

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104910.D
 Acq On : 28 Apr 2018 5:15
 Operator : JU/SJ
 Sample : J2565-10 100X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

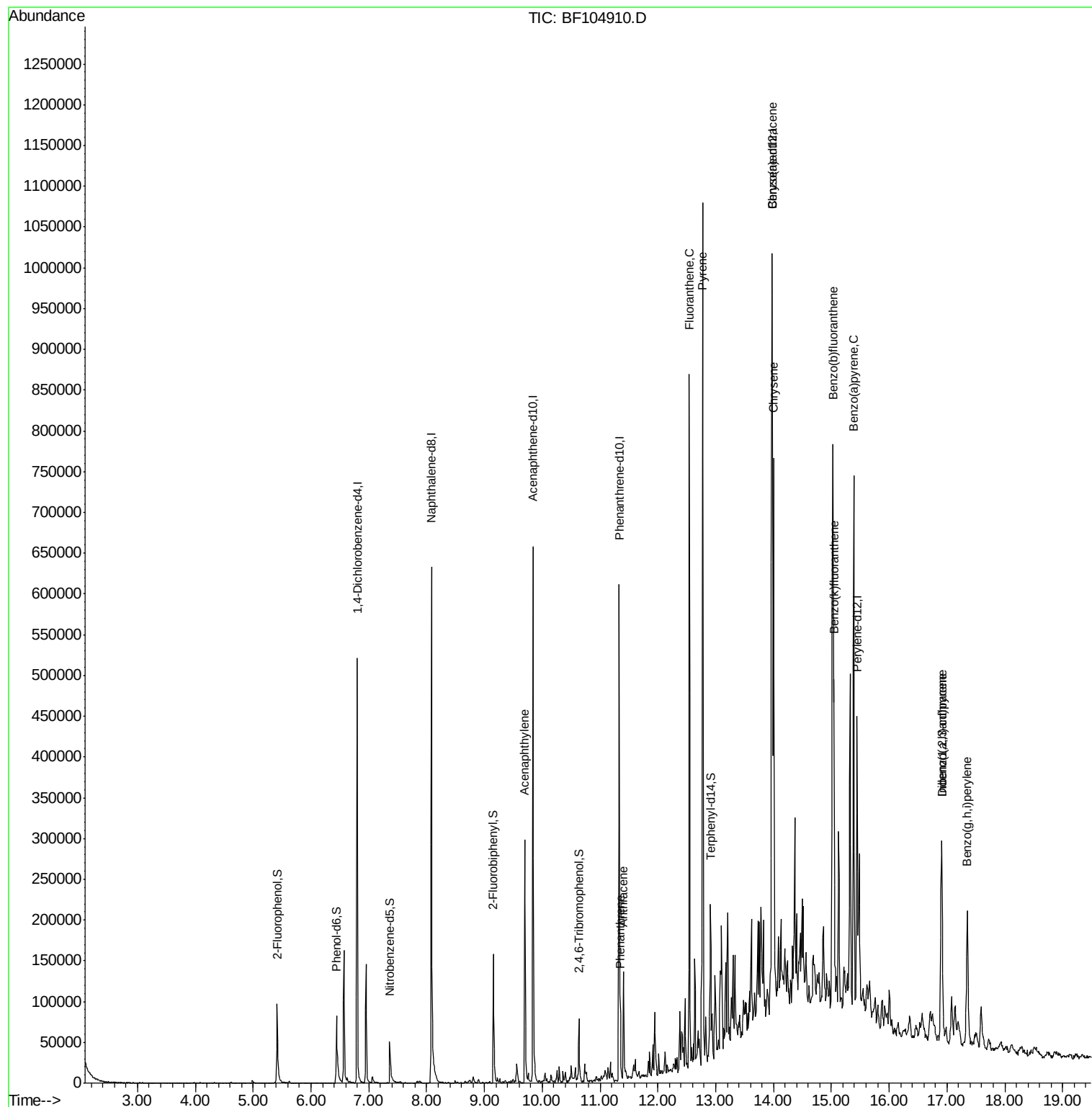
Quant Time: Apr 28 06:50:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

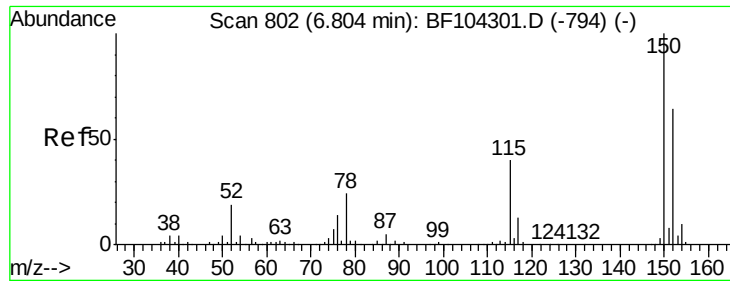
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	85466	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	341795	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	139026	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	217626	20.00	ng	0.00
75) Chrysene-d12	13.98	240	194995	20.00	ng	0.00
86) Perylene-d12	15.44	264	154385	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	47810	8.55	ng	0.00
7) Phenol-d6	6.44	99	57579	8.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	30743	5.87	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	11482	7.96	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	66457	7.55	ng	0.00
78) Terphenyl-d14	12.91	244	51686	6.04	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.70	152	144836	10.007	ng	99
70) Phenanthrene	11.35	178	25107	2.072	ng	98
71) Anthracene	11.40	178	63947	5.191	ng	95
74) Fluoranthene	12.55	202	313887	24.789	ng	98
77) Pyrene	12.77	202	407488	28.193	ng	99
80) Benzo(a)anthracene	13.97	228	280232m	24.056	ng	
82) Chrysene	14.00	228	268092m	22.405	ng	
85) Indeno(1,2,3-cd)pyrene	16.91	276	150684	14.824	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	386669m	39.656	ng	
88) Benzo(k)fluoranthene	15.04	252	136626m	14.842	ng	
89) Benzo(a)pyrene	15.39	252	276344	31.675	ng	97
90) Dibenzo(a,h)anthracene	16.91	278	44920m	6.269	ng	
91) Benzo(a,h,i)perylene	17.35	276	132680	19.112	ng	95

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
Data File : BF104910.D
Acq On : 28 Apr 2018 5:15
Operator : JU/SJ
Sample : J2565-10 100X
Misc :
ALS Vial : 30 Sample Multiplier: 1

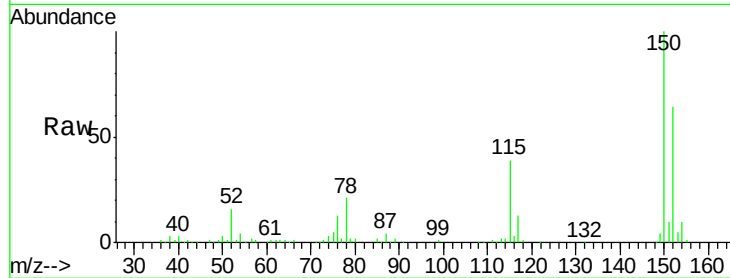
Quant Time: Apr 28 06:50:06 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 27 17:16:11 2018
Response via : Initial Calibration



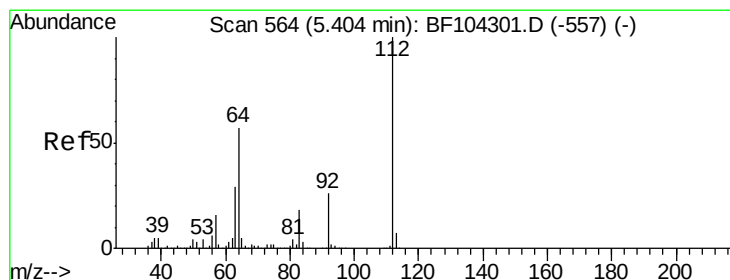
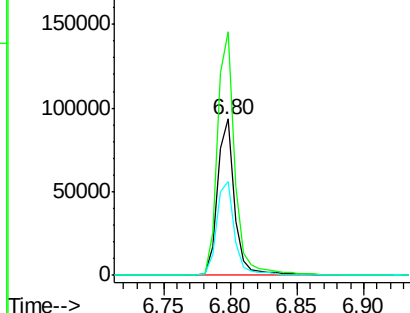
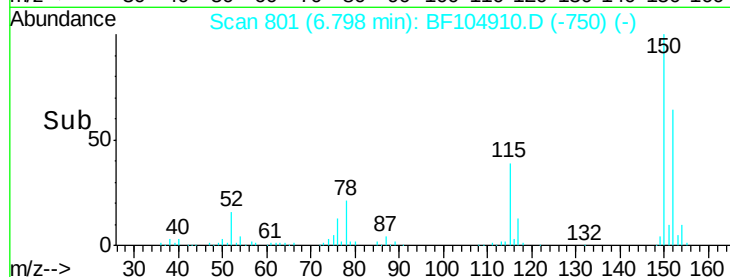


