

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061317\
 Data File : BF095907.D
 Acq On : 13 Jun 2017 22:23
 Operator : SJ/MA
 Sample : I3629-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 04:14:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 16:15:31 2017
 Response via : Initial Calibration

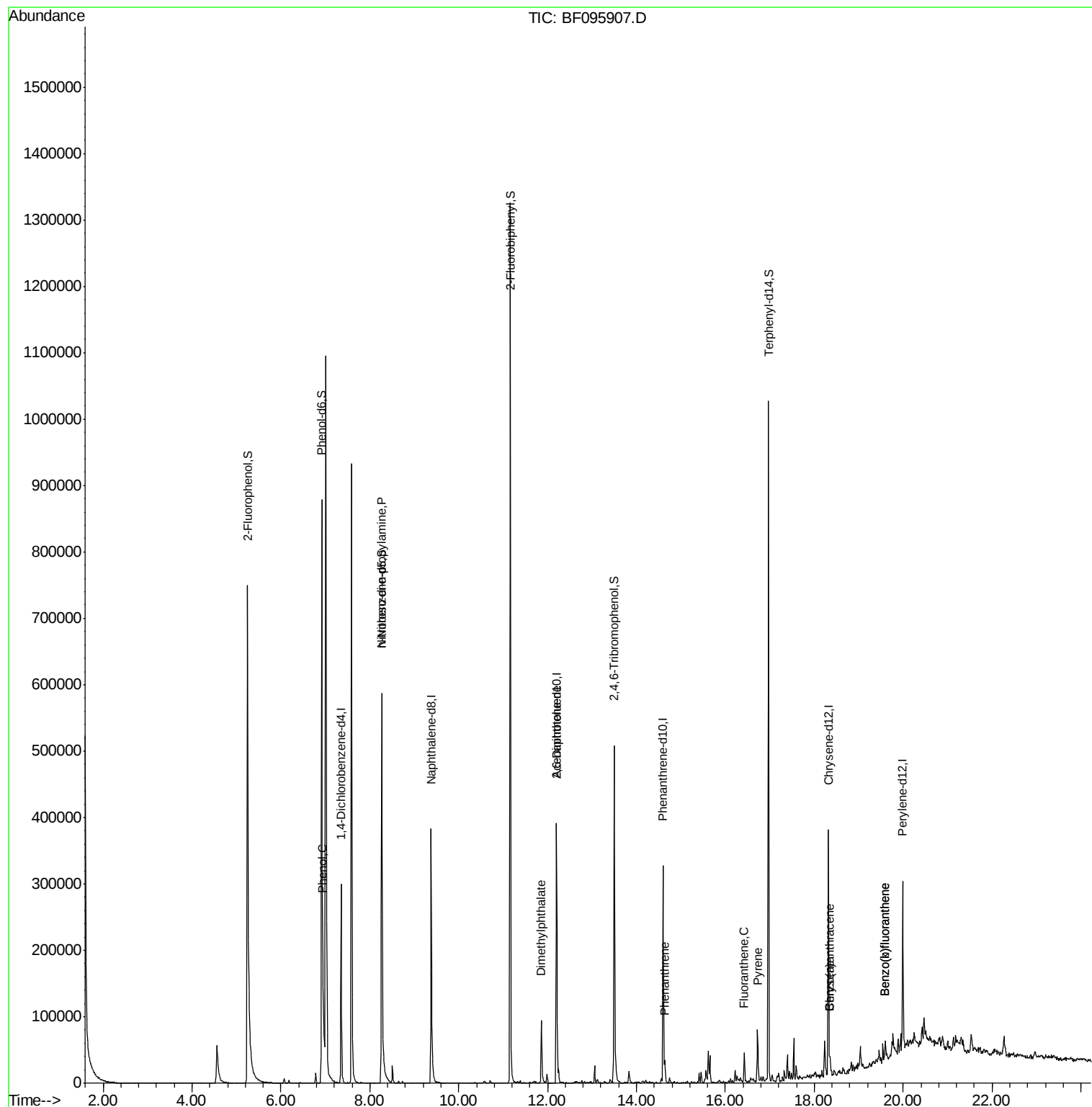
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	74445	20.00	ng	-0.05
21) Naphthalene-d8	9.38	136	290037	20.00	ng	-0.05
38) Acenaphthene-d10	12.20	164	118286	20.00	ng	-0.06
63) Phenanthrene-d10	14.60	188	177970	20.00	ng	-0.05
75) Chrysene-d12	18.32	240	152329	20.00	ng	-0.04
86) Perylene-d12	19.99	264	117840	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	485859	104.00	ng	-0.04
7) Phenol-d6	6.92	99	586058	104.78	ng	-0.04
23) Nitrobenzene-d5	8.27	82	322786	69.12	ng	-0.05
41) 2,4,6-Tribromophenol	13.50	330	93624	89.46	ng	-0.05
44) 2-Fluorobiphenyl	11.16	172	612463	72.05	ng	-0.05
78) Terphenyl-d14	16.97	244	399329	65.06	ng	-0.04
Target Compounds						
10) Phenol	6.94	94	12572	2.17	ng	# 37
19) n-Nitroso-di-n-propylamine	8.27	70	40937	11.55	ng	# 73
49) Dimethylphthalate	11.86	163	70970	7.90	ng	99
50) 2,6-Dinitrotoluene	12.20	165	14970	7.64	ng	# 31
70) Phenanthrene	14.64	178	23647	2.30	ng	97
74) Fluoranthene	16.42	202	26604	2.62	ng	99
77) Pyrene	16.73	202	36829	3.24	ng	98
80) Benzo(a)anthracene	18.36	228	18057	2.04	ng	98
82) Chrysene	18.36	228	18057	2.04	ng	98
87) Benzo(b)fluoranthene	19.60	252	18188	2.46	ng	# 93
88) Benzo(k)fluoranthene	19.60	252	18188	2.58	ng	98

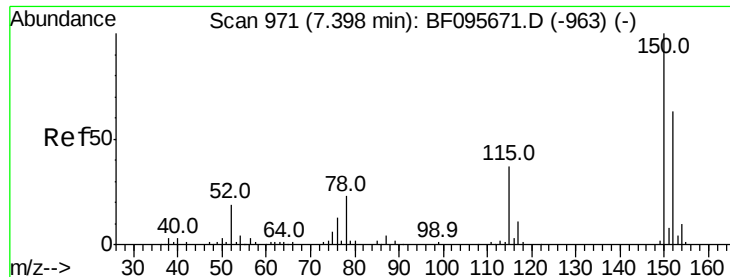
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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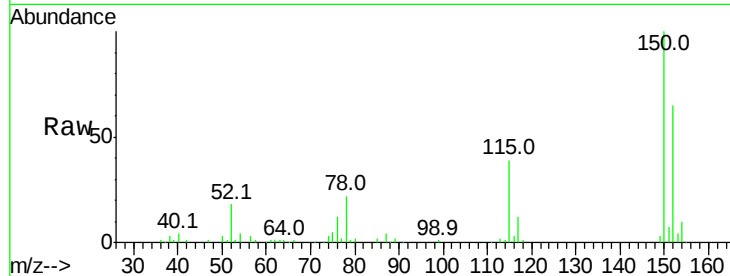


#1

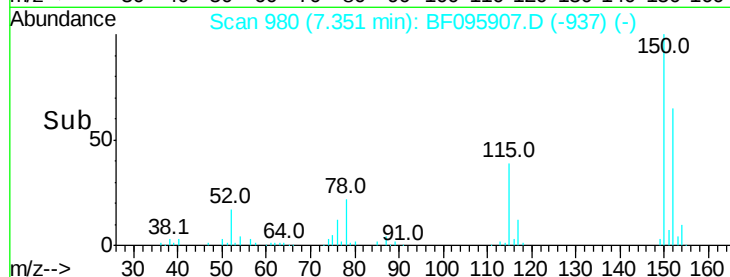
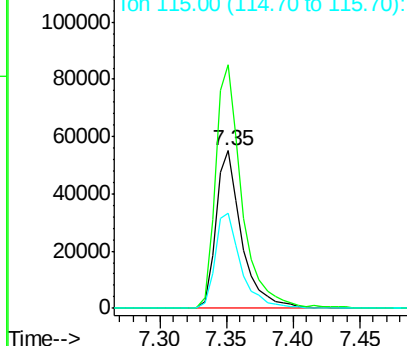
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.35 min Scan# 980
Delta R.T. -0.05 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 74445
Ion Ratio Lower Upper
152 100
150 154.7 126.2 189.2
115 60.2 52.2 78.2



