

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062217\
 Data File : BF096127.D
 Acq On : 22 Jun 2017 17:54
 Operator : SJ/MA
 Sample : I3775-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 23 01:16:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 20 16:05:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.27	152	71356	20.00	ng	-0.02
21) Naphthalene-d8	9.31	136	288933	20.00	ng	-0.02
38) Acenaphthene-d10	12.13	164	119144	20.00	ng	-0.02
63) Phenanthrene-d10	14.53	188	183058	20.00	ng	-0.01
75) Chrysene-d12	18.27	240	142822	20.00	ng	0.00
86) Perylene-d12	19.94	264	117896	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.17	112	535022	119.48	ng	-0.01
7) Phenol-d6	6.86	99	615225	114.76	ng	-0.02
23) Nitrobenzene-d5	8.20	82	345376	74.24	ng	-0.02
41) 2,4,6-Tribromophenol	13.43	330	96167	91.23	ng	-0.02
44) 2-Fluorobiphenyl	11.09	172	640096	74.76	ng	-0.02
78) Terphenyl-d14	16.92	244	385503	66.99	ng	-0.01

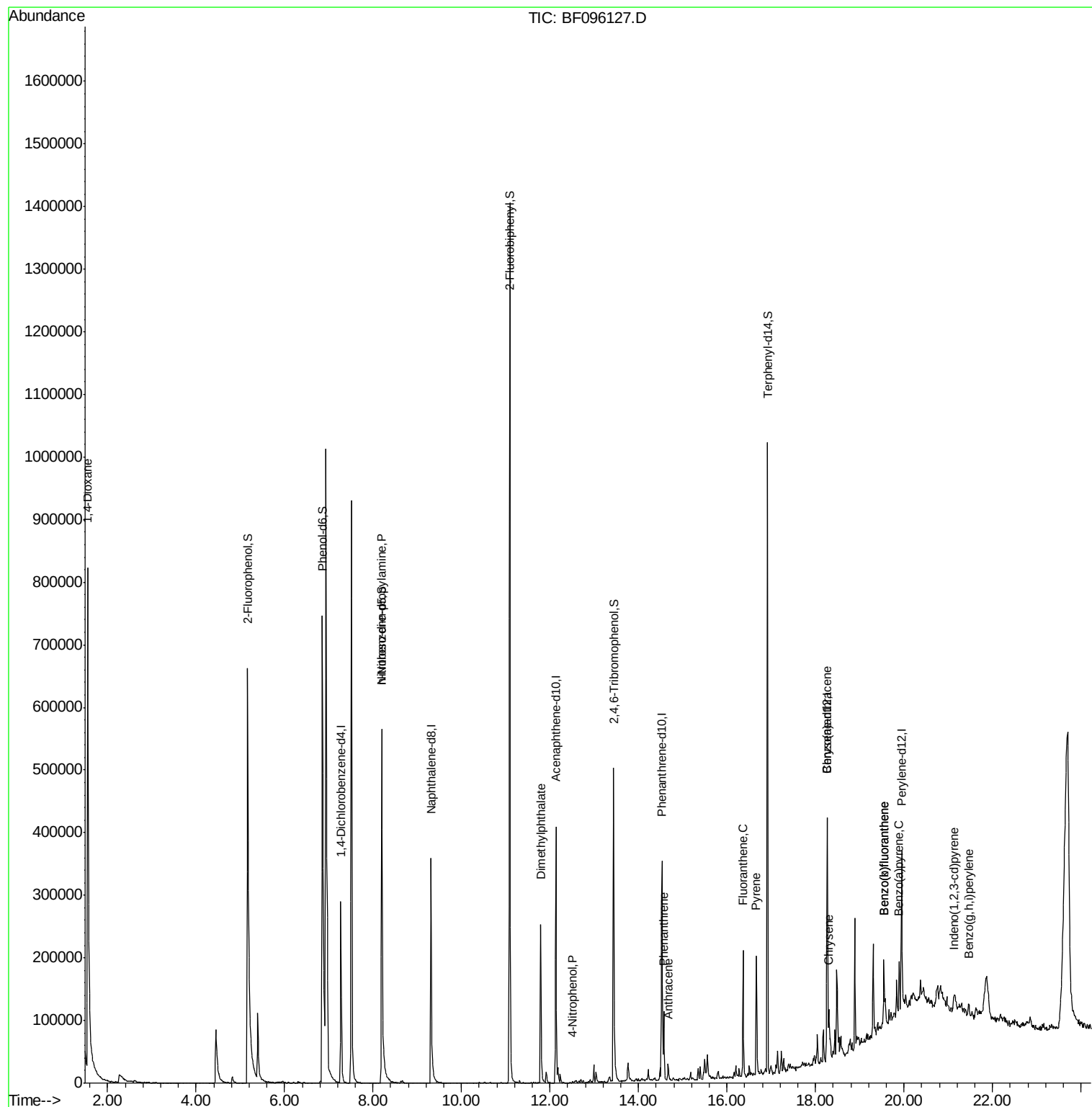
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.55	88	37404	17.56	ng	# 21
19) n-Nitroso-di-n-propylamine	8.20	70	42198	12.42	ng	# 72
49) Dimethylphthalate	11.79	163	175223	19.37	ng	99
55) 4-Nitrophenol	12.50	139	786	5.18	ng	# 25
70) Phenanthrene	14.57	178	72932	6.90	ng	99
71) Anthracene	14.67	178	22547	2.04	ng	99
74) Fluoranthene	16.36	202	113659	10.87	ng	100
77) Pyrene	16.66	202	95575	8.97	ng	96
80) Benzo(a)anthracene	18.26	228	49322	5.94	ng	96
82) Chrysene	18.30	228	41600	5.01	ng	97
85) Indeno(1,2,3-cd)pyrene	21.13	276	17567	2.47	ng	# 90
87) Benzo(b)fluoranthene	19.54	252	67463	9.14	ng	# 94
88) Benzo(k)fluoranthene	19.54	252	67463	9.56	ng	97
89) Benzo(a)pyrene	19.89	252	36520	5.38	ng	# 91
91) Benzo(a,h,i)perylene	21.46	276	15044	2.56	ng	94

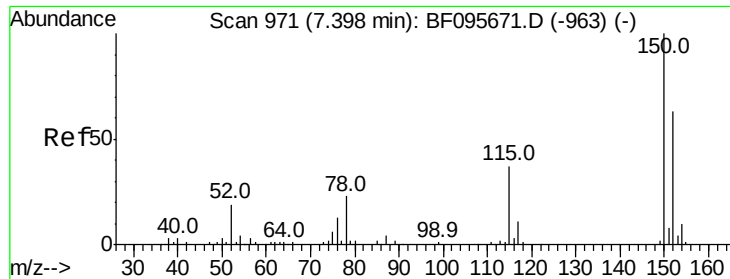
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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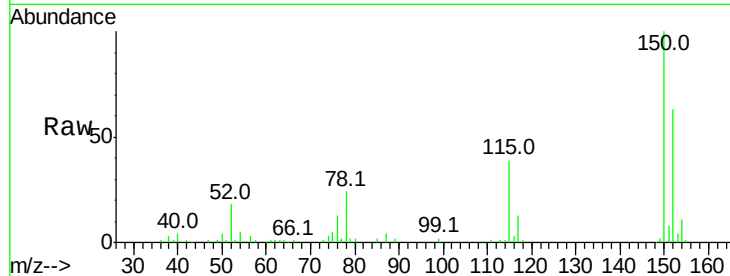


#1

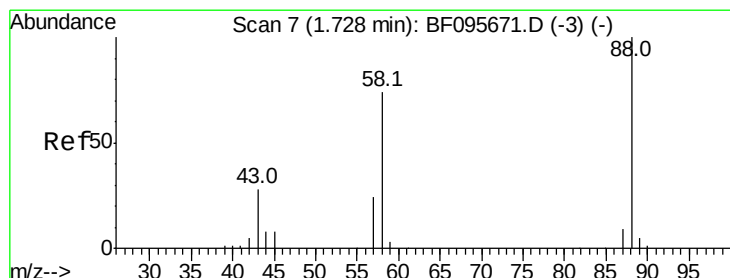
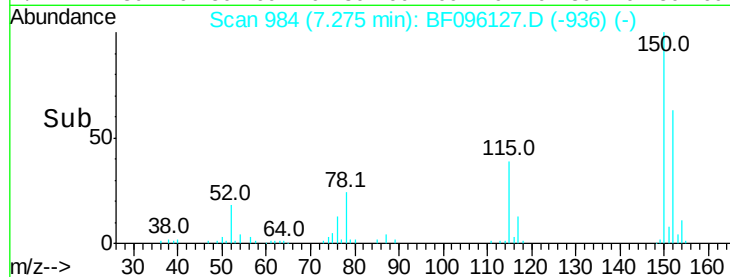
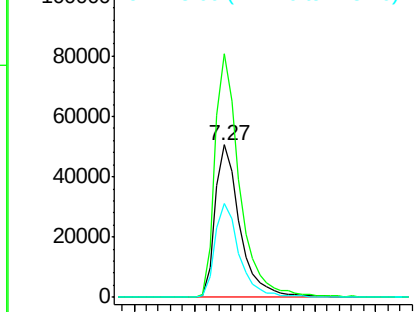
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.27 min Scan# 984
Delta R.T. -0.02 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 71356
Ion Ratio Lower Upper
152 100
150 159.9 126.2 189.2
115 61.7 52.2 78.2



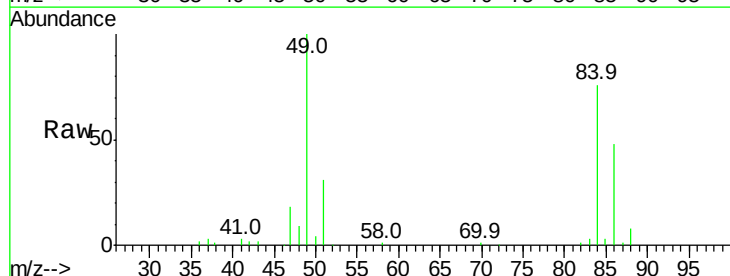
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



