

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052517\
 Data File : BF095442.D
 Acq On : 26 May 2017 1:13
 Operator : SJ/MA
 Sample : I3223-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 26 04:19:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 18 17:07:53 2017
 Response via : Initial Calibration

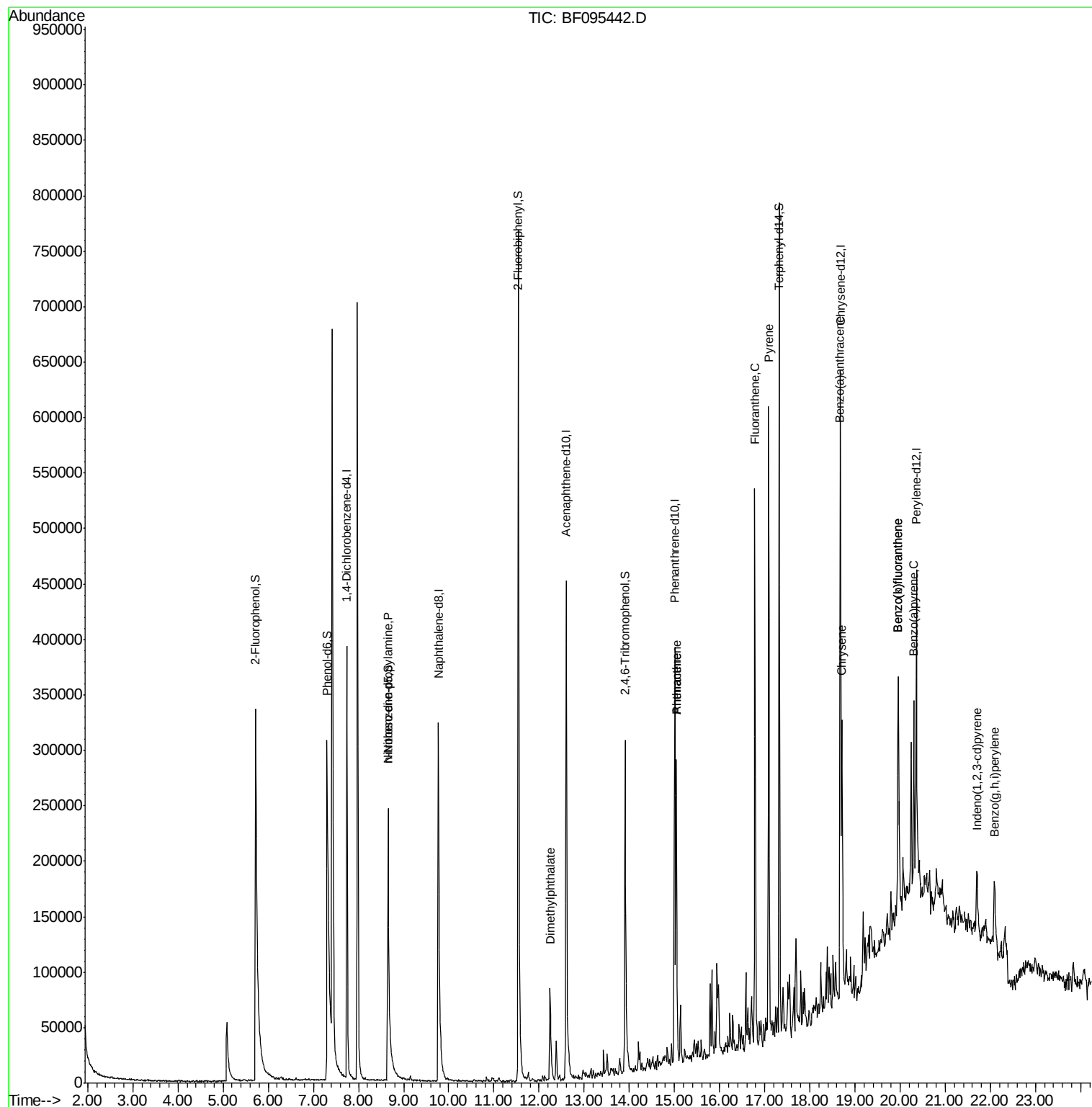
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	88169	20.00	ng	-0.02
21) Naphthalene-d8	9.77	136	359563	20.00	ng	-0.01
38) Acenaphthene-d10	12.60	164	153807	20.00	ng	-0.02
63) Phenanthrene-d10	15.01	188	216479	20.00	ng	-0.02
75) Chrysene-d12	18.68	240	185533	20.00	ng	-0.02
86) Perylene-d12	20.36	264	134668	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.72	112	332811	62.93	ng	-0.02
7) Phenol-d6	7.30	99	411651	64.88	ng	-0.01
23) Nitrobenzene-d5	8.65	82	217482	38.14	ng	-0.02
41) 2,4,6-Tribromophenol	13.91	330	65219	51.78	ng	-0.01
44) 2-Fluorobiphenyl	11.54	172	483023	45.20	ng	-0.02
78) Terphenyl-d14	17.32	244	294287	34.94	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.65	70	22828	5.32	ng	# 80
49) Dimethylphthalate	12.24	163	78805	6.24	ng	99
70) Phenanthrene	15.04	178	165443	13.30	ng	99
71) Anthracene	15.04	178	165443	13.02	ng	100
74) Fluoranthene	16.78	202	273515	21.44	ng	98
77) Pyrene	17.09	202	268401	19.34	ng	96
80) Benzo(a)anthracene	18.67	228	106804	9.89	ng	96
82) Chrysene	18.71	228	120042	11.50	ng	96
85) Indeno(1,2,3-cd)pyrene	21.70	276	45810	5.40	ng	93
87) Benzo(b)fluoranthene	19.95	252	153855	18.49	ng	98
88) Benzo(k)fluoranthene	19.95	252	153855	19.17	ng	98
89) Benzo(a)pyrene	20.31	252	78457	10.22	ng	96
91) Benzo(a,h,i)perylene	22.09	276	47565	7.64	ng	94

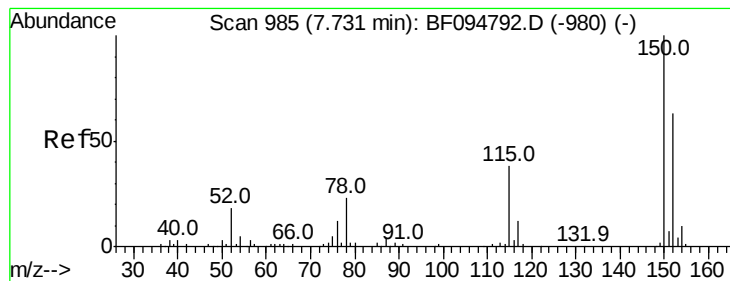
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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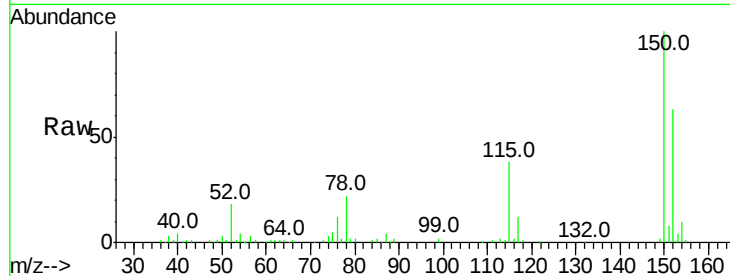


#1

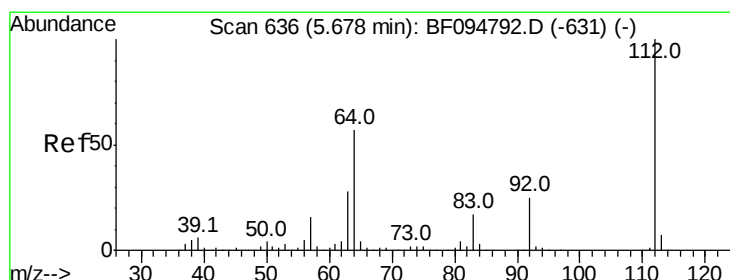
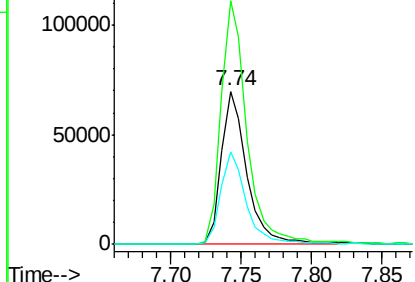
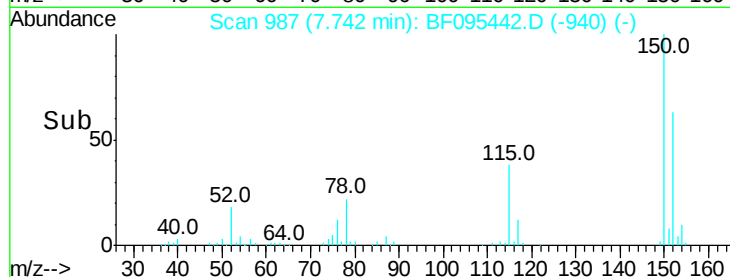
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 987
Delta R.T. -0.02 min
Lab File: BF095442.D
Acq: 26 May 2017 1:13

