

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104913.D
 Acq On : 28 Apr 2018 6:34
 Operator : JU/SJ
 Sample : J2565-07
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

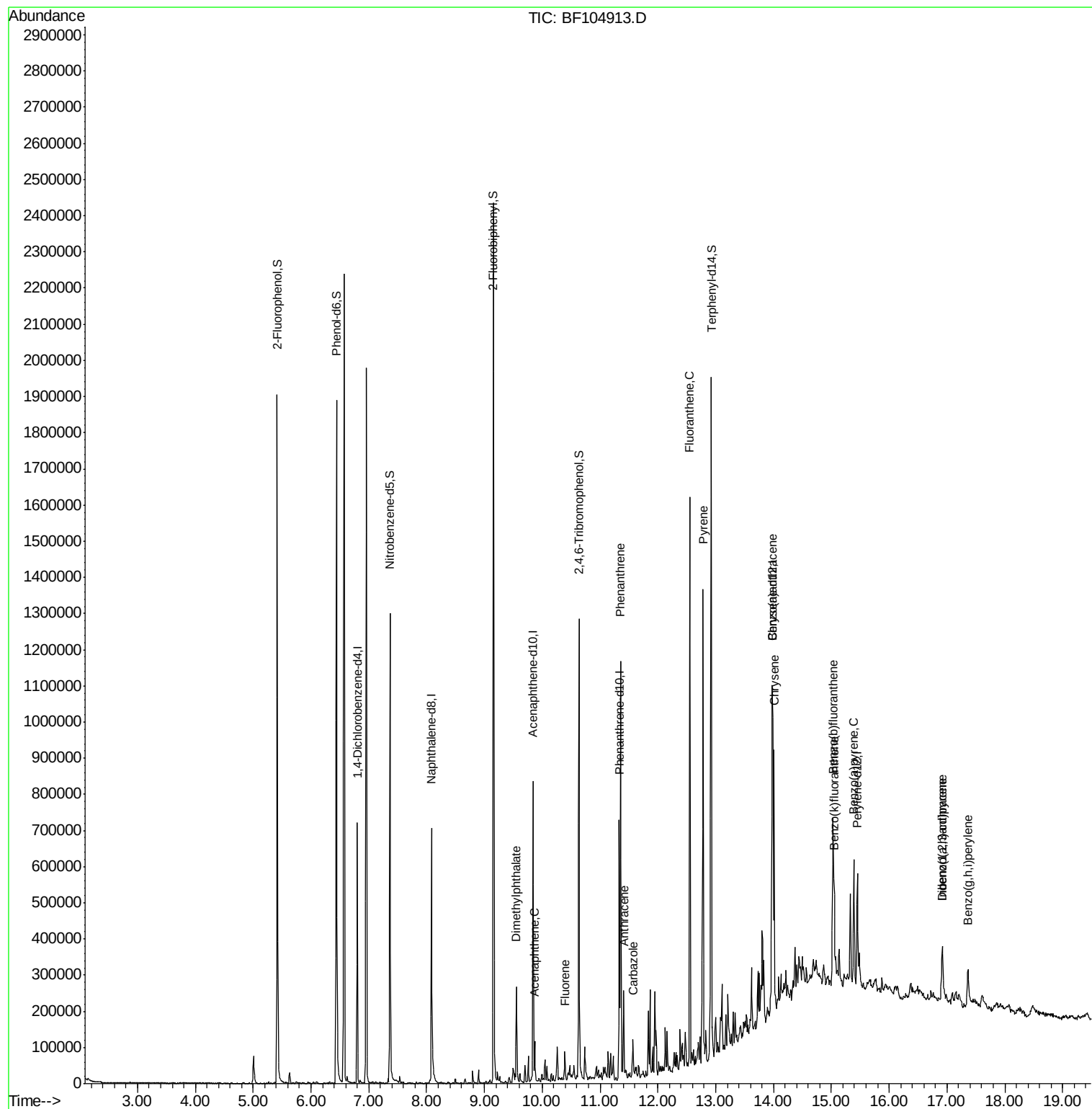
Quant Time: Apr 30 03:11:43 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

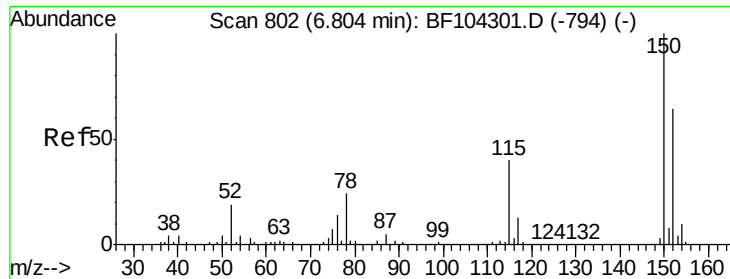
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	98544	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	389089	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	155396	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	253843	20.00	ng	0.00
75) Chrysene-d12	13.99	240	194173	20.00	ng	0.00
86) Perylene-d12	15.45	264	140784	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	634811	98.50	ng	0.00
7) Phenol-d6	6.45	99	760667	96.06	ng	0.00
23) Nitrobenzene-d5	7.37	82	455194	76.39	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	158977	98.62	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	779816	79.28	ng	0.00
78) Terphenyl-d14	12.92	244	621553	72.98	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	104343	8.515	ng	99
51) Acenaphthene	9.87	154	23832	2.414	ng	98
57) Fluorene	10.39	166	25321	2.529	ng	98
70) Phenanthrene	11.36	178	404921	28.644	ng	97
71) Anthracene	11.41	178	88896	6.186	ng	98
72) Carbazole	11.57	167	41291	2.941	ng	98
74) Fluoranthene	12.55	202	609569	41.271	ng	98
77) Pyrene	12.78	202	555270	38.580	ng	99
80) Benzo(a)anthracene	13.97	228	270717	23.337	ng	97
82) Chrysene	14.01	228	267405m	22.443	ng	
85) Indeno(1,2,3-cd)pyrene	16.92	276	90283	8.920	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	261105m	29.365	ng	
88) Benzo(k)fluoranthene	15.05	252	77771m	9.264	ng	
89) Benzo(a)pyrene	15.39	252	162573	20.434	ng	98
90) Dibenzo(a,h)anthracene	16.92	278	25222	3.860	ng	# 89
91) Benzo(g,h,i)perylene	17.36	276	87567	13.833	ng	93

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

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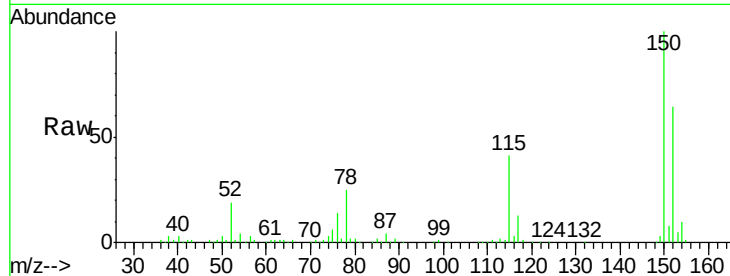
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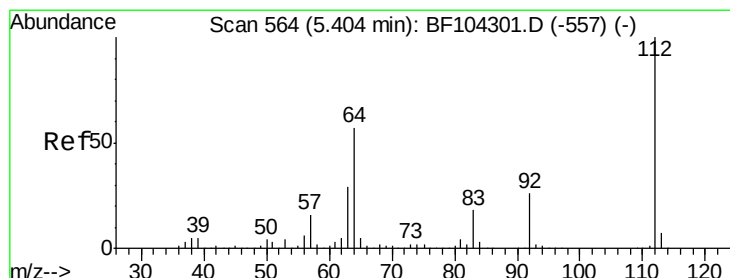
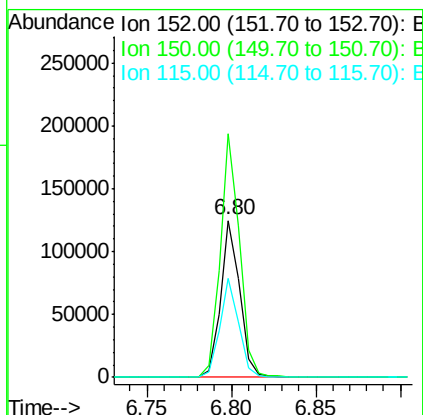
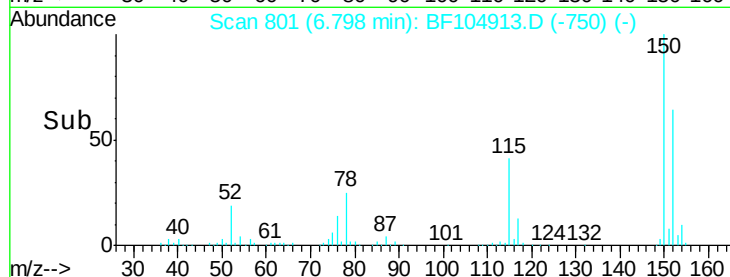


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

Tot Ion:152 Resp: 98544
 Ion Ratio Lower Upper
 152 100
 150 155.1 124.6 186.8
 115 63.0 50.1 75.1

