

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104901.D
 Acq On : 28 Apr 2018 00:13
 Operator : JU/SJ
 Sample : J2590-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Apr 28 03:32:53 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	106620	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	430127	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	184192	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	294008	20.00	ng	0.00
75) Chrysene-d12	13.98	240	215651	20.00	ng	0.00
86) Perylene-d12	15.44	264	168803	20.00	ng	0.00

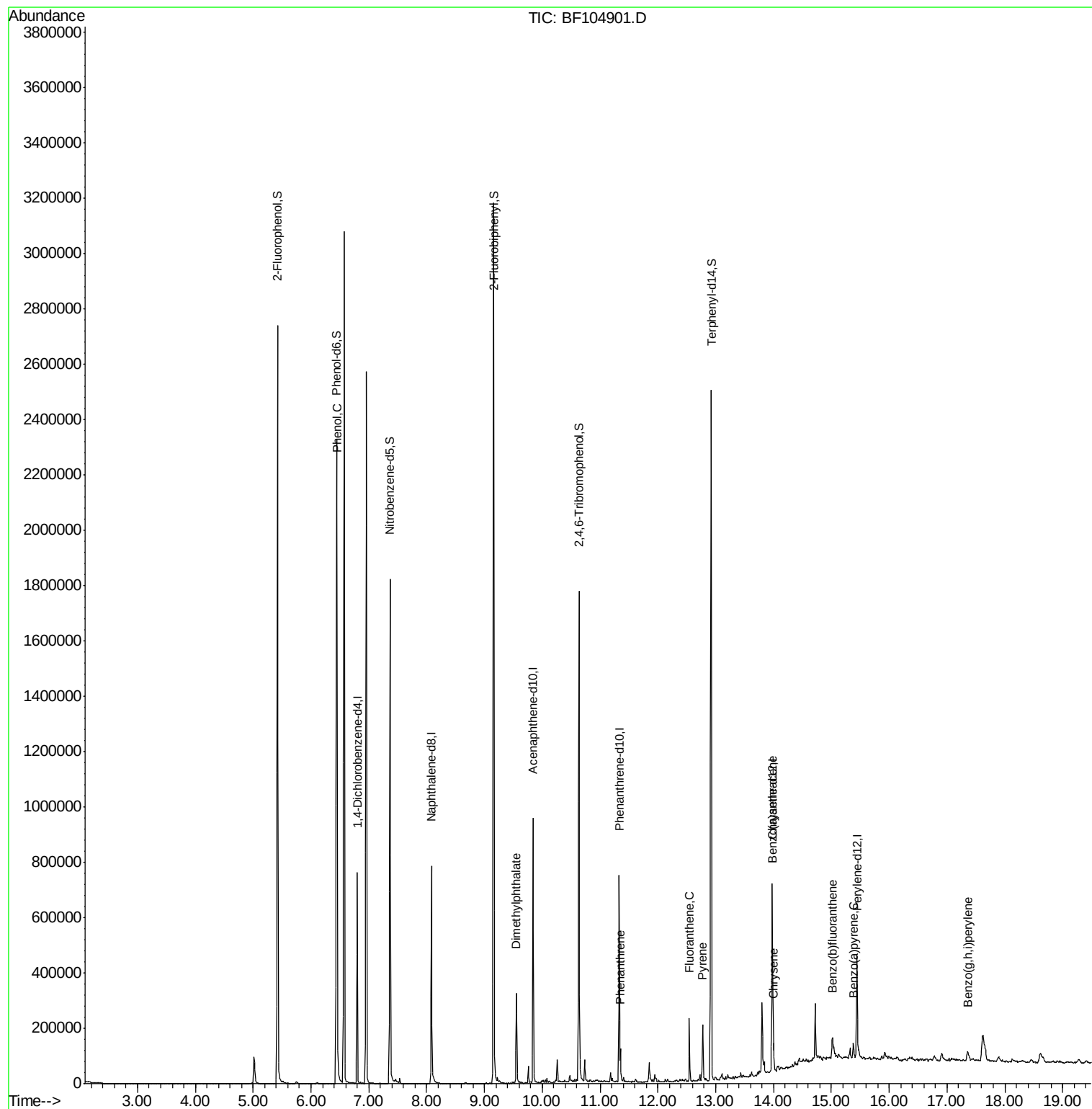
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	865768	124.16	ng	0.01
7) Phenol-d6	6.45	99	1082803	126.39	ng	0.00
23) Nitrobenzene-d5	7.37	82	650717	98.79	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	242529	126.93	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1118834	95.96	ng	0.00
78) Terphenyl-d14	12.92	244	879933	93.03	ng	0.00

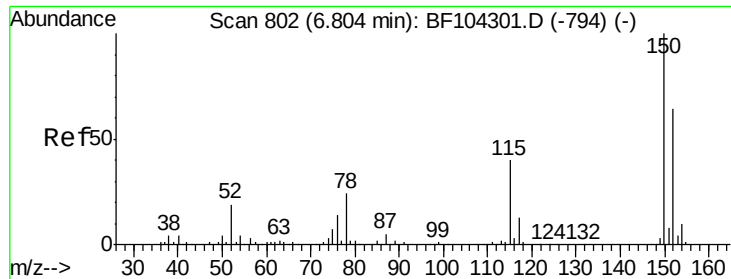
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	20306	2.234	ng	88
49) Dimethylphthalate	9.55	163	142642	9.820	ng	99
70) Phenanthrene	11.35	178	38290	2.339	ng	98
74) Fluoranthene	12.55	202	88274	5.160	ng	98
77) Pyrene	12.77	202	87721	5.488	ng	98
80) Benzo(a)anthracene	13.97	228	39066	3.032	ng	97
82) Chrysene	14.00	228	33424	2.526	ng	98
87) Benzo(b)fluoranthene	15.02	252	40487m	3.798	ng	
89) Benzo(a)pyrene	15.38	252	26819	2.811	ng	# 93
91) Benzo(g,h,i)perylene	17.35	276	15297	2.015	ng	97

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

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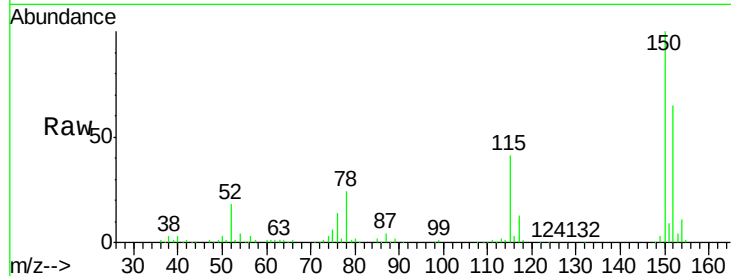




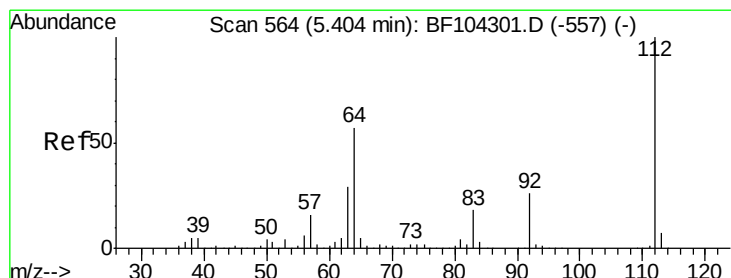
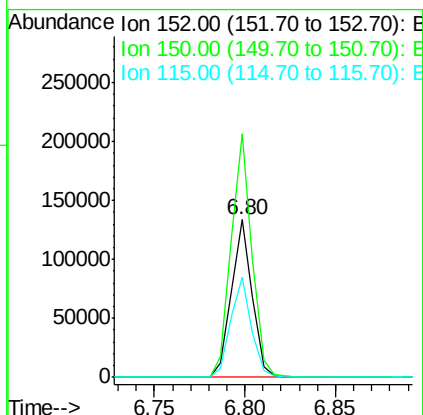
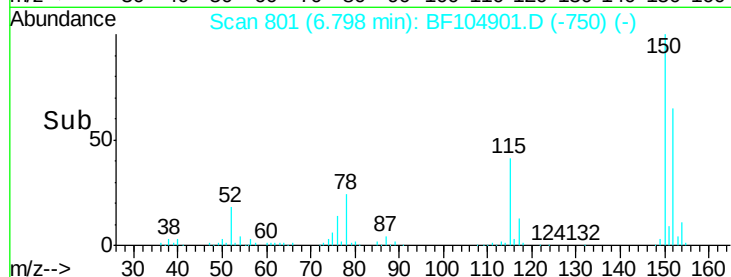
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	63.7	50.1	75.1



