

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104919.D
 Acq On : 28 Apr 2018 9:13
 Operator : JU/SJ
 Sample : J2565-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

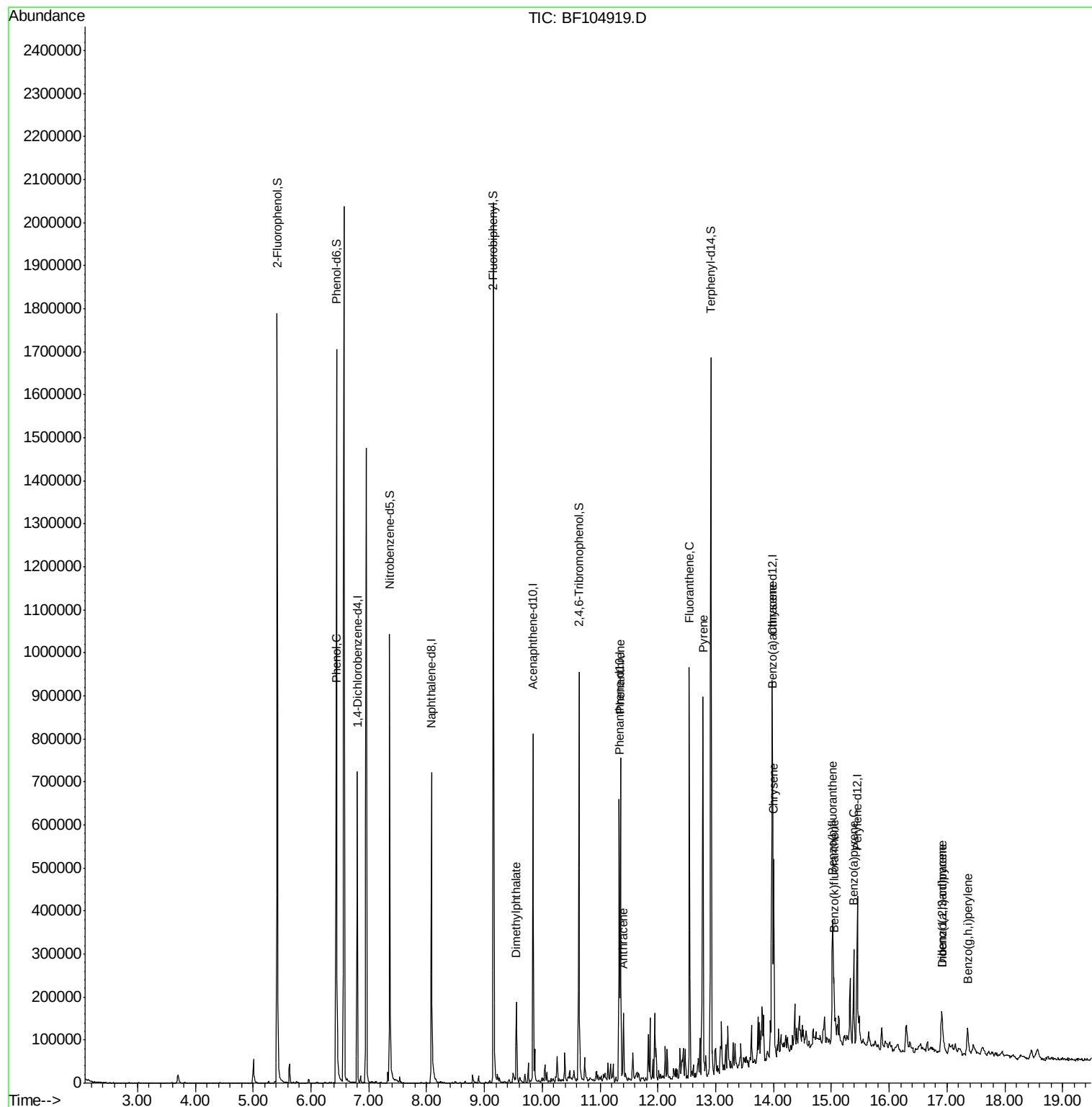
Quant Time: Apr 30 03:48:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

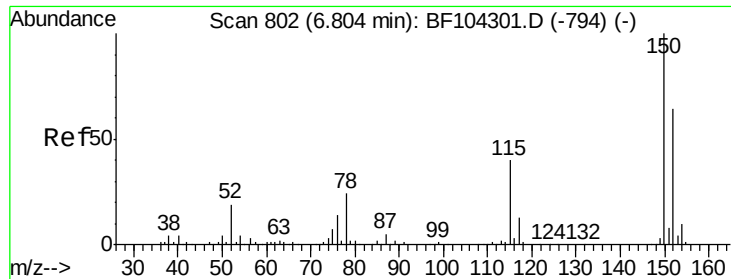
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	100024	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	380826	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	152585	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	247126	20.00	ng	0.00
75) Chrysene-d12	13.98	240	215430	20.00	ng	0.00
86) Perylene-d12	15.45	264	149198	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	537141	82.11	ng	0.00
7) Phenol-d6	6.44	99	632708	78.72	ng	0.00
23) Nitrobenzene-d5	7.36	82	363512	62.33	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	123899	78.28	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	633910	65.63	ng	0.00
78) Terphenyl-d14	12.92	244	524391	55.49	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.45	94	26956	3.161	ng	97
49) Dimethylphthalate	9.55	163	78318	6.509	ng	100
70) Phenanthrene	11.36	178	279761	20.328	ng	97
71) Anthracene	11.40	178	64712	4.626	ng	98
74) Fluoranthene	12.55	202	391183	27.205	ng	96
77) Pyrene	12.78	202	360463	22.573	ng	98
80) Benzo(a)anthracene	13.97	228	185806	14.437	ng	99
82) Chrysene	14.00	228	163409	12.361	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	54124	4.820	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	153561m	16.296	ng	
88) Benzo(k)fluoranthene	15.04	252	52094m	5.856	ng	
89) Benzo(a)pyrene	15.39	252	101750	12.068	ng	98
90) Dibenzo(a,h)anthracene	16.92	278	15306	2.210	ng	# 84
91) Benzo(g,h,i)perylene	17.36	276	52882	7.882	ng	94

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

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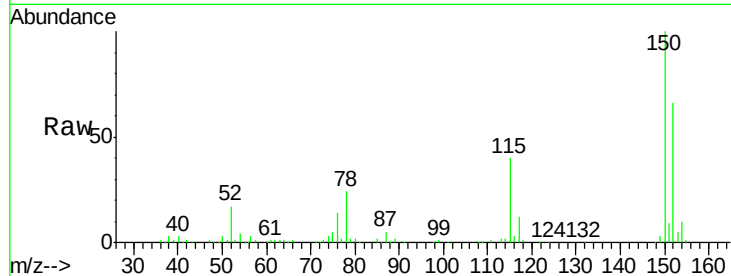




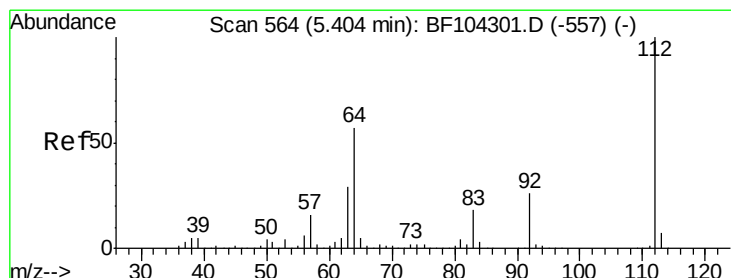
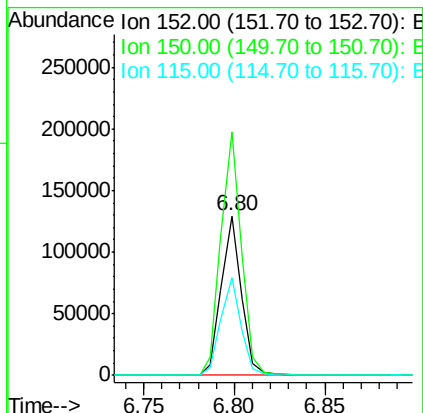
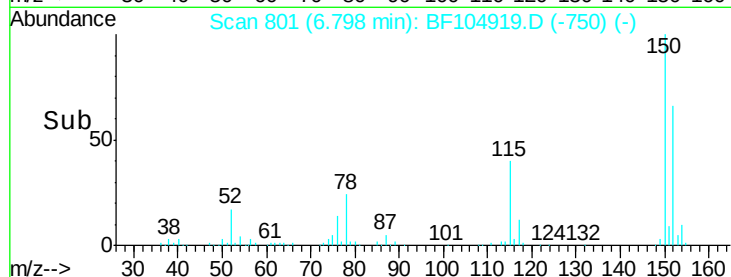
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	61.1	50.1	75.1



