

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053117\
 Data File : BF095581.D
 Acq On : 1 Jun 2017 00:25
 Operator : SJ/MA
 Sample : I3341-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 01 01:38:15 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

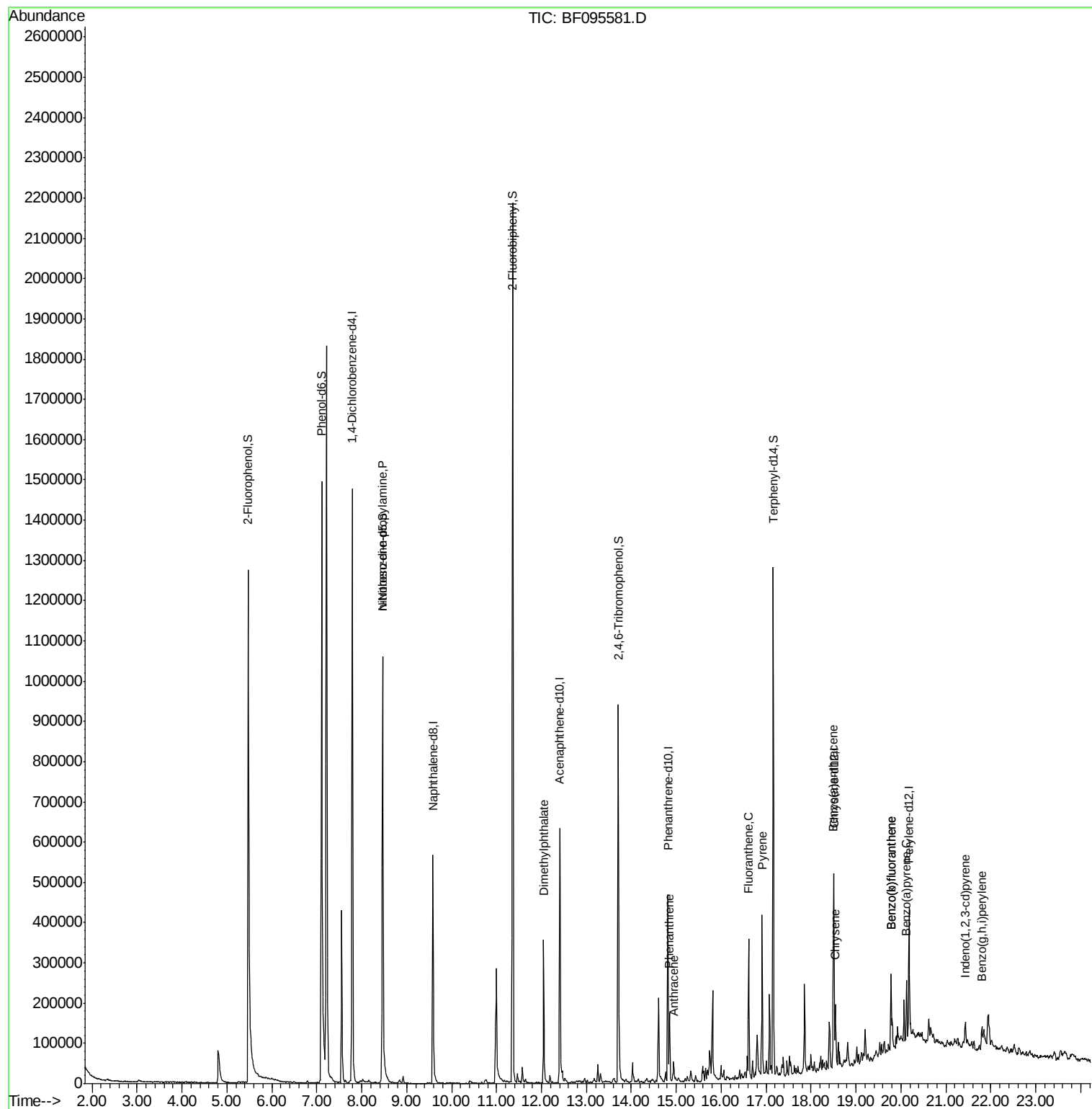
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	328184	20.00	ng	0.05
21) Naphthalene-d8	9.58	136	403915	20.00	ng	-0.18
38) Acenaphthene-d10	12.41	164	182263	20.00	ng	-0.19
63) Phenanthrene-d10	14.81	188	229323	20.00	ng	-0.19
75) Chrysene-d12	18.51	240	168206	20.00	ng	-0.17
86) Perylene-d12	20.18	264	131249	20.00	ng	-0.18
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	729491	37.06	ng	-0.24
7) Phenol-d6	7.11	99	925602	39.19	ng	-0.19
23) Nitrobenzene-d5	8.47	82	539651	84.25	ng	-0.19
41) 2,4,6-Tribromophenol	13.71	330	156127	104.60	ng	-0.19
44) 2-Fluorobiphenyl	11.36	172	960992	75.89	ng	-0.18
78) Terphenyl-d14	17.16	244	475152	62.22	ng	-0.16
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	8.47	70	70512	4.41	ng	# 76
49) Dimethylphthalate	12.05	163	210976	14.10	ng	98
70) Phenanthrene	14.85	178	98947	7.51	ng	99
71) Anthracene	14.94	178	29485	2.19	ng	97
74) Fluoranthene	16.61	202	175885	13.01	ng	95
77) Pyrene	16.91	202	159913	12.71	ng	95
80) Benzo(a)anthracene	18.49	228	82598	8.44	ng	98
82) Chrysene	18.54	228	80053	8.46	ng	98
85) Indeno(1,2,3-cd)pyrene	21.44	276	37184	4.84	ng	95
87) Benzo(b)fluoranthene	19.78	252	121815	15.02	ng	98
88) Benzo(k)fluoranthene	19.78	252	121815	15.57	ng	97
89) Benzo(a)pyrene	20.12	252	63052	8.43	ng	# 92
91) Benzo(a,h,i)perylene	21.79	276	35355	5.83	ng	95

(#) = 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: BF095581.D

Acq: 1 Jun 2017 00:25

Instrument :

BNA_F

ClientSampleId :

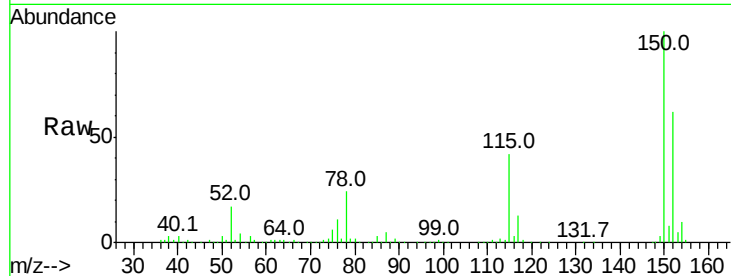
Tot Ion:152 Resp: 328184

Ion Ratio Lower Upper

152 100

150 160.0 126.2 189.2

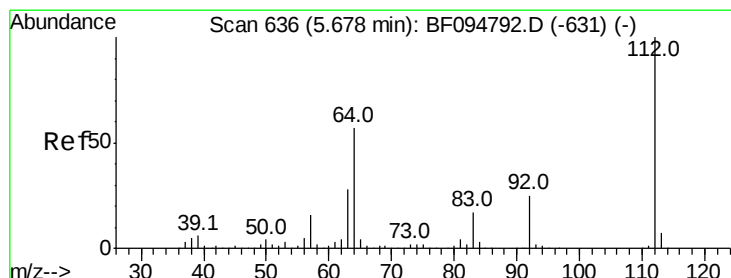
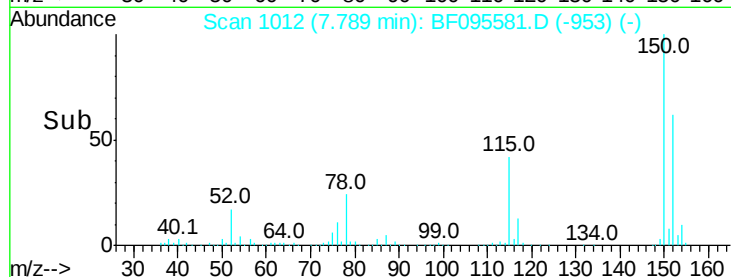
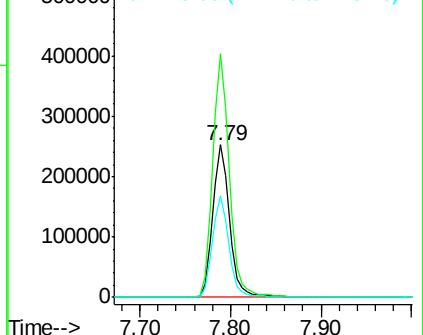
115 66.5 52.2 78.2



