

Data Path : U:\HPCHEM1\BNA F\DATA\BF012618\
 Data File : BF102496.D
 Acq On : 27 Jan 2018 5:13
 Operator : SJ/JU
 Sample : J1257-01DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 06:01:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 26 16:18:07 2018
 Response via : Initial Calibration

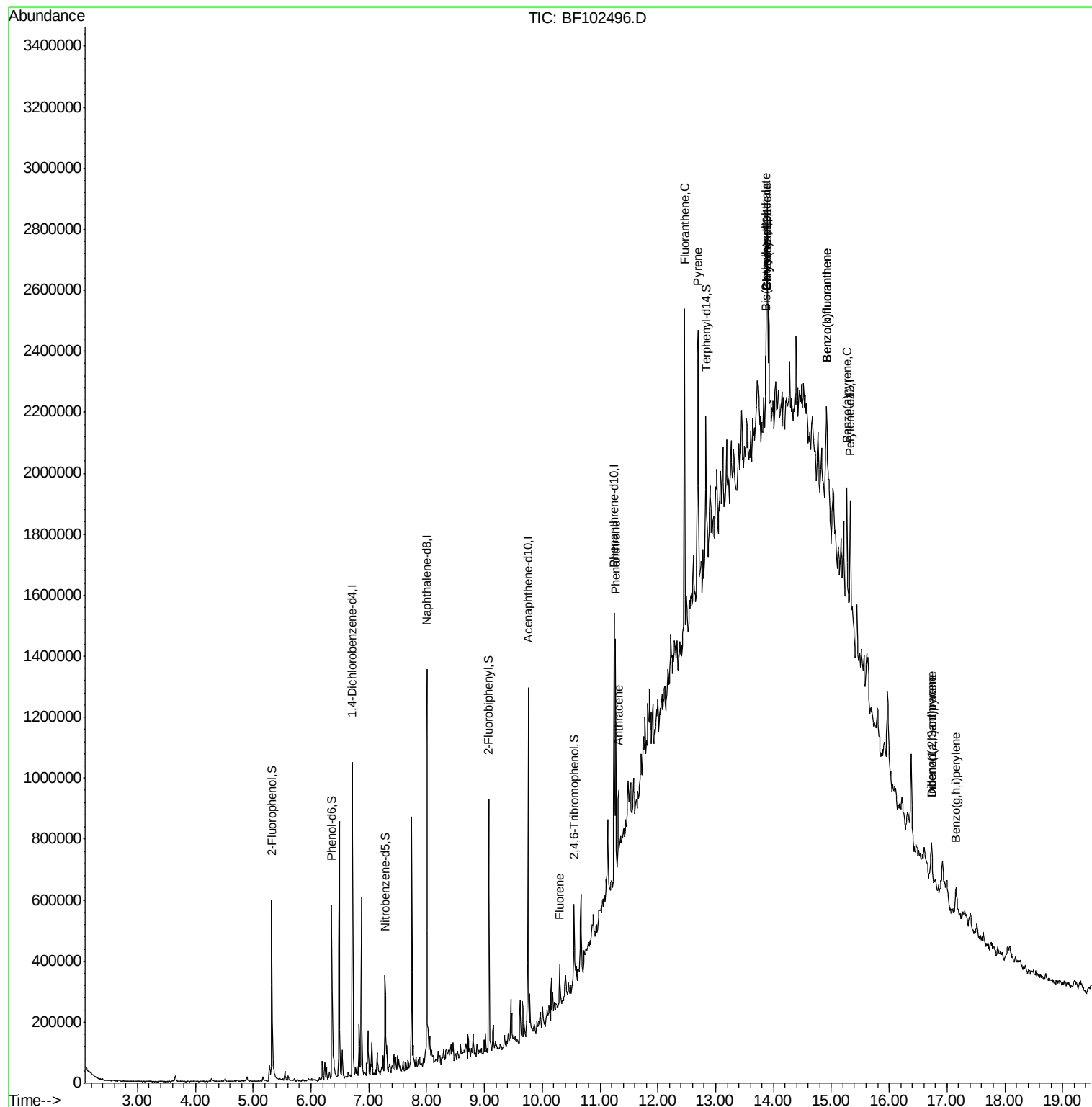
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	153567	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	600999	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	235165	20.00	ng	0.00
63) Phenanthrene-d10	11.25	188	325584	20.00	ng	0.00
75) Chrysene-d12	13.89	240	239283	20.00	ng	0.01
86) Perylene-d12	15.33	264	173984	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	203558	20.10	ng	0.00
7) Phenol-d6	6.36	99	245772	20.13	ng	0.00
23) Nitrobenzene-d5	7.28	82	120180	11.49	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	31211	13.39	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	268937	16.82	ng	0.00
78) Terphenyl-d14	12.83	244	170587	16.07	ng	0.00
Target Compounds						
57) Fluorene	10.30	166	33478	2.099	ng	Qvalue # 94
70) Phenanthrene	11.27	178	287815	15.170	ng	99
71) Anthracene	11.32	178	121399	6.269	ng	98
74) Fluoranthene	12.46	202	486683	25.155	ng	98
77) Pyrene	12.69	202	430533	23.271	ng	100
80) Benzo(a)anthracene	13.88	228	220893	14.994	ng	98
82) Chrysene	13.88	228	220893	14.765	ng	96
83) Bis(2-ethylhexyl)phthalate	13.86	149	68107	5.504	ng	97
85) Indeno(1,2,3-cd)pyrene	16.73	276	75625	6.121	ng	95
87) Benzo(b)fluoranthene	14.92	252	251082	22.265	ng	# 78
88) Benzo(k)fluoranthene	14.92	252	251082	23.567	ng	# 81
89) Benzo(a)pyrene	15.27	252	127482	12.535	ng	# 79
90) Dibenzo(a,h)anthracene	16.73	278	20855	2.531	ng	# 61
91) Benzo(a,h,i)perylene	17.16	276	75090	9.231	ng	92

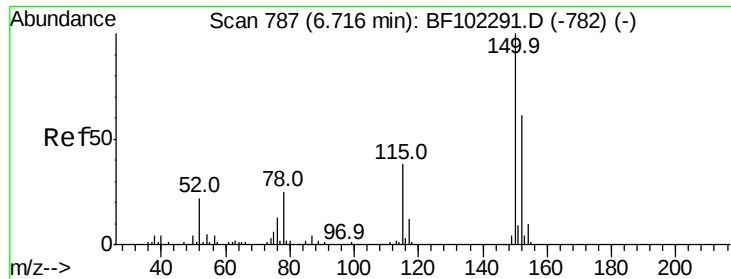
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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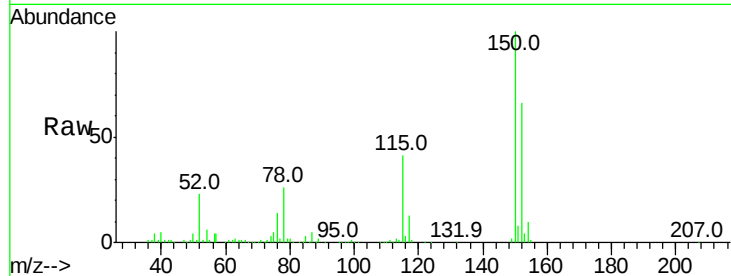


#1

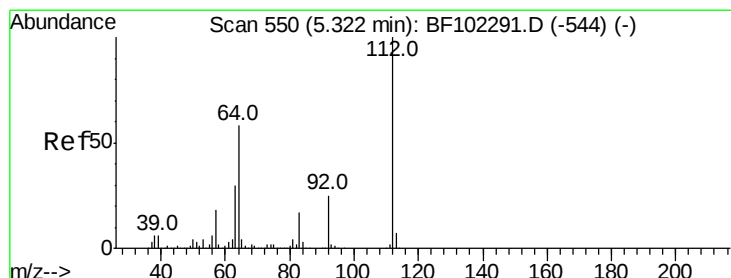
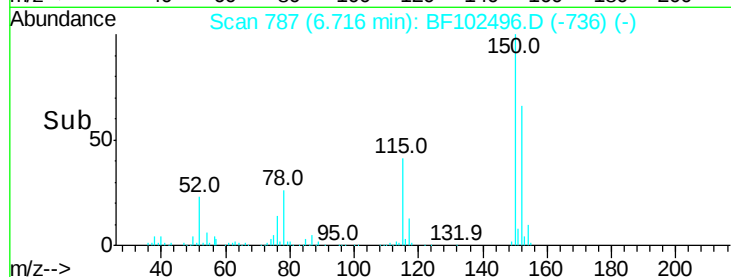
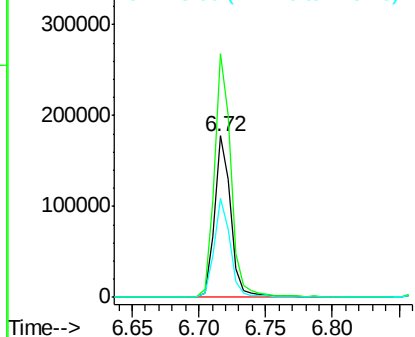
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 153567
Ion Ratio Lower Upper
152 100
150 151.1 124.6 186.8
115 61.4 50.1 75.1



