

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062117\
 Data File : BF096089.D
 Acq On : 21 Jun 2017 17:42
 Operator : SJ/MA
 Sample : I3736-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G21-1.5-3

Quant Time: Jun 22 01:04:35 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

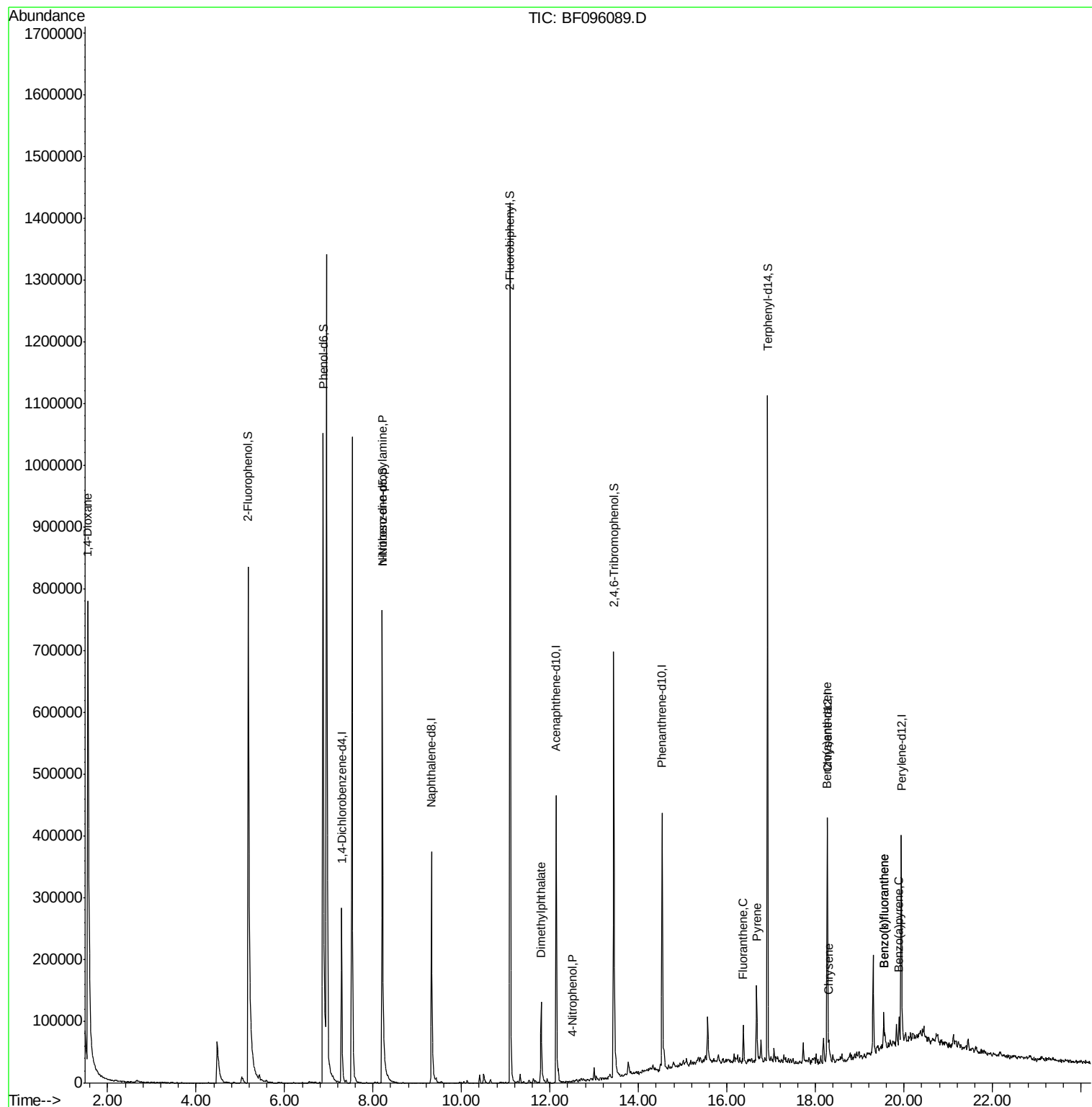
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	72103	20.00	ng	0.00
21) Naphthalene-d8	9.32	136	298526	20.00	ng	0.00
38) Acenaphthene-d10	12.14	164	136778	20.00	ng	-0.01
63) Phenanthrene-d10	14.53	188	226727	20.00	ng	0.00
75) Chrysene-d12	18.27	240	156671	20.00	ng	0.00
86) Perylene-d12	19.94	264	142564	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	596844	131.90	ng	0.00
7) Phenol-d6	6.87	99	775810	143.21	ng	0.00
23) Nitrobenzene-d5	8.21	82	458482	95.38	ng	-0.01
41) 2,4,6-Tribromophenol	13.44	330	130232	107.61	ng	-0.01
44) 2-Fluorobiphenyl	11.10	172	708352	72.07	ng	0.00
78) Terphenyl-d14	16.92	244	423571	67.10	ng	0.00
Target Compounds						
2) 1,4-Dioxane	1.56	88	39465	18.33	ng	# 21
19) n-Nitroso-di-n-propylamine	8.21	70	55442	16.15	ng	# 74
49) Dimethylphthalate	11.80	163	92744	8.93	ng	99
55) 4-Nitrophenol	12.52	139	257	4.78	ng	# 43
74) Fluoranthene	16.37	202	34372	2.65	ng	99
77) Pyrene	16.67	202	35229	3.01	ng	# 93
80) Benzo(a)anthracene	18.26	228	19699	2.16	ng	93
82) Chrysene	18.30	228	21157	2.32	ng	# 93
87) Benzo(b)fluoranthene	19.54	252	39286	4.40	ng	# 95
88) Benzo(k)fluoranthene	19.54	252	39286	4.60	ng	98
89) Benzo(a)pyrene	19.89	252	19226	2.34	ng	# 92

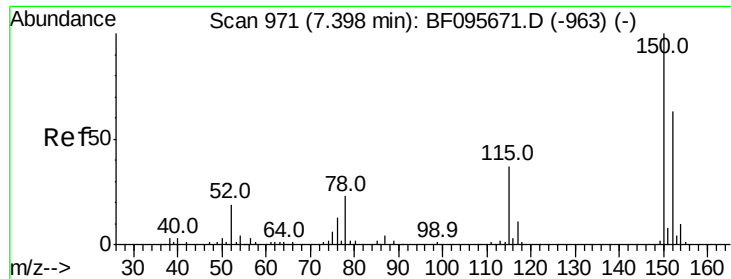
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 986

Delta R.T. -0.01 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

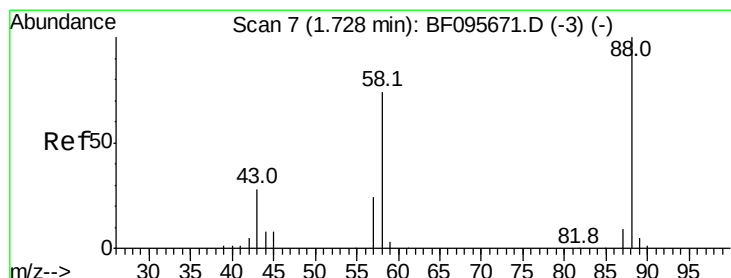
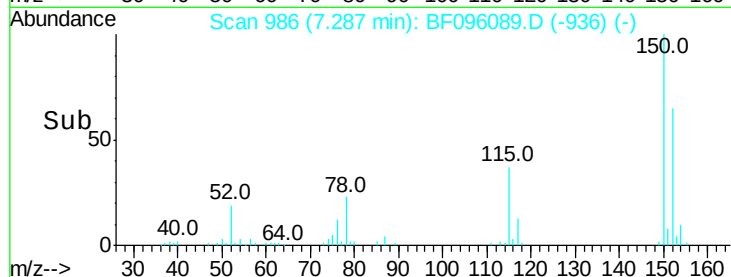
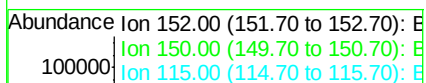
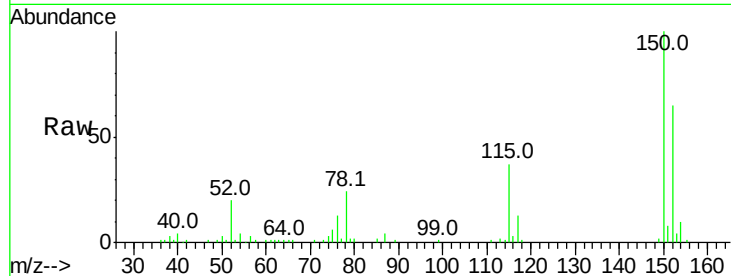
Tot Ion:152 Resp: 72103

