

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095576.D
 Acq On : 31 May 2017 21:44
 Operator : SJ/MA
 Sample : I3341-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 01:36:56 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

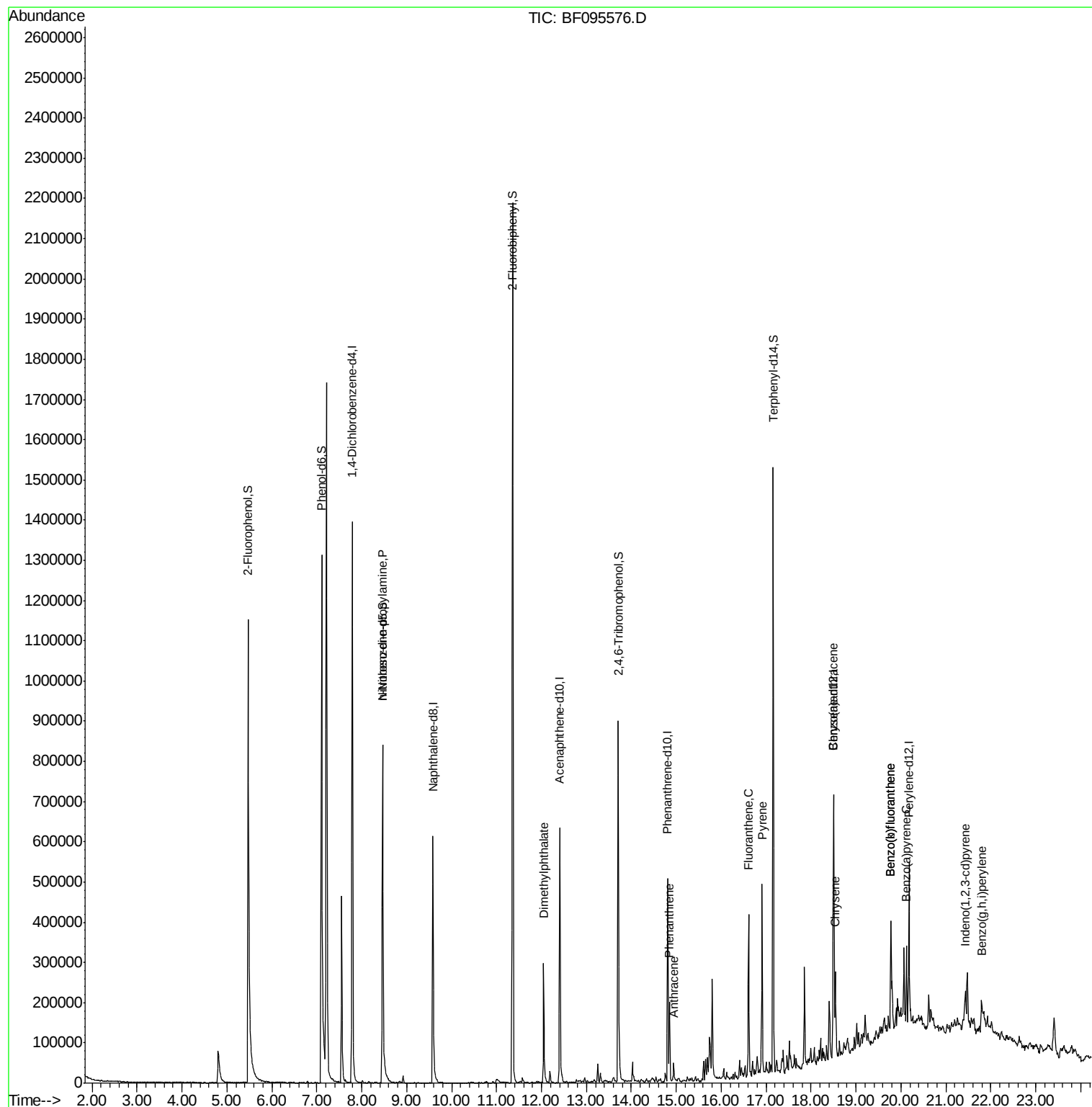
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	330882	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	454043	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	178231	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	256146	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	224071	20.00	ng	-0.17
86) Perylene-d12	20.18	264	163510	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	699429	35.24	ng	-0.24
7) Phenol-d6	7.11	99	871508	36.60	ng	-0.19
23) Nitrobenzene-d5	8.47	82	448367	62.27	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	150854	103.35	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	951857	76.87	ng	-0.18
78) Terphenyl-d14	17.15	244	569698	56.00	ng	-0.17
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.47	70	57990	3.60	ng	# 76
49) Dimethylphthalate	12.05	163	181454	12.40	ng	99
70) Phenanthrene	14.85	178	115887	7.87	ng	97
71) Anthracene	14.94	178	32014	2.13	ng	94
74) Fluoranthene	16.61	202	205024	13.58	ng	99
77) Pyrene	16.91	202	202012	12.05	ng	96
80) Benzo(a)anthracene	18.49	228	107707	8.26	ng	94
82) Chrysene	18.54	228	107316	8.51	ng	99
85) Indeno(1,2,3-cd)pyrene	21.43	276	49525	4.84	ng	94
87) Benzo(b)fluoranthene	19.77	252	178261	17.64	ng	# 96
88) Benzo(k)fluoranthene	19.77	252	178261	18.29	ng	98
89) Benzo(a)pyrene	20.12	252	81761	8.77	ng	95
91) Benzo(a,h,i)perylene	21.79	276	48593	6.43	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 1012

Delta R.T. 0.05 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

Instrument :

BNA_F

ClientSampled :

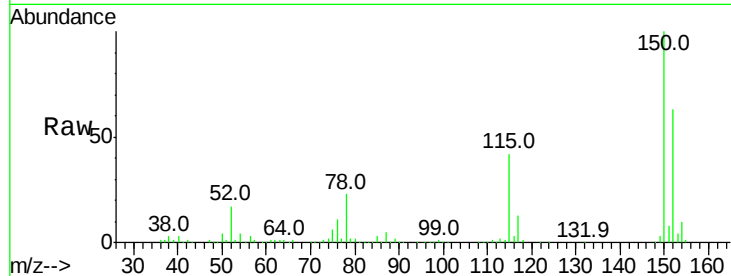
Tot Ion:152 Resp: 330882

Ion Ratio Lower Upper

152 100

150 158.4 126.2 189.2

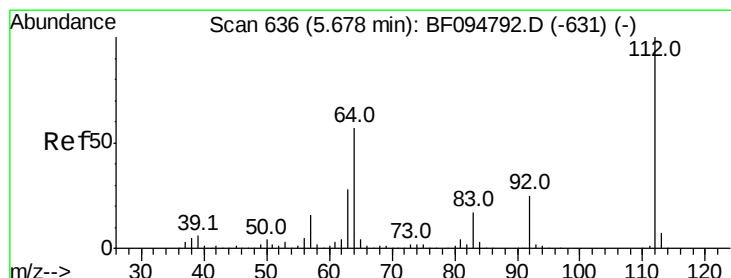
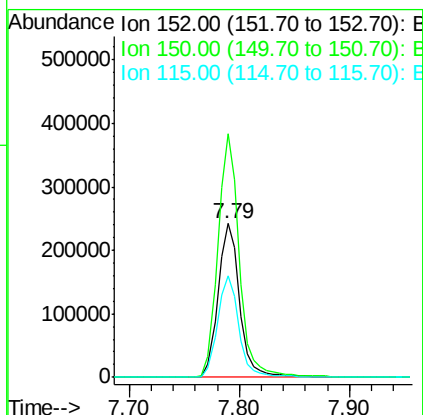
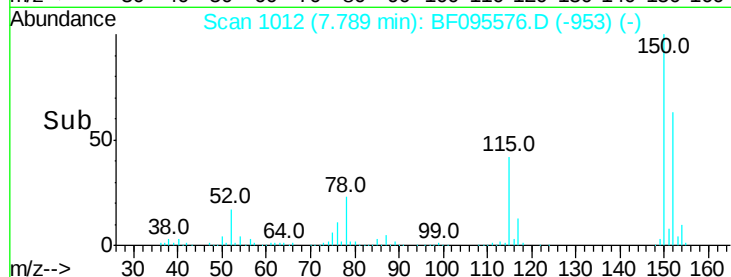
115 66.3 52.2 78.2



