

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062017\
 Data File : BF096063.D
 Acq On : 21 Jun 2017 1:04
 Operator : SJ/MA
 Sample : I3782-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 21 02:25:14 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

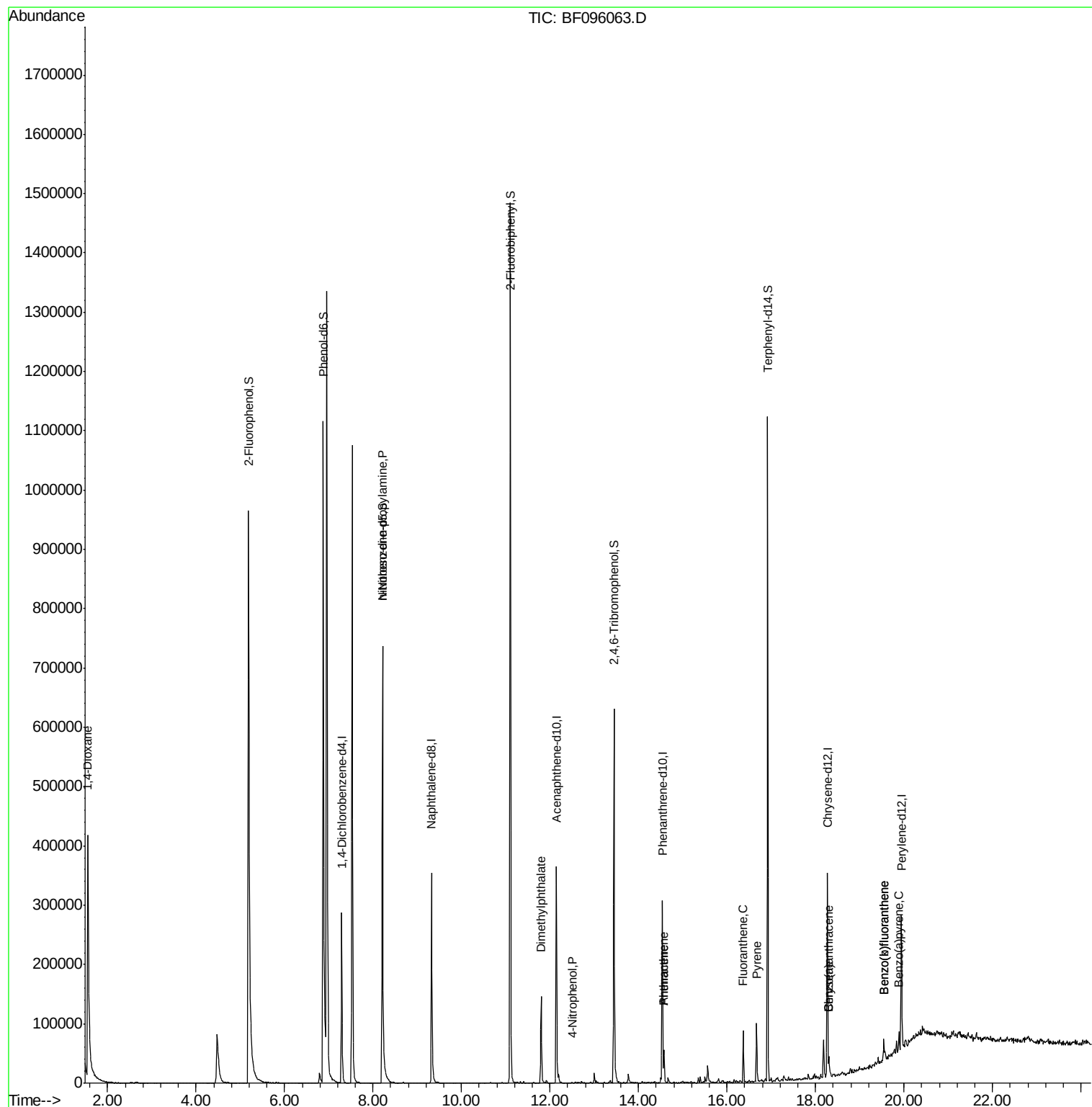
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	70813	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	274642	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	107670	20.00	ng	0.00
63) Phenanthrene-d10	14.54	188	166077	20.00	ng	0.00
75) Chrysene-d12	18.27	240	129561	20.00	ng	0.00
86) Perylene-d12	19.94	264	95831	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	612852	137.91	ng	0.00
7) Phenol-d6	6.87	99	738134	138.74	ng	0.00
23) Nitrobenzene-d5	8.22	82	395478	89.43	ng	0.00
41) 2,4,6-Tribromophenol	13.44	330	109409	114.85	ng	0.00
44) 2-Fluorobiphenyl	11.10	172	683559	88.35	ng	0.00
78) Terphenyl-d14	16.92	244	441278	84.53	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.56	88	22561	10.67	ng	# 21
19) n-Nitroso-di-n-propylamine	8.22	70	48204	14.30	ng	# 75
49) Dimethylphthalate	11.80	163	97942	11.98	ng	# 98
55) 4-Nitrophenol	12.50	139	152	4.75	ng	# 25
70) Phenanthrene	14.57	178	33875	3.54	ng	99
71) Anthracene	14.57	178	33875	3.39	ng	98
74) Fluoranthene	16.37	202	47165	4.97	ng	97
77) Pyrene	16.67	202	43366	4.49	ng	# 96
80) Benzo(a)anthracene	18.30	228	17524	2.33	ng	95
82) Chrysene	18.30	228	17524	2.33	ng	96
87) Benzo(b)fluoranthene	19.54	252	23206	3.87	ng	# 95
88) Benzo(k)fluoranthene	19.54	252	23206	4.05	ng	98
89) Benzo(a)pyrene	19.89	252	12173	2.21	ng	# 85

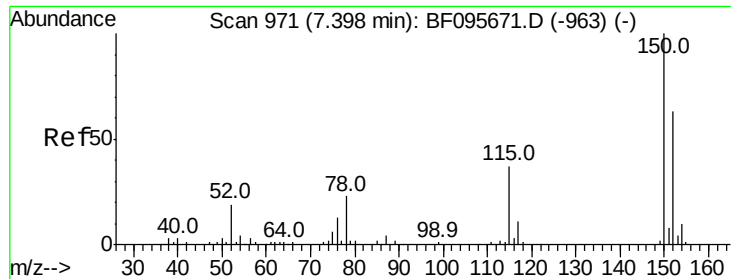
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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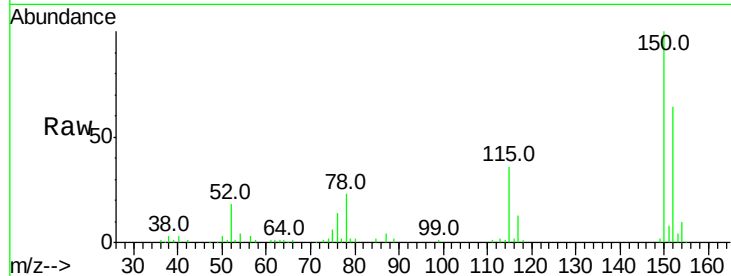


#1

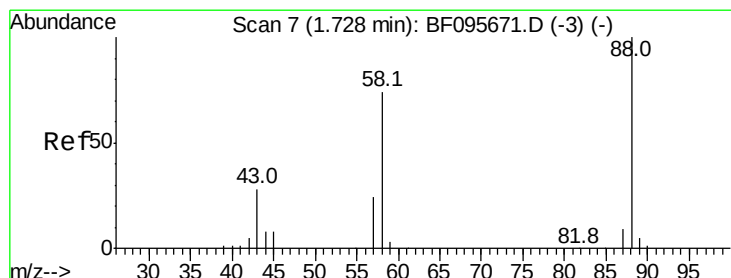
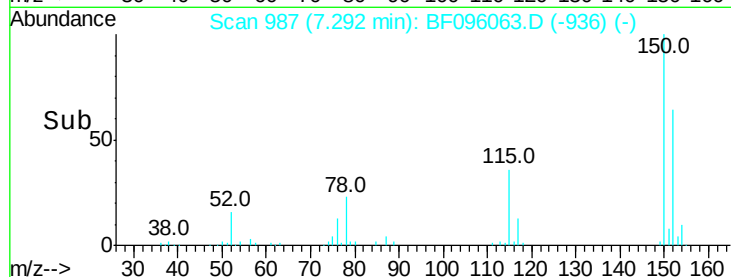
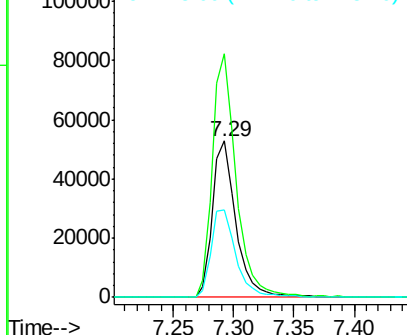
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.29 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF096063.D
Acq: 21 Jun 2017 1:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70813
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 56.3 52.2 78.2



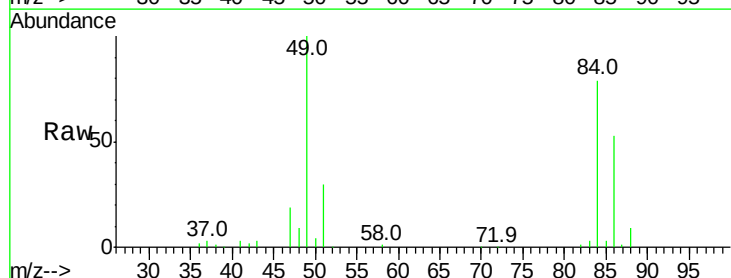
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



