

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120417\
 Data File : BF101096.D
 Acq On : 4 Dec 2017 14:29
 Operator : SJ/JU
 Sample : I6699-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

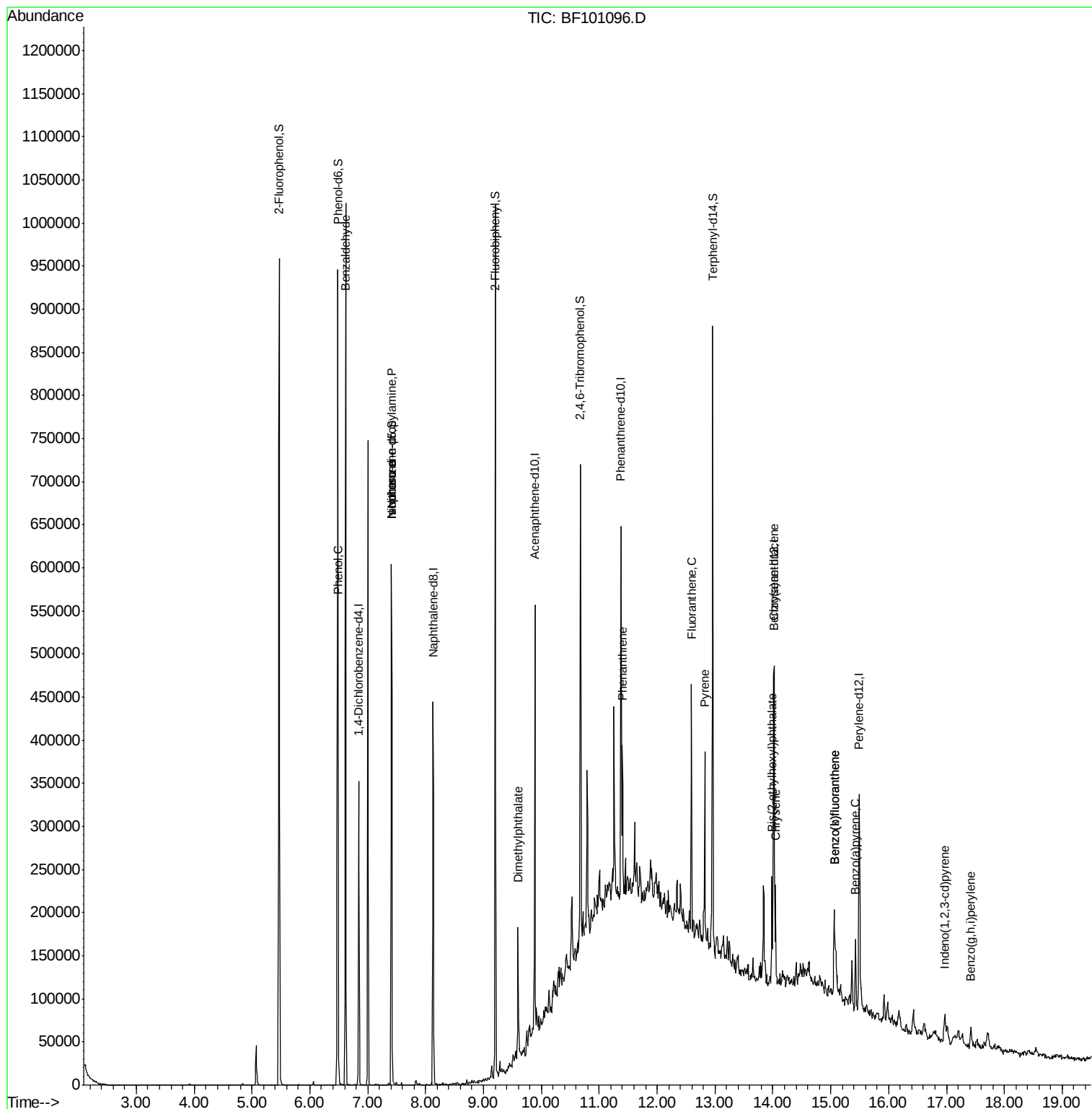
Quant Time: Dec 04 16:09:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:07:49 2017
 Response via : Initial Calibration

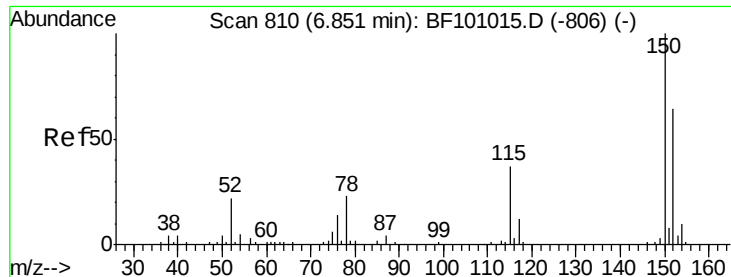
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	49803	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	197811	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	89880	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	151193	20.00	ng	0.00
75) Chrysene-d12	14.02	240	115399	20.00	ng	0.00
86) Perylene-d12	15.50	264	112220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	249412	82.75	ng	0.00
7) Phenol-d6	6.48	99	303611	82.97	ng	0.00
23) Nitrobenzene-d5	7.41	82	182717	55.10	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	75000	69.46	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	300020	45.67	ng	0.00
78) Terphenyl-d14	12.96	244	244948	46.43	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	5597	2.50	ng	81
10) Phenol	6.49	94	8995	2.21	ng	99
19) n-Nitroso-di-n-propylamine	7.41	70	24424	9.91	ng	# 80
25) Isophorone	7.41	82	182715	32.26	ng	# 64
49) Dimethylphthalate	9.60	163	46646	6.44	ng	# 97
70) Phenanthrene	11.40	178	57755	6.94	ng	100
74) Fluoranthene	12.59	202	102655	11.12	ng	96
77) Pyrene	12.82	202	86477	10.86	ng	97
80) Benzo(a)anthracene	14.01	228	43754	6.01	ng	100
82) Chrysene	14.04	228	39460	5.83	ng	98
83) Bis(2-ethylhexyl)phthalate	13.99	149	37878	7.57	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.97	276	19244	3.20	ng	# 90
87) Benzo(b)fluoranthene	15.06	252	69108	10.28	ng	97
88) Benzo(k)fluoranthene	15.06	252	69108	10.44	ng	99
89) Benzo(a)pyrene	15.43	252	35164	5.75	ng	95
91) Benzo(g,h,i)perylene	17.42	276	17043	3.36	ng	93

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

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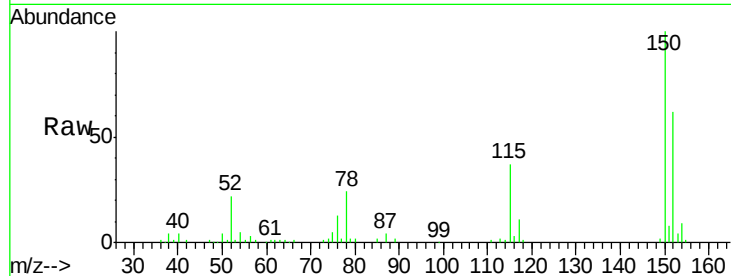




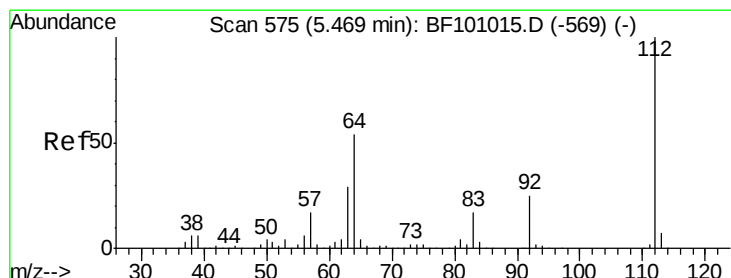
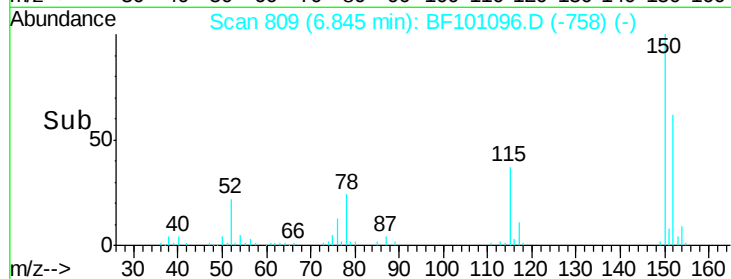
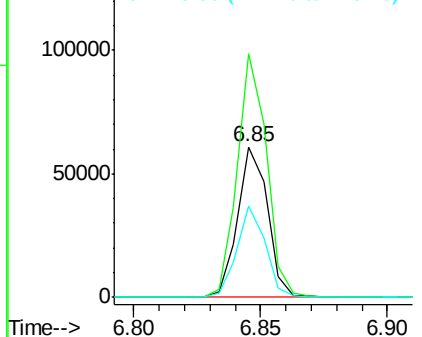
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 809
 Delta R.T. 0.00 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 49803
 Ion Ratio Lower Upper
 152 100
 150 162.1 124.6 186.8
 115 60.7 50.1 75.1

