

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053017\
 Data File : BF095533.D
 Acq On : 30 May 2017 13:59
 Operator : SJ/MA
 Sample : I3281-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 01:38:47 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

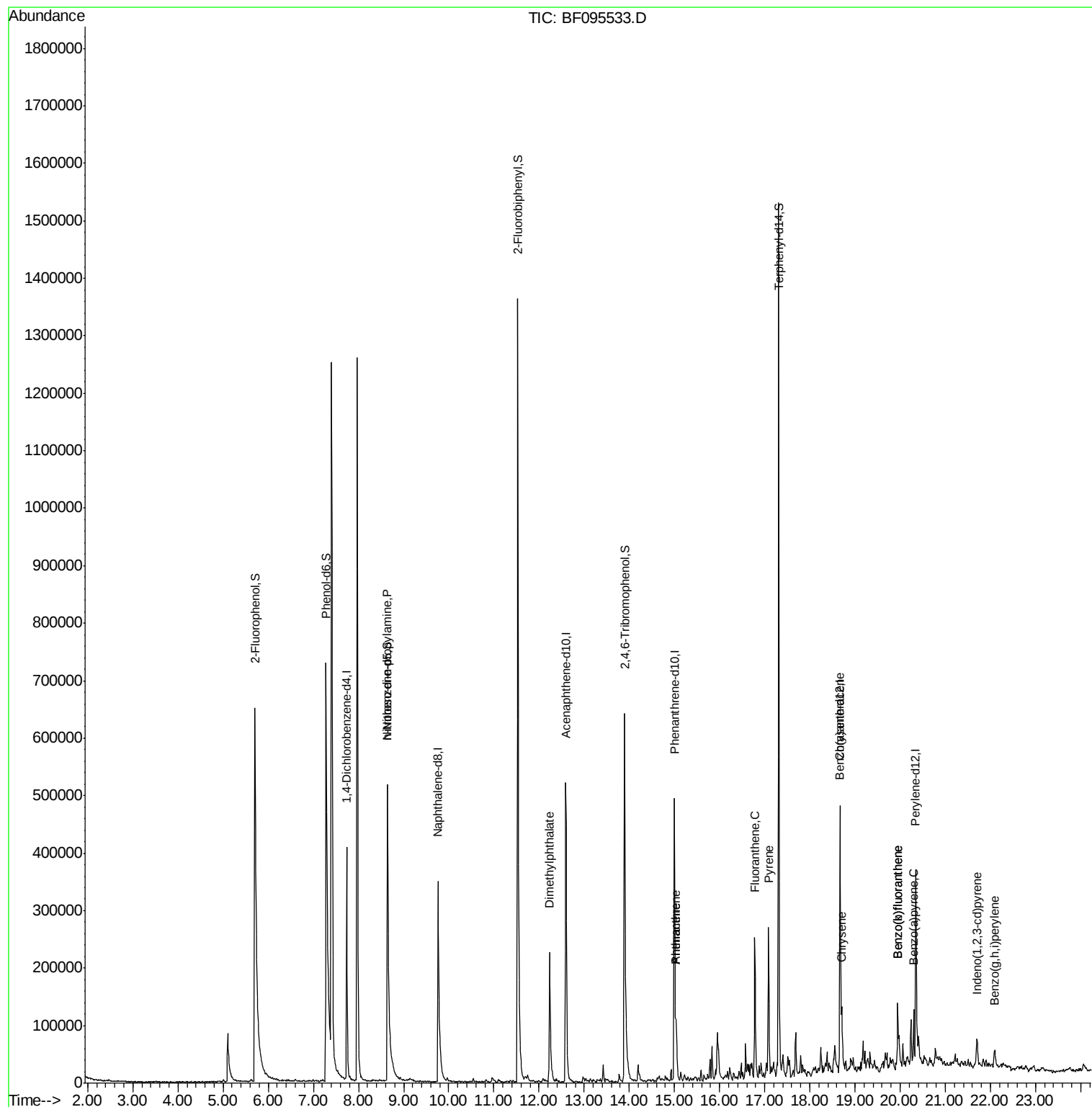
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	94117	20.00	ng	0.00
21) Naphthalene-d8	9.77	136	391916	20.00	ng	0.00
38) Acenaphthene-d10	12.60	164	190612	20.00	ng	0.00
63) Phenanthrene-d10	15.00	188	333390	20.00	ng	0.00
75) Chrysene-d12	18.67	240	193355	20.00	ng	0.00
86) Perylene-d12	20.35	264	163744	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.71	112	620884	109.98	ng	0.00
7) Phenol-d6	7.28	99	768322	113.43	ng	-0.01
23) Nitrobenzene-d5	8.64	82	452846	72.86	ng	-0.01
41) 2,4,6-Tribromophenol	13.89	330	160405	102.75	ng	0.00
44) 2-Fluorobiphenyl	11.53	172	829835	62.66	ng	0.00
78) Terphenyl-d14	17.31	244	581252	66.21	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.64	70	50220	10.96	ng	Qvalue # 78
49) Dimethylphthalate	12.24	163	202734	12.96	ng	99
70) Phenanthrene	15.04	178	70851	3.70	ng	98
71) Anthracene	15.04	178	70851	3.62	ng	99
74) Fluoranthene	16.78	202	142394	7.25	ng	97
77) Pyrene	17.08	202	117304	8.11	ng	99
80) Benzo(a)anthracene	18.66	228	57150	5.08	ng	95
82) Chrysene	18.71	228	62512	5.75	ng	97
85) Indeno(1,2,3-cd)pyrene	21.70	276	25188	2.85	ng	94
87) Benzo(b)fluoranthene	19.95	252	81988	8.10	ng	# 92
88) Benzo(k)fluoranthene	19.95	252	81988	8.40	ng	97
89) Benzo(a)pyrene	20.30	252	41594	4.46	ng	94
91) Benzo(a,h,i)perylene	22.09	276	24771	3.27	ng	98

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

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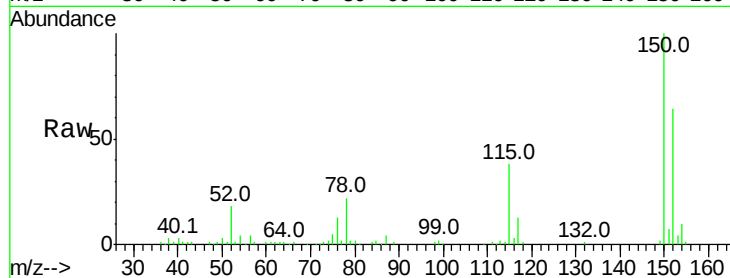


#1

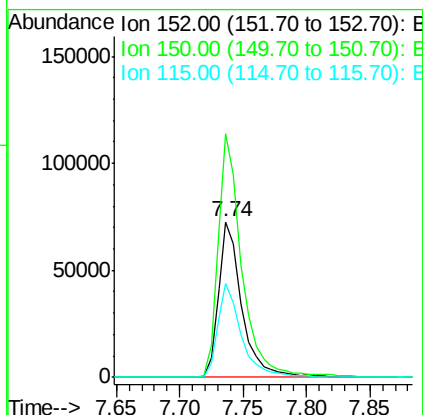
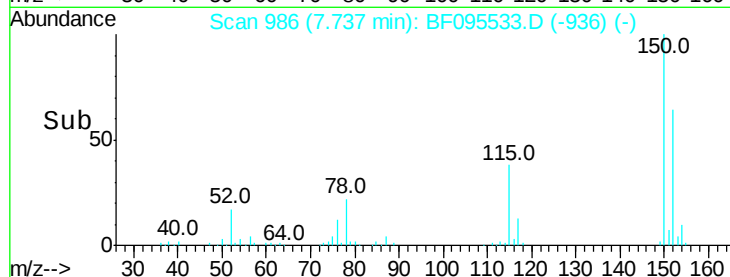
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.74 min Scan# 986
Delta R.T. -0.01 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 94117
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 60.0 52.2 78.2



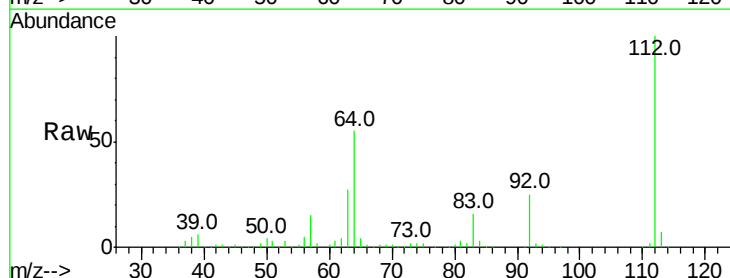
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