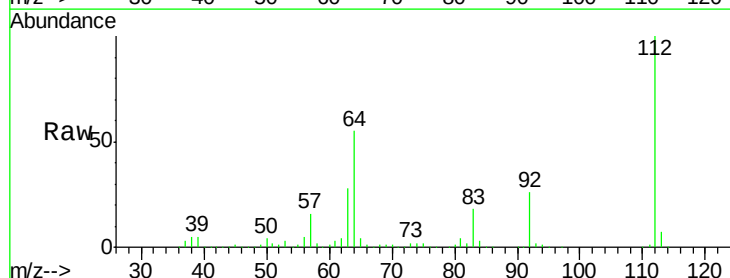


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

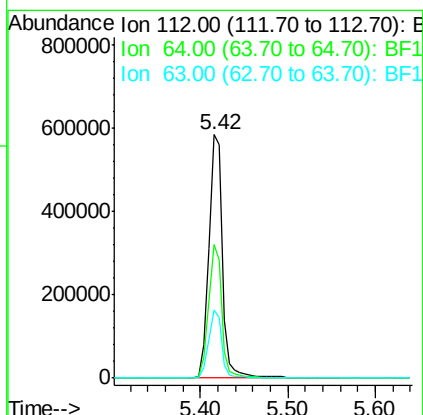
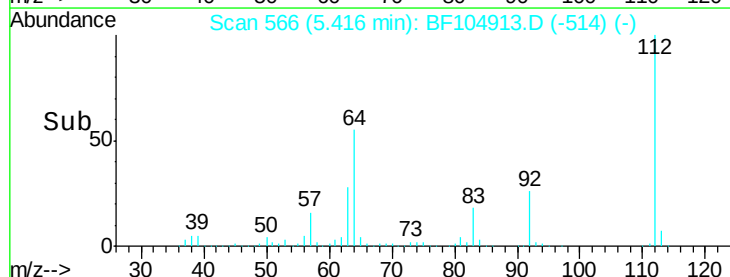


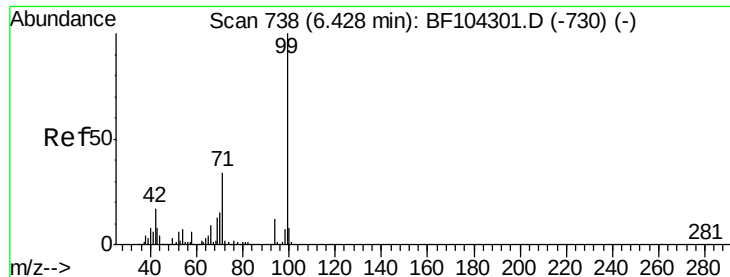
#5
 2-Fluorophenol
 Concen: 98.500 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

Tgt Ion:112 Resp: 634811
 Ion Ratio Lower Upper
 112 100
 64 54.7 47.9 71.9
 63 27.8 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: 96.062 ng

RT: 6.45 min Scan# 741

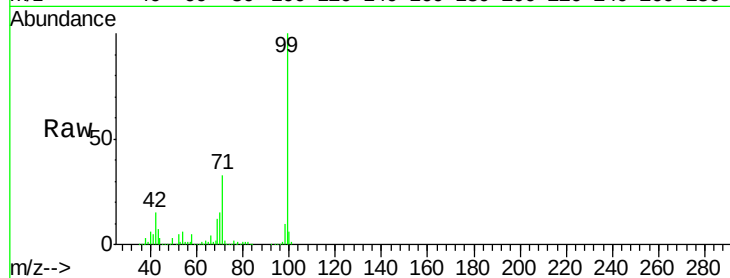
Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

Tot Ion: 99 Resp: 760667

Ion	Ratio	Lower	Upper
99	100		
42	14.9	14.5	21.7
71	33.1	25.4	38.0

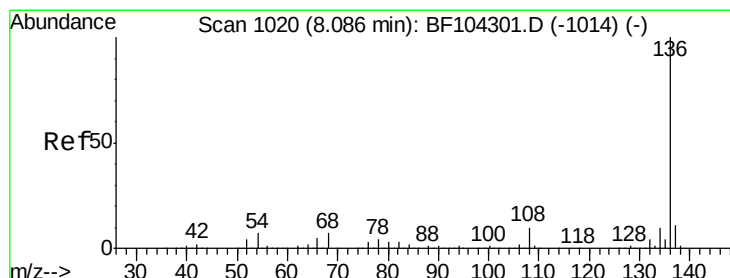
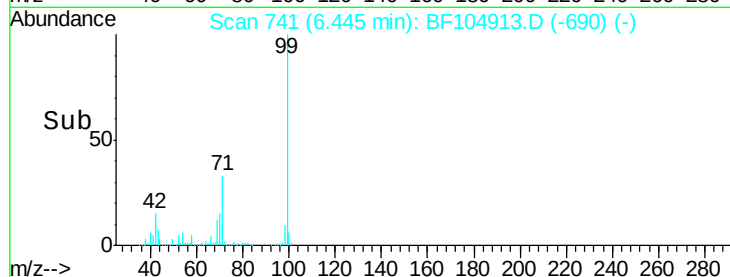
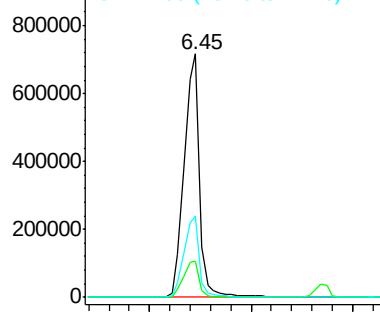


Abundance

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: 8.09 min Scan# 1020

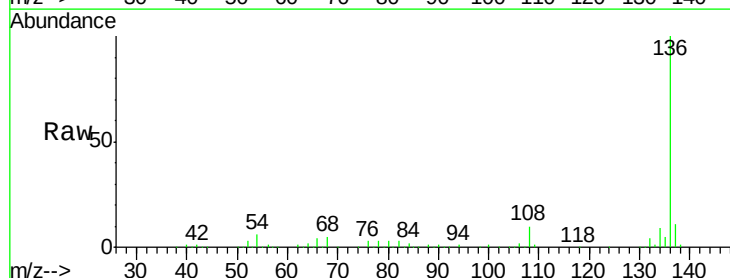
Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

Tgt Ion: 136 Resp: 389089

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	5.7	6.6	9.8#
68	4.8	5.0	7.4#



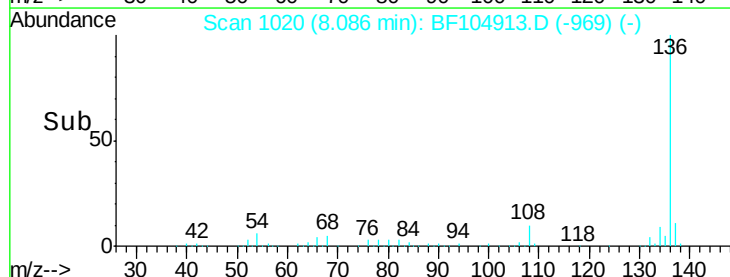
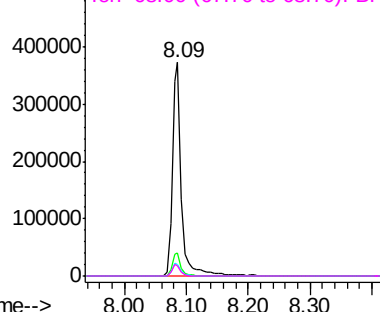
Abundance

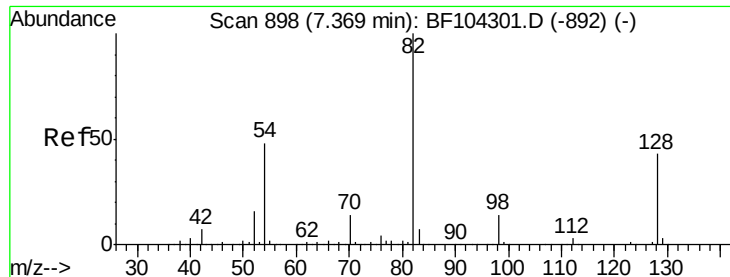
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

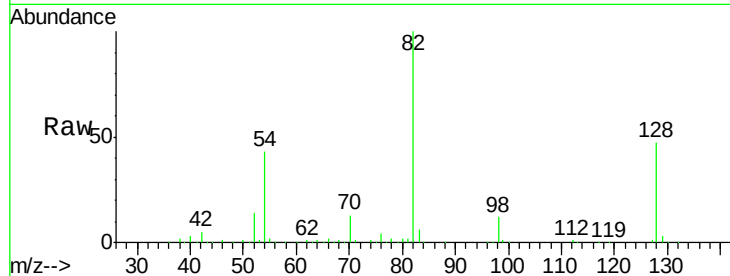
Ion 68.00 (67.70 to 68.70): BF1



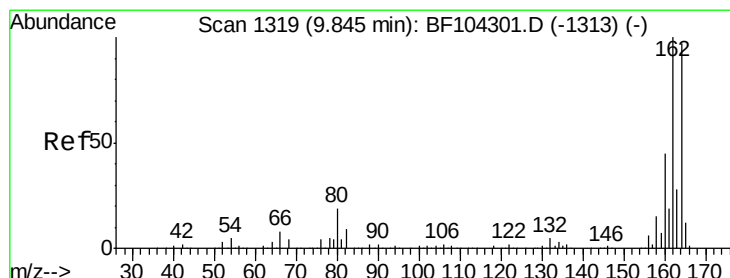
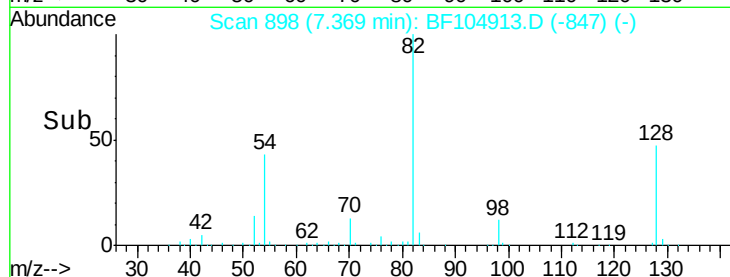
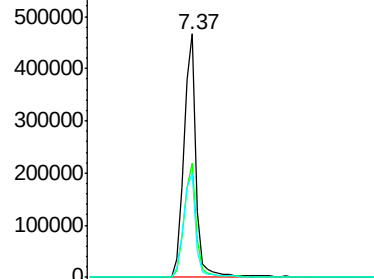


#23
 Nitrobenzene-d5
 Concen: 76.392 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

