

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095548.D
 Acq On : 30 May 2017 22:01
 Operator : SJ/MA
 Sample : I3302-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:43:20 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

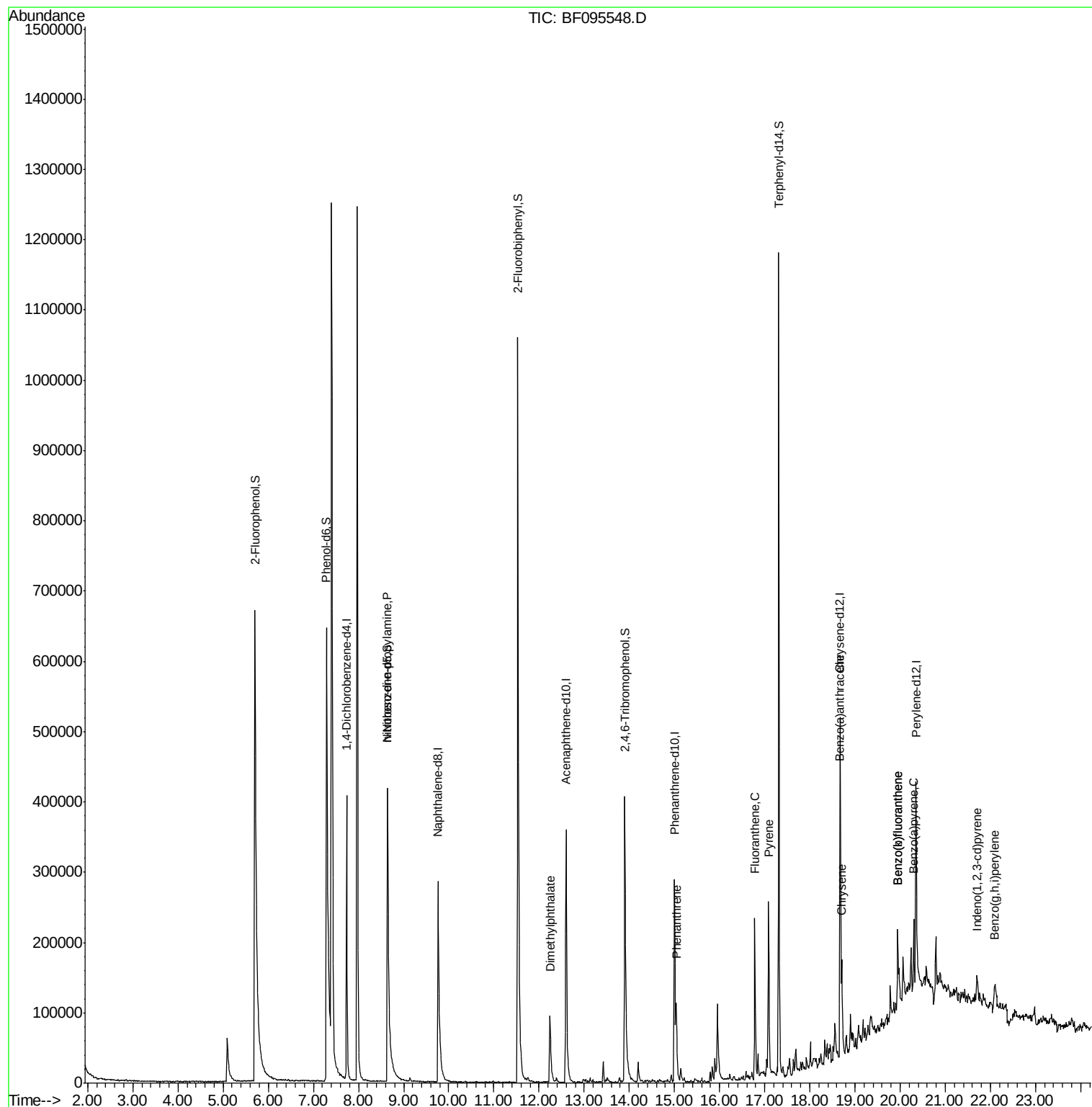
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	91994	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	354921	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	136802	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	204452	20.00	ng	0.00
75) Chrysene-d12	18.68	240	201909	20.00	ng	0.00
86) Perylene-d12	20.35	264	145946	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	615141	111.48	ng	0.00
7) Phenol-d6	7.29	99	727442	109.88	ng	0.00
23) Nitrobenzene-d5	8.64	82	396671	70.48	ng	-0.01
41) 2,4,6-Tribromophenol	13.90	330	102136	91.16	ng	0.00
44) 2-Fluorobiphenyl	11.54	172	720401	75.80	ng	0.00
78) Terphenyl-d14	17.31	244	463722	50.59	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	43062	9.62	ng	Qvalue # 73
49) Dimethylphthalate	12.24	163	101892	9.07	ng	99
70) Phenanthrene	15.04	178	68263	5.81	ng	99
74) Fluoranthene	16.78	202	134660	11.17	ng	97
77) Pyrene	17.09	202	131122	8.68	ng	97
80) Benzo(a)anthracene	18.66	228	59430	5.06	ng	96
82) Chrysene	18.71	228	61275	5.39	ng	96
85) Indeno(1,2,3-cd)pyrene	21.70	276	19536	2.12	ng	98
87) Benzo(b)fluoranthene	19.95	252	86907	9.64	ng	# 96
88) Benzo(k)fluoranthene	19.95	252	86907	9.99	ng	100
89) Benzo(a)pyrene	20.30	252	43216	5.19	ng	# 92
91) Benzo(a,h,i)perylene	22.09	276	24646	3.65	ng	96

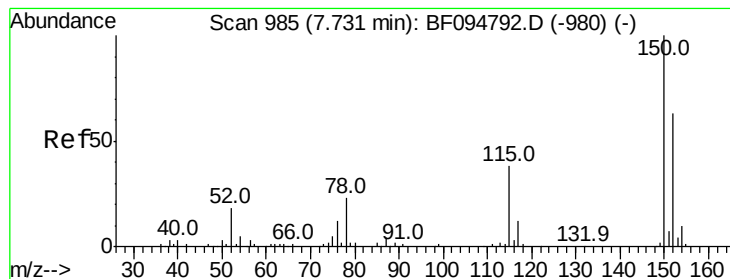
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF095548.D

Acq: 30 May 2017 22:01

Instrument :

BNA_F

ClientSampleId :

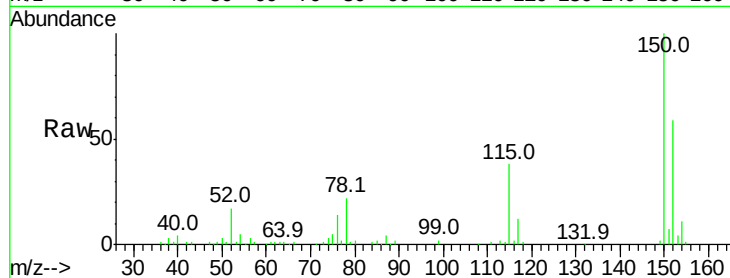
Tot Ion:152 Resp: 91994

Ion Ratio Lower Upper

152 100

150 168.1 126.2 189.2

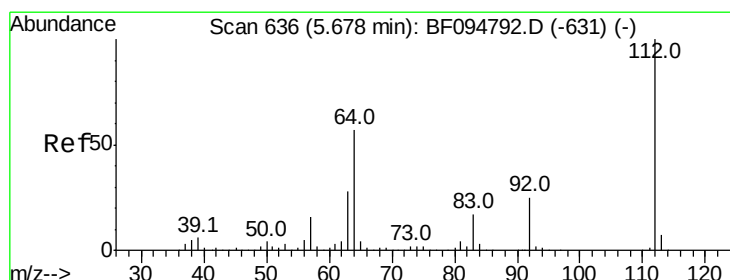
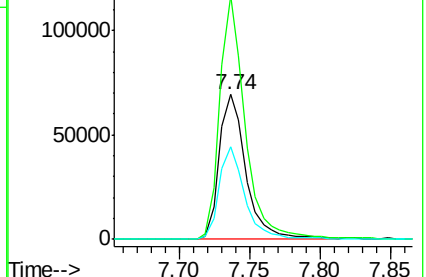
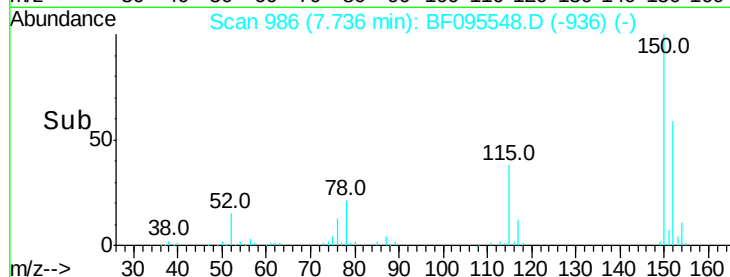
115 63.7 52.2 78.2