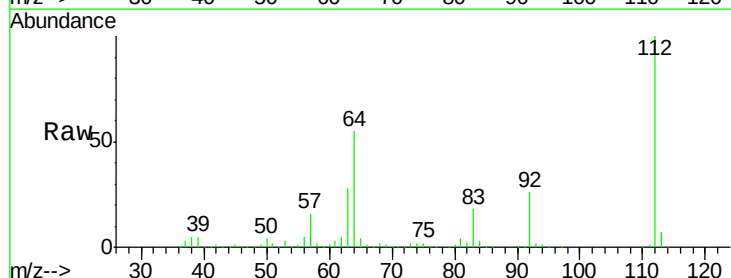
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



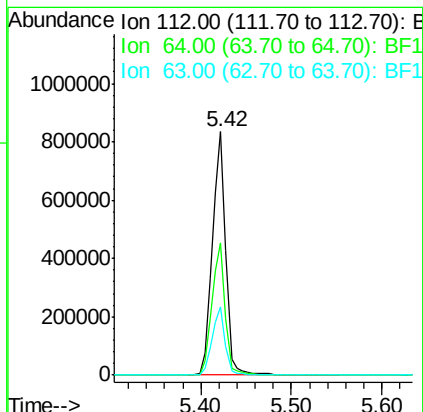
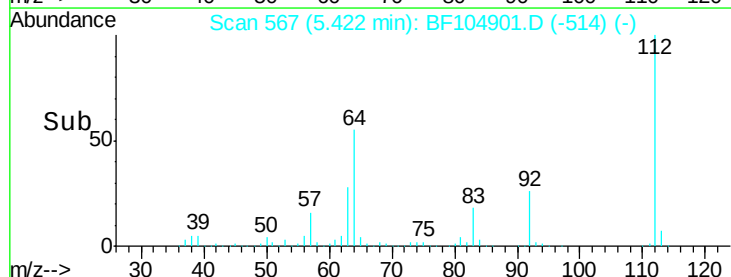
#5

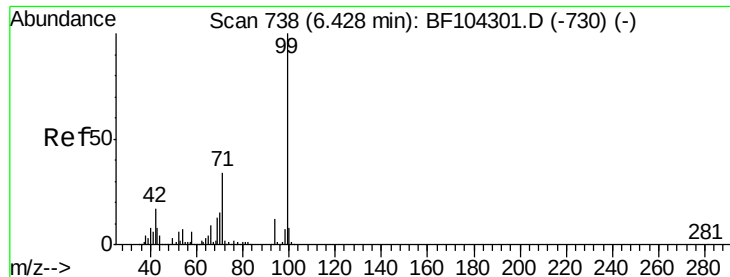
2-Fluorophenol
Concen: 124.161 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	28.2	23.7	35.5



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





#7

Phenol-d6

Concen: 126.385 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104901.D

Acq: 28 Apr 2018 00:13

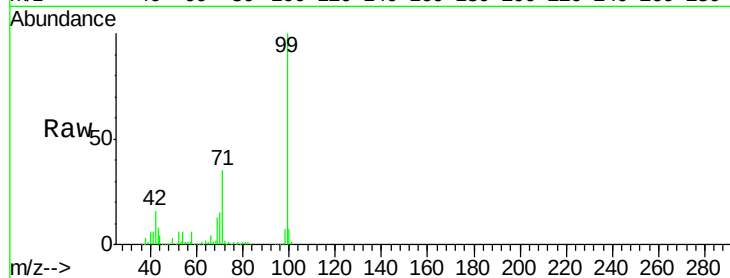
Tot Ion: 99 Resp: 1082803

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	35.0	25.4	38.0

99 100

42 16.1 14.5 21.7

71 35.0 25.4 38.0

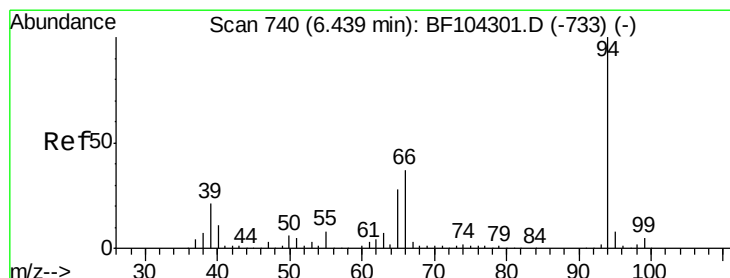
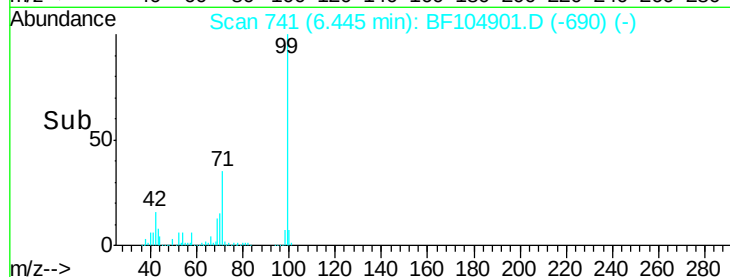
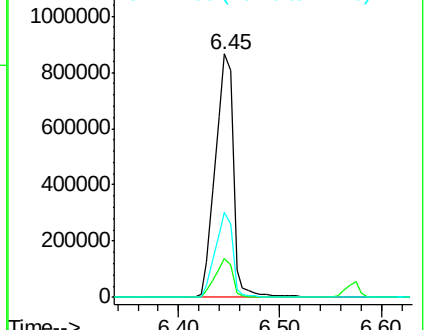


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.234 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF104901.D

Acq: 28 Apr 2018 00:13

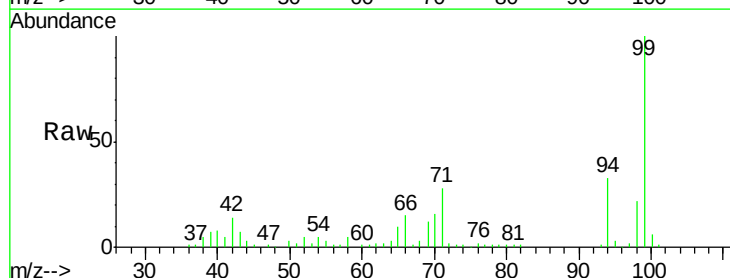
Tgt Ion: 94 Resp: 20306

Ion	Ratio	Lower	Upper
94	100		
65	31.1	7.9	47.9
66	45.6	16.2	56.2

94 100

65 31.1 7.9 47.9

66 45.6 16.2 56.2

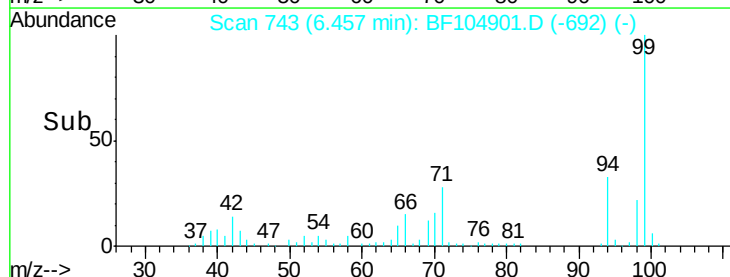
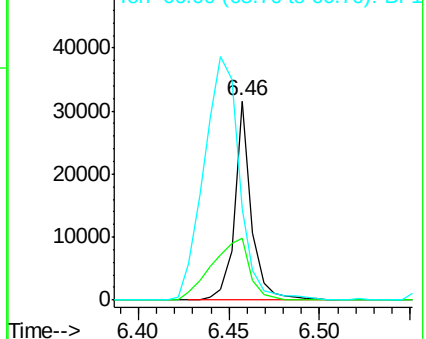


