

Data Path : U:\HPCHEM1\BNA F\DATA\BF012918\
 Data File : BF102596.D
 Acq On : 29 Jan 2018 14:36
 Operator : SJ/JU
 Sample : J1253-19 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 30 00:06:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 27 20:48:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	168697	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	650811	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	225105	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	334569	20.00	ng	0.00
75) Chrysene-d12	13.90	240	276527	20.00	ng	0.02
86) Perylene-d12	15.34	264	194068	20.00	ng	0.04

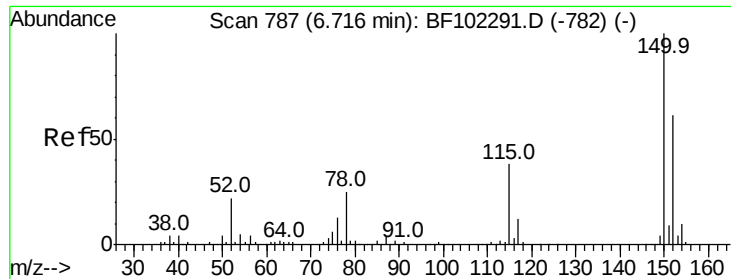
System Monitoring Compounds

5) 2-Fluorophenol	5.33	112	511457	45.97	ng	0.00
7) Phenol-d6	6.36	99	595055	44.36	ng	0.00
23) Nitrobenzene-d5	7.28	82	333560	29.45	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	70898	31.79	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	529332	34.58	ng	0.00
78) Terphenyl-d14	12.83	244	353039	28.78	ng	0.00

Target Compounds

						Qvalue
25) Isophorone	7.28	82	332081	16.448	ng	# 64
48) Acenaphthylene	9.62	152	51772	2.124	ng	98
49) Dimethylphthalate	9.47	163	76204	4.096	ng	99
70) Phenanthrene	11.26	178	170946	8.768	ng	99
71) Anthracene	11.32	178	61800	3.106	ng	98
73) Di-n-butylphthalate	11.80	149	120236	4.955	ng	100
74) Fluoranthene	12.46	202	256865	12.920	ng	98
77) Pyrene	12.69	202	245083	11.463	ng	98
80) Benzo(a)anthracene	13.89	228	118985	6.989	ng	# 87
82) Chrysene	13.92	228	125601	7.265	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.76	276	67093	4.699	ng	95
87) Benzo(b)fluoranthene	14.93	252	172559	13.719	ng	# 69
88) Benzo(k)fluoranthene	14.93	252	172559	14.520	ng	# 72
89) Benzo(a)pyrene	15.29	252	88606	7.811	ng	# 73
91) Benzo(a,h,i)perylene	17.19	276	75690	8.342	ng	# 86

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

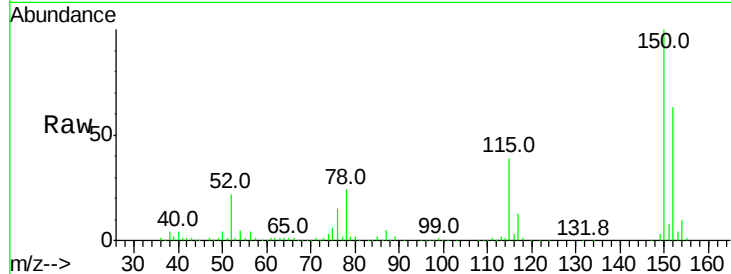


#1

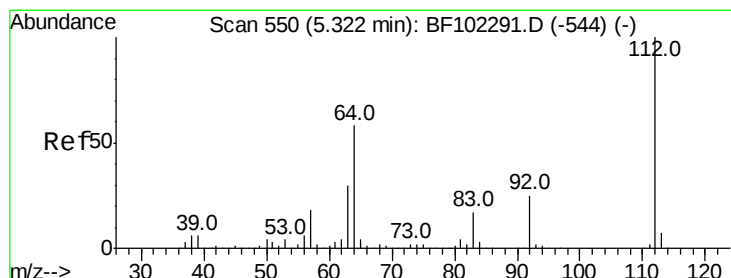
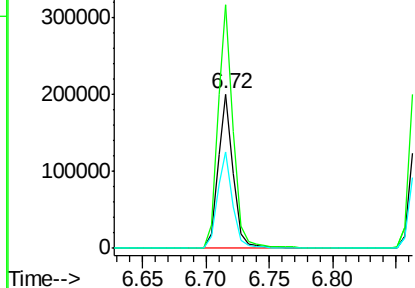
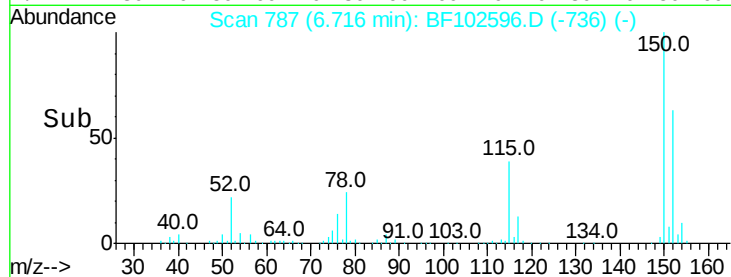
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 168697
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 62.1 50.1 75.1



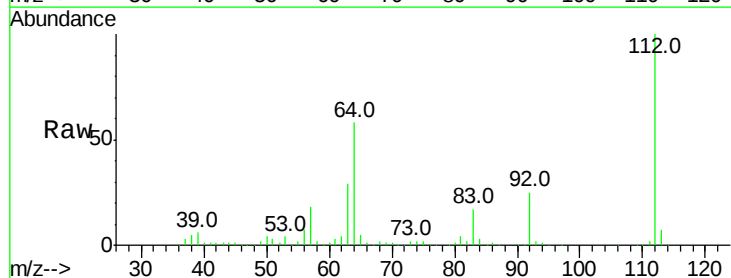
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



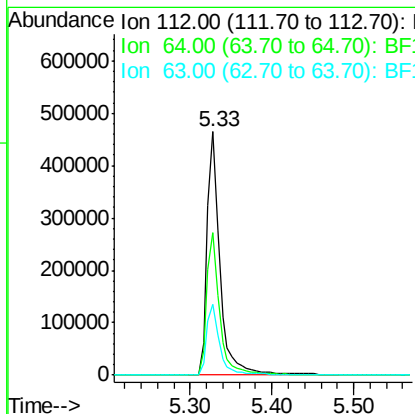
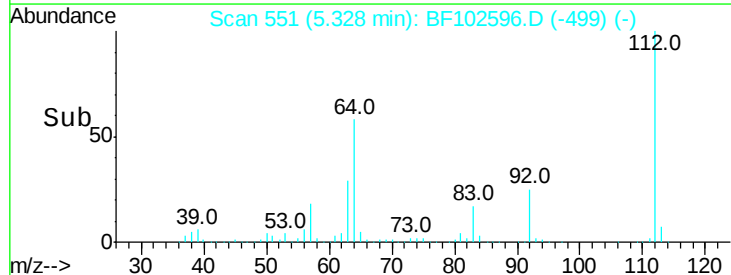
#5

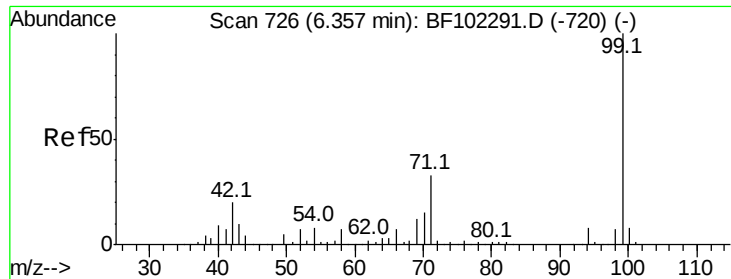
2-Fluorophenol
Concen: 45.970 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion:112 Resp: 511457
Ion Ratio Lower Upper
112 100
64 58.4 47.9 71.9
63 29.2 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: 44.363 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

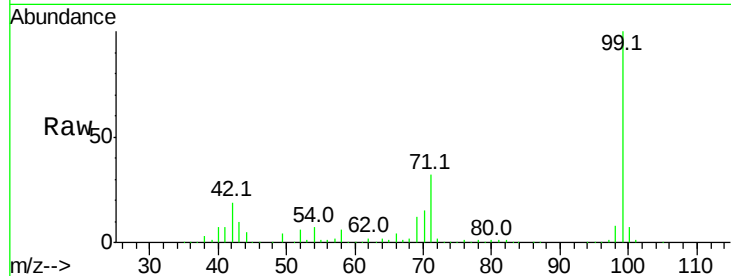
Tot Ion: 99 Resp: 595055

Ion Ratio Lower Upper

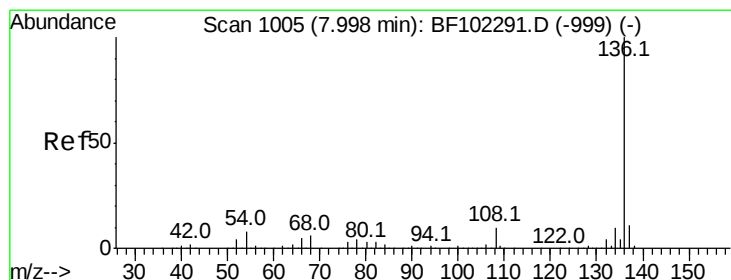
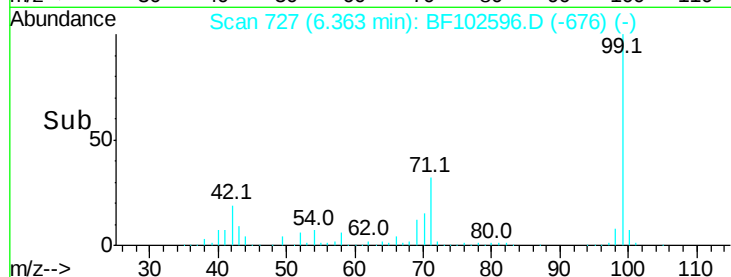
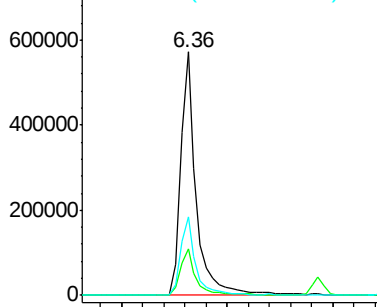
99 100

