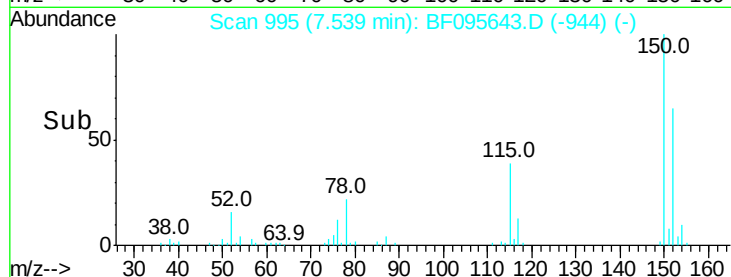
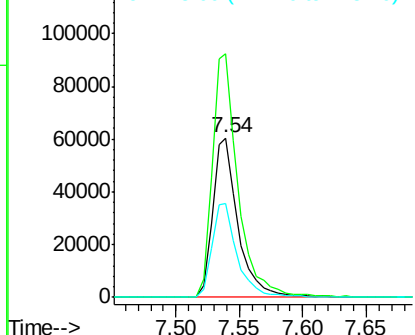
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.54 min Scan# 995
Delta R.T. 0.00 min
Lab File: BF095643.D
Acq: 2 Jun 2017 20:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 84104
Ion Ratio Lower Upper
152 100
150 152.8 126.2 189.2
115 59.1 52.2 78.2



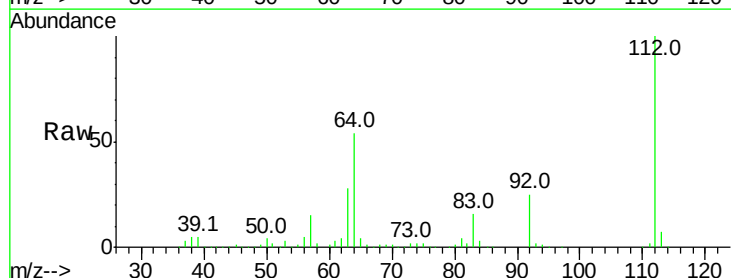
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



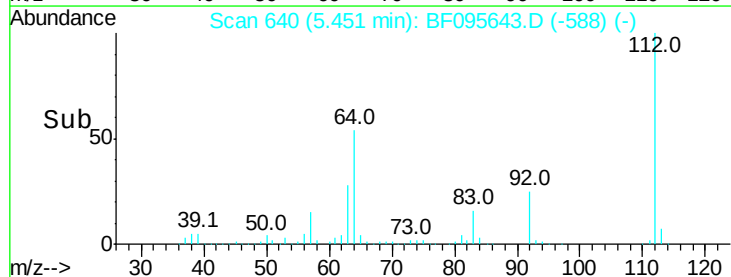
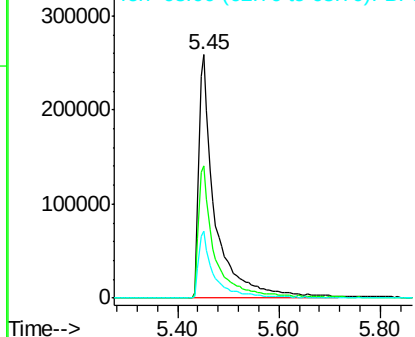
#5

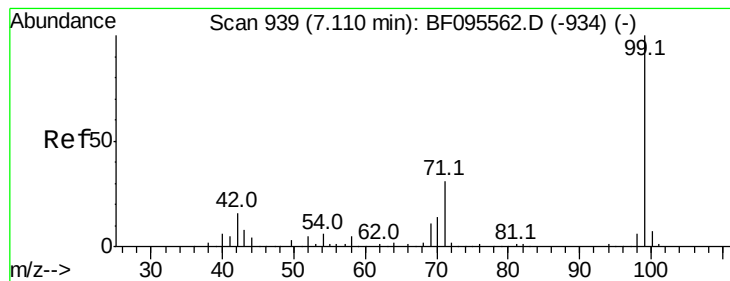
2-Fluorophenol
Concen: 115.47 ng
RT: 5.45 min Scan# 640
Delta R.T. 0.01 min
Lab File: BF095643.D
Acq: 2 Jun 2017 20:04

Tgt Ion:112 Resp: 582504
Ion Ratio Lower Upper
112 100
64 54.3 46.0 69.0
63 27.6 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: 109.43 ng

RT: 7.09 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :

BNA_F

ClientSampled :

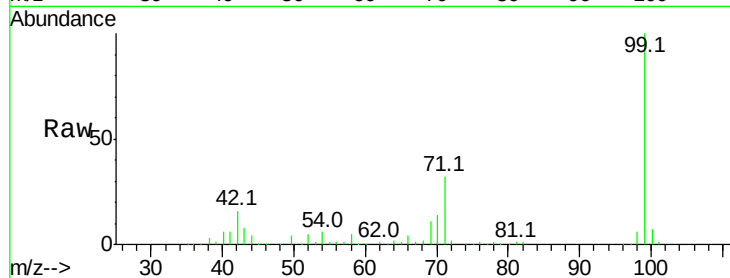
Tot Ion: 99 Resp: 662354

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

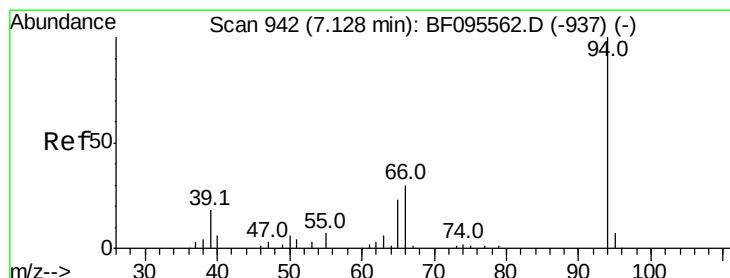
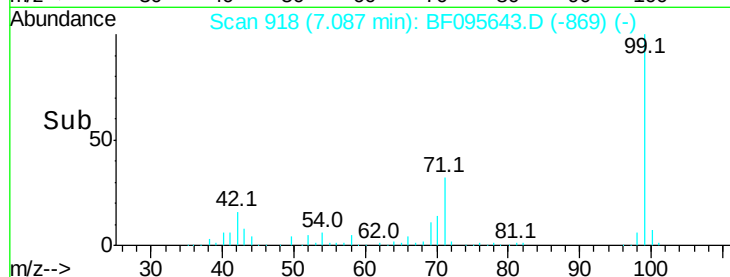
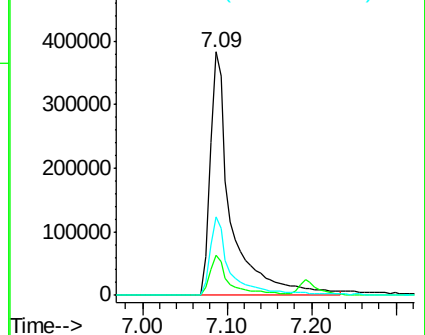
71 32.0 24.5 36.7



