

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104915.D
 Acq On : 28 Apr 2018 7:27
 Operator : JU/SJ
 Sample : J2565-11
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

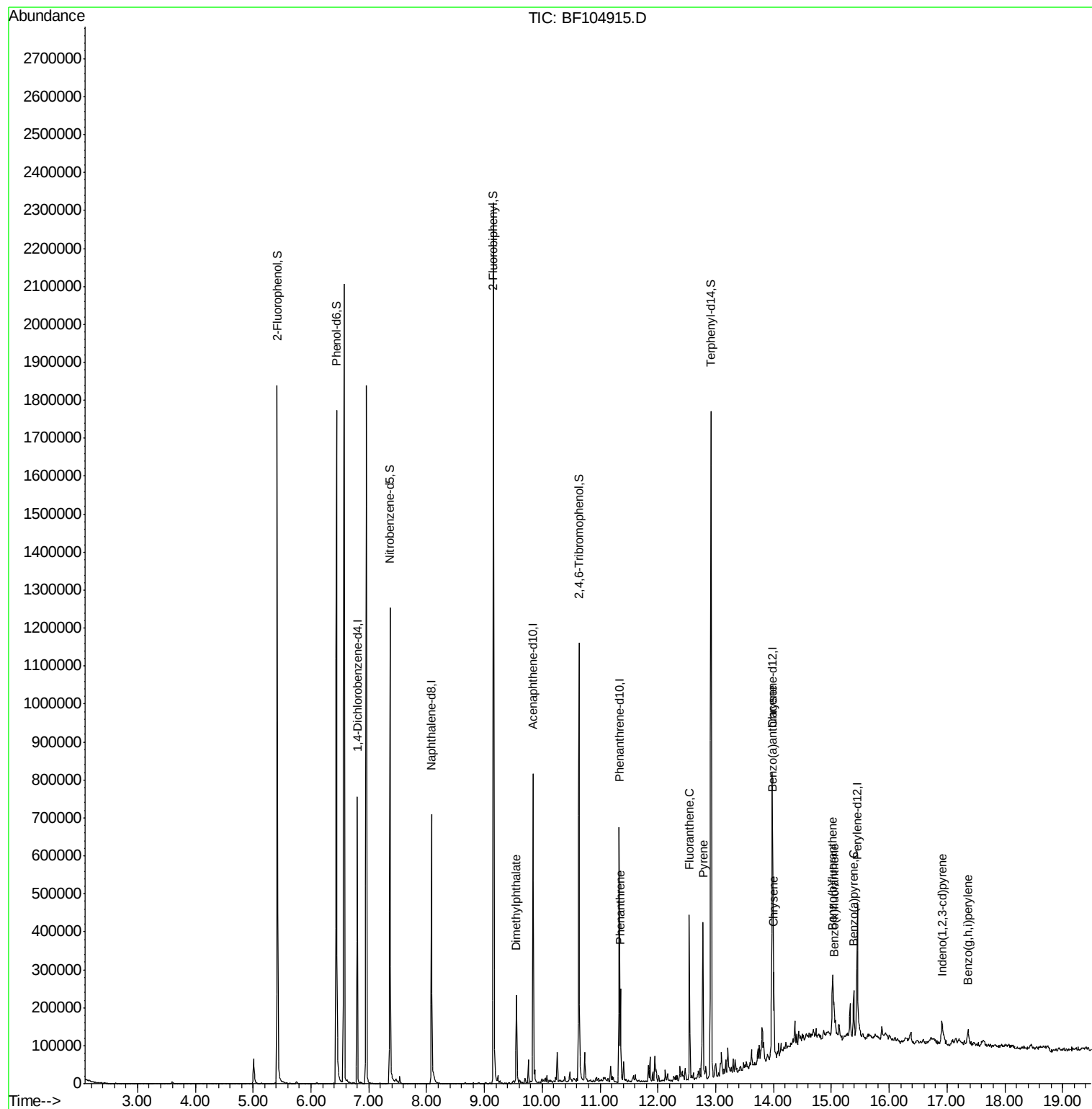
Quant Time: Apr 30 03:43:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

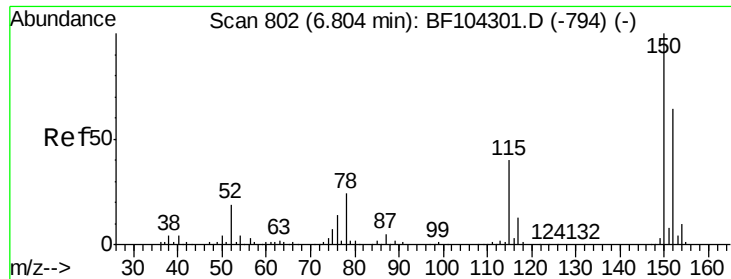
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	104138	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	399192	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	160289	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	255841	20.00	ng	0.00
75) Chrysene-d12	13.98	240	214229	20.00	ng	0.00
86) Perylene-d12	15.45	264	151784	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	622076	91.34	ng	0.01
7) Phenol-d6	6.44	99	752827	89.96	ng	0.00
23) Nitrobenzene-d5	7.37	82	444356	72.69	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	149318	89.80	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	743854	73.31	ng	0.00
78) Terphenyl-d14	12.92	244	617631	65.73	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	104179	8.242	ng	99
70) Phenanthrene	11.36	178	89043	6.250	ng	97
74) Fluoranthene	12.54	202	179943	12.088	ng	98
77) Pyrene	12.78	202	170094	10.712	ng	99
80) Benzo(a)anthracene	13.97	228	96261	7.521	ng	98
82) Chrysene	14.00	228	81078	6.168	ng	95
85) Indeno(1,2,3-cd)pyrene	16.92	276	31333	2.806	ng	93
87) Benzo(b)fluoranthene	15.02	252	83435m	8.703	ng	
88) Benzo(k)fluoranthene	15.04	252	29662m	3.277	ng	
89) Benzo(a)pyrene	15.39	252	58214	6.787	ng	97
91) Benzo(g,h,i)perylene	17.36	276	32626	4.780	ng	93

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

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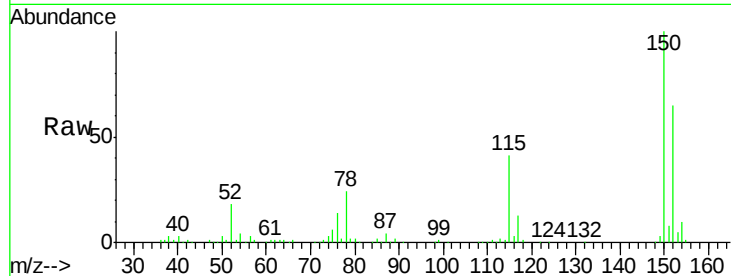




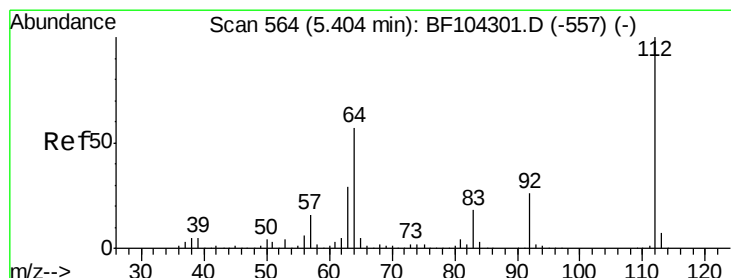
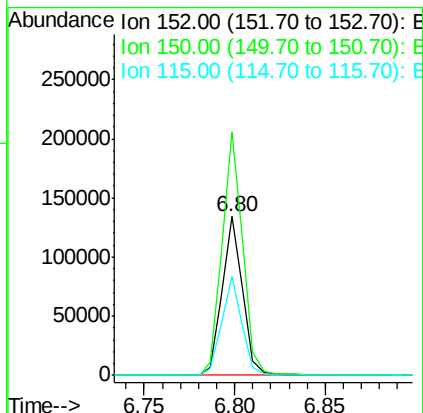
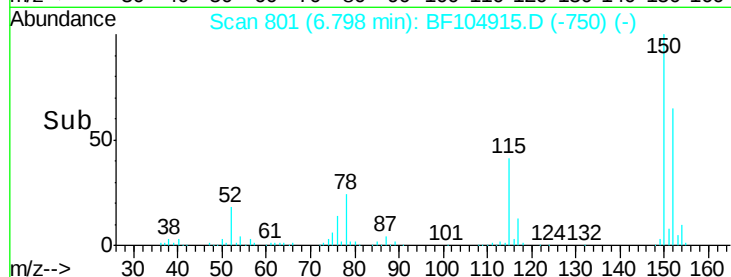
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	124.6	186.8
115	62.5	50.1	75.1