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tot Ion:152 Resp: 85466
 Ion Ratio Lower Upper
 152 100
 150 156.0 124.6 186.8
 115 60.5 50.1 75.1

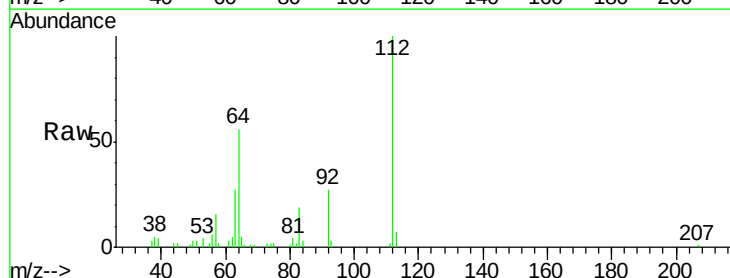


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

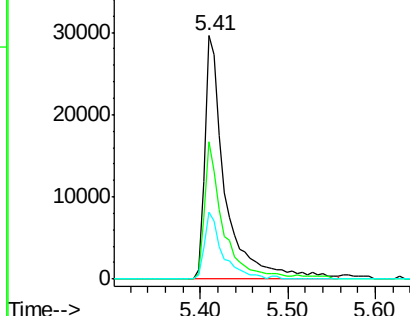
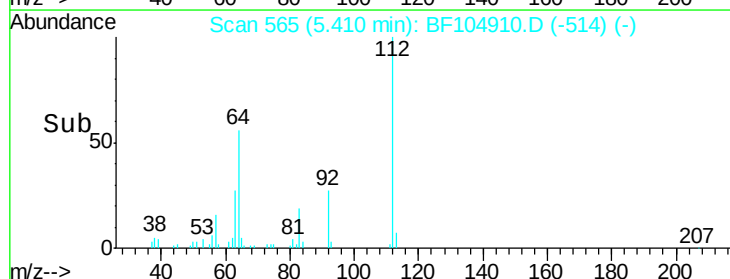


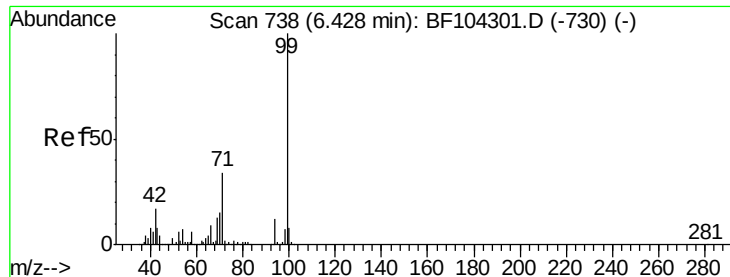
#5
 2-Fluorophenol
 Concen: 8.554 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tgt Ion:112 Resp: 47810
 Ion Ratio Lower Upper
 112 100
 64 56.4 47.9 71.9
 63 27.4 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: 8.384 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

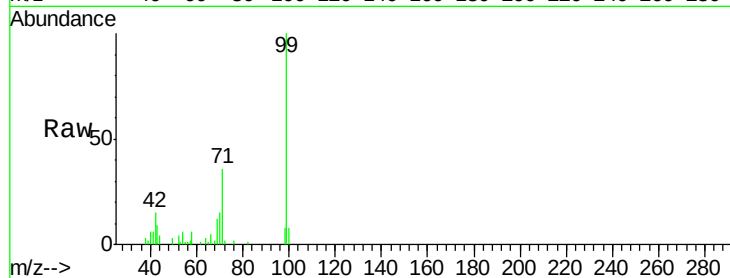
Tot Ion: 99 Resp: 57579

Ion Ratio Lower Upper

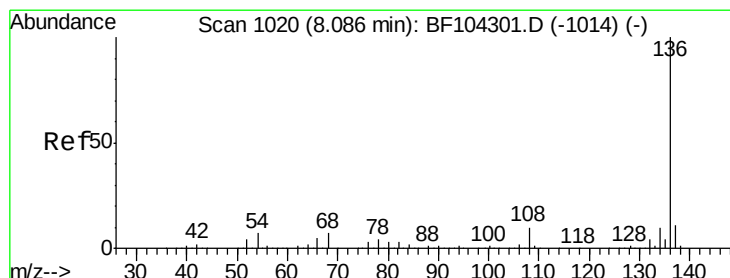
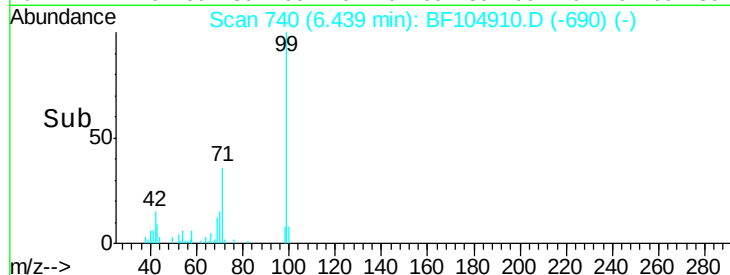
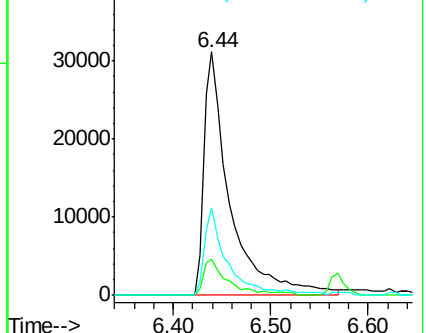
99 100

42 14.7 14.5 21.7

71 35.7 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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

Tgt Ion: 136 Resp: 341795

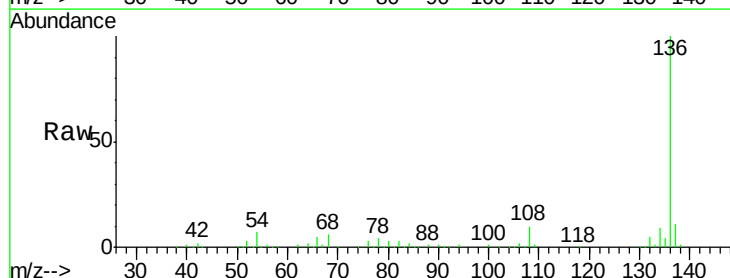
Ion Ratio Lower Upper

136 100

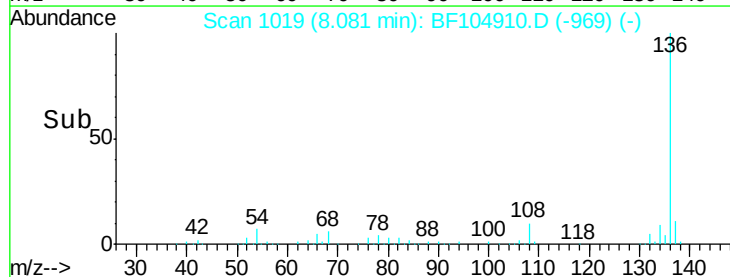
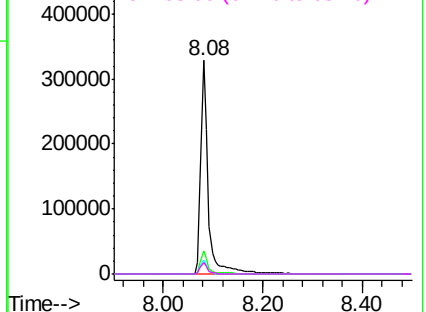
137 10.7 8.9 13.3

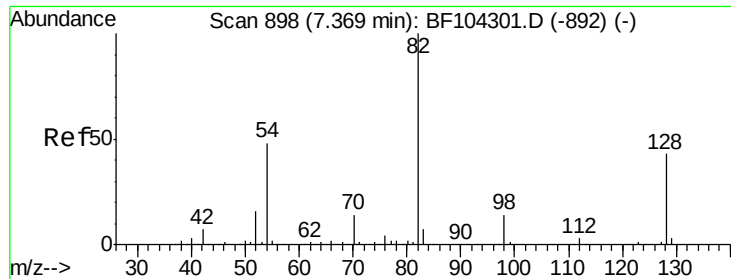
54 6.6 6.6 9.8

68 5.7 5.0 7.4



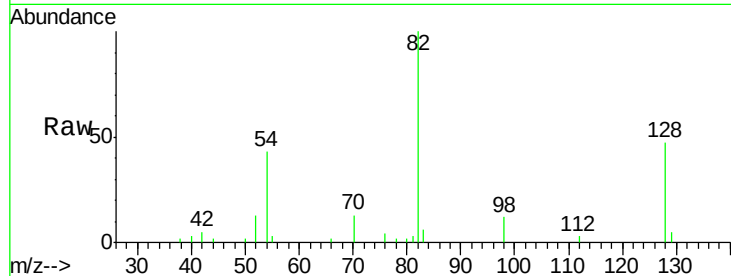
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