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



#10

Phenol

Concen: 4.31 ng

RT: 7.11 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

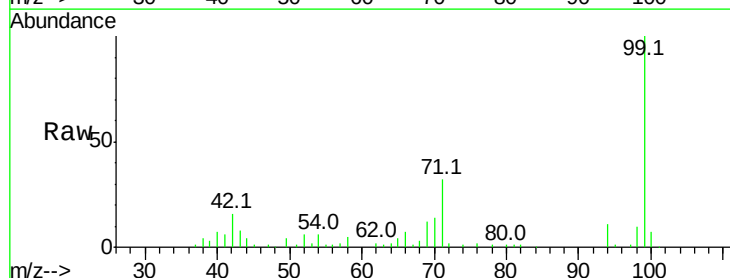
Tgt Ion: 94 Resp: 27499

Ion Ratio Lower Upper

94 100

65 34.4 9.9 49.9

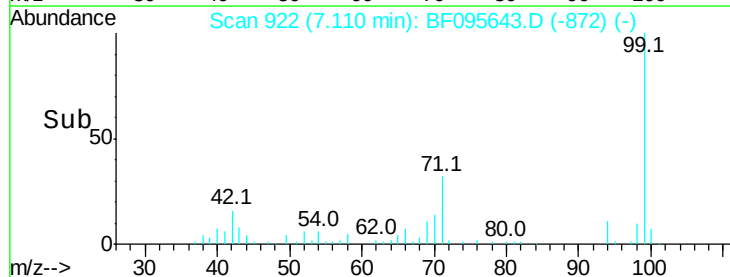
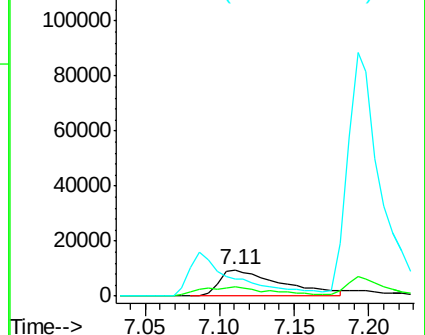
66 66.7 23.1 63.1#

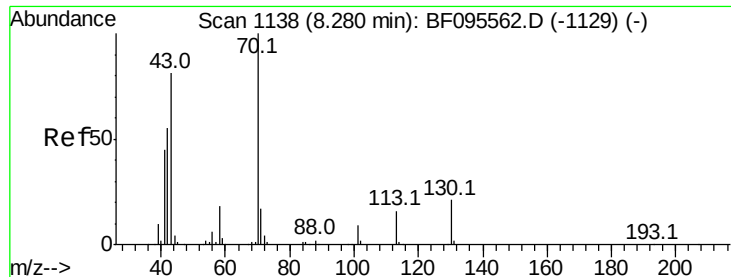


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 11.72 ng

RT: 8.45 min Scan# 1150

Delta R.T. 0.18 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 47990

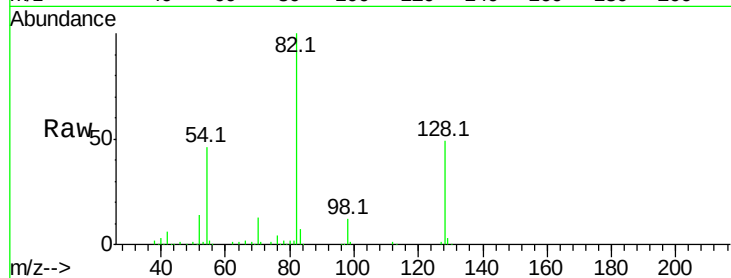
Ion Ratio Lower Upper

70 100

42 43.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

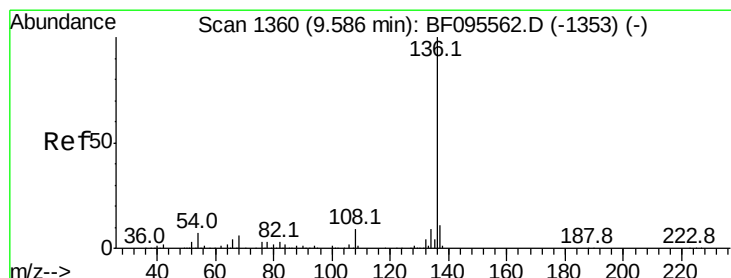
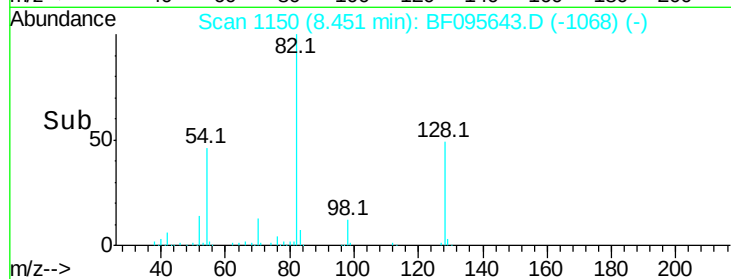
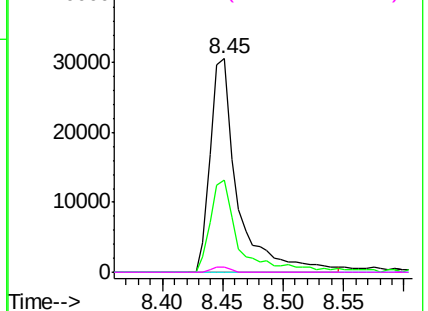


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.57 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Tgt Ion:136 Resp: 324980

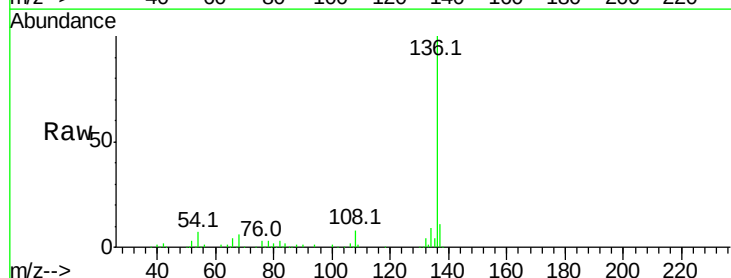
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.8 4.9 7.3

68 5.6 4.1 6.1

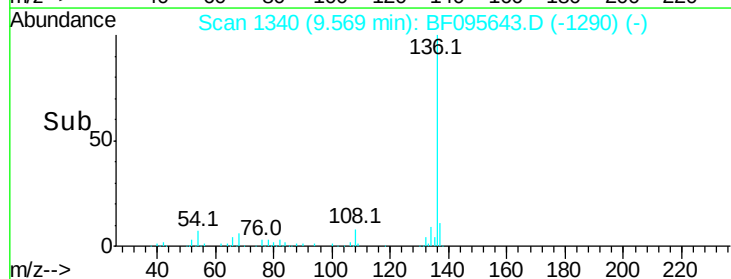
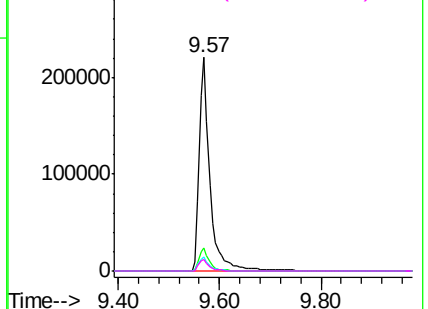


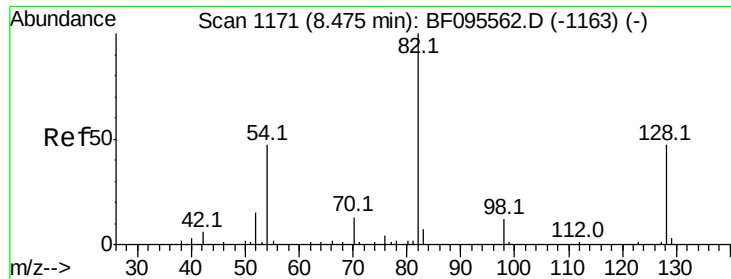
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

