

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104920.D
 Acq On : 28 Apr 2018 9:39
 Operator : JU/SJ
 Sample : J2565-05
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

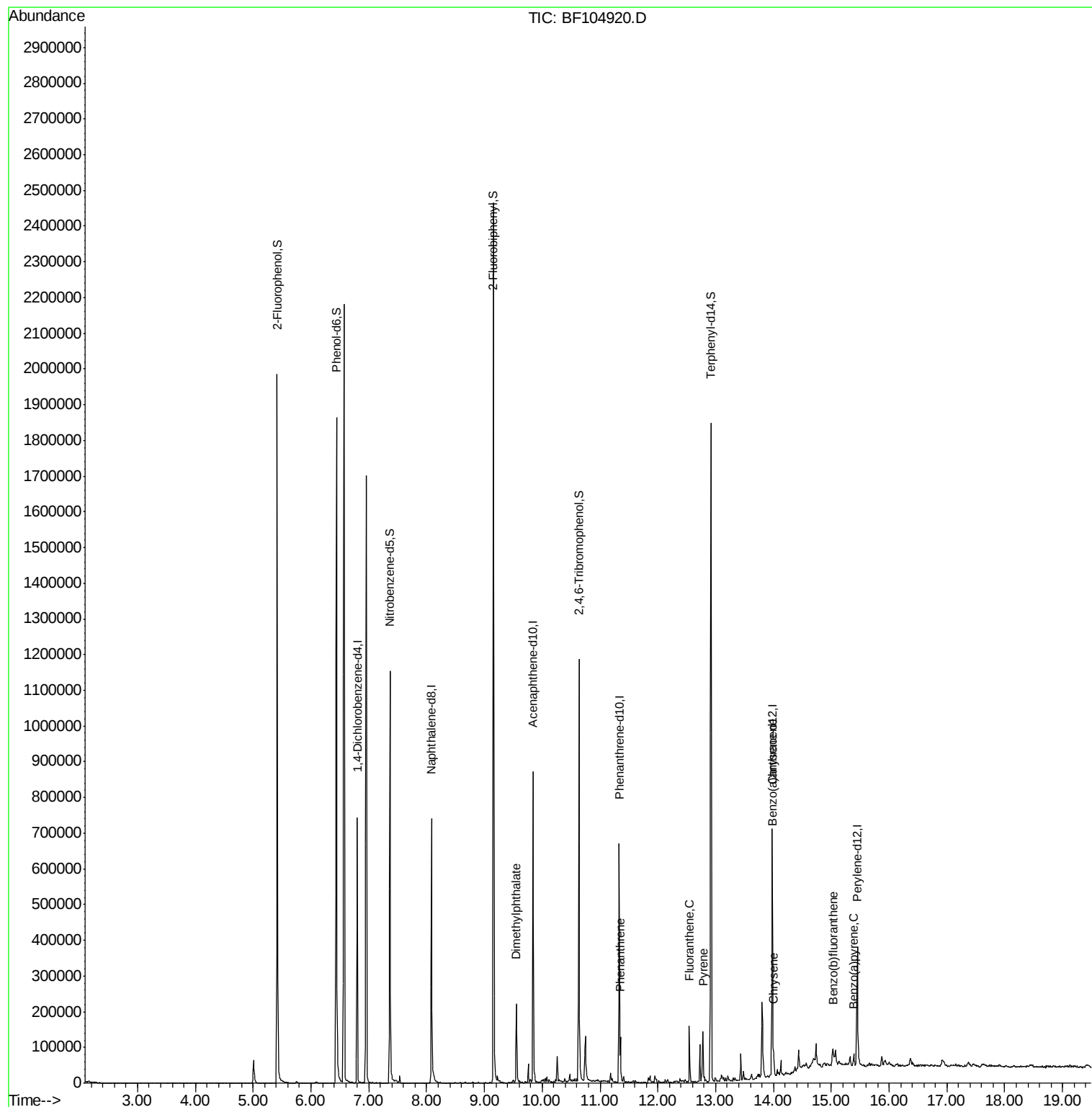
Quant Time: Apr 30 03:51:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	101554	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	402795	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	165548	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	263250	20.00	ng	0.00
75) Chrysene-d12	13.98	240	218673	20.00	ng	0.00
86) Perylene-d12	15.45	264	148482	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	627213	94.44	ng	0.00
7) Phenol-d6	6.44	99	756251	92.67	ng	0.00
23) Nitrobenzene-d5	7.37	82	444157	72.00	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	154187	89.79	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	759475	72.47	ng	0.00
78) Terphenyl-d14	12.92	244	629817	65.66	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	95418	7.309	ng	99
70) Phenanthrene	11.35	178	43160	2.944	ng	98
74) Fluoranthene	12.55	202	65485	4.275	ng	98
77) Pyrene	12.78	202	60041	3.704	ng	98
80) Benzo(a)anthracene	13.97	228	28688	2.196	ng	97
82) Chrysene	14.00	228	26874	2.003	ng	98
87) Benzo(b)fluoranthene	15.02	252	25118m	2.678	ng	
89) Benzo(a)pyrene	15.39	252	17259	2.057	ng	# 94

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

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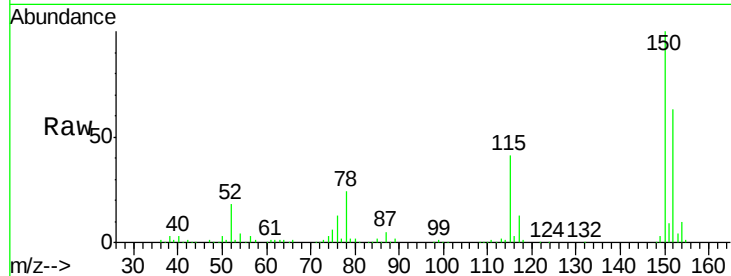




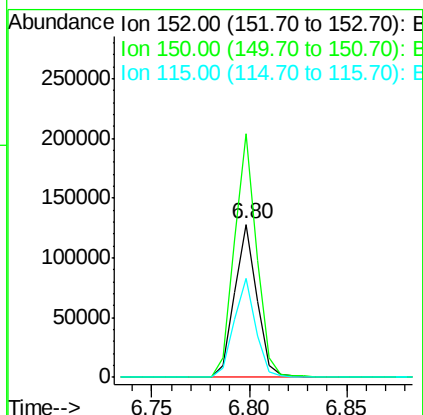
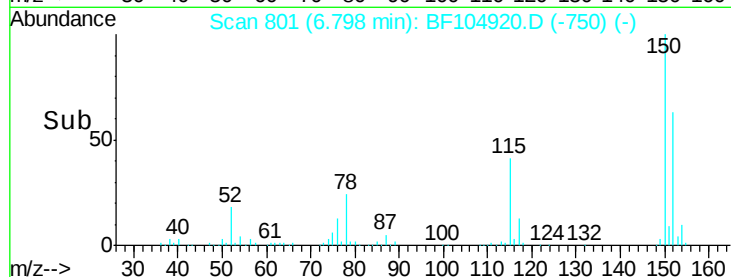
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	64.6	50.1	75.1