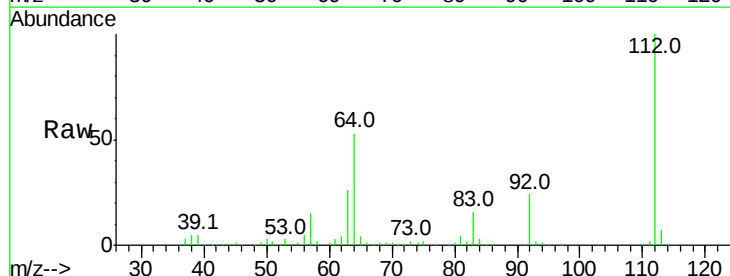
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



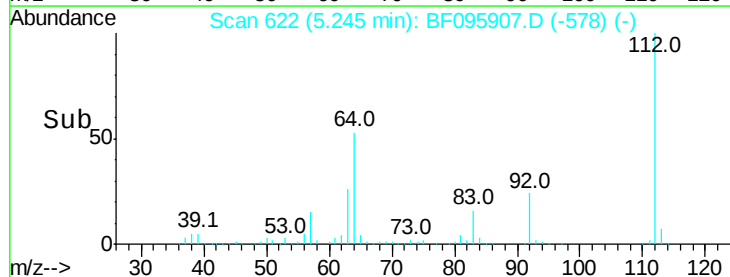
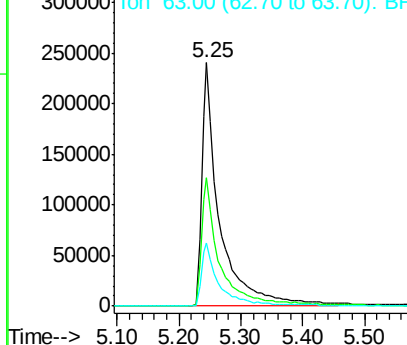
#5

2-Fluorophenol
Concen: 104.00 ng
RT: 5.25 min Scan# 622
Delta R.T. -0.04 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

Tgt Ion:112 Resp: 485859
Ion Ratio Lower Upper
112 100
64 52.7 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: 104.78 ng

RT: 6.92 min Scan# 906

Delta R.T. -0.04 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

Instrument :

BNA_F

ClientSampled :

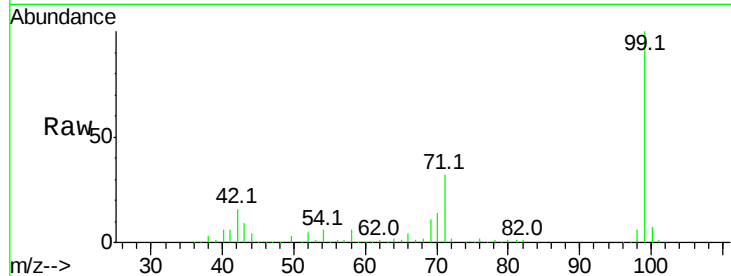
Tot Ion: 99 Resp: 586058

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

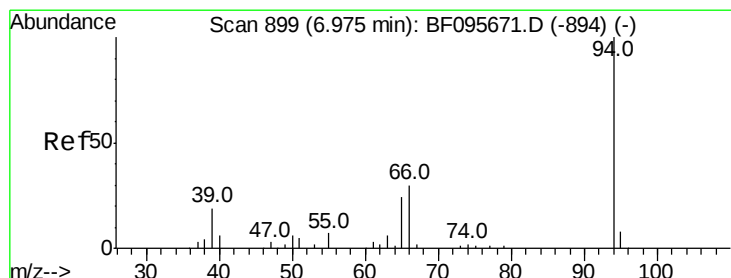
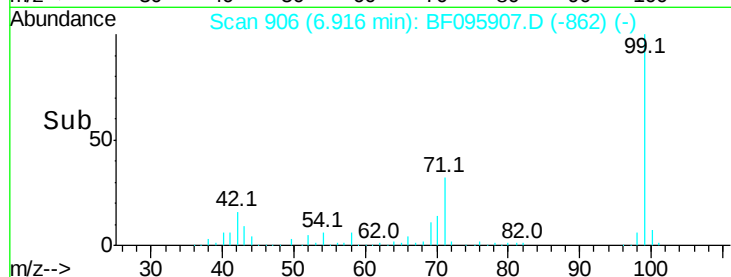
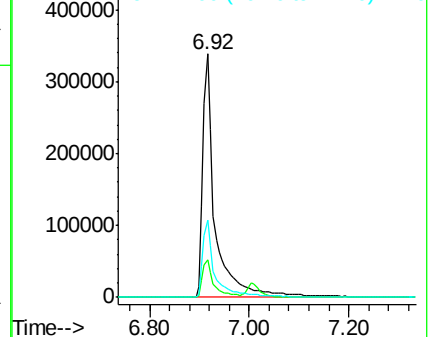
71 31.9 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.17 ng

RT: 6.94 min Scan# 910

Delta R.T. -0.04 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

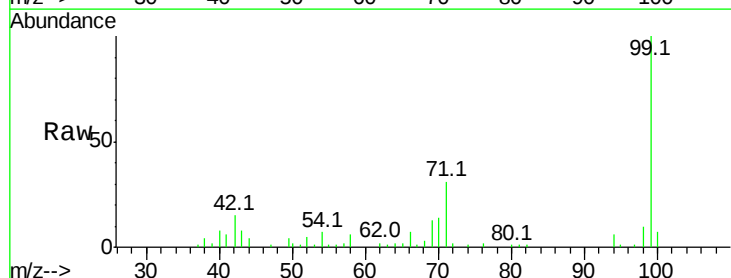
Tgt Ion: 94 Resp: 12572

Ion Ratio Lower Upper

94 100

65 37.6 9.9 49.9

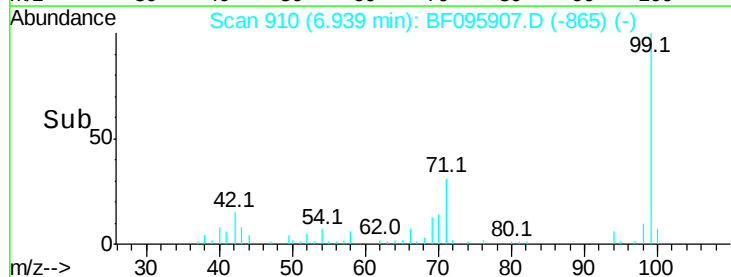
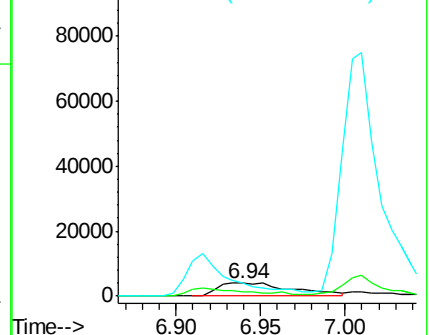
66 104.9 23.1 63.1#

