

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104896.D
 Acq On : 27 Apr 2018 21:59
 Operator : JU/SJ
 Sample : J2566-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

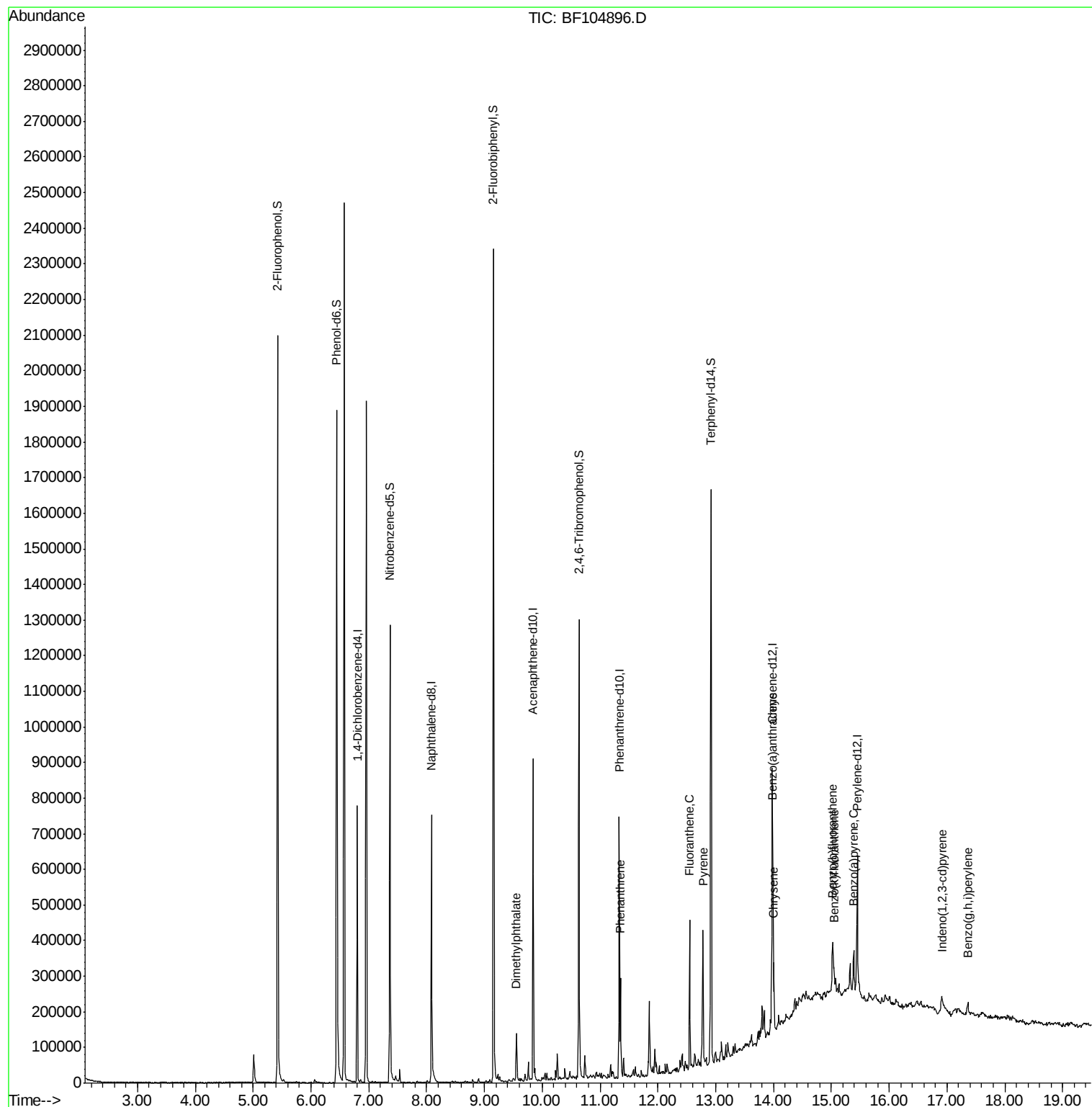
Quant Time: Apr 27 23:59:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 27 17:16:11 2018
 Response via : Initial Calibration

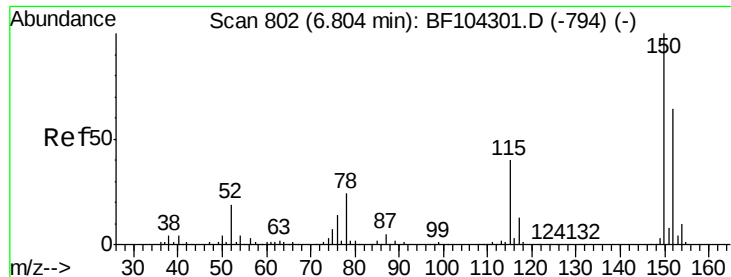
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	102368	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	412366	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	167719	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	265246	20.00	ng	0.00
75) Chrysene-d12	13.98	240	211825	20.00	ng	0.00
86) Perylene-d12	15.45	264	173162	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	664239	99.22	ng	0.01
7) Phenol-d6	6.45	99	783939	95.30	ng	0.00
23) Nitrobenzene-d5	7.37	82	465489	73.71	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	163415	93.93	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	738684	69.58	ng	0.00
78) Terphenyl-d14	12.92	244	561873	60.47	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	57140	4.320	ng	100
70) Phenanthrene	11.36	178	97817	6.622	ng	96
74) Fluoranthene	12.55	202	169845	11.005	ng	96
77) Pyrene	12.78	202	152388	9.705	ng	99
80) Benzo(a)anthracene	13.97	228	73375	5.798	ng	97
82) Chrysene	14.00	228	70824	5.449	ng	96
85) Indeno(1,2,3-cd)pyrene	16.91	276	28729	2.602	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	78138m	7.145	ng	
88) Benzo(k)fluoranthene	15.04	252	28910m	2.800	ng	
89) Benzo(a)pyrene	15.39	252	51817	5.295	ng	# 93
91) Benzo(g,h,i)perylene	17.36	276	29057	3.732	ng	# 89

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

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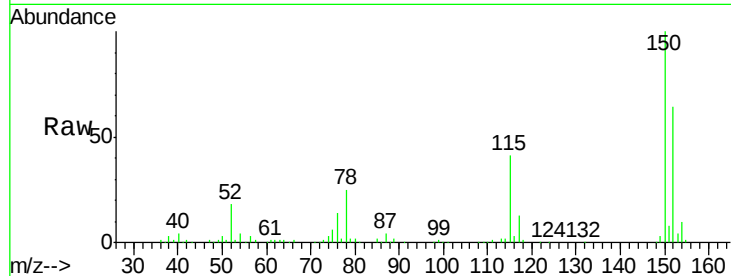




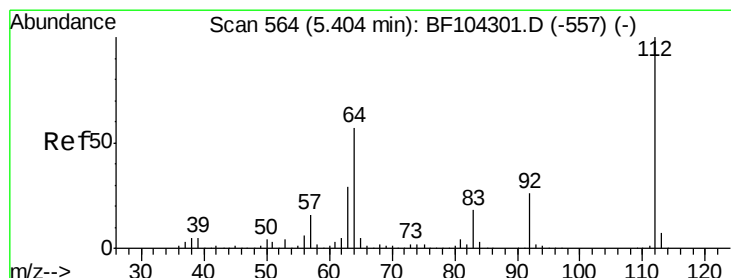
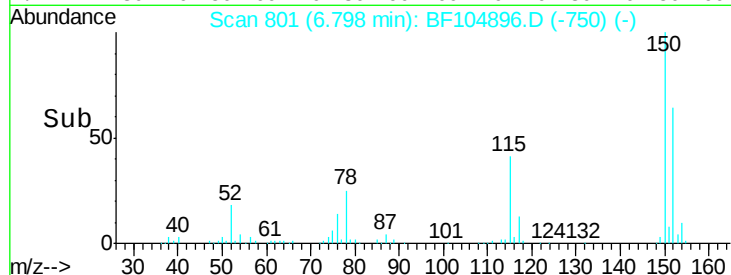
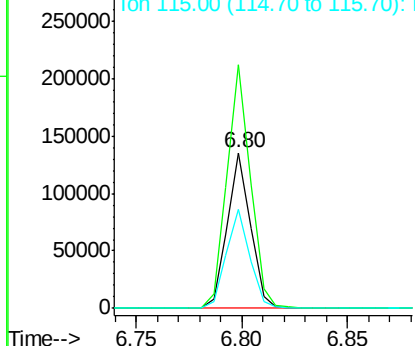
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104896.D
Acq: 27 Apr 2018 21:59