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 88169
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.2
115 60.6 52.2 78.2



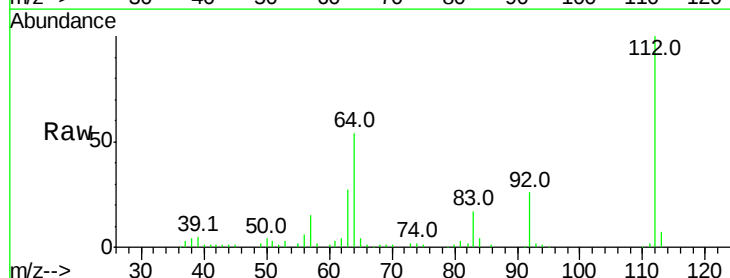
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



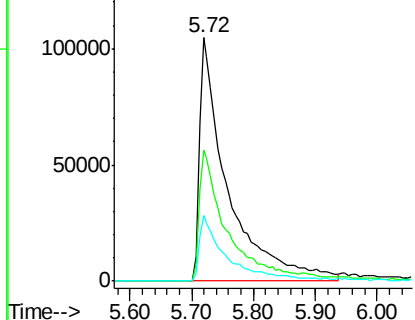
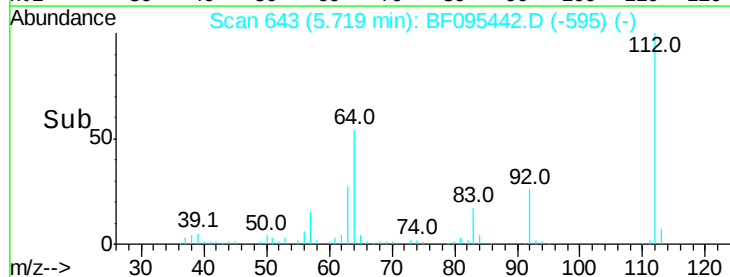
#5

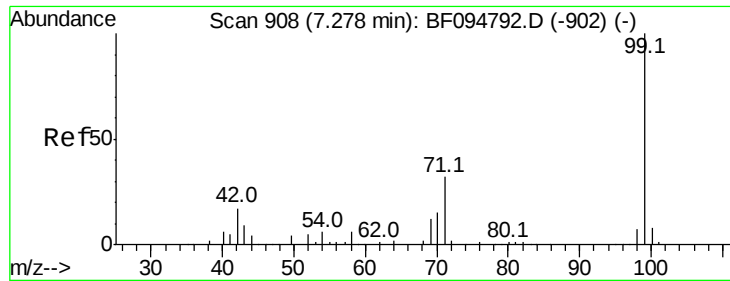
2-Fluorophenol
Concen: 62.93 ng
RT: 5.72 min Scan# 643
Delta R.T. -0.02 min
Lab File: BF095442.D
Acq: 26 May 2017 1:13

Tgt Ion:112 Resp: 332811
Ion Ratio Lower Upper
112 100
64 53.7 46.0 69.0
63 26.7 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: 64.88 ng

RT: 7.30 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

Instrument :

BNA_F

ClientSampled :

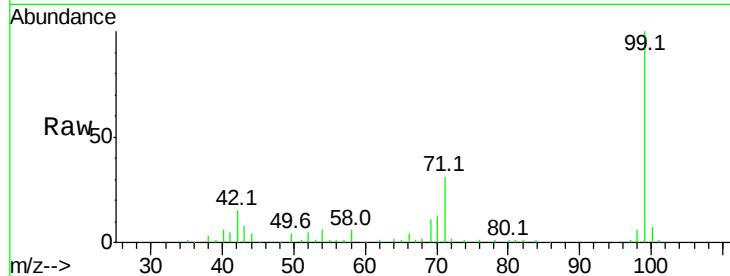
Tot Ion: 99 Resp: 411651

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

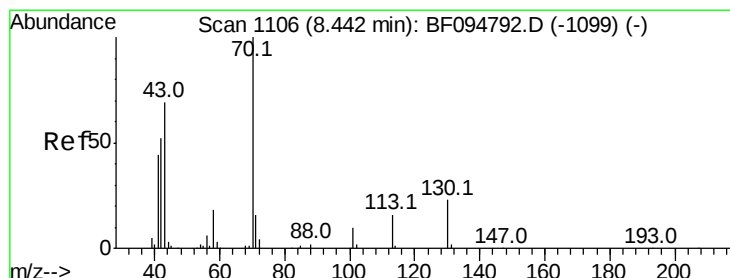
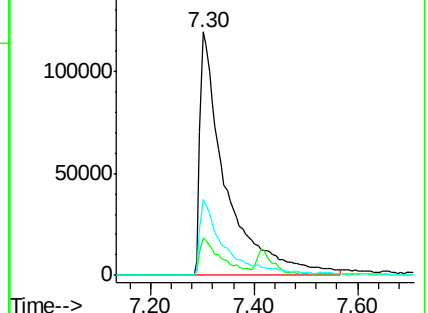
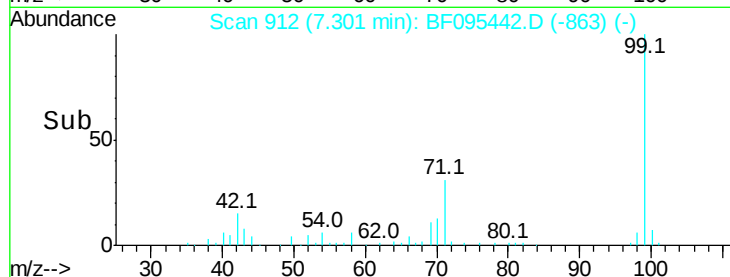
71 31.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.32 ng

RT: 8.65 min Scan# 1142

Delta R.T. 0.18 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

Tgt Ion: 70 Resp: 22828

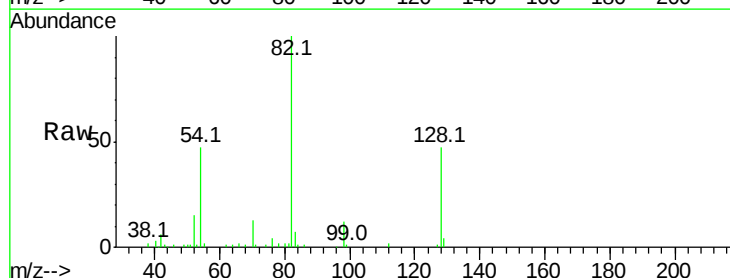
Ion Ratio Lower Upper

70 100

42 50.4 47.2 70.8

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

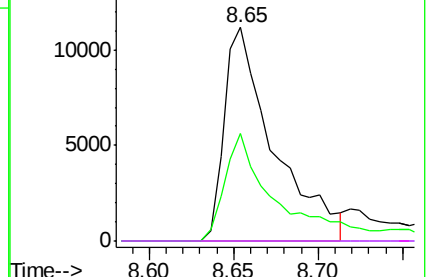
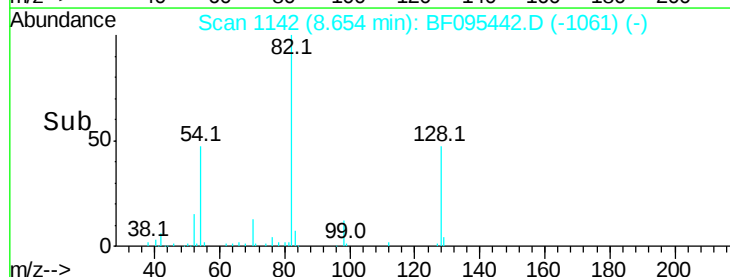


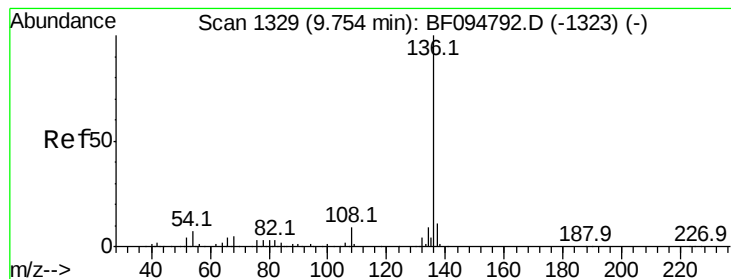
Abundance Ion 70.00 (69.70 to 70.70): BF0