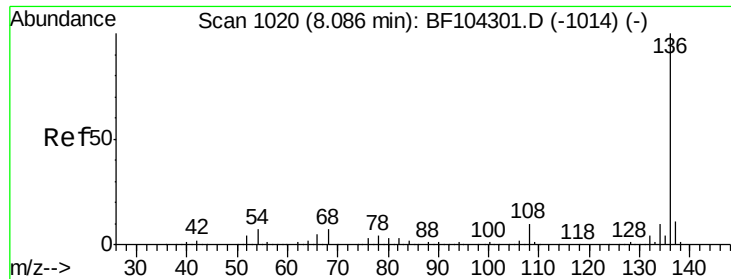
Abundance

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104901.D

Acq: 28 Apr 2018 00:13

Tot Ion:136 Resp: 430127

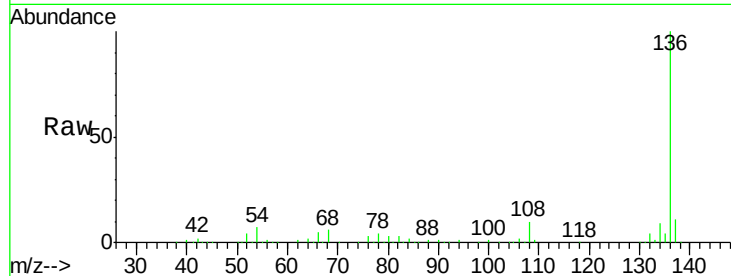
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.0 6.6 9.8

68 5.7 5.0 7.4

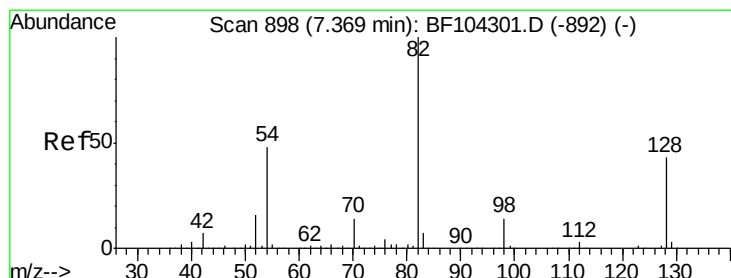
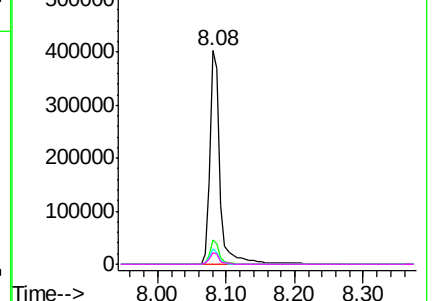
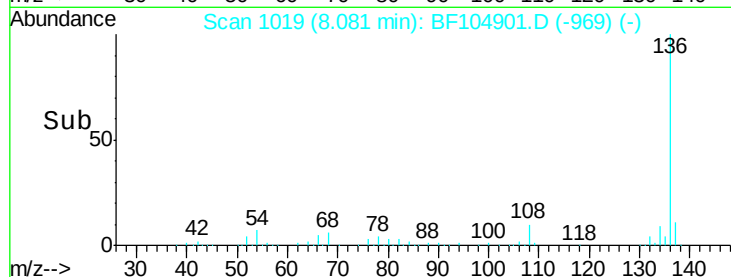


Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.786 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104901.D

Acq: 28 Apr 2018 00:13

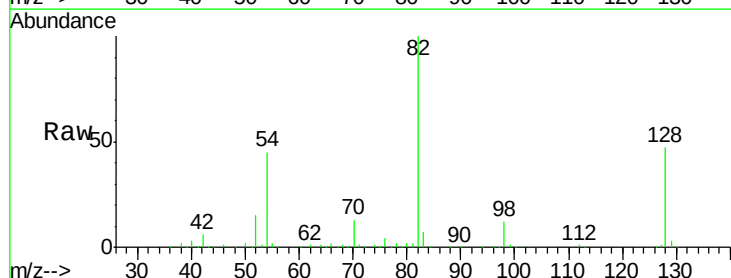
Tgt Ion: 82 Resp: 650717

Ion Ratio Lower Upper

82 100

128 47.2 36.1 54.1

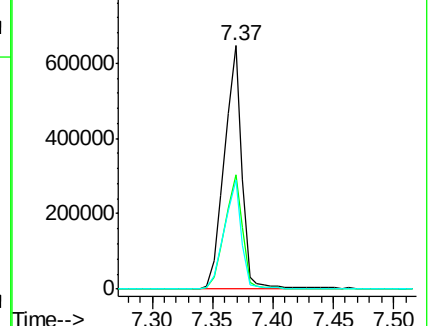
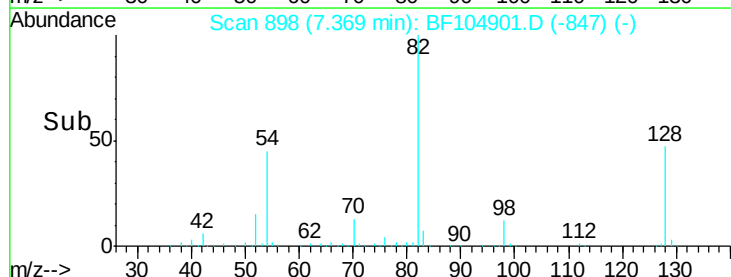
54 44.9 41.4 62.2

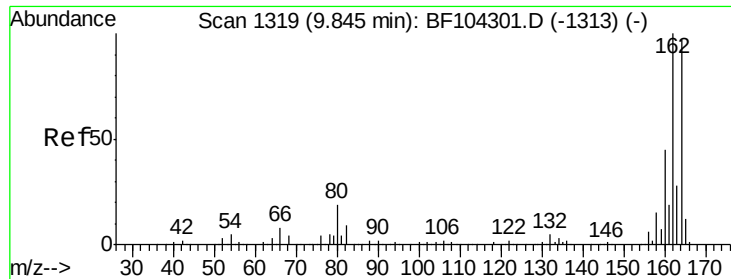


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

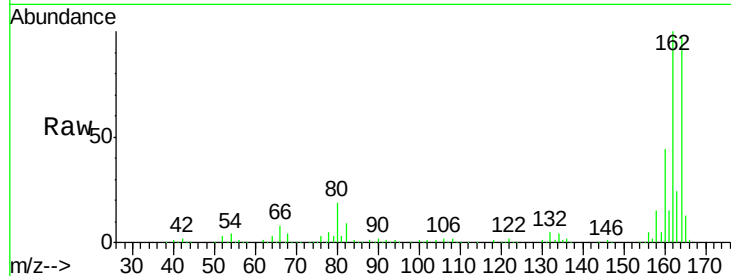
Ion 54.00 (53.70 to 54.70): BF1



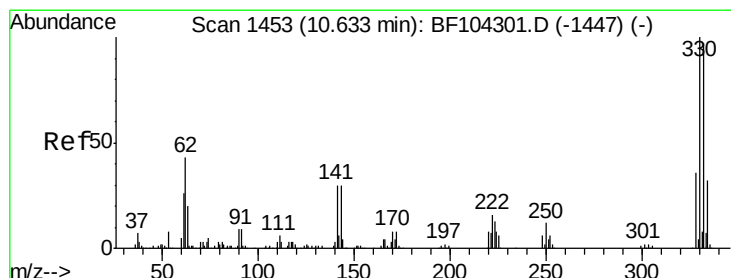
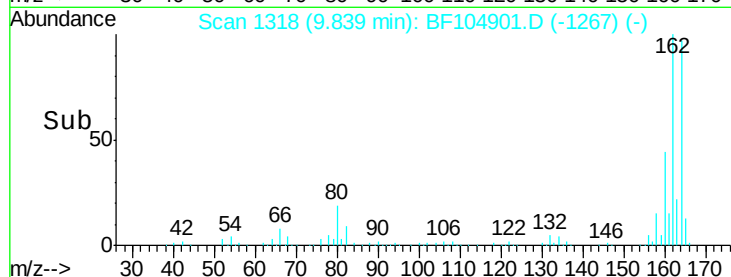
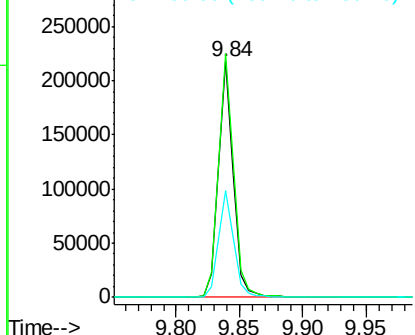