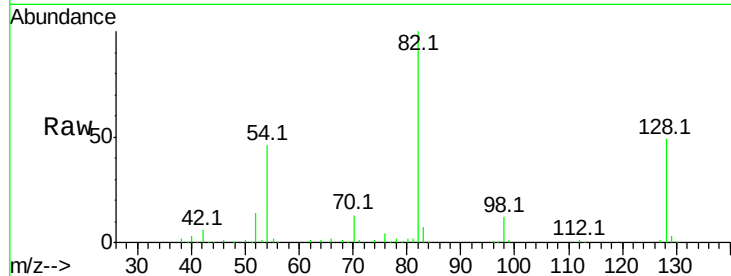




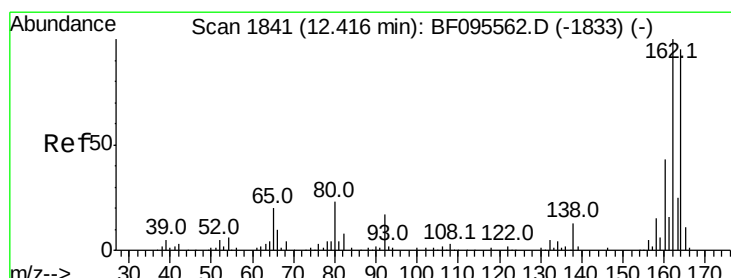
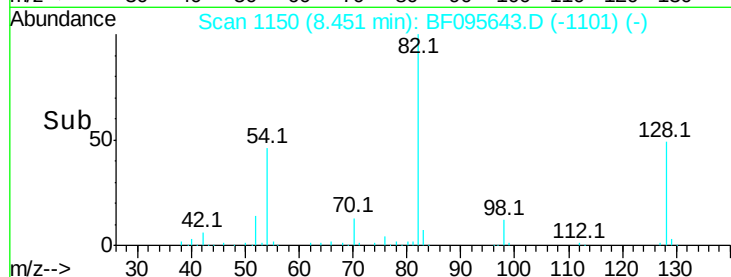
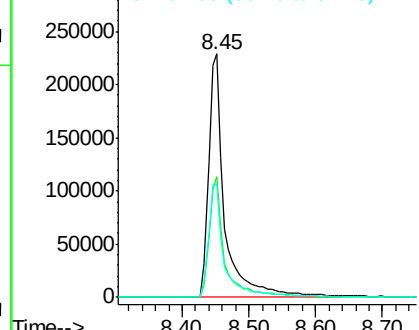
#23
Nitrobenzene-d5
Concen: 73.84 ng
RT: 8.45 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF095643.D
Acq: 2 Jun 2017 20:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 380521
Ion Ratio Lower Upper
82 100
128 49.5 34.0 51.0
54 46.4 42.2 63.2

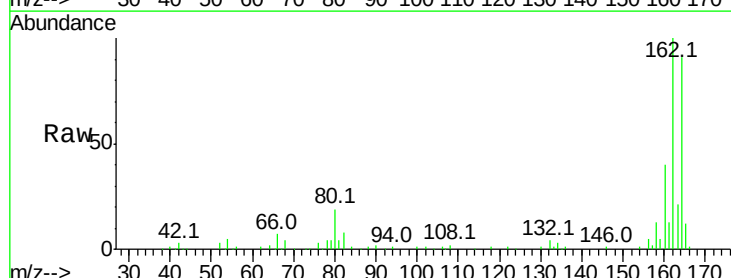


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

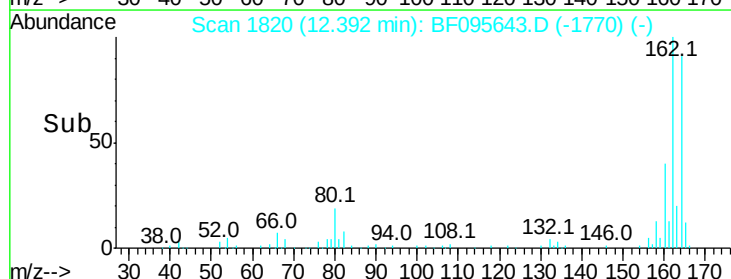
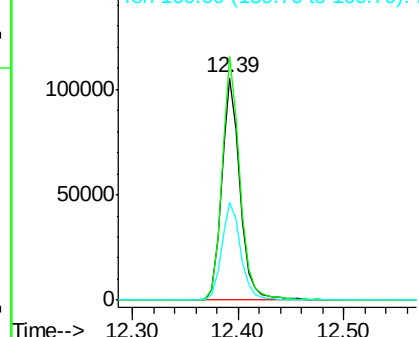


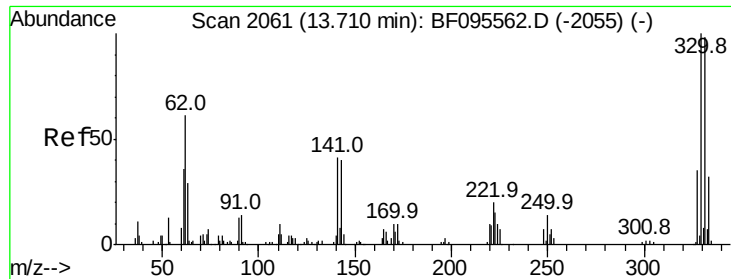
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.39 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF095643.D
Acq: 2 Jun 2017 20:04

Tgt Ion:164 Resp: 128323
Ion Ratio Lower Upper
164 100
162 109.5 82.6 123.8
160 44.1 36.2 54.2



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





#41

2,4,6-Tribromophenol

Concen: 97.00 ng

RT: 13.69 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :

BNA_F

ClientSampleId :

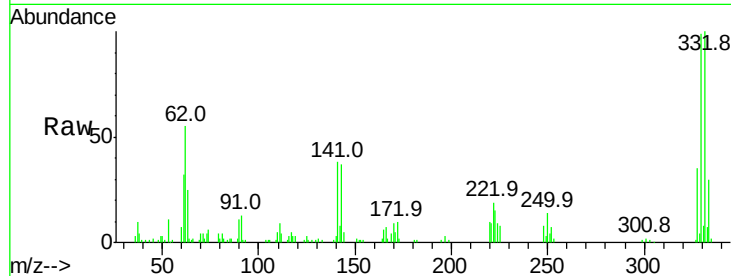
Tot Ion:330 Resp: 101939

Ion Ratio Lower Upper

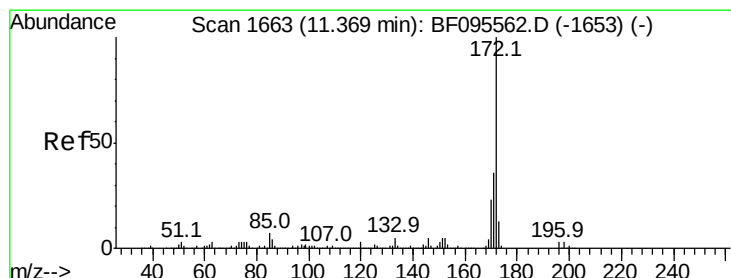
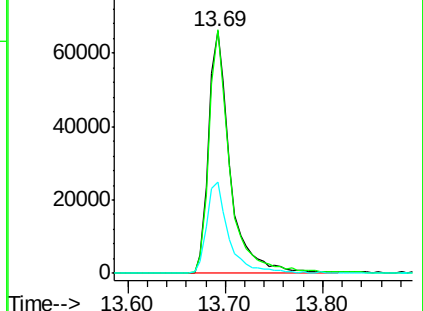
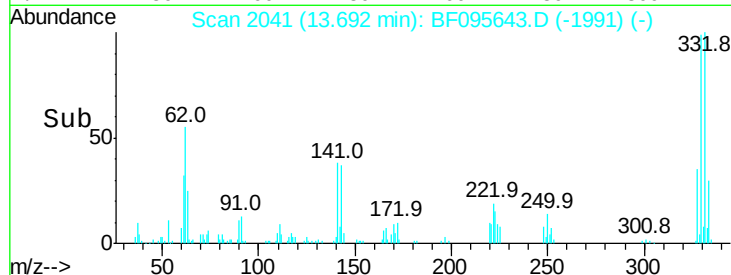
330 100