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# 1332

Delta R.T. -0.01 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 359563

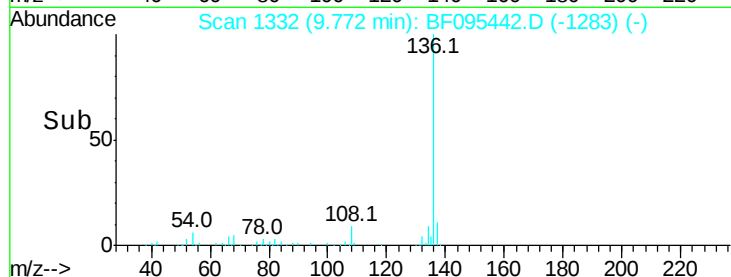
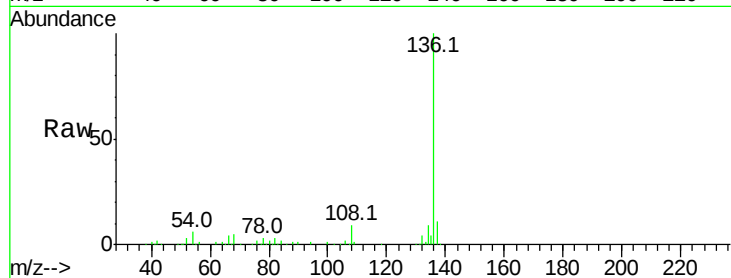
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 6.2 4.9 7.3

68 5.3 4.1 6.1

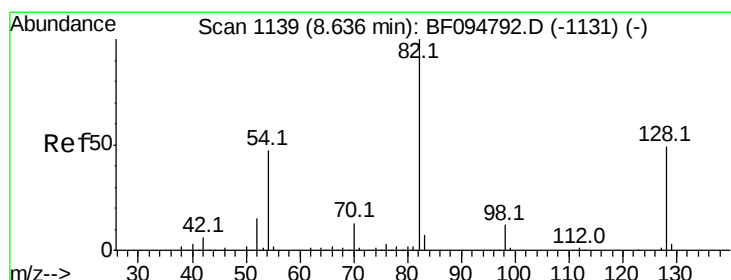
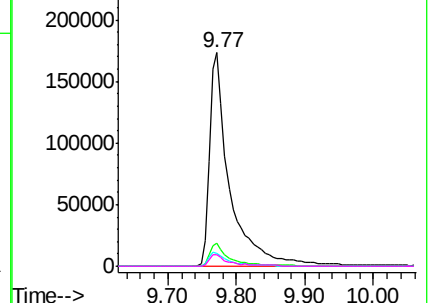


Abundance Ion 136.00 (135.70 to 136.70): E

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: 38.14 ng

RT: 8.65 min Scan# 1142

Delta R.T. -0.02 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

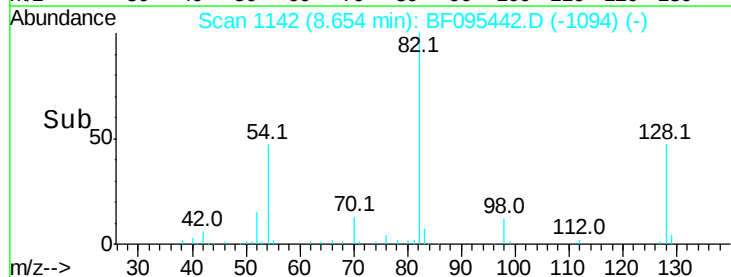
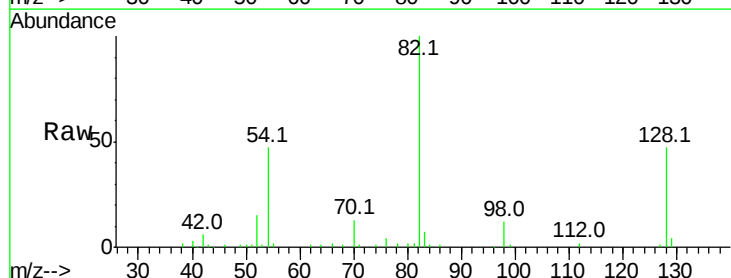
Tgt Ion: 82 Resp: 217482

Ion Ratio Lower Upper

82 100

128 47.2 34.0 51.0

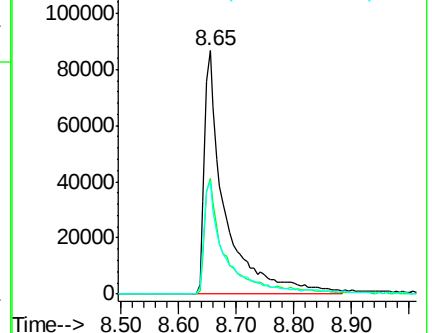
54 46.6 42.2 63.2

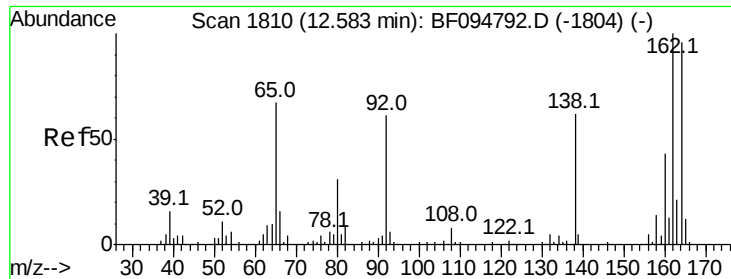


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 12.60 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

Instrument :

BNA_F

ClientSampleId :

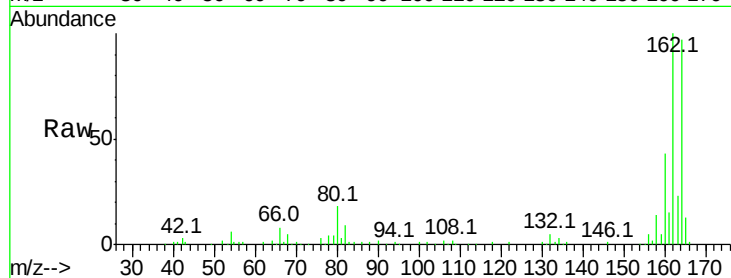
Tot Ion:164 Resp: 153807

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

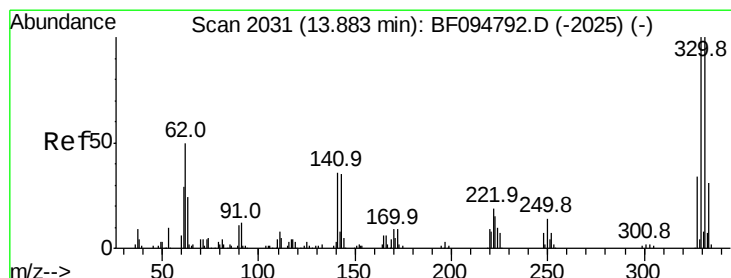
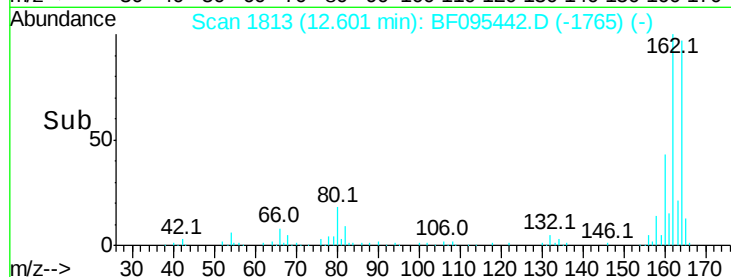
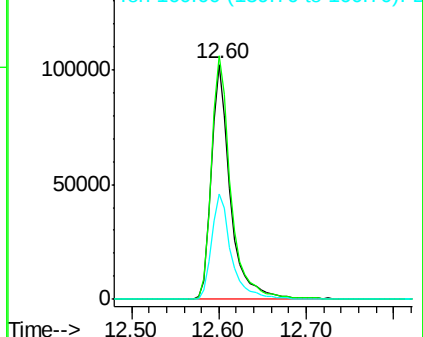
160 45.1 36.2 54.2



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: 51.78 ng

RT: 13.91 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

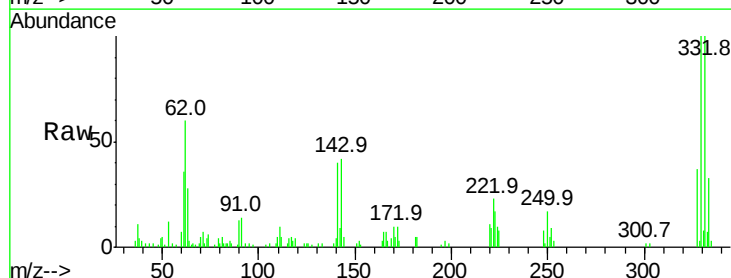
Tgt Ion:330 Resp: 65219

Ion Ratio Lower Upper

330 100

332 97.0 76.6 115.0

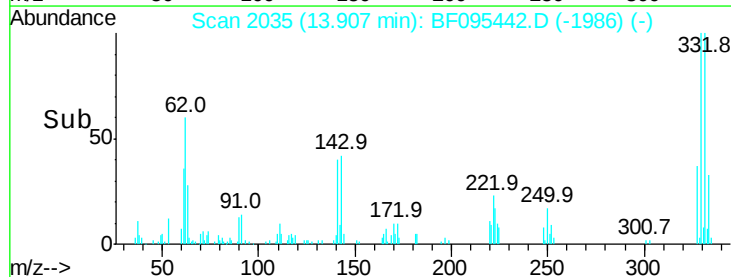
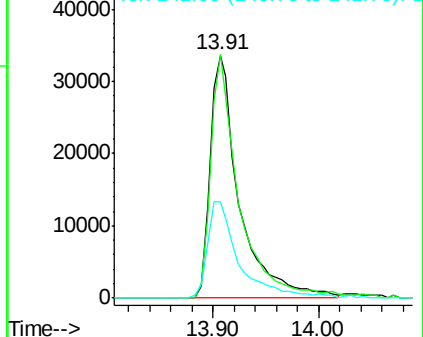
141 42.7 31.4 47.2