42 19.3 14.5 21.7

71 32.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Tgt Ion: 136 Resp: 650811

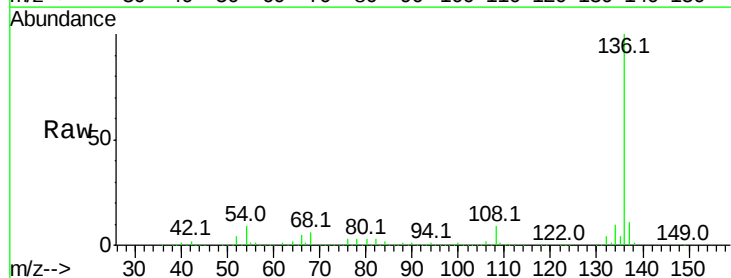
Ion Ratio Lower Upper

136 100

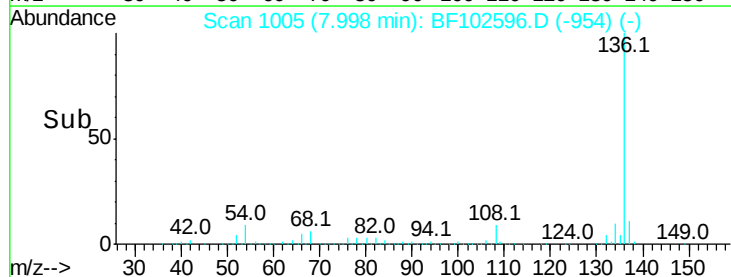
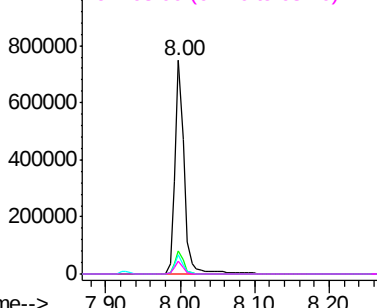
137 10.9 8.9 13.3

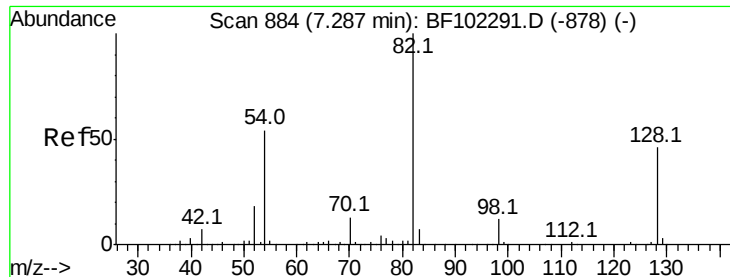
54 8.8 6.6 9.8

68 6.1 5.0 7.4



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

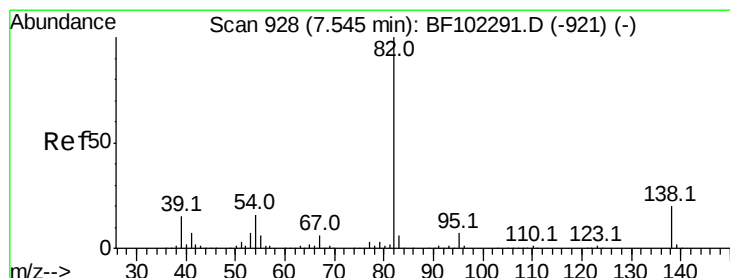
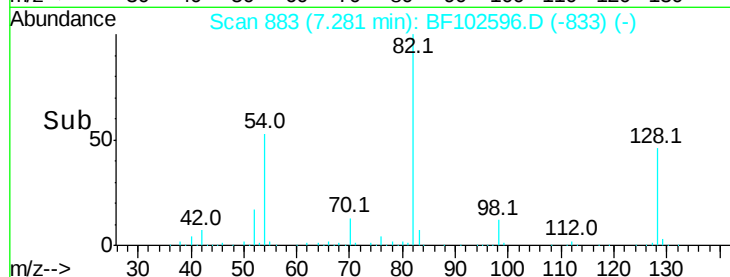
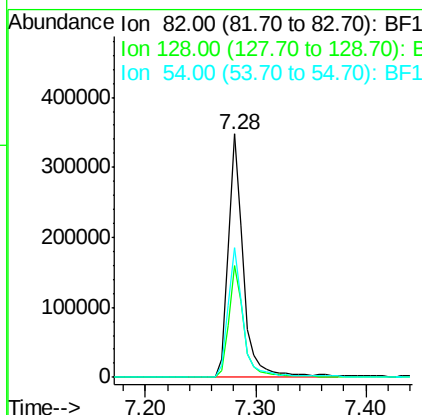
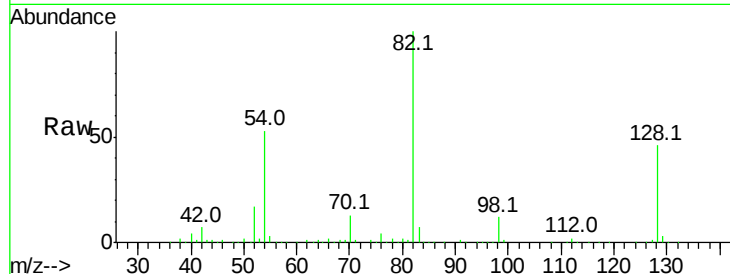




#23
Nitrobenzene-d5
Concen: 29.453 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

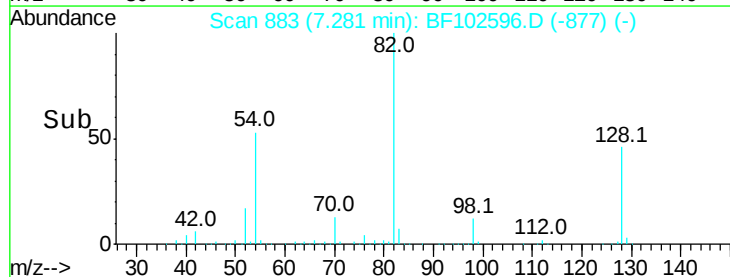
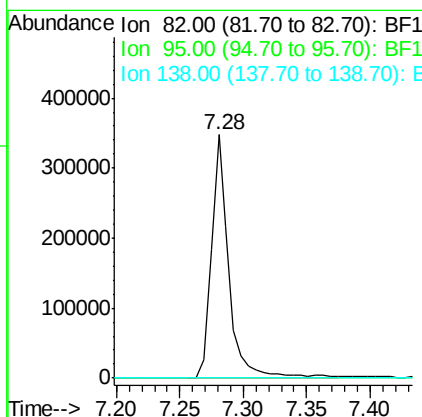
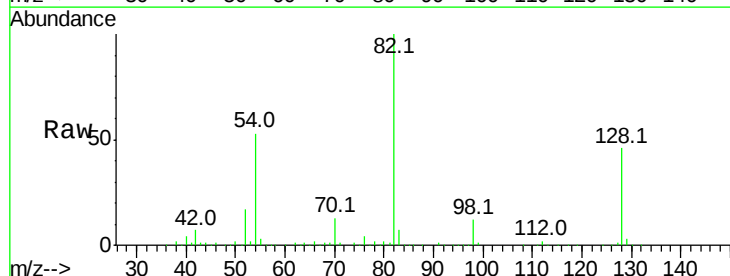
Instrument :
BNA_F
ClientSampled :

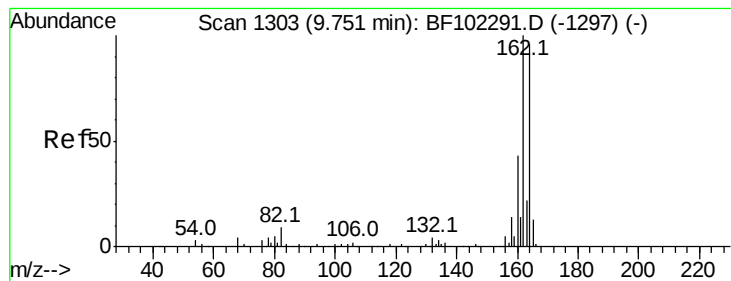
Tot Ion	82	Resp	333560
Ion Ratio	Lower	Upper	
82	100		
128	46.0	36.1	54.1
54	53.3	41.4	62.2