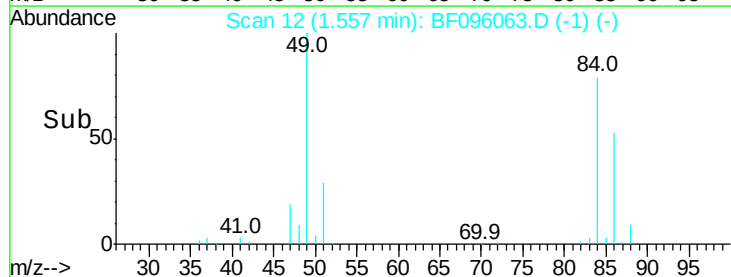
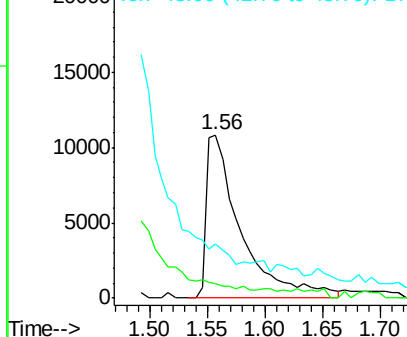
#2

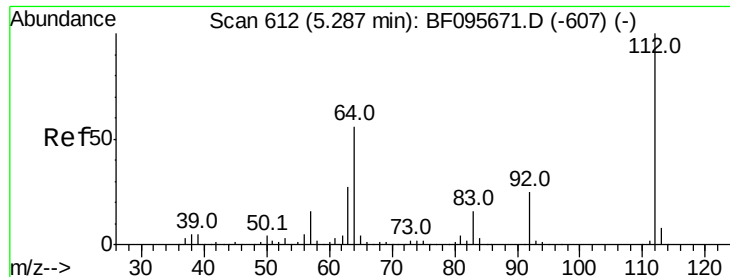
1,4-Dioxane
Concen: 10.67 ng
RT: 1.56 min Scan# 12
Delta R.T. -0.05 min
Lab File: BF096063.D
Acq: 21 Jun 2017 1:04

Tgt Ion: 88 Resp: 22561
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: 137.91 ng

RT: 5.19 min Scan# 629

Delta R.T. 0.01 min

Lab File: BF096063.D

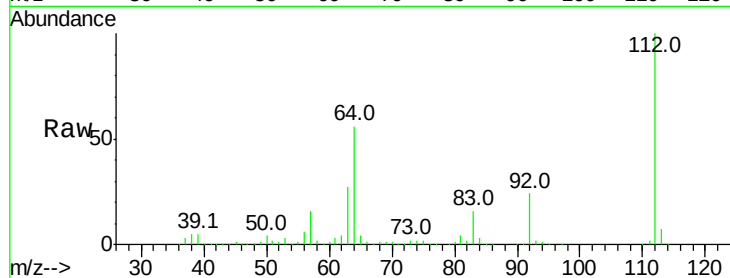
Acq: 21 Jun 2017 1:04

Instrument :

BNA_F

ClientSampled :

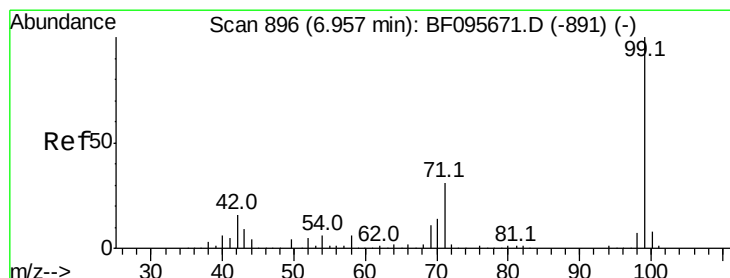
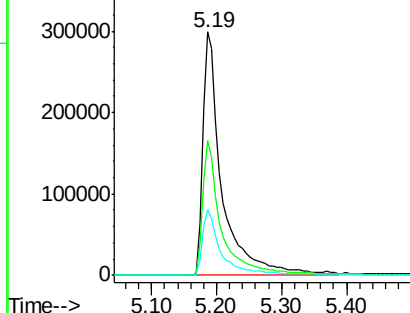
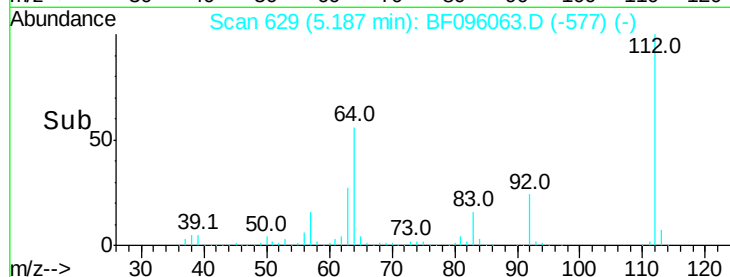
Tot Ion:	112	Resp:	612852
Ion	Ratio	Lower	Upper
112	100		
64	55.6	46.0	69.0
63	26.8	23.4	35.0



Abundance Ion 112.00 (111.70 to 112.70): BF095671.D (-607) (-)

Ion 64.00 (63.70 to 64.70): BF095671.D (-607) (-)

Ion 63.00 (62.70 to 63.70): BF095671.D (-607) (-)



#7

Phenol-d6

Concen: 138.74 ng

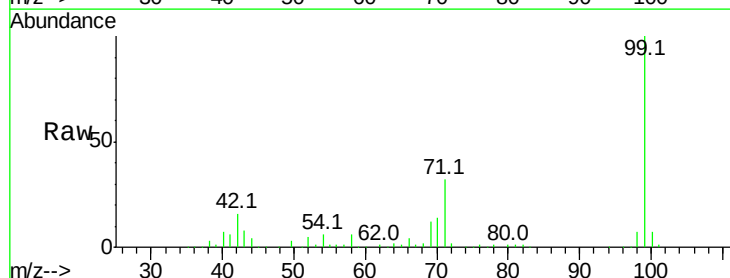
RT: 6.87 min Scan# 916

Delta R.T. 0.00 min

Lab File: BF096063.D

Acq: 21 Jun 2017 1:04

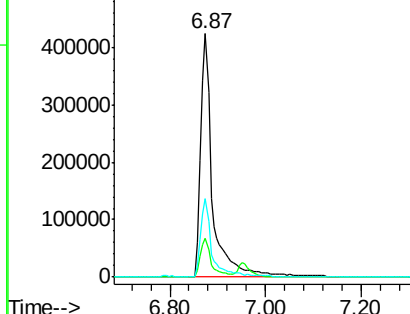
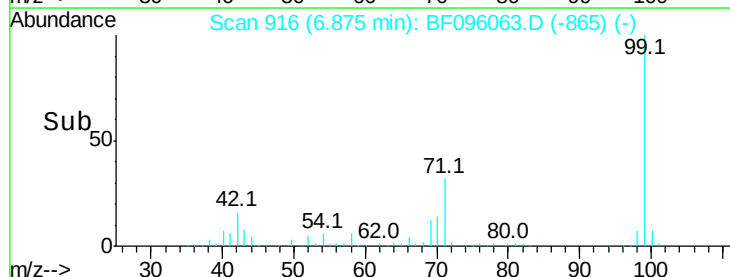
Tgt Ion:	99	Resp:	738134
Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.5	20.3
71	32.0	24.5	36.7

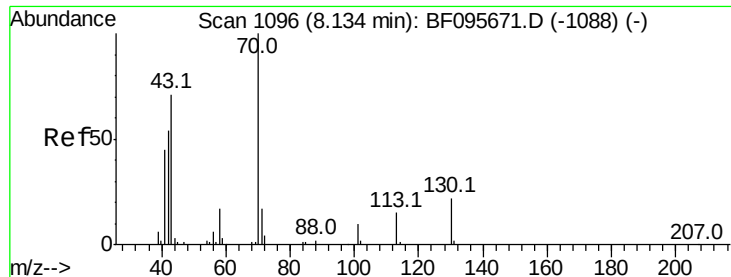


Abundance Ion 99.00 (98.70 to 99.70): BF095671.D (-891) (-)

Ion 42.00 (41.70 to 42.70): BF095671.D (-891) (-)

Ion 71.00 (70.70 to 71.70): BF095671.D (-891) (-)