332 97.2 76.6 115.0

141 38.4 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: 71.57 ng

RT: 11.35 min Scan# 1642

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

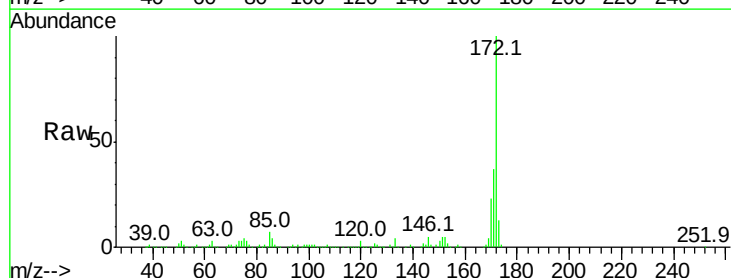
Tgt Ion:172 Resp: 638119

Ion Ratio Lower Upper

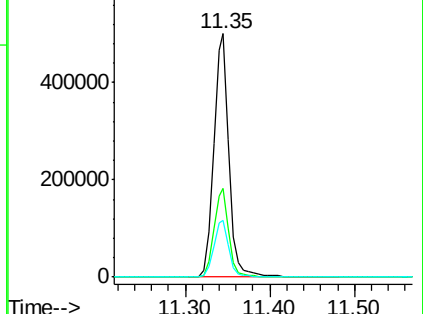
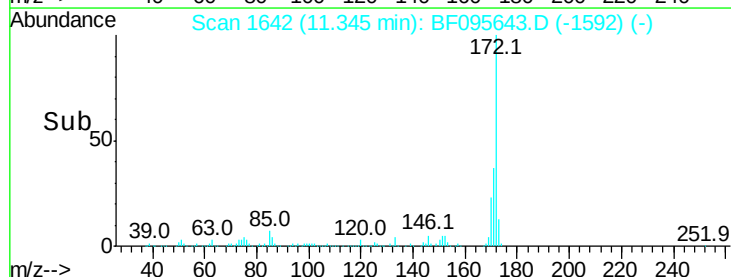
172 100

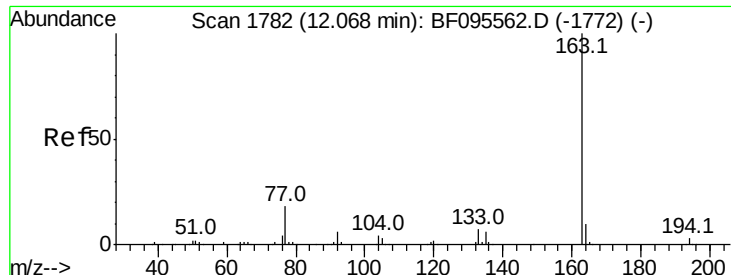
171 36.5 29.6 44.4

170 23.5 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

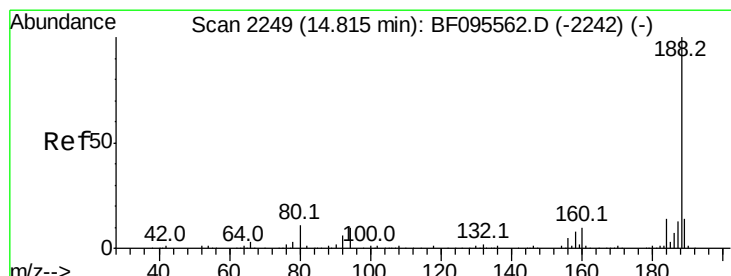
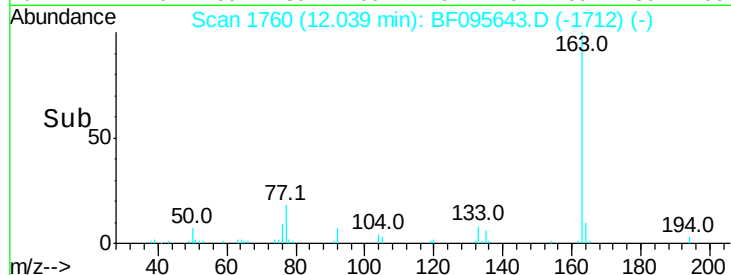
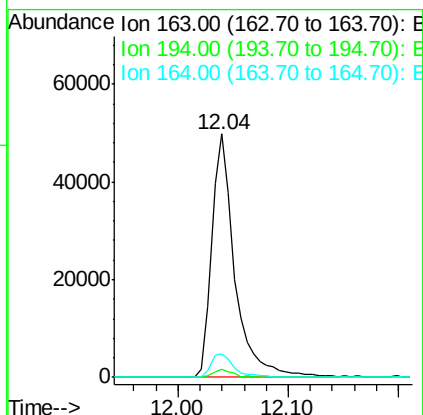
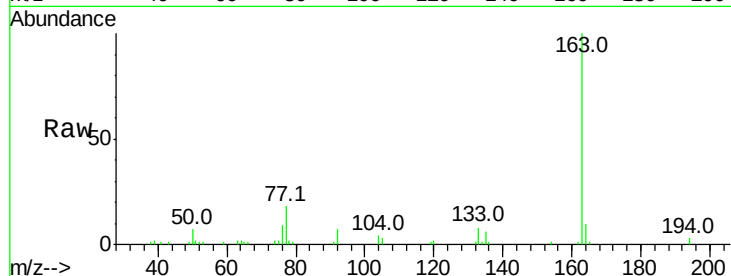




#49
Dimethylphthalate
Concen: 6.75 ng
RT: 12.04 min Scan# 1760
Delta R.T. -0.02 min
Lab File: BF095643.D
Acq: 2 Jun 2017 20:04

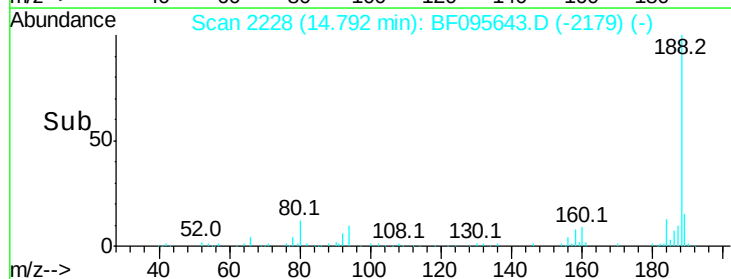
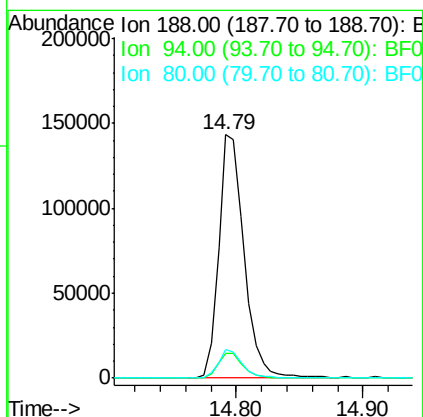
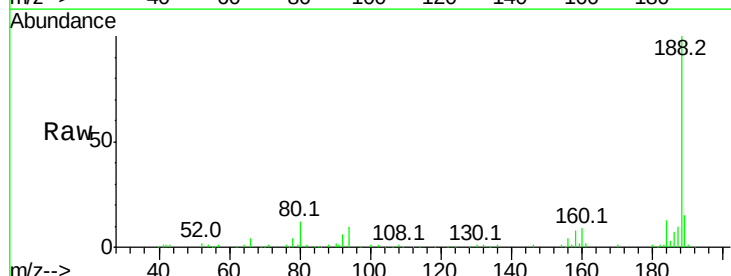
Instrument :
BNA_F
ClientSampleId :