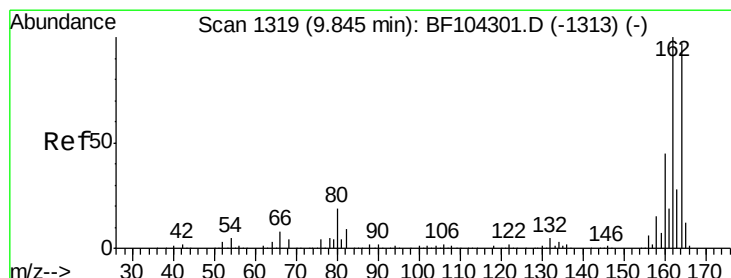
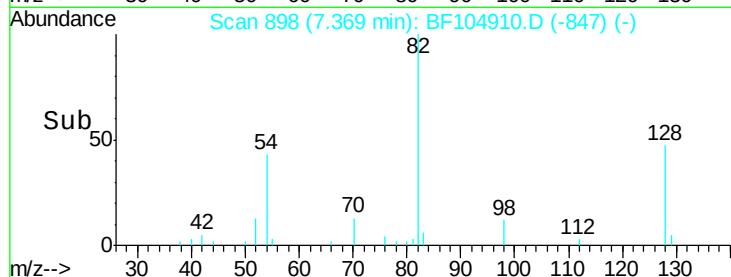
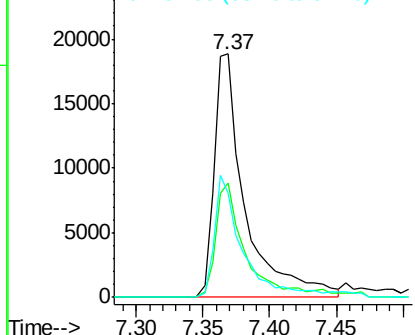


#23
Nitrobenzene-d5
Concen: 5.873 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tot Ion: 82 Resp: 30743
Ion Ratio Lower Upper
82 100
128 46.9 36.1 54.1
54 42.8 41.4 62.2

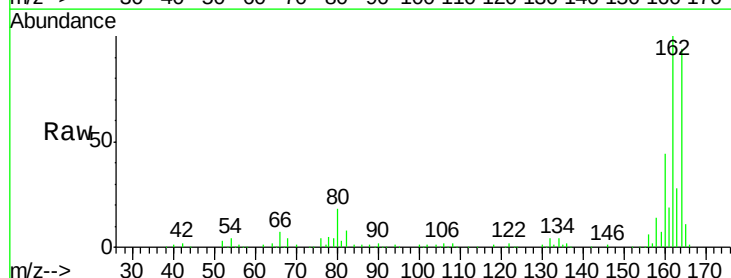


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

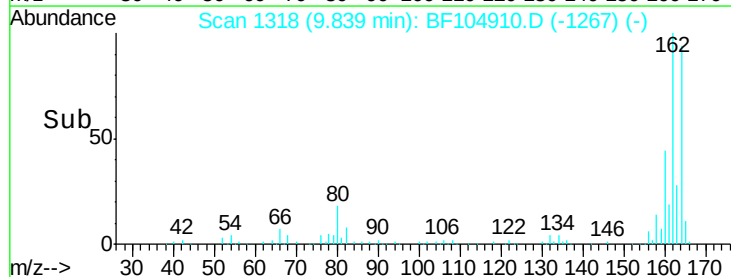
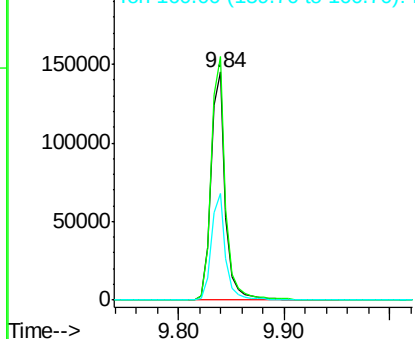


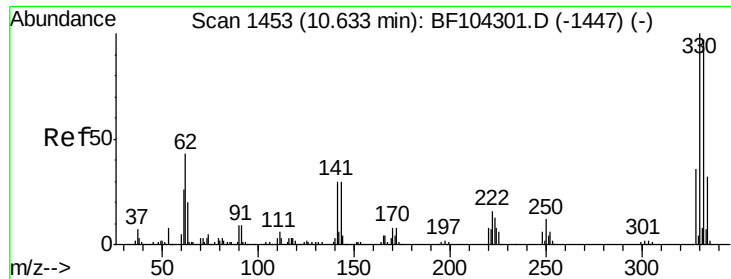
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tgt Ion: 164 Resp: 139026
Ion Ratio Lower Upper
164 100
162 106.9 86.1 129.1
160 47.0 38.3 57.5



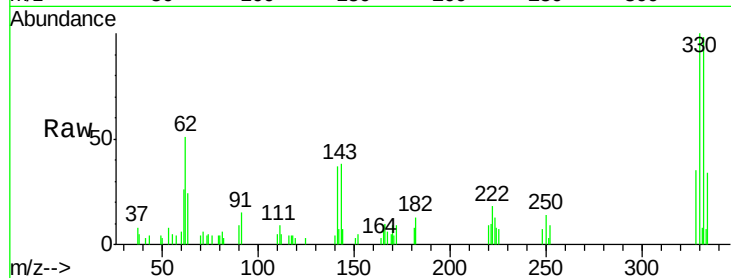
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



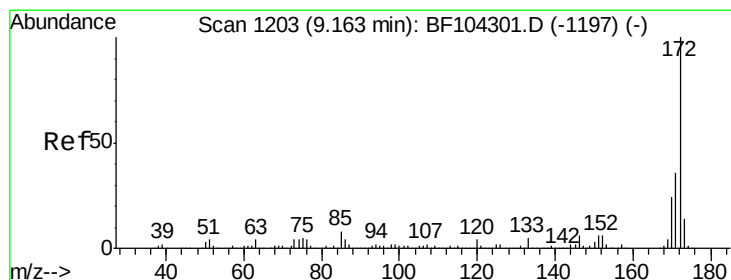
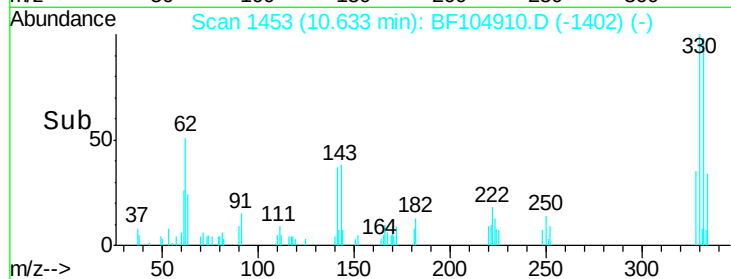
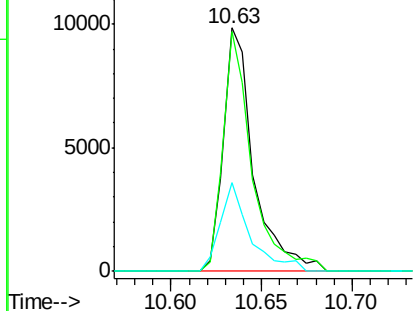


#41
 2,4,6-Tribromophenol
 Concen: 7.962 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	77.0	115.6
141	35.8	29.9	44.9

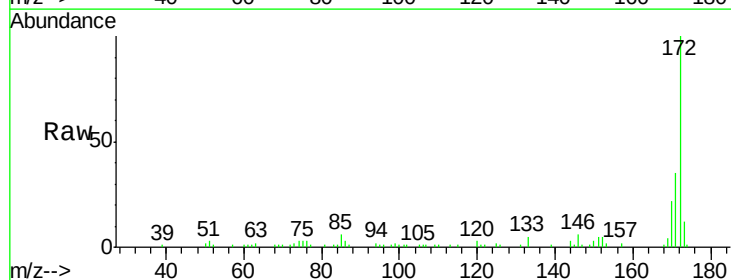


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

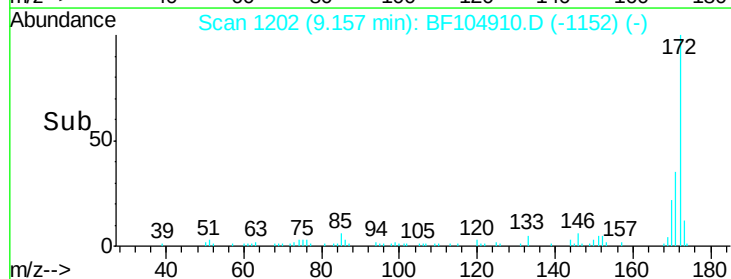
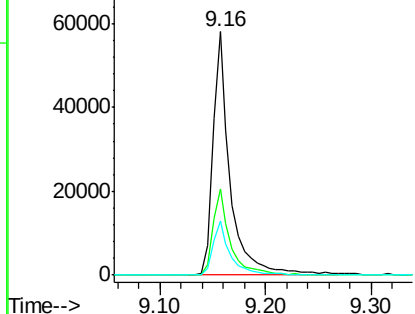