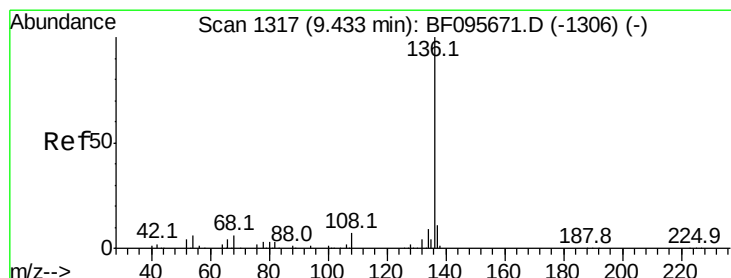
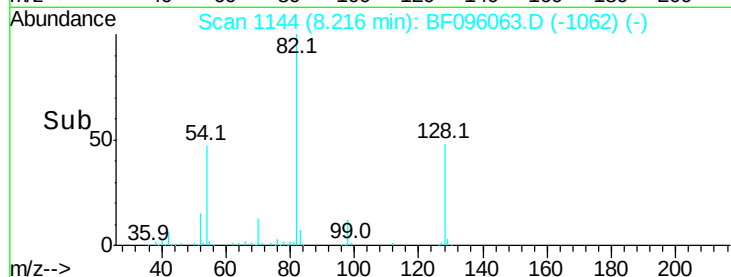
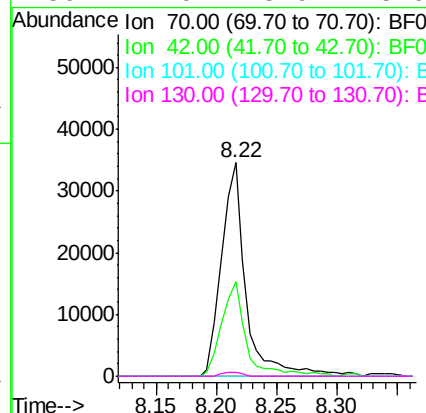
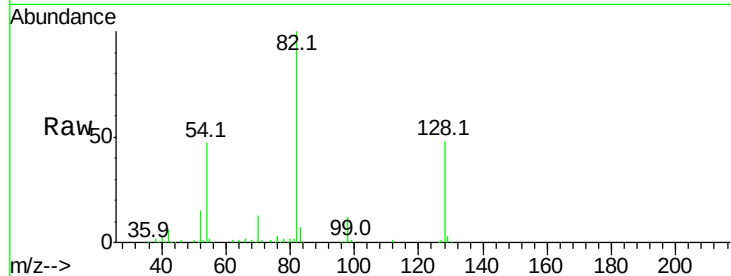




#19
n-Nitroso-di-n-propylamine
Concen: 14.30 ng
RT: 8.22 min Scan# 1144
Delta R.T. 0.18 min
Lab File: BF096063.D
Acq: 21 Jun 2017 1:04

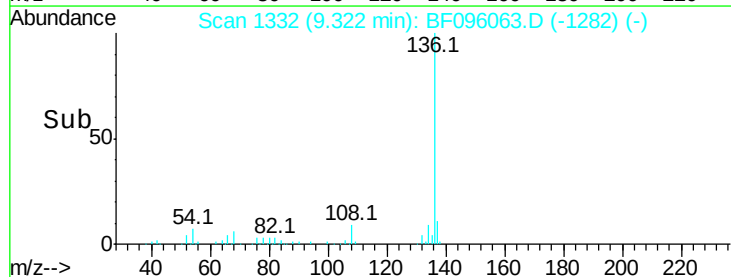
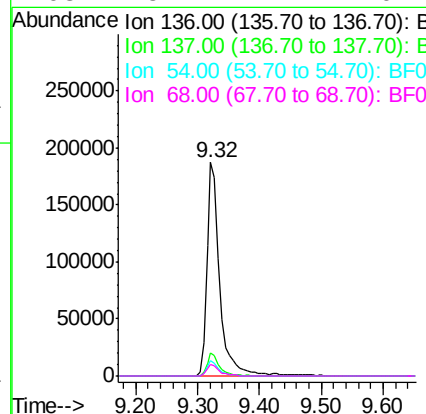
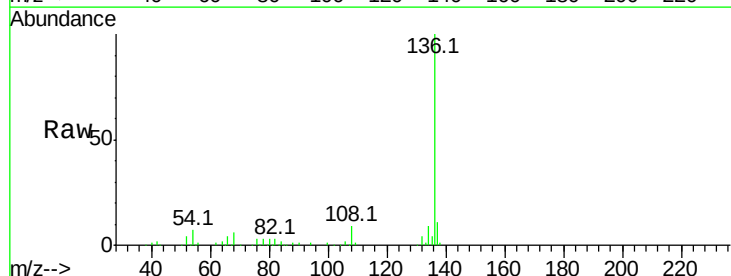
Instrument :
BNA_F
ClientSampleId :

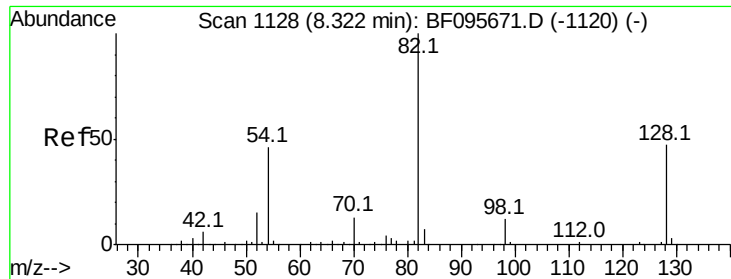
Tot Ion: 70 Resp: 48204
Ion Ratio Lower Upper
70 100
42 44.2 47.2 70.8#
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.32 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF096063.D
Acq: 21 Jun 2017 1:04

Tgt Ion:136 Resp: 274642
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.0 4.9 7.3
68 5.7 4.1 6.1

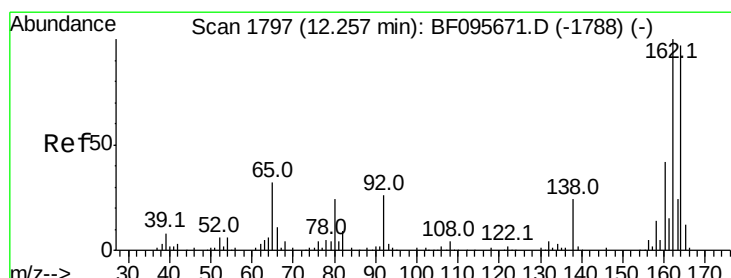
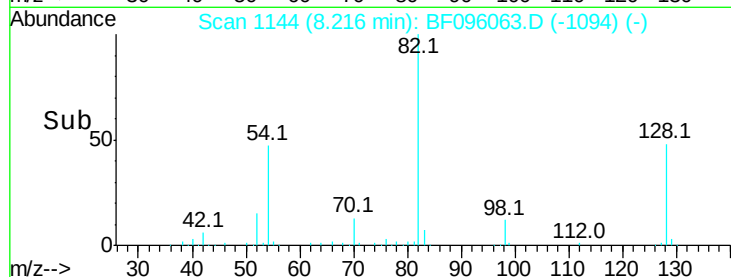
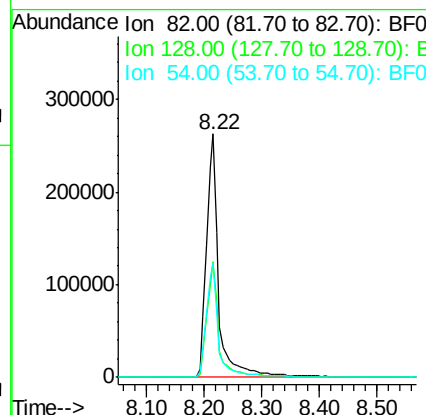
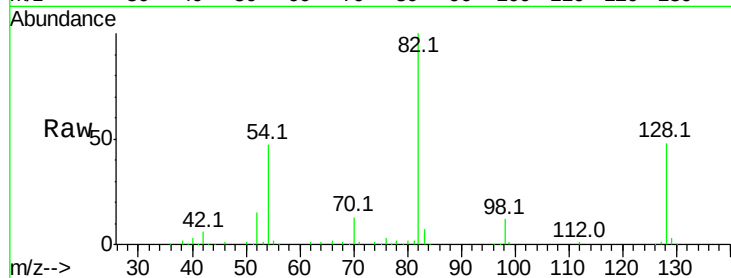




#23
 Nitrobenzene-d5
 Concen: 89.43 ng
 RT: 8.22 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

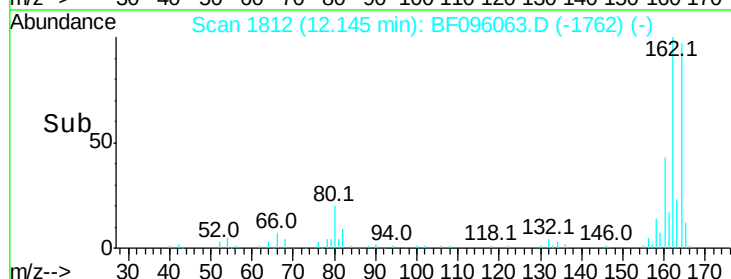
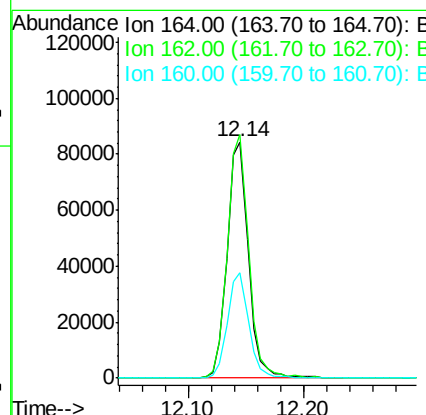
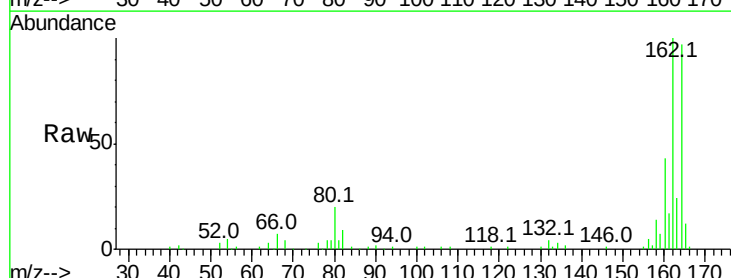
Instrument :
 BNA_F
 ClientSampleId :