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: 37.06 ng

RT: 5.47 min Scan# 618

Delta R.T. -0.24 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

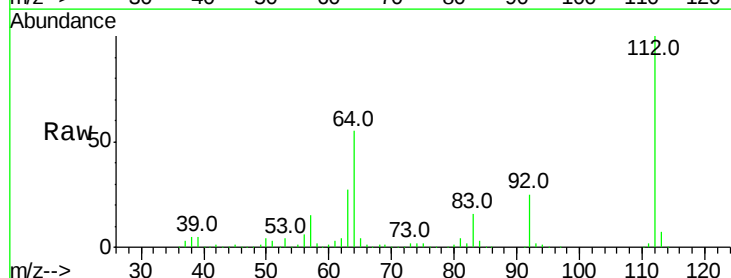
Tgt Ion:112 Resp: 729491

Ion Ratio Lower Upper

112 100

64 55.0 46.0 69.0

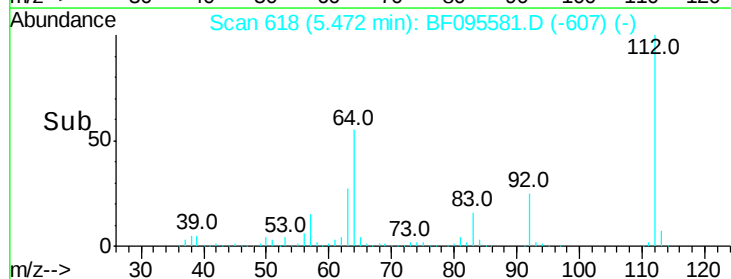
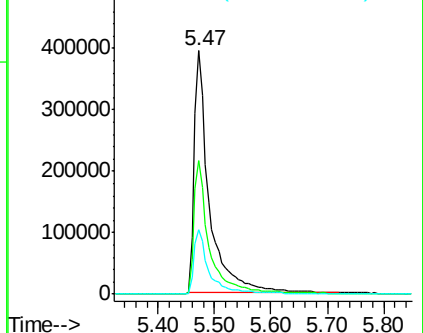
63 26.6 23.4 35.0

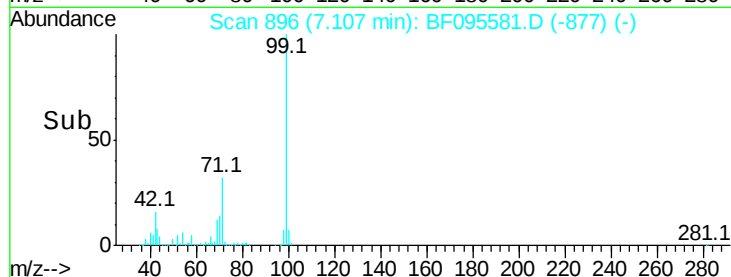
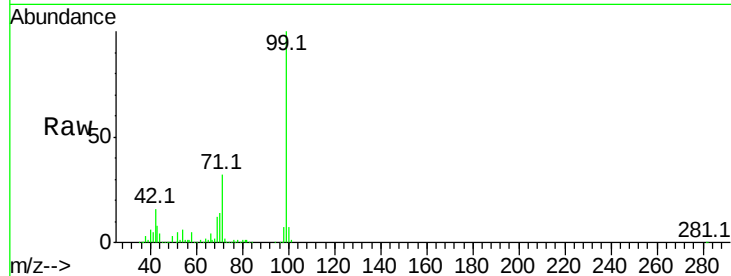
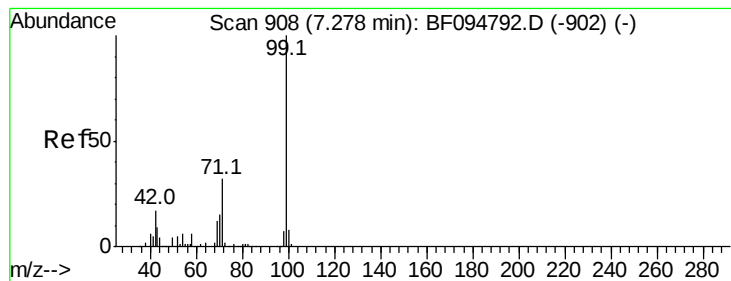


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 39.19 ng

RT: 7.11 min Scan# 896

Delta R.T. -0.19 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

Instrument :

BNA_F

ClientSampleId :

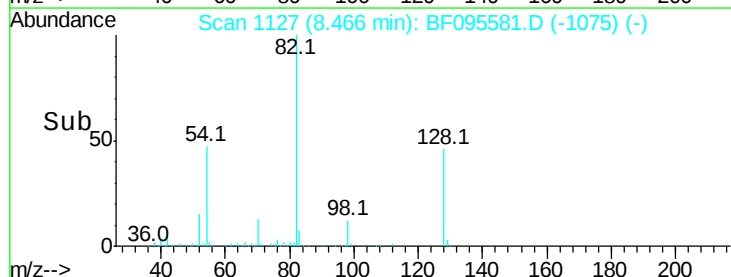
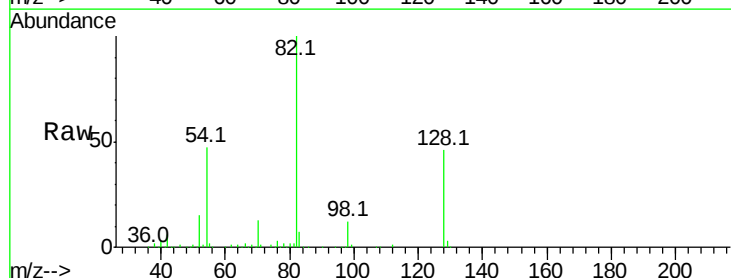
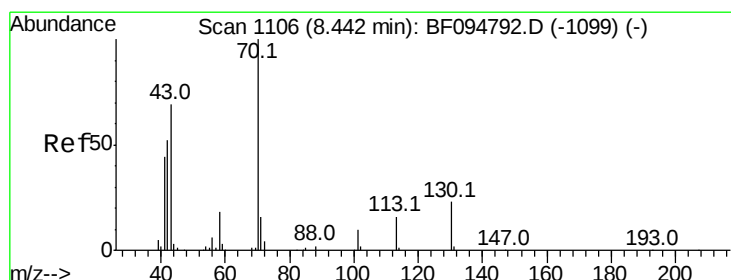
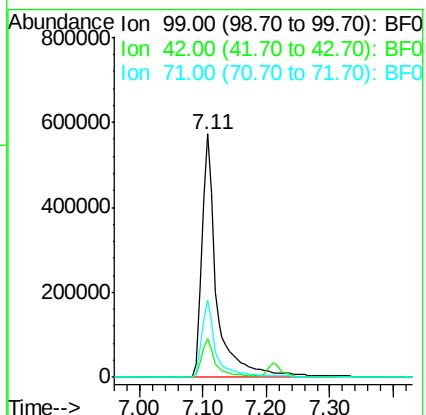
Tot Ion: 99 Resp: 925602

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

71 31.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 4.41 ng

RT: 8.47 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

Tgt Ion: 70 Resp: 70512

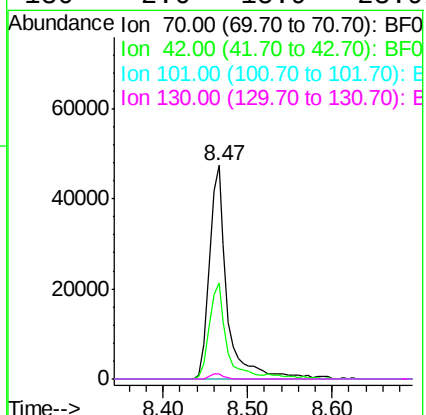
Ion Ratio Lower Upper

70 100

42 44.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.6 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: BF095581.D

Acq: 1 Jun 2017 00:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 403915

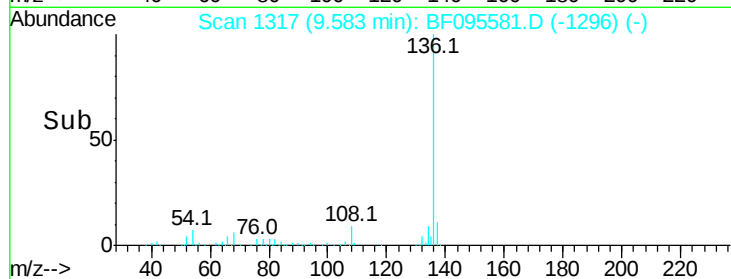
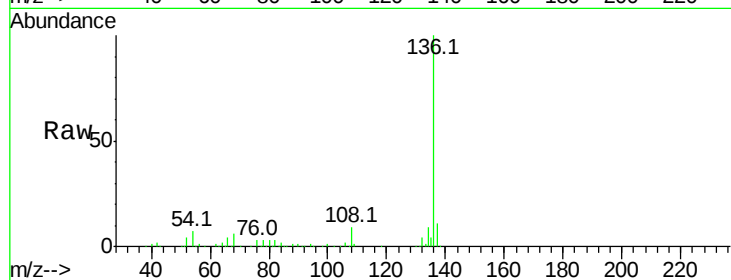
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 6.8 4.9 7.3