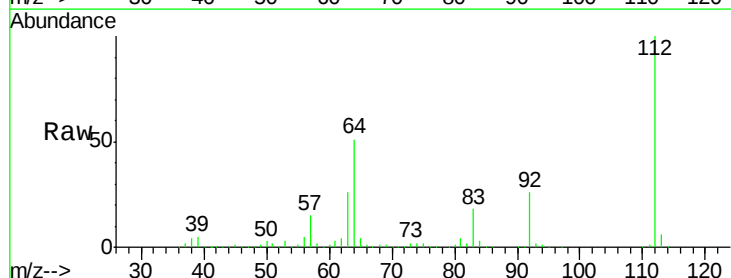
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



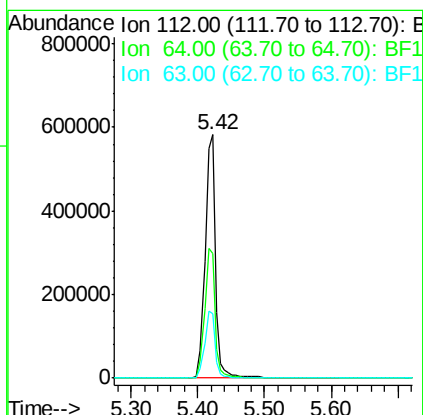
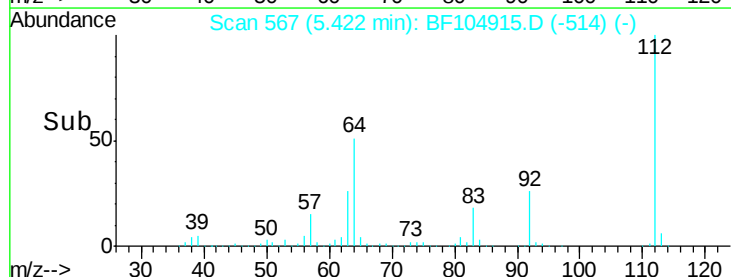
#5

2-Fluorophenol
Concen: 91.339 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.3	47.9	71.9
63	26.2	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: 89.965 ng

RT: 6.44 min Scan# 740

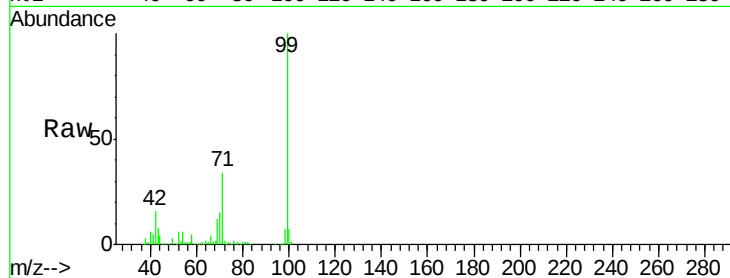
Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

Tot Ion: 99 Resp: 752827

Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	34.0	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

6.44

800000

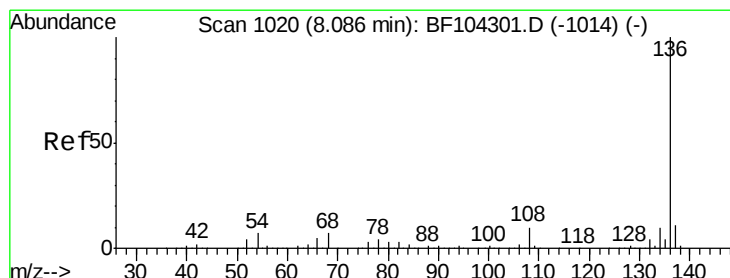
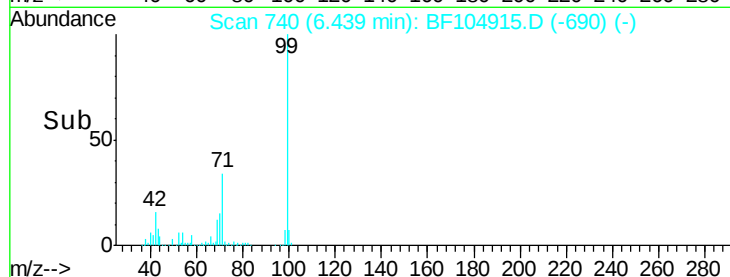
600000

400000

200000

0

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

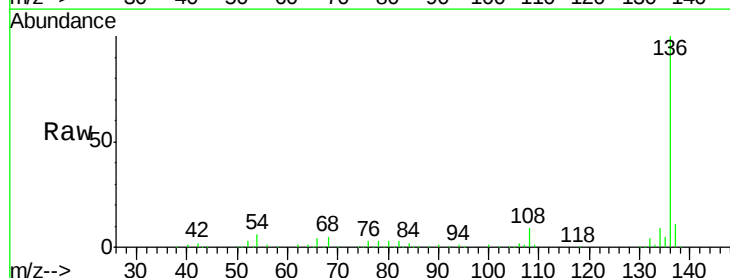
Delta R.T. 0.00 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

Tgt Ion: 136 Resp: 399192

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.1	6.6	9.8
68	5.3	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