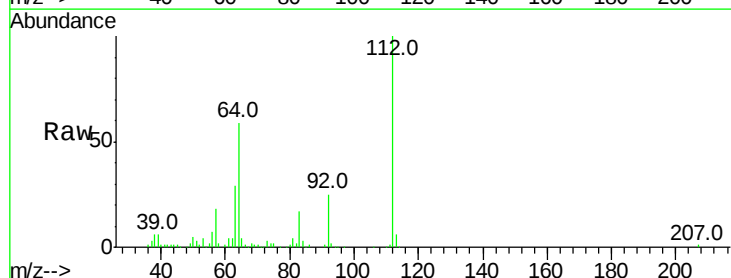
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



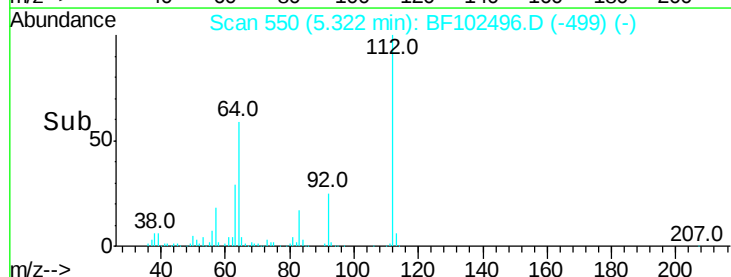
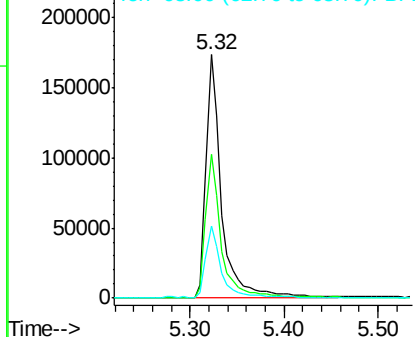
#5

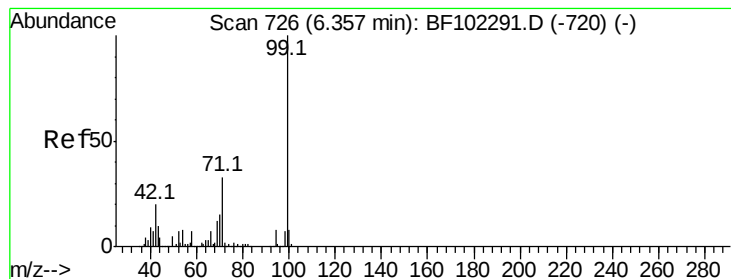
2-Fluorophenol
Concen: 20.099 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion:112 Resp: 203558
Ion Ratio Lower Upper
112 100
64 58.8 47.9 71.9
63 29.4 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: 20.128 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampled :

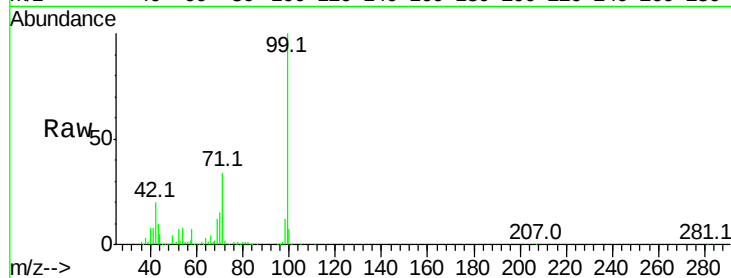
Tot Ion: 99 Resp: 245772

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

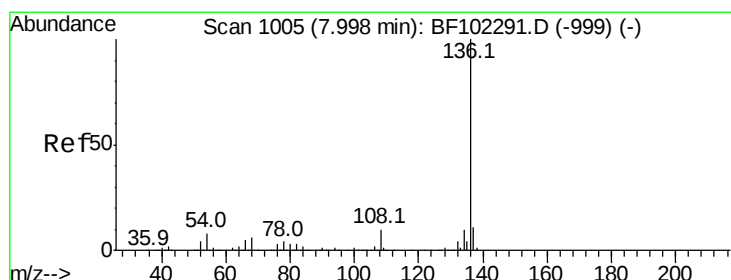
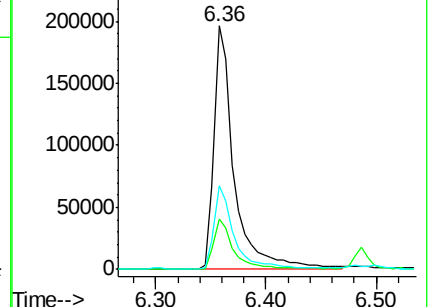
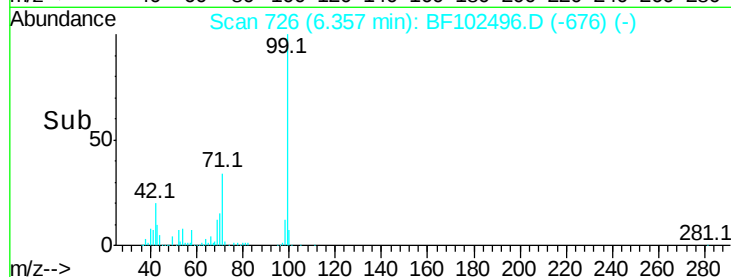
71 34.3 25.4 38.0



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# 1006

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Tgt Ion: 136 Resp: 600999

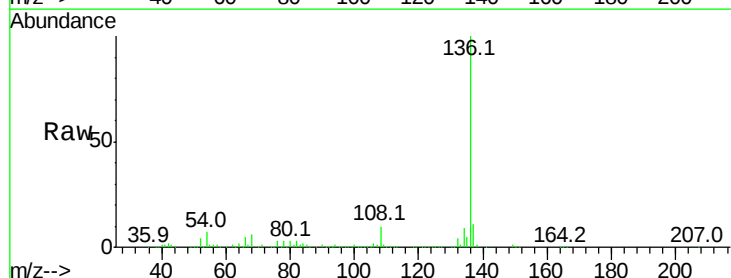
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.3 6.6 9.8

68 5.7 5.0 7.4

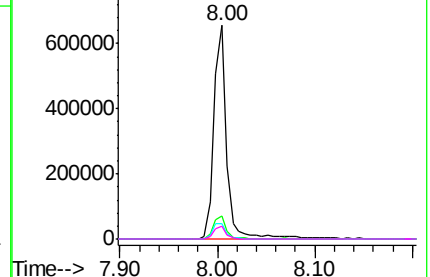
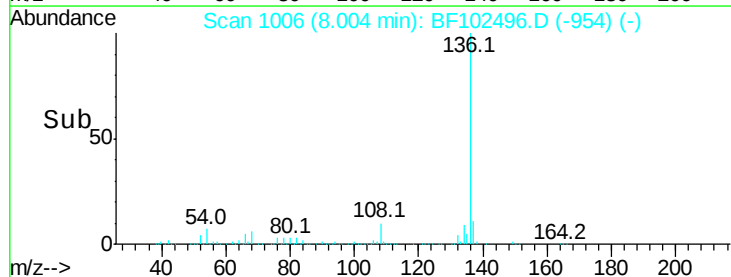


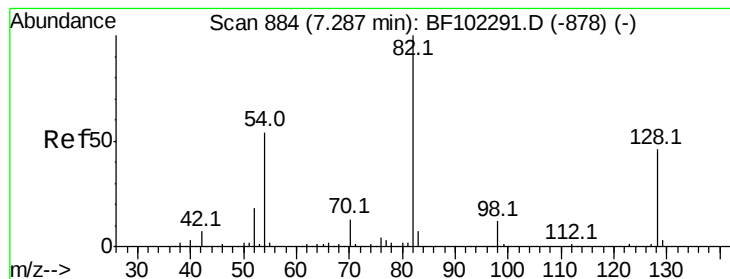
Abundance Ion 136.00 (135.70 to 136.70): E

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: 11.491 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampled :

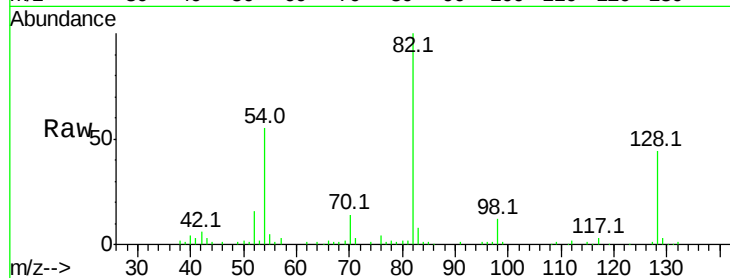
Tot Ion: 82 Resp: 120180

Ion Ratio Lower Upper

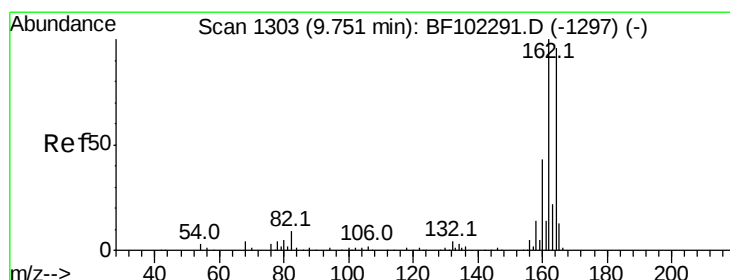
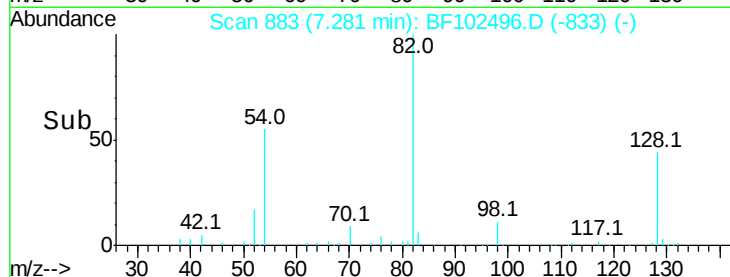
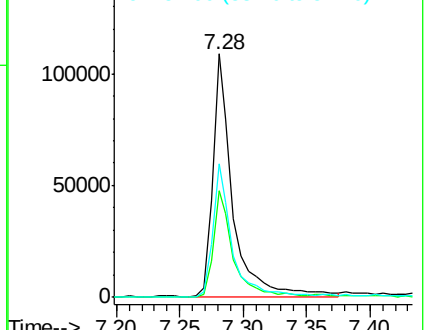
82 100

