

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104895.D
 Acq On : 27 Apr 2018 21:32
 Operator : JU/SJ
 Sample : J2566-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

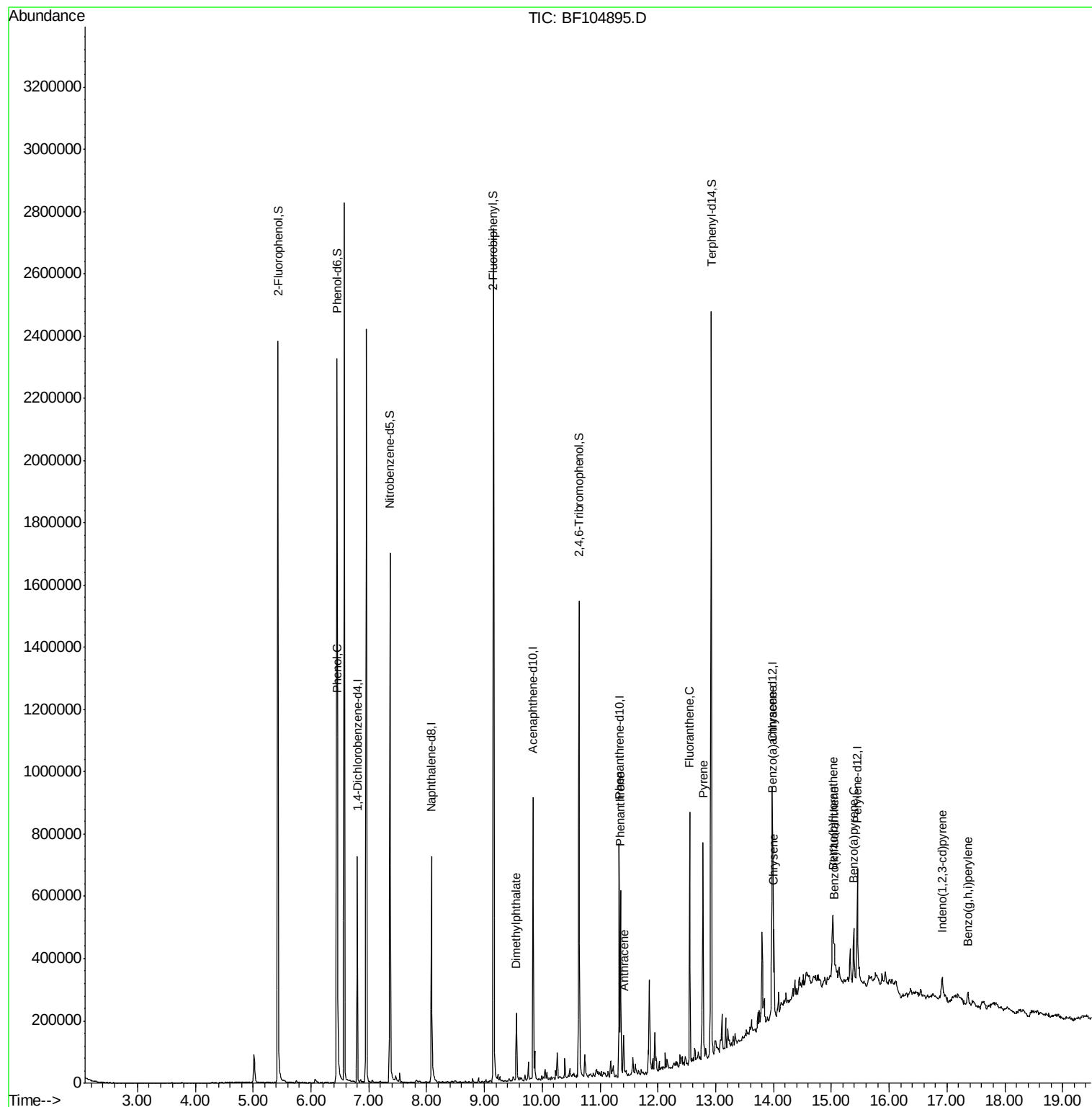
Quant Time: Apr 27 23:56:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

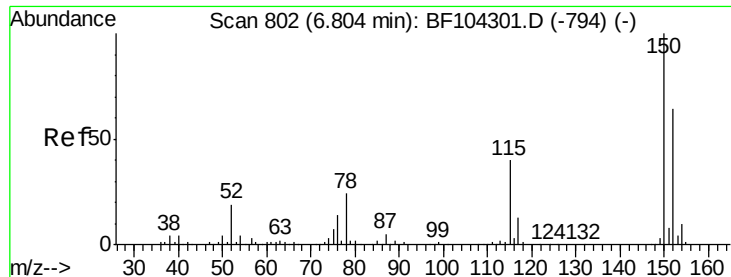
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	99323	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	397287	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	168027	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	270392	20.00	ng	0.00
75) Chrysene-d12	13.98	240	208422	20.00	ng	0.00
86) Perylene-d12	15.45	264	165840	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	813404	125.22	ng	0.02
7) Phenol-d6	6.45	99	975297	122.20	ng	0.00
23) Nitrobenzene-d5	7.37	82	585833	96.29	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	222733	127.79	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	959193	90.18	ng	0.00
78) Terphenyl-d14	12.92	244	768638	84.08	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.46	94	19208	2.268	ng	84
49) Dimethylphthalate	9.55	163	89522	6.756	ng	99
70) Phenanthrene	11.36	178	209667	13.924	ng	98
71) Anthracene	11.41	178	54080	3.533	ng	97
74) Fluoranthene	12.55	202	311007	19.768	ng	96
77) Pyrene	12.78	202	274615	17.776	ng	98
80) Benzo(a)anthracene	13.97	228	125074	10.045	ng	99
82) Chrysene	14.01	228	115322	9.017	ng	96
85) Indeno(1,2,3-cd)pyrene	16.92	276	42658	3.926	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	128354m	12.254	ng	
88) Benzo(k)fluoranthene	15.05	252	31664m	3.202	ng	
89) Benzo(a)pyrene	15.39	252	81988	8.748	ng	# 93
91) Benzo(a,h,i)perylene	17.36	276	45755	6.136	ng	95

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
Data File : BF104895.D
Acq On : 27 Apr 2018 21:32
Operator : JU/SJ
Sample : J2566-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

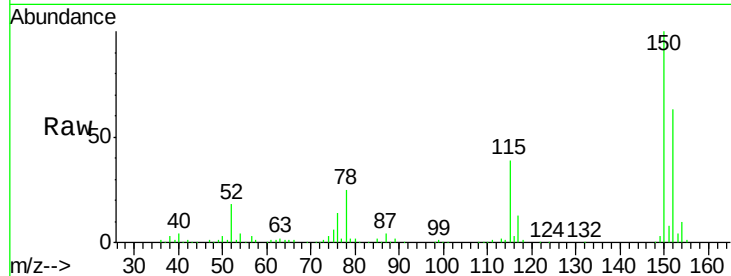
Quant Time: Apr 27 23:56:13 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 17:16:11 2018
Response via : Initial Calibration



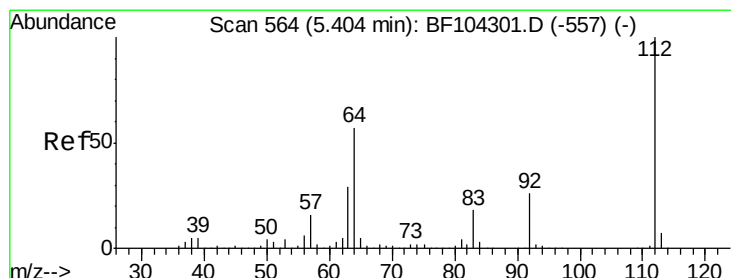
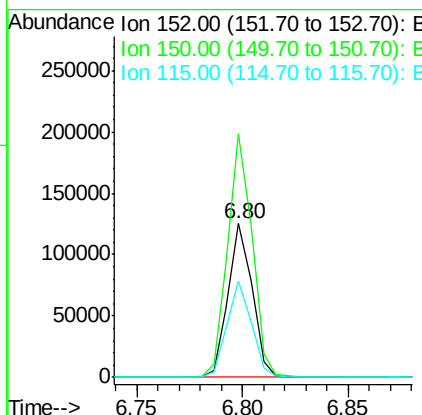
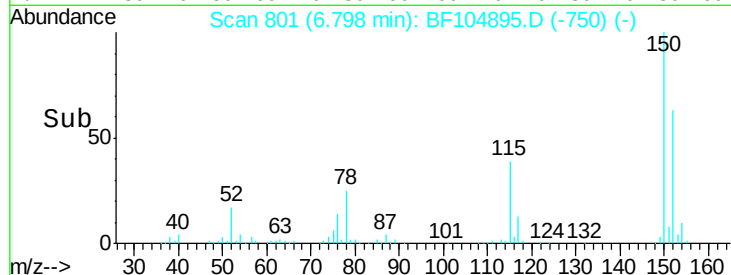