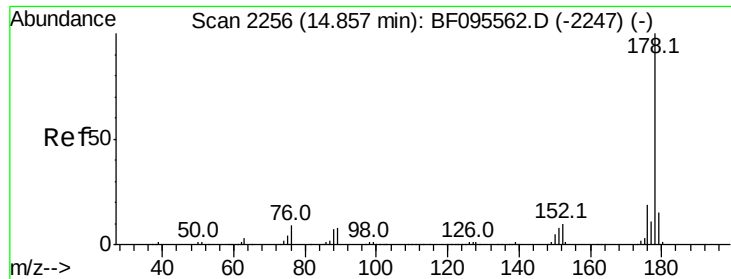
Tot Ion:163 Resp: 71151
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.5 8.4 12.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.79 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BF095643.D
Acq: 2 Jun 2017 20:04

Tgt Ion:188 Resp: 199116
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.6 10.2 15.2





#70

Phenanthrene

Concen: 3.29 ng

RT: 14.84 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :

BNA_F

ClientSampleId :

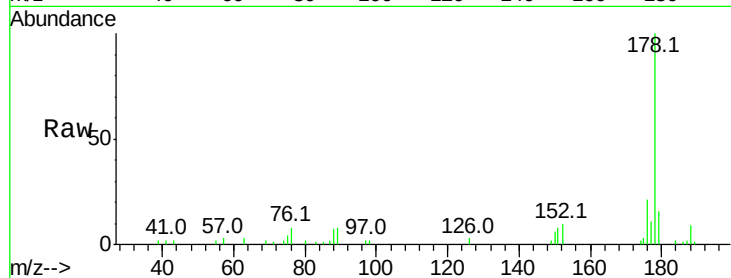
Tot Ion:178 Resp: 37629

Ion Ratio Lower Upper

178 100

176 20.8 16.2 24.4

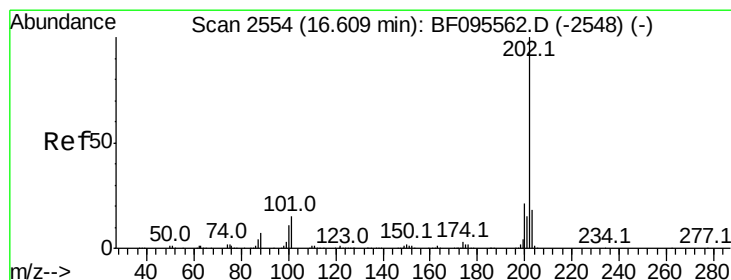
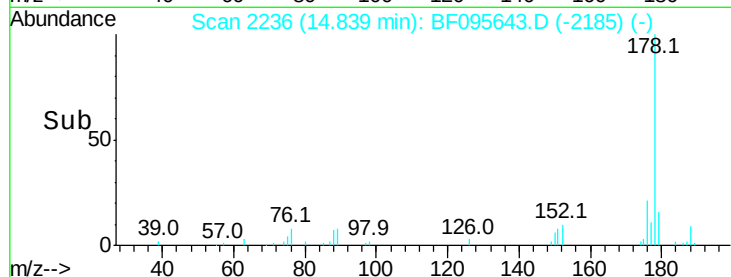
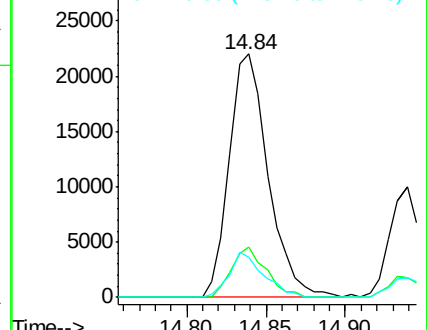
179 16.3 12.6 19.0



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



#74

Fluoranthene

Concen: 6.07 ng

RT: 16.60 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

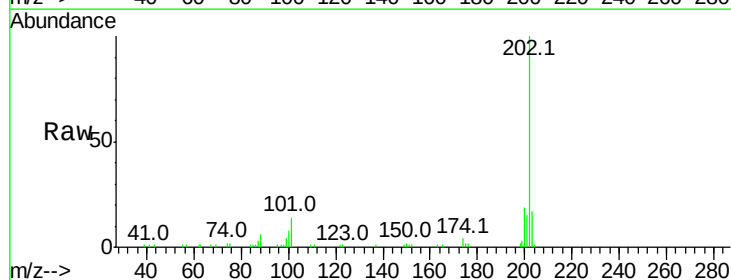
Tgt Ion:202 Resp: 71238

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

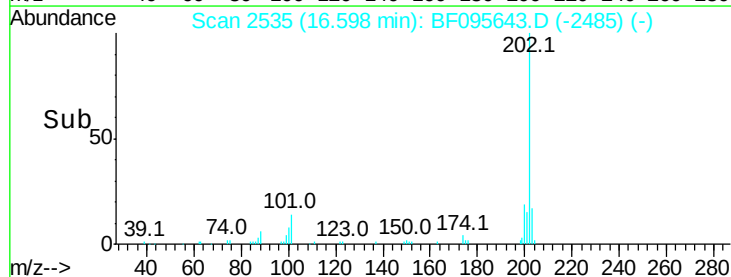
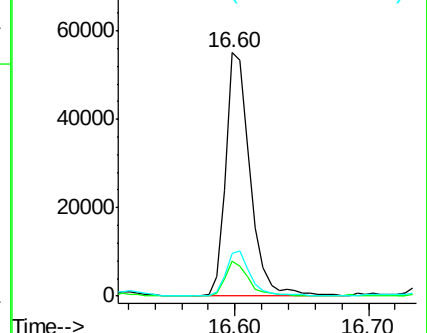
203 17.3 0.0 38.1

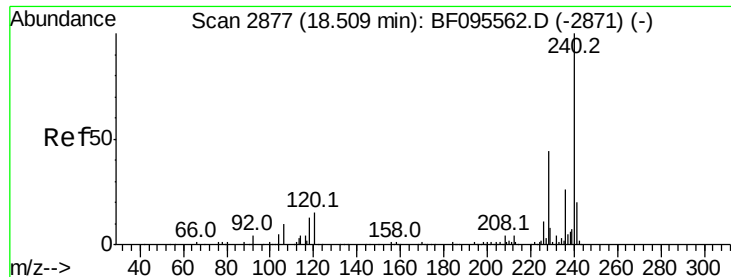


Abundance Ion 202.00 (201.70 to 202.70): E

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: 18.49 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :

BNA_F

ClientSampleId :