128 43.8 36.1 54.1

54 54.6 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

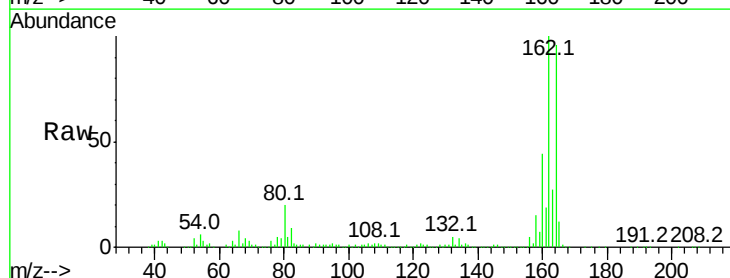
Tgt Ion:164 Resp: 235165

Ion Ratio Lower Upper

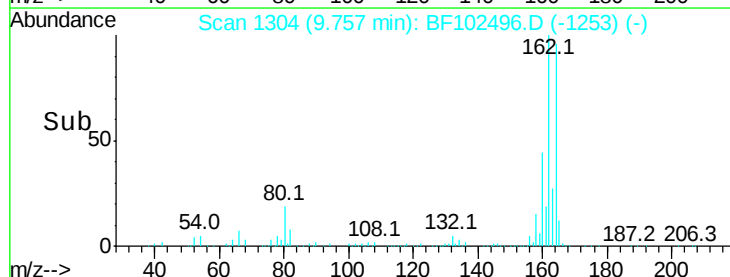
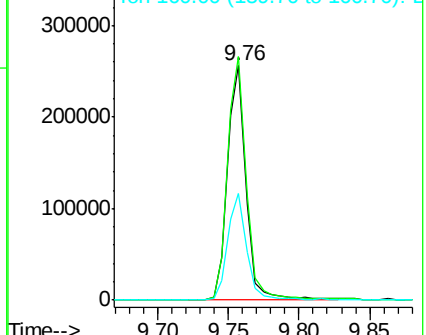
164 100

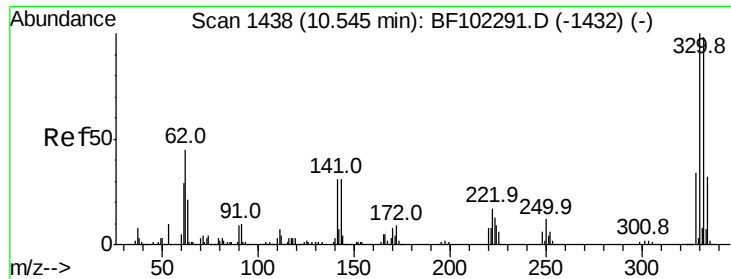
162 104.0 86.1 129.1

160 45.3 38.3 57.5



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

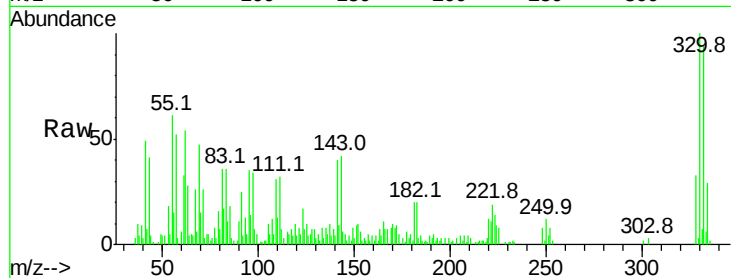




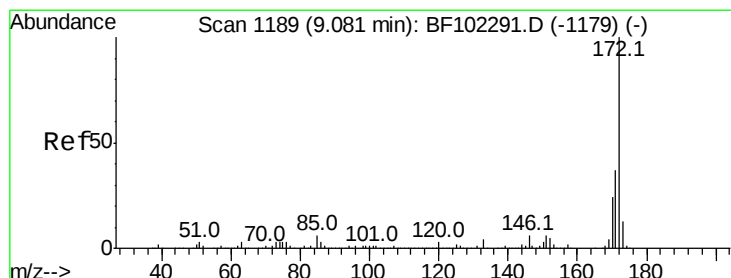
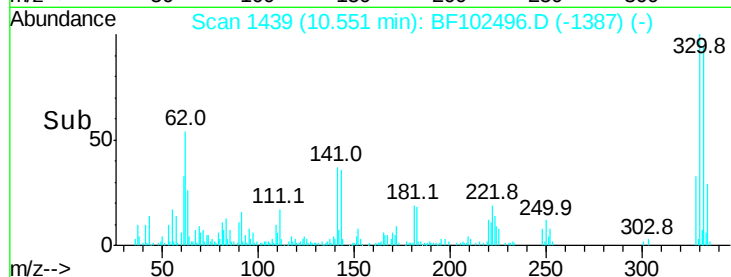
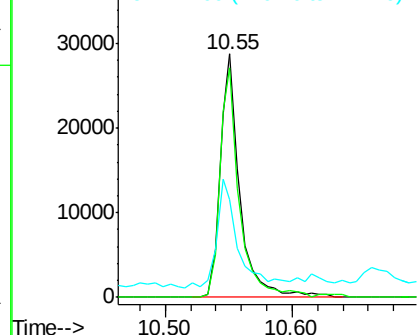
#41
 2,4,6-Tribromophenol
 Concen: 13.394 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 31211
 Ion Ratio Lower Upper
 330 100
 332 93.5 77.0 115.6
 141 49.0 29.9 44.9#

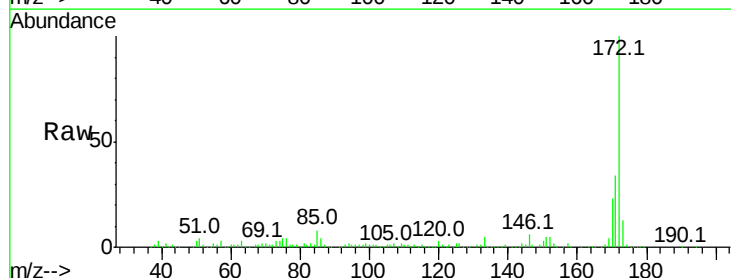


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

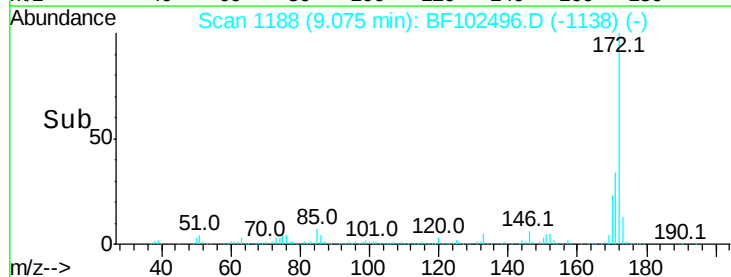
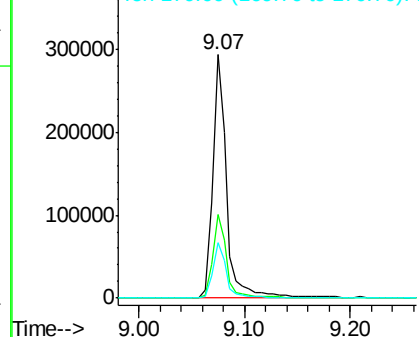


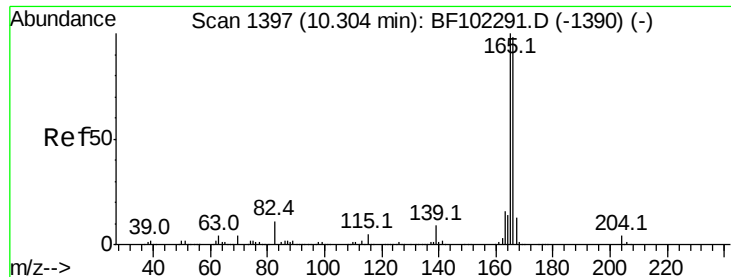
#44
 2-Fluorobiphenyl
 Concen: 16.815 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Tgt Ion:172 Resp: 268937
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.7 44.5
 170 22.9 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