68 5.8 4.1 6.1

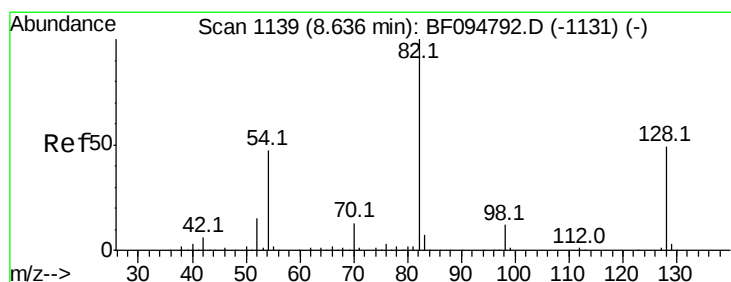
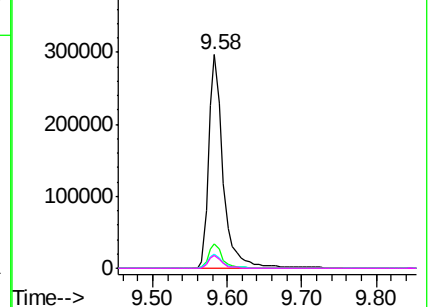


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 84.25 ng

RT: 8.47 min Scan# 1127

Delta R.T. -0.19 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

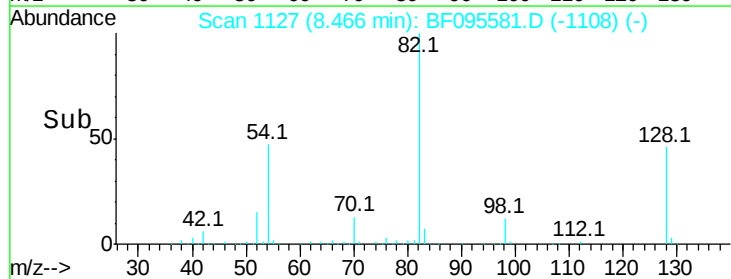
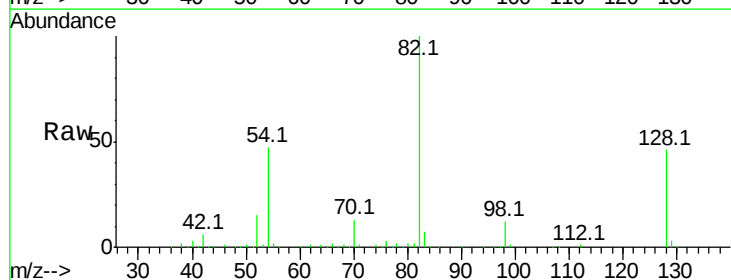
Tgt Ion: 82 Resp: 539651

Ion Ratio Lower Upper

82 100

128 46.5 34.0 51.0

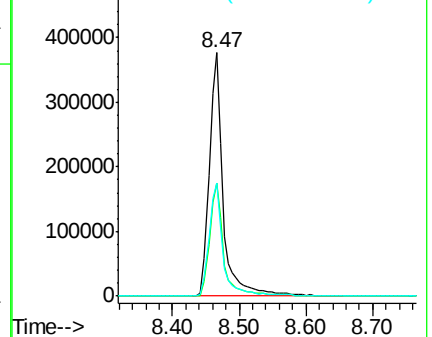
54 46.6 42.2 63.2



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: 12.41 min Scan# 1797

Delta R.T. -0.19 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

Instrument :

BNA_F

ClientSampleId :

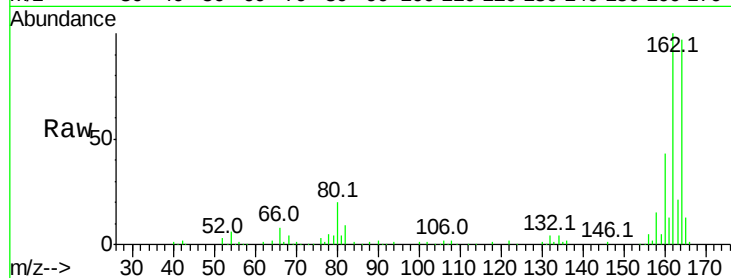
Tot Ion:164 Resp: 182263

Ion Ratio Lower Upper

164 100

162 102.8 82.6 123.8

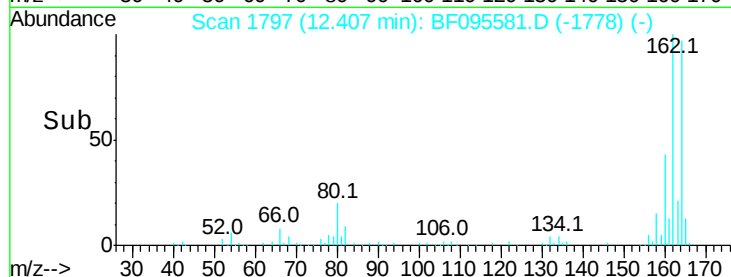
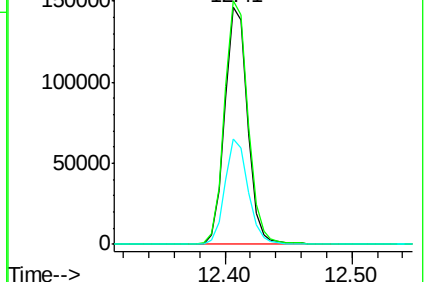
160 44.4 36.2 54.2



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: 104.60 ng

RT: 13.71 min Scan# 2018

Delta R.T. -0.19 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

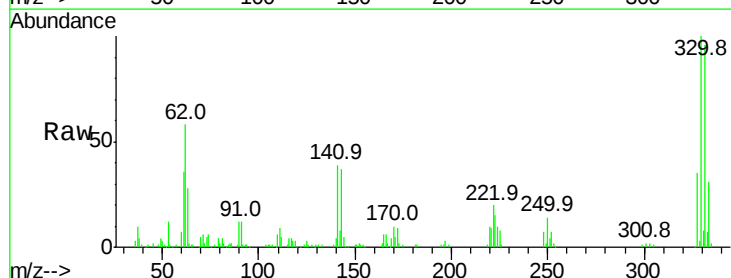
Tgt Ion:330 Resp: 156127

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

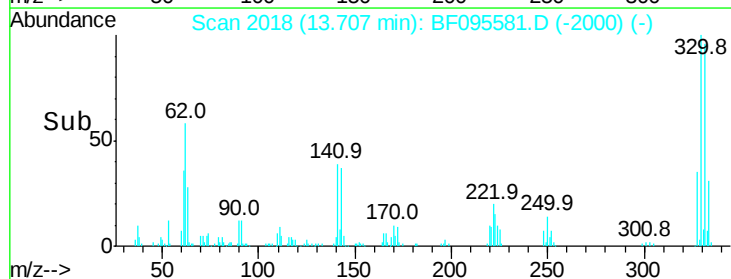
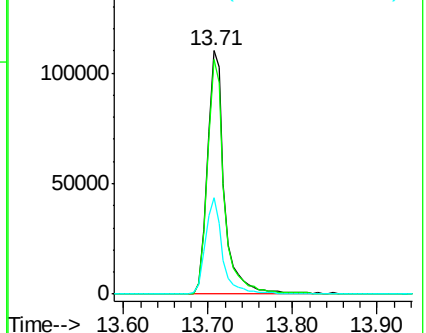
141 39.5 31.4 47.2



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

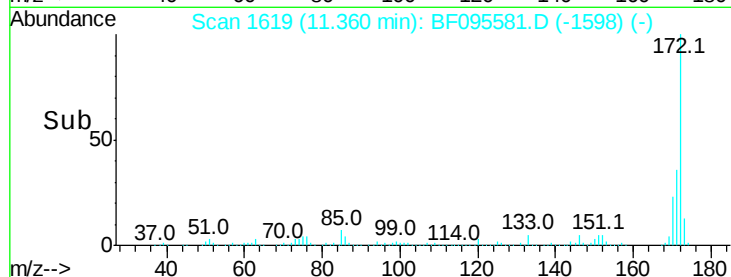
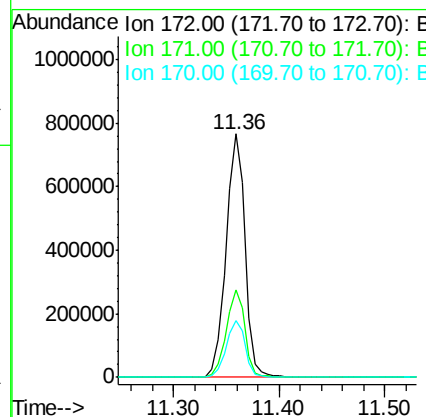
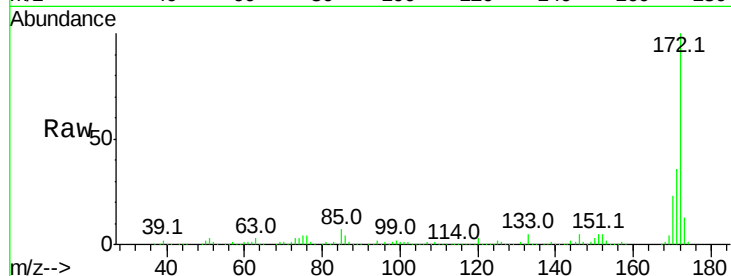