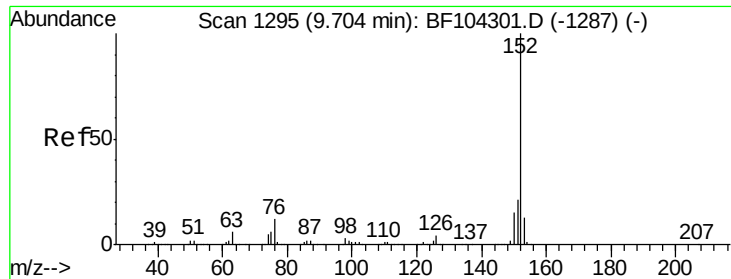
#44
 2-Fluorobiphenyl
 Concen: 7.552 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.1	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: 10.007 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

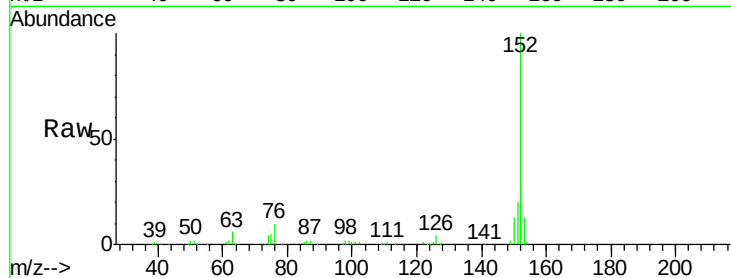
Tot Ion:152 Resp: 144836

Ion Ratio Lower Upper

152 100

151 19.7 16.3 24.5

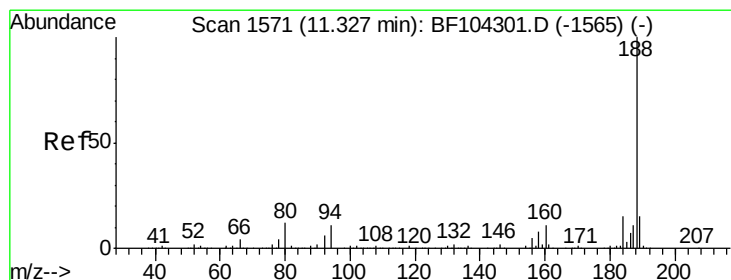
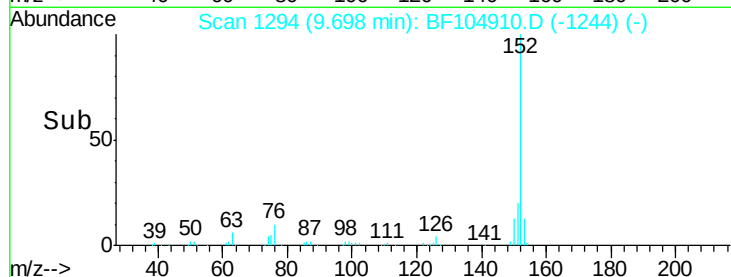
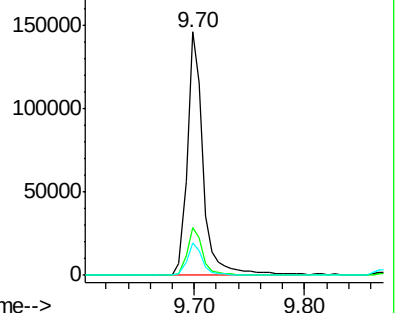
153 13.3 10.7 16.1



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

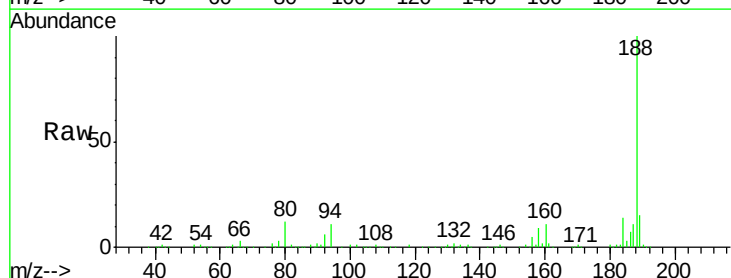
Tgt Ion:188 Resp: 217626

Ion Ratio Lower Upper

188 100

94 10.8 8.5 12.7

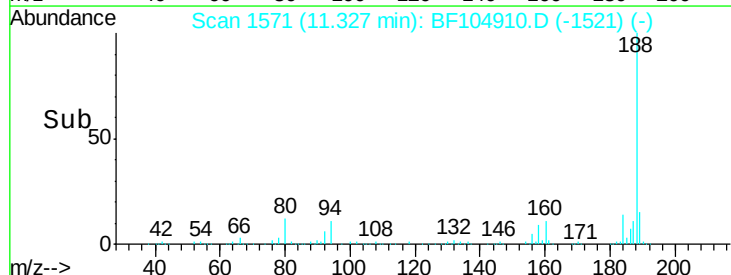
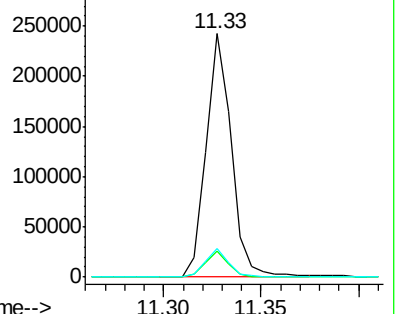
80 11.5 9.2 13.8

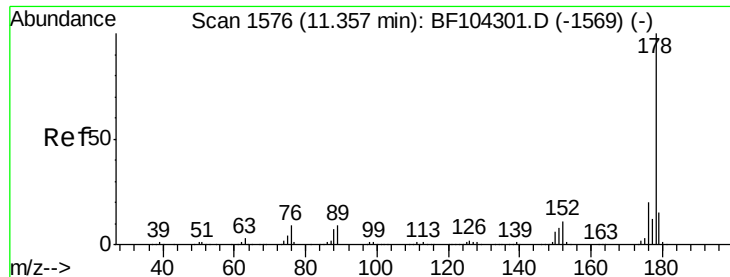


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

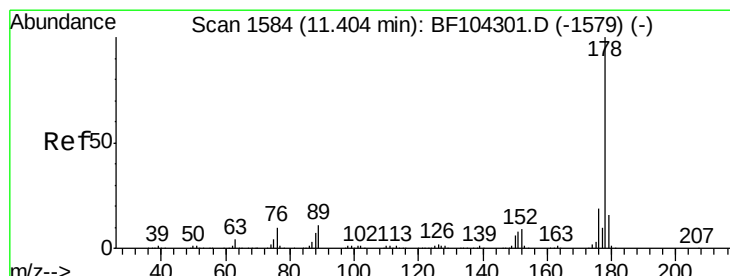
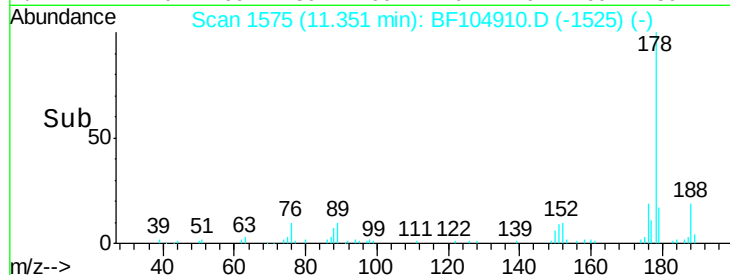
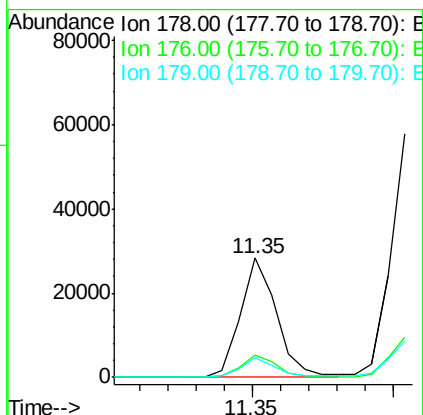
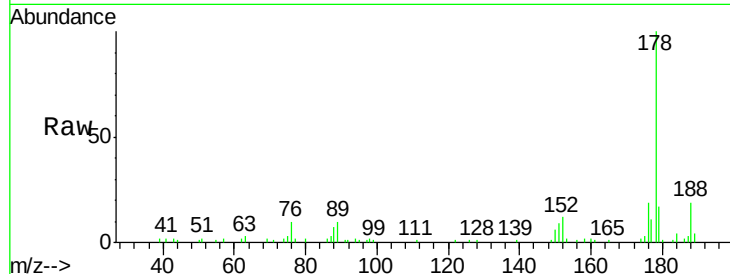
Ion 80.00 (79.70 to 80.70): BF1