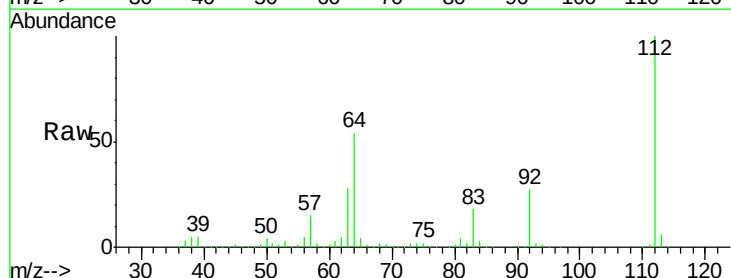
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



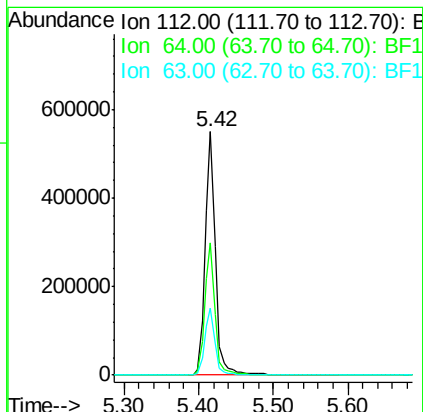
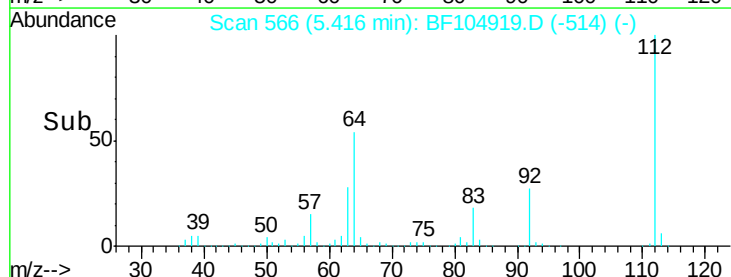
#5

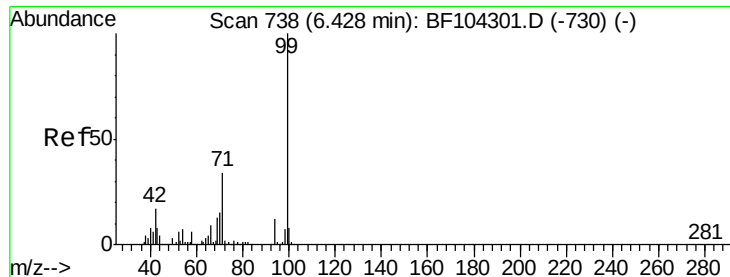
2-Fluorophenol
Concen: 82.112 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.5	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: 78.720 ng

RT: 6.44 min Scan# 740

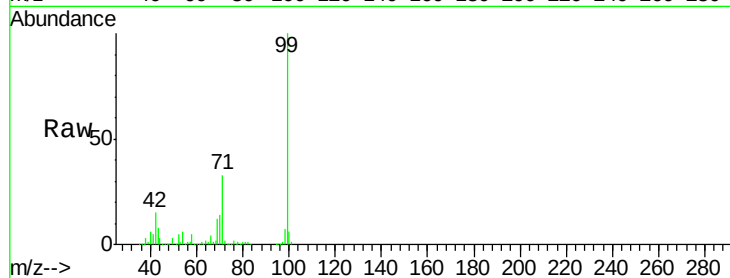
Delta R.T. -0.01 min

Lab File: BF104919.D

Acq: 28 Apr 2018 9:13

Tot Ion: 99 Resp: 632708

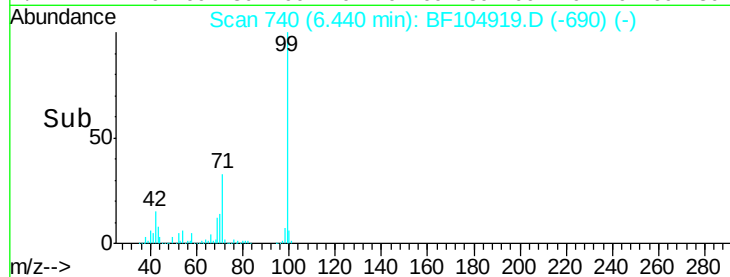
Ion	Ratio	Lower	Upper
99	100		
42	15.4	14.5	21.7
71	33.1	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

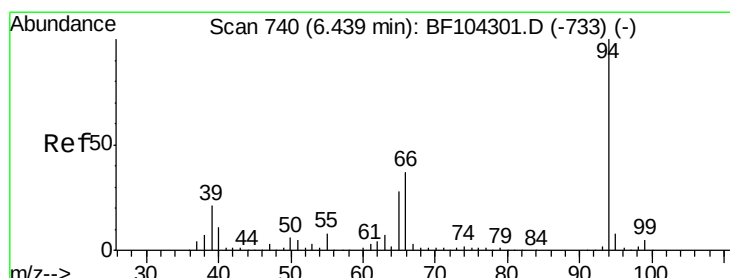
Ion 71.00 (70.70 to 71.70): BF1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.161 ng

RT: 6.45 min Scan# 742

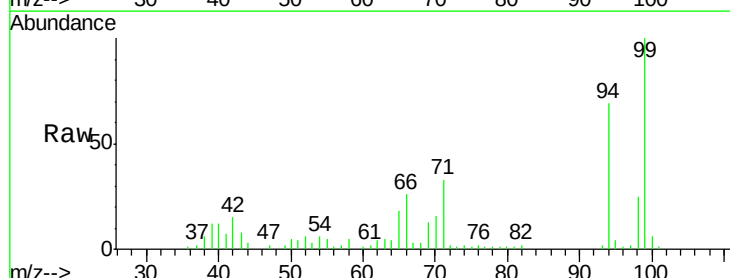
Delta R.T. -0.01 min

Lab File: BF104919.D

Acq: 28 Apr 2018 9:13

Tgt Ion: 94 Resp: 26956

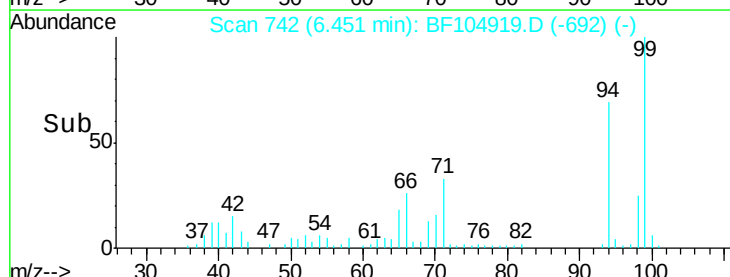
Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.9	47.9
66	38.0	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

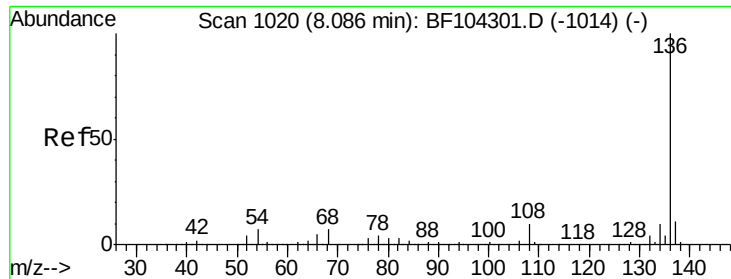
Ion 66.00 (65.70 to 66.70): BF1



Abundance Ion 94.00 (93.70 to 94.70): BF1

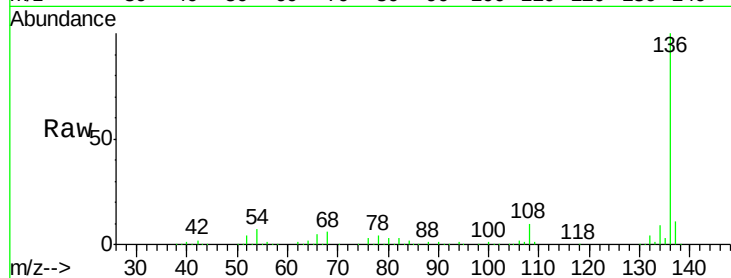
Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

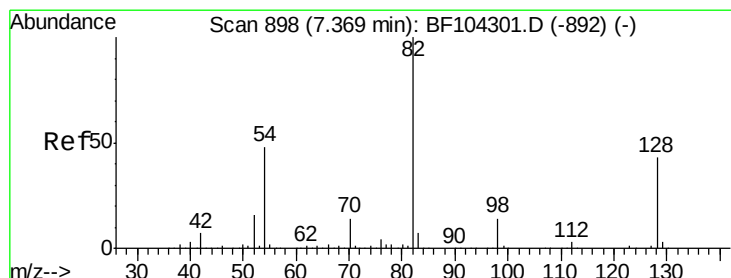
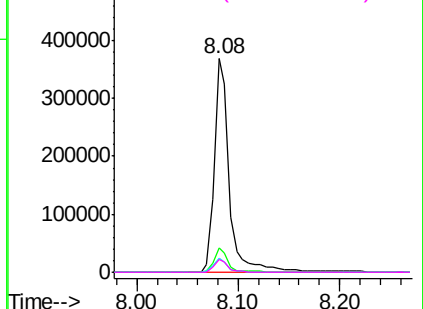
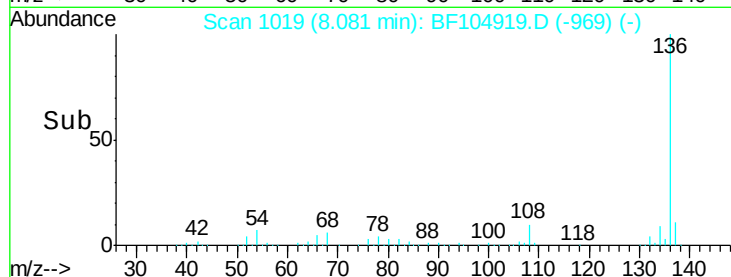