Ion Ratio Lower Upper

152 100

150 152.8 126.2 189.2

115 56.1 52.2 78.2



#2

1,4-Dioxane

Concen: 18.33 ng

RT: 1.56 min Scan# 12

Delta R.T. -0.05 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

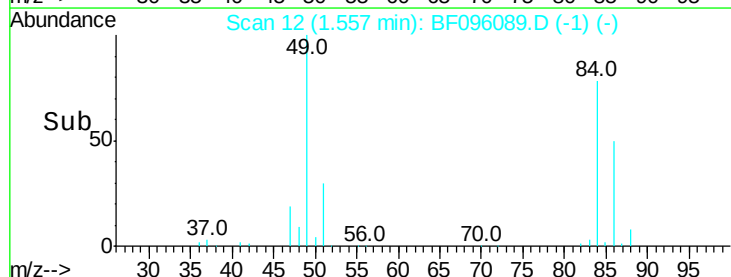
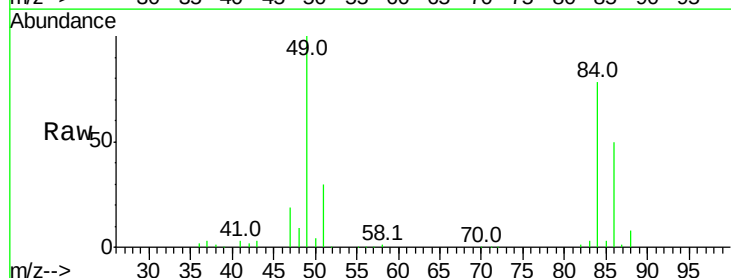
Tgt Ion: 88 Resp: 39465

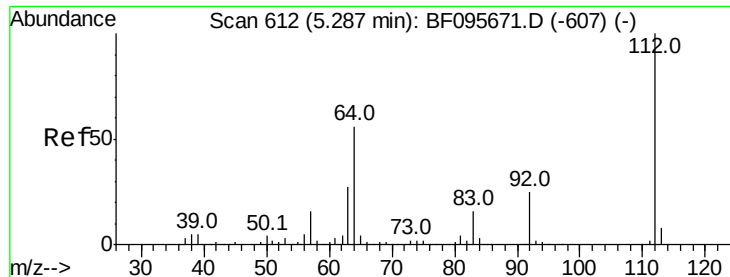
Ion Ratio Lower Upper

88 100

58 0.0 61.4 92.0#

43 0.0 23.4 35.0#





#5

2-Fluorophenol

Concen: 131.90 ng

RT: 5.18 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

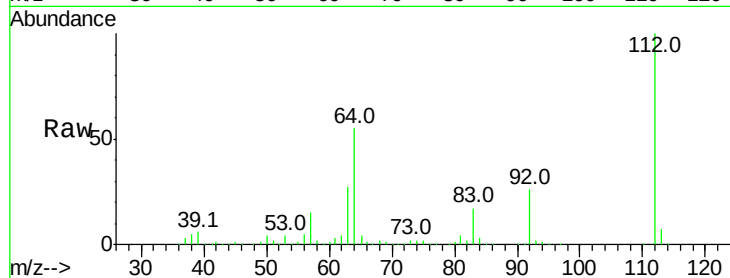
Tot Ion:112 Resp: 596844

Ion Ratio Lower Upper

112 100

64 54.8 46.0 69.0

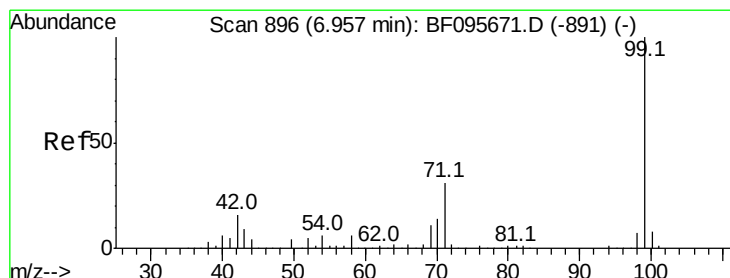
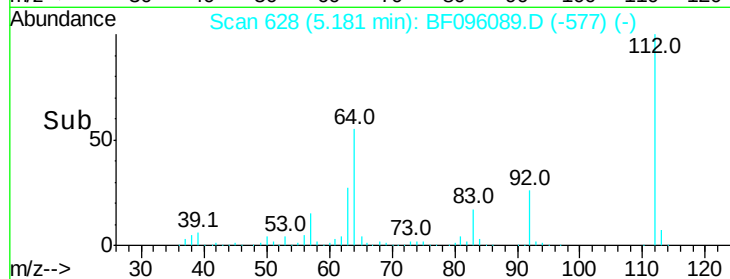
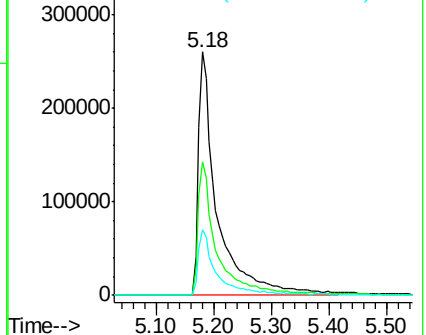
63 27.0 23.4 35.0



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: 143.21 ng

RT: 6.87 min Scan# 915

Delta R.T. -0.01 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

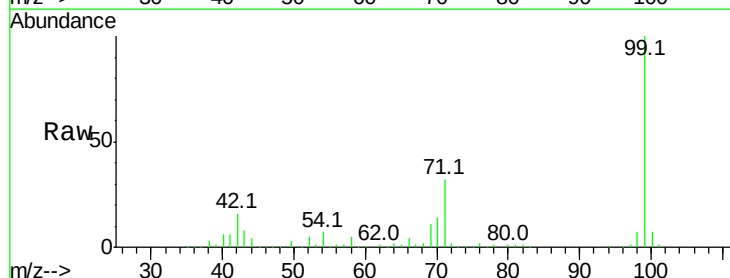
Tgt Ion: 99 Resp: 775810

Ion Ratio Lower Upper

99 100

42 15.7 13.5 20.3

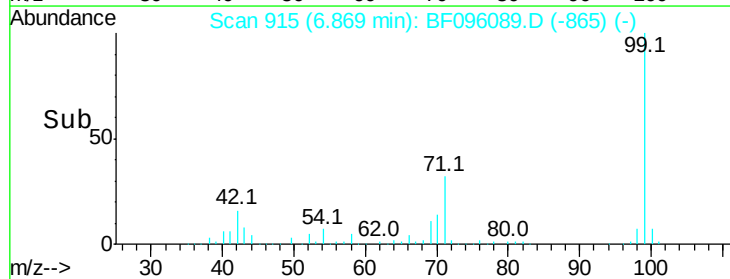
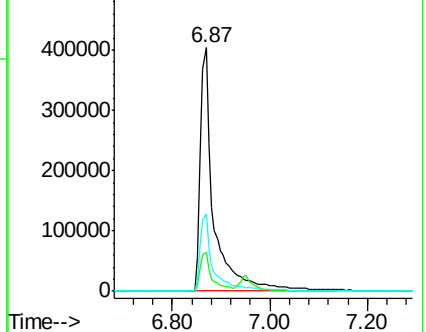
71 31.6 24.5 36.7