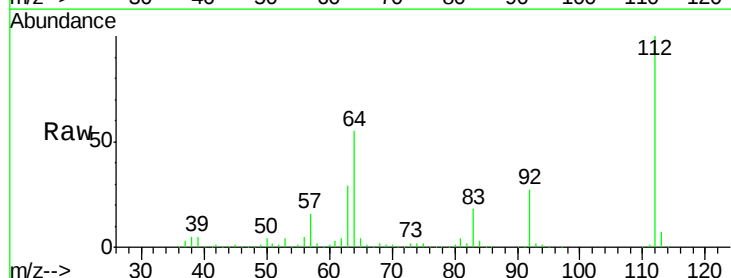
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



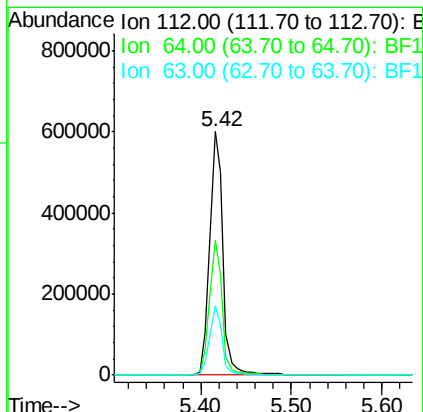
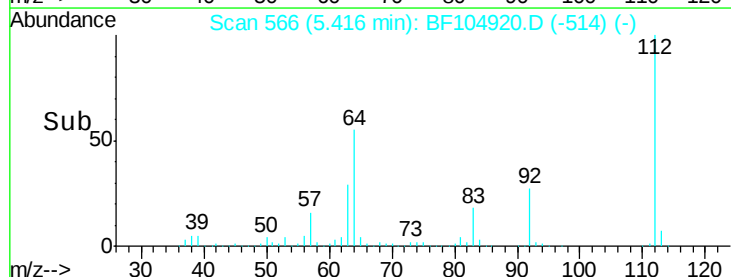
#5

2-Fluorophenol
Concen: 94.437 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	47.9	71.9
63	28.5	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: 92.673 ng

RT: 6.44 min Scan# 740

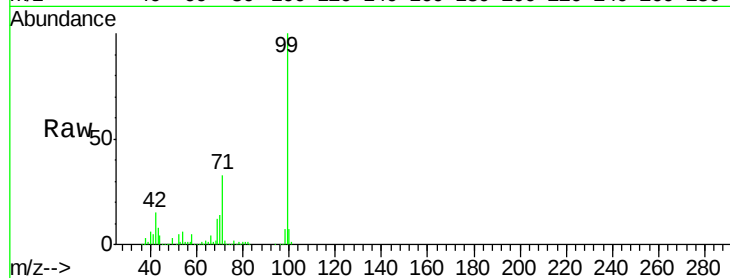
Delta R.T. -0.01 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

Tot Ion: 99 Resp: 756251

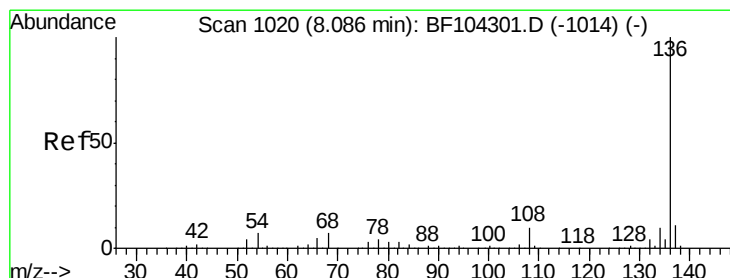
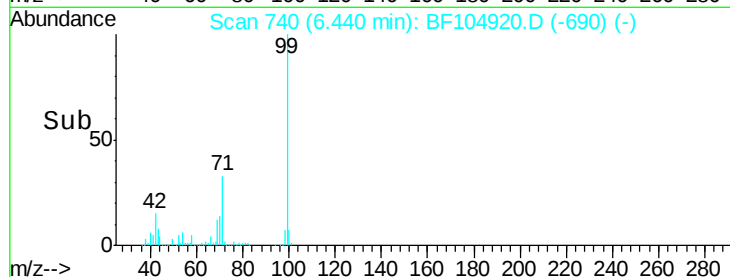
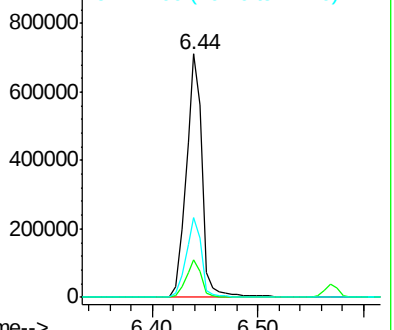
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	32.7	25.4	38.0



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

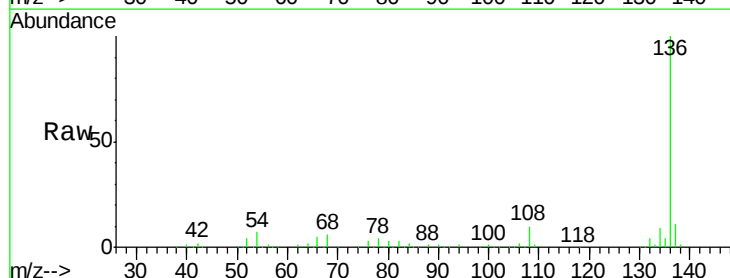
Delta R.T. -0.01 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

Tgt Ion: 136 Resp: 402795

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.8	6.6	9.8
68	5.8	5.0	7.4

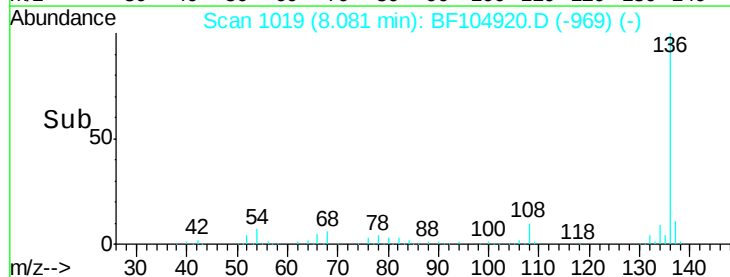
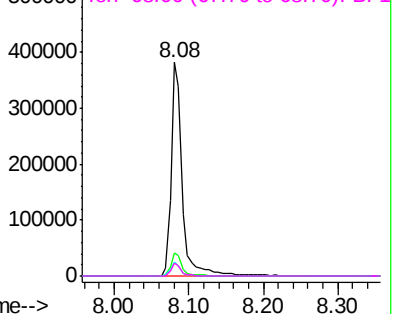


