

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104895.D
 Acq On : 27 Apr 2018 21:32
 Operator : JU/SJ
 Sample : J2566-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Apr 27 22:52:31 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	99323	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	397287	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	168027	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	270392	20.00	ng	0.00
75) Chrysene-d12	13.98	240	208422	20.00	ng	0.00
86) Perylene-d12	15.45	264	165840	20.00	ng	0.00

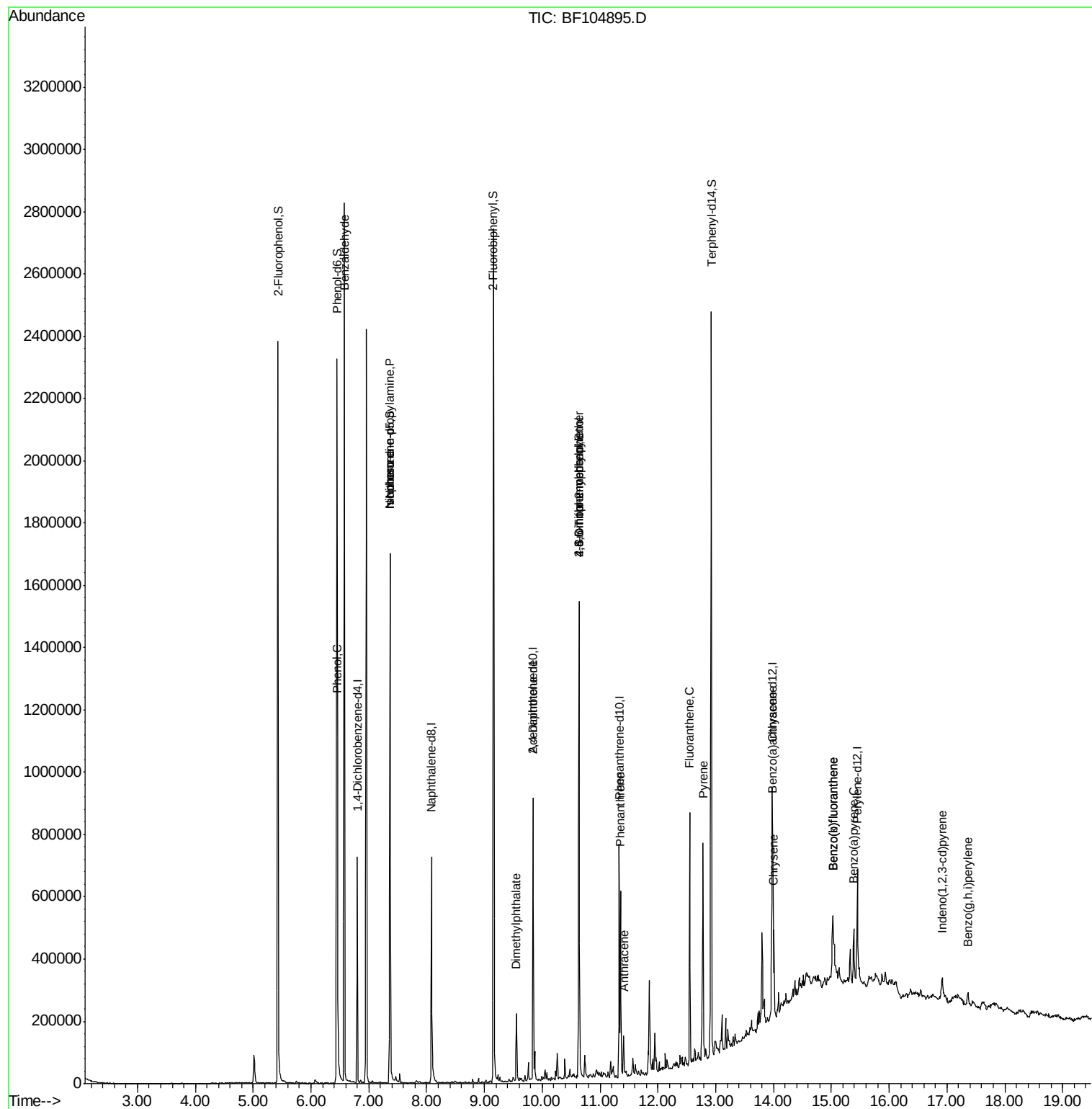
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	813404	125.22	ng	0.02
7) Phenol-d6	6.45	99	975297	122.20	ng	0.00
23) Nitrobenzene-d5	7.37	82	585833	96.29	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	222733	127.79	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	959193	90.18	ng	0.00
78) Terphenyl-d14	12.92	244	768638	84.08	ng	0.00

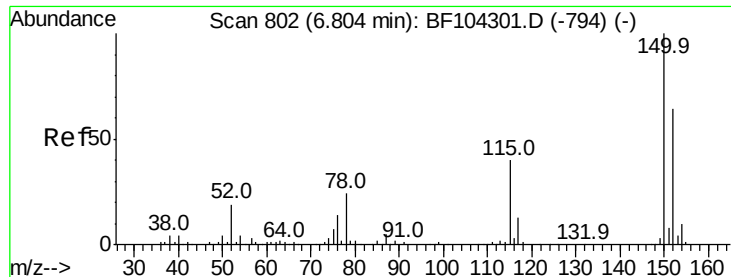
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.57	77	17685	2.098	ng	81
10) Phenol	6.46	94	19208	2.268	ng	84
19) n-Nitroso-di-n-propylamine	7.37	70	75931	14.559	ng	# 71
25) Isophorone	7.37	82	585902	45.539	ng	# 64
49) Dimethylphthalate	9.55	163	89522	6.756	ng	99
56) 2,4-Dinitrotoluene	9.84	165	22066	6.861	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	497	7.667	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	13181	4.583	ng	# 1
70) Phenanthrene	11.36	178	209667	13.924	ng	98
71) Anthracene	11.41	178	54080	3.533	ng	97
74) Fluoranthene	12.55	202	311007	19.768	ng	96
76) Benzidine	12.92	184	10568	Below Cal		99
77) Pyrene	12.78	202	274615	17.776	ng	98
80) Benzo(a)anthracene	13.97	228	125074	10.045	ng	99
82) Chrysene	14.01	228	115322	9.017	ng	96
85) Indeno(1,2,3-cd)pyrene	16.92	276	42658	3.926	ng	# 92
87) Benzo(b)fluoranthene	15.02	252	159797	15.256	ng	# 92
88) Benzo(k)fluoranthene	15.02	252	159797	16.160	ng	# 94
89) Benzo(a)pyrene	15.39	252	81988	8.748	ng	# 93
91) Benzo(a,h,i)perylene	17.36	276	45755	6.136	ng	95

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

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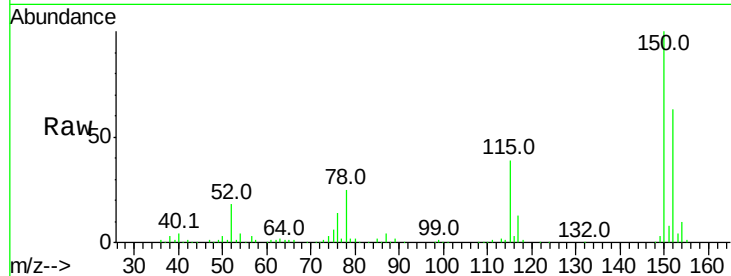




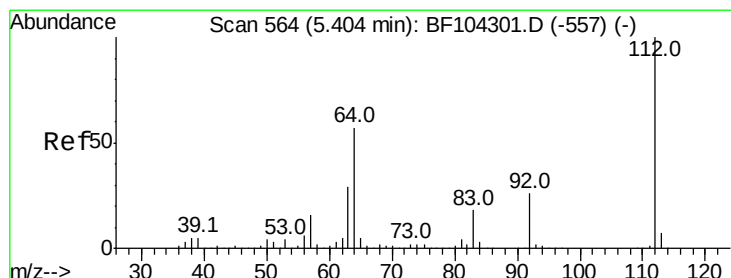
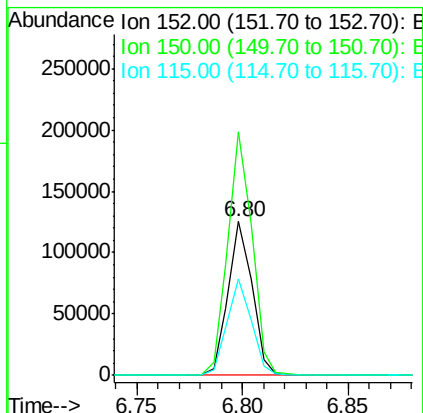
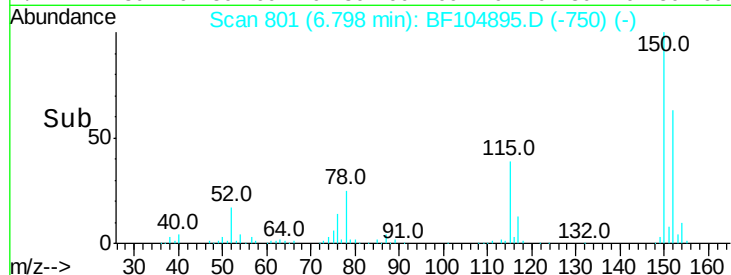
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tot Ion:152 Resp: 99323
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 62.6 50.1 75.1



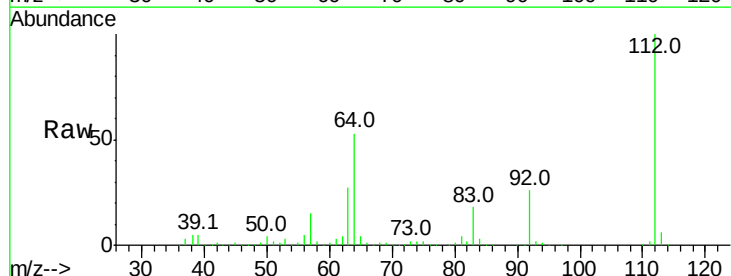
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



