

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104912.D
 Acq On : 28 Apr 2018 6:08
 Operator : JU/SJ
 Sample : J2520-09
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

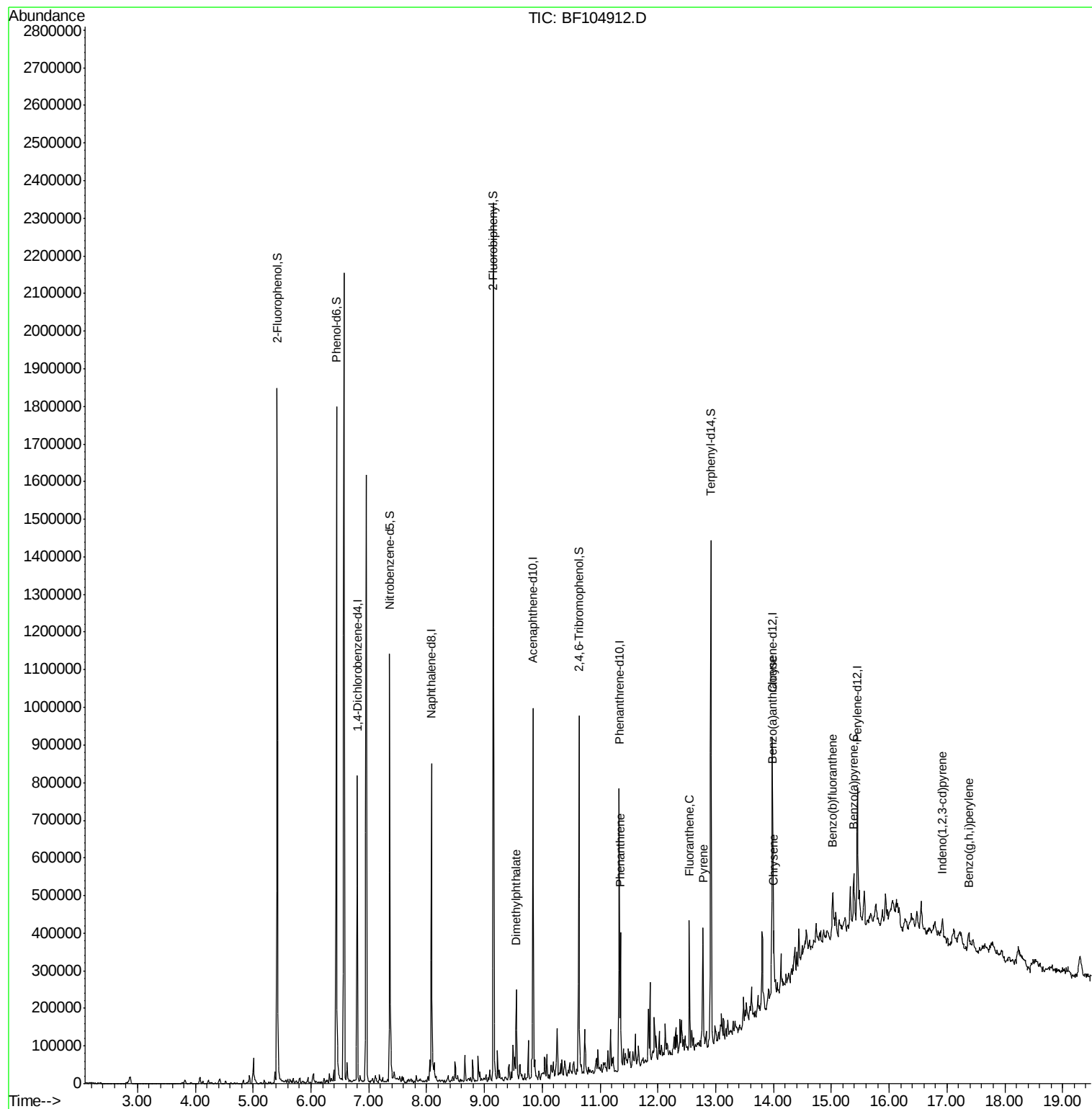
Quant Time: Apr 28 06:54:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

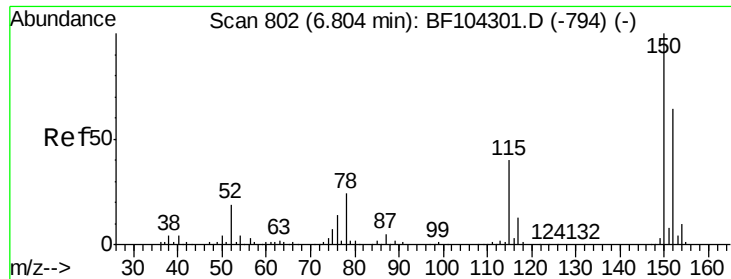
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111276	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	435356	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	184391	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	279737	20.00	ng	0.00
75) Chrysene-d12	13.98	240	209913	20.00	ng	0.00
86) Perylene-d12	15.46	264	147663	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	568160	78.07	ng	0.00
7) Phenol-d6	6.44	99	688127	76.96	ng	0.00
23) Nitrobenzene-d5	7.36	82	418674	62.80	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	120926	63.22	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	685494	58.73	ng	0.00
78) Terphenyl-d14	12.92	244	412874	44.84	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	77583	5.336	ng	98
70) Phenanthrene	11.35	178	135832	8.719	ng	99
74) Fluoranthene	12.55	202	120536	7.406	ng	99
77) Pyrene	12.78	202	106846	6.867	ng	99
80) Benzo(a)anthracene	13.97	228	51597	4.114	ng	# 94
82) Chrysene	14.00	228	72423m	5.622	ng	
85) Indeno(1,2,3-cd)pyrene	16.92	276	34853	3.185	ng	96
87) Benzo(b)fluoranthene	15.02	252	75740m	8.121	ng	
89) Benzo(a)pyrene	15.39	252	52244	6.261	ng	# 89
91) Benzo(g,h,i)perylene	17.37	276	42805	6.447	ng	# 94

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

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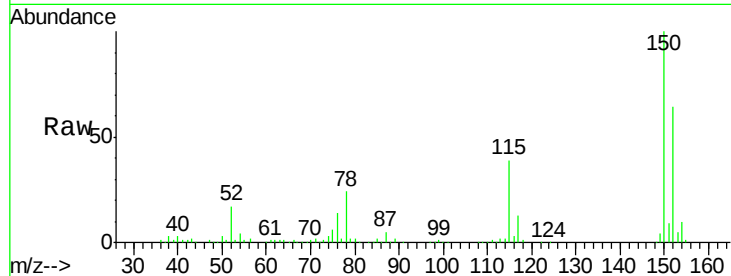




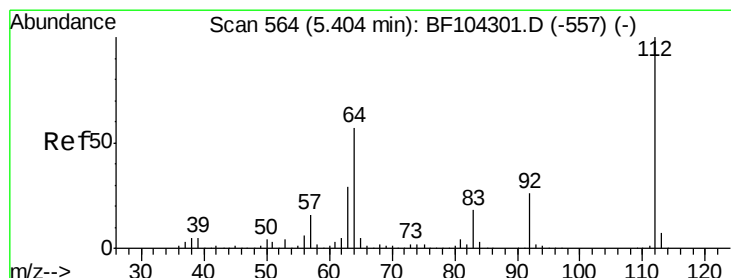
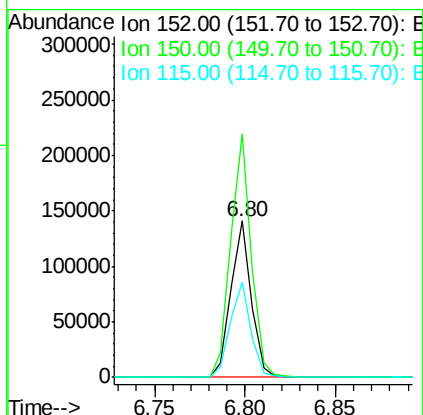
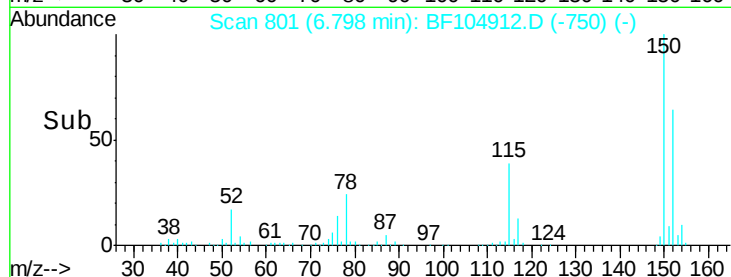
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion:152 Resp: 111276
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 60.6 50.1 75.1