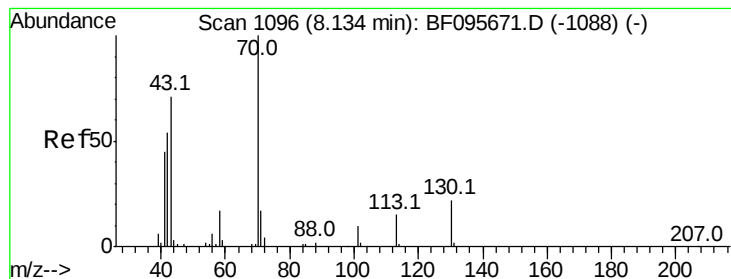


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 11.55 ng

RT: 8.27 min Scan# 1136

Delta R.T. 0.14 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 40937

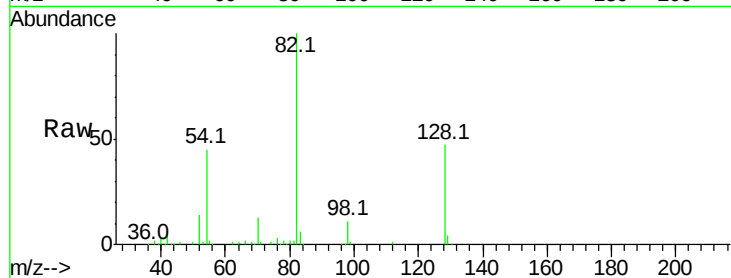
Ion Ratio Lower Upper

70 100

42 41.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

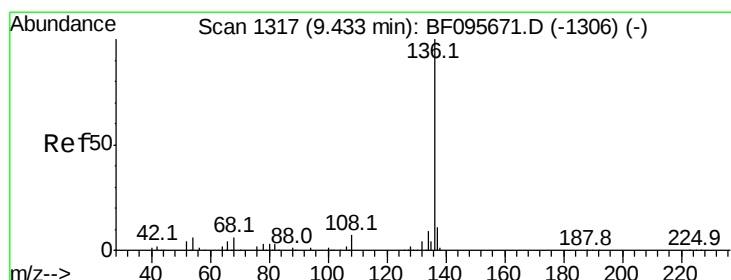
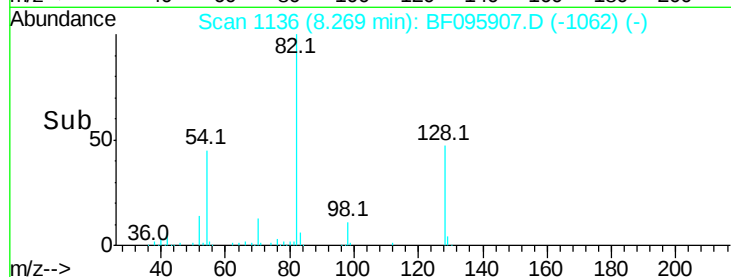
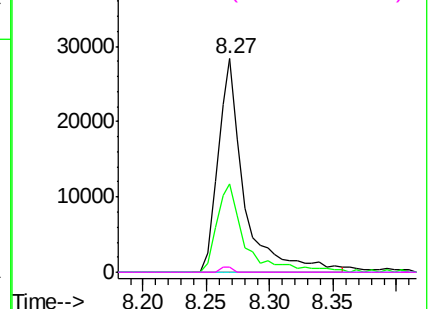


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.38 min Scan# 1325

Delta R.T. -0.05 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

Tgt Ion: 136 Resp: 290037

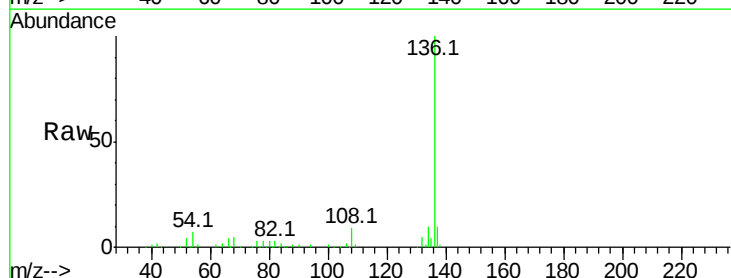
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 7.1 4.9 7.3

68 5.4 4.1 6.1

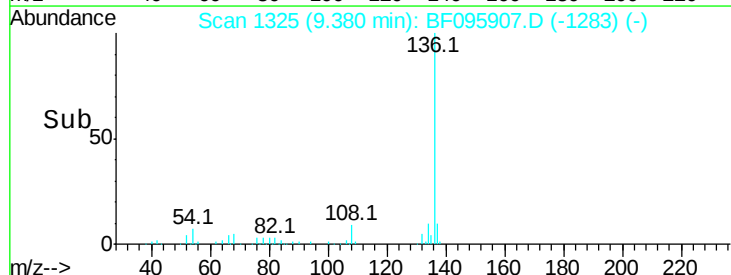
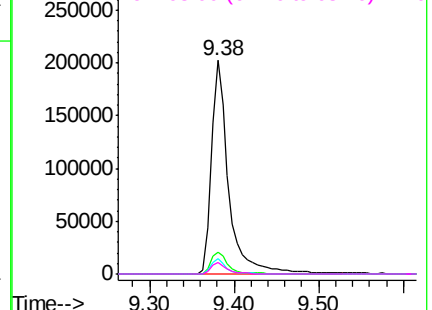


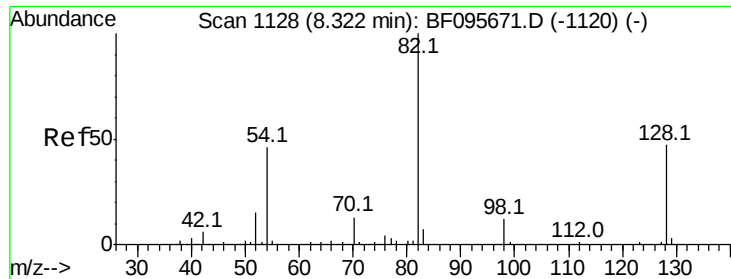
Abundance Ion 136.00 (135.70 to 136.70): BF0

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

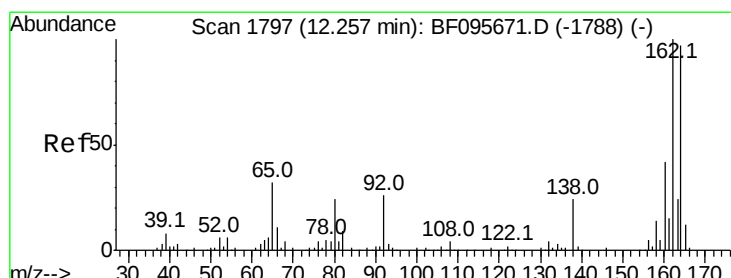
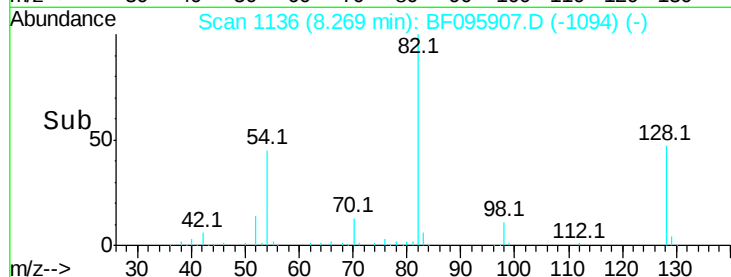
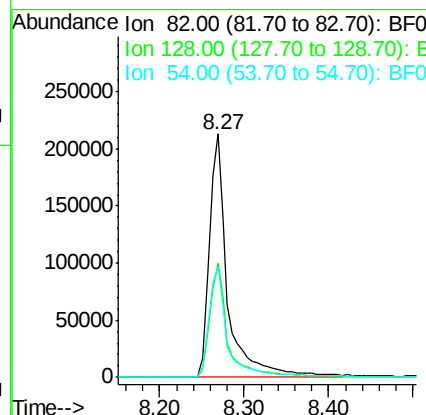
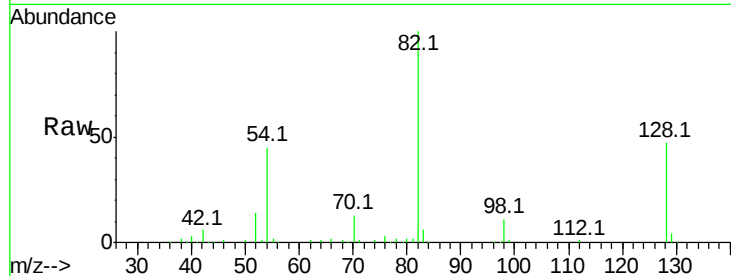




#23
Nitrobenzene-d5
Concen: 69.12 ng
RT: 8.27 min Scan# 1136
Delta R.T. -0.05 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

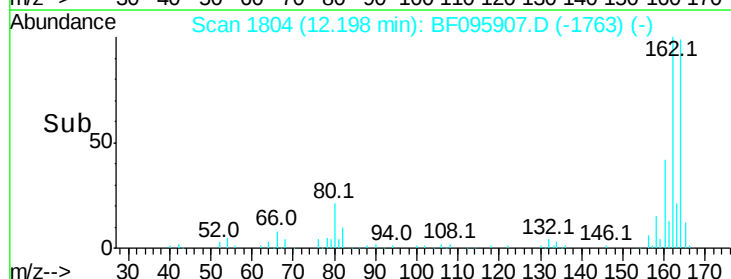
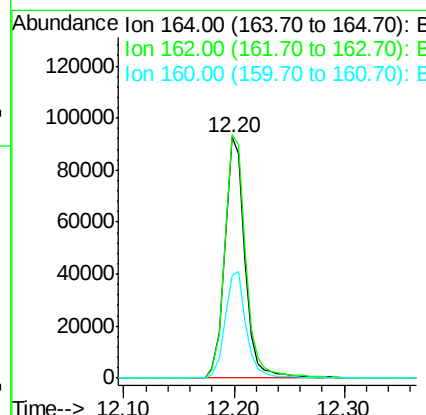
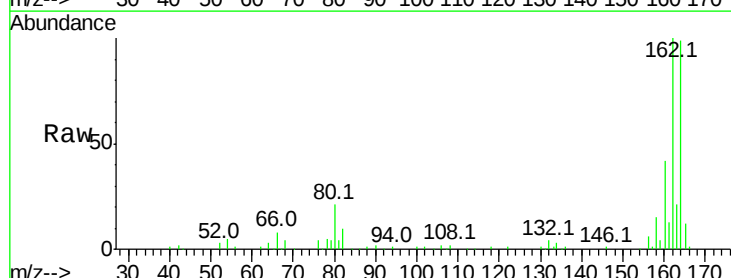
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 322786
Ion Ratio Lower Upper
82 100
128 47.1 34.0 51.0
54 45.5 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.20 min Scan# 1804
Delta R.T. -0.06 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