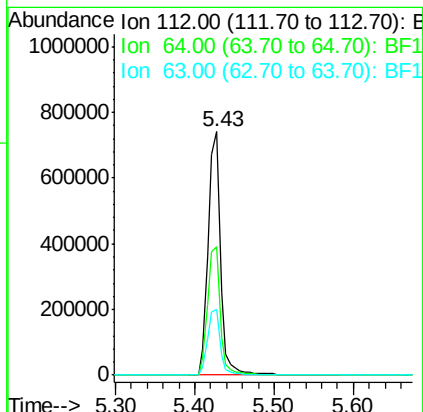
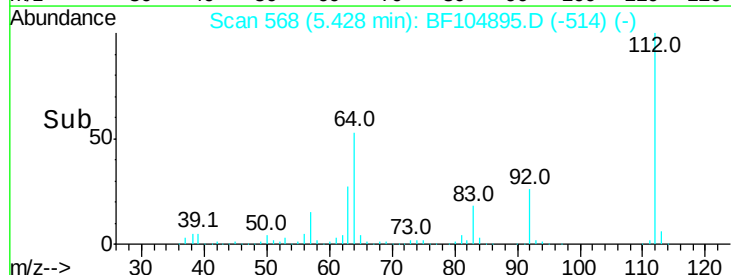
#5

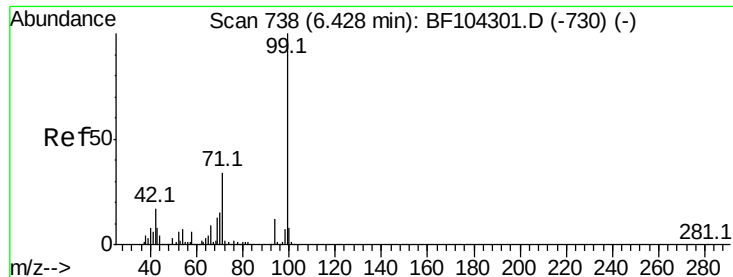
2-Fluorophenol
Concen: 125.222 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt Ion:112 Resp: 813404
Ion Ratio Lower Upper
112 100
64 52.8 47.9 71.9
63 27.2 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: 122.201 ng

RT: 6.45 min Scan# 742

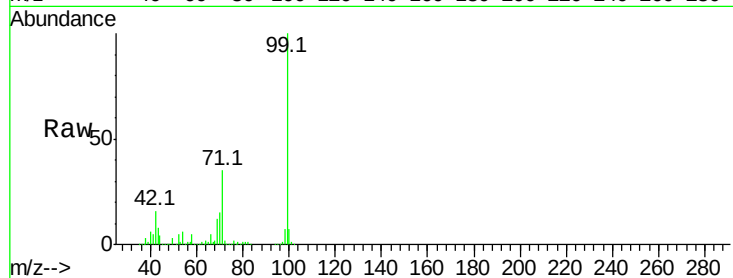
Delta R.T. 0.01 min

Lab File: BF104895.D

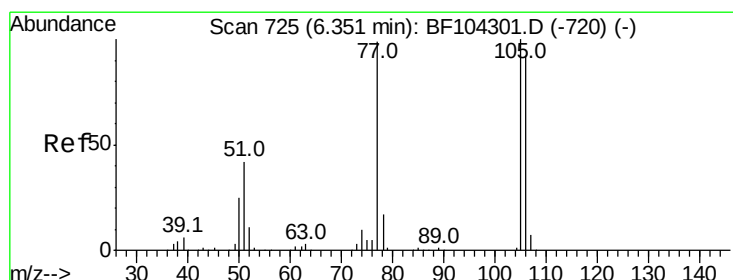
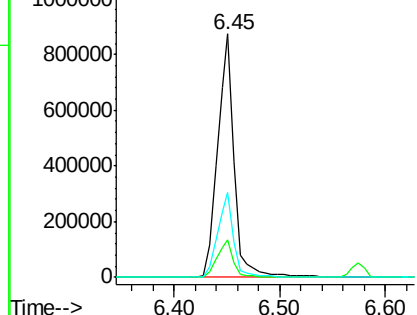
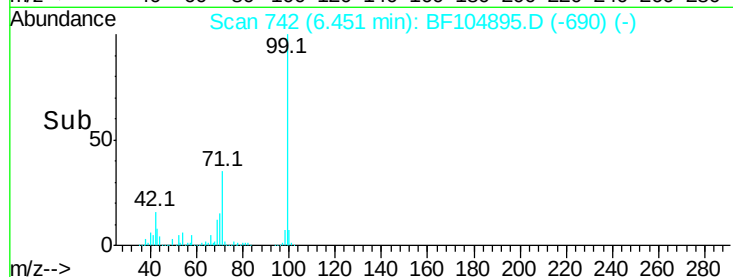
Acq: 27 Apr 2018 21:32

Tot Ion: 99 Resp: 975297

Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	34.6	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



#9

Benzaldehyde

Concen: 2.098 ng

RT: 6.57 min Scan# 763

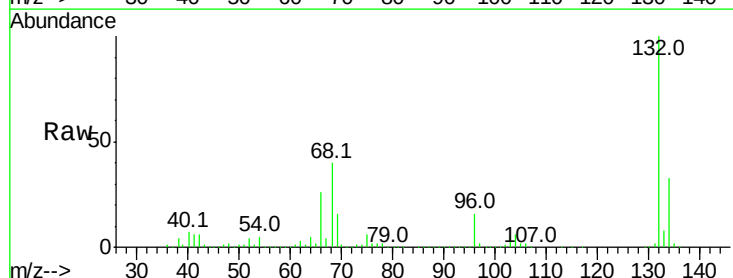
Delta R.T. 0.22 min

Lab File: BF104895.D

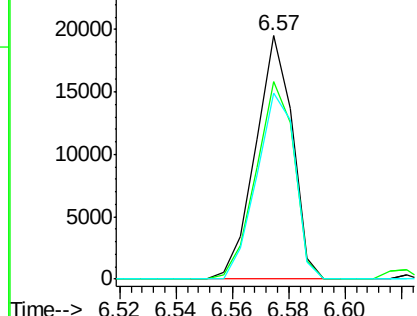
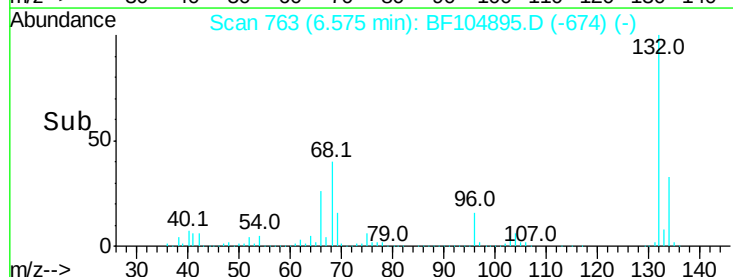
Acq: 27 Apr 2018 21:32

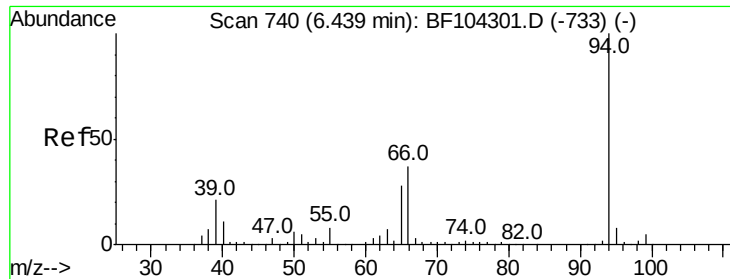
Tgt Ion: 77 Resp: 17685

Ion	Ratio	Lower	Upper
77	100		
105	81.2	81.1	121.1
106	76.3	74.5	114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#10

Phenol

Concen: 2.268 ng

RT: 6.46 min Scan# 744

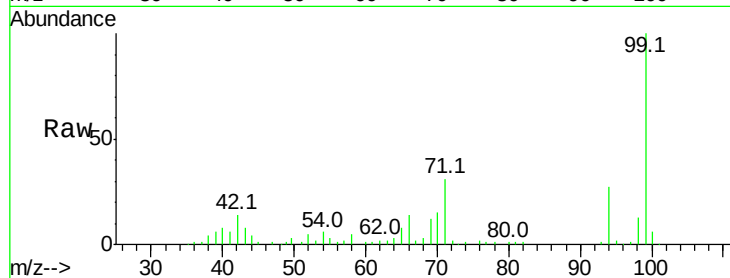
Delta R.T. 0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tot Ion: 94 Resp: 19208

Ion	Ratio	Lower	Upper
94	100		
65	29.7	7.9	47.9
66	51.3	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

50000

40000

30000

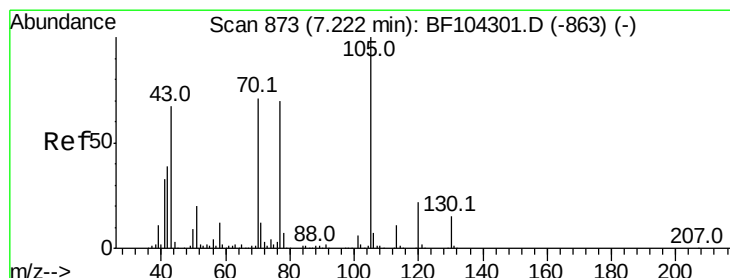
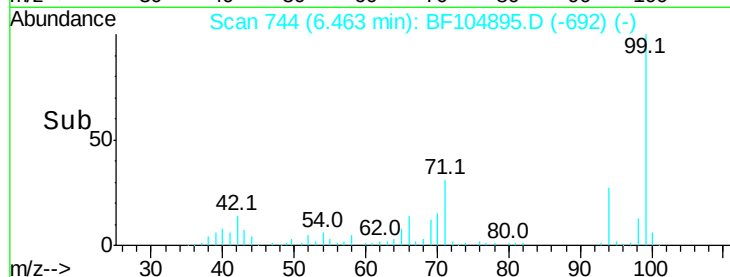
20000