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion:152 Resp: 99323
 Ion Ratio Lower Upper
 152 100
 150 158.4 124.6 186.8
 115 62.6 50.1 75.1

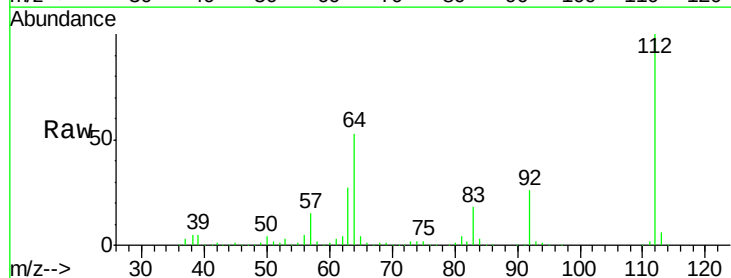


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

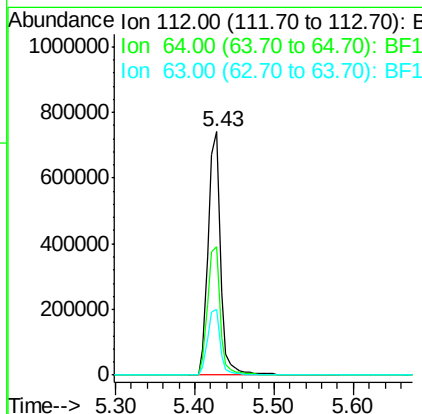
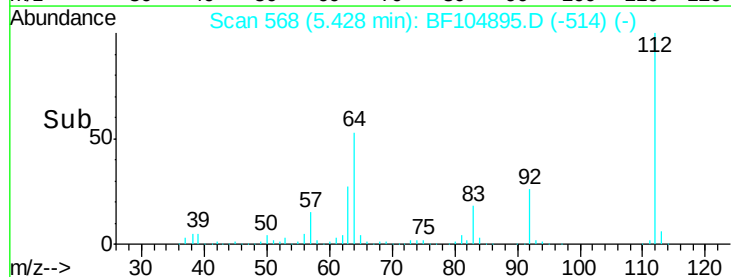


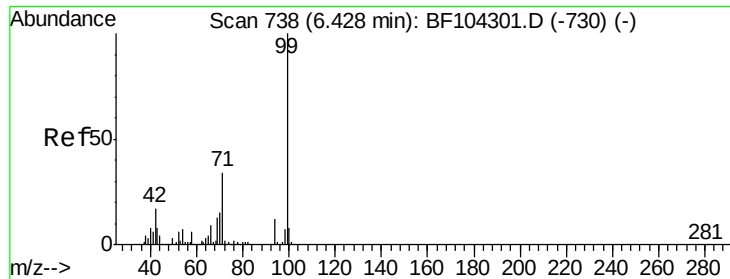
#5
 2-Fluorophenol
 Concen: 125.222 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.02 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tgt Ion:112 Resp: 813404
 Ion Ratio Lower Upper
 112 100
 64 52.8 47.9 71.9
 63 27.2 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: 122.201 ng

RT: 6.45 min Scan# 742

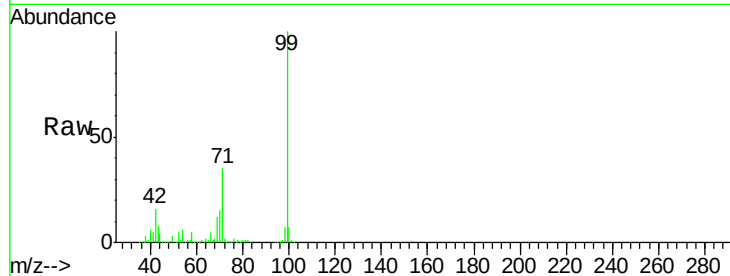
Delta R.T. 0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tot Ion: 99 Resp: 975297

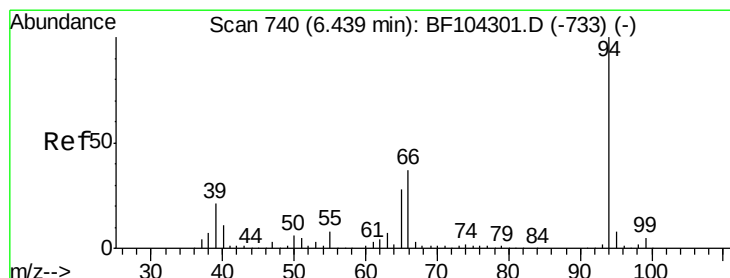
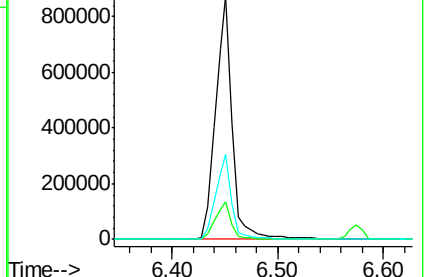
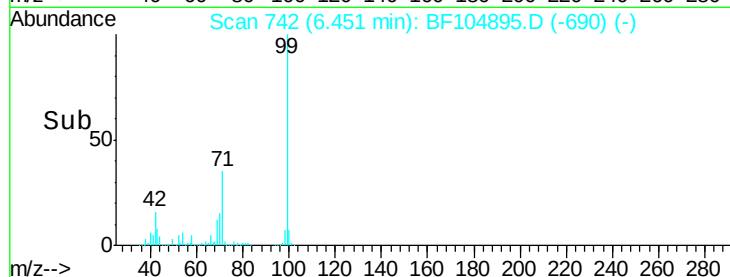
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	34.6	25.4	38.0



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



#10

Phenol

Concen: 2.268 ng

RT: 6.46 min Scan# 744

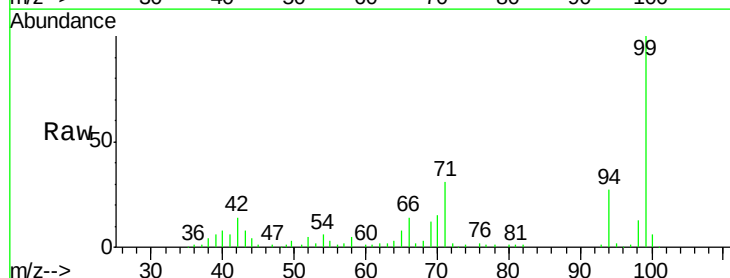
Delta R.T. 0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tgt Ion: 94 Resp: 19208

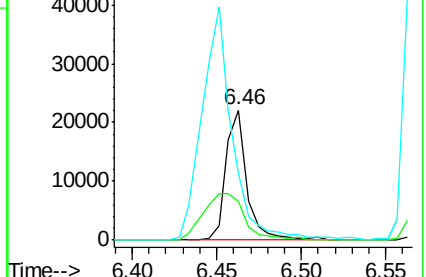
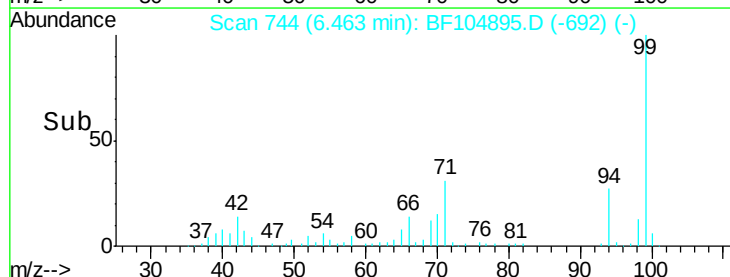
Ion	Ratio	Lower	Upper
94	100		
65	29.7	7.9	47.9
66	51.3	16.2	56.2