#57

Fluorene

Concen: 2.099 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.00 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampleId :

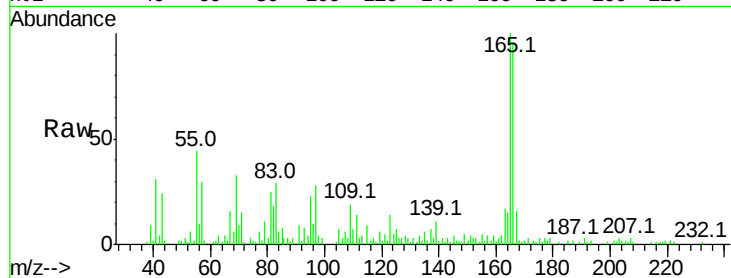
Tot Ion:166 Resp: 33478

Ion Ratio Lower Upper

166 100

165 105.4 79.8 119.8

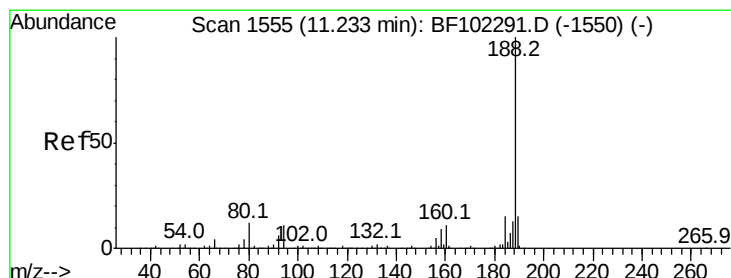
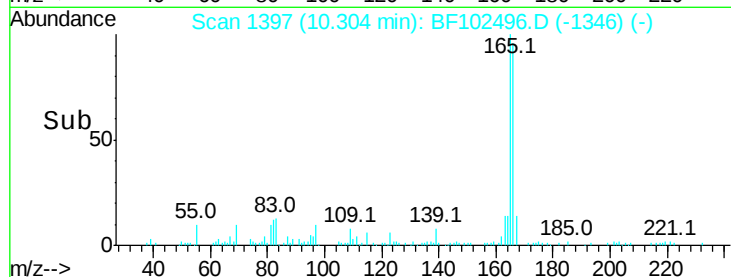
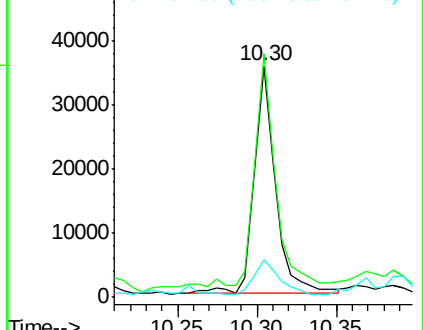
167 16.4 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1557

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

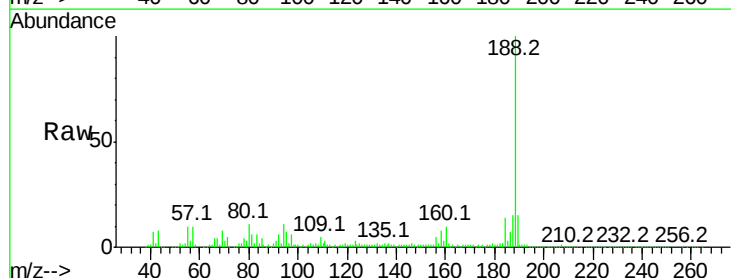
Tgt Ion:188 Resp: 325584

Ion Ratio Lower Upper

188 100

94 11.2 8.5 12.7

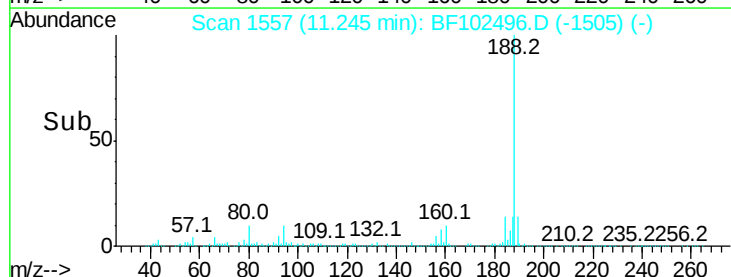
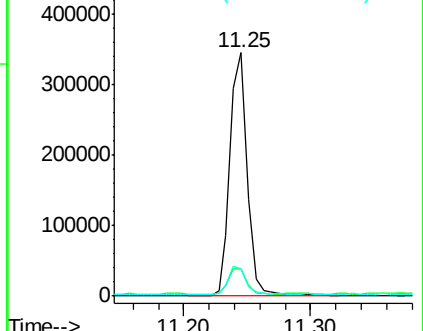
80 11.1 9.2 13.8

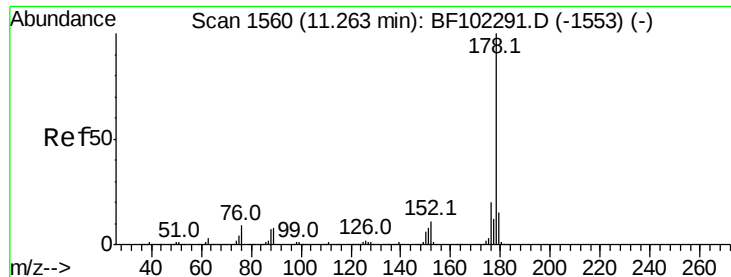


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 15.170 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.00 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampleId :

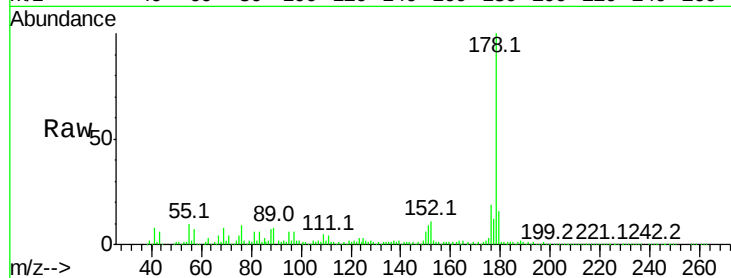
Tot Ion:178 Resp: 287815

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

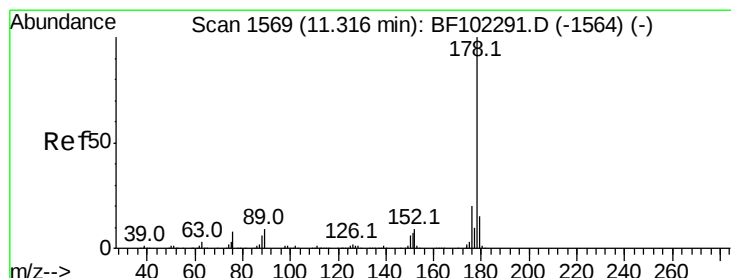
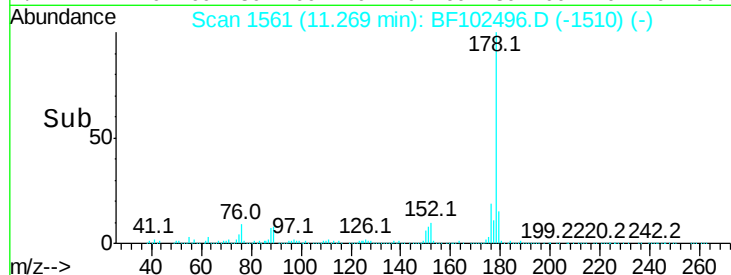
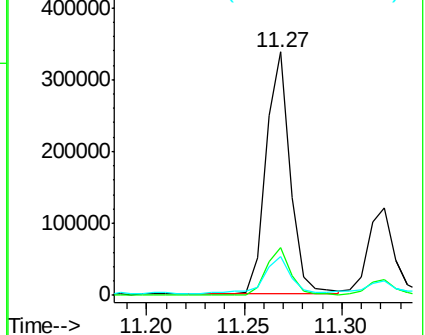
179 16.0 13.0 19.6



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



#71

Anthracene

Concen: 6.269 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

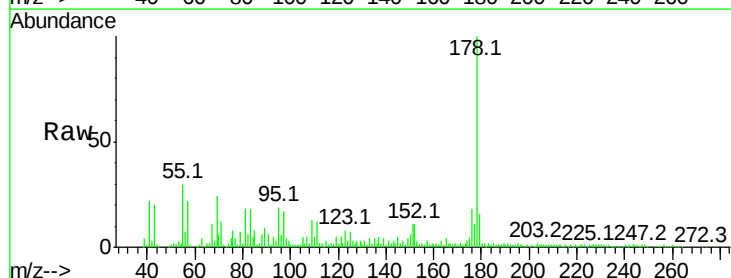
Tgt Ion:178 Resp: 121399

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

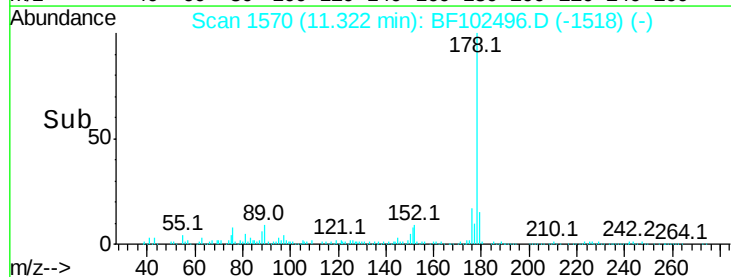
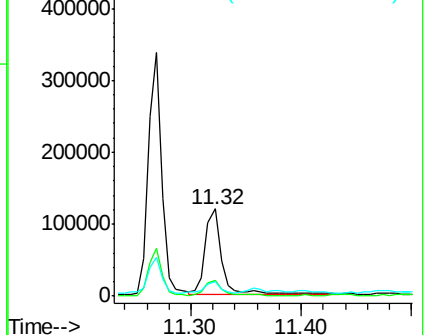
179 16.2 12.6 19.0