#25
Isophorone
Concen: 16.448 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.26 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	82	Resp	332081
Ion Ratio	Lower	Upper	
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

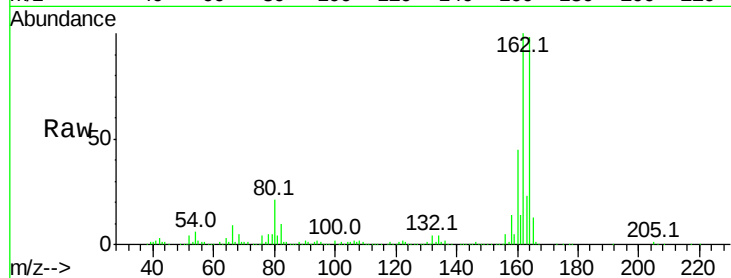
Tot Ion:164 Resp: 225105

Ion Ratio Lower Upper

164 100

162 101.7 86.1 129.1

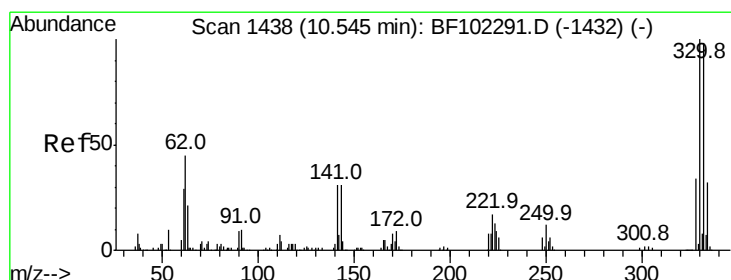
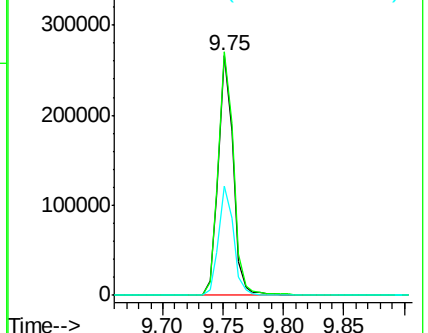
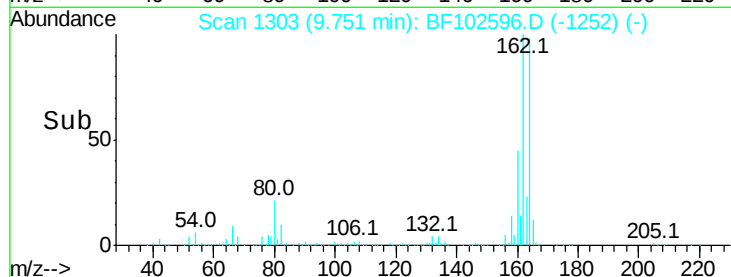
160 45.4 38.3 57.5



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: 31.786 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

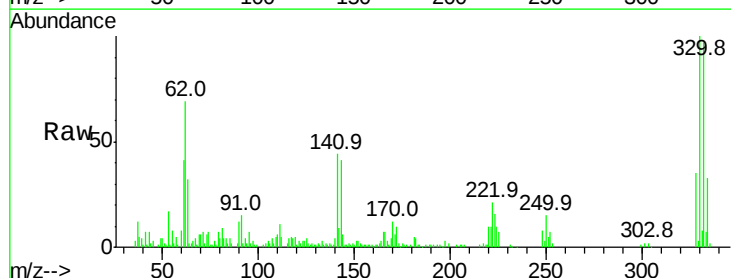
Tgt Ion:330 Resp: 70898

Ion Ratio Lower Upper

330 100

332 95.6 77.0 115.6

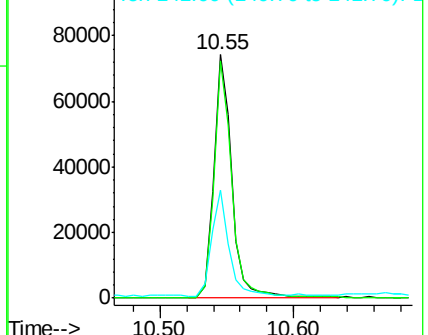
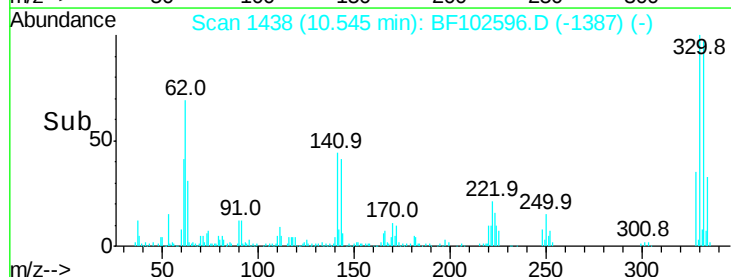
141 41.3 29.9 44.9

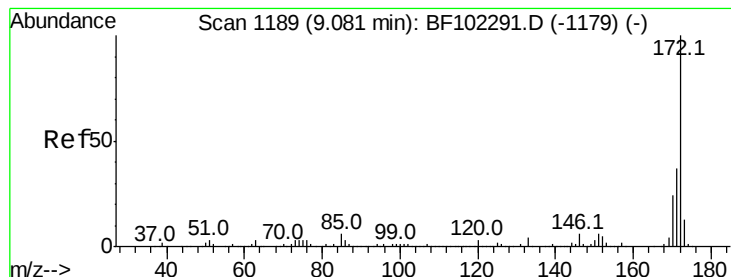


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 34.575 ng

RT: 9.07 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

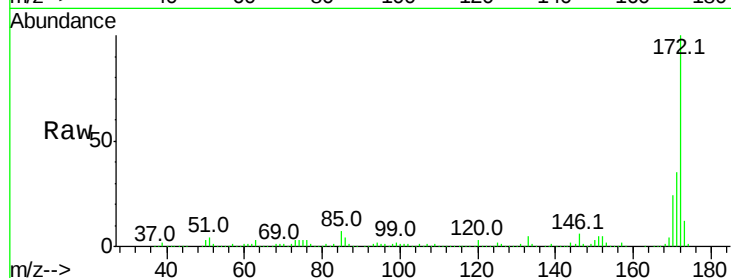
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 529332

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.5	19.6	29.4

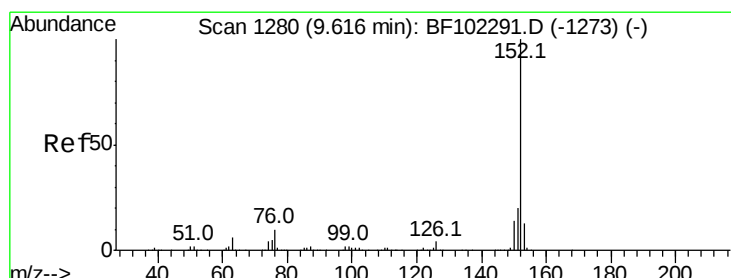
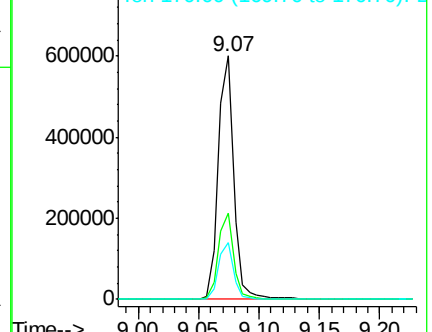
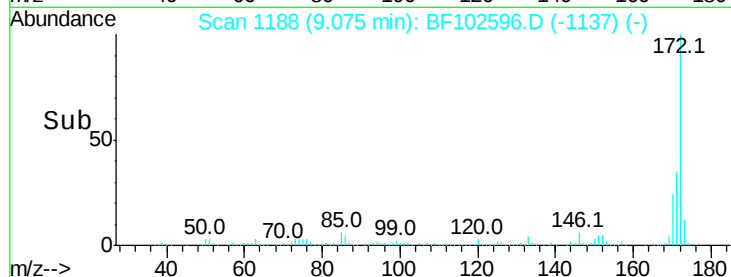


Abundance

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



#48

Acenaphthylene

Concen: 2.124 ng

RT: 9.62 min Scan# 1280

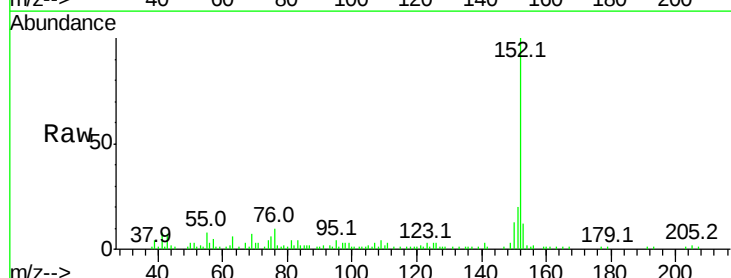
Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Tgt Ion:152 Resp: 51772