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: 111.48 ng

RT: 5.71 min Scan# 641

Delta R.T. -0.00 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

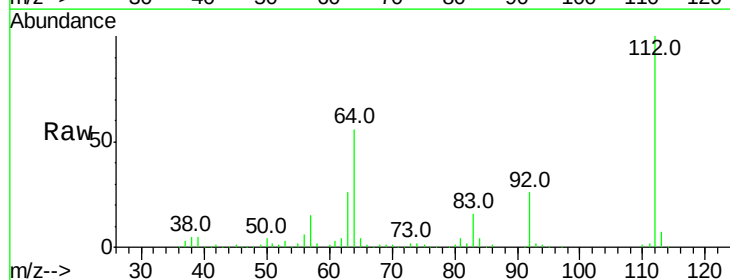
Tgt Ion:112 Resp: 615141

Ion Ratio Lower Upper

112 100

64 56.3 46.0 69.0

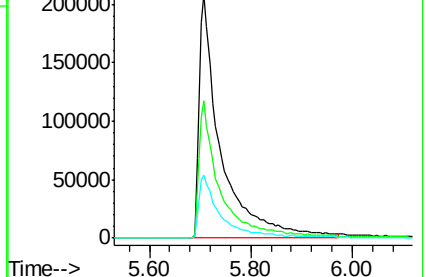
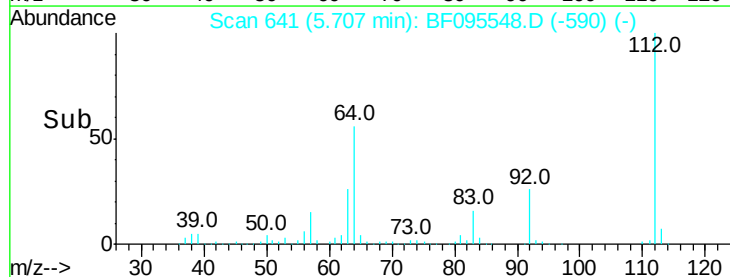
63 26.1 23.4 35.0

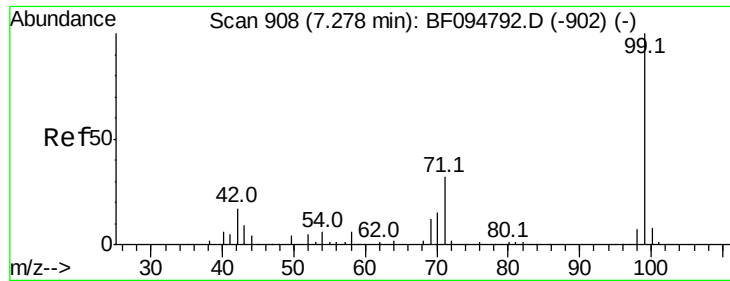


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 109.88 ng

RT: 7.29 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

Instrument :

BNA_F

ClientSampleId :

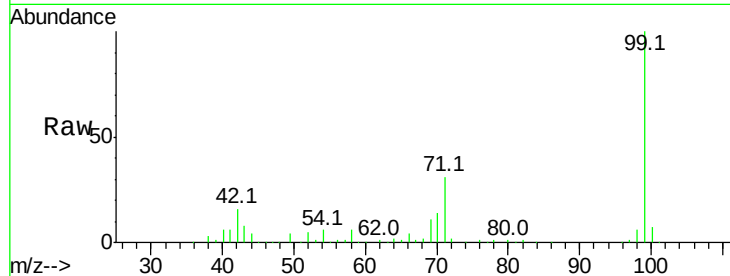
Tot Ion: 99 Resp: 727442

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

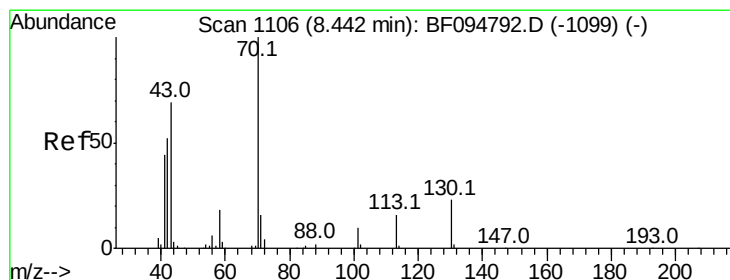
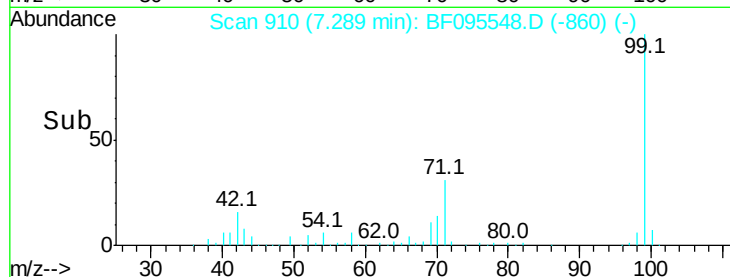
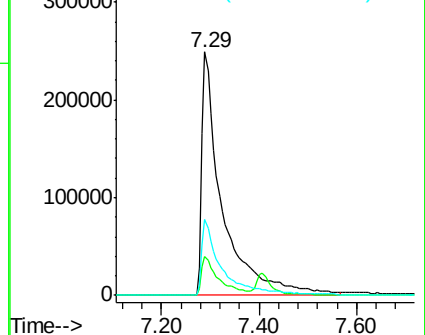
71 31.4 24.5 36.7



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: 9.62 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

Tgt Ion: 70 Resp: 43062

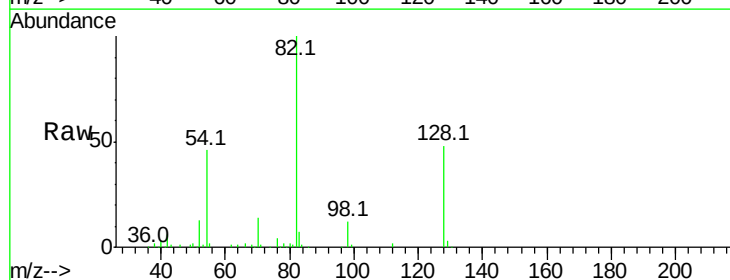
Ion Ratio Lower Upper

70 100

42 41.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

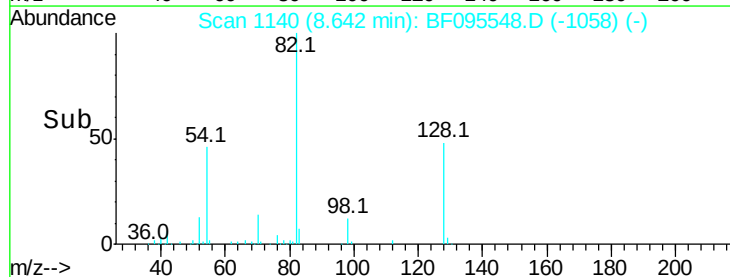
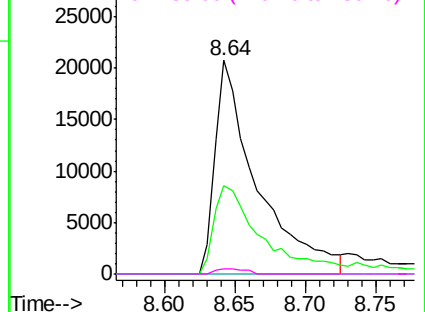


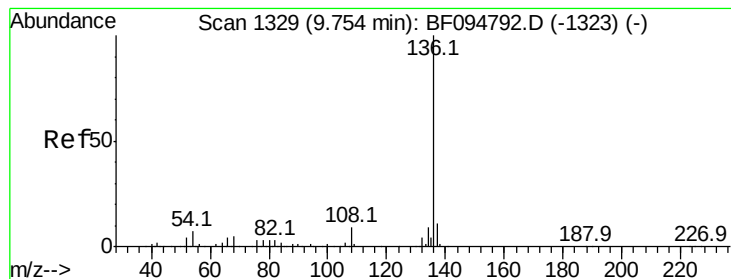
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095548.D