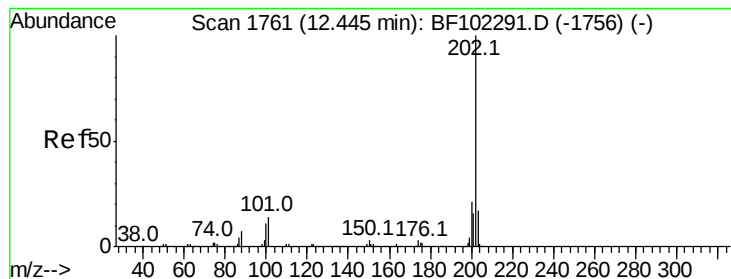


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 25.155 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampleId :

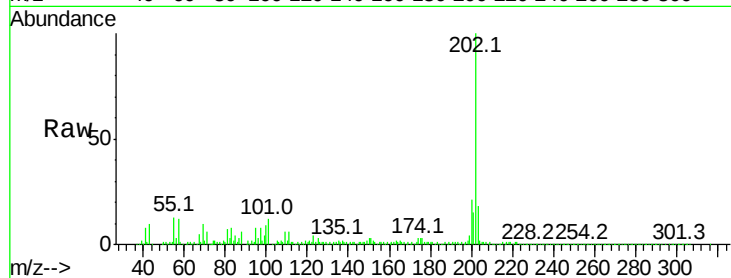
Tot Ion:202 Resp: 486683

Ion Ratio Lower Upper

202 100

101 12.3 0.0 34.1

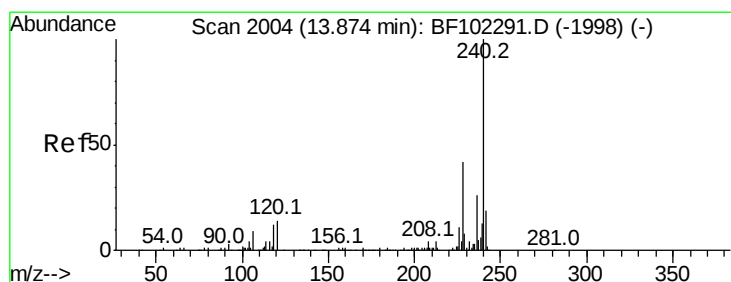
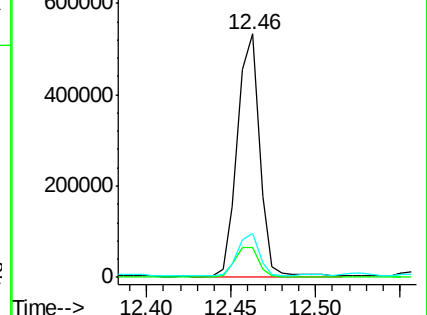
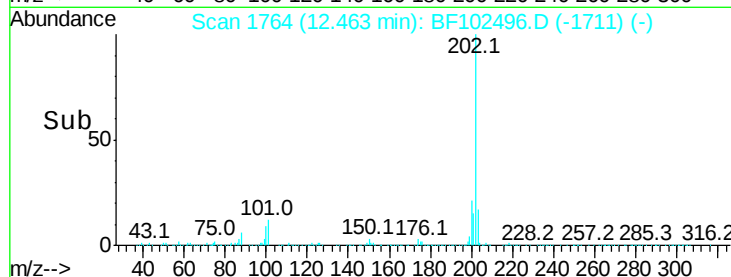
203 17.9 0.0 38.1



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: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

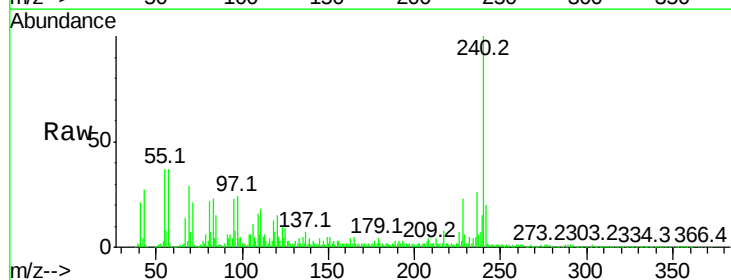
Tgt Ion:240 Resp: 239283

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

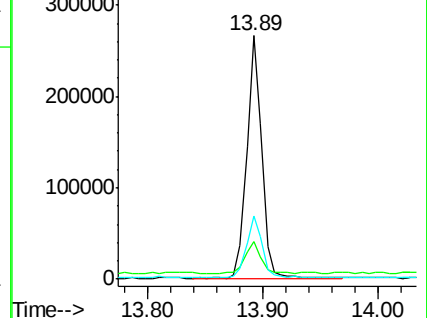
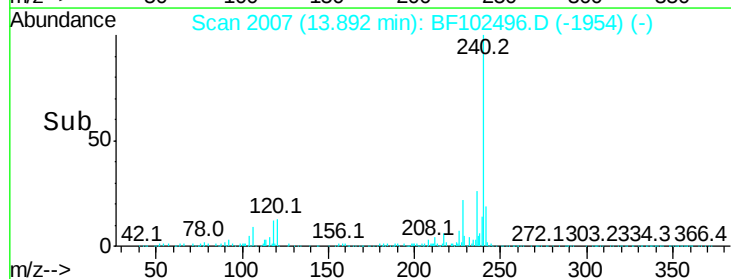
236 26.1 20.7 31.1

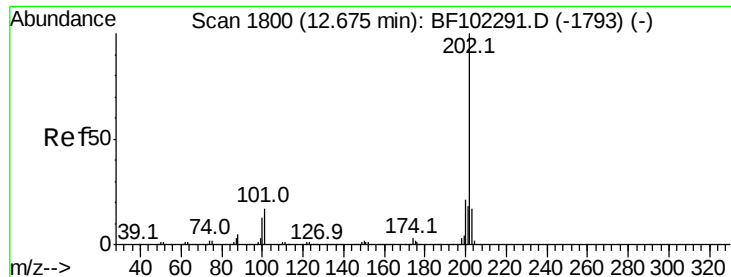


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 23.271 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampleId :

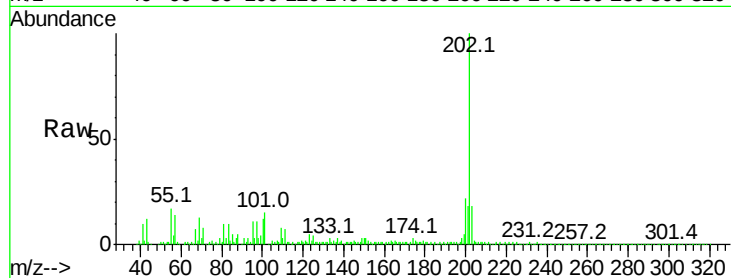
Tot Ion:202 Resp: 430533

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

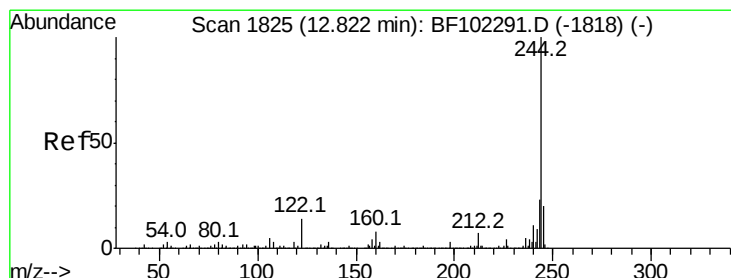
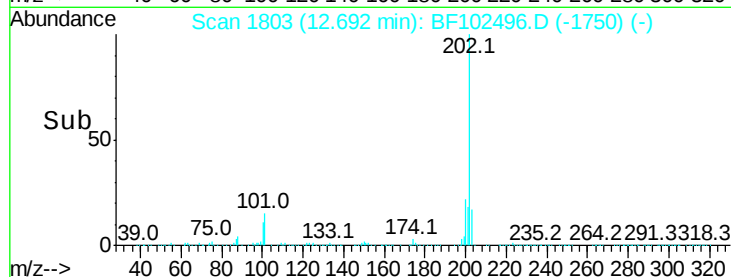
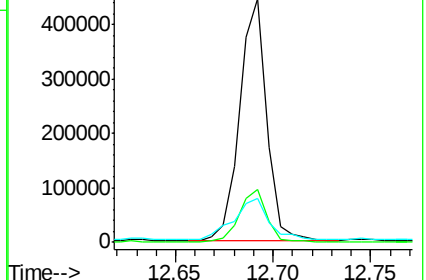
203 18.1 14.3 21.5