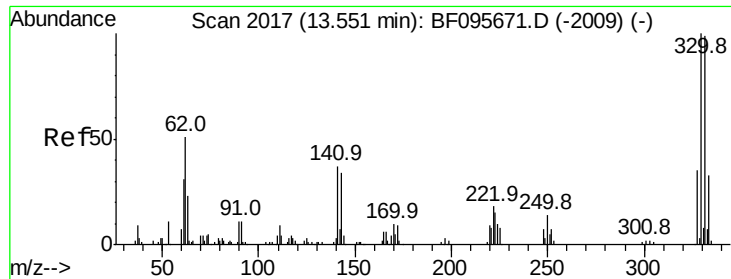
Tot Ion: 82 Resp: 395478
 Ion Ratio Lower Upper
 82 100
 128 47.7 34.0 51.0
 54 46.9 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.14 min Scan# 1812
 Delta R.T. -0.01 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

Tgt Ion:164 Resp: 107670
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.6 123.8
 160 44.4 36.2 54.2

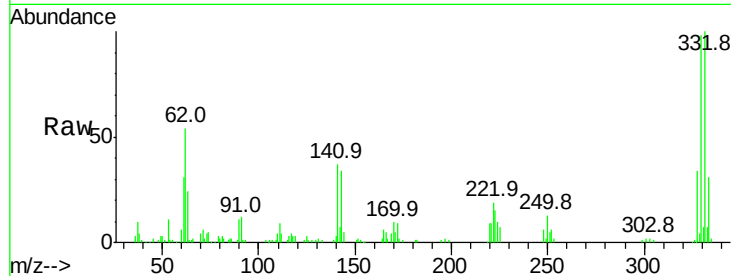




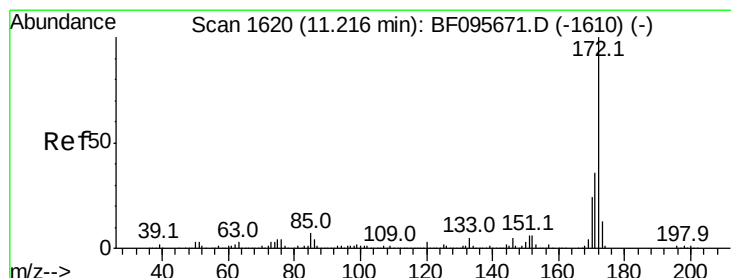
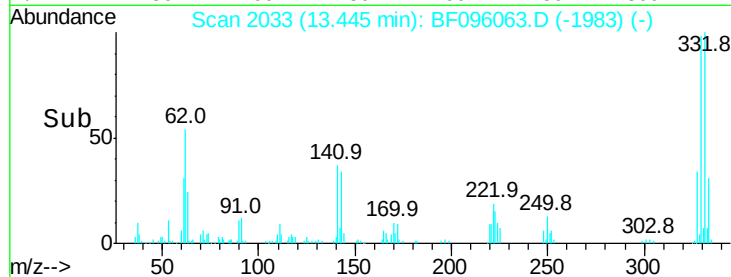
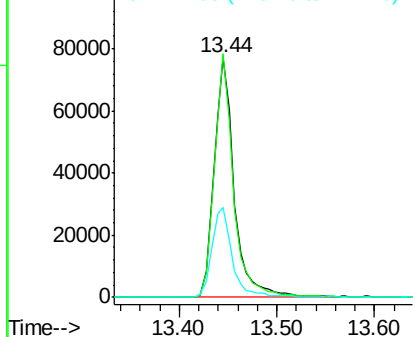
#41
 2,4,6-Tribromophenol
 Concen: 114.85 ng
 RT: 13.44 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 109409
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 115.0
 141 38.0 31.4 47.2

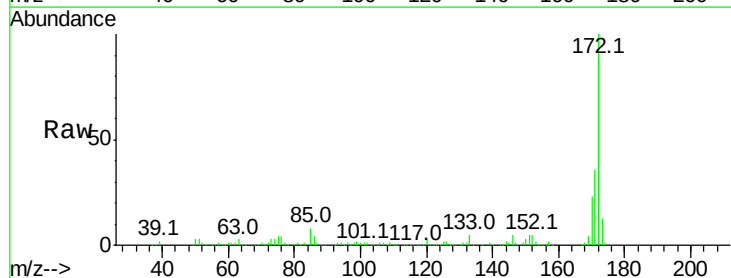


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

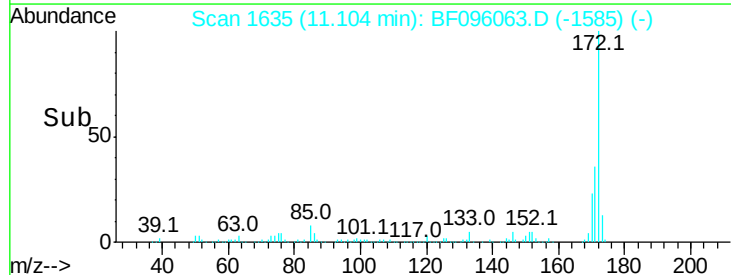
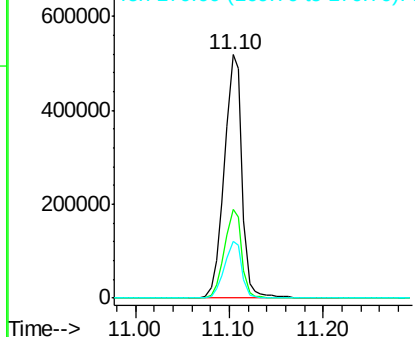


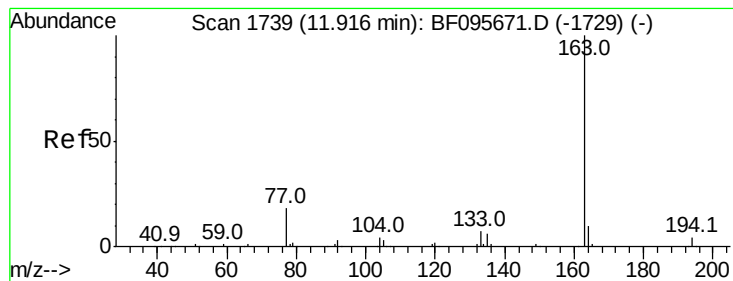
#44
 2-Fluorobiphenyl
 Concen: 88.35 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

Tgt Ion:172 Resp: 683559
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.2 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: 11.98 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096063.D

Acq: 21 Jun 2017 1:04

Instrument :

BNA_F

ClientSampleId :

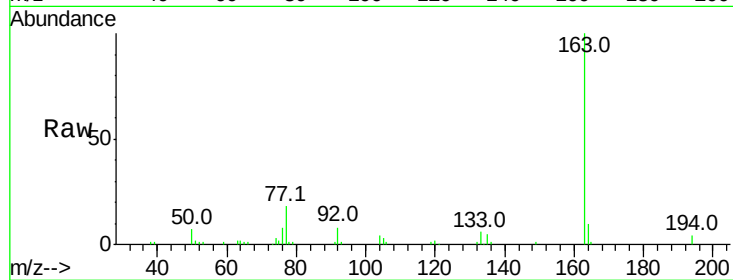
Tot Ion:163 Resp: 97942

Ion Ratio Lower Upper

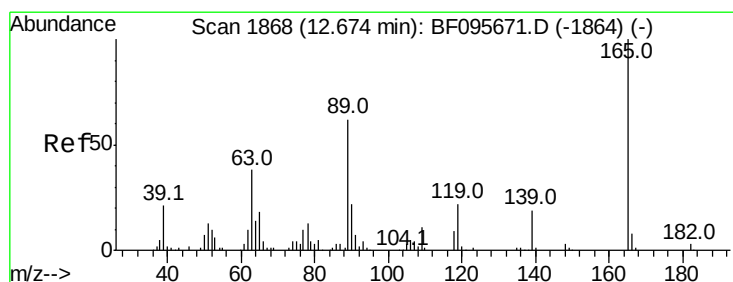
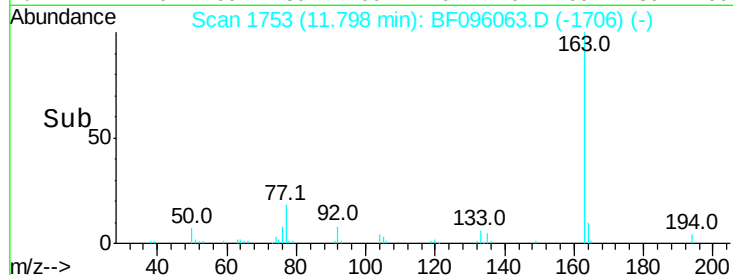
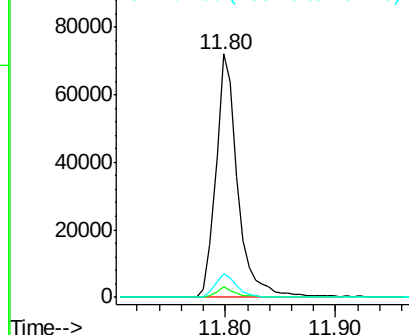
163 100