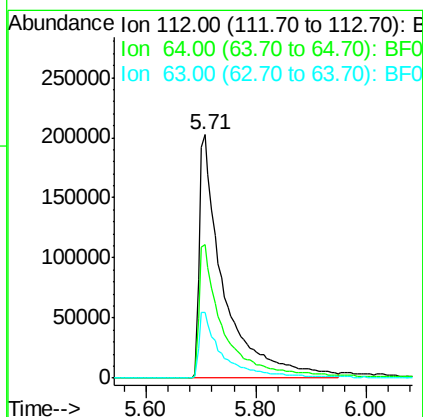
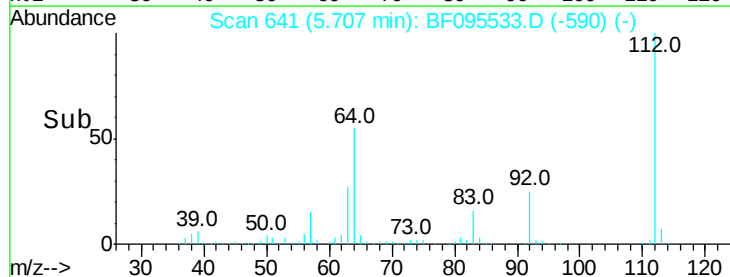
#5

2-Fluorophenol
Concen: 109.98 ng
RT: 5.71 min Scan# 641
Delta R.T. 0.00 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

Tgt Ion:112 Resp: 620884
Ion Ratio Lower Upper
112 100
64 54.7 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: 113.43 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

Instrument :

BNA_F

ClientSampled :

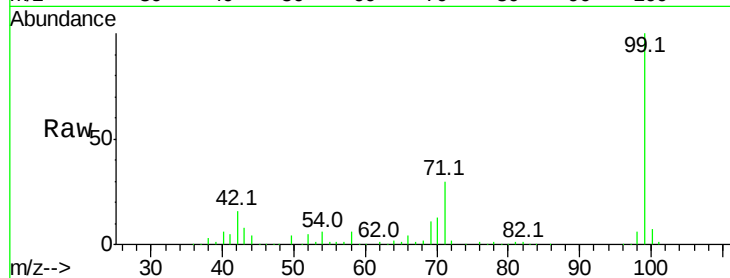
Tot Ion: 99 Resp: 768322

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

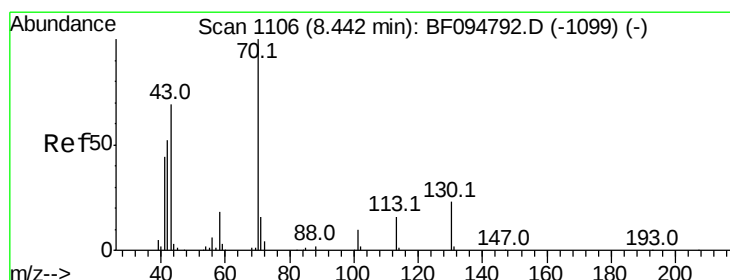
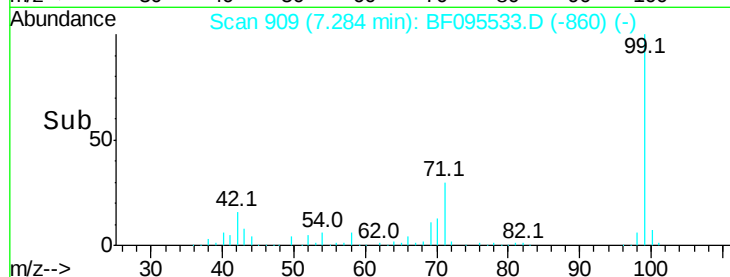
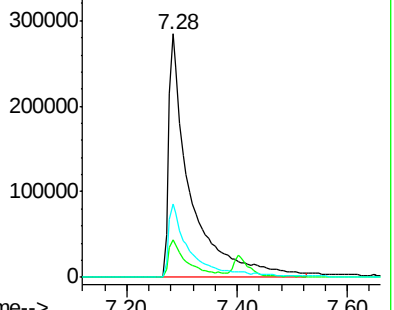
71 30.1 24.5 36.7



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: 10.96 ng

RT: 8.64 min Scan# 1140

Delta R.T. 0.18 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

Tgt Ion: 70 Resp: 50220

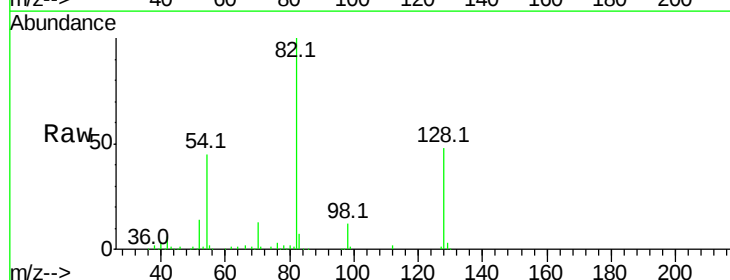
Ion Ratio Lower Upper

70 100

42 46.5 47.2 70.8#

101 0.0 7.2 10.8#

130 3.9 15.9 23.9#

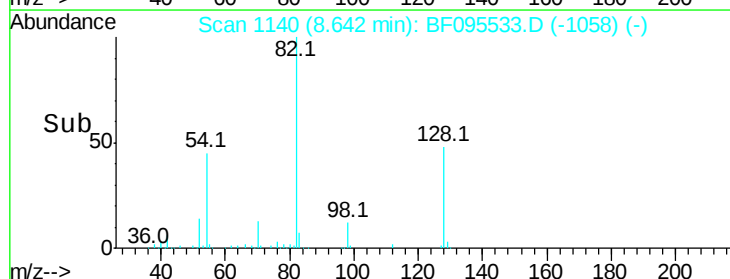
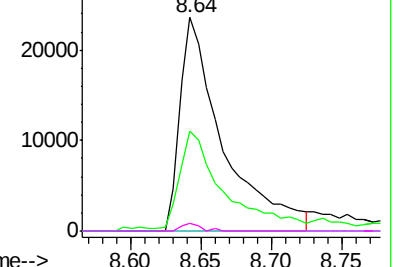


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF095533.D

Acq: 30 May 2017 13:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 391916

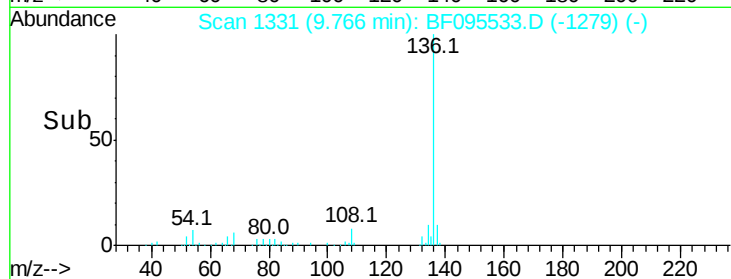
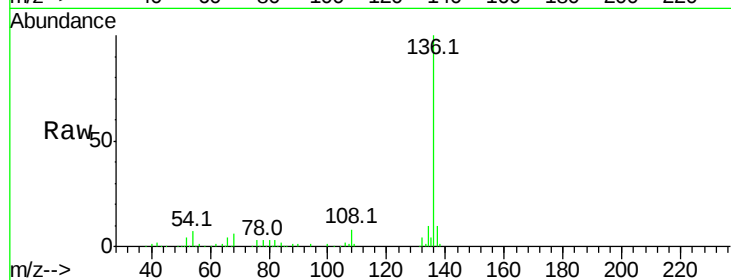
Ion Ratio Lower Upper

136 100

137 10.2 8.5 12.7

54 6.7 4.9 7.3

68 5.9 4.1 6.1

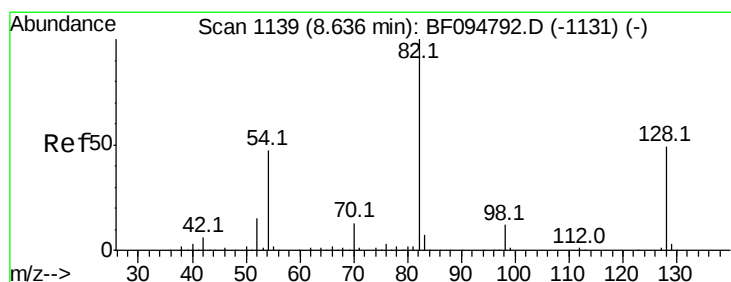
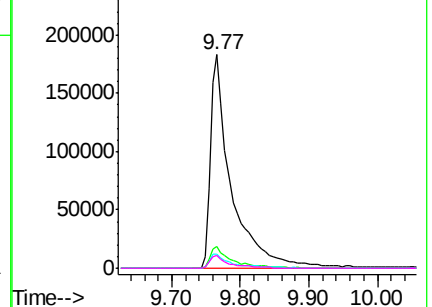