Tot Ion	82	Resp	455194
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	42.6	41.4	62.2

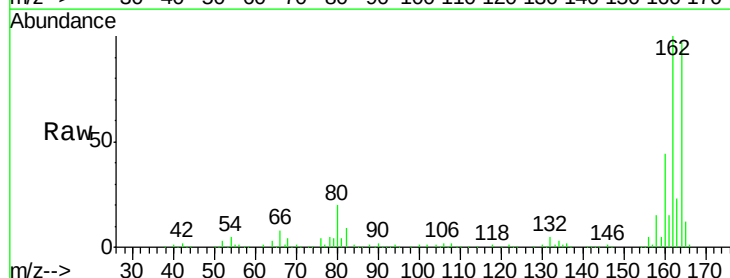


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

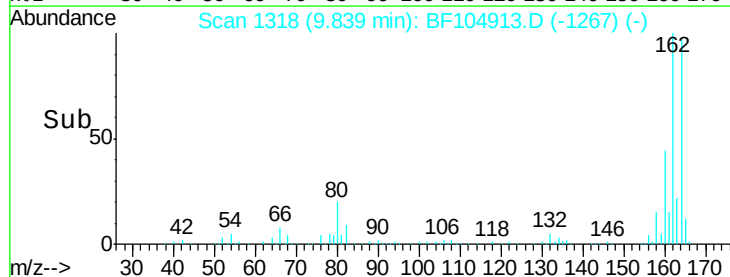
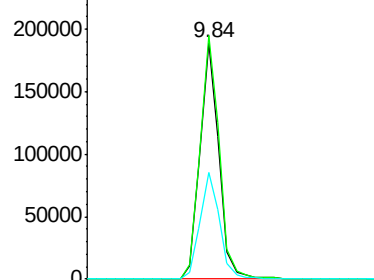


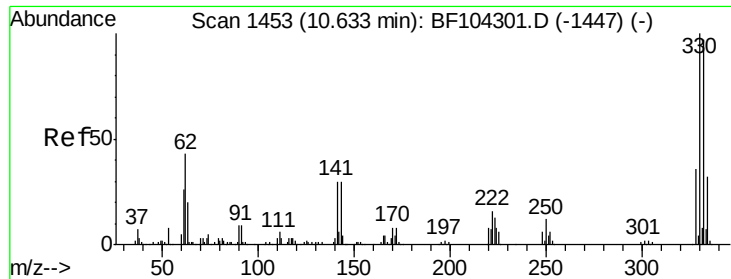
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

Tgt Ion	164	Resp	155396
Ion Ratio	100		
Lower	86.1		
Upper	129.1		
162	103.2	38.3	57.5
160	45.3		



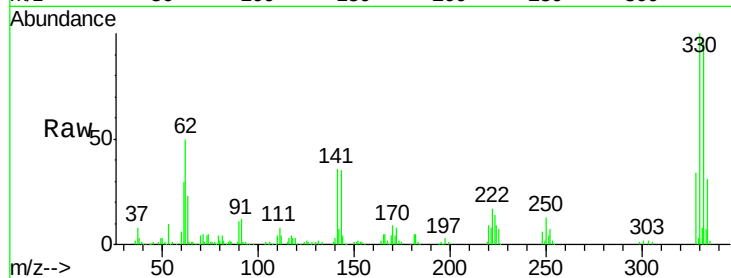
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



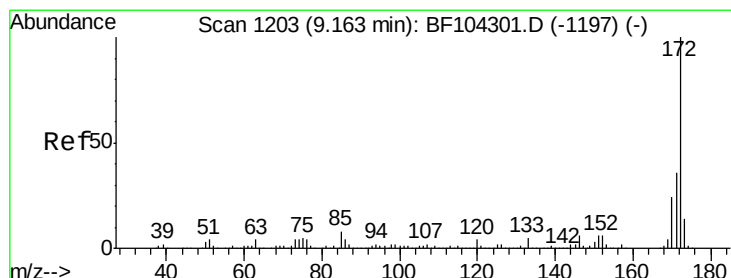
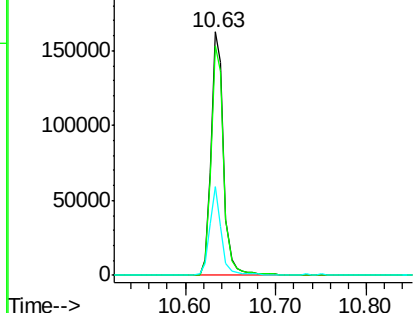
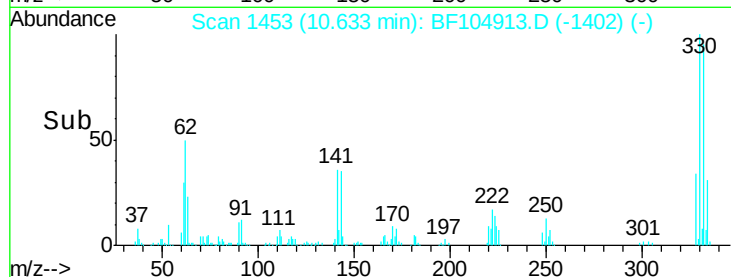


#41
 2,4,6-Tribromophenol
 Concen: 98.623 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	34.4	29.9	44.9

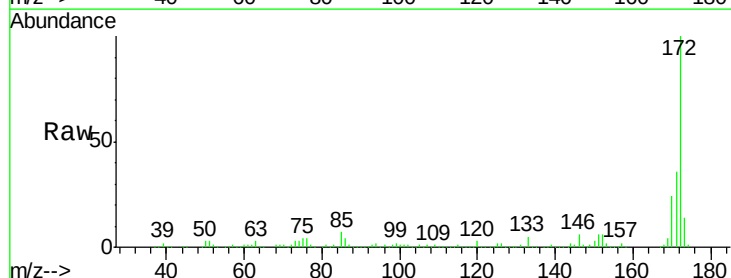


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

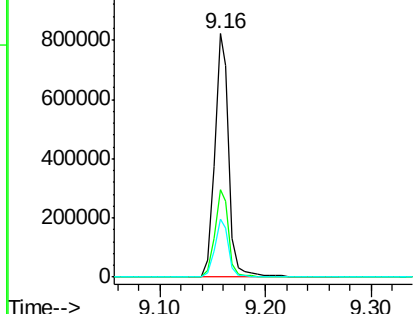
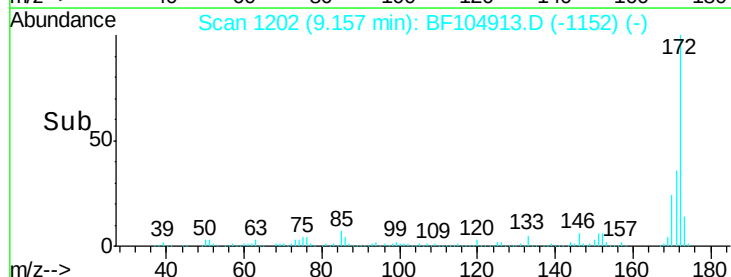


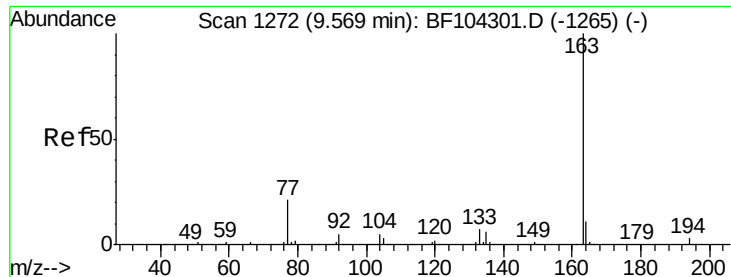
#44
 2-Fluorobiphenyl
 Concen: 79.276 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.1	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





#49

Dimethylphthalate

Concen: 8.515 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

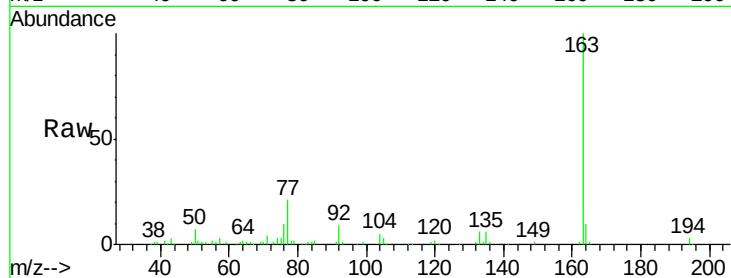
Tot Ion:163 Resp: 104343

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

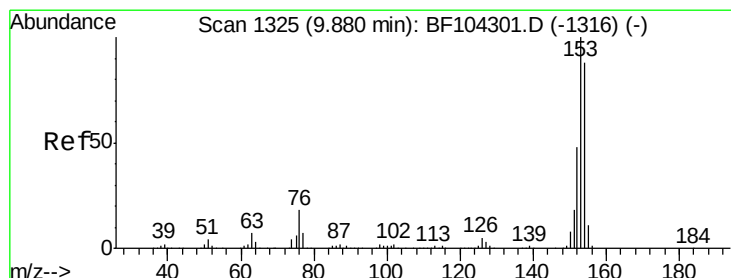
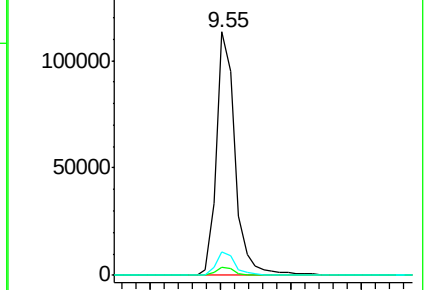
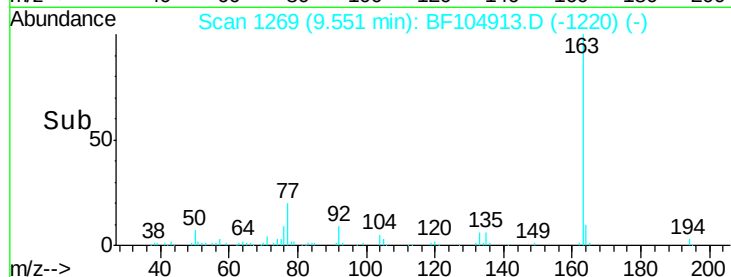
164 9.8 8.2 12.2