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF104901.D
 Acq: 28 Apr 2018 00:13

Tot Ion:164 Resp: 184192
 Ion Ratio Lower Upper
 164 100
 162 103.3 86.1 129.1
 160 45.2 38.3 57.5

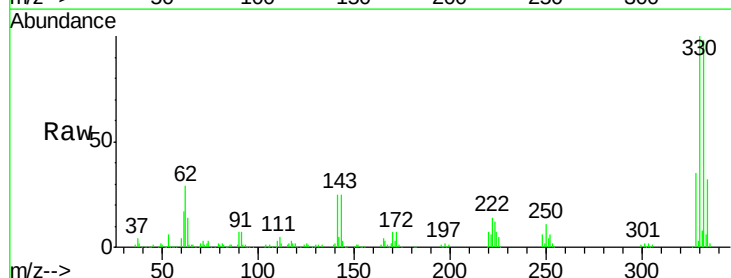


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

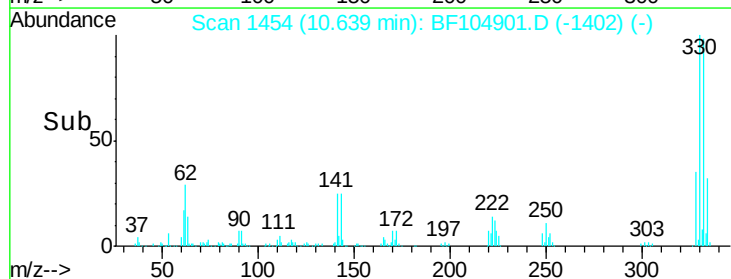
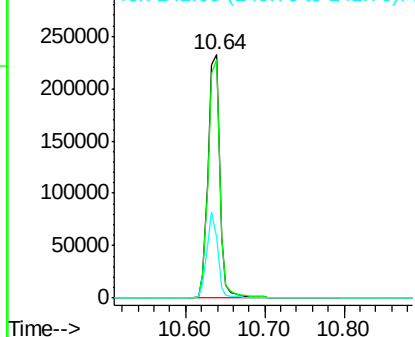


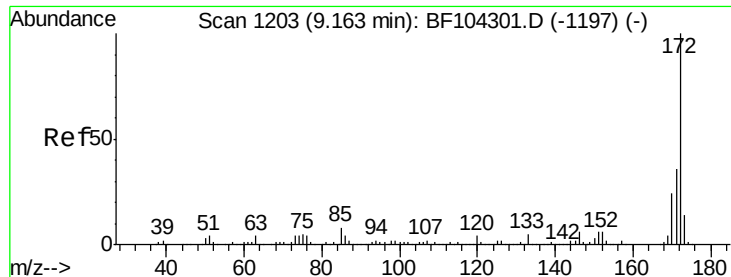
#41
 2,4,6-Tribromophenol
 Concen: 126.934 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF104901.D
 Acq: 28 Apr 2018 00:13

Tgt Ion:330 Resp: 242529
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.6
 141 33.2 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

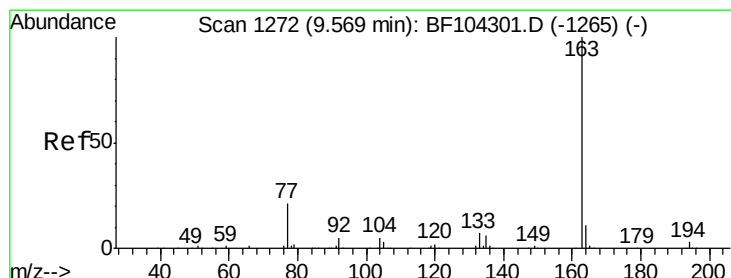
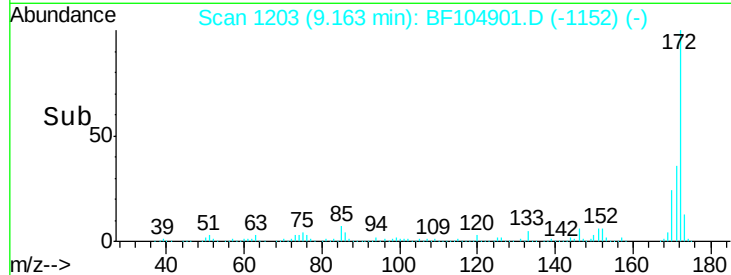
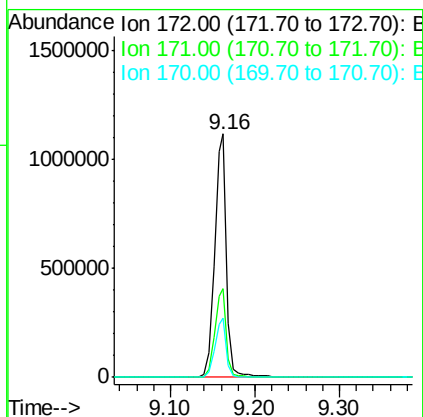
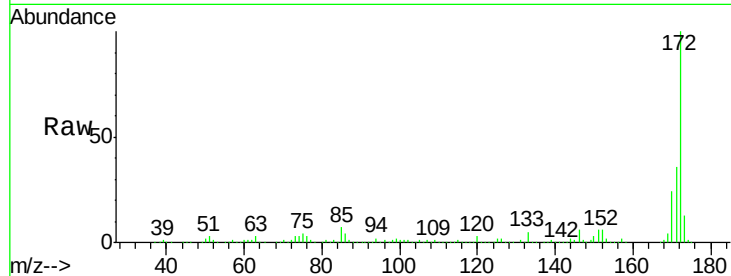




#44
2-Fluorobiphenyl
Concen: 95.959 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tot Ion:172 Resp: 1118834

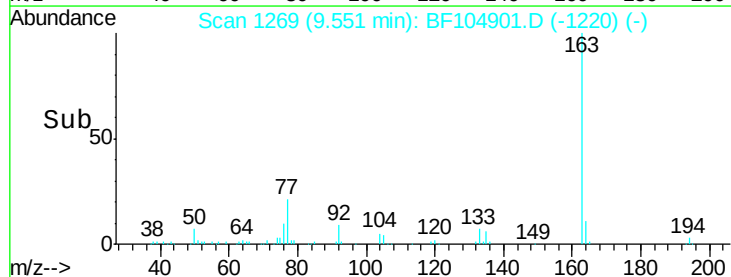
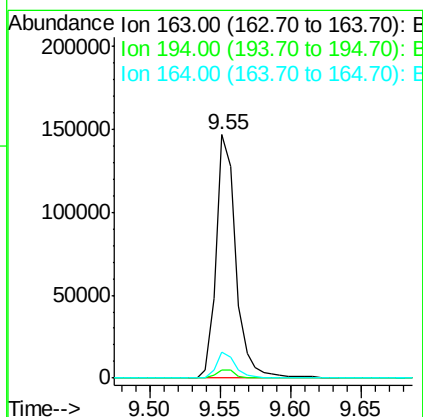
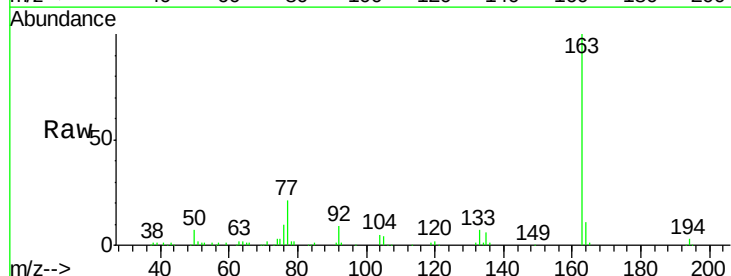
Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4