Tgt Ion:164 Resp: 118286
Ion Ratio Lower Upper
164 100
162 101.3 82.6 123.8
160 42.8 36.2 54.2

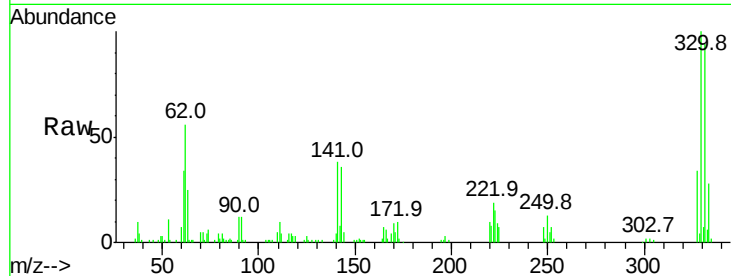




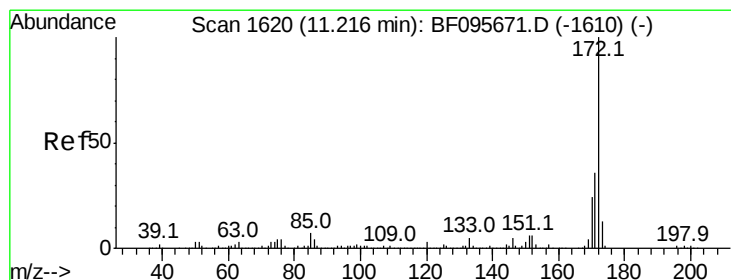
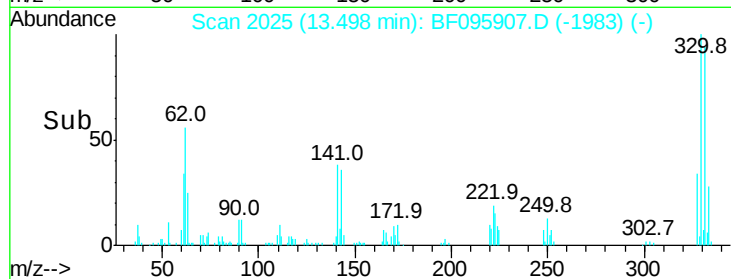
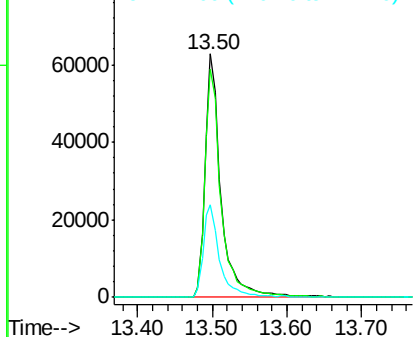
#41
 2,4,6-Tribromophenol
 Concen: 89.46 ng
 RT: 13.50 min Scan# 2025
 Delta R.T. -0.05 min
 Lab File: BF095907.D
 Acq: 13 Jun 2017 22:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 93624
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 115.0
 141 38.9 31.4 47.2

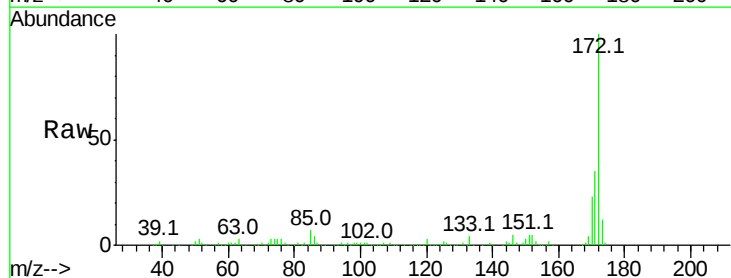


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

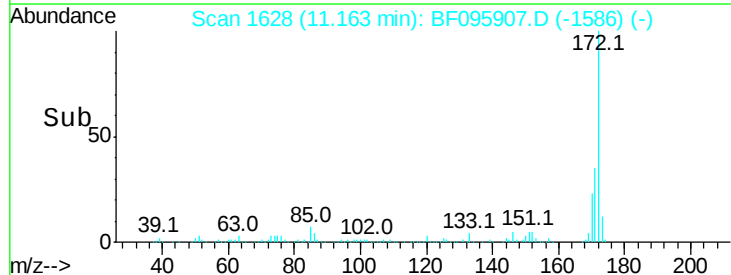
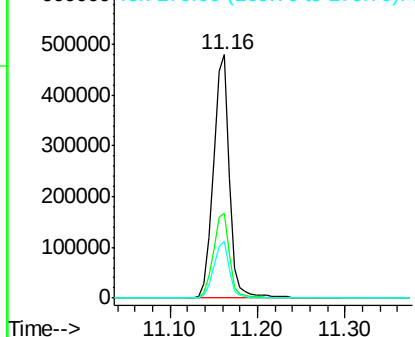


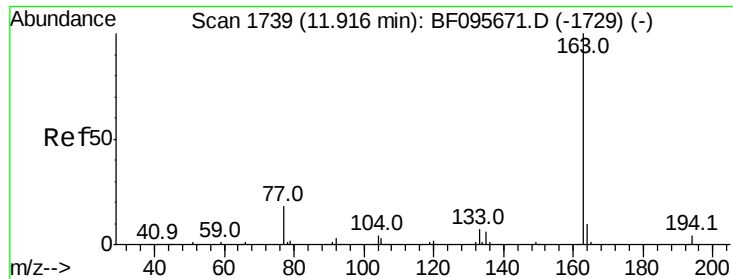
#44
 2-Fluorobiphenyl
 Concen: 72.05 ng
 RT: 11.16 min Scan# 1628
 Delta R.T. -0.05 min
 Lab File: BF095907.D
 Acq: 13 Jun 2017 22:23

Tgt Ion:172 Resp: 612463
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 23.3 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: 7.90 ng

RT: 11.86 min Scan# 1746

Delta R.T. -0.06 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

Instrument :

BNA_F

ClientSampleId :

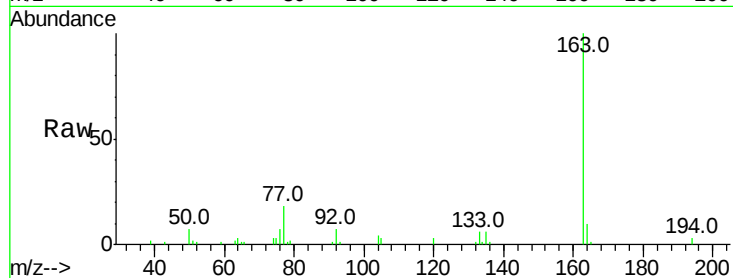
Tot Ion:163 Resp: 70970

Ion Ratio Lower Upper

163 100

194 3.0 2.6 4.0

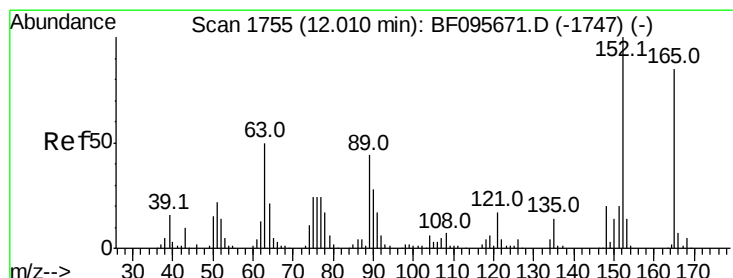
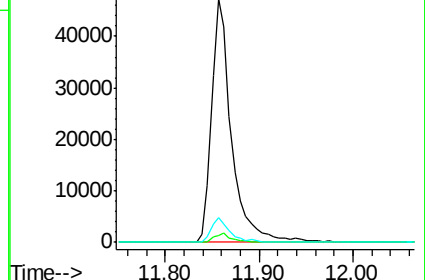
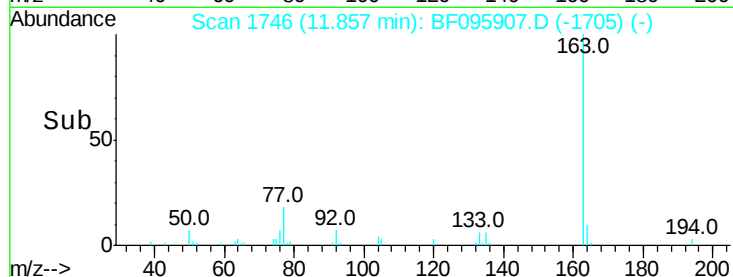
164 10.3 8.4 12.6