10000

0

6.40 6.45 6.50 6.55

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 14.559 ng

RT: 7.37 min Scan# 898

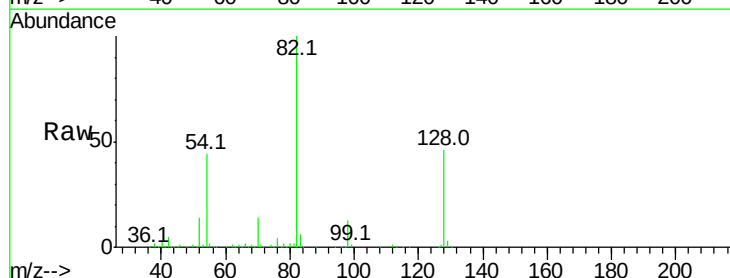
Delta R.T. 0.15 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tgt Ion: 70 Resp: 75931

Ion	Ratio	Lower	Upper
70	100		
42	40.2	47.5	71.3#
101	0.0	7.4	11.2#
130	2.4	16.6	25.0#



Abundance

Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

120000

100000

80000

60000

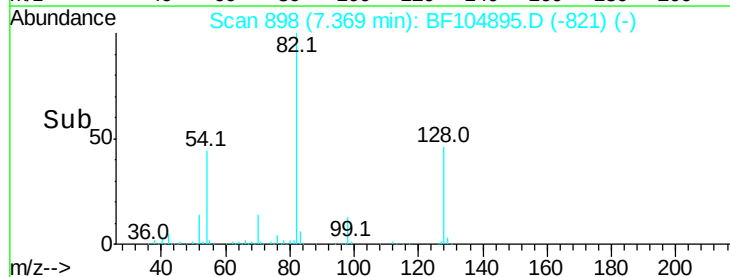
40000

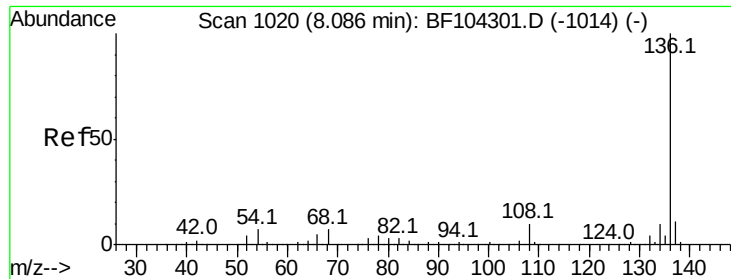
20000

0

7.30 7.35 7.40 7.45

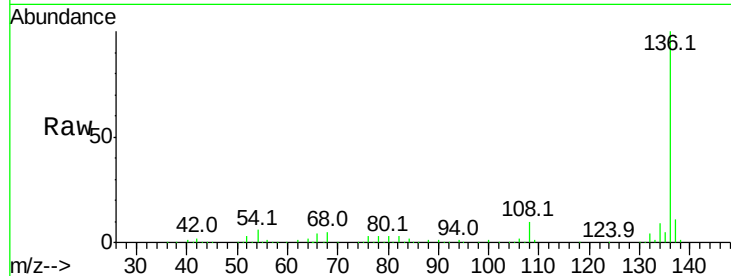
Time-->



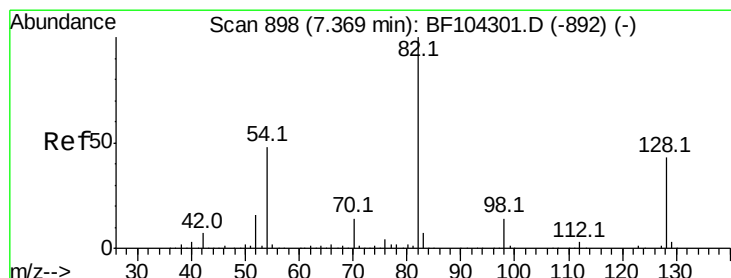
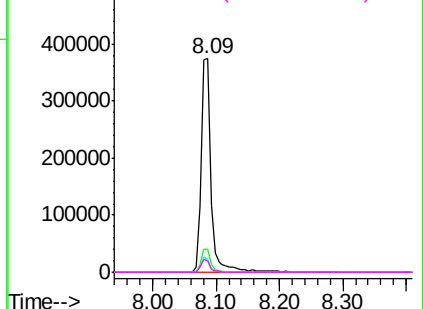
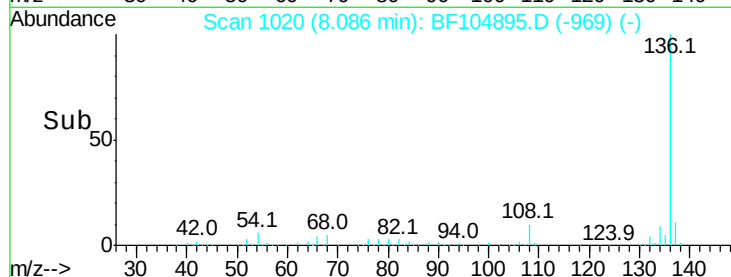


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tot Ion:136	Resp:	397287
Ion Ratio	Lower	Upper
136 100		
137 10.6	8.9	13.3
54 5.9	6.6	9.8#
68 5.4	5.0	7.4

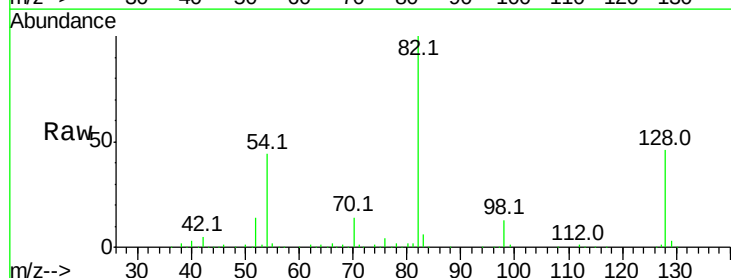


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

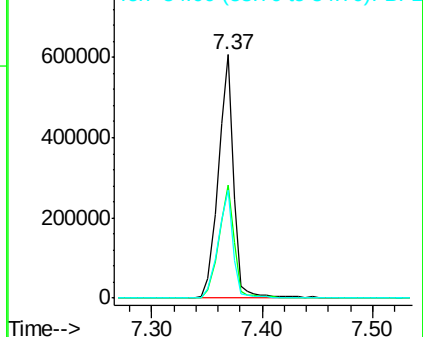
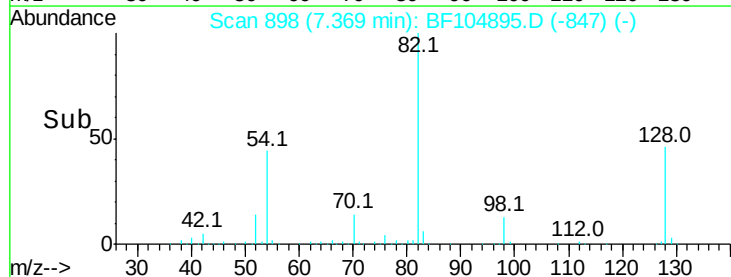


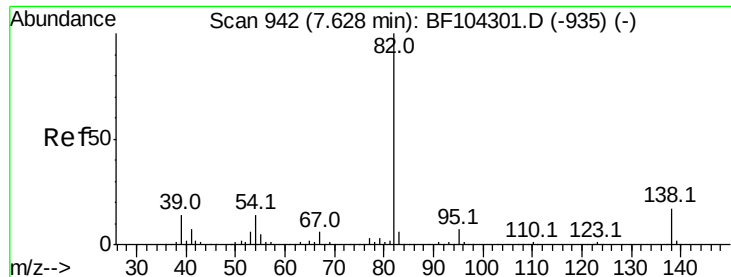
#23
Nitrobenzene-d5
Concen: 96.287 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt Ion: 82	Resp: 585833
Ion Ratio	Lower Upper
82 100	
128 46.4	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





#25

Isophorone

Concen: 45.539 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

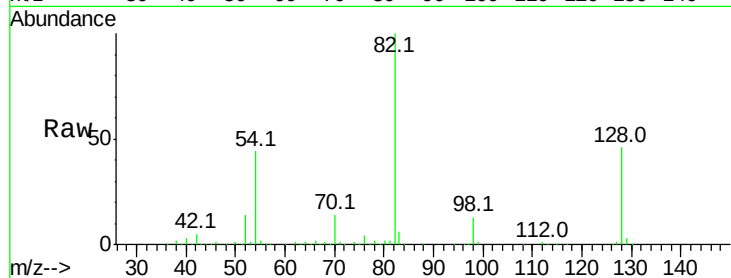
Tot Ion: 82 Resp: 585902

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

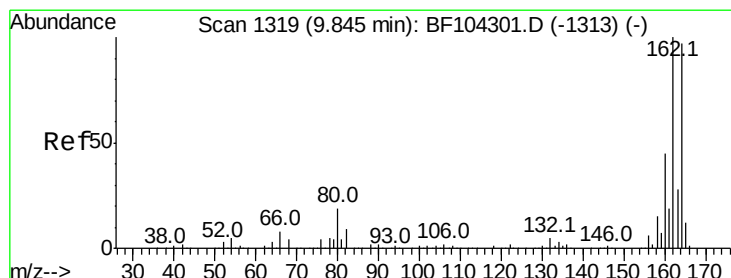
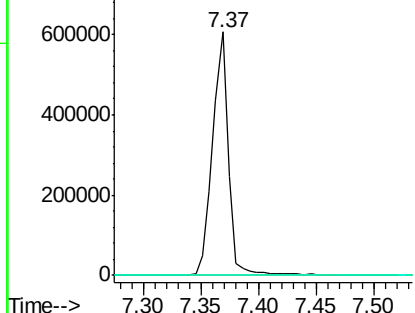
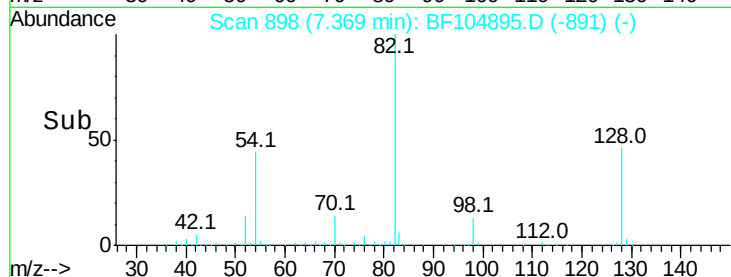
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