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	63.8	50.1	75.1



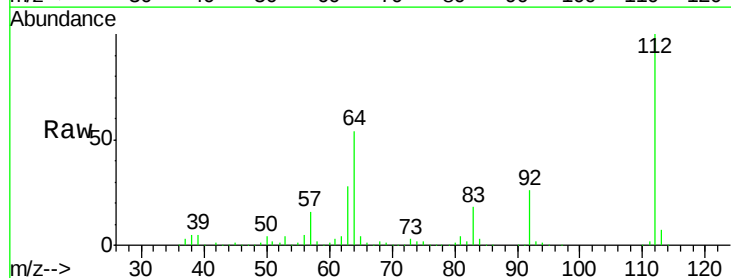
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



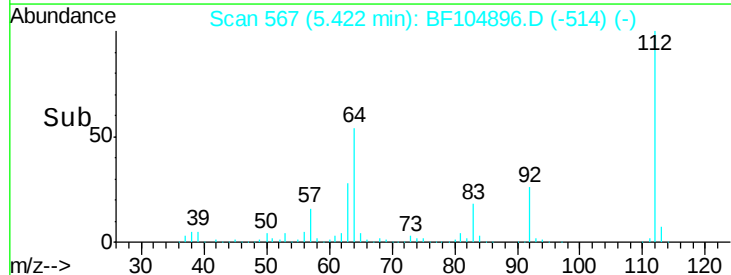
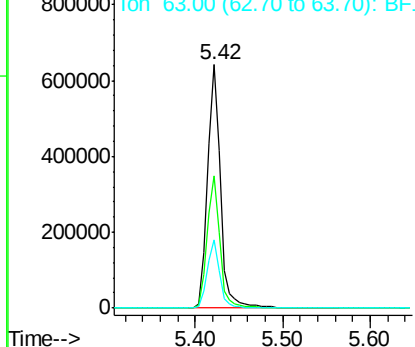
#5

2-Fluorophenol
Concen: 99.216 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104896.D
Acq: 27 Apr 2018 21:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.9	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: 95.303 ng

RT: 6.45 min Scan# 741

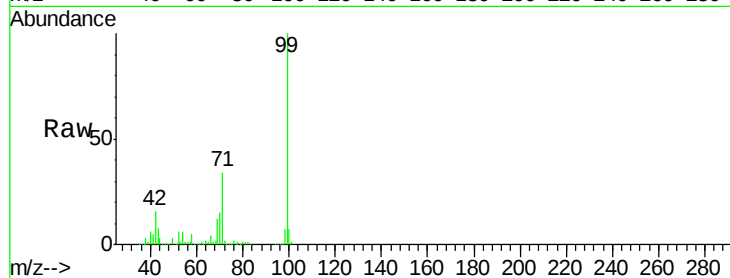
Delta R.T. 0.00 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

Tot Ion: 99 Resp: 783939

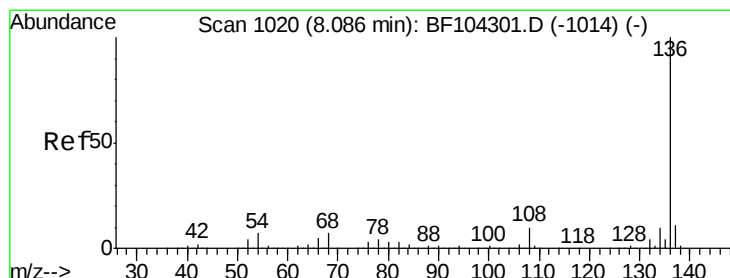
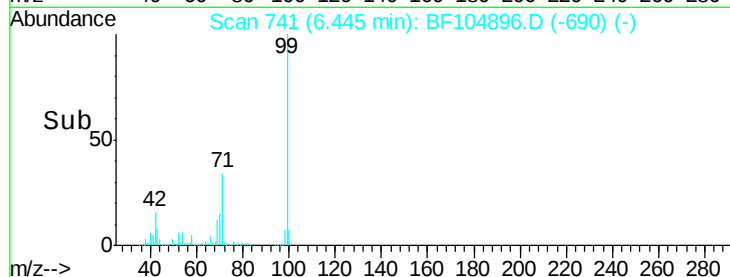
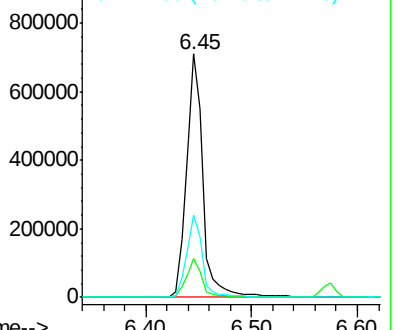
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.5	21.7
71	34.1	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

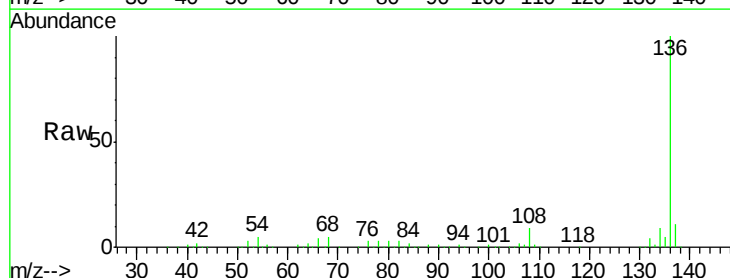
Delta R.T. 0.00 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

Tgt Ion: 136 Resp: 412366

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.5	6.6	9.8
68	5.1	5.0	7.4

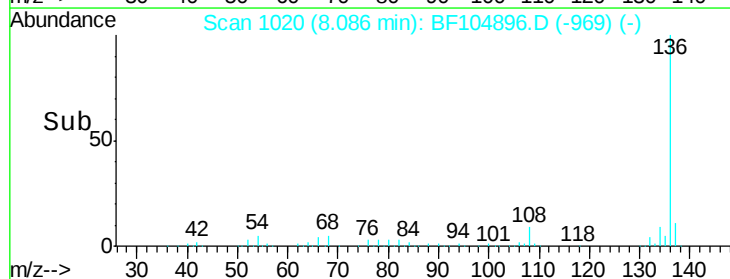
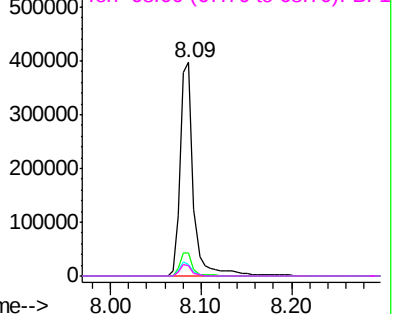