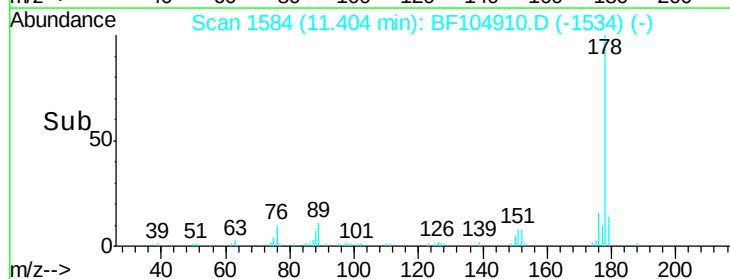
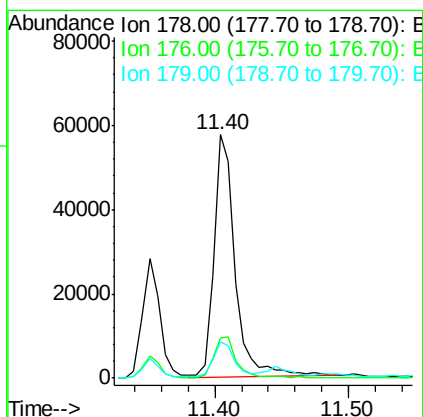
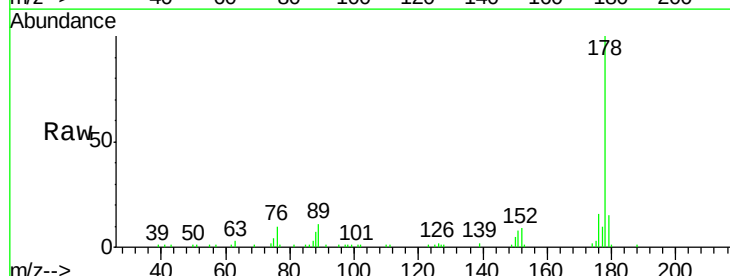
#70
Phenanthrene
Concen: 2.072 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

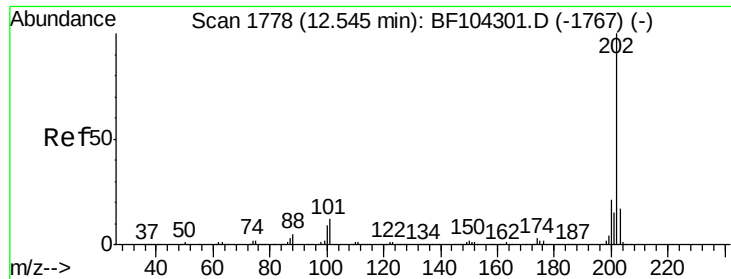
Tot Ion:178 Resp: 25107
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 16.7 13.0 19.6



#71
Anthracene
Concen: 5.191 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

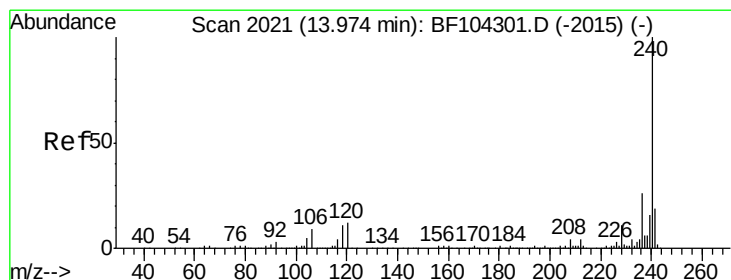
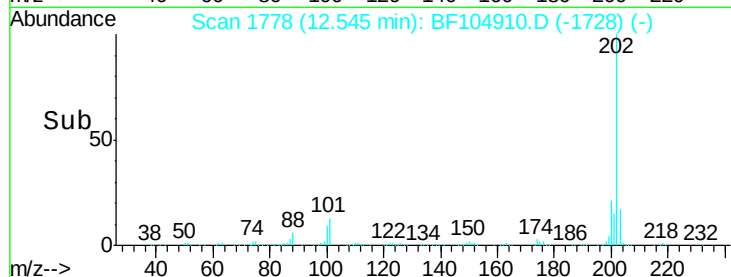
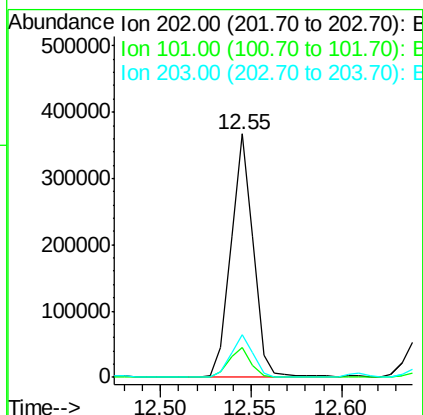
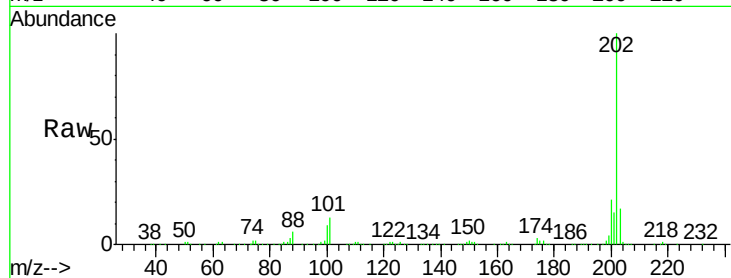
Tgt Ion:178 Resp: 63947
Ion Ratio Lower Upper
178 100
176 16.3 15.4 23.2
179 15.0 12.6 19.0





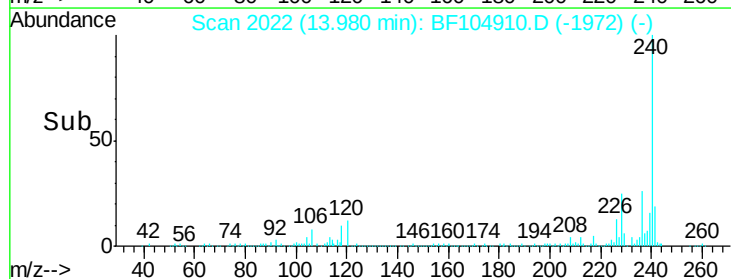
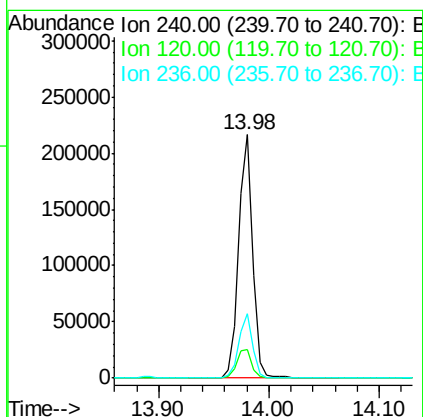
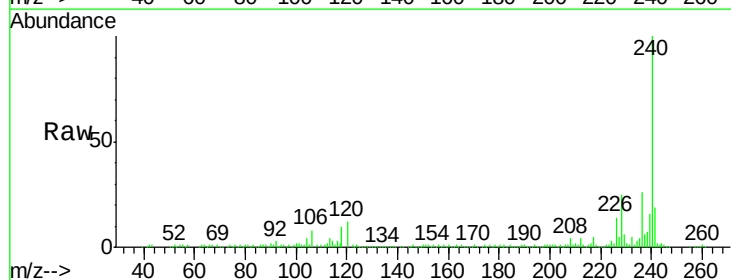
#74
 Fluoranthene
 Concen: 24.789 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

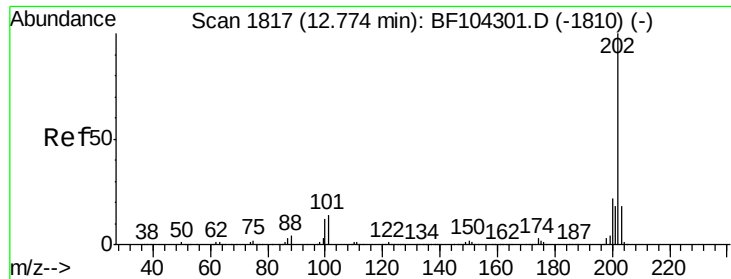
Tot Ion:	202	Resp:	313887
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.5	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104910.D
 Acq: 28 Apr 2018 5:15

Tgt Ion:	240	Resp:	194995
Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.3	20.7	31.1