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



#51

Acenaphthene

Concen: 2.414 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

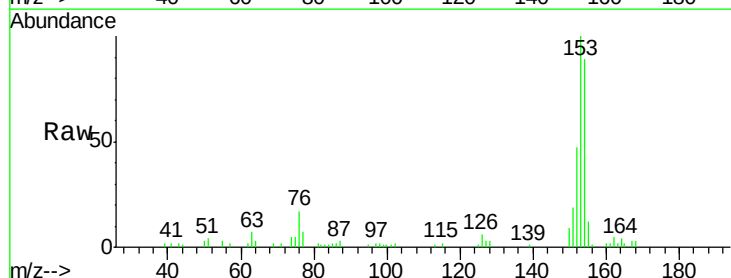
Tgt Ion:154 Resp: 23832

Ion Ratio Lower Upper

154 100

153 112.9 91.2 136.8

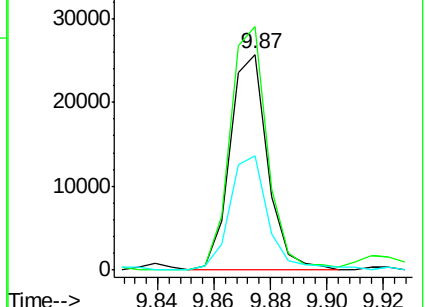
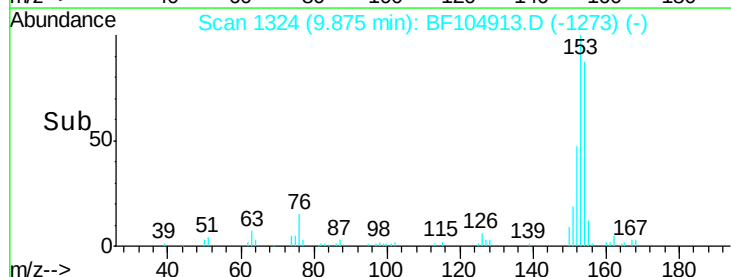
152 52.7 43.8 65.8

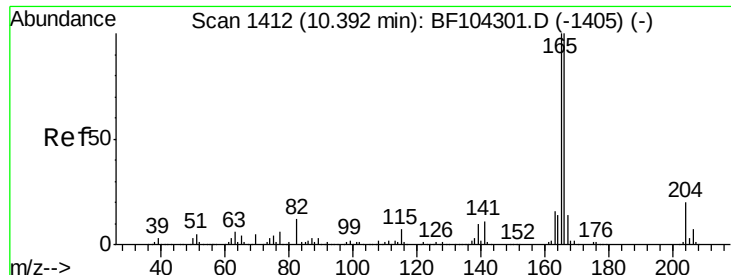


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

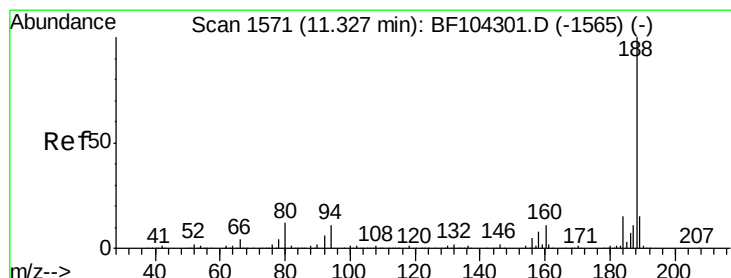
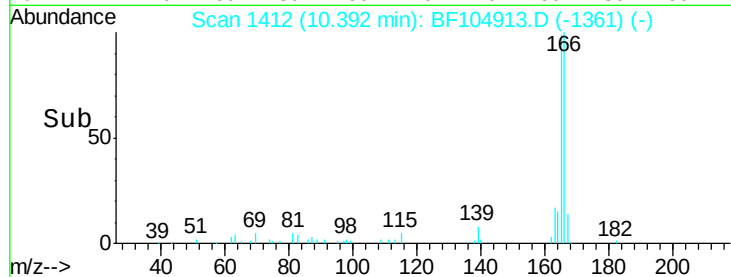
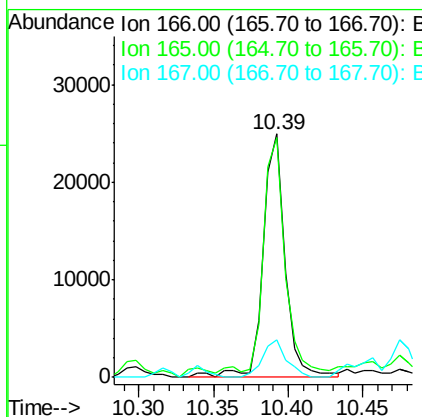
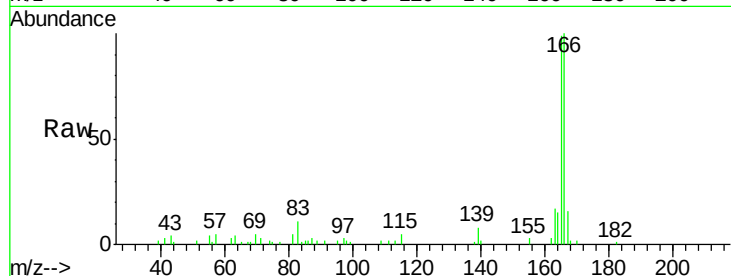
Ion 152.00 (151.70 to 152.70): E





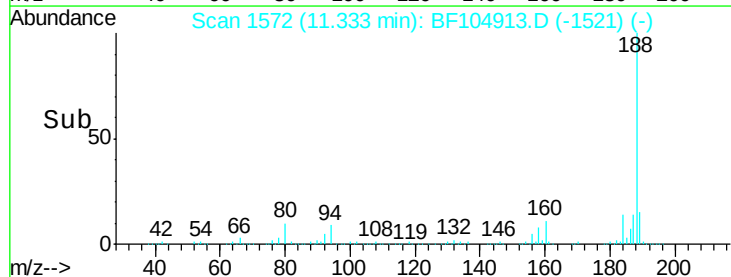
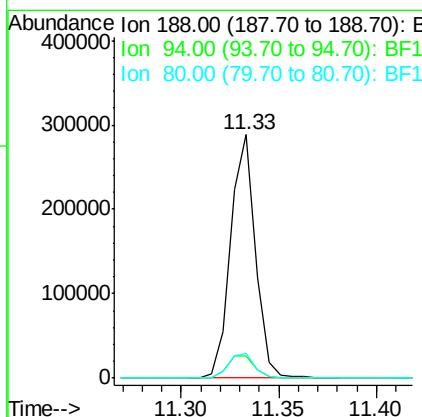
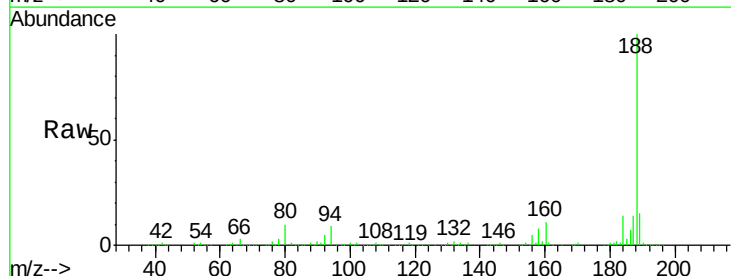
#57
Fluorene
 Concen: 2.529 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. 0.00 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

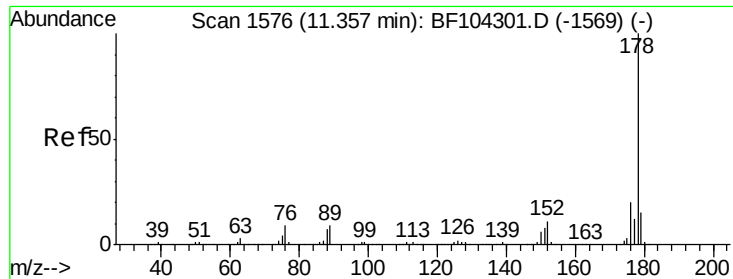
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.8	119.8
167	15.6	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF104913.D
 Acq: 28 Apr 2018 6:34