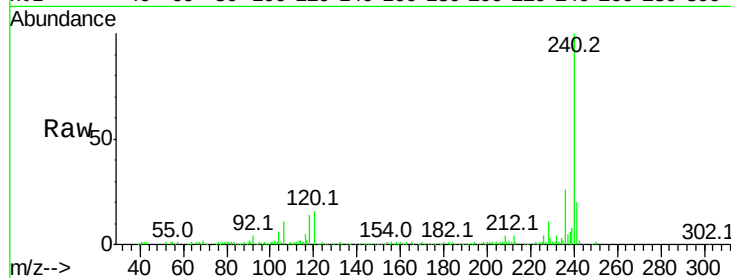
Tot Ion:240 Resp: 169085

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

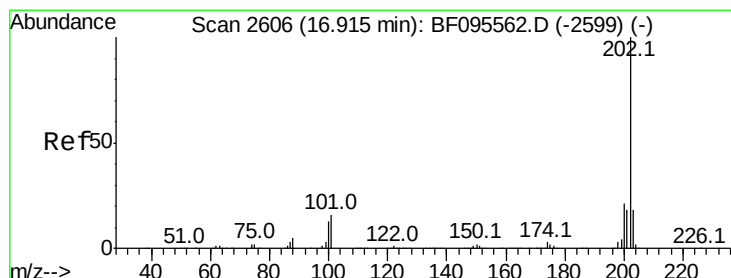
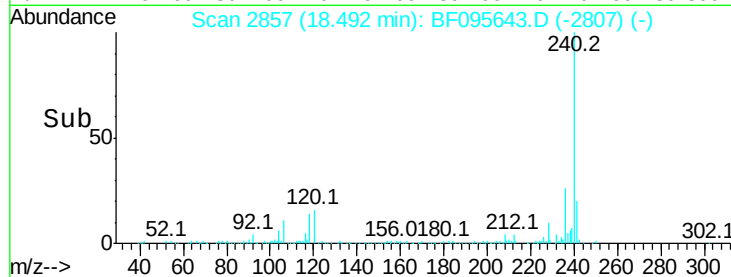
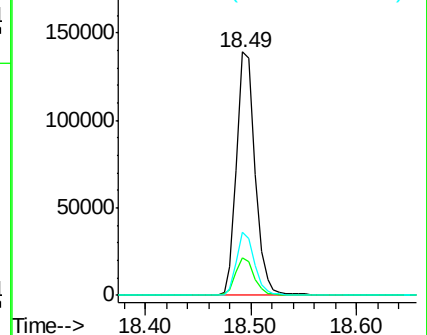
236 26.1 20.5 30.7



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: 6.32 ng

RT: 16.90 min Scan# 2587

Delta R.T. 0.00 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

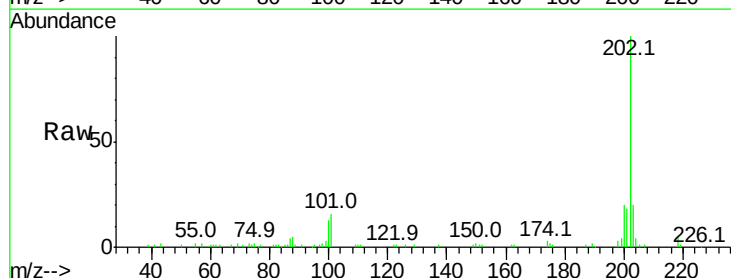
Tgt Ion:202 Resp: 79910

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

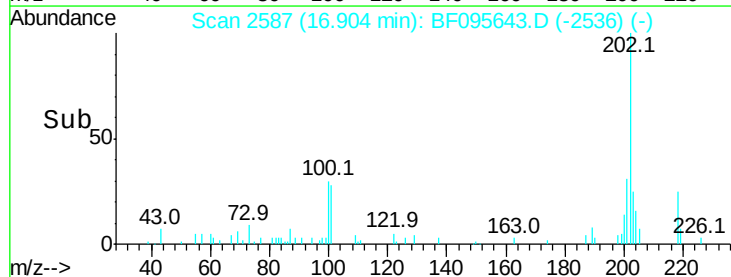
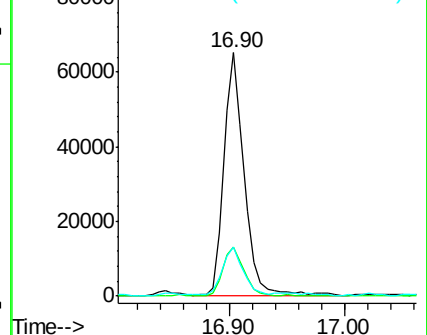
203 20.2 14.4 21.6

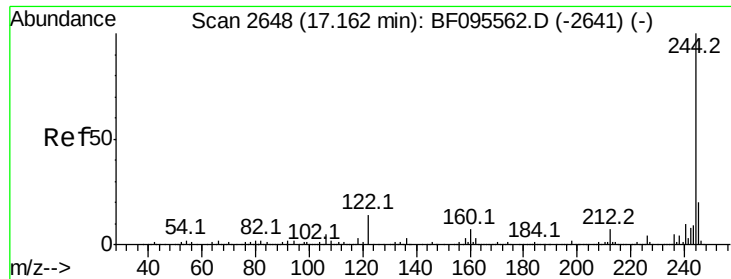


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

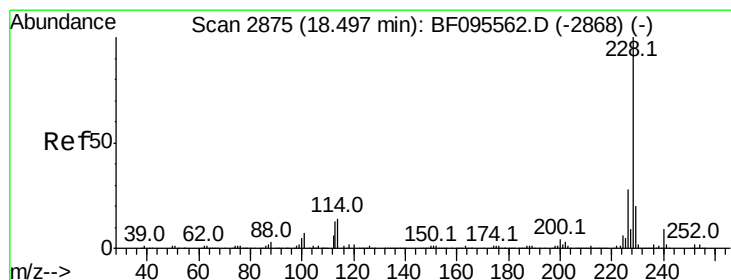
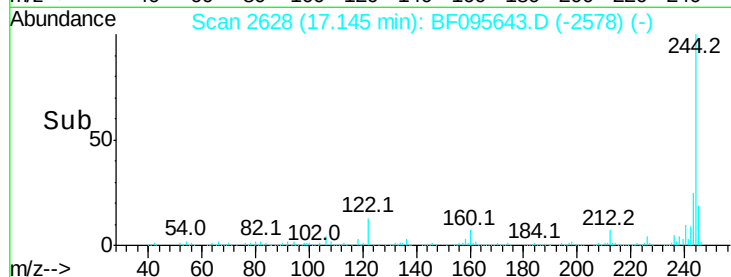
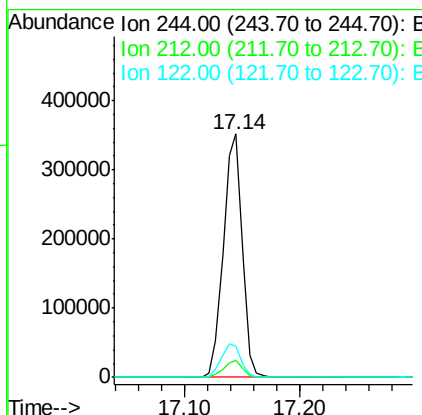
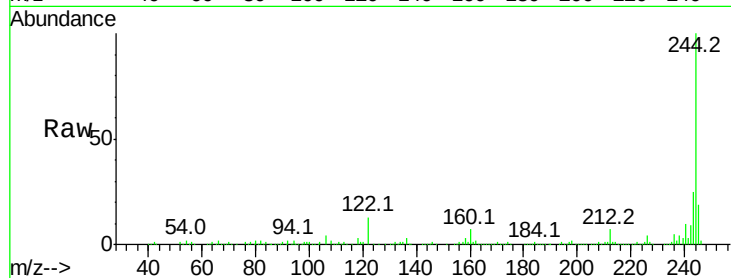