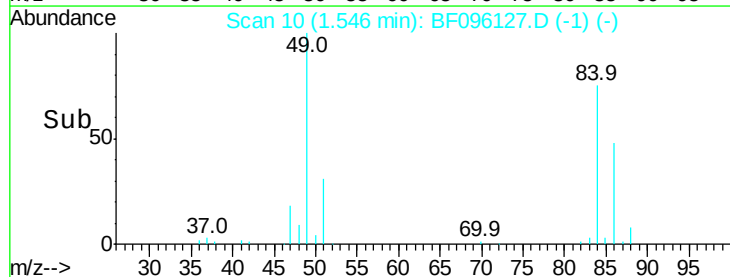
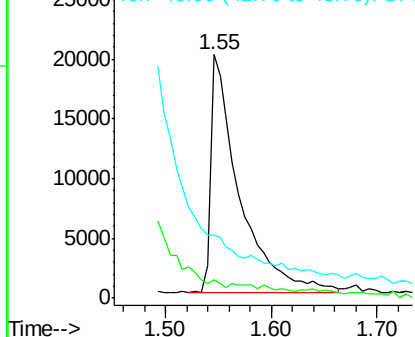
#2

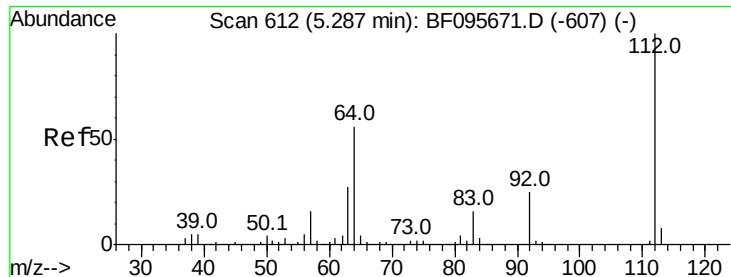
1,4-Dioxane
Concen: 17.56 ng
RT: 1.55 min Scan# 10
Delta R.T. -0.06 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

Tgt Ion: 88 Resp: 37404
Ion Ratio Lower Upper
88 100
58 0.0 61.4 92.0#
43 0.0 23.4 35.0#



Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 119.48 ng

RT: 5.17 min Scan# 626

Delta R.T. -0.01 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

Instrument :

BNA_F

ClientSampleId :

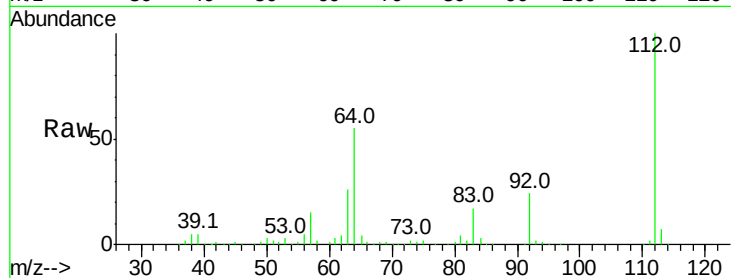
Tot Ion: 112 Resp: 535022

Ion Ratio Lower Upper

112 100

64 54.7 46.0 69.0

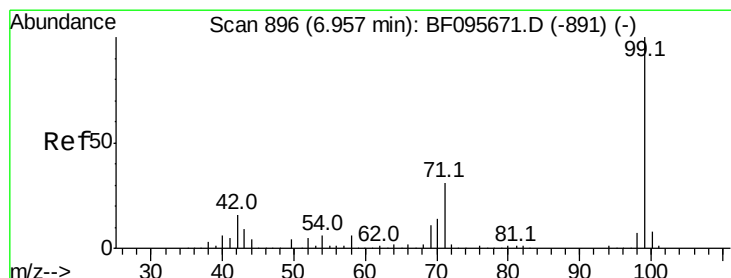
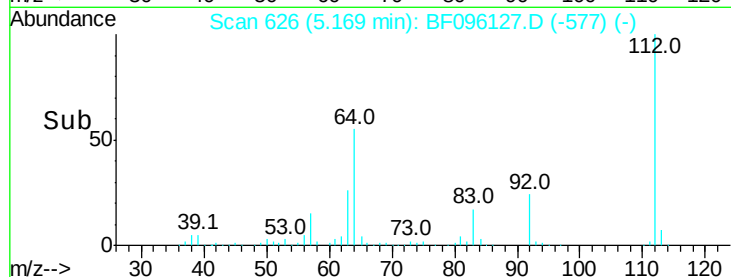
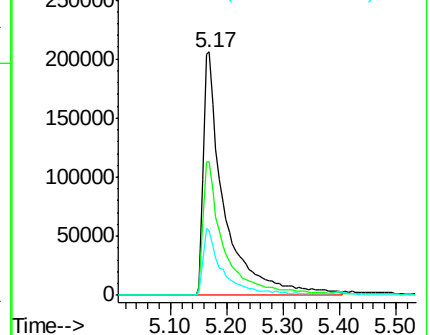
63 26.3 23.4 35.0



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: 114.76 ng

RT: 6.86 min Scan# 913

Delta R.T. -0.02 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

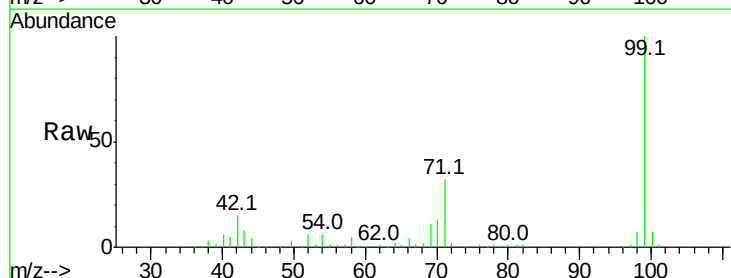
Tgt Ion: 99 Resp: 615225

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

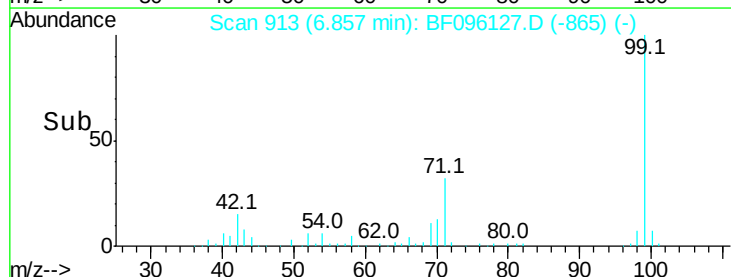
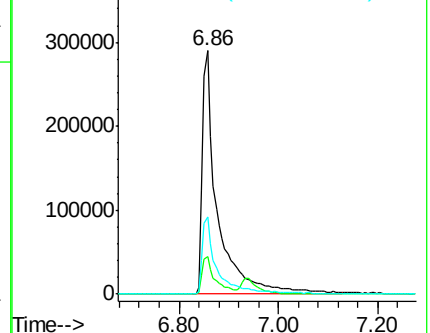
71 31.8 24.5 36.7

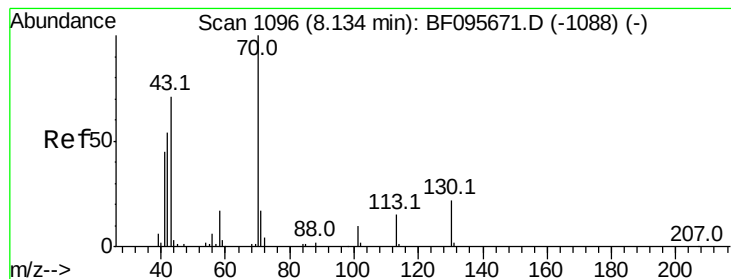


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 12.42 ng

RT: 8.20 min Scan# 1141

Delta R.T. 0.16 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 42198

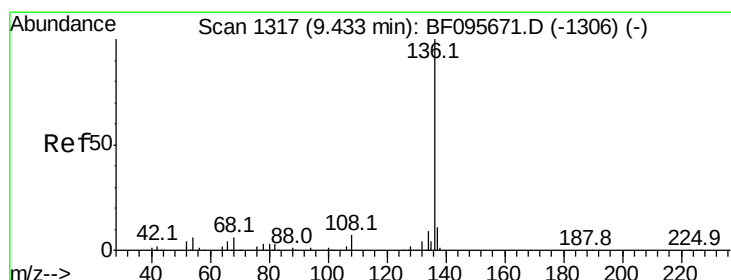
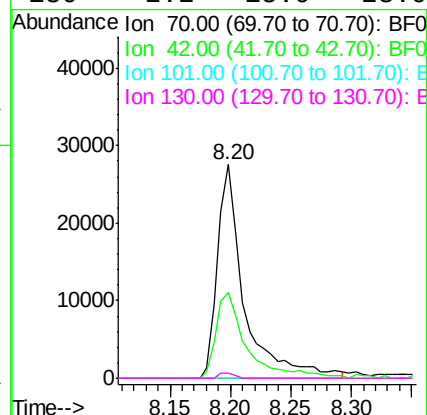
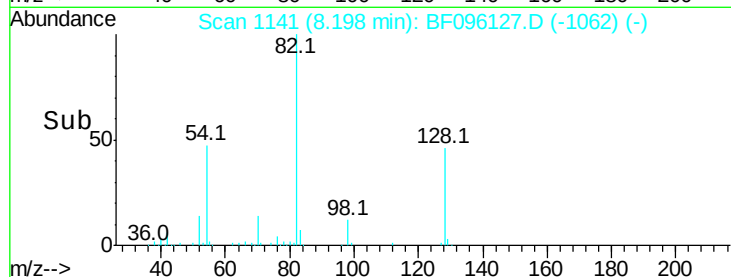
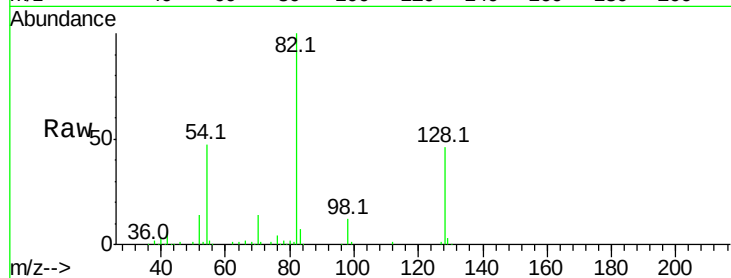
Ion Ratio Lower Upper