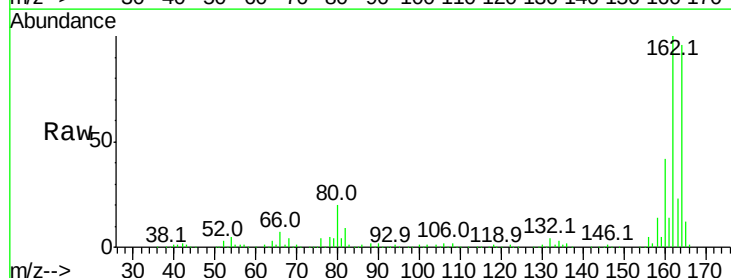
Tgt Ion:164 Resp: 168027

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

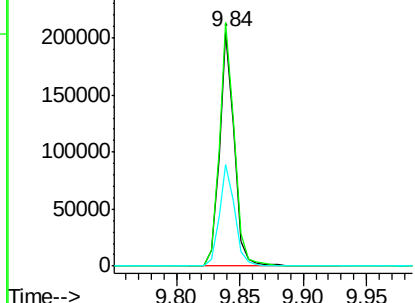
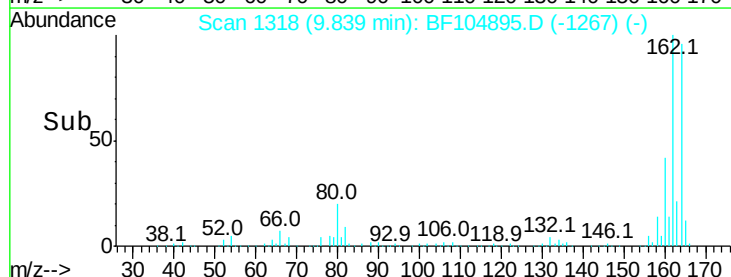
160 43.8 38.3 57.5

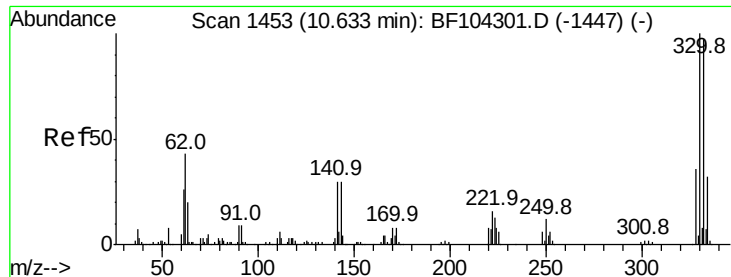


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

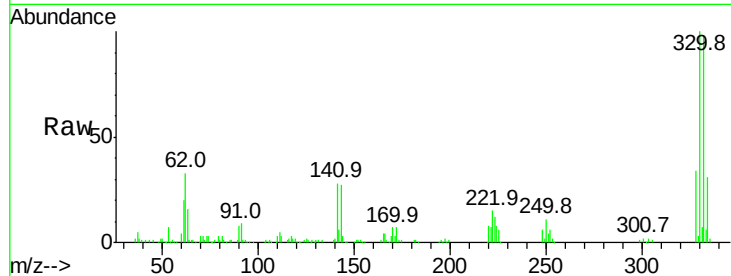
Ion 160.00 (159.70 to 160.70): E



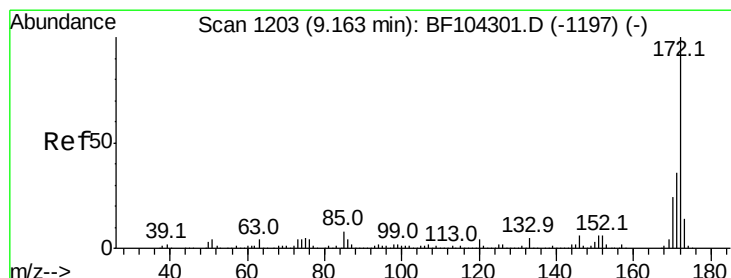
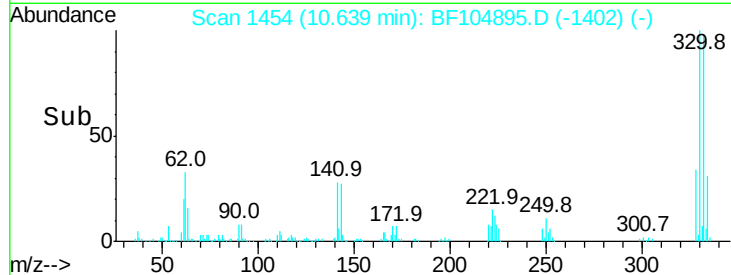
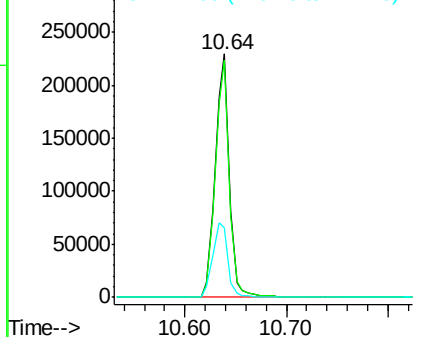


#41
 2,4,6-Tribromophenol
 Concen: 127.788 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	33.5	29.9	44.9

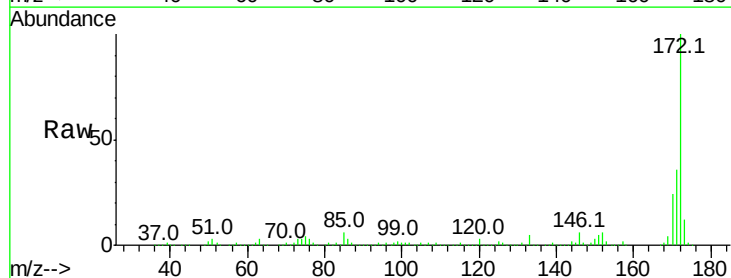


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

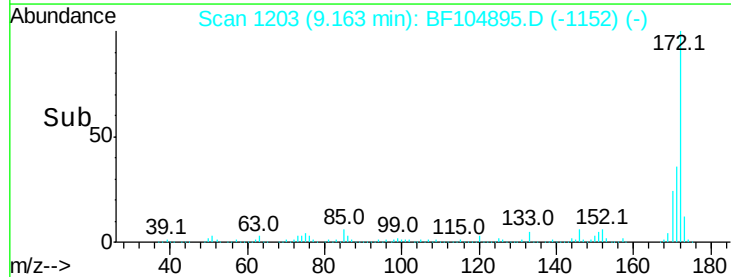
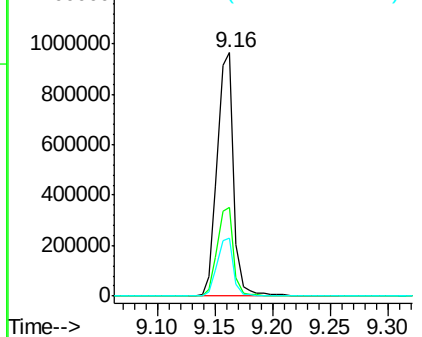


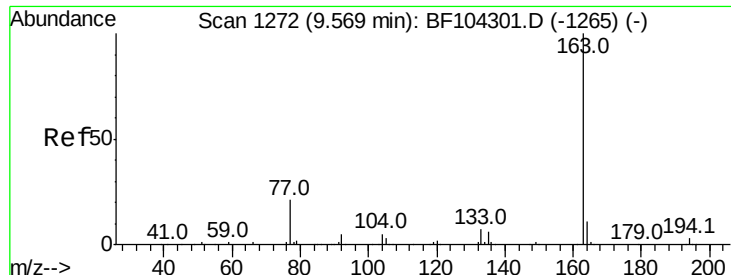
#44
 2-Fluorobiphenyl
 Concen: 90.181 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	23.6	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: 6.756 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