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

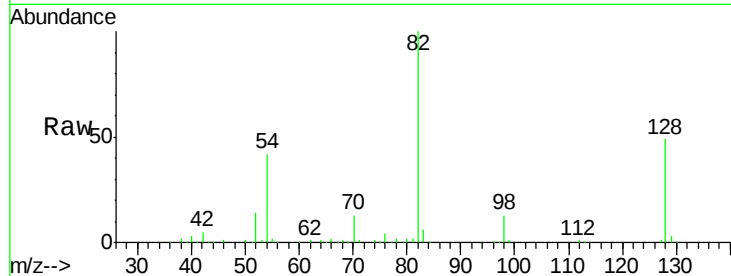
Ion 68.00 (67.70 to 68.70): BF1



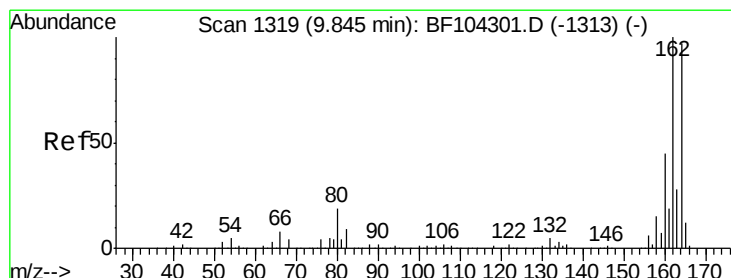
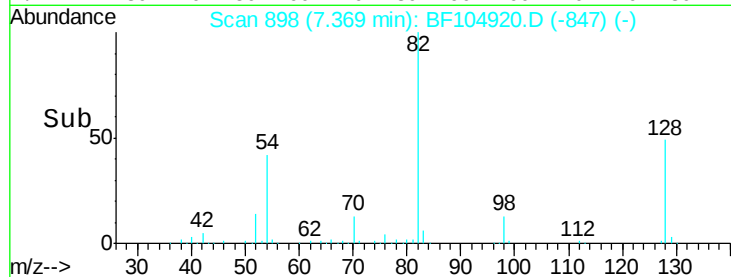
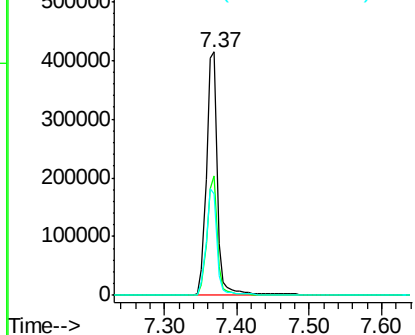


#23
 Nitrobenzene-d5
 Concen: 72.003 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104920.D
 Acq: 28 Apr 2018 9:39

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.1	54.1
54	41.6	41.4	62.2

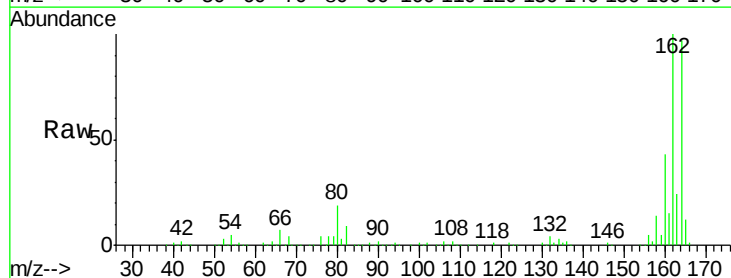


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

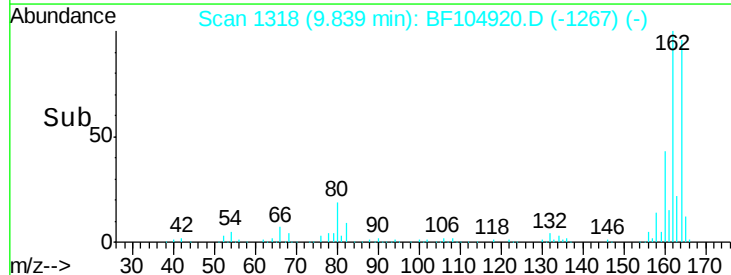
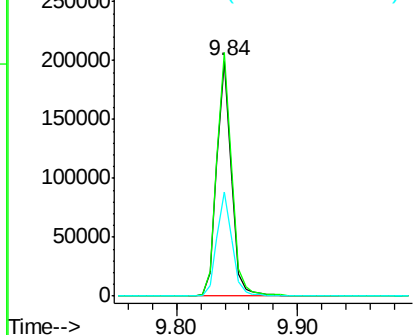


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF104920.D
 Acq: 28 Apr 2018 9:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	44.3	38.3	57.5



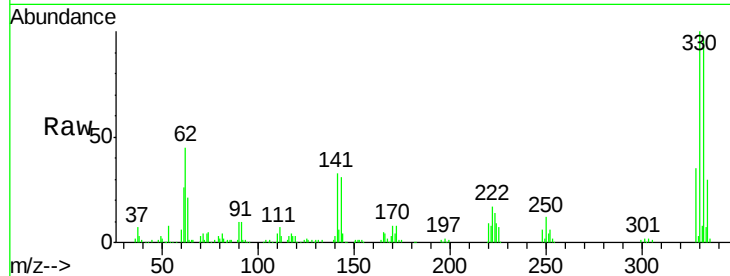
Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1