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

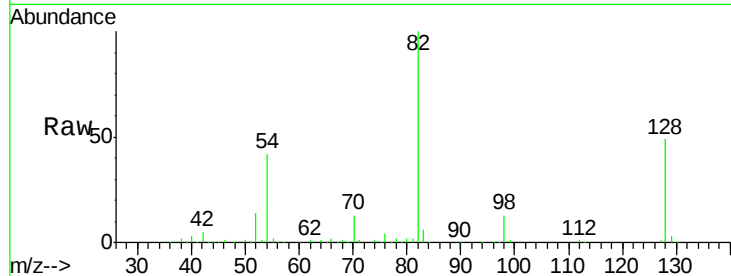
Ion 68.00 (67.70 to 68.70): BF1



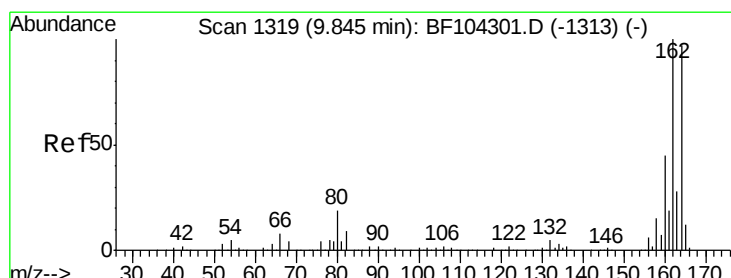
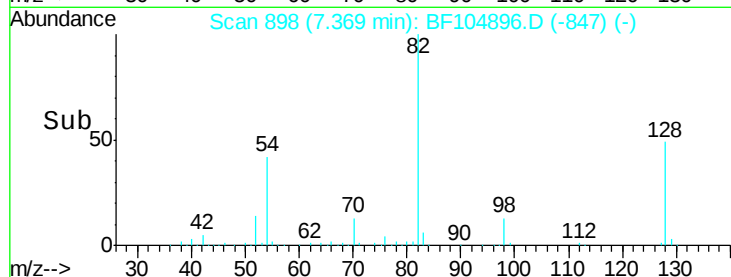
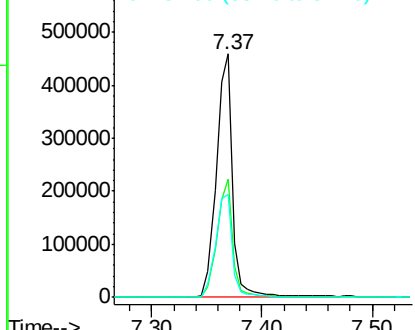


#23
 Nitrobenzene-d5
 Concen: 73.710 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF104896.D
 Acq: 27 Apr 2018 21:59

Tot Ion	82	Resp	465489
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	42.4	41.4	62.2

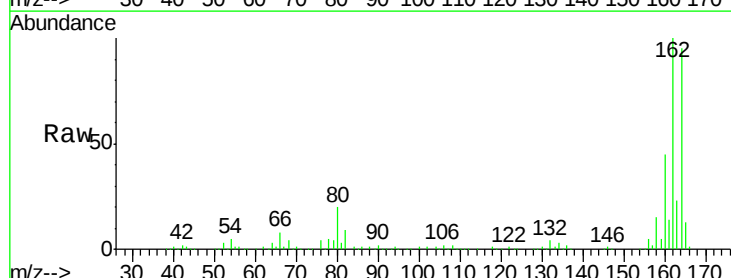


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

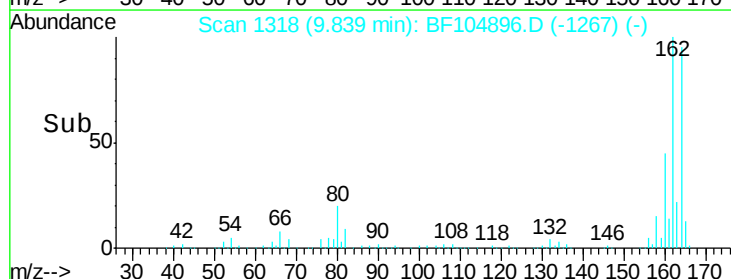
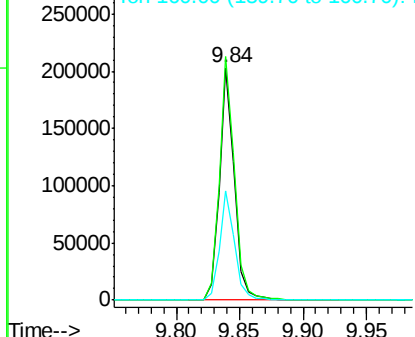


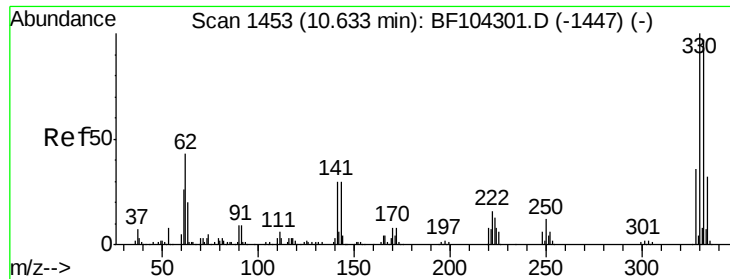
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: BF104896.D
 Acq: 27 Apr 2018 21:59

Tgt Ion	164	Resp	167719
Ion Ratio	100		
Lower	86.1		
Upper	129.1		
162	104.8	38.3	57.5
160	46.9		



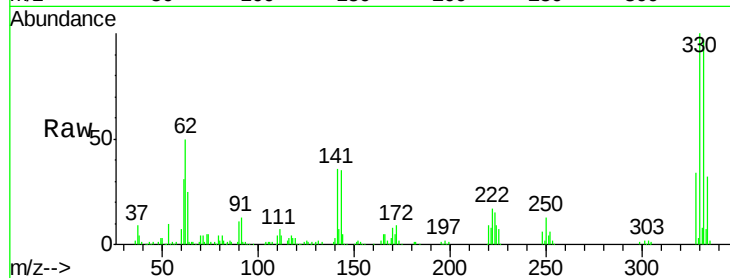
Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E



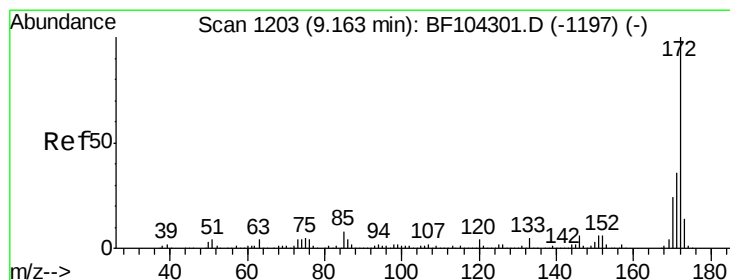
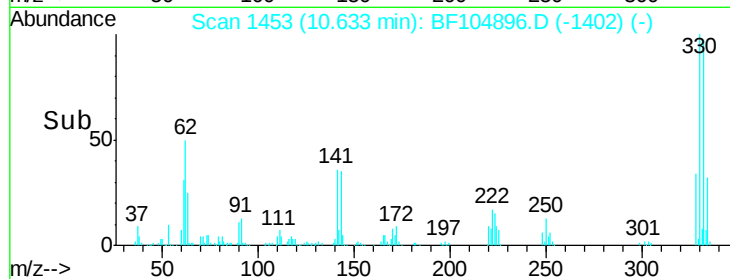
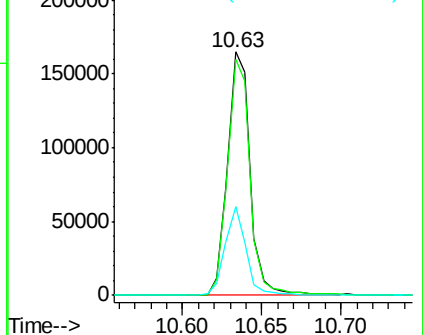


#41
 2,4,6-Tribromophenol
 Concen: 93.928 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104896.D
 Acq: 27 Apr 2018 21:59

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	33.7	29.9	44.9

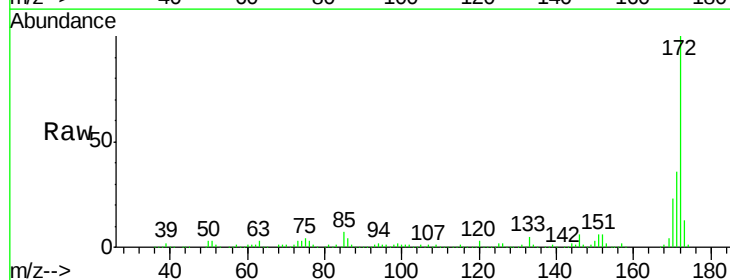


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

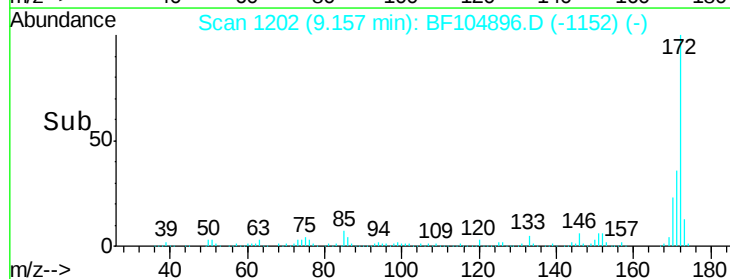
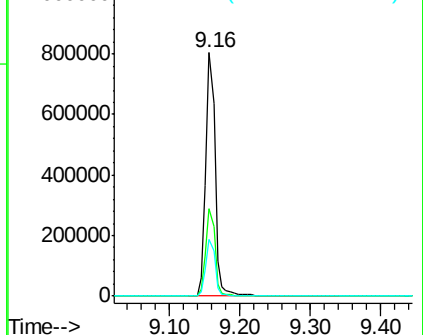


