

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051917\
 Data File : BF095286.D
 Acq On : 20 May 2017 3:32
 Operator : SJ/MA
 Sample : I3202-10 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 20 05:11:58 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

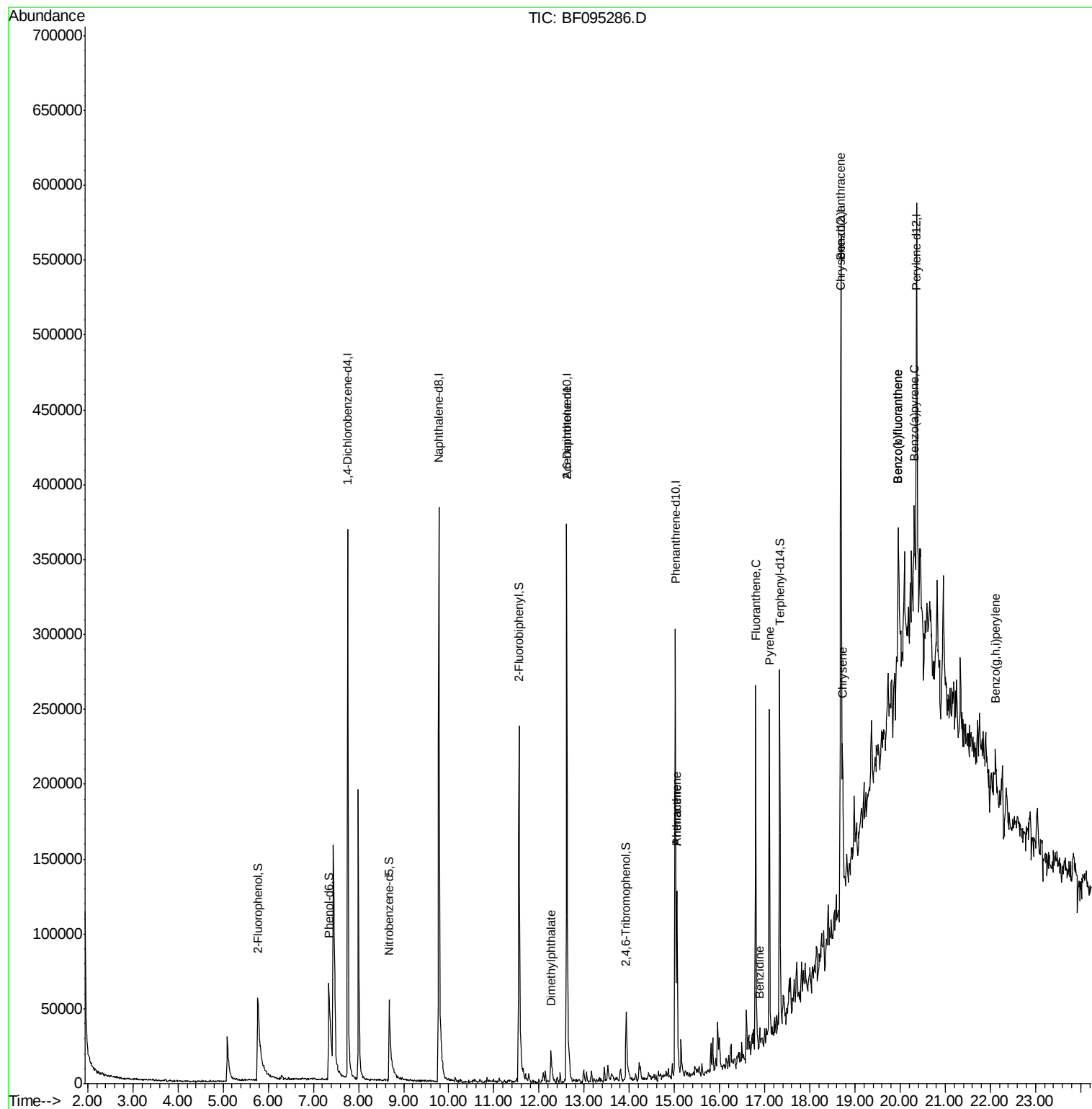
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	90564	20.00	ng	0.00
21) Naphthalene-d8	9.78	136	345403	20.00	ng	0.00
38) Acenaphthene-d10	12.61	164	125612	20.00	ng	0.00
63) Phenanthrene-d10	15.02	188	183666	20.00	ng	0.00
75) Chrysene-d12	18.69	240	182939	20.00	ng	0.00
86) Perylene-d12	20.37	264	135312	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	69559	12.81	ng	0.04
7) Phenol-d6	7.34	99	104969	16.11	ng	0.03
23) Nitrobenzene-d5	8.68	82	68869	12.57	ng	0.00
41) 2,4,6-Tribromophenol	13.93	330	13385	13.01	ng	0.01
44) 2-Fluorobiphenyl	11.55	172	155274	17.79	ng	0.00
78) Terphenyl-d14	17.33	244	95190	11.46	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.26	163	23764	2.30	ng	# 96
50) 2,6-Dinitrotoluene	12.61	165	14163	6.73	ng	# 31
70) Phenanthrene	15.05	178	76406	7.24	ng	98
71) Anthracene	15.05	178	76406	7.09	ng	98
74) Fluoranthene	16.79	202	147153	13.59	ng	96
76) Benzydine	16.88	184	108	6.61	ng	# 62
77) Pyrene	17.10	202	118122	8.63	ng	96
80) Benzo(a)anthracene	18.68	228	50730	4.76	ng	95
82) Chrysene	18.72	228	50509	4.91	ng	96
87) Benzo(b)fluoranthene	19.96	252	62507	7.48	ng	# 92
88) Benzo(k)fluoranthene	19.96	252	62507	7.75	ng	# 95
89) Benzo(a)pyrene	20.31	252	30024	3.89	ng	# 86
91) Benzo(a,h,i)perylene	22.11	276	13927	2.23	ng	# 91

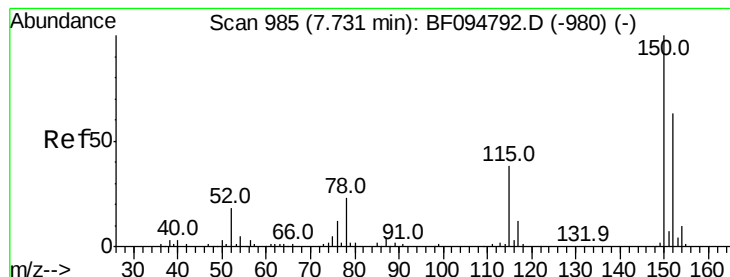
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.76 min Scan# 990

Delta R.T. -0.01 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Instrument :

BNA_F

ClientSampled :

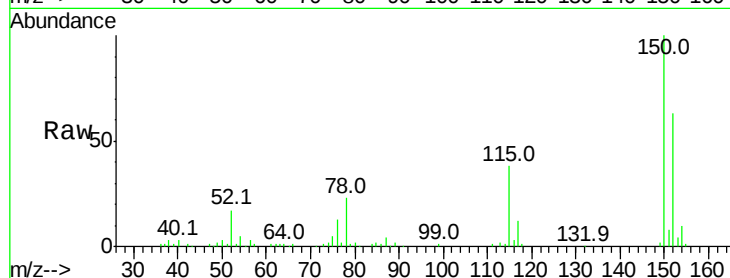
Tot Ion:152 Resp: 90564

Ion Ratio Lower Upper

152 100

150 158.7 126.2 189.2

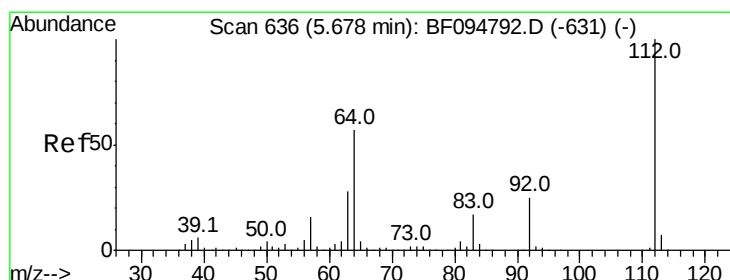
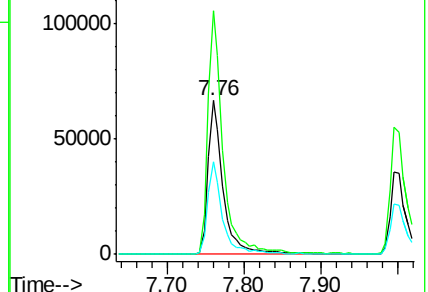
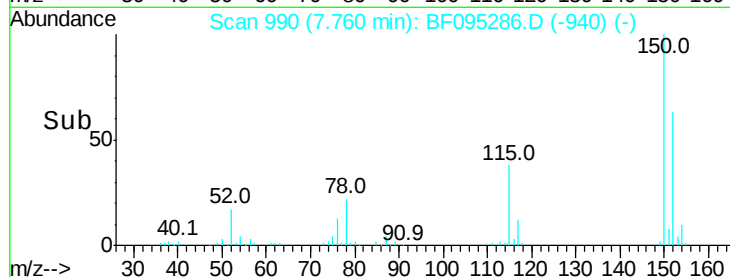
115 60.1 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 12.81 ng