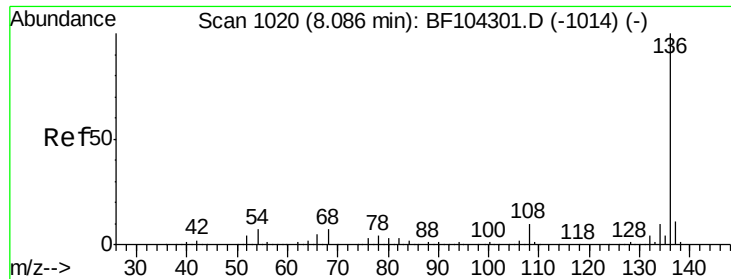


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

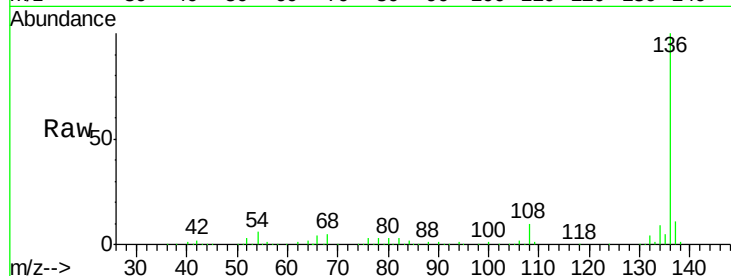
Ion 66.00 (65.70 to 66.70): BF1



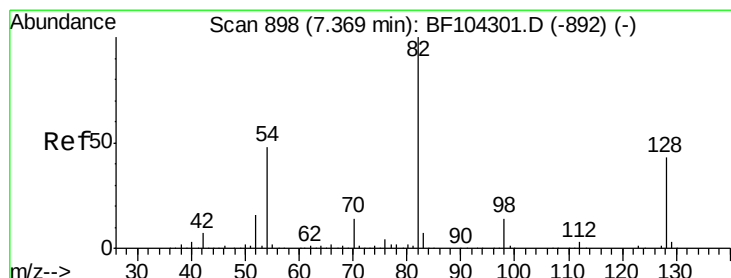
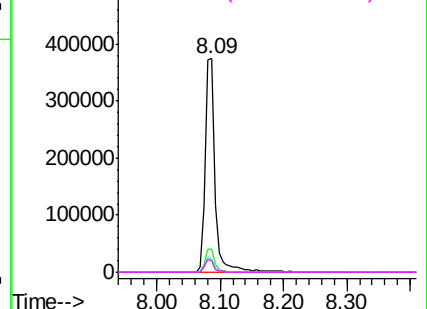
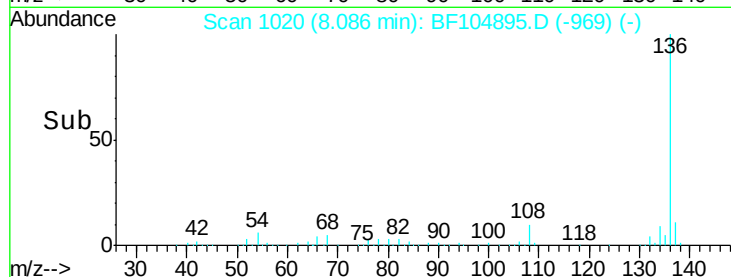


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tot Ion:136	Resp:	397287
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	5.9	6.6 9.8#
68	5.4	5.0 7.4

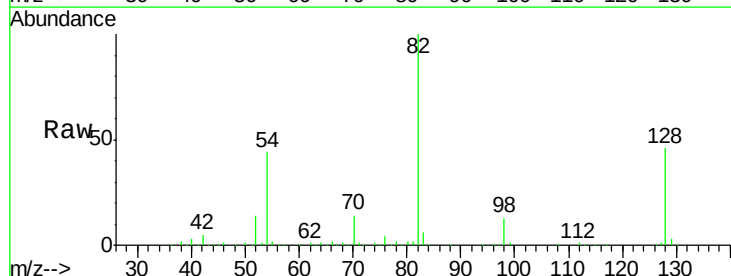


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

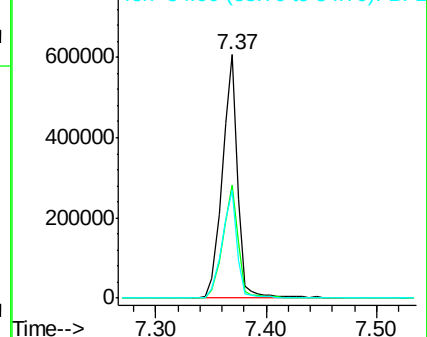
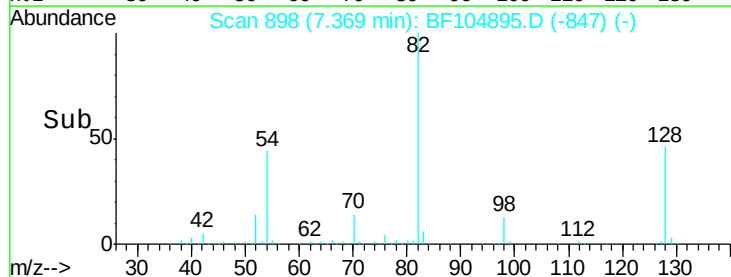


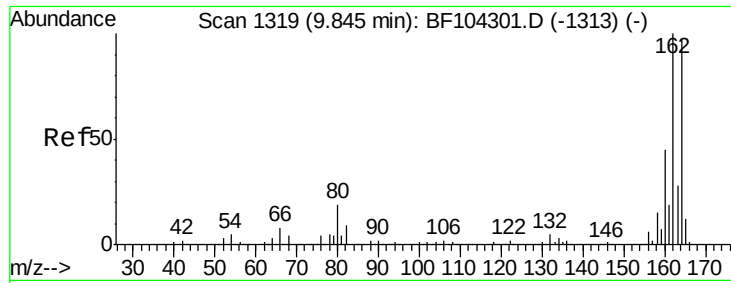
#23
Nitrobenzene-d5
Concen: 96.287 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt Ion: 82	Resp:	585833
Ion Ratio	Lower	Upper
82	100	
128	46.4	36.1 54.1
54	44.1	41.4 62.2



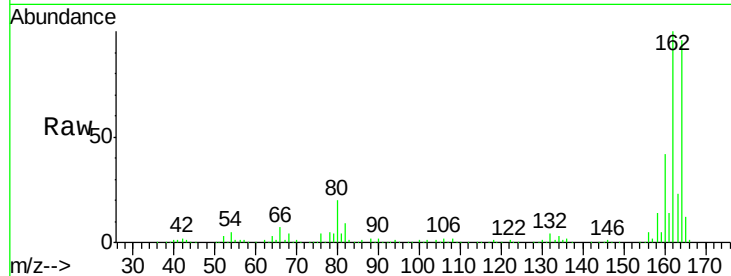
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



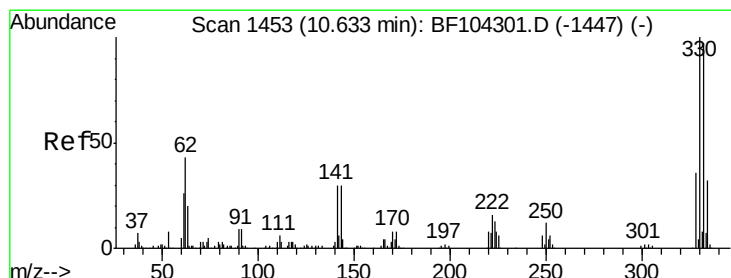
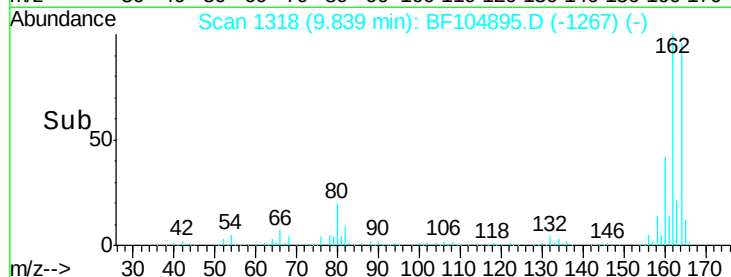
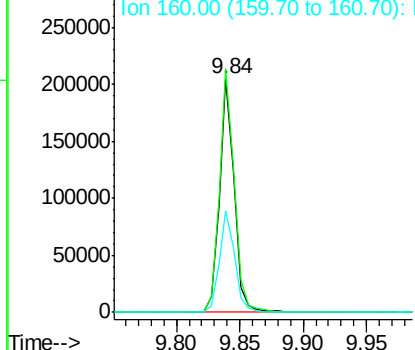


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	43.8	38.3	57.5

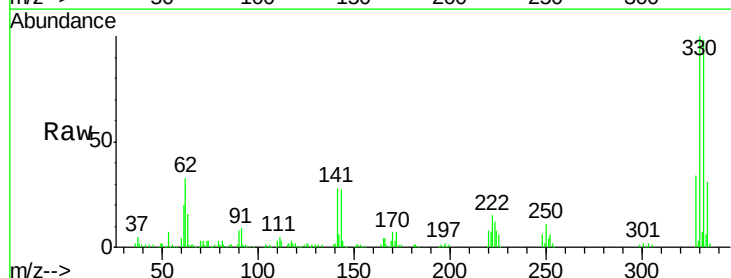


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

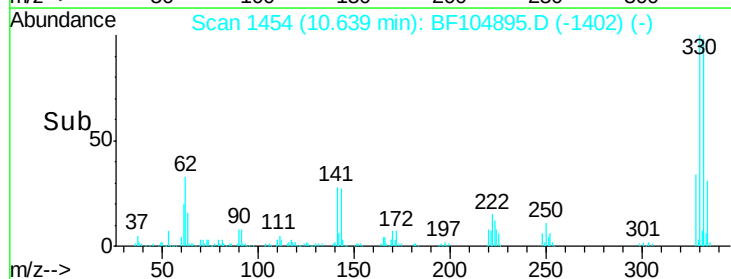
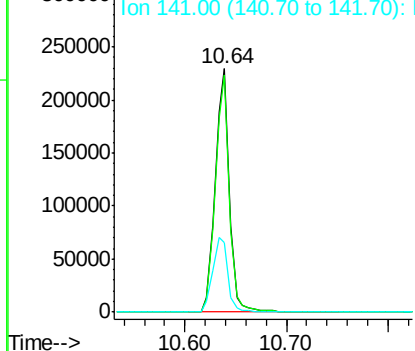