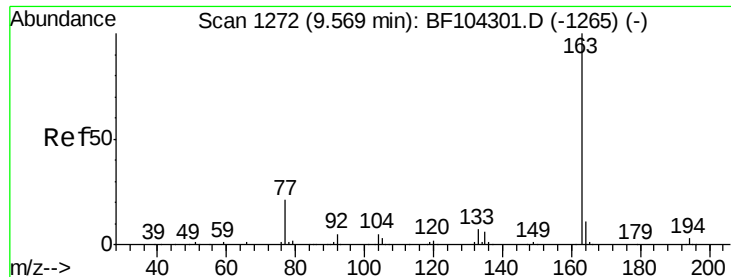
#44
 2-Fluorobiphenyl
 Concen: 69.577 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104896.D
 Acq: 27 Apr 2018 21:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	23.3	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: 4.320 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

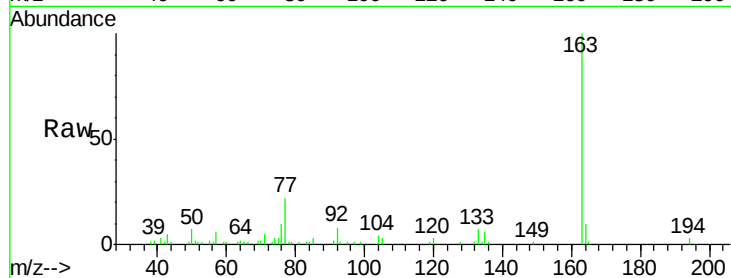
Tot Ion:163 Resp: 57140

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

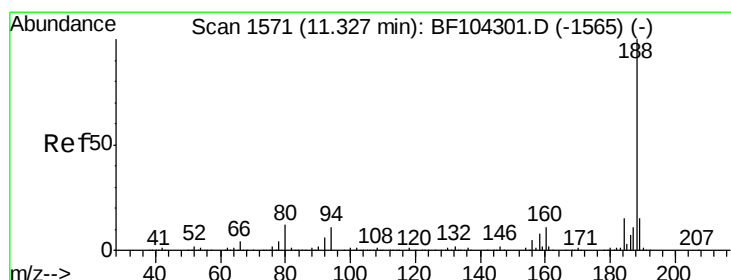
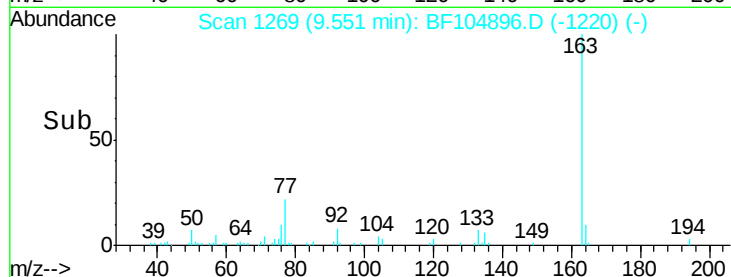
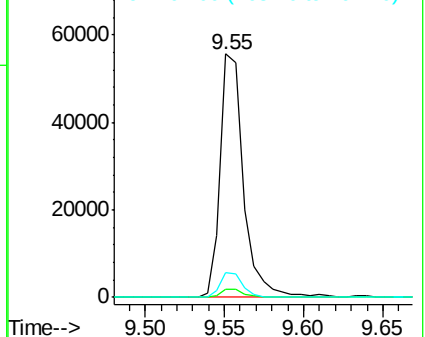
164 10.1 8.2 12.2



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# 1572

Delta R.T. 0.00 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

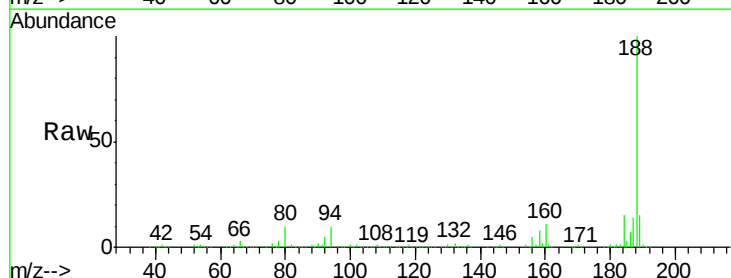
Tgt Ion:188 Resp: 265246

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

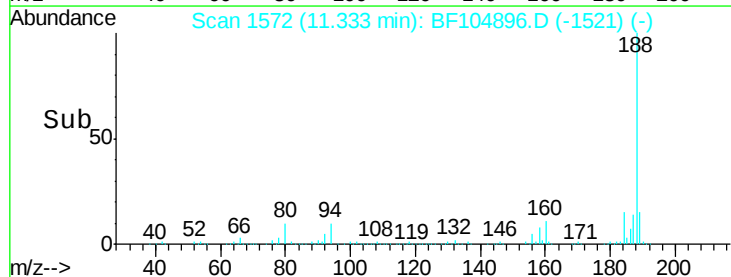
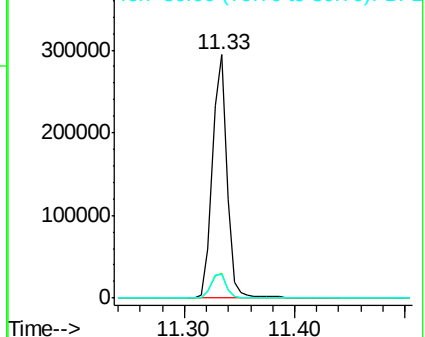
80 9.7 9.2 13.8