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.3	24.5
153	12.2	10.7	16.1

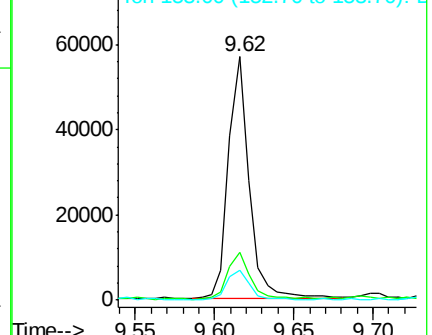
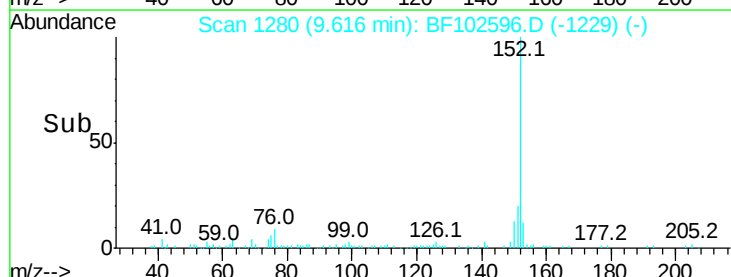


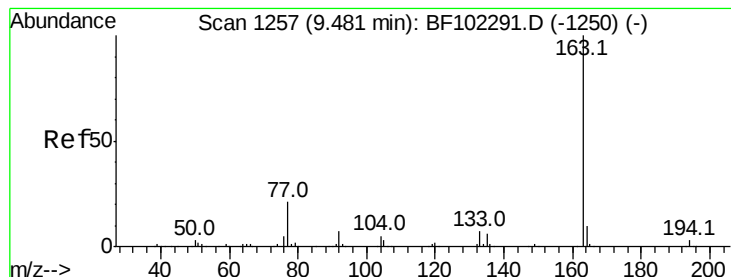
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 4.096 ng

RT: 9.47 min Scan# 1255

Delta R.T. -0.01 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

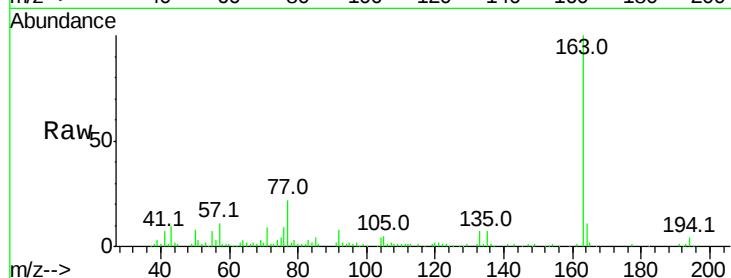
Tot Ion:163 Resp: 76204

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

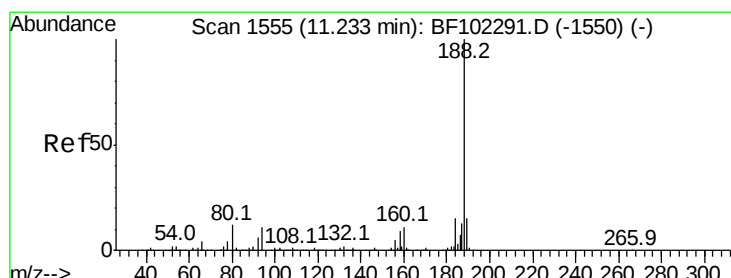
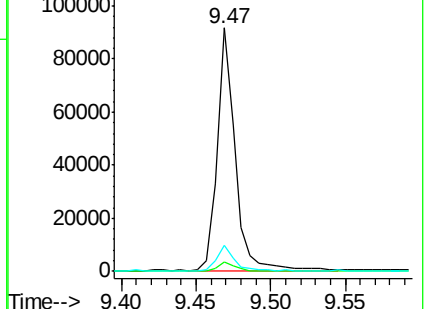
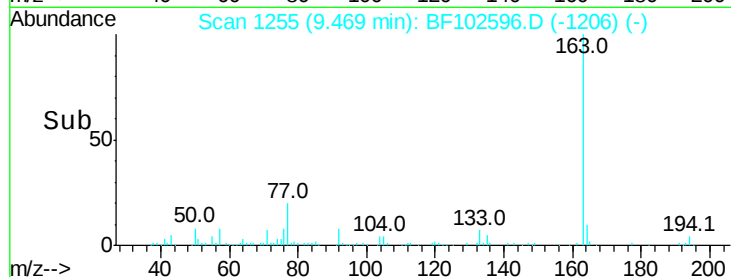
164 10.6 8.2 12.2



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: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

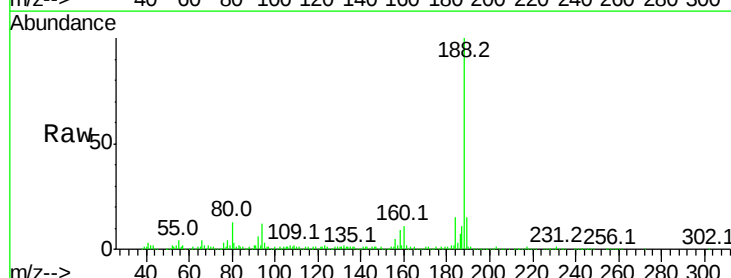
Tgt Ion:188 Resp: 334569

Ion Ratio Lower Upper

188 100

94 11.9 8.5 12.7

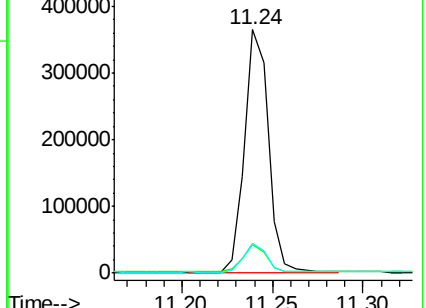
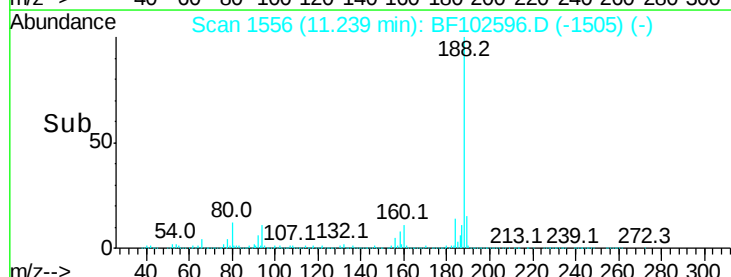
80 12.5 9.2 13.8

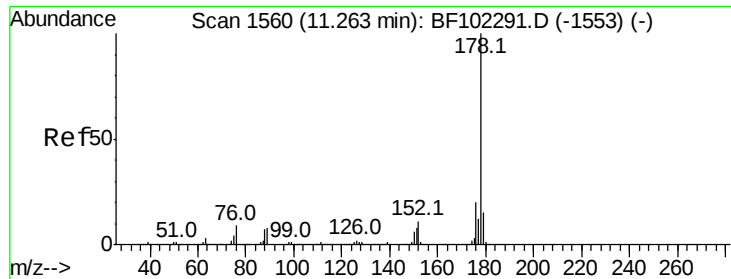


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 8.768 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

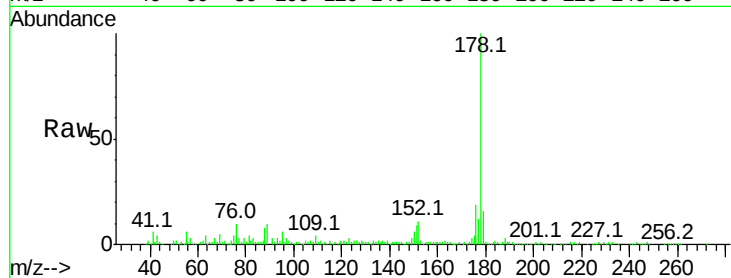
Tot Ion:178 Resp: 170946

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

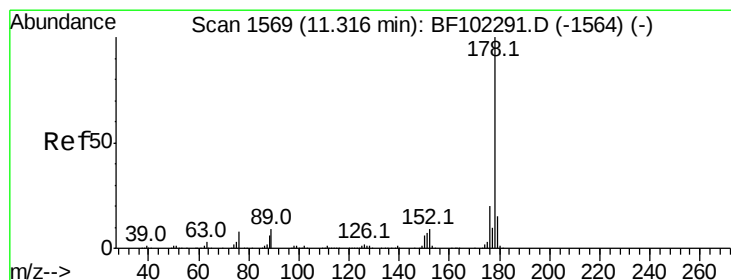
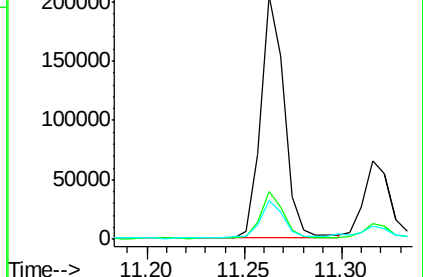
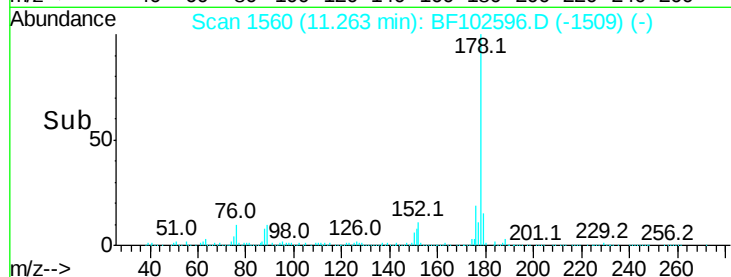
179 15.9 13.0 19.6



