

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052717\
 Data File : BF095516.D
 Acq On : 28 May 2017 1:34
 Operator : SJ/MA
 Sample : I3244-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 29 01:18:44 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

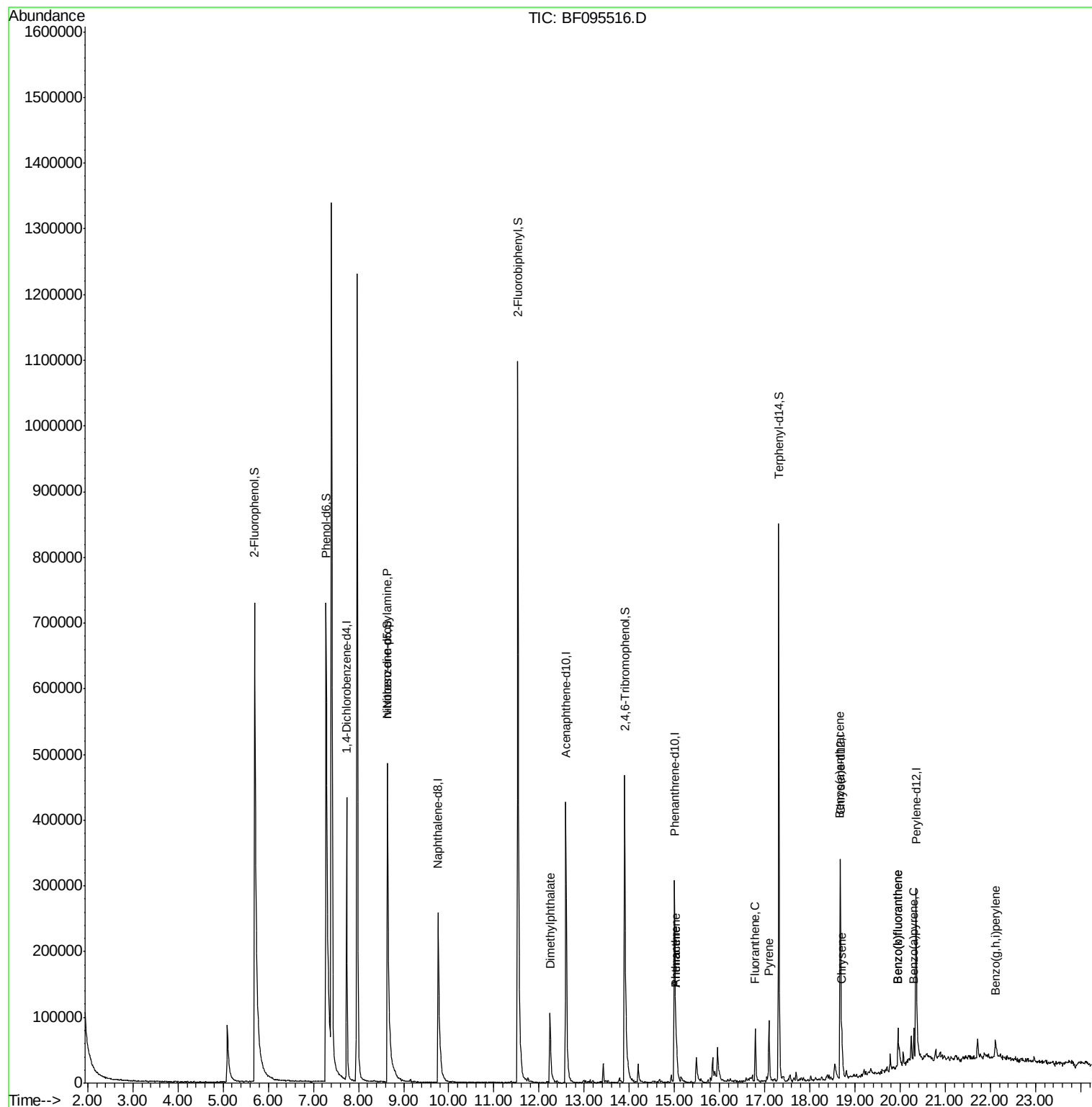
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	99818	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	338405	20.00	ng	0.00
38) Acenaphthene-d10	12.59	164	161981	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	237029	20.00	ng	0.00
75) Chrysene-d12	18.68	240	172621	20.00	ng	0.00
86) Perylene-d12	20.35	264	145182	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.70	112	640397	106.96	ng	0.00
7) Phenol-d6	7.28	99	762016	106.08	ng	-0.01
23) Nitrobenzene-d5	8.64	82	387917	72.28	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	124332	93.72	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	740560	65.81	ng	0.00
78) Terphenyl-d14	17.31	244	348807	44.51	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	45543	9.37	ng	# 77
49) Dimethylphthalate	12.24	163	107635	8.09	ng	# 98
70) Phenanthrene	15.04	178	37398	2.75	ng	96
71) Anthracene	15.04	178	37398	2.69	ng	96
74) Fluoranthene	16.79	202	58152	4.16	ng	97
77) Pyrene	17.09	202	54808	4.25	ng	96
80) Benzo(a)anthracene	18.67	228	25433	2.53	ng	97
82) Chrysene	18.71	228	34003	3.50	ng	97
87) Benzo(b)fluoranthene	19.95	252	47744	5.32	ng	98
88) Benzo(k)fluoranthene	19.95	252	47744	5.52	ng	96
89) Benzo(a)pyrene	20.31	252	24713	2.99	ng	94
91) Benzo(a,h,i)perylene	22.11	276	15138	2.26	ng	# 83

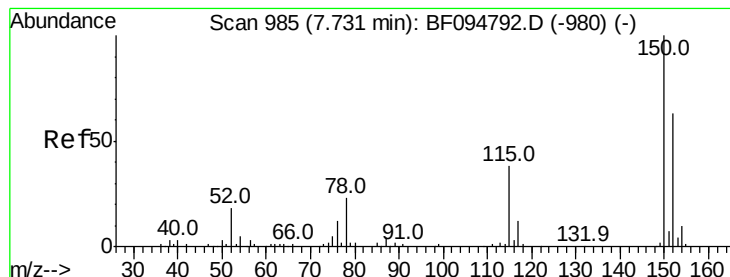
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 26 16:50:16 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.74 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

ClientSampleId :

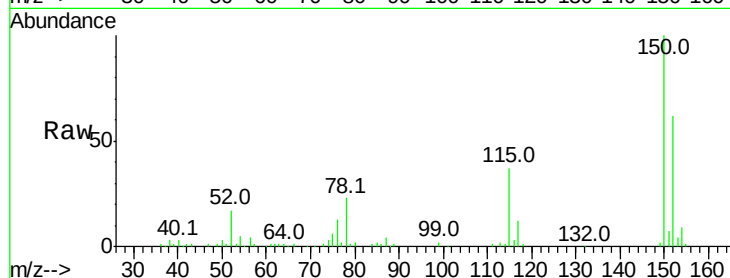
Tot Ion:152 Resp: 99818

Ion Ratio Lower Upper

152 100

150 161.1 126.2 189.2

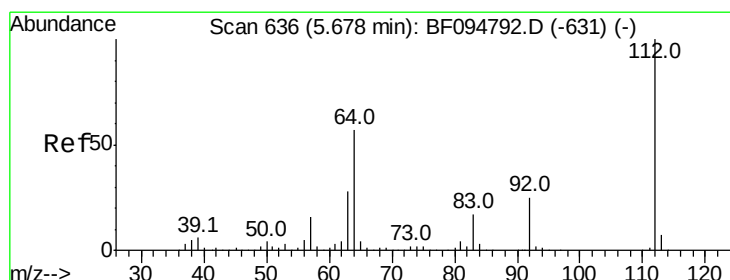
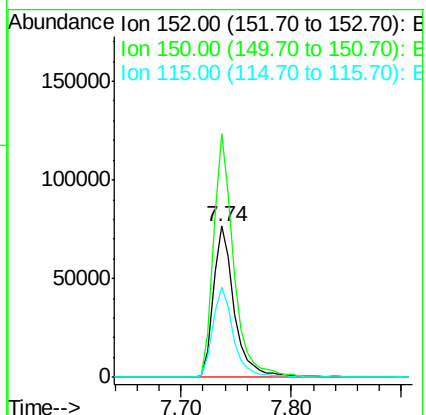
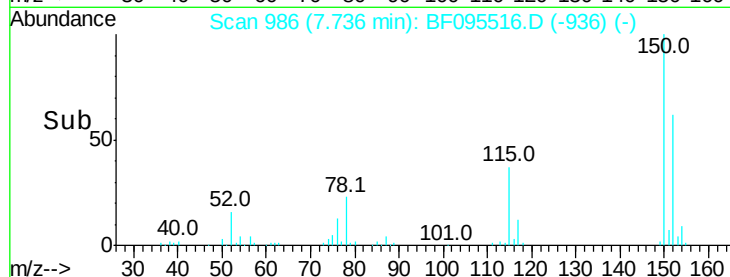
115 59.7 52.2 78.2