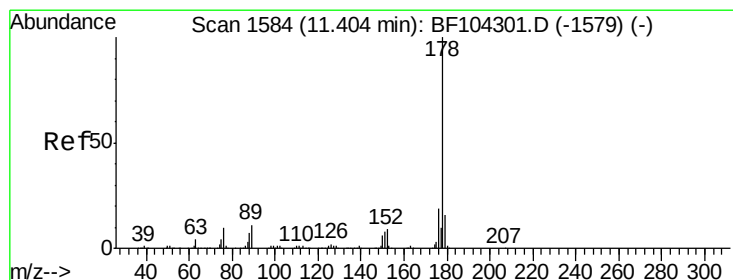
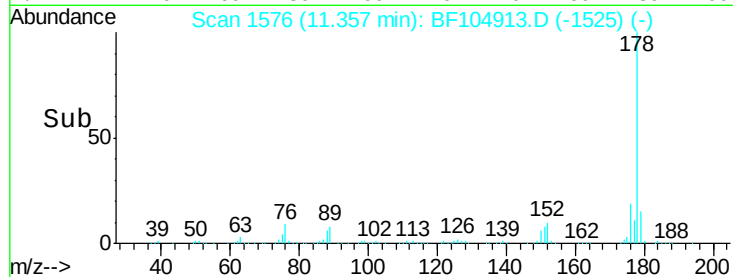
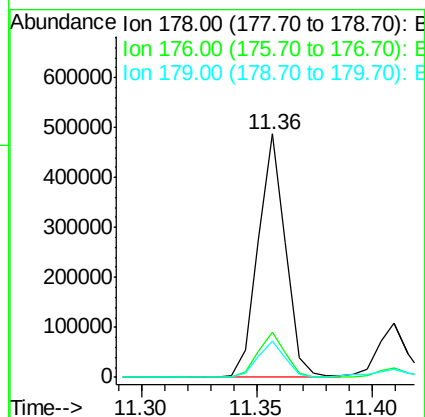
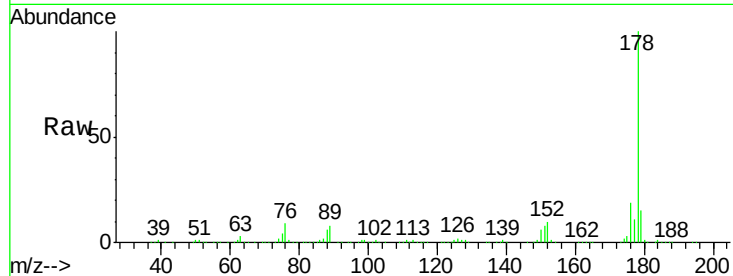
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.0	9.2	13.8





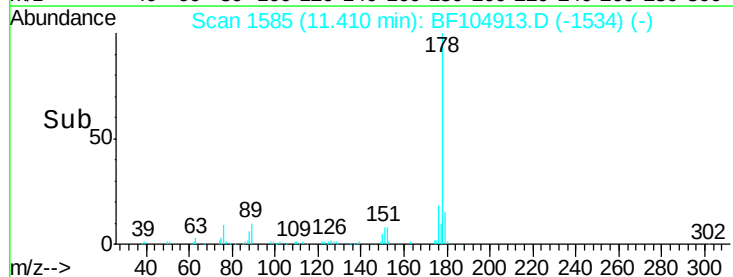
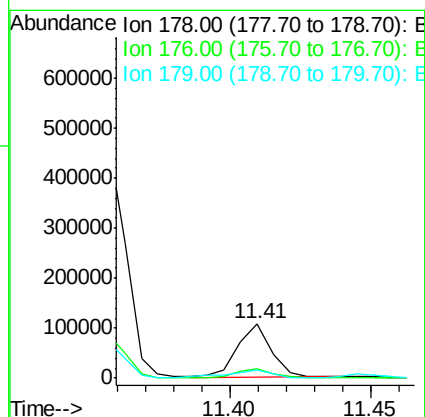
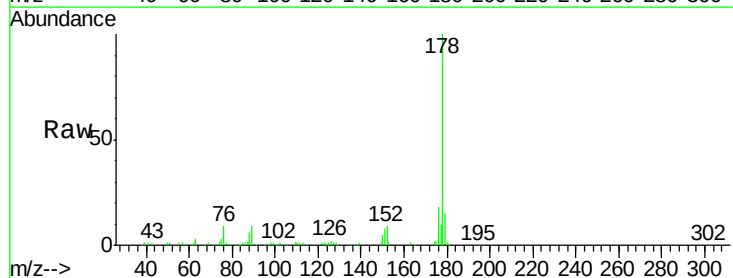
#70
Phenanthrene
Concen: 28.644 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF104913.D
Acq: 28 Apr 2018 6:34

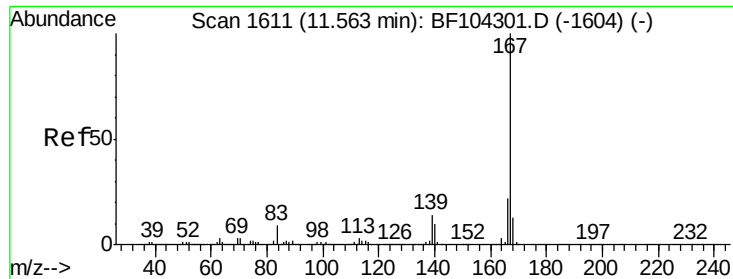
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.9	13.0	19.6



#71
Anthracene
Concen: 6.186 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF104913.D
Acq: 28 Apr 2018 6:34

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.4	12.6	19.0





#72

Carbazole

Concen: 2.941 ng

RT: 11.57 min Scan# 1612

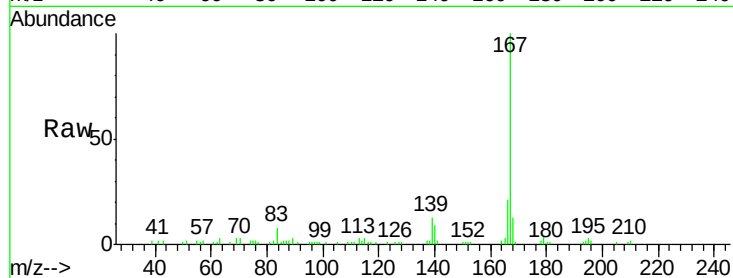
Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

Tot Ion:167 Resp: 41291

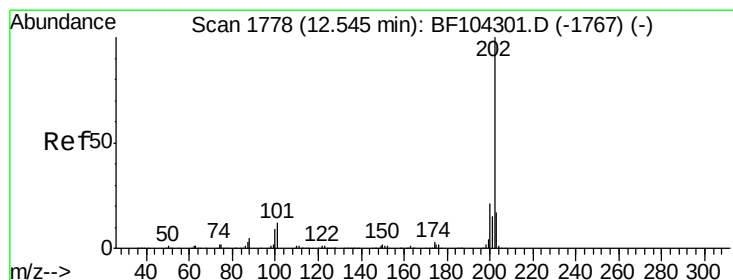
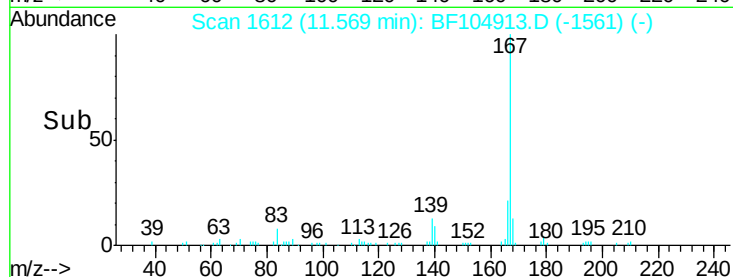
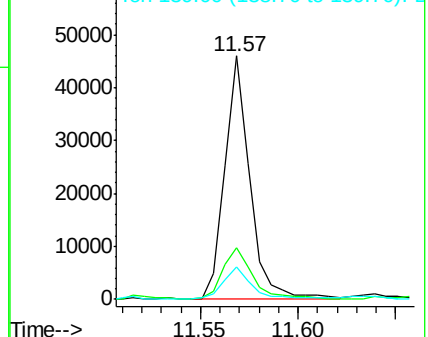
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.1	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 41.271 ng

RT: 12.55 min Scan# 1779

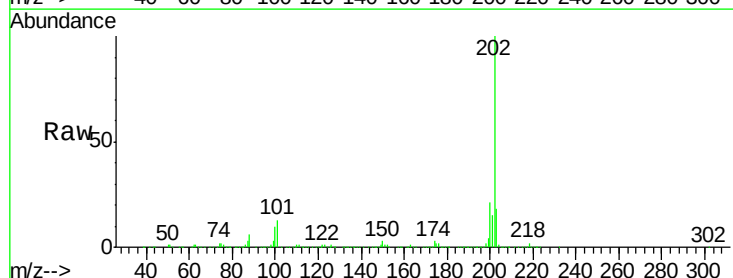
Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

Tgt Ion:202 Resp: 609569

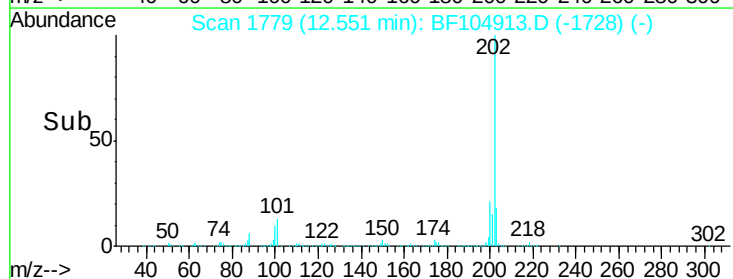
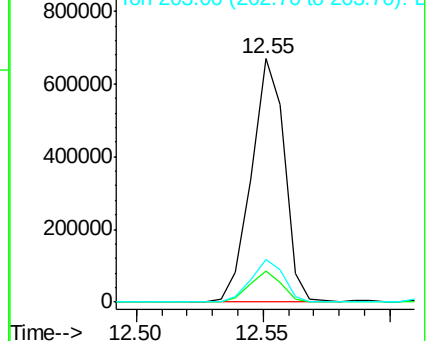
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.6	0.0	38.1