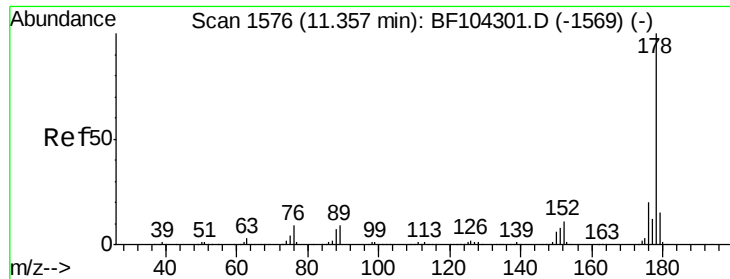


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

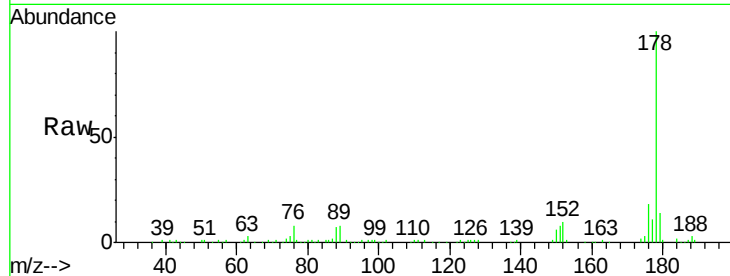
Ion 80.00 (79.70 to 80.70): BF1



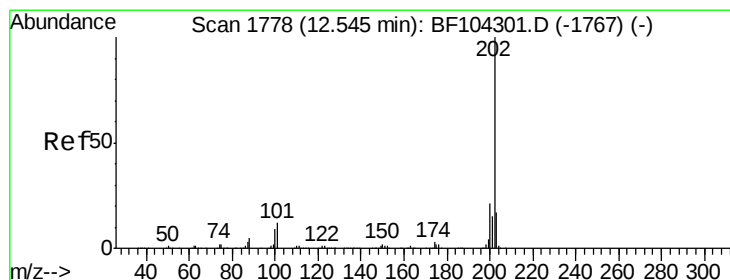
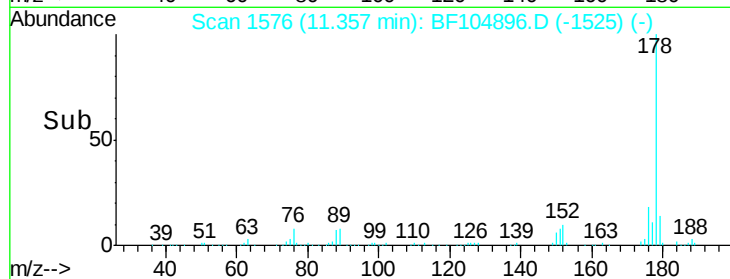
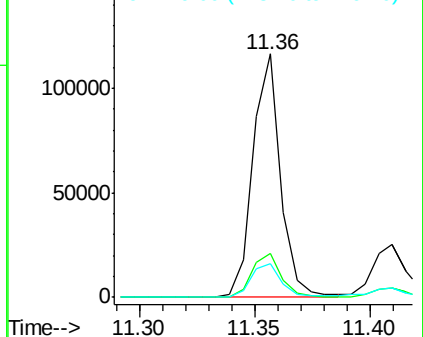


#70
Phenanthrene
Concen: 6.622 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF104896.D
Acq: 27 Apr 2018 21:59

Tot Ion:178 Resp: 97817
Ion Ratio Lower Upper
178 100
176 18.2 15.8 23.8
179 13.9 13.0 19.6

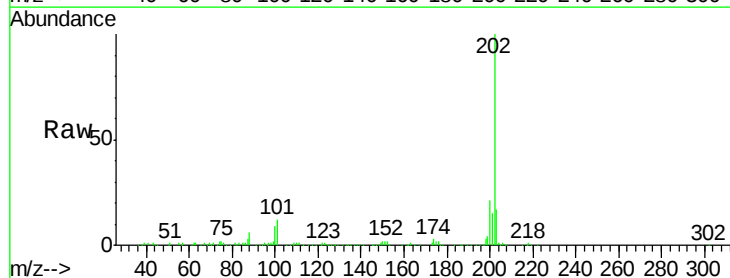


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

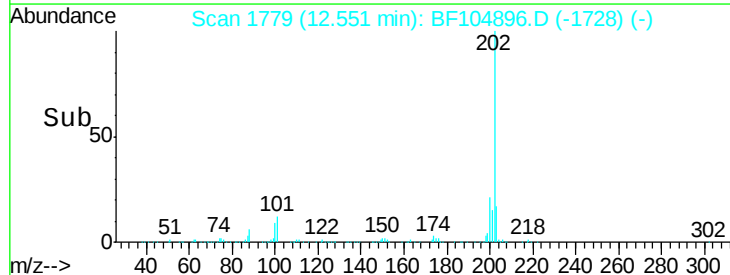
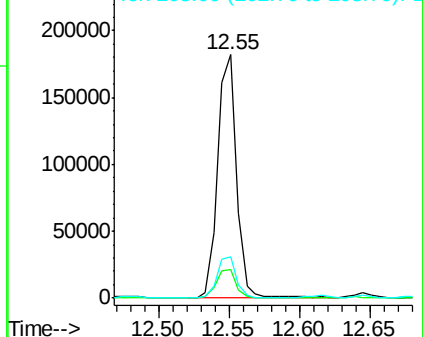


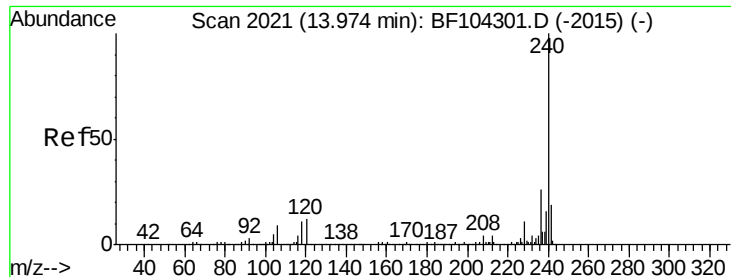
#74
Fluoranthene
Concen: 11.005 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.00 min
Lab File: BF104896.D
Acq: 27 Apr 2018 21:59

Tgt Ion:202 Resp: 169845
Ion Ratio Lower Upper
202 100
101 11.7 0.0 34.1
203 17.0 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

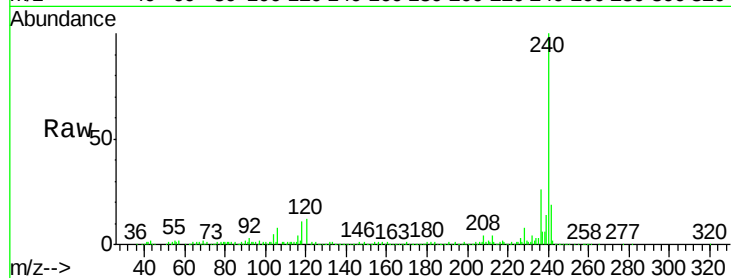
Delta R.T. -0.01 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

Tot Ion:240 Resp: 211825

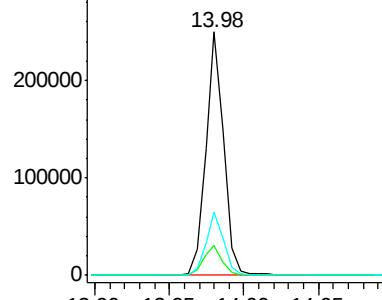
Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.5	14.3
236	25.9	20.7	31.1



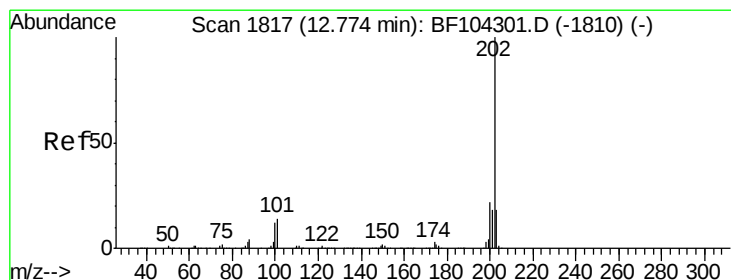
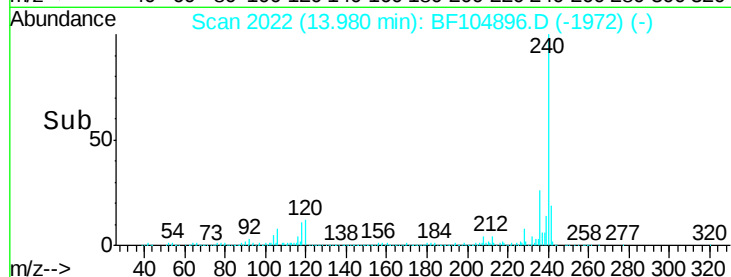
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 13.95 14.00 14.05



#77

Pyrene

Concen: 9.705 ng

RT: 12.78 min Scan# 1818

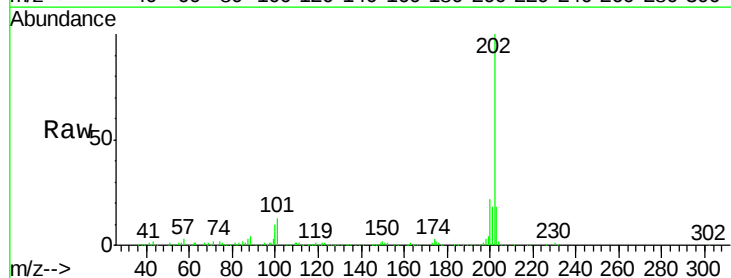
Delta R.T. 0.00 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