8.09

500000

400000

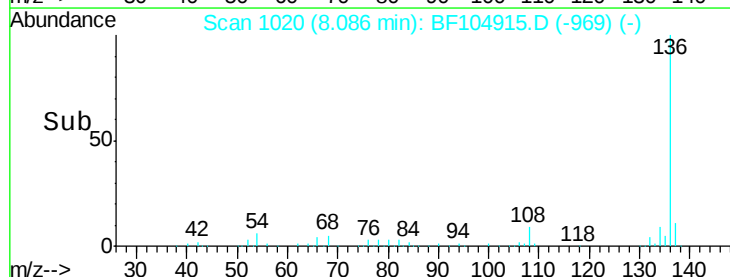
300000

200000

100000

0

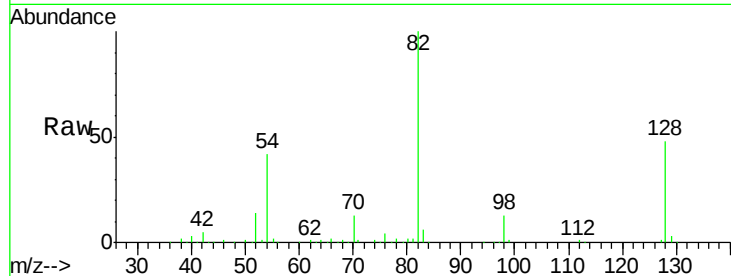
Time-->



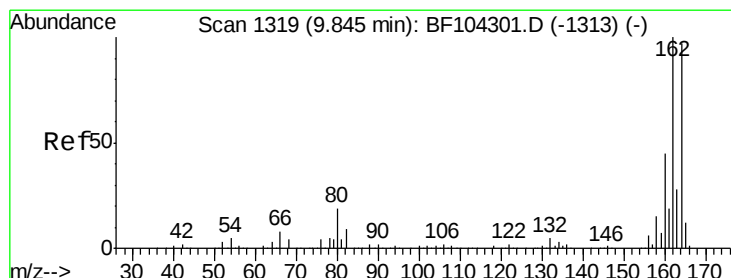
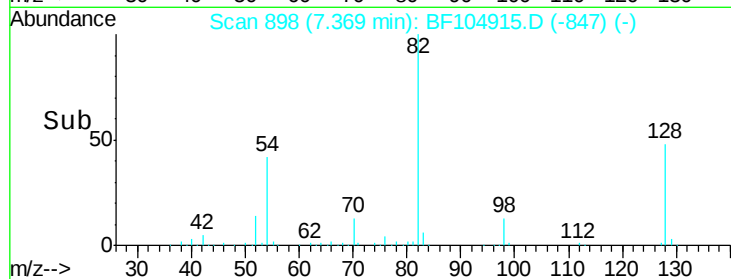
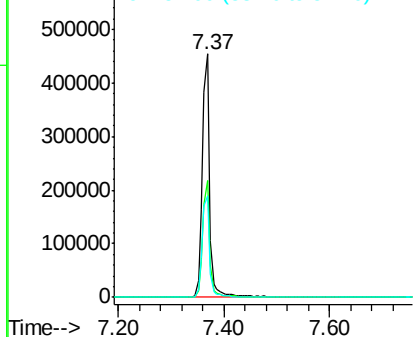


#23
 Nitrobenzene-d5
 Concen: 72.686 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tot Ion	82	Resp	444356
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	41.5	41.4	62.2

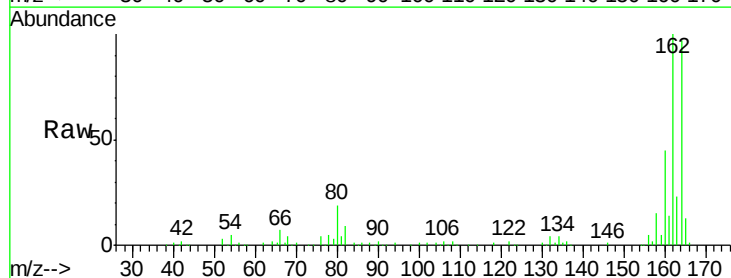


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

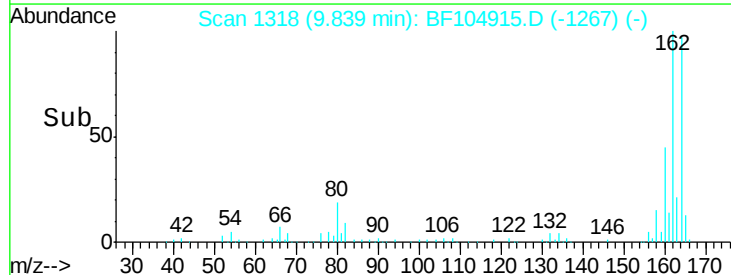
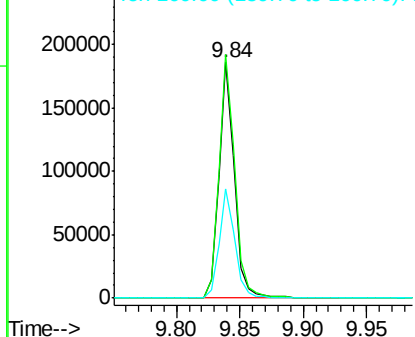


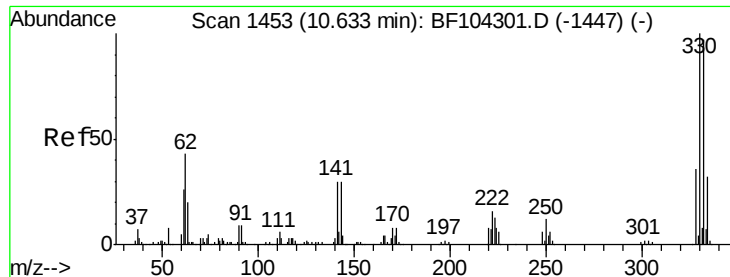
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tgt Ion	164	Resp	160289
Ion Ratio	100		
Lower	86.1		
Upper	129.1		
162	103.4	38.3	57.5
160	46.6		



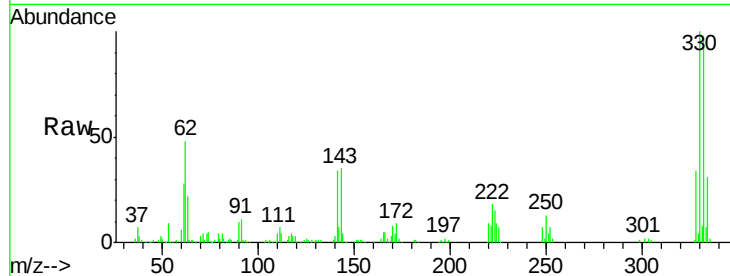
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



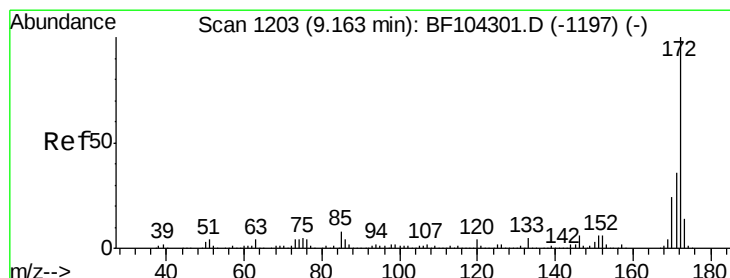
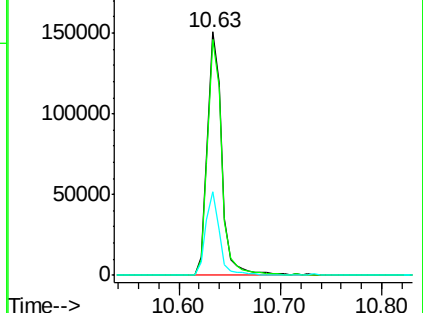
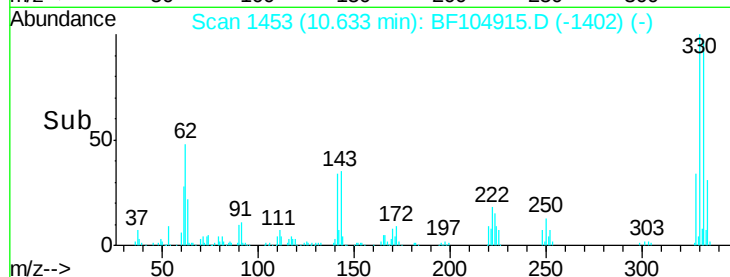


#41
 2,4,6-Tribromophenol
 Concen: 89.803 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	32.9	29.9	44.9

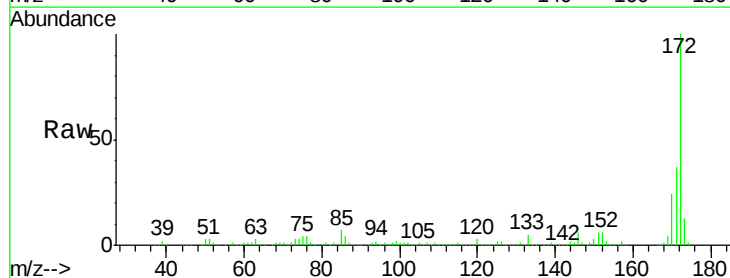


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

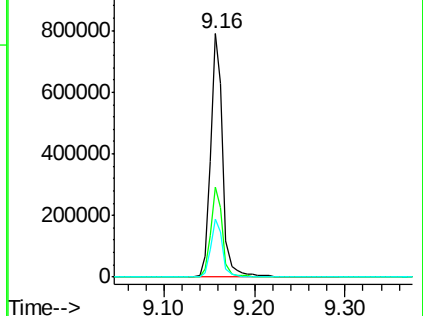
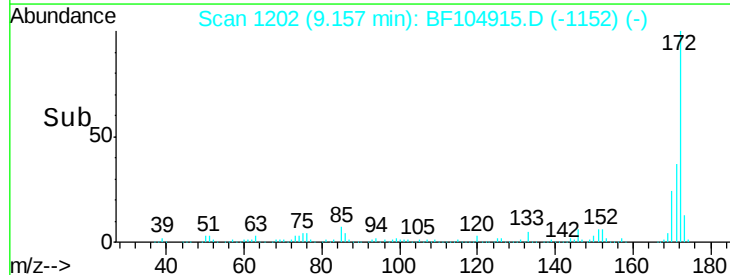