70 100

42 40.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.31 min Scan# 1330

Delta R.T. -0.02 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

Tgt Ion: 136 Resp: 288933

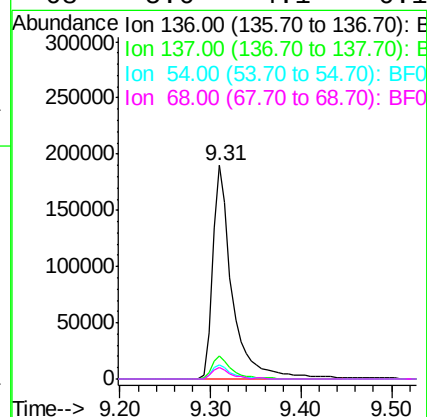
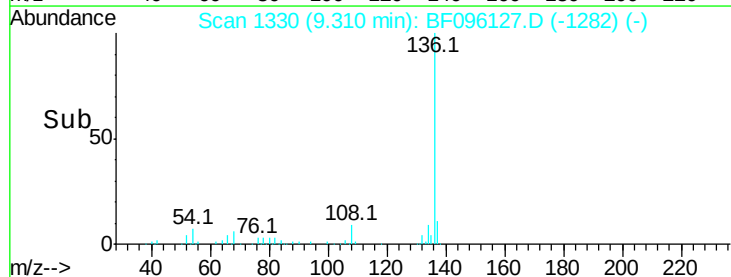
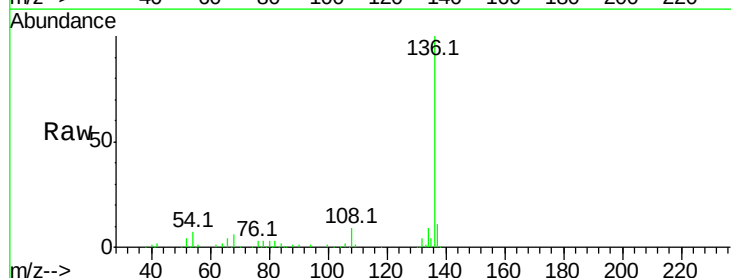
Ion Ratio Lower Upper

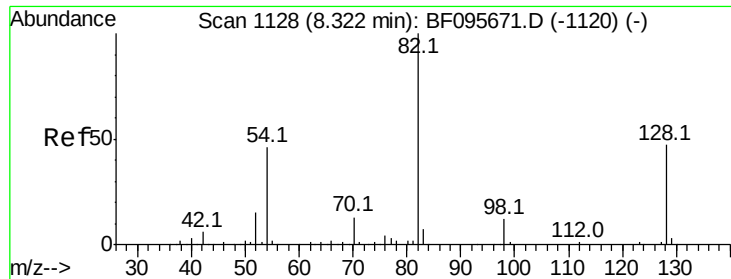
136 100

137 10.6 8.5 12.7

54 6.9 4.9 7.3

68 5.6 4.1 6.1

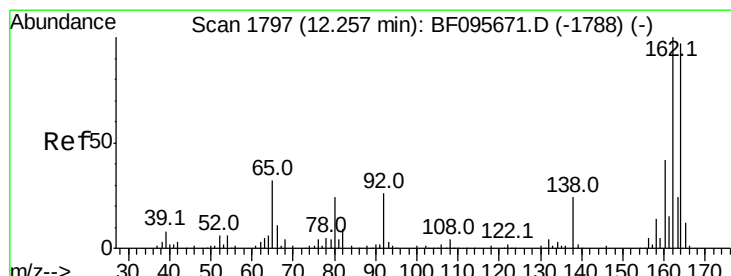
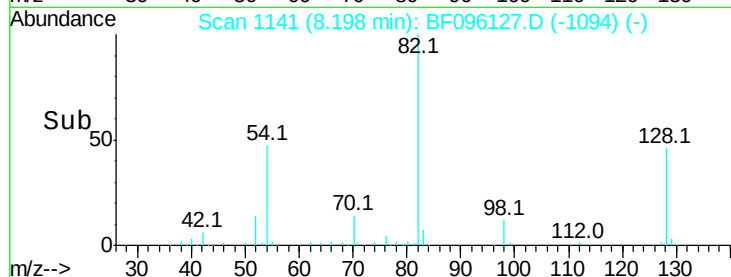
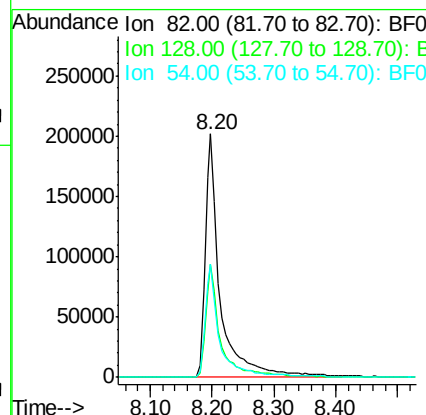
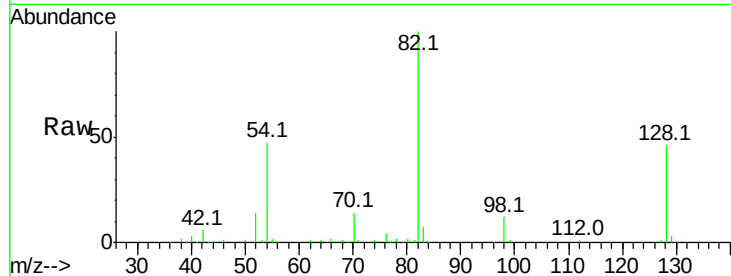




#23
 Nitrobenzene-d5
 Concen: 74.24 ng
 RT: 8.20 min Scan# 1141
 Delta R.T. -0.02 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

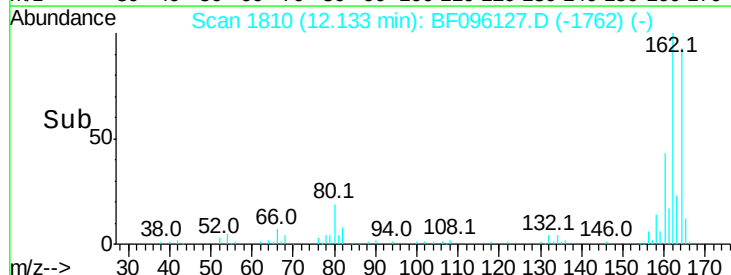
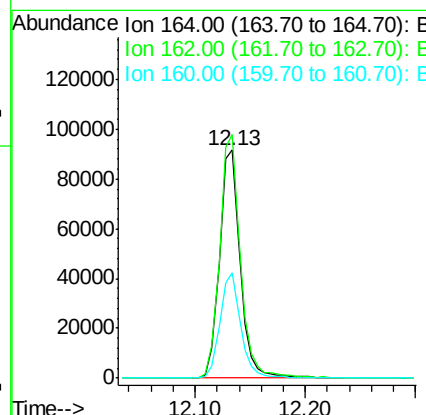
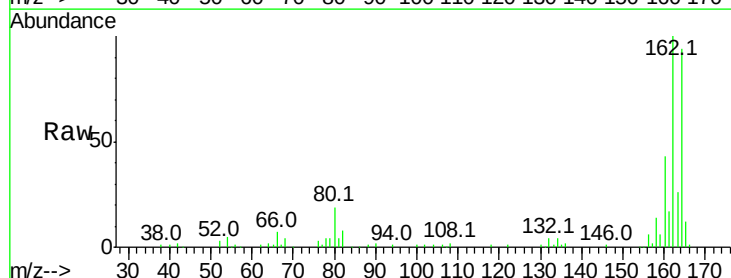
Instrument :
 BNA_F
 ClientSampled :

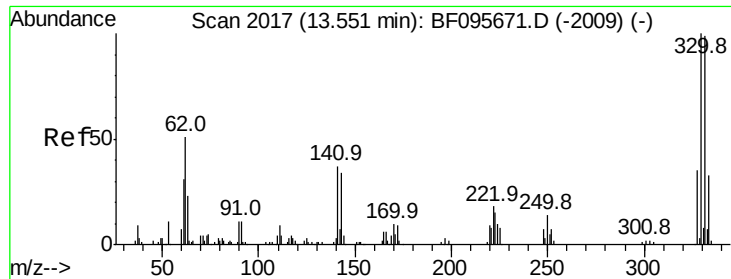
Tot Ion: 82 Resp: 345376
 Ion Ratio Lower Upper
 82 100
 128 46.4 34.0 51.0
 54 46.6 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.13 min Scan# 1810
 Delta R.T. -0.02 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

Tgt Ion:164 Resp: 119144
 Ion Ratio Lower Upper
 164 100
 162 106.8 82.6 123.8
 160 46.3 36.2 54.2