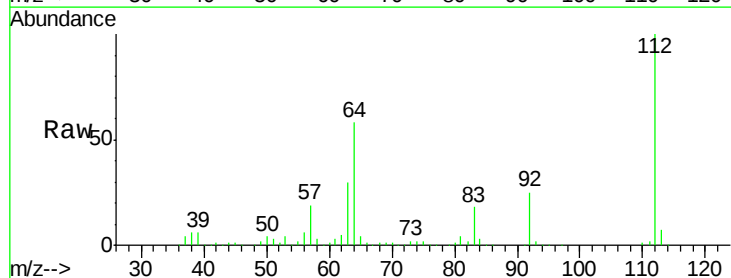


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

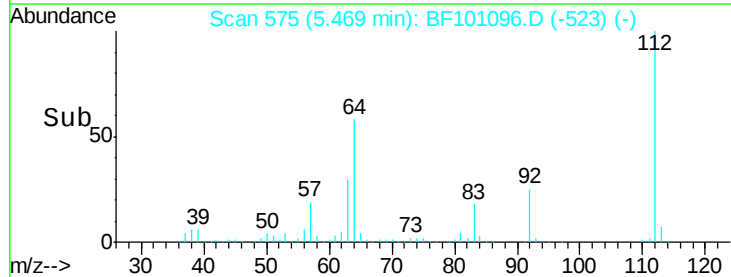
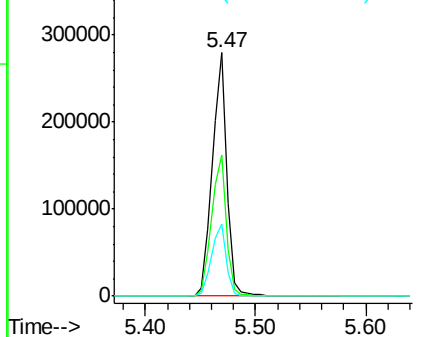


#5
 2-Fluorophenol
 Concen: 82.75 ng
 RT: 5.47 min Scan# 575
 Delta R.T. 0.01 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

Tgt Ion:112 Resp: 249412
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.9 71.9
 63 29.9 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 82.97 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampleId :

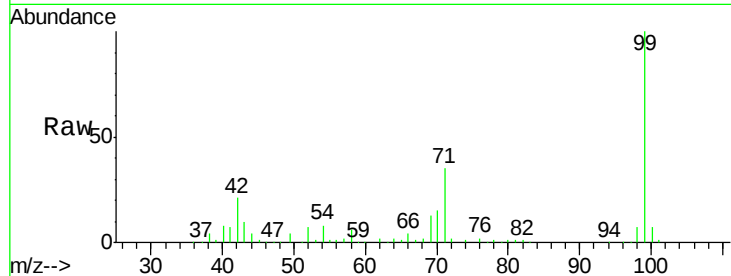
Tot Ion: 99 Resp: 303611

Ion Ratio Lower Upper

99 100

42 20.6 14.5 21.7

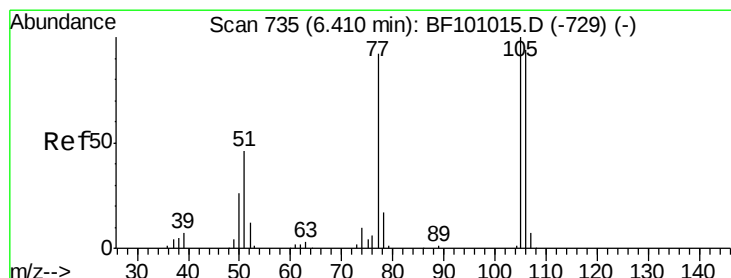
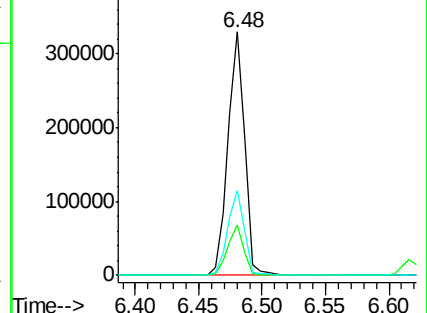
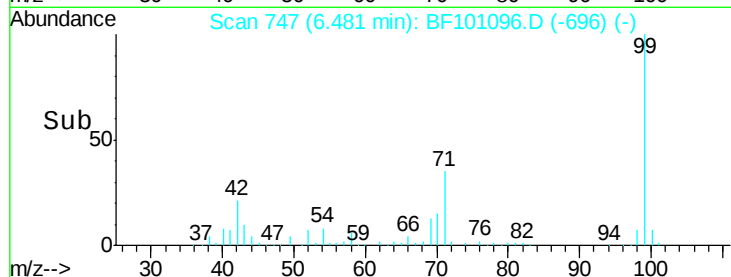
71 34.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.50 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

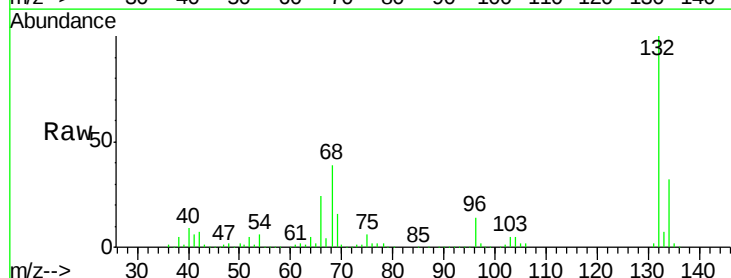
Tgt Ion: 77 Resp: 5597

Ion Ratio Lower Upper

77 100

105 82.0 81.1 121.1

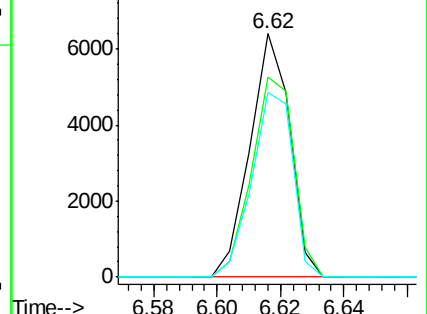
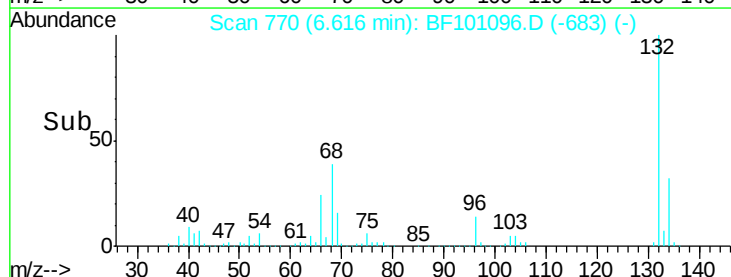
106 76.0 74.5 114.5

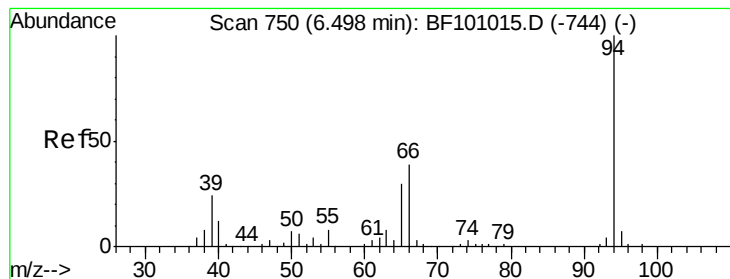


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.21 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampleId :

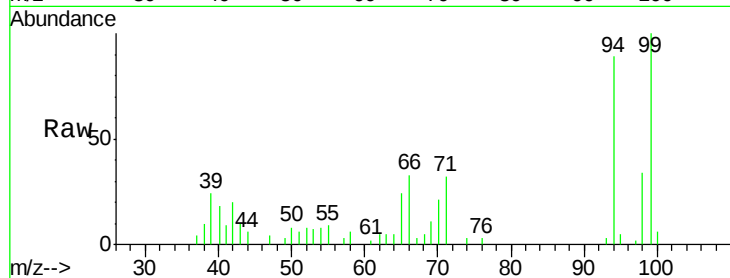
Tot Ion: 94 Resp: 8995

Ion Ratio Lower Upper

94 100

65 27.5 7.9 47.9

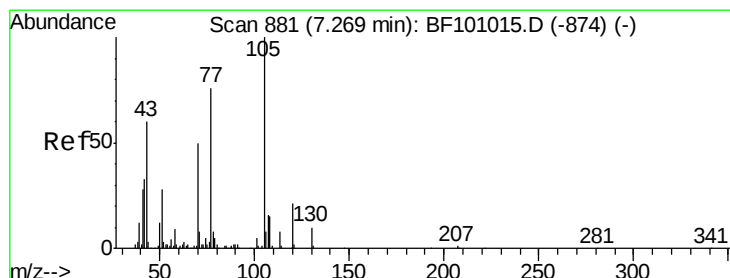
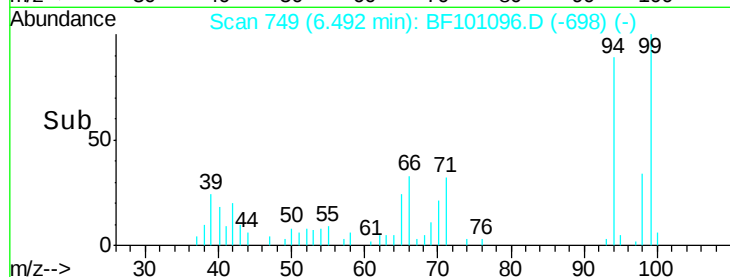
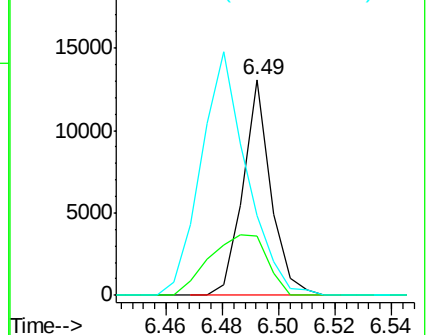
66 36.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 9.91 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Tgt Ion: 70 Resp: 24424