Tgt Ion:202 Resp: 152388

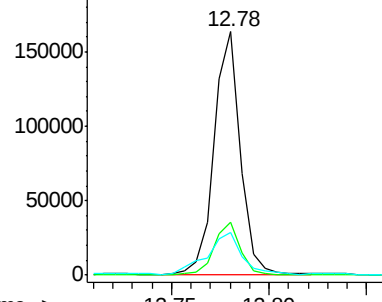
Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.6	14.3	21.5



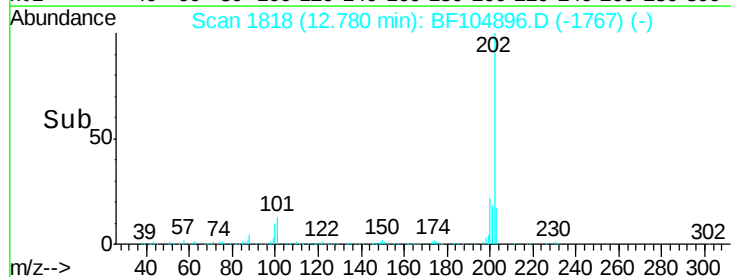
Abundance Ion 202.00 (201.70 to 202.70): E

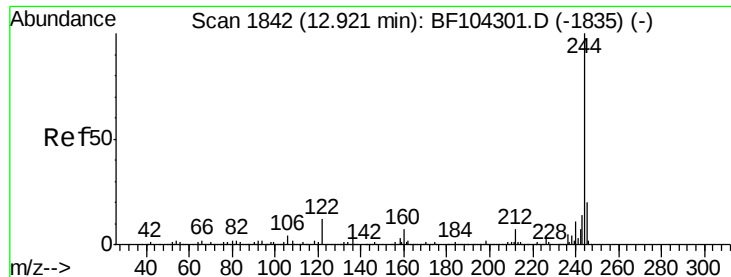
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



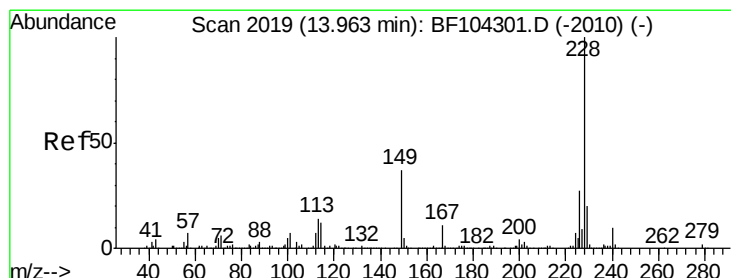
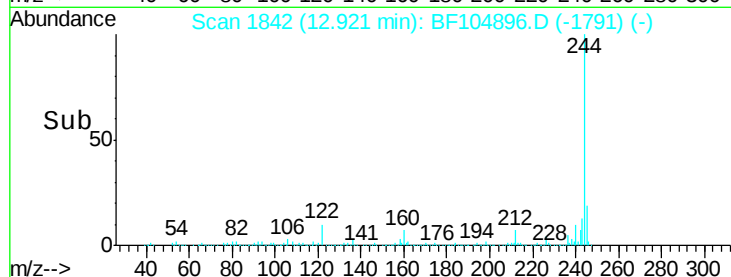
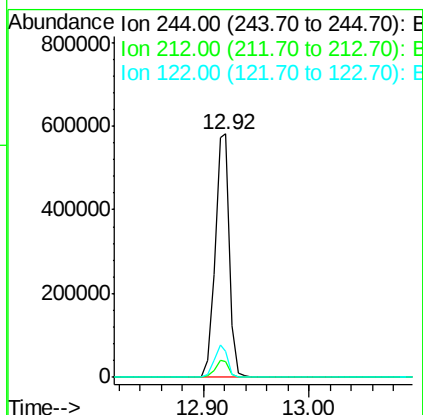
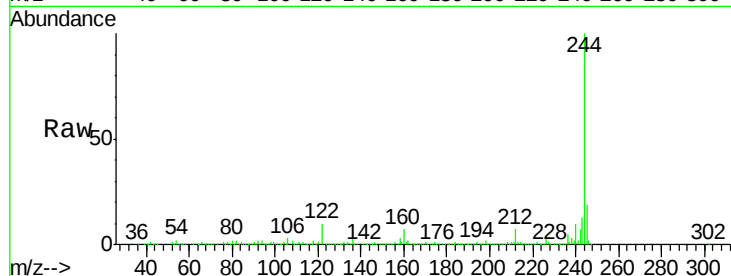
Time--> 12.75 12.80





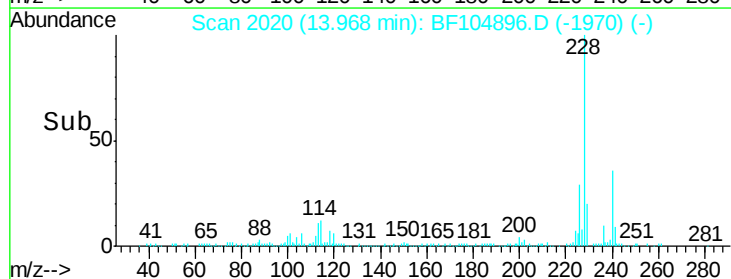
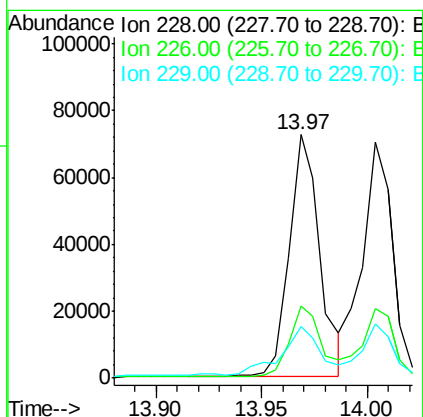
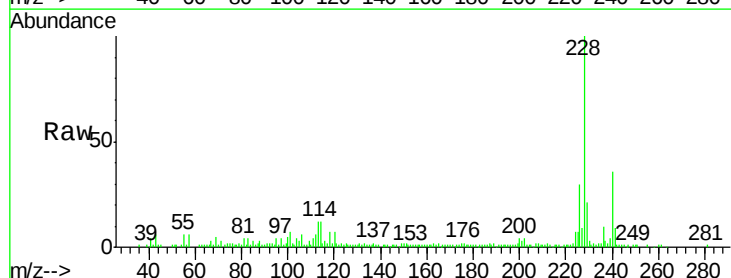
#78
 Terphenyl-d14
 Concen: 60.473 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104896.D
 Acq: 27 Apr 2018 21:59

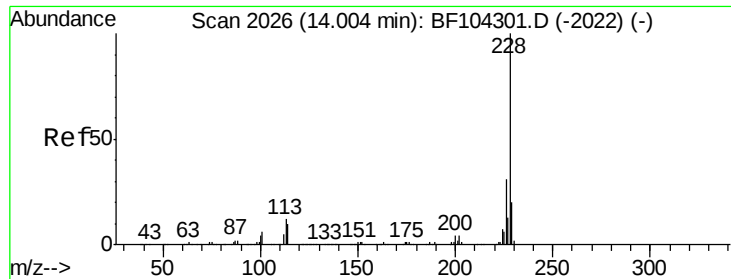
Tot Ion:244 Resp: 561873
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.5 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 5.798 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104896.D
 Acq: 27 Apr 2018 21:59

Tgt Ion:228 Resp: 73375
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.6 33.8
 229 21.4 15.8 23.6