#77

Pvrene

Concen: 28.193 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

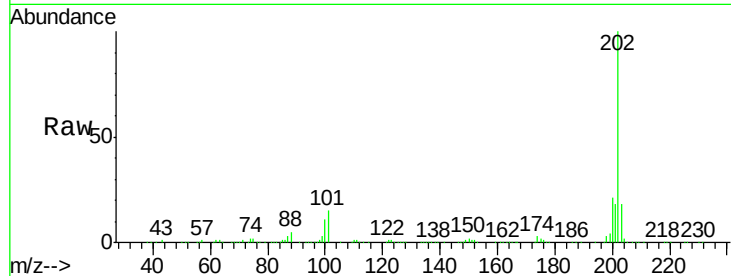
Tot Ion:202 Resp: 407488

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

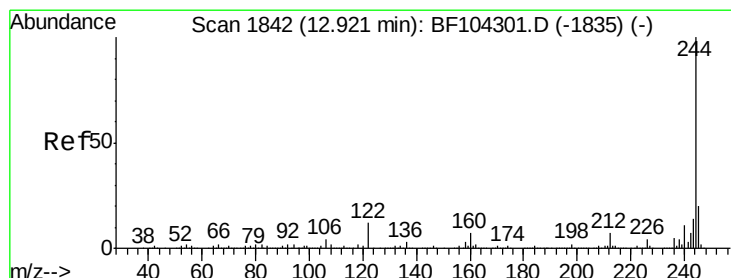
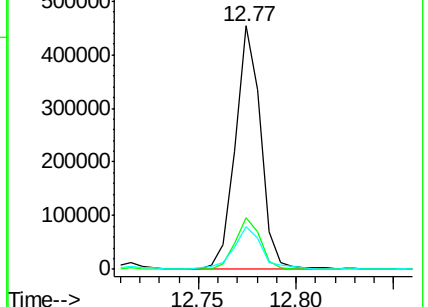
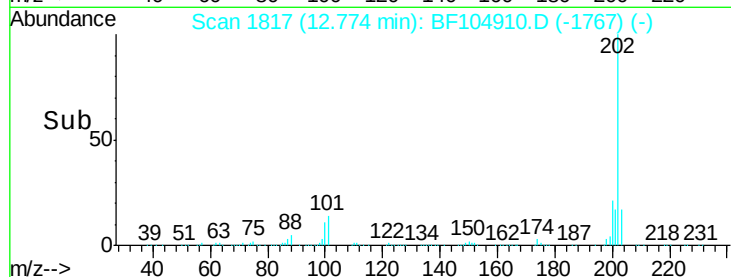
203 17.5 14.3 21.5



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: 6.043 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

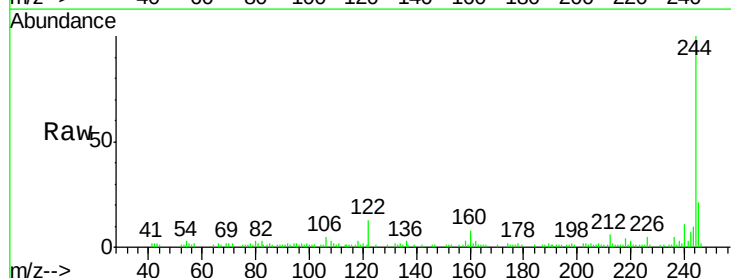
Tgt Ion:244 Resp: 51686

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

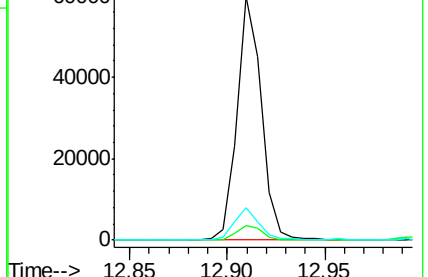
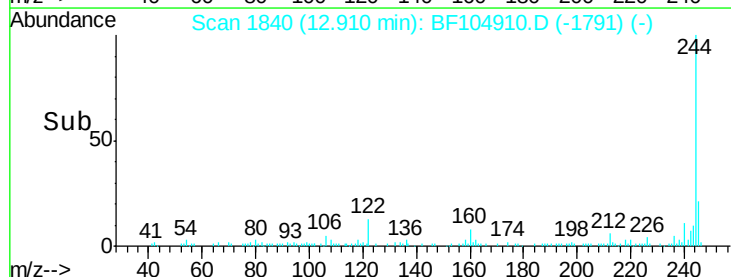
122 13.4 11.0 16.4

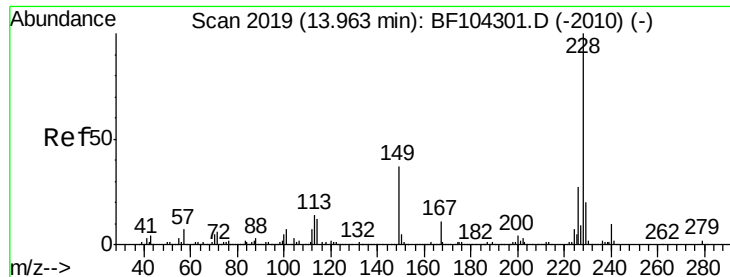


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 24.056 ng m

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

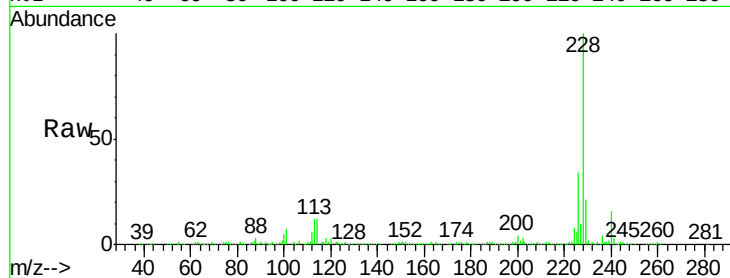
Tot Ion:228 Resp: 280232

Ion Ratio Lower Upper

228 100

226 33.9 22.6 33.8#

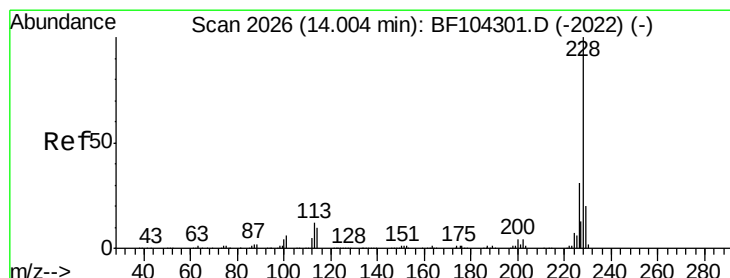
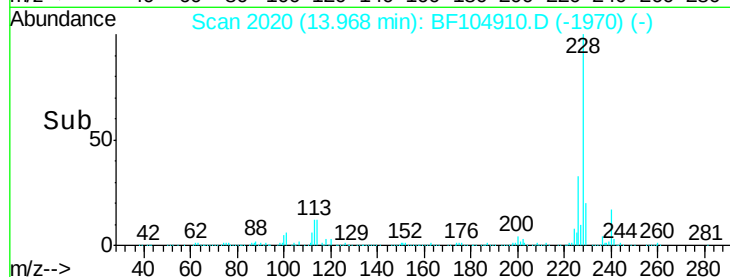
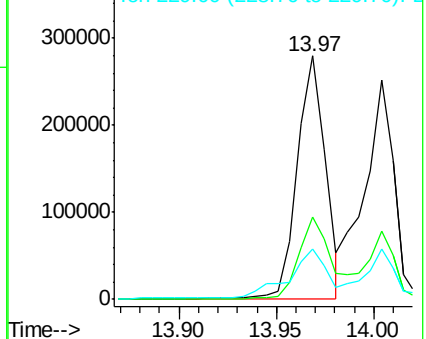
229 20.9 15.8 23.6



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: 22.405 ng m

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

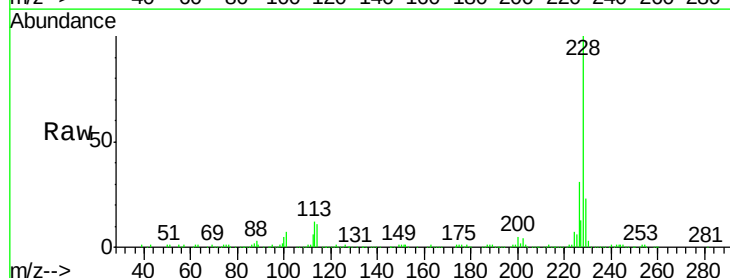
Tgt Ion:228 Resp: 268092

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

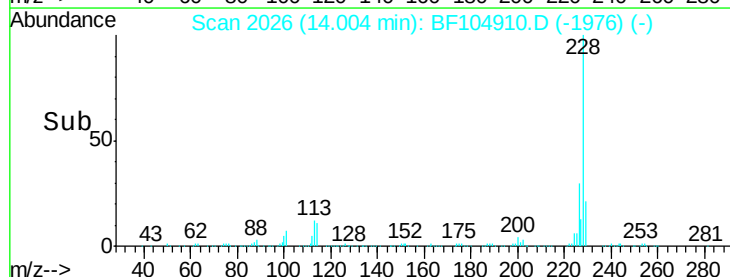
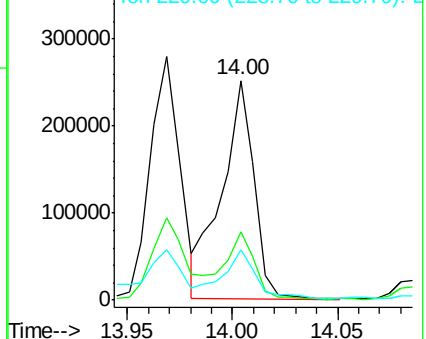
229 22.7 16.2 24.4