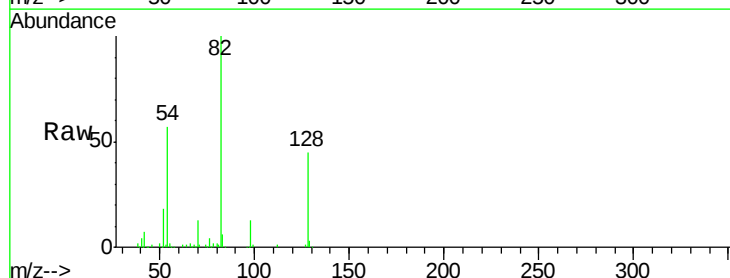
Ion Ratio Lower Upper

70 100

42 50.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

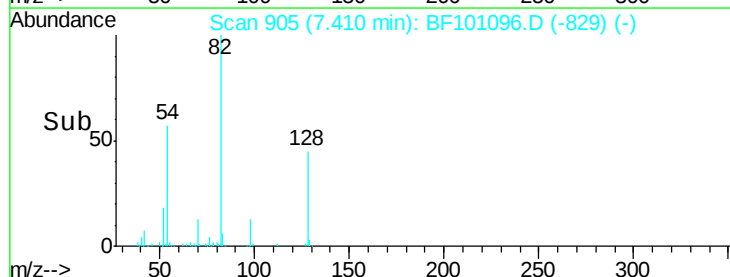
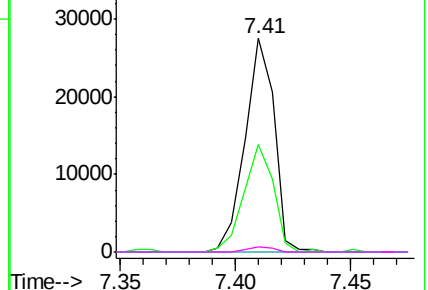


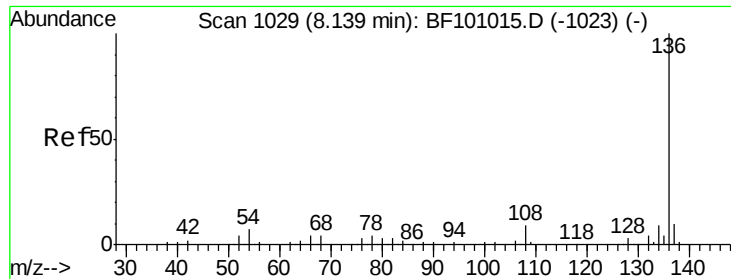
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

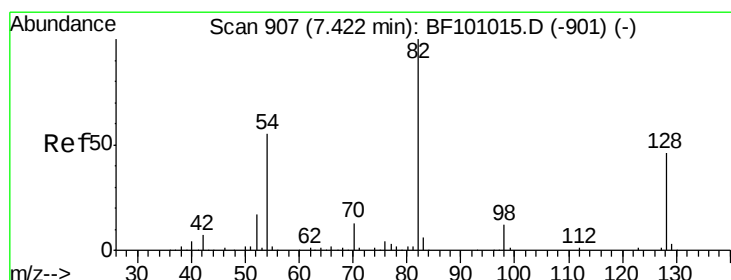
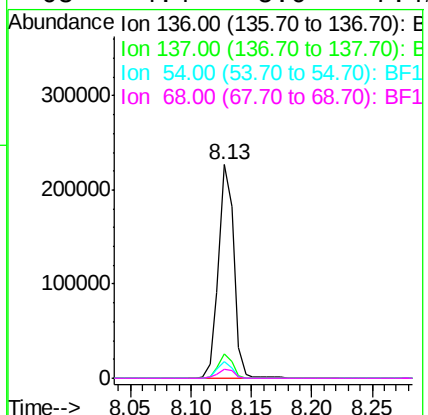
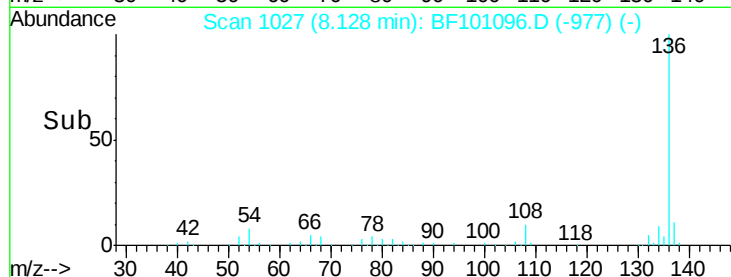
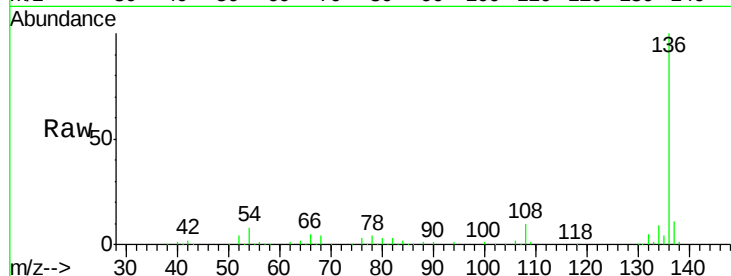




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF101096.D
Acq: 4 Dec 2017 14:29

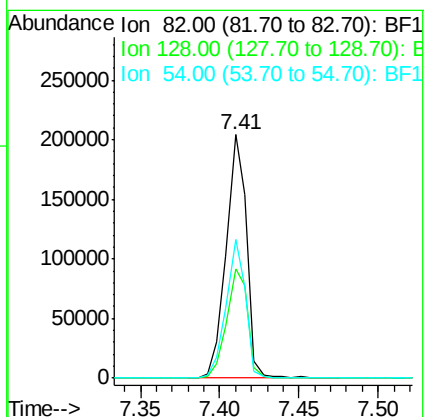
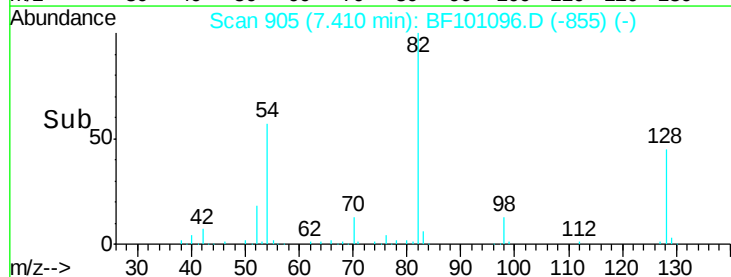
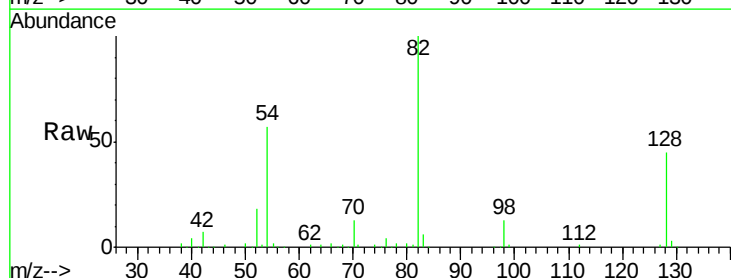
Instrument :
BNA_F
ClientSampleId :

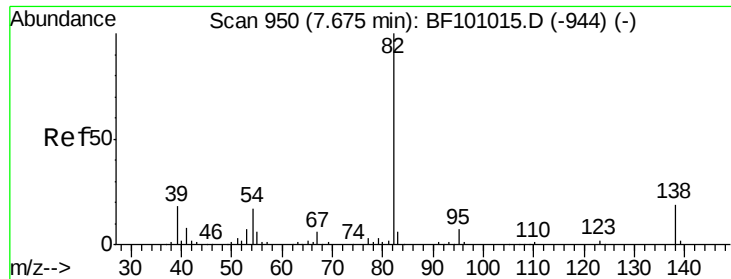
Tot Ion:136	Resp:	197811
Ion Ratio	Lower	Upper
136	100	
137	11.4	8.9 13.3
54	7.9	6.6 9.8
68	4.4	5.0 7.4#



#23
Nitrobenzene-d5
Concen: 55.10 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF101096.D
Acq: 4 Dec 2017 14:29

Tgt Ion: 82	Resp:	182717
Ion Ratio	Lower	Upper
82	100	
128	44.7	36.1 54.1
54	56.8	41.4 62.2





#25

Isophorone

Concen: 32.26 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampled :

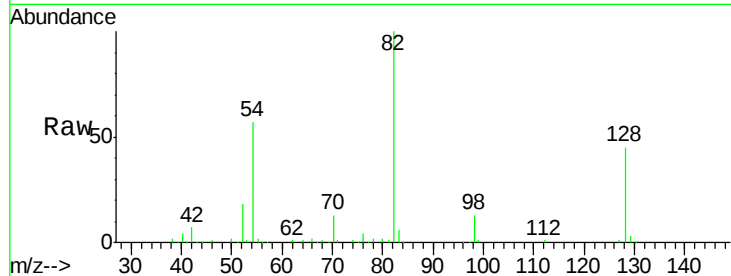
Tot Ion: 82 Resp: 182715

Ion Ratio Lower Upper

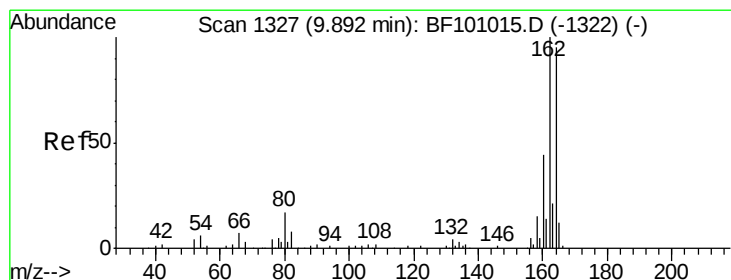
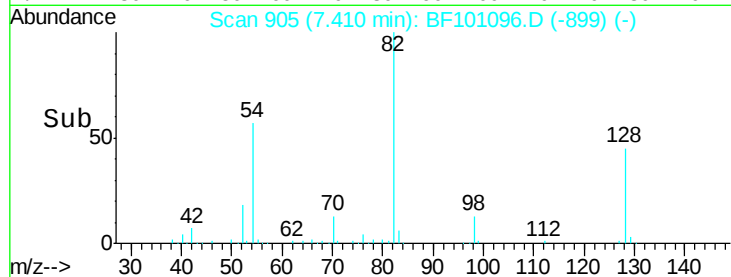
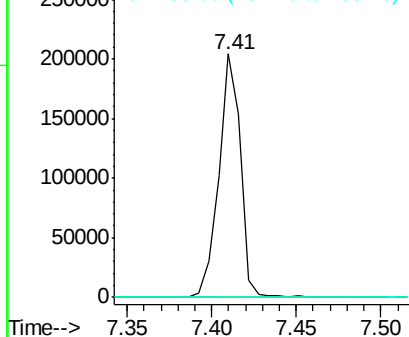
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