#44
2-Fluorobiphenyl
Concen: 75.89 ng
RT: 11.36 min Scan# 1619
Delta R.T. -0.18 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

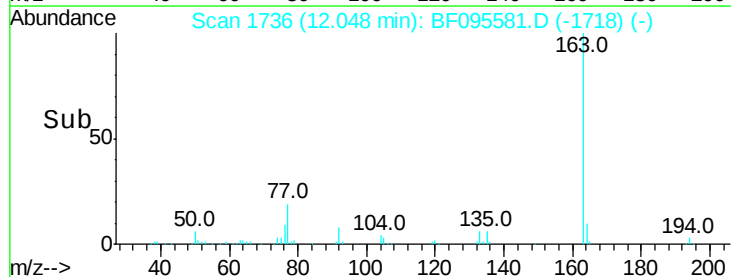
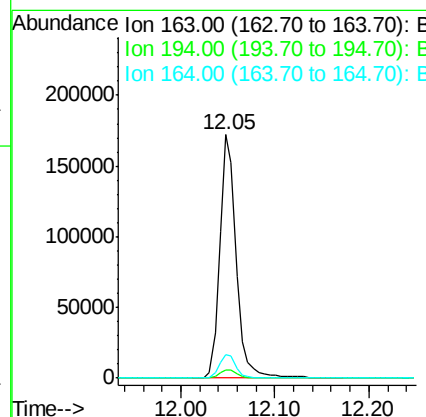
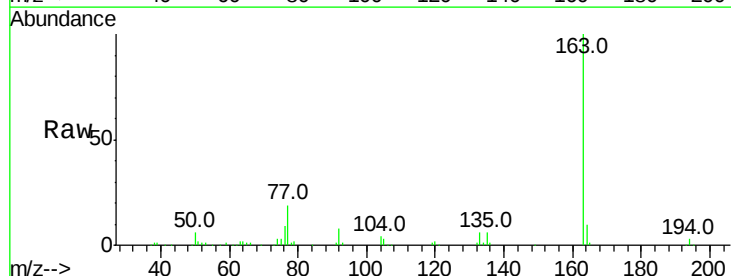
Instrument :
BNA_F
ClientSampleId :

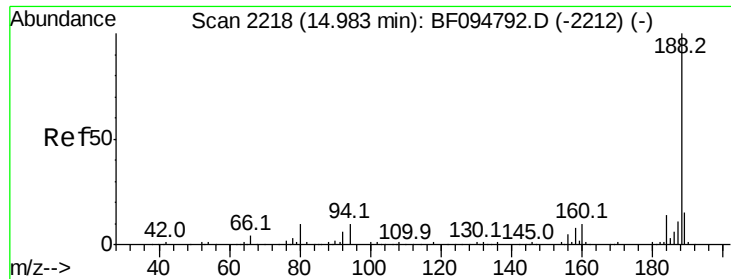
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.4	19.8	29.8



#49
Dimethylphthalate
Concen: 14.10 ng
RT: 12.05 min Scan# 1736
Delta R.T. -0.19 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.6	8.4	12.6

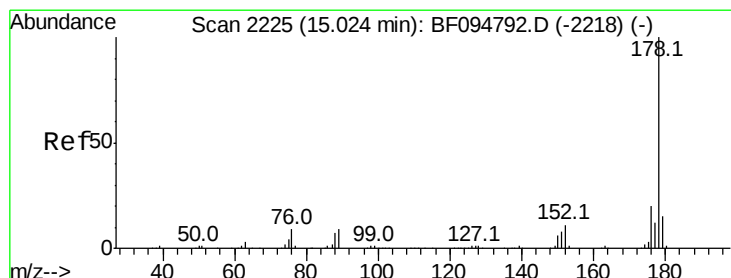
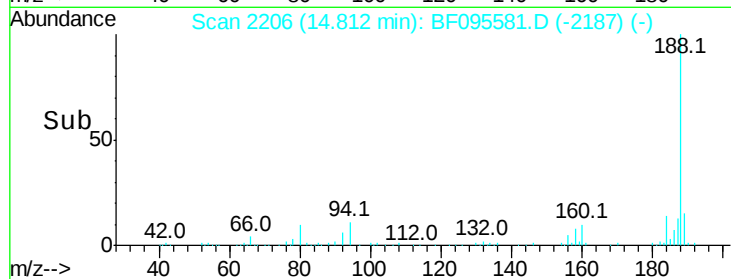
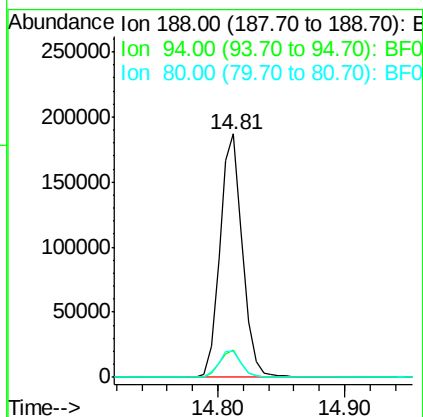
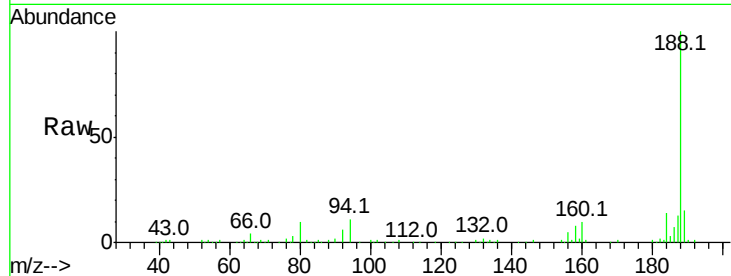




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.81 min Scan# 2206
 Delta R.T. -0.19 min
 Lab File: BF095581.D
 Acq: 1 Jun 2017 00:25

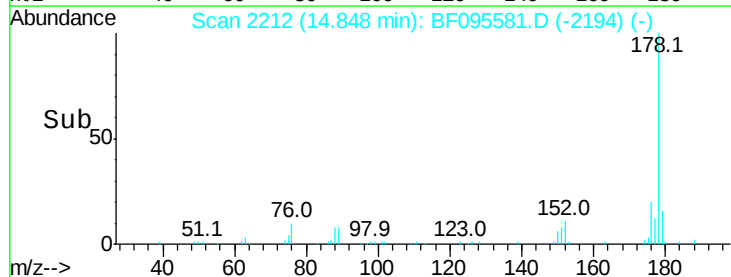
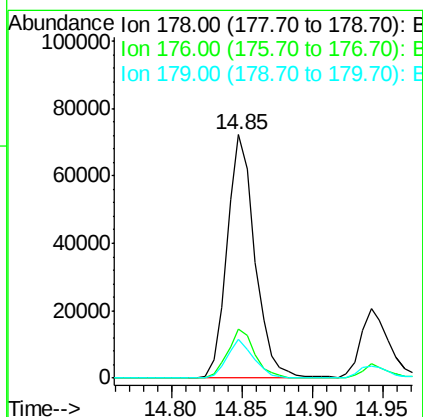
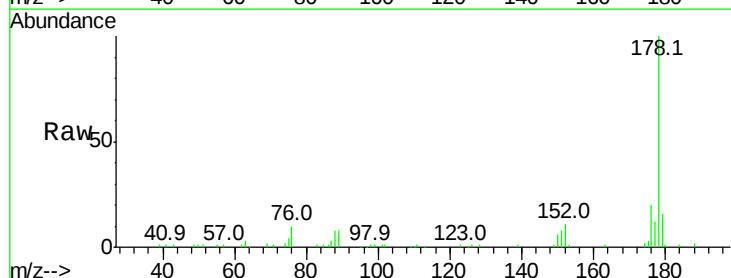
Instrument :
 BNA_F
 ClientSampled :