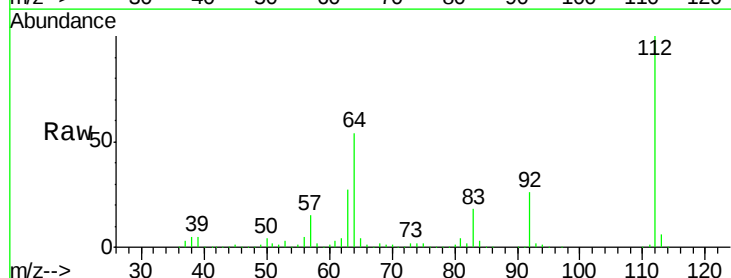
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



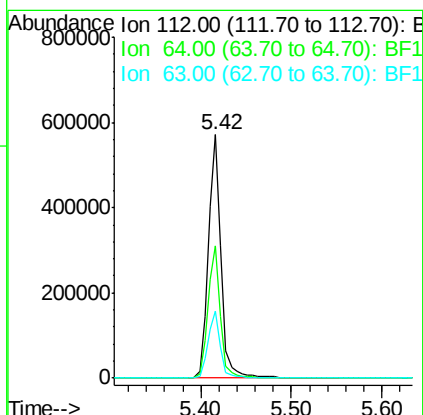
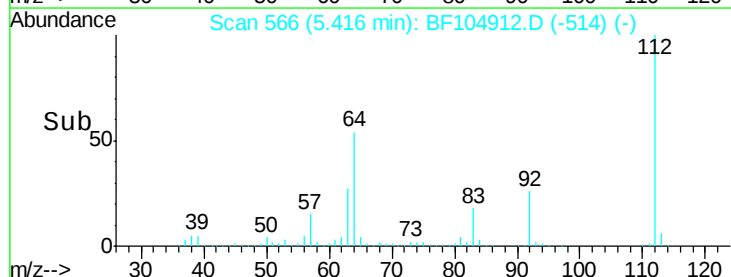
#5

2-Fluorophenol
Concen: 78.071 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion:112 Resp: 568160
Ion Ratio Lower Upper
112 100
64 54.1 47.9 71.9
63 27.4 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 76.958 ng

RT: 6.44 min Scan# 740

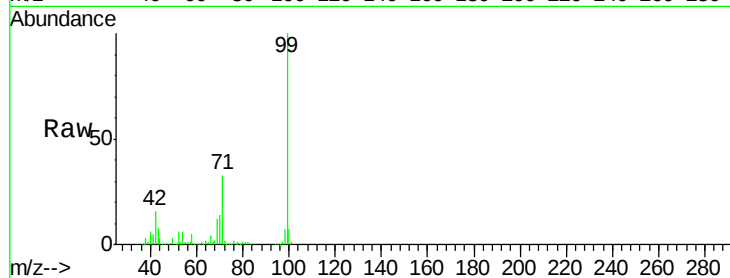
Delta R.T. -0.01 min

Lab File: BF104912.D

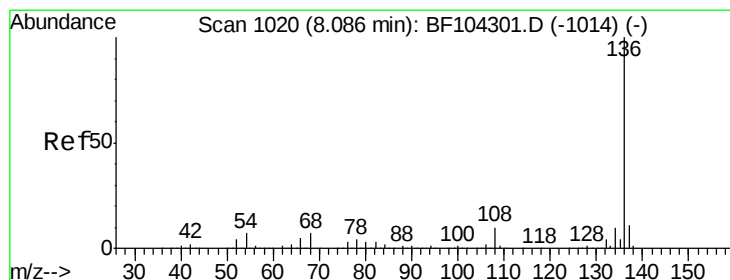
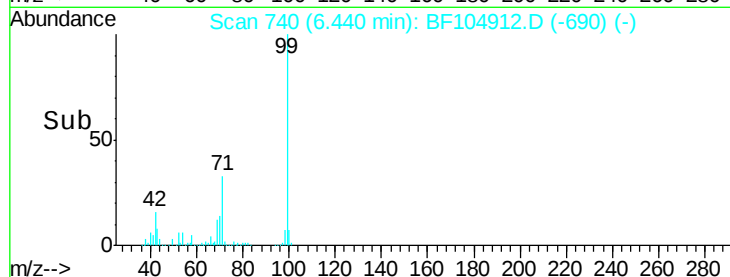
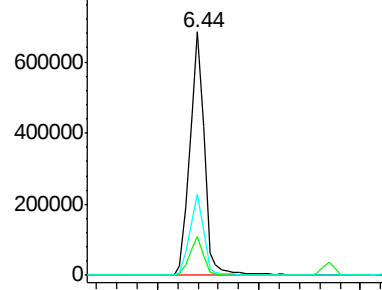
Acq: 28 Apr 2018 6:08

Tot Ion: 99 Resp: 688127

Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.5	21.7
71	33.4	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

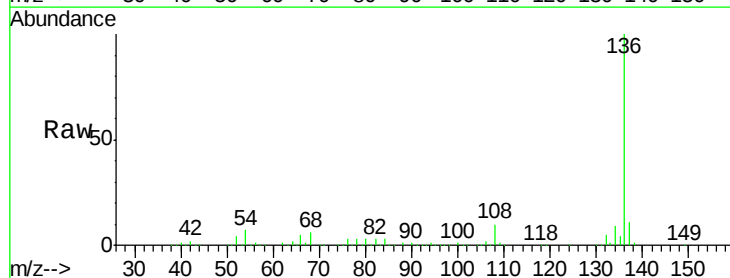
Delta R.T. -0.01 min

Lab File: BF104912.D

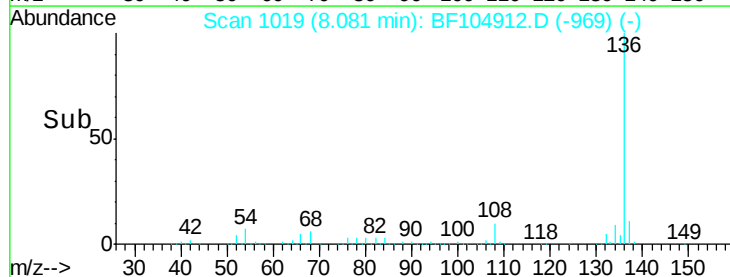
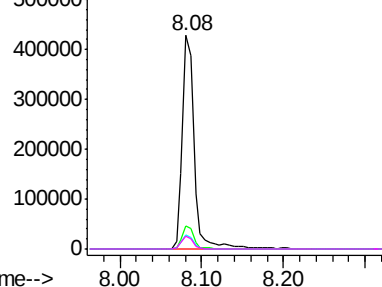
Acq: 28 Apr 2018 6:08