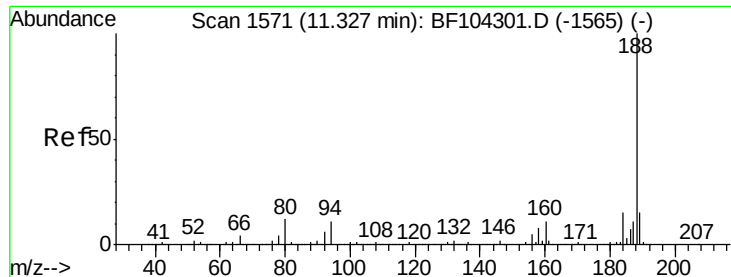


#49
Dimethylphthalate
Concen: 9.820 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tgt Ion:163 Resp: 142642

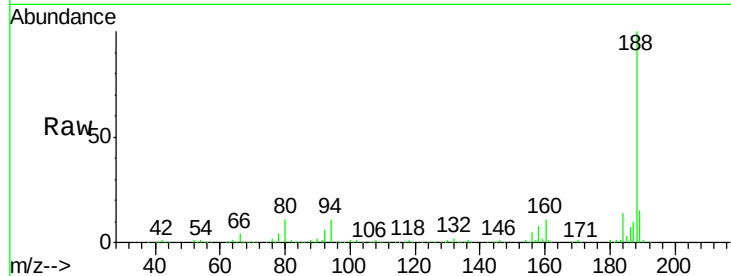
Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.6	8.2	12.2





#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

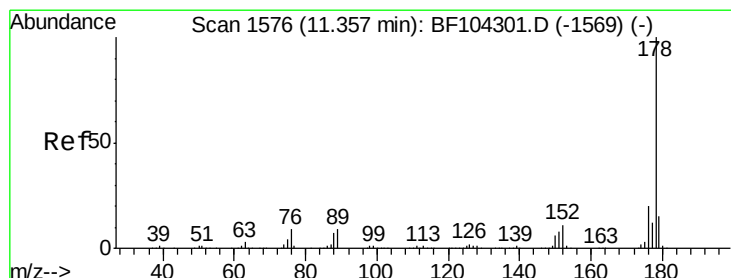
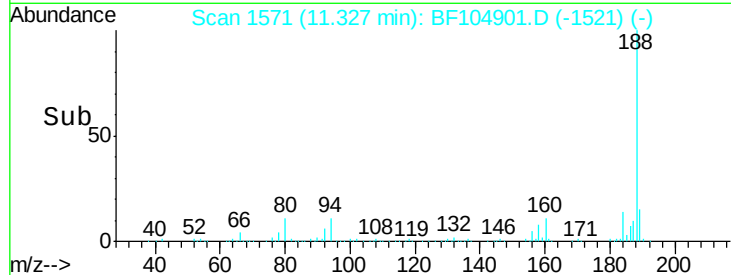
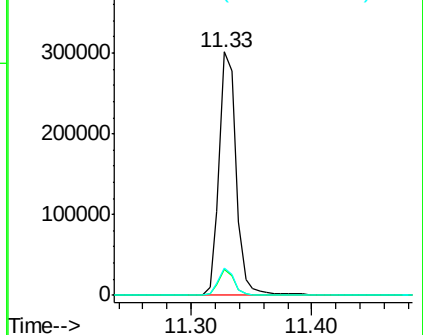
Tot Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.1	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

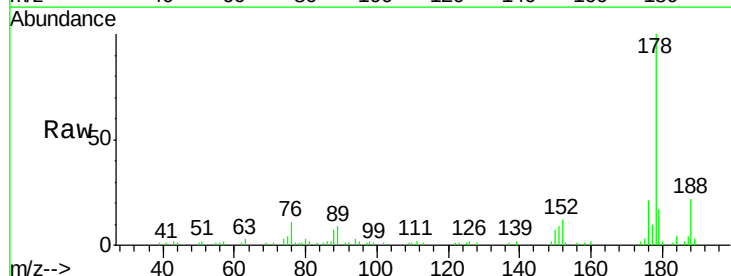
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70
Phenanthrene
Concen: 2.339 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

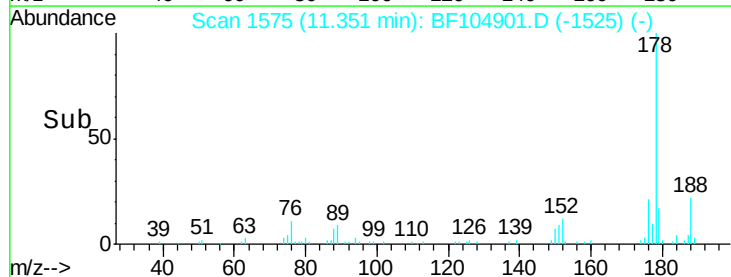
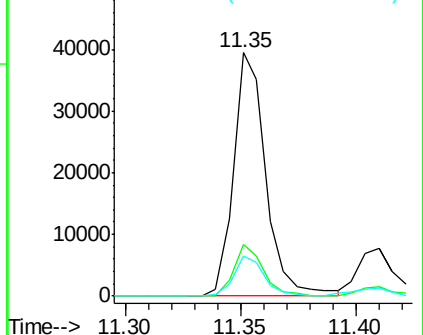
Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.8	23.8
179	16.5	13.0	19.6

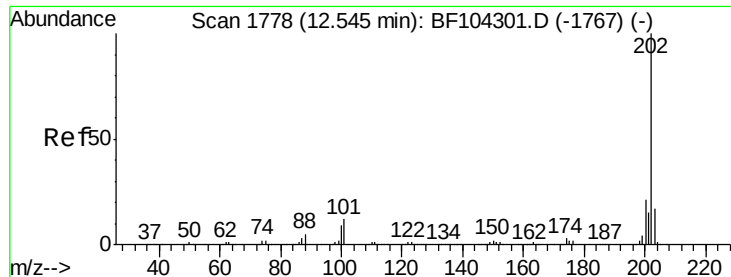


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.160 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104901.D