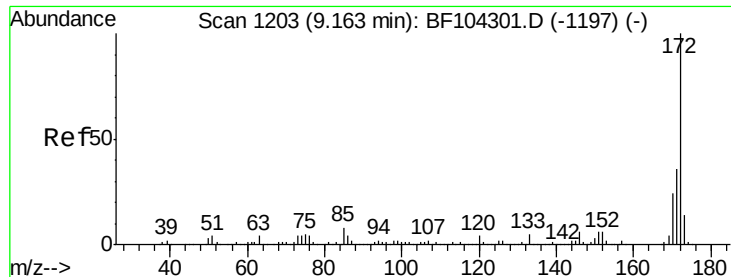
#41
2,4,6-Tribromophenol
Concen: 127.788 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	33.5	29.9	44.9



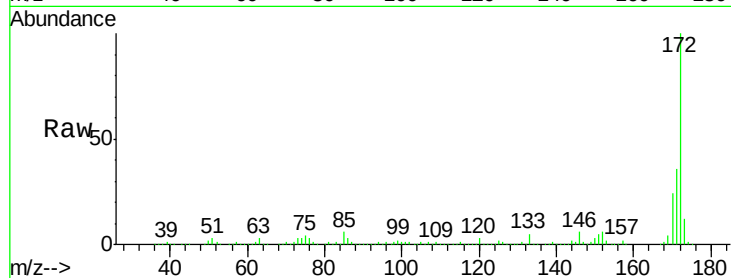
Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



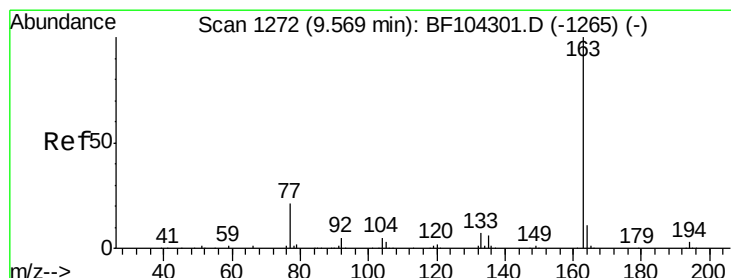
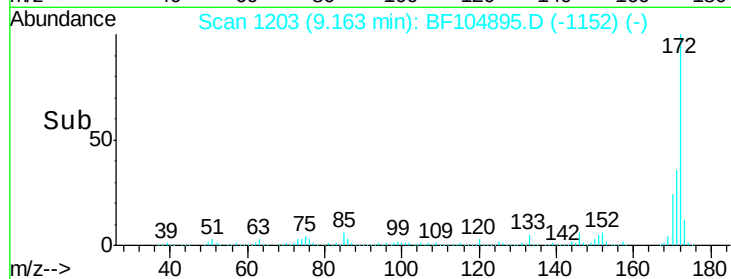
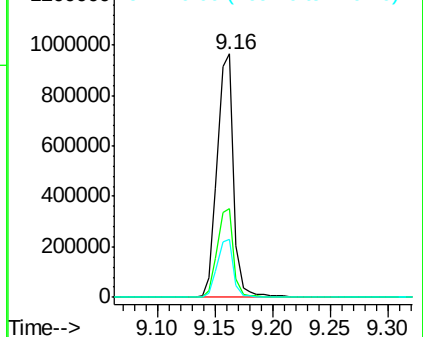


#44
2-Fluorobiphenyl
Concen: 90.181 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tot Ion:172 Resp: 959193
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.6 19.6 29.4

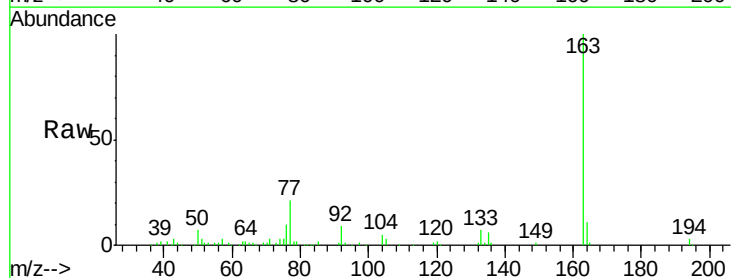


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

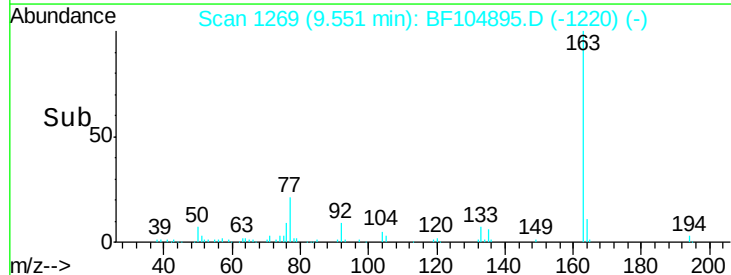
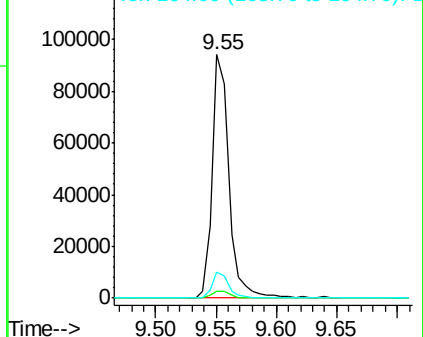


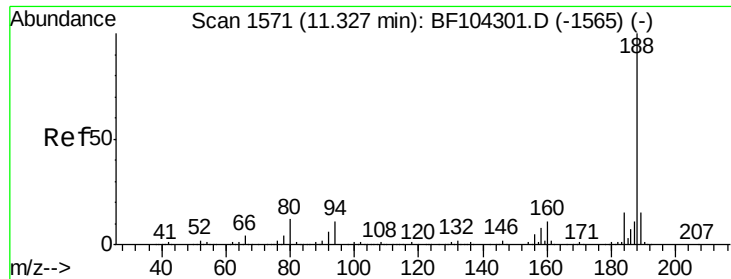
#49
Dimethylphthalate
Concen: 6.756 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt Ion:163 Resp: 89522
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.7 8.2 12.2



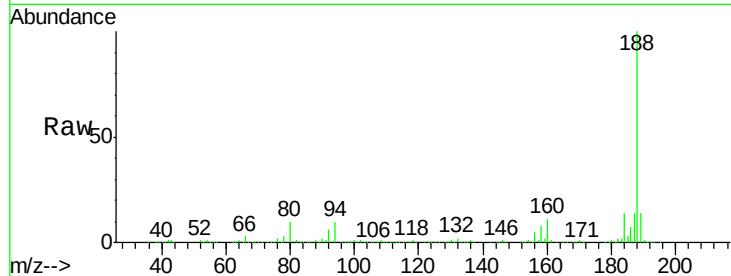
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

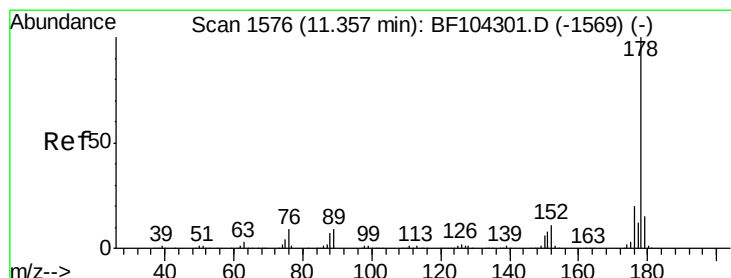
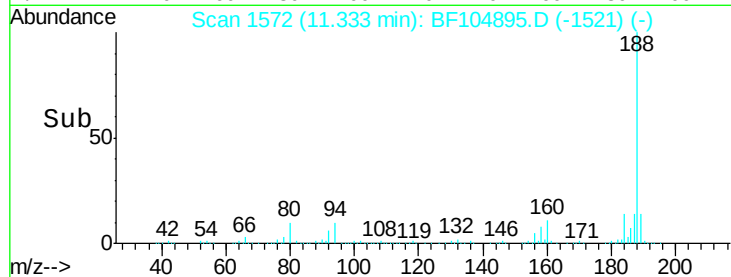
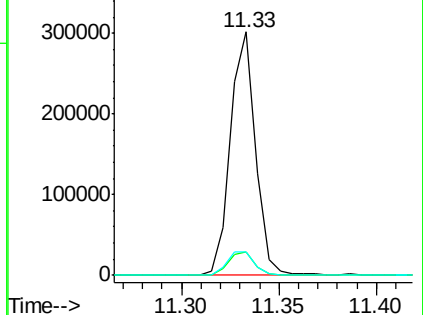
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	9.7	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