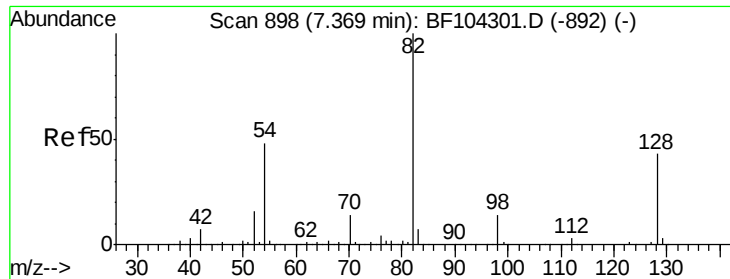
Tgt Ion: 136 Resp: 435356

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.6	6.6	9.8
68	6.0	5.0	7.4



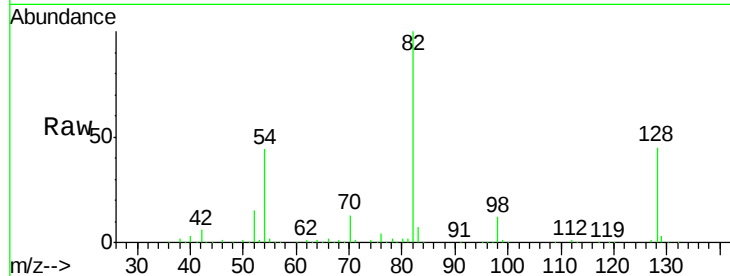
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



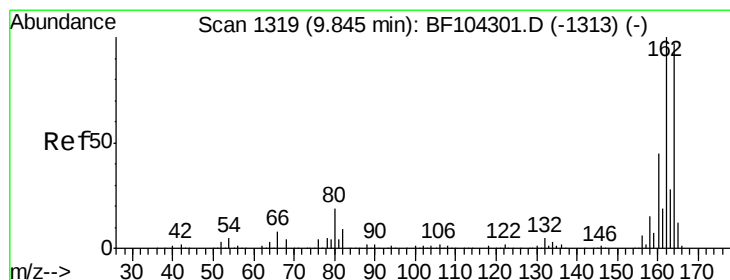
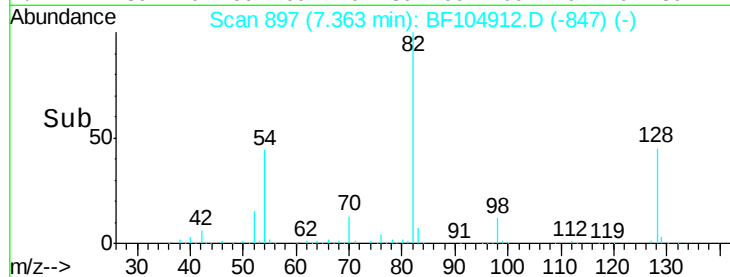
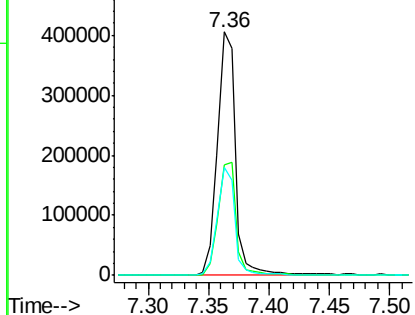


#23
 Nitrobenzene-d5
 Concen: 62.796 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tot Ion: 82 Resp: 418674
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.1 54.1
 54 44.3 41.4 62.2

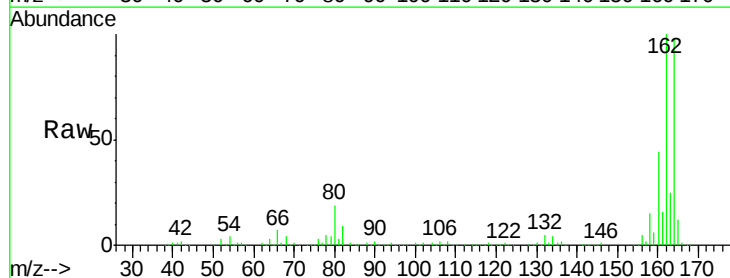


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

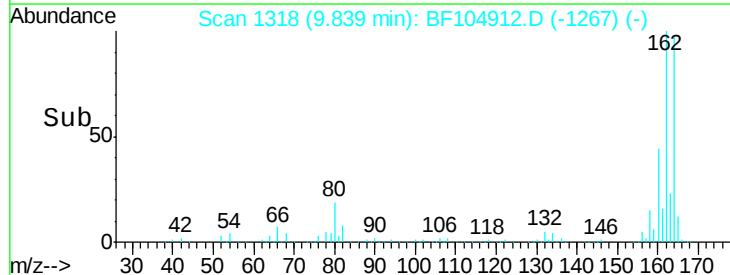
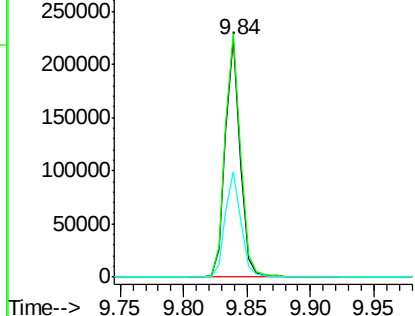


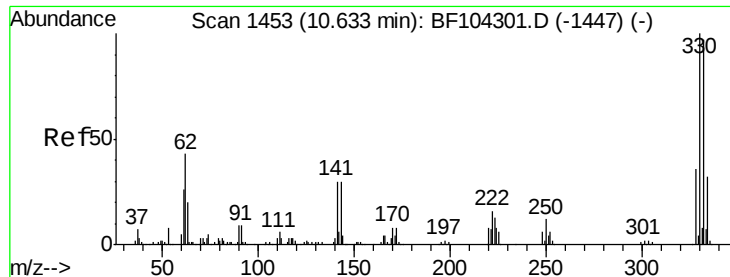
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tgt Ion:164 Resp: 184391
 Ion Ratio Lower Upper
 164 100
 162 102.3 86.1 129.1
 160 44.5 38.3 57.5



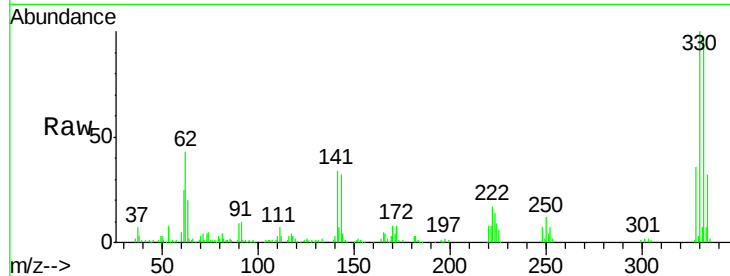
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



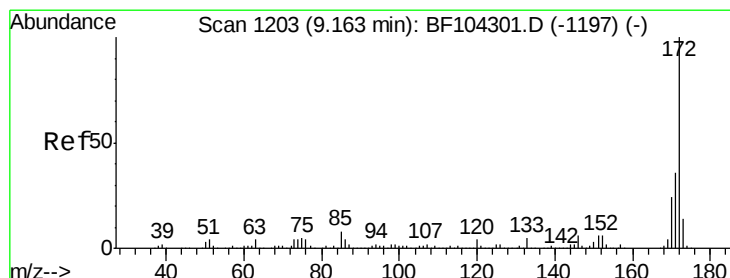
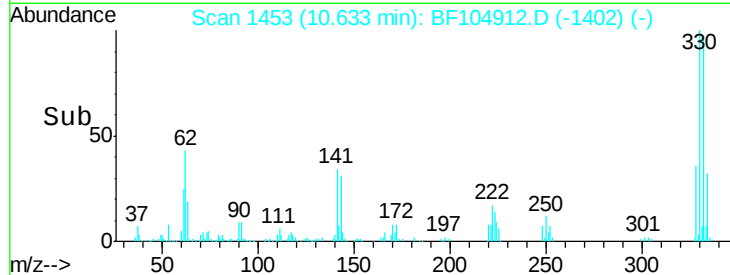
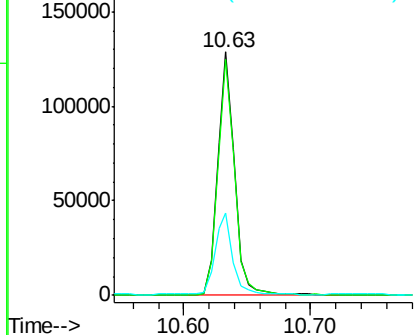