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



#71

Anthracene

Concen: 3.106 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.00 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

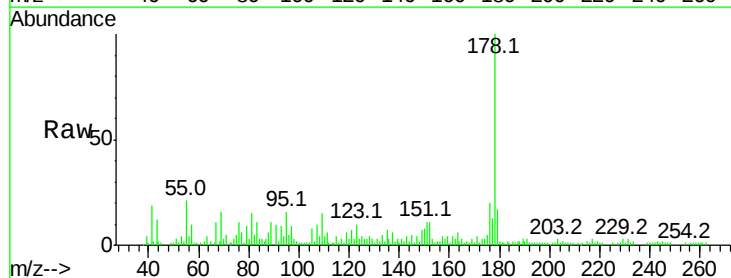
Tgt Ion:178 Resp: 61800

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

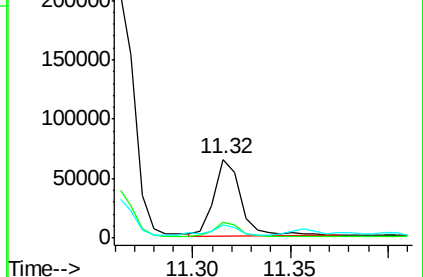
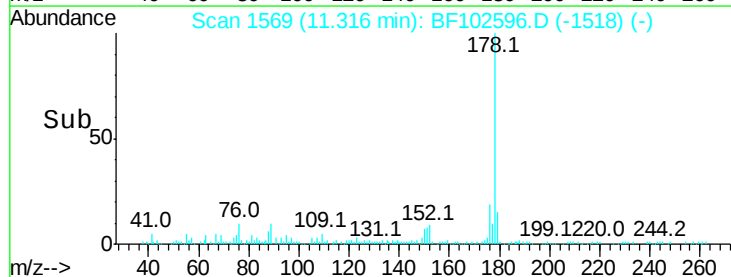
179 16.6 12.6 19.0

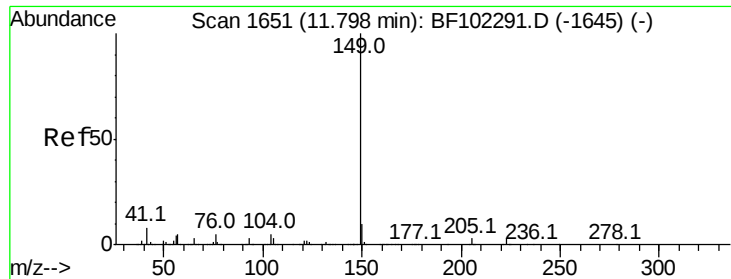


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

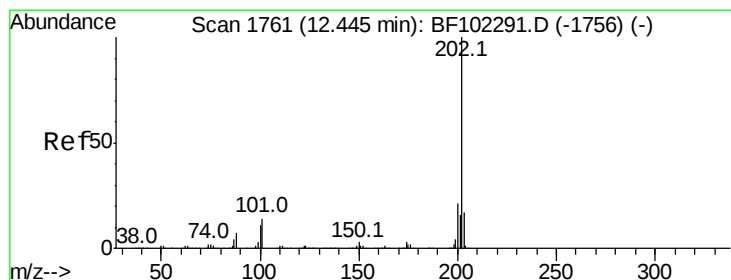
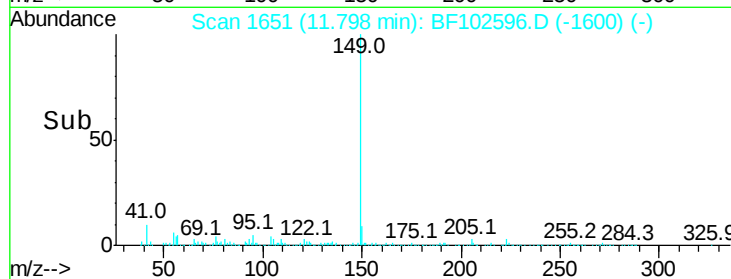
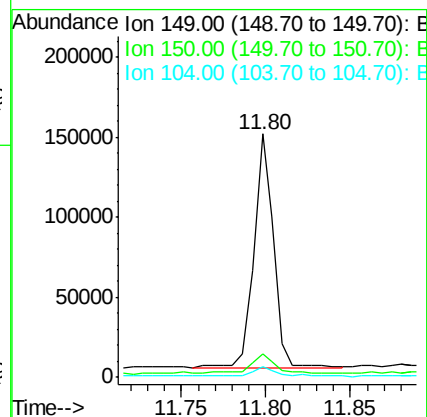
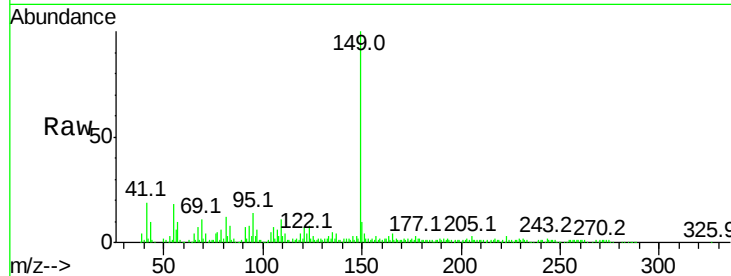




#73
Di-n-butylphthalate
Concen: 4.955 ng
RT: 11.80 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

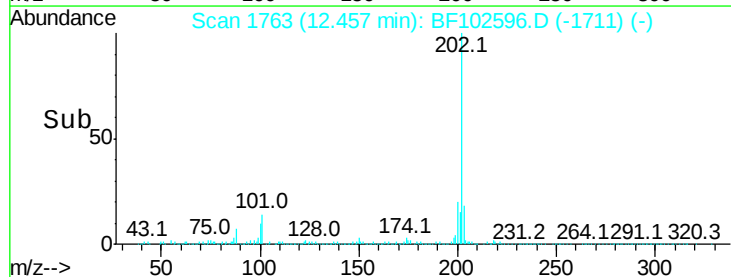
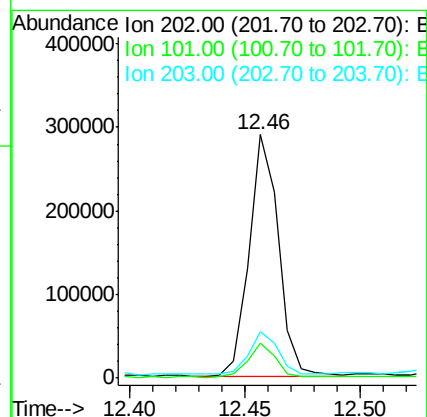
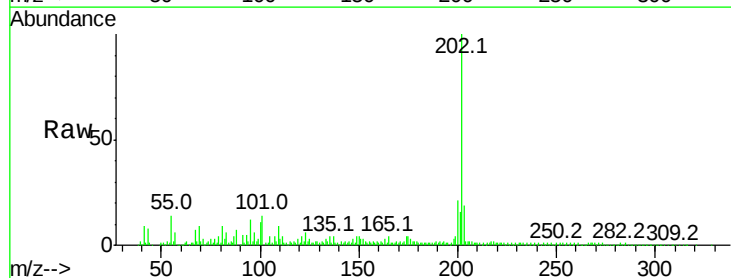
Instrument :
BNA_F
ClientSampleId :

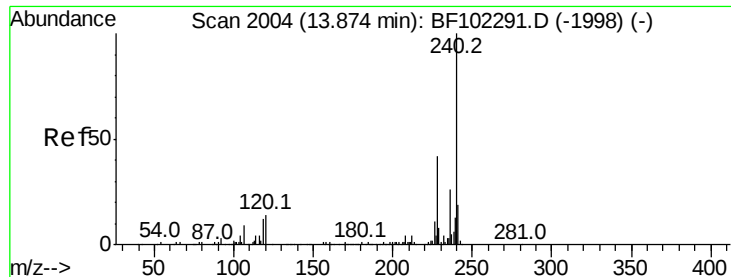
Tot Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.8	11.6
104	4.6	3.8	5.8



#74
Fluoranthene
Concen: 12.920 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.1
203	19.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.02 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