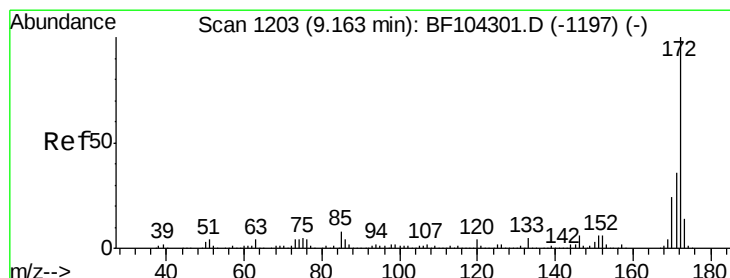
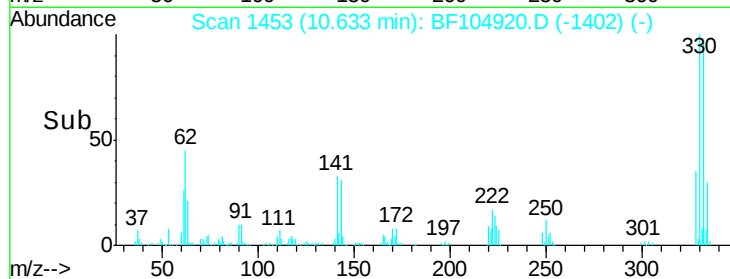
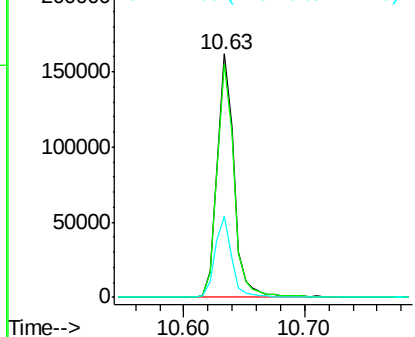


#41
 2,4,6-Tribromophenol
 Concen: 89.786 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104920.D
 Acq: 28 Apr 2018 9:39

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.9	29.9	44.9

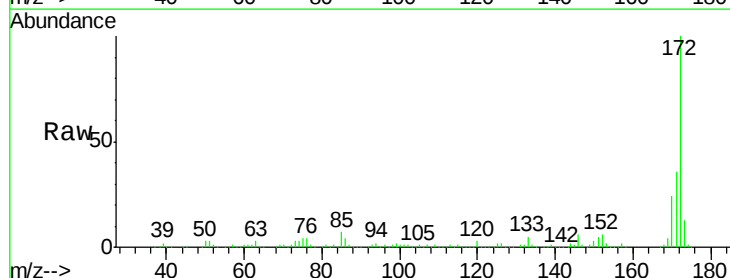


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

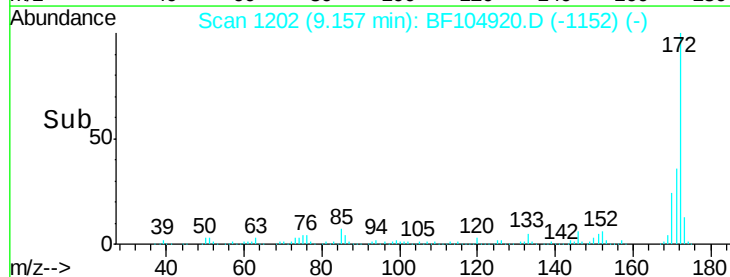
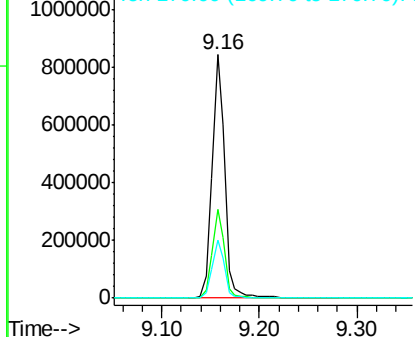


#44
 2-Fluorobiphenyl
 Concen: 72.473 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104920.D
 Acq: 28 Apr 2018 9:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.8	19.6	29.4



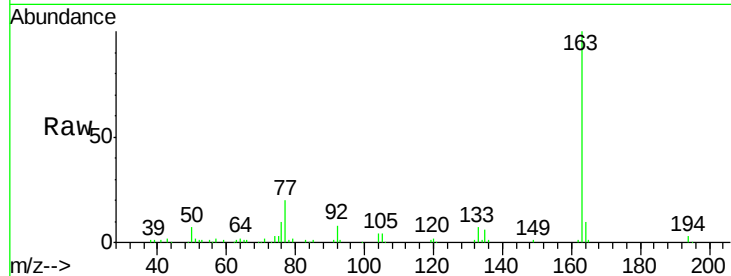
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



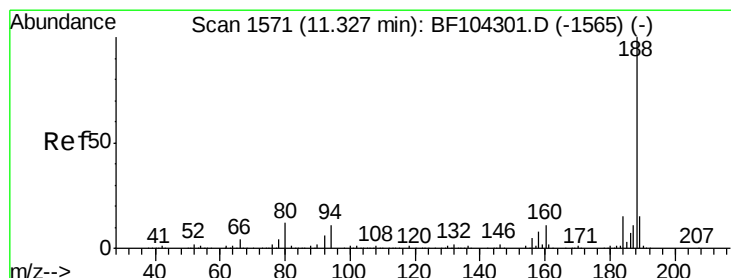
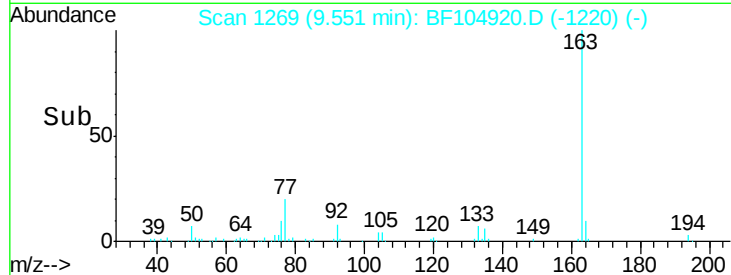
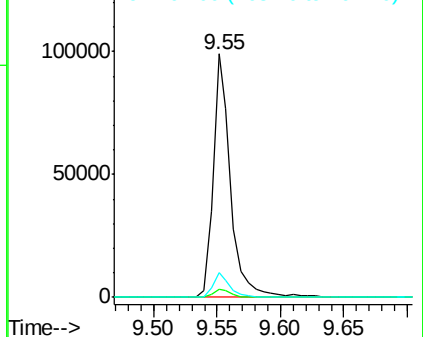


#49
Dimethylphthalate
Concen: 7.309 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

Tot Ion:163 Resp: 95418
Ion Ratio Lower Upper
163 100
194 3.1 2.7 4.1
164 10.0 8.2 12.2