RT: 5.77 min Scan# 652

Delta R.T. 0.04 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

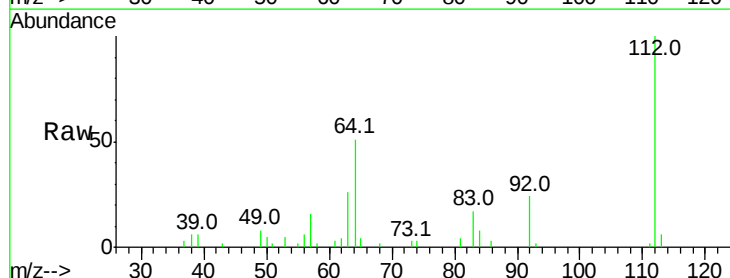
Tgt Ion:112 Resp: 69559

Ion Ratio Lower Upper

112 100

64 50.8 46.0 69.0

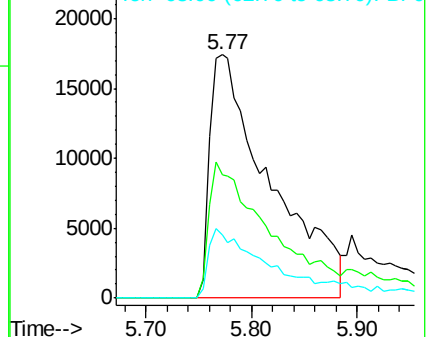
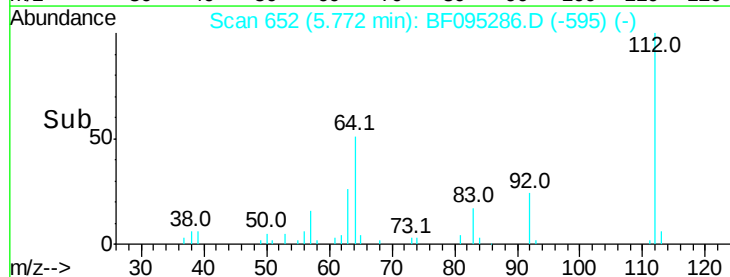
63 25.9 23.4 35.0

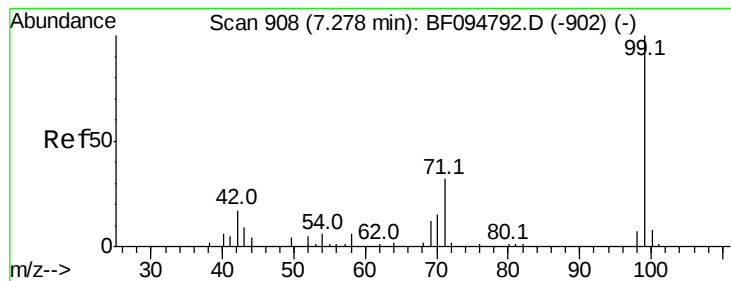


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 16.11 ng

RT: 7.34 min Scan# 919

Delta R.T. 0.03 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Instrument :

BNA_F

ClientSampleId :

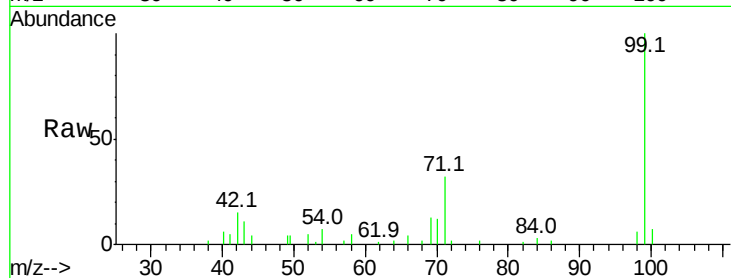
Tot Ion: 99 Resp: 104969

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

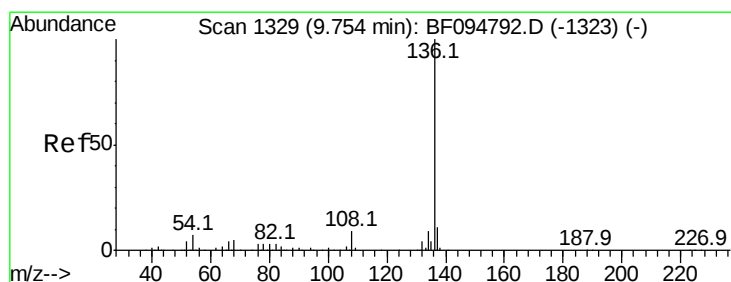
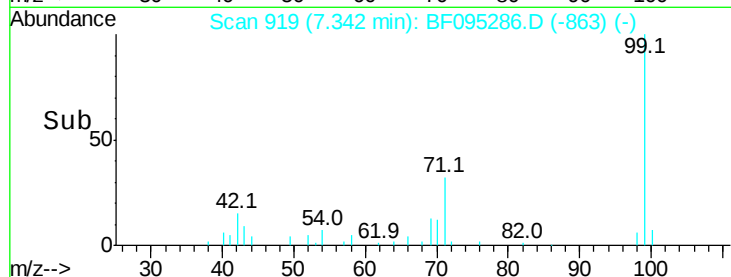
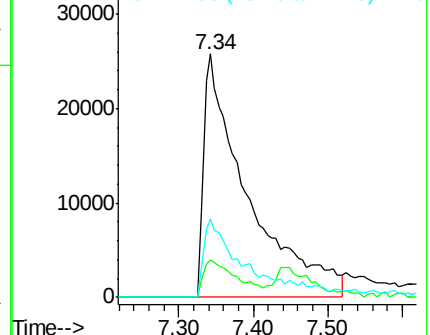
71 32.5 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.78 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Tgt Ion: 136 Resp: 345403

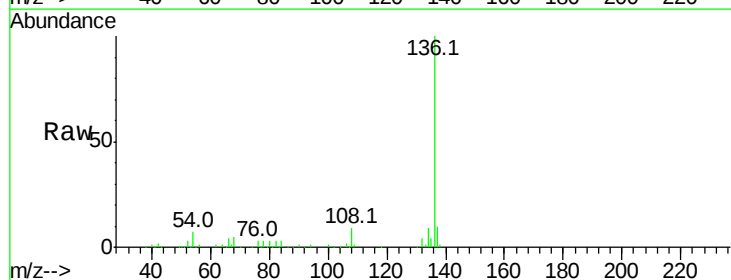
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 7.0 4.9 7.3

68 5.3 4.1 6.1

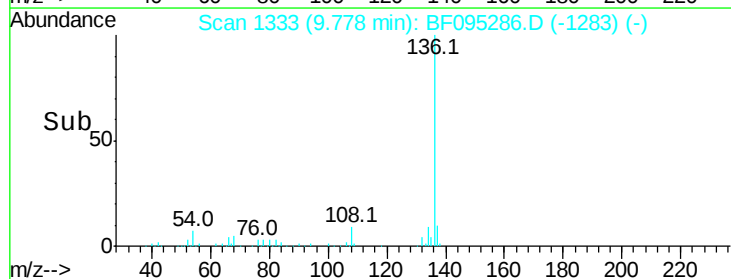
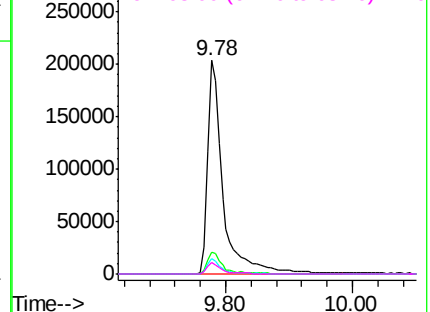