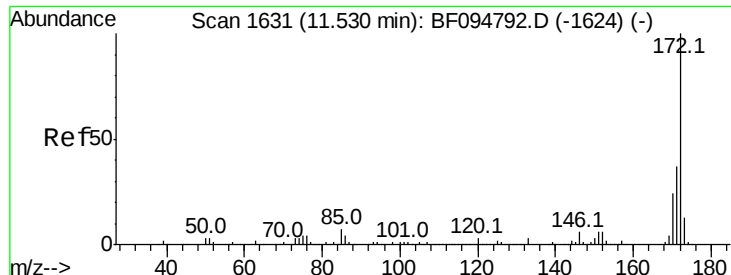


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

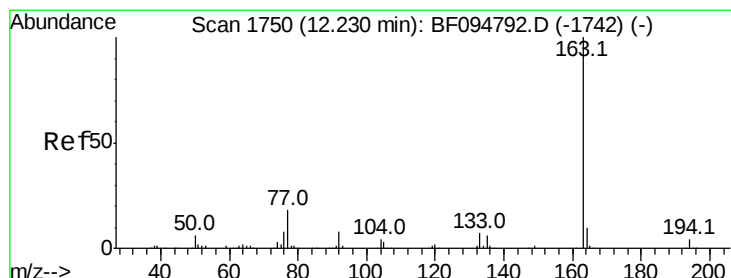
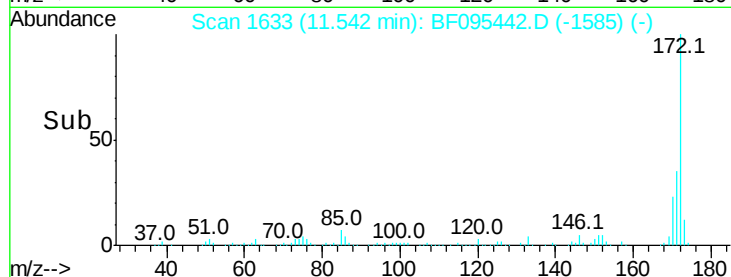
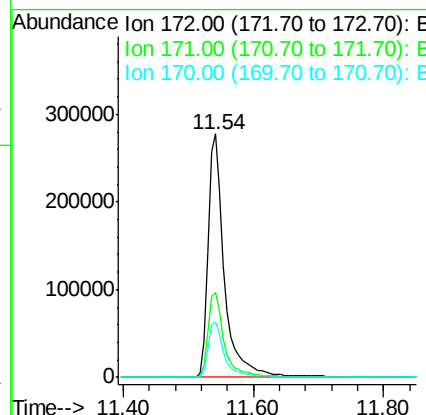
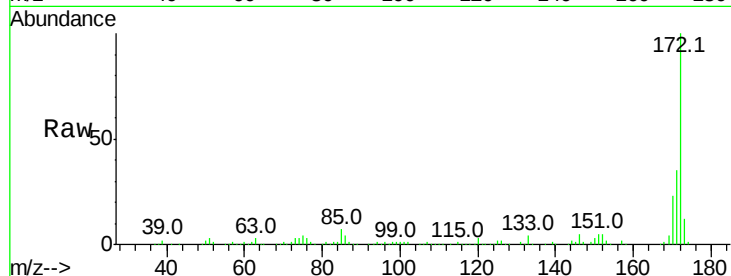




#44
2-Fluorobiphenyl
Concen: 45.20 ng
RT: 11.54 min Scan# 1633
Delta R.T. -0.02 min
Lab File: BF095442.D
Acq: 26 May 2017 1:13

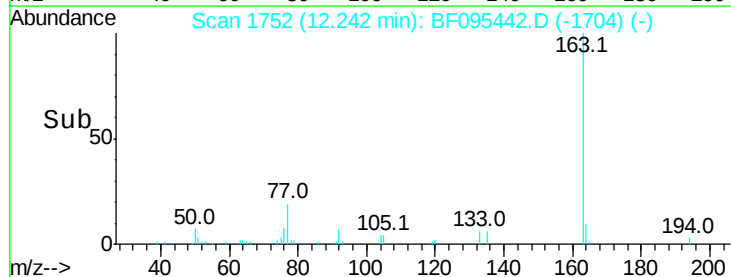
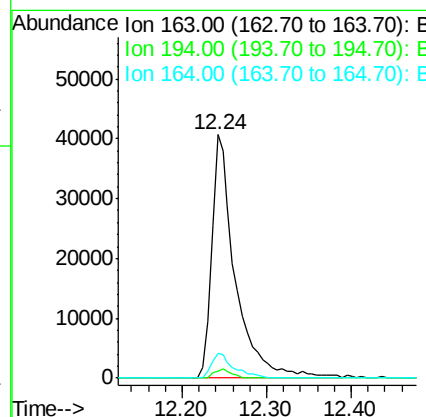
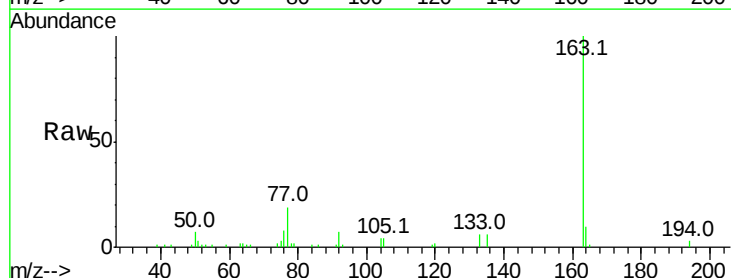
Instrument :
BNA_F
ClientSampleId :

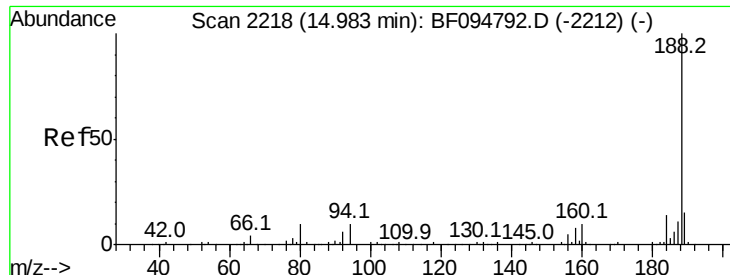
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	22.7	19.8	29.8



#49
Dimethylphthalate
Concen: 6.24 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.02 min
Lab File: BF095442.D
Acq: 26 May 2017 1:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	10.3	8.4	12.6

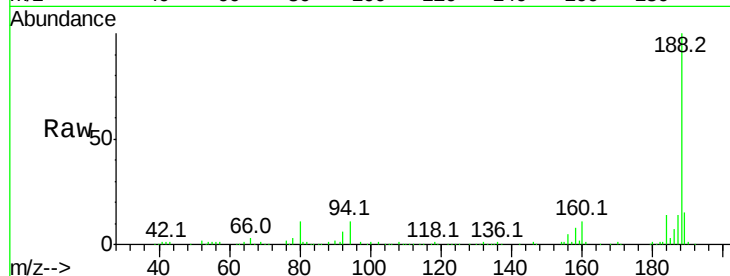




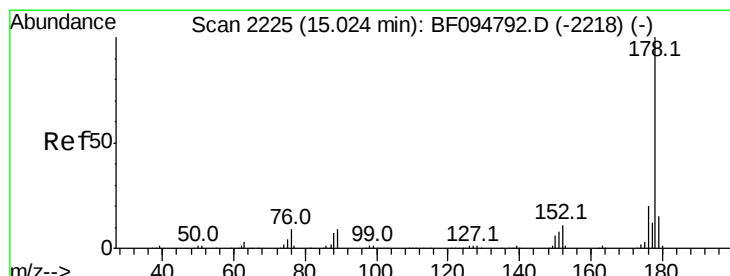
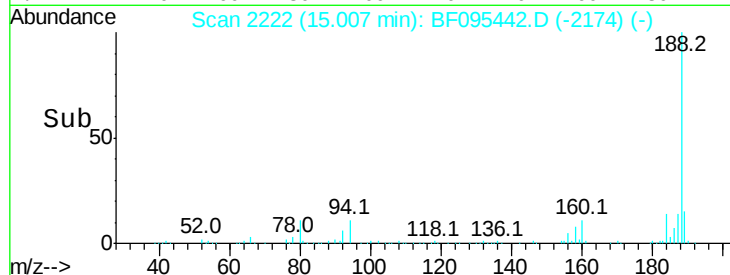
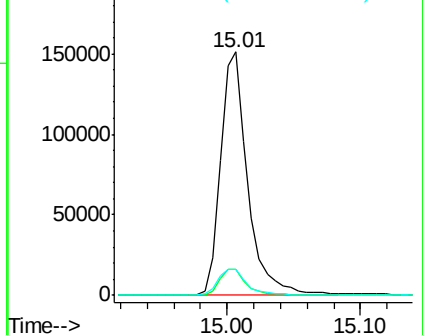
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF095442.D
 Acq: 26 May 2017 1:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 216479
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 10.9 10.2 15.2