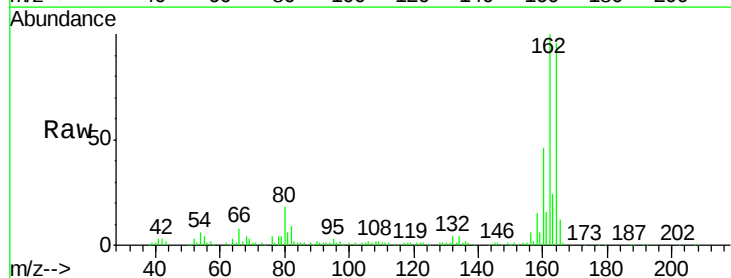
Tgt Ion:164 Resp: 89880

Ion Ratio Lower Upper

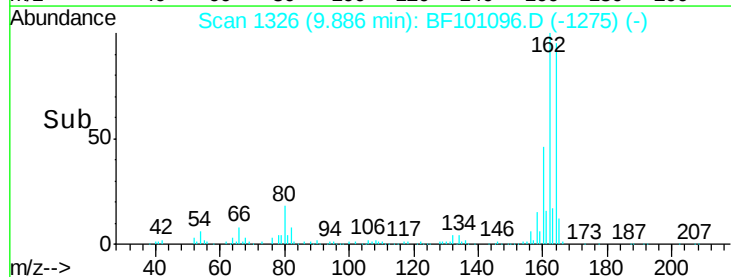
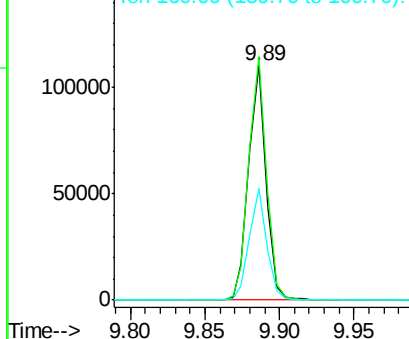
164 100

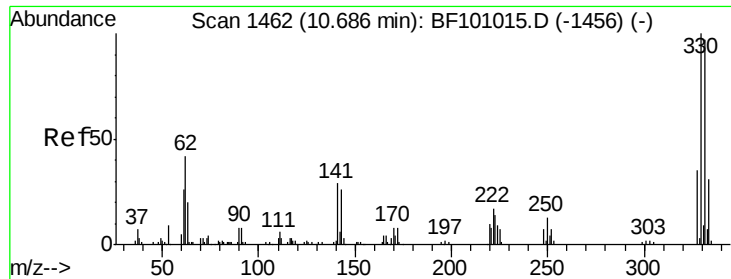
162 103.9 86.1 129.1

160 47.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





#41

2,4,6-Tribromophenol

Concen: 69.46 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampled :

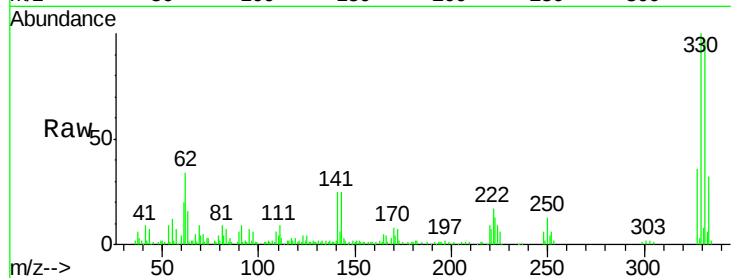
Tot Ion:330 Resp: 75000

Ion Ratio Lower Upper

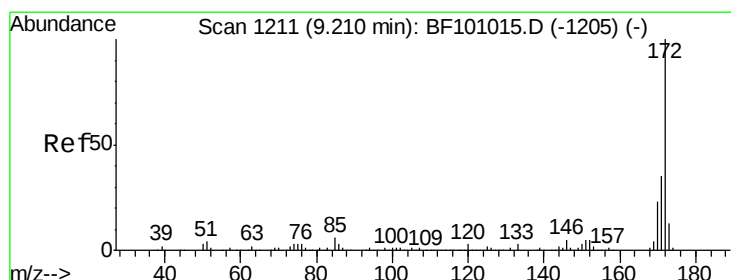
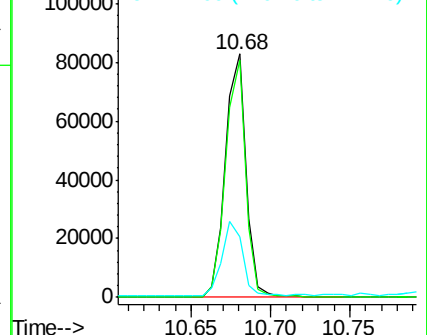
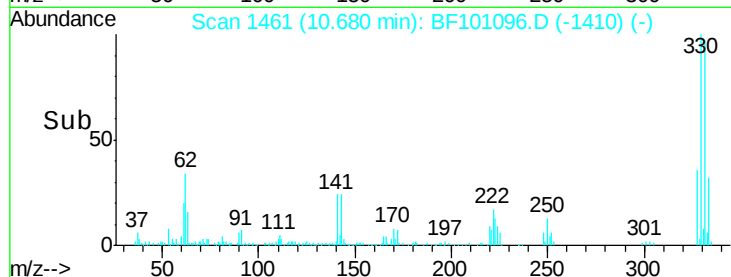
330 100

332 94.6 77.0 115.6

141 30.9 29.9 44.9



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: 45.67 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

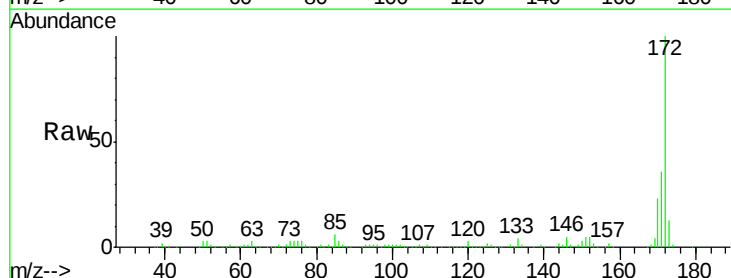
Tgt Ion:172 Resp: 300020

Ion Ratio Lower Upper

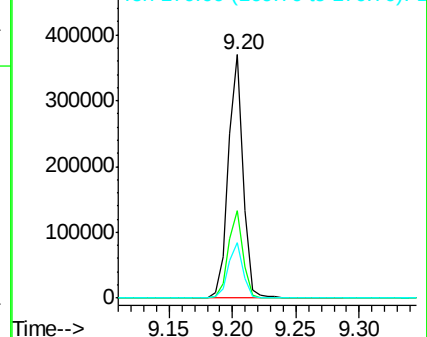
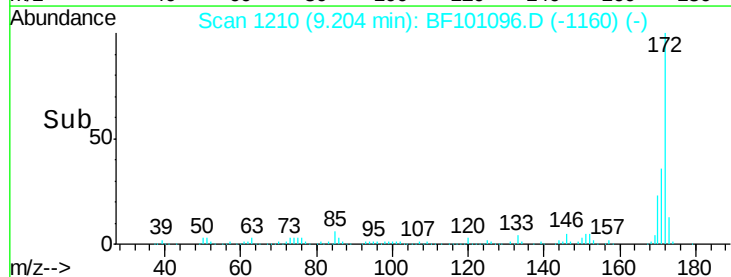
172 100

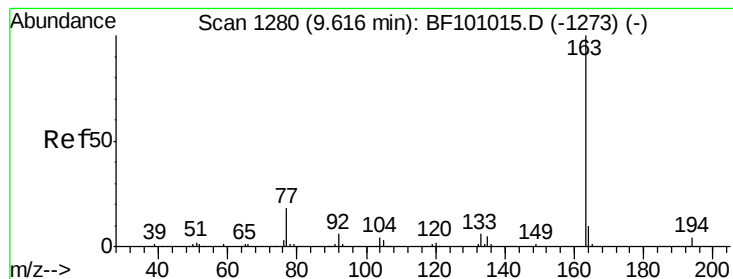
171 36.0 29.7 44.5

170 23.0 19.6 29.4



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: 6.44 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampleId :

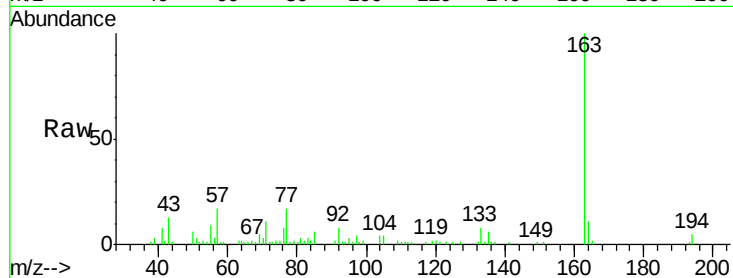
Tot Ion:163 Resp: 46646

Ion Ratio Lower Upper

163 100

194 5.1 2.7 4.1#

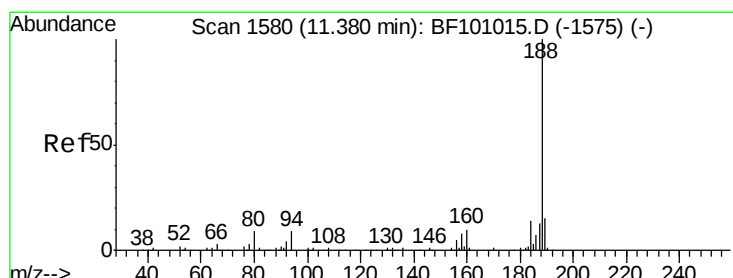
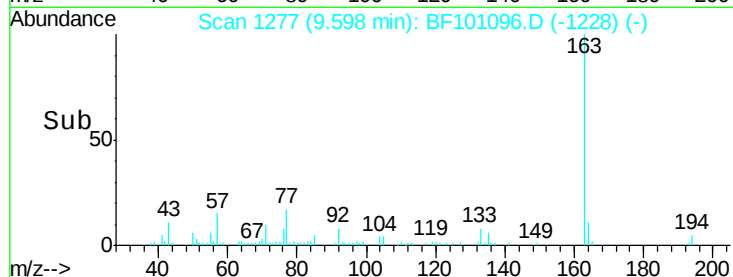
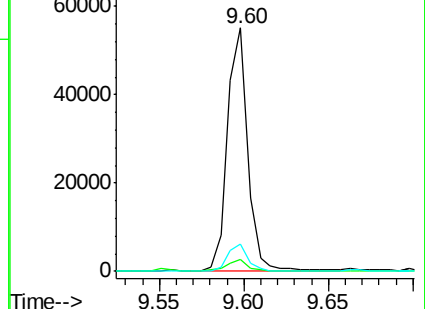
164 11.0 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