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.86 ng

RT: 8.64 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

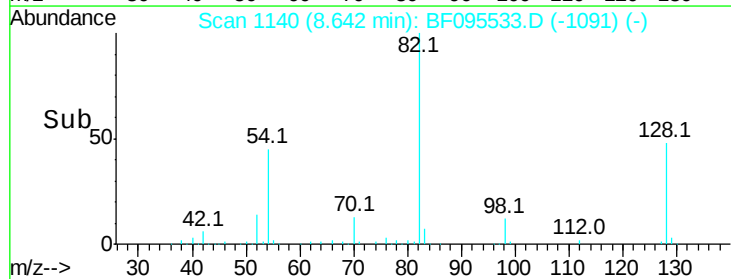
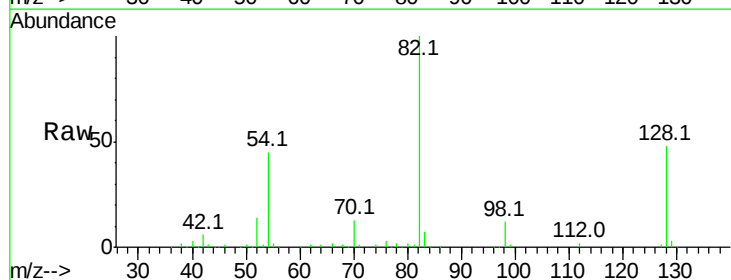
Tgt Ion: 82 Resp: 452846

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

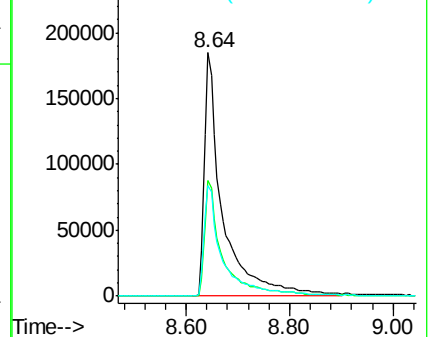
54 45.2 42.2 63.2

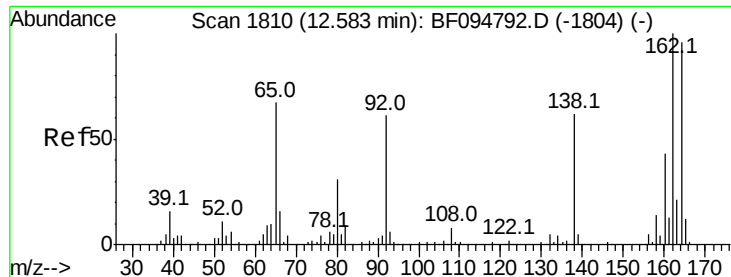


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 12.60 min Scan# 1812

Delta R.T. 0.00 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

Instrument :

BNA_F

ClientSampleId :

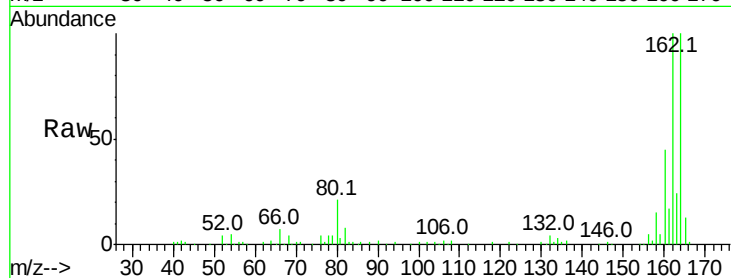
Tot Ion:164 Resp: 190612

Ion Ratio Lower Upper

164 100

162 99.7 82.6 123.8

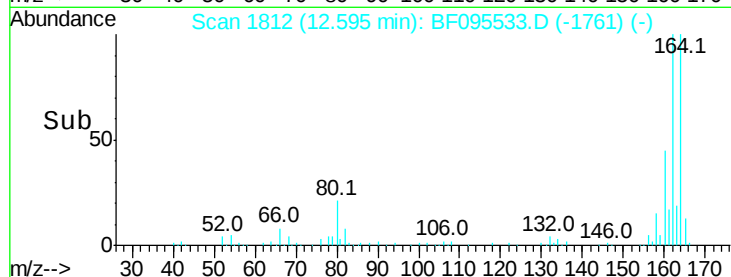
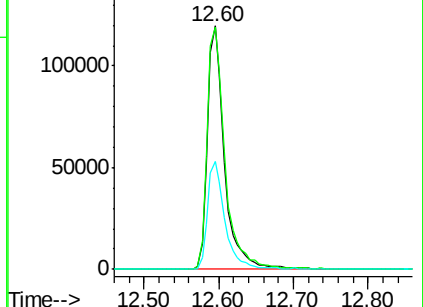
160 44.6 36.2 54.2



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: 102.75 ng

RT: 13.89 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

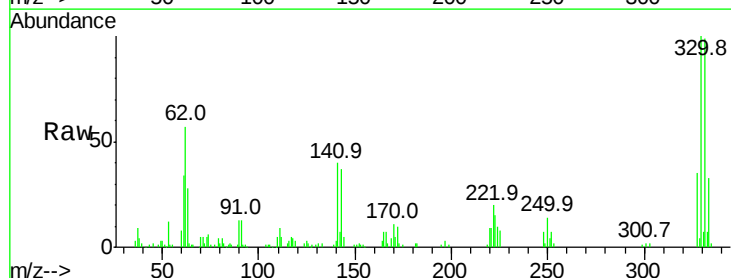
Tgt Ion:330 Resp: 160405

Ion Ratio Lower Upper

330 100

332 95.7 76.6 115.0

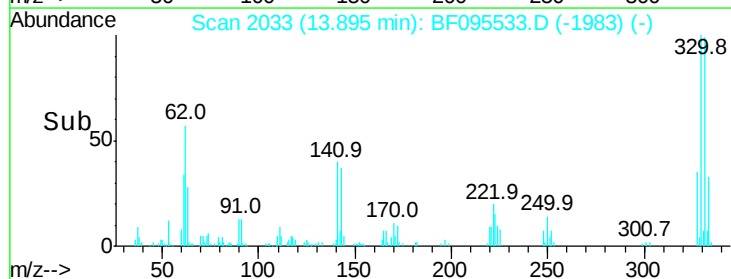
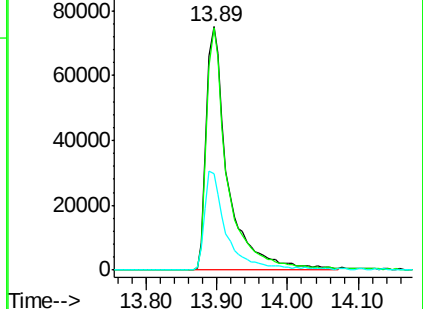
141 40.1 31.4 47.2



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

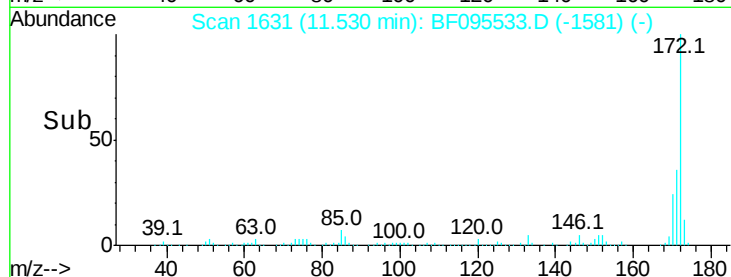
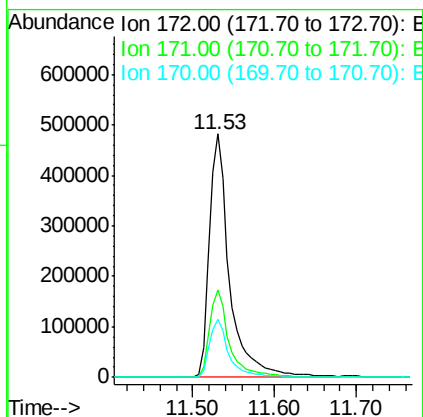
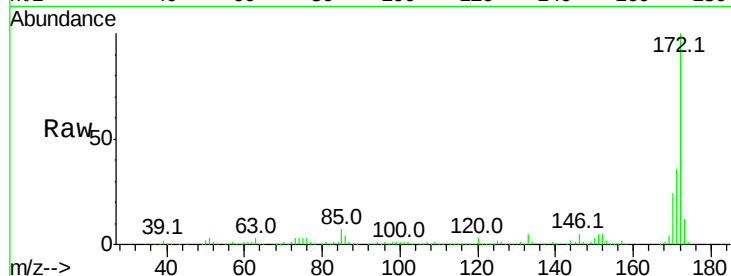