Acq: 30 May 2017 22:01

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 354921

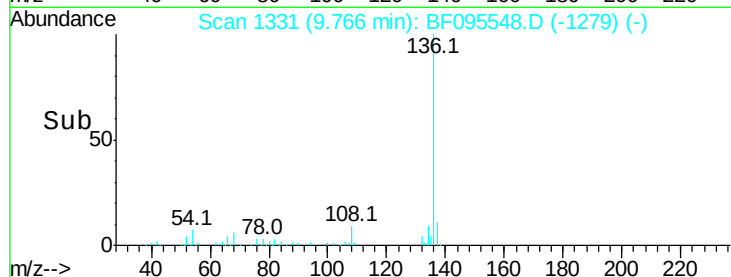
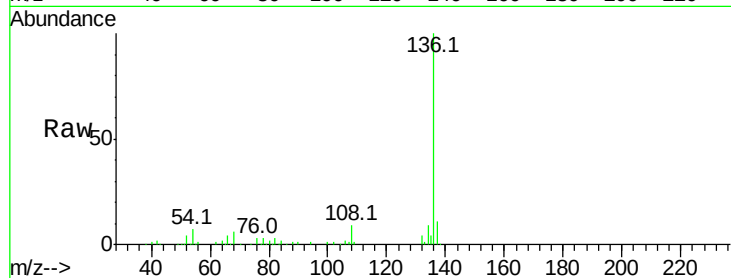
Ion Ratio Lower Upper

136 100

137 10.7 8.5 12.7

54 6.7 4.9 7.3

68 5.8 4.1 6.1

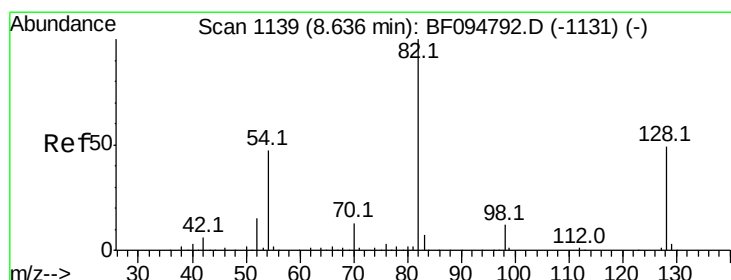
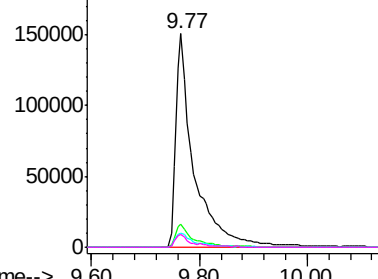


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.48 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

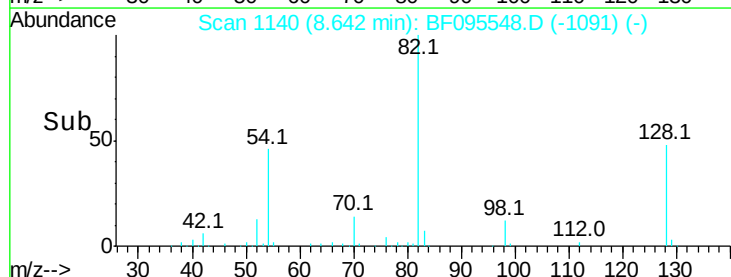
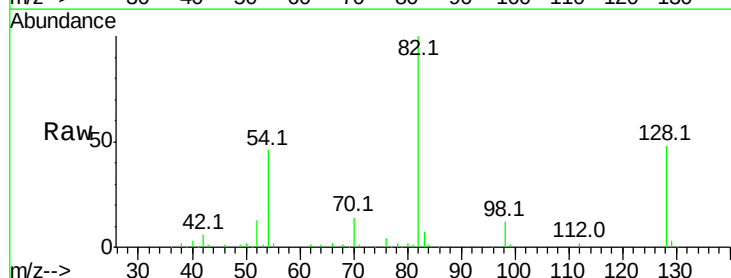
Tgt Ion: 82 Resp: 396671

Ion Ratio Lower Upper

82 100

128 47.8 34.0 51.0

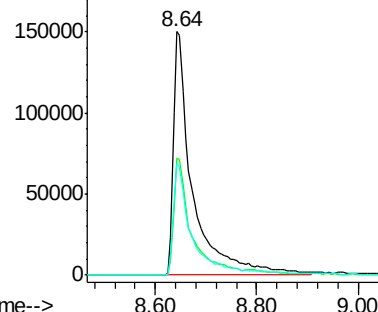
54 46.2 42.2 63.2

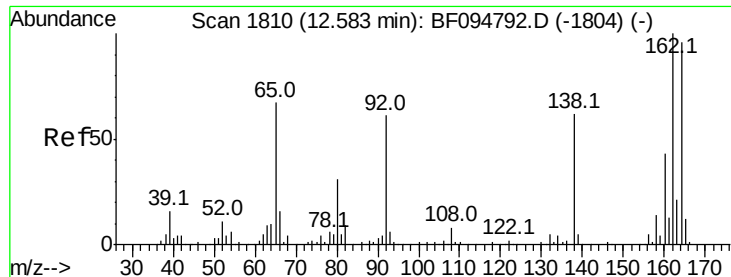


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

Instrument :

BNA_F

ClientSampleId :

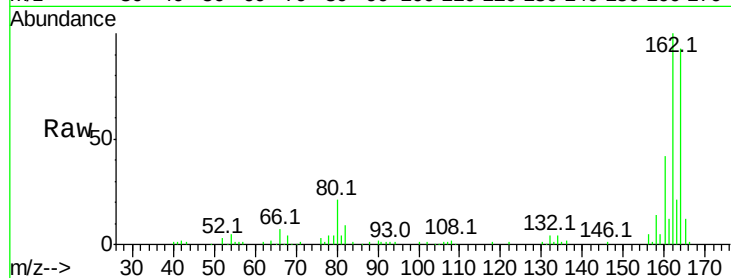
Tot Ion:164 Resp: 136802

Ion Ratio Lower Upper

164 100

162 107.2 82.6 123.8

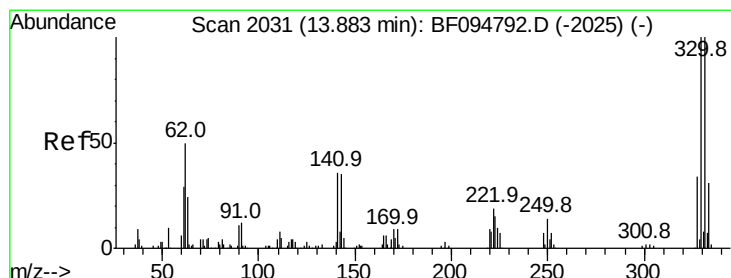
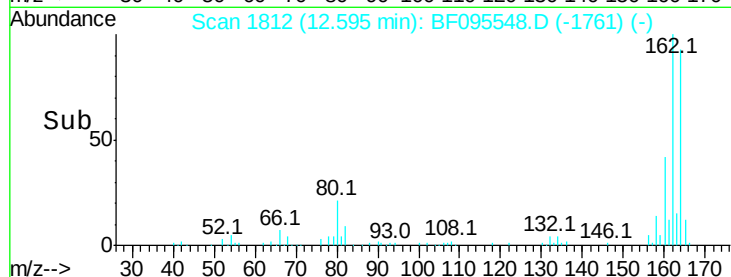
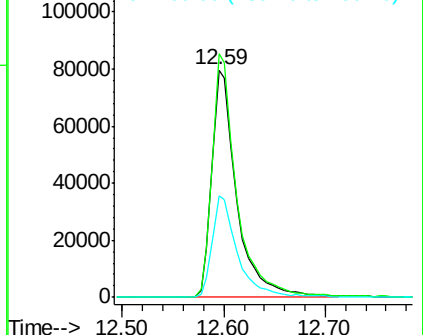
160 44.8 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 91.16 ng

RT: 13.90 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

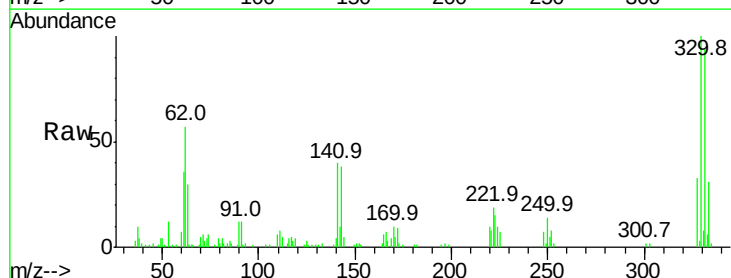
Tgt Ion:330 Resp: 102136

Ion Ratio Lower Upper

330 100

332 96.6 76.6 115.0

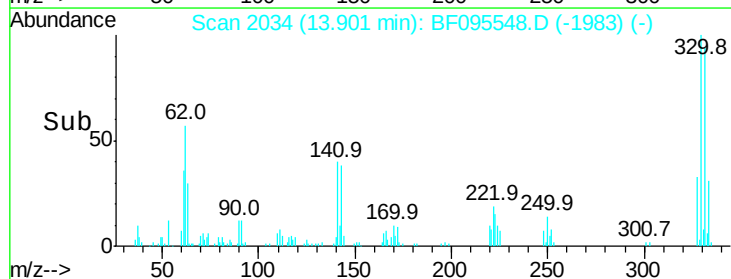
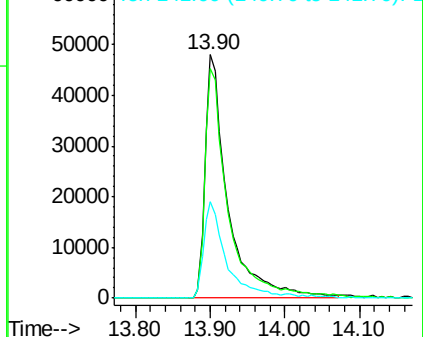
141 38.5 31.4 47.2