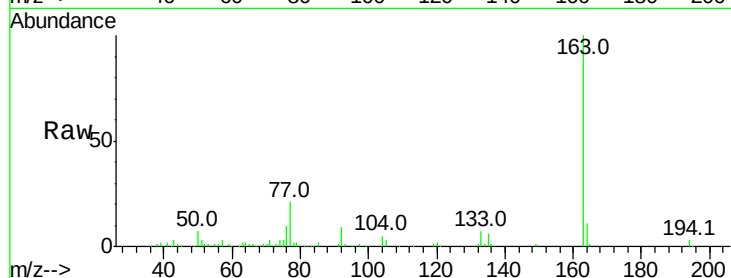
Tot Ion:163 Resp: 89522

Ion Ratio Lower Upper

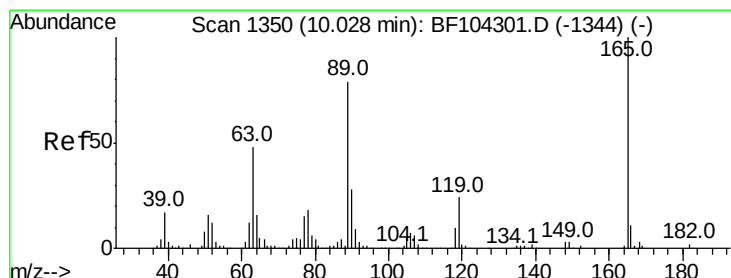
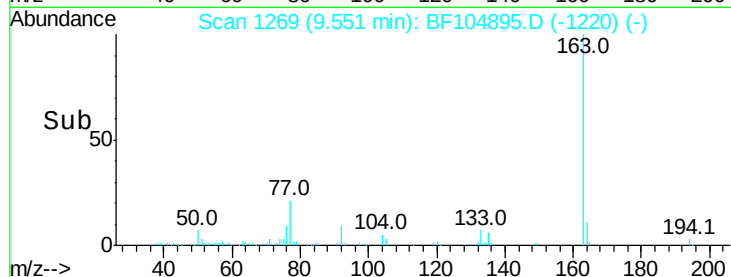
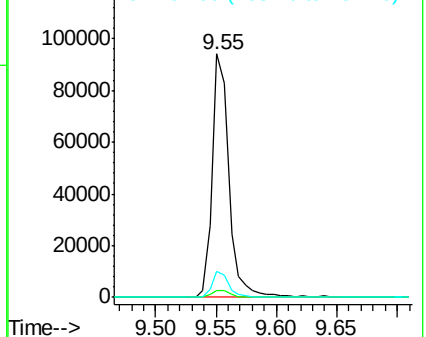
163 100

194 3.1 2.7 4.1

164 10.7 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



#56

2,4-Dinitrotoluene

Concen: 6.861 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tgt Ion:165 Resp: 22066

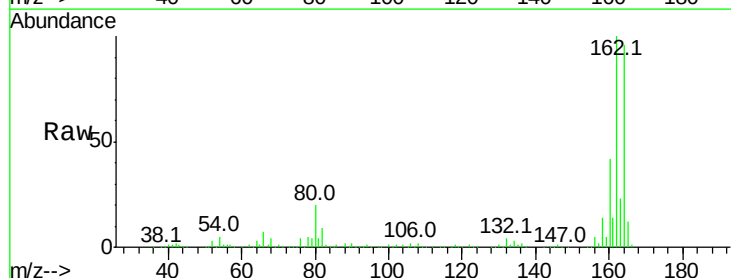
Ion Ratio Lower Upper

165 100

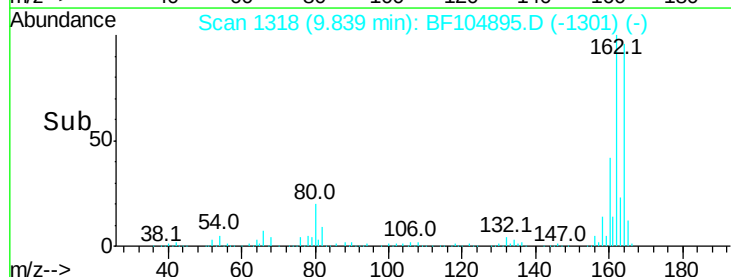
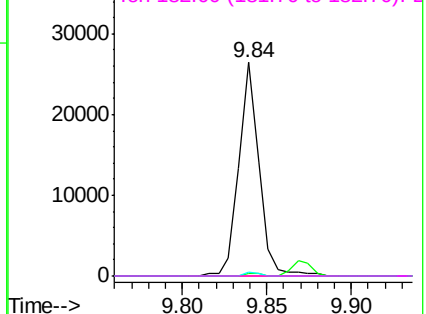
63 1.2 36.4 54.6#

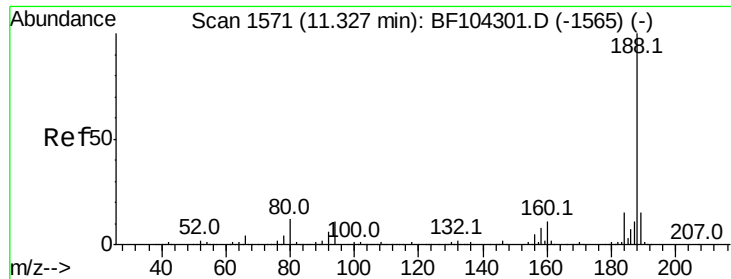
89 1.6 57.8 86.6#

182 0.0 1.6 2.4#



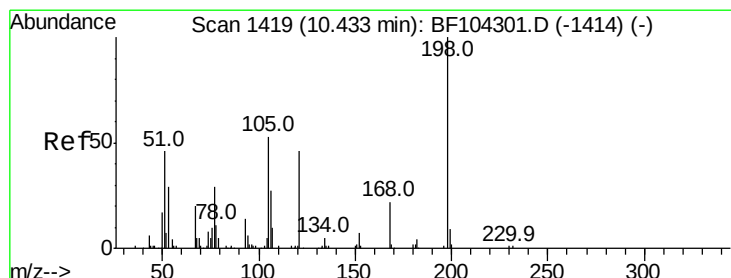
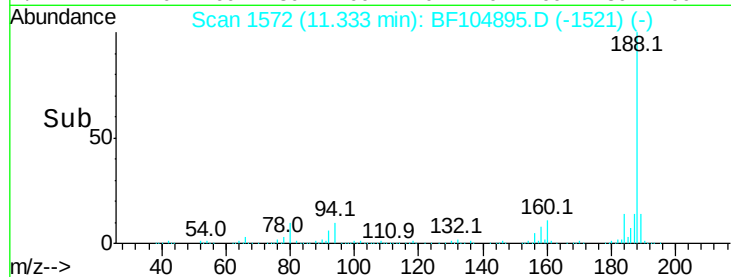
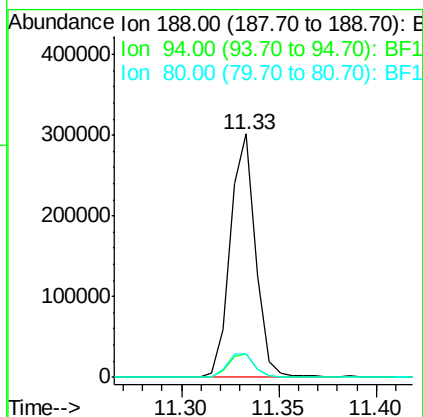
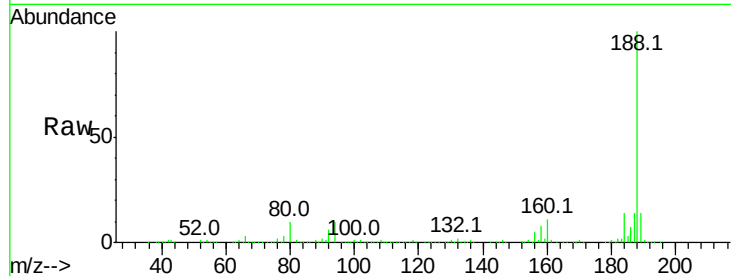
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





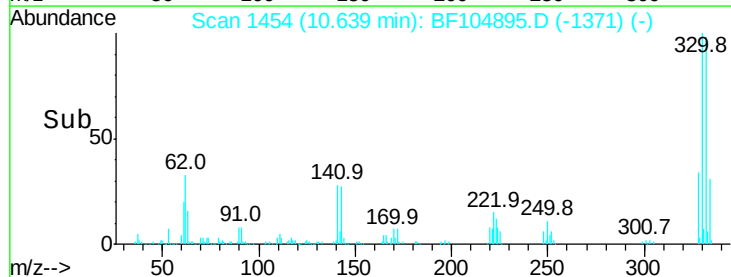
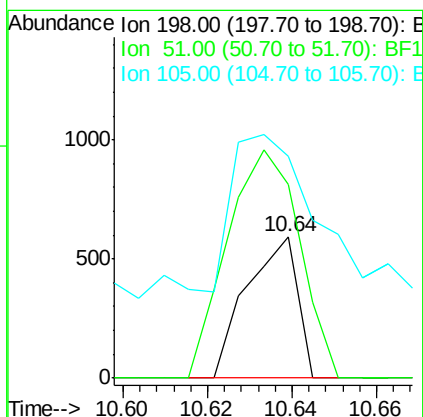
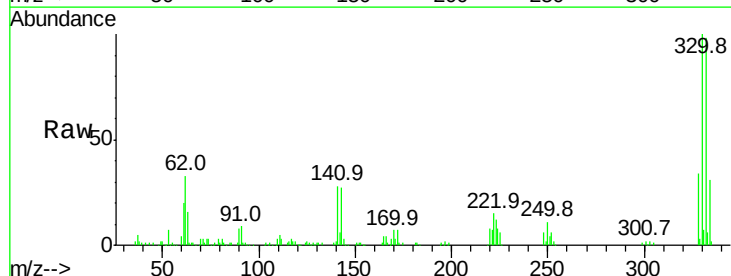
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

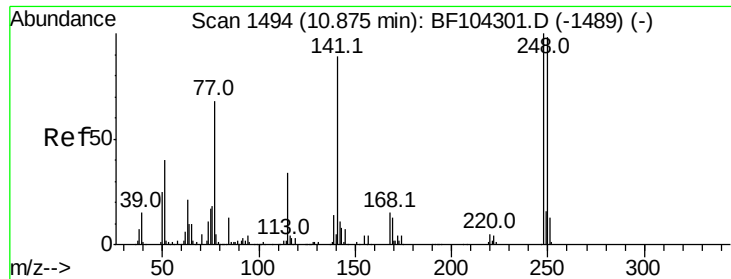
Tot Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	9.7	9.2	13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.667 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