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: 35.24 ng

RT: 5.47 min Scan# 617

Delta R.T. -0.24 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

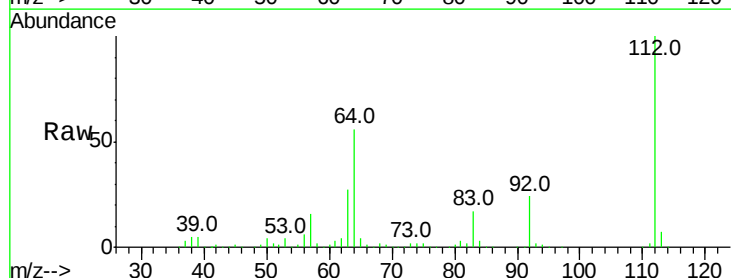
Tgt Ion:112 Resp: 699429

Ion Ratio Lower Upper

112 100

64 56.1 46.0 69.0

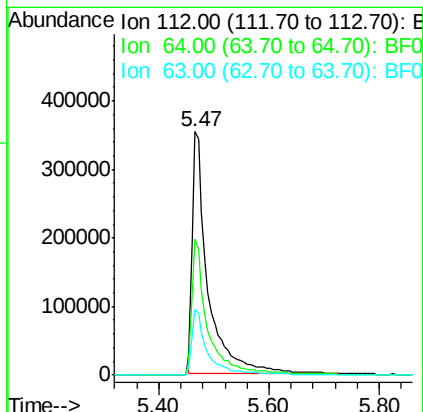
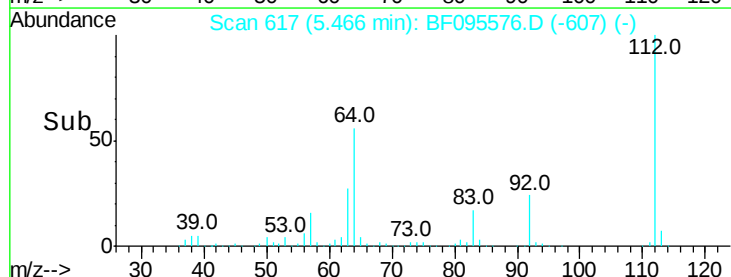
63 26.9 23.4 35.0

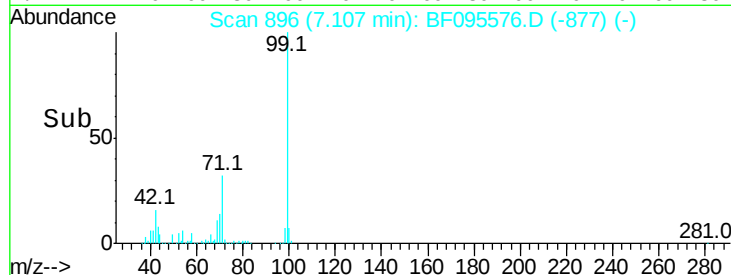
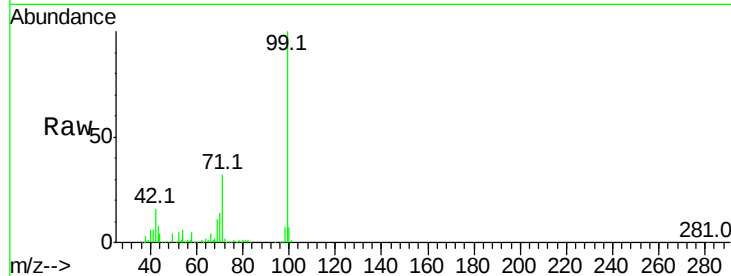
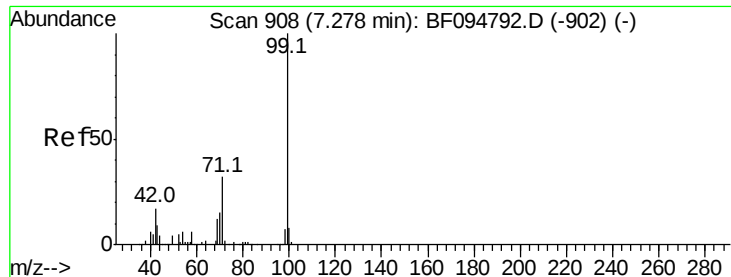


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.60 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.19 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

Instrument :

BNA_F

ClientSampleId :

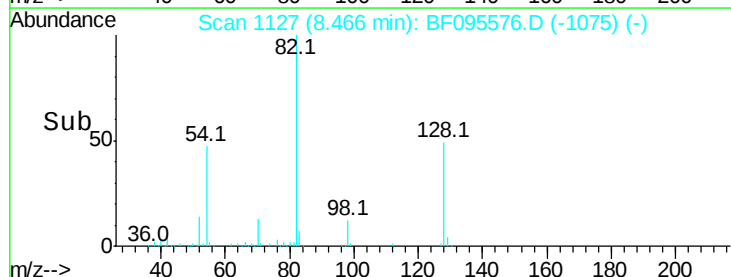
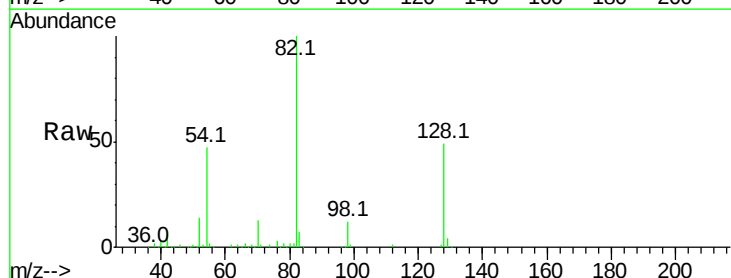
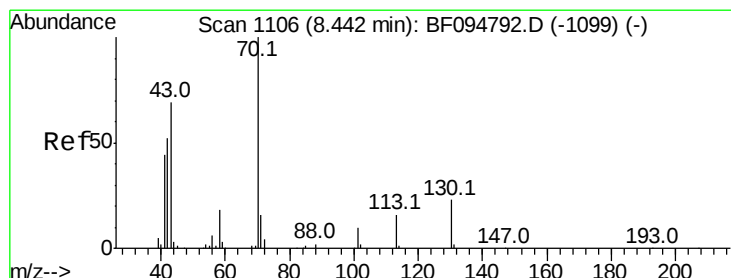
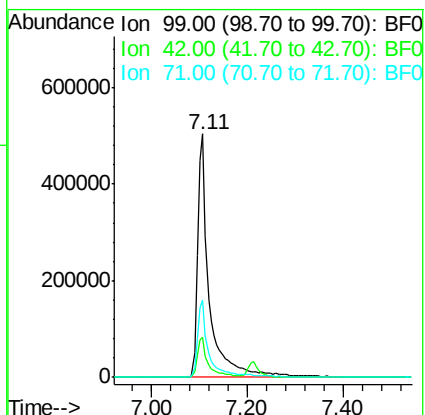
Tot Ion: 99 Resp: 871508

Ion Ratio Lower Upper

99 100

42 16.2 13.5 20.3

71 31.5 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 3.60 ng

RT: 8.47 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

Tgt Ion: 70 Resp: 57990

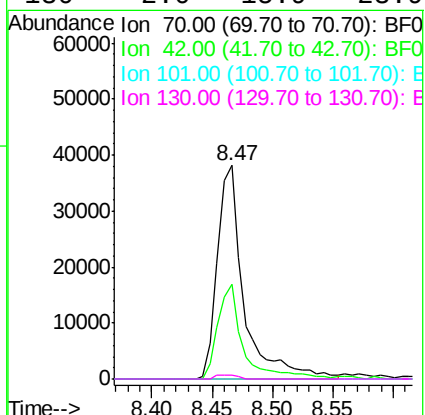
Ion Ratio Lower Upper

70 100

42 44.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.58 min Scan# 1317

Delta R.T. -0.18 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 454043

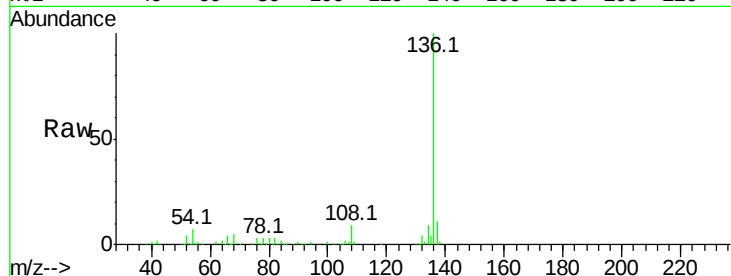
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.9 4.9 7.3