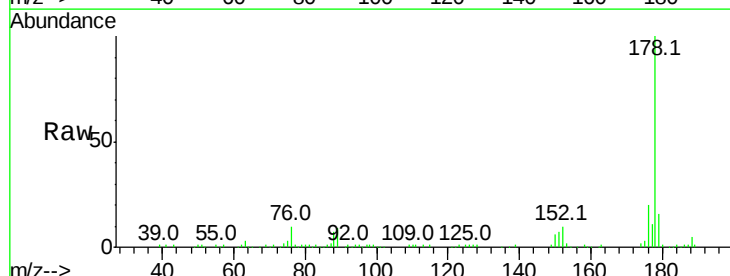


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

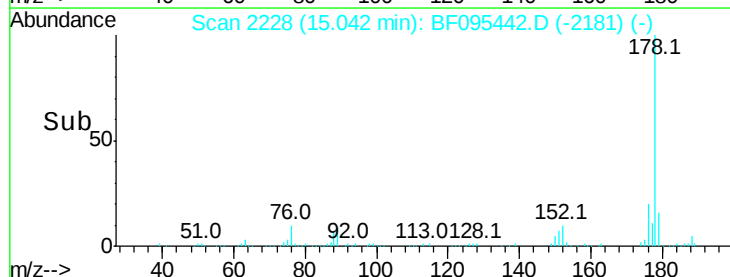
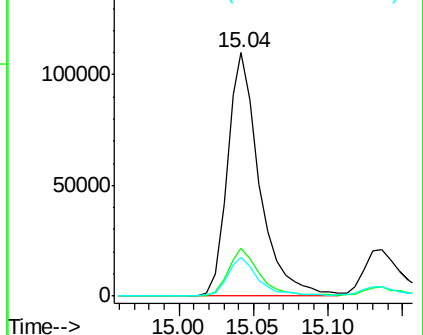


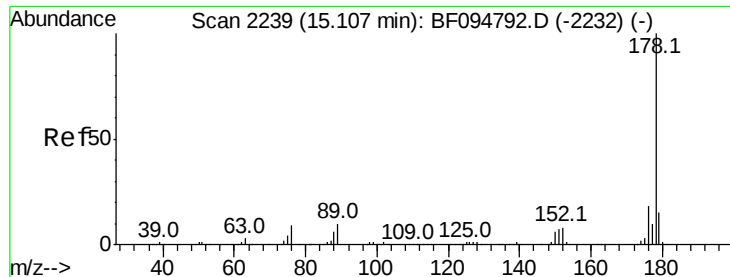
#70
 Phenanthrene
 Concen: 13.30 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF095442.D
 Acq: 26 May 2017 1:13

Tgt Ion:178 Resp: 165443
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.2 24.4
 179 16.0 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

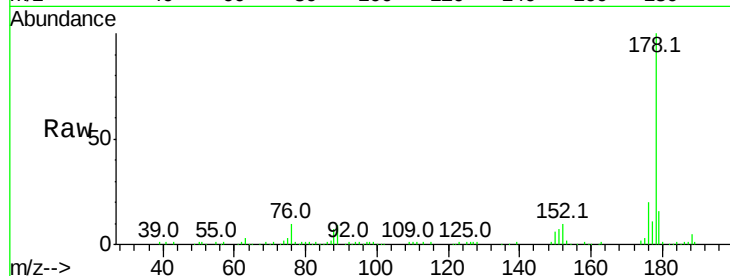




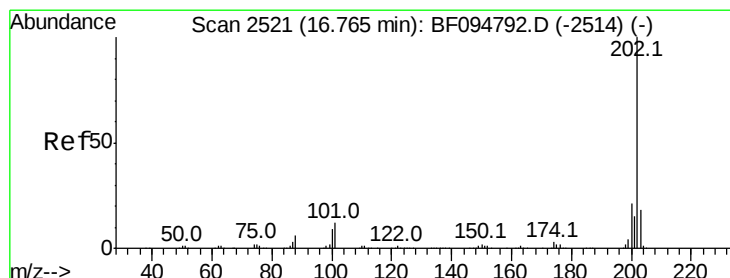
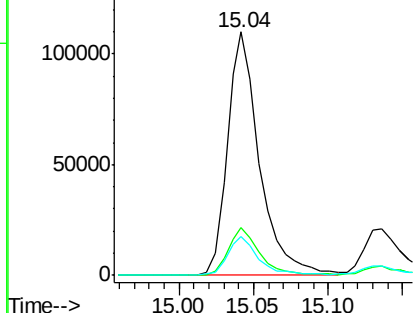
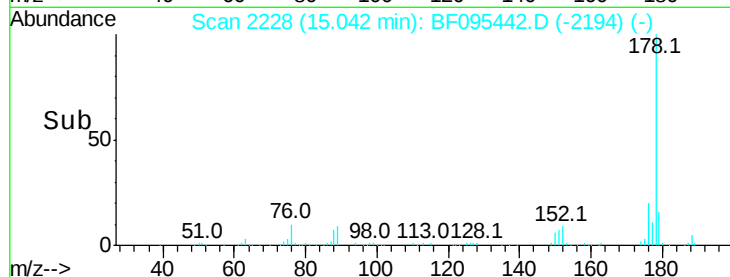
#71
 Anthracene
 Concen: 13.02 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.10 min
 Lab File: BF095442.D
 Acq: 26 May 2017 1:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 165443
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 16.0 12.7 19.1

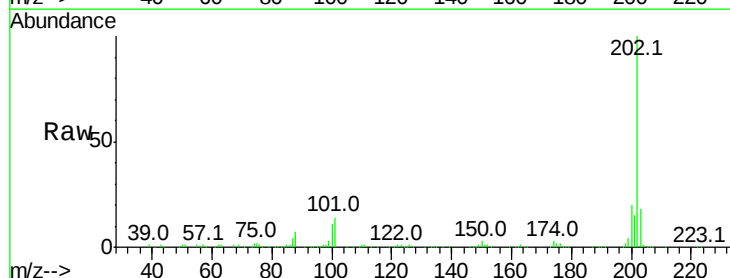


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

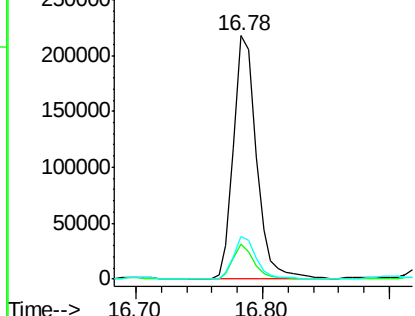
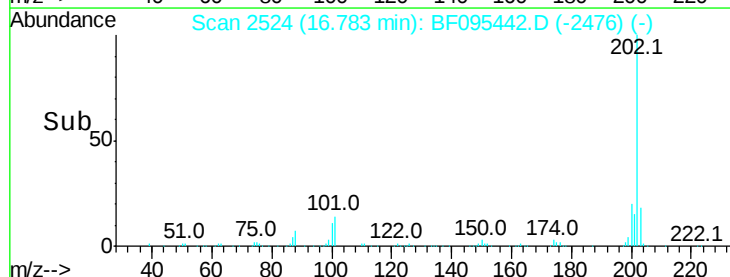


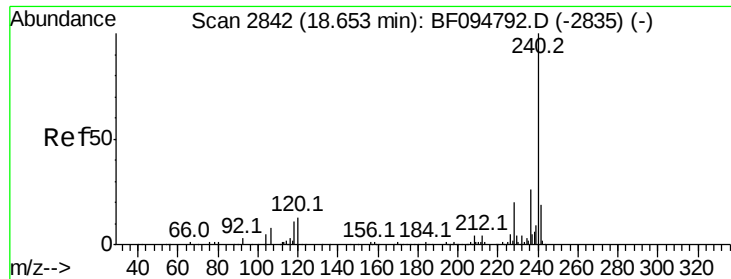
#74
 Fluoranthene
 Concen: 21.44 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. -0.02 min
 Lab File: BF095442.D
 Acq: 26 May 2017 1:13

Tgt Ion:202 Resp: 273515
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 33.2
 203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.68 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

Instrument :

BNA_F

ClientSampleId :