Acq: 28 Apr 2018 00:13

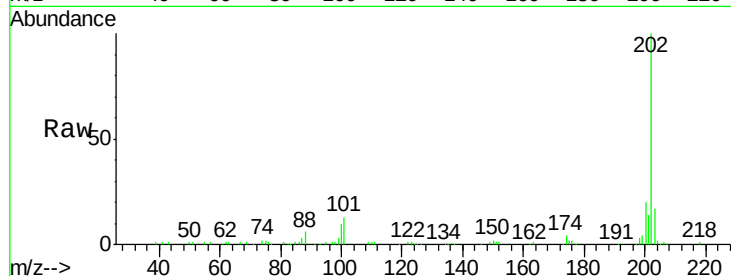
Tot Ion:202 Resp: 88274

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

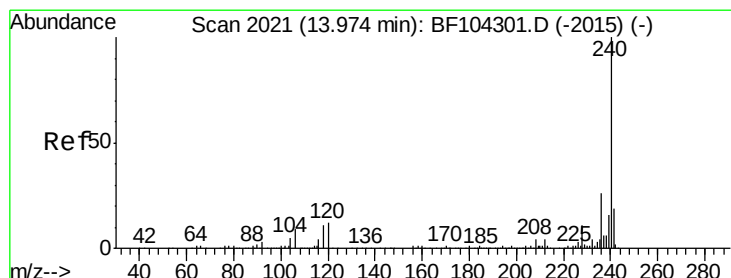
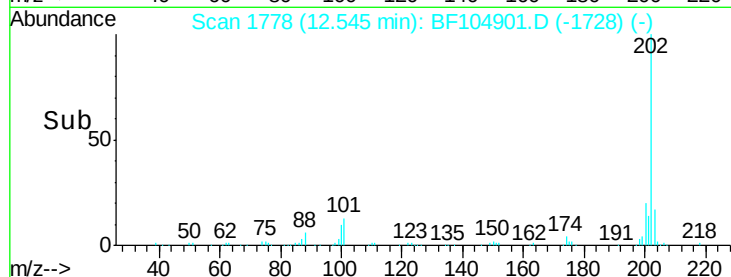
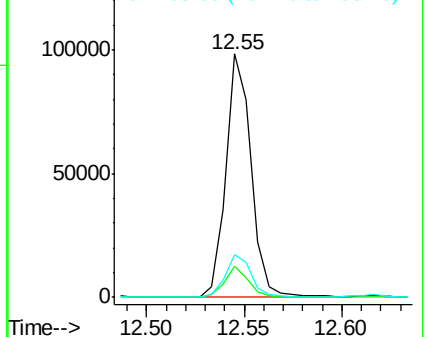
203 17.4 0.0 38.1



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: BF104901.D

Acq: 28 Apr 2018 00:13

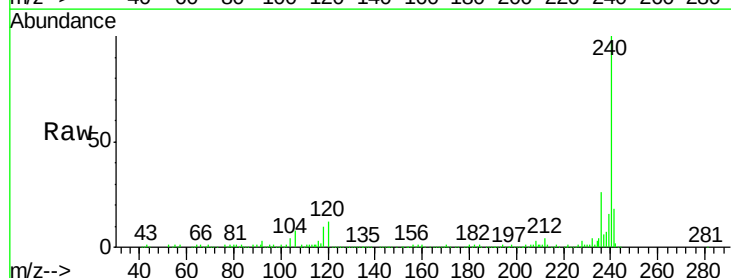
Tgt Ion:240 Resp: 215651

Ion Ratio Lower Upper

240 100

120 11.7 9.5 14.3

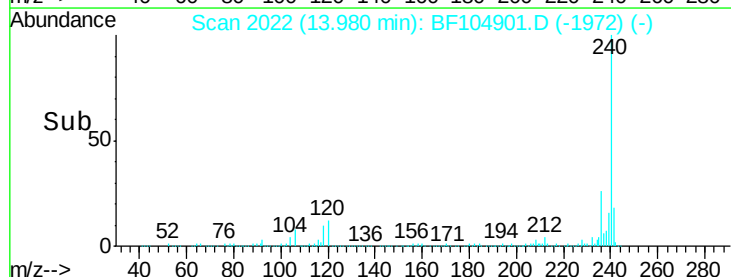
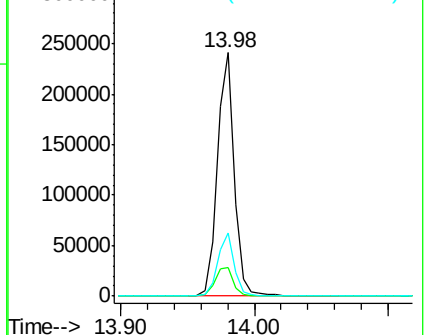
236 26.1 20.7 31.1

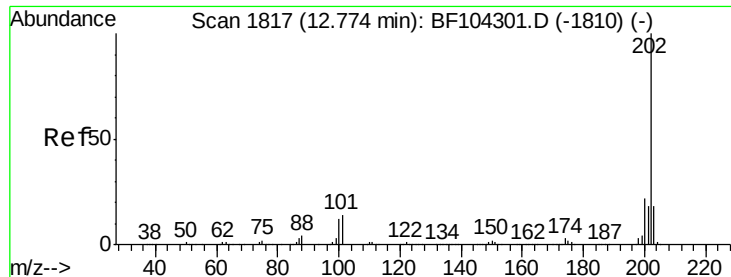


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.488 ng

RT: 12.77 min Scan# 1817

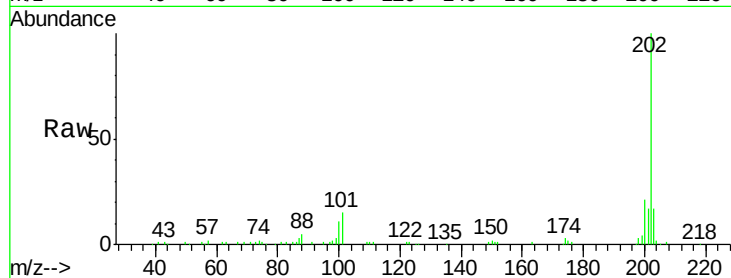
Delta R.T. -0.01 min

Lab File: BF104901.D

Acq: 28 Apr 2018 00:13

Tot Ion:202 Resp: 87721

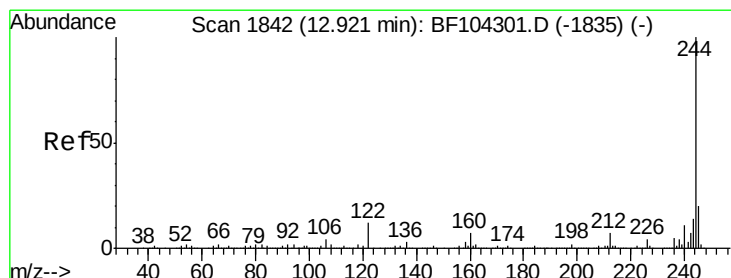
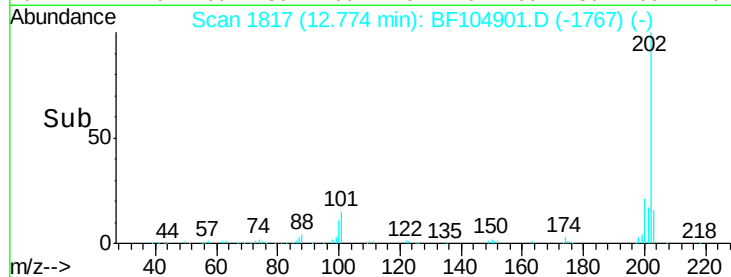
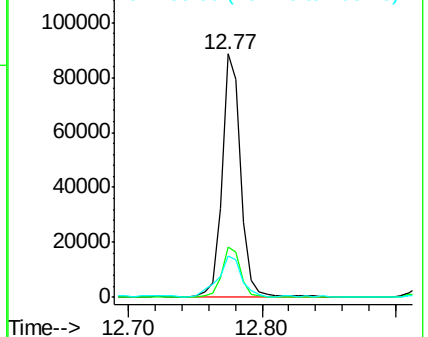
Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	16.9	14.3	21.5



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: 93.025 ng

RT: 12.92 min Scan# 1842

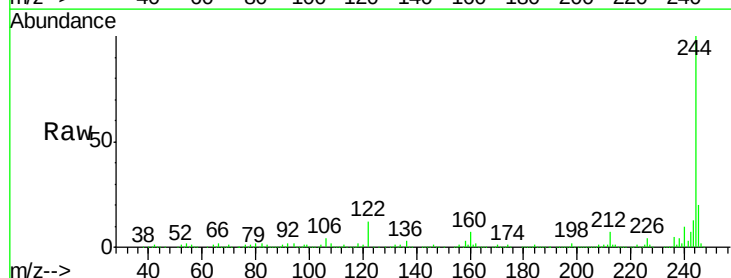
Delta R.T. 0.00 min

Lab File: BF104901.D

Acq: 28 Apr 2018 00:13

Tgt Ion:244 Resp: 879933

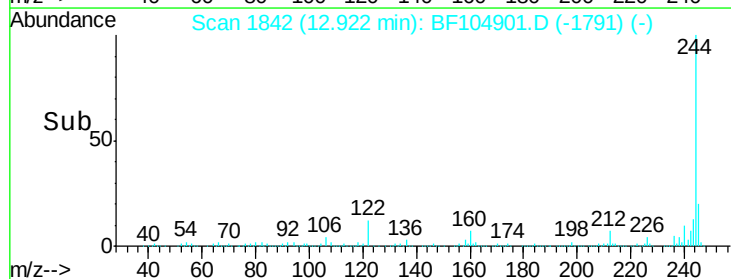
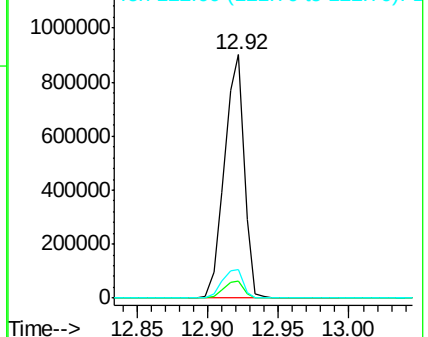
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.5	11.0	16.4