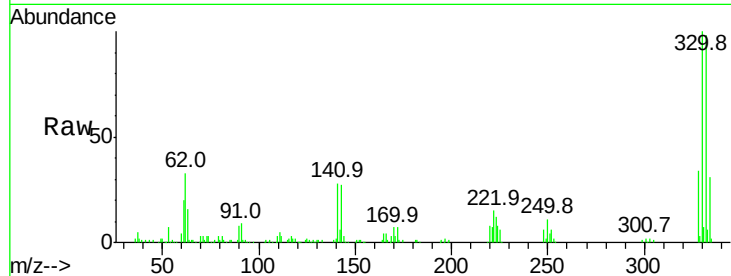
Tgt Ion	Ratio	Lower	Upper
198	100		
51	136.6	37.7	77.7#
105	156.6	36.3	76.3#



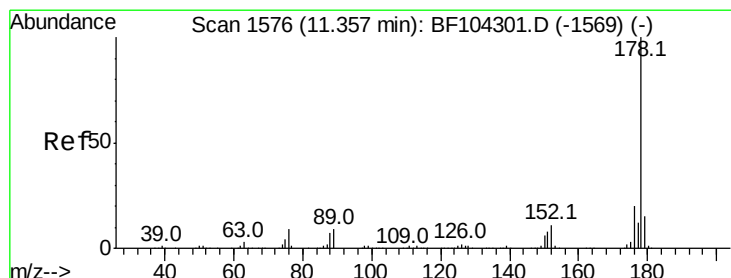
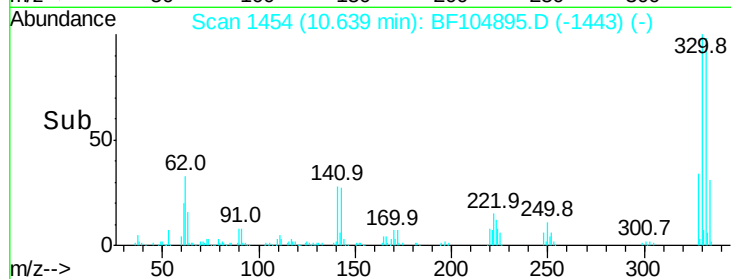
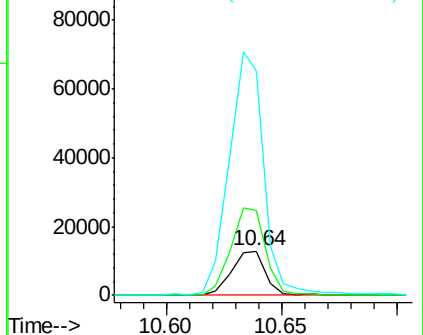


#66
 4-Bromophenyl-phenylether
 Concen: 4.583 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion:248 Resp: 13181
 Ion Ratio Lower Upper
 248 100
 250 192.8 76.9 115.3#
 141 505.4 74.4 111.6#

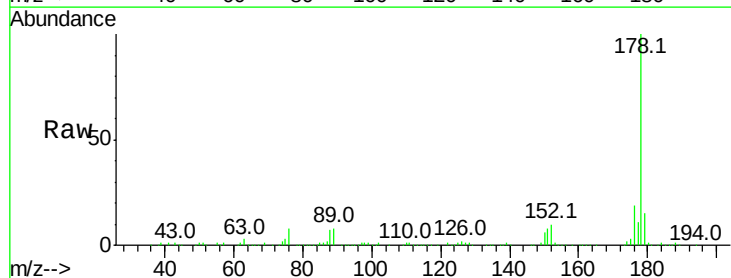


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

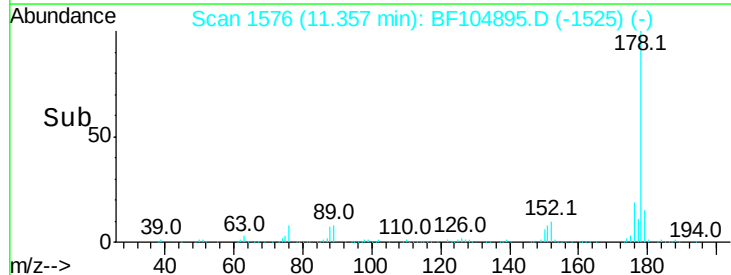
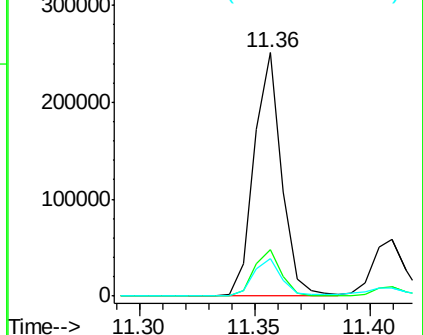


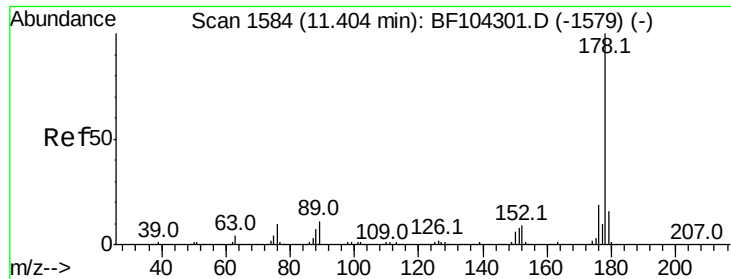
#70
 Phenanthrene
 Concen: 13.924 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tgt Ion:178 Resp: 209667
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.3 13.0 19.6



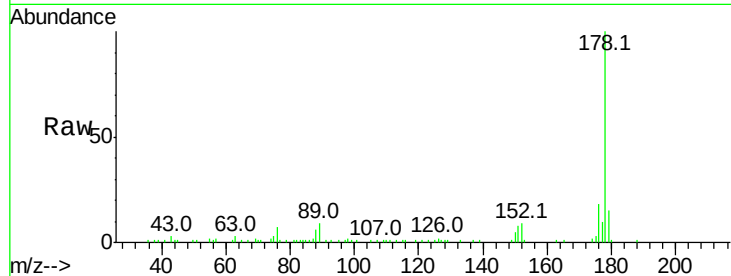
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



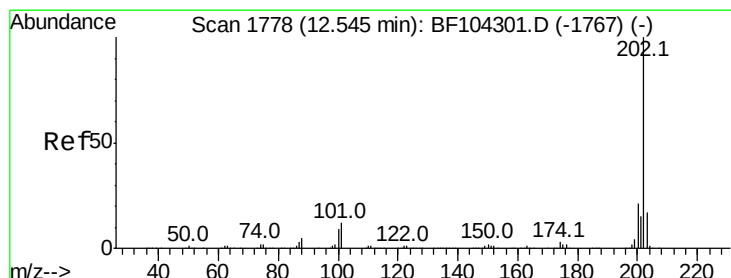
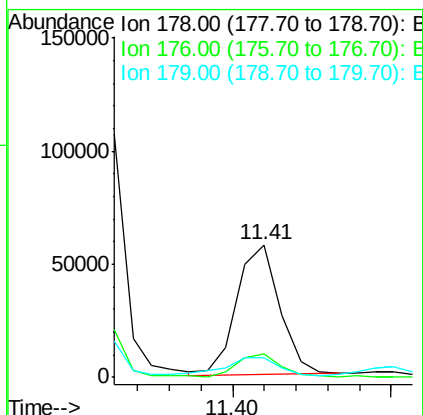
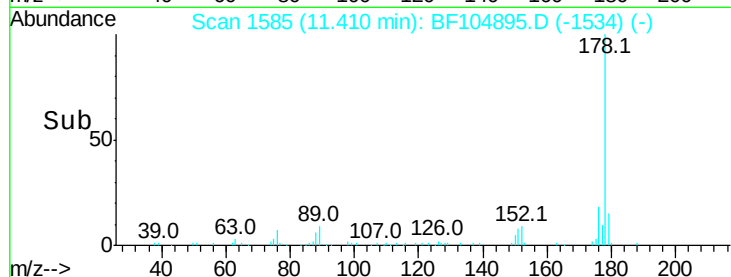


#71
 Anthracene
 Concen: 3.533 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	14.9	12.6	19.0

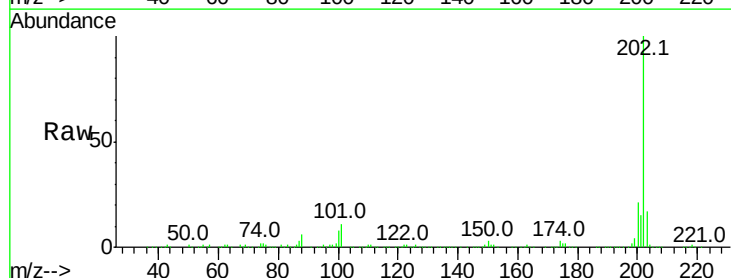


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

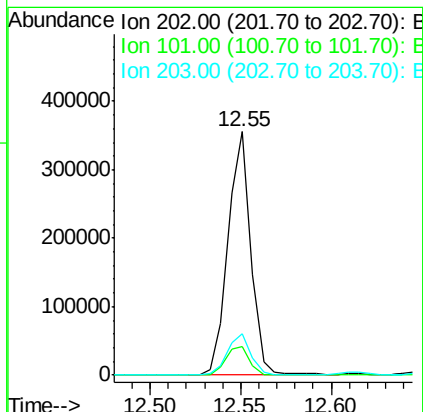
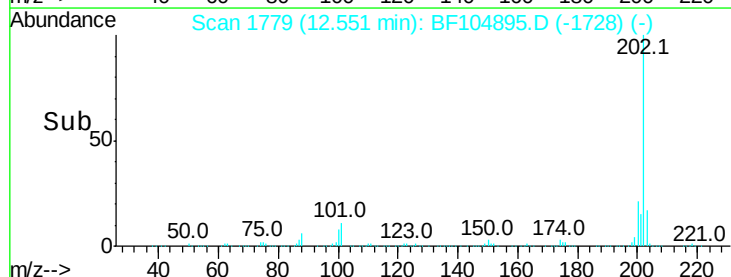