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tot Ion:136	Resp:	380826
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	6.5	6.6 9.8#
68	5.8	5.0 7.4

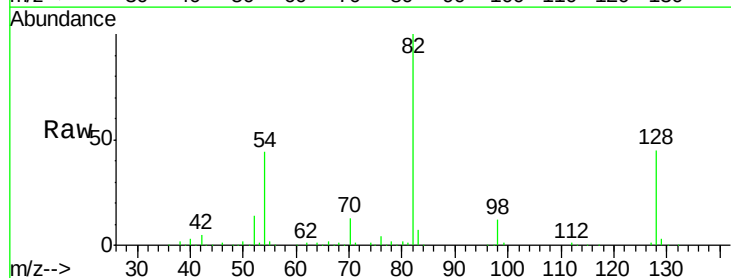


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

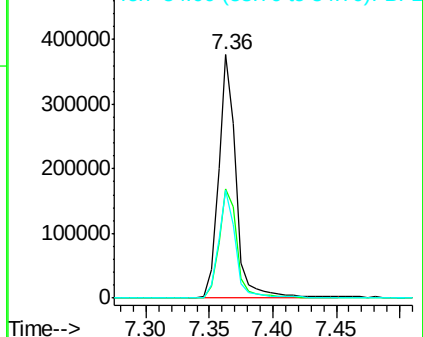
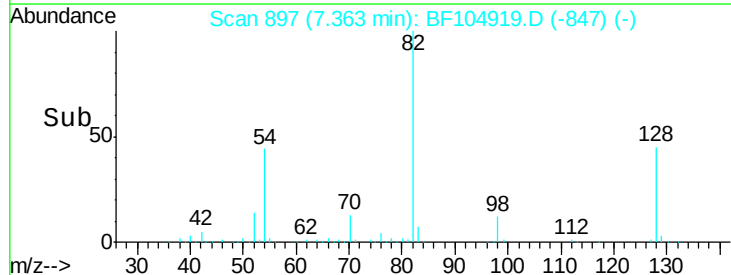


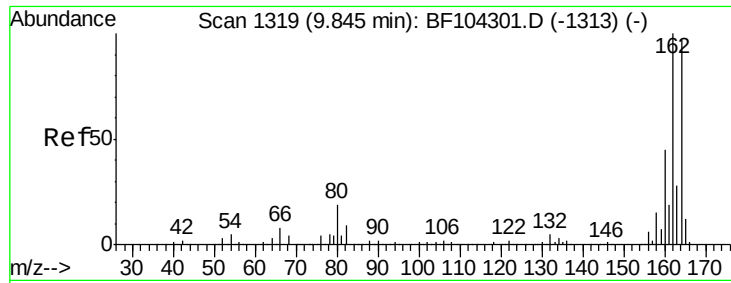
#23
Nitrobenzene-d5
Concen: 62.329 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tgt Ion: 82	Resp:	363512
Ion Ratio	Lower	Upper
82	100	
128	44.8	36.1 54.1
54	44.1	41.4 62.2



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF104919.D

Acq: 28 Apr 2018 9:13

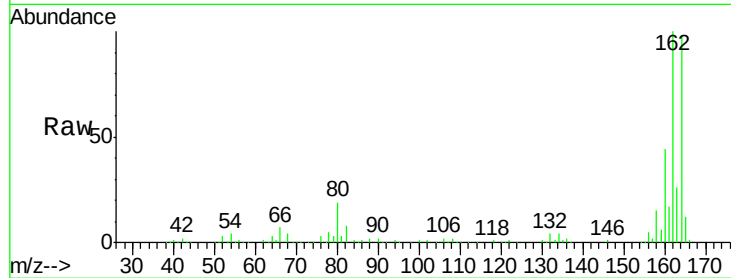
Tot Ion:164 Resp: 152585

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

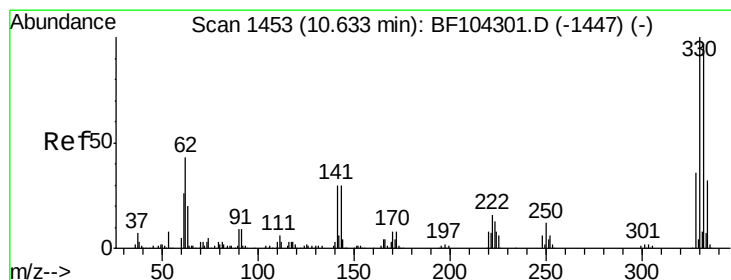
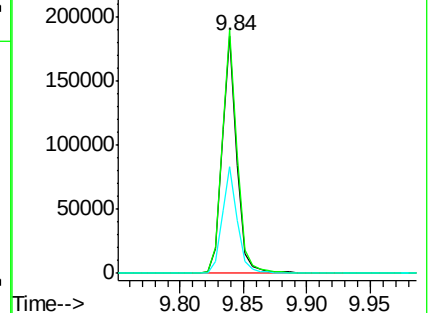
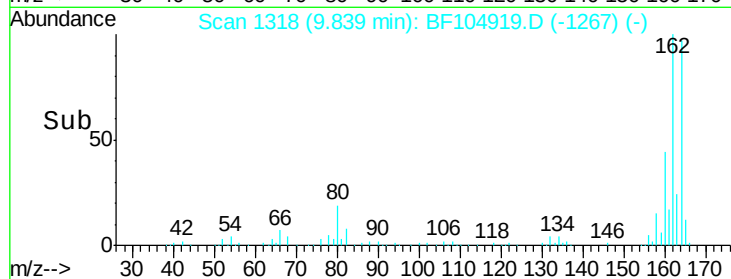
160 44.9 38.3 57.5



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: 78.278 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.00 min

Lab File: BF104919.D

Acq: 28 Apr 2018 9:13

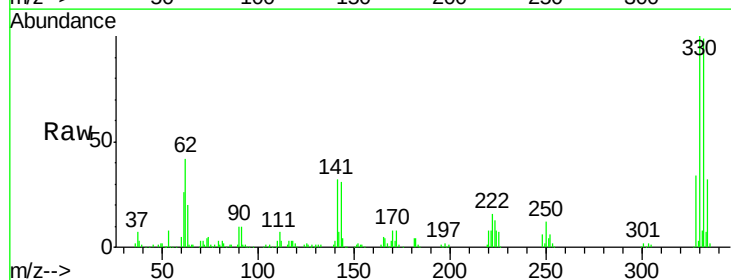
Tgt Ion:330 Resp: 123899

Ion Ratio Lower Upper

330 100

332 97.4 77.0 115.6

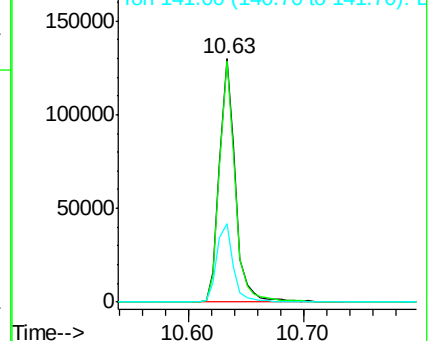
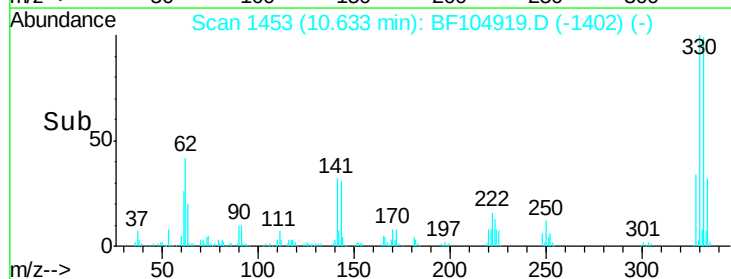
141 33.4 29.9 44.9