Abundance Ion 136.00 (135.70 to 136.70): E

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

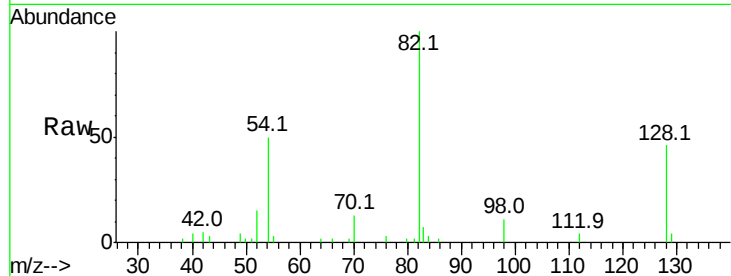




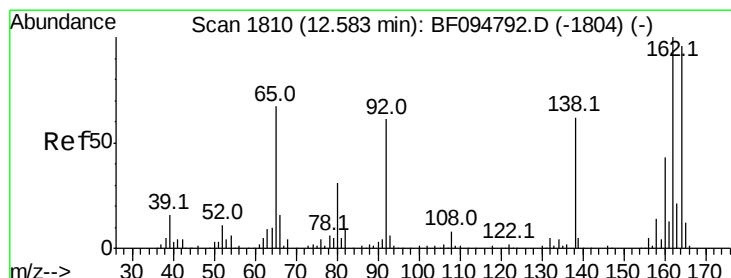
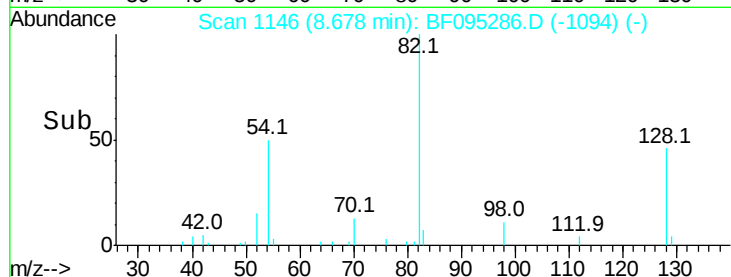
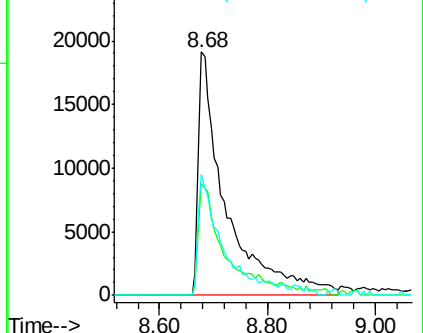
#23
Nitrobenzene-d5
Concen: 12.57 ng
RT: 8.68 min Scan# 1146
Delta R.T. 0.01 min
Lab File: BF095286.D
Acq: 20 May 2017 3:32

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 68869
Ion Ratio Lower Upper
82 100
128 45.7 34.0 51.0
54 49.8 42.2 63.2

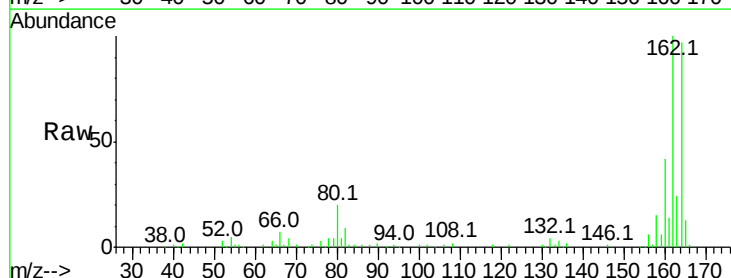


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

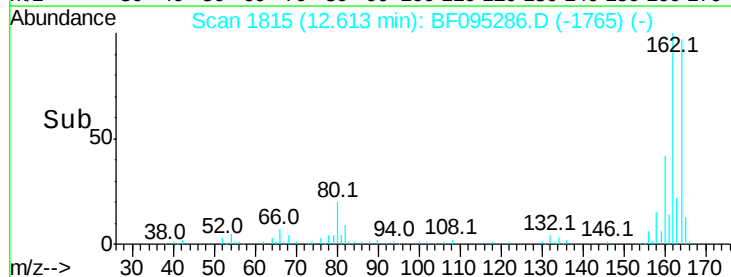
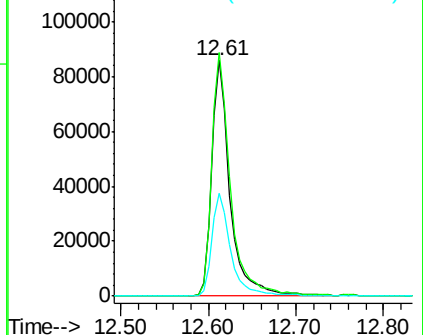


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF095286.D
Acq: 20 May 2017 3:32

Tgt Ion:164 Resp: 125612
Ion Ratio Lower Upper
164 100
162 103.3 82.6 123.8
160 43.4 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

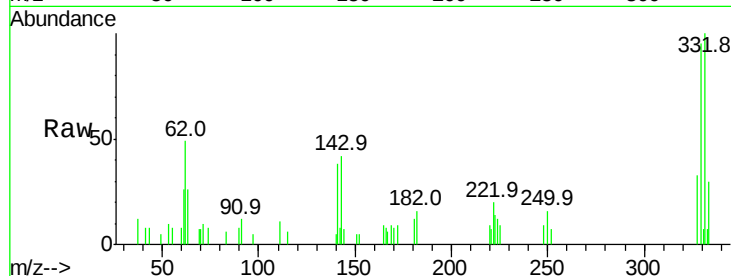




#41
 2,4,6-Tribromophenol
 Concen: 13.01 ng
 RT: 13.93 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF095286.D
 Acq: 20 May 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	91.9	76.6	115.0
141	35.4	31.4	47.2

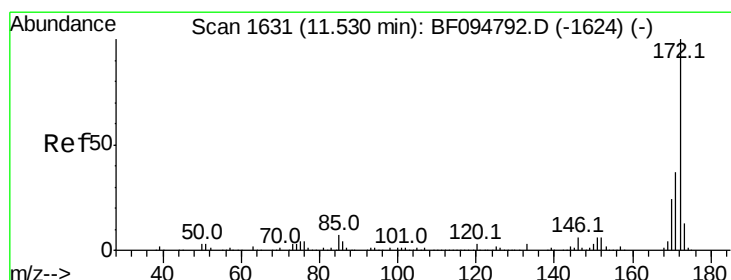
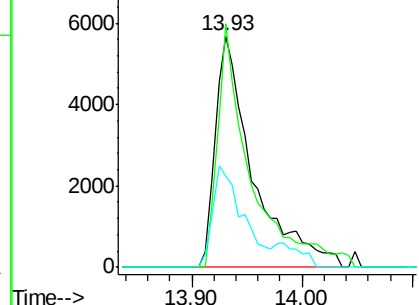
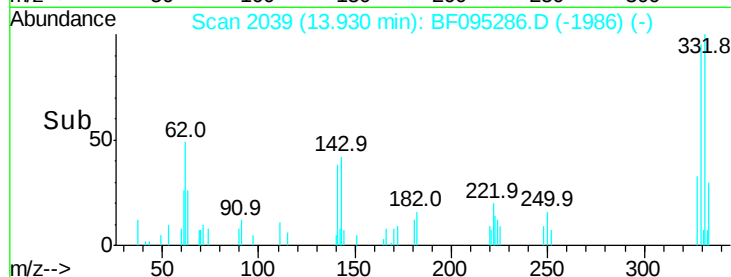


Abundance

Ion 329.80 (329.50 to 330.50): E

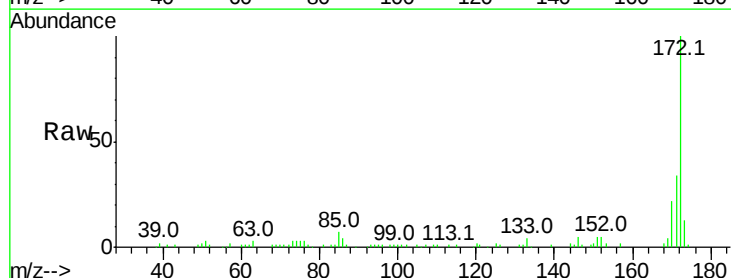
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 17.79 ng
 RT: 11.55 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF095286.D
 Acq: 20 May 2017 3:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	29.6	44.4
170	21.6	19.8	29.8

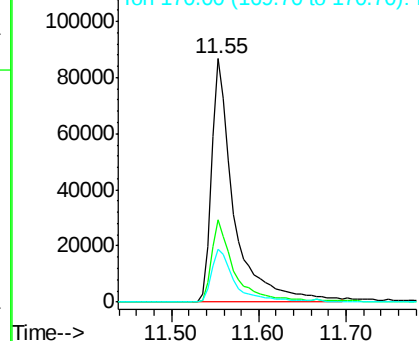
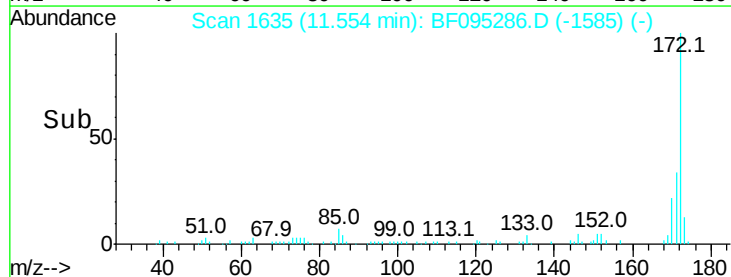


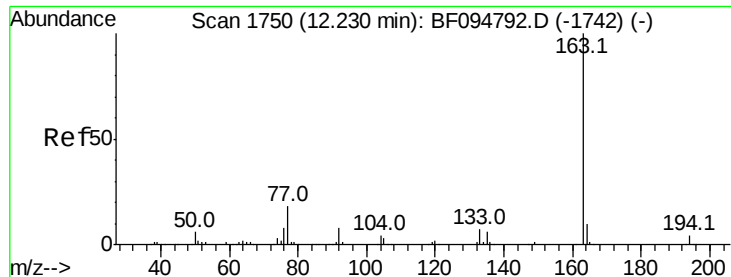
Abundance

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: 2.30 ng

RT: 12.26 min Scan# 1755

Delta R.T. 0.00 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Instrument :

BNA_F

ClientSampled :