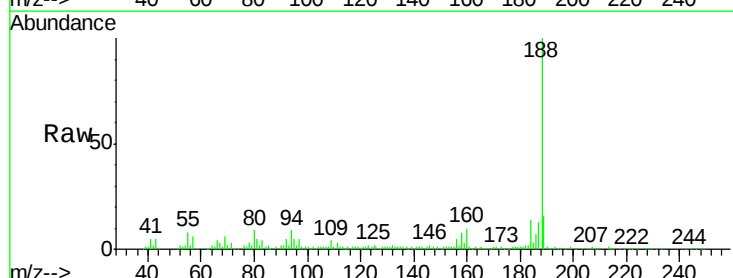
Tgt Ion:188 Resp: 151193

Ion Ratio Lower Upper

188 100

94 8.9 8.5 12.7

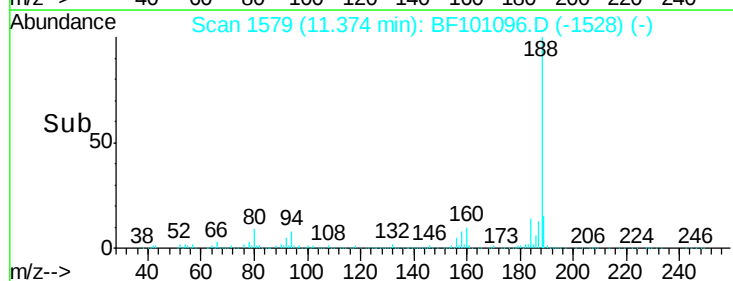
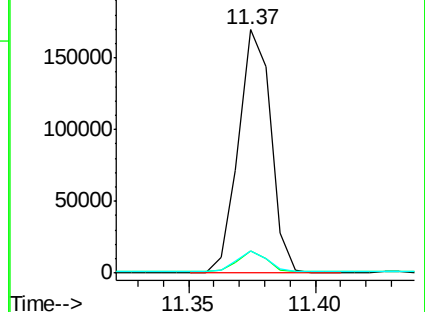
80 9.2 9.2 13.8

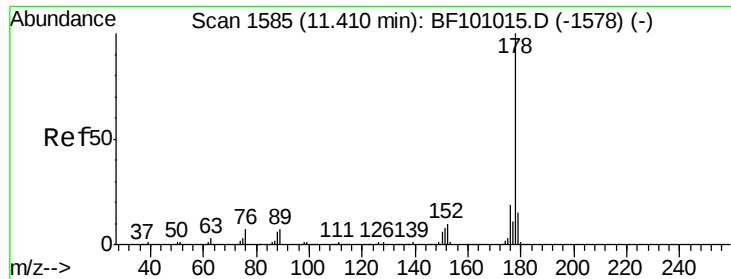


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 6.94 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampleId :

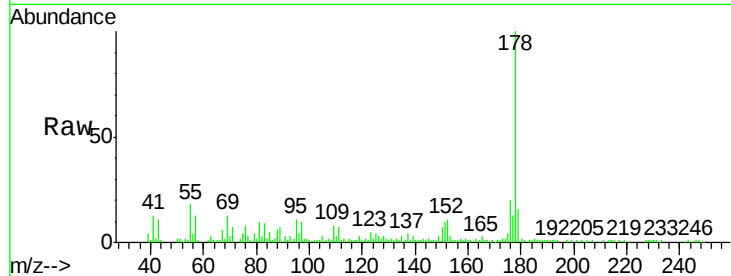
Tot Ion:178 Resp: 57755

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

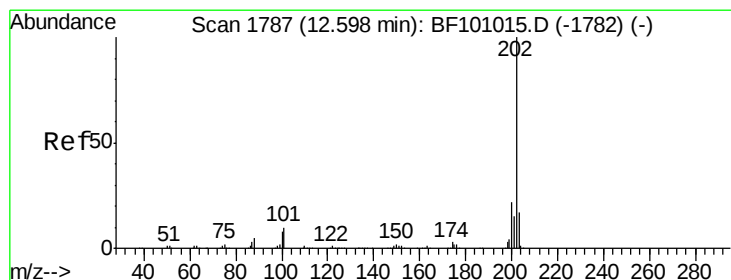
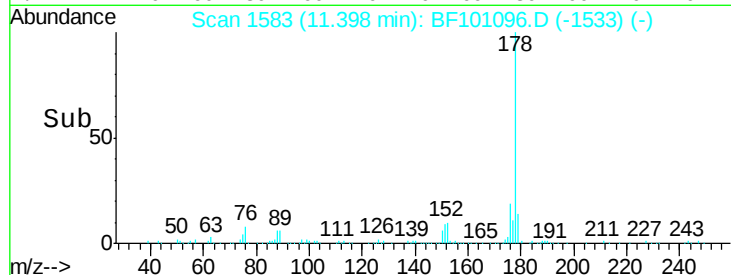
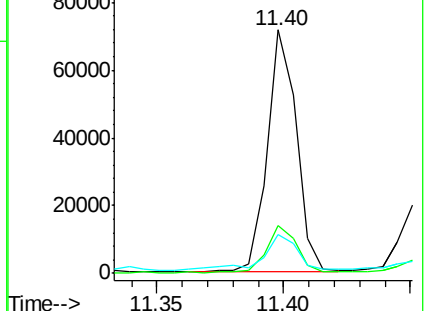
179 16.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 11.12 ng

RT: 12.59 min Scan# 1786

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

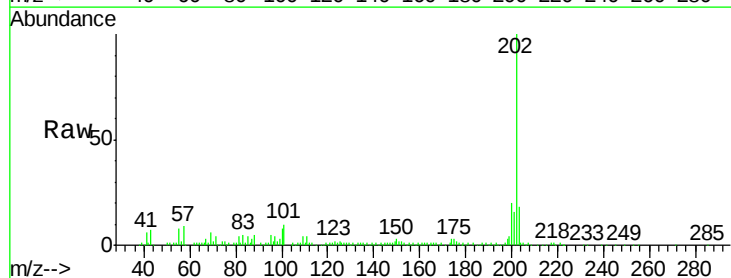
Tgt Ion:202 Resp: 102655

Ion Ratio Lower Upper

202 100

101 10.4 0.0 34.1

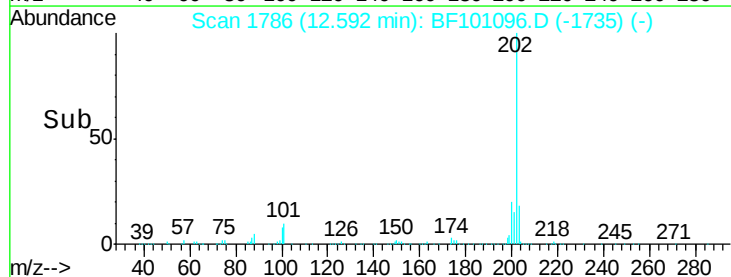
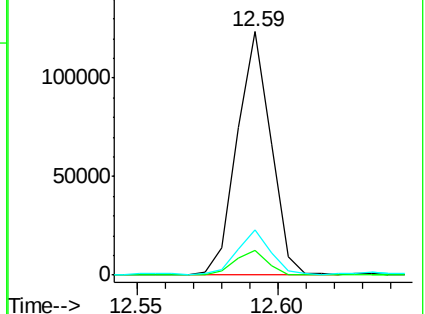
203 18.4 0.0 38.1