68 4.9 4.1 6.1

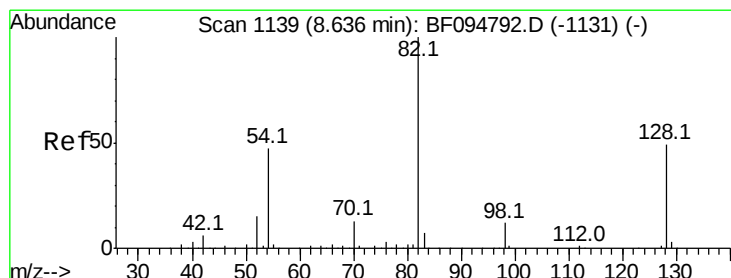
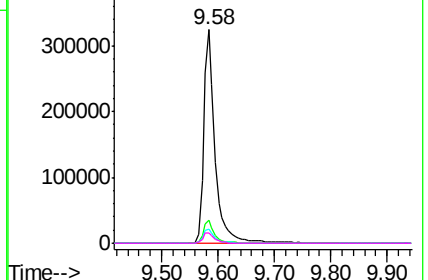
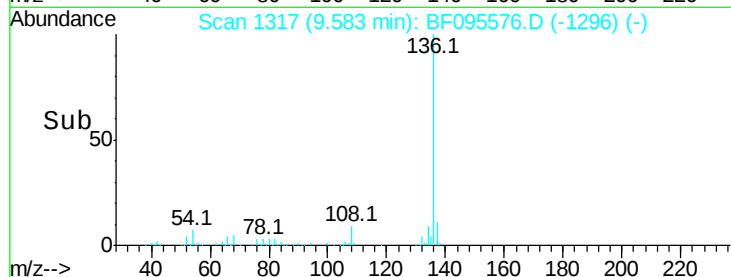


Abundance Ion 136.00 (135.70 to 136.70): E

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: 62.27 ng

RT: 8.47 min Scan# 1127

Delta R.T. -0.19 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

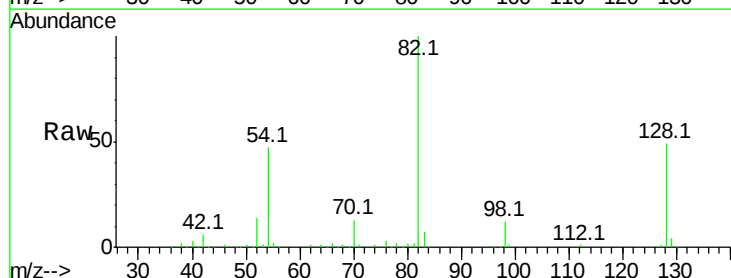
Tgt Ion: 82 Resp: 448367

Ion Ratio Lower Upper

82 100

128 48.9 34.0 51.0

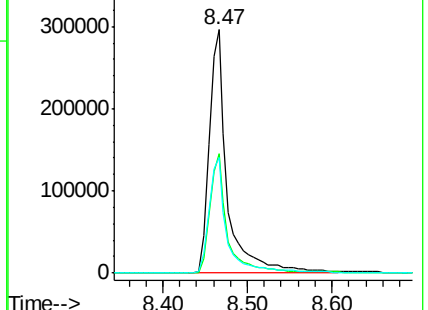
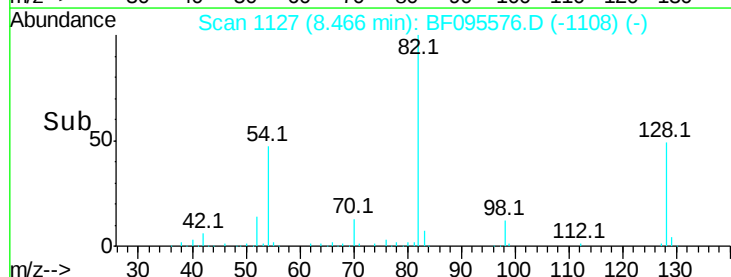
54 47.3 42.2 63.2



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: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

Instrument :

BNA_F

ClientSampleId :

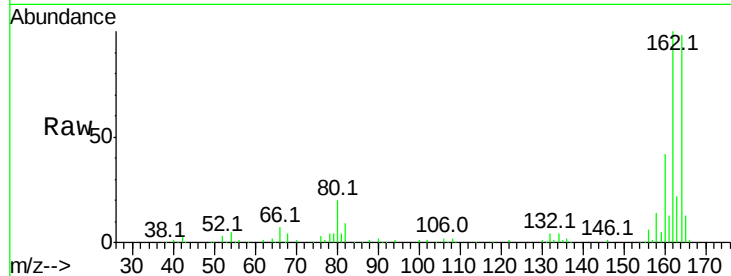
Tot Ion:164 Resp: 178231

Ion Ratio Lower Upper

164 100

162 102.3 82.6 123.8

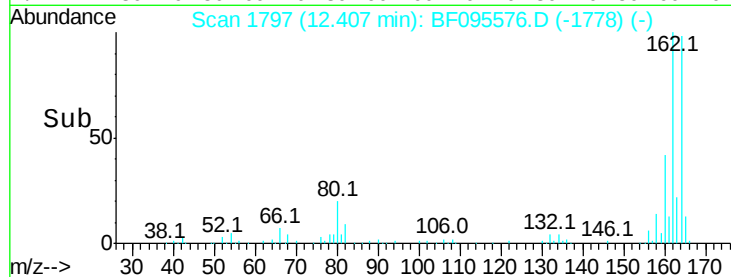
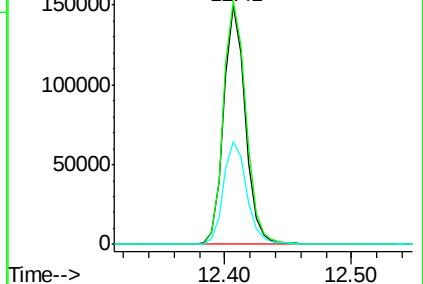
160 43.2 36.2 54.2



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: 103.35 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.19 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

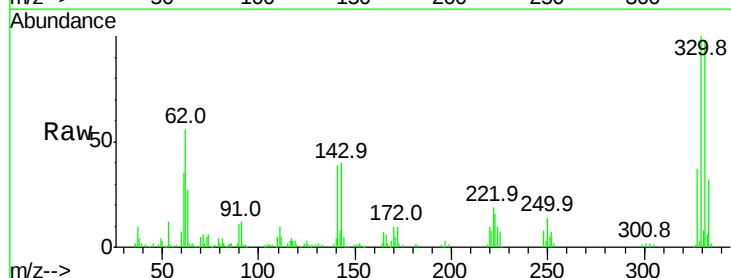
Tgt Ion:330 Resp: 150854

Ion Ratio Lower Upper

330 100

332 96.9 76.6 115.0

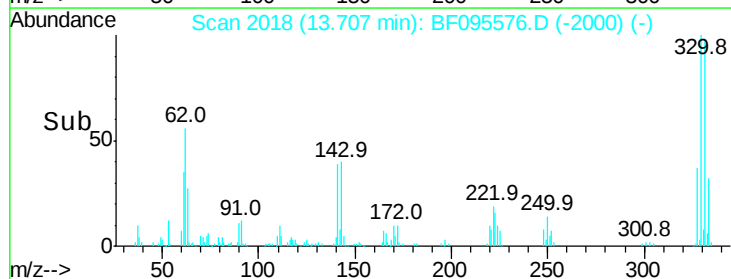
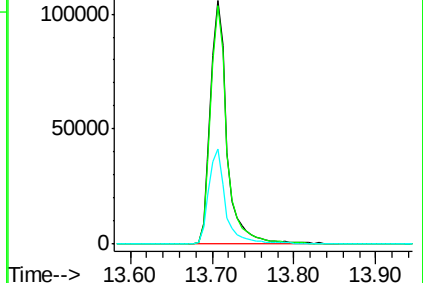
141 39.7 31.4 47.2