194 4.2 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: 4.75 ng

RT: 12.50 min Scan# 1873

Delta R.T. -0.13 min

Lab File: BF096063.D

Acq: 21 Jun 2017 1:04

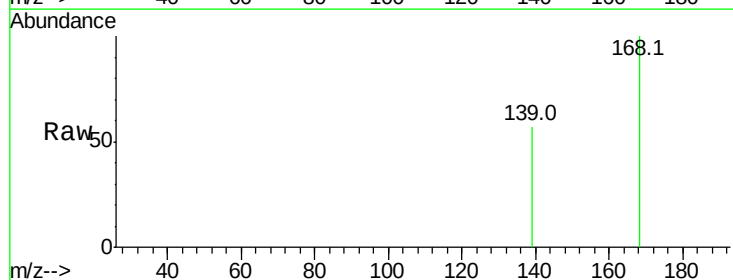
Tgt Ion:139 Resp: 152

Ion Ratio Lower Upper

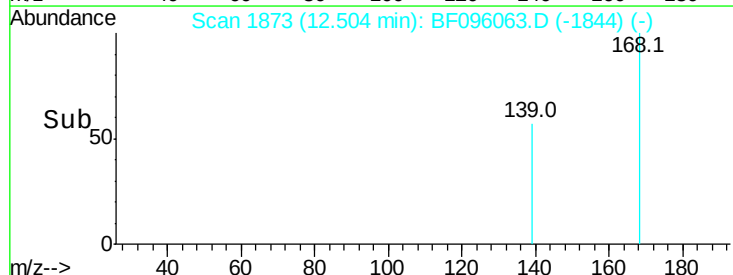
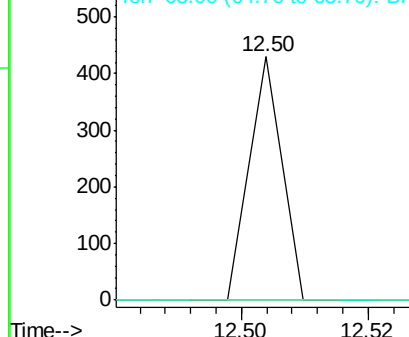
139 100

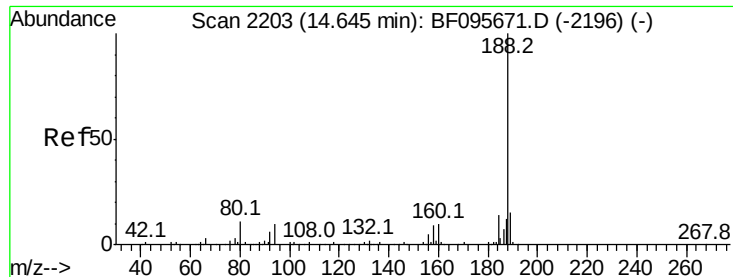
109 0.0 34.1 74.1#

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

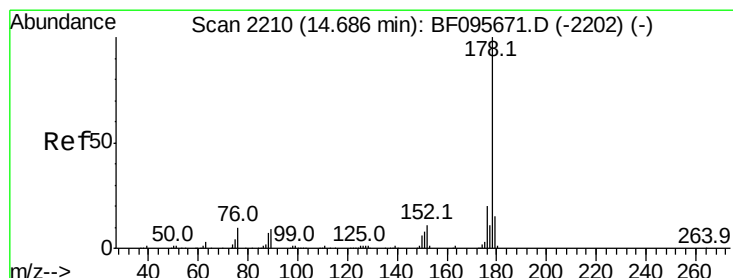
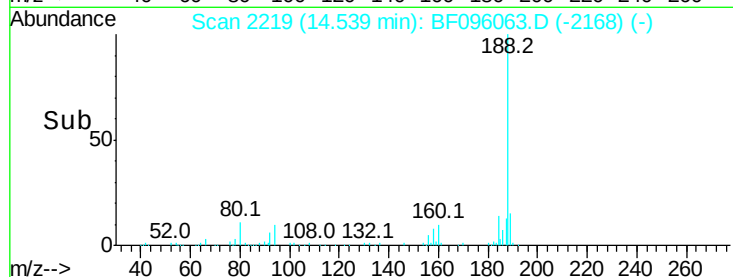
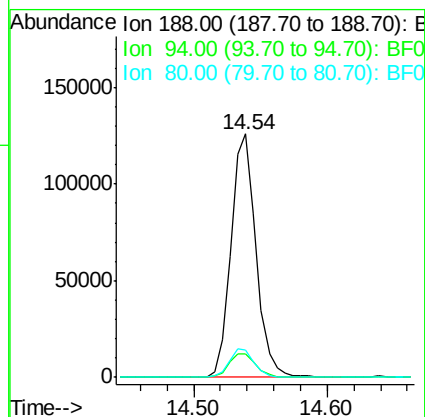
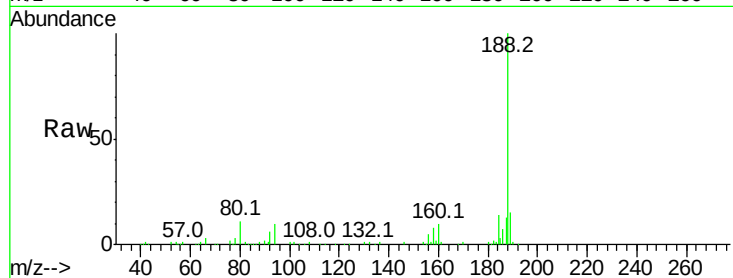




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 14.54 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

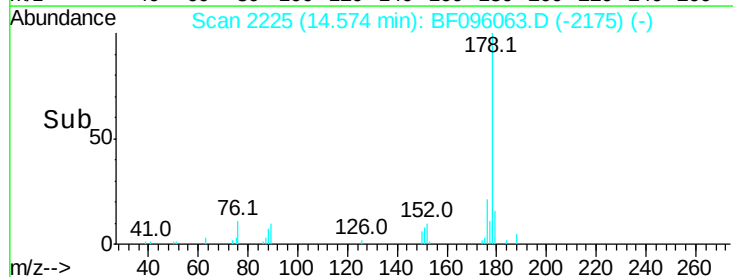
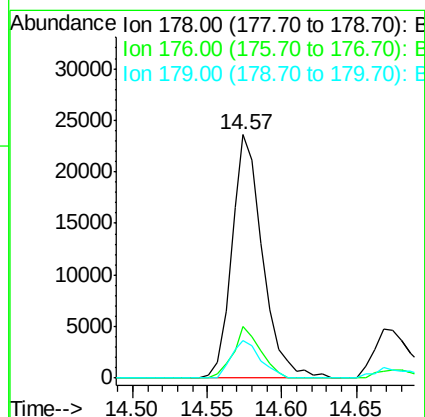
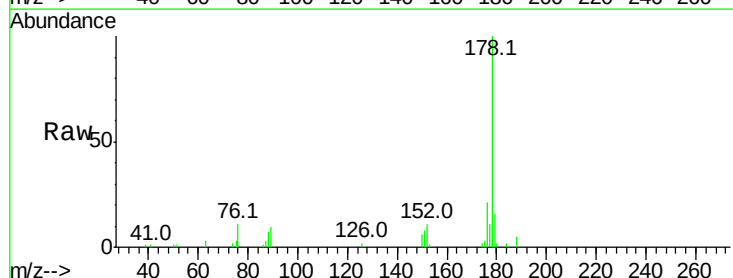
Instrument :
 BNA_F
 ClientSampleId :

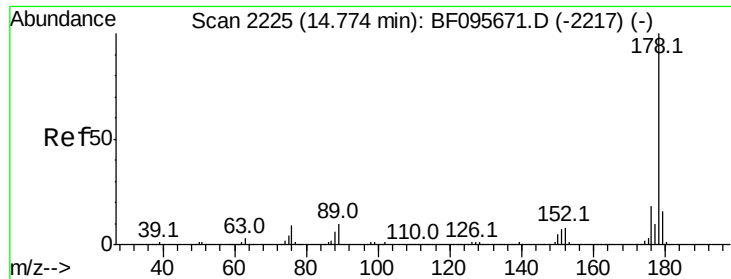
Tot Ion:188 Resp: 166077
 Ion Ratio Lower Upper
 188 100
 94 9.5 9.4 14.2
 80 11.4 10.2 15.2



#70
 Phenanthrene
 Concen: 3.54 ng
 RT: 14.57 min Scan# 2225
 Delta R.T. -0.01 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

Tgt Ion:178 Resp: 33875
 Ion Ratio Lower Upper
 178 100
 176 21.1 16.2 24.4
 179 15.6 12.6 19.0