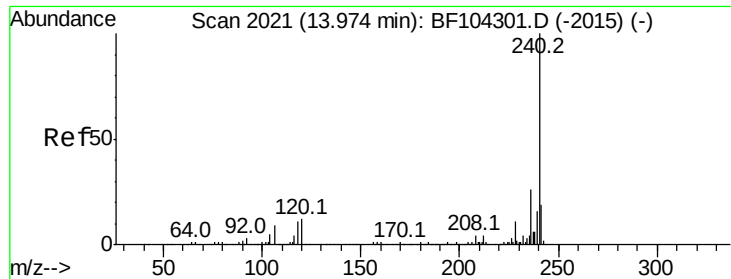
#74
 Fluoranthene
 Concen: 19.768 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.1
203	17.2	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

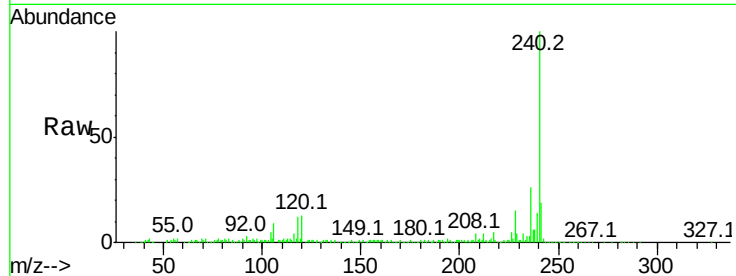
Delta R.T. -0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tot Ion:240 Resp: 208422

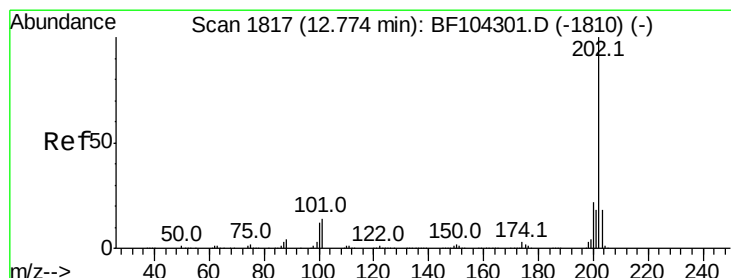
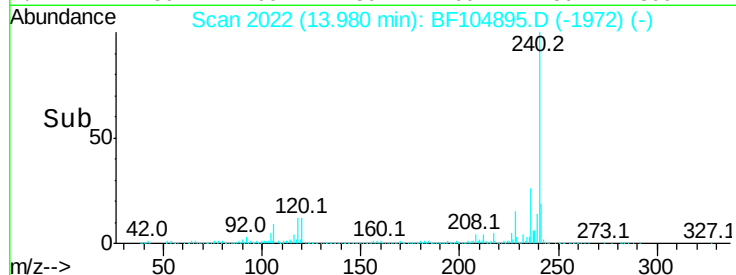
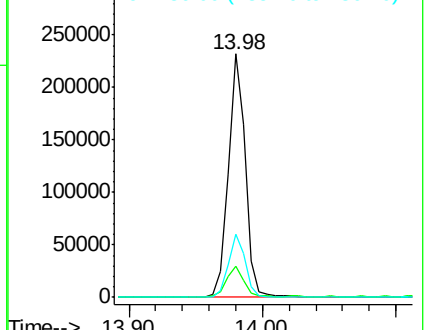
Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.5	14.3
236	26.2	20.7	31.1



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: 17.776 ng

RT: 12.78 min Scan# 1818

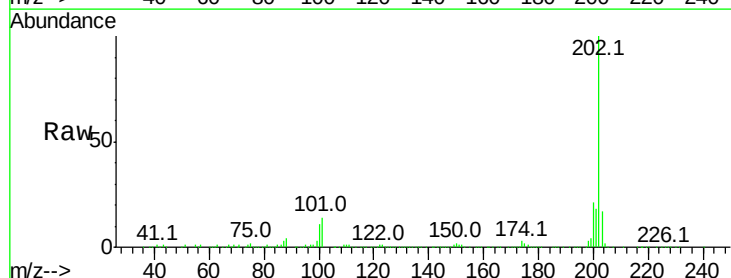
Delta R.T. 0.00 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tgt Ion:202 Resp: 274615

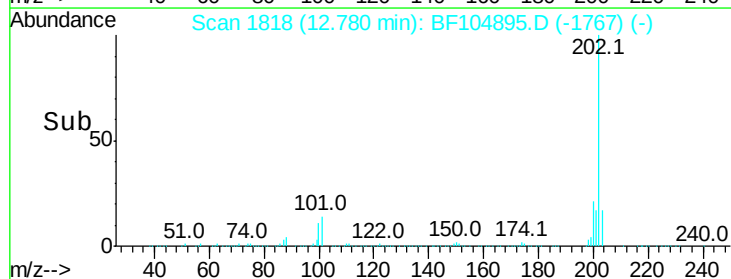
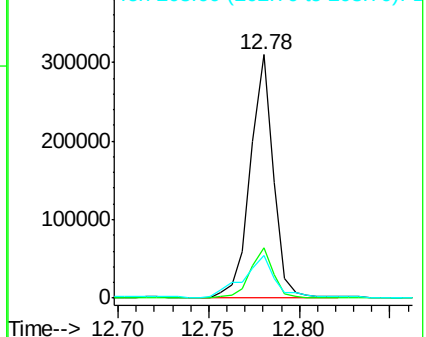
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.3	14.3	21.5

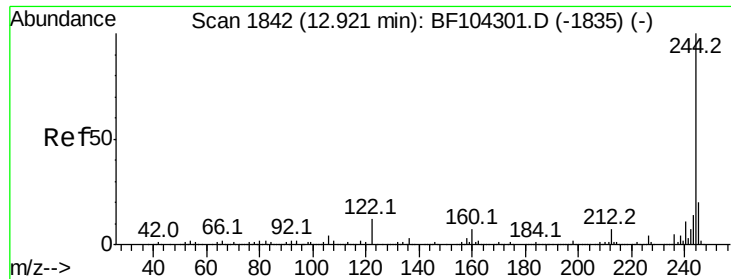


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

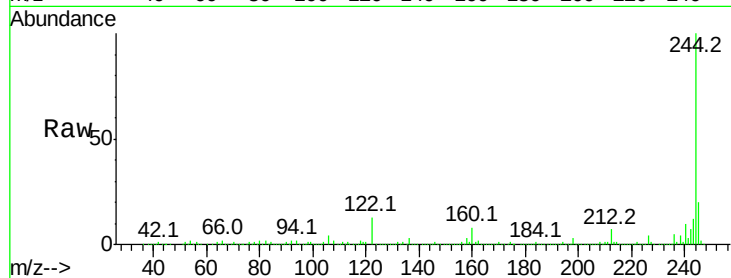




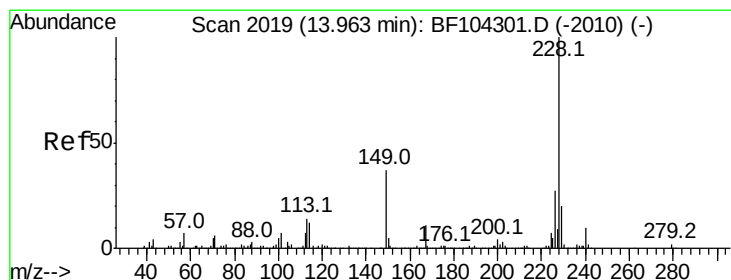
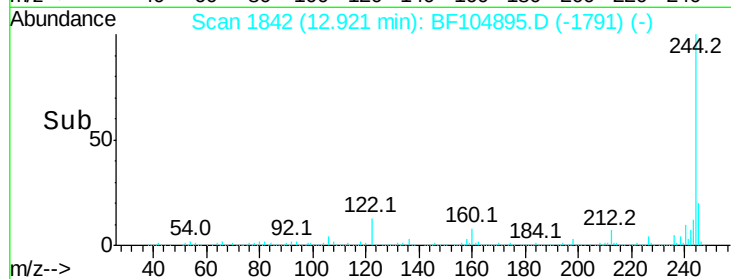
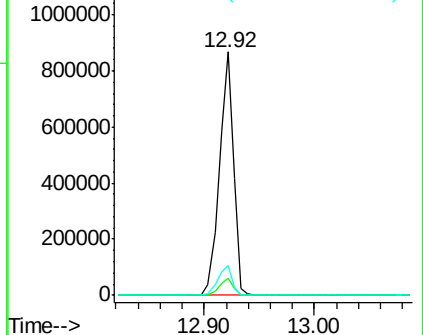
#78
 Terphenyl-d14
 Concen: 84.078 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion:244 Resp: 768638