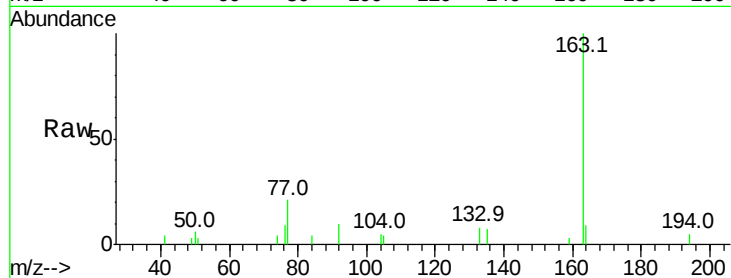
Tot Ion:163 Resp: 23764

Ion Ratio Lower Upper

163 100

194 4.6 2.6 4.0#

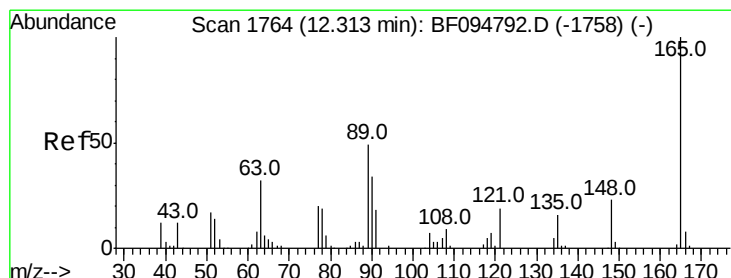
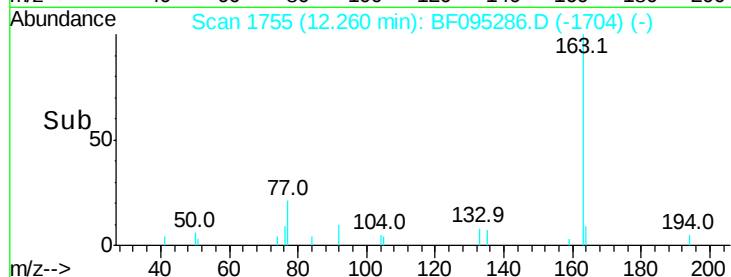
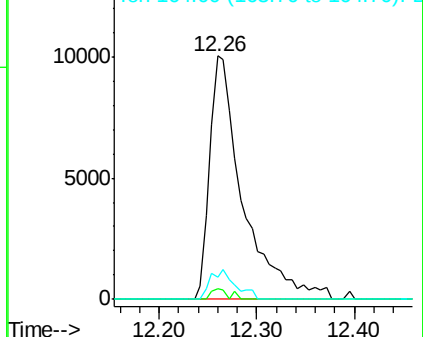
164 9.1 8.4 12.6



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: 6.73 ng

RT: 12.61 min Scan# 1815

Delta R.T. 0.25 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

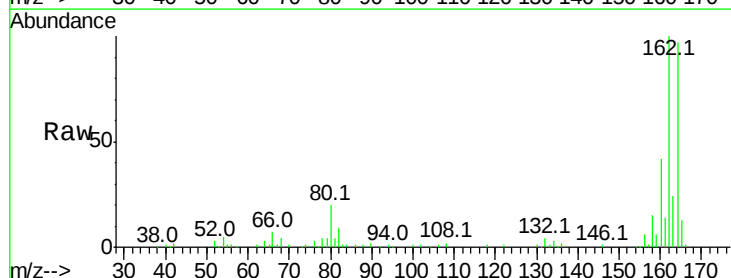
Tgt Ion:165 Resp: 14163

Ion Ratio Lower Upper

165 100

63 0.0 34.3 51.5#

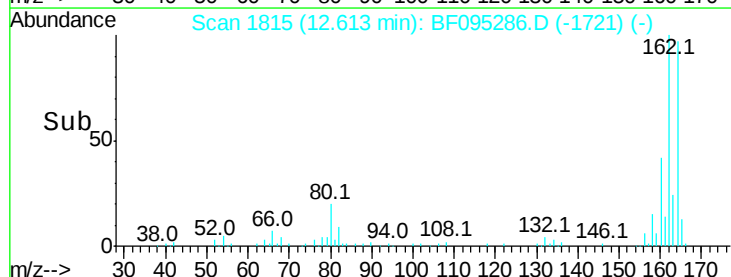
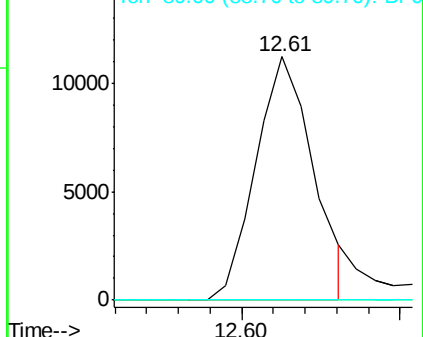
89 0.0 37.1 55.7#



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

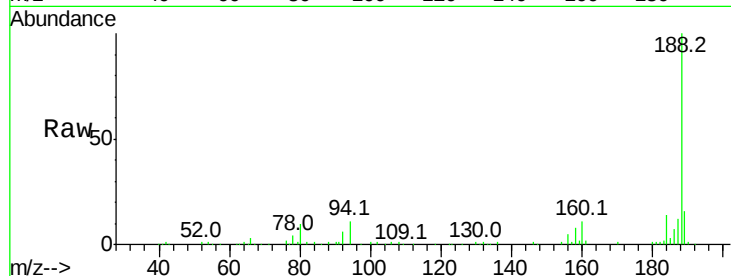




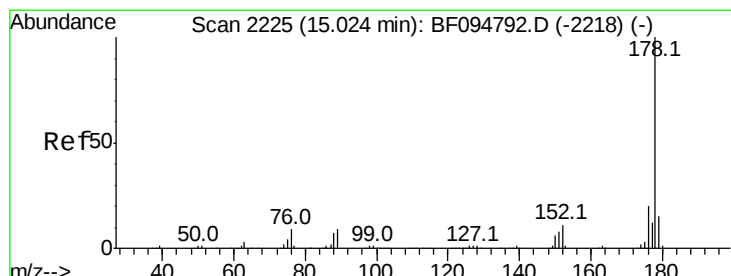
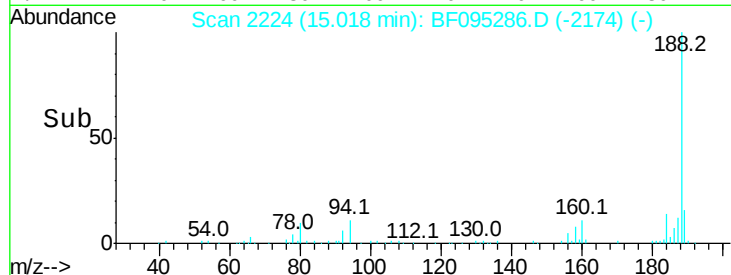
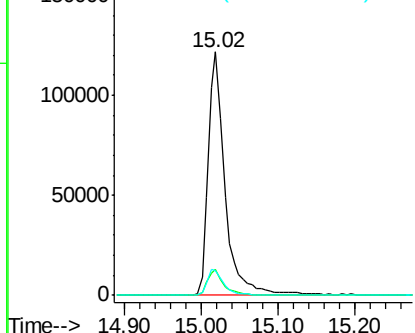
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.02 min Scan# 2224
 Delta R.T. -0.01 min
 Lab File: BF095286.D
 Acq: 20 May 2017 3:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 183666
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 10.4 10.2 15.2

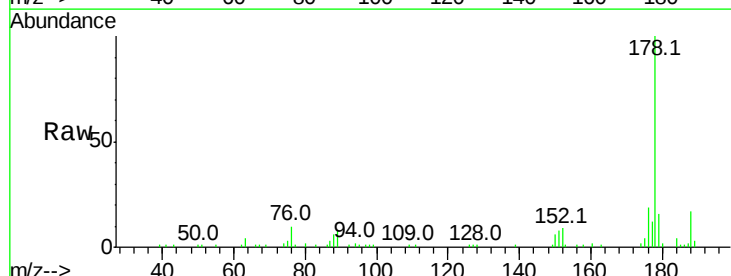


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

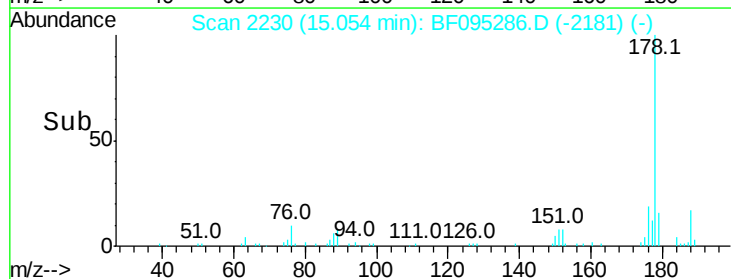
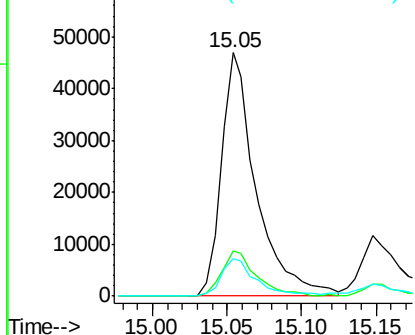