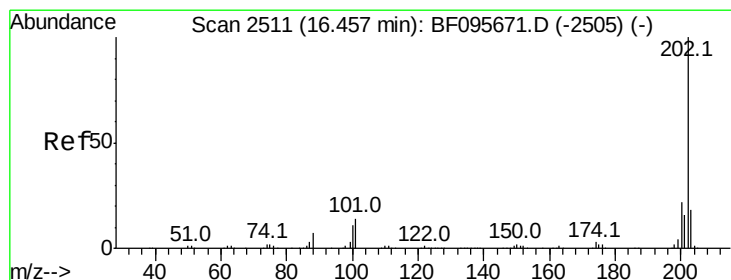
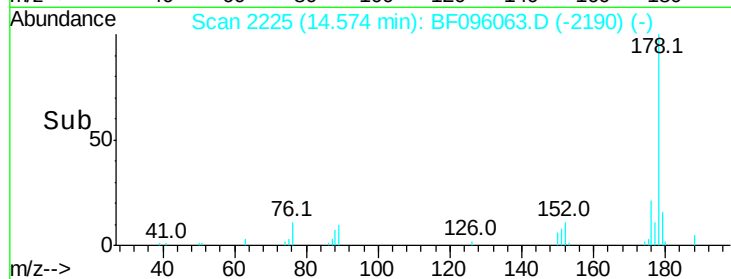
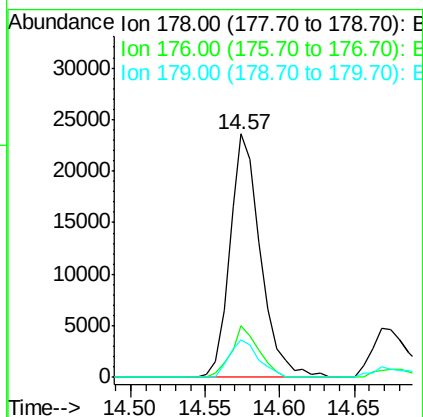
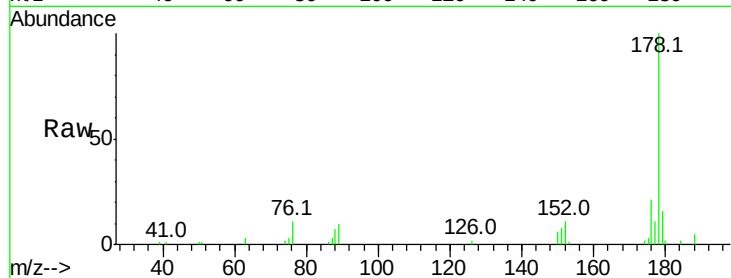




#71
 Anthracene
 Concen: 3.39 ng
 RT: 14.57 min Scan# 2225
 Delta R.T. -0.09 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

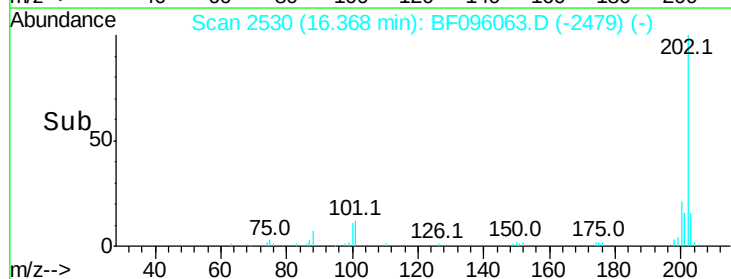
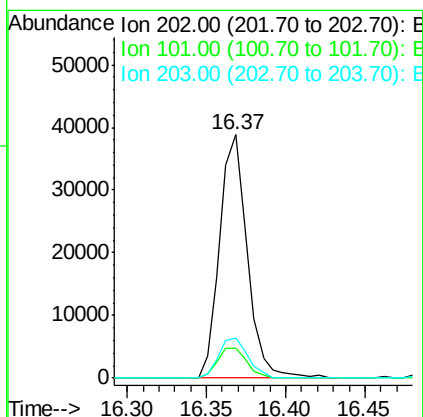
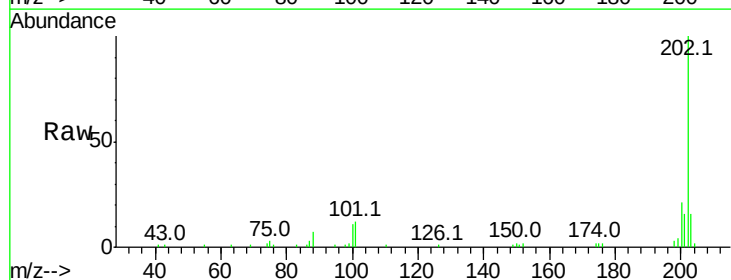
Instrument :
 BNA_F
 ClientSampleId :

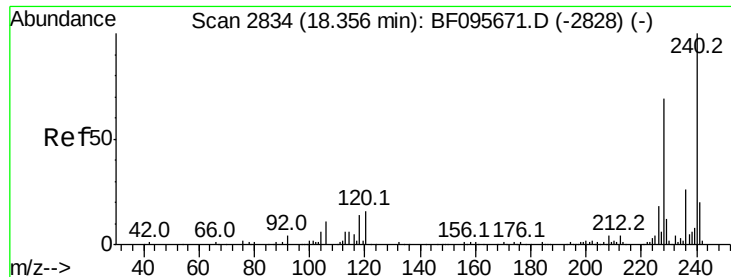
Tot Ion:178 Resp: 33875
 Ion Ratio Lower Upper
 178 100
 176 21.1 15.8 23.8
 179 15.6 12.7 19.1



#74
 Fluoranthene
 Concen: 4.97 ng
 RT: 16.37 min Scan# 2530
 Delta R.T. 0.00 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

Tgt Ion:202 Resp: 47165
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 16.4 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: BF096063.D

Acq: 21 Jun 2017 1:04

Instrument :

BNA_F

ClientSampleId :

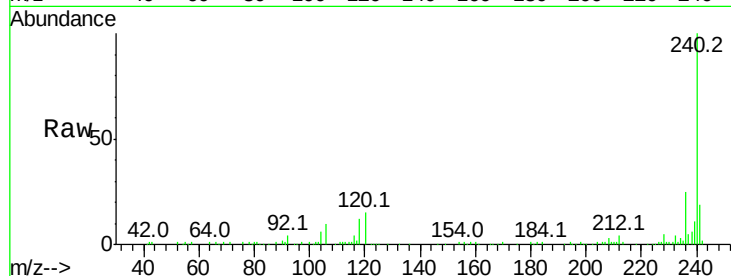
Tot Ion:240 Resp: 129561

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

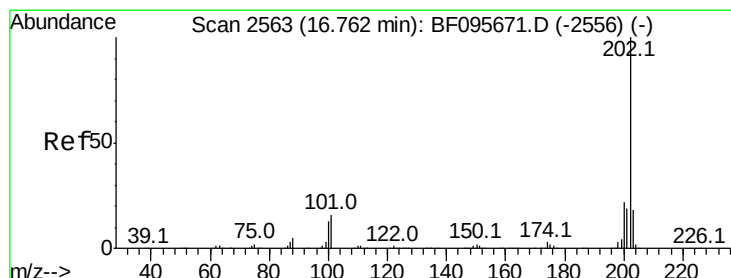
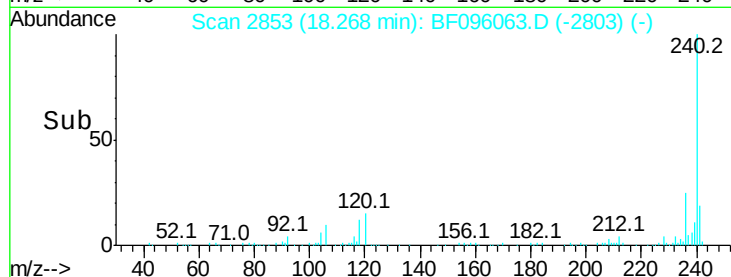
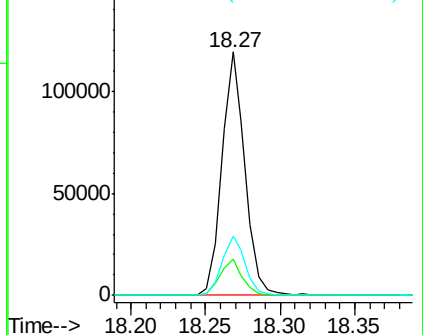
236 24.6 20.5 30.7



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: 4.49 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096063.D

Acq: 21 Jun 2017 1:04

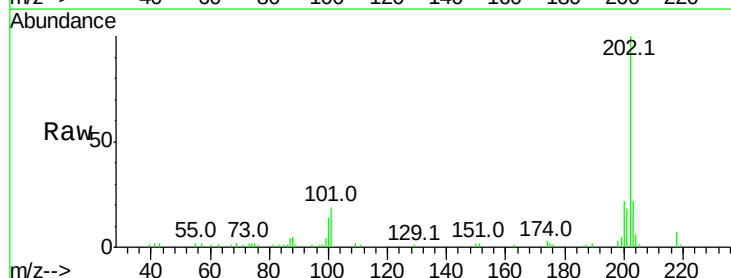
Tgt Ion:202 Resp: 43366

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

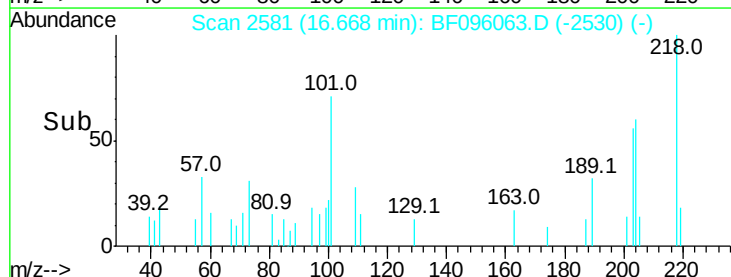
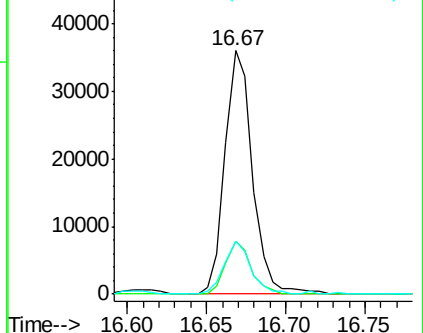
203 21.8 14.4 21.6#