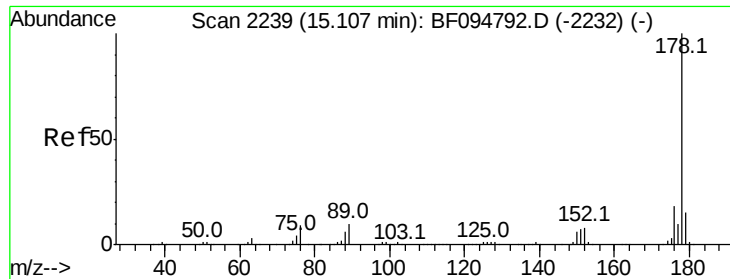
Tot Ion:188 Resp: 229323
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 10.4 10.2 15.2



#70
 Phenanthrene
 Concen: 7.51 ng
 RT: 14.85 min Scan# 2212
 Delta R.T. -0.19 min
 Lab File: BF095581.D
 Acq: 1 Jun 2017 00:25

Tgt Ion:178 Resp: 98947
 Ion Ratio Lower Upper
 178 100
 176 20.1 16.2 24.4
 179 16.1 12.6 19.0

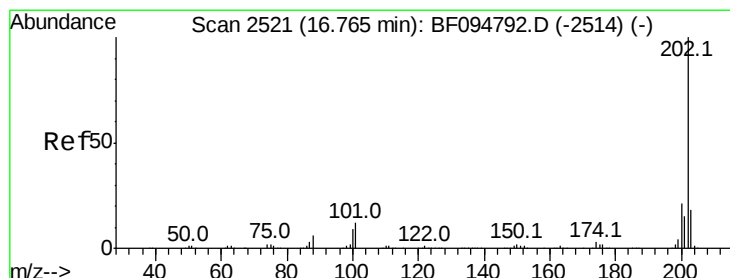
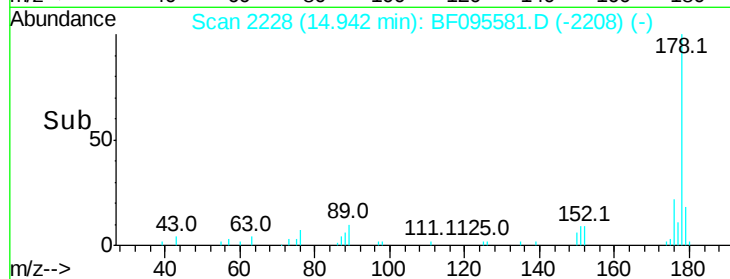
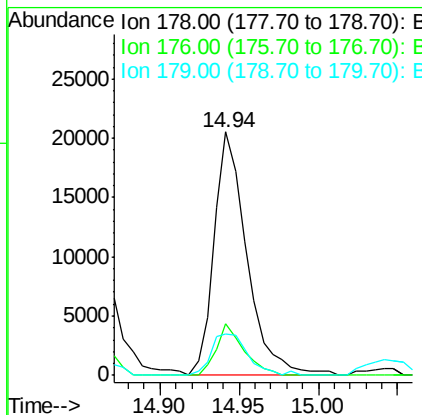
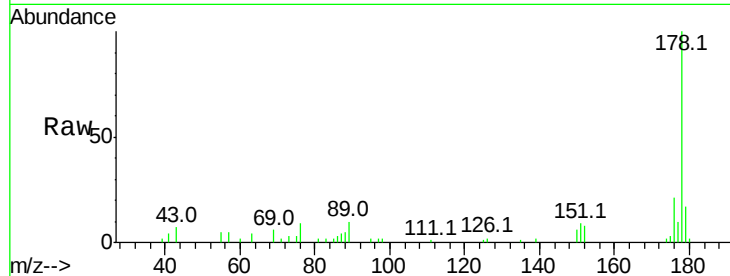




#71
 Anthracene
 Concen: 2.19 ng
 RT: 14.94 min Scan# 2228
 Delta R.T. -0.18 min
 Lab File: BF095581.D
 Acq: 1 Jun 2017 00:25

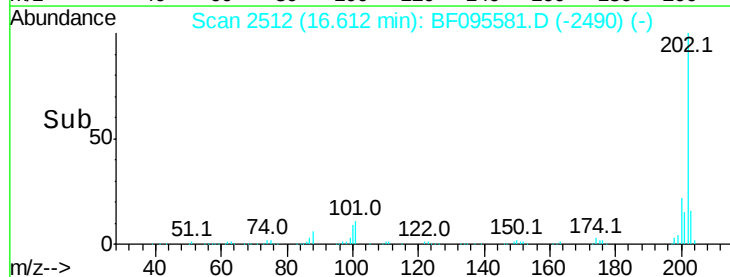
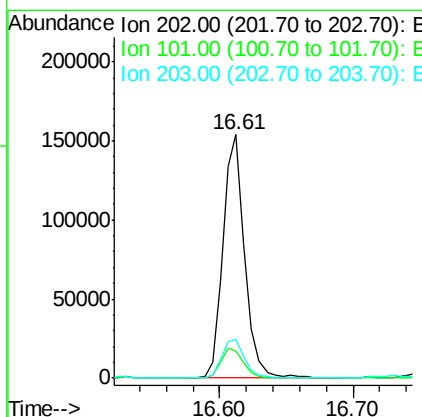
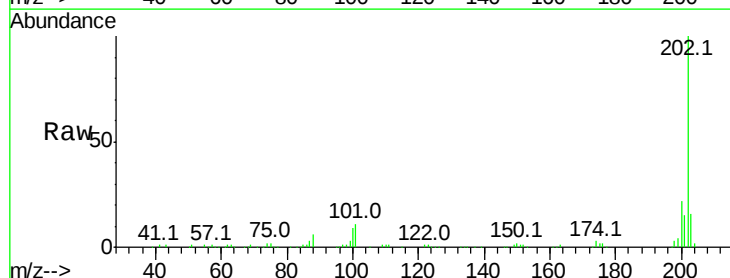
Instrument :
 BNA_F
 ClientSampleId :

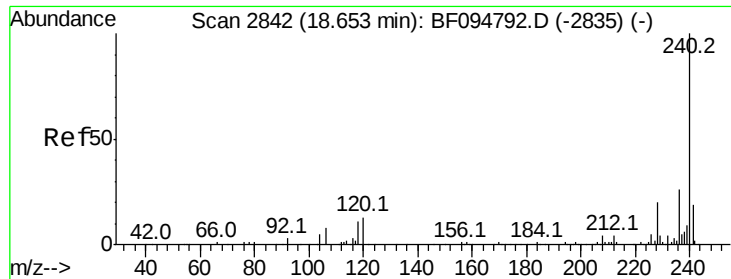
Tot Ion:178 Resp: 29485
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.8 23.8
 179 17.1 12.7 19.1



#74
 Fluoranthene
 Concen: 13.01 ng
 RT: 16.61 min Scan# 2512
 Delta R.T. -0.17 min
 Lab File: BF095581.D
 Acq: 1 Jun 2017 00:25

Tgt Ion:202 Resp: 175885
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 33.2
 203 16.0 0.0 38.1

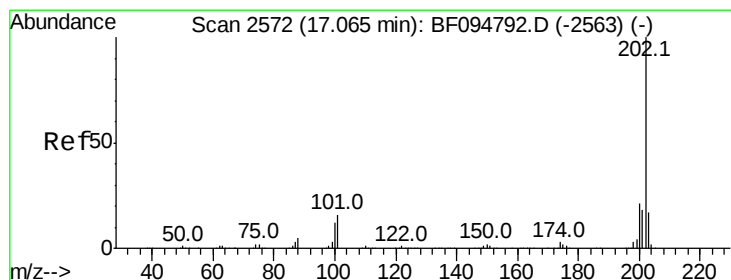
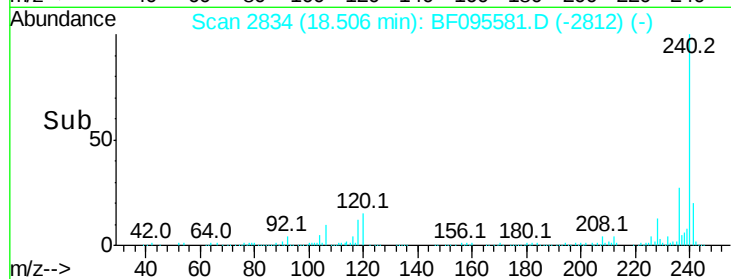
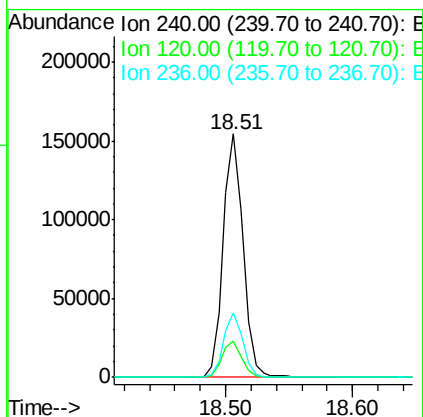
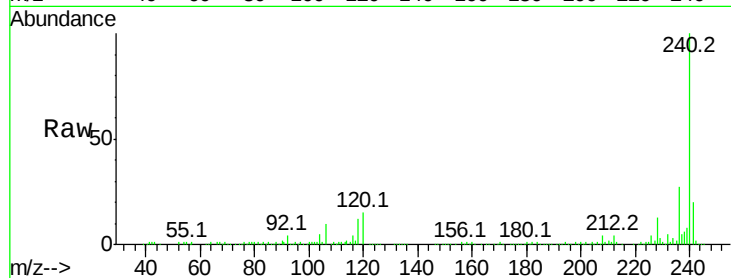