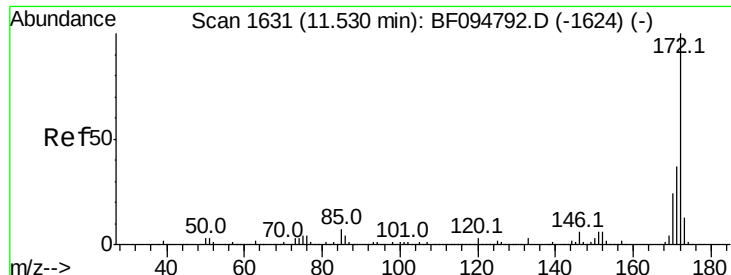


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

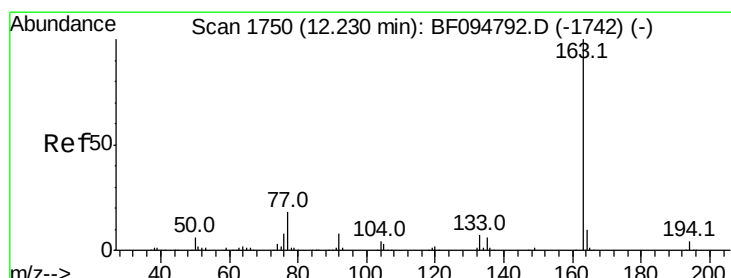
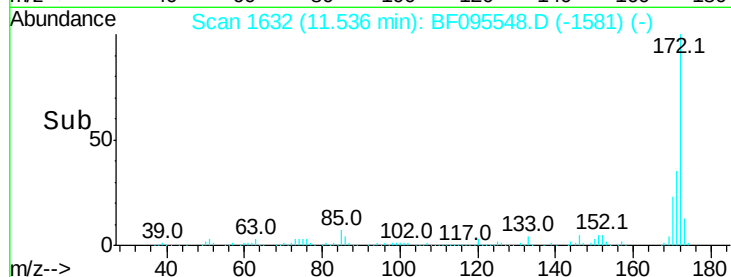
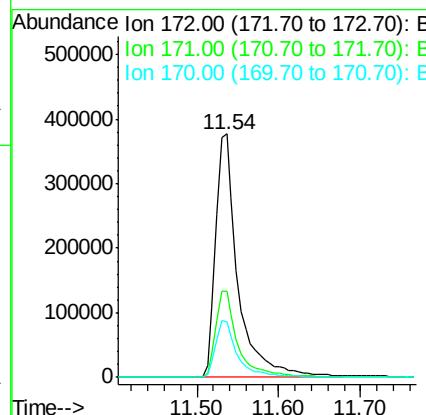
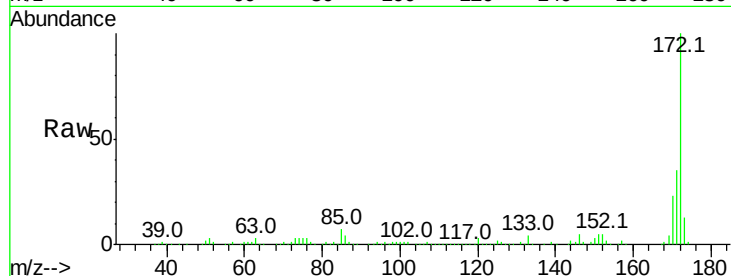




#44
2-Fluorobiphenyl
Concen: 75.80 ng
RT: 11.54 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BF095548.D
Acq: 30 May 2017 22:01

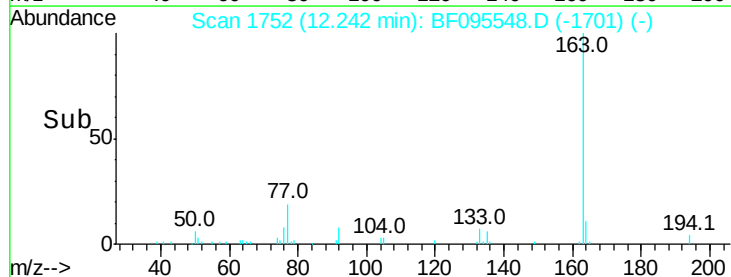
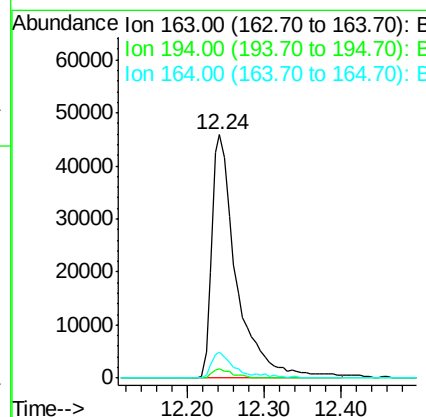
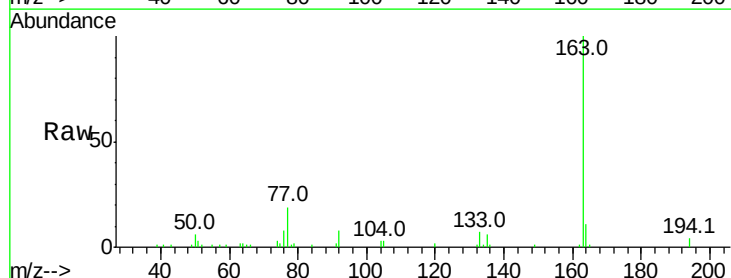
Instrument :
BNA_F
ClientSampleId :

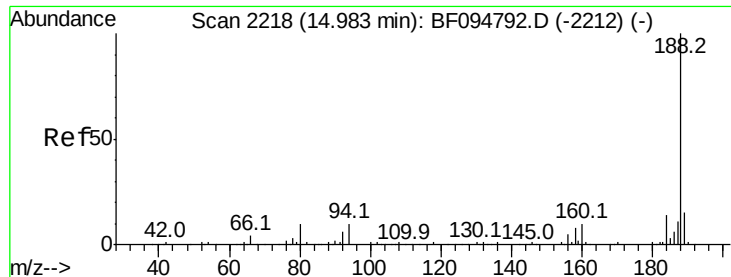
Tot Ion:172 Resp: 720401
Ion Ratio Lower Upper
172 100
171 35.4 29.6 44.4
170 22.7 19.8 29.8



#49
Dimethylphthalate
Concen: 9.07 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095548.D
Acq: 30 May 2017 22:01

Tgt Ion:163 Resp: 101892
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.8 8.4 12.6

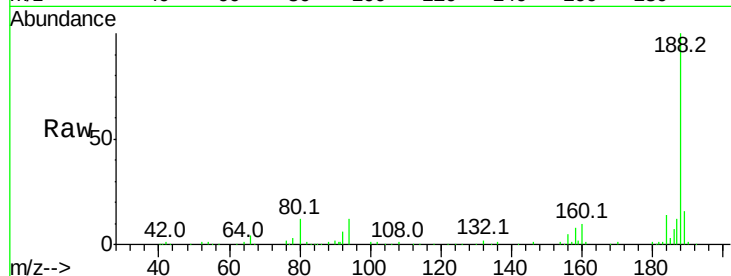




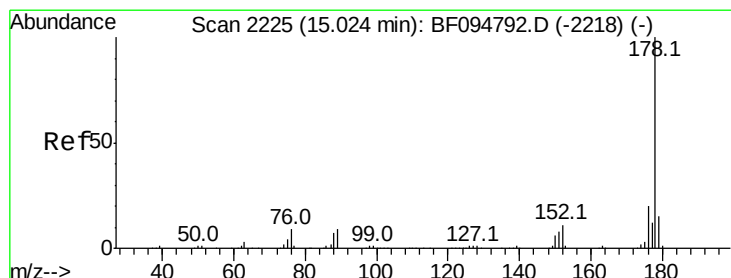
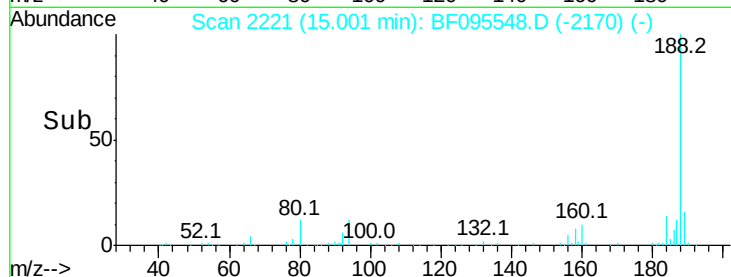
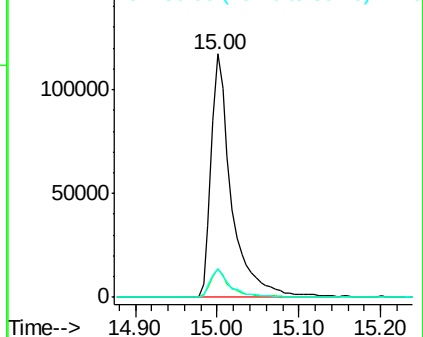
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. -0.00 min
 Lab File: BF095548.D
 Acq: 30 May 2017 22:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 204452
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.4 14.2
 80 12.0 10.2 15.2