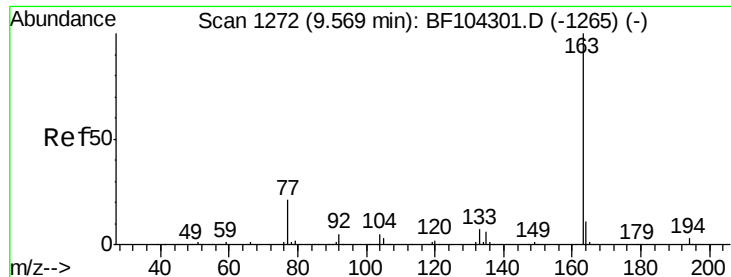
#44
 2-Fluorobiphenyl
 Concen: 73.312 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	23.7	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: 8.242 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

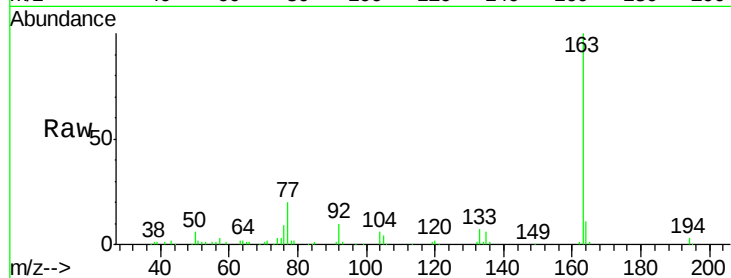
Tot Ion:163 Resp: 104179

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

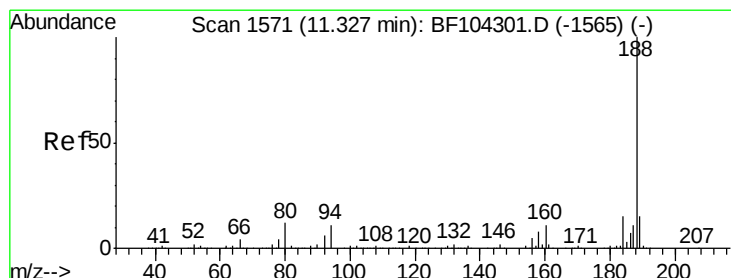
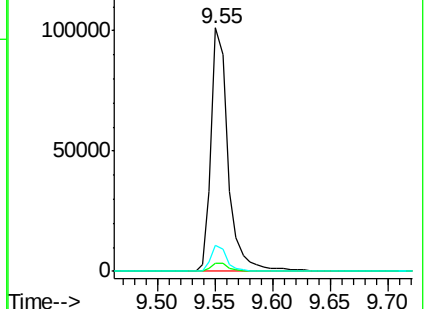
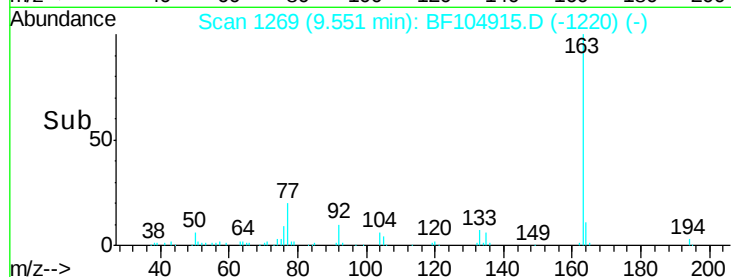
164 10.6 8.2 12.2



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: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

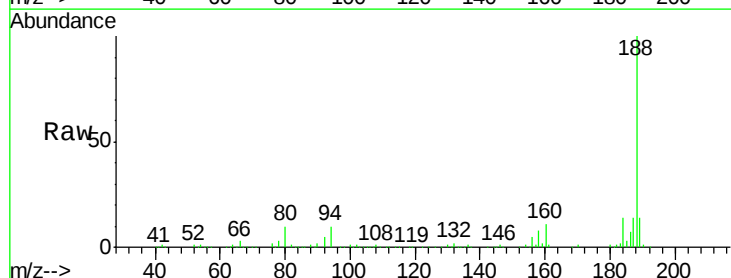
Tgt Ion:188 Resp: 255841

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

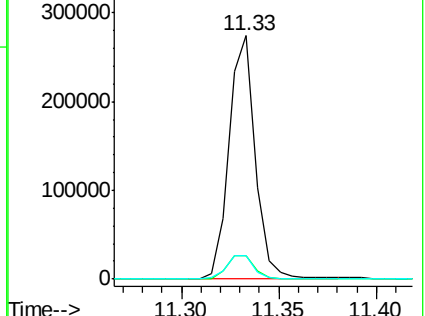
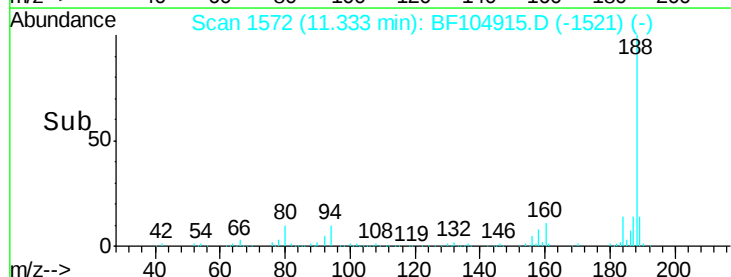
80 9.7 9.2 13.8