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



#50

2,6-Dinitrotoluene

Concen: 7.64 ng

RT: 12.20 min Scan# 1804

Delta R.T. 0.19 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

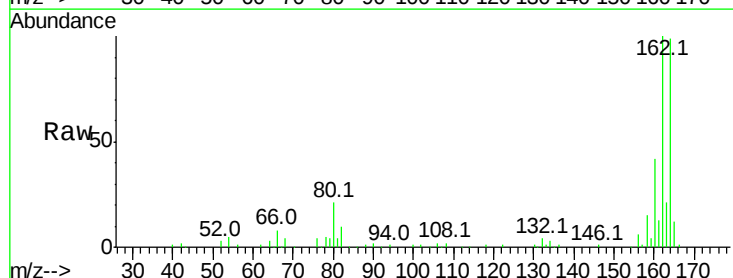
Tgt Ion:165 Resp: 14970

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

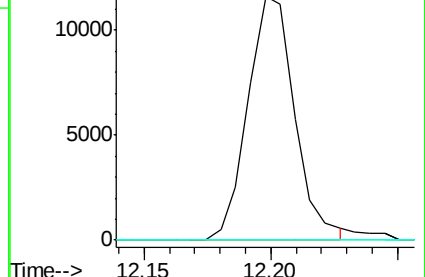
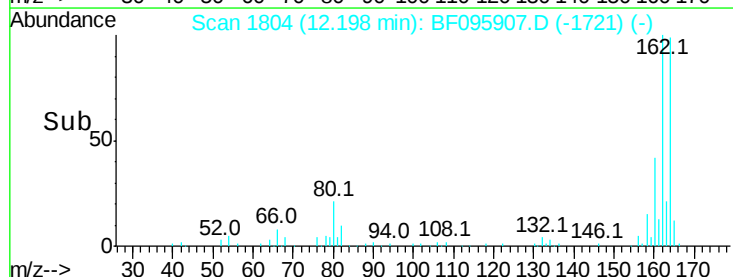
89 0.0 37.1 55.7#

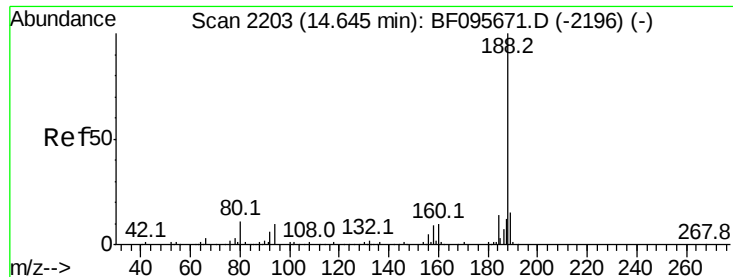


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

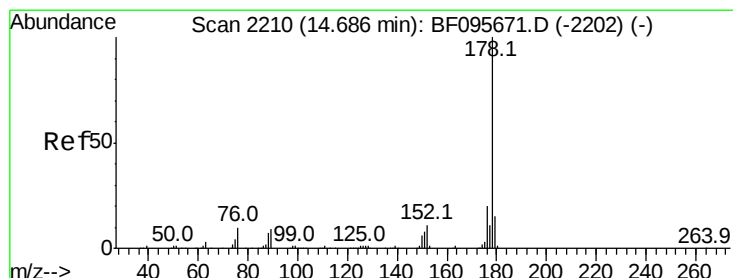
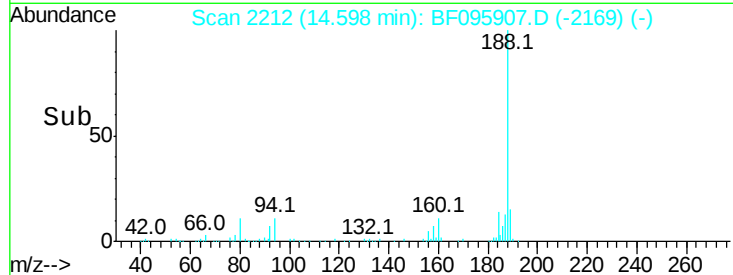
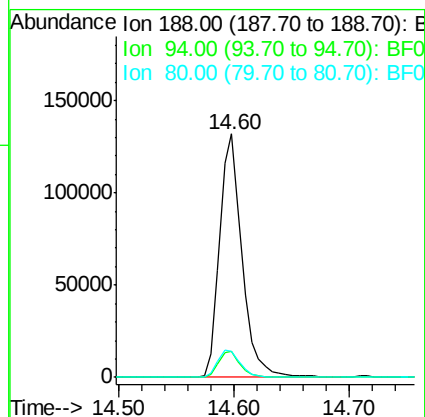
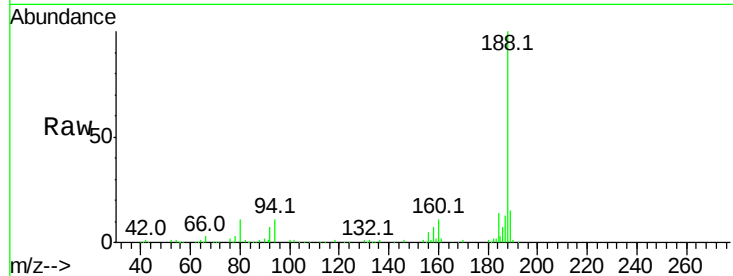




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.60 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

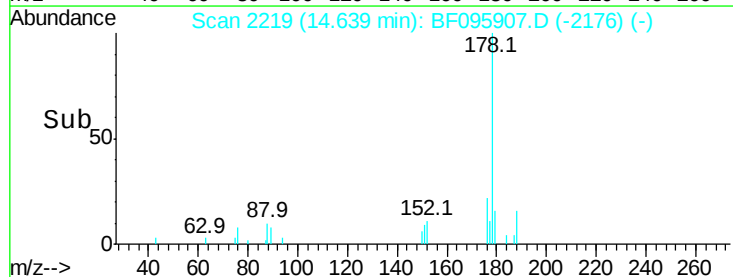
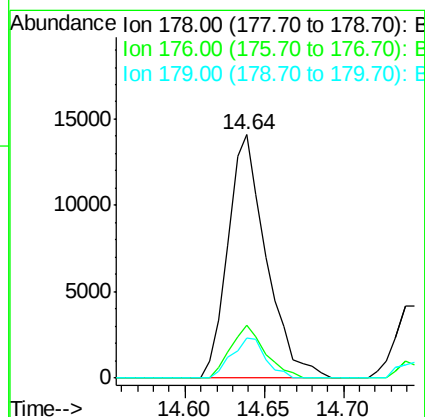
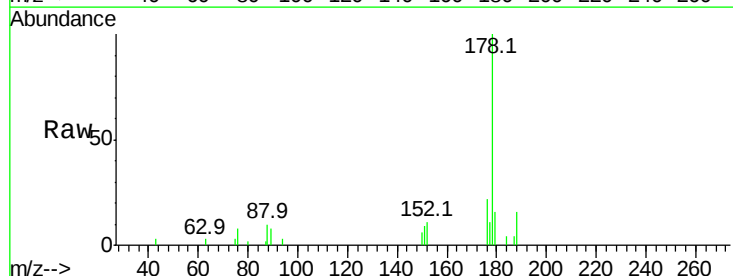
Instrument :
BNA_F
ClientSampleId :