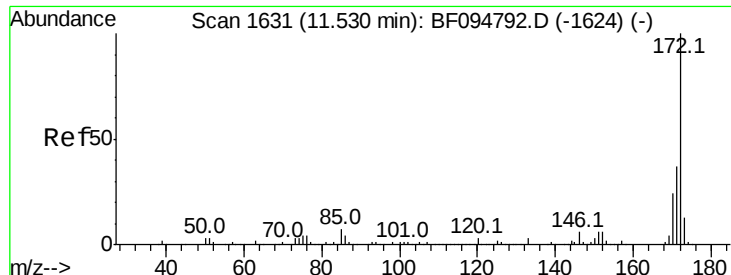


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

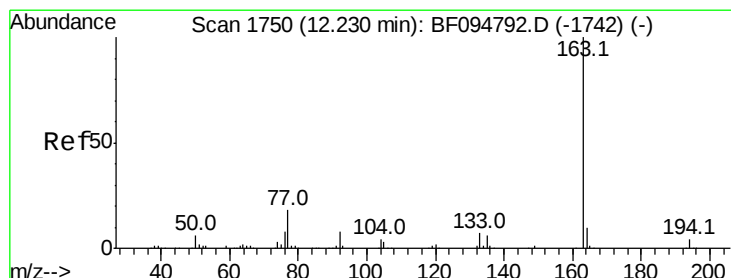
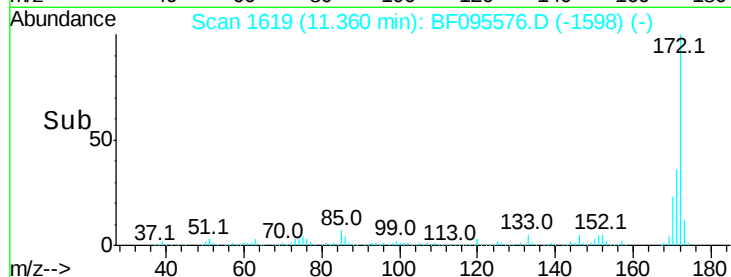
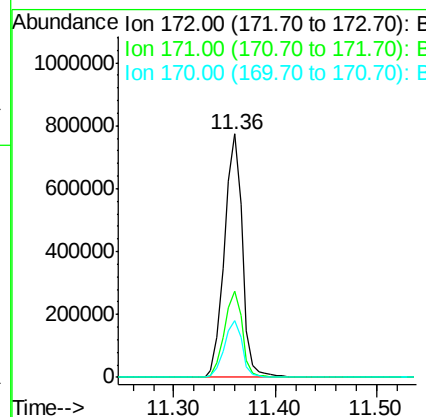
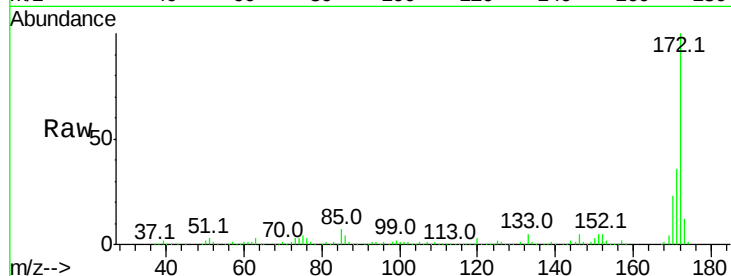




#44
2-Fluorobiphenyl
Concen: 76.87 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.18 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

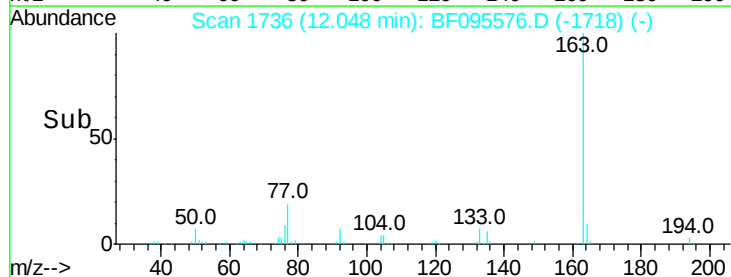
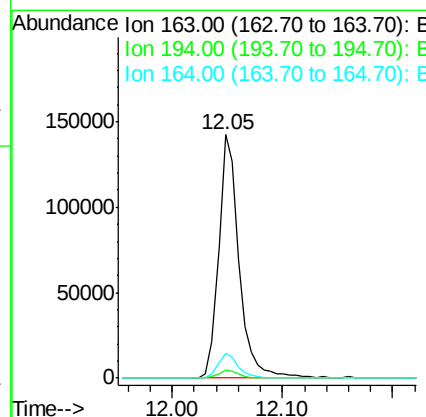
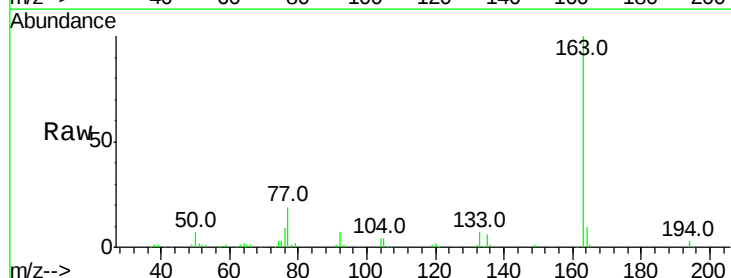
Instrument :
BNA_F
ClientSampleId :

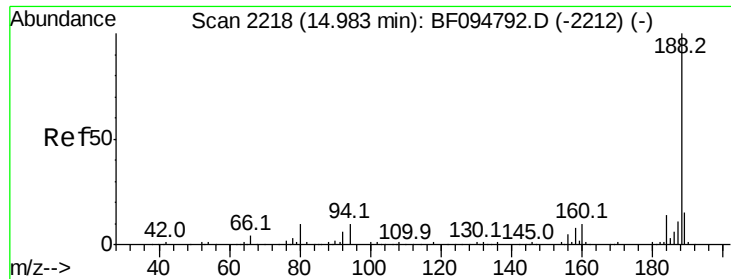
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.6	44.4
170	23.1	19.8	29.8



#49
Dimethylphthalate
Concen: 12.40 ng
RT: 12.05 min Scan# 1736
Delta R.T. -0.19 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.1	8.4	12.6

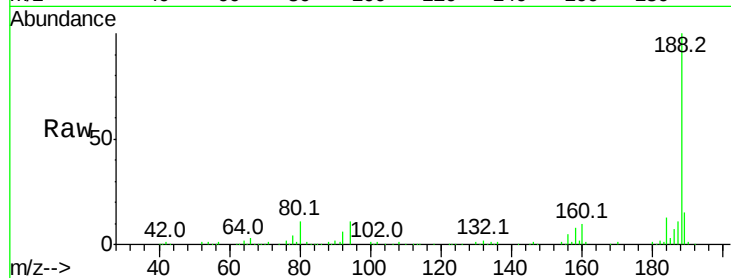




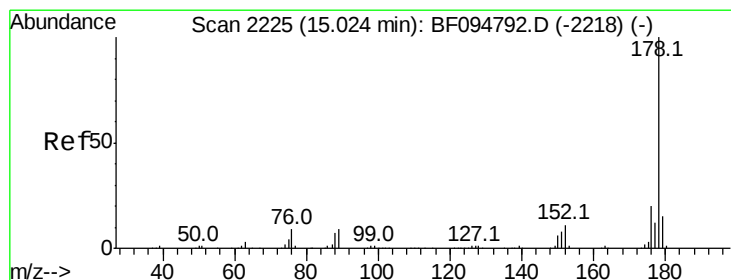
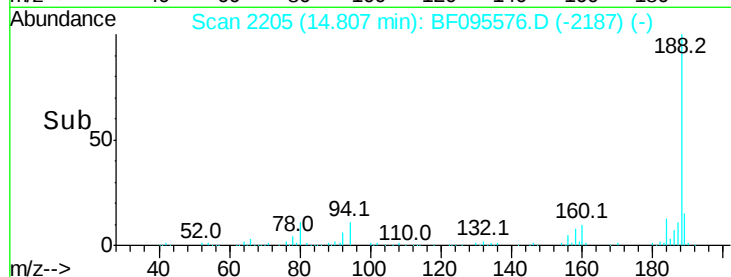
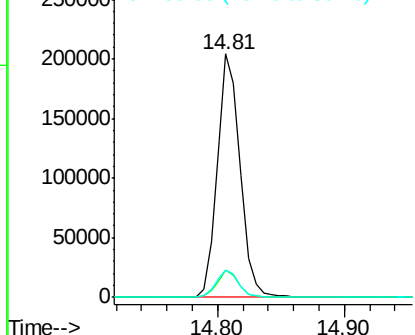
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.81 min Scan# 2205
Delta R.T. -0.19 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 256146
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 11.1 10.2 15.2

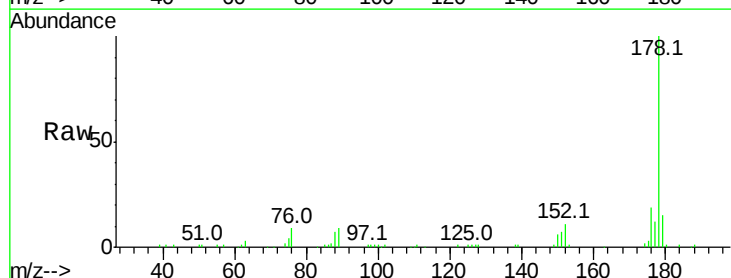


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

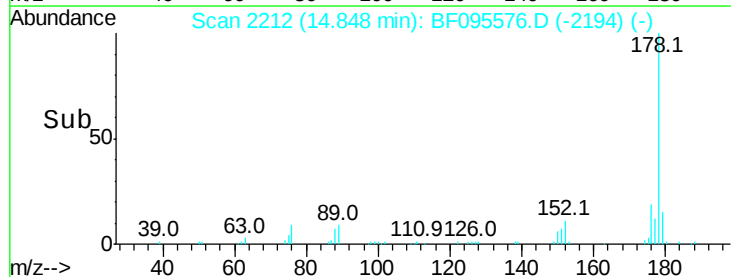
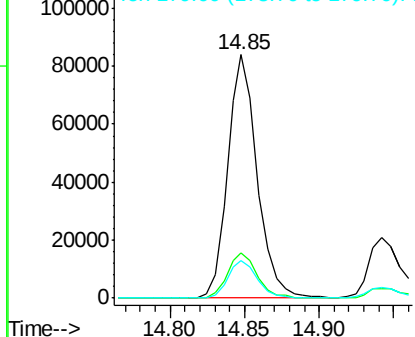