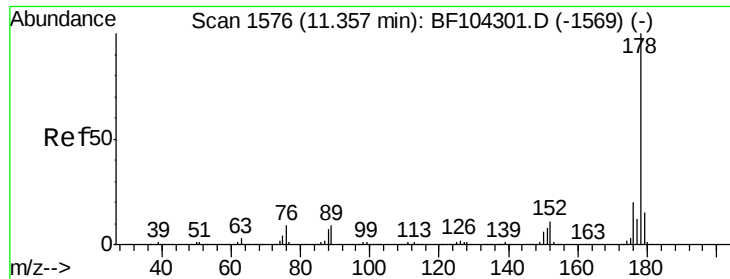


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

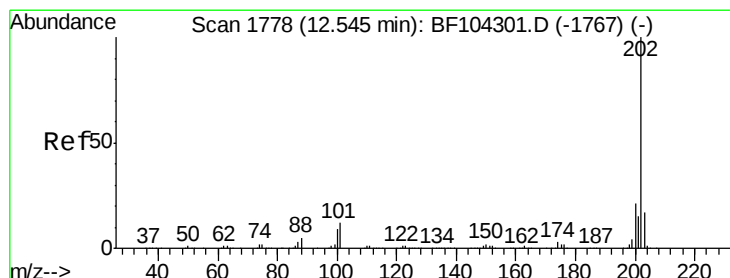
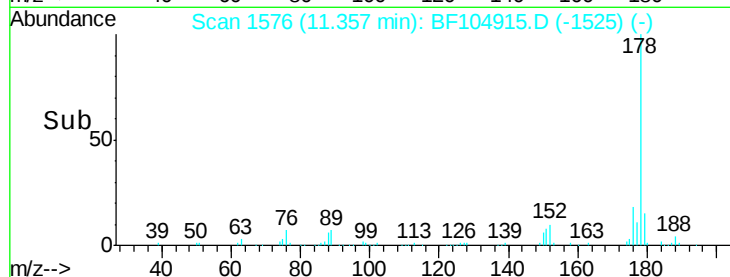
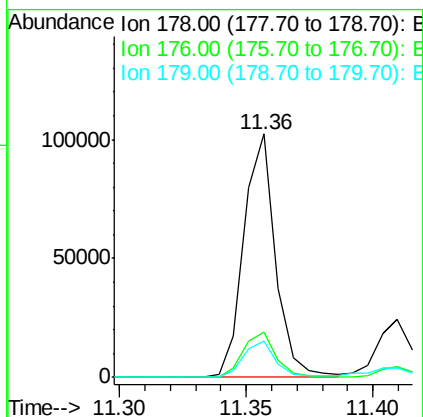
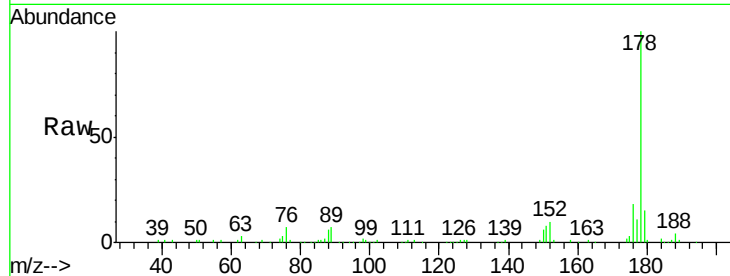
Ion 80.00 (79.70 to 80.70): BF1





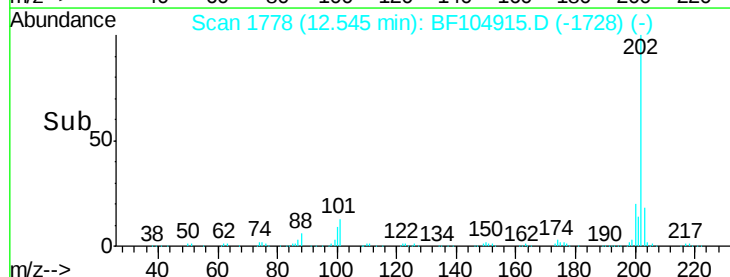
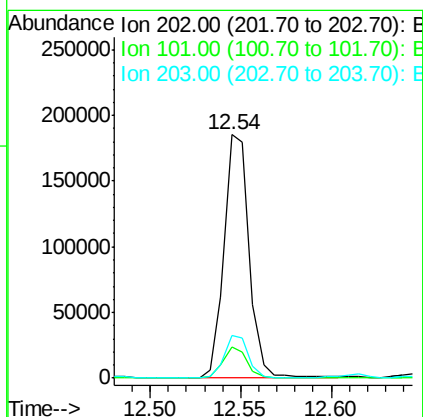
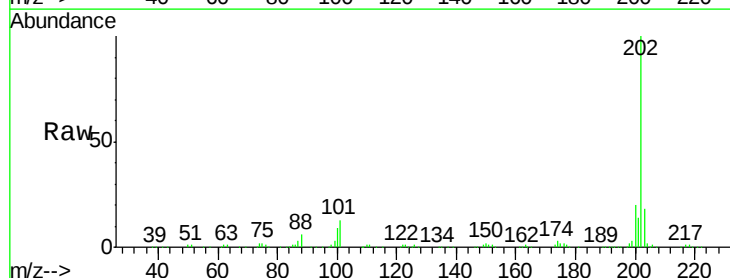
#70
Phenanthrene
Concen: 6.250 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

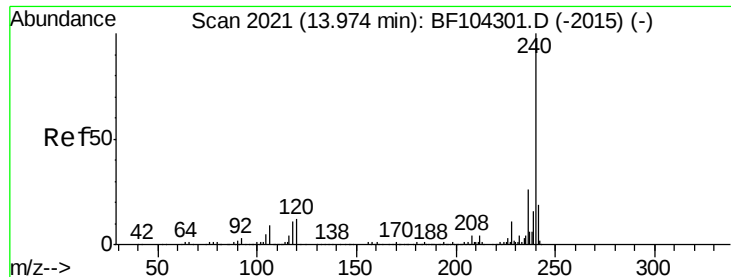
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.6	13.0	19.6



#74
Fluoranthene
Concen: 12.088 ng
RT: 12.54 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.7	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: BF104915.D

Acq: 28 Apr 2018 7:27

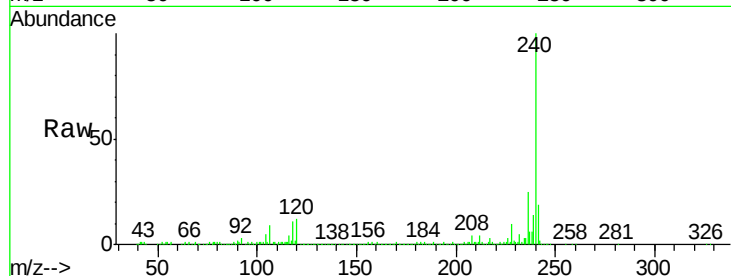
Tot Ion:240 Resp: 214229

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

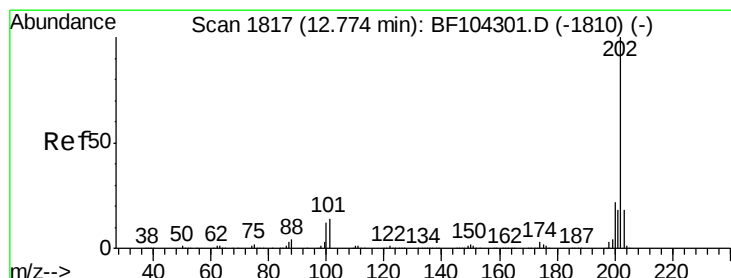
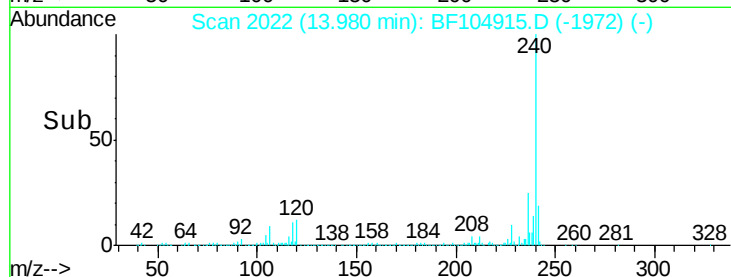
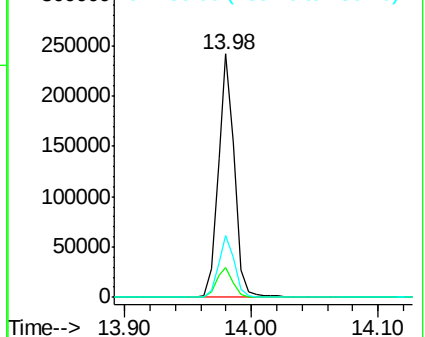
236 25.3 20.7 31.1



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: 10.712 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

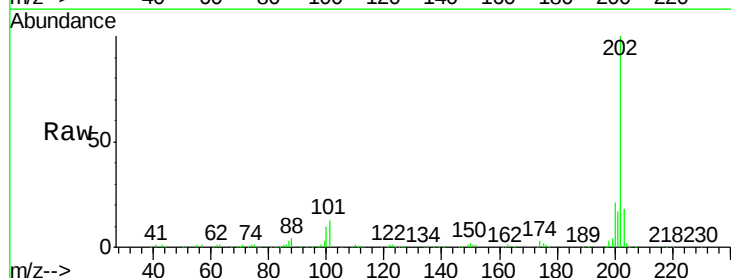
Tgt Ion:202 Resp: 170094

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

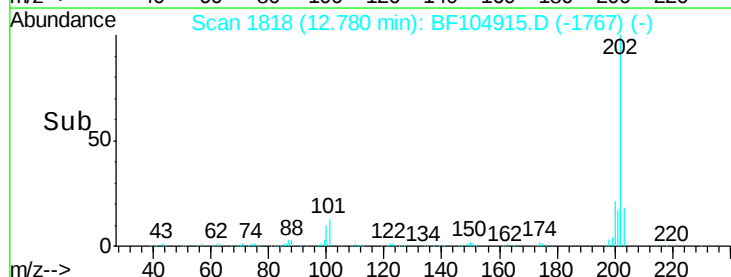
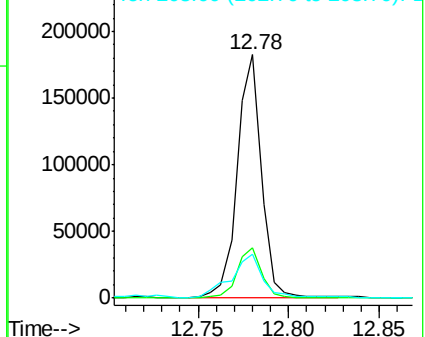
203 18.1 14.3 21.5