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: 106.96 ng

RT: 5.70 min Scan# 640

Delta R.T. -0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

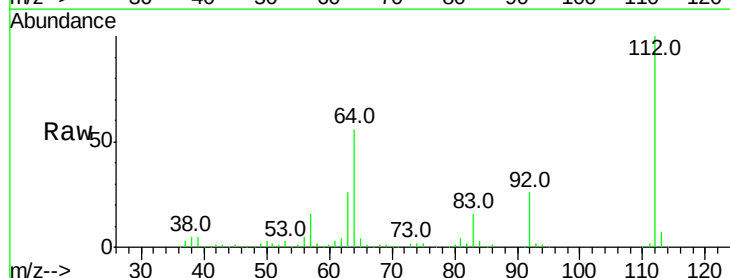
Tgt Ion:112 Resp: 640397

Ion Ratio Lower Upper

112 100

64 56.3 46.0 69.0

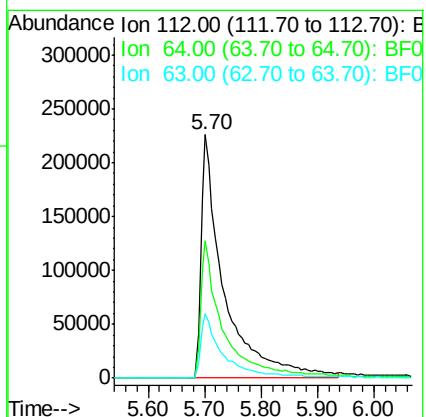
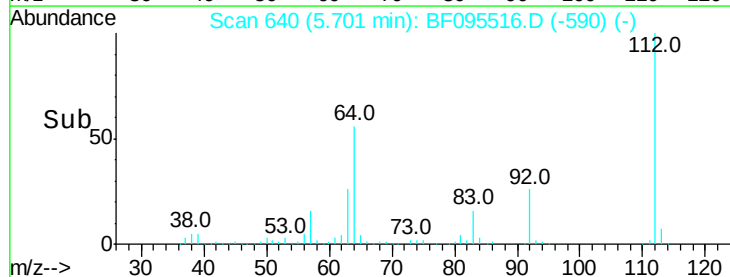
63 26.5 23.4 35.0

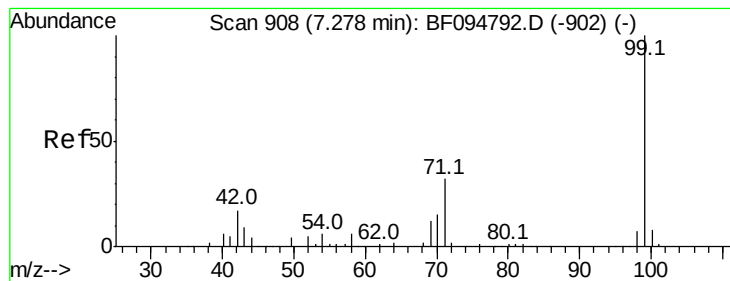


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.08 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

ClientSampled :

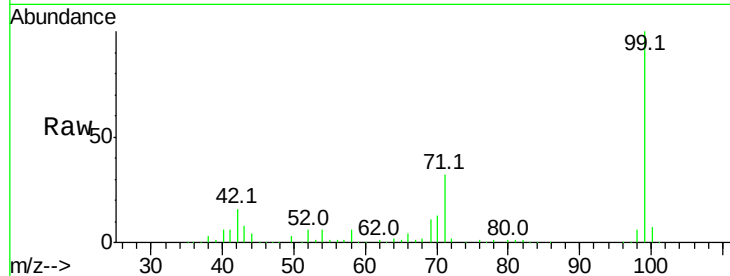
Tot Ion: 99 Resp: 762016

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

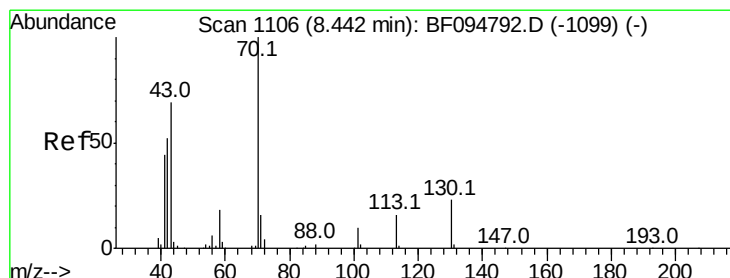
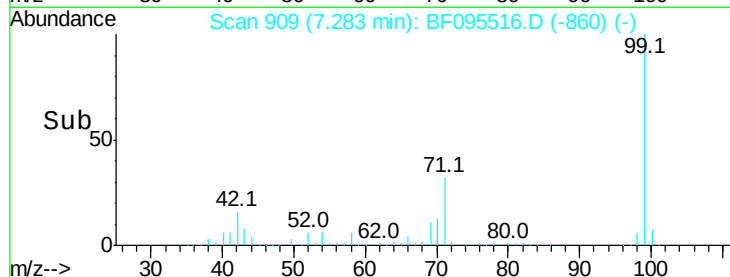
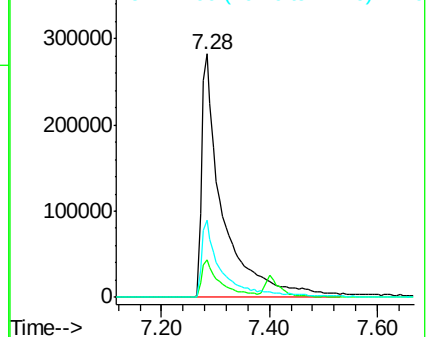
71 31.5 24.5 36.7



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: 9.37 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Tgt Ion: 70 Resp: 45543

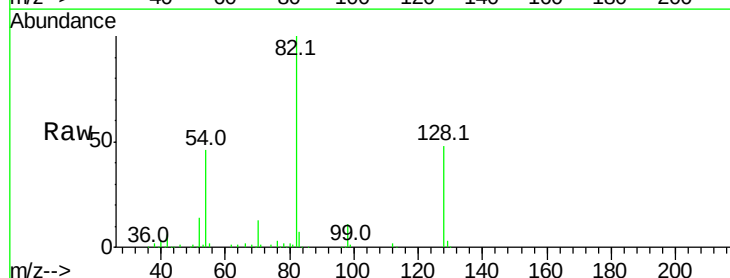
Ion Ratio Lower Upper

70 100

42 45.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.4 15.9 23.9#

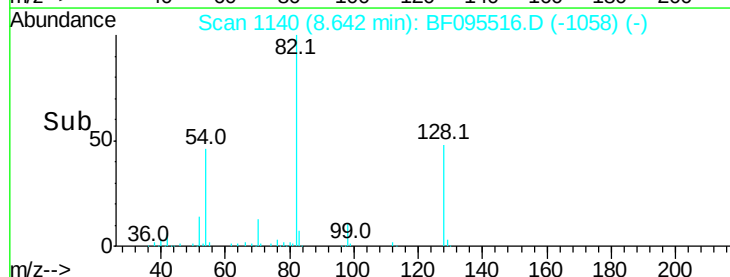
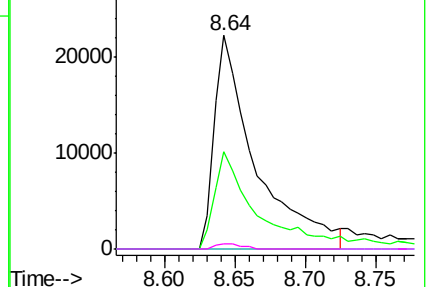


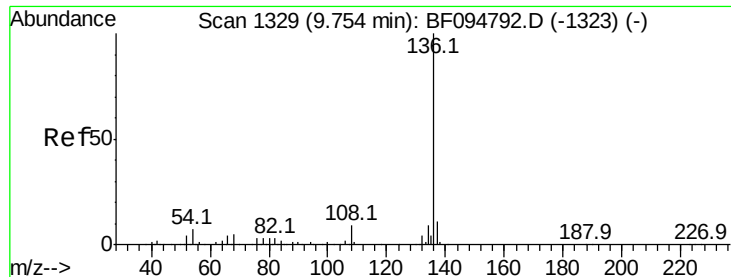
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