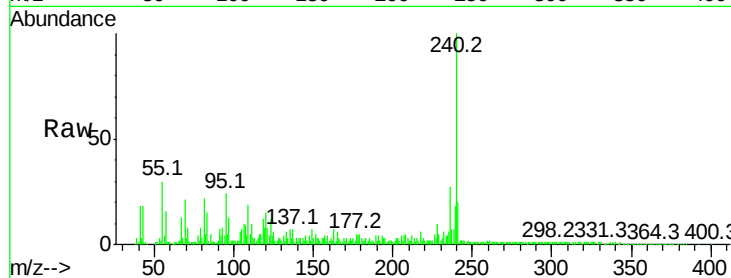
Tot Ion:240 Resp: 276527

Ion Ratio Lower Upper

240 100

120 15.0 9.5 14.3#

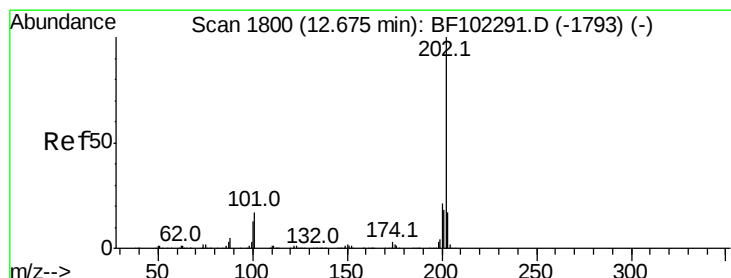
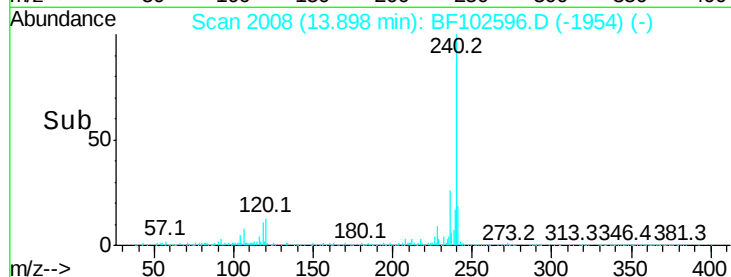
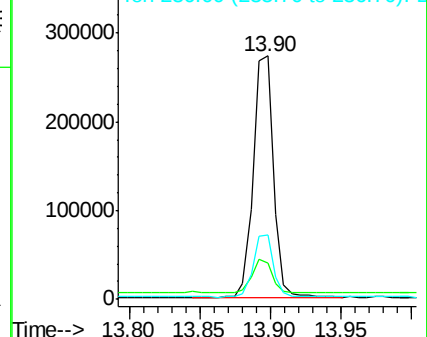
236 26.6 20.7 31.1



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: 11.463 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.01 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

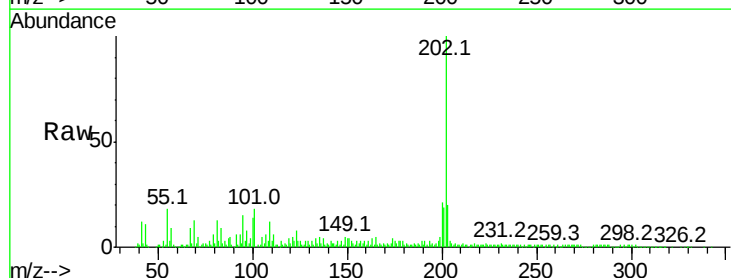
Tgt Ion:202 Resp: 245083

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

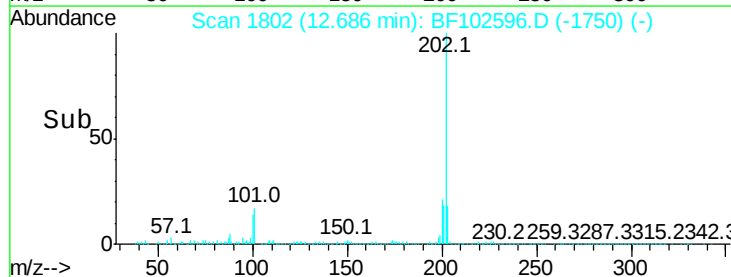
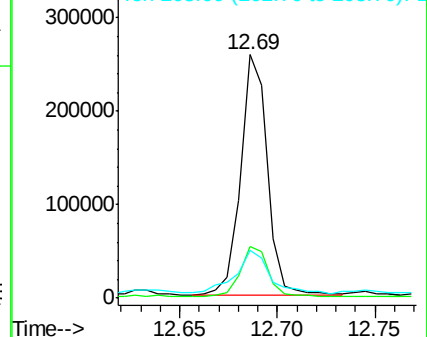
203 19.6 14.3 21.5

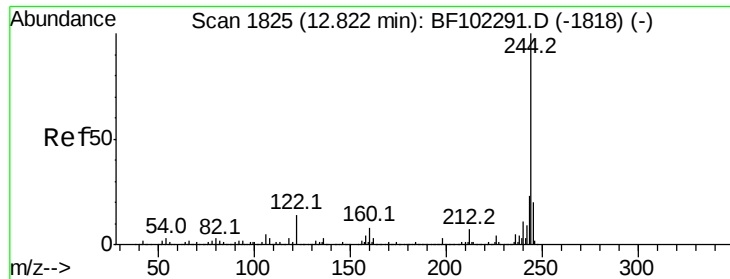


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 28.781 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.01 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

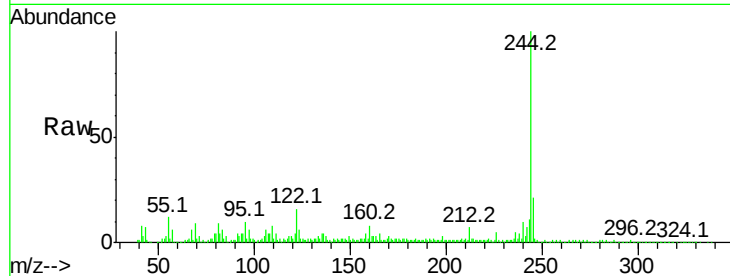
Tot Ion:244 Resp: 353039

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

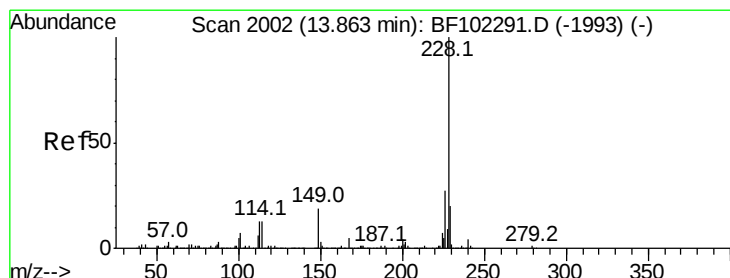
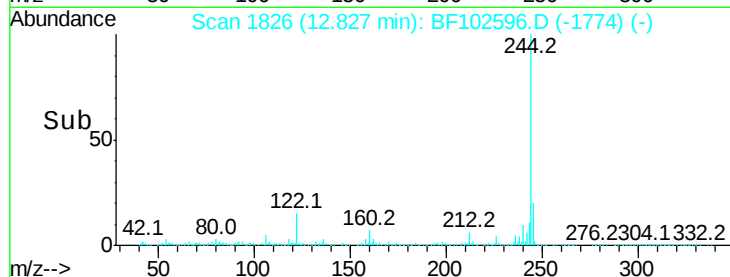
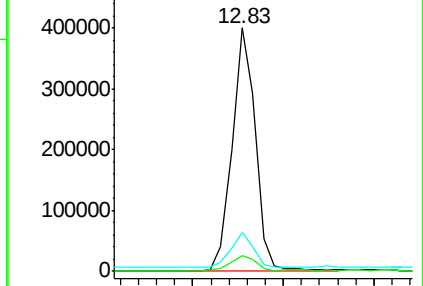
122 15.9 11.0 16.4



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: 6.989 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.02 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

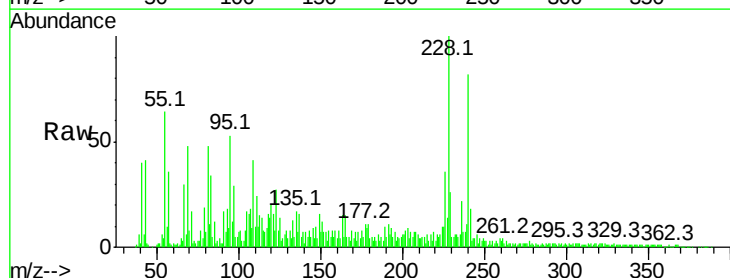
Tgt Ion:228 Resp: 118985

Ion Ratio Lower Upper

228 100

226 35.6 22.6 33.8#

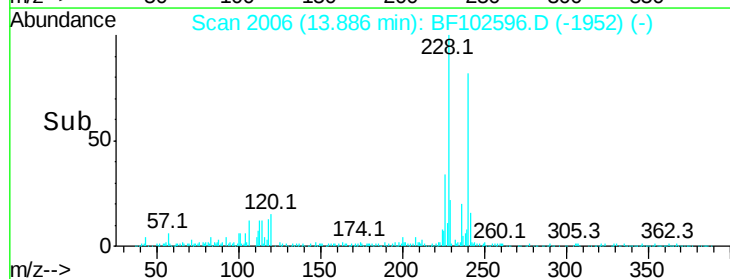
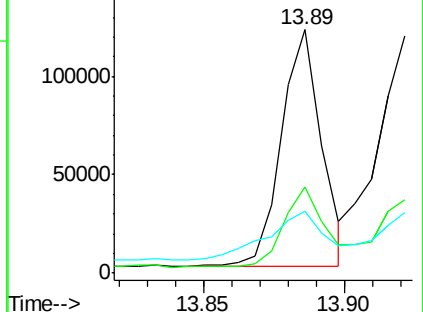
229 25.5 15.8 23.6#