#78
 Terphenyl-d14
 Concen: 51.74 ng
 RT: 17.14 min Scan# 2628
 Delta R.T. -0.01 min
 Lab File: BF095643.D
 Acq: 2 Jun 2017 20:04

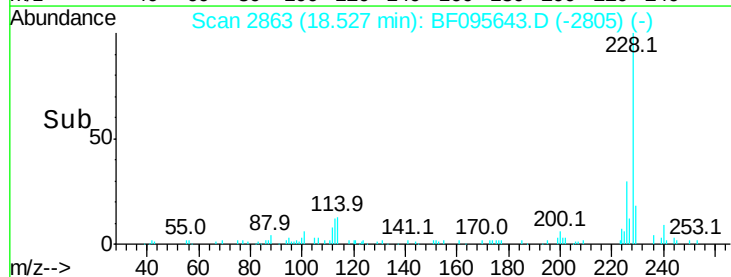
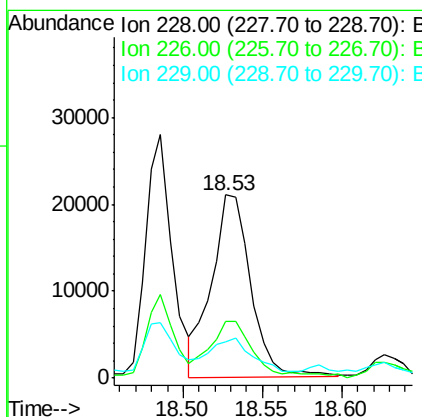
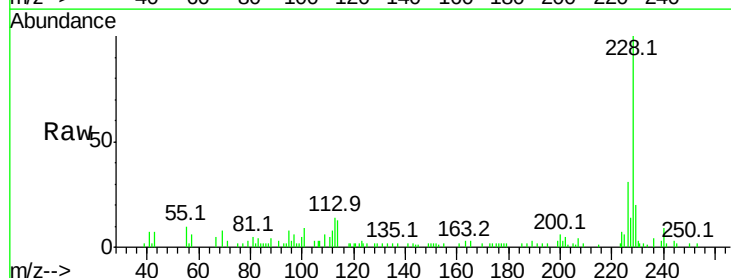
Instrument :
 BNA_F
 ClientSampled :

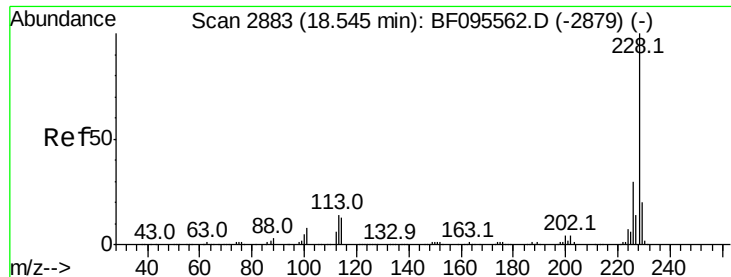
Tot Ion:244 Resp: 397224
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 3.67 ng
 RT: 18.53 min Scan# 2863
 Delta R.T. 0.04 min
 Lab File: BF095643.D
 Acq: 2 Jun 2017 20:04

Tgt Ion:228 Resp: 36092
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.6 33.8
 229 20.0 16.3 24.5





#82

Chrysene

Concen: 3.79 ng

RT: 18.53 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :

BNA_F

ClientSampleId :

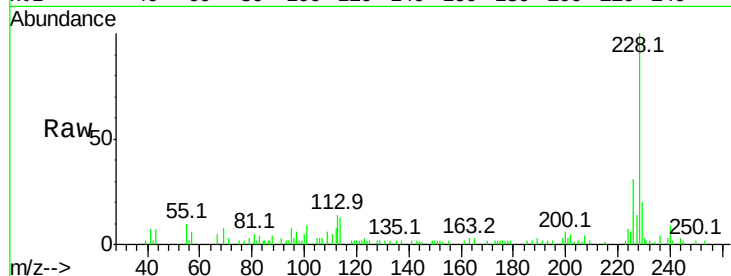
Tot Ion:228 Resp: 36092

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

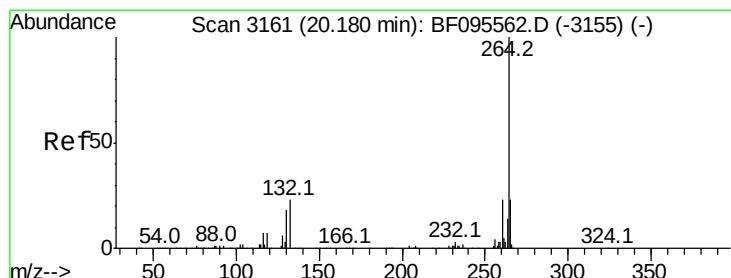
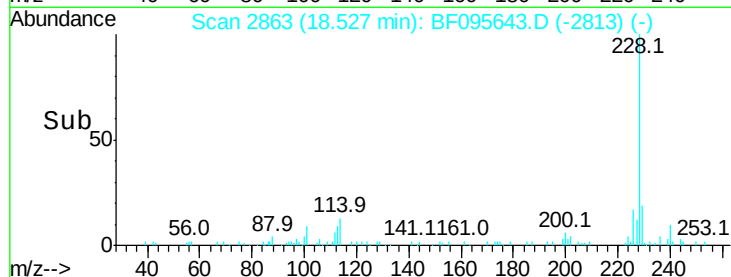
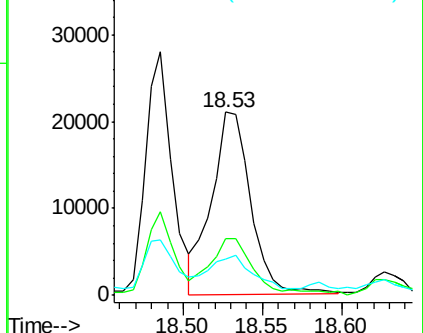
229 20.0 15.8 23.6



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: 20.17 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

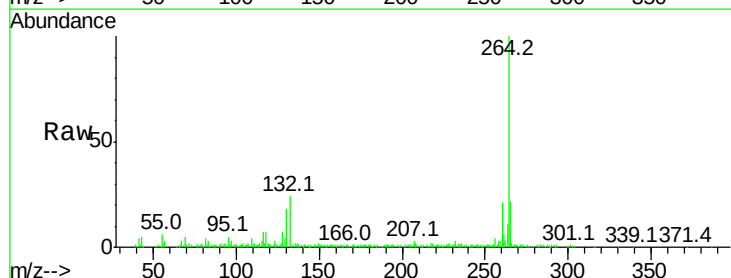
Tgt Ion:264 Resp: 123931

Ion Ratio Lower Upper

264 100

260 21.4 19.5 29.3

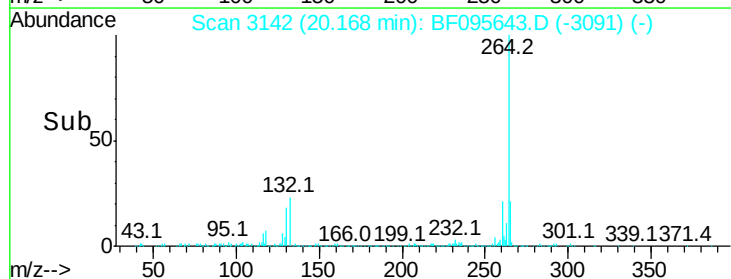
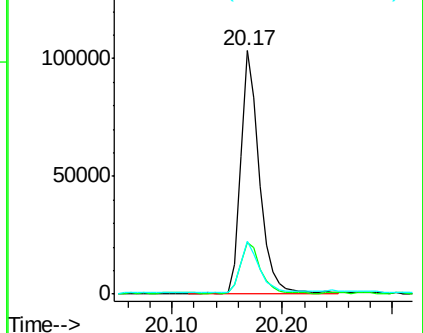
265 21.5 17.2 25.8