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.51 min Scan# 2834
Delta R.T. -0.17 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

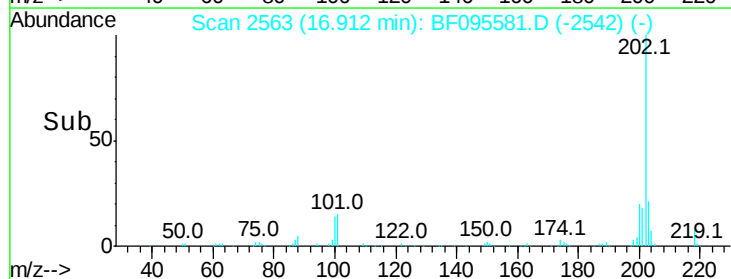
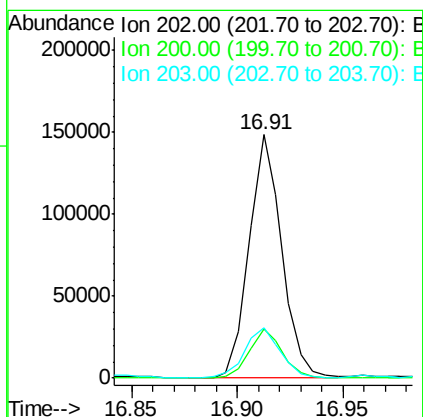
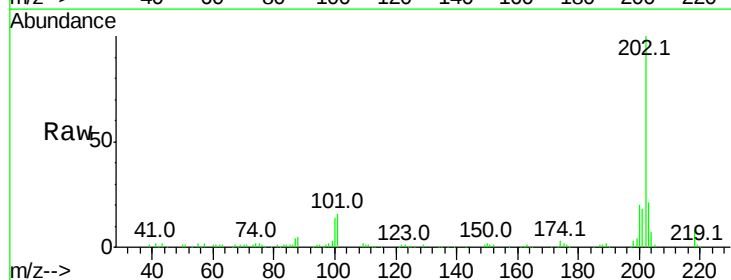
Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 168206
Ion Ratio Lower Upper
240 100
120 14.7 5.8 8.8#
236 26.6 20.5 30.7



#77
Pyrene
Concen: 12.71 ng
RT: 16.91 min Scan# 2563
Delta R.T. -0.18 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

Tgt Ion:202 Resp: 159913
Ion Ratio Lower Upper
202 100
200 20.2 17.6 26.4
203 20.5 14.4 21.6





#78

Terphenyl-d14

Concen: 62.22 ng

RT: 17.16 min Scan# 2605

Delta R.T. -0.16 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

Instrument :

BNA_F

ClientSampleId :

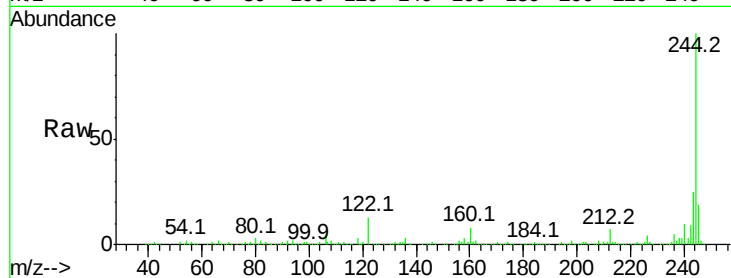
Tot Ion:244 Resp: 475152

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

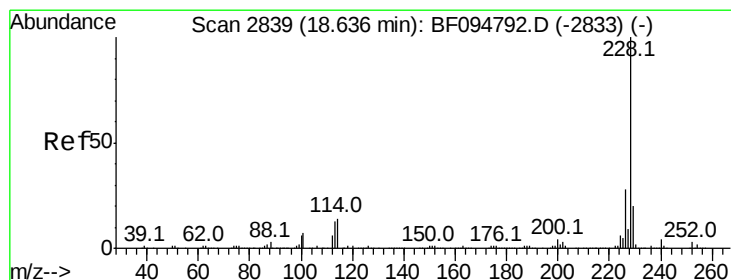
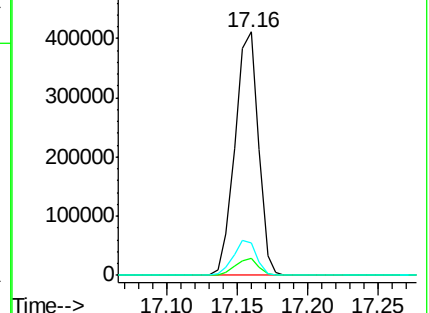
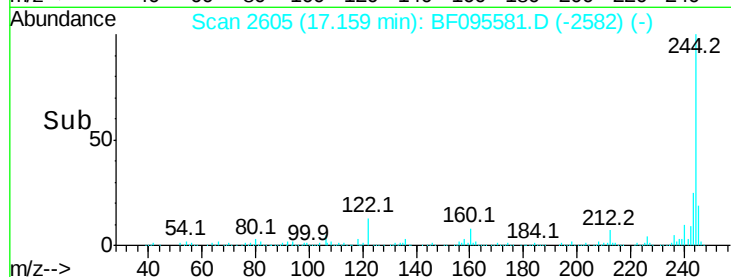
122 13.5 10.3 15.5



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: 8.44 ng

RT: 18.49 min Scan# 2832

Delta R.T. -0.17 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

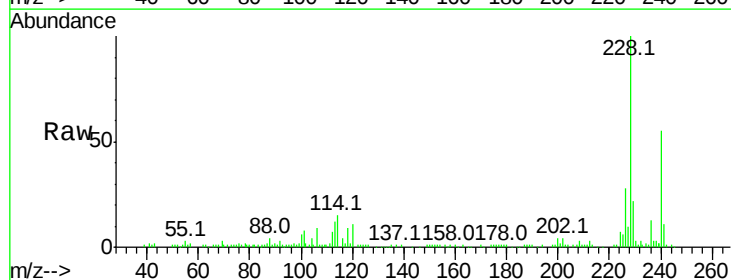
Tgt Ion:228 Resp: 82598

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

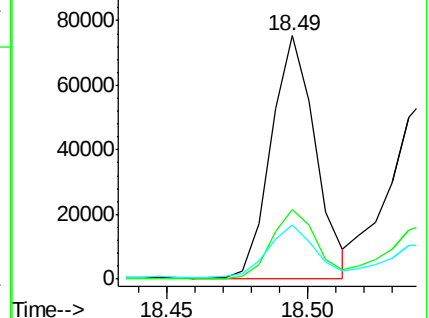
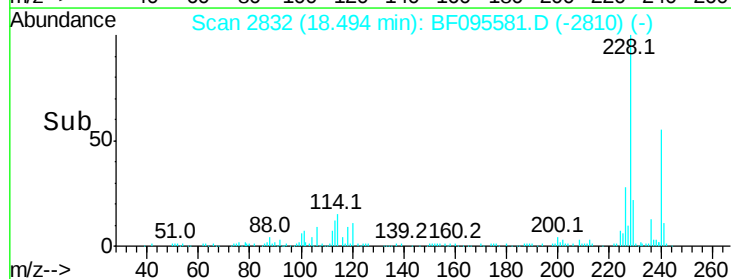
229 22.5 16.3 24.5

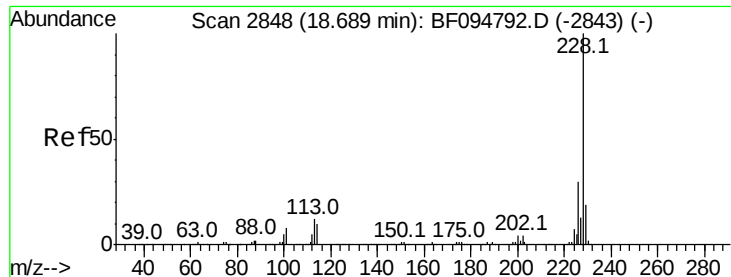


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.46 ng

RT: 18.54 min Scan# 2840

Delta R.T. -0.17 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

Instrument :