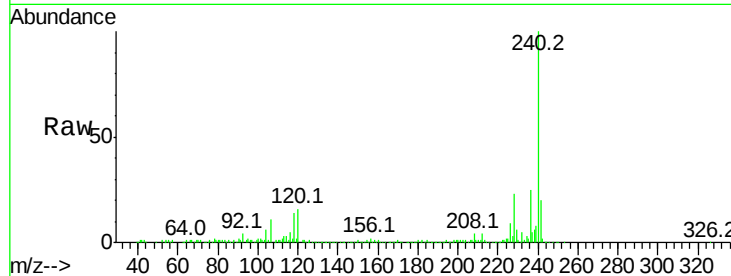
Tot Ion:240 Resp: 185533

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

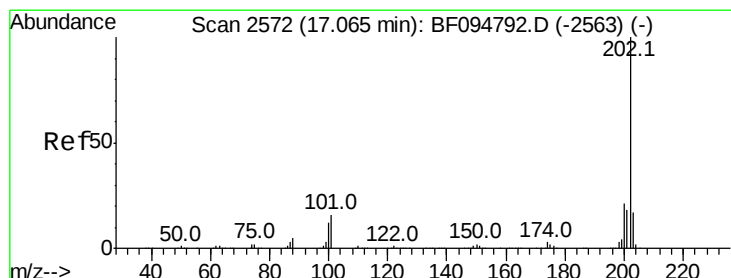
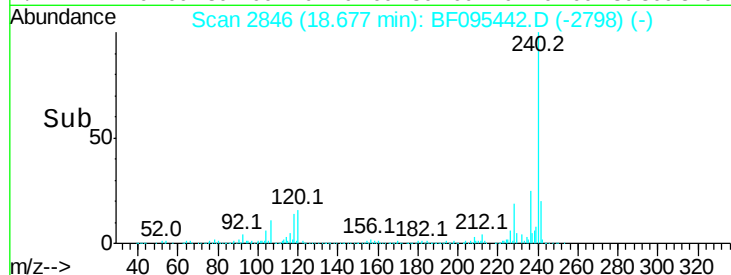
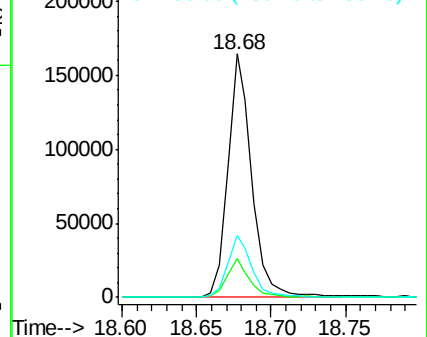
236 25.2 20.5 30.7



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: 19.34 ng

RT: 17.09 min Scan# 2576

Delta R.T. -0.02 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

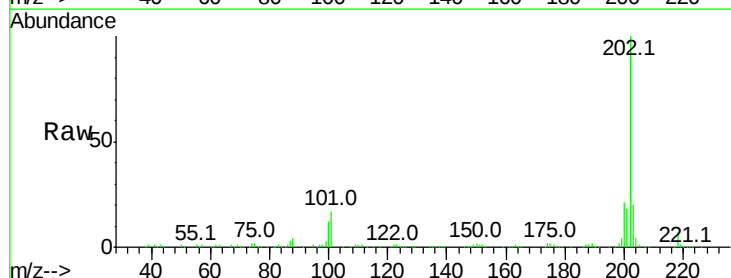
Tgt Ion:202 Resp: 268401

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

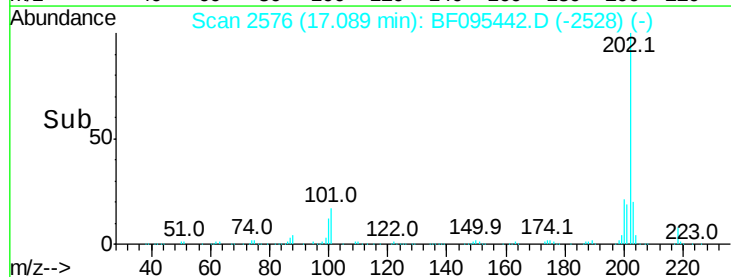
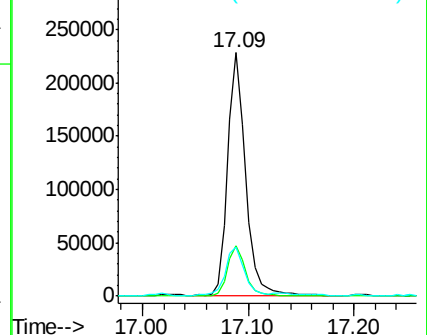
203 20.0 14.4 21.6

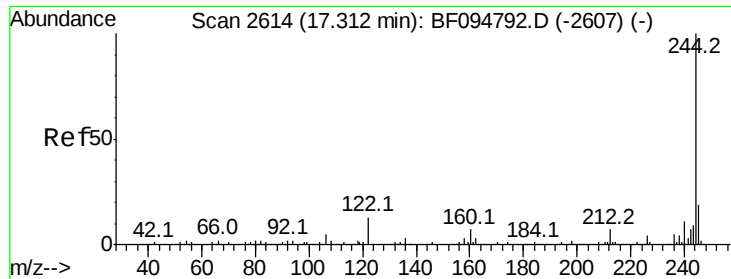


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 34.94 ng

RT: 17.32 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

Instrument :

BNA_F

ClientSampleId :

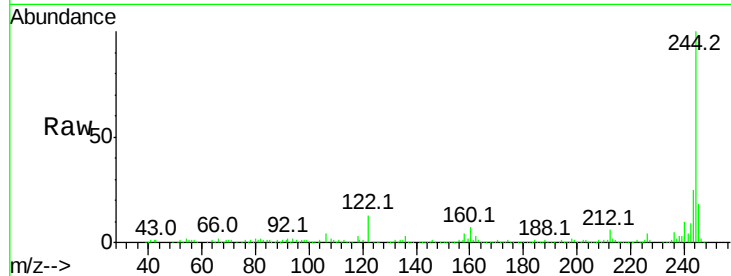
Tot Ion:244 Resp: 294287

Ion Ratio Lower Upper

244 100

212 6.4 6.0 9.0

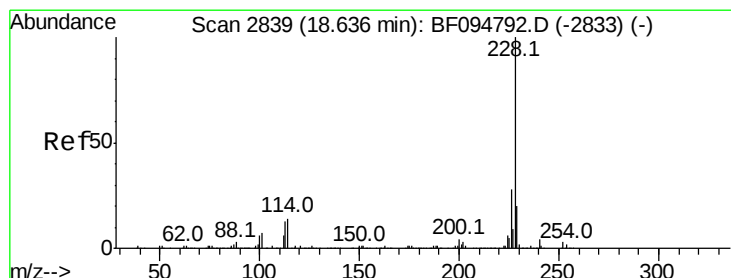
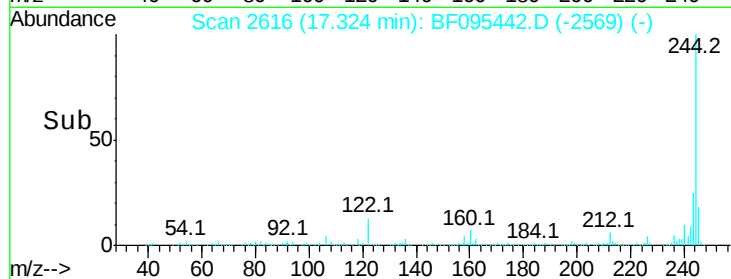
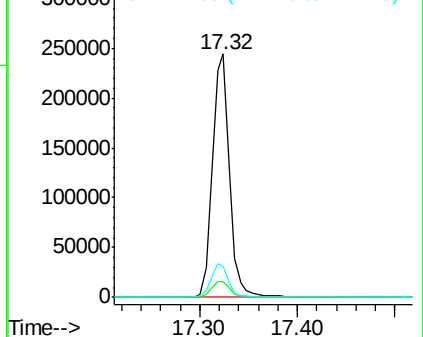
122 12.9 10.3 15.5



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: 9.89 ng

RT: 18.67 min Scan# 2844

Delta R.T. -0.02 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

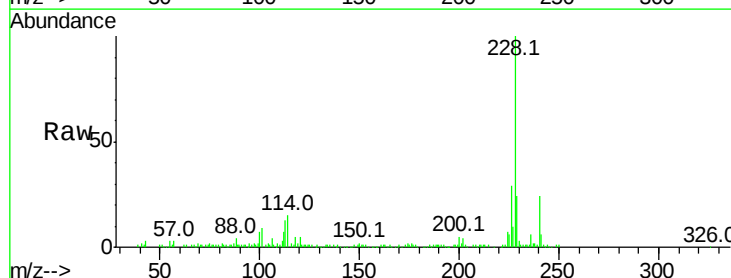
Tgt Ion:228 Resp: 106804

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

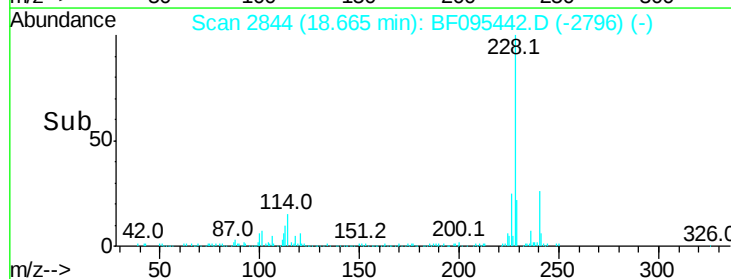
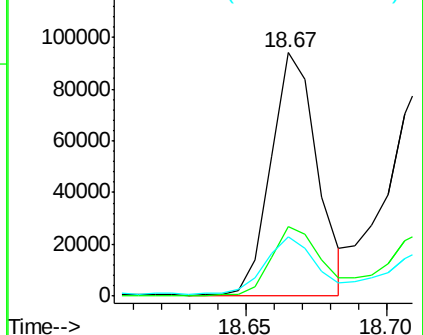
229 24.1 16.3 24.5