#41
 2,4,6-Tribromophenol
 Concen: 63.221 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	34.7	29.9	44.9

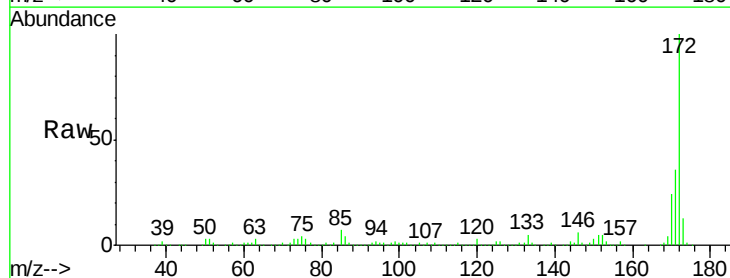


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

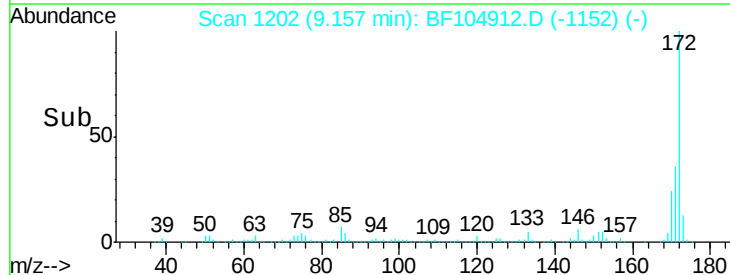
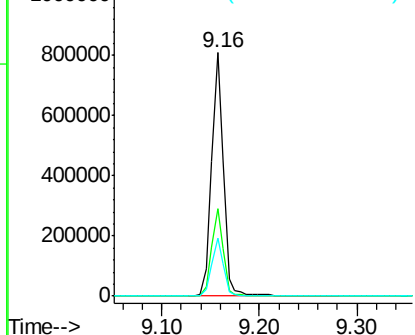


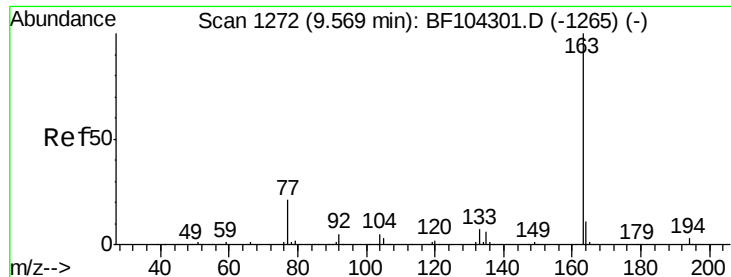
#44
 2-Fluorobiphenyl
 Concen: 58.729 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	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: 5.336 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104912.D

Acq: 28 Apr 2018 6:08

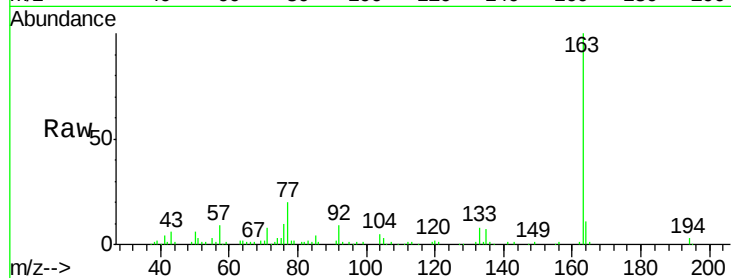
Tot Ion:163 Resp: 77583

Ion Ratio Lower Upper

163 100

194 3.2 2.7 4.1

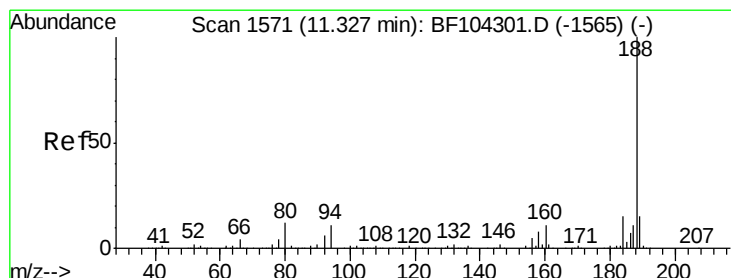
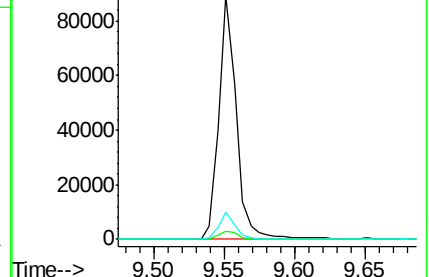
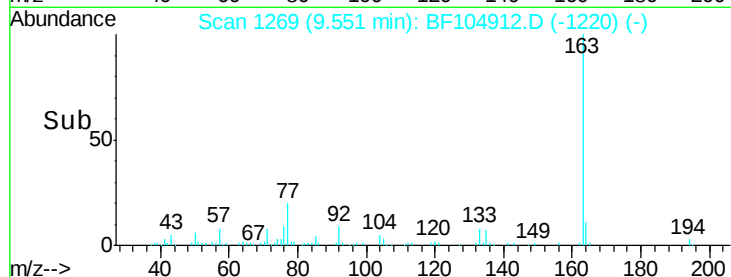
164 11.1 8.2 12.2



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: BF104912.D

Acq: 28 Apr 2018 6:08

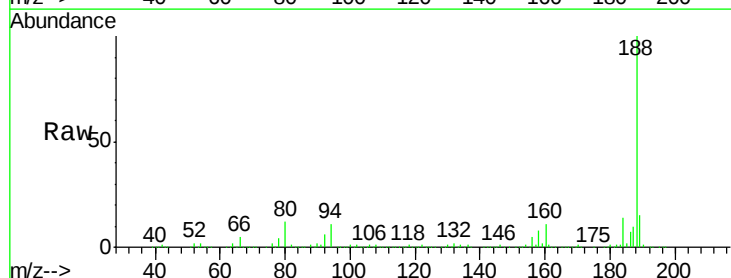
Tgt Ion:188 Resp: 279737

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

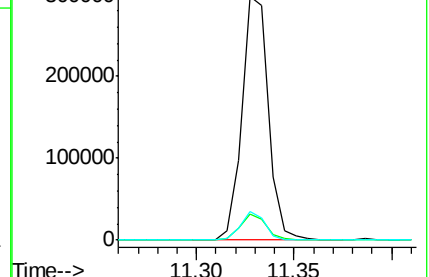
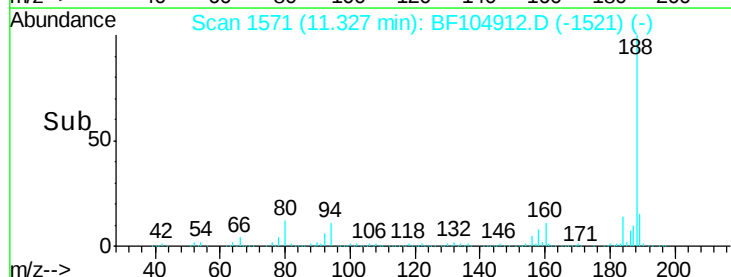
80 11.9 9.2 13.8