#44
2-Fluorobiphenyl
Concen: 62.66 ng
RT: 11.53 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

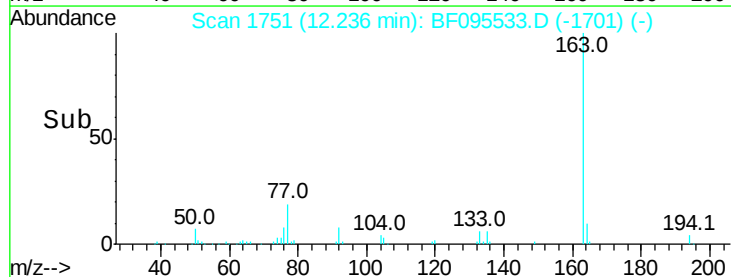
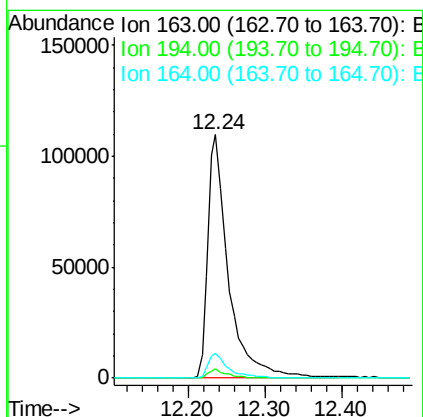
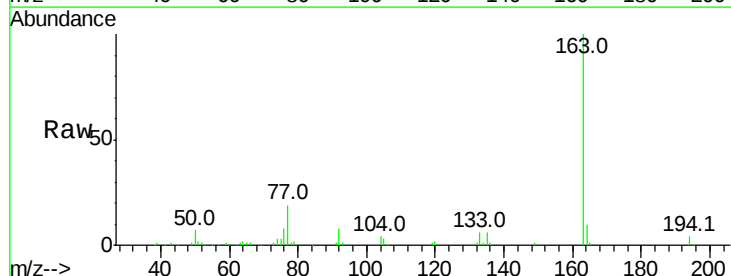
Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 829835
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.9 19.8 29.8



#49
Dimethylphthalate
Concen: 12.96 ng
RT: 12.24 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

Tgt Ion:163 Resp: 202734
Ion Ratio Lower Upper
163 100
194 3.7 2.6 4.0
164 10.1 8.4 12.6

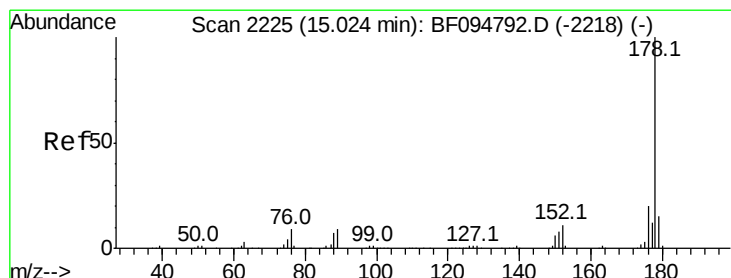
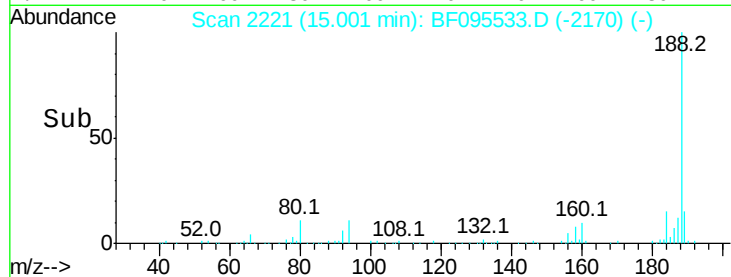
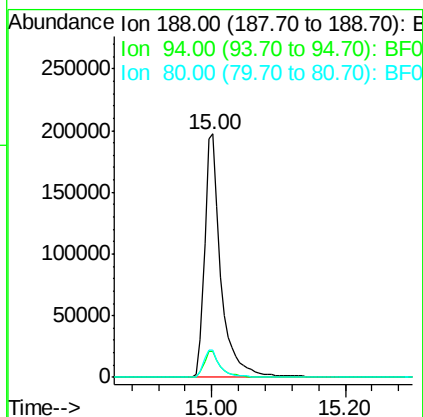
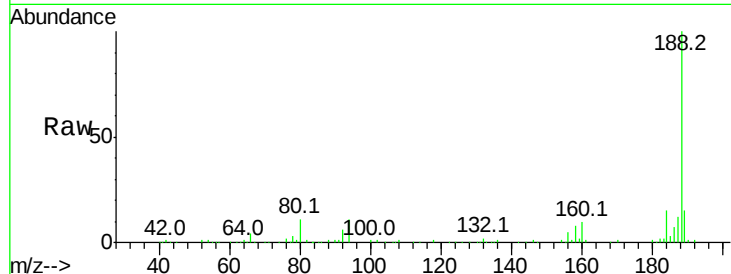




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 15.00 min Scan# 2221
 Delta R.T. 0.00 min
 Lab File: BF095533.D
 Acq: 30 May 2017 13:59

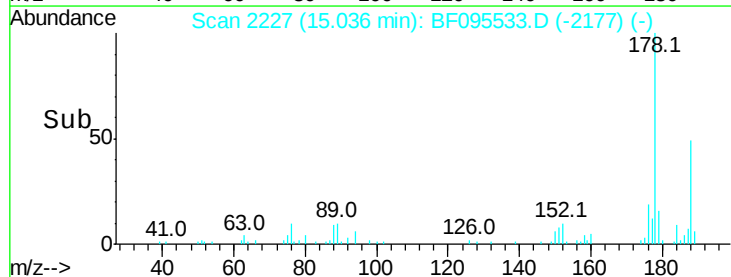
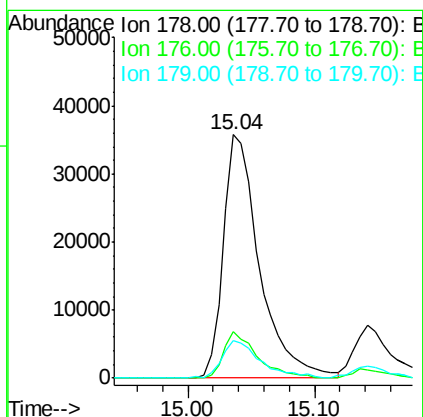
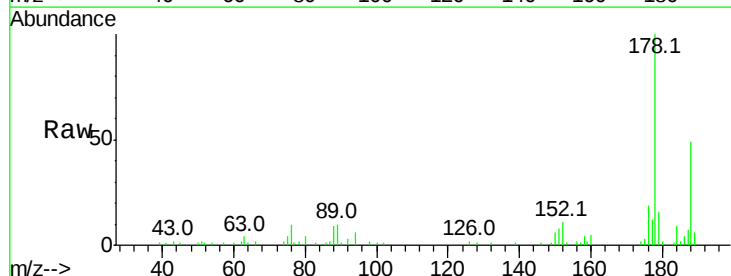
Instrument :
 BNA_F
 ClientSampleId :

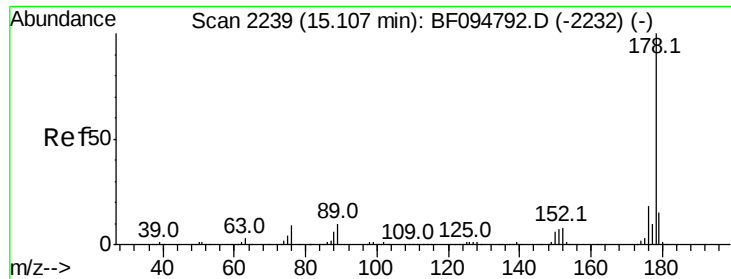
Tot Ion:188 Resp: 333390
 Ion Ratio Lower Upper
 188 100
 94 10.6 9.4 14.2
 80 11.1 10.2 15.2



#70
 Phenanthrene
 Concen: 3.70 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BF095533.D
 Acq: 30 May 2017 13:59

Tgt Ion:178 Resp: 70851
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.6 12.6 19.0