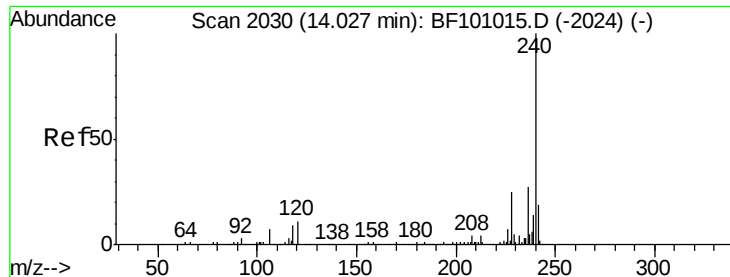


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

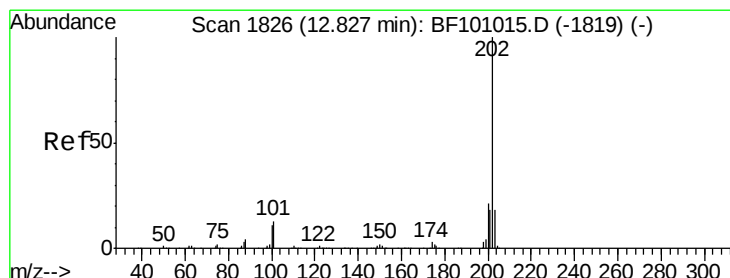
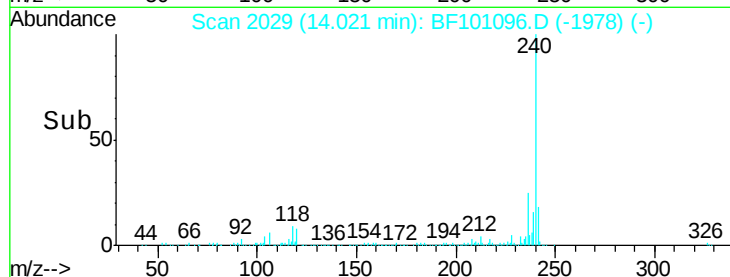
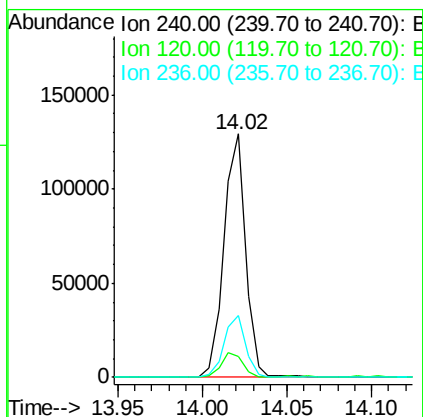
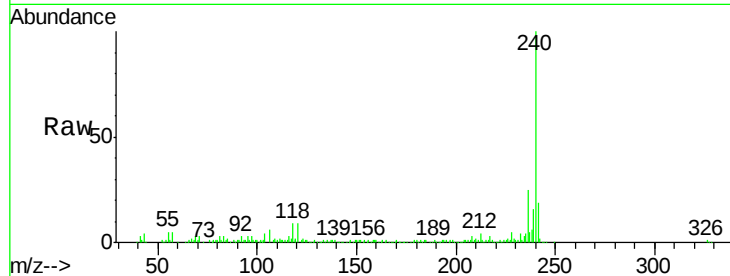




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

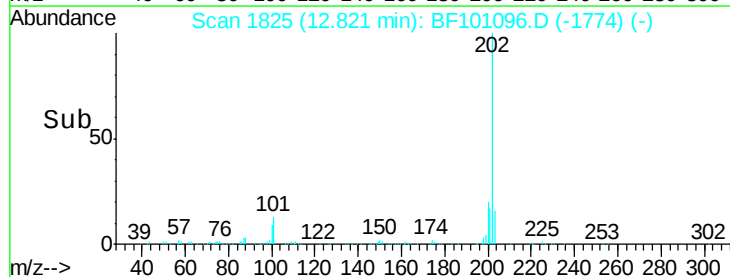
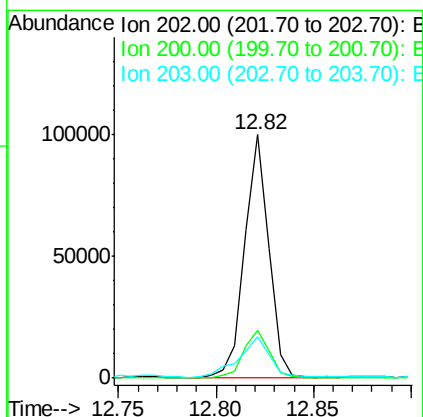
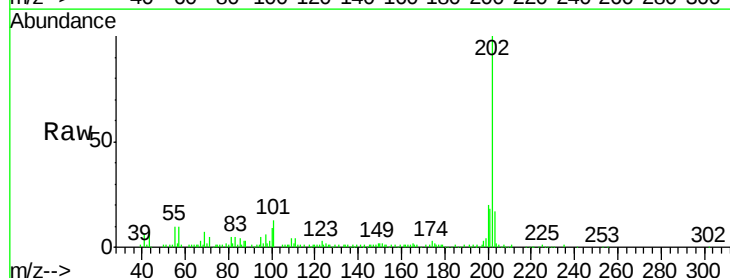
Instrument :
 BNA_F
 ClientSampleId :

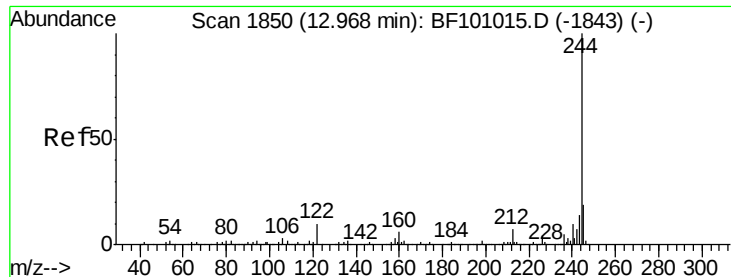
Tot Ion:240 Resp: 115399
 Ion Ratio Lower Upper
 240 100
 120 8.6 9.5 14.3#
 236 25.5 20.7 31.1



#77
 Pyrene
 Concen: 10.86 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

Tgt Ion:202 Resp: 86477
 Ion Ratio Lower Upper
 202 100
 200 19.8 17.4 26.2
 203 17.2 14.3 21.5

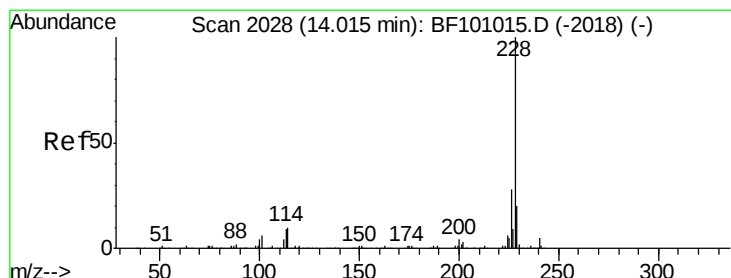
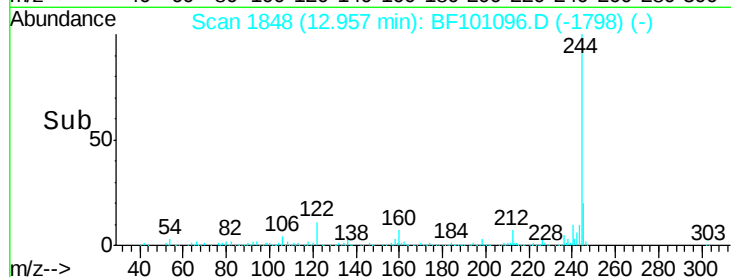
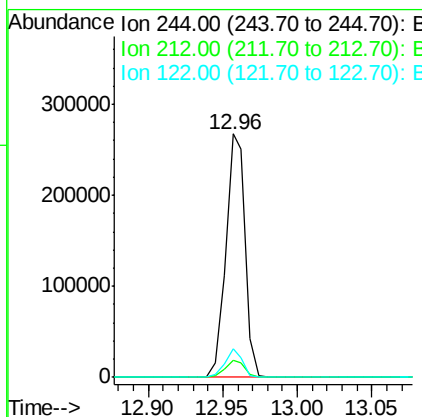
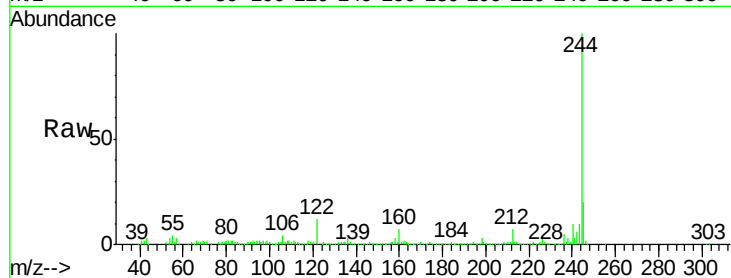




#78
 Terphenyl-d14
 Concen: 46.43 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

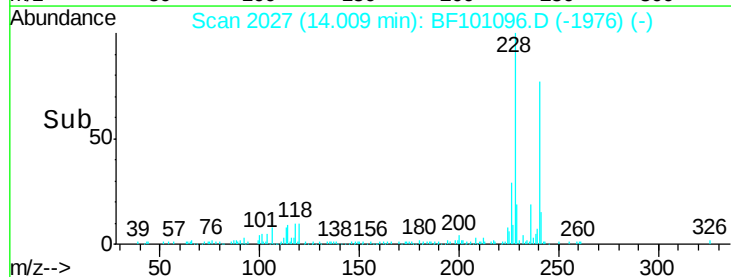
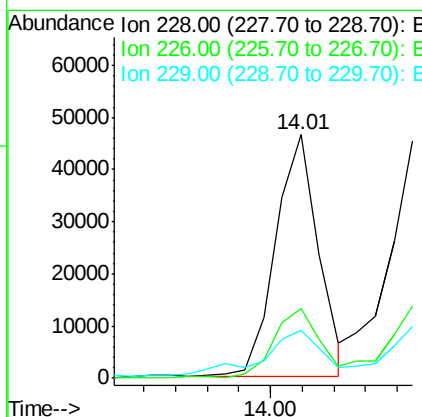
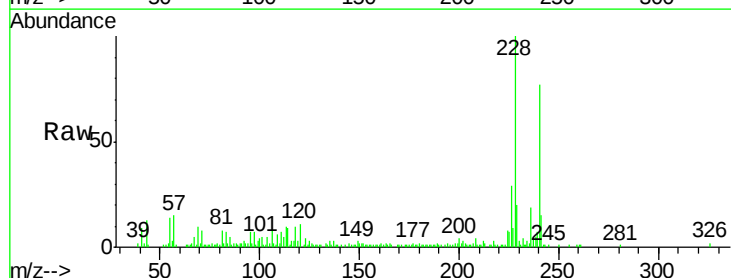
Instrument :
 BNA_F
 ClientSampleId :