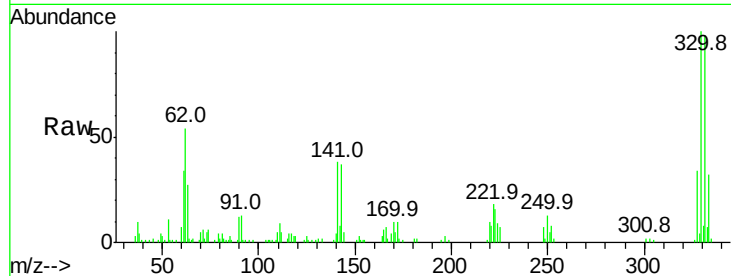




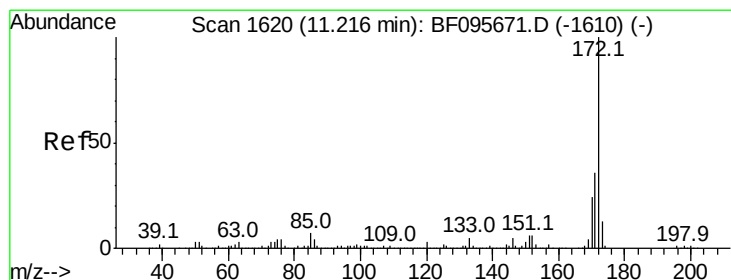
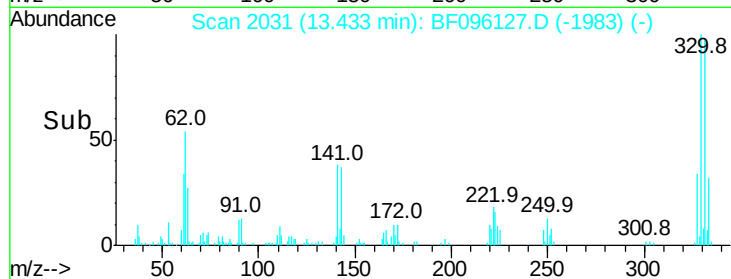
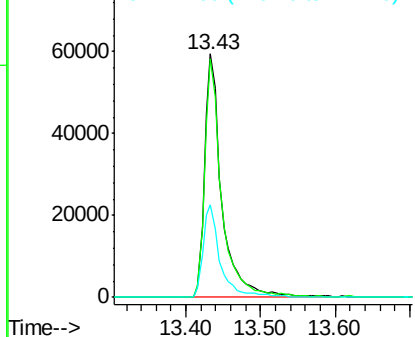
#41
 2,4,6-Tribromophenol
 Concen: 91.23 ng
 RT: 13.43 min Scan# 2031
 Delta R.T. -0.02 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 96167
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 115.0
 141 37.8 31.4 47.2

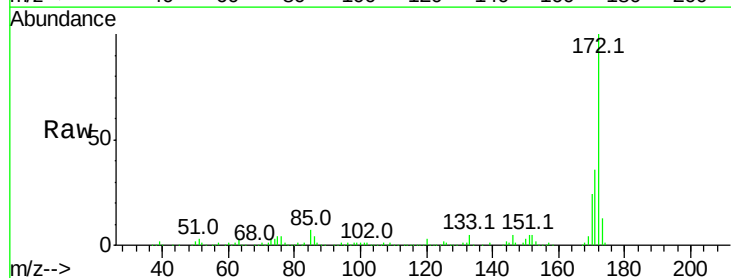


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

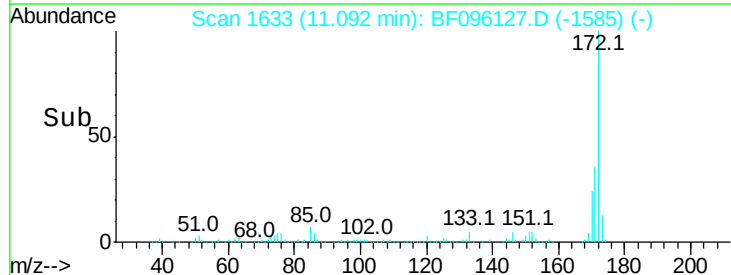
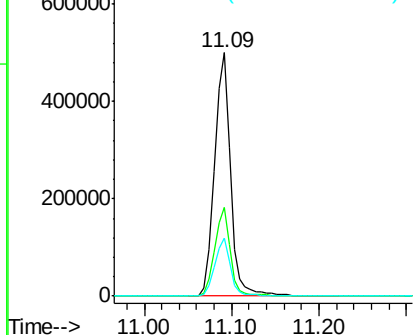


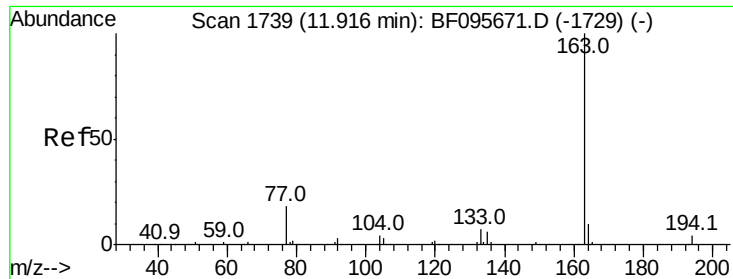
#44
 2-Fluorobiphenyl
 Concen: 74.76 ng
 RT: 11.09 min Scan# 1633
 Delta R.T. -0.02 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

Tgt Ion:172 Resp: 640096
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.6 44.4
 170 23.8 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: 19.37 ng

RT: 11.79 min Scan# 1752

Delta R.T. -0.03 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

Instrument :

BNA_F

ClientSampleId :

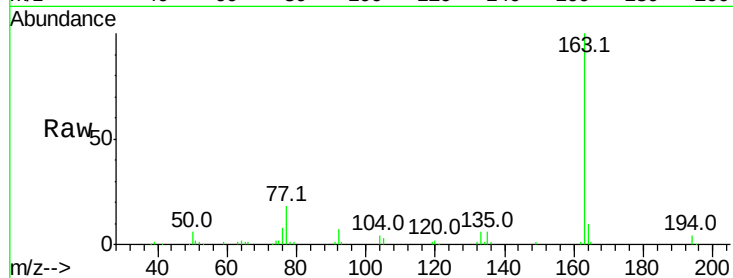
Tot Ion:163 Resp: 175223

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

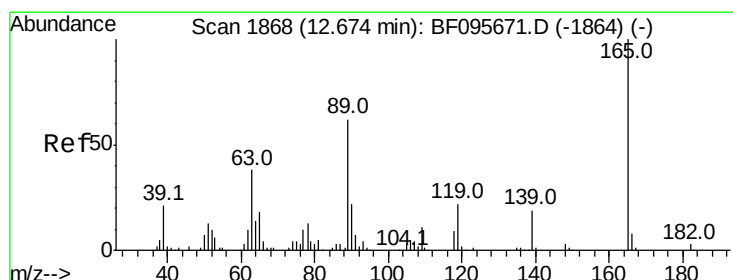
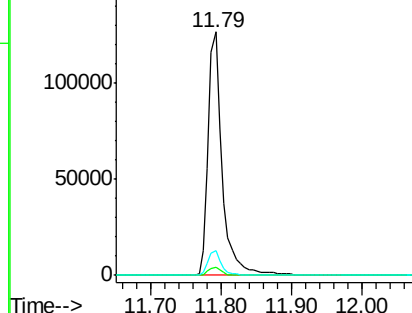
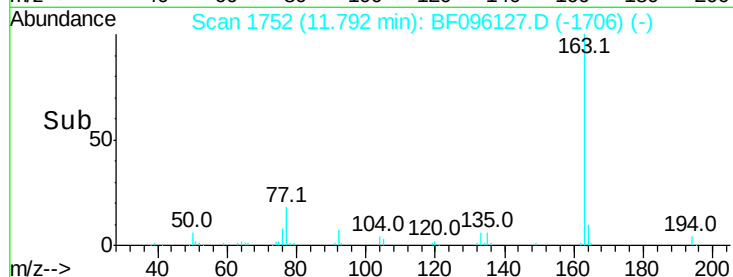
164 9.9 8.4 12.6



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



#55

4-Nitrophenol

Concen: 5.18 ng

RT: 12.50 min Scan# 1873

Delta R.T. -0.13 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

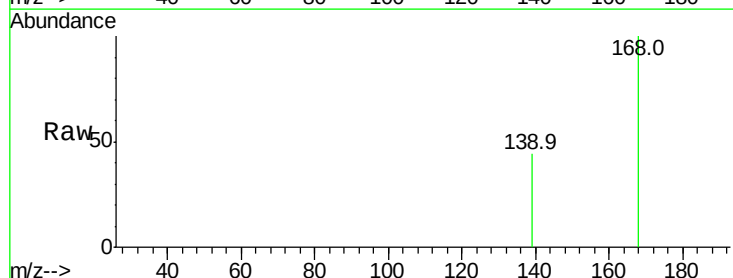
Tgt Ion:139 Resp: 786

Ion Ratio Lower Upper

139 100

109 0.0 34.1 74.1#

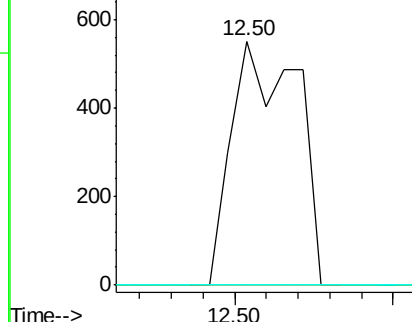
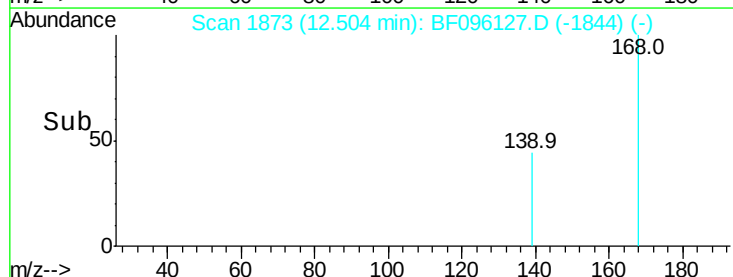
65 0.0 31.4 71.4#