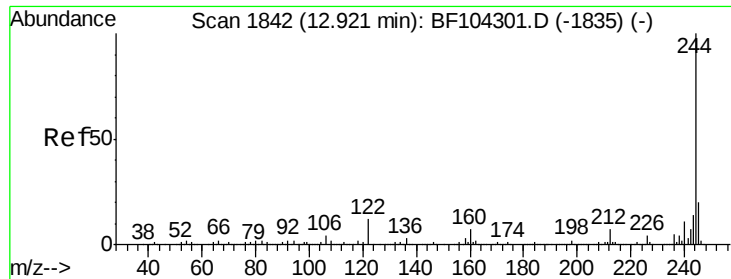


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

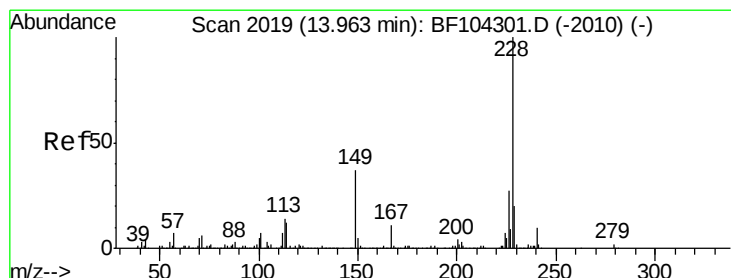
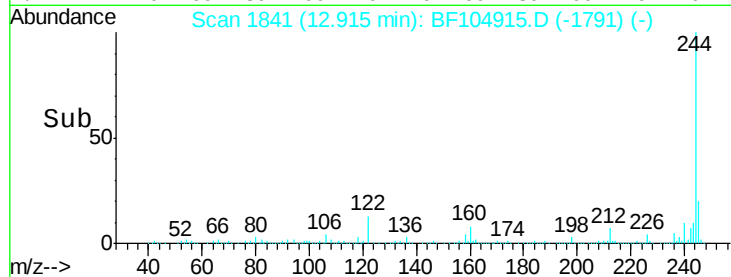
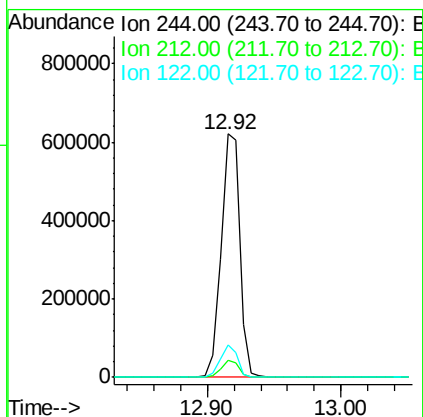
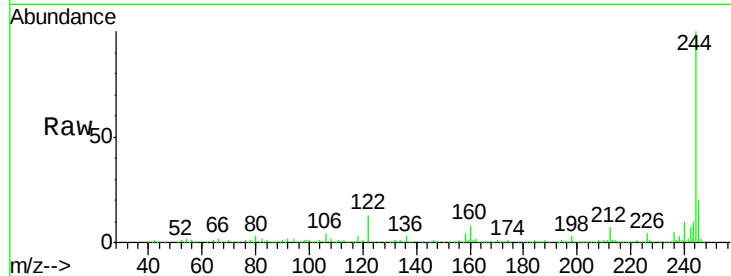
Ion 203.00 (202.70 to 203.70): E





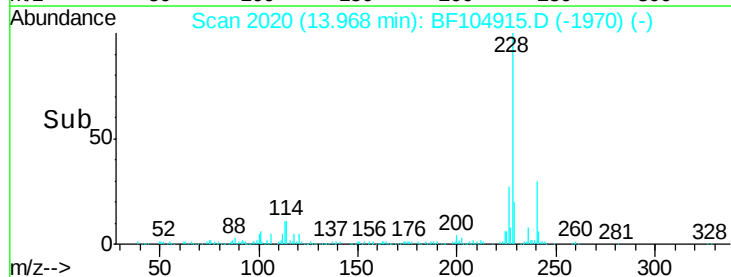
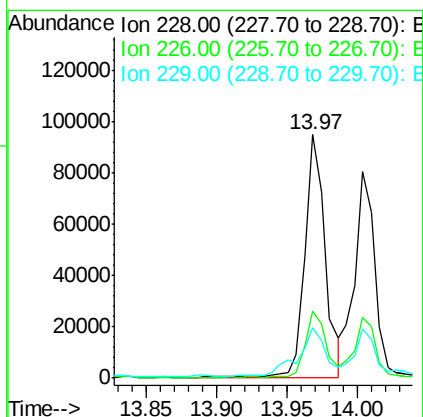
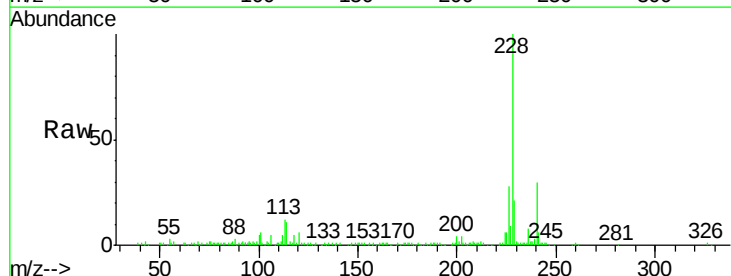
#78
 Terphenyl-d14
 Concen: 65.728 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

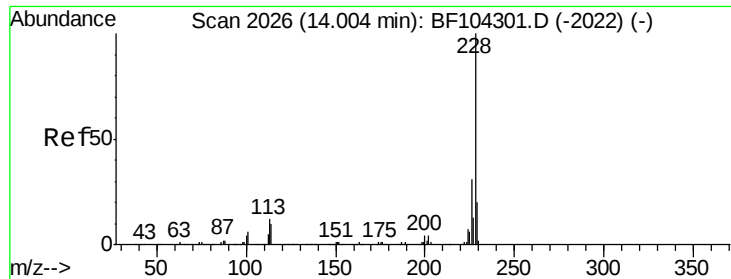
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.4	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 7.521 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