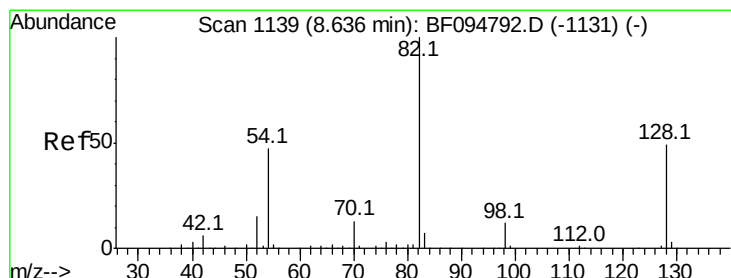
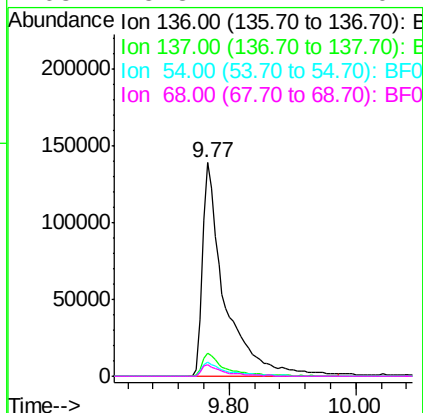
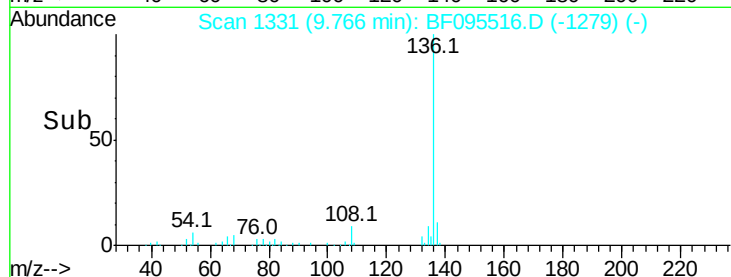
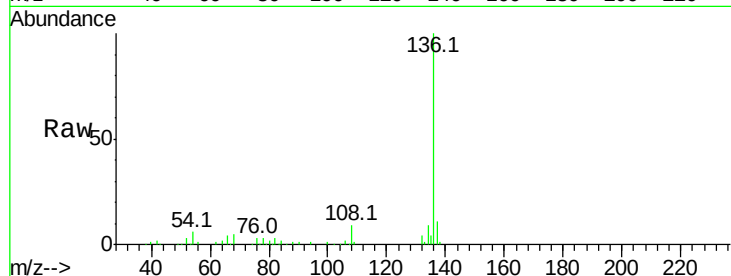




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.77 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

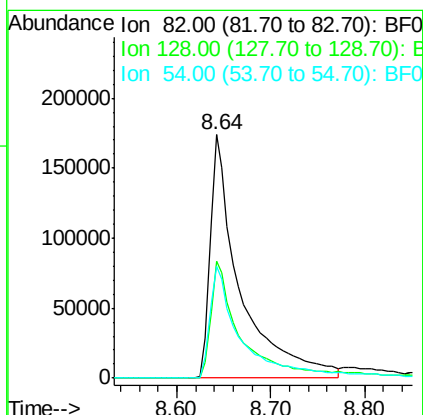
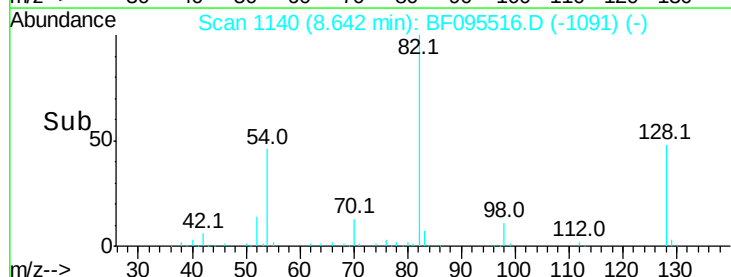
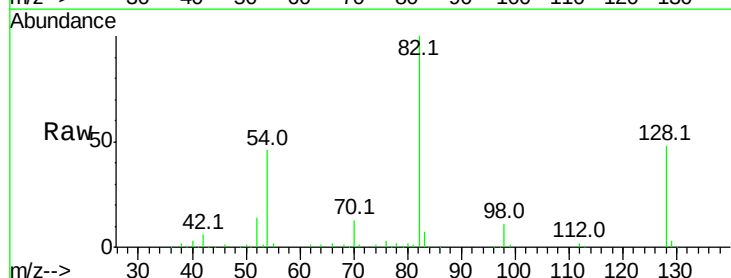
Instrument :
BNA_F
ClientSampleId :

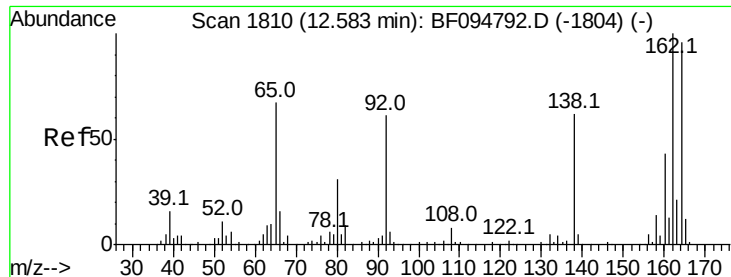
Tot Ion:136	Resp:	338405
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.5 12.7
54	6.4	4.9 7.3
68	5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 72.28 ng
RT: 8.64 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion: 82	Resp:	387917
Ion Ratio	Lower	Upper
82	100	
128	48.2	34.0 51.0
54	45.7	42.2 63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.59 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

ClientSampleId :

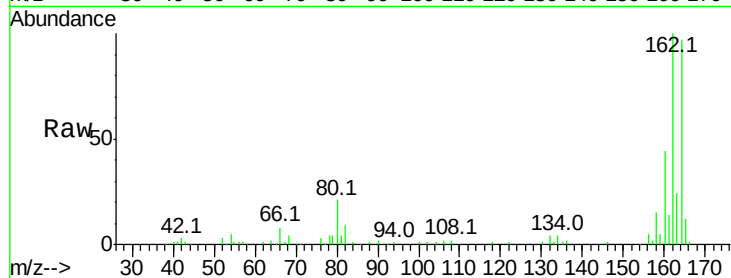
Tot Ion:164 Resp: 161981

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

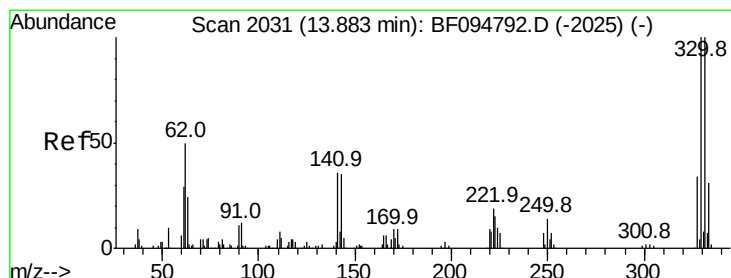
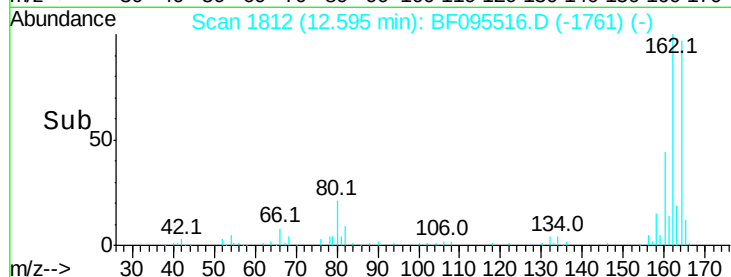
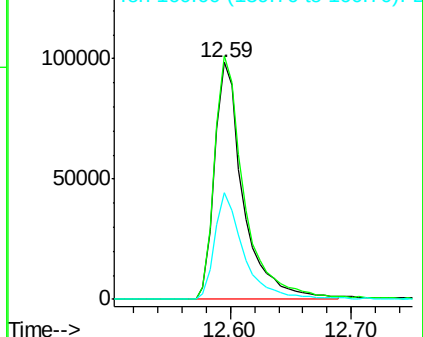
160 44.9 36.2 54.2



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: 93.72 ng

RT: 13.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

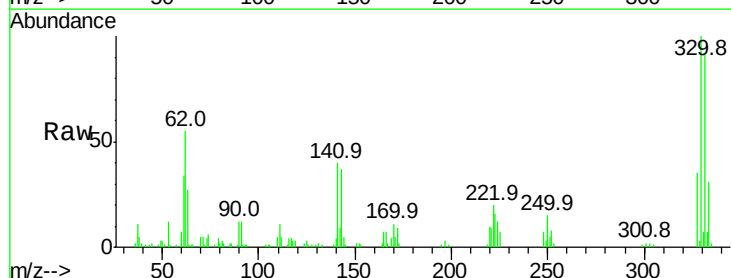
Tgt Ion:330 Resp: 124332

Ion Ratio Lower Upper

330 100

332 96.1 76.6 115.0

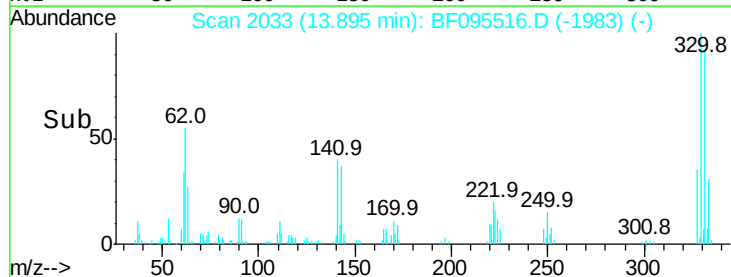
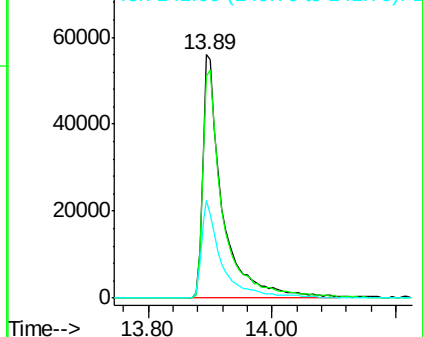
141 40.9 31.4 47.2