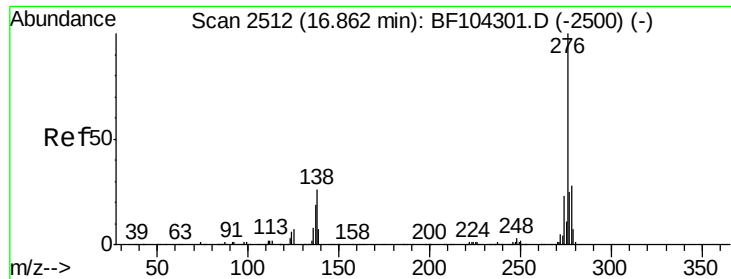


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

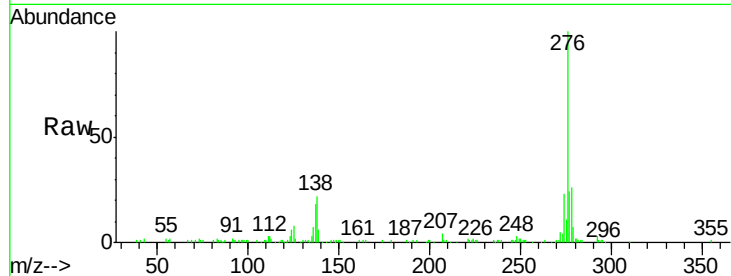
Ion 229.00 (228.70 to 229.70): E



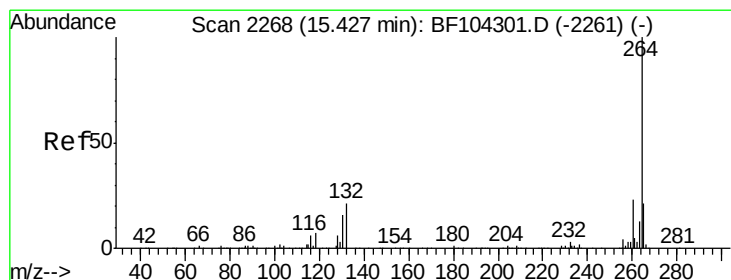
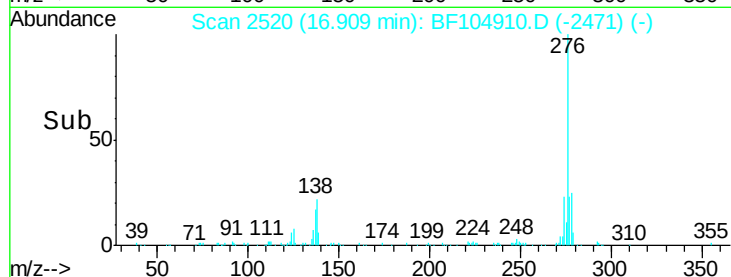
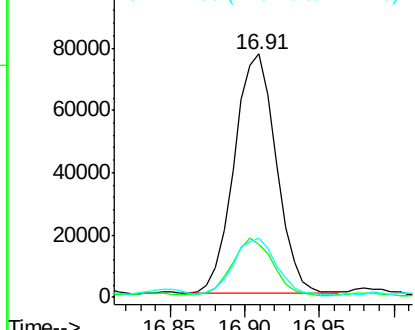


#85
Indeno(1,2,3-cd)pyrene
Concen: 14.824 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	25.0	37.6#
277	24.3	20.1	30.1

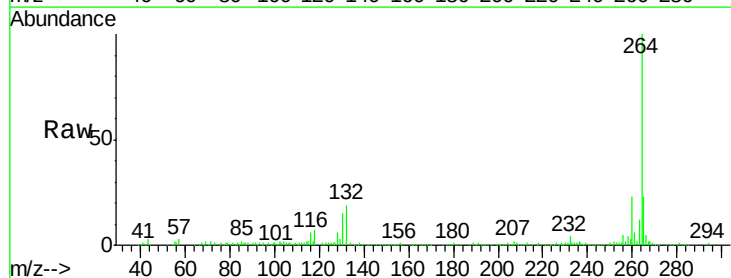


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

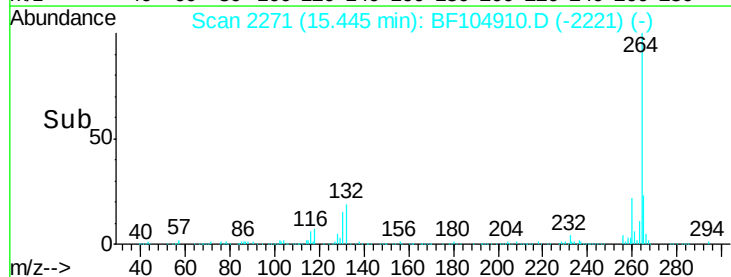
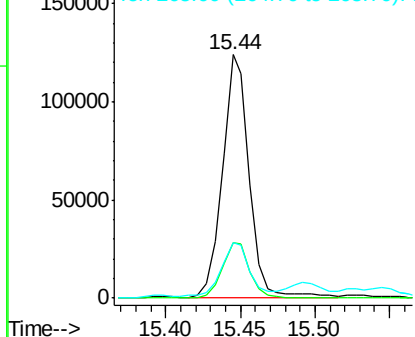


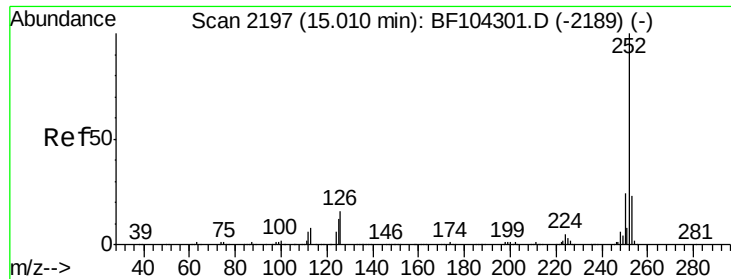
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	23.0	17.5	26.3



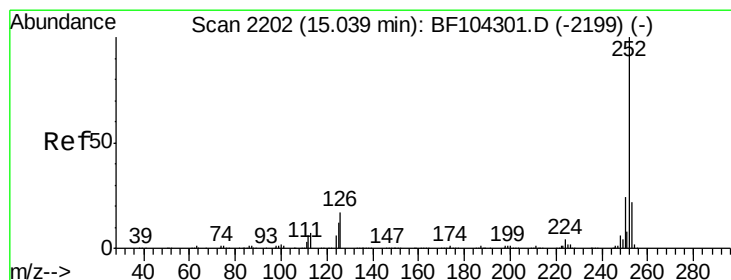
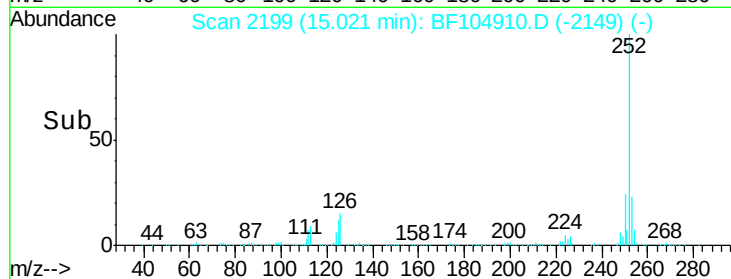
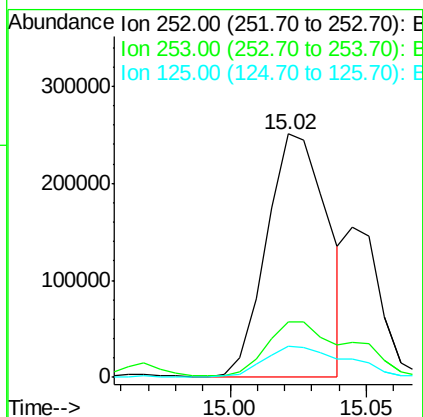
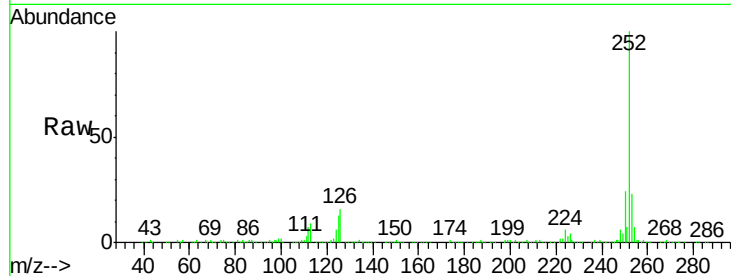
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