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: 16.072 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

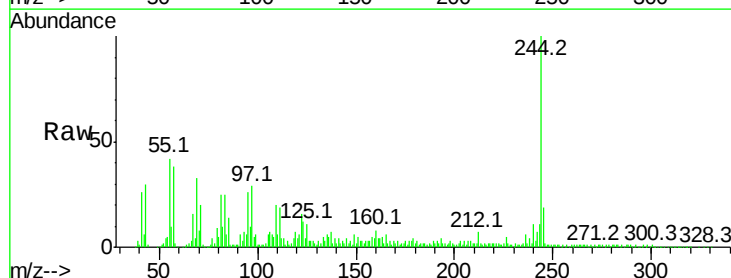
Tgt Ion:244 Resp: 170587

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

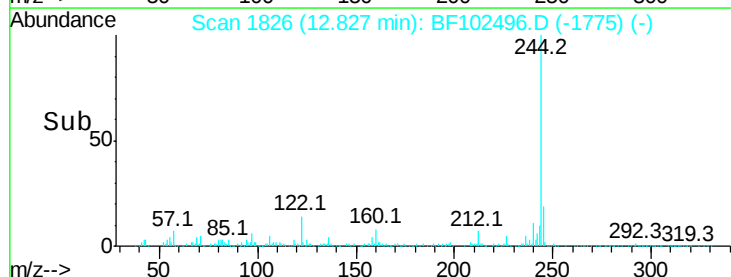
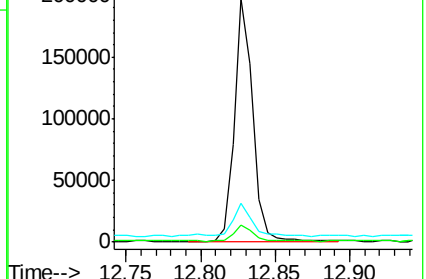
122 15.7 11.0 16.4

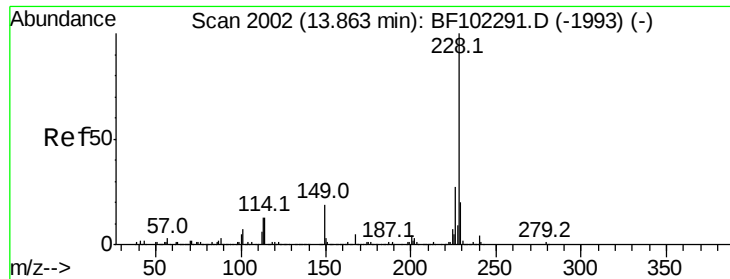


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 14.994 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampleId :

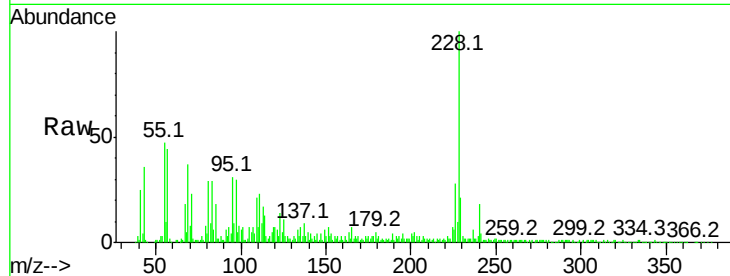
Tot Ion:228 Resp: 220893

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

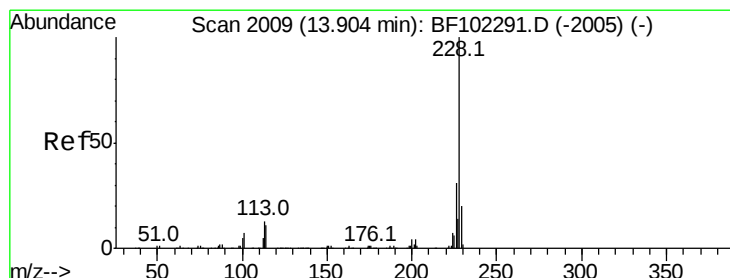
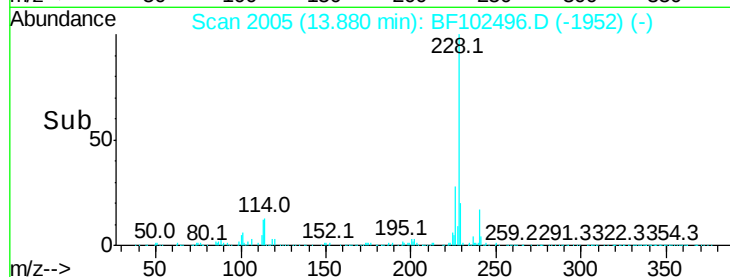
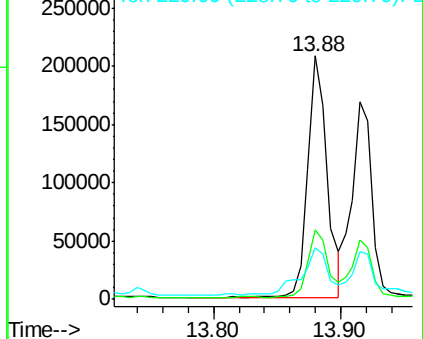
229 21.3 15.8 23.6



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



#82

Chrysene

Concen: 14.765 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.03 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

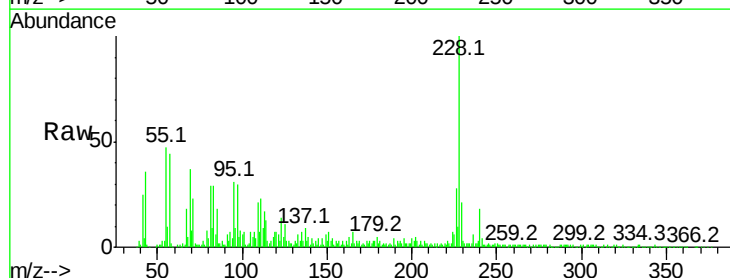
Tgt Ion:228 Resp: 220893

Ion Ratio Lower Upper

228 100

226 28.4 25.0 37.6

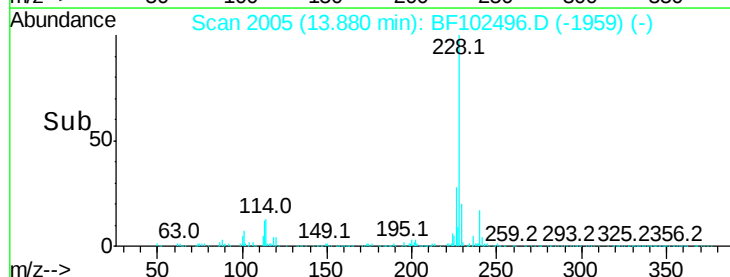
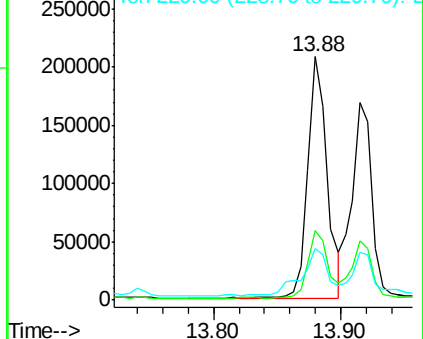
229 21.3 16.2 24.4

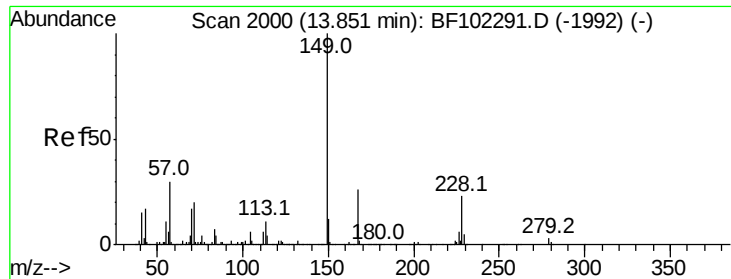


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

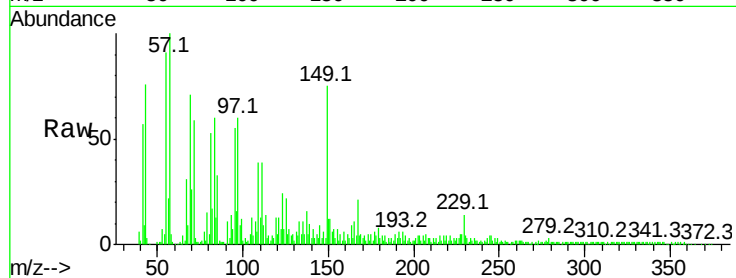




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.504 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.3	31.9
279	4.1	3.0	4.4