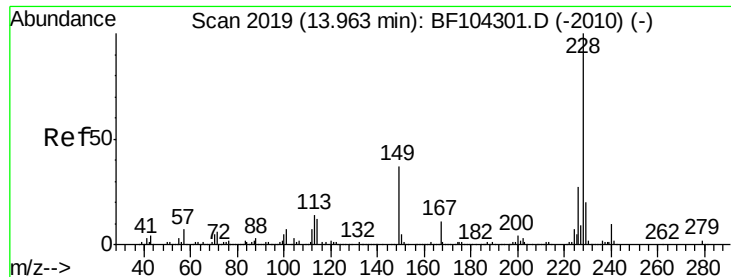


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

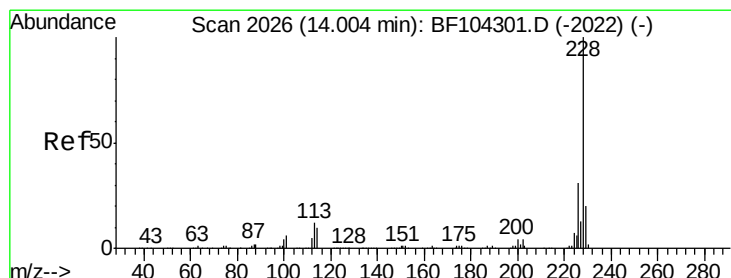
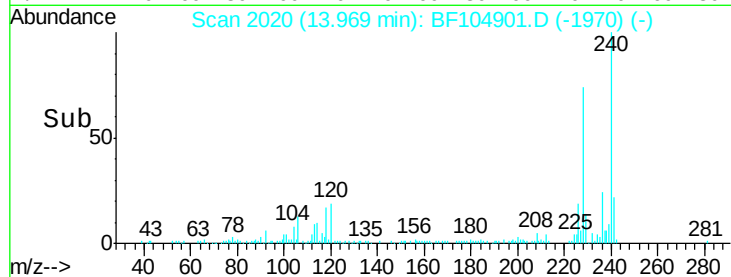
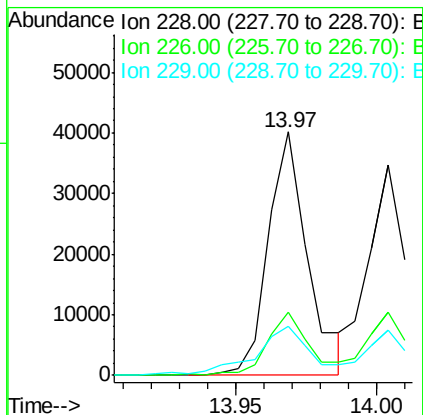
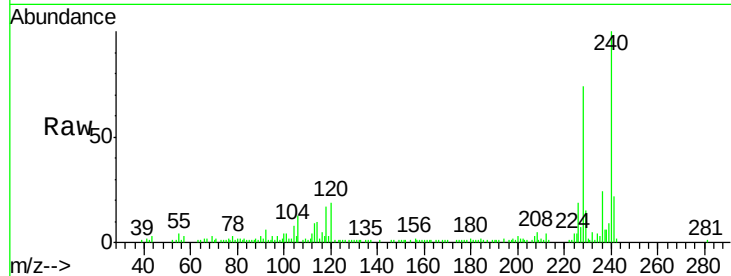
Ion 122.00 (121.70 to 122.70): E





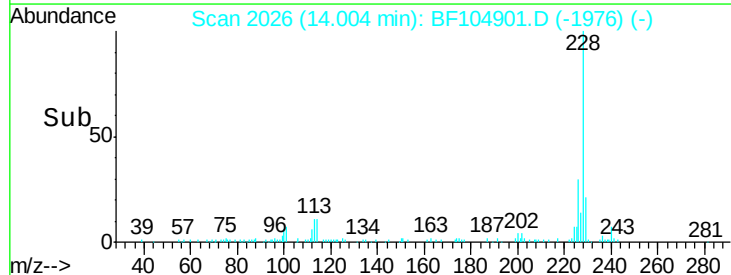
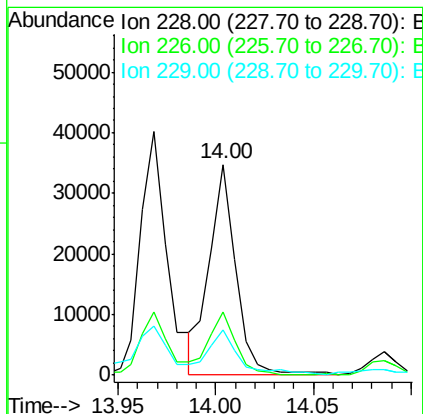
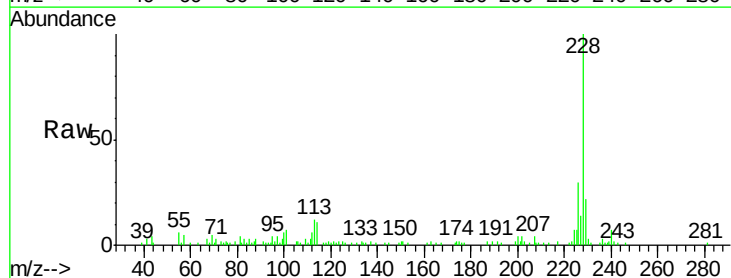
#80
Benzo(a)anthracene
Concen: 3.032 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

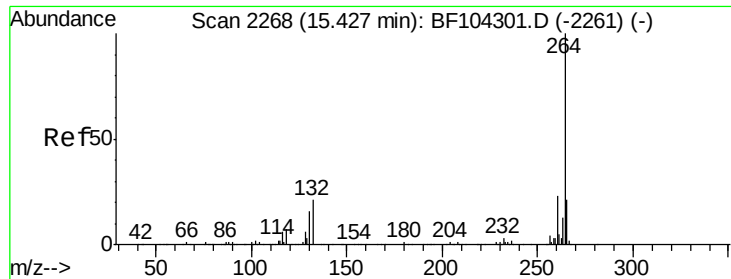
Tot Ion:228 Resp: 39066
Ion Ratio Lower Upper
228 100
226 25.8 22.6 33.8
229 20.0 15.8 23.6



#82
Chrysene
Concen: 2.526 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

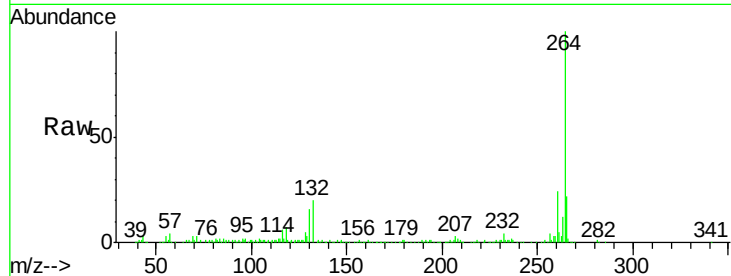
Tgt Ion:228 Resp: 33424
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 21.5 16.2 24.4