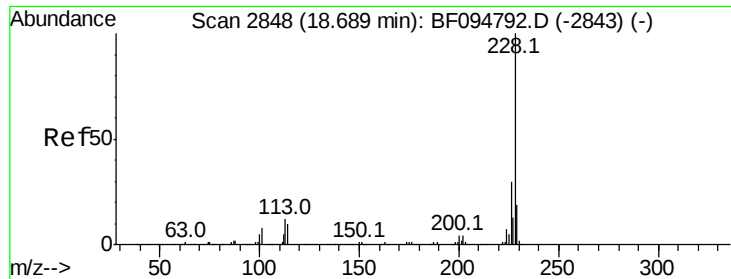


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

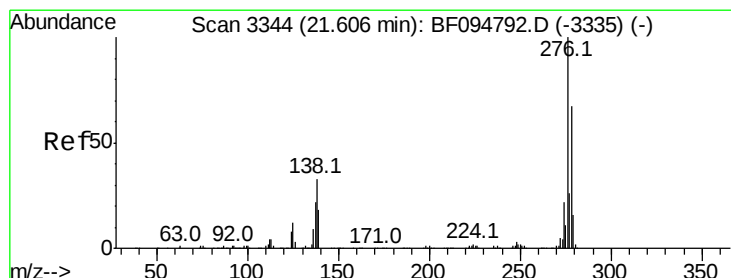
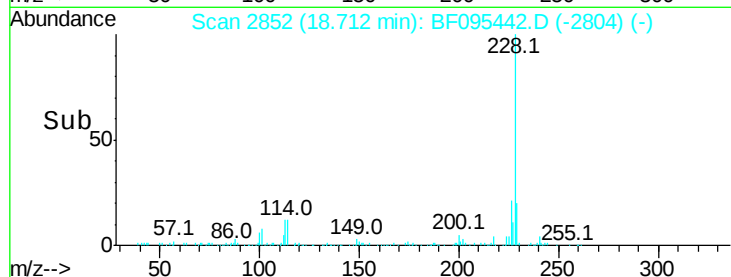
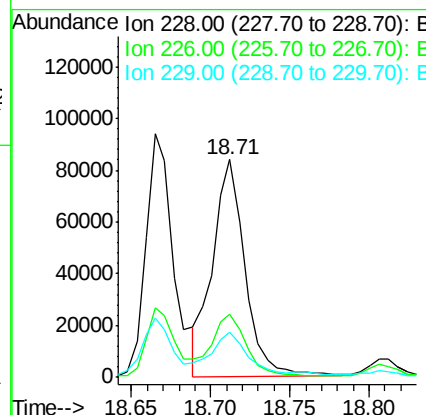
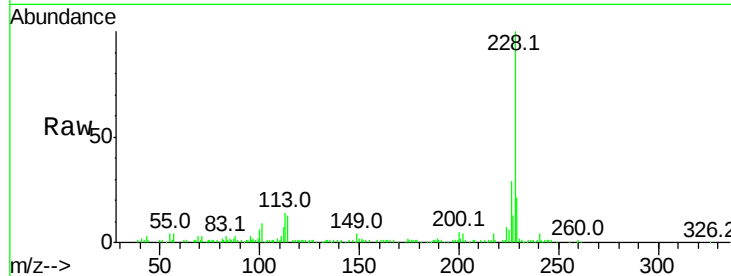




#82
 Chrysene
 Concen: 11.50 ng
 RT: 18.71 min Scan# 2852
 Delta R.T. -0.02 min
 Lab File: BF095442.D
 Acq: 26 May 2017 1:13

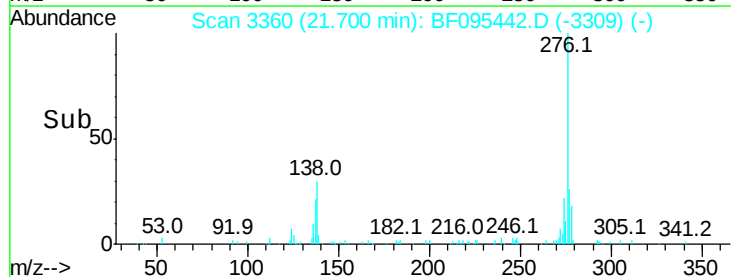
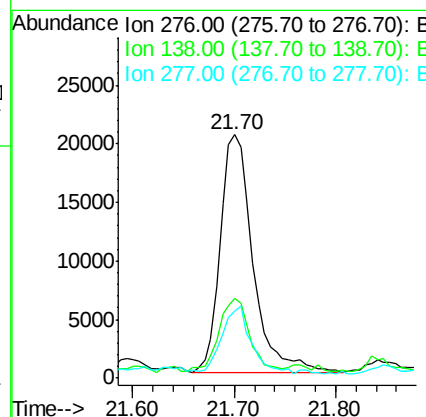
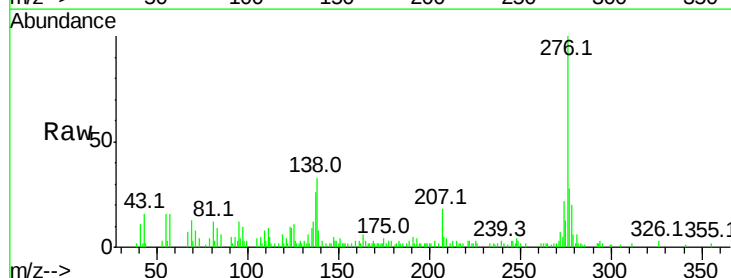
Instrument :
 BNA_F
 ClientSampleId :

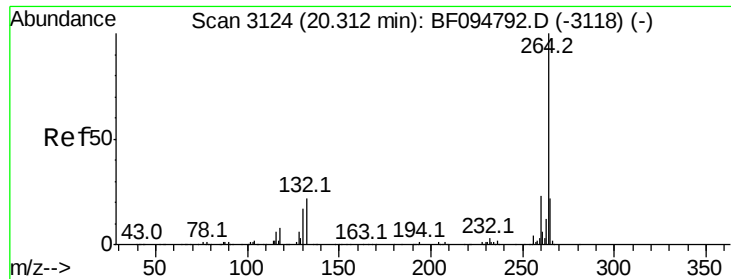
Tot Ion:228 Resp: 120042
 Ion Ratio Lower Upper
 228 100
 226 28.9 24.9 37.3
 229 20.9 15.8 23.6



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.40 ng
 RT: 21.70 min Scan# 3360
 Delta R.T. 0.00 min
 Lab File: BF095442.D
 Acq: 26 May 2017 1:13

Tgt Ion:276 Resp: 45810
 Ion Ratio Lower Upper
 276 100
 138 27.8 27.8 41.6
 277 25.1 20.2 30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 20.36 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

Instrument :

BNA_F

ClientSampleId :

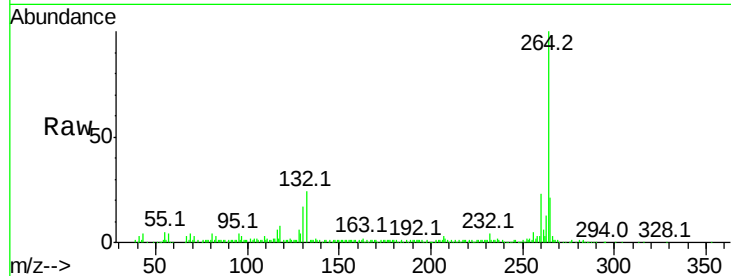
Tot Ion:264 Resp: 134668

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

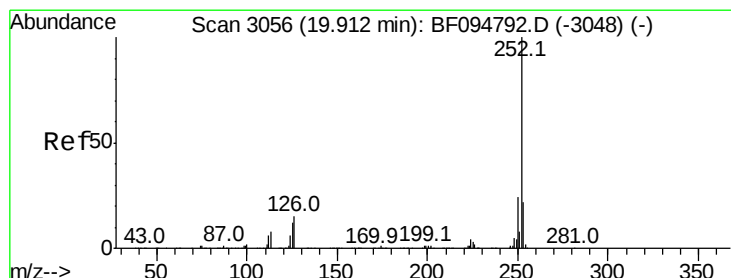
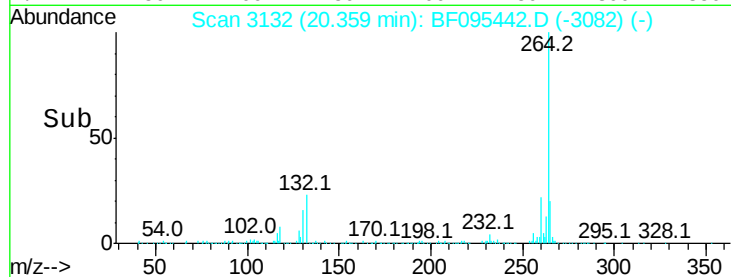
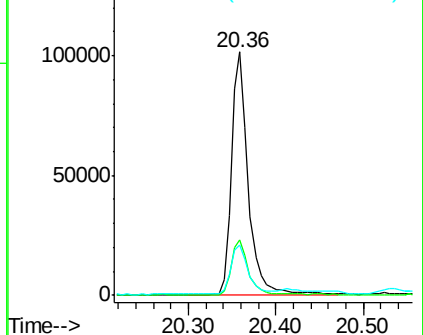
265 20.6 17.2 25.8