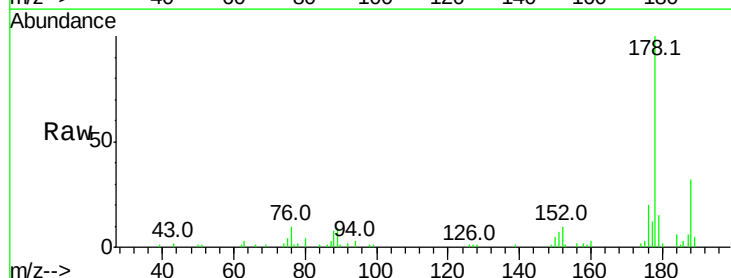


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

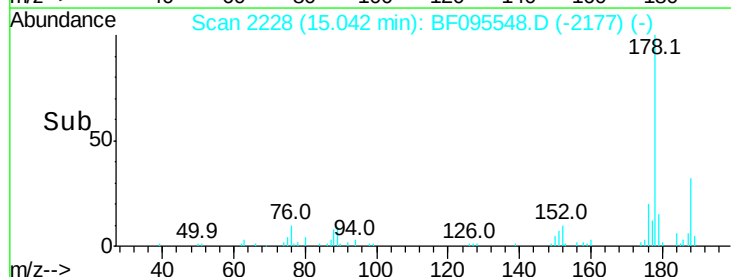
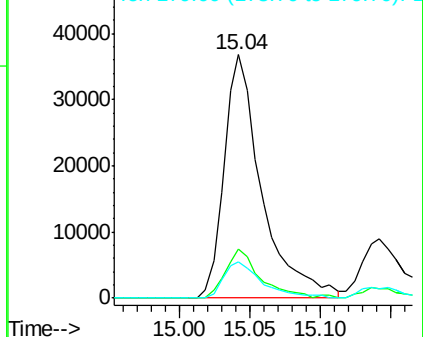


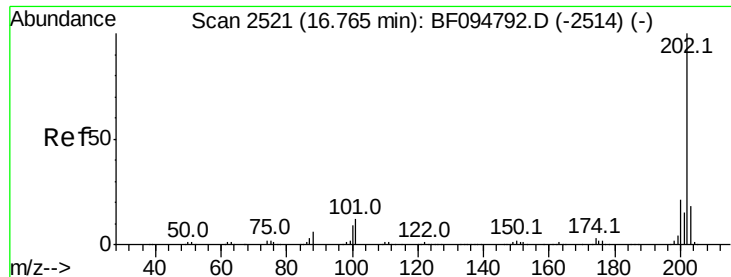
#70
 Phenanthrene
 Concen: 5.81 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.00 min
 Lab File: BF095548.D
 Acq: 30 May 2017 22:01

Tgt Ion:178 Resp: 68263
 Ion Ratio Lower Upper
 178 100
 176 20.0 16.2 24.4
 179 15.0 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

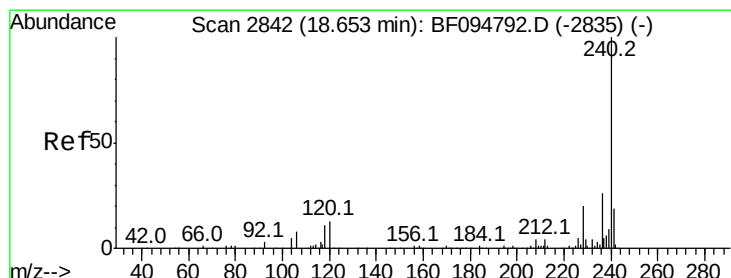
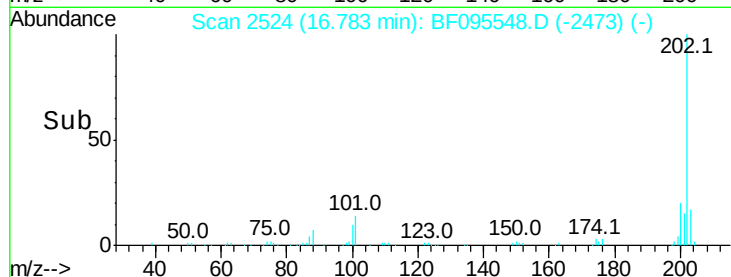
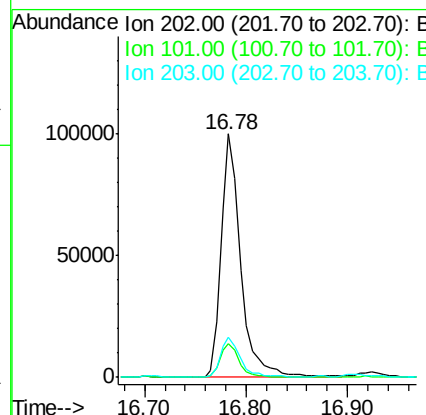
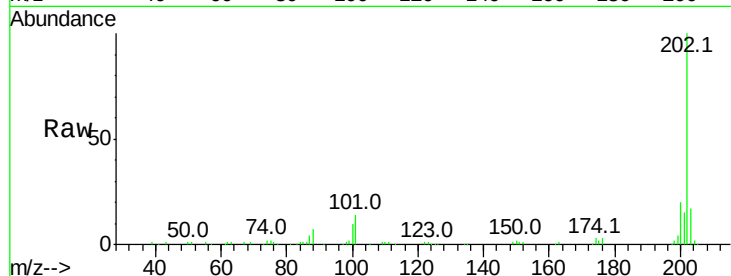




#74
 Fluoranthene
 Concen: 11.17 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.00 min
 Lab File: BF095548.D
 Acq: 30 May 2017 22:01

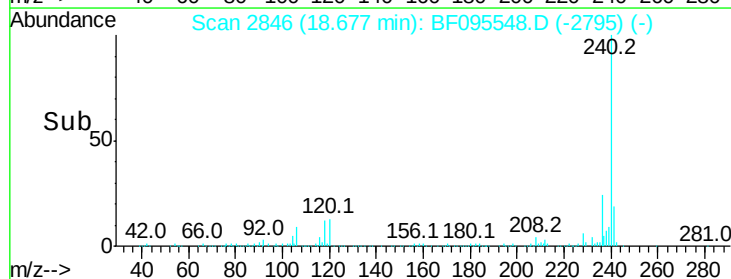
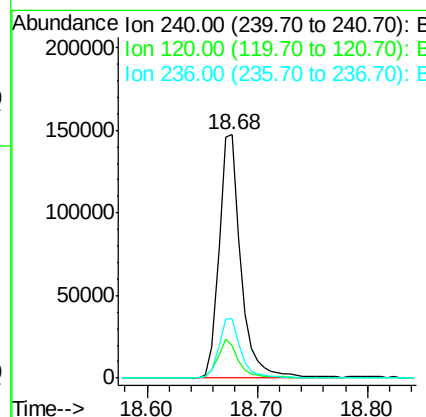
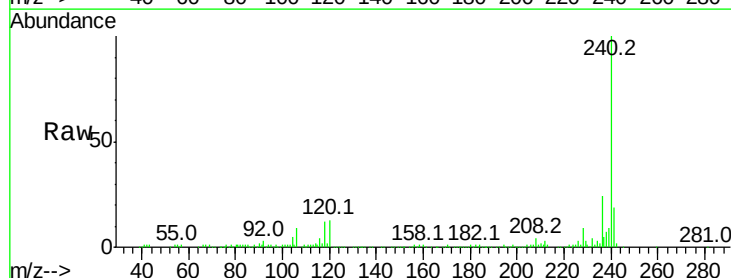
Instrument :
 BNA_F
 ClientSampleId :