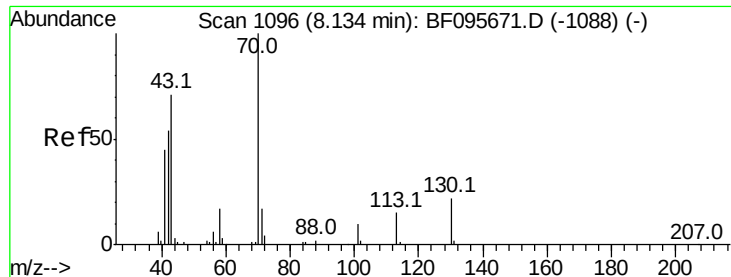


Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 16.15 ng

RT: 8.21 min Scan# 1143

Delta R.T. 0.18 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

Tot Ion: 70 Resp: 55442

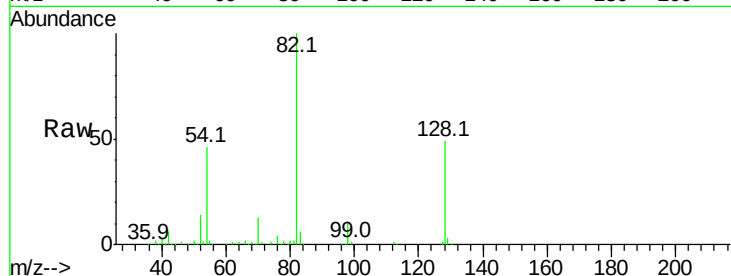
Ion Ratio Lower Upper

70 100

42 42.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

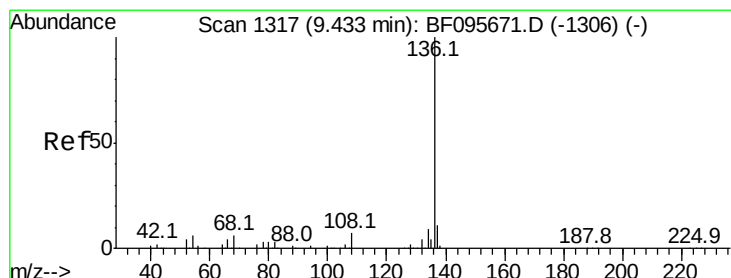
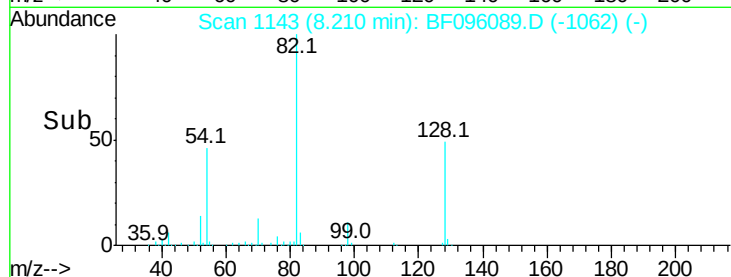
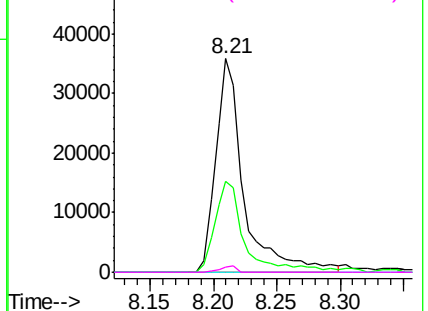


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 9.32 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Tgt Ion: 136 Resp: 298526

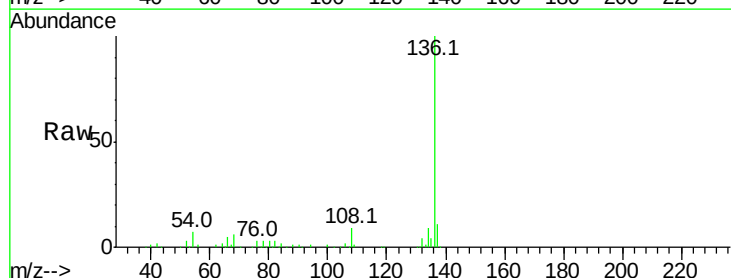
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 7.1 4.9 7.3

68 6.0 4.1 6.1

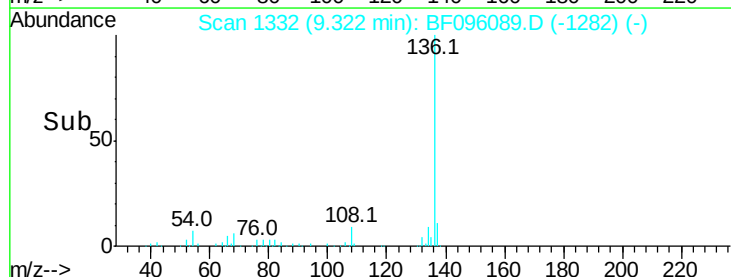
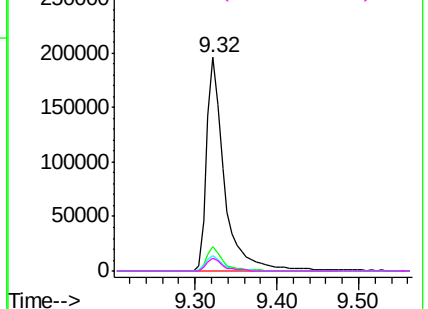


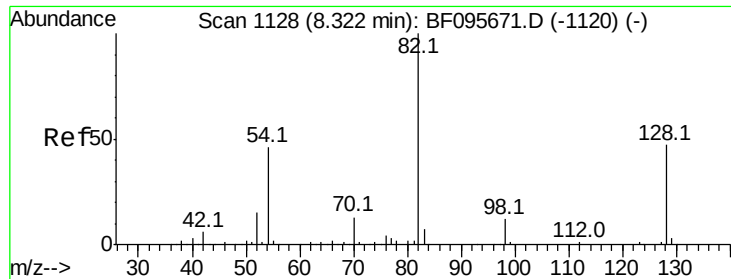
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

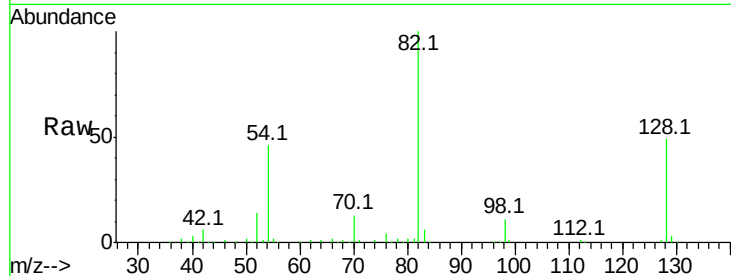




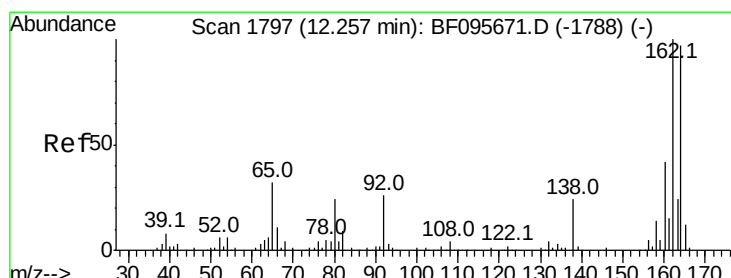
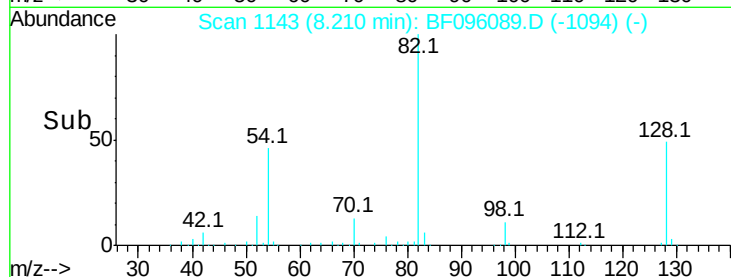
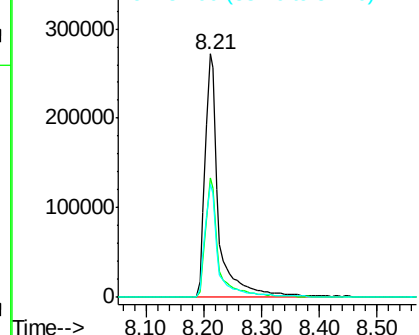
#23
Nitrobenzene-d5
Concen: 95.38 ng
RT: 8.21 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF096089.D
Acq: 21 Jun 2017 17:42

Instrument :
BNA_F
ClientSampleId :
G21-1.5-3

Tot Ion: 82 Resp: 458482
Ion Ratio Lower Upper
82 100
128 48.9 34.0 51.0
54 46.5 42.2 63.2