#82

Chrysene

Concen: 5.449 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

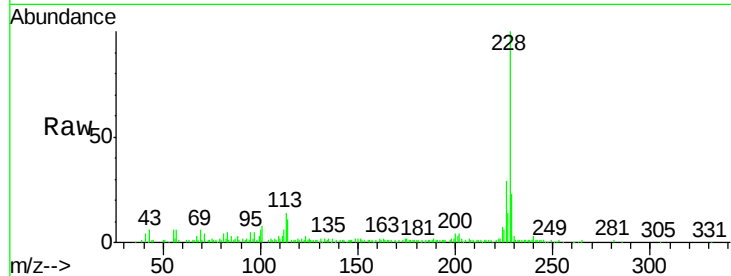
Tot Ion:228 Resp: 70824

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

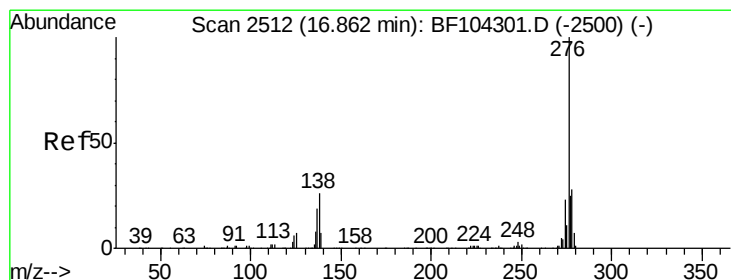
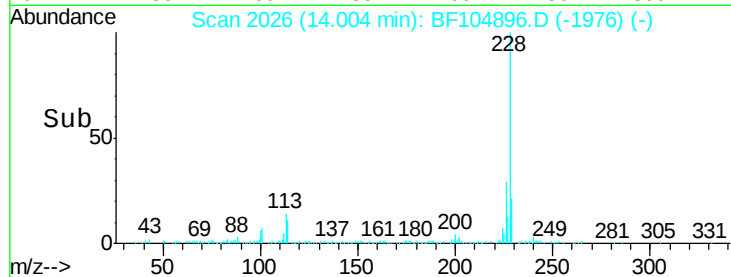
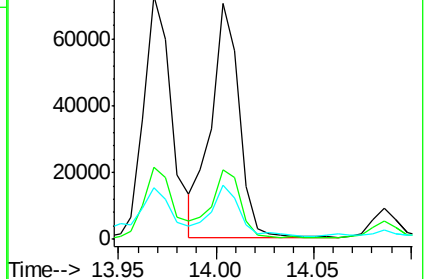
229 23.0 16.2 24.4



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: 2.602 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

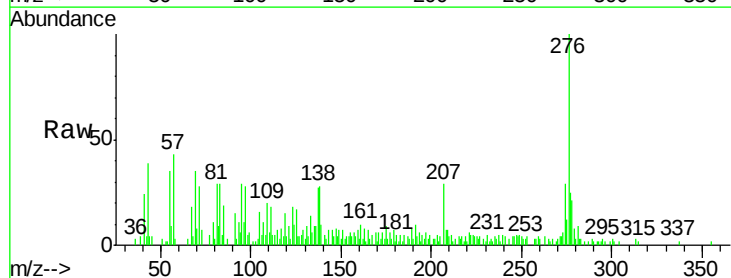
Tgt Ion:276 Resp: 28729

Ion Ratio Lower Upper

276 100

138 23.5 25.0 37.6#

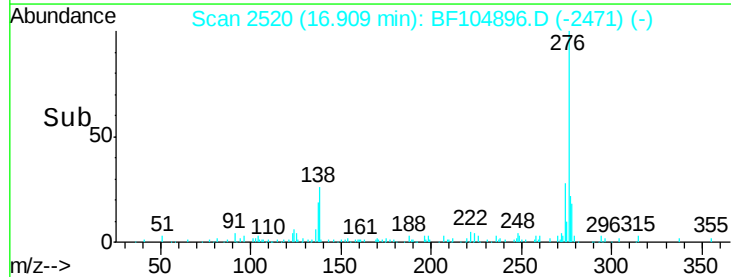
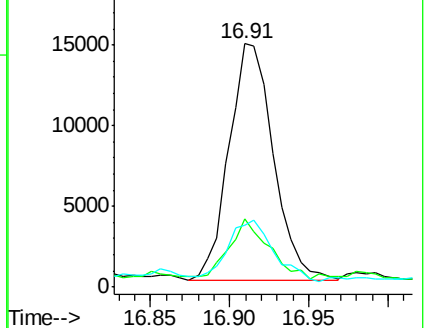
277 26.0 20.1 30.1

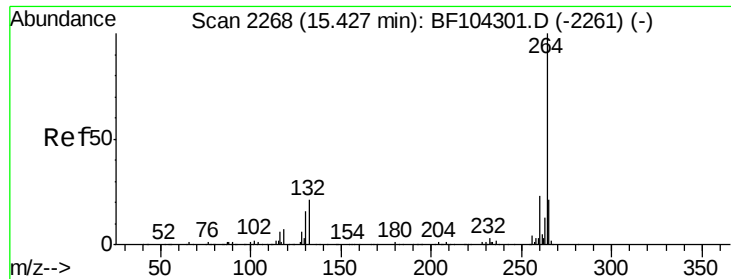


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.45 min Scan# 2272

Delta R.T. 0.00 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

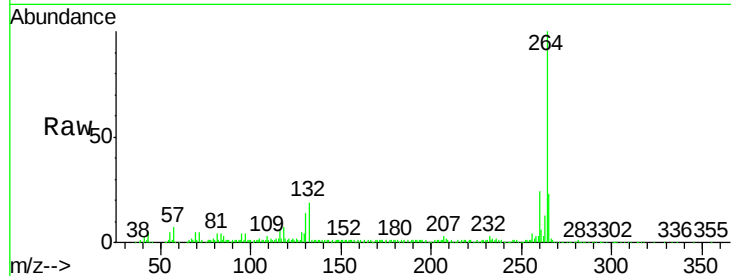
Tot Ion:264 Resp: 173162

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

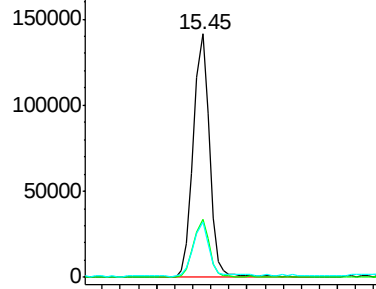
265 22.7 17.5 26.3



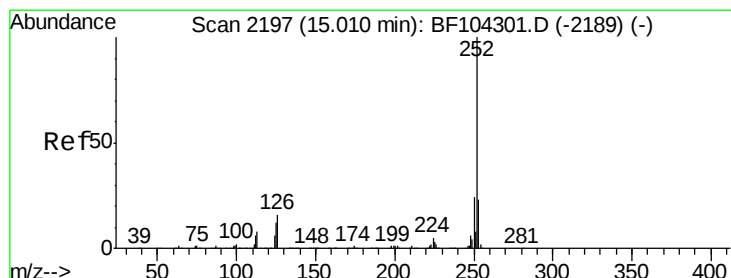
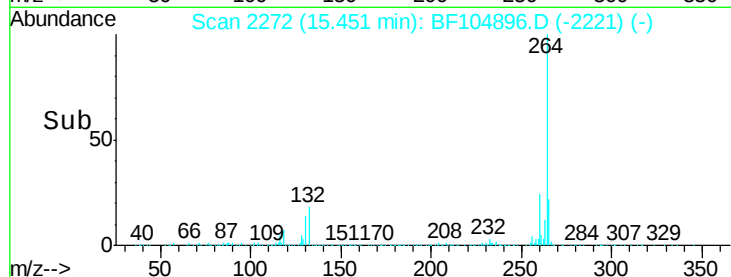
Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Benzo(b)fluoranthene