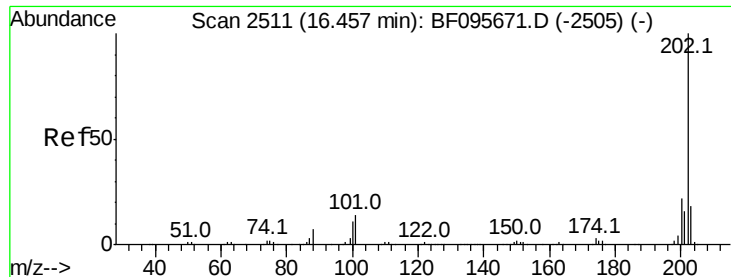
Tot Ion:188 Resp: 177970
Ion Ratio Lower Upper
188 100
94 10.8 9.4 14.2
80 10.7 10.2 15.2



#70
Phenanthrene
Concen: 2.30 ng
RT: 14.64 min Scan# 2219
Delta R.T. -0.05 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

Tgt Ion:178 Resp: 23647
Ion Ratio Lower Upper
178 100
176 21.8 16.2 24.4
179 16.5 12.6 19.0

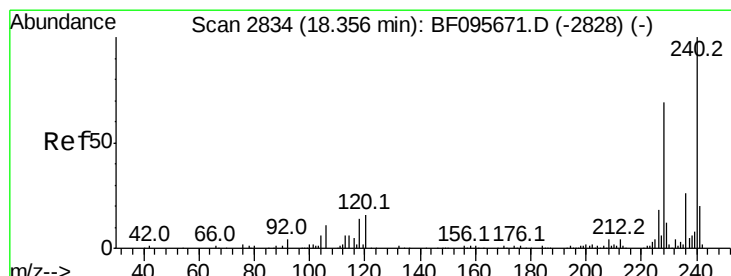
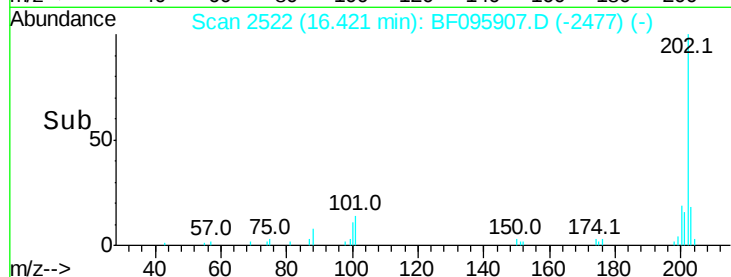
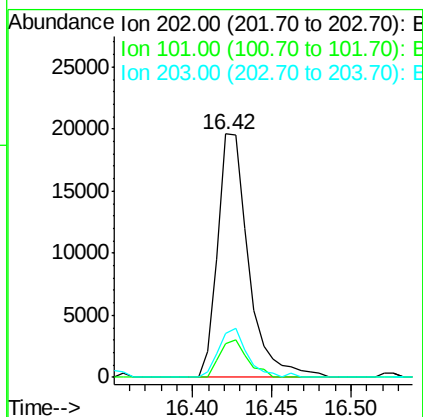
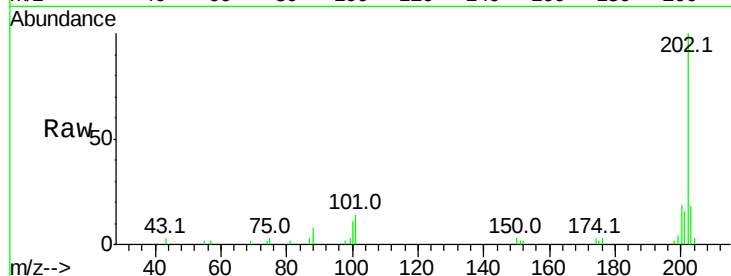




#74
 Fluoranthene
 Concen: 2.62 ng
 RT: 16.42 min Scan# 2522
 Delta R.T. -0.04 min
 Lab File: BF095907.D
 Acq: 13 Jun 2017 22:23

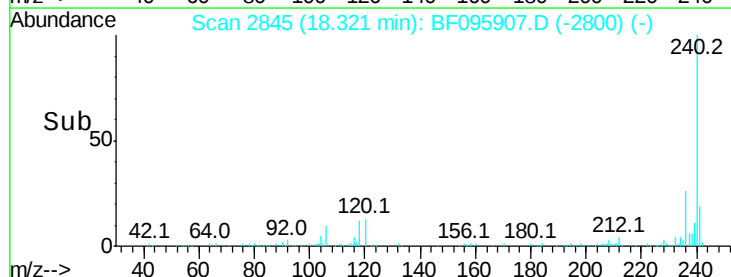
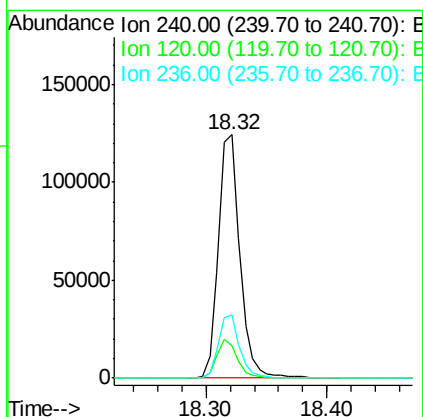
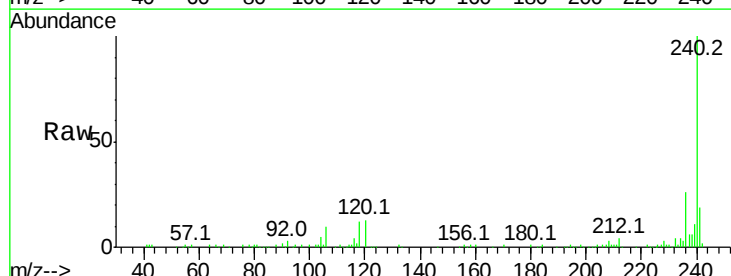
Instrument :
 BNA_F
 ClientSampleId :

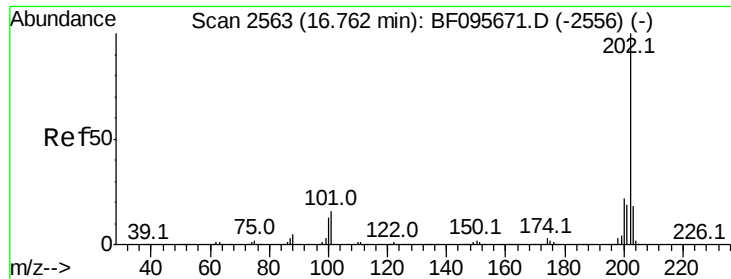
Tot Ion:202 Resp: 26604
 Ion Ratio Lower Upper
 202 100
 101 13.9 0.0 33.2
 203 18.3 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.32 min Scan# 2845
 Delta R.T. -0.04 min
 Lab File: BF095907.D
 Acq: 13 Jun 2017 22:23

Tgt Ion:240 Resp: 152329
 Ion Ratio Lower Upper
 240 100
 120 13.1 5.8 8.8#
 236 25.7 20.5 30.7

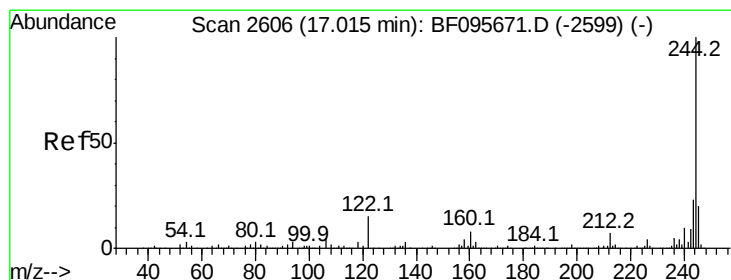
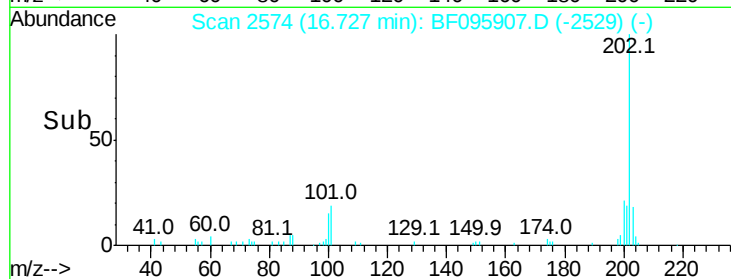
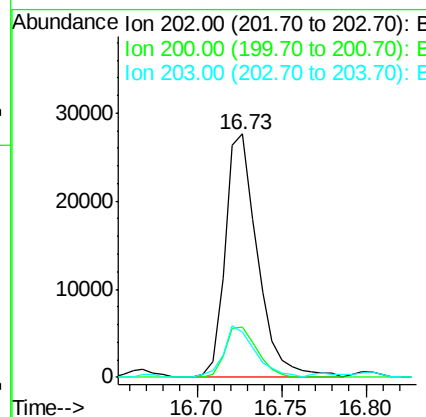
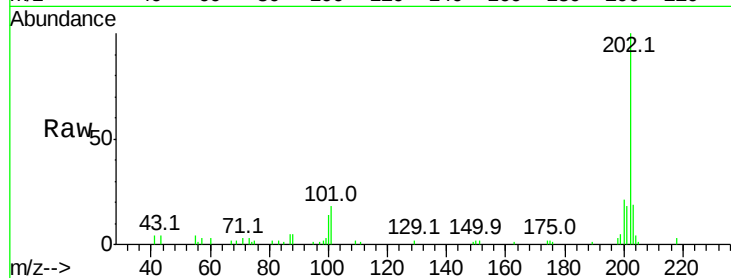