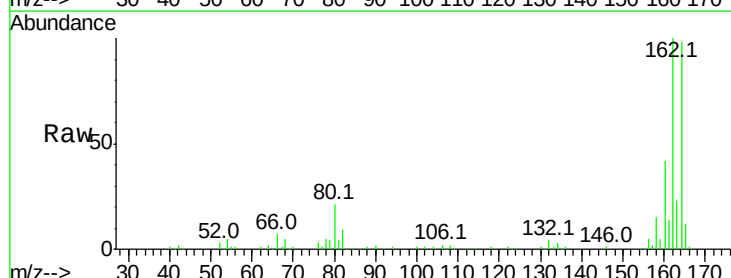


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

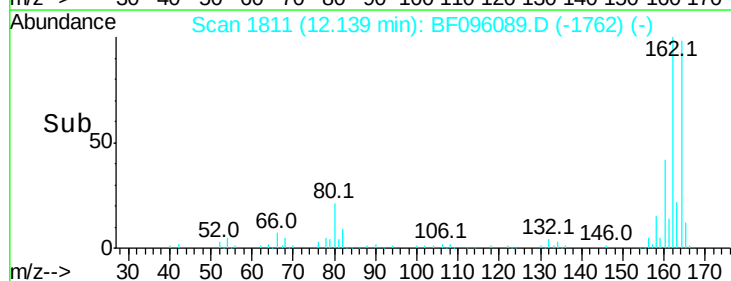
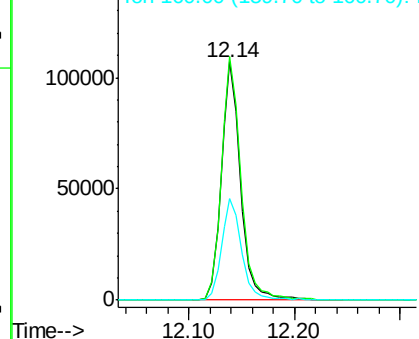


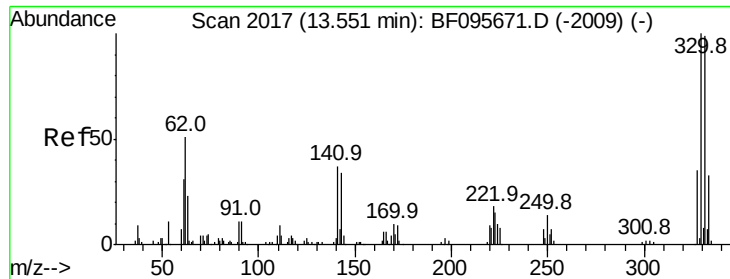
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.14 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF096089.D
Acq: 21 Jun 2017 17:42

Tgt Ion:164 Resp: 136778
Ion Ratio Lower Upper
164 100
162 102.1 82.6 123.8
160 42.7 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

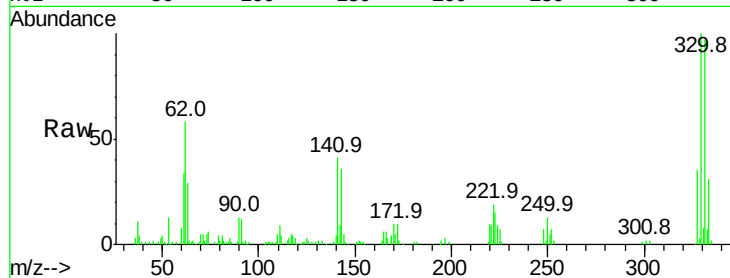




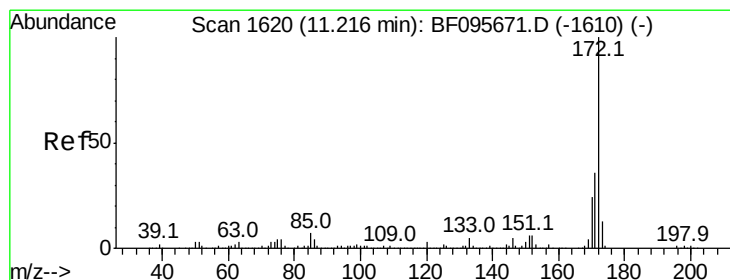
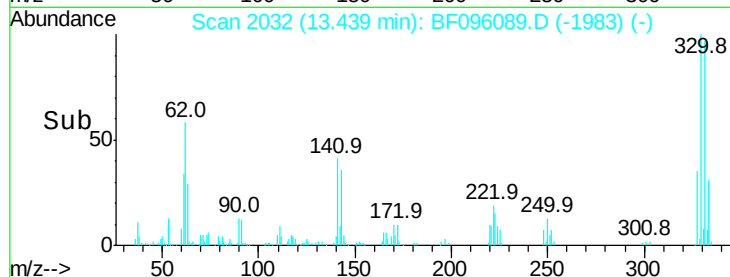
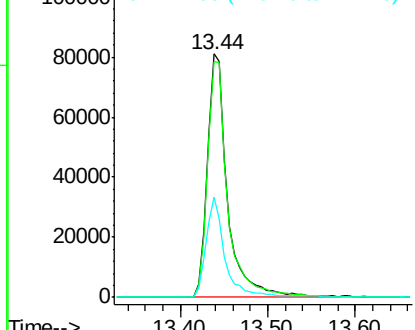
#41
 2,4,6-Tribromophenol
 Concen: 107.61 ng
 RT: 13.44 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BF096089.D
 Acq: 21 Jun 2017 17:42

Instrument :
 BNA_F
 ClientSampleId :
 G21-1.5-3

Tot Ion:330 Resp: 130232
 Ion Ratio Lower Upper
 330 100
 332 98.0 76.6 115.0
 141 38.6 31.4 47.2

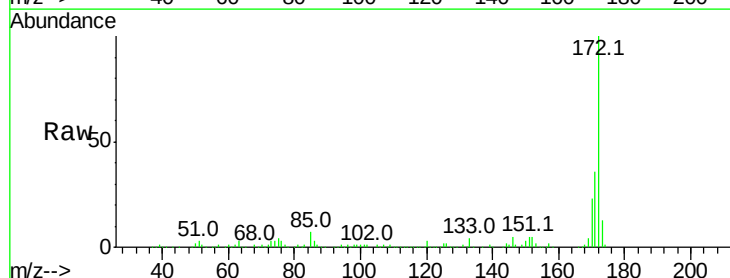


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

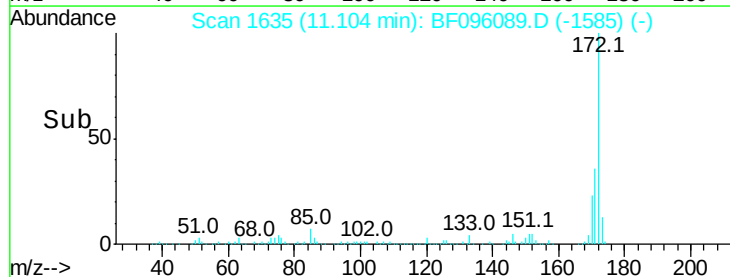
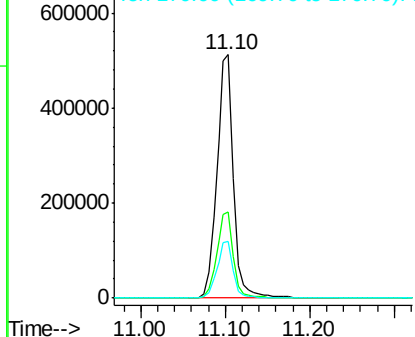


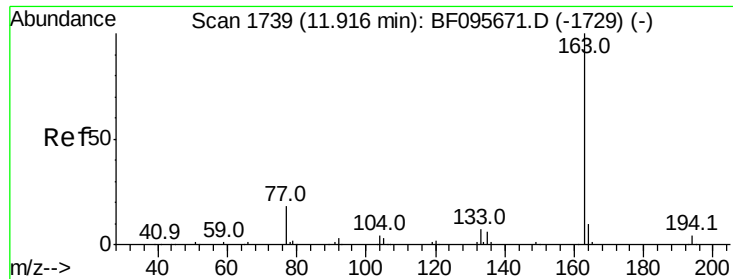
#44
 2-Fluorobiphenyl
 Concen: 72.07 ng
 RT: 11.10 min Scan# 1635
 Delta R.T. -0.01 min
 Lab File: BF096089.D
 Acq: 21 Jun 2017 17:42

Tgt Ion:172 Resp: 708352
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.6 44.4
 170 23.1 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: 8.93 ng