Concen: 7.145 ng m

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

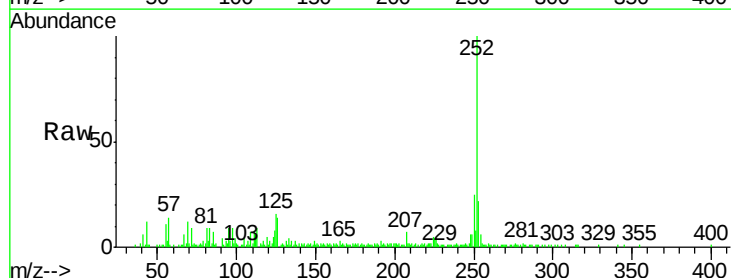
Tgt Ion:252 Resp: 78138

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

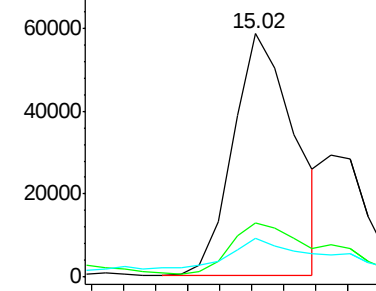
125 16.1 9.0 13.6#



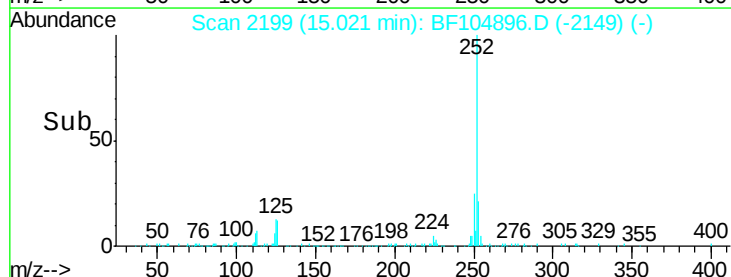
Abundance Ion 252.00 (251.70 to 252.70): E

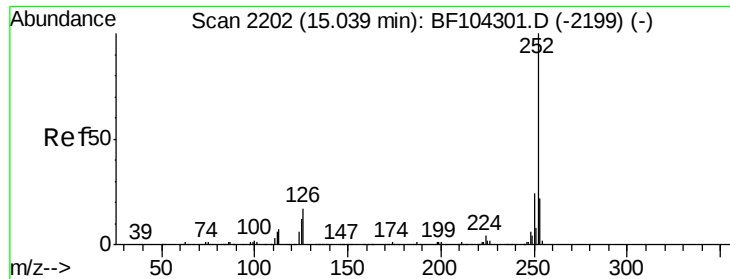
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#88

Benzo(k)fluoranthene

Concen: 2.800 ng/mL

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

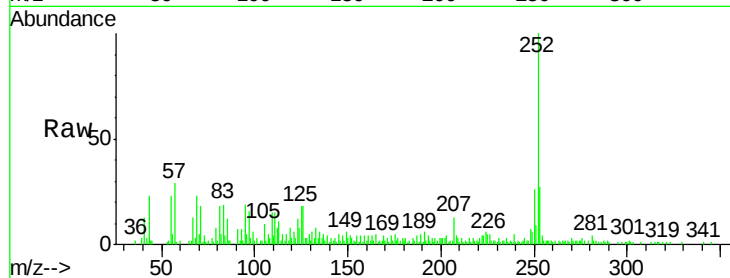
Tot Ion: 252 Resp: 28910

Ion Ratio Lower Upper

252 100

253 26.7 17.9 26.9

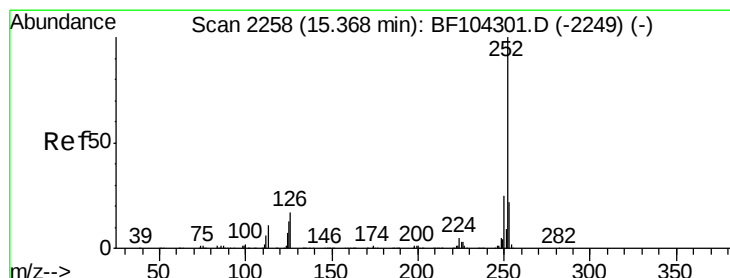
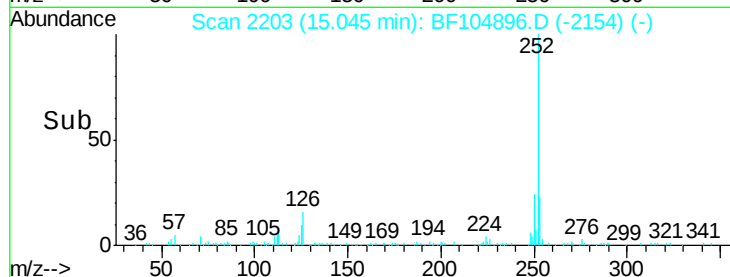
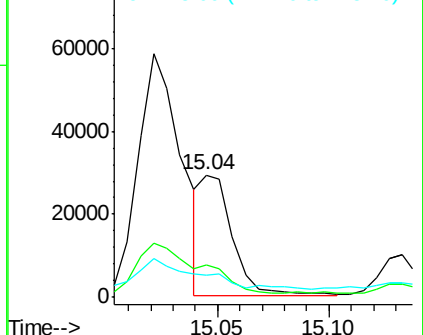
125 17.8 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 5.295 ng/mL

RT: 15.39 min Scan# 2261

Delta R.T. -0.01 min

Lab File: BF104896.D

Acq: 27 Apr 2018 21:59

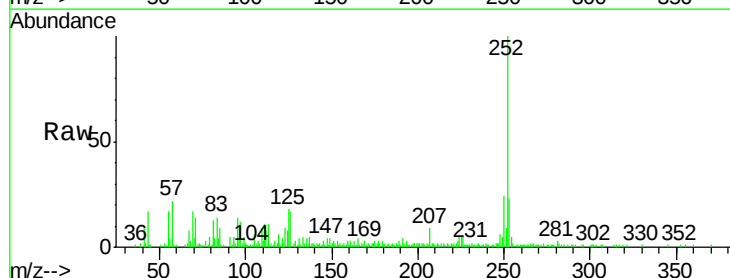
Tgt Ion: 252 Resp: 51817

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

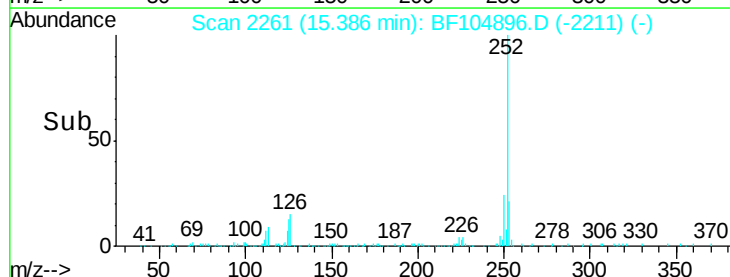
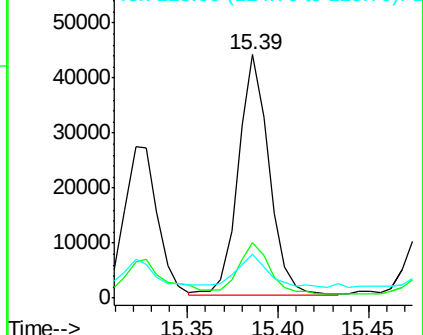
125 17.8 9.8 14.6#

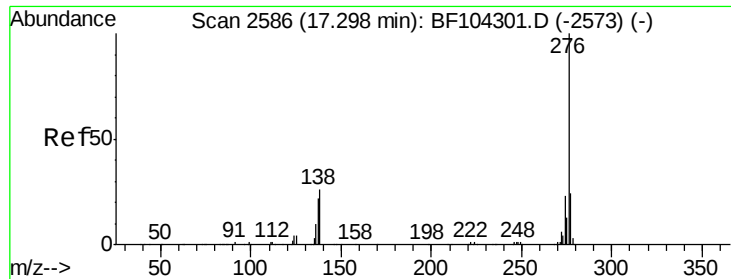


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

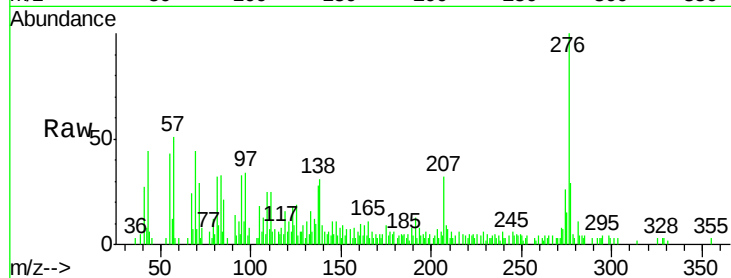
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 3.732 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.01 min
 Lab File: BF104896.D
 Acq: 27 Apr 2018 21:59

Tot Ion:	276	Resp:	29057
Ion	Ratio	Lower	Upper
276	100		
277	29.1	17.9	26.9#
138	31.3	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