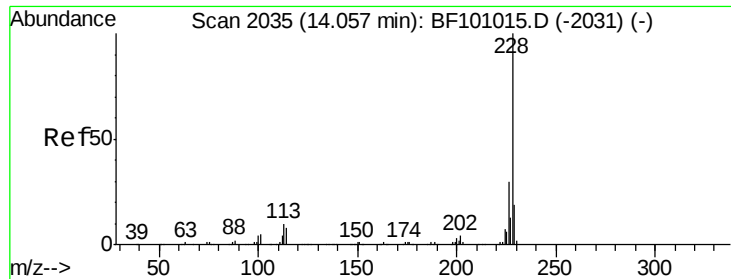
Tot Ion:244 Resp: 244948
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.6 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 6.01 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. 0.00 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

Tgt Ion:228 Resp: 43754
 Ion Ratio Lower Upper
 228 100
 226 28.5 22.6 33.8
 229 19.8 15.8 23.6





#82

Chrvsene

Concen: 5.83 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampleId :

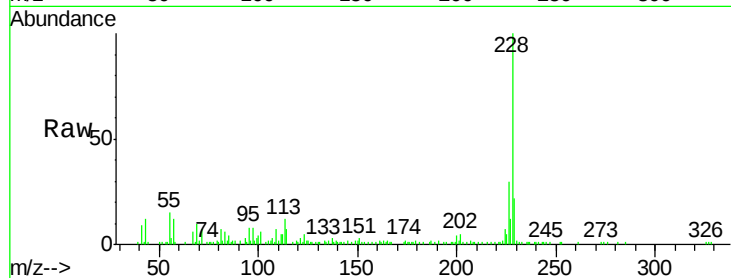
Tot Ion:228 Resp: 39460

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.6

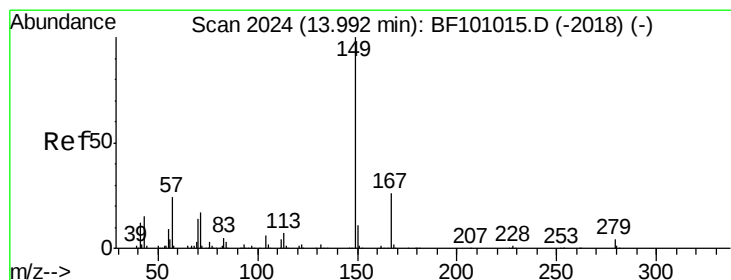
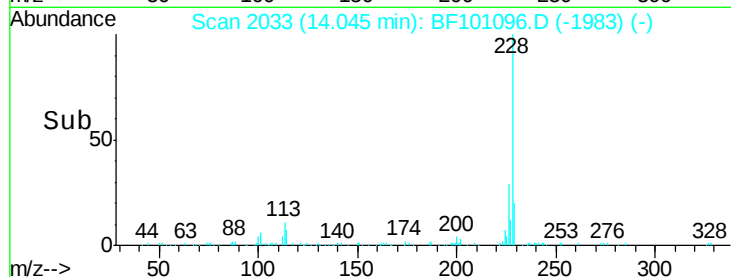
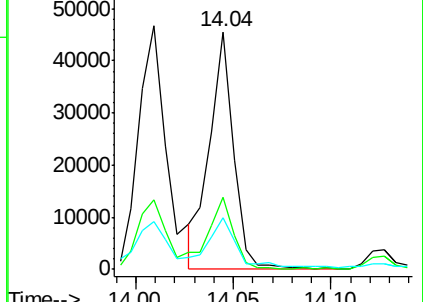
229 21.6 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.57 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

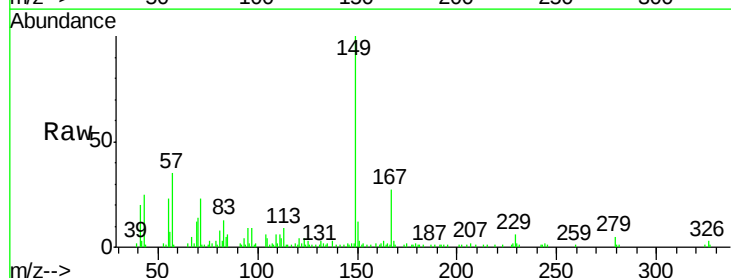
Tgt Ion:149 Resp: 37878

Ion Ratio Lower Upper

149 100

167 27.1 21.3 31.9

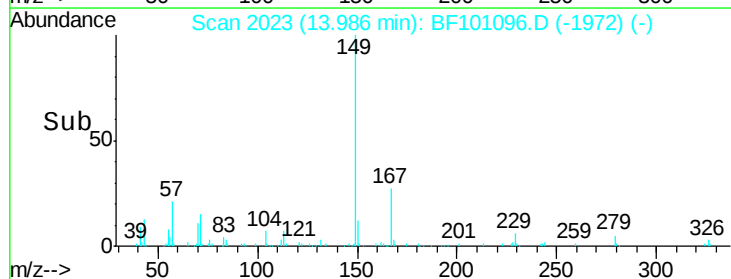
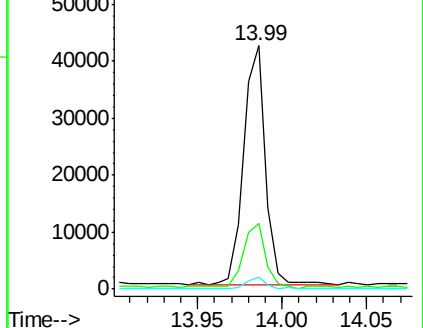
279 4.8 3.0 4.4#

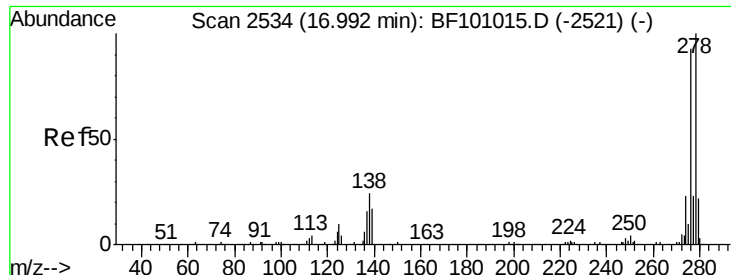


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

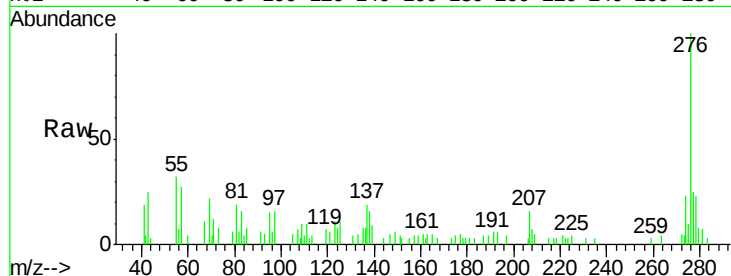




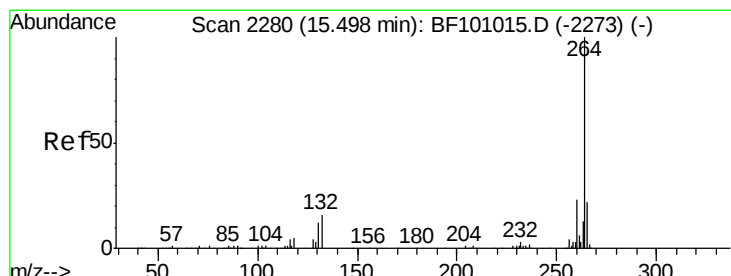
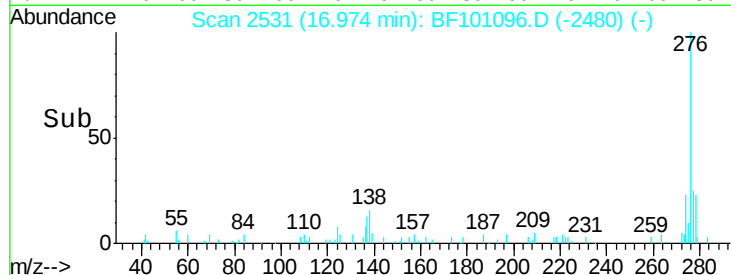
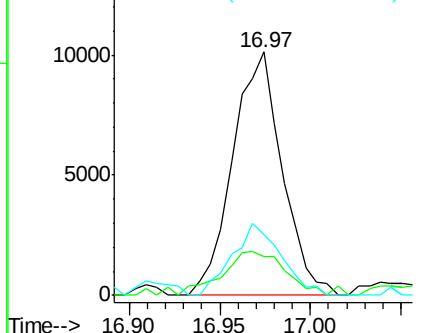
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.20 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. 0.00 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 19244
 Ion Ratio Lower Upper
 276 100
 138 24.5 25.0 37.6#
 277 29.1 20.1 30.1

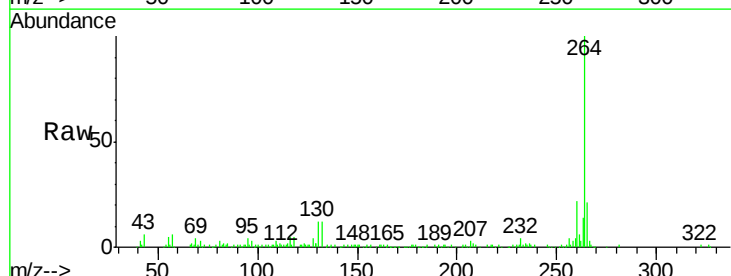


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

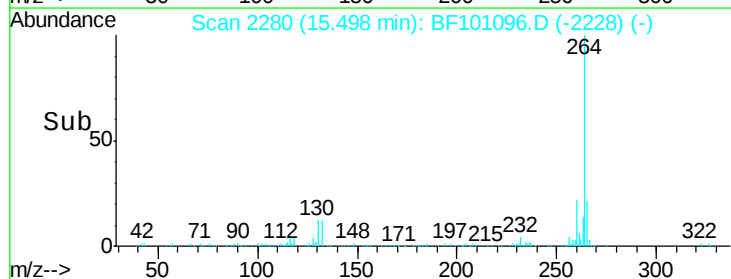
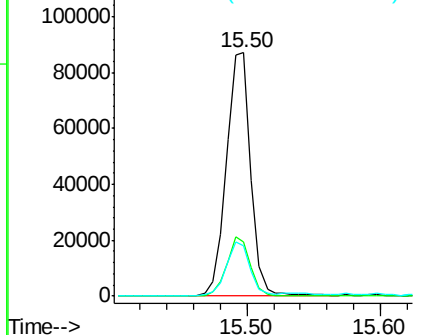