RT: 11.80 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

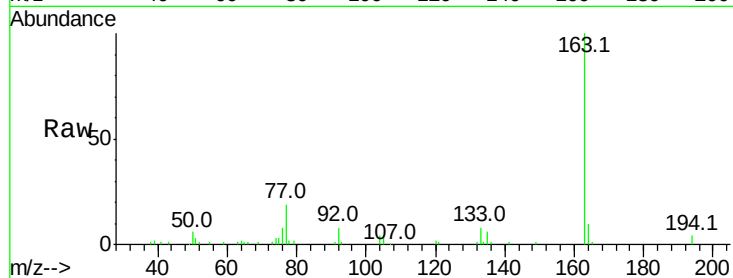
Tot Ion:163 Resp: 92744

Ion Ratio Lower Upper

163 100

194 3.8 2.6 4.0

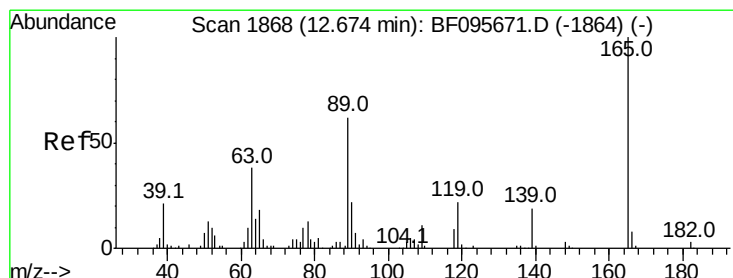
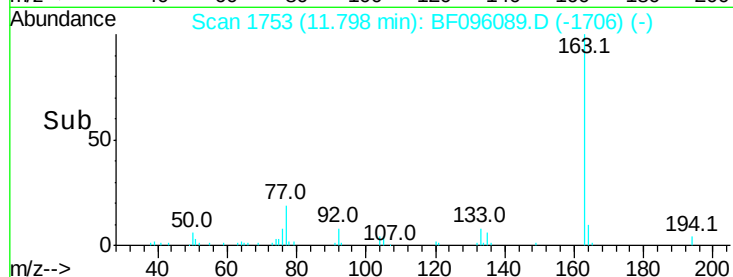
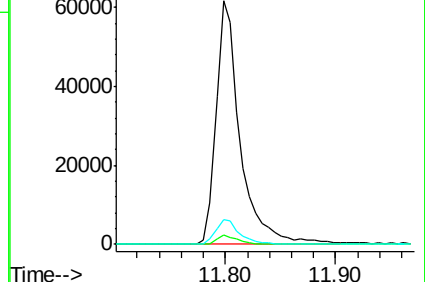
164 10.2 8.4 12.6



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: 4.78 ng

RT: 12.52 min Scan# 1875

Delta R.T. -0.12 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

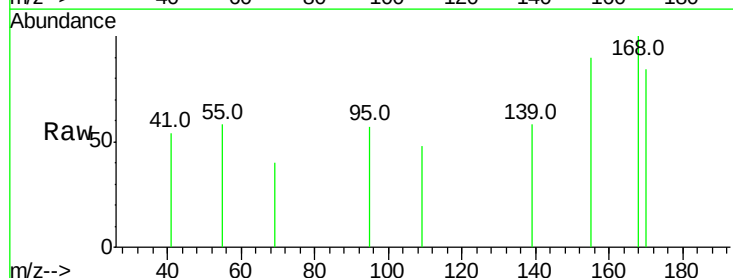
Tgt Ion:139 Resp: 257

Ion Ratio Lower Upper

139 100

109 83.4 34.1 74.1#

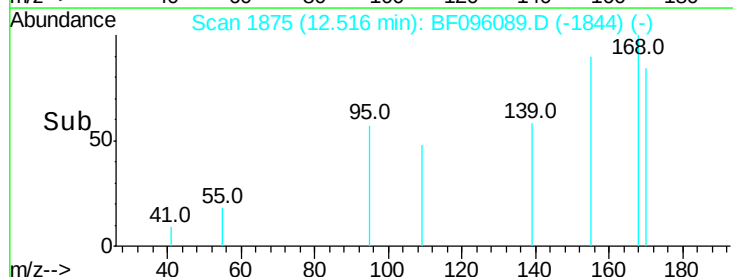
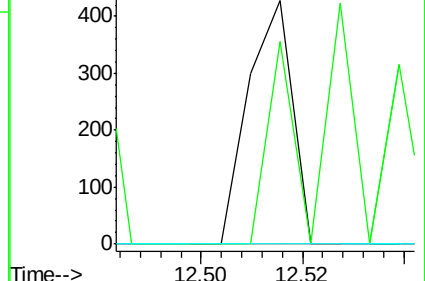
65 0.0 31.4 71.4#

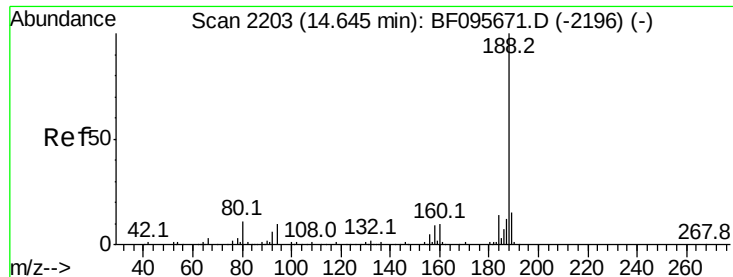


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

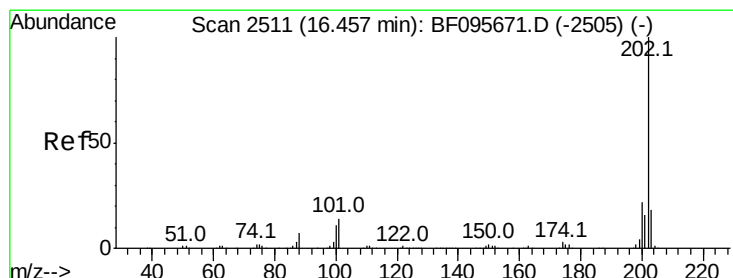
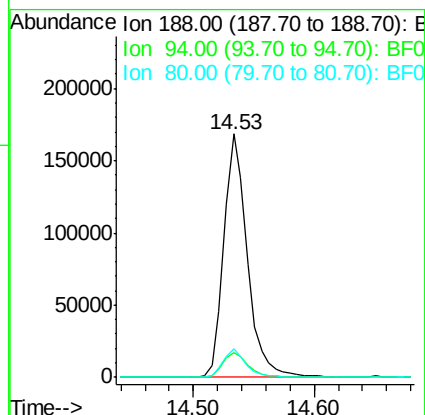
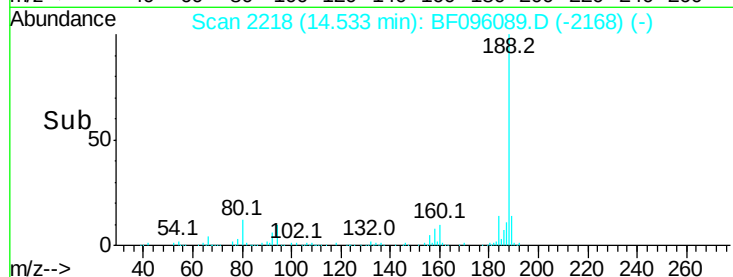
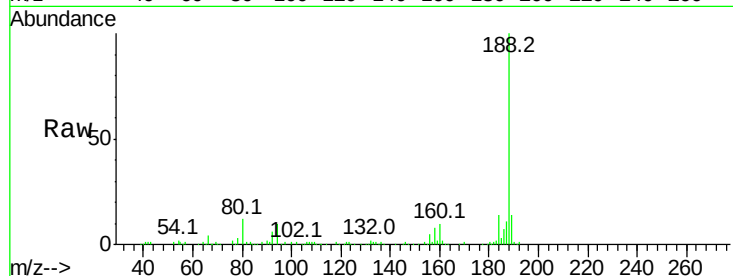




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.53 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF096089.D
Acq: 21 Jun 2017 17:42