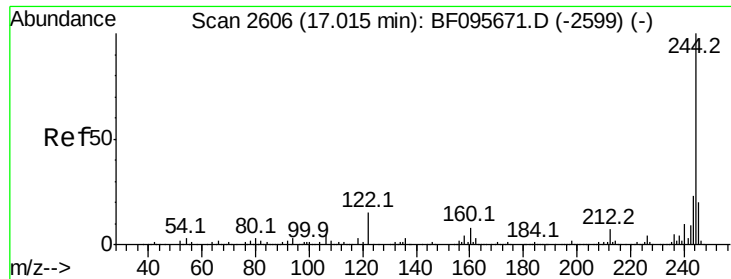


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

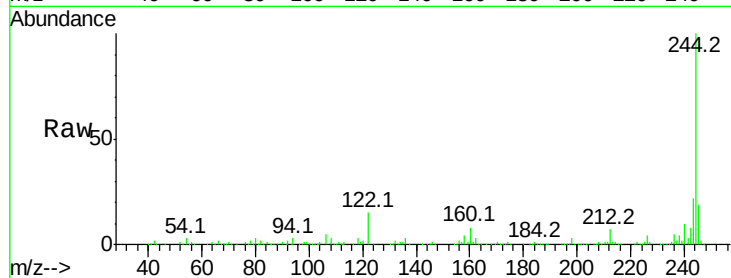




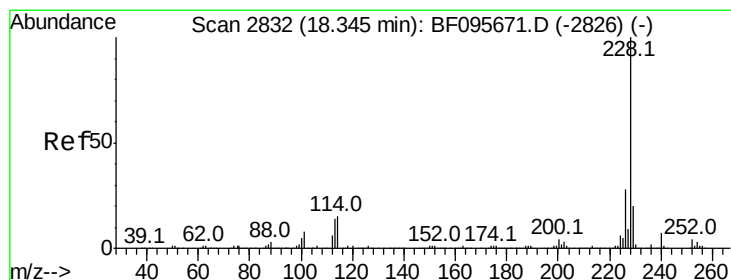
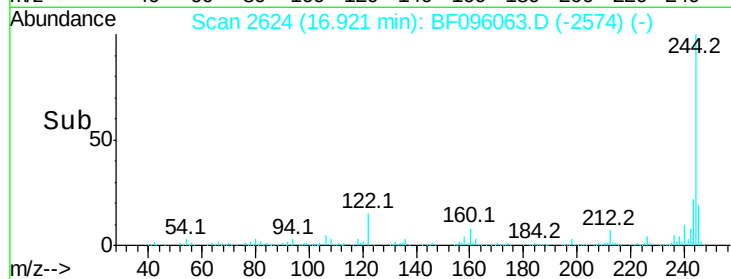
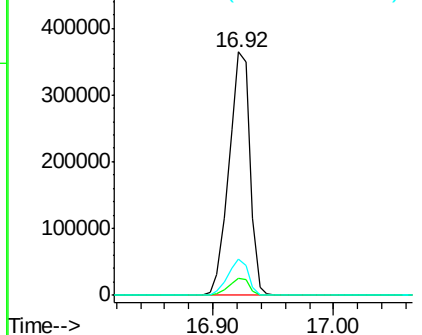
#78
 Terphenyl-d14
 Concen: 84.53 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 441278
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 15.1 10.3 15.5

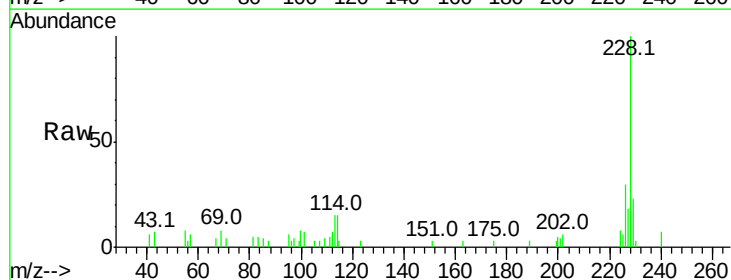


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

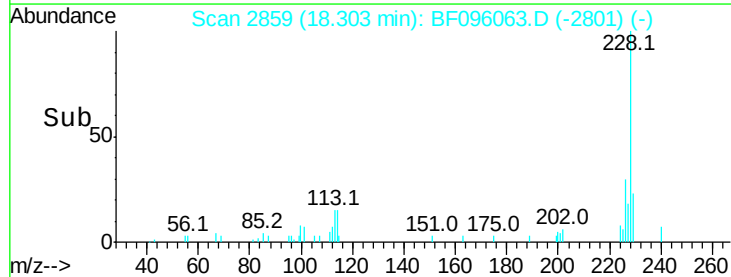
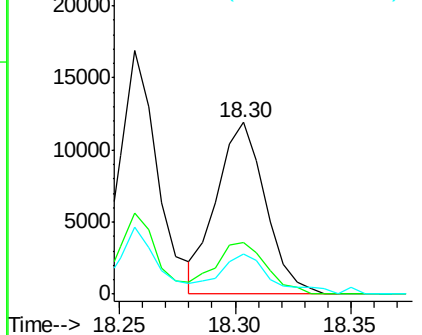


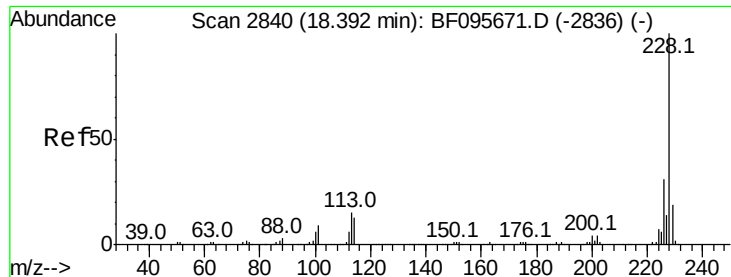
#80
 Benzo(a)anthracene
 Concen: 2.33 ng
 RT: 18.30 min Scan# 2859
 Delta R.T. 0.04 min
 Lab File: BF096063.D
 Acq: 21 Jun 2017 1:04

Tgt Ion:228 Resp: 17524
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.6 33.8
 229 23.3 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: 2.33 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096063.D

Acq: 21 Jun 2017 1:04

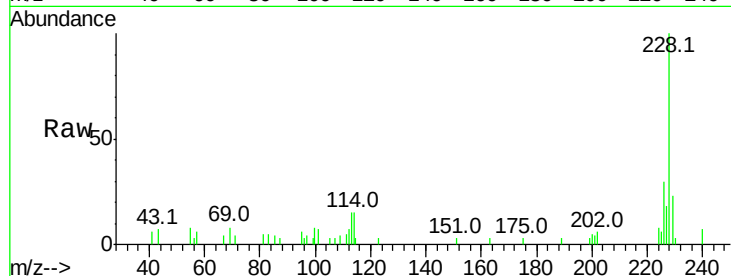
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 17524

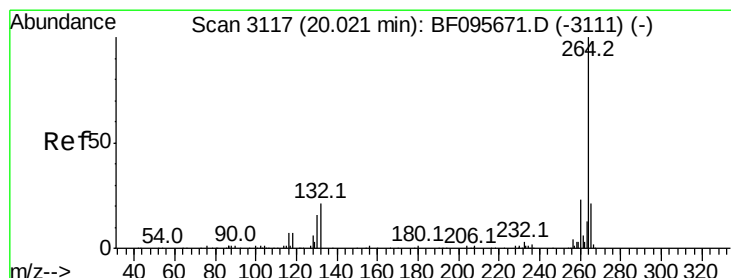
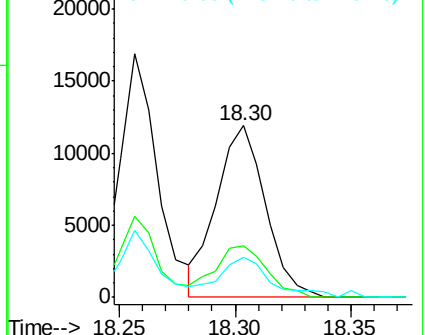
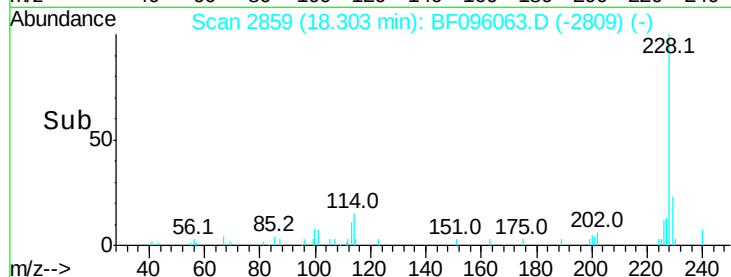
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	23.3	15.8	23.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.94 min Scan# 3138