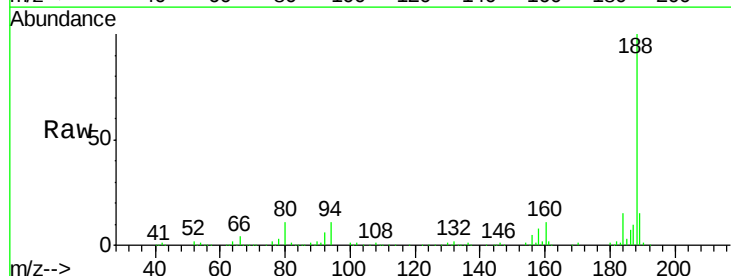


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

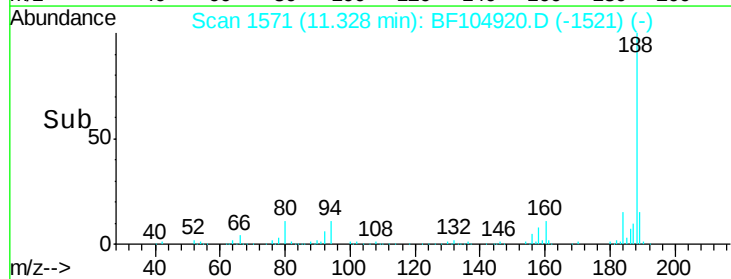
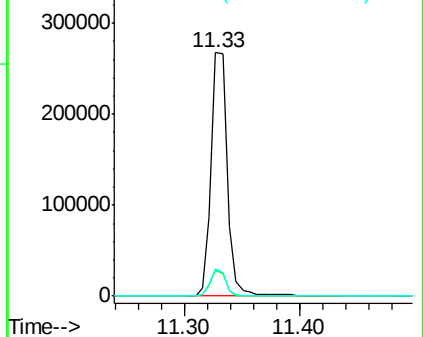


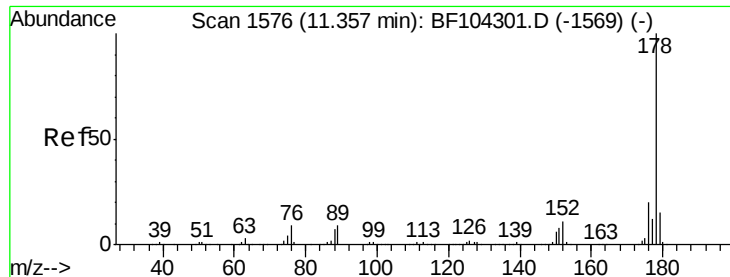
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

Tgt Ion:188 Resp: 263250
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.4 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: 2.944 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

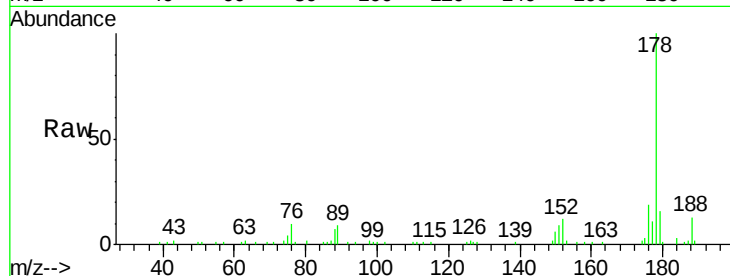
Tot Ion:178 Resp: 43160

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

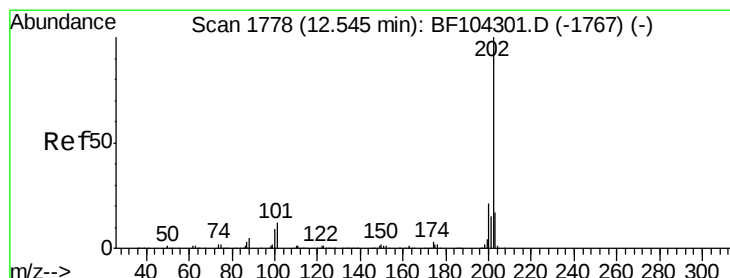
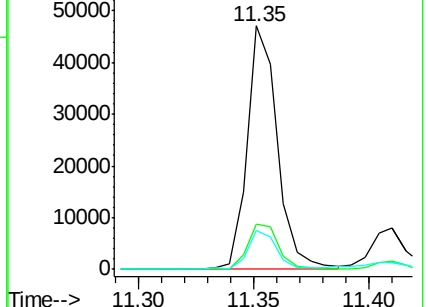
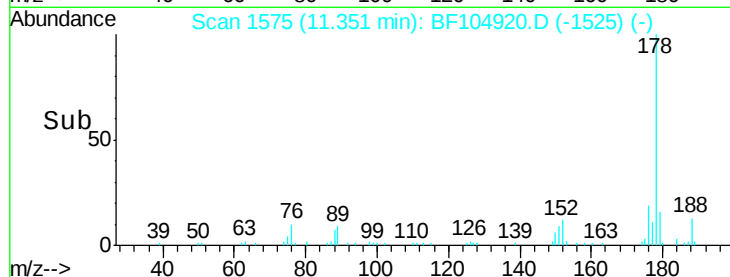
179 16.0 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.275 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

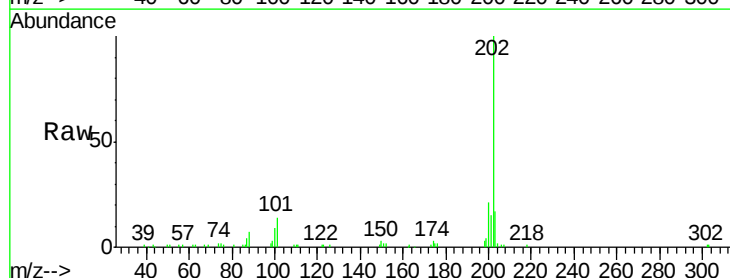
Tgt Ion:202 Resp: 65485

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.1

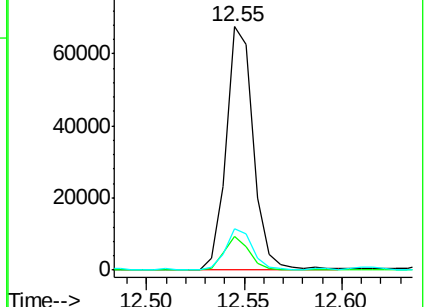
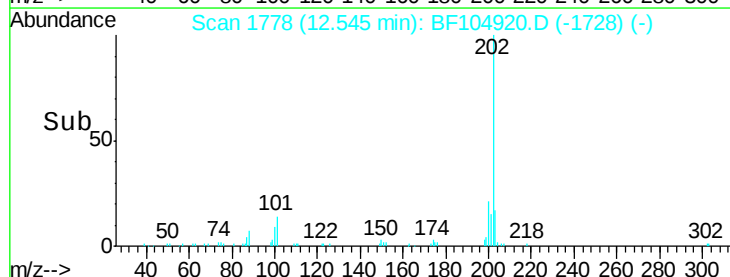
203 16.9 0.0 38.1