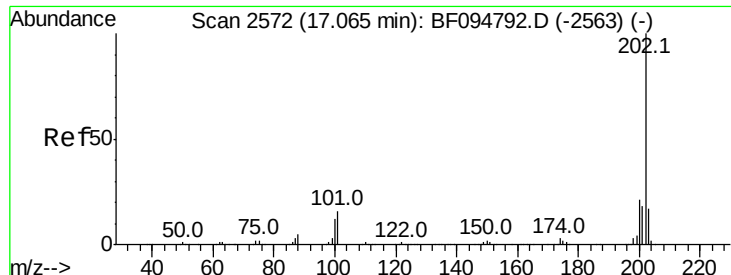
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	33.2
203	16.7	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.68 min Scan# 2846
 Delta R.T. -0.00 min
 Lab File: BF095548.D
 Acq: 30 May 2017 22:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.2	5.8	8.8#
236	24.3	20.5	30.7





#77

Pvrene

Concen: 8.68 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.00 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

Instrument :

BNA_F

ClientSampleId :

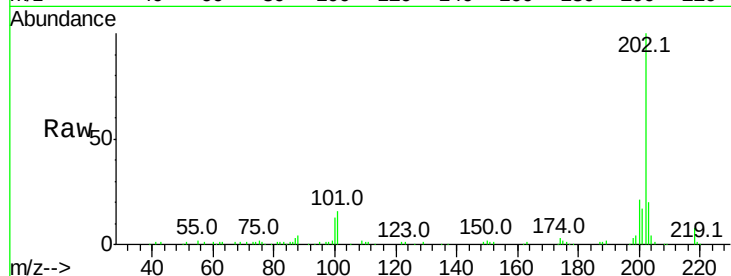
Tot Ion:202 Resp: 131122

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

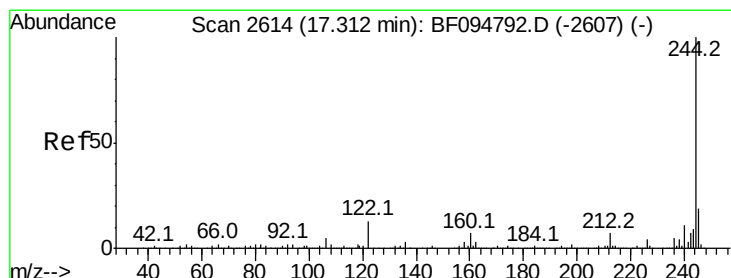
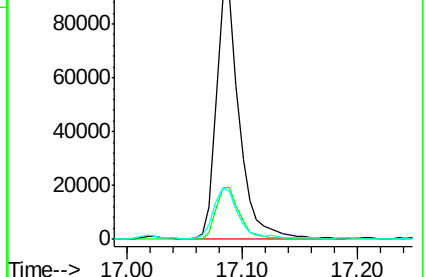
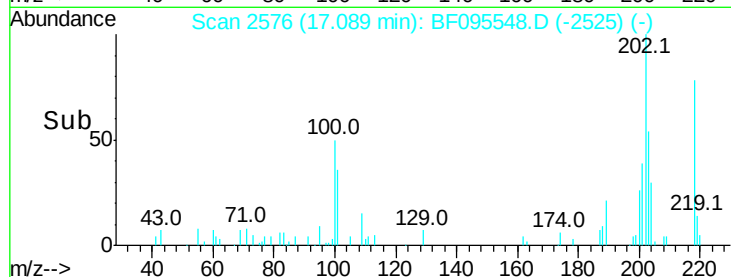
203 19.7 14.4 21.6



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: 50.59 ng

RT: 17.31 min Scan# 2614

Delta R.T. -0.01 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

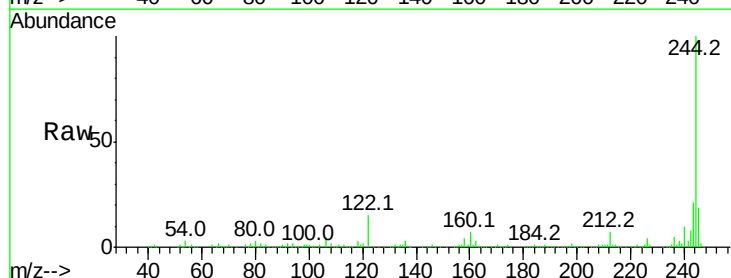
Tgt Ion:244 Resp: 463722

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

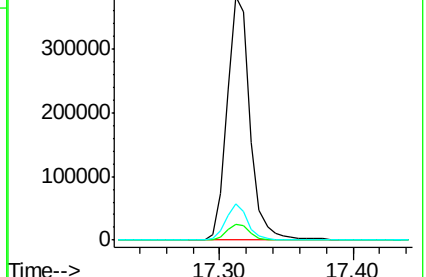
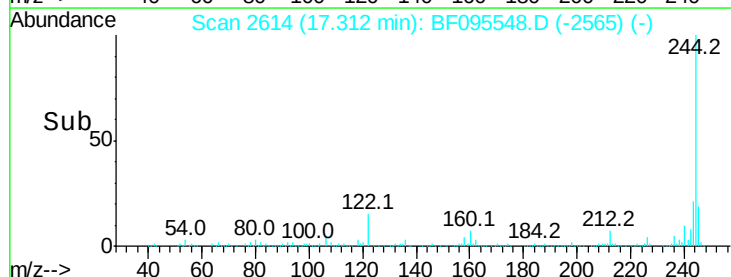
122 14.8 10.3 15.5

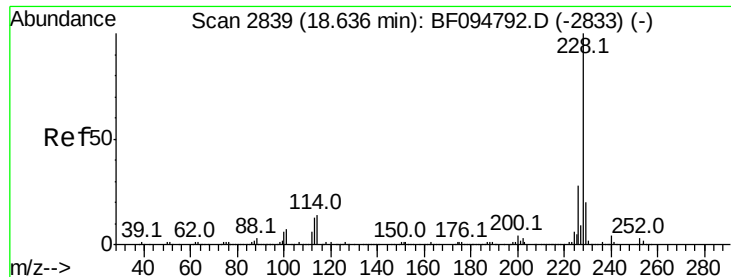


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.06 ng

RT: 18.66 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

Instrument :

BNA_F

ClientSampleId :

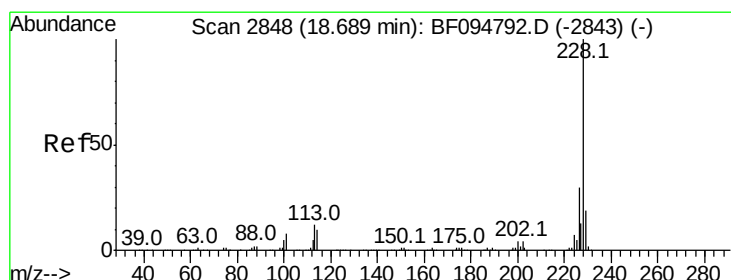
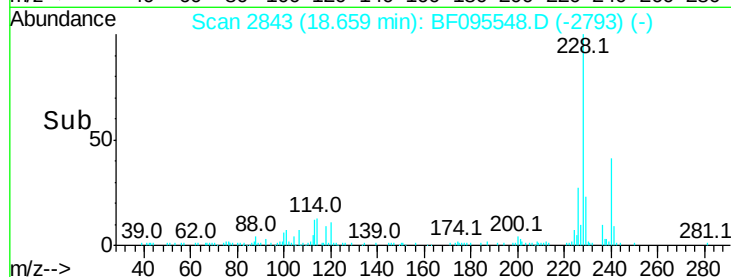
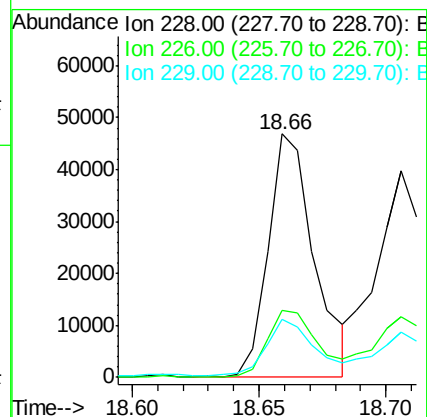
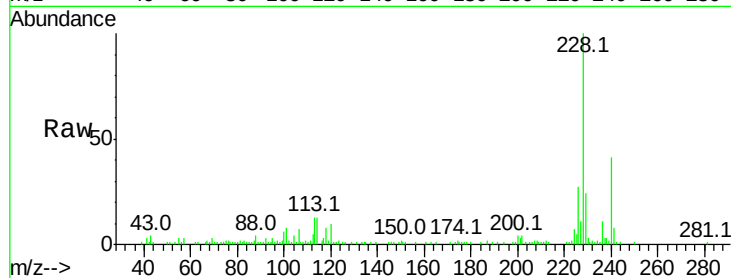
Tot Ion:228 Resp: 59430