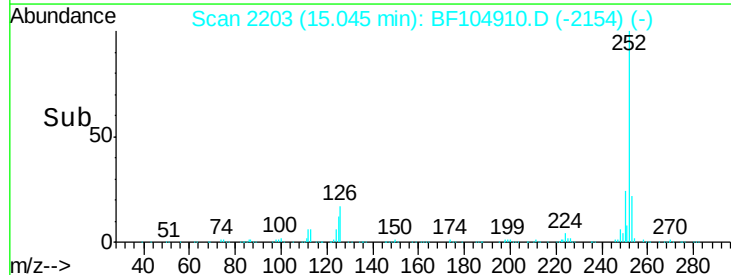
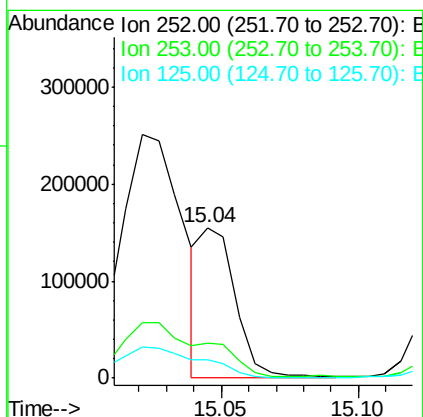
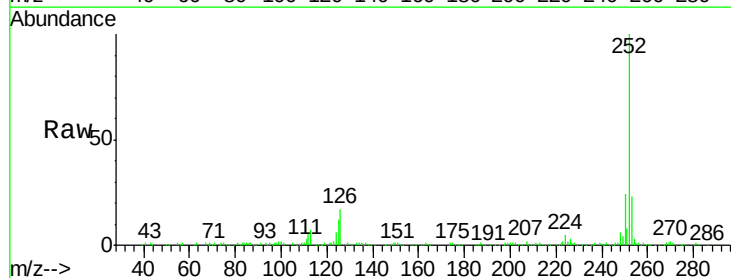
#87
Benzo(b)fluoranthene
Concen: 39.656 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

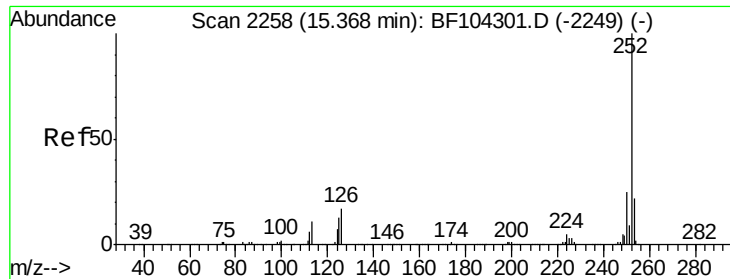
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	12.7	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 14.842 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

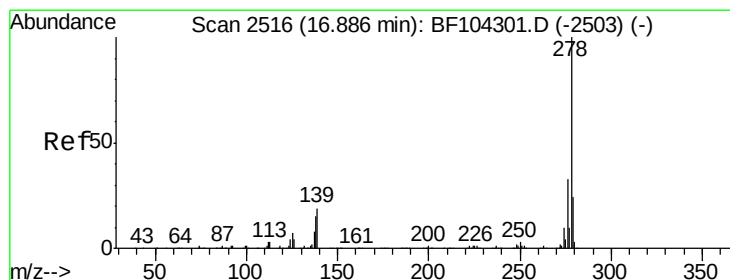
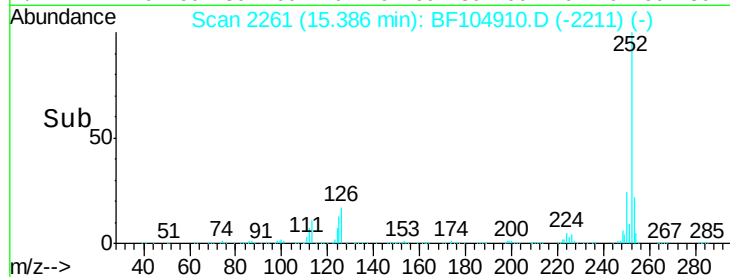
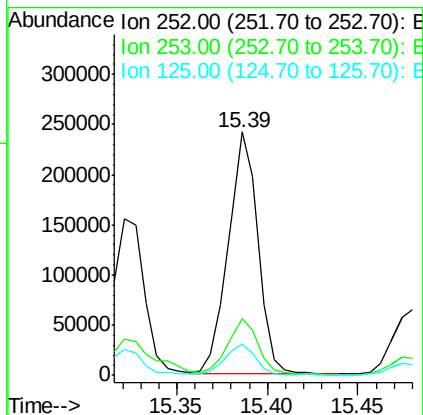
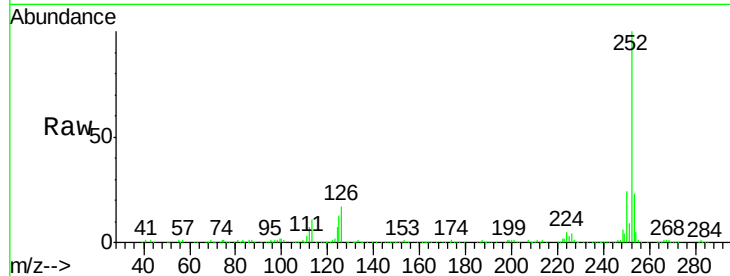
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	12.2	10.2	15.2





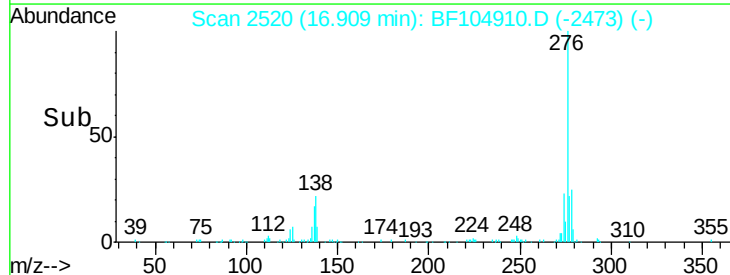
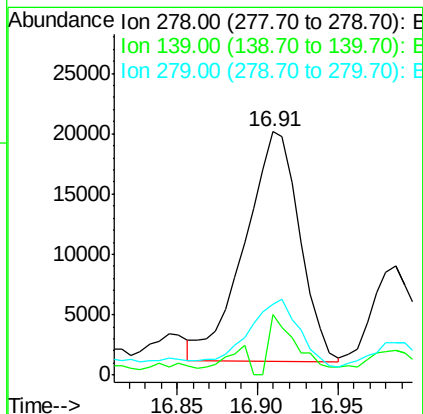
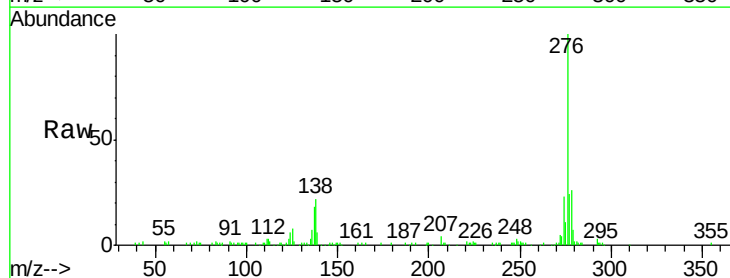
#89
Benzo(a)pyrene
Concen: 31.675 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

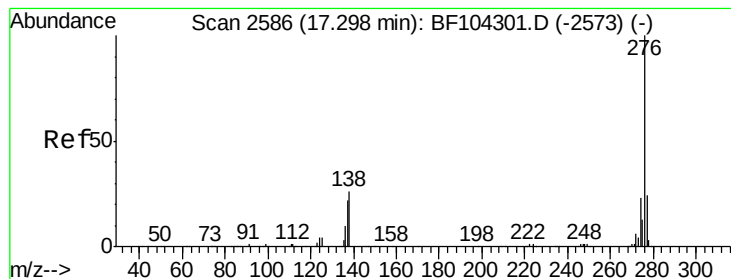
Tot Ion: 252 Resp: 276344
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 13.0 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 6.269 ng m
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BF104910.D
Acq: 28 Apr 2018 5:15

Tgt Ion: 278 Resp: 44920
Ion Ratio Lower Upper
278 100
139 25.0 15.9 23.9#
279 28.9 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 19.112 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BF104910.D

Acq: 28 Apr 2018 5:15

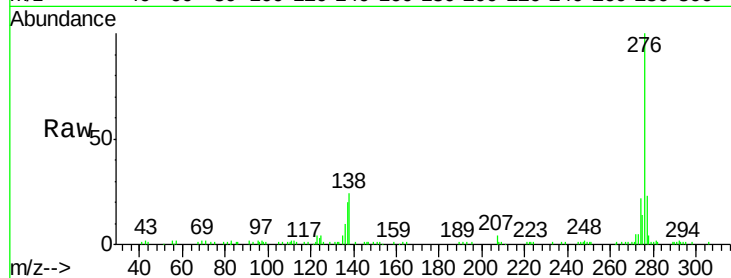
Tot Ion: 276 Resp: 132680

Ion Ratio Lower Upper

276 100

277 23.1 17.9 26.9

138 23.5 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