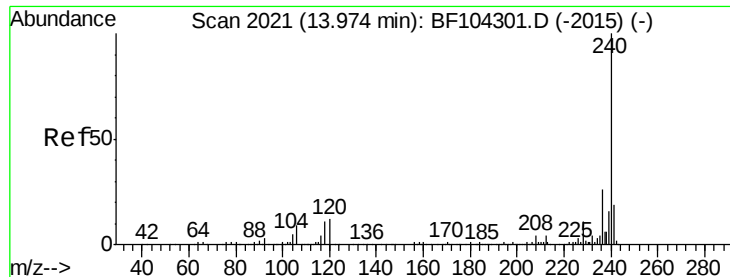


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

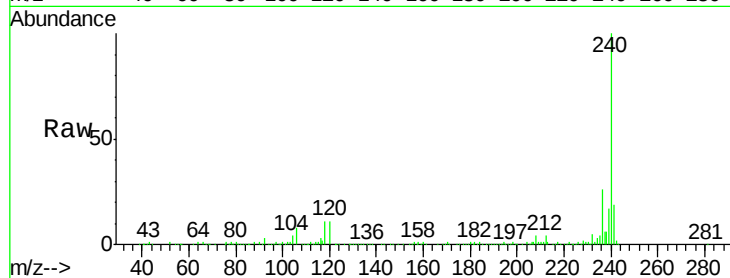
Tot Ion:240 Resp: 218673

Ion Ratio Lower Upper

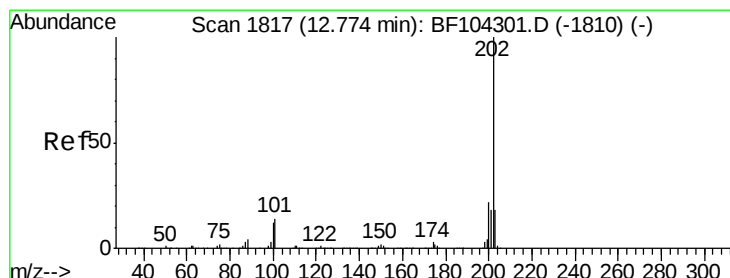
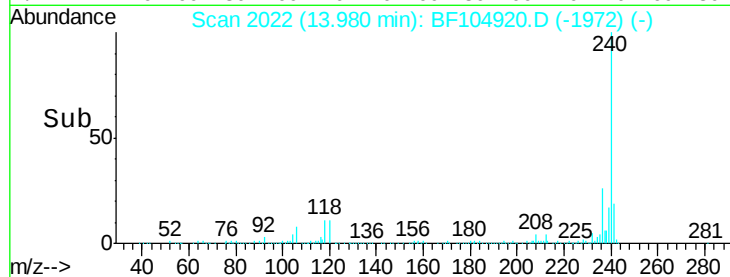
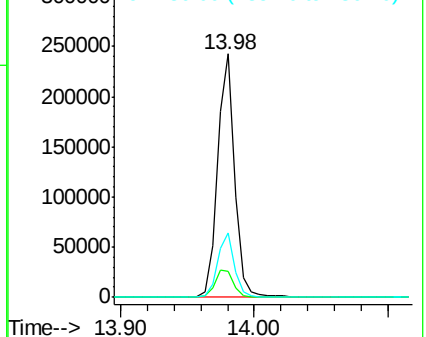
240 100

120 10.8 9.5 14.3

236 26.3 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: 3.704 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

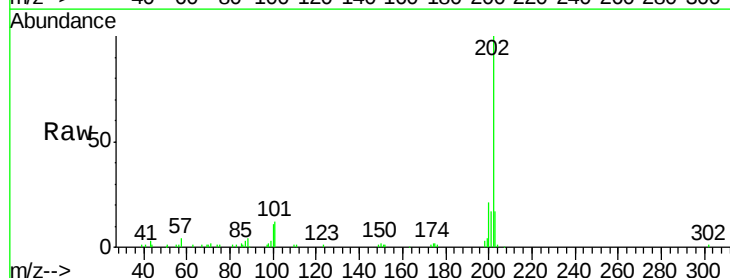
Tgt Ion:202 Resp: 60041

Ion Ratio Lower Upper

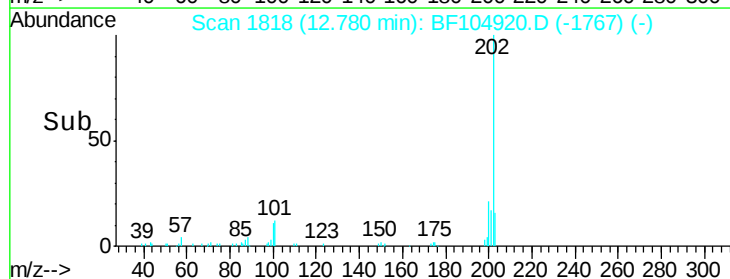
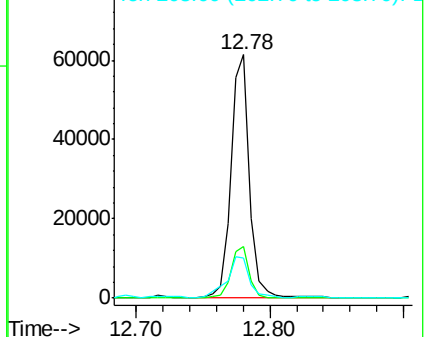
202 100

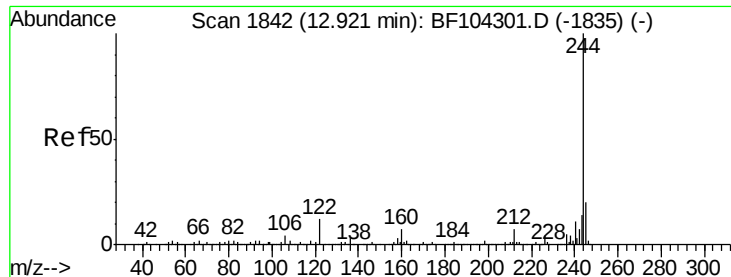
200 21.2 17.4 26.2

203 16.7 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: 65.663 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