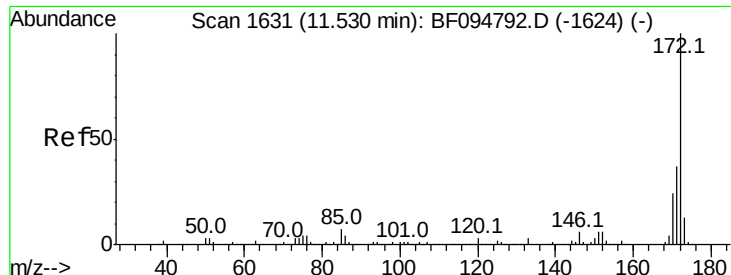


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

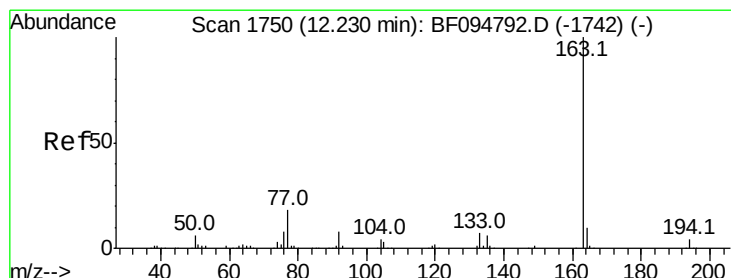
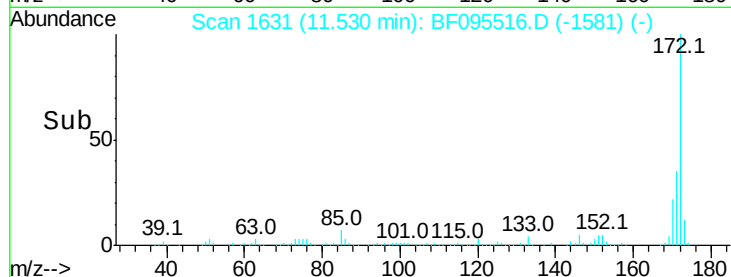
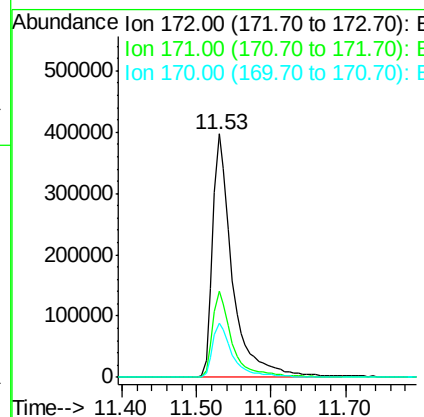
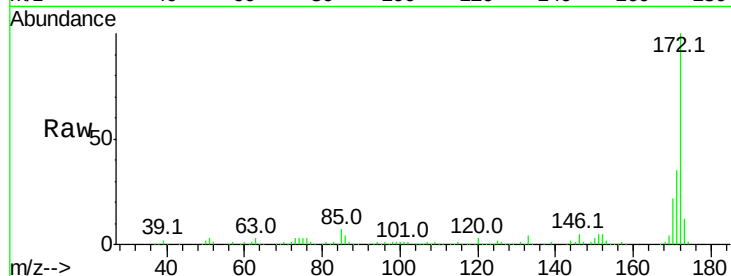




#44
2-Fluorobiphenyl
Concen: 65.81 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

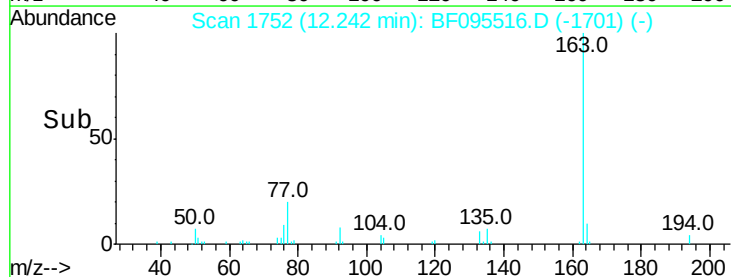
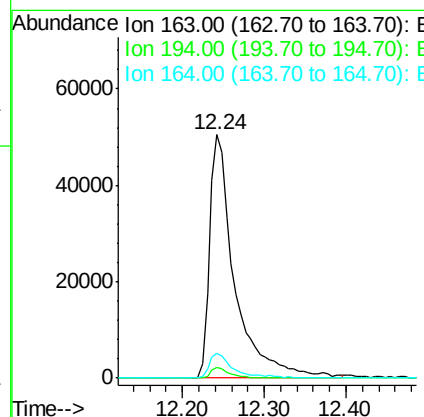
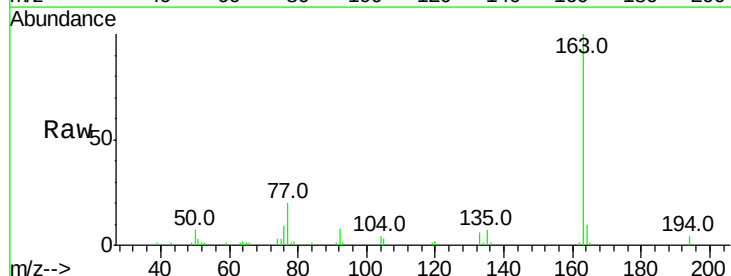
Instrument :
BNA_F
ClientSampleId :

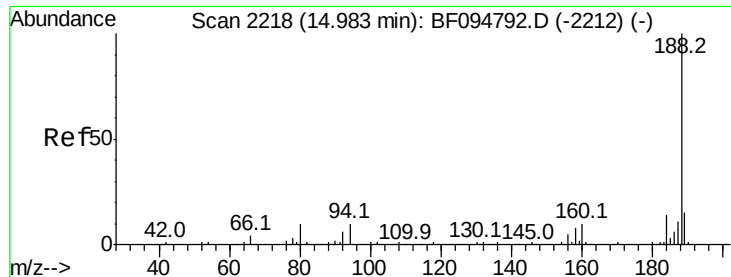
Tot Ion:172 Resp: 740560
Ion Ratio Lower Upper
172 100
171 35.2 29.6 44.4
170 22.4 19.8 29.8



#49
Dimethylphthalate
Concen: 8.09 ng
RT: 12.24 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion:163 Resp: 107635
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 9.9 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: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

ClientSampleId :

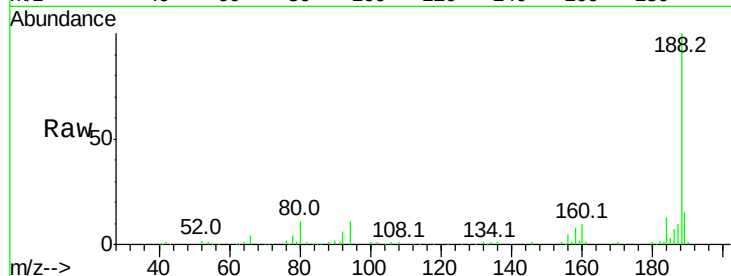
Tot Ion:188 Resp: 237029

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

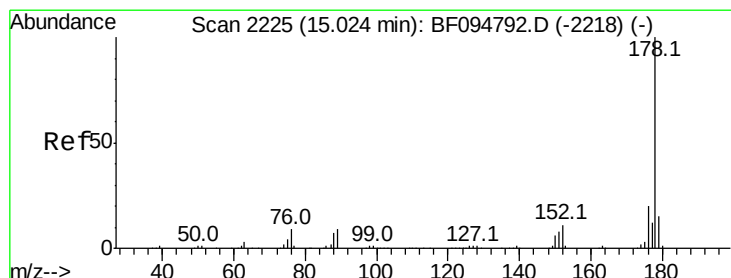
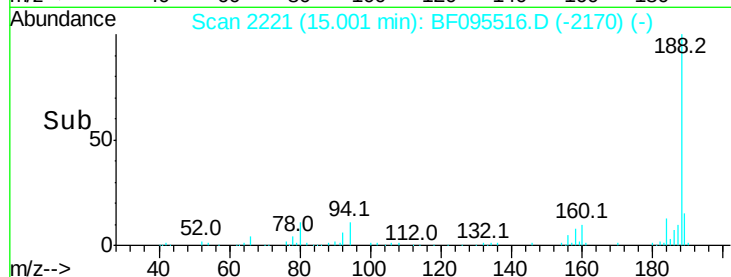
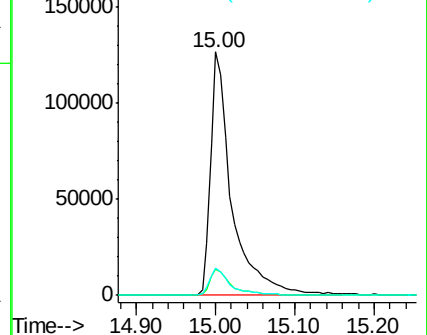
80 11.2 10.2 15.2