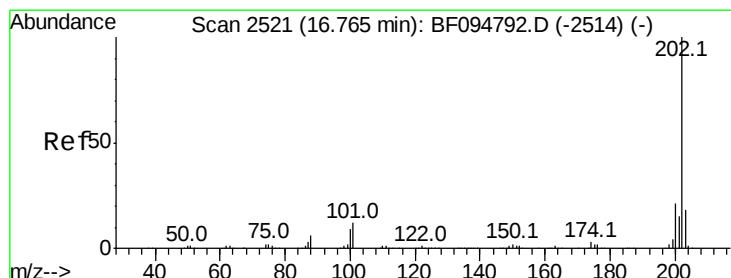
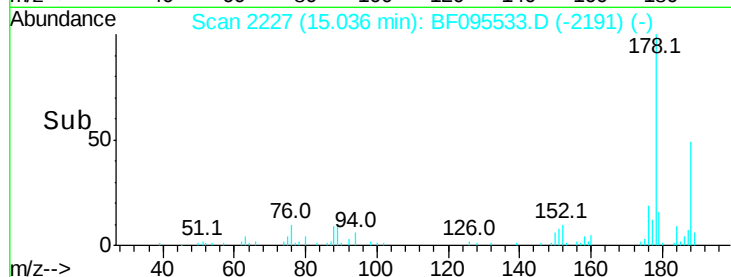
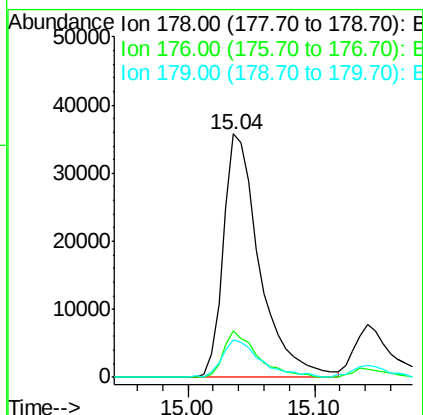
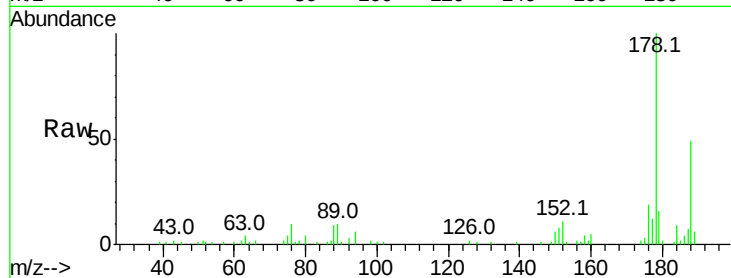




#71
 Anthracene
 Concen: 3.62 ng
 RT: 15.04 min Scan# 2227
 Delta R.T. -0.09 min
 Lab File: BF095533.D
 Acq: 30 May 2017 13:59

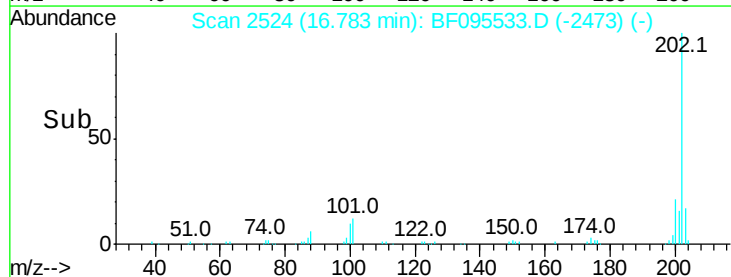
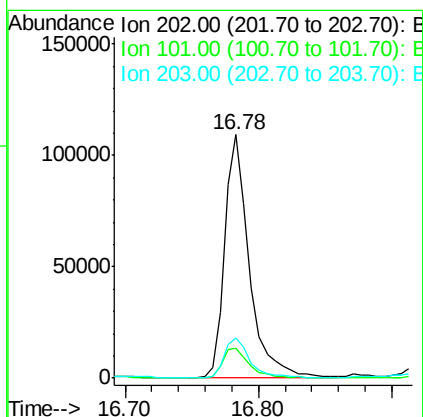
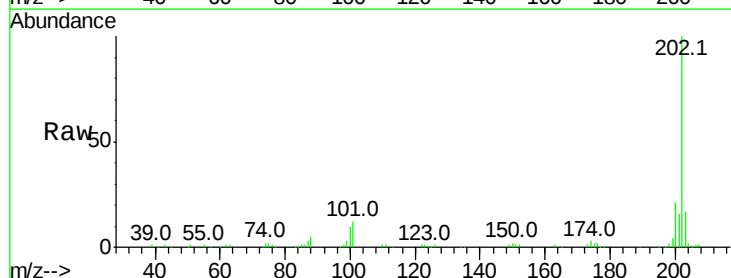
Instrument :
 BNA_F
 ClientSampled :

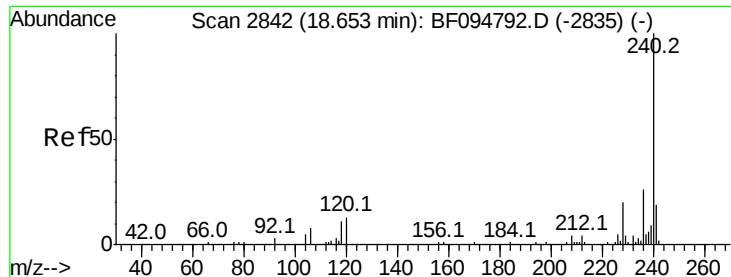
Tot Ion:178 Resp: 70851
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 15.6 12.7 19.1



#74
 Fluoranthene
 Concen: 7.25 ng
 RT: 16.78 min Scan# 2524
 Delta R.T. 0.00 min
 Lab File: BF095533.D
 Acq: 30 May 2017 13:59

Tgt Ion:202 Resp: 142394
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 33.2
 203 16.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.67 min Scan# 2845

Delta R.T. -0.01 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

Instrument :

BNA_F

ClientSampleId :

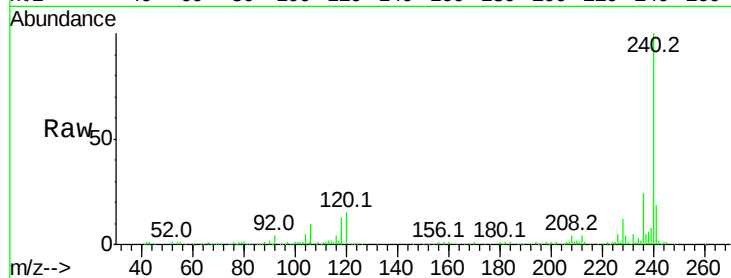
Tot Ion:240 Resp: 193355

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

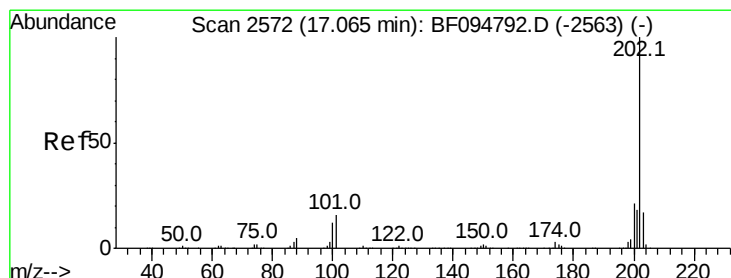
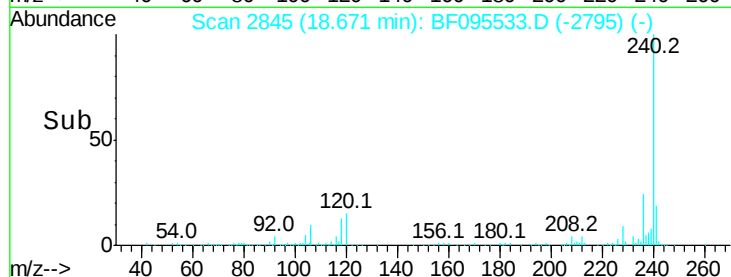
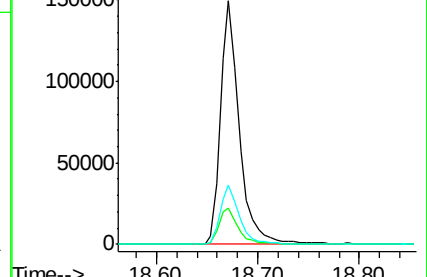
236 24.3 20.5 30.7