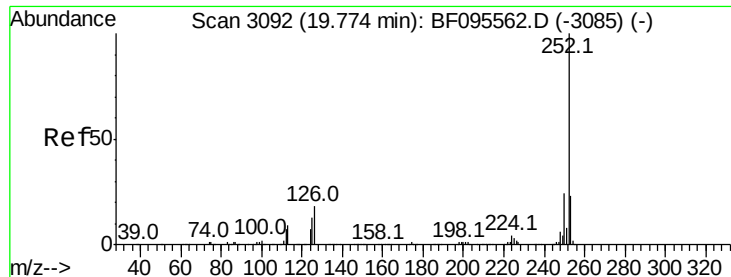


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.83 ng

RT: 19.77 min Scan# 3075

Delta R.T. 0.01 min

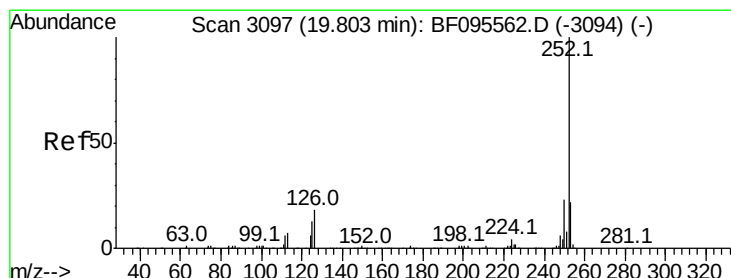
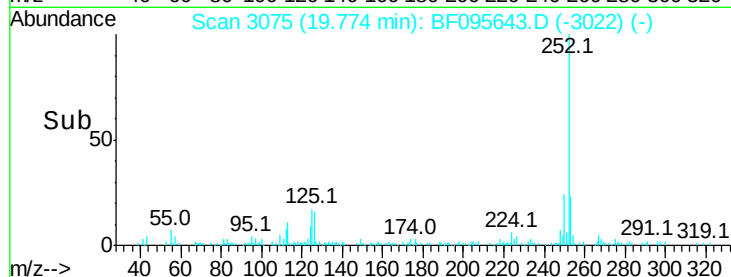
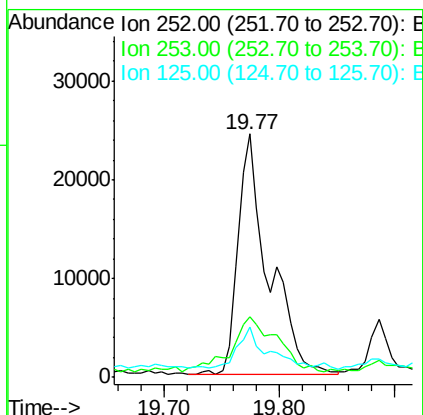
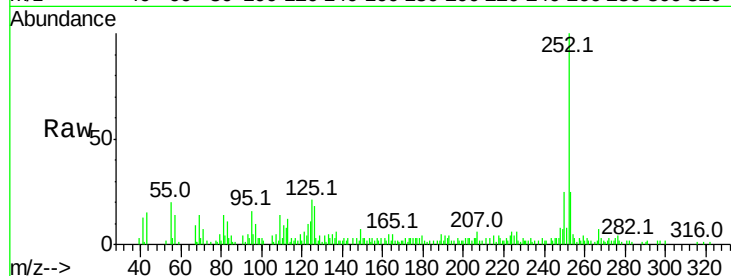
Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 44650

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.1	27.1
125	20.6	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 6.04 ng

RT: 19.77 min Scan# 3075

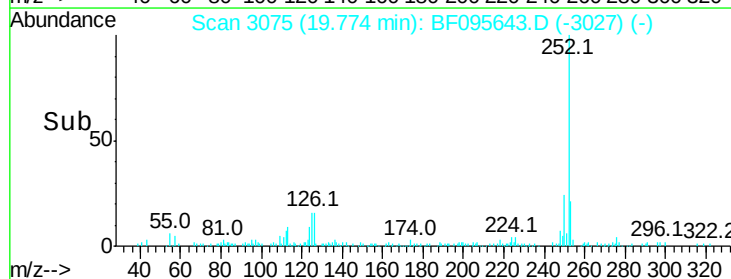
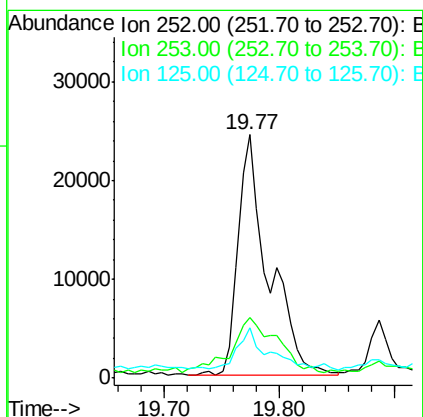
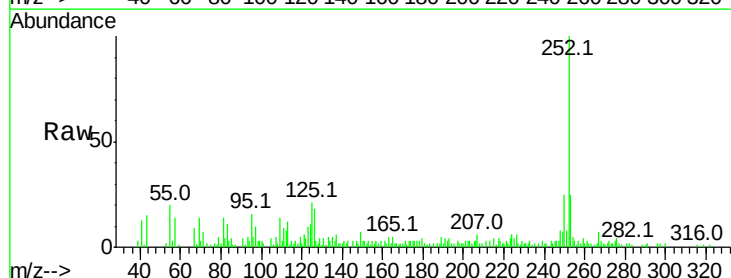
Delta R.T. -0.02 min

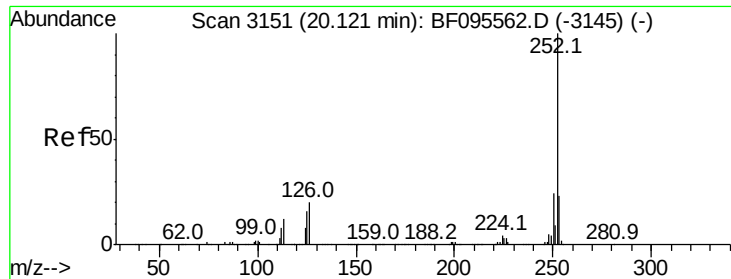
Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Tgt Ion:252 Resp: 44650

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.4	27.6
125	20.6	13.1	19.7





#89

Benzo(a)pyrene

Concen: 3.60 ng

RT: 20.12 min Scan# 3134

Delta R.T. 0.01 min

Lab File: BF095643.D

Acq: 2 Jun 2017 20:04

Instrument :

BNA_F

ClientSampleId :

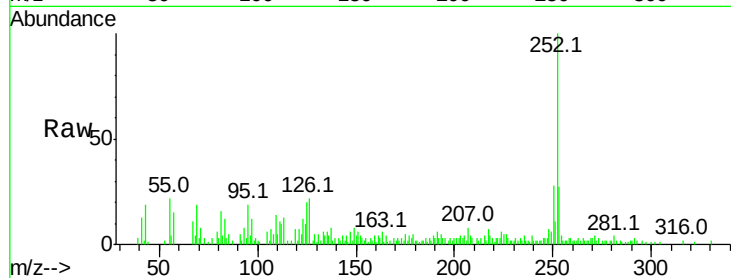
Tot Ion: 252 Resp: 25456

Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

125 19.9 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