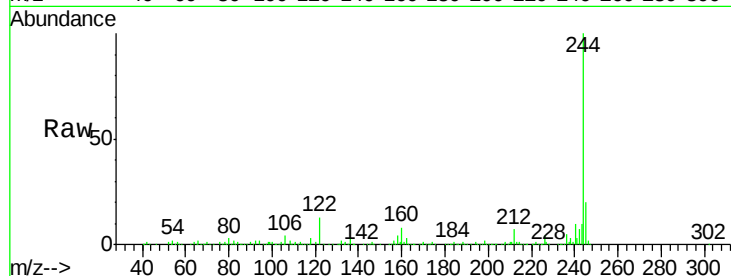
Tot Ion:244 Resp: 629817

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

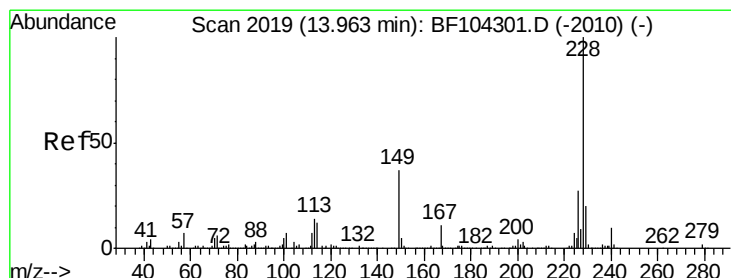
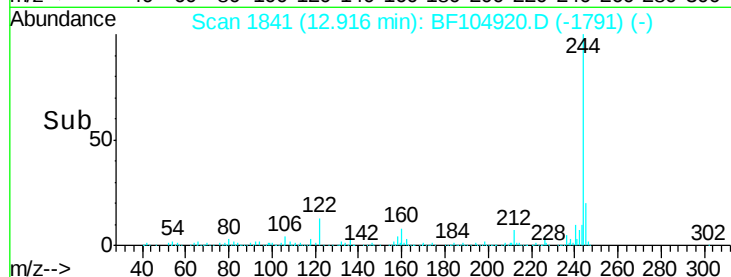
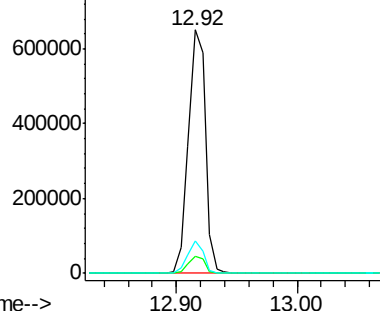
122 13.3 11.0 16.4



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: 2.196 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104920.D

Acq: 28 Apr 2018 9:39

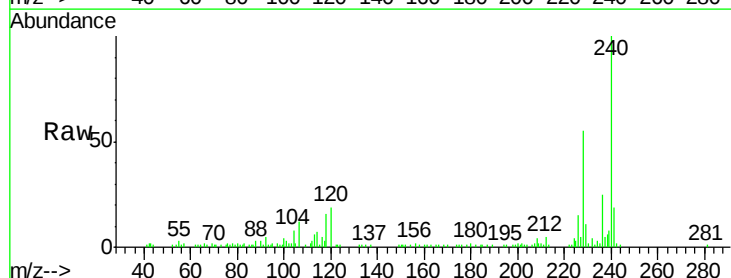
Tgt Ion:228 Resp: 28688

Ion Ratio Lower Upper

228 100

226 26.7 22.6 33.8

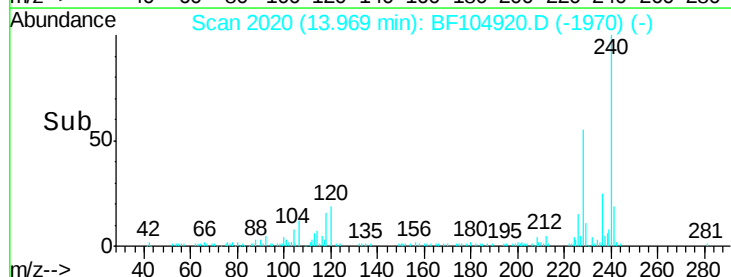
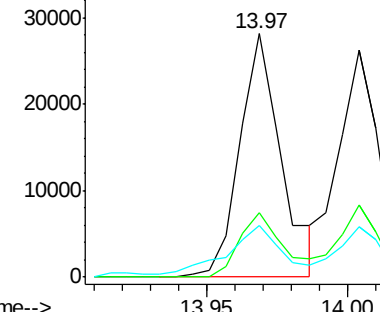
229 21.0 15.8 23.6

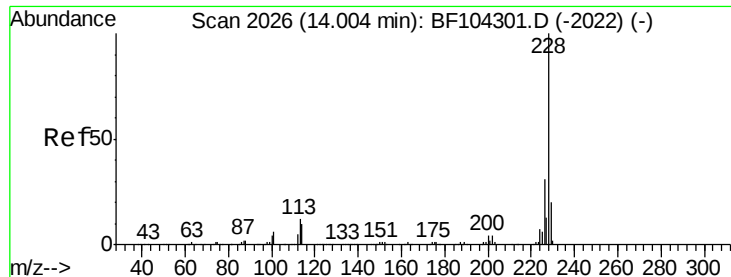


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

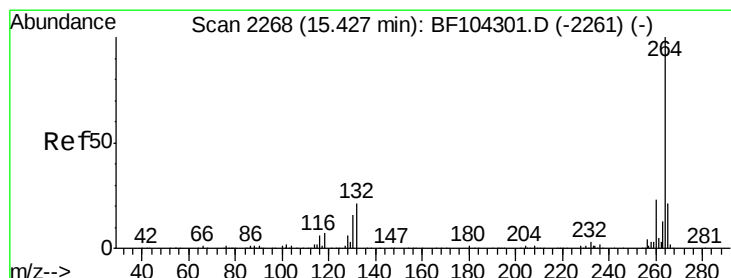
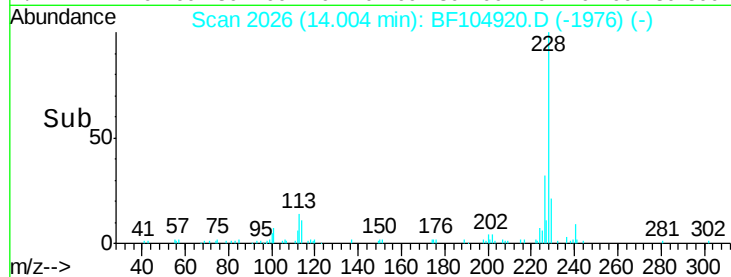
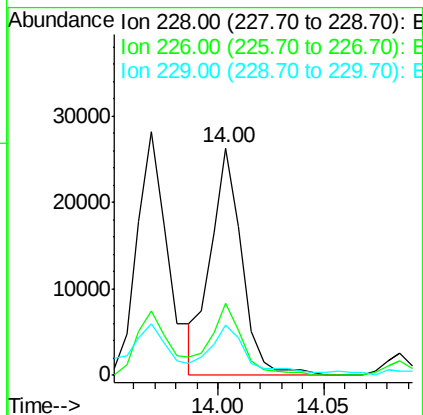
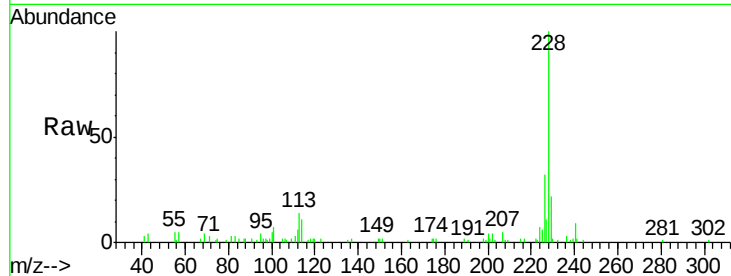
Ion 229.00 (228.70 to 229.70): E