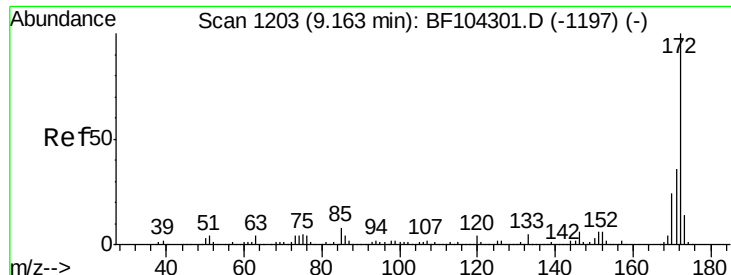


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

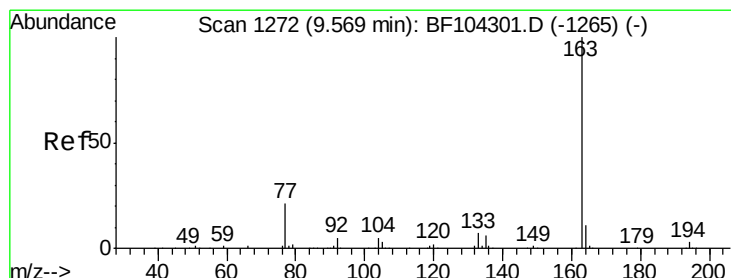
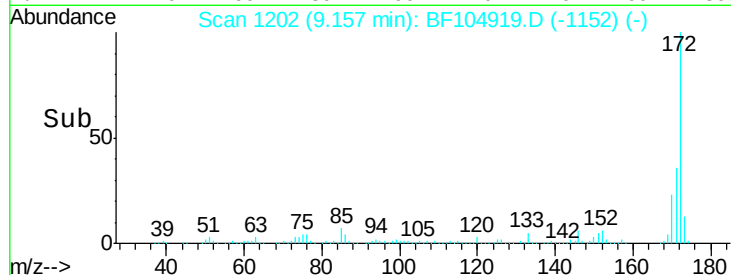
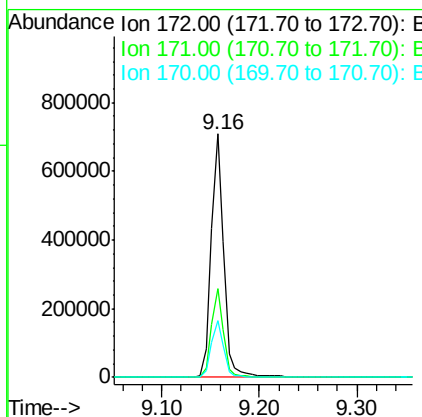
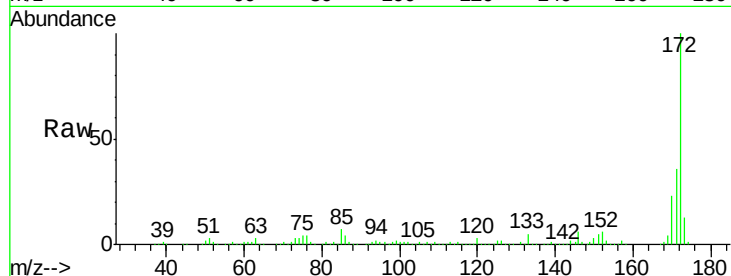
Ion 141.00 (140.70 to 141.70): E





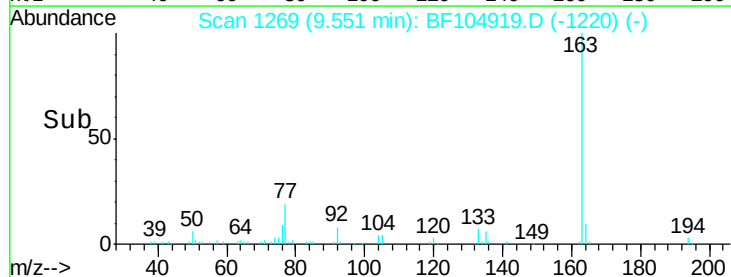
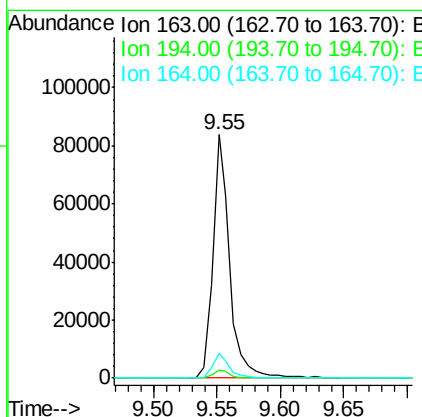
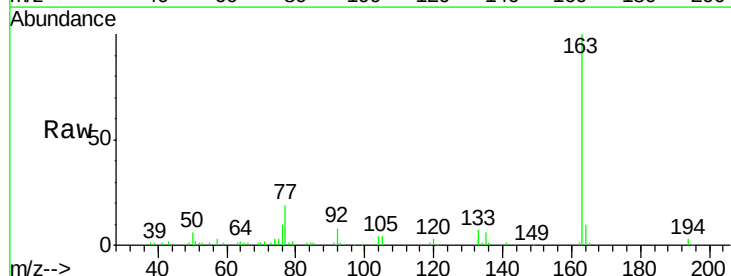
#44
2-Fluorobiphenyl
Concen: 65.630 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

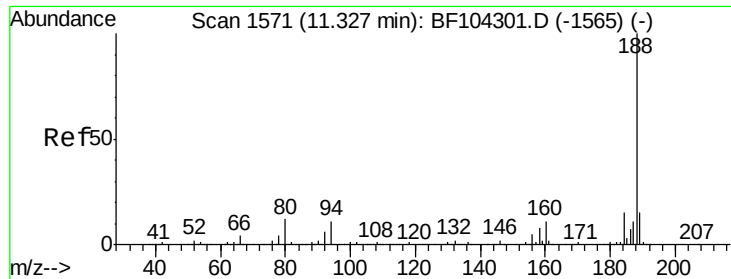
Tot Ion:172 Resp: 633910
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 23.3 19.6 29.4



#49
Dimethylphthalate
Concen: 6.509 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

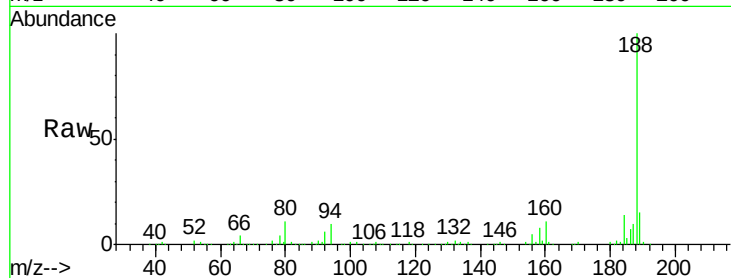
Tgt Ion:163 Resp: 78318
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.4 8.2 12.2





#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104919.D
 Acq: 28 Apr 2018 9:13

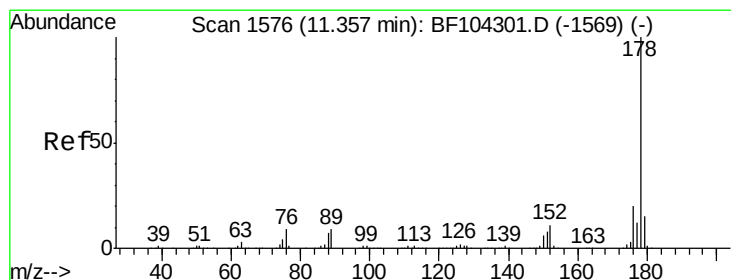
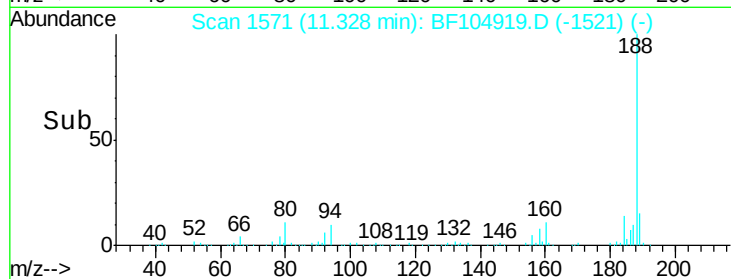
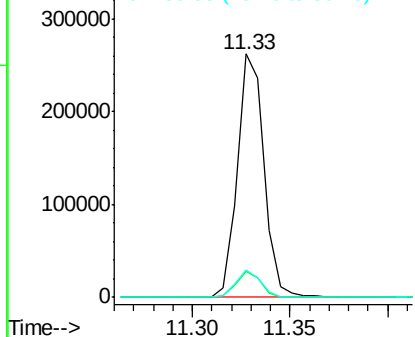
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.5	12.7
80	11.3	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

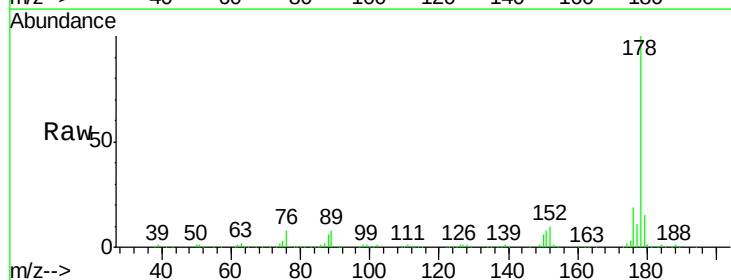
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70
 Phenanthrene
 Concen: 20.328 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF104919.D
 Acq: 28 Apr 2018 9:13