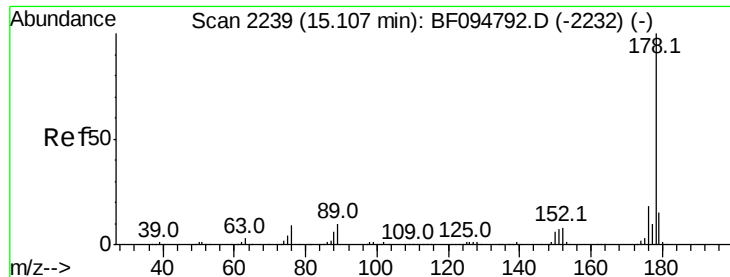
#70
 Phenanthrene
 Concen: 7.24 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF095286.D
 Acq: 20 May 2017 3:32

Tgt Ion:178 Resp: 76406
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.2 24.4
 179 15.6 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

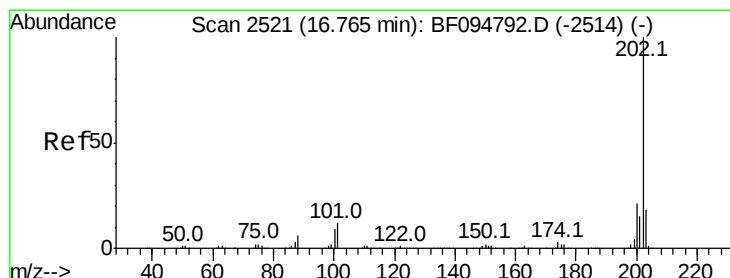
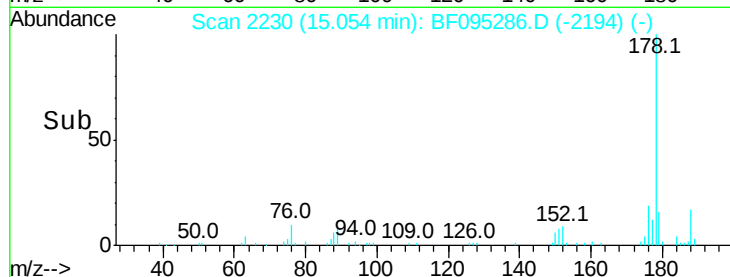
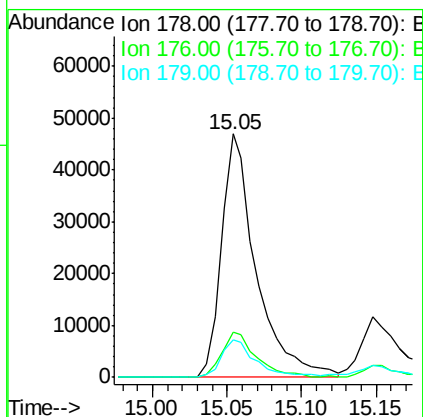
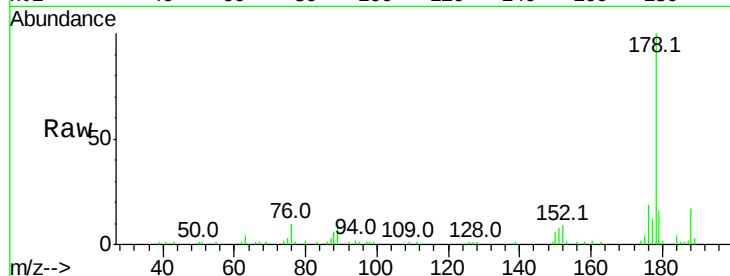




#71
 Anthracene
 Concen: 7.09 ng
 RT: 15.05 min Scan# 2230
 Delta R.T. -0.09 min
 Lab File: BF095286.D
 Acq: 20 May 2017 3:32

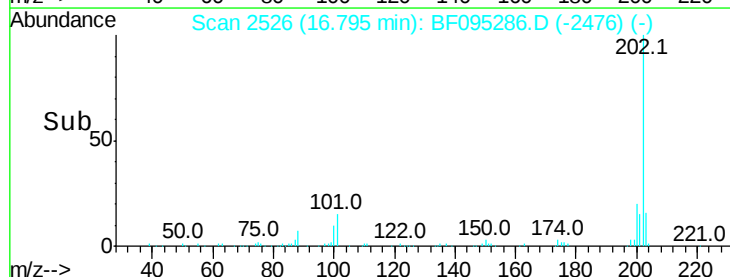
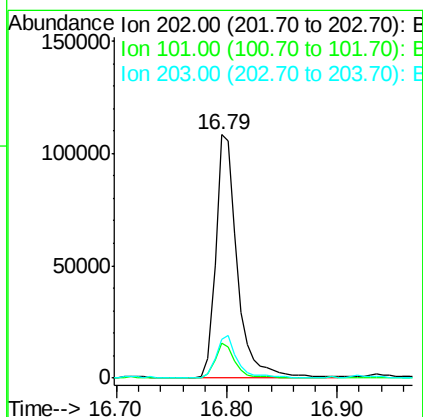
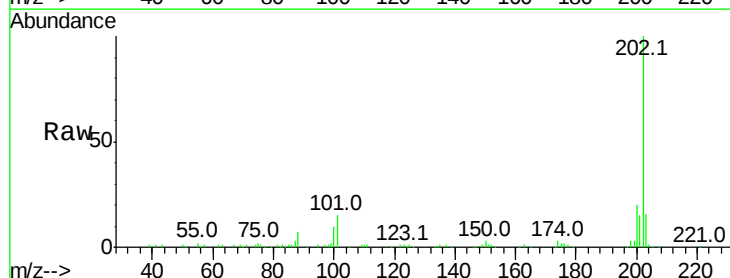
Instrument :
 BNA_F
 ClientSampleId :

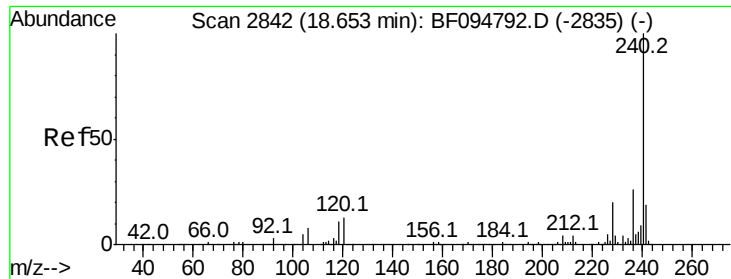
Tot Ion:178 Resp: 76406
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.8
 179 15.6 12.7 19.1



#74
 Fluoranthene
 Concen: 13.59 ng
 RT: 16.79 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF095286.D
 Acq: 20 May 2017 3:32

Tgt Ion:202 Resp: 147153
 Ion Ratio Lower Upper
 202 100
 101 14.5 0.0 33.2
 203 16.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.69 min Scan# 2848

Delta R.T. -0.01 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Instrument :

BNA_F

ClientSampleId :

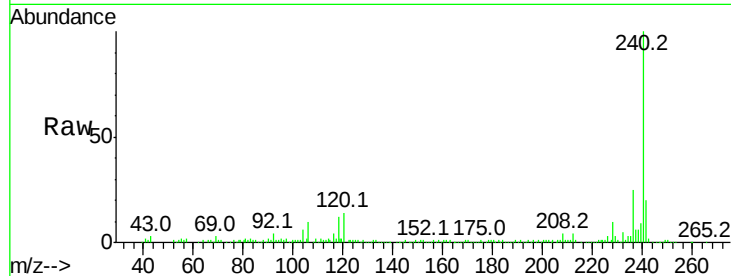
Tot Ion:240 Resp: 182939

Ion Ratio Lower Upper

240 100

120 14.5 5.8 8.8#

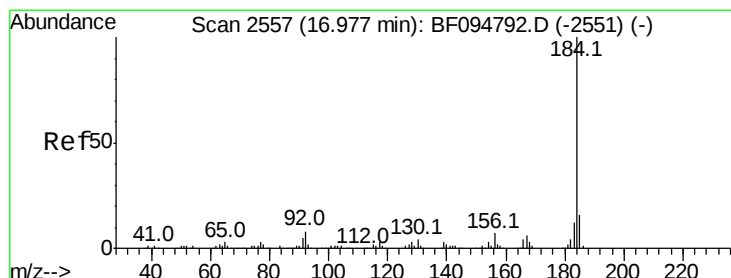
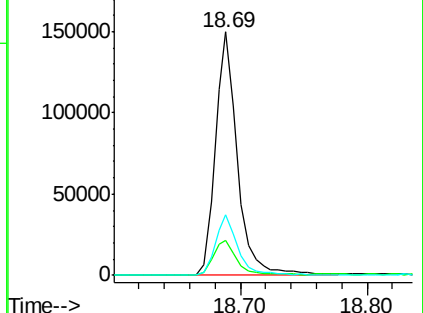
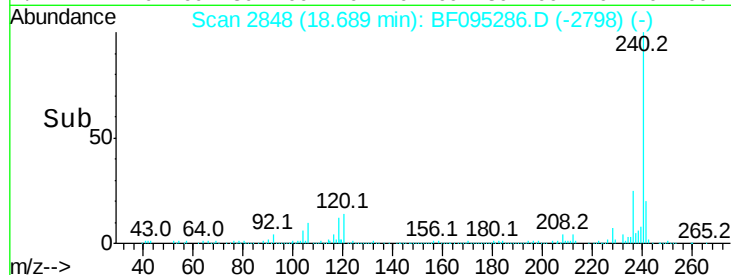
236 25.1 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 6.61 ng