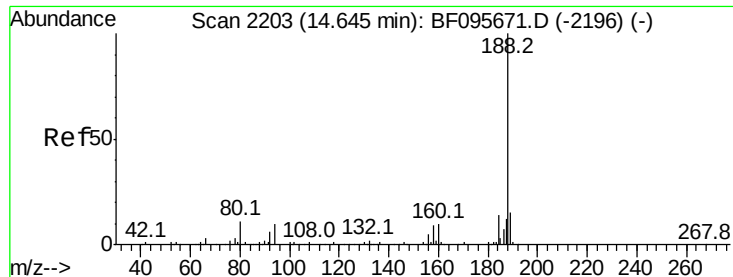


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

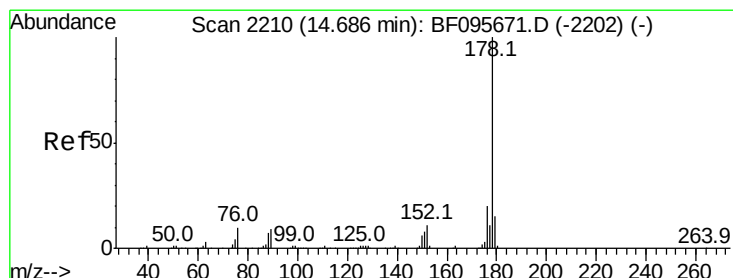
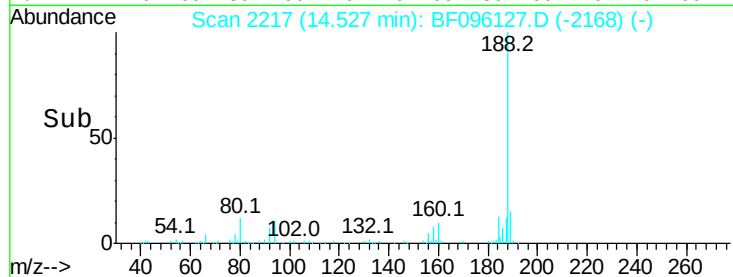
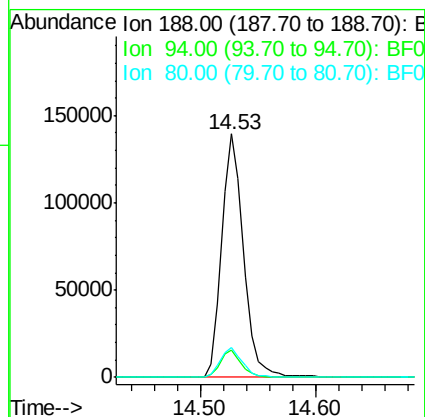
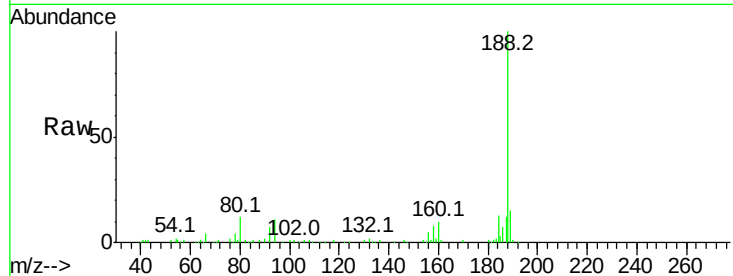




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

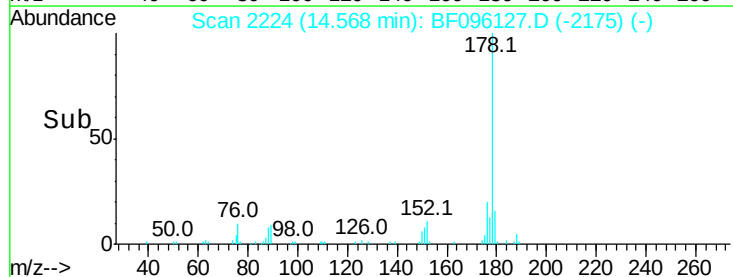
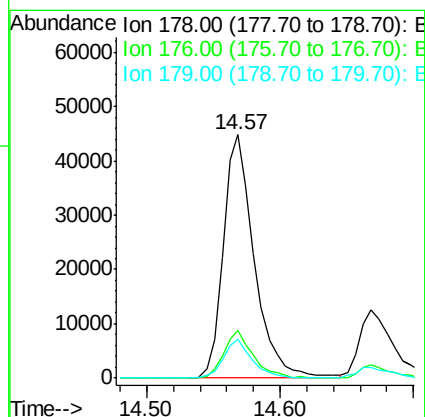
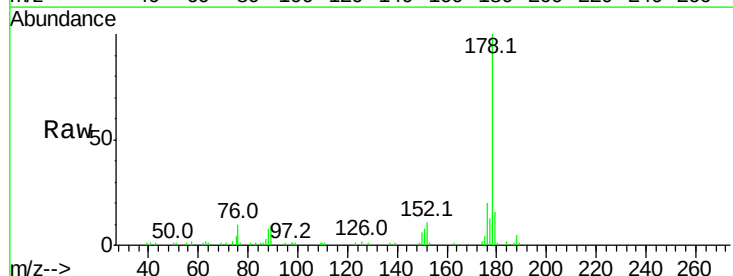
Instrument :
BNA_F
ClientSampleId :

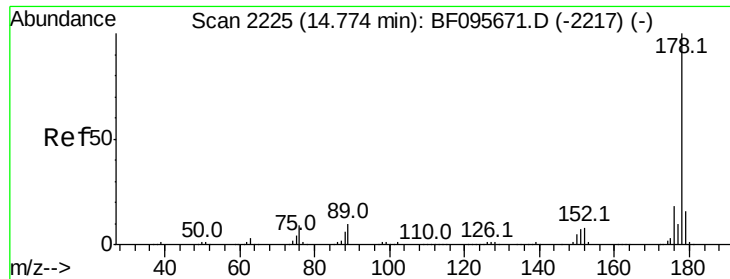
Tot Ion:188 Resp: 183058
Ion Ratio Lower Upper
188 100
94 11.0 9.4 14.2
80 12.0 10.2 15.2



#70
Phenanthrene
Concen: 6.90 ng
RT: 14.57 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

Tgt Ion:178 Resp: 72932
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.7 12.6 19.0

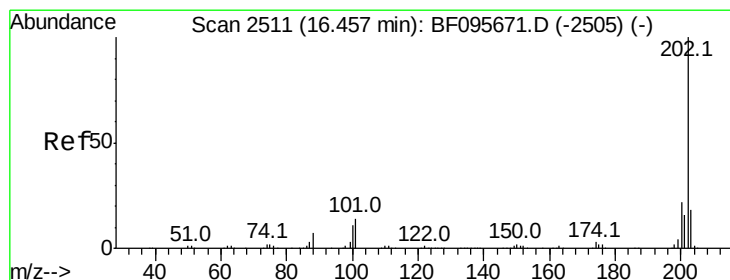
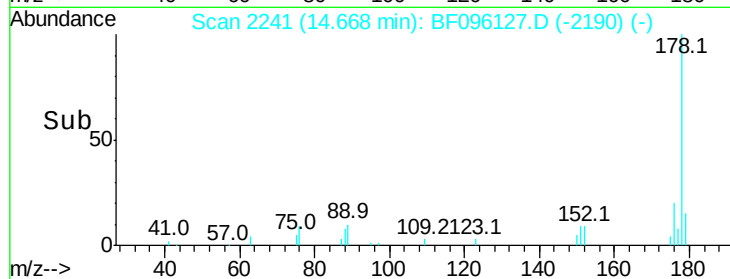
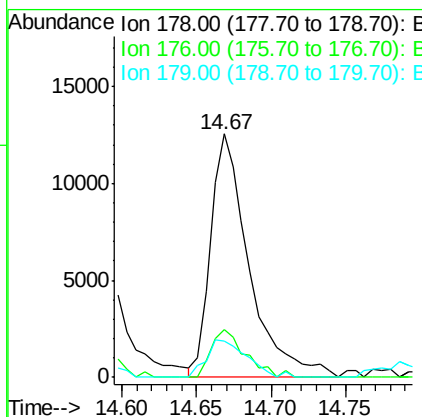
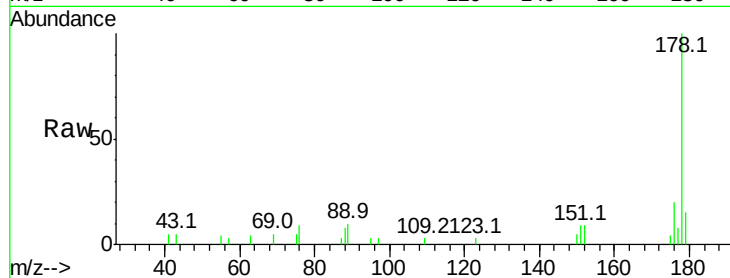




#71
 Anthracene
 Concen: 2.04 ng
 RT: 14.67 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

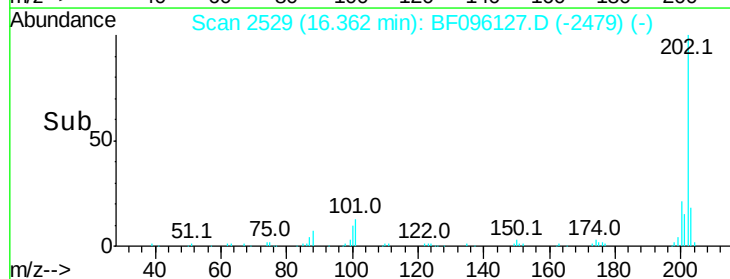
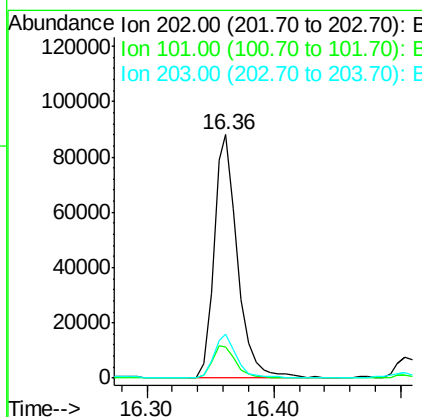
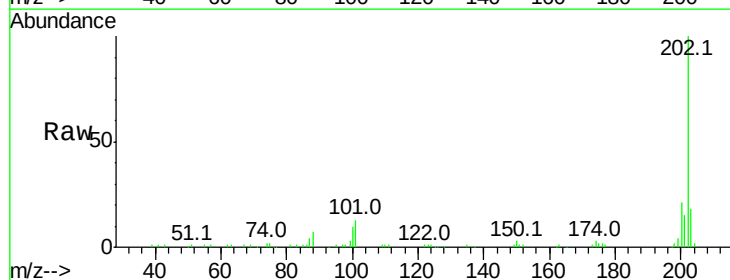
Instrument :
 BNA_F
 ClientSampleId :