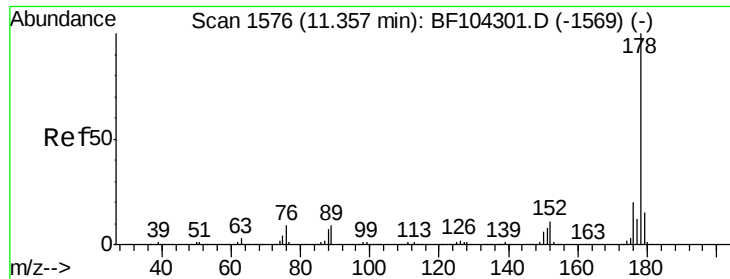


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

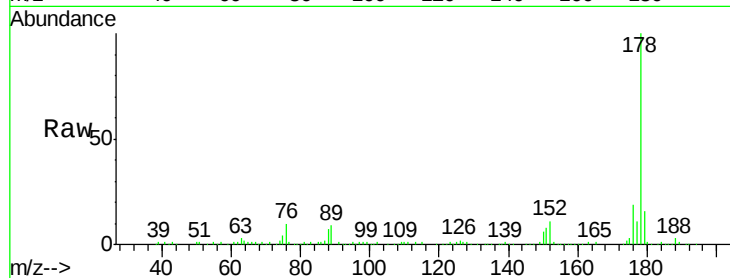
Ion 80.00 (79.70 to 80.70): BF1



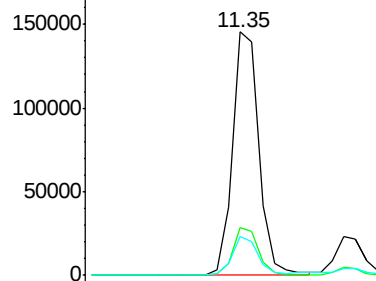


#70
 Phenanthrene
 Concen: 8.719 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

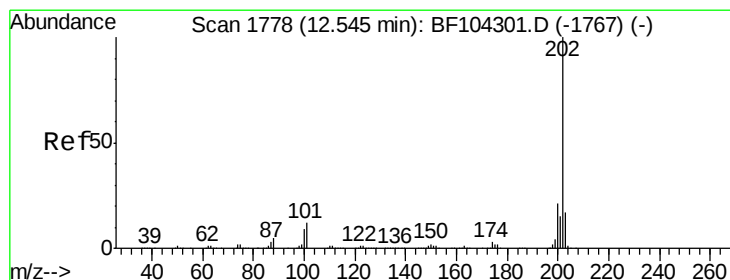
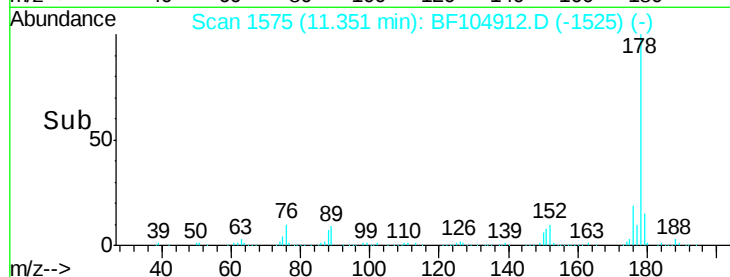
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6



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

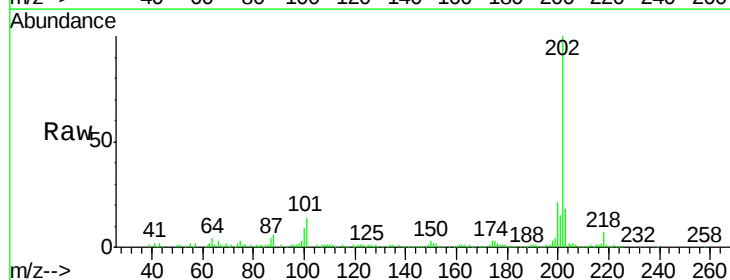


Time-->

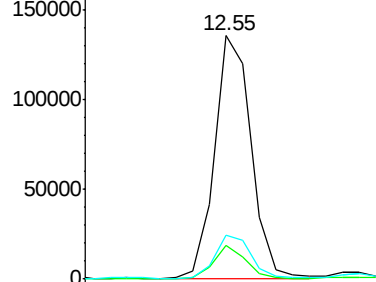


#74
 Fluoranthene
 Concen: 7.406 ng
 RT: 12.55 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

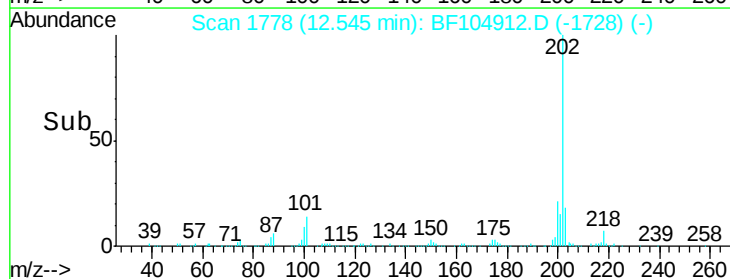
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	17.9	0.0	38.1

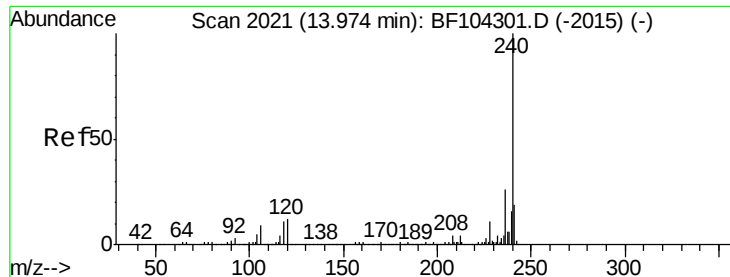


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E



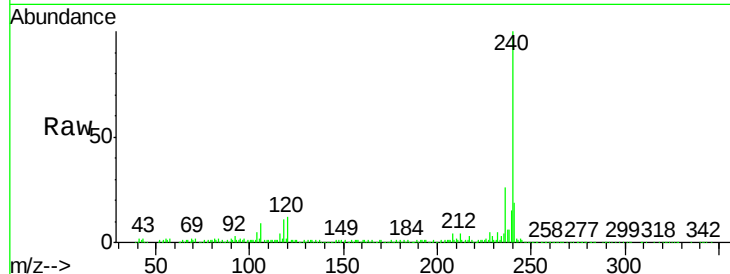
Time-->



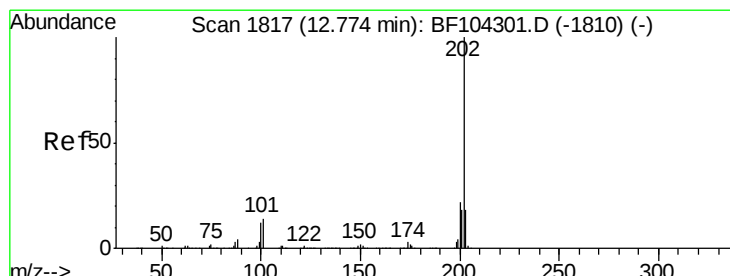
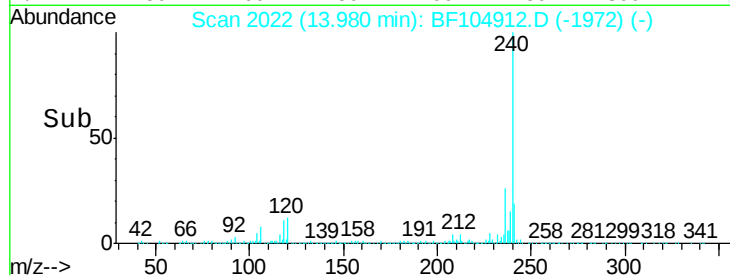
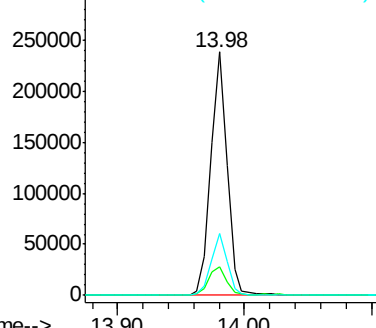