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: 18.49 ng

RT: 19.95 min Scan# 3063

Delta R.T. -0.01 min

Lab File: BF095442.D

Acq: 26 May 2017 1:13

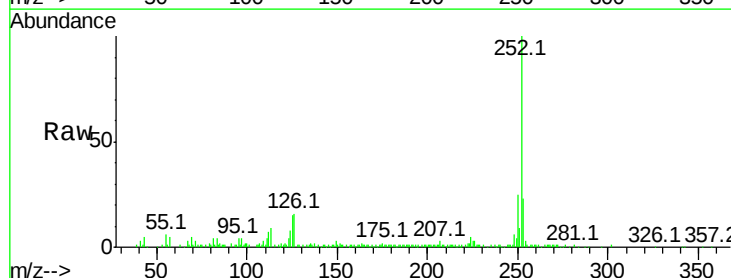
Tgt Ion:252 Resp: 153855

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

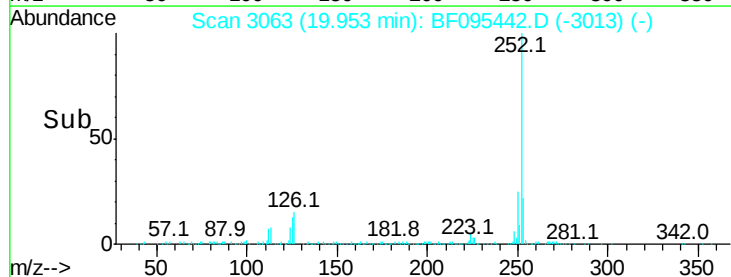
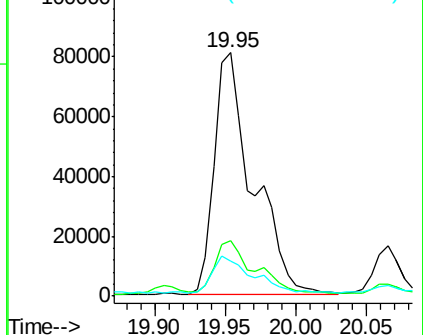
125 14.6 9.8 14.8

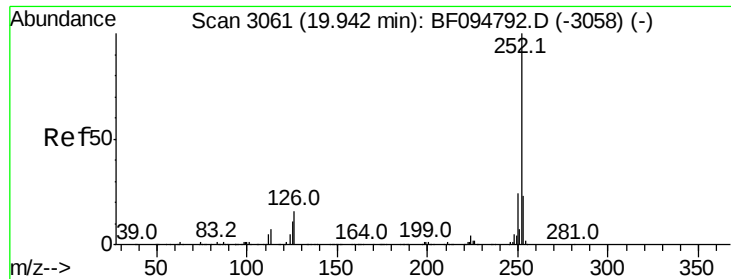


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

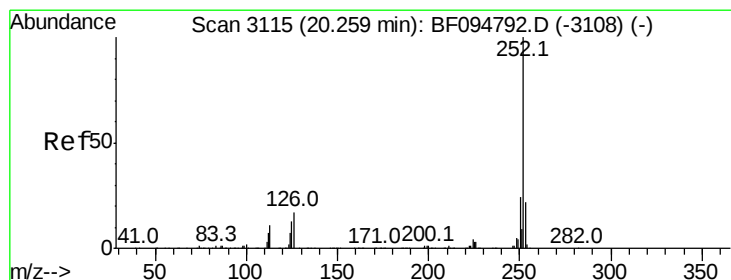
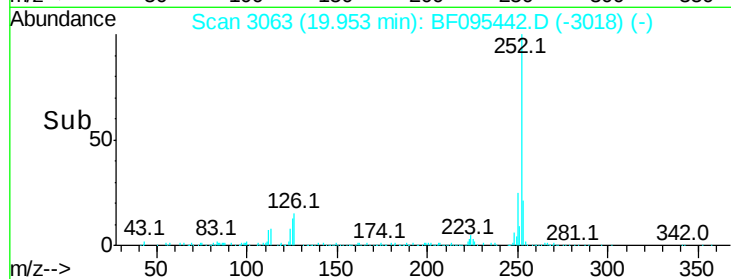
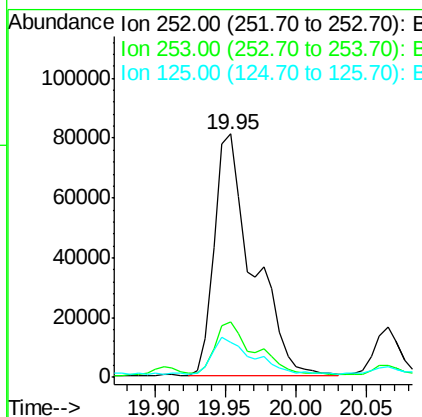
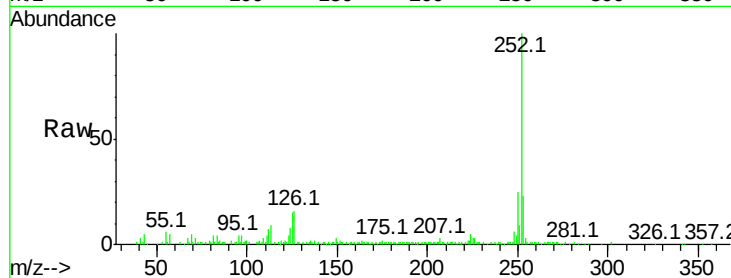




#88
Benzo(k)fluoranthene
Concen: 19.17 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.04 min
Lab File: BF095442.D
Acq: 26 May 2017 1:13

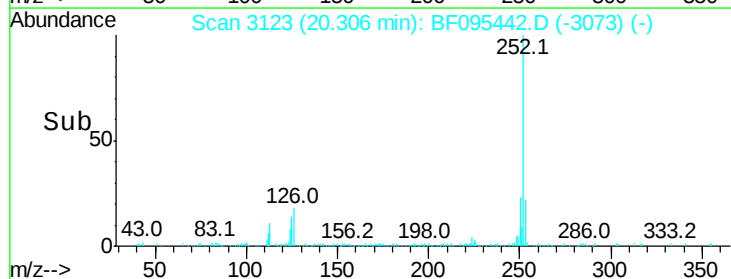
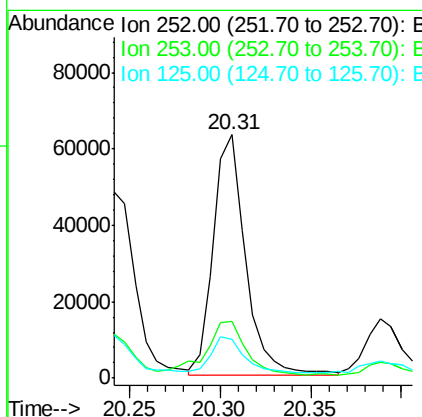
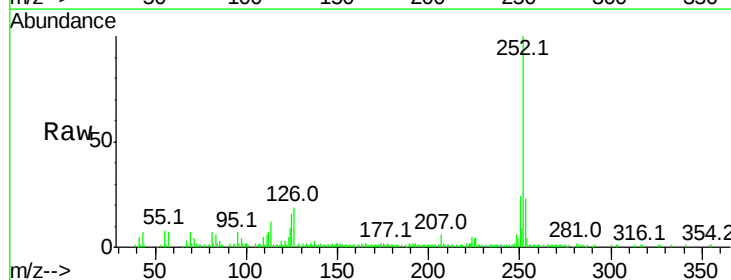
Instrument :
BNA_F
ClientSampled :

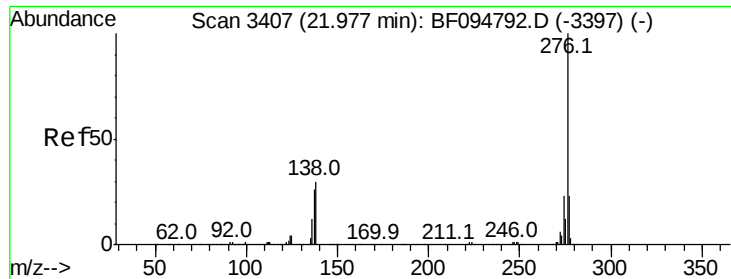
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	14.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 10.22 ng
RT: 20.31 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BF095442.D
Acq: 26 May 2017 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.1	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.64 ng
 RT: 22.09 min Scan# 3426
 Delta R.T. 0.01 min
 Lab File: BF095442.D
 Acq: 26 May 2017 1:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.6	28.0
138	35.3	25.4	38.0