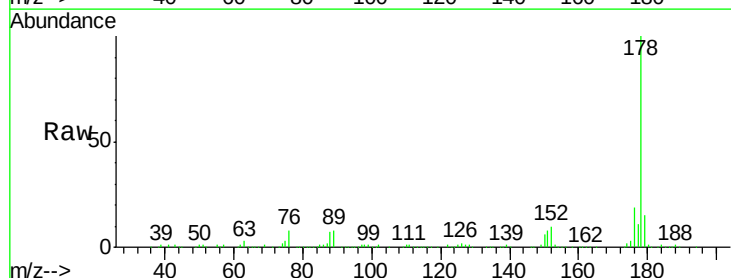
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70
Phenanthrene
Concen: 13.924 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

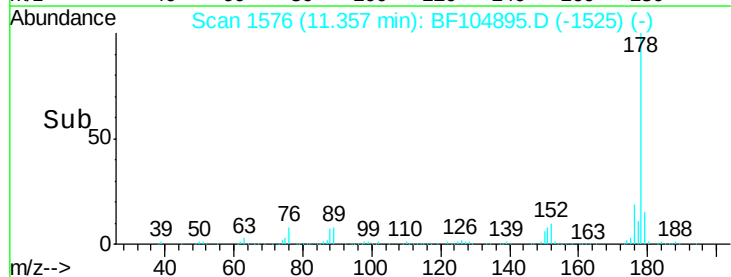
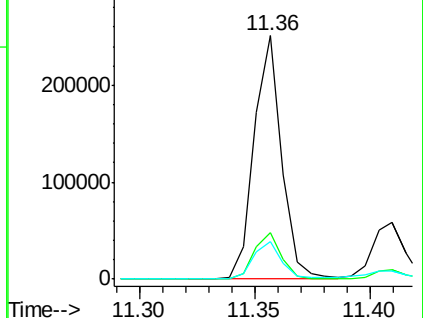
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6

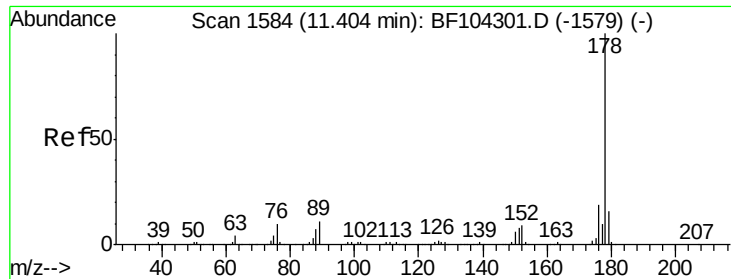


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

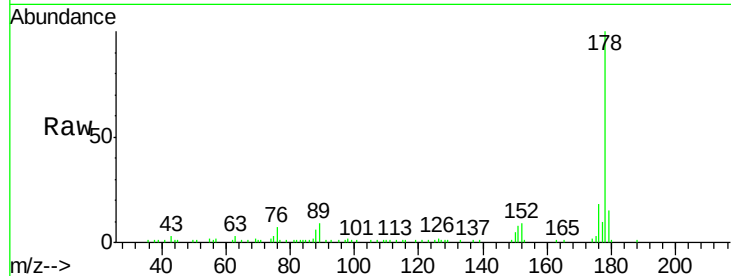
Ion 179.00 (178.70 to 179.70): E



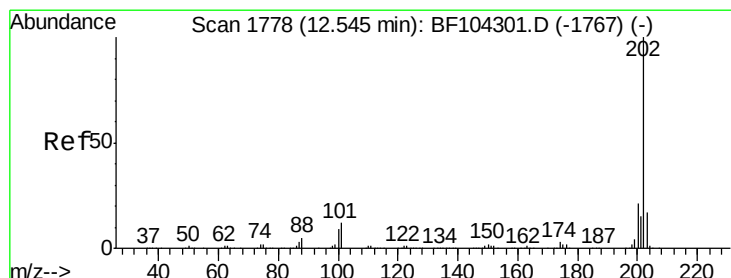
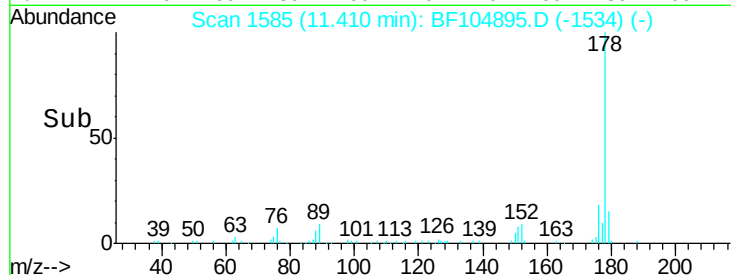
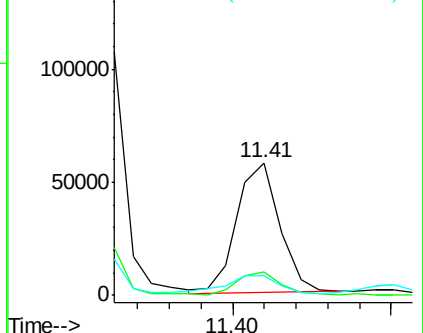


#71
 Anthracene
 Concen: 3.533 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	14.9	12.6	19.0

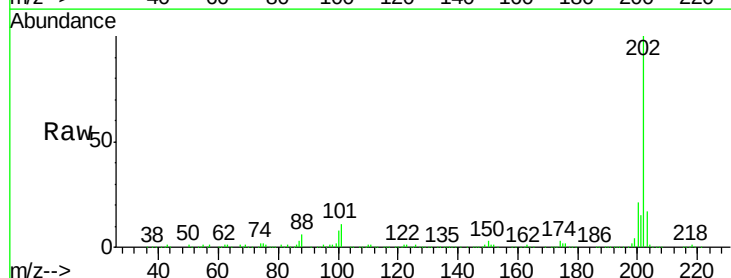


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

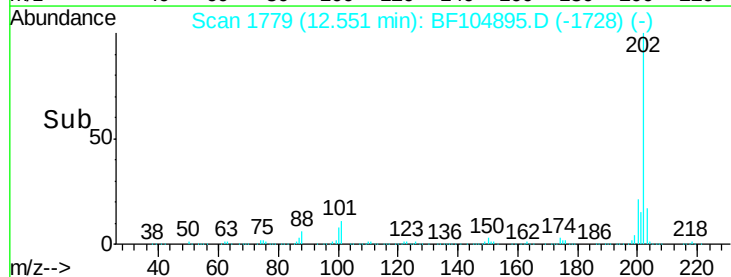
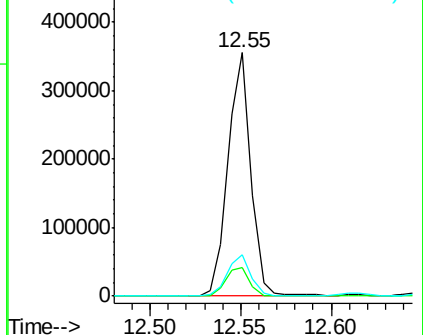


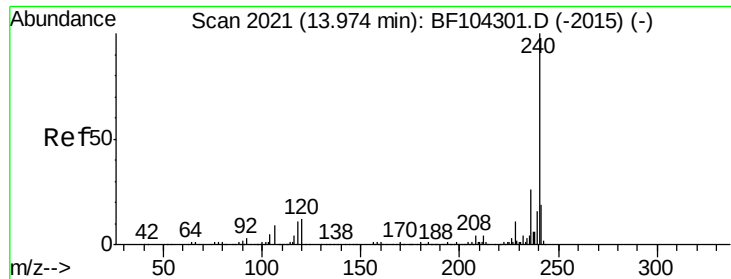
#74
 Fluoranthene
 Concen: 19.768 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.2	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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