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: 8.11 ng

RT: 17.08 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

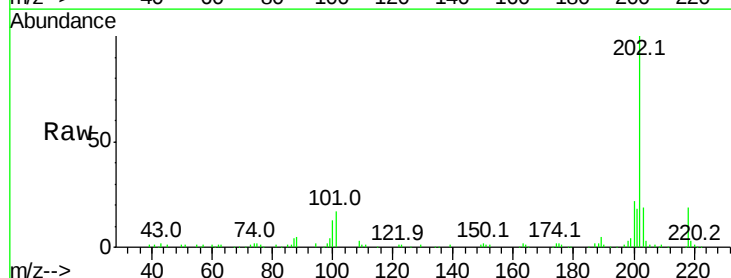
Tgt Ion:202 Resp: 117304

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

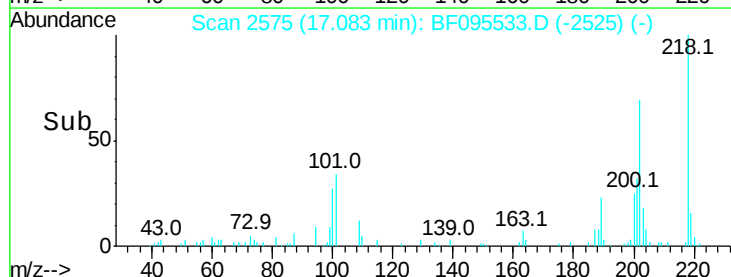
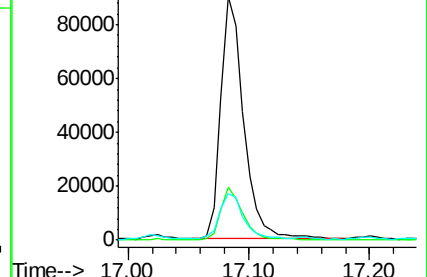
203 18.9 14.4 21.6



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

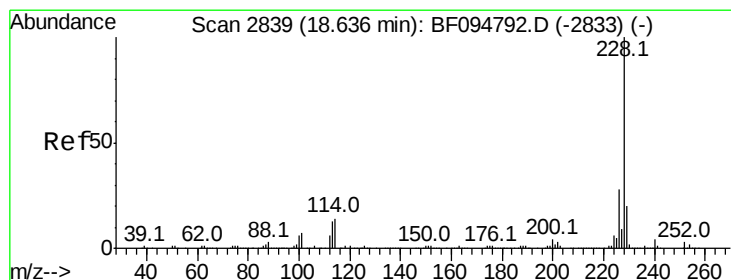
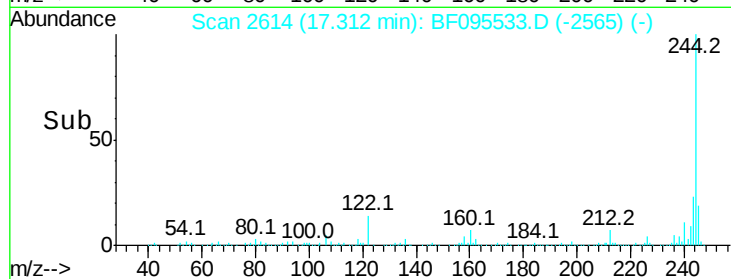
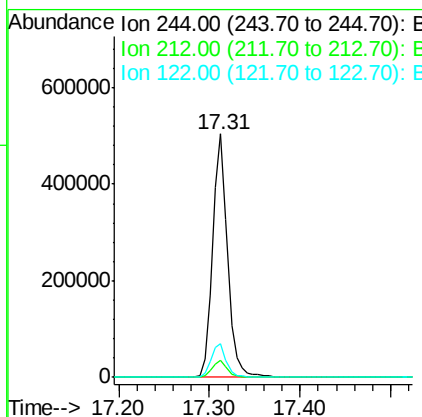
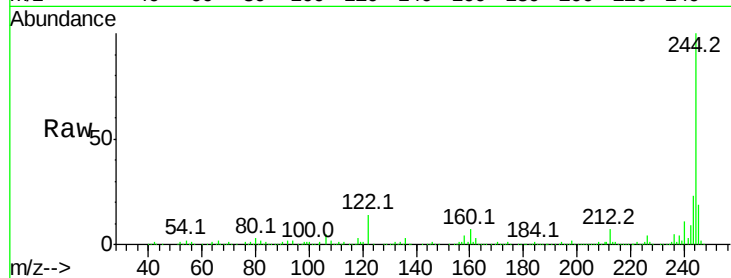




#78
 Terphenyl-d14
 Concen: 66.21 ng
 RT: 17.31 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BF095533.D
 Acq: 30 May 2017 13:59

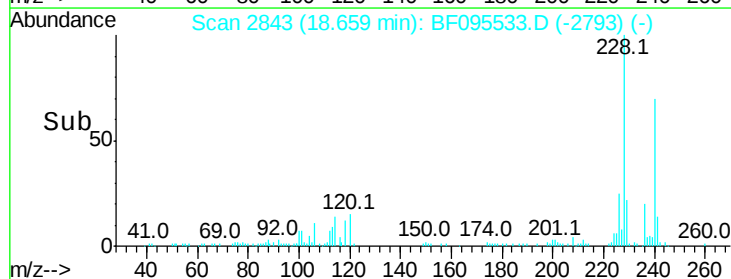
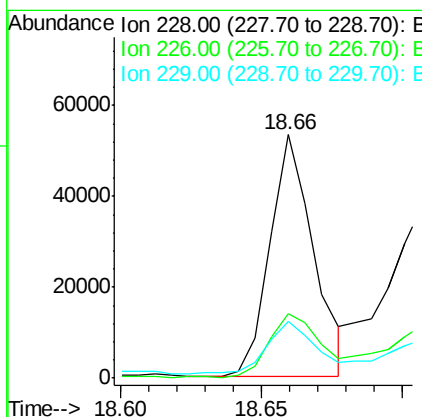
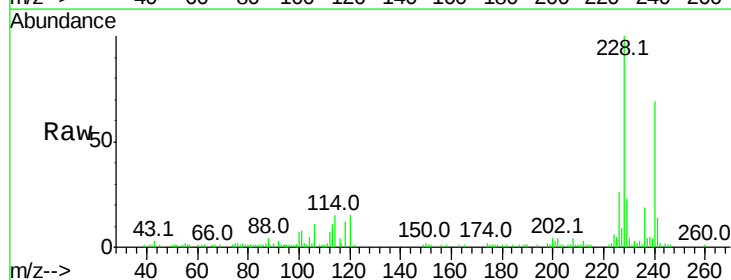
Instrument :
 BNA_F
 ClientSampleId :

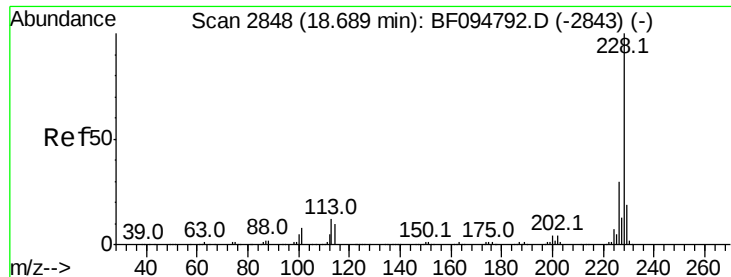
Tot Ion:244 Resp: 581252
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 14.0 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 5.08 ng
 RT: 18.66 min Scan# 2843
 Delta R.T. -0.01 min
 Lab File: BF095533.D
 Acq: 30 May 2017 13:59

Tgt Ion:228 Resp: 57150
 Ion Ratio Lower Upper
 228 100
 226 26.2 22.6 33.8
 229 23.1 16.3 24.5