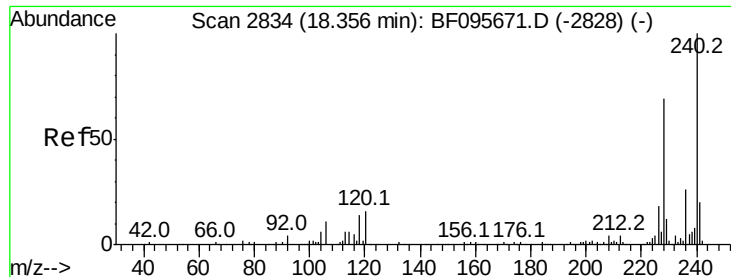
Tot Ion:178 Resp: 22547
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.8 23.8
 179 14.9 12.7 19.1



#74
 Fluoranthene
 Concen: 10.87 ng
 RT: 16.36 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

Tgt Ion:202 Resp: 113659
 Ion Ratio Lower Upper
 202 100
 101 13.0 0.0 33.2
 203 17.9 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.27 min Scan# 2853

Delta R.T. -0.01 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

Instrument :

BNA_F

ClientSampleId :

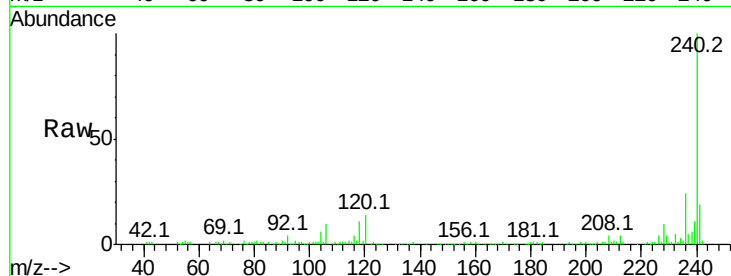
Tot Ion:240 Resp: 142822

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

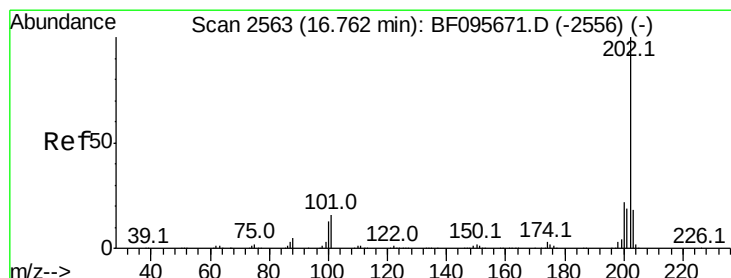
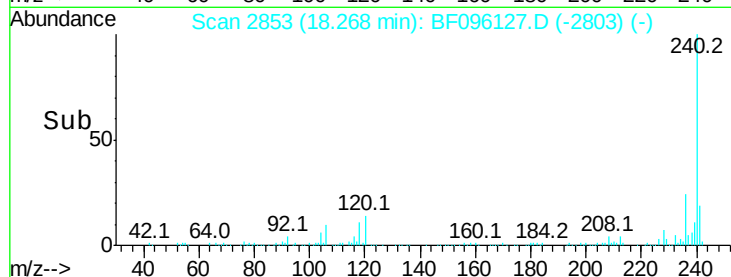
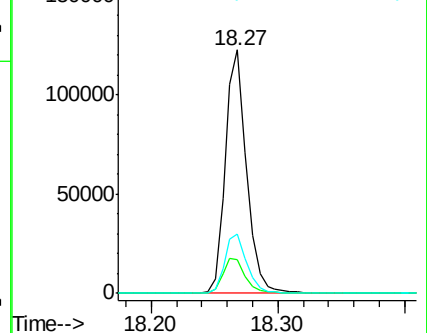
236 24.2 20.5 30.7



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: 8.97 ng

RT: 16.66 min Scan# 2580

Delta R.T. -0.01 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

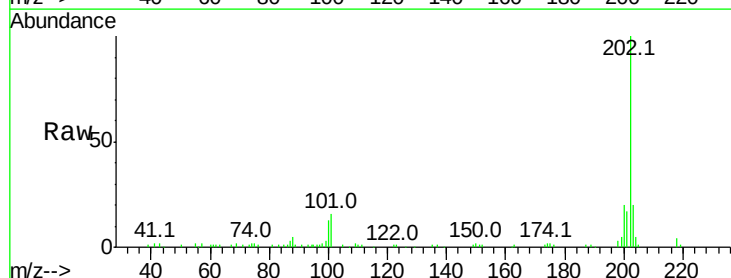
Tgt Ion:202 Resp: 95575

Ion Ratio Lower Upper

202 100

200 20.2 17.6 26.4

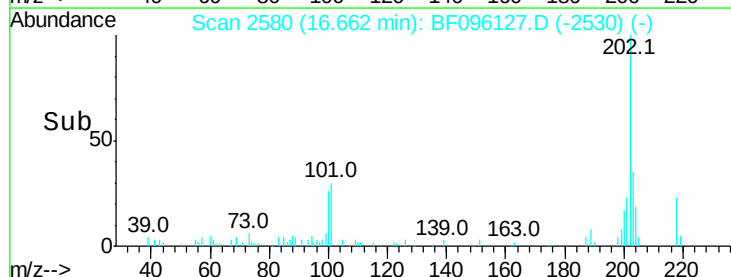
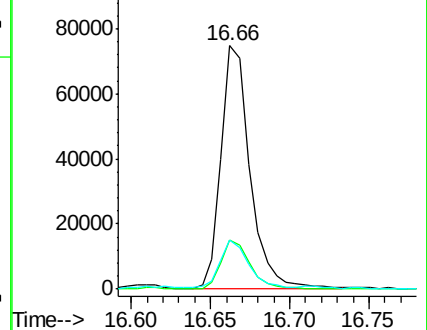
203 20.2 14.4 21.6

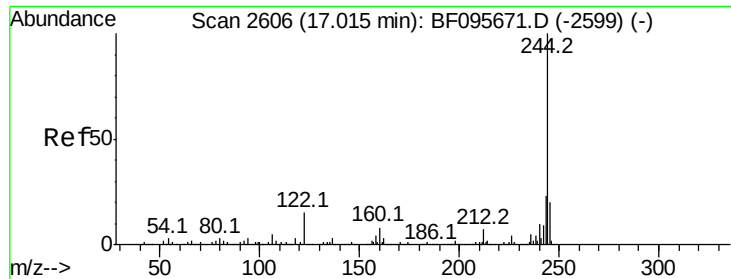


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

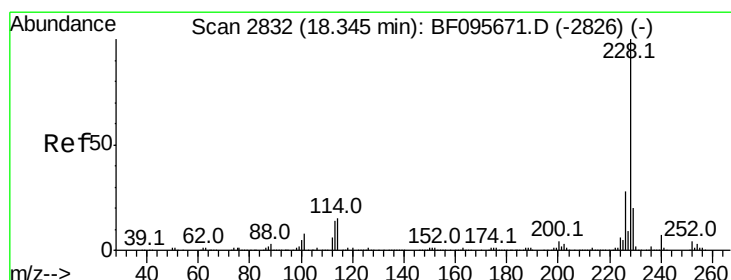
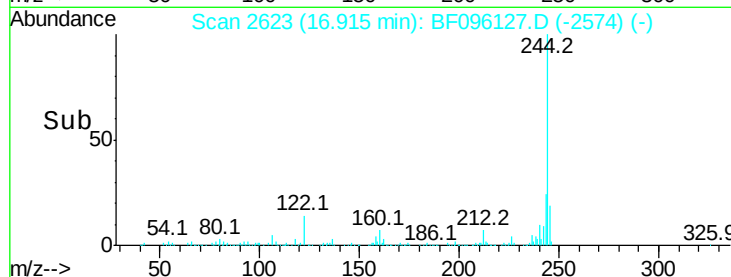
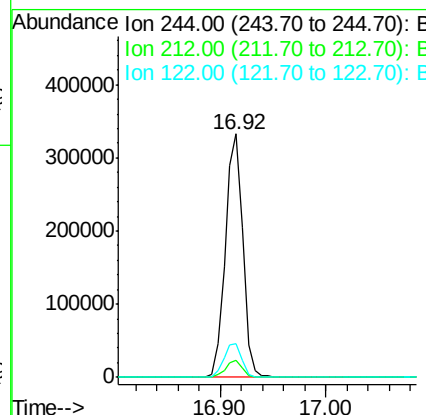
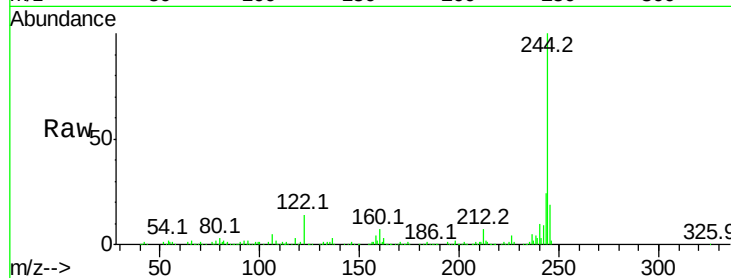