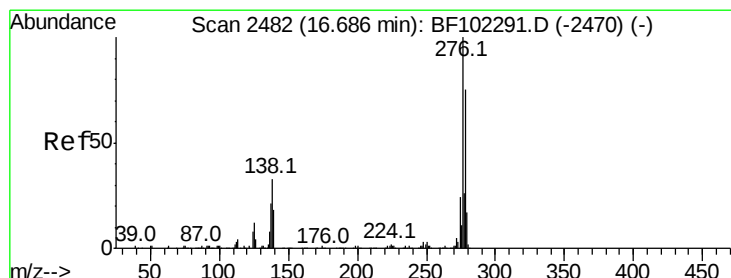
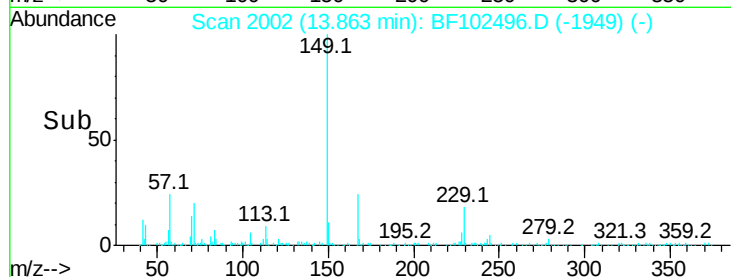
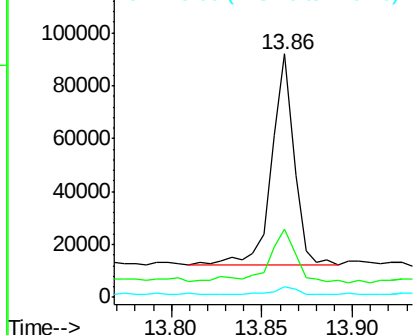


Abundance

Ion 149.00 (148.70 to 149.70): E

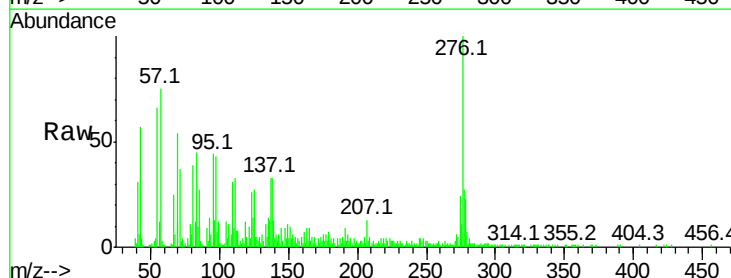
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.121 ng
 RT: 16.73 min Scan# 2490
 Delta R.T. 0.03 min
 Lab File: BF102496.D
 Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	25.0	37.6
277	26.0	20.1	30.1

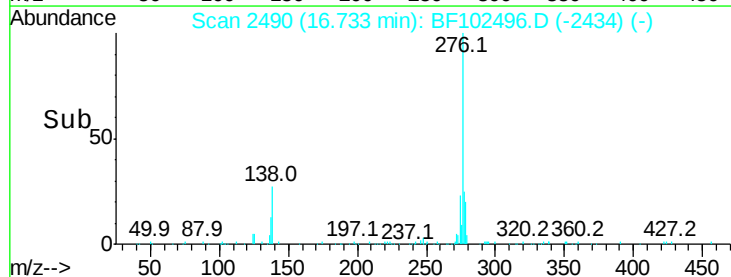
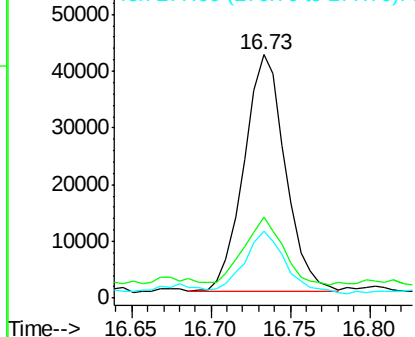


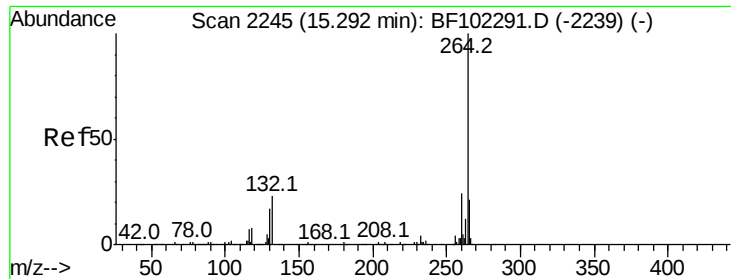
Abundance

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

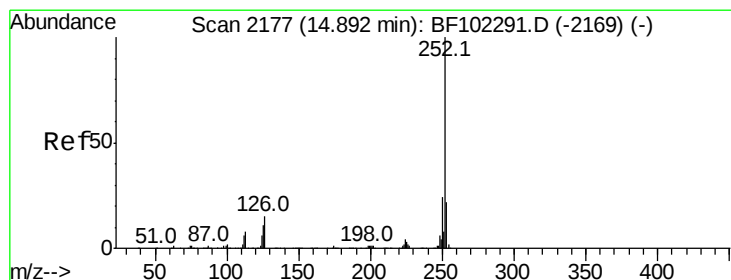
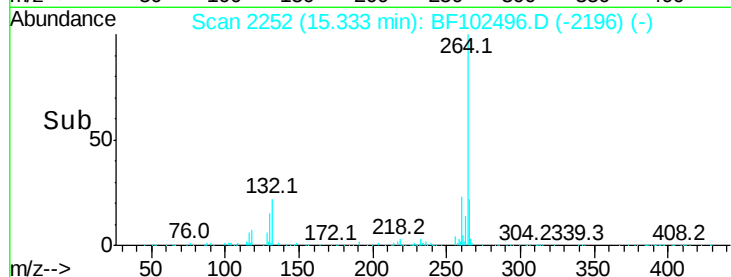
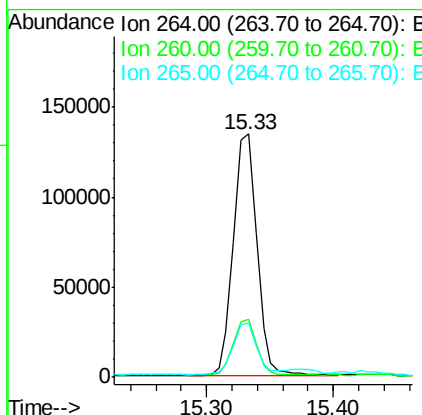
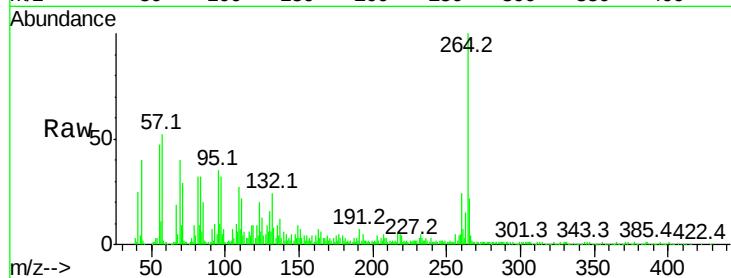




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.03 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

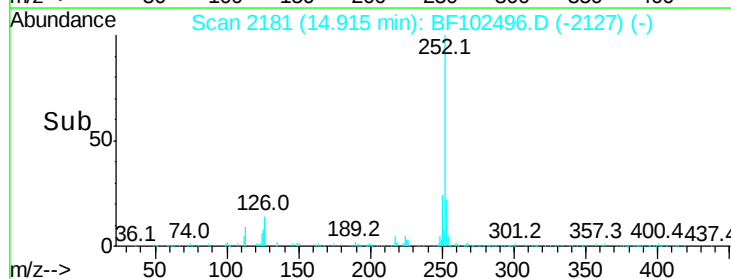
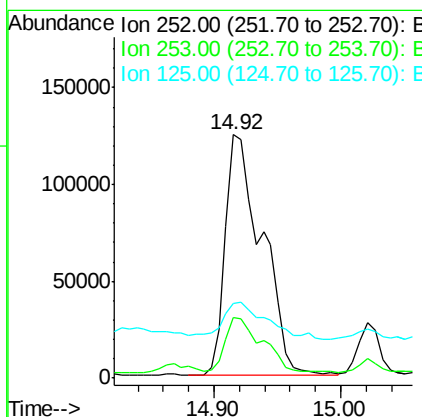
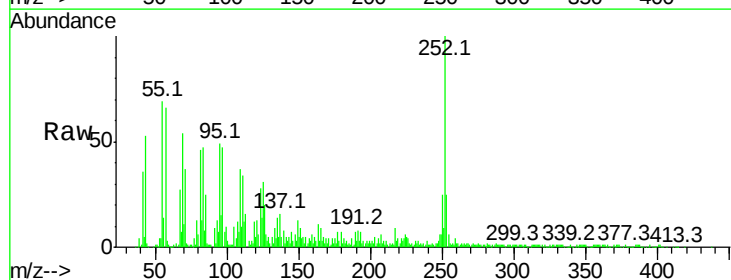
Instrument :
BNA_F
ClientSampleId :

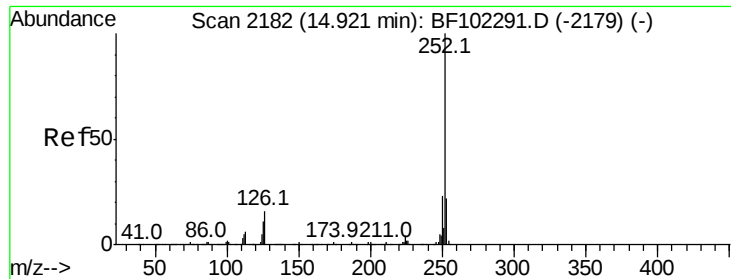
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 22.265 ng
RT: 14.92 min Scan# 2181
Delta R.T. 0.02 min
Lab File: BF102496.D
Acq: 27 Jan 2018 5:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	30.6	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 23.567 ng