#77
Pvrene
Concen: 3.24 ng
RT: 16.73 min Scan# 2574
Delta R.T. -0.04 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

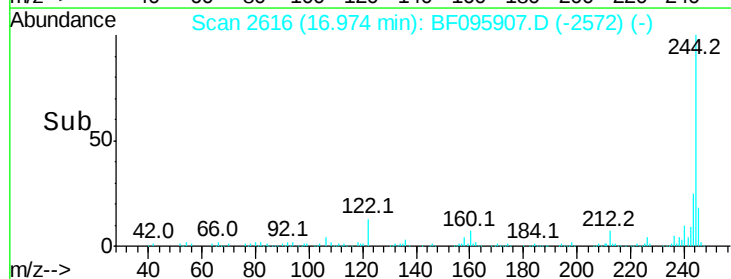
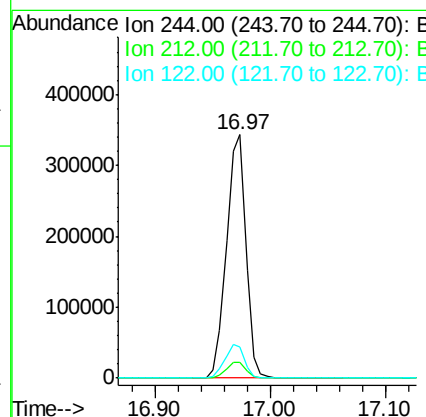
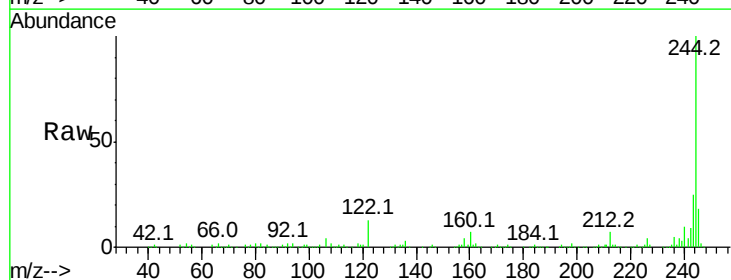
Instrument :
BNA_F
ClientSampleId :

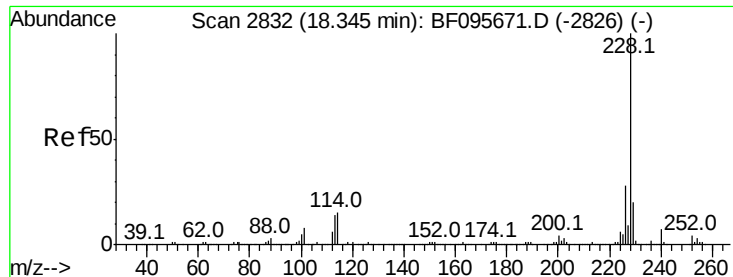
Tot Ion:202 Resp: 36829
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 18.7 14.4 21.6



#78
Terphenyl-d14
Concen: 65.06 ng
RT: 16.97 min Scan# 2616
Delta R.T. -0.04 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

Tgt Ion:244 Resp: 399329
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 12.6 10.3 15.5





#80

Benzo(a)anthracene

Concen: 2.04 ng

RT: 18.36 min Scan# 2851

Delta R.T. 0.01 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

Instrument :

BNA_F

ClientSampleId :

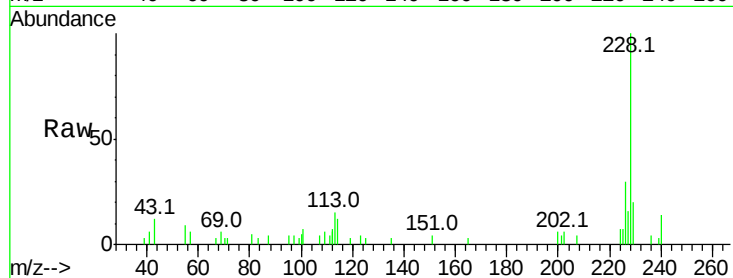
Tot Ion:228 Resp: 18057

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

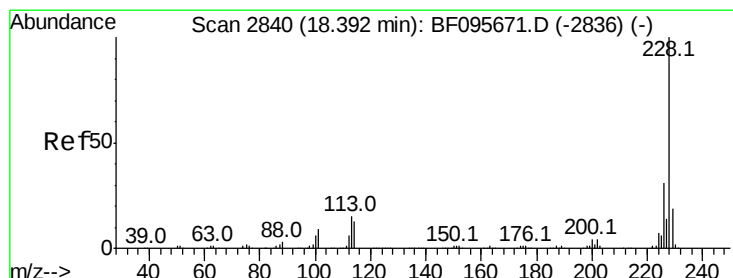
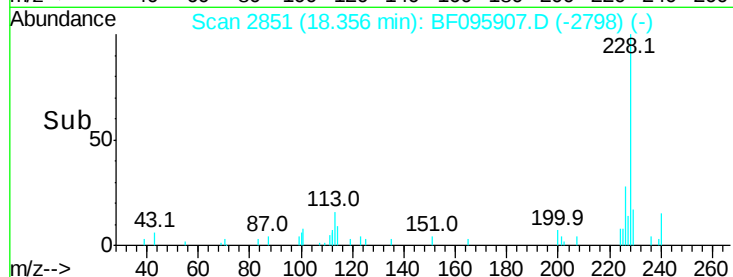
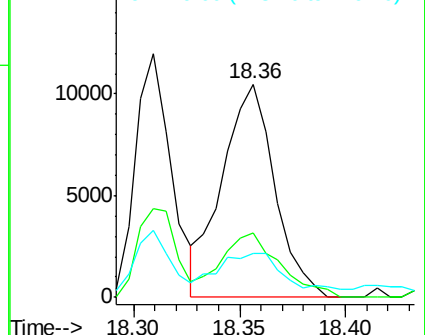
229 20.4 16.3 24.5



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: 2.04 ng

RT: 18.36 min Scan# 2851

Delta R.T. -0.04 min

Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

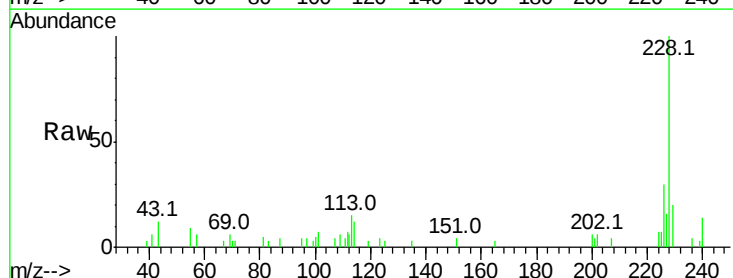
Tgt Ion:228 Resp: 18057

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

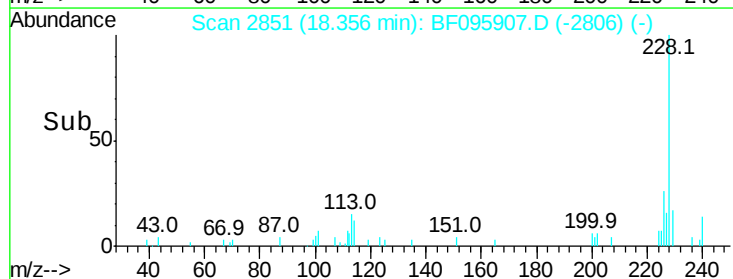
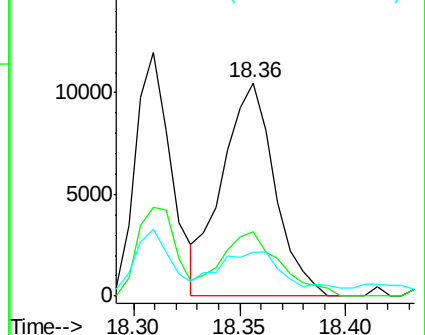
229 20.4 15.8 23.6