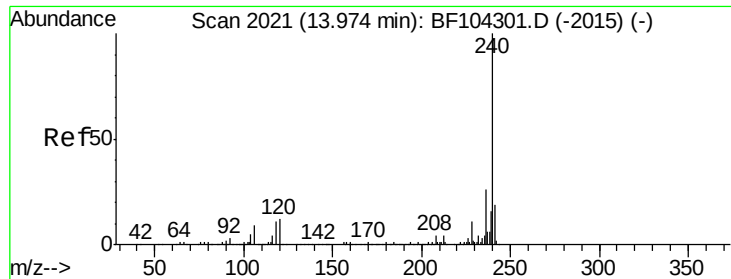


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

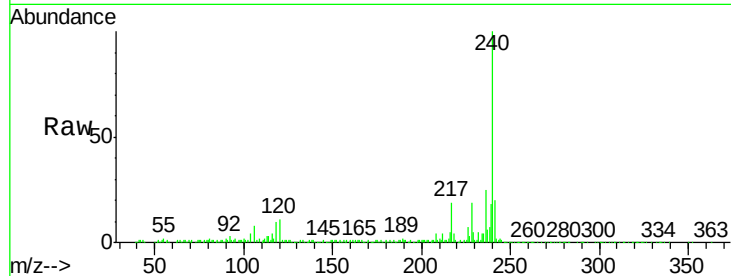
Tot Ion:240 Resp: 194173

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

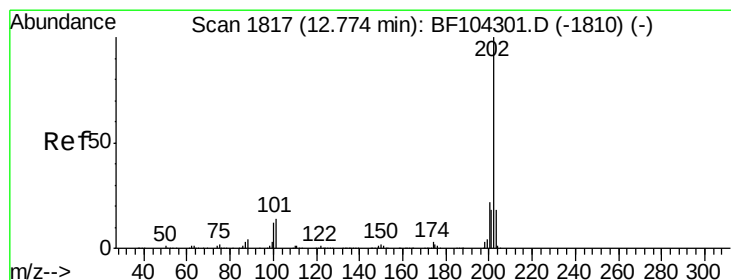
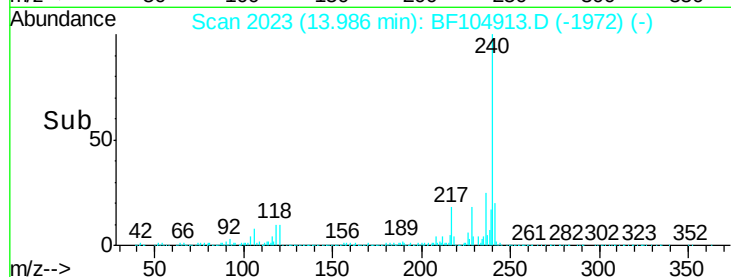
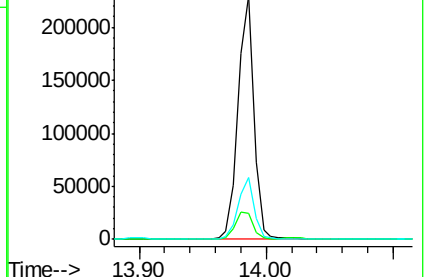
236 25.4 20.7 31.1



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: 38.580 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

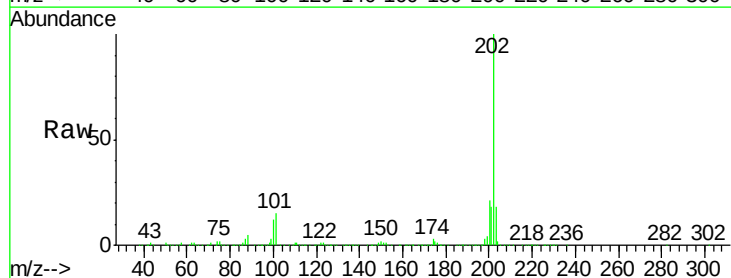
Tgt Ion:202 Resp: 555270

Ion Ratio Lower Upper

202 100

200 21.3 17.4 26.2

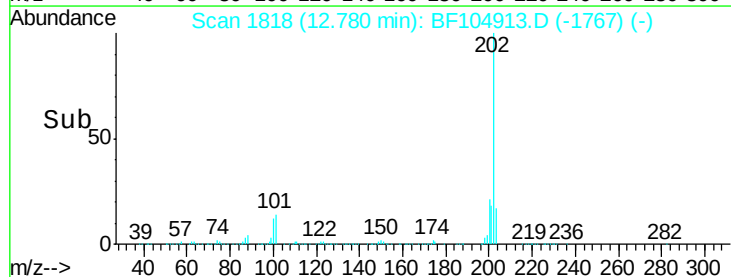
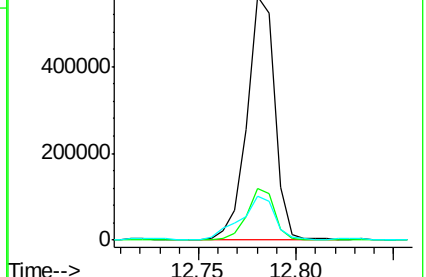
203 17.9 14.3 21.5

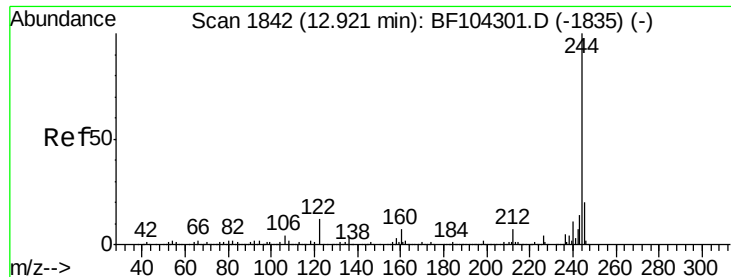


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.978 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

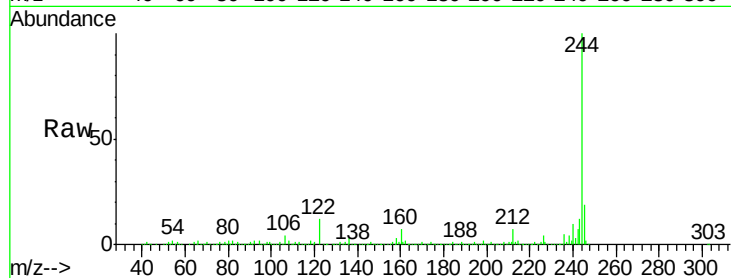
Tot Ion:244 Resp: 621553

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

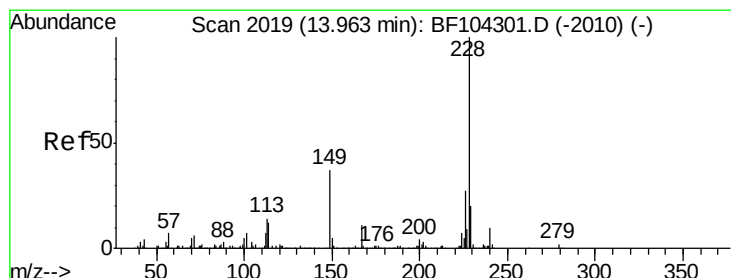
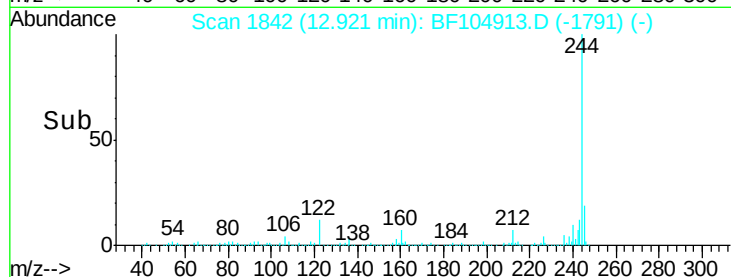
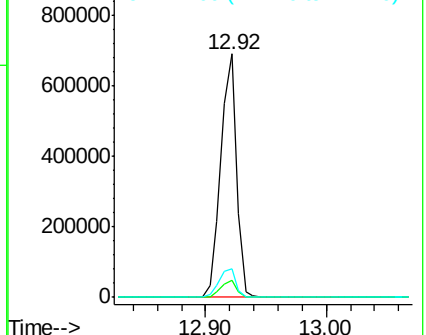
122 11.6 11.0 16.4



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: 23.337 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

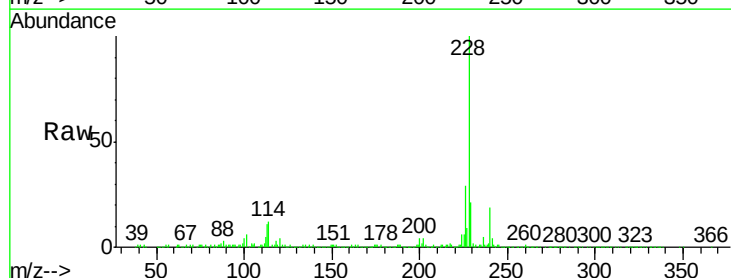
Tgt Ion:228 Resp: 270717

Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

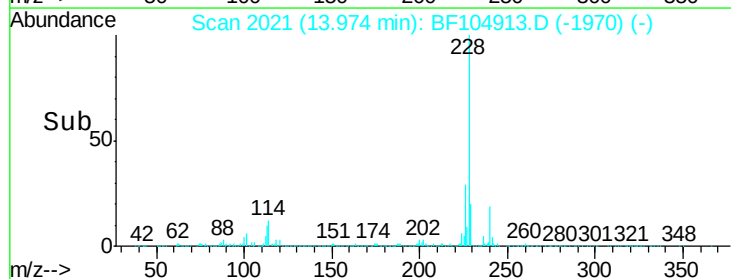
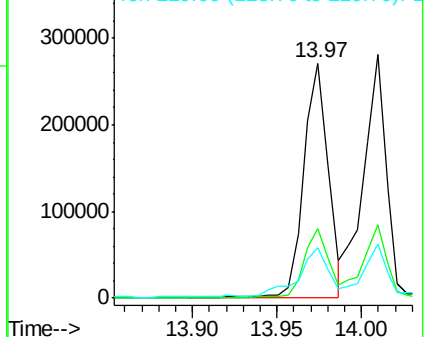
229 21.2 15.8 23.6