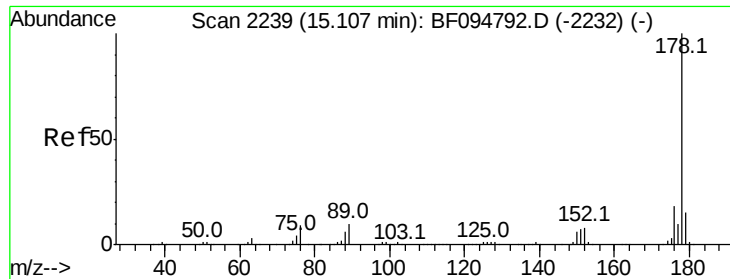
#70
Phenanthrene
Concen: 7.87 ng
RT: 14.85 min Scan# 2212
Delta R.T. -0.19 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

Tgt Ion:178 Resp: 115887
Ion Ratio Lower Upper
178 100
176 18.6 16.2 24.4
179 15.4 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

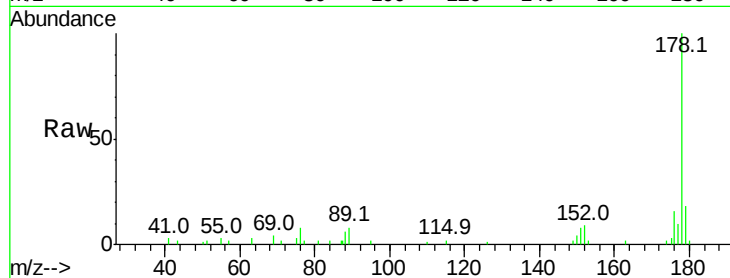




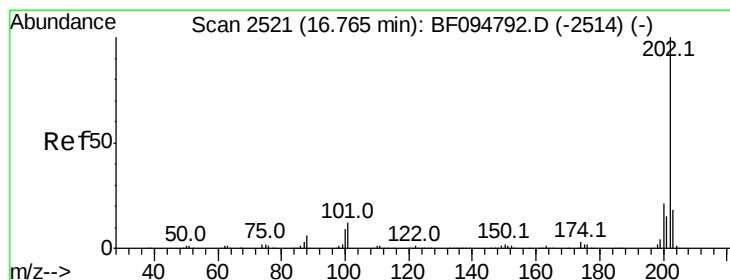
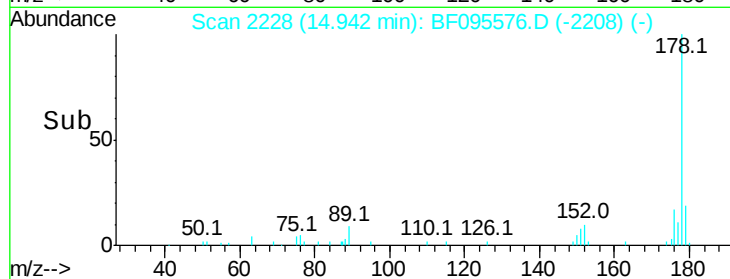
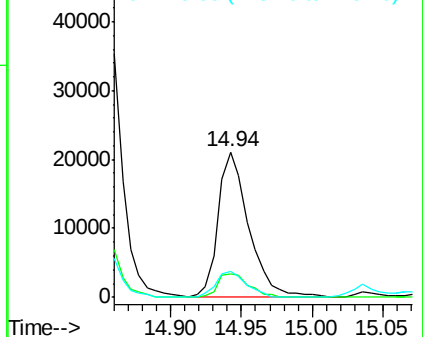
#71
 Anthracene
 Concen: 2.13 ng
 RT: 14.94 min Scan# 2228
 Delta R.T. -0.18 min
 Lab File: BF095576.D
 Acq: 31 May 2017 21:44

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 32014
 Ion Ratio Lower Upper
 178 100
 176 16.1 15.8 23.8
 179 17.7 12.7 19.1

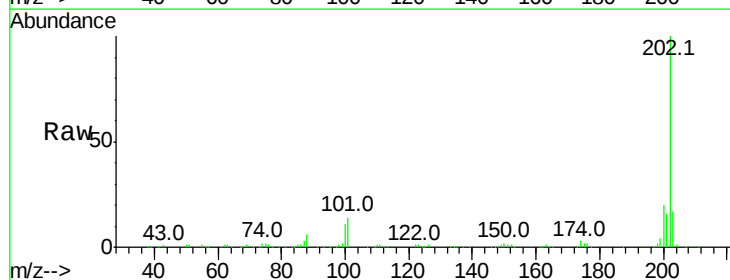


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

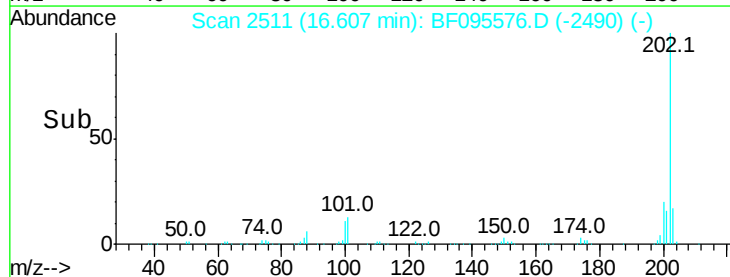
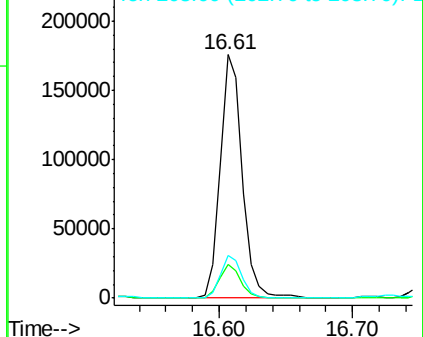


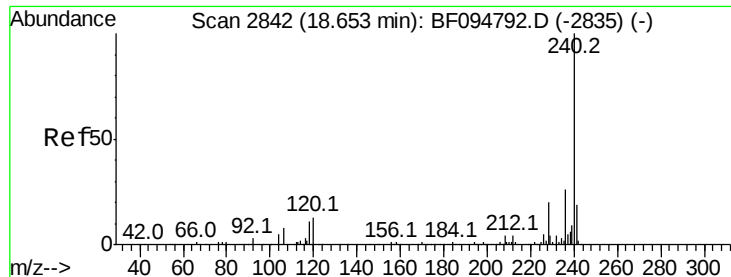
#74
 Fluoranthene
 Concen: 13.58 ng
 RT: 16.61 min Scan# 2511
 Delta R.T. -0.18 min
 Lab File: BF095576.D
 Acq: 31 May 2017 21:44

Tgt Ion:202 Resp: 205024
 Ion Ratio Lower Upper
 202 100
 101 13.6 0.0 33.2
 203 17.4 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