RT: 16.88 min Scan# 2540

Delta R.T. -0.14 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

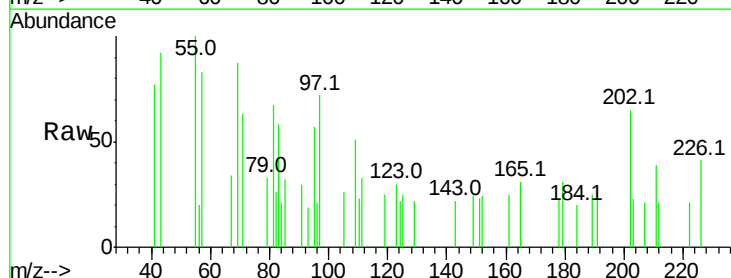
Tgt Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

185 0.0 15.5 23.3#

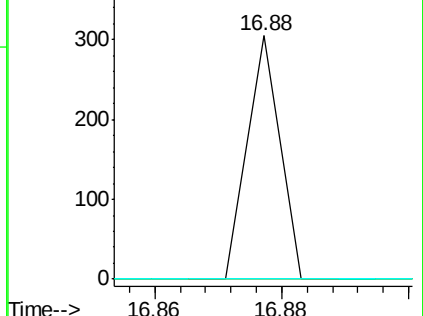
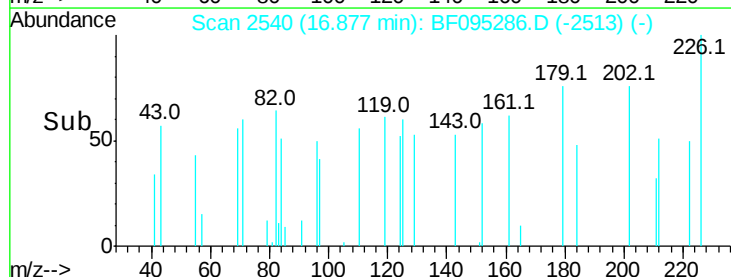
183 0.0 9.8 14.6#

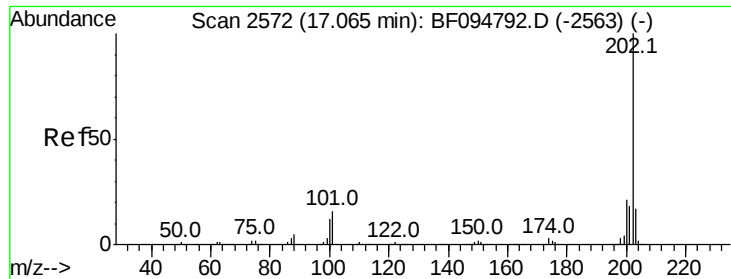


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pvrene

Concen: 8.63 ng

RT: 17.10 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Instrument :

BNA_F

ClientSampleId :

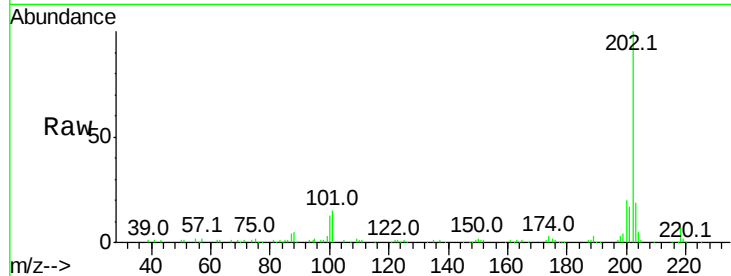
Tot Ion:202 Resp: 118122

Ion Ratio Lower Upper

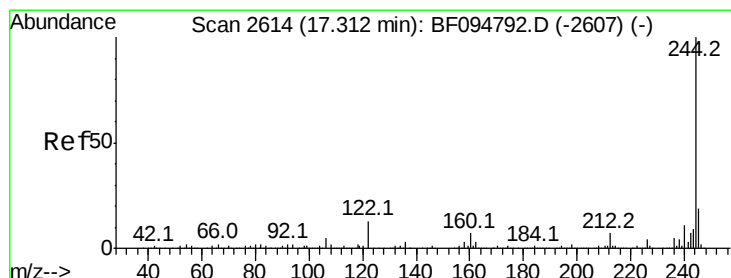
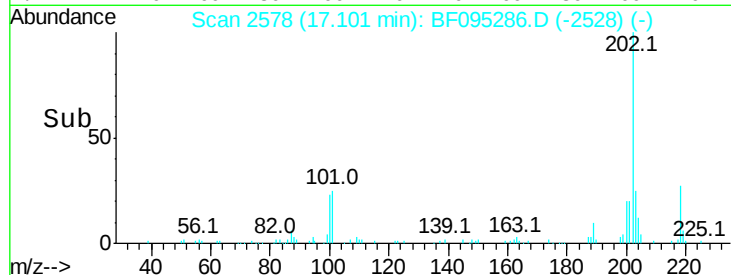
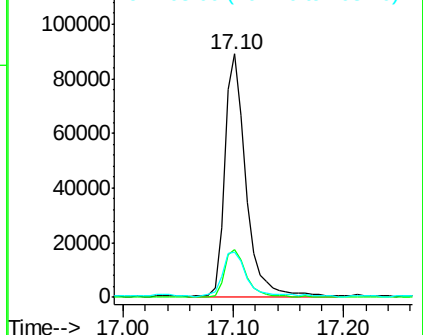
202 100

200 19.6 17.6 26.4

203 18.8 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: 11.46 ng

RT: 17.33 min Scan# 2617

Delta R.T. -0.02 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

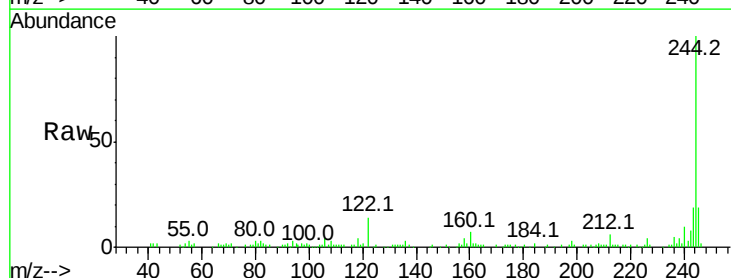
Tgt Ion:244 Resp: 95190

Ion Ratio Lower Upper

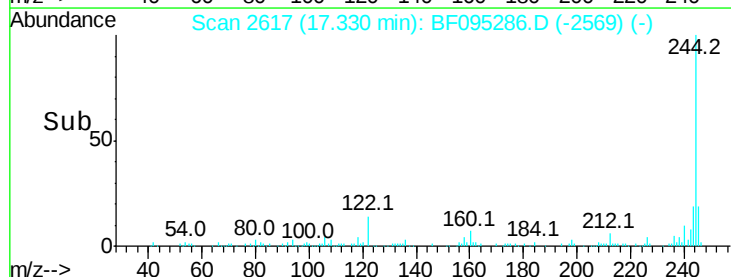
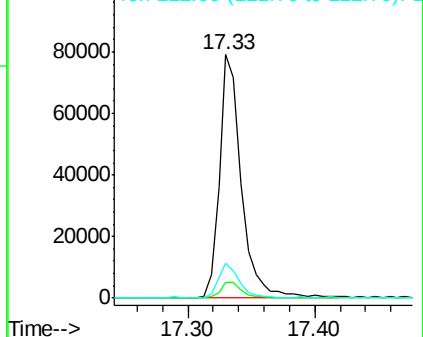
244 100