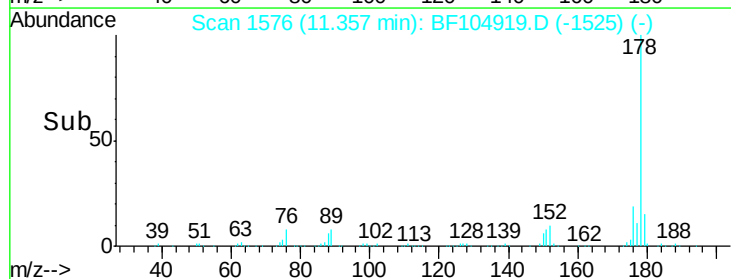
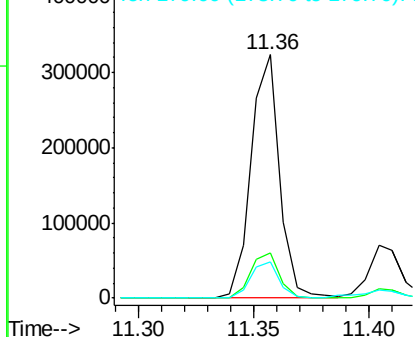
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	14.7	13.0	19.6

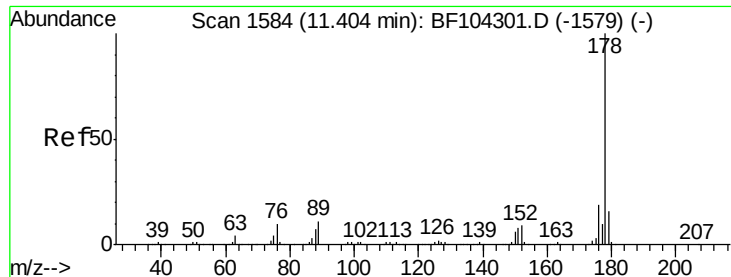


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.626 ng

RT: 11.40 min Scan# 1584

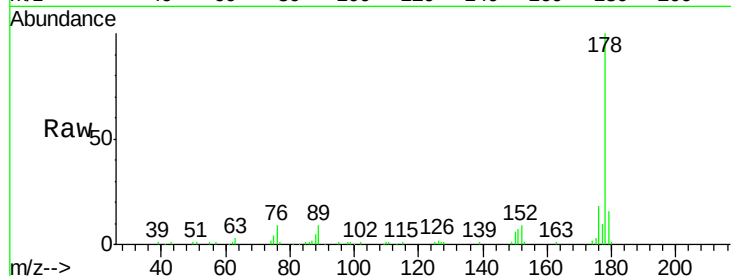
Delta R.T. -0.01 min

Lab File: BF104919.D

Acq: 28 Apr 2018 9:13

Tot Ion:178 Resp: 64712

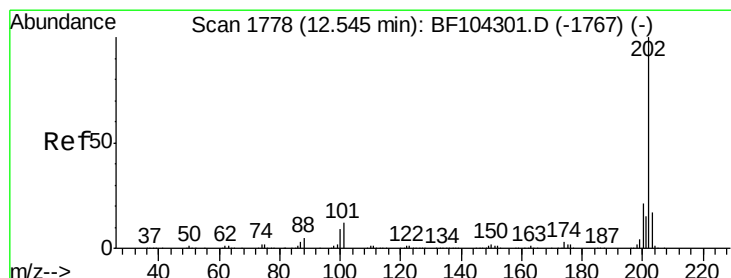
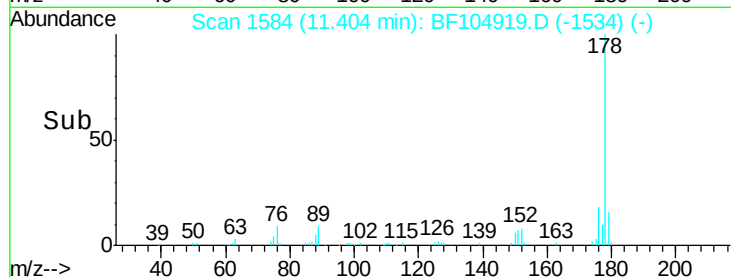
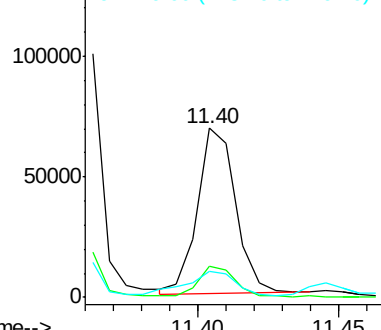
Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.6	12.6	19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 27.205 ng

RT: 12.55 min Scan# 1779

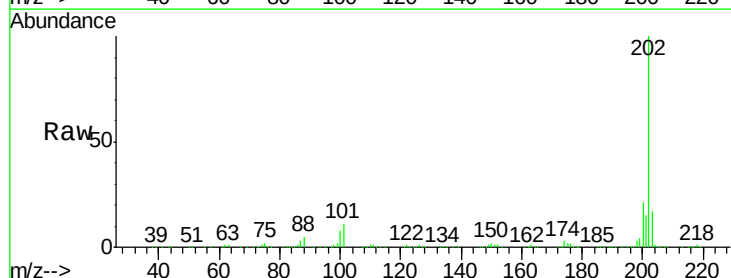
Delta R.T. 0.00 min

Lab File: BF104919.D

Acq: 28 Apr 2018 9:13

Tgt Ion:202 Resp: 391183

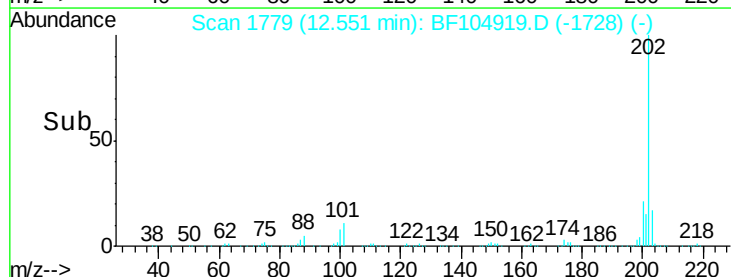
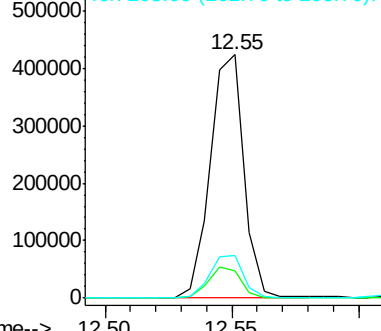
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.5	0.0	38.1

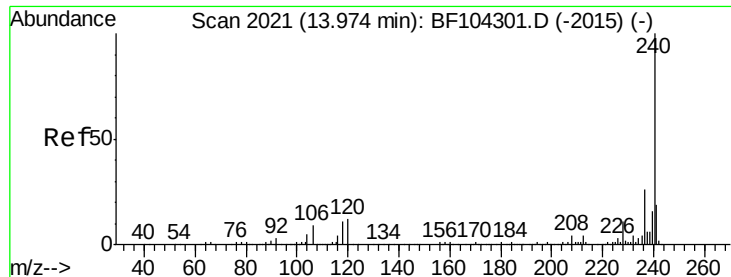


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF104919.D

Acq: 28 Apr 2018 9:13

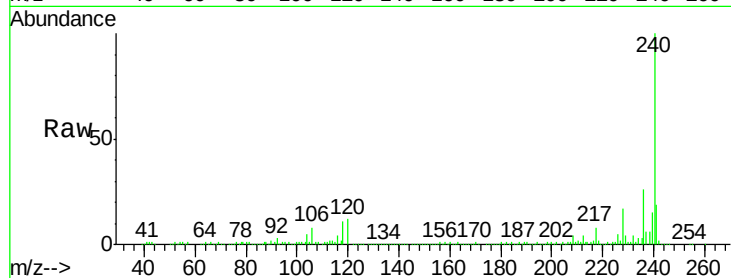
Tot Ion:240 Resp: 215430

Ion Ratio Lower Upper

240 100

120 12.3 9.5 14.3

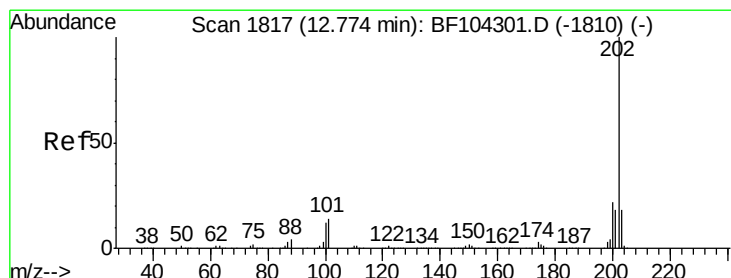
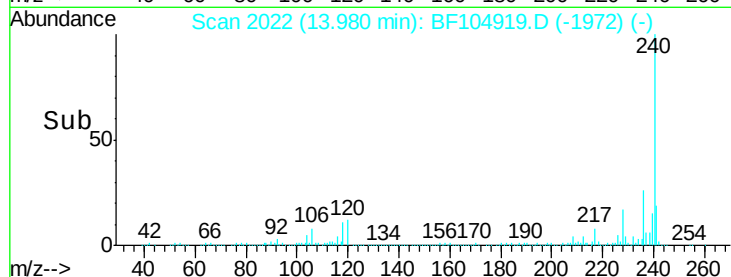
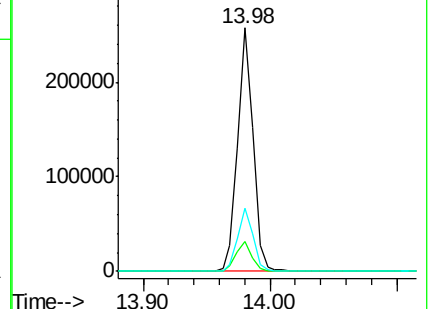
236 25.7 20.7 31.1