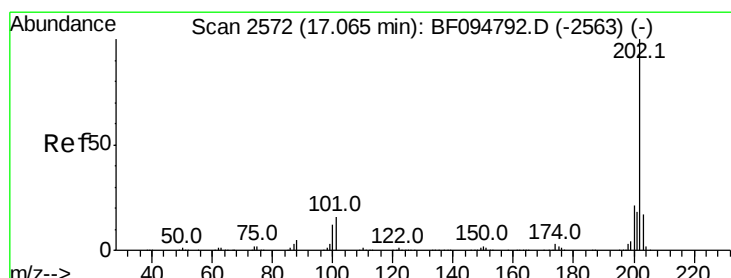
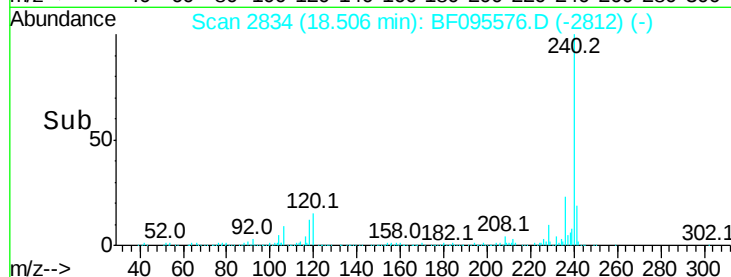
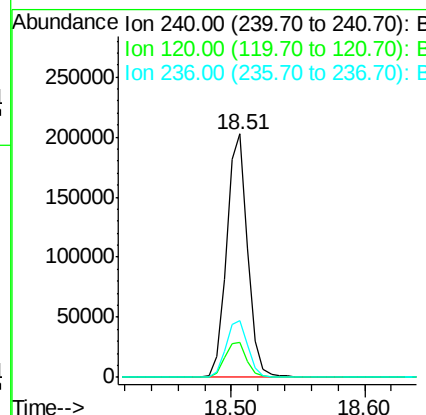
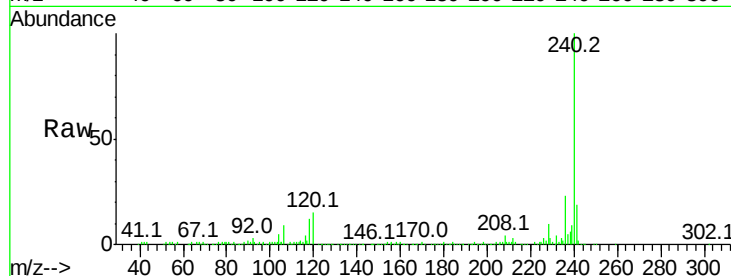




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.51 min Scan# 2834
 Delta R.T. -0.17 min
 Lab File: BF095576.D
 Acq: 31 May 2017 21:44

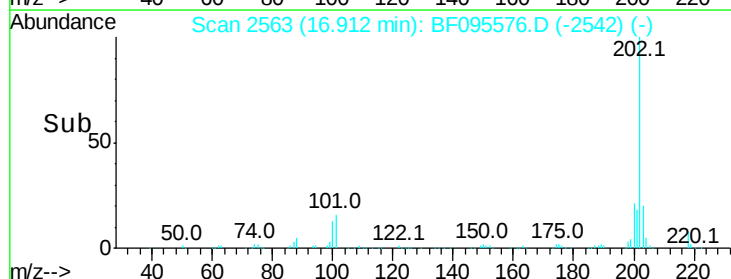
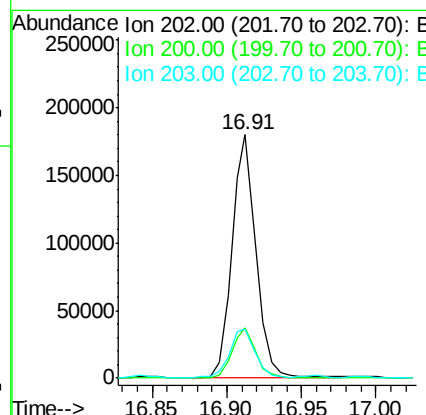
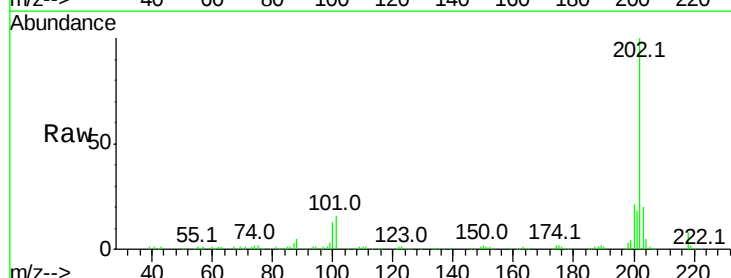
Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:240 Resp: 224071
 Ion Ratio Lower Upper
 240 100
 120 14.5 5.8 8.8#
 236 23.1 20.5 30.7



#77
 Pyrene
 Concen: 12.05 ng
 RT: 16.91 min Scan# 2563
 Delta R.T. -0.18 min
 Lab File: BF095576.D
 Acq: 31 May 2017 21:44

Tgt Ion:202 Resp: 202012
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.6 26.4
 203 20.3 14.4 21.6

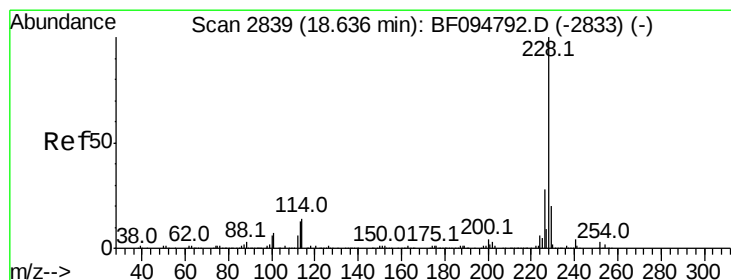
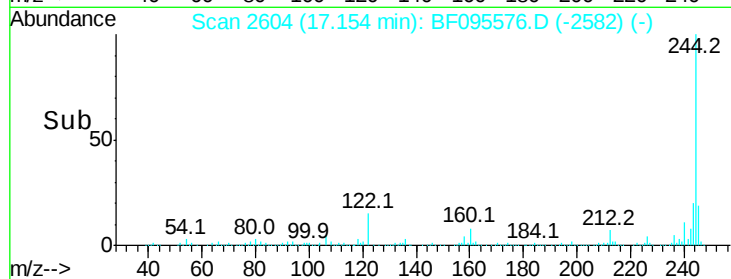
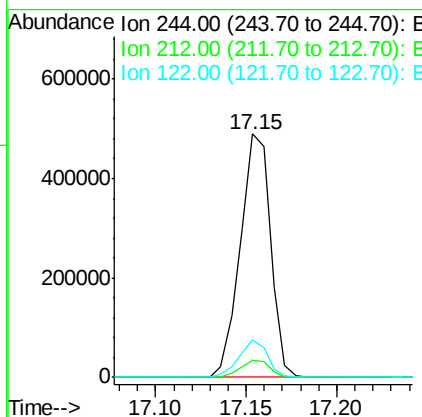
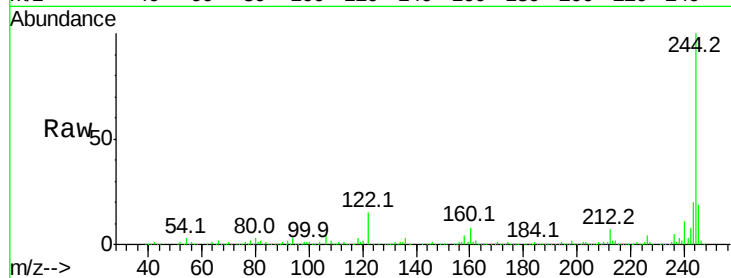




#78
 Terphenyl-d14
 Concen: 56.00 ng
 RT: 17.15 min Scan# 2604
 Delta R.T. -0.17 min
 Lab File: BF095576.D
 Acq: 31 May 2017 21:44

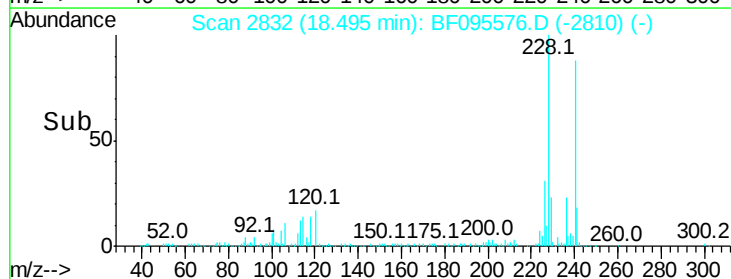
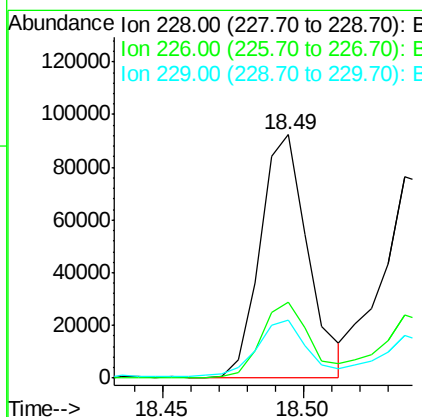
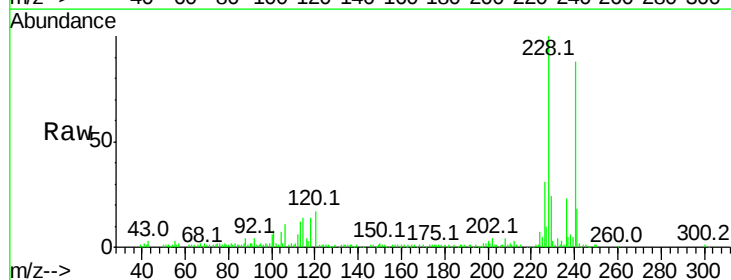
Instrument :
 BNA_F
 ClientSampleId :