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: 2.75 ng

RT: 15.04 min Scan# 2228

Delta R.T. -0.00 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

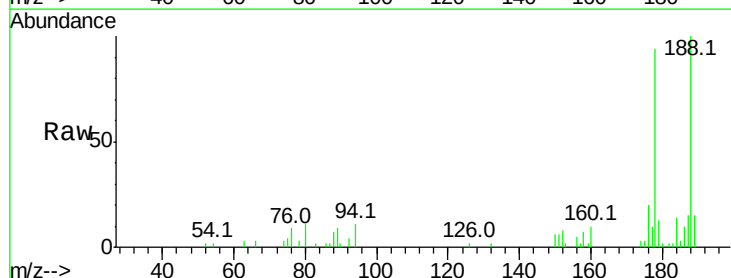
Tgt Ion:178 Resp: 37398

Ion Ratio Lower Upper

178 100

176 21.6 16.2 24.4

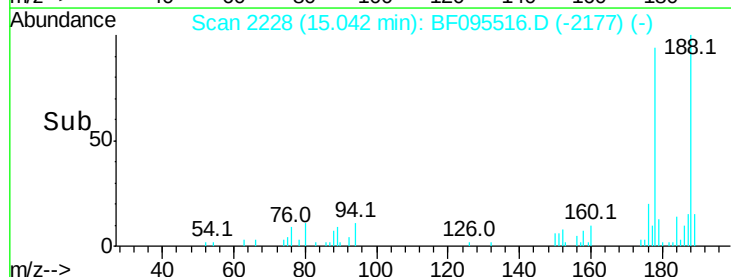
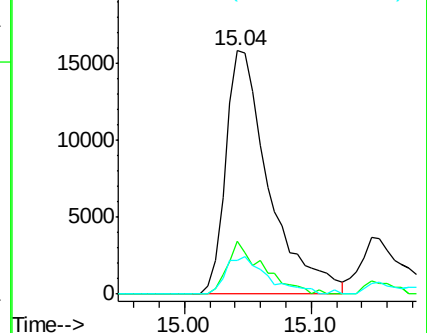
179 13.8 12.6 19.0

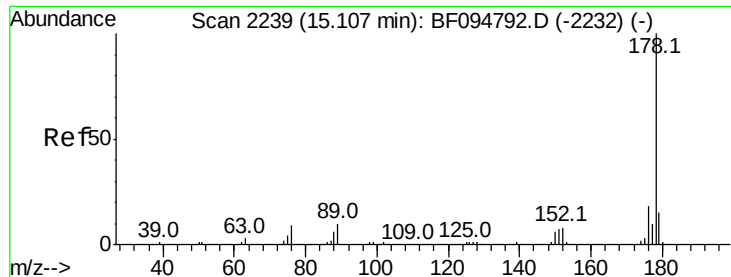


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

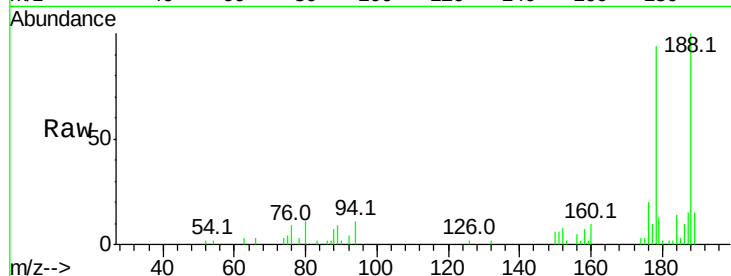




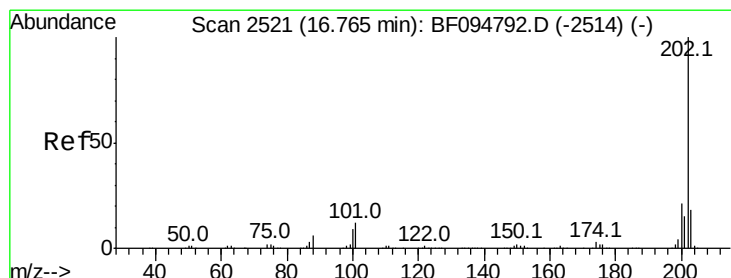
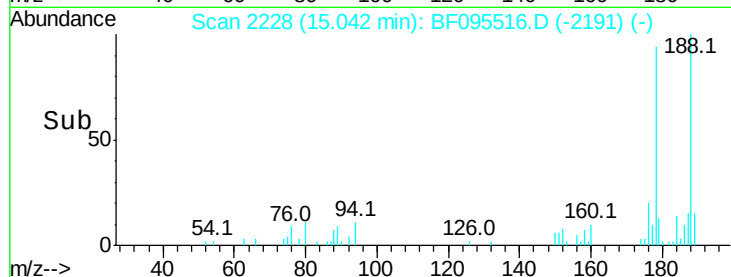
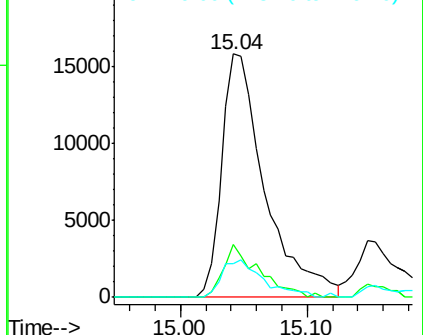
#71
 Anthracene
 Concen: 2.69 ng
 RT: 15.04 min Scan# 2228
 Delta R.T. -0.08 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 37398
 Ion Ratio Lower Upper
 178 100
 176 21.6 15.8 23.8
 179 13.8 12.7 19.1

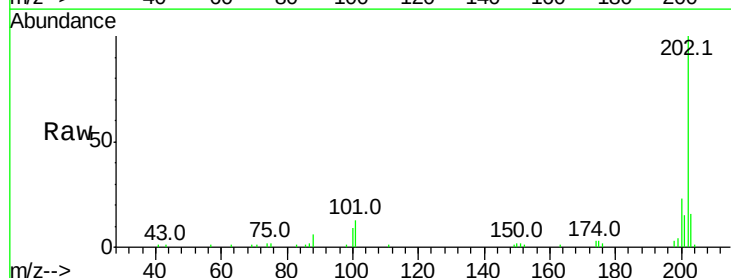


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

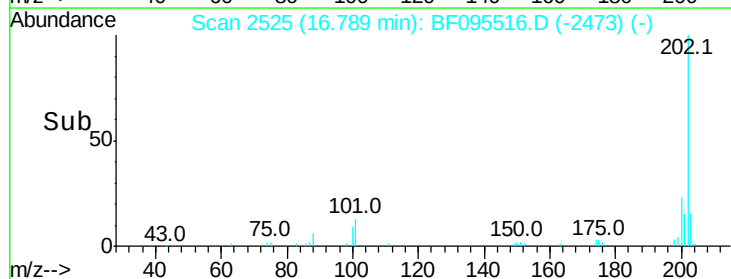
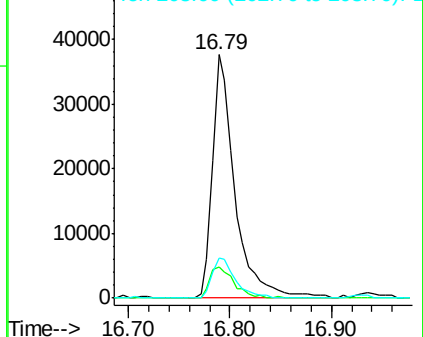