#78
 Terphenyl-d14
 Concen: 66.99 ng
 RT: 16.92 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

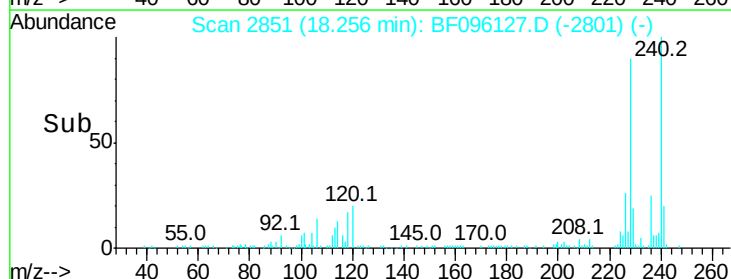
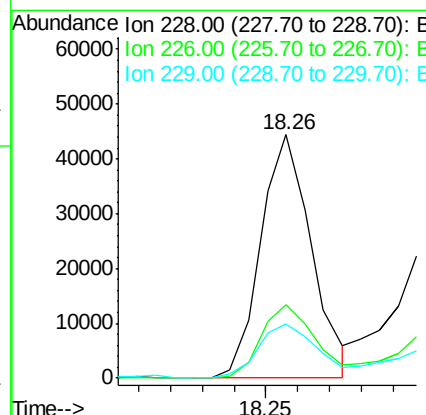
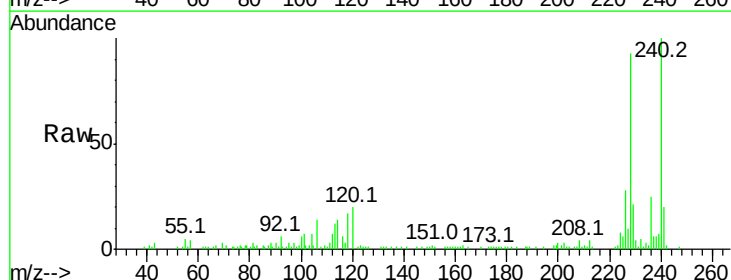
Instrument :
 BNA_F
 ClientSampled :

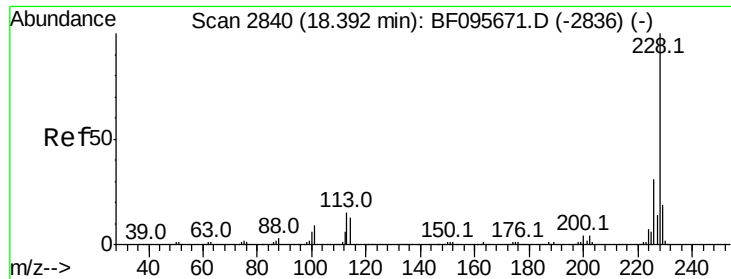
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	13.9	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 5.94 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096127.D
 Acq: 22 Jun 2017 17:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	22.3	16.3	24.5





#82

Chrysene

Concen: 5.01 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

Instrument :

BNA_F

ClientSampleId :

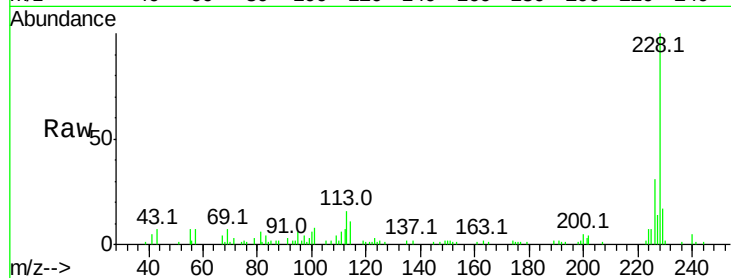
Tot Ion:228 Resp: 41600

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

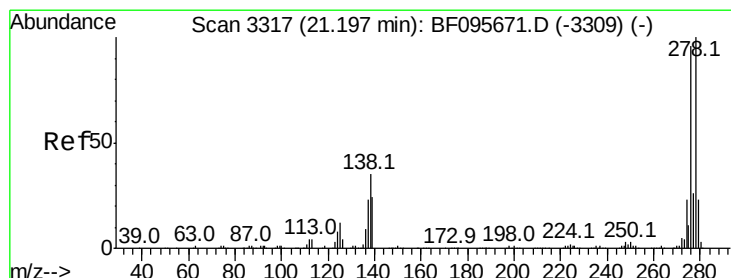
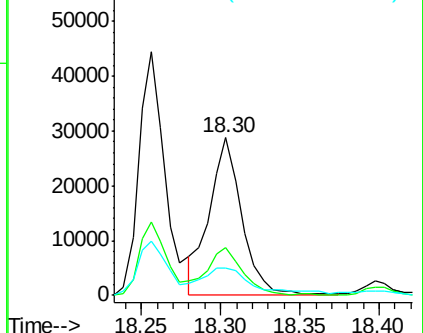
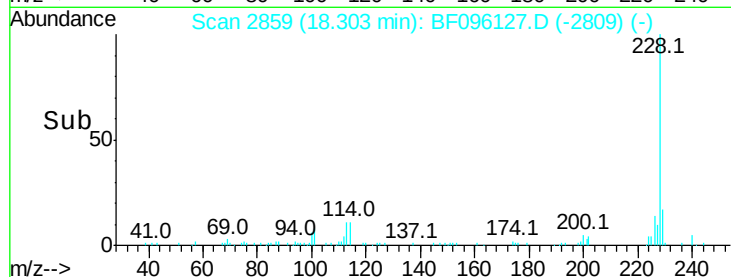
229 17.3 15.8 23.6



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: 2.47 ng

RT: 21.13 min Scan# 3340

Delta R.T. 0.04 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

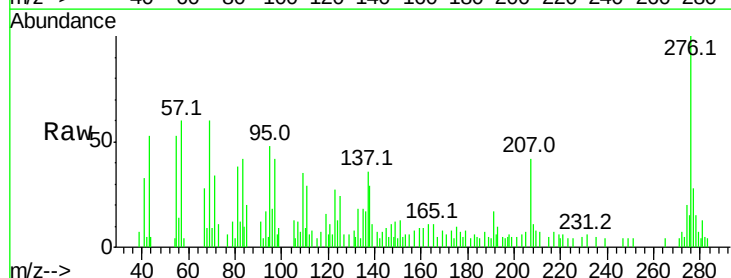
Tgt Ion:276 Resp: 17567

Ion Ratio Lower Upper

276 100

138 30.0 27.8 41.6

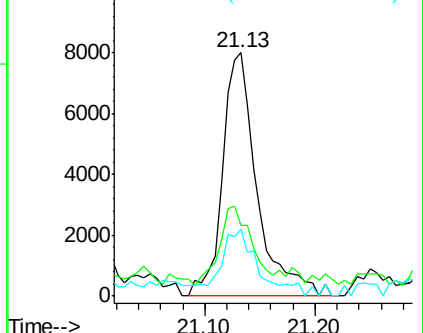
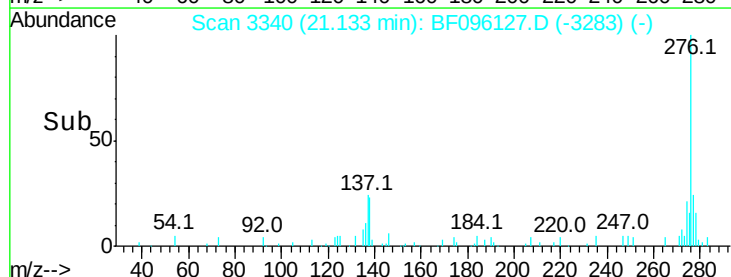
277 19.2 20.2 30.4#

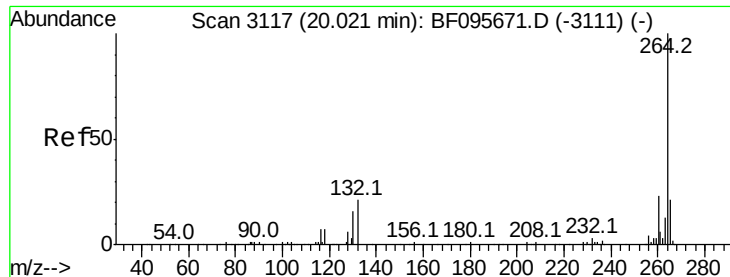


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



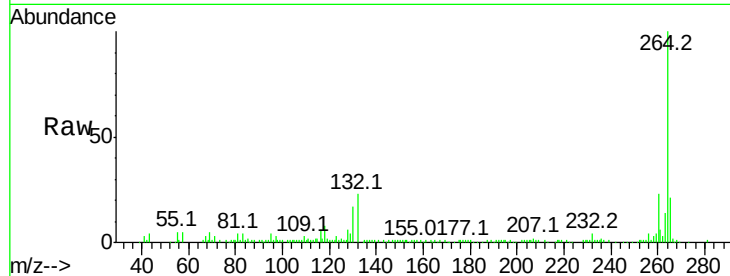


#86
Pervlene-d12
Concen: 20.00 ng
RT: 19.94 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