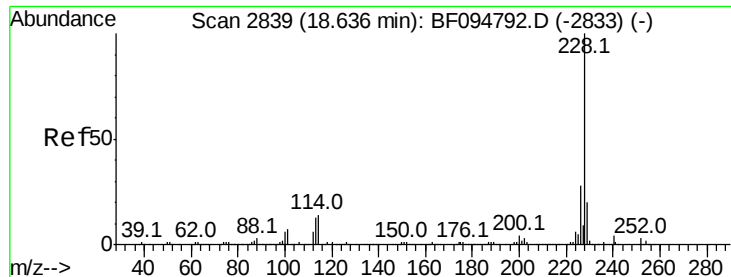
212 6.4 6.0 9.0

122 14.3 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

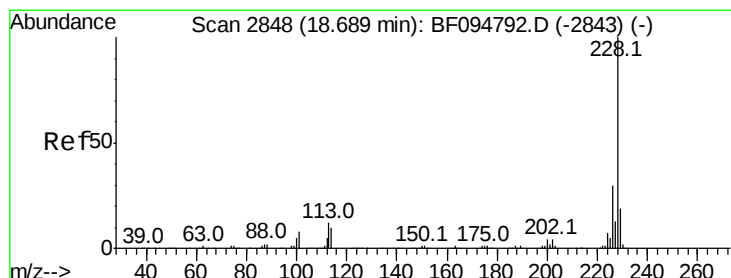
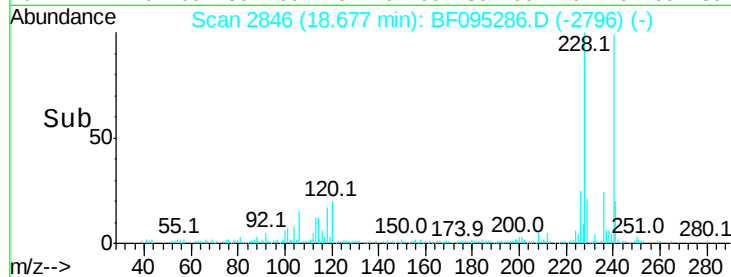
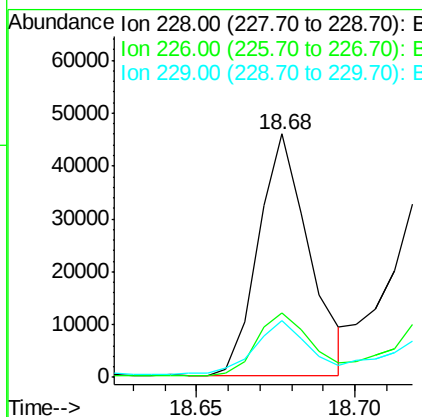
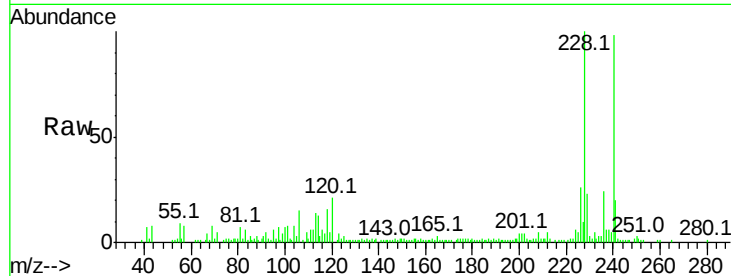




#80
Benzo(a)anthracene
Concen: 4.76 ng
RT: 18.68 min Scan# 2846
Delta R.T. -0.01 min
Lab File: BF095286.D
Acq: 20 May 2017 3:32

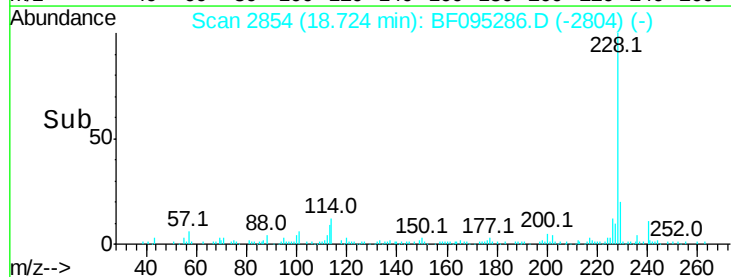
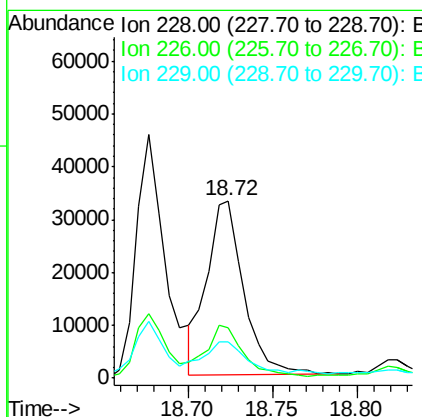
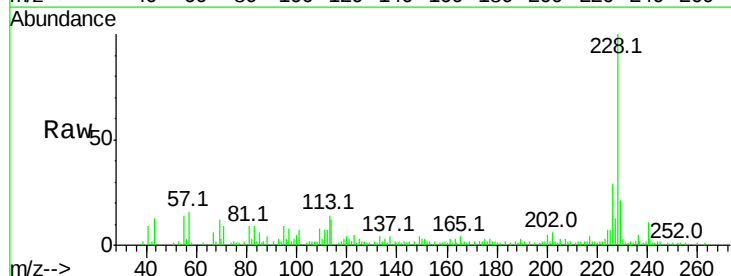
Instrument :
BNA_F
ClientSampleId :

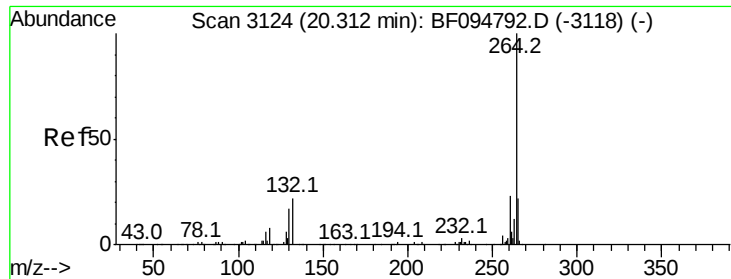
Tot Ion:228 Resp: 50730
Ion Ratio Lower Upper
228 100
226 26.3 22.6 33.8
229 23.2 16.3 24.5



#82
Chrysene
Concen: 4.91 ng
RT: 18.72 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BF095286.D
Acq: 20 May 2017 3:32

Tgt Ion:228 Resp: 50509
Ion Ratio Lower Upper
228 100
226 28.6 24.9 37.3
229 20.6 15.8 23.6

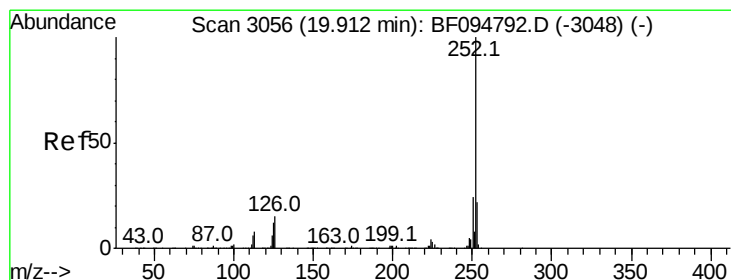
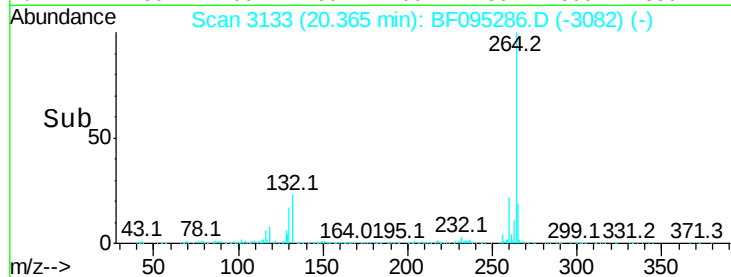
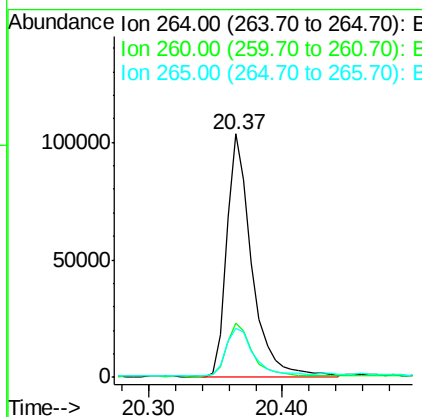
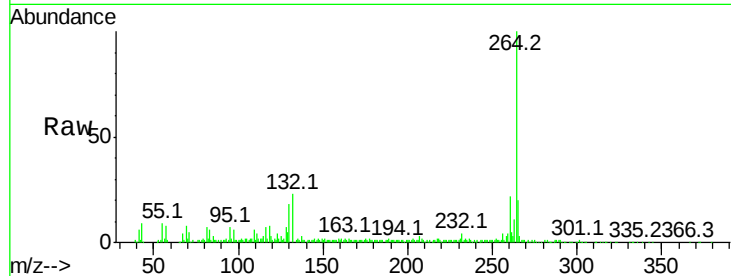




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.37 min Scan# 3133
Delta R.T. 0.00 min
Lab File: BF095286.D
Acq: 20 May 2017 3:32