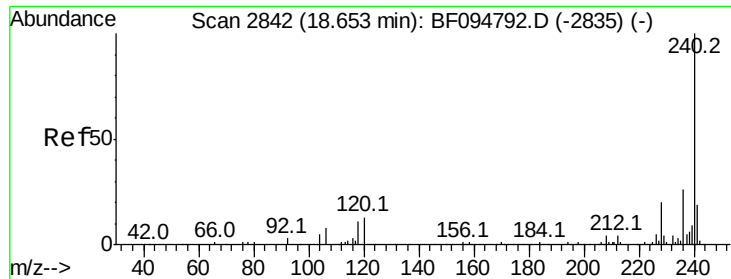
#74
 Fluoranthene
 Concen: 4.16 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Tgt Ion:202 Resp: 58152
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 33.2
 203 16.4 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. -0.00 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

ClientSampleId :

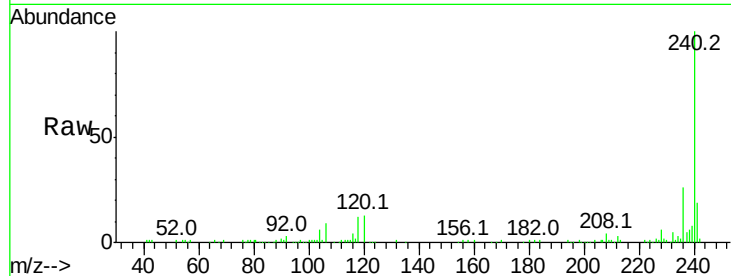
Tot Ion:240 Resp: 172621

Ion Ratio Lower Upper

240 100

120 13.4 5.8 8.8#

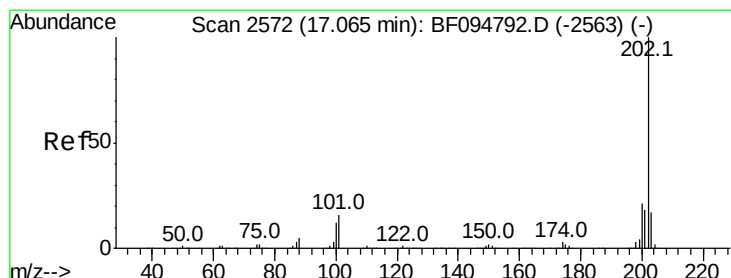
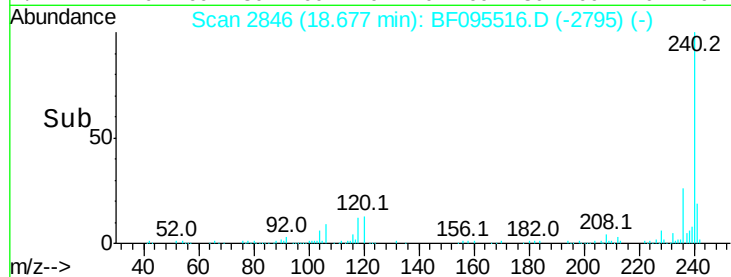
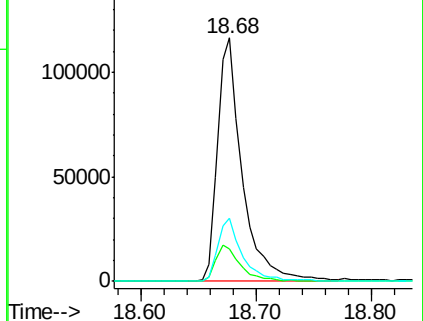
236 25.7 20.5 30.7



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: 4.25 ng

RT: 17.09 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

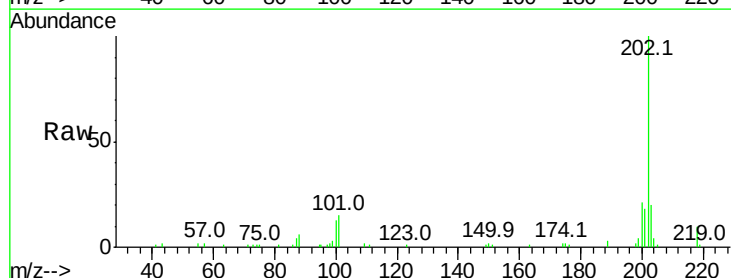
Tgt Ion:202 Resp: 54808

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

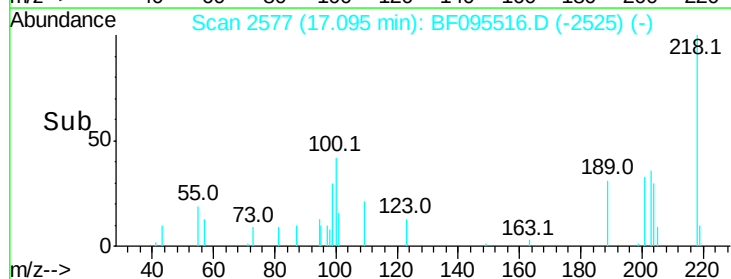
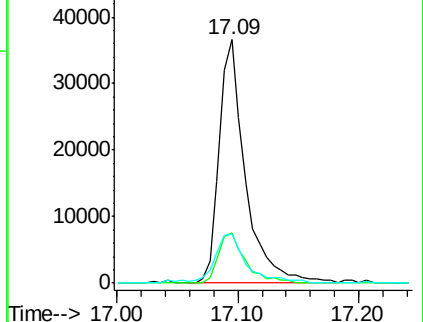
203 20.4 14.4 21.6

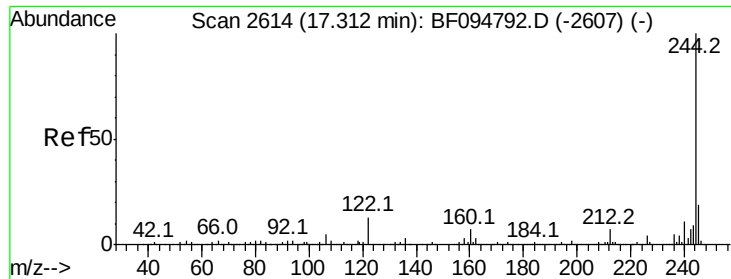


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

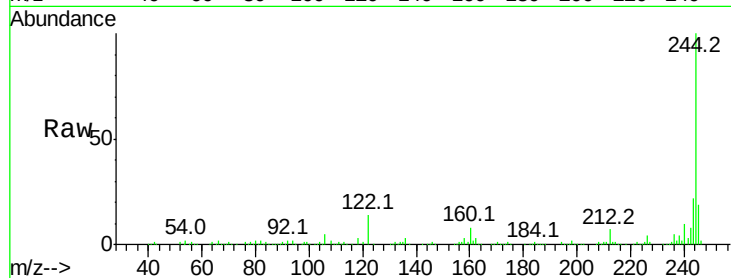




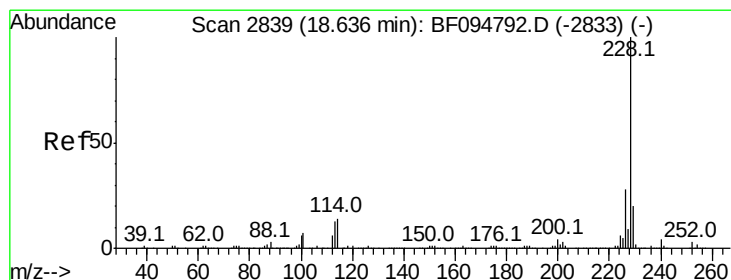
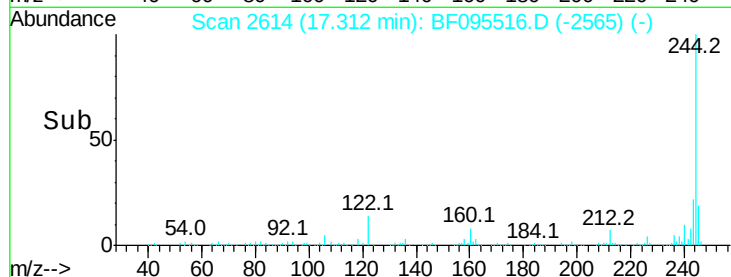
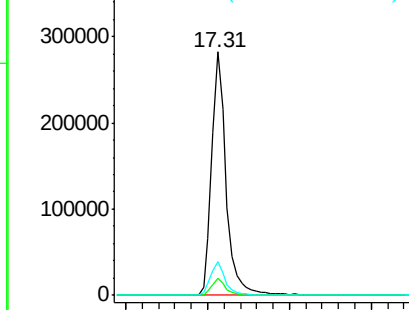
#78
 Terphenyl-d14
 Concen: 44.51 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 348807
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 13.8 10.3 15.5