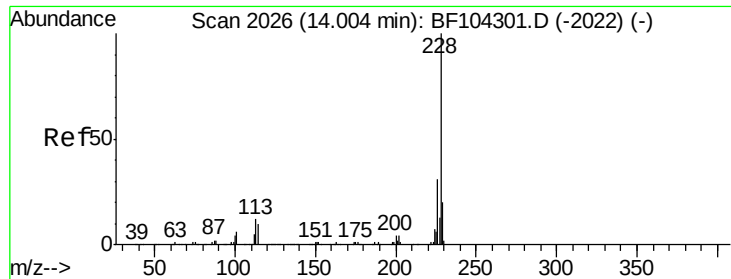


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

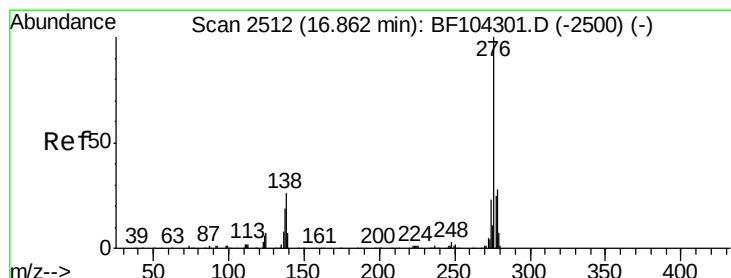
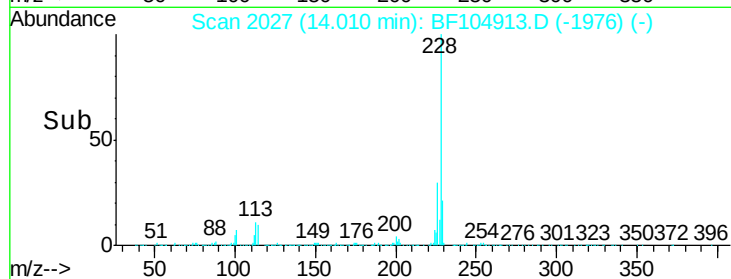
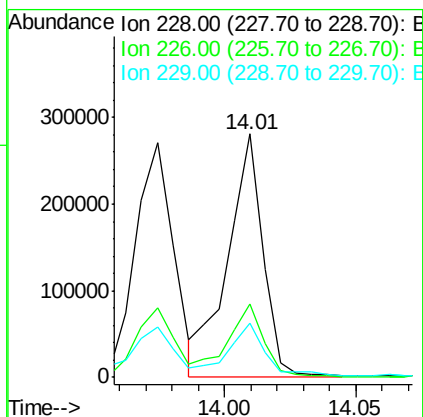
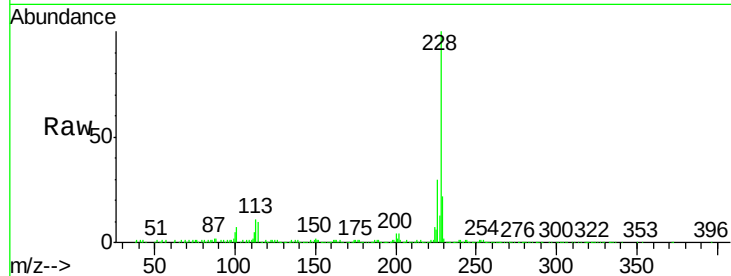
Ion 229.00 (228.70 to 229.70): E





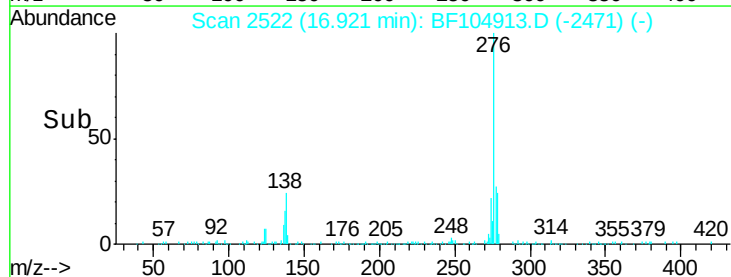
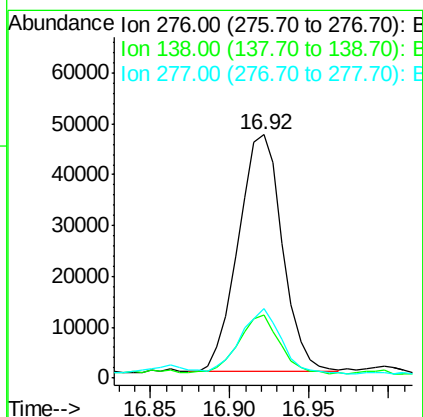
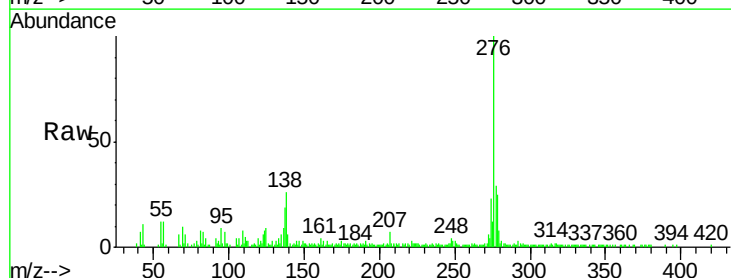
#82
Chrysene
Concen: 22.443 ng m
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF104913.D
Acq: 28 Apr 2018 6:34

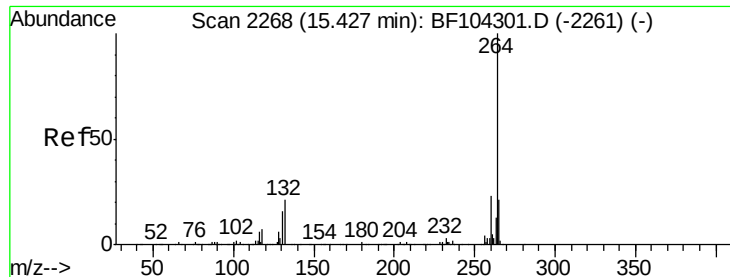
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.1	16.2	24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 8.920 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BF104913.D
Acq: 28 Apr 2018 6:34

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	25.0	37.6#
277	26.1	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: BF104913.D

Acq: 28 Apr 2018 6:34

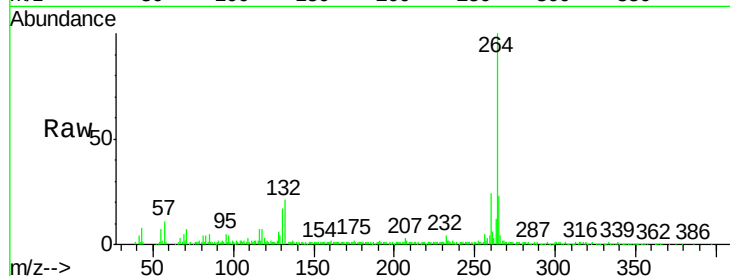
Tot Ion:264 Resp: 140784

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

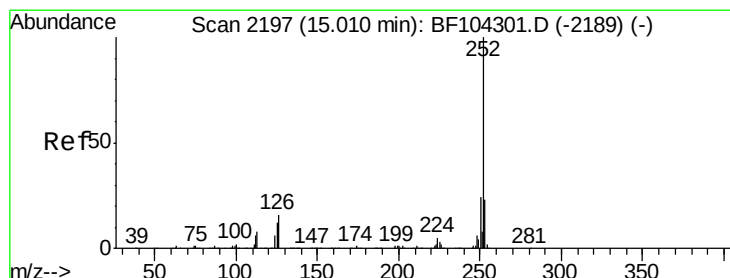
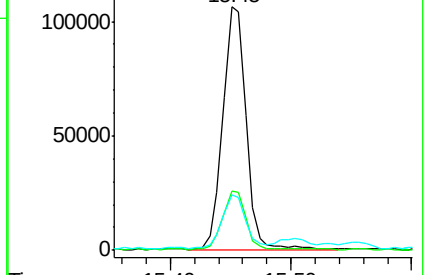
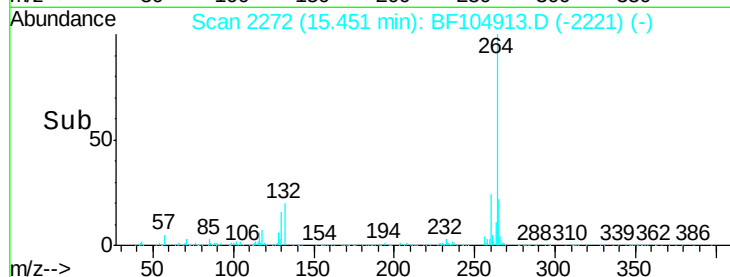
265 22.6 17.5 26.3



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: 29.365 ng m

RT: 15.03 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

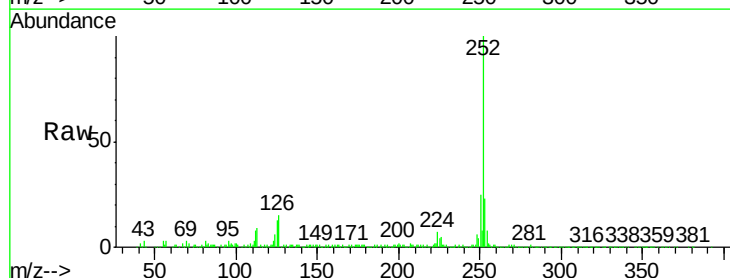
Tgt Ion:252 Resp: 261105

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

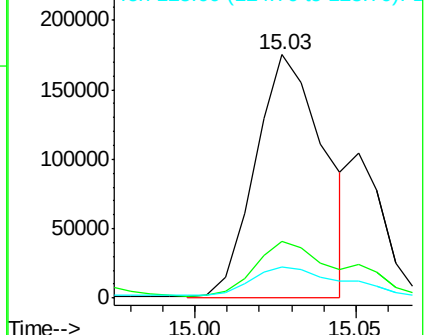
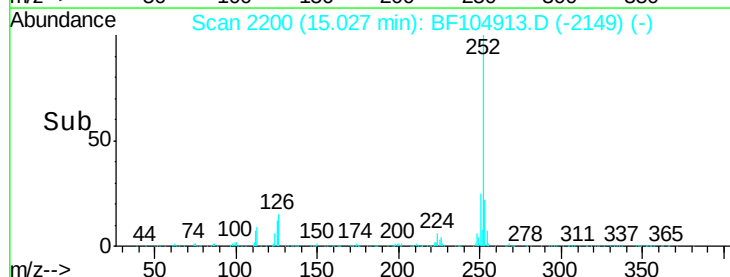
125 13.0 9.0 13.6