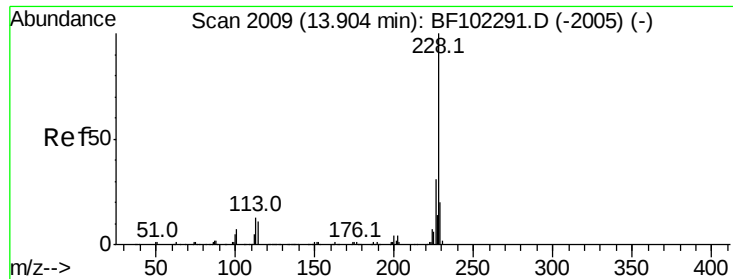


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 7.265 ng

RT: 13.92 min Scan# 2012

Delta R.T. 0.01 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

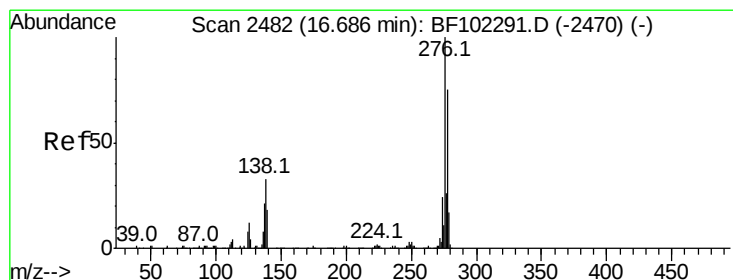
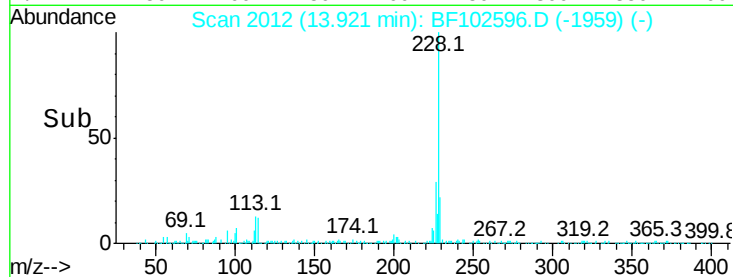
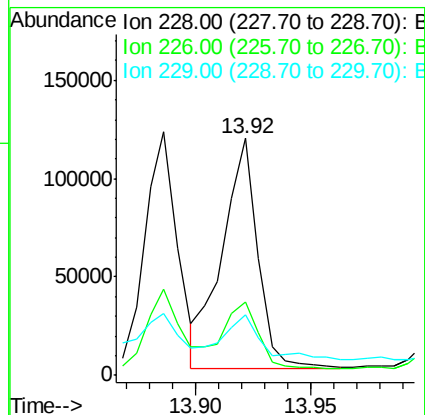
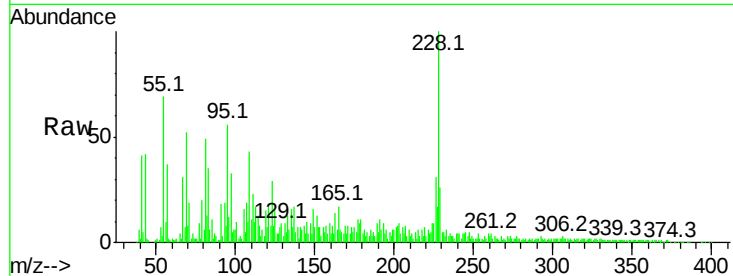
Tot Ion:228 Resp: 125601

Ion Ratio Lower Upper

228 100

226 31.0 25.0 37.6

229 25.5 16.2 24.4#



#85

Indeno(1,2,3-cd)pyrene

Concen: 4.699 ng

RT: 16.76 min Scan# 2495

Delta R.T. 0.05 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

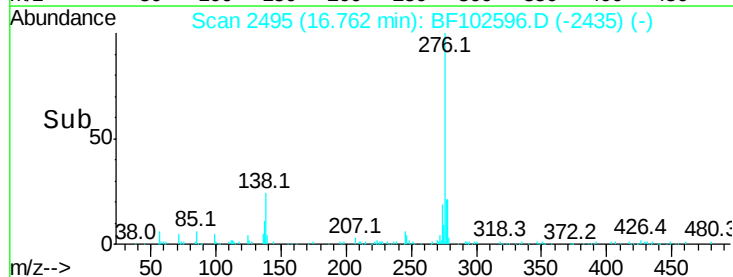
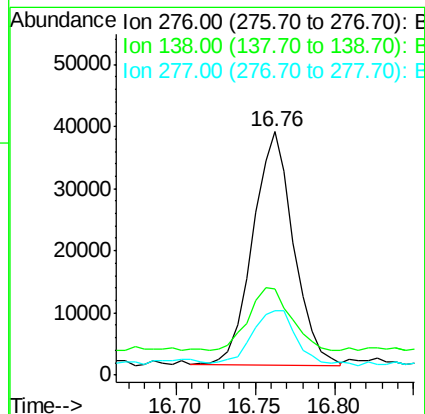
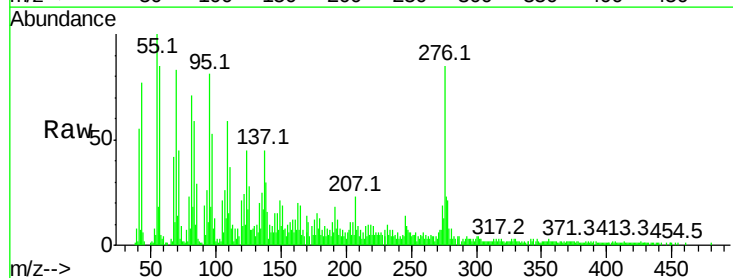
Tgt Ion:276 Resp: 67093

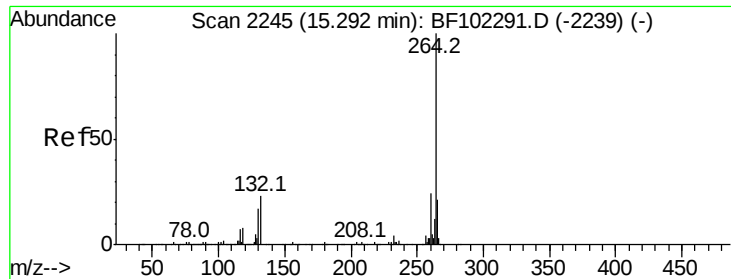
Ion Ratio Lower Upper

276 100

138 28.2 25.0 37.6

277 26.9 20.1 30.1

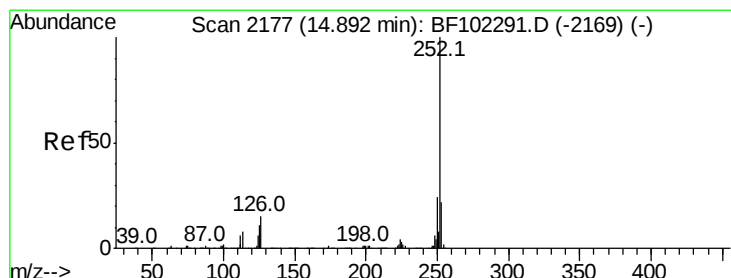
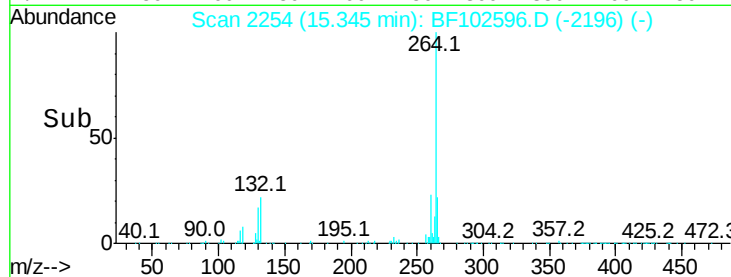
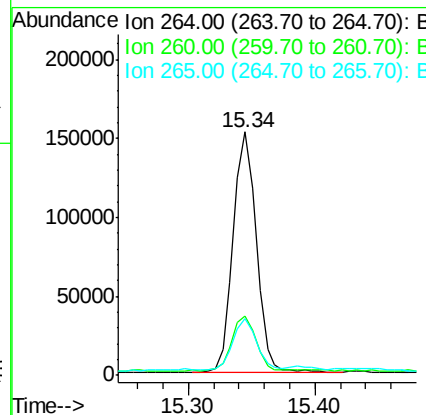
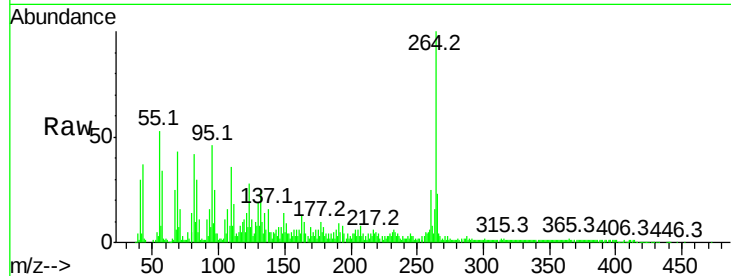




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.04 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