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: 22.573 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104919.D

Acq: 28 Apr 2018 9:13

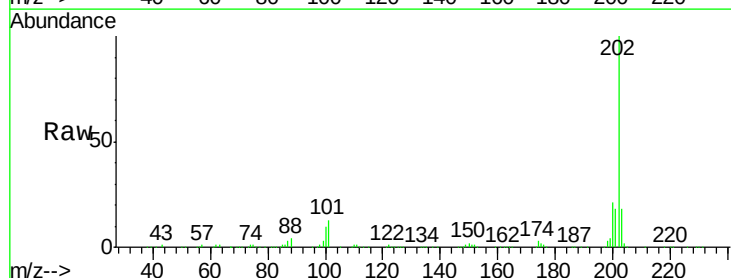
Tgt Ion:202 Resp: 360463

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

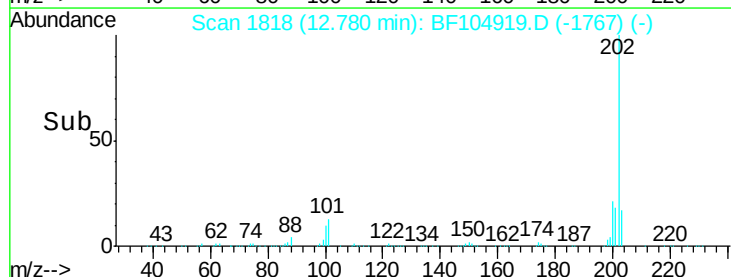
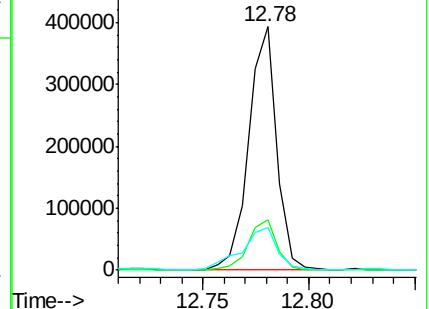
203 17.6 14.3 21.5

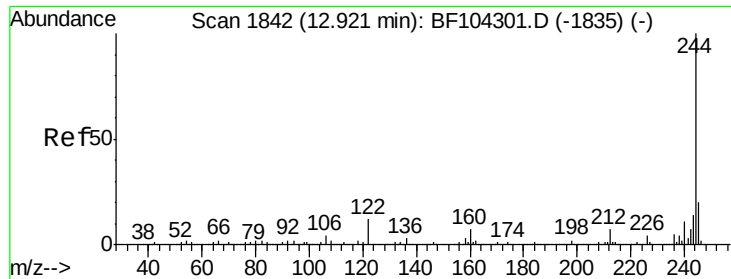


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

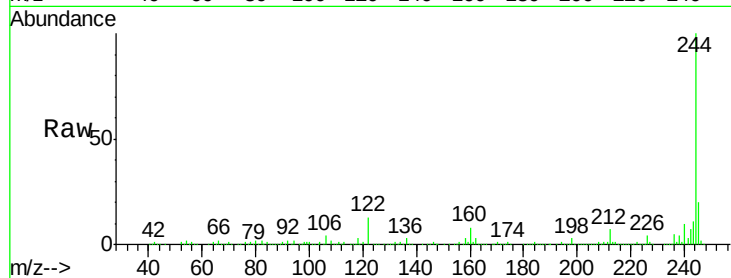
Ion 203.00 (202.70 to 203.70): E



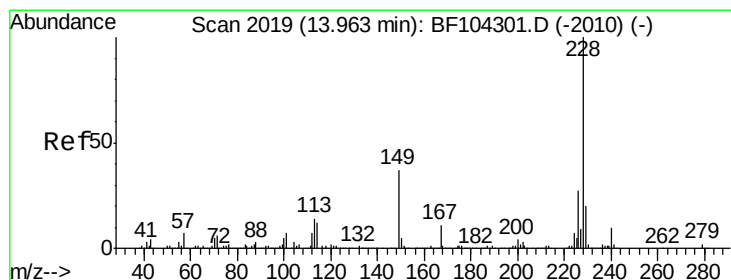
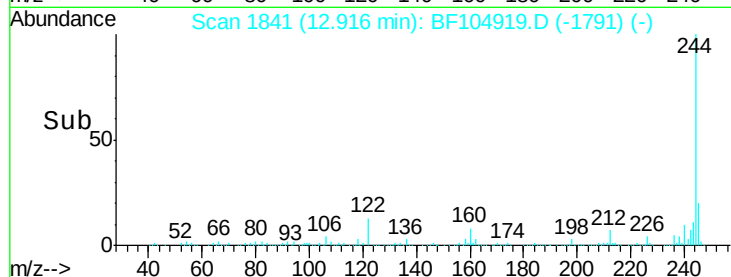
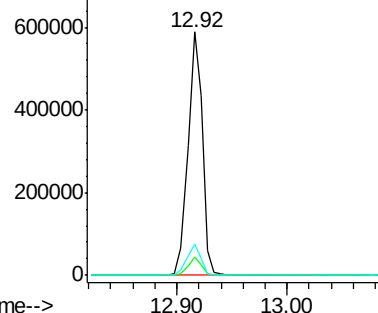


#78
 Terphenyl-d14
 Concen: 55.495 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104919.D
 Acq: 28 Apr 2018 9:13

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	13.0	11.0	16.4

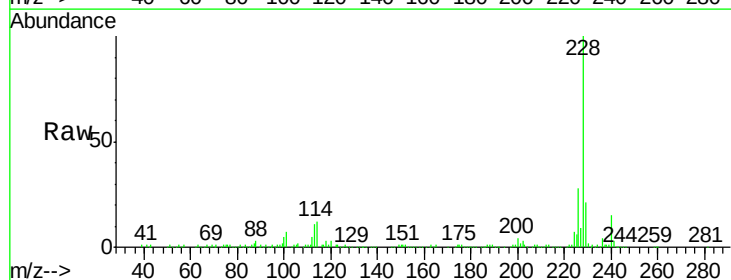


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

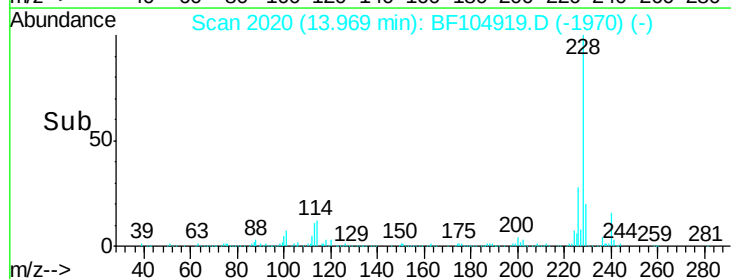
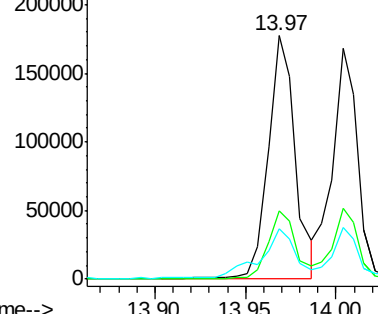


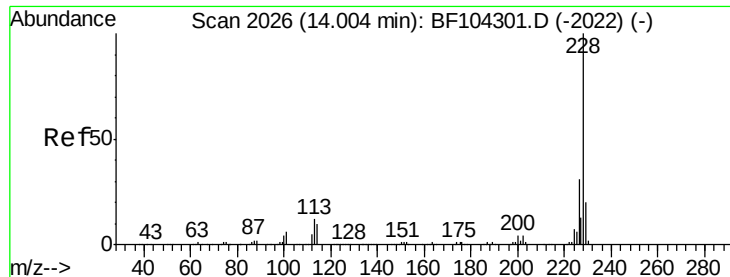
#80
 Benzo(a)anthracene
 Concen: 14.437 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104919.D
 Acq: 28 Apr 2018 9:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.6	15.8	23.6