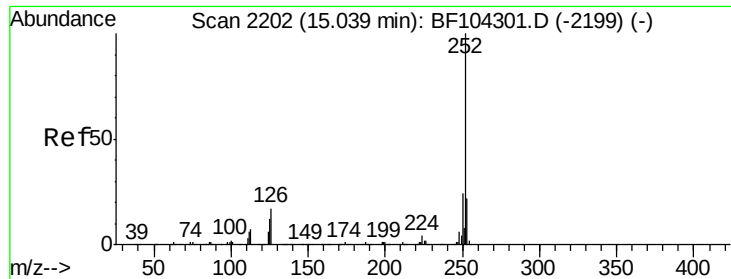


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 9.264 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

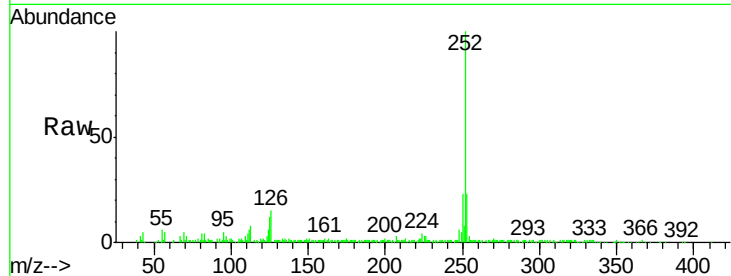
Tot Ion:252 Resp: 77771

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

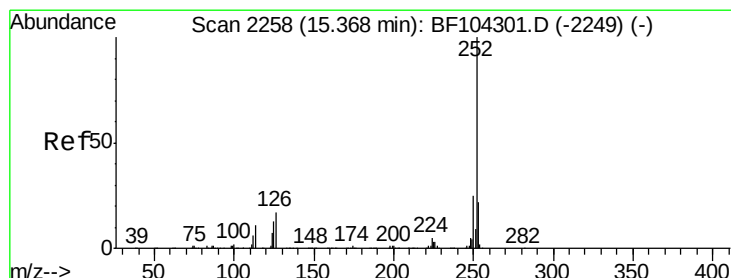
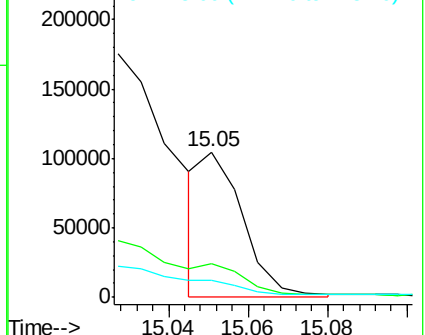
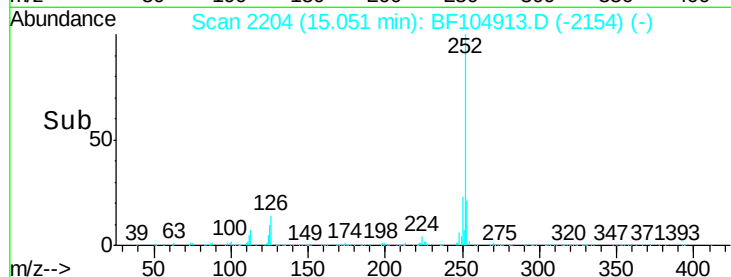
125 12.1 10.2 15.2



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: 20.434 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.00 min

Lab File: BF104913.D

Acq: 28 Apr 2018 6:34

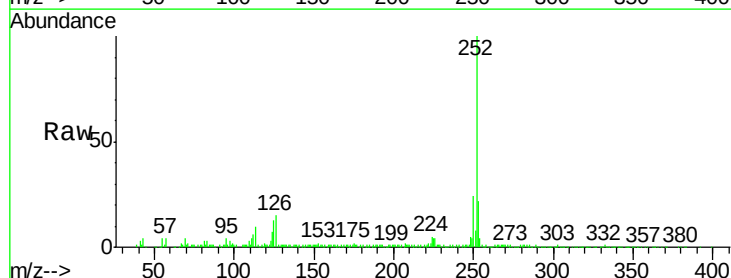
Tgt Ion:252 Resp: 162573

Ion Ratio Lower Upper

252 100

253 22.5 17.1 25.7

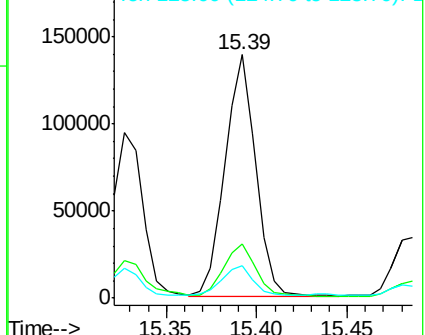
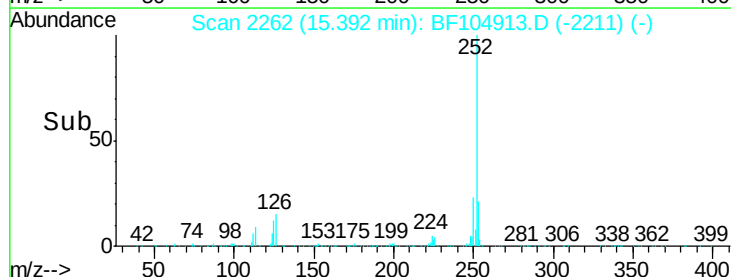
125 13.1 9.8 14.6

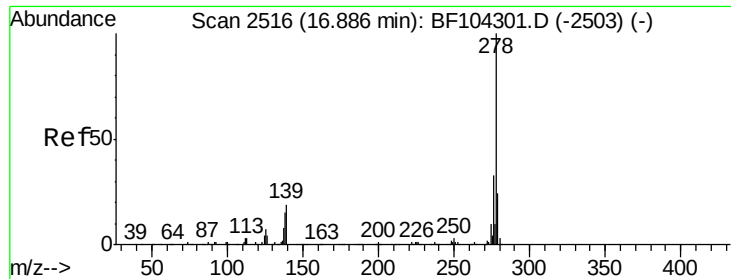


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

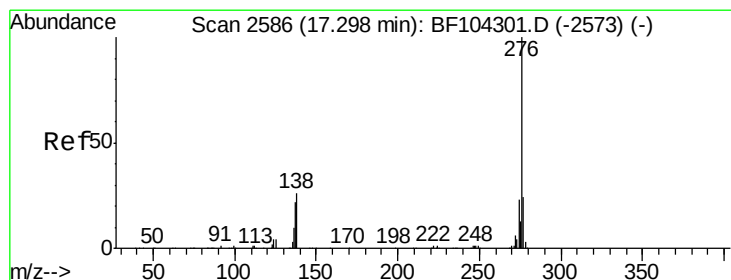
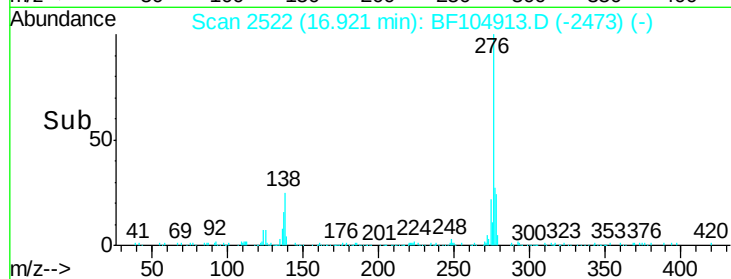
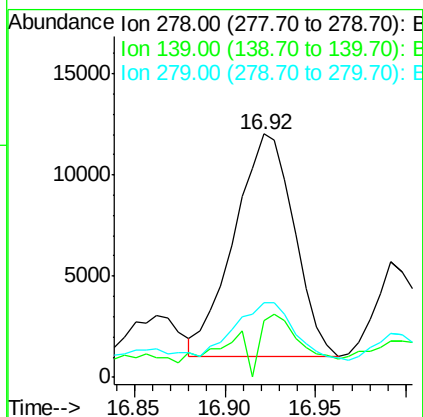
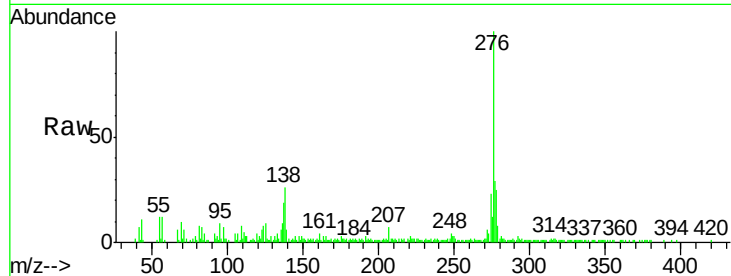
Ion 125.00 (124.70 to 125.70): E





#90
Dibenzo(a,h)anthracene
Concen: 3.860 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.01 min
Lab File: BF104913.D
Acq: 28 Apr 2018 6:34

Tot Ion:278 Resp: 25222
Ion Ratio Lower Upper
278 100
139 23.2 15.9 23.9
279 30.9 19.0 28.4#



#91
Benzo(g,h,i)perylene
Concen: 13.833 ng
RT: 17.36 min Scan# 2597
Delta R.T. 0.00 min
Lab File: BF104913.D
Acq: 28 Apr 2018 6:34

Tgt Ion:276 Resp: 87567
Ion Ratio Lower Upper
276 100
277 25.0 17.9 26.9
138 23.2 21.8 32.8