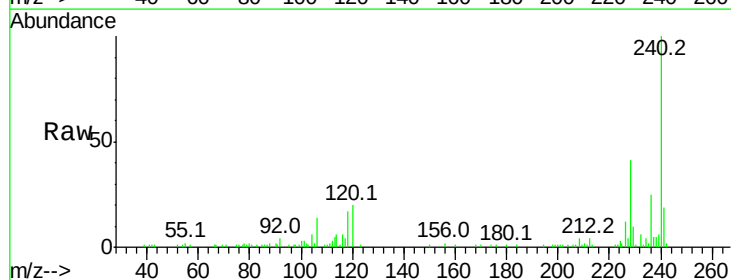


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

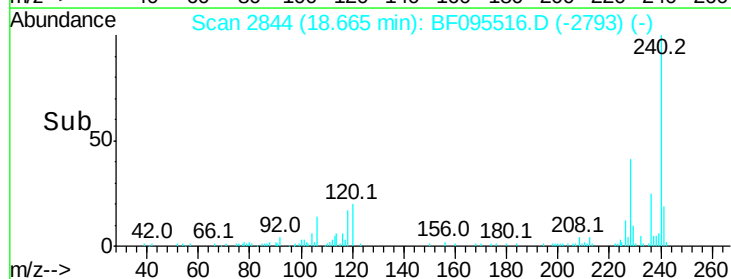
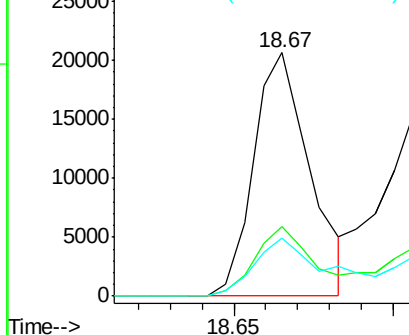


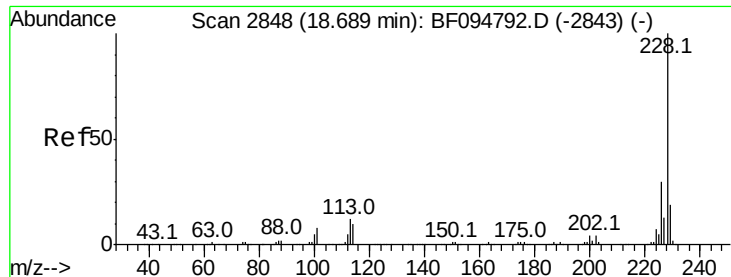
#80
 Benzo(a)anthracene
 Concen: 2.53 ng
 RT: 18.67 min Scan# 2844
 Delta R.T. -0.00 min
 Lab File: BF095516.D
 Acq: 28 May 2017 1:34

Tgt Ion:228 Resp: 25433
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 33.8
 229 23.7 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

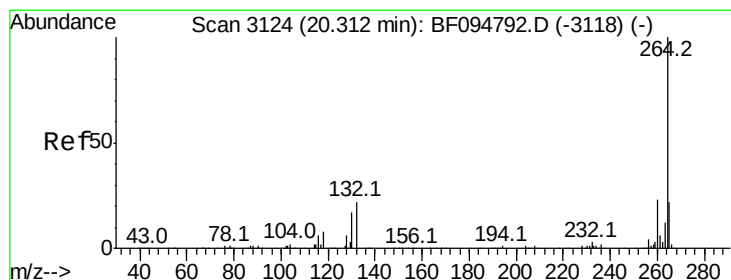
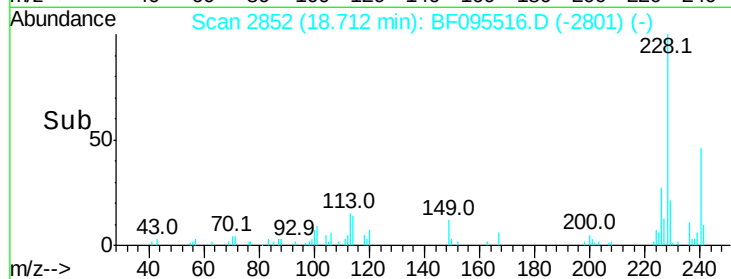
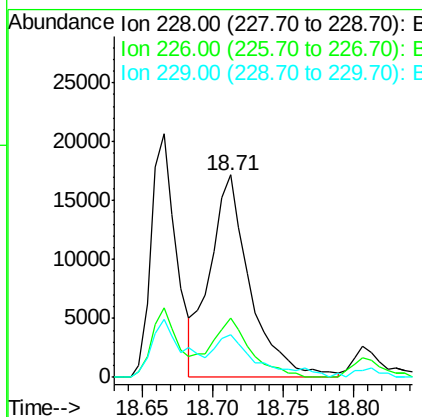
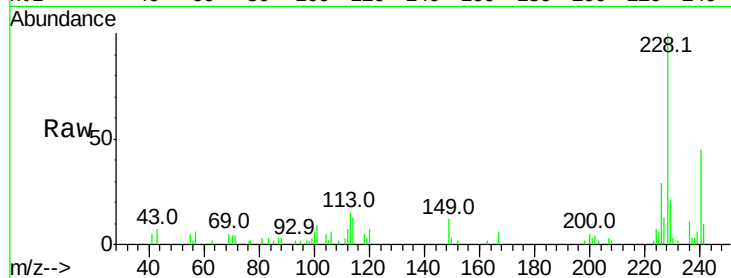




#82
Chrysene
Concen: 3.50 ng
RT: 18.71 min Scan# 2852
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

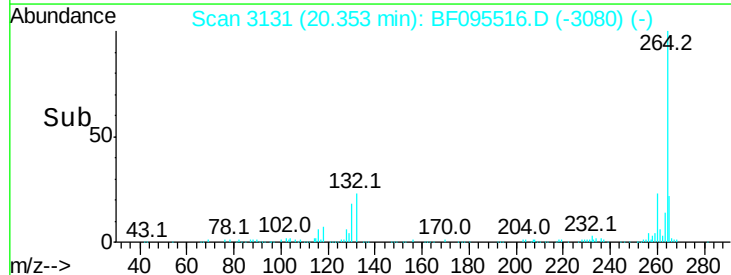
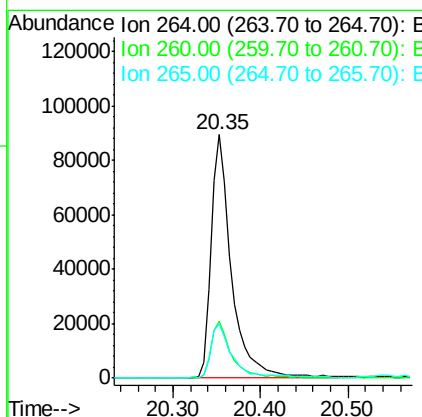
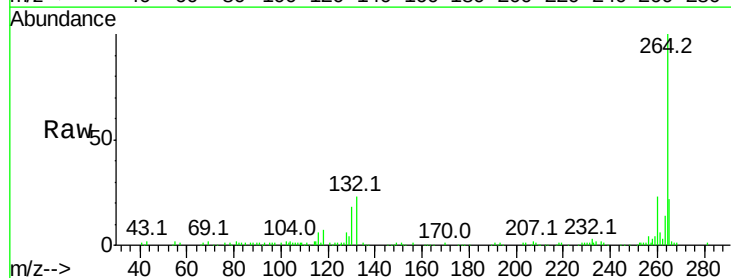
Instrument :
BNA_F
ClientSampleId :

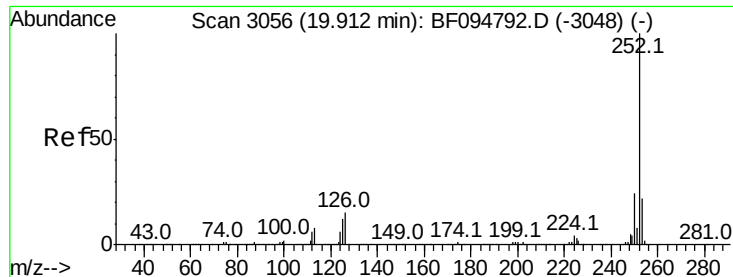
Tot Ion:228 Resp: 34003
Ion Ratio Lower Upper
228 100
226 29.3 24.9 37.3
229 21.0 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3131
Delta R.T. -0.00 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion:264 Resp: 145182
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 22.5 17.2 25.8