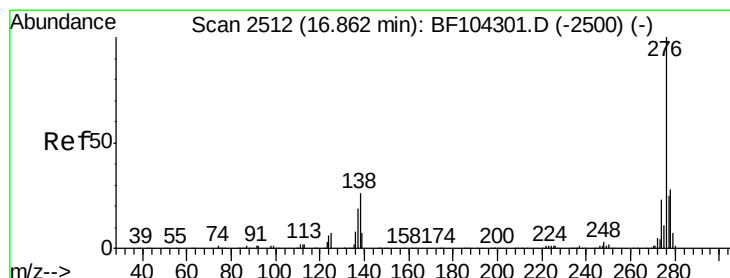
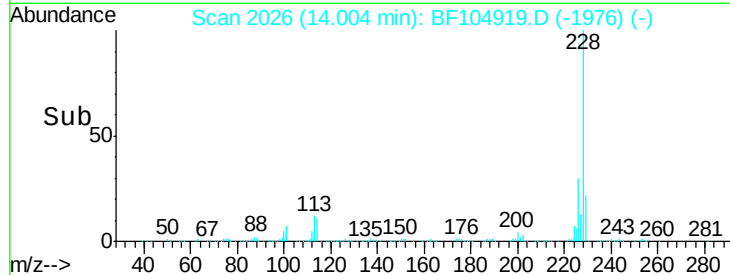
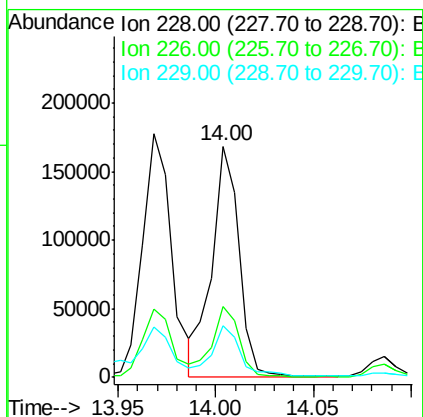
Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





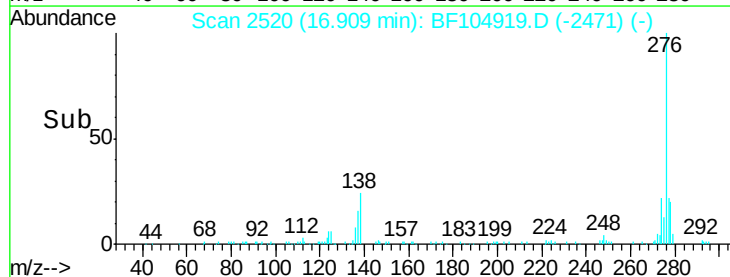
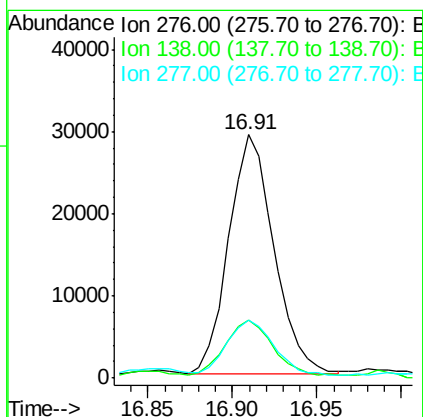
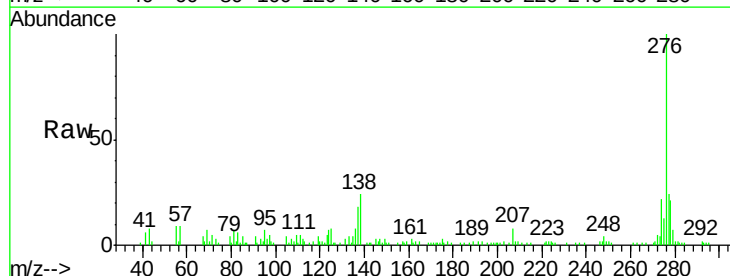
#82
Chrysene
Concen: 12.361 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

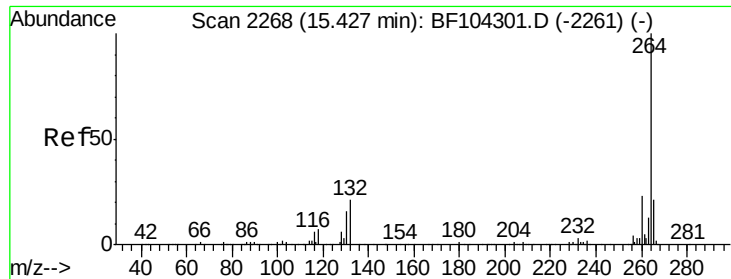
Tot Ion: 228 Resp: 163409
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 22.4 16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.820 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

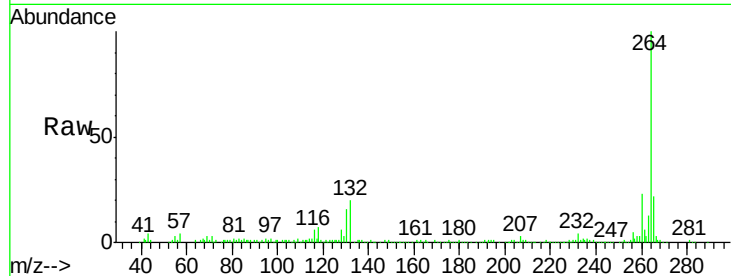
Tgt Ion: 276 Resp: 54124
Ion Ratio Lower Upper
276 100
138 24.6 25.0 37.6#
277 23.8 20.1 30.1



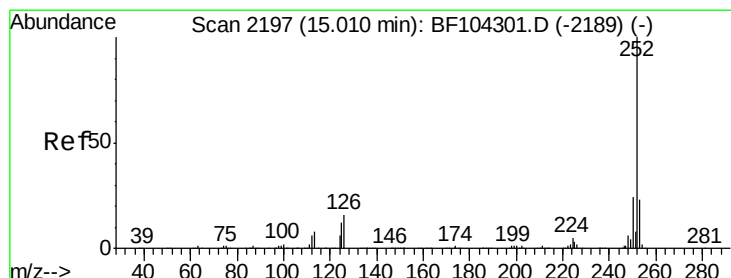
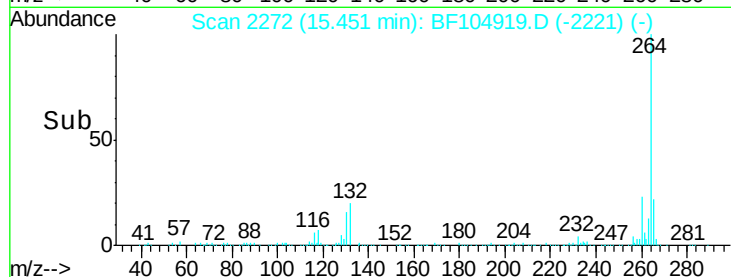
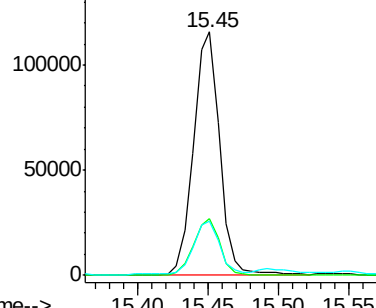


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.0	17.5	26.3

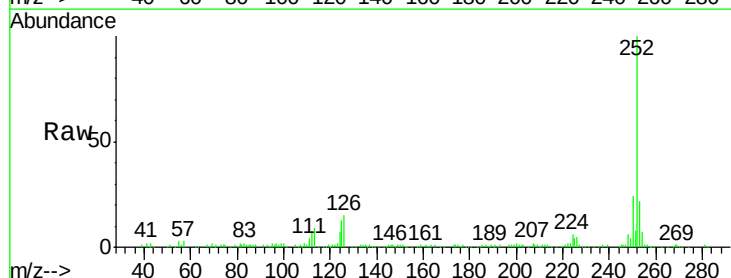


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

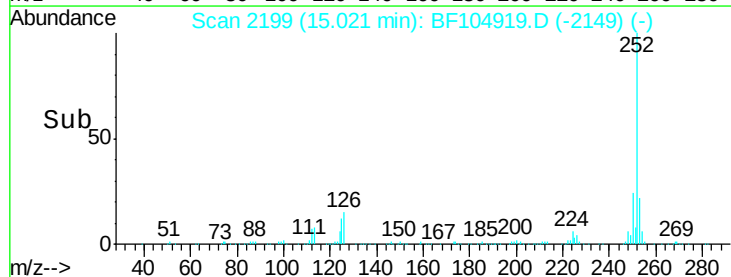
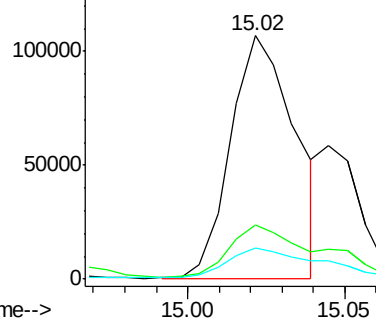