BNA_F

ClientSampleId :

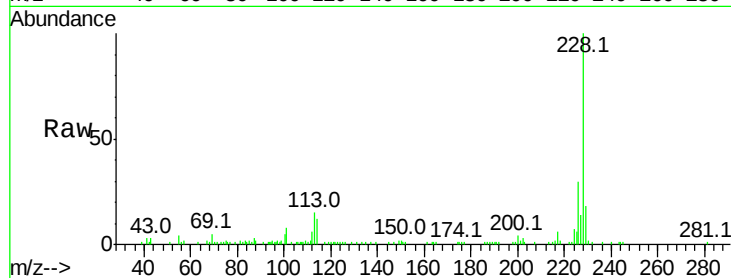
Tot Ion:228 Resp: 80053

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

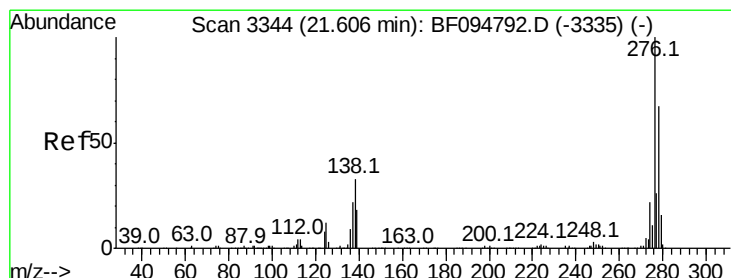
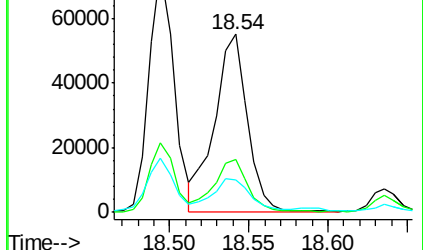
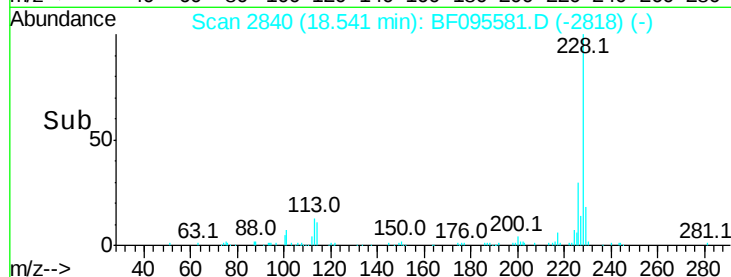
229 18.4 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.84 ng

RT: 21.44 min Scan# 3332

Delta R.T. -0.25 min

Lab File: BF095581.D

Acq: 1 Jun 2017 00:25

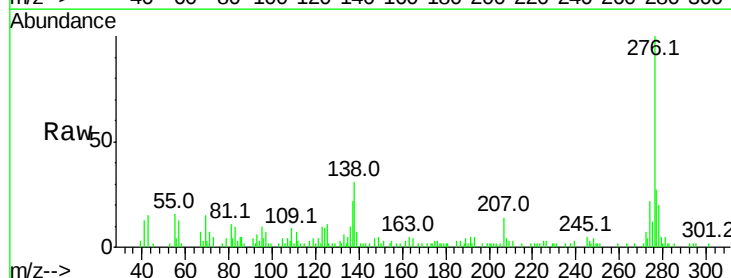
Tgt Ion:276 Resp: 37184

Ion Ratio Lower Upper

276 100

138 38.7 27.8 41.6

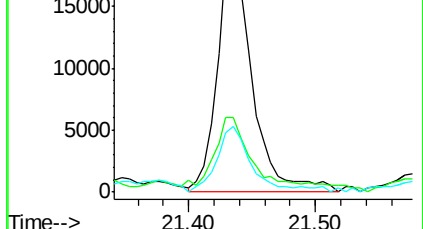
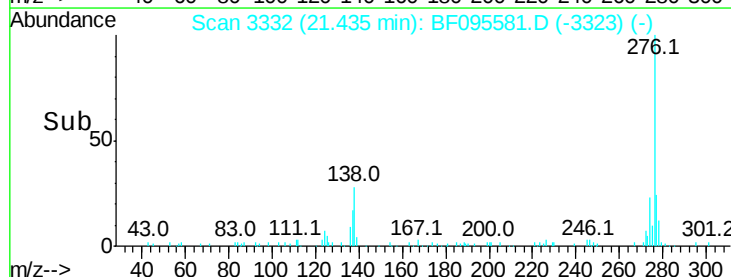
277 26.2 20.2 30.4

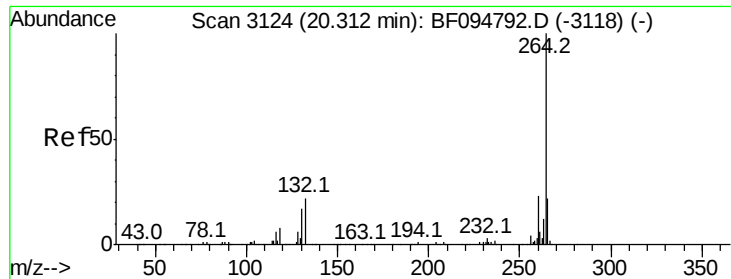


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

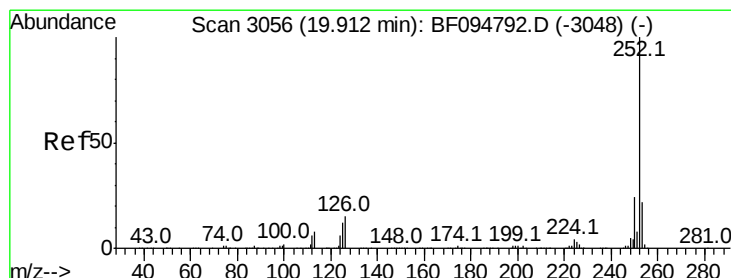
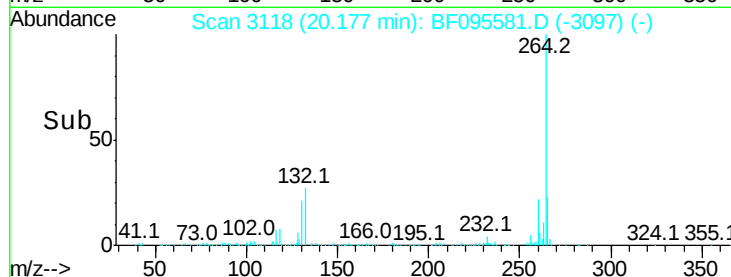
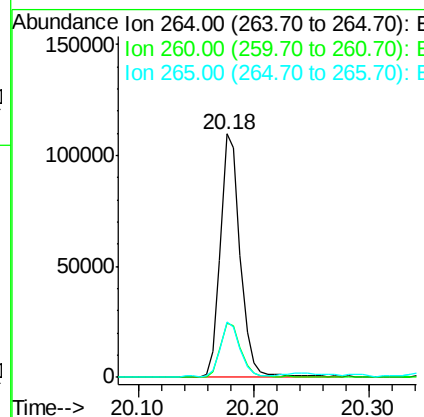
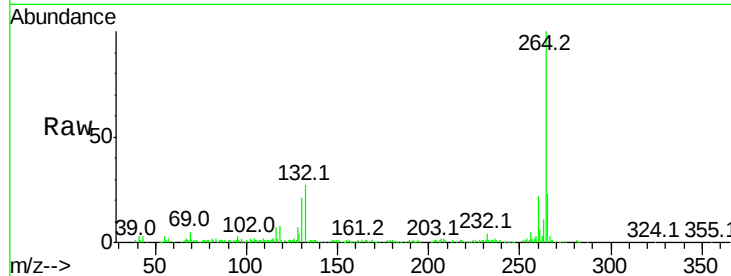




#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.18 min Scan# 3118
Delta R.T. -0.18 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