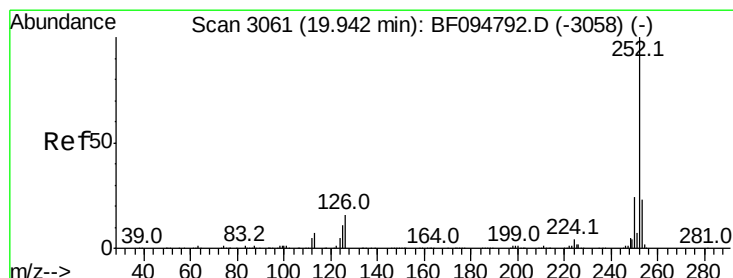
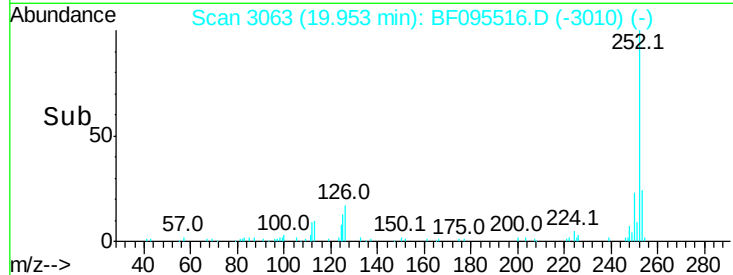
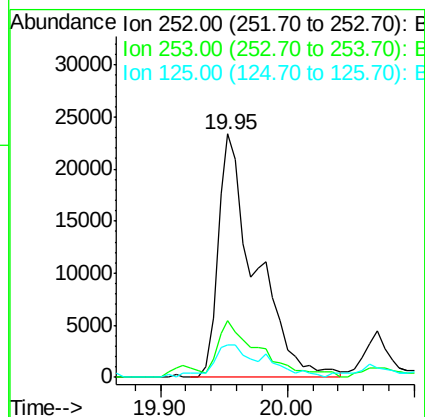
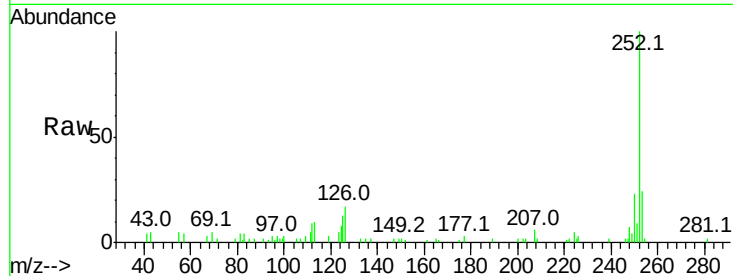




#87
Benzo(b)fluoranthene
Concen: 5.32 ng
RT: 19.95 min Scan# 3063
Delta R.T. 0.01 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

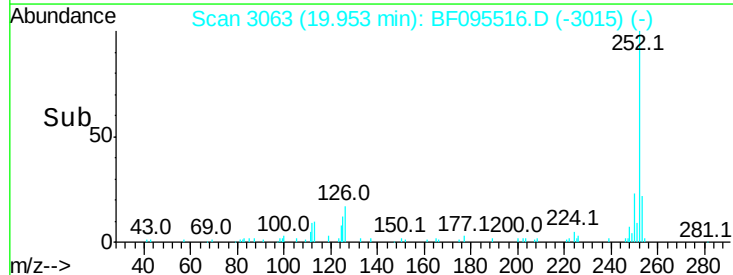
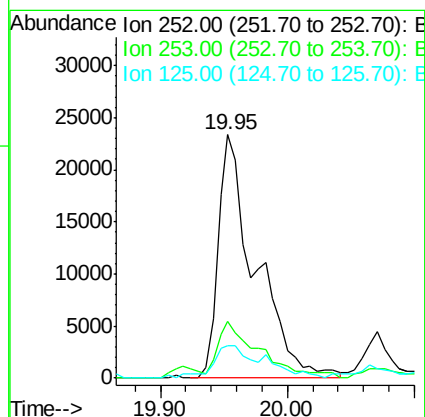
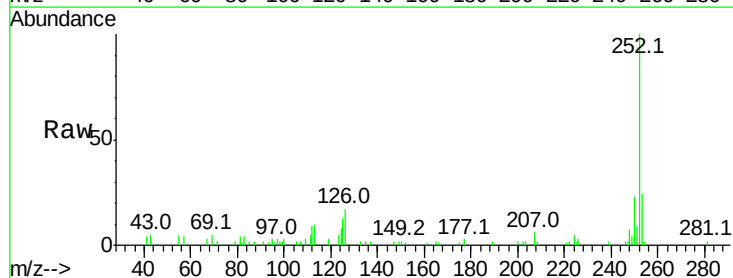
Instrument :
BNA_F
ClientSampleId :

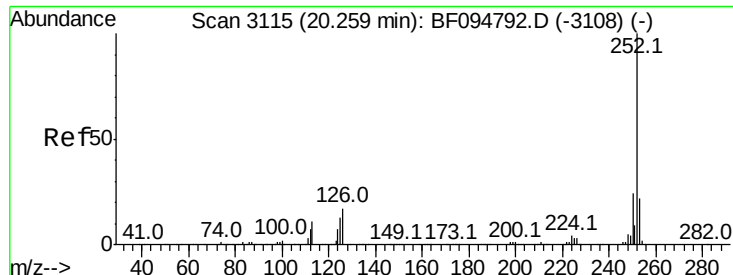
Tot Ion:252 Resp: 47744
Ion Ratio Lower Upper
252 100
253 23.5 18.1 27.1
125 13.4 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 5.52 ng
RT: 19.95 min Scan# 3063
Delta R.T. -0.02 min
Lab File: BF095516.D
Acq: 28 May 2017 1:34

Tgt Ion:252 Resp: 47744
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 13.4 13.1 19.7





#89

Benzo(a)pyrene

Concen: 2.99 ng

RT: 20.31 min Scan# 3123

Delta R.T. 0.01 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

Instrument :

BNA_F

ClientSampleId :

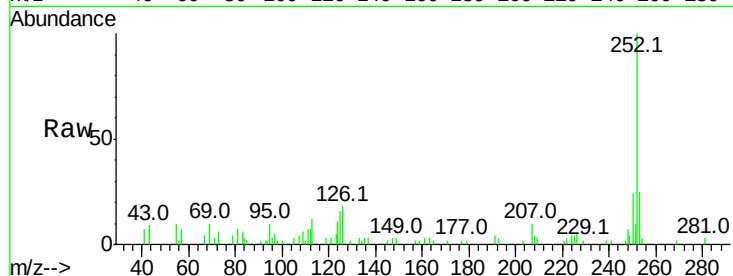
Tot Ion:252 Resp: 24713

Ion Ratio Lower Upper

252 100

253 24.9 17.5 26.3

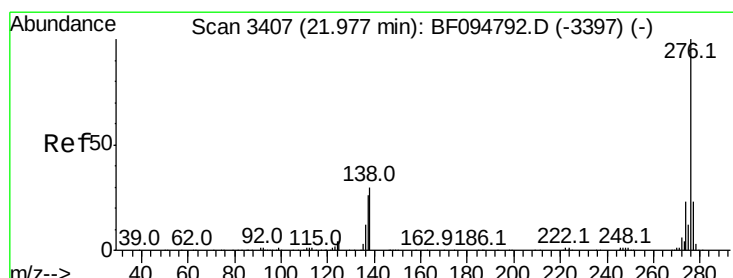
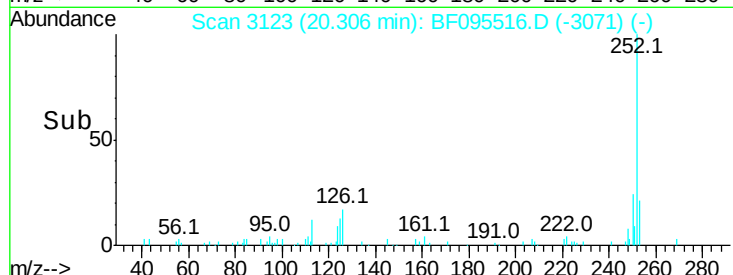
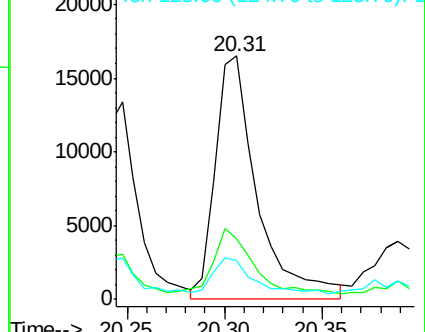
125 15.8 11.0 16.4



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



#91

Benzo(g,h,i)perylene

Concen: 2.26 ng

RT: 22.11 min Scan# 3430

Delta R.T. 0.04 min

Lab File: BF095516.D

Acq: 28 May 2017 1:34

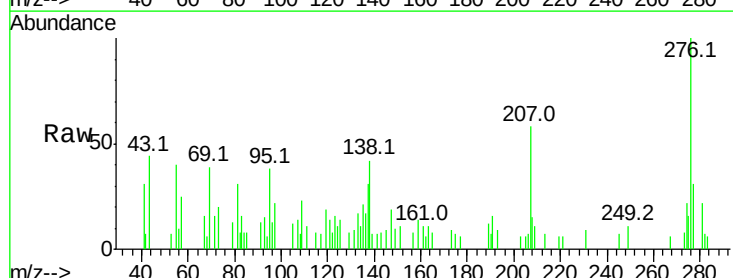
Tgt Ion:276 Resp: 15138

Ion Ratio Lower Upper

276 100

277 31.2 18.6 28.0#

138 41.7 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