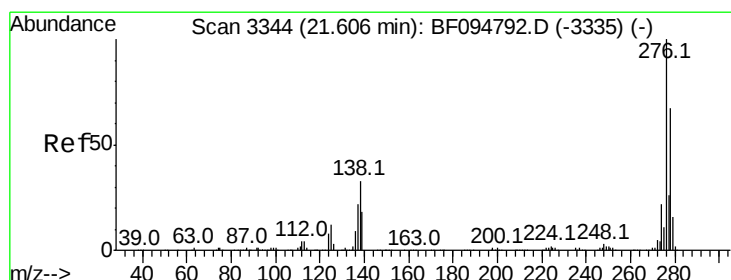
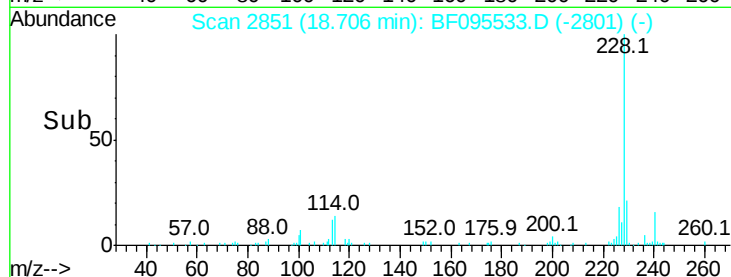
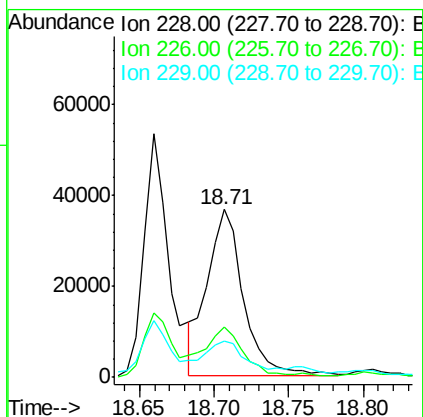
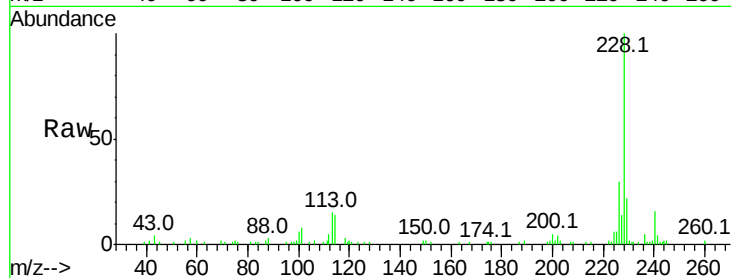




#82
Chrysene
Concen: 5.75 ng
RT: 18.71 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

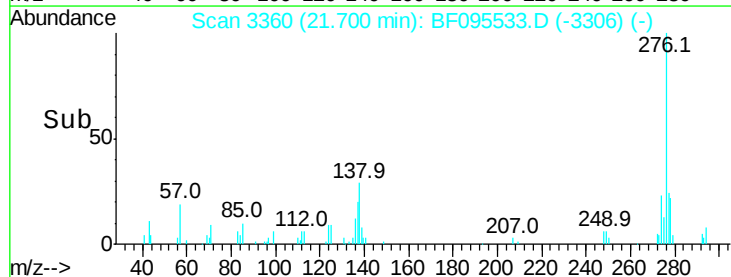
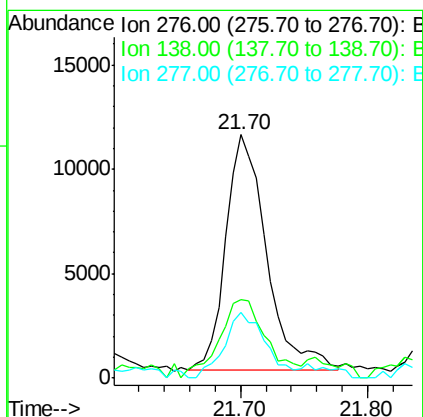
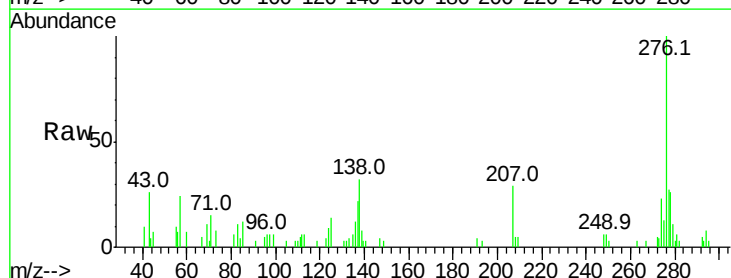
Instrument :
BNA_F
ClientSampleId :

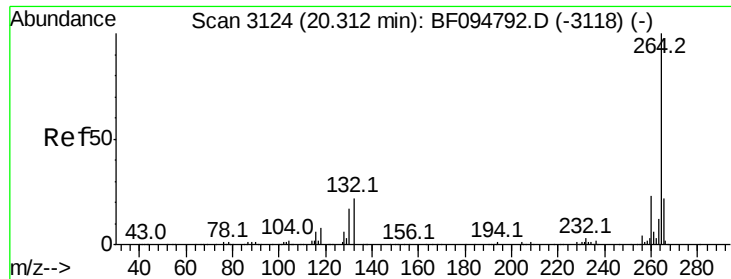
Tot Ion:228 Resp: 62512
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 21.8 15.8 23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.85 ng
RT: 21.70 min Scan# 3360
Delta R.T. 0.02 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

Tgt Ion:276 Resp: 25188
Ion Ratio Lower Upper
276 100
138 38.8 27.8 41.6
277 27.9 20.2 30.4



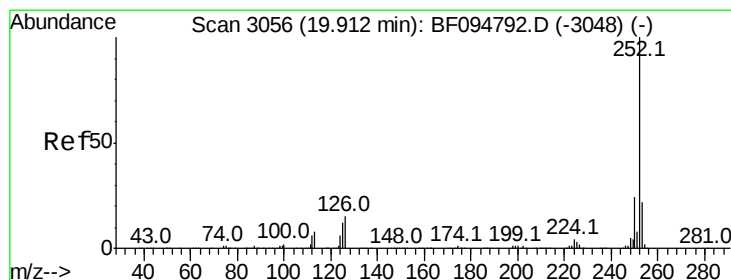
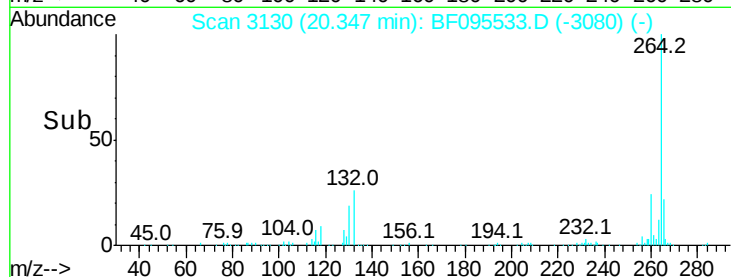
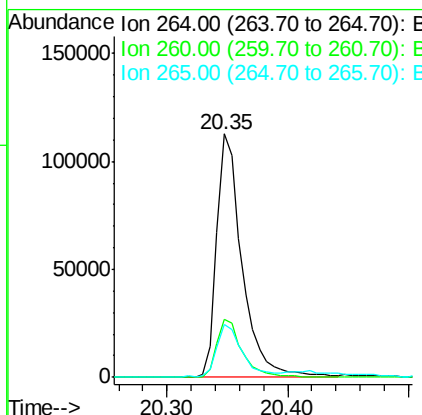
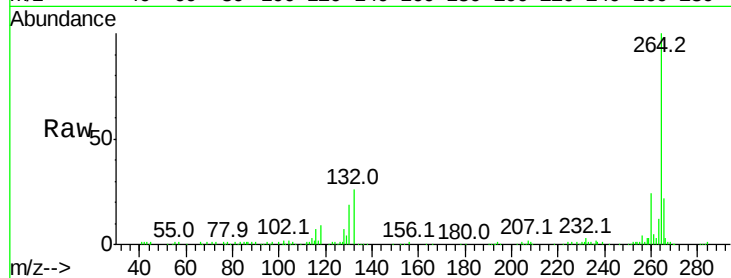


#86
Pervlene-d12
Concen: 20.00 ng
RT: 20.35 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 163744

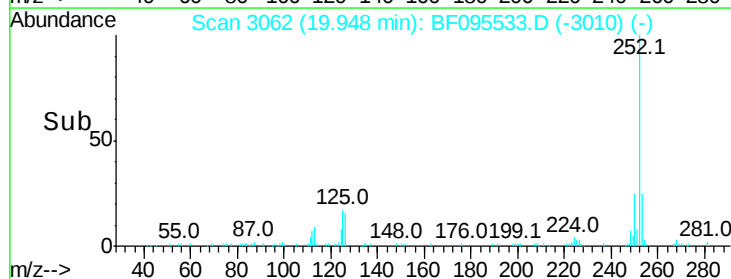
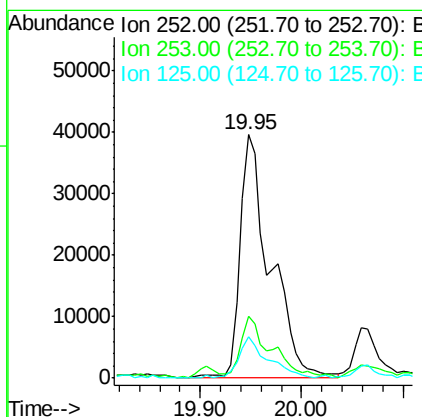
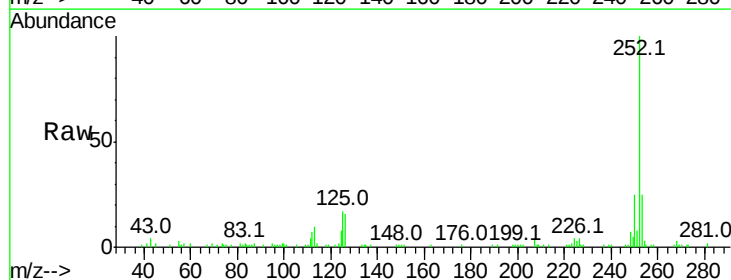
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.9	17.2	25.8