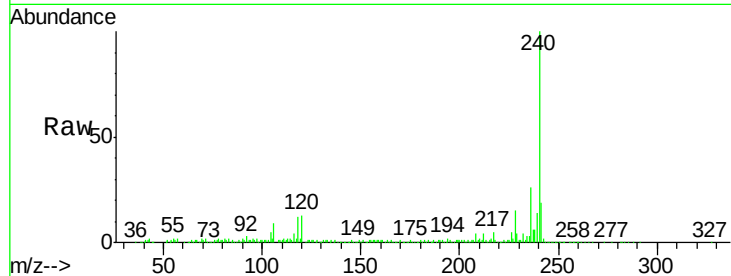
Tot Ion:240 Resp: 208422

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

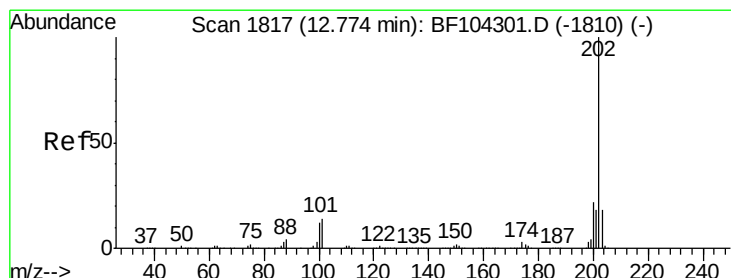
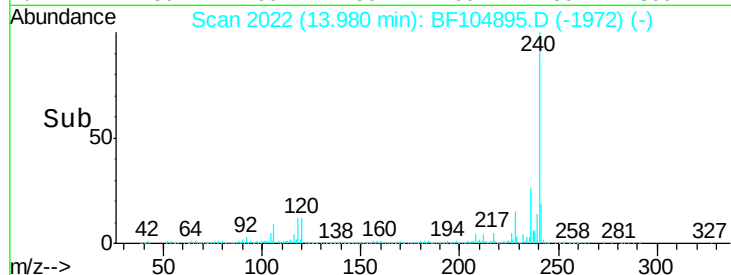
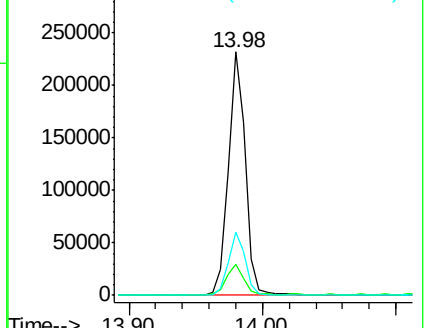
236 26.2 20.7 31.1



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: 17.776 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

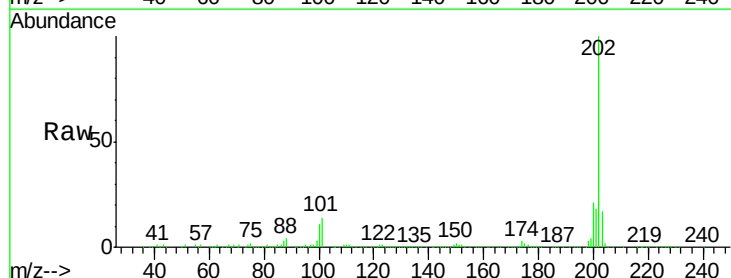
Tgt Ion:202 Resp: 274615

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

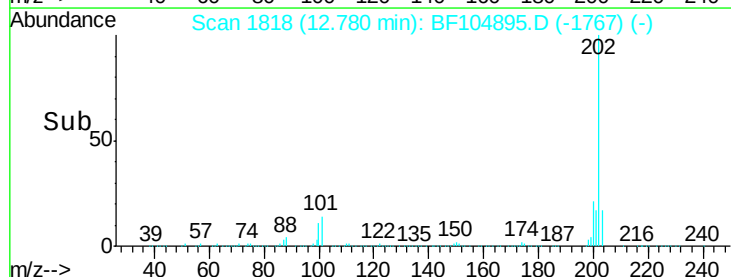
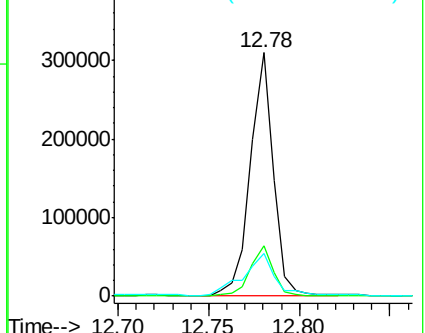
203 17.3 14.3 21.5

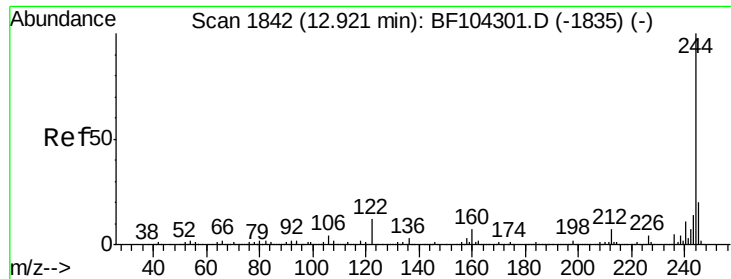


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

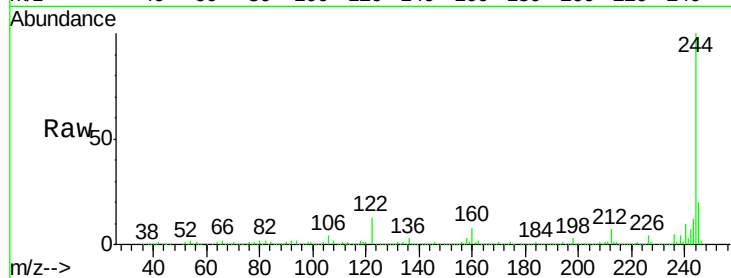
Ion 203.00 (202.70 to 203.70): E



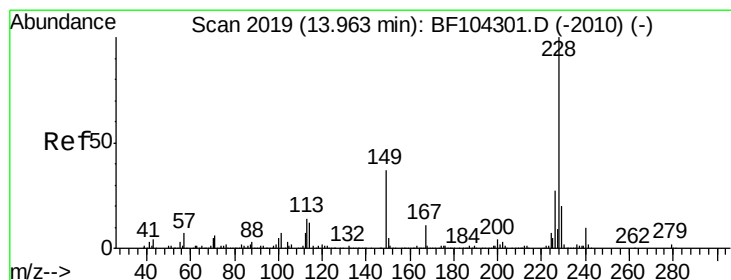
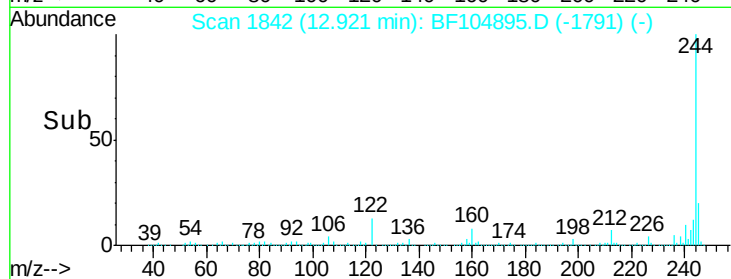
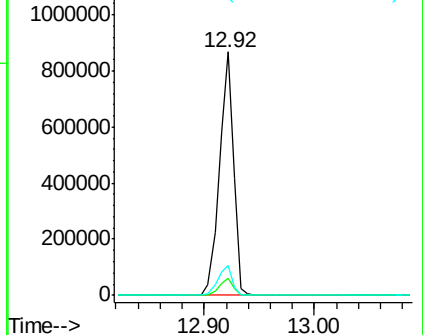


#78
 Terphenyl-d14
 Concen: 84.078 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion:244 Resp: 768638
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.5 11.0 16.4

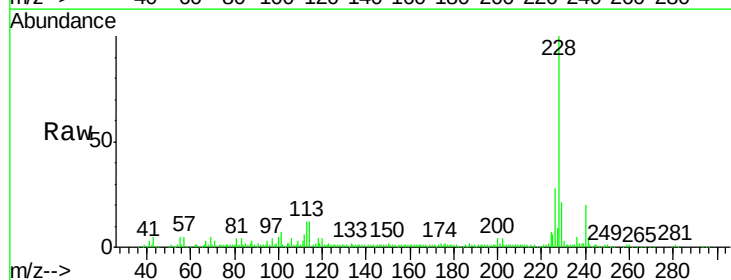


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

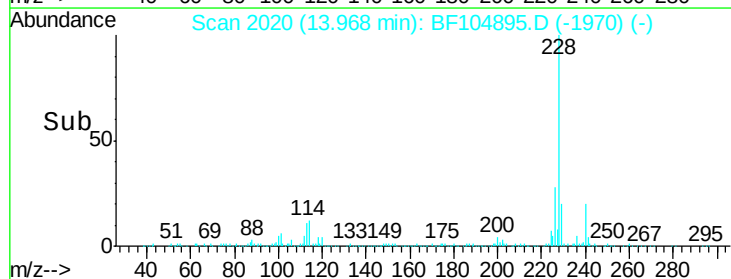
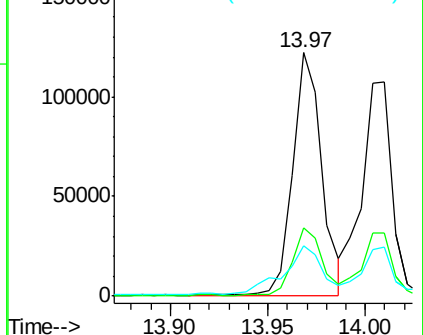