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

229 23.6 16.3 24.5



#82

Chrysene

Concen: 5.39 ng

RT: 18.71 min Scan# 2851

Delta R.T. -0.01 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

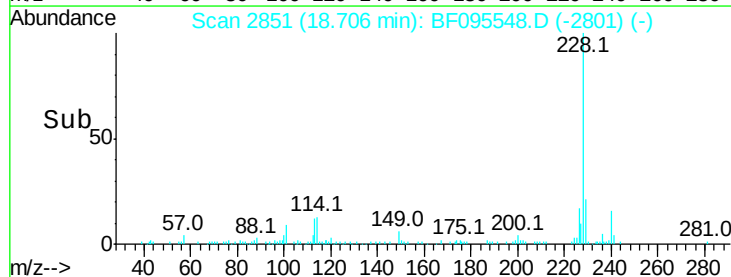
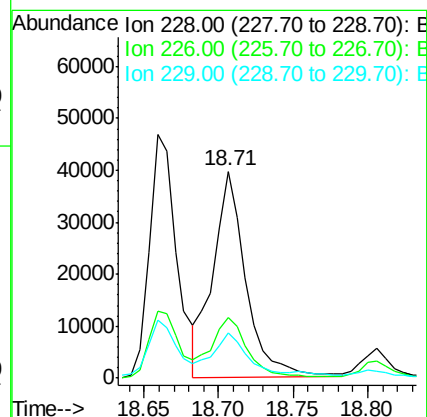
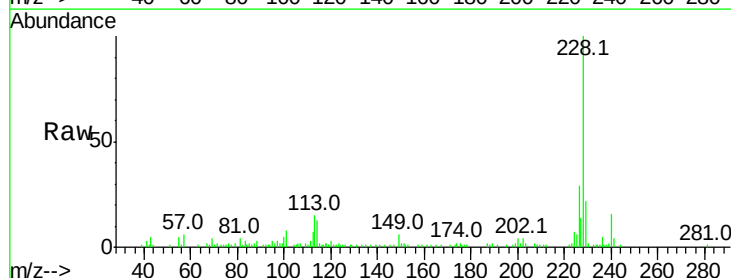
Tgt Ion:228 Resp: 61275

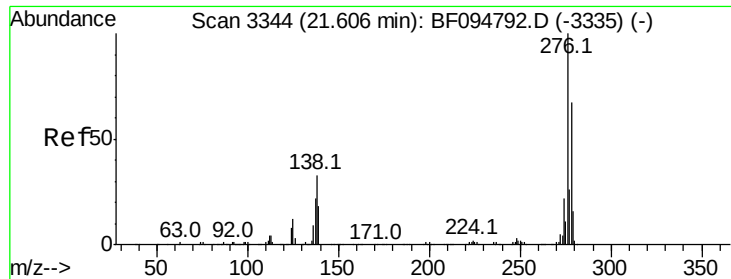
Ion Ratio Lower Upper

228 100

226 29.3 24.9 37.3

229 21.9 15.8 23.6





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.12 ng

RT: 21.70 min Scan# 3360

Delta R.T. 0.02 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

Instrument :

BNA_F

ClientSampleId :

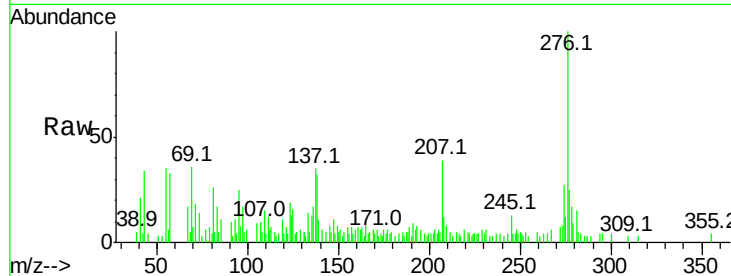
Tot Ion:276 Resp: 19536

Ion Ratio Lower Upper

276 100

138 33.3 27.8 41.6

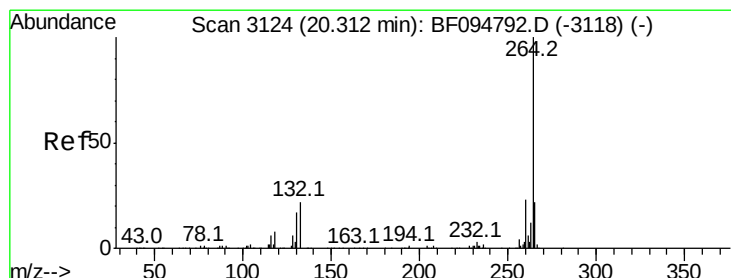
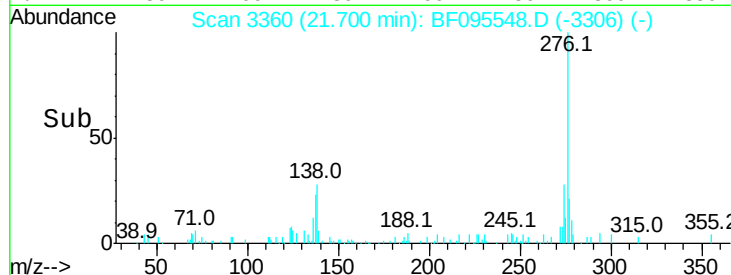
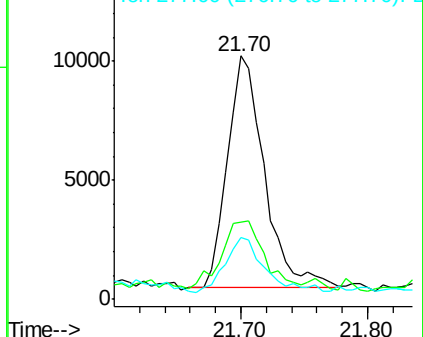
277 25.1 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 20.35 min Scan# 3131

Delta R.T. -0.00 min

Lab File: BF095548.D

Acq: 30 May 2017 22:01

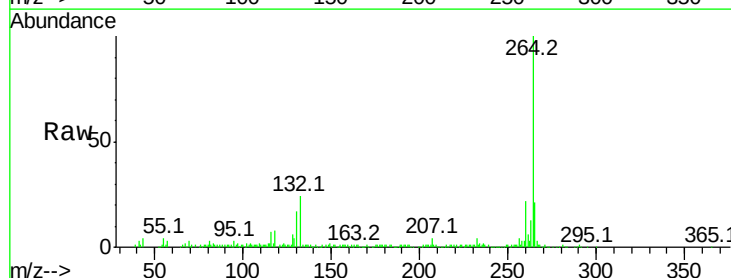
Tgt Ion:264 Resp: 145946

Ion Ratio Lower Upper

264 100

260 22.5 19.5 29.3

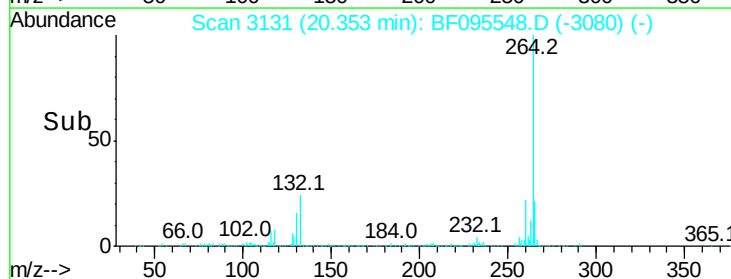
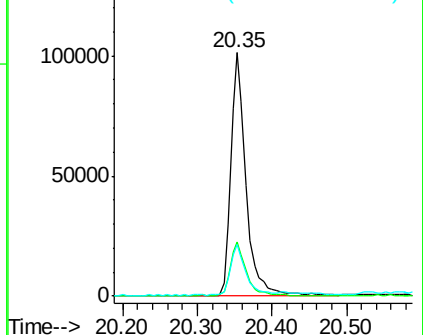
265 21.3 17.2 25.8