RT: 14.92 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampleId :

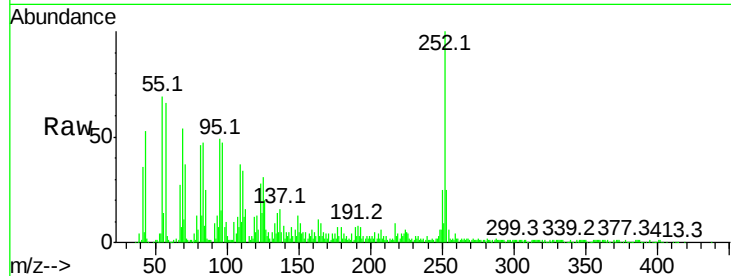
Tot Ion:252 Resp: 251082

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

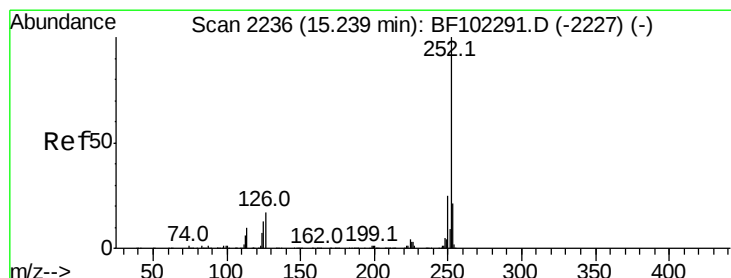
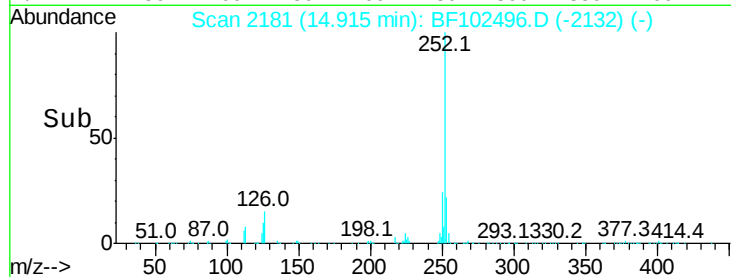
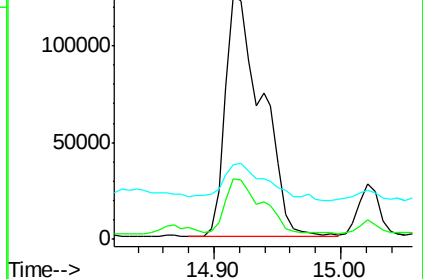
125 30.6 10.2 15.2#



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: 12.535 ng

RT: 15.27 min Scan# 2241

Delta R.T. 0.02 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

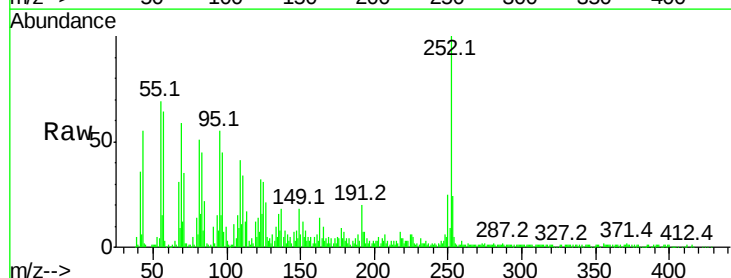
Tgt Ion:252 Resp: 127482

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

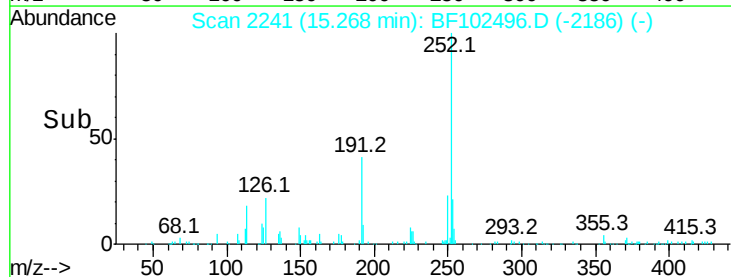
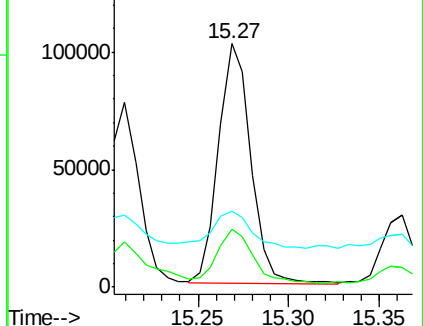
125 31.3 9.8 14.6#

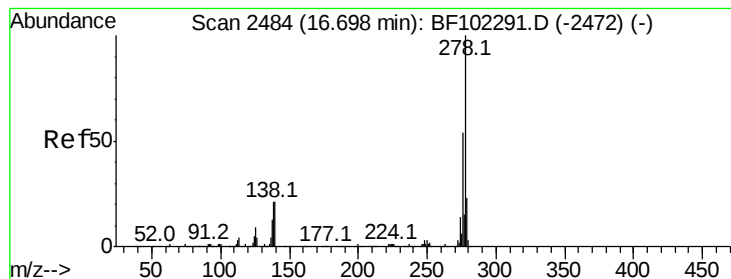


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 2.531 ng

RT: 16.73 min Scan# 2490

Delta R.T. 0.02 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

Instrument :

BNA_F

ClientSampleId :

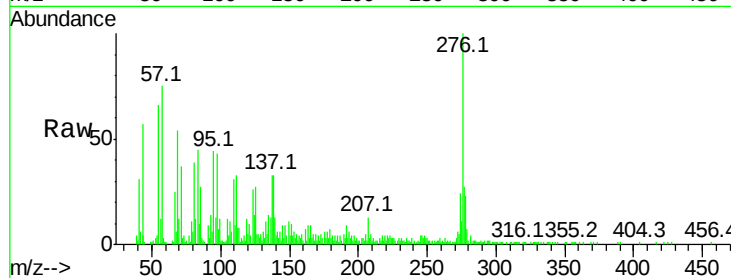
Tot Ion:278 Resp: 20855

Ion Ratio Lower Upper

278 100

139 53.7 15.9 23.9#

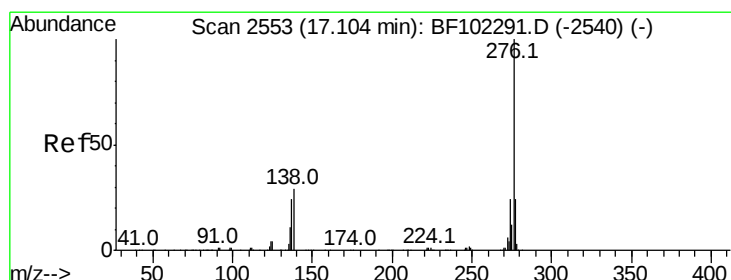
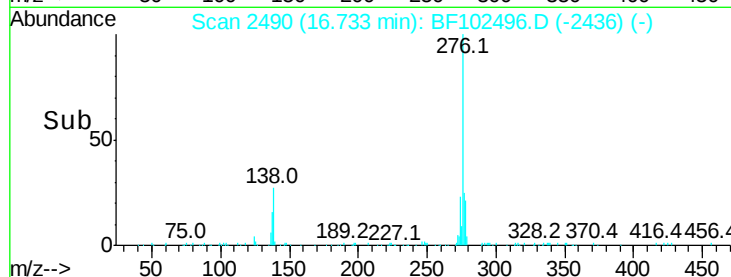
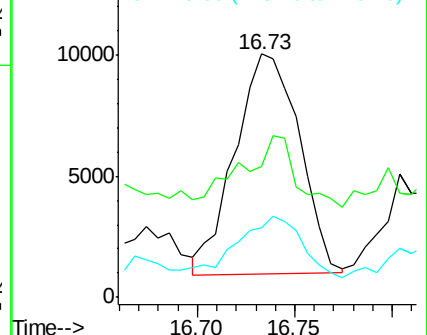
279 28.5 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.231 ng

RT: 17.16 min Scan# 2562

Delta R.T. 0.03 min

Lab File: BF102496.D

Acq: 27 Jan 2018 5:13

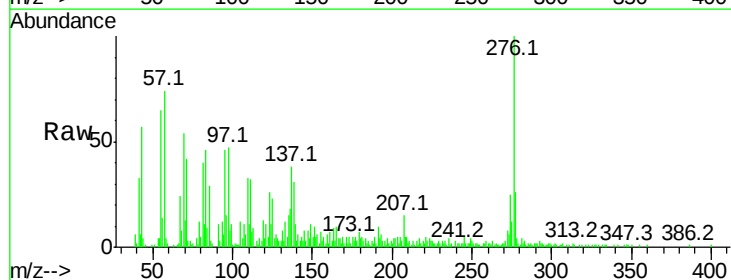
Tgt Ion:276 Resp: 75090

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 31.4 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