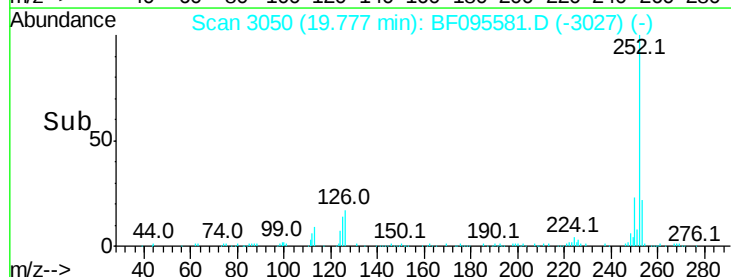
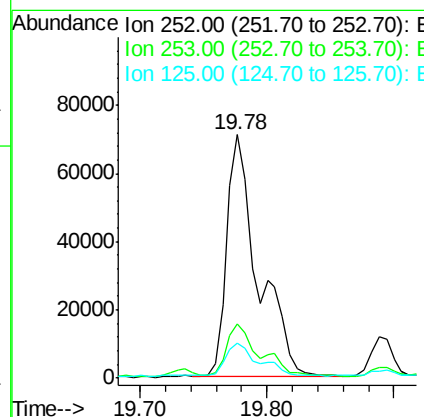
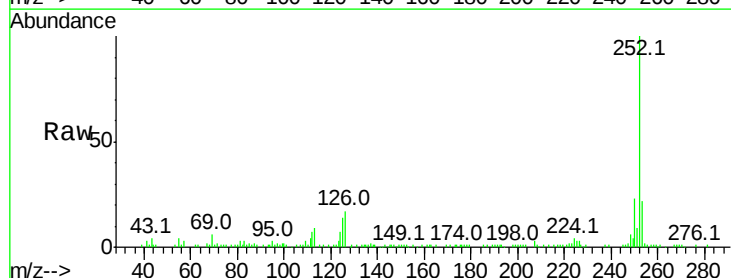
Instrument :
BNA_F
ClientSampled :

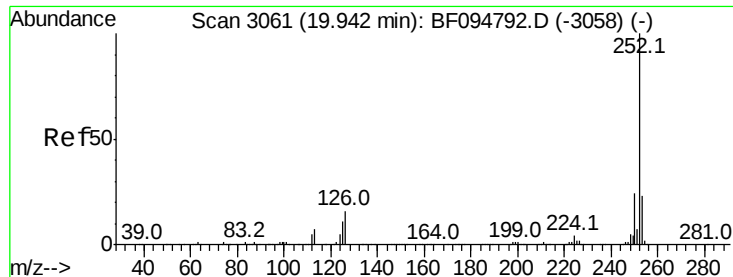
Tot Ion:264 Resp: 131249
Ion Ratio Lower Upper
264 100
260 22.4 19.5 29.3
265 22.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 15.02 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.16 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

Tgt Ion:252 Resp: 121815
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 14.5 9.8 14.8

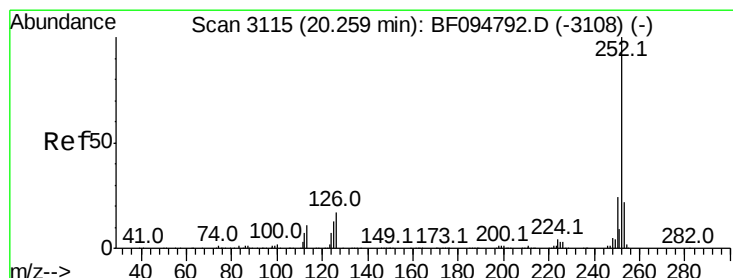
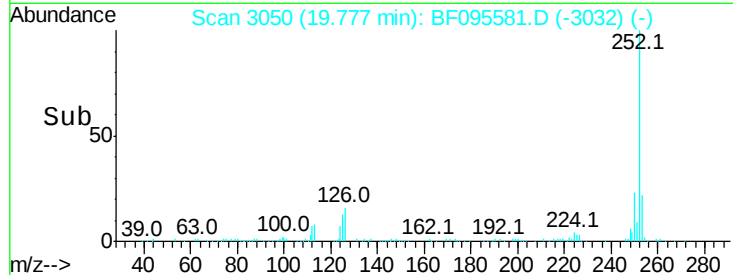
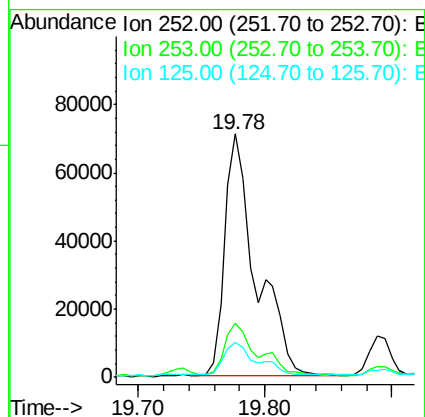
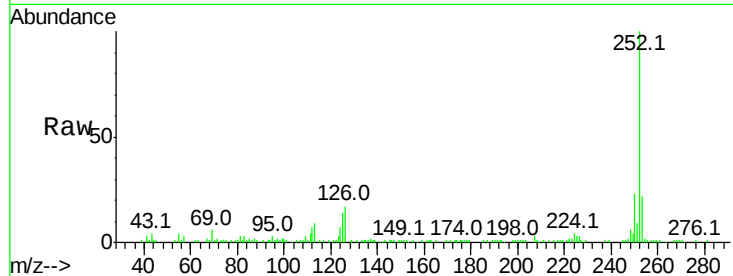




#88
Benzo(k)fluoranthene
Concen: 15.57 ng
RT: 19.78 min Scan# 3050
Delta R.T. -0.19 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

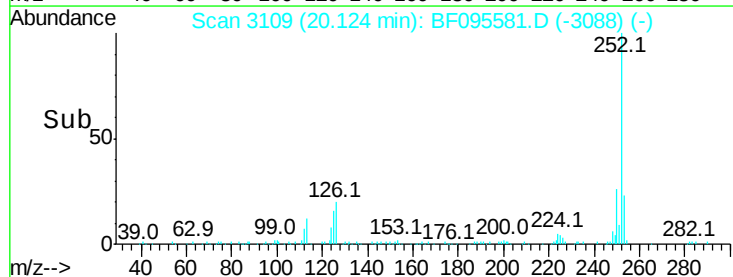
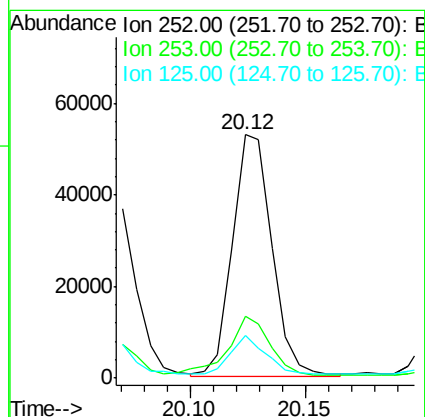
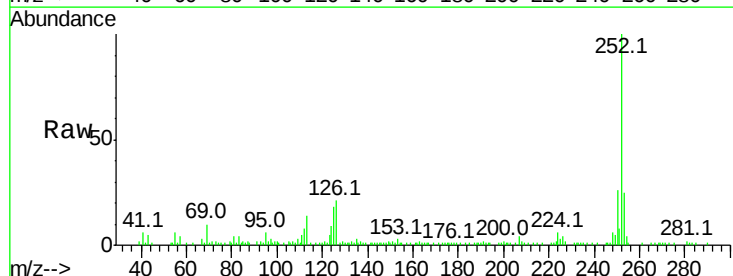
Instrument :
BNA_F
ClientSampleId :

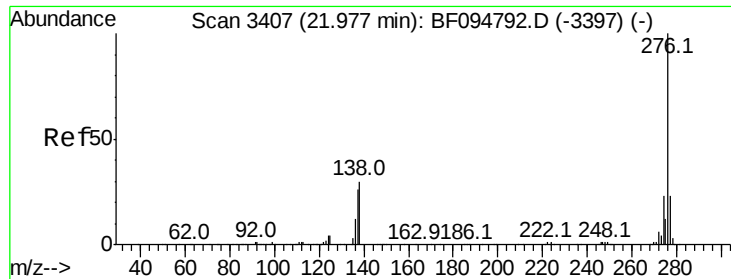
Tot Ion:252 Resp: 121815
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 14.5 13.1 19.7



#89
Benzo(a)pyrene
Concen: 8.43 ng
RT: 20.12 min Scan# 3109
Delta R.T. -0.18 min
Lab File: BF095581.D
Acq: 1 Jun 2017 00:25

Tgt Ion:252 Resp: 63052
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 17.7 11.0 16.4#

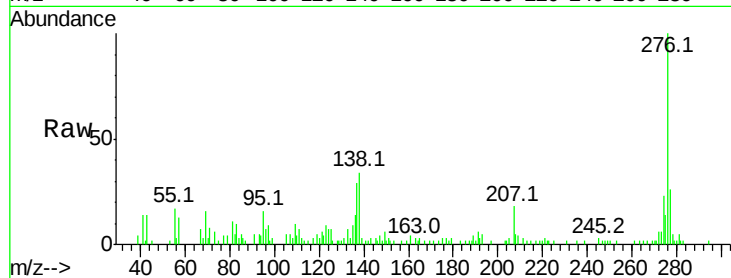




#91
 Benzo(a,h,i)perylene
 Concen: 5.83 ng
 RT: 21.79 min Scan# 3393
 Delta R.T. -0.28 min
 Lab File: BF095581.D
 Acq: 1 Jun 2017 00:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.6	28.0
138	34.4	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