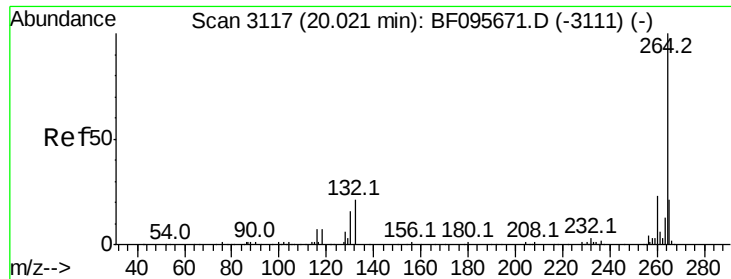


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

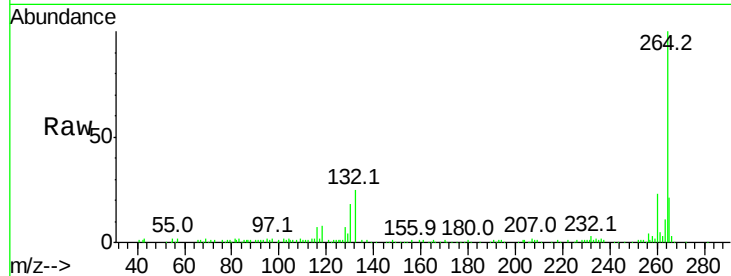




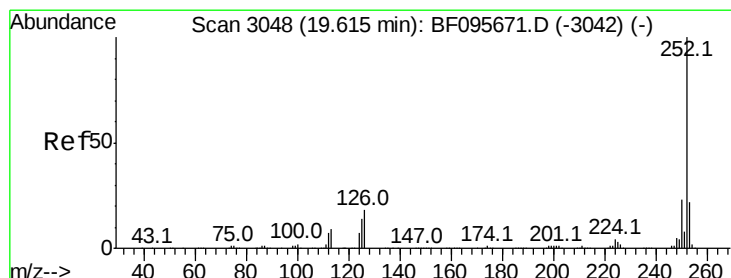
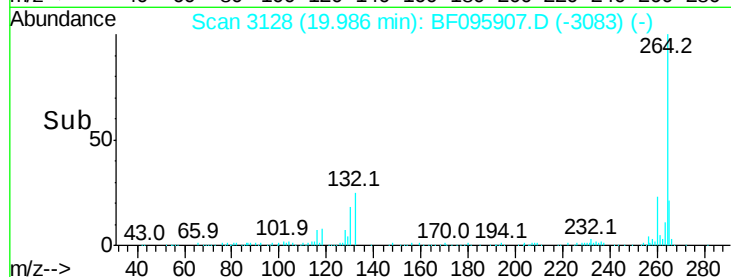
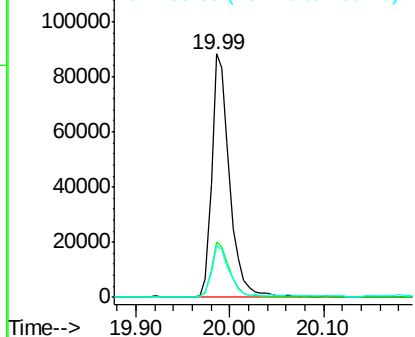
#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.99 min Scan# 3128
Delta R.T. -0.04 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 117840
Ion Ratio Lower Upper
264 100
260 22.5 19.5 29.3
265 21.2 17.2 25.8

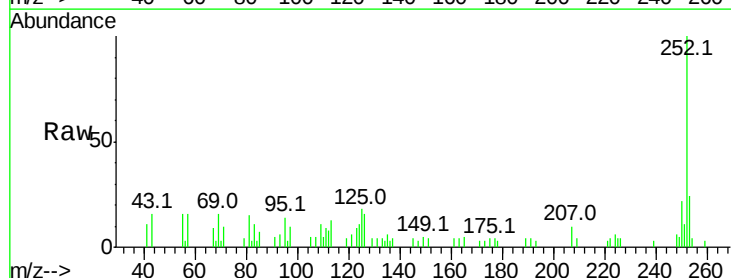


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

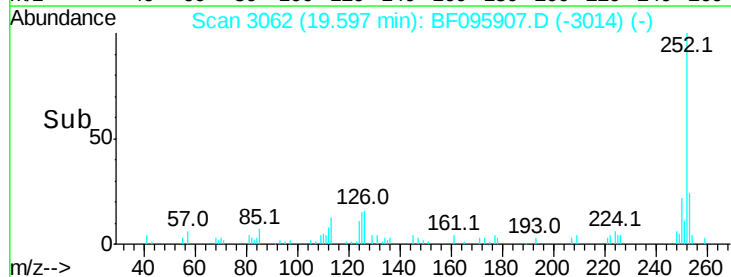
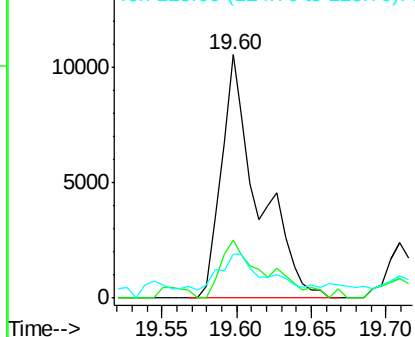


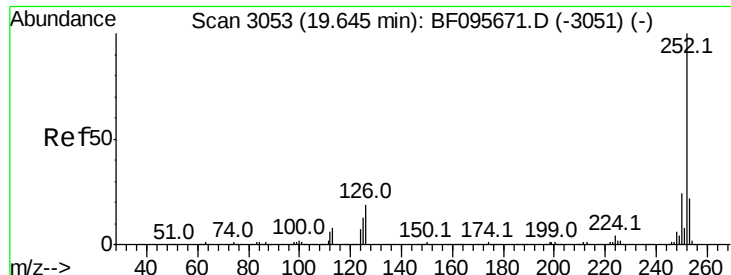
#87
Benzo(b)fluoranthene
Concen: 2.46 ng
RT: 19.60 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095907.D
Acq: 13 Jun 2017 22:23

Tgt Ion:252 Resp: 18188
Ion Ratio Lower Upper
252 100
253 23.6 18.1 27.1
125 18.1 9.8 14.8#



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





#88

Benzo(k)fluoranthene

Concen: 2.58 ng

RT: 19.60 min Scan# 3062

Delta R.T. -0.05 min

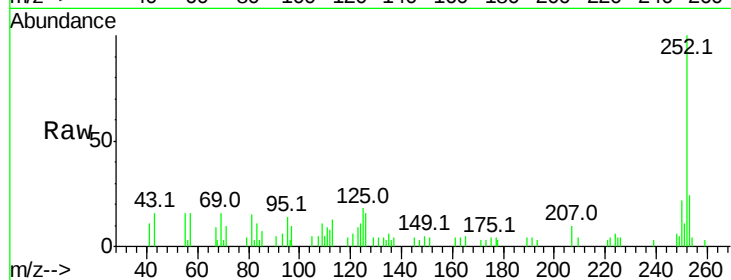
Lab File: BF095907.D

Acq: 13 Jun 2017 22:23

Instrument :

BNA_F

ClientSampleId :



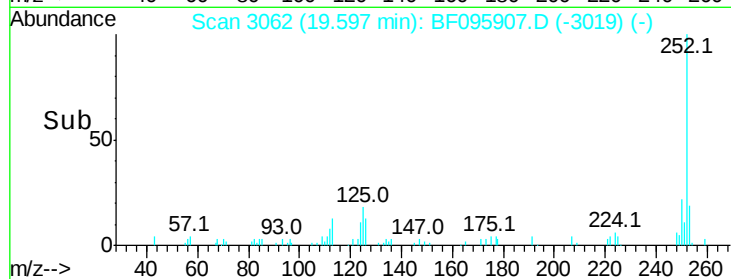
Tot Ion:252 Resp: 18188

Ion Ratio Lower Upper

252 100

253 23.6 18.4 27.6

125 18.1 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