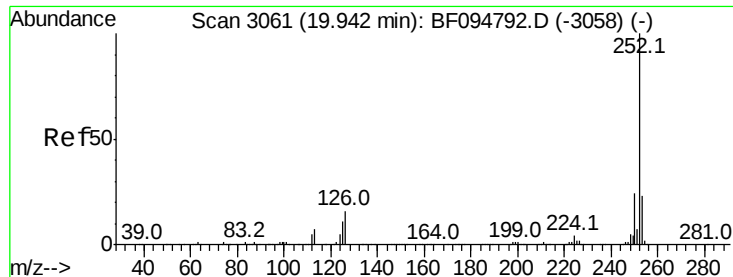


#87
Benzo(b)fluoranthene
Concen: 8.10 ng
RT: 19.95 min Scan# 3062
Delta R.T. 0.01 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

Tgt Ion:252 Resp: 81988

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	16.9	9.8	14.8

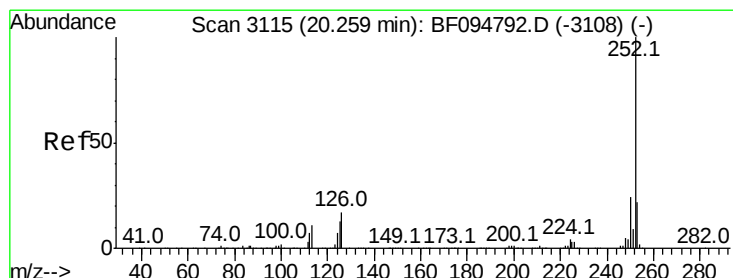
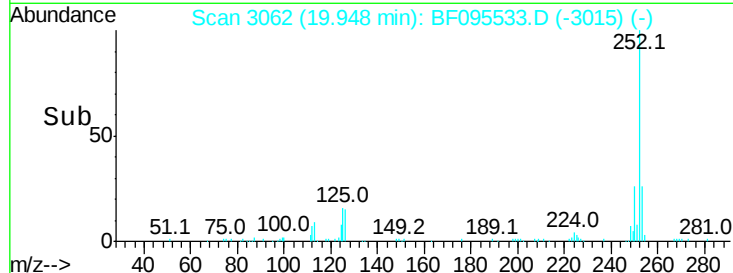
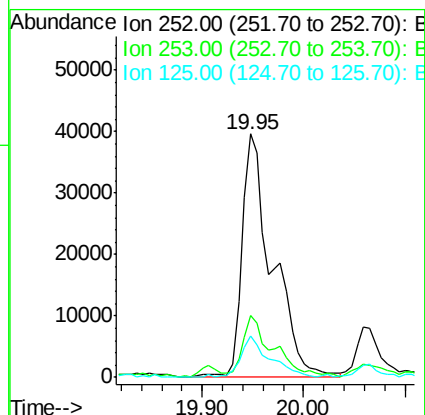
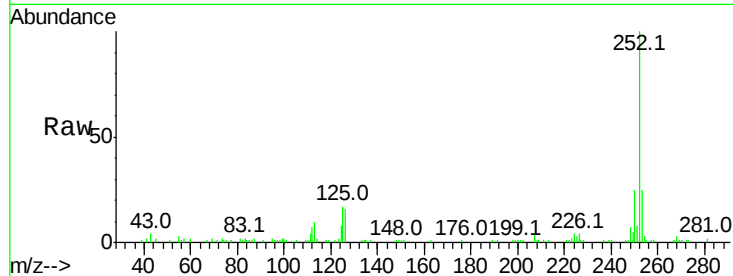




#88
Benzo(k)fluoranthene
Concen: 8.40 ng
RT: 19.95 min Scan# 3062
Delta R.T. -0.02 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

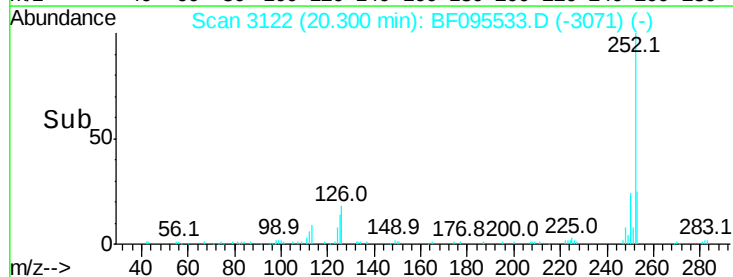
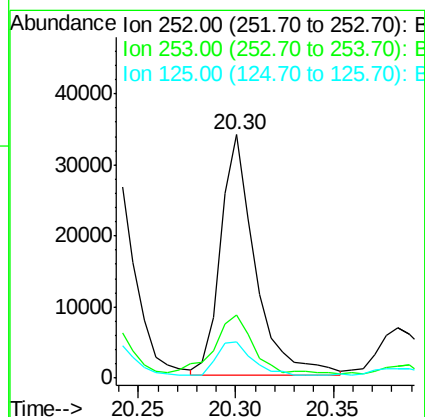
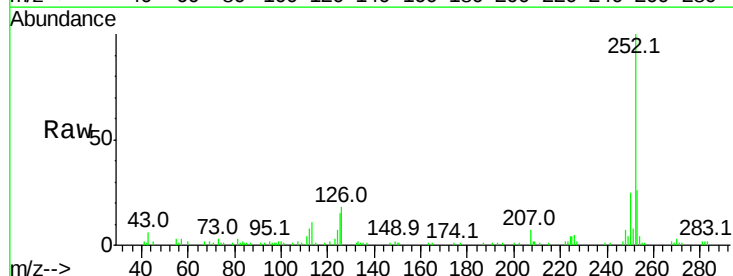
Instrument :
BNA_F
ClientSampleId :

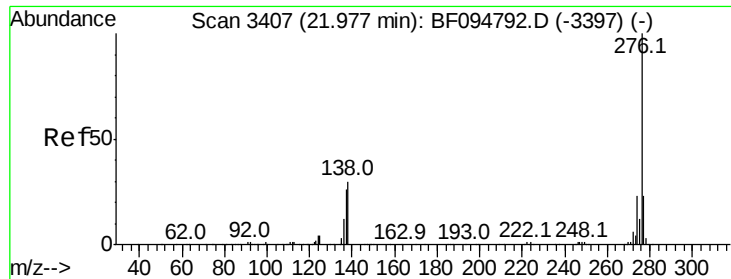
Tot Ion:252 Resp: 81988
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 16.9 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.46 ng
RT: 20.30 min Scan# 3122
Delta R.T. 0.00 min
Lab File: BF095533.D
Acq: 30 May 2017 13:59

Tgt Ion:252 Resp: 41594
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 14.6 11.0 16.4





#91

Benzo(a,h,i)perylene

Concen: 3.27 ng

RT: 22.09 min Scan# 3427

Delta R.T. 0.02 min

Lab File: BF095533.D

Acq: 30 May 2017 13:59

Instrument :

BNA_F

ClientSampleId :

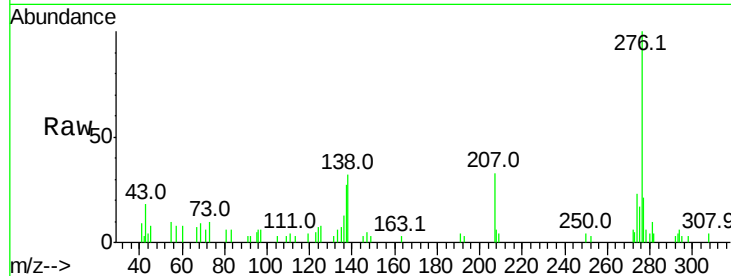
Tot Ion: 276 Resp: 24771

Ion Ratio Lower Upper

276 100

277 20.8 18.6 28.0

138 31.6 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