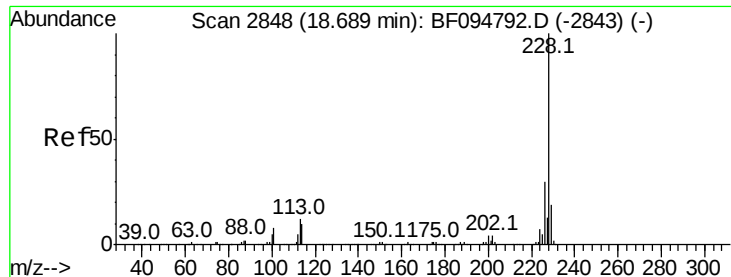
Tot Ion:244 Resp: 569698
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 15.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 8.26 ng
 RT: 18.49 min Scan# 2832
 Delta R.T. -0.17 min
 Lab File: BF095576.D
 Acq: 31 May 2017 21:44

Tgt Ion:228 Resp: 107707
 Ion Ratio Lower Upper
 228 100
 226 31.2 22.6 33.8
 229 23.9 16.3 24.5





#82

Chrysene

Concen: 8.51 ng

RT: 18.54 min Scan# 2839

Delta R.T. -0.18 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

Instrument :

BNA_F

ClientSampleId :

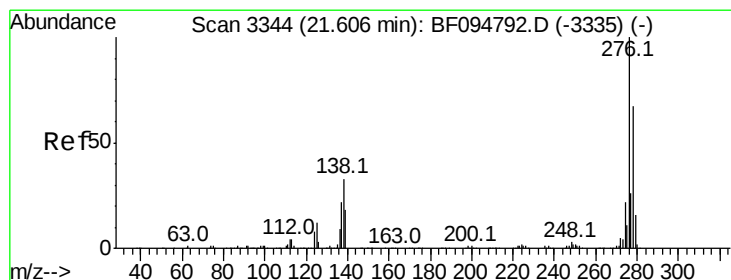
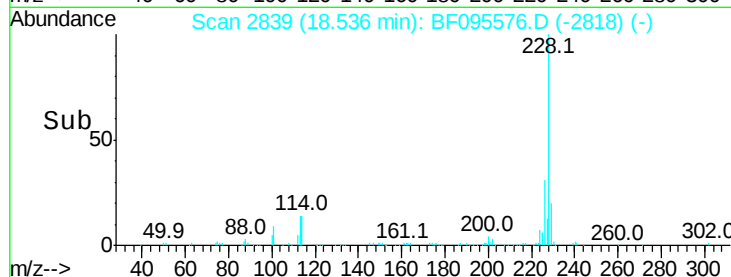
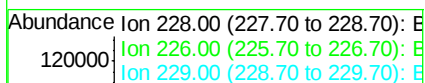
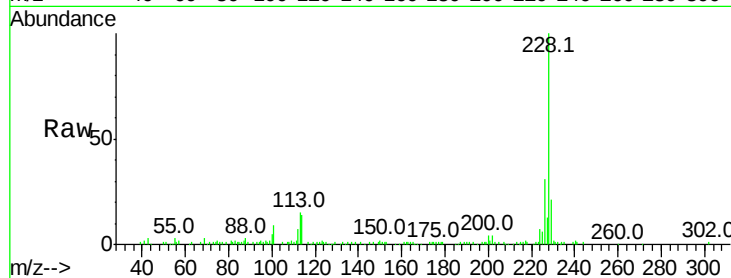
Tot Ion:228 Resp: 107316

Ion Ratio Lower Upper

228 100

226 31.5 24.9 37.3

229 21.0 15.8 23.6



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.84 ng

RT: 21.43 min Scan# 3331

Delta R.T. -0.25 min

Lab File: BF095576.D

Acq: 31 May 2017 21:44

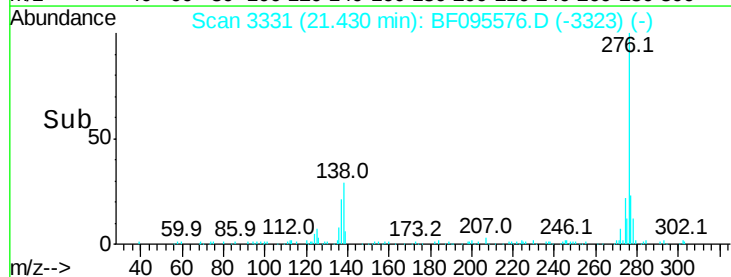
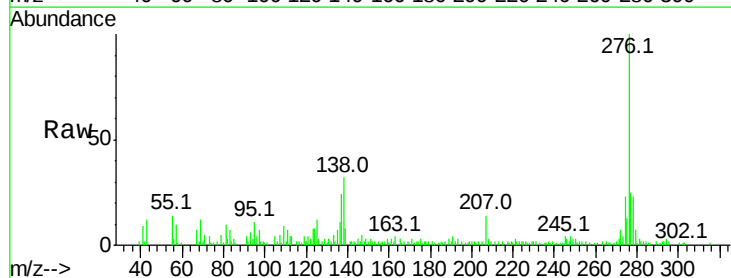
Tgt Ion:276 Resp: 49525

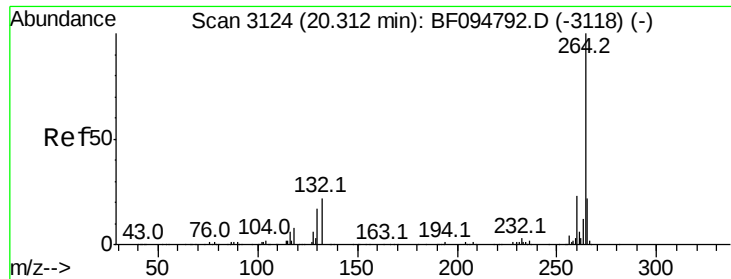
Ion Ratio Lower Upper

276 100

138 28.9 27.8 41.6

277 25.1 20.2 30.4

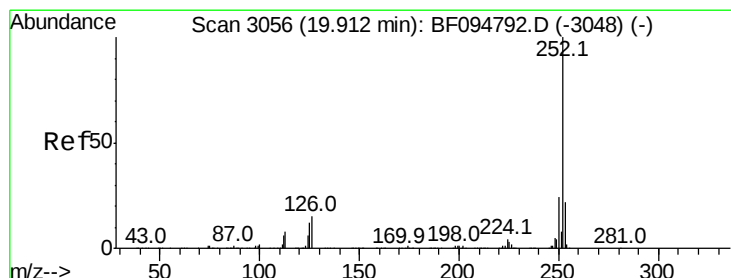
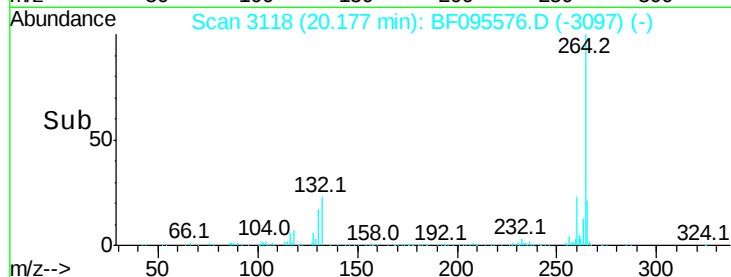
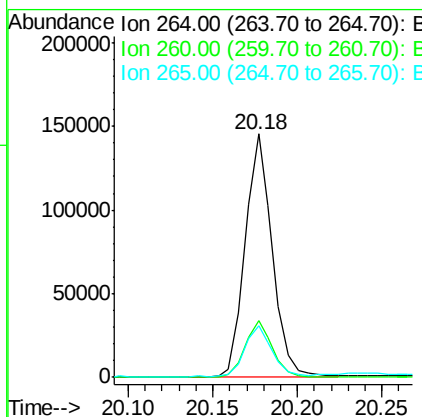
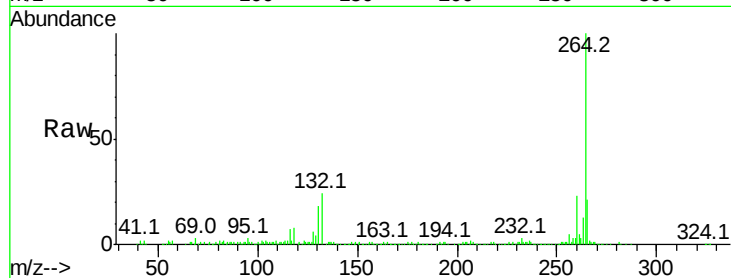