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.5	14.3
236	25.6	20.7	31.1

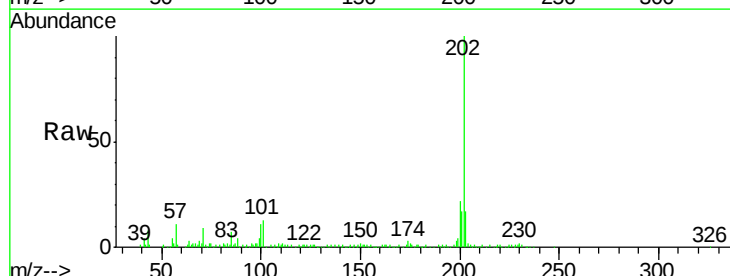


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

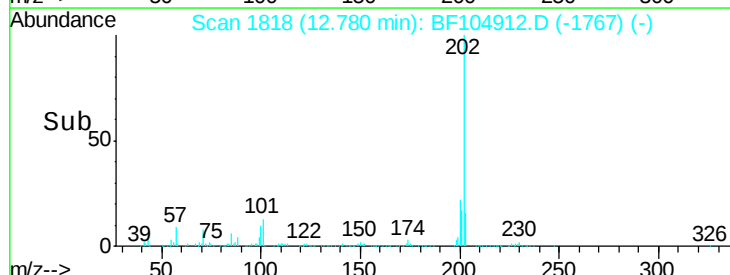
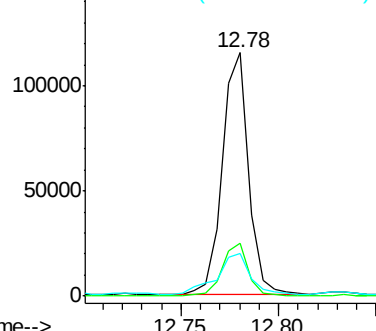


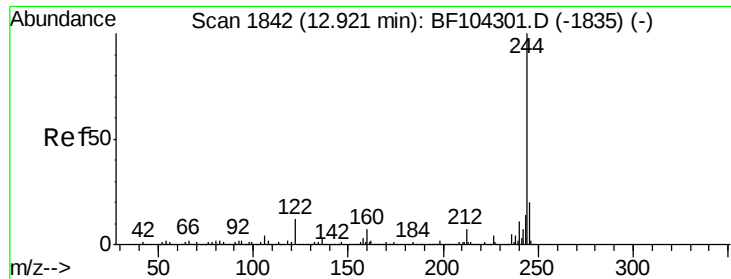
#77
Pyrene
Concen: 6.867 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.4	14.3	21.5



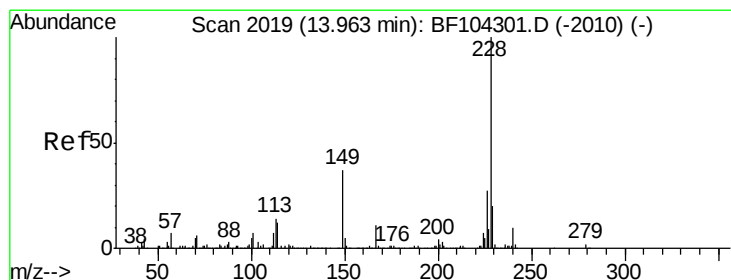
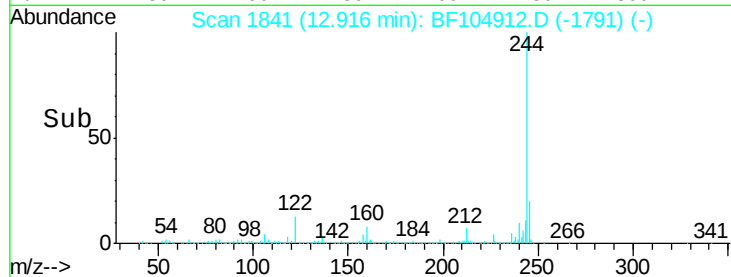
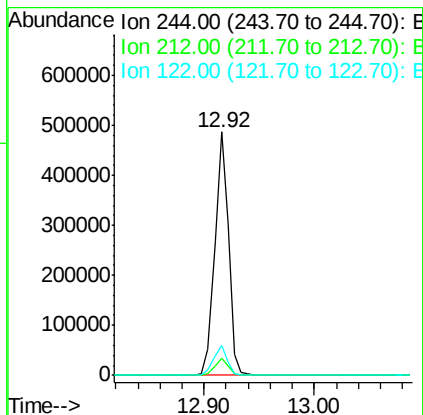
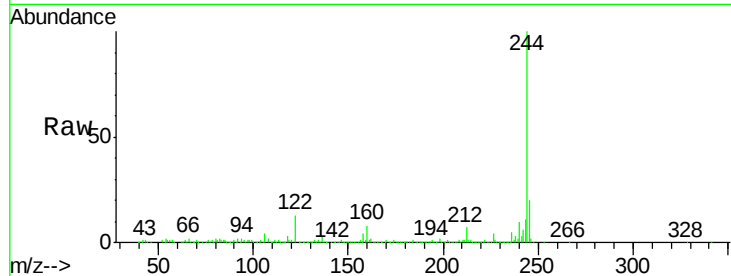
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





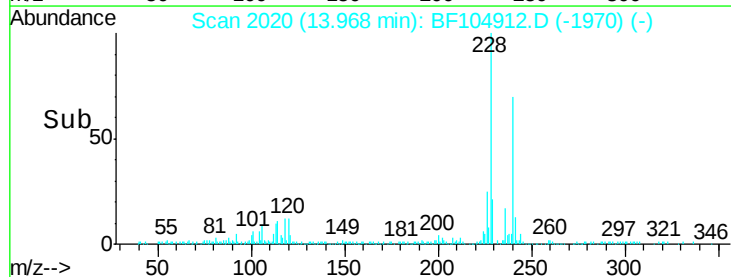
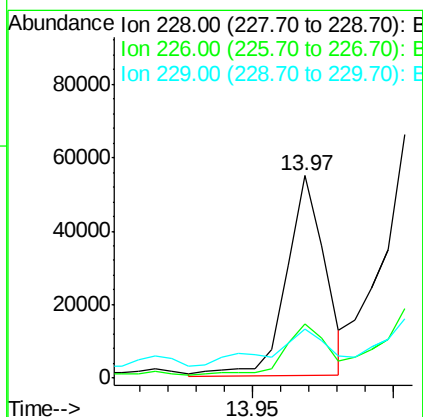
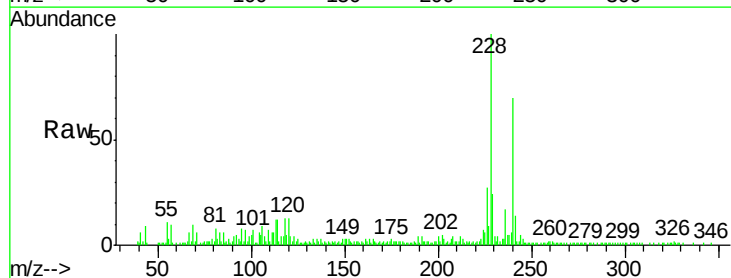
#78
 Terphenyl-d14
 Concen: 44.842 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