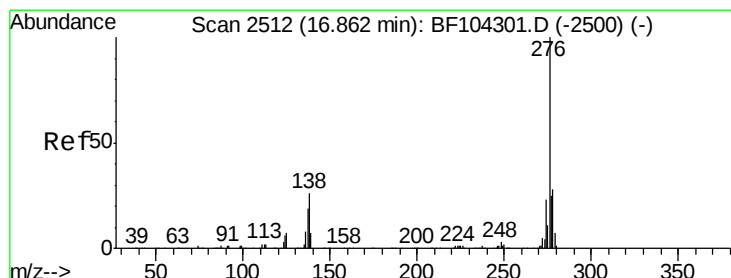
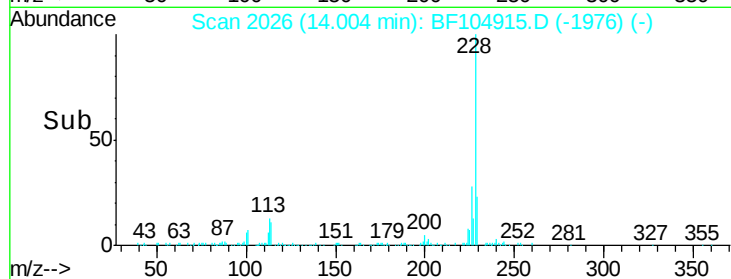
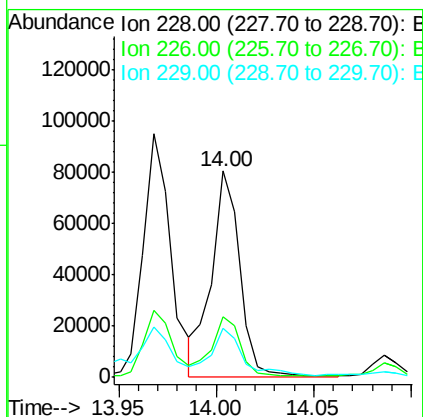
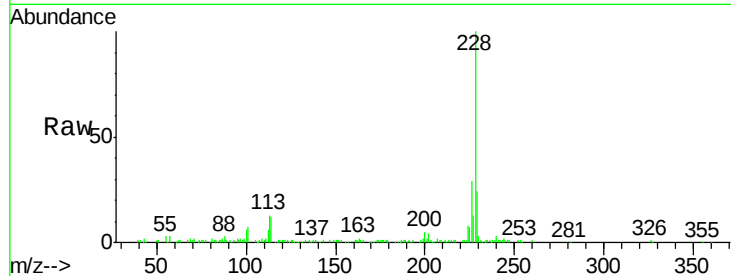
Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	20.6	15.8	23.6





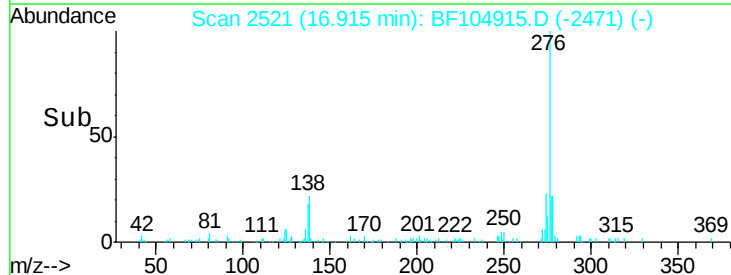
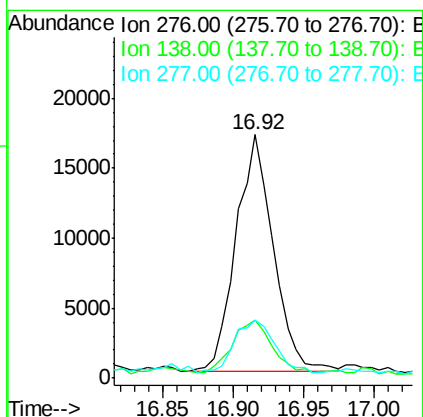
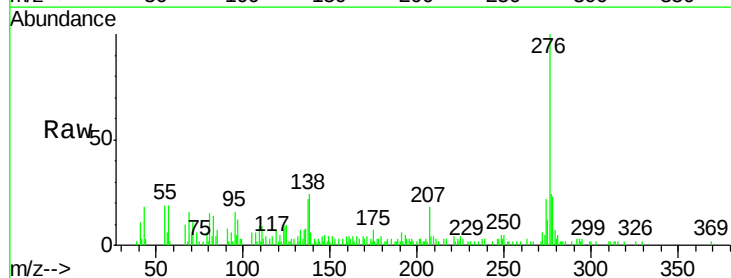
#82
Chrysene
Concen: 6.168 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

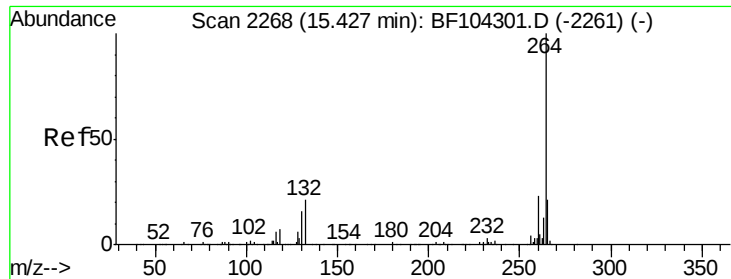
Tot Ion:228 Resp: 81078
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 23.6 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.806 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

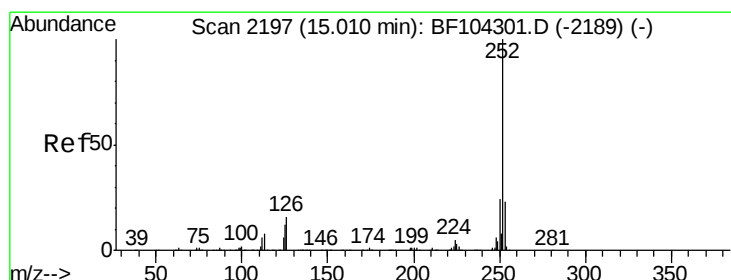
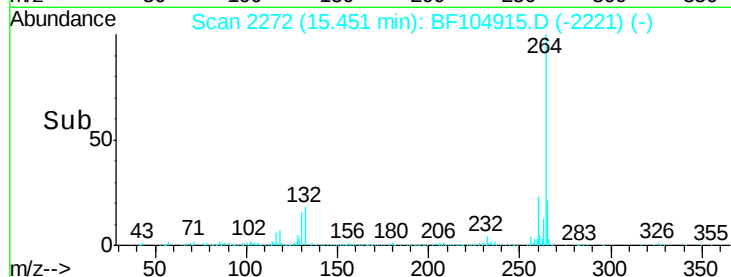
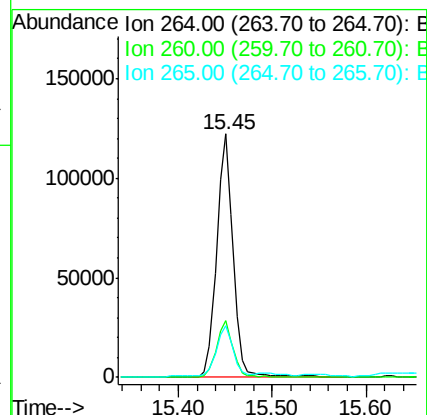
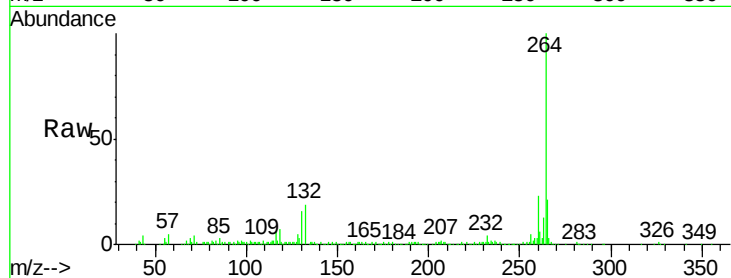
Tgt Ion:276 Resp: 31333
Ion Ratio Lower Upper
276 100
138 26.1 25.0 37.6
277 23.6 20.1 30.1