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

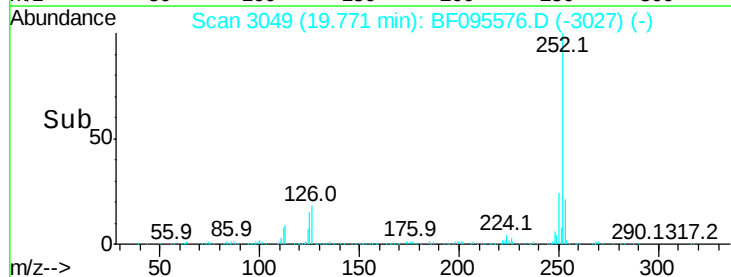
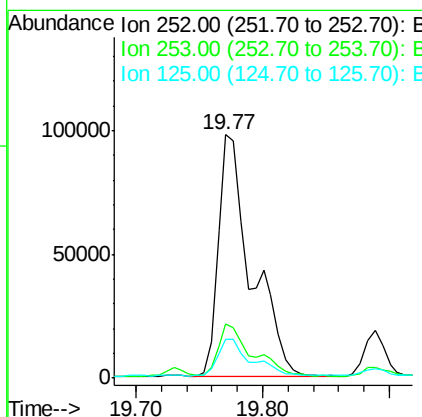
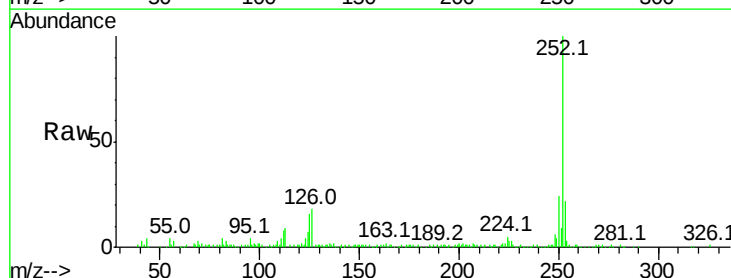
Instrument :
BNA_F
ClientSampleId :

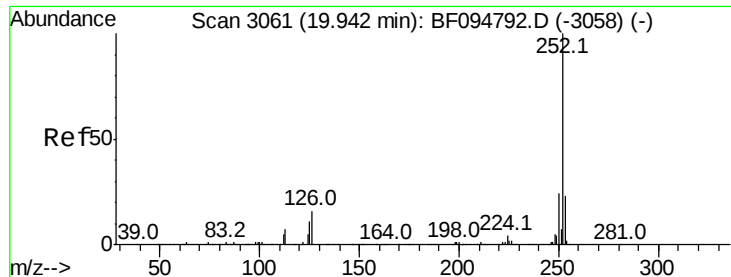
Tot Ion:264 Resp: 163510
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 17.64 ng
RT: 19.77 min Scan# 3049
Delta R.T. -0.17 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

Tgt Ion:252 Resp: 178261
Ion Ratio Lower Upper
252 100
253 22.0 18.1 27.1
125 15.9 9.8 14.8#

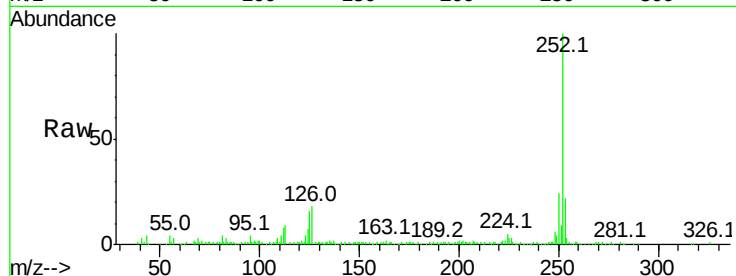




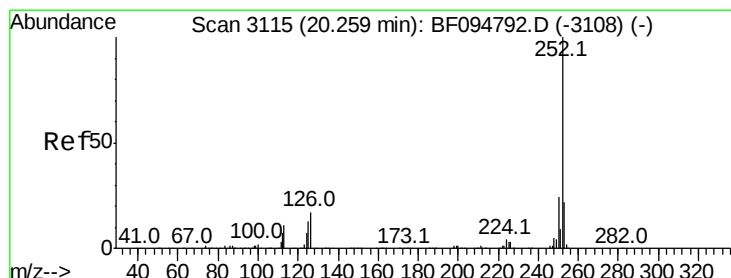
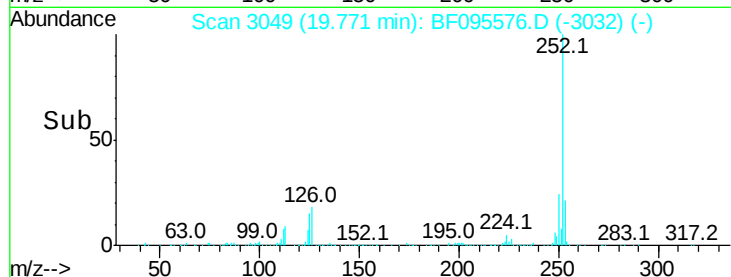
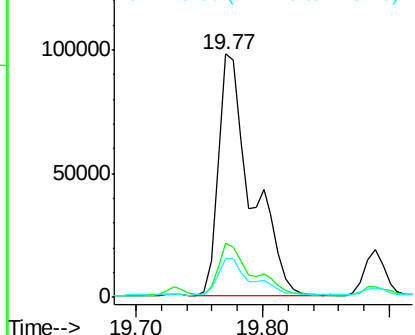
#88
Benzo(k)fluoranthene
Concen: 18.29 ng
RT: 19.77 min Scan# 3049
Delta R.T. -0.20 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 178261
Ion Ratio Lower Upper
252 100
253 22.0 18.4 27.6
125 15.9 13.1 19.7

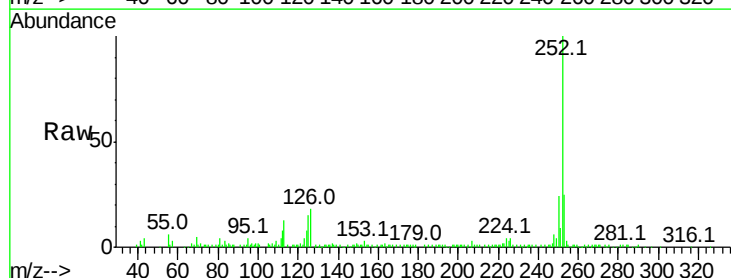


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

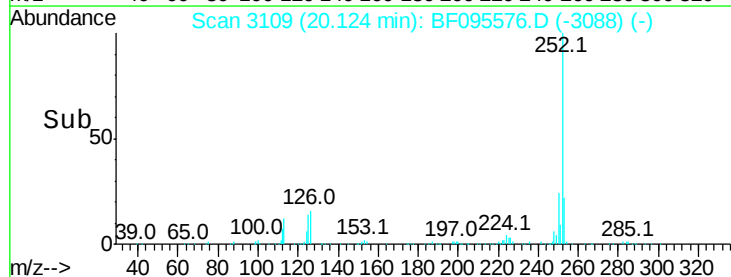
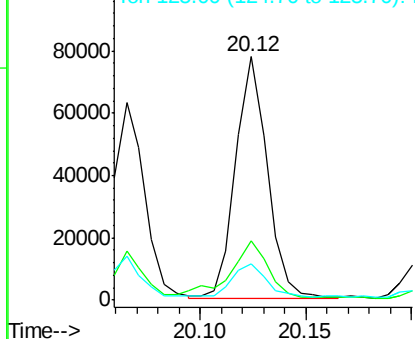


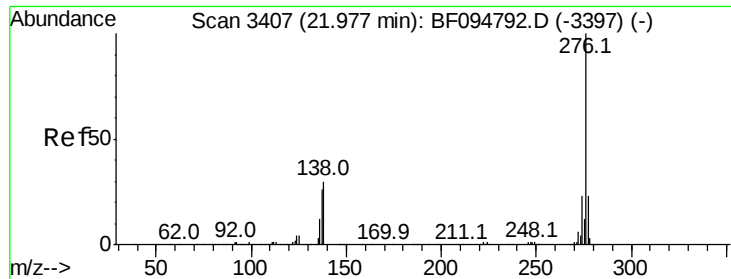
#89
Benzo(a)pyrene
Concen: 8.77 ng
RT: 20.12 min Scan# 3109
Delta R.T. -0.18 min
Lab File: BF095576.D
Acq: 31 May 2017 21:44

Tgt Ion:252 Resp: 81761
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 15.1 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(a,h,i)perylene
 Concen: 6.43 ng
 RT: 21.79 min Scan# 3393
 Delta R.T. -0.28 min
 Lab File: BF095576.D
 Acq: 31 May 2017 21:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.6	28.0
138	33.5	25.4	38.0