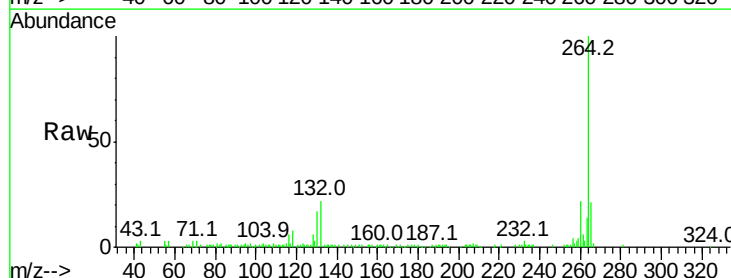
Delta R.T. 0.01 min

Lab File: BF096063.D

Acq: 21 Jun 2017 1:04

Tgt Ion:264 Resp: 95831

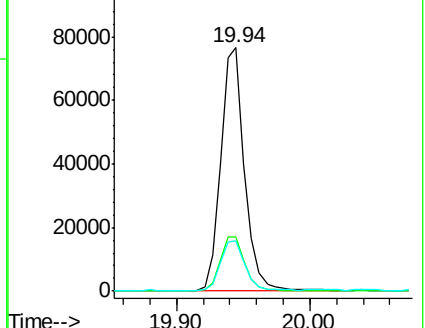
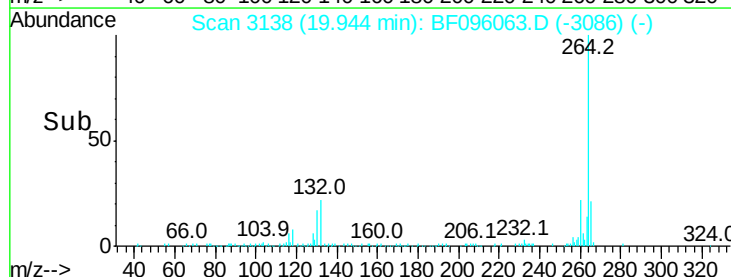
Ion	Ratio	Lower	Upper
264	100		
260	22.2	19.5	29.3
265	20.9	17.2	25.8

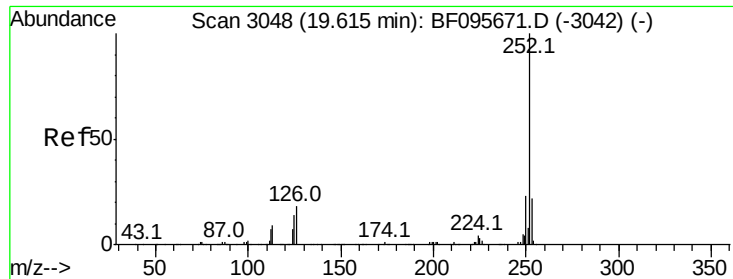


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

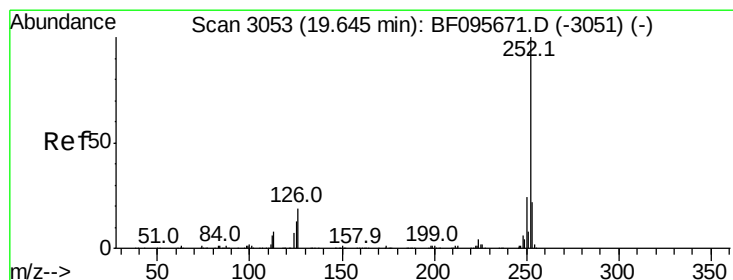
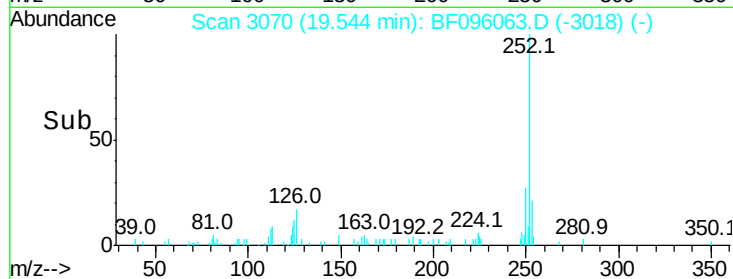
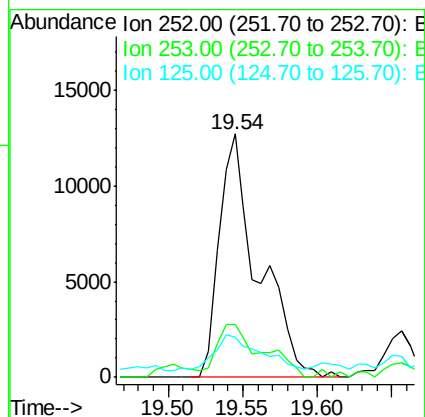
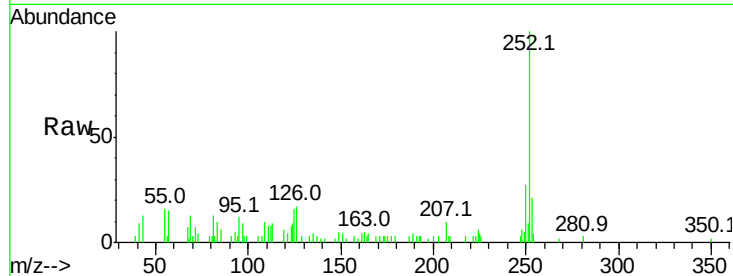




#87
Benzo(b)fluoranthene
Concen: 3.87 ng
RT: 19.54 min Scan# 3070
Delta R.T. 0.01 min
Lab File: BF096063.D
Acq: 21 Jun 2017 1:04

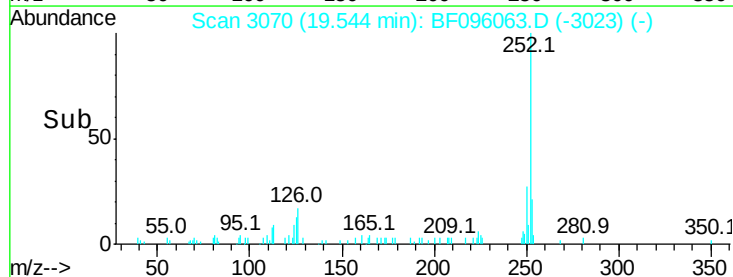
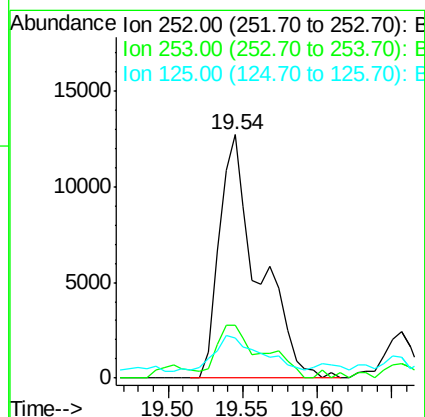
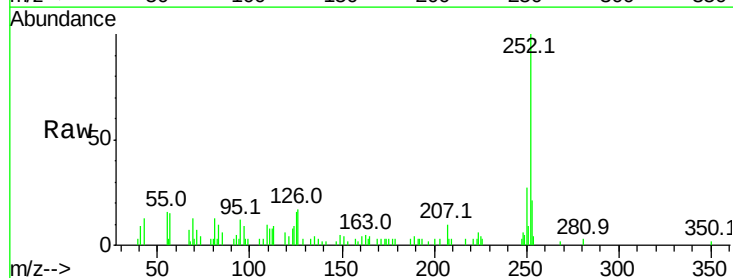
Instrument :
BNA_F
ClientSampleId :

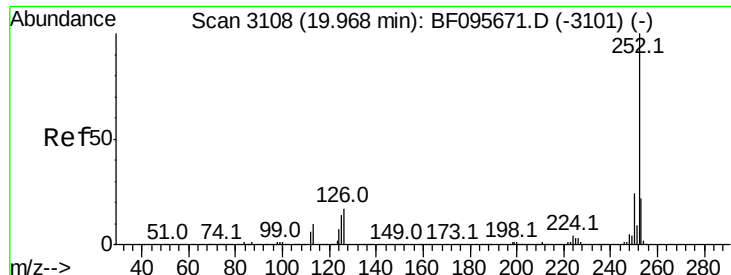
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	16.3	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 4.05 ng
RT: 19.54 min Scan# 3070
Delta R.T. -0.02 min
Lab File: BF096063.D
Acq: 21 Jun 2017 1:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.4	27.6
125	16.3	13.1	19.7





#89

Benzo(a)pyrene

Concen: 2.21 ng

RT: 19.89 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BF096063.D

Acq: 21 Jun 2017 1:04

Instrument :

BNA_F

ClientSampleId :

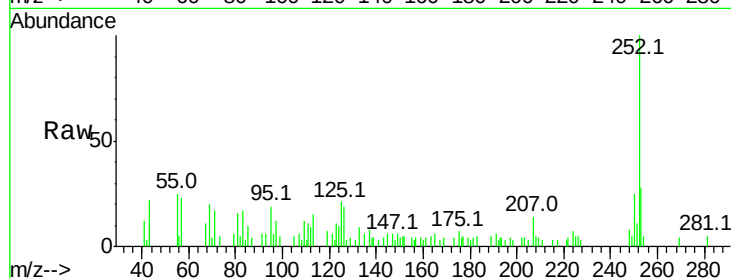
Tot Ion:252 Resp: 12173

Ion Ratio Lower Upper

252 100

253 28.0 17.5 26.3#

125 21.4 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