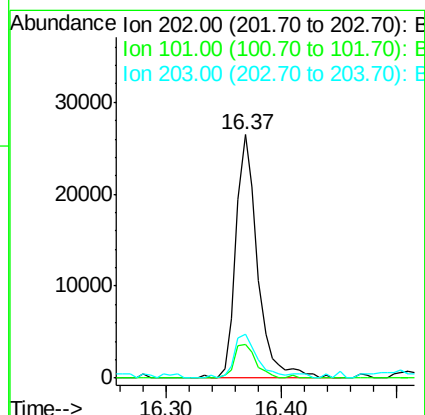
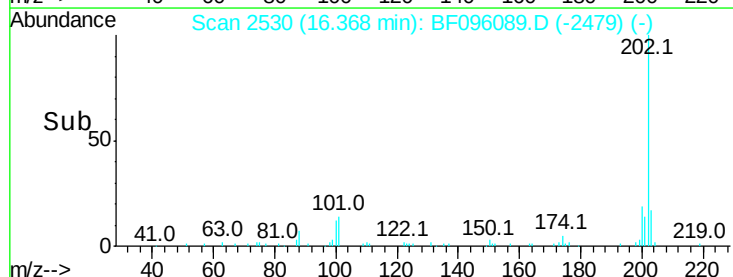
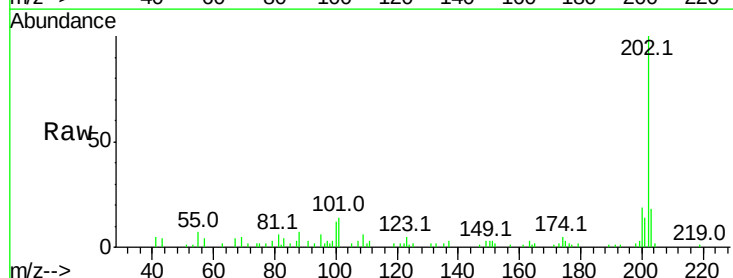
Instrument :
BNA_F
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G21-1.5-3

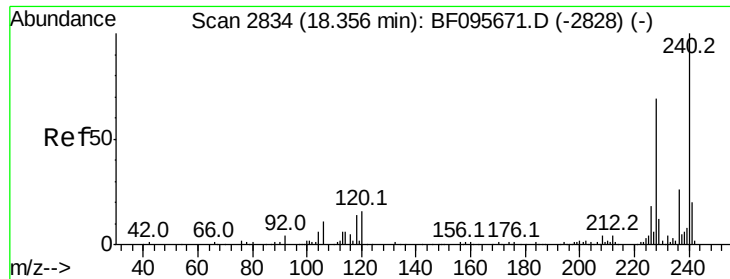
Tot Ion:188 Resp: 226727
Ion Ratio Lower Upper
188 100
94 10.1 9.4 14.2
80 11.6 10.2 15.2



#74
Fluoranthene
Concen: 2.65 ng
RT: 16.37 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BF096089.D
Acq: 21 Jun 2017 17:42

Tgt Ion:202 Resp: 34372
Ion Ratio Lower Upper
202 100
101 14.0 0.0 33.2
203 18.3 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: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

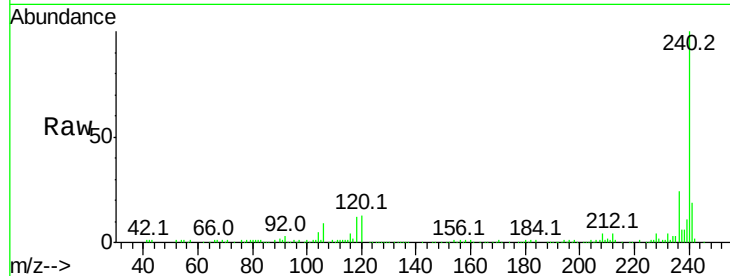
Tot Ion:240 Resp: 156671

Ion Ratio Lower Upper

240 100

120 13.3 5.8 8.8#

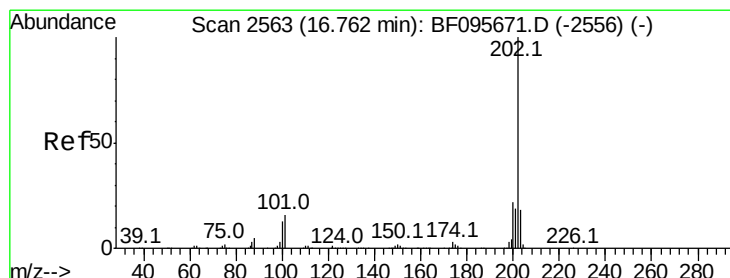
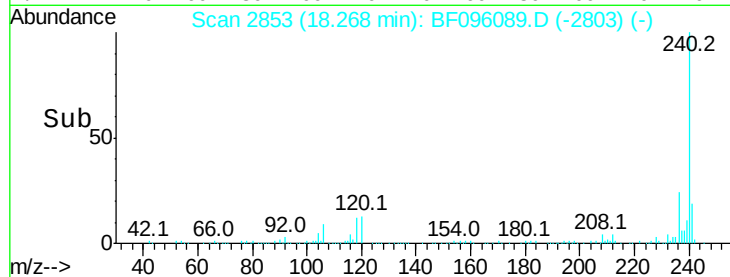
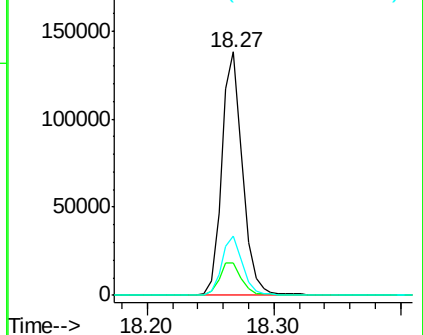
236 24.5 20.5 30.7



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: 3.01 ng

RT: 16.67 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

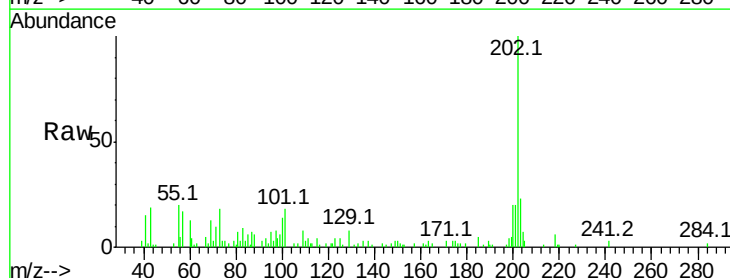
Tgt Ion:202 Resp: 35229

Ion Ratio Lower Upper

202 100

200 20.3 17.6 26.4

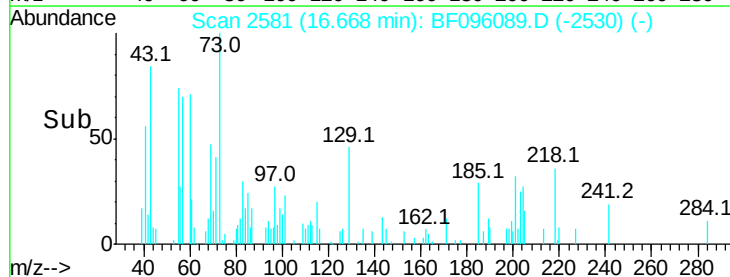
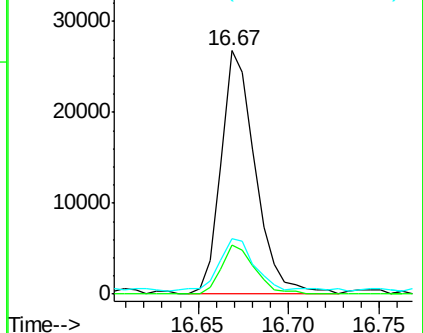
203 22.6 14.4 21.6#