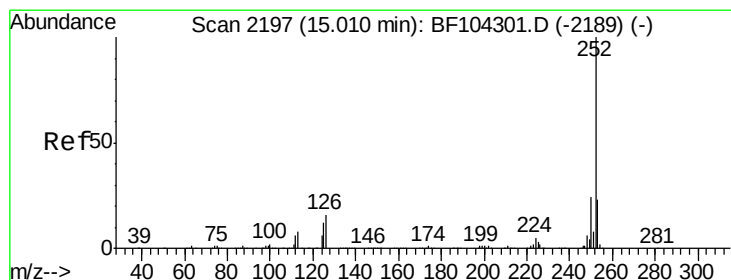
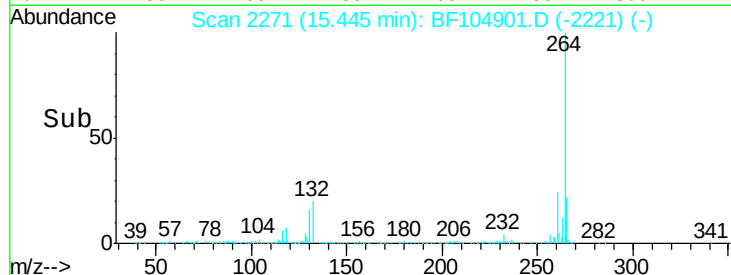
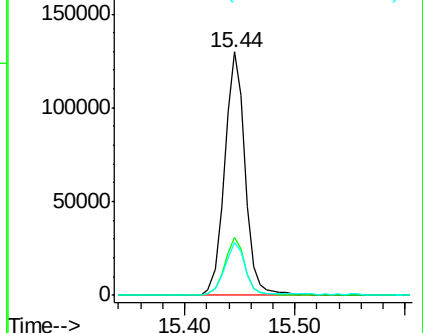


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	17.5	26.3

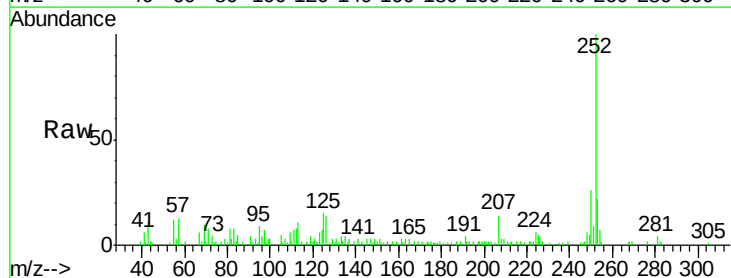


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

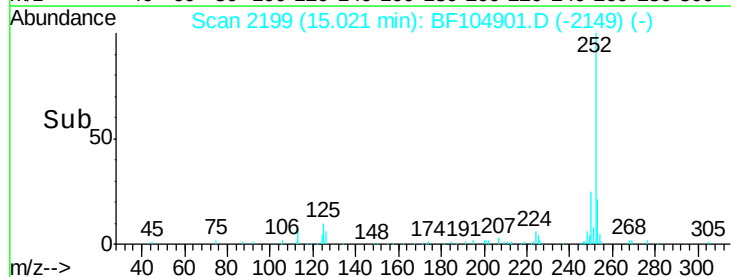
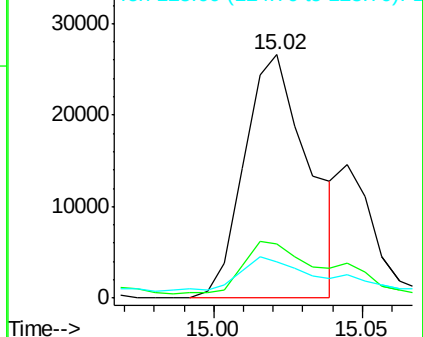


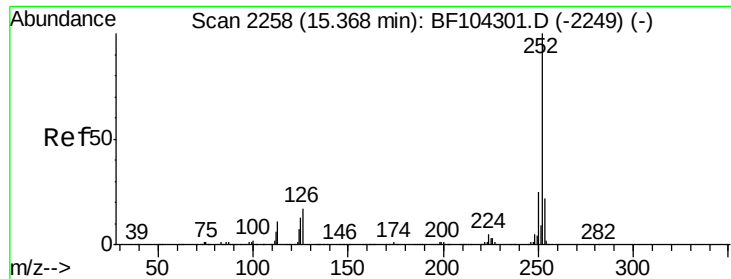
#87
Benzo(b)fluoranthene
Concen: 3.798 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	14.7	9.0	13.6#



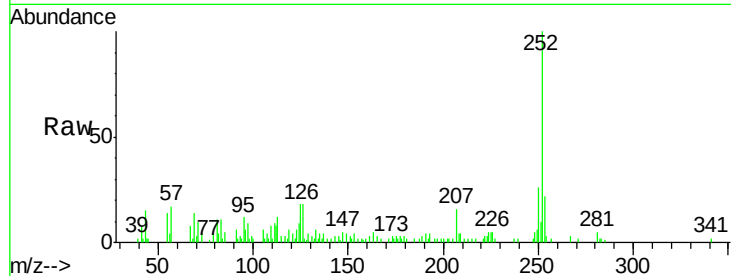
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



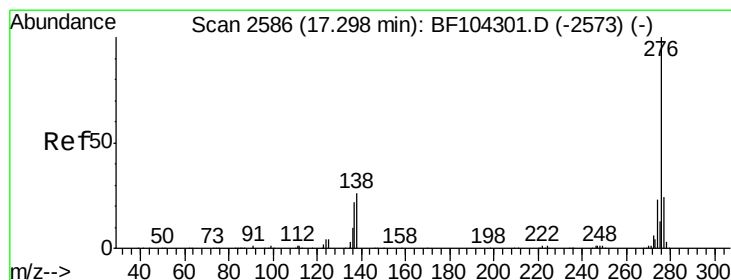
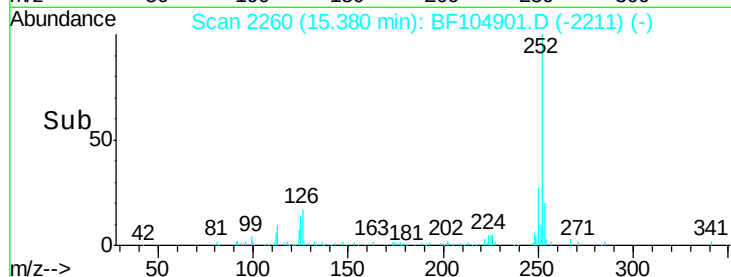
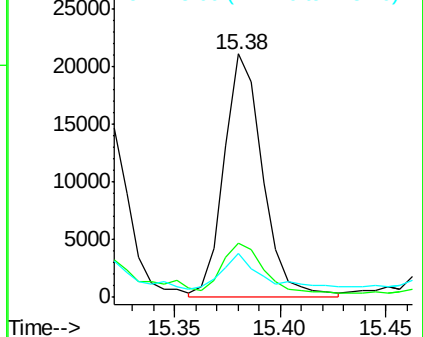


#89
Benzo(a)pyrene
Concen: 2.811 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tot Ion:252 Resp: 26819
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 18.0 9.8 14.6#

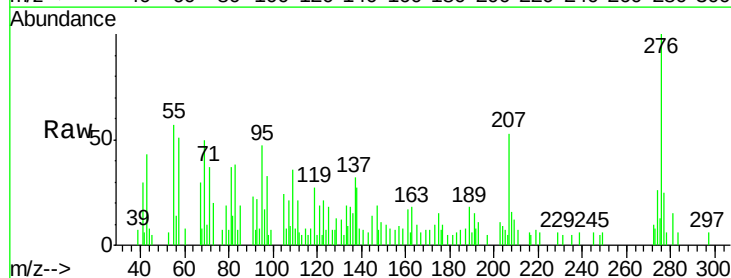


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.015 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BF104901.D
Acq: 28 Apr 2018 00:13

Tgt Ion:276 Resp: 15297
Ion Ratio Lower Upper
276 100
277 25.3 17.9 26.9
138 27.0 21.8 32.8



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