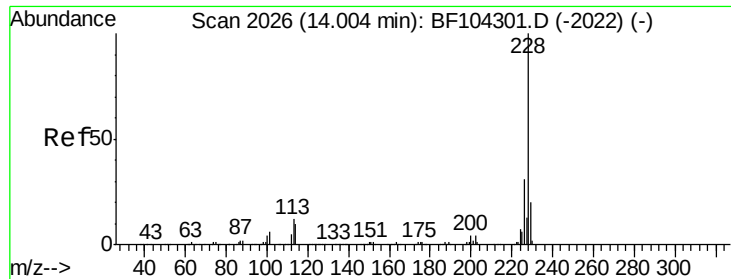
#80
 Benzo(a)anthracene
 Concen: 10.045 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tgt Ion:228 Resp: 125074
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.6 33.8
 229 20.8 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

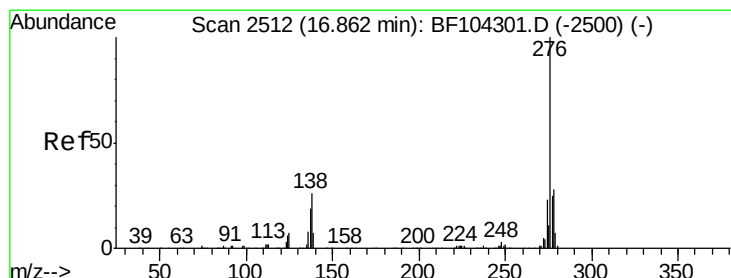
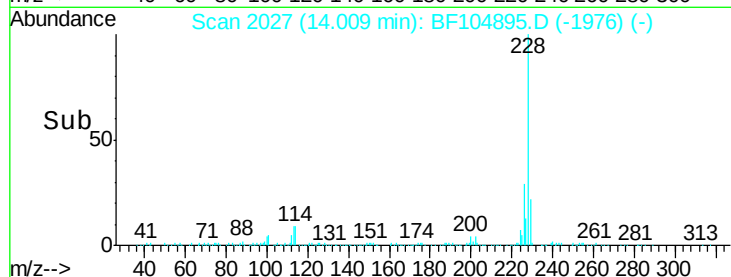
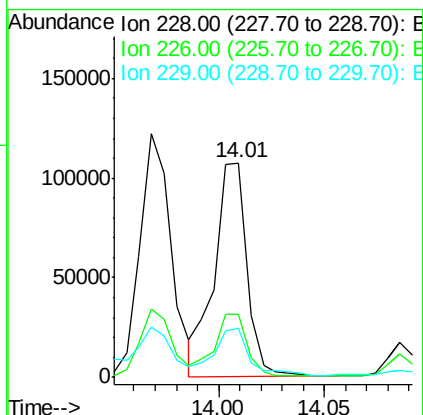
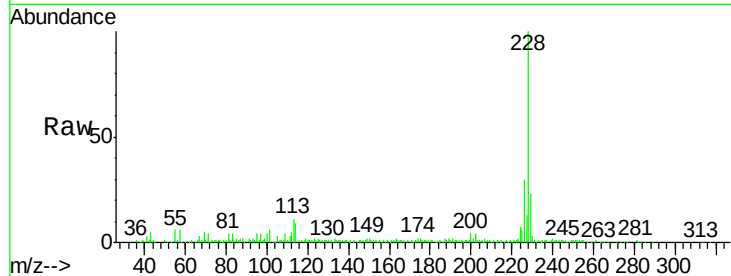




#82
Chrysene
Concen: 9.017 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tot Ion:228 Resp: 115322

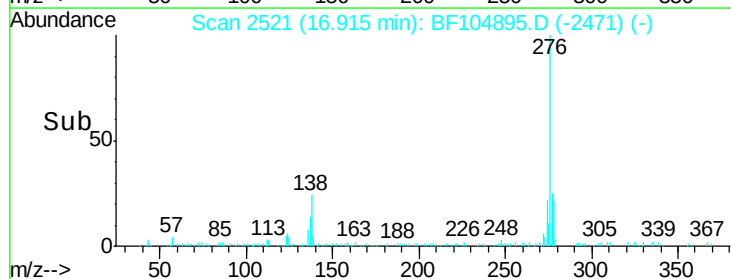
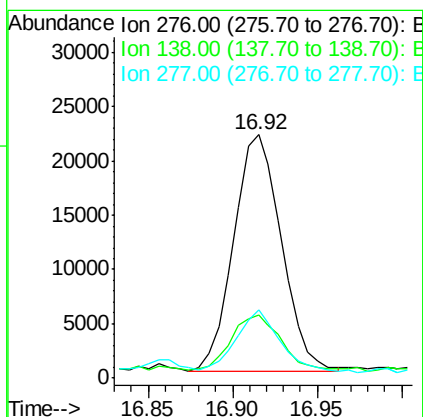
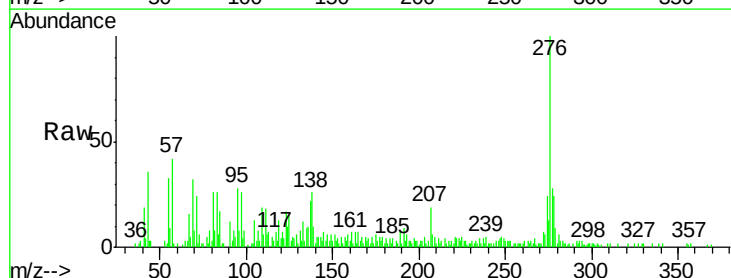
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	22.7	16.2	24.4

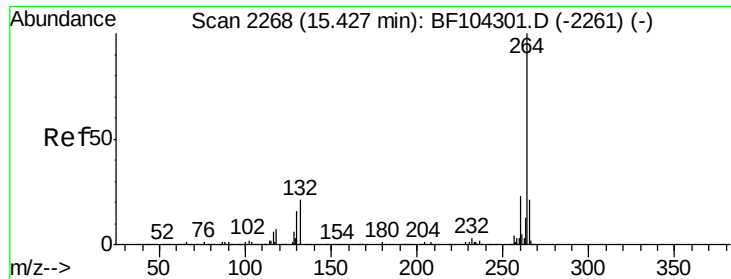


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.926 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt Ion:276 Resp: 42658

Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	24.7	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

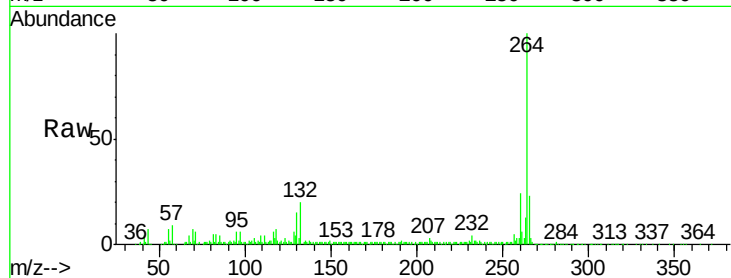
Tot Ion:264 Resp: 165840

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

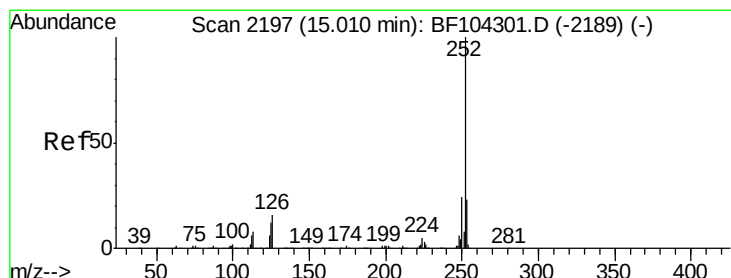
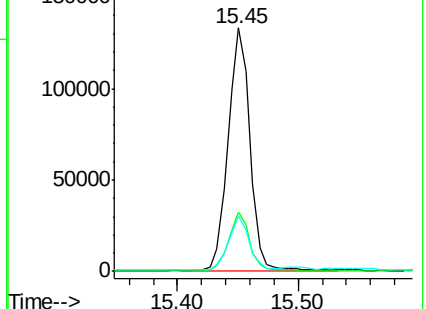
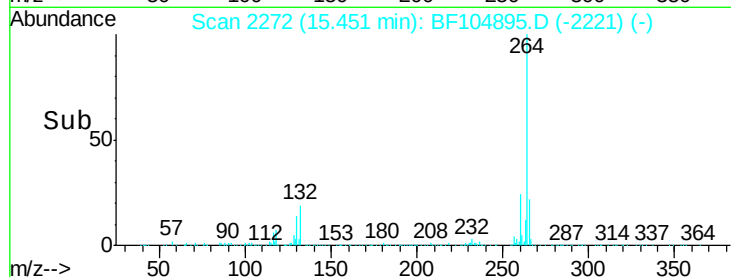
265 22.7 17.5 26.3