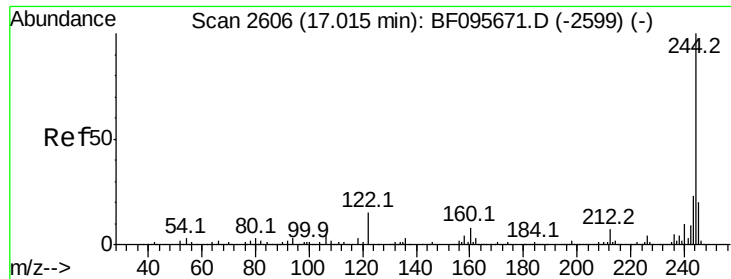


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

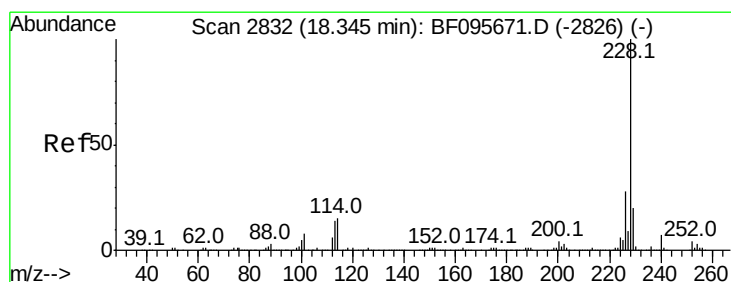
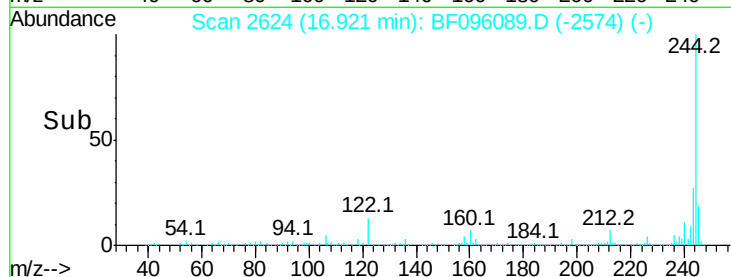
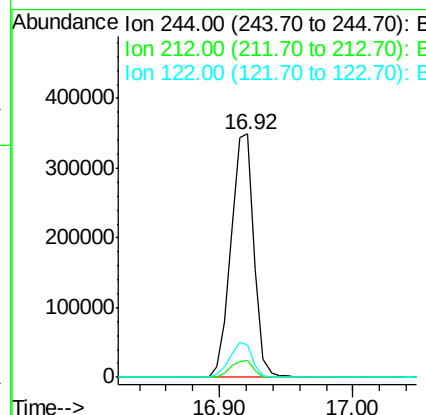
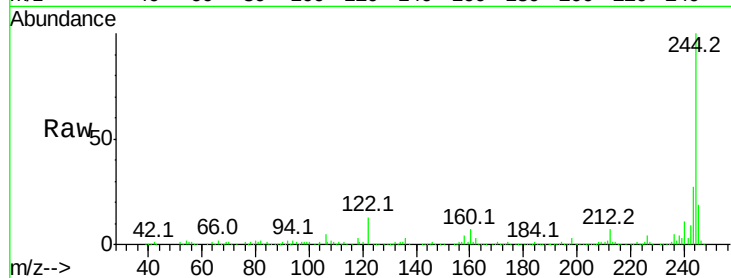




#78
 Terphenyl-d14
 Concen: 67.10 ng
 RT: 16.92 min Scan# 2624
 Delta R.T. -0.01 min
 Lab File: BF096089.D
 Acq: 21 Jun 2017 17:42

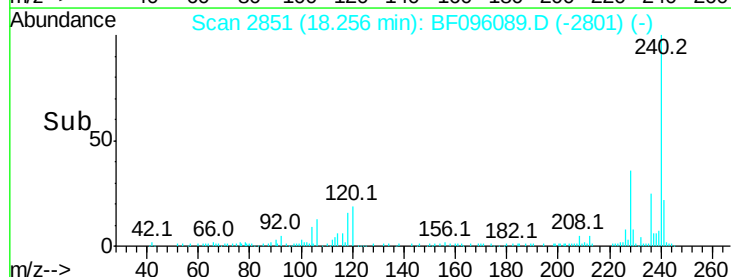
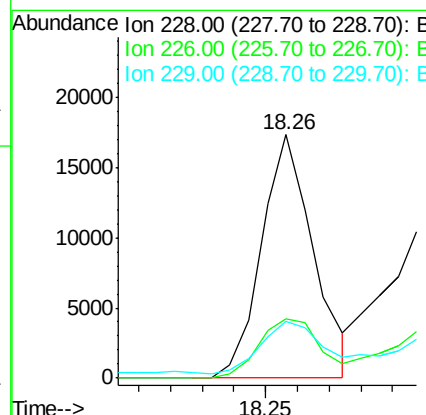
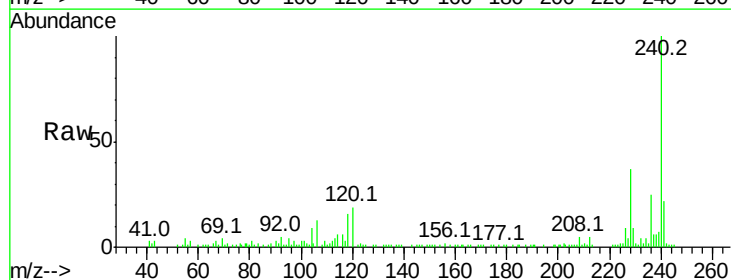
Instrument :
 BNA_F
 ClientSampleId :
 G21-1.5-3

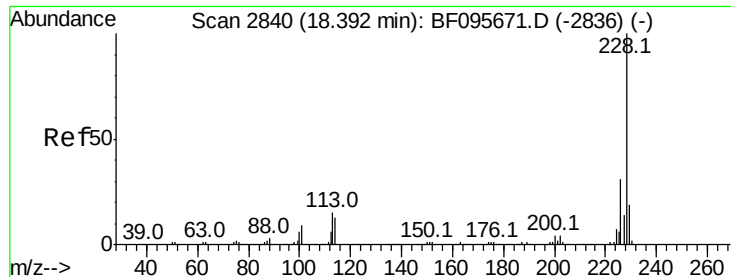
Tot Ion:244 Resp: 423571
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.16 ng
 RT: 18.26 min Scan# 2851
 Delta R.T. -0.01 min
 Lab File: BF096089.D
 Acq: 21 Jun 2017 17:42

Tgt Ion:228 Resp: 19699
 Ion Ratio Lower Upper
 228 100
 226 24.3 22.6 33.8
 229 23.1 16.3 24.5





#82

Chrysene

Concen: 2.32 ng

RT: 18.30 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

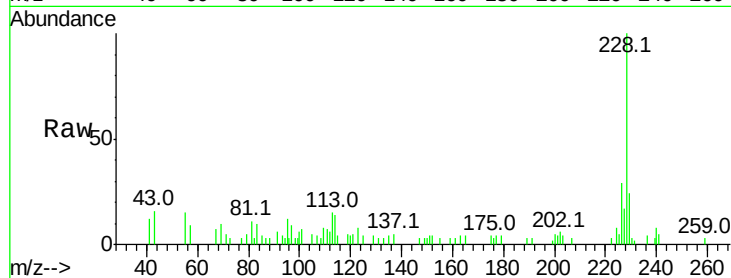
Tot Ion:228 Resp: 21157

Ion Ratio Lower Upper

228 100

226 28.6 24.9 37.3

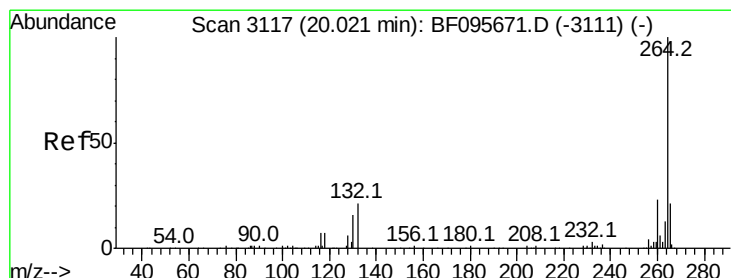
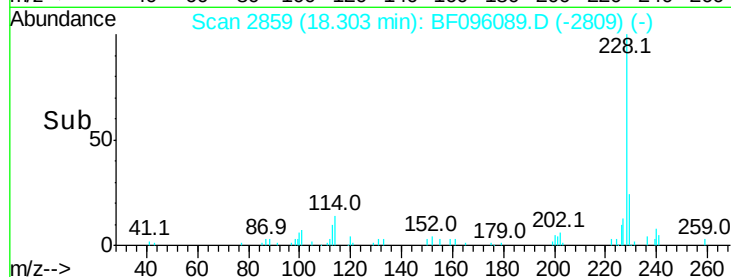
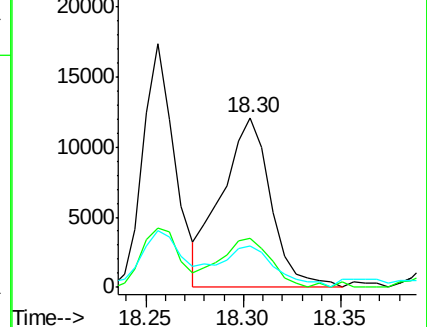
229 24.3 15.8 23.6#