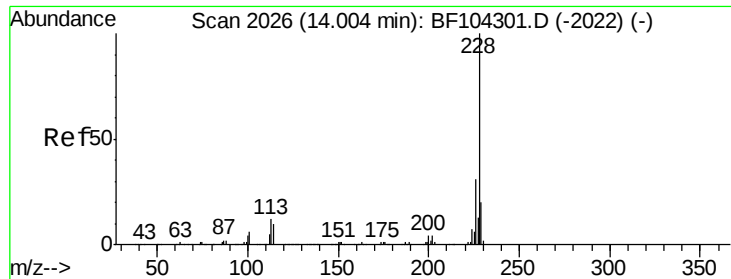
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.5	11.0	16.4



#80
 Benzo(a)anthracene
 Concen: 4.114 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104912.D
 Acq: 28 Apr 2018 6:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	33.8
229	24.4	15.8	23.6



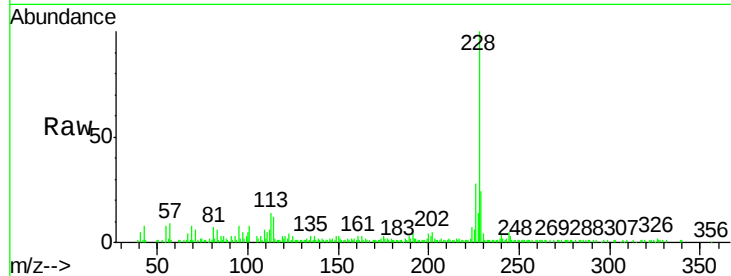


#82

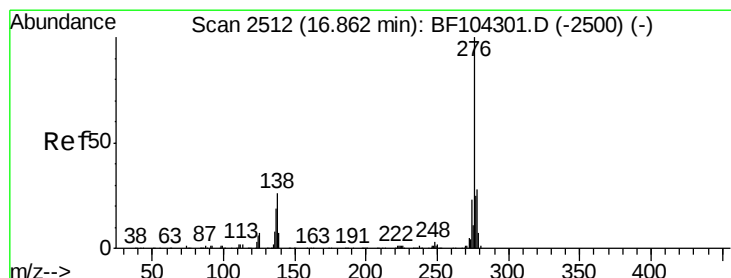
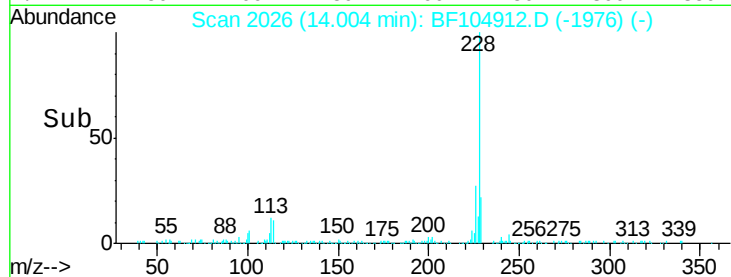
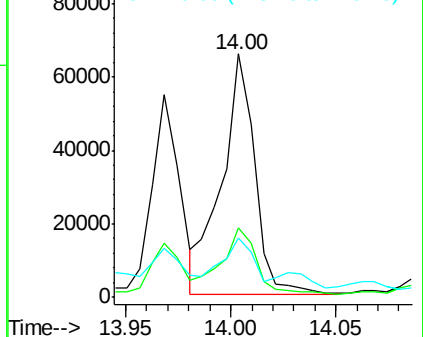
Chrysene

Concen: 5.622 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion:228 Resp: 72423
Ion Ratio Lower Upper
228 100
226 28.5 25.0 37.6
229 24.2 16.2 24.4



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

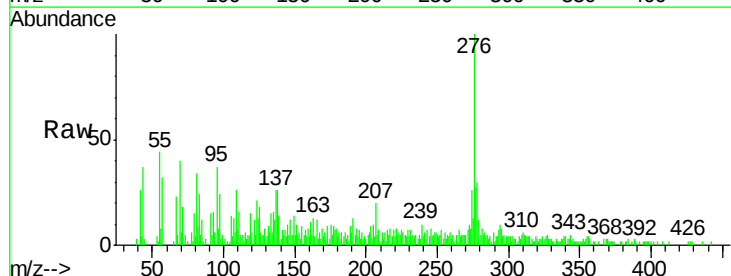


#85

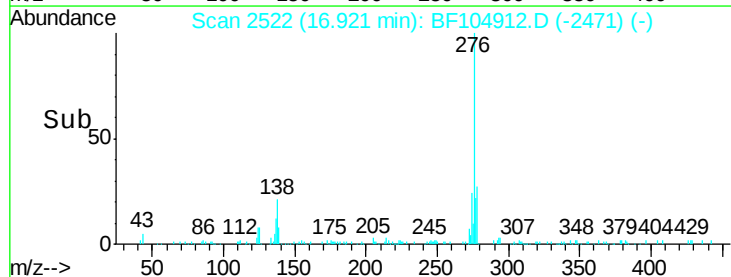
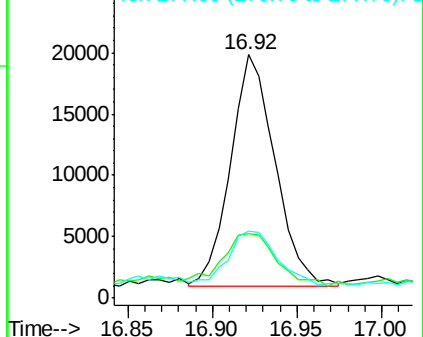
Indeno(1,2,3-cd)pyrene

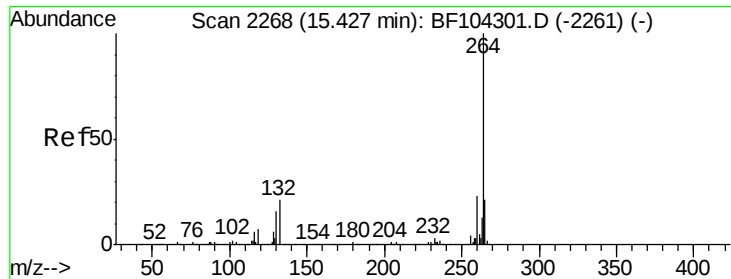
Concen: 3.185 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.00 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion:276 Resp: 34853
Ion Ratio Lower Upper
276 100
138 27.9 25.0 37.6
277 24.4 20.1 30.1



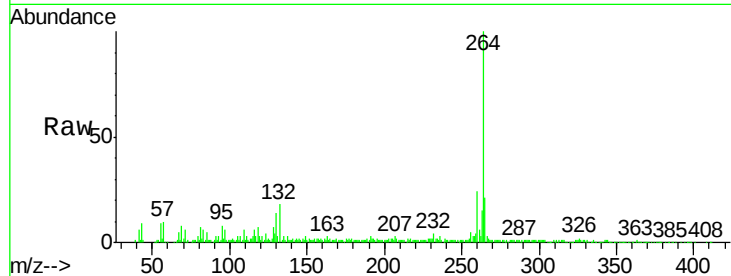
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