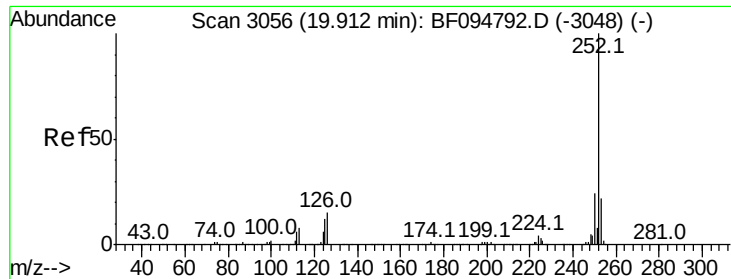


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 9.64 ng

RT: 19.95 min Scan# 3062

Delta R.T. 0.01 min

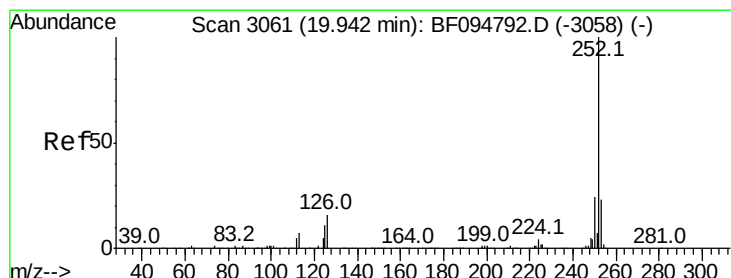
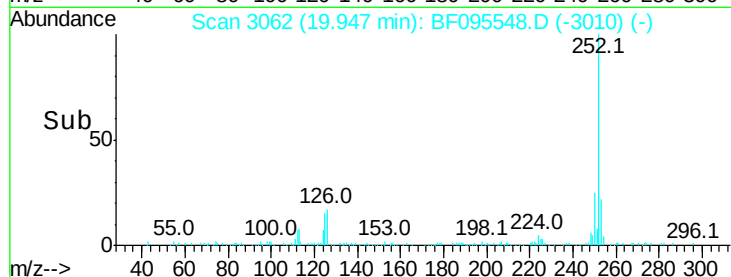
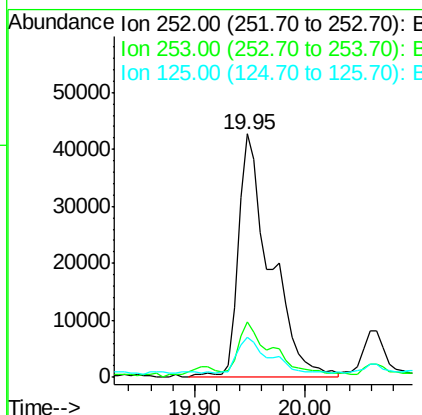
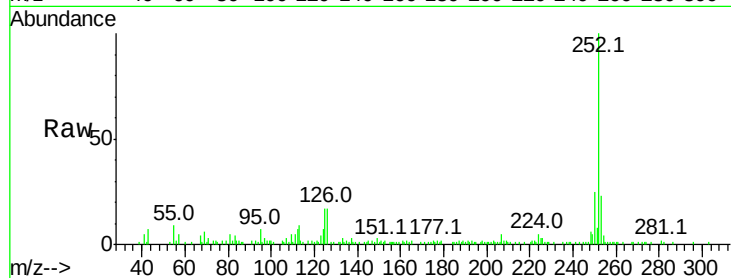
Lab File: BF095548.D

Acq: 30 May 2017 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 86907

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	16.7	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 9.99 ng

RT: 19.95 min Scan# 3062

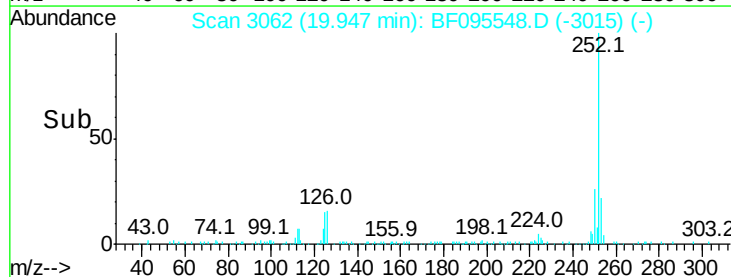
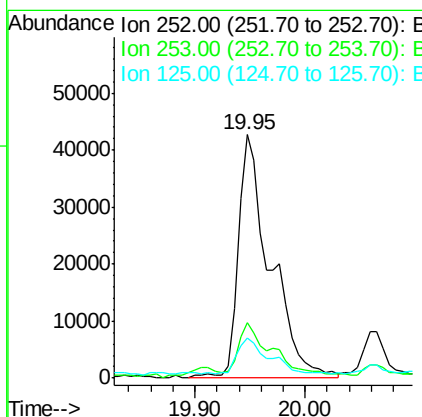
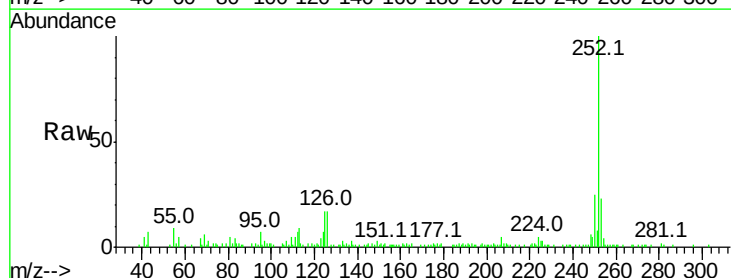
Delta R.T. -0.02 min

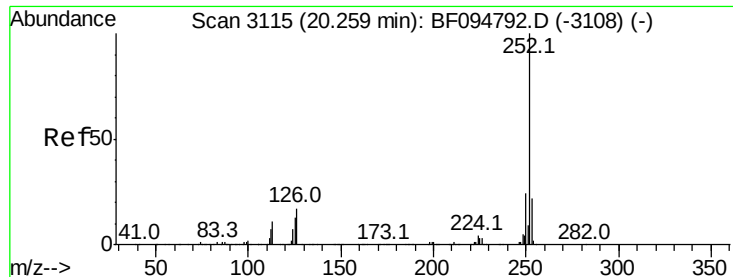
Lab File: BF095548.D

Acq: 30 May 2017 22:01

Tgt Ion:252 Resp: 86907

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	16.7	13.1	19.7

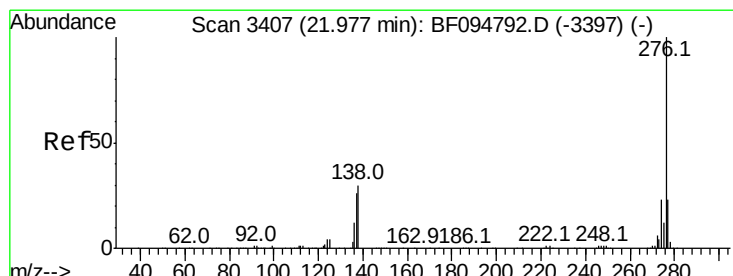
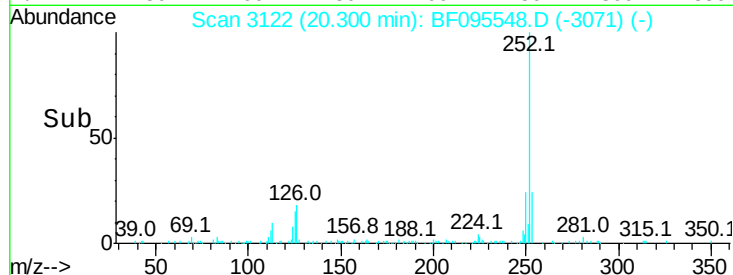
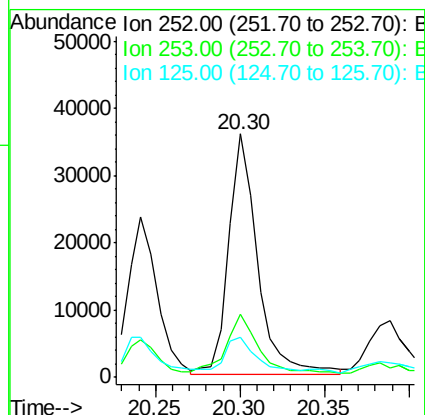
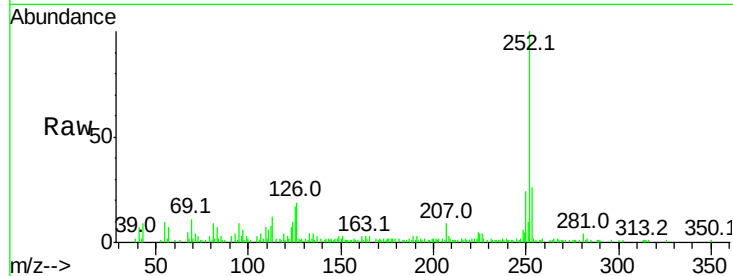




#89
Benzo(a)pyrene
Concen: 5.19 ng
RT: 20.30 min Scan# 3122
Delta R.T. -0.00 min
Lab File: BF095548.D
Acq: 30 May 2017 22:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 43216
Ion Ratio Lower Upper
252 100
253 26.0 17.5 26.3
125 16.7 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 3.65 ng
RT: 22.09 min Scan# 3427
Delta R.T. 0.02 min
Lab File: BF095548.D
Acq: 30 May 2017 22:01

Tgt Ion:276 Resp: 24646
Ion Ratio Lower Upper
276 100
277 25.2 18.6 28.0
138 33.8 25.4 38.0