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# 3137

Delta R.T. 0.00 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

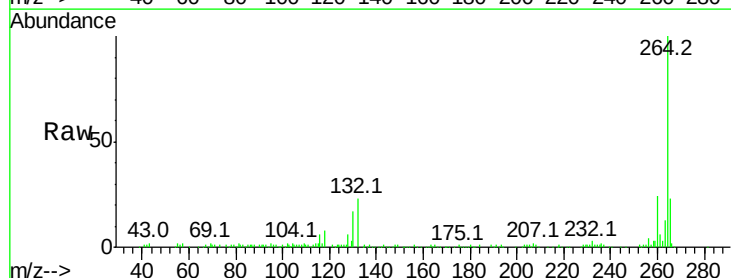
Tgt Ion:264 Resp: 142564

Ion Ratio Lower Upper

264 100

260 23.5 19.5 29.3

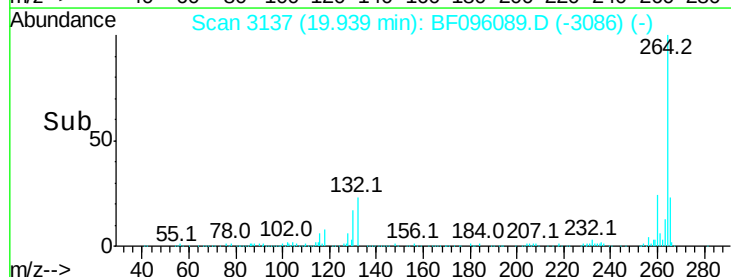
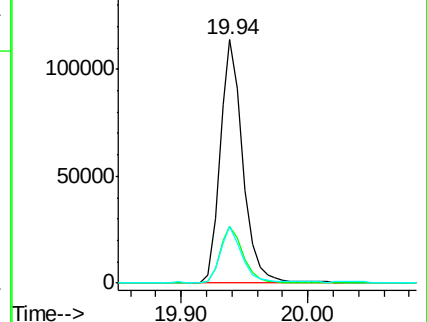
265 23.1 17.2 25.8

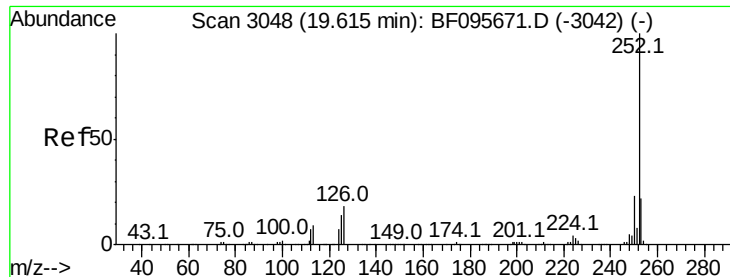


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.40 ng

RT: 19.54 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

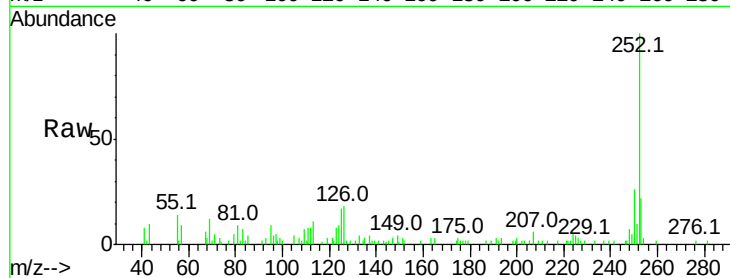
Tot Ion:252 Resp: 39286

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

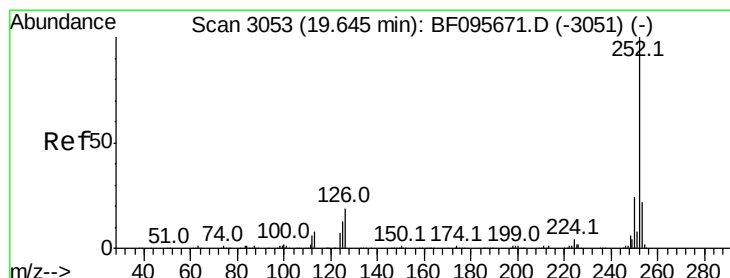
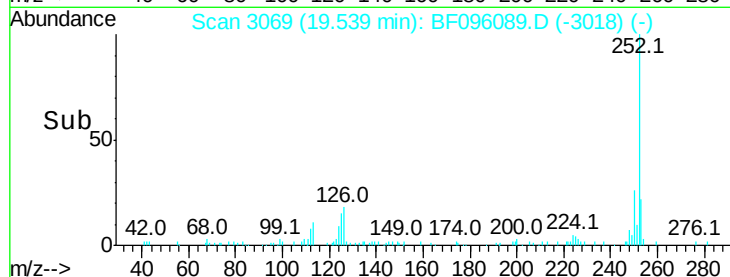
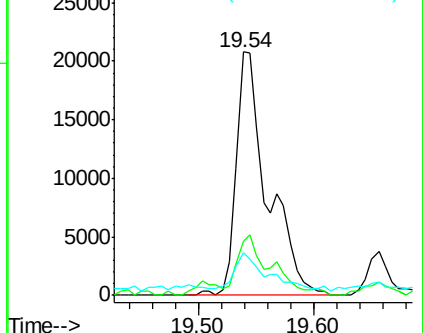
125 17.4 9.8 14.8#



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: 4.60 ng

RT: 19.54 min Scan# 3069

Delta R.T. -0.03 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

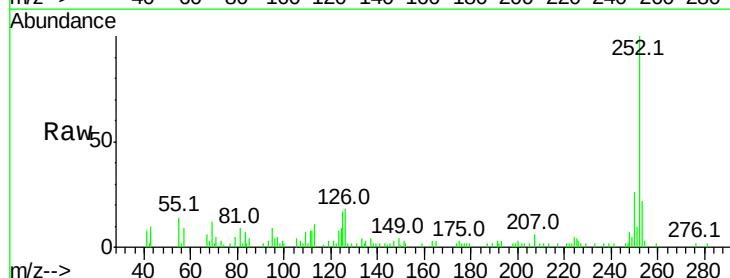
Tgt Ion:252 Resp: 39286

Ion Ratio Lower Upper

252 100

253 22.1 18.4 27.6

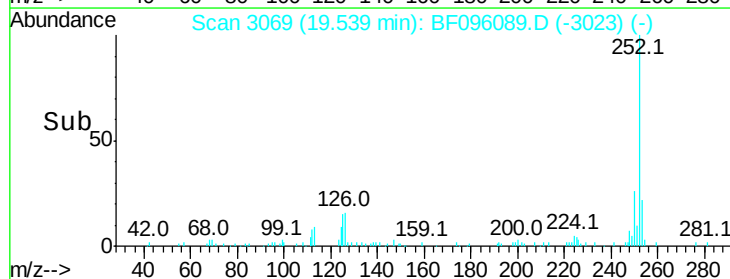
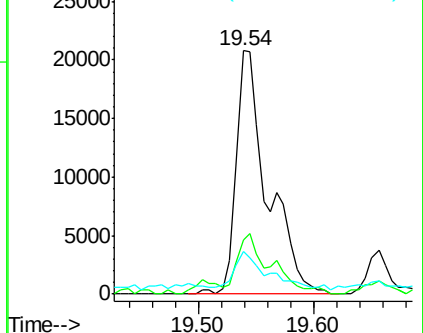
125 17.4 13.1 19.7

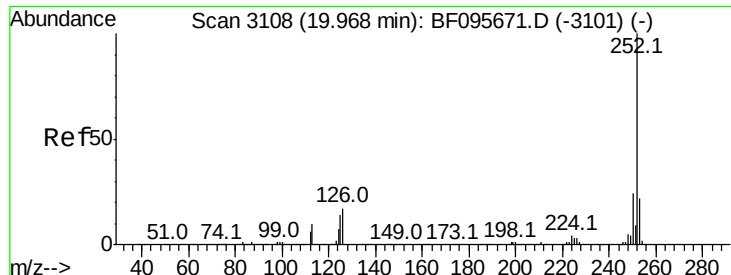


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.34 ng

RT: 19.89 min Scan# 3129

Delta R.T. 0.01 min

Lab File: BF096089.D

Acq: 21 Jun 2017 17:42

Instrument :

BNA_F

ClientSampleId :

G21-1.5-3

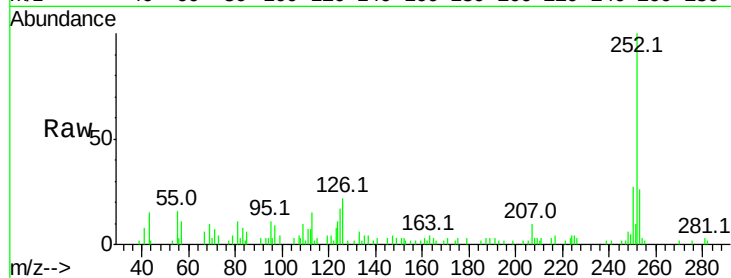
Tot Ion:252 Resp: 19226

Ion Ratio Lower Upper

252 100

253 26.2 17.5 26.3

125 16.7 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