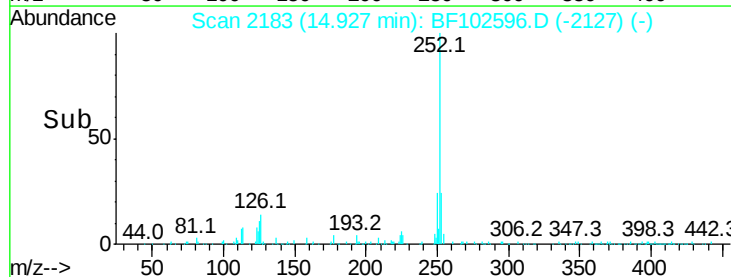
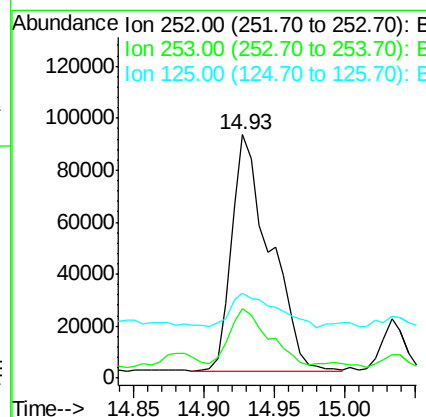
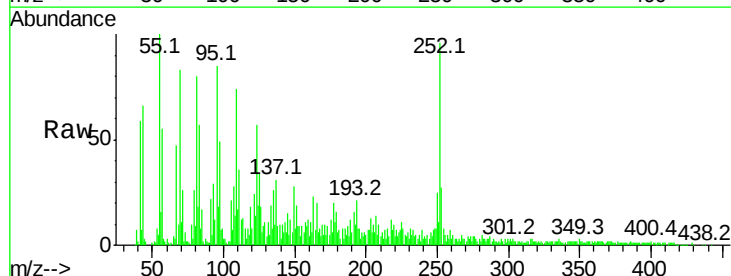
Instrument :
BNA_F
ClientSampleId :

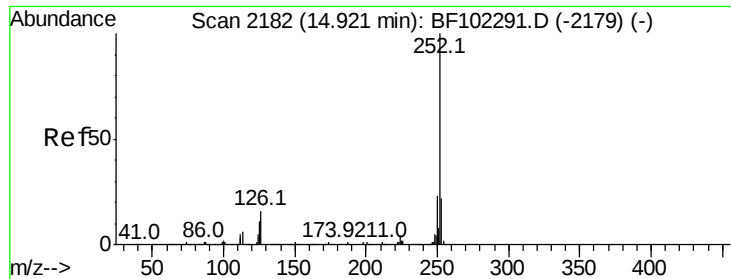
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	23.5	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 13.719 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.03 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.0	25.6#
125	35.0	9.0	13.6#

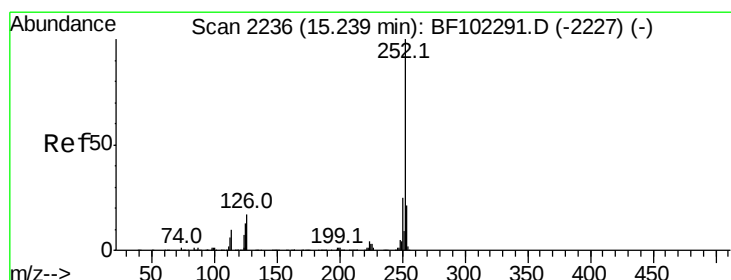
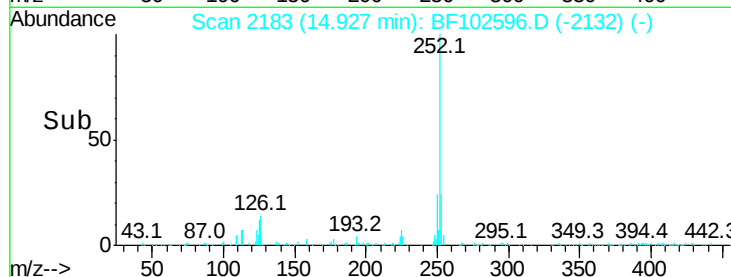
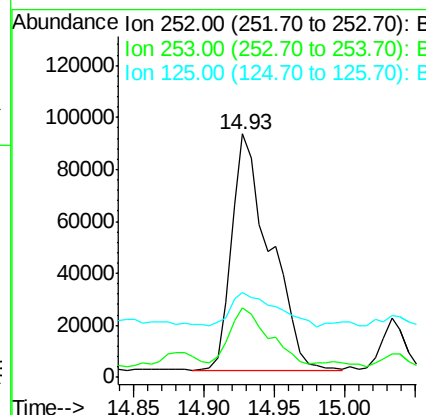
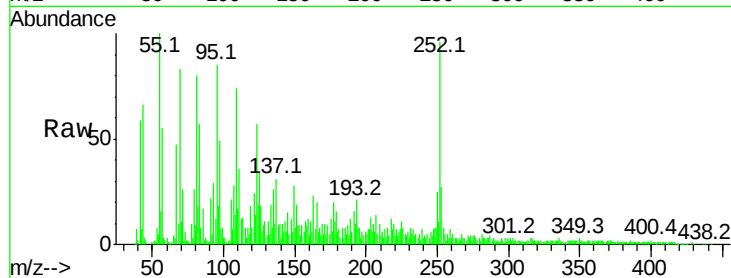




#88
Benzo(k)fluoranthene
Concen: 14.520 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

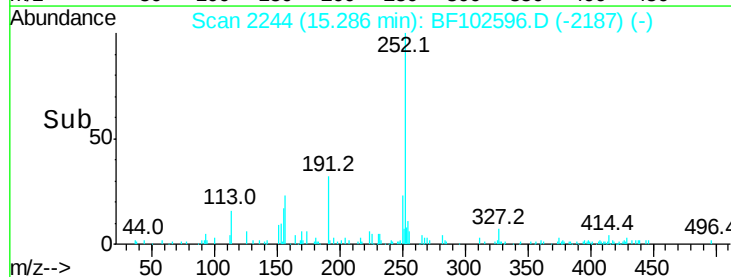
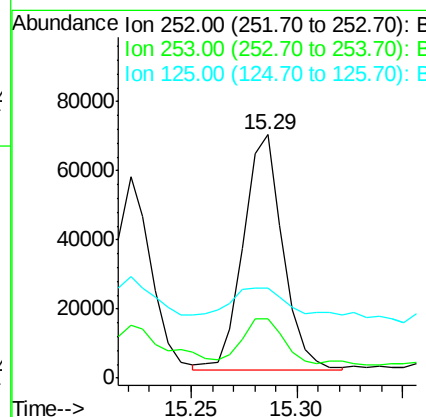
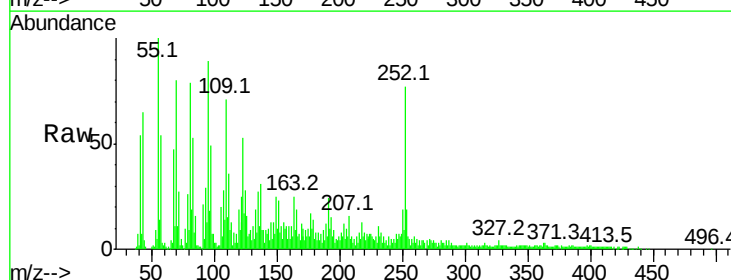
Instrument :
BNA_F
ClientSampleId :

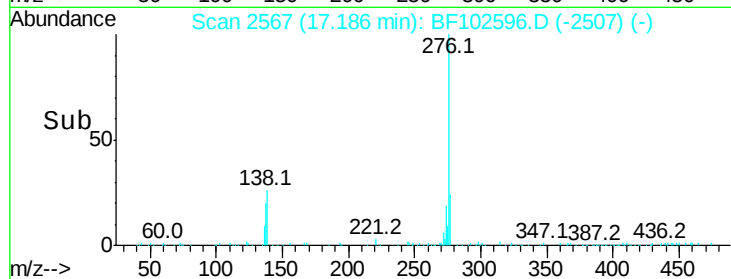
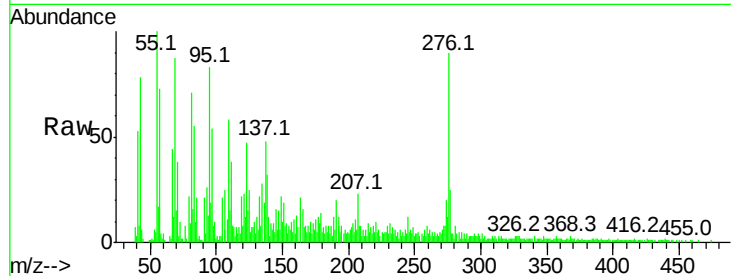
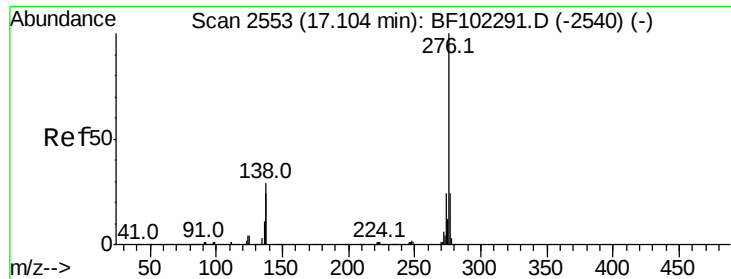
Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.9	26.9#
125	35.0	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 7.811 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.04 min
Lab File: BF102596.D
Acq: 29 Jan 2018 14:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	37.1	9.8	14.6#





#91

Benzo(a,h,i)perylene

Concen: 8.342 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.05 min

Lab File: BF102596.D

Acq: 29 Jan 2018 14:36

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 75690

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 35.8 21.8 32.8#