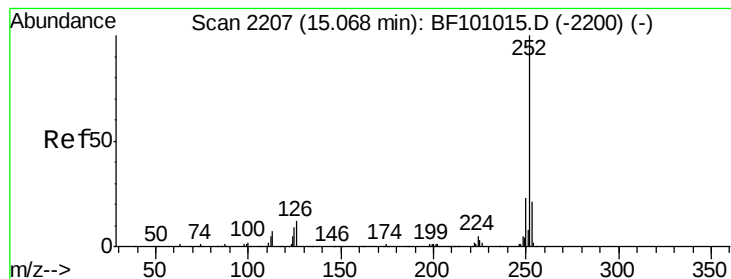
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF101096.D
 Acq: 4 Dec 2017 14:29

Tgt Ion:264 Resp: 112220
 Ion Ratio Lower Upper
 264 100
 260 22.5 19.2 28.8
 265 20.5 17.5 26.3



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: 10.28 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampleId :

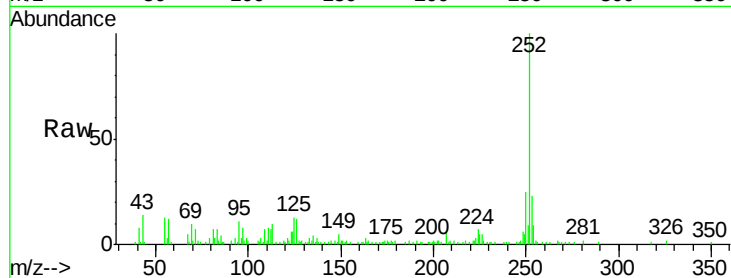
Tot Ion:252 Resp: 69108

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

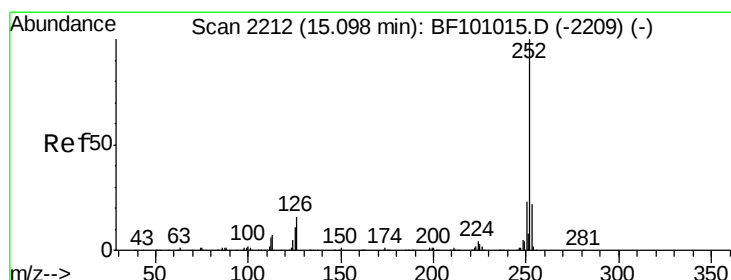
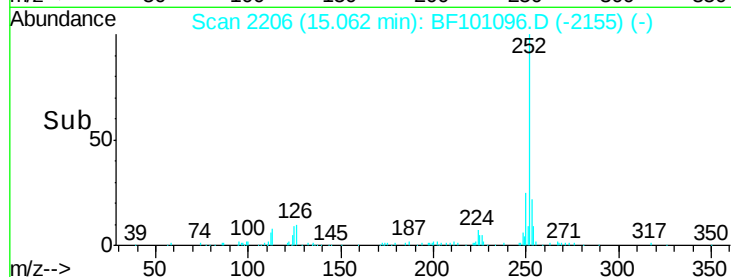
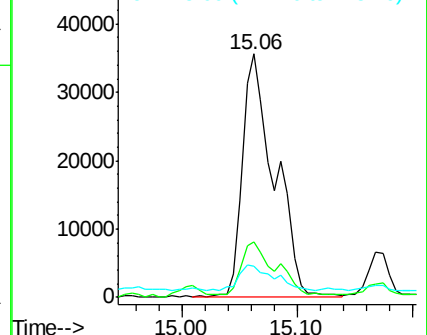
125 12.6 9.0 13.6



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: 10.44 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

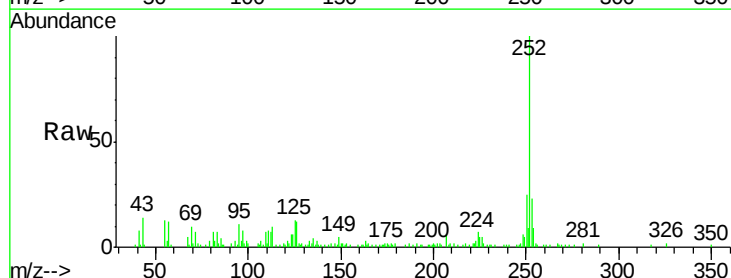
Tgt Ion:252 Resp: 69108

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

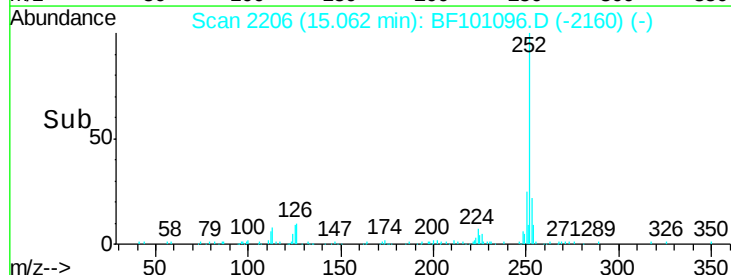
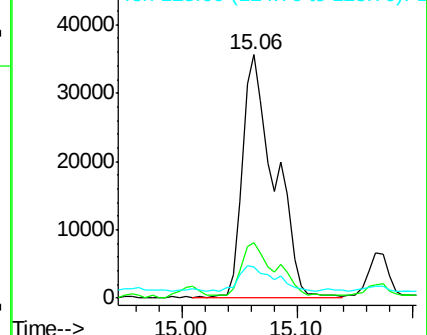
125 12.6 10.2 15.2

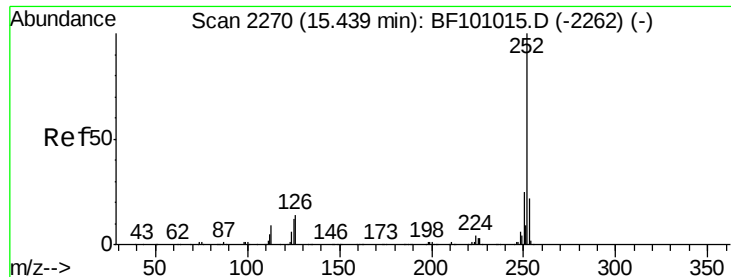


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 5.75 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

Instrument :

BNA_F

ClientSampleId :

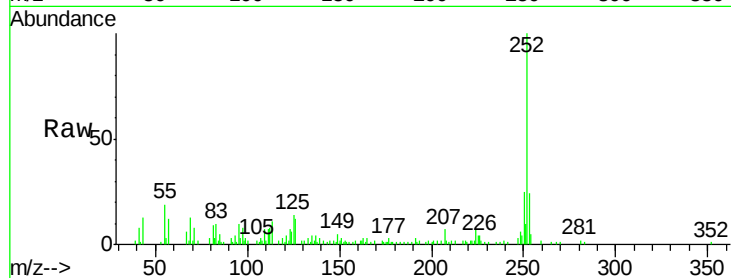
Tot Ion:252 Resp: 35164

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

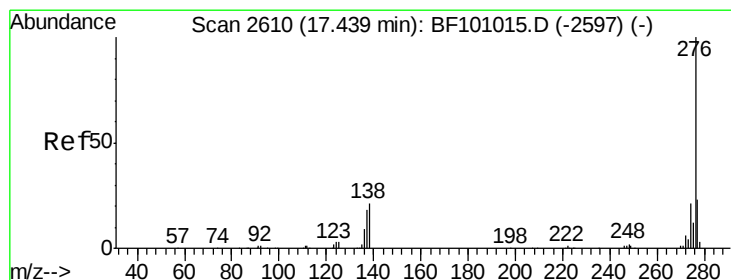
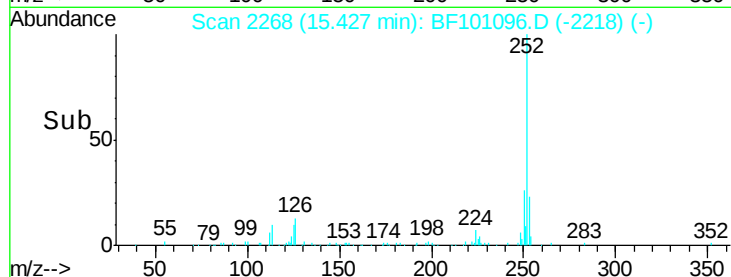
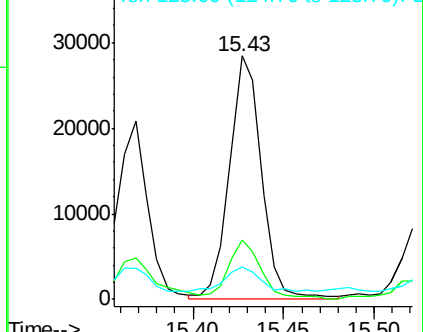
125 13.5 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 3.36 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.01 min

Lab File: BF101096.D

Acq: 4 Dec 2017 14:29

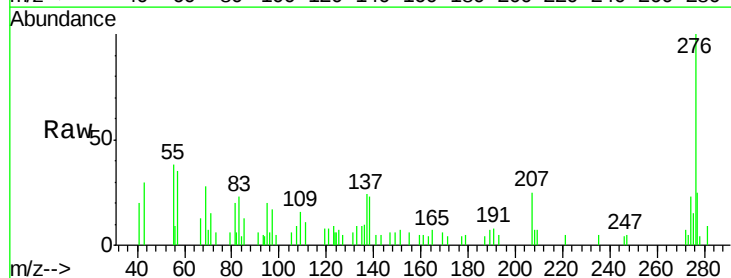
Tgt Ion:276 Resp: 17043

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 22.6 21.8 32.8



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