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: 12.254 ng m

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

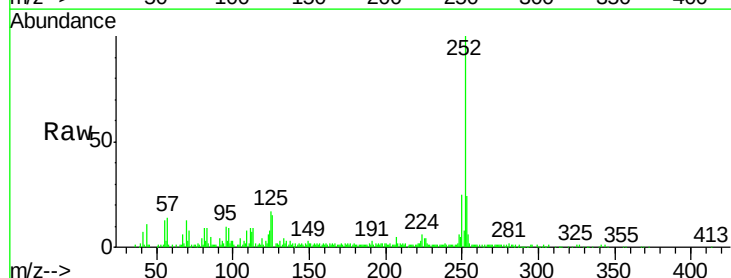
Tgt Ion:252 Resp: 128354

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

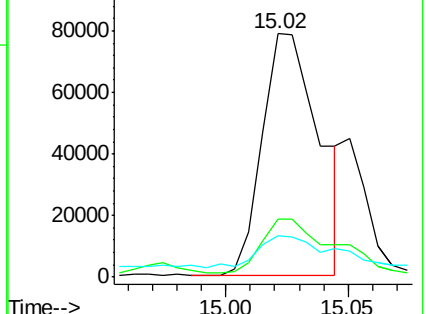
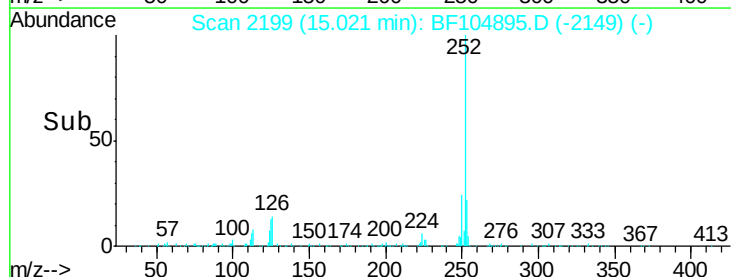
125 17.0 9.0 13.6#

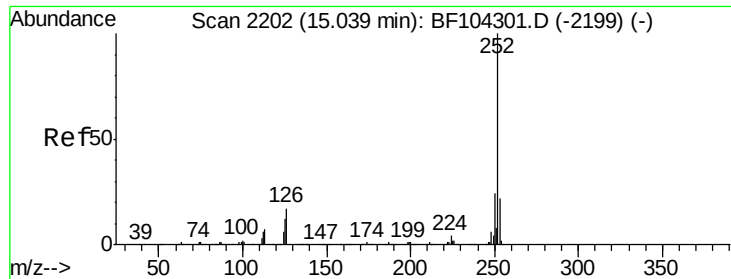


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

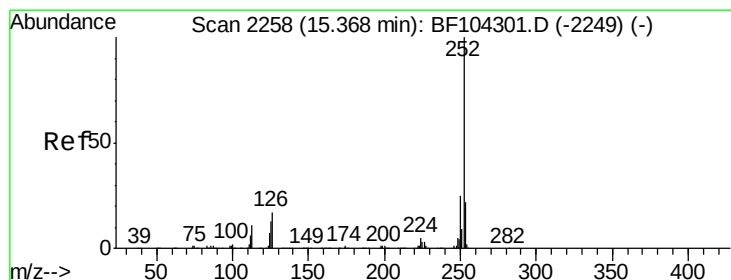
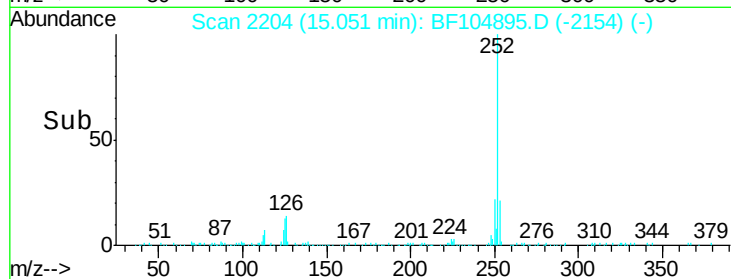
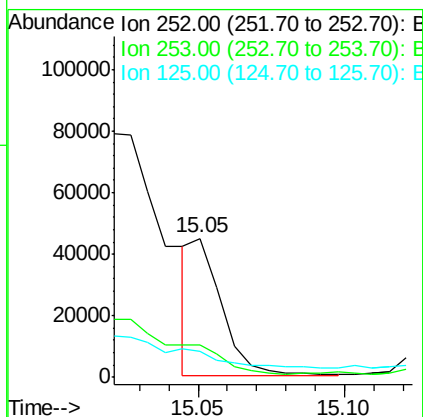
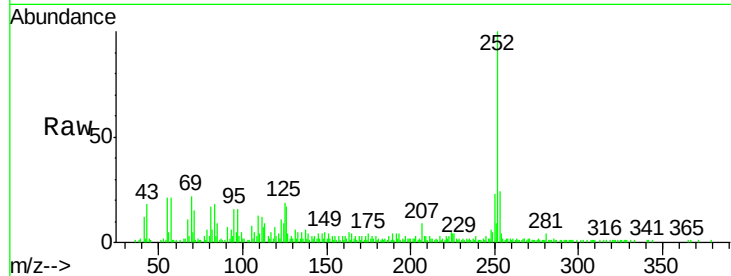
Ion 125.00 (124.70 to 125.70): E





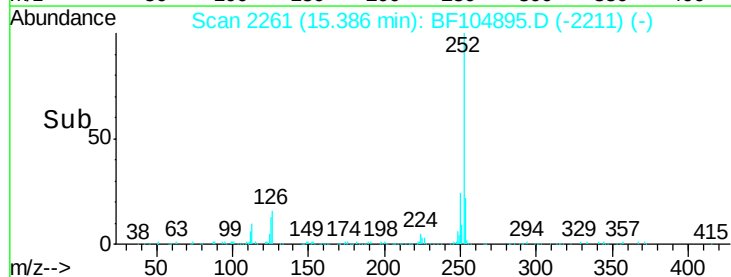
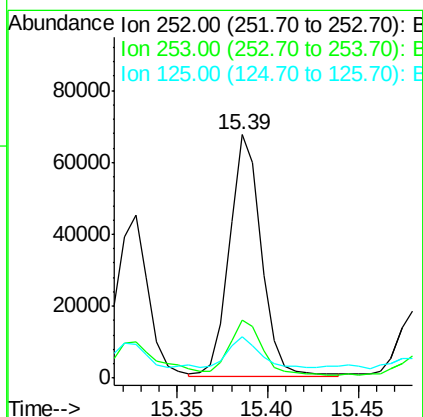
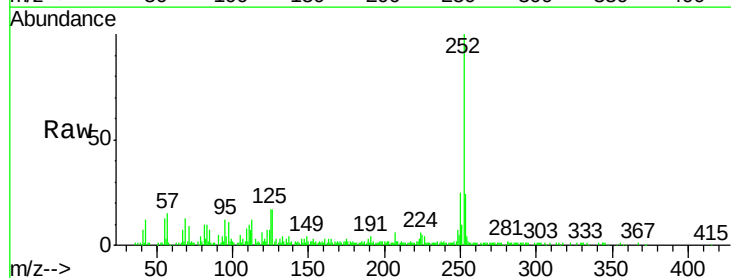
#88
Benzo(k)fluoranthene
Concen: 3.202 ng/mL
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

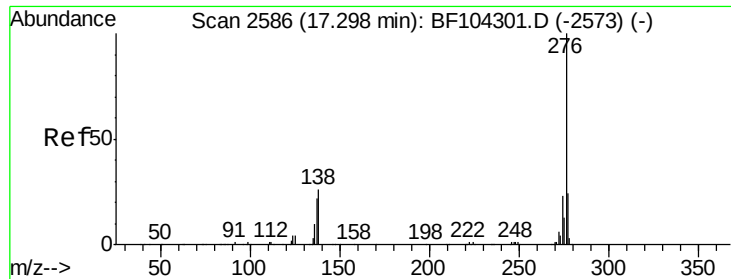
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	18.8	10.2	15.2



#89
Benzo(a)pyrene
Concen: 8.748 ng/mL
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

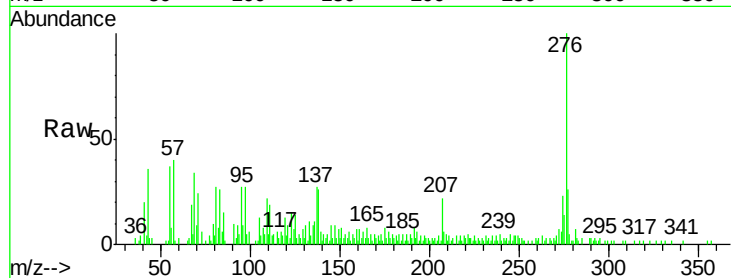
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	17.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.136 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.01 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion:	276	Resp:	45755
Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	25.5	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