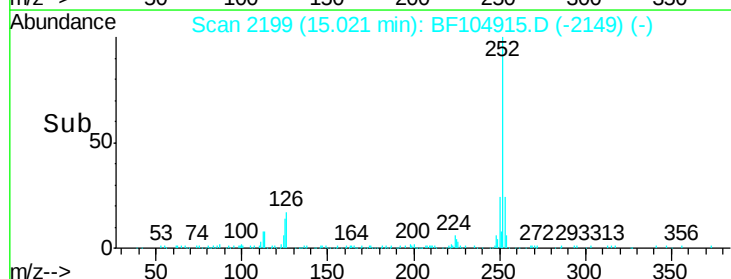
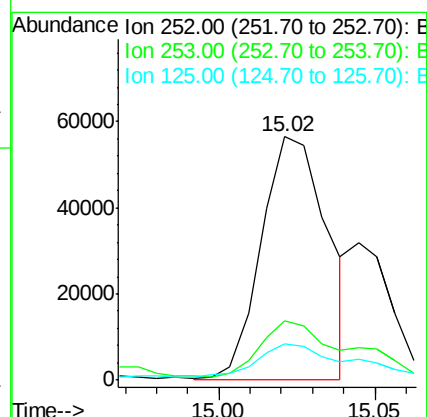
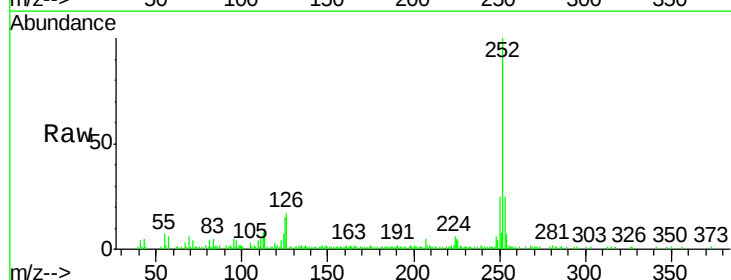
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

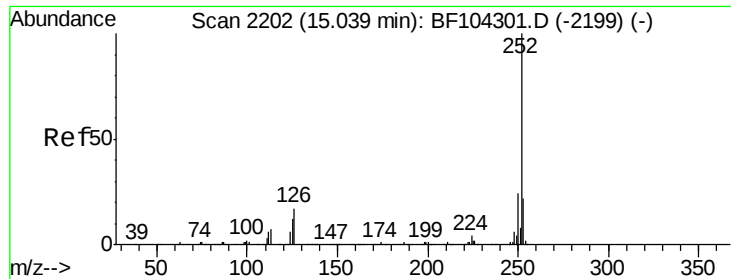
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 8.703 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104915.D
Acq: 28 Apr 2018 7:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	14.9	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 3.277 ng/mL

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

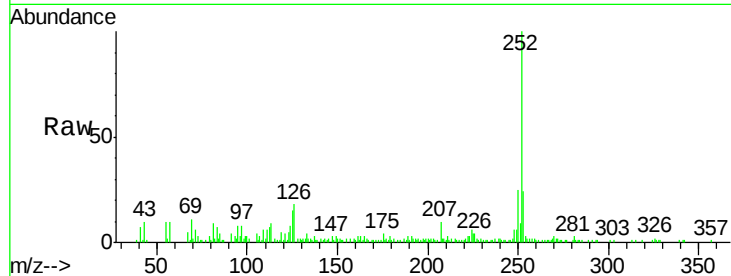
Tot Ion: 252 Resp: 29662

Ion Ratio Lower Upper

252 100

253 23.8 17.9 26.9

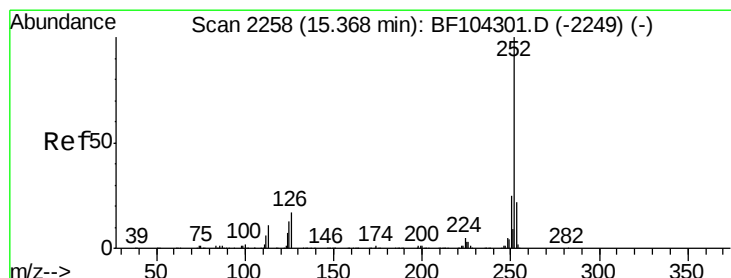
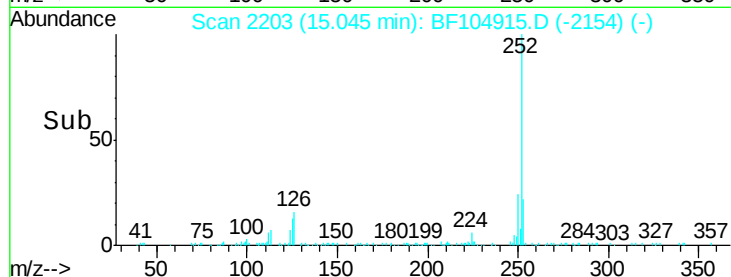
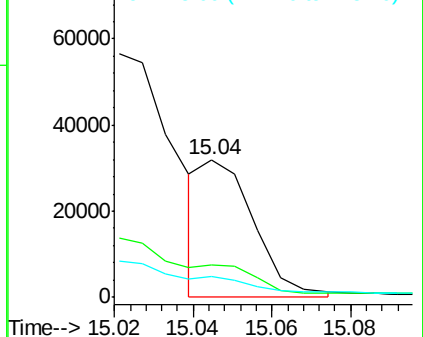
125 15.3 10.2 15.2



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: 6.787 ng/mL

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF104915.D

Acq: 28 Apr 2018 7:27

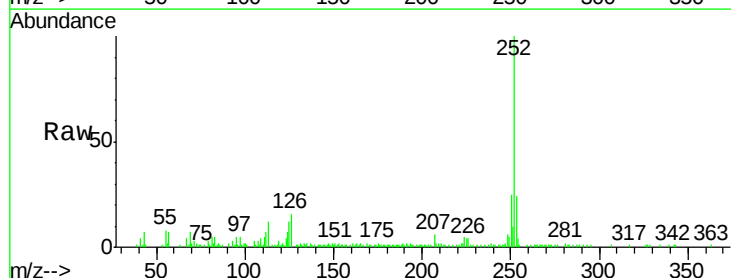
Tgt Ion: 252 Resp: 58214

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

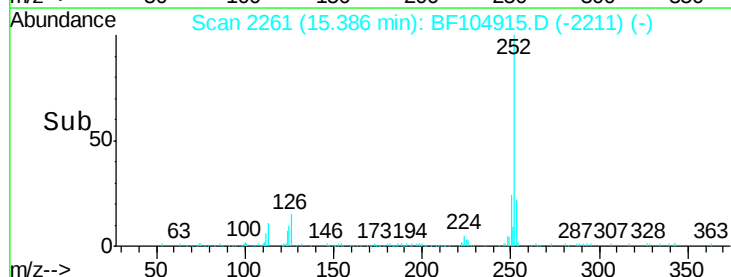
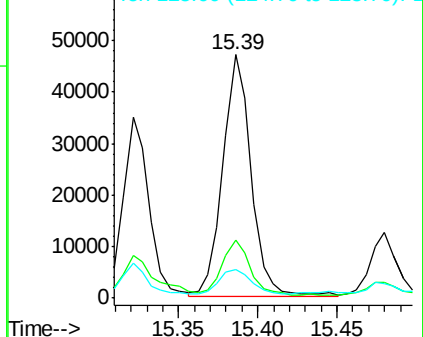
125 12.0 9.8 14.6

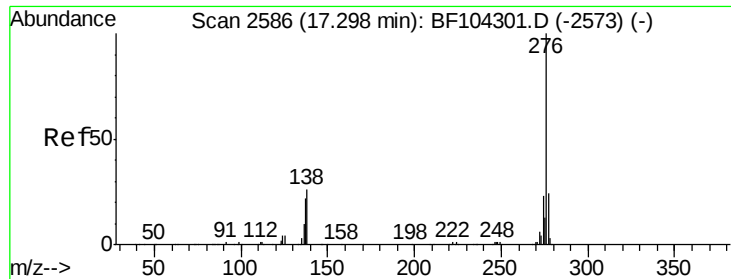


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 4.780 ng
 RT: 17.36 min Scan# 2597
 Delta R.T. 0.00 min
 Lab File: BF104915.D
 Acq: 28 Apr 2018 7:27

Tot Ion:276	Resp:	32626
Ion Ratio	Lower	Upper
276	100	
277	26.2	17.9 26.9
138	24.4	21.8 32.8