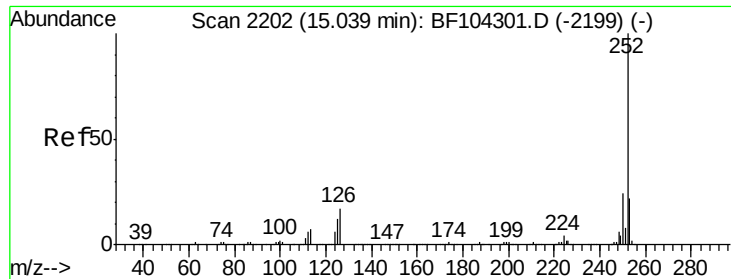
#87
Benzo(b)fluoranthene
Concen: 16.296 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	12.6	9.0	13.6



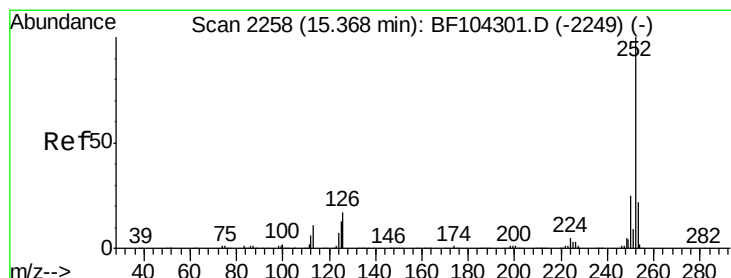
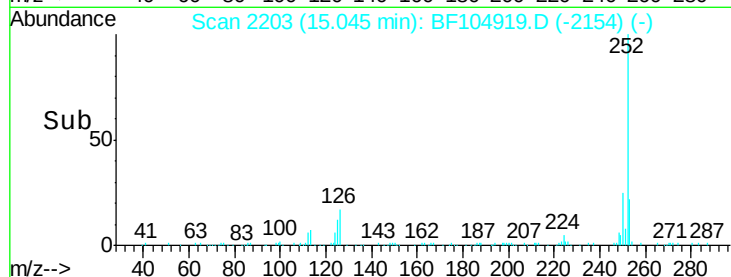
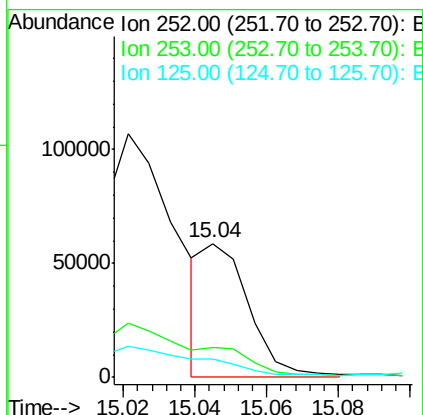
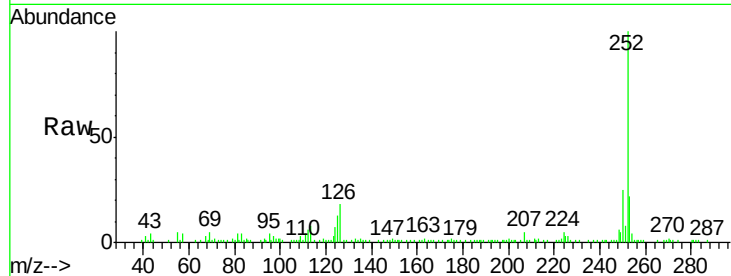
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





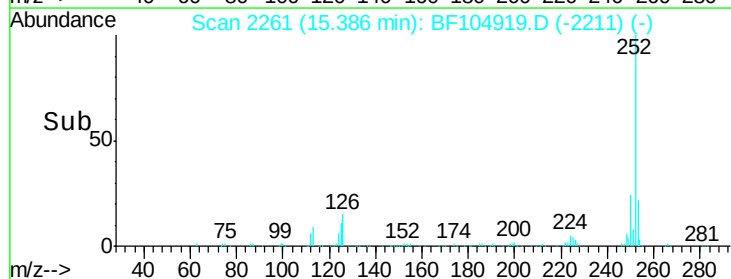
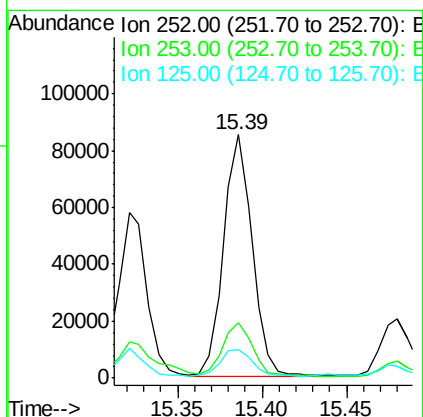
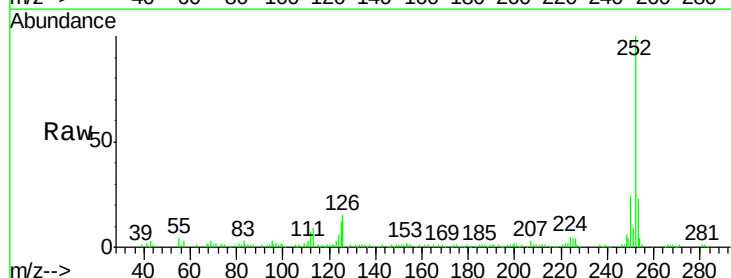
#88
Benzo(k)fluoranthene
Concen: 5.856 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

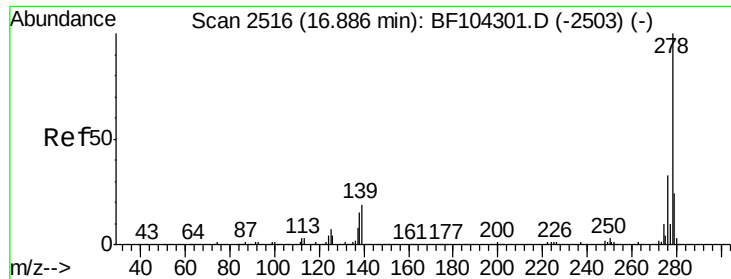
Tot Ion:252 Resp: 52094
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 13.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 12.068 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

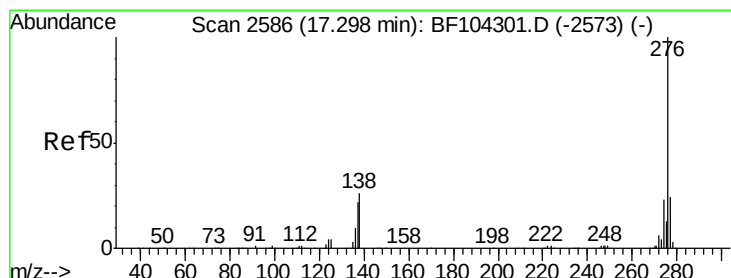
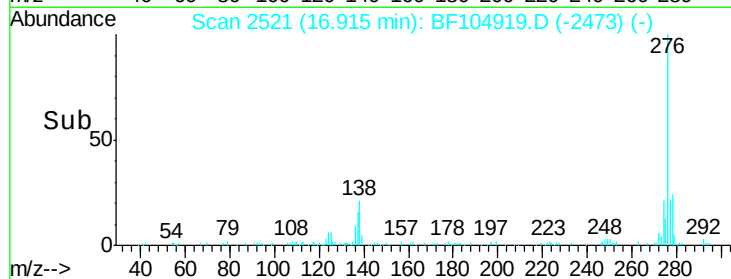
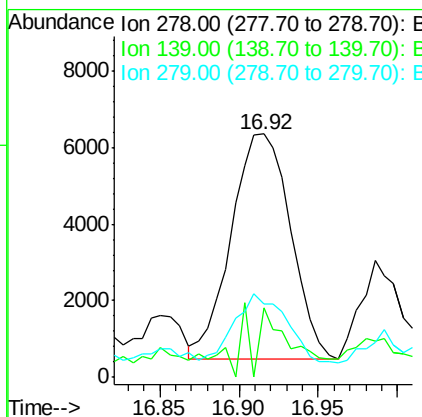
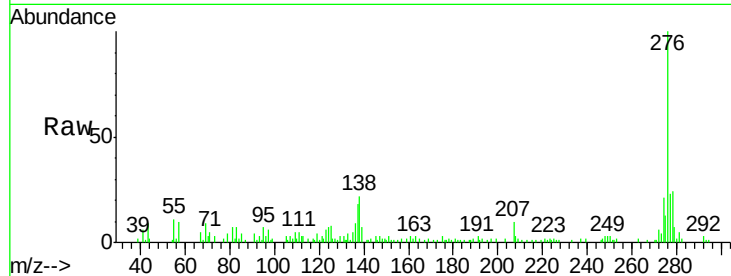
Tgt Ion:252 Resp: 101750
Ion Ratio Lower Upper
252 100
253 22.9 17.1 25.7
125 11.9 9.8 14.6





#90
Dibenzo(a,h)anthracene
Concen: 2.210 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.02 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.7	15.9	23.9#
279	30.1	19.0	28.4#



#91
Benzo(g,h,i)perylene
Concen: 7.882 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.01 min
Lab File: BF104919.D
Acq: 28 Apr 2018 9:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	22.6	21.8	32.8