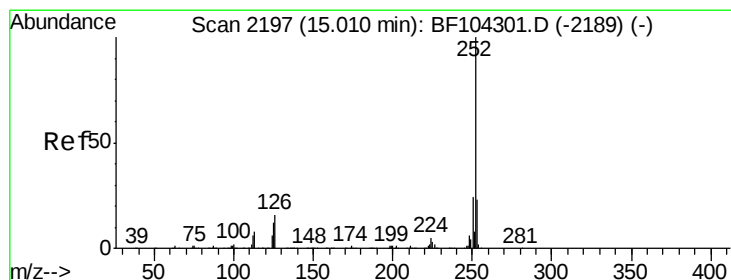
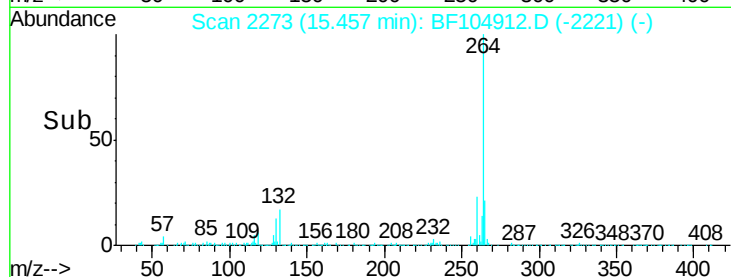
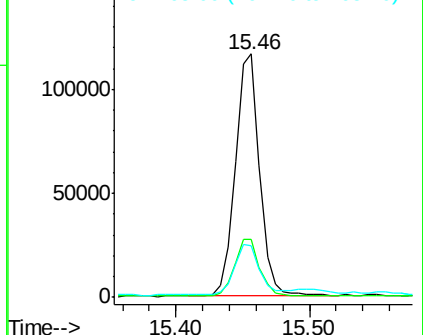


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion: 264 Resp: 147663
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.4 17.5 26.3

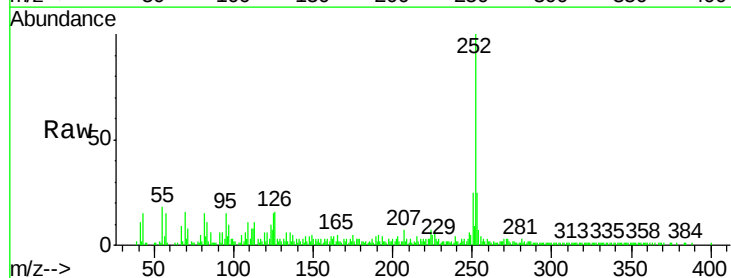


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

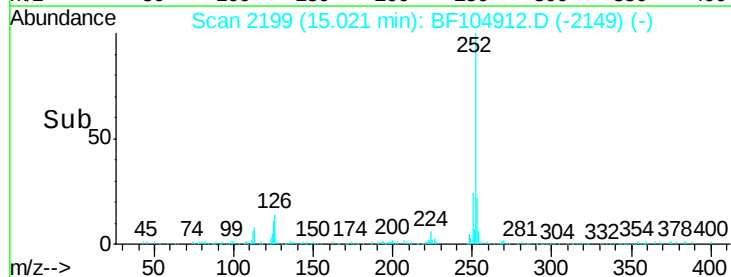
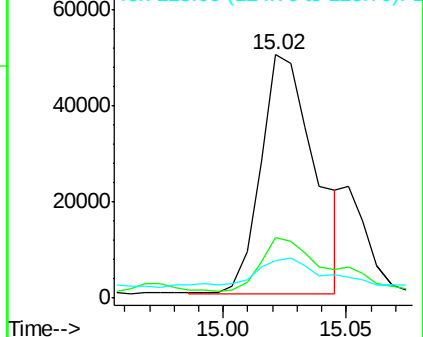


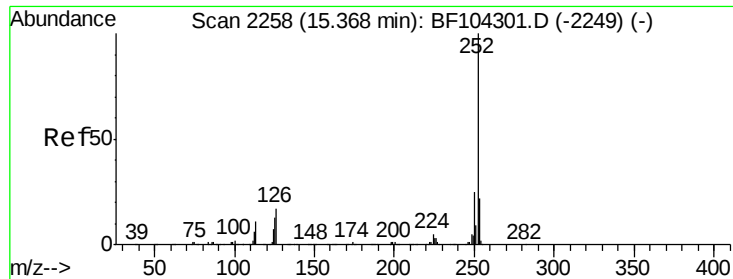
#87
Benzo(b)fluoranthene
Concen: 8.121 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion: 252 Resp: 75740
Ion Ratio Lower Upper
252 100
253 24.8 17.0 25.6
125 15.5 9.0 13.6#



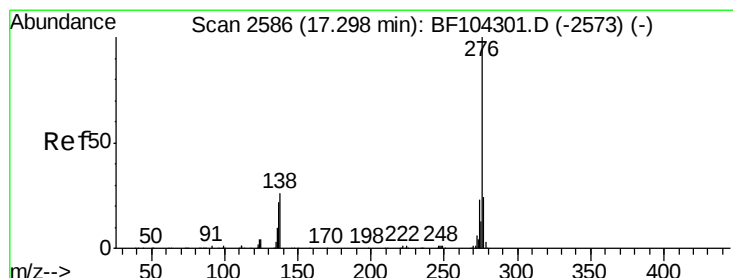
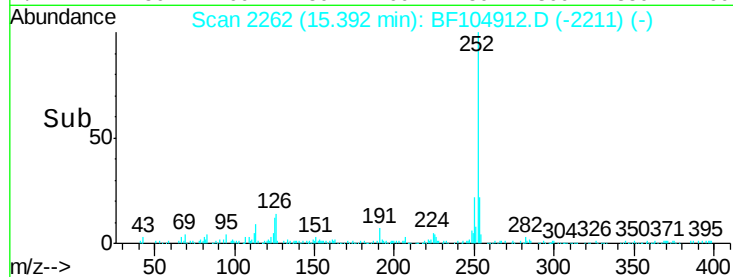
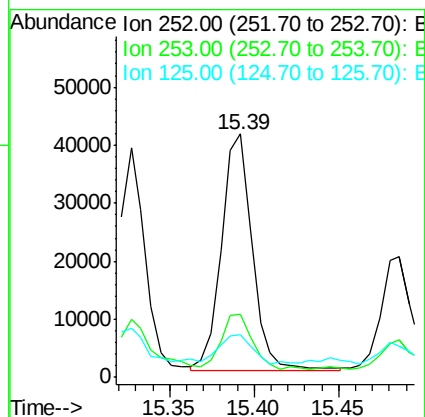
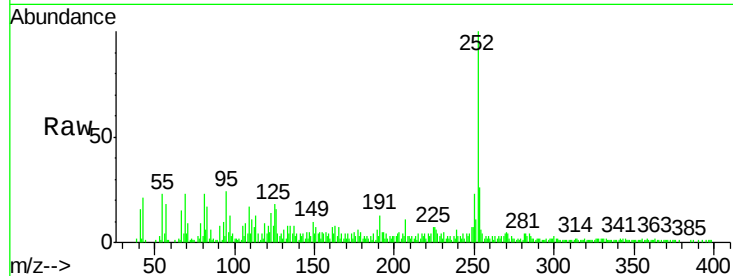
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89
Benzo(a)pyrene
Concen: 6.261 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tot Ion:252 Resp: 52244
Ion Ratio Lower Upper
252 100
253 25.8 17.1 25.7#
125 17.5 9.8 14.6#



#91
Benzo(g,h,i)perylene
Concen: 6.447 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BF104912.D
Acq: 28 Apr 2018 6:08

Tgt Ion:276 Resp: 42805
Ion Ratio Lower Upper
276 100
277 29.0 17.9 26.9#
138 27.2 21.8 32.8