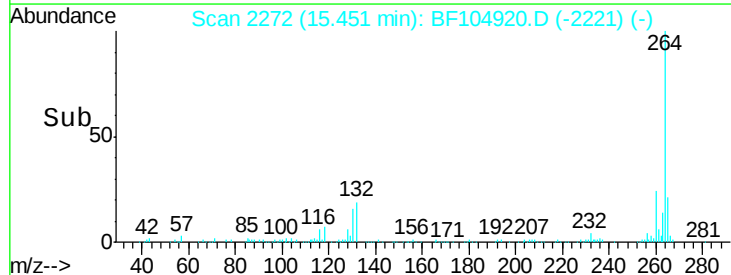
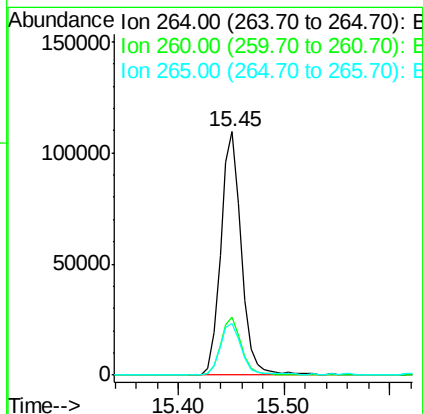
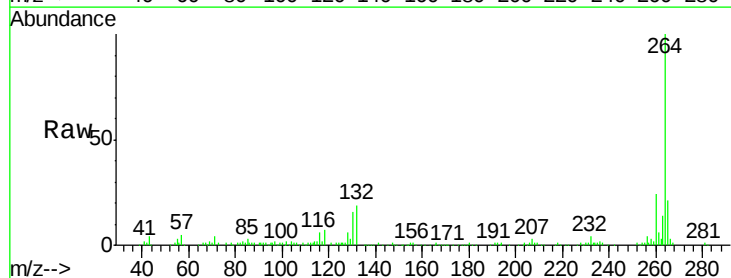
#82
Chrysene
Concen: 2.003 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

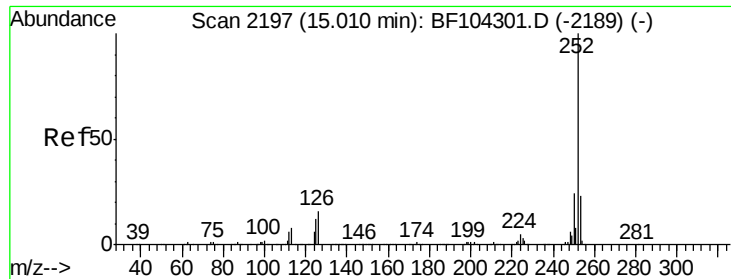
Tot Ion:228	Resp:	26874
Ion Ratio	Lower	Upper
228	100	
226	31.6	25.0 37.6
229	22.4	16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

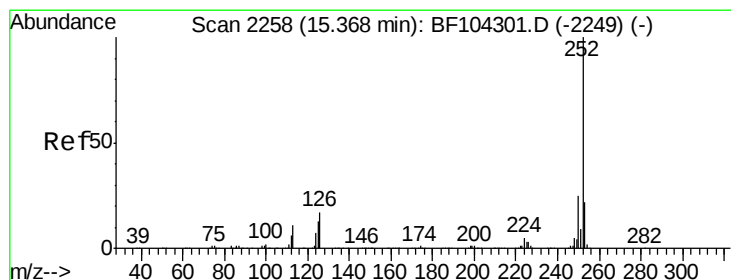
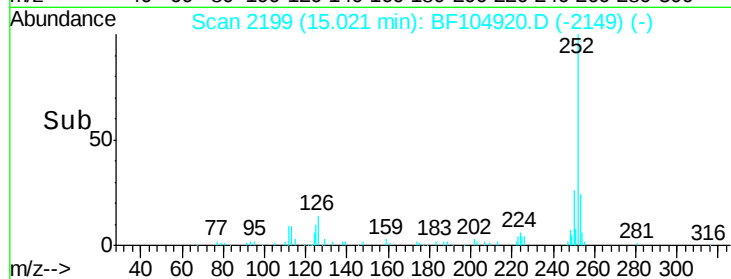
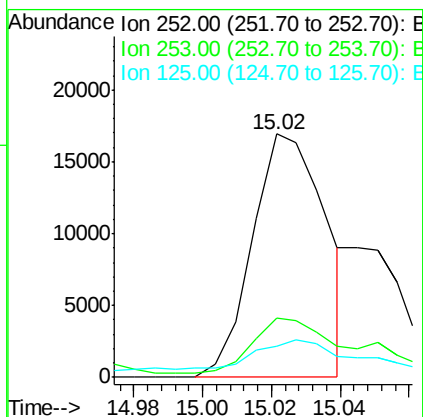
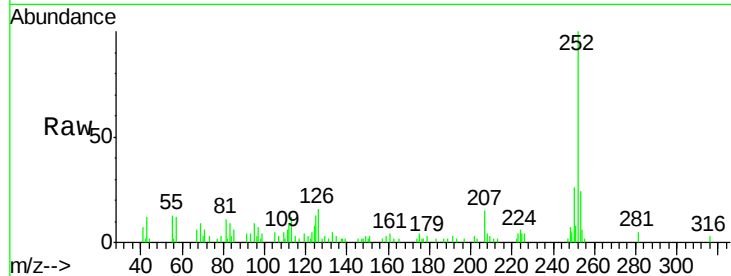
Tgt Ion:264	Resp:	148482
Ion Ratio	Lower	Upper
264	100	
260	23.7	19.2 28.8
265	21.4	17.5 26.3





#87
Benzo(b)fluoranthene
Concen: 2.678 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

Tot Ion:252 Resp: 25118
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 12.8 9.0 13.6



#89
Benzo(a)pyrene
Concen: 2.057 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104920.D
Acq: 28 Apr 2018 9:39

Tgt Ion:252 Resp: 17259
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 15.9 9.8 14.6#