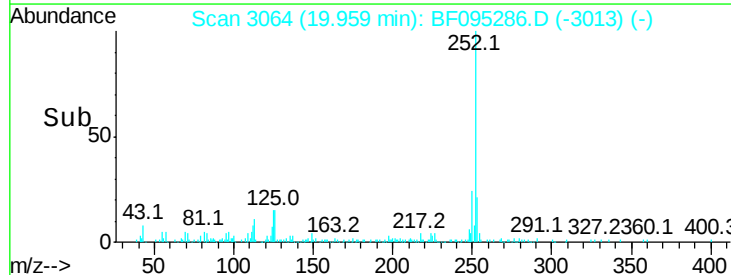
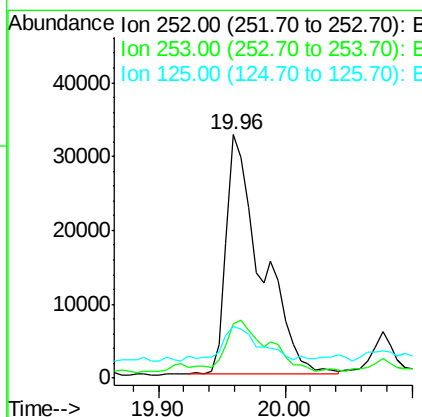
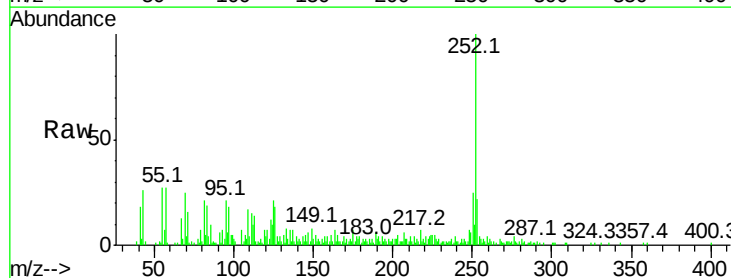
Instrument :
BNA_F
ClientSampled :

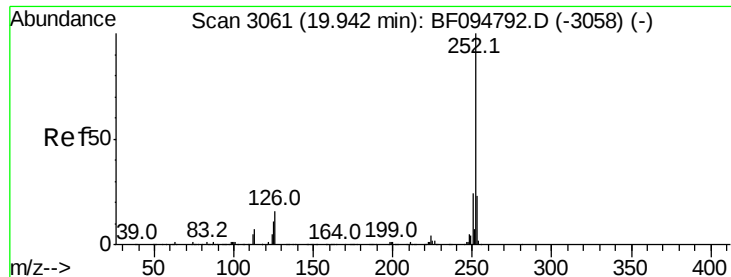
Tot Ion:264 Resp: 135312
Ion Ratio Lower Upper
264 100
260 22.2 19.5 29.3
265 20.0 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.48 ng
RT: 19.96 min Scan# 3064
Delta R.T. 0.00 min
Lab File: BF095286.D
Acq: 20 May 2017 3:32

Tgt Ion:252 Resp: 62507
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 21.2 9.8 14.8#





#88

Benzo(k)fluoranthene

Concen: 7.75 ng

RT: 19.96 min Scan# 3064

Delta R.T. -0.03 min

Lab File: BF095286.D

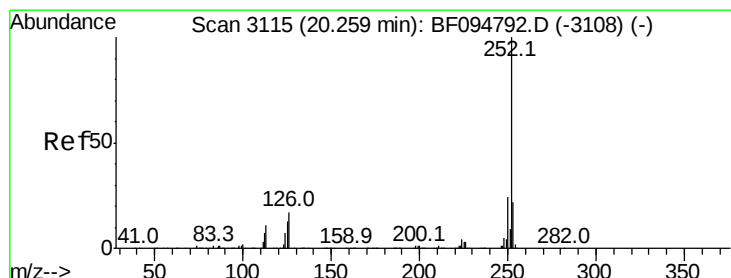
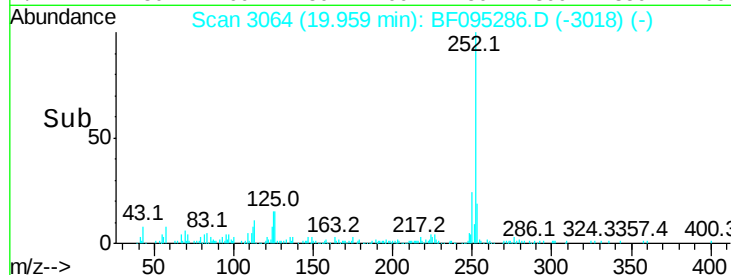
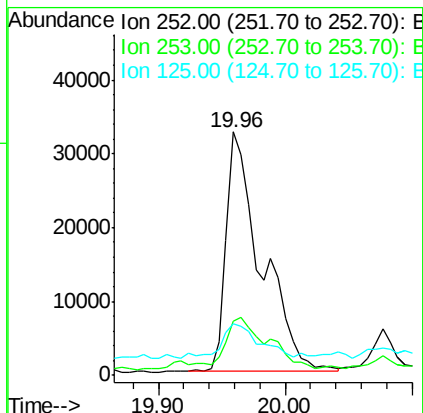
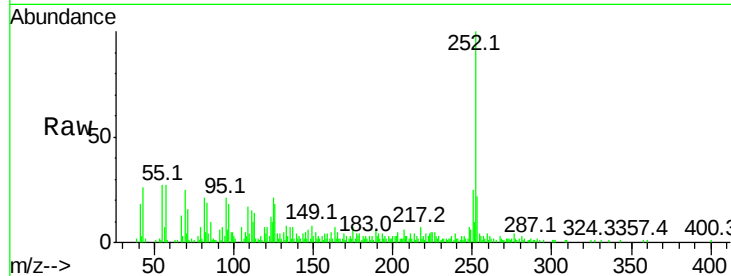
Acq: 20 May 2017 3:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	62507
Ion Ratio	Lower	Upper
252	100	
253	22.3	18.4 27.6
125	21.2	13.1 19.7#



#89

Benzo(a)pyrene

Concen: 3.89 ng

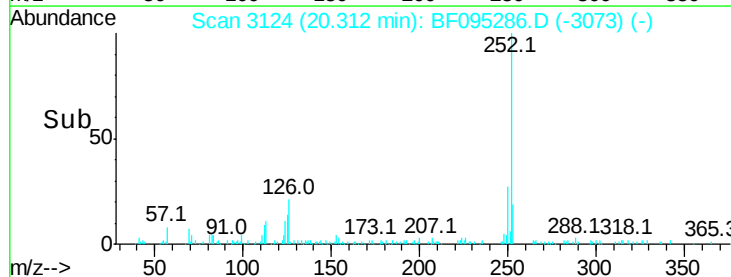
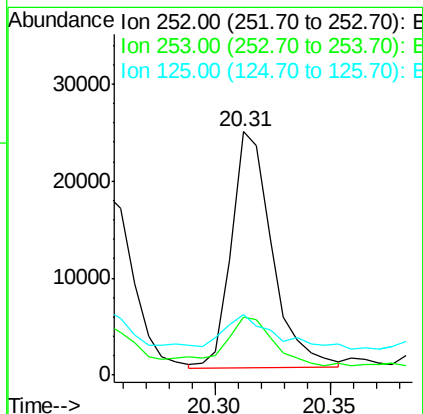
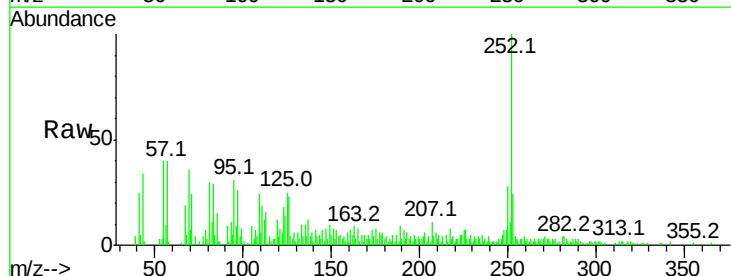
RT: 20.31 min Scan# 3124

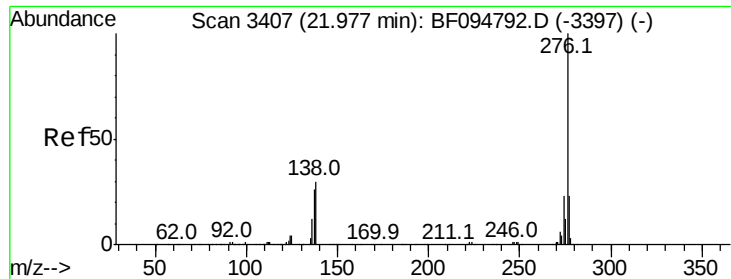
Delta R.T. 0.00 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Tgt Ion:252	Resp:	30024
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.5 26.3
125	25.0	11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.23 ng

RT: 22.11 min Scan# 3430

Delta R.T. 0.03 min

Lab File: BF095286.D

Acq: 20 May 2017 3:32

Instrument :

BNA_F

ClientSampleId :

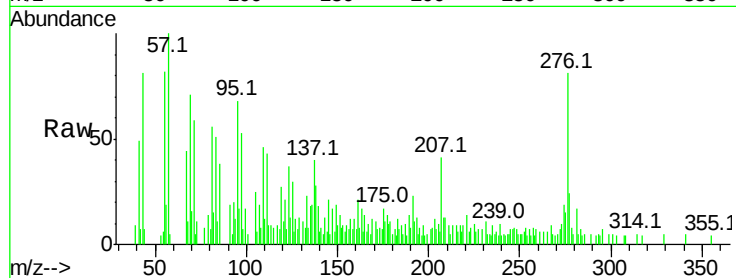
Tot Ion:276 Resp: 13927

Ion Ratio Lower Upper

276 100

277 29.7 18.6 28.0#

138 35.0 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