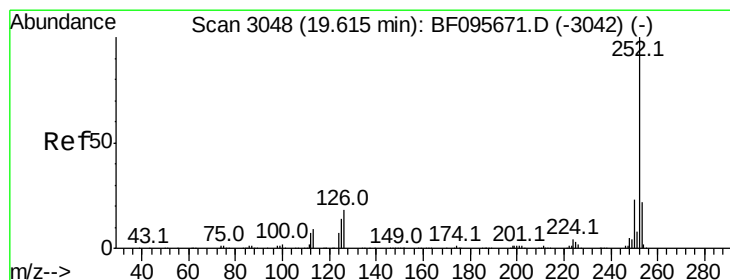
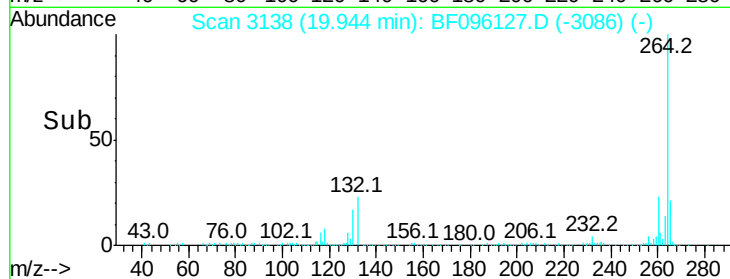
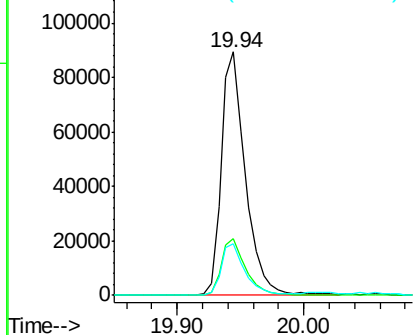
Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 117896

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.5	29.3
265	21.2	17.2	25.8



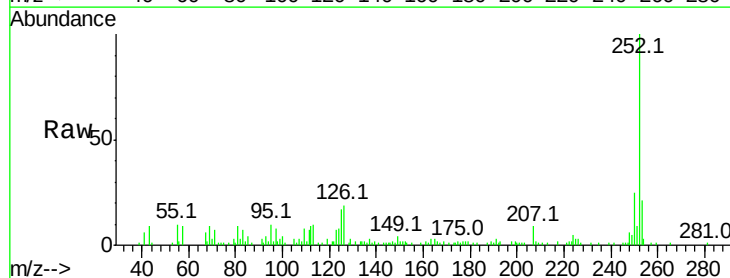
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



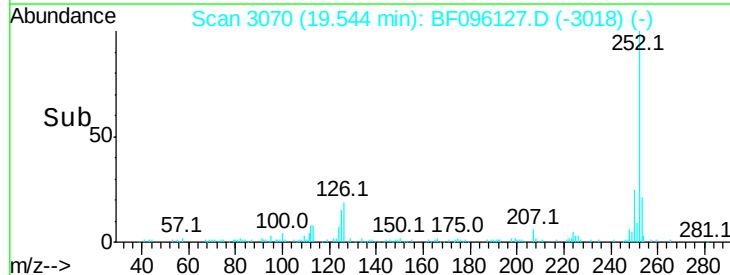
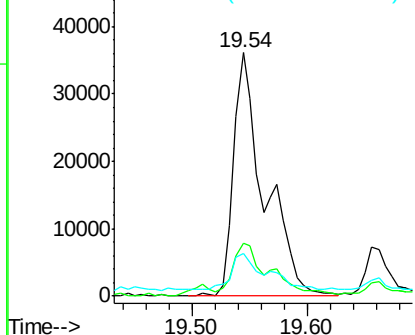
#87
Benzo(b)fluoranthene
Concen: 9.14 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

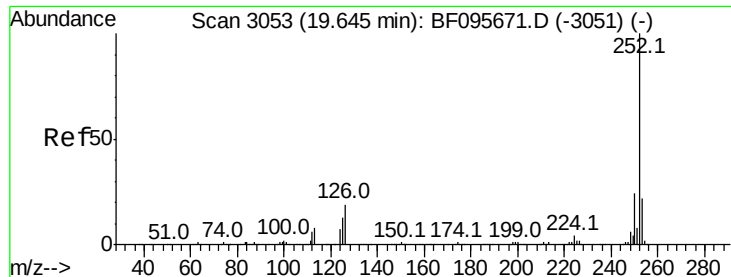
Tgt Ion:252 Resp: 67463

Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	17.3	9.8	14.8



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

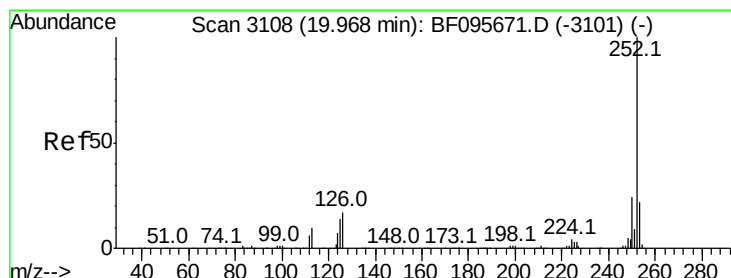
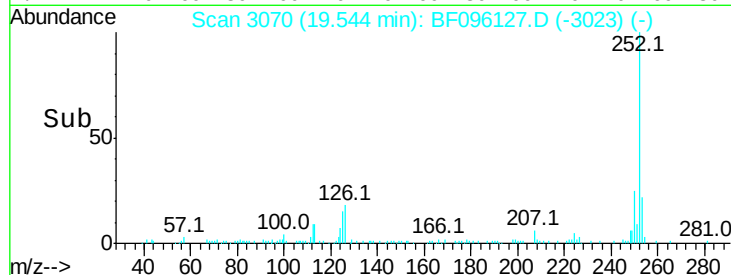
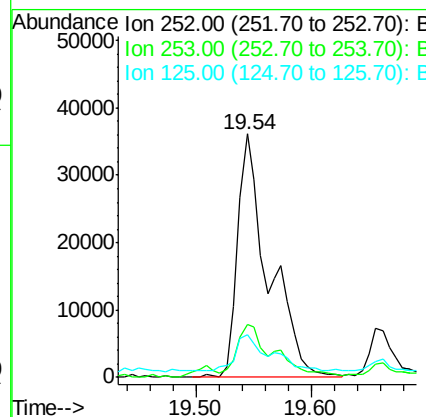
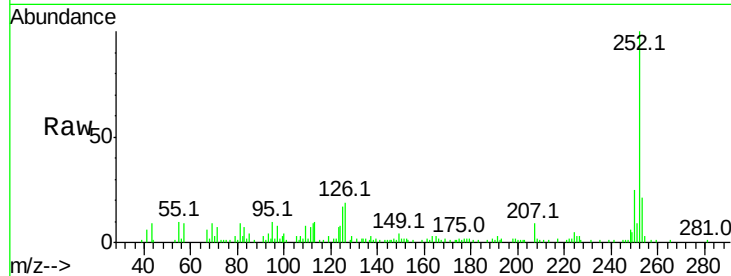




#88
Benzo(k)fluoranthene
Concen: 9.56 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

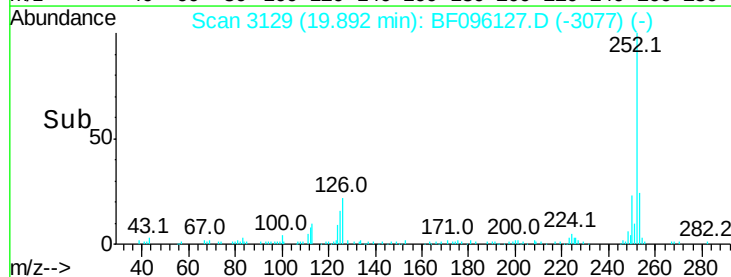
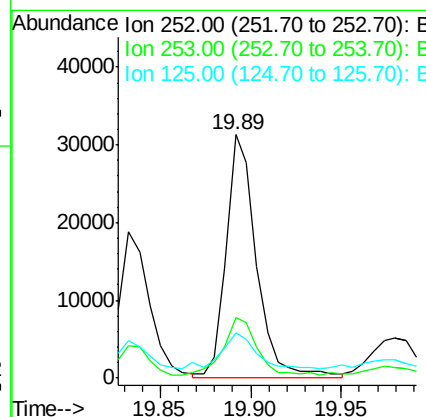
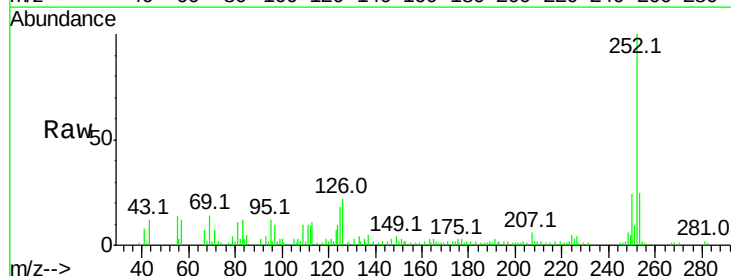
Instrument :
BNA_F
ClientSampled :

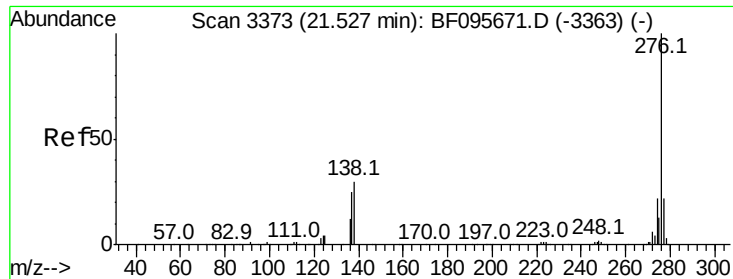
Tot Ion:252 Resp: 67463
Ion Ratio Lower Upper
252 100
253 21.5 18.4 27.6
125 17.3 13.1 19.7



#89
Benzo(a)pyrene
Concen: 5.38 ng
RT: 19.89 min Scan# 3129
Delta R.T. 0.01 min
Lab File: BF096127.D
Acq: 22 Jun 2017 17:54

Tgt Ion:252 Resp: 36520
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 18.4 11.0 16.4#





#91

Benzo(a,h,i)perylene

Concen: 2.56 ng

RT: 21.46 min Scan# 3396

Delta R.T. 0.04 min

Lab File: BF096127.D

Acq: 22 Jun 2017 17:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 15044

Ion Ratio Lower Upper

276 100

277 25.7 18.6 28.0

138 35.8 25.4 38.0