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.5	11.0	16.4



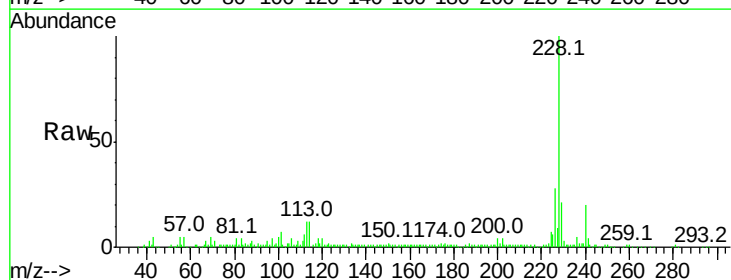
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



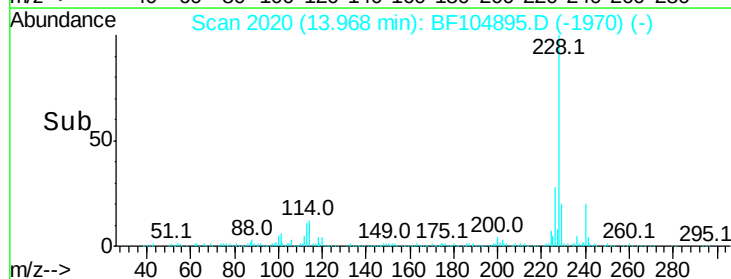
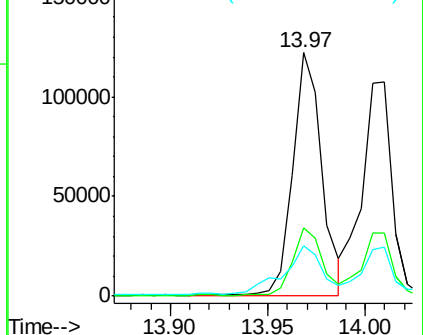
#80
 Benzo(a)anthracene
 Concen: 10.045 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

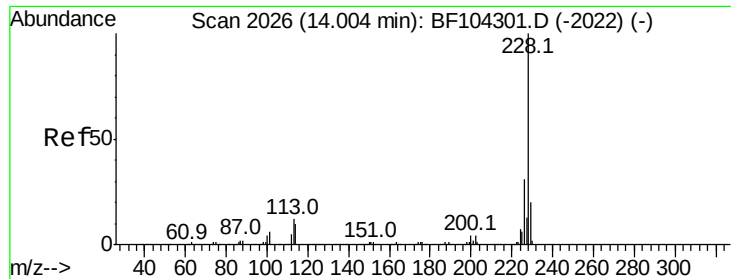
Tgt Ion:228 Resp: 125074

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.8	15.8	23.6



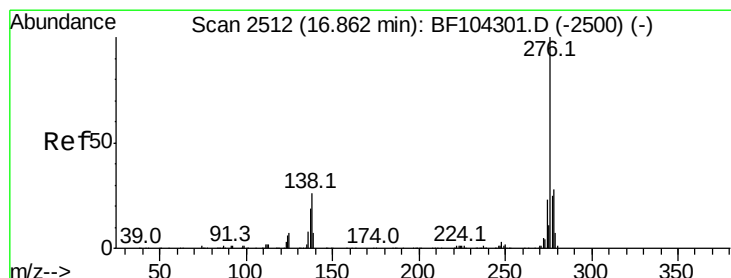
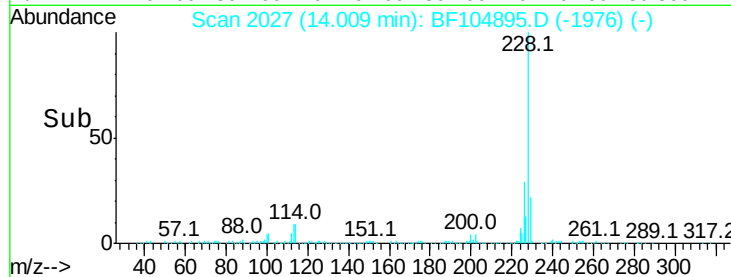
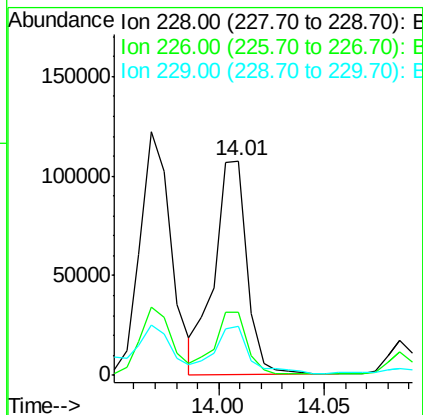
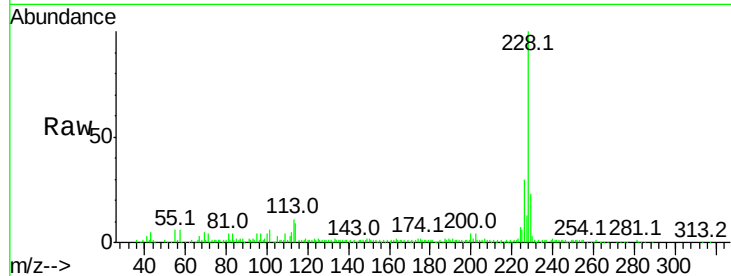
Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





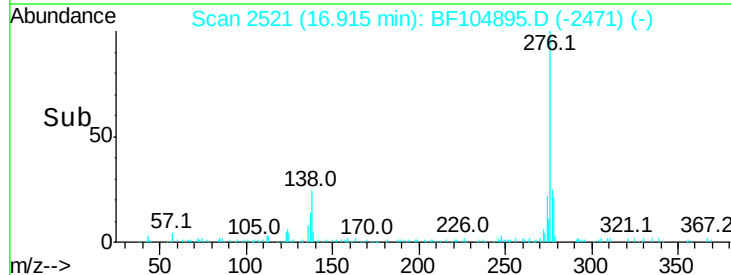
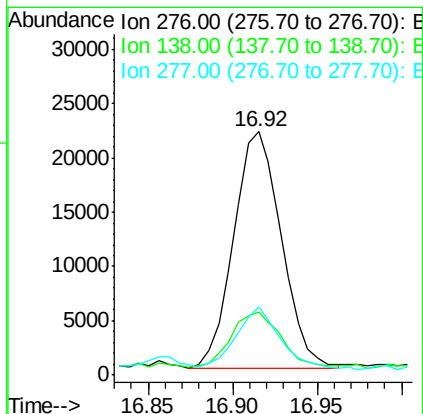
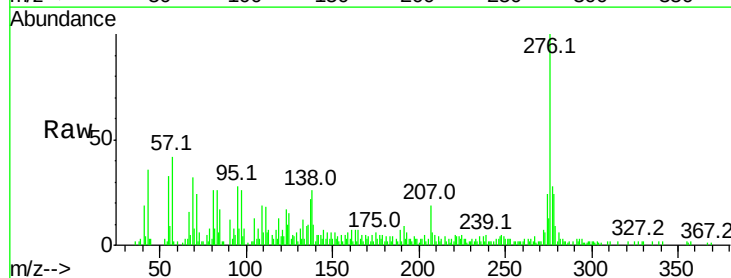
#82
Chrysene
Concen: 9.017 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

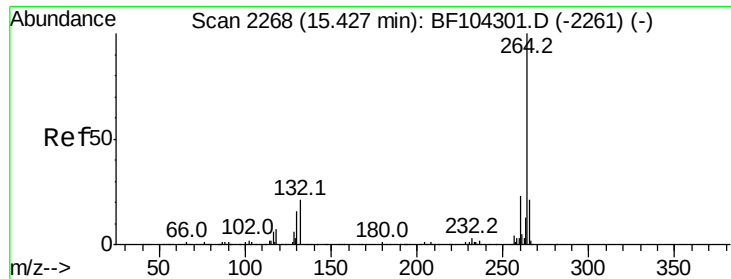
Tot Ion:228	Resp: 115322
Ion Ratio	Lower Upper
228 100	
226 29.7	25.0 37.6
229 22.7	16.2 24.4



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.926 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt	Ion:276	Resp:	42658
Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	24.7	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

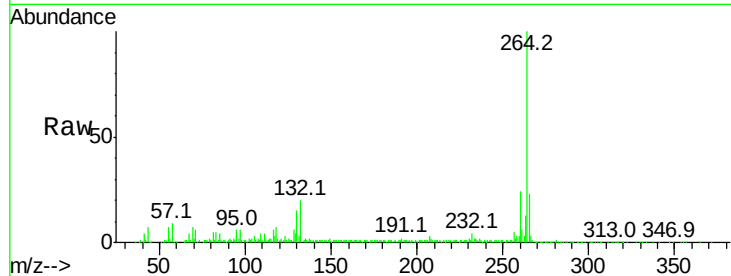
Delta R.T. 0.00 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tot Ion:264 Resp: 165840

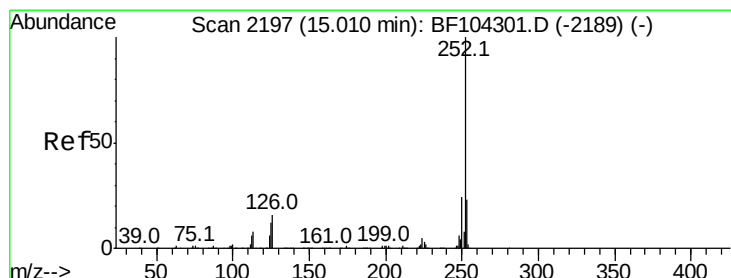
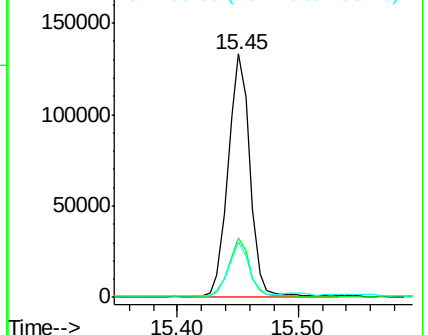
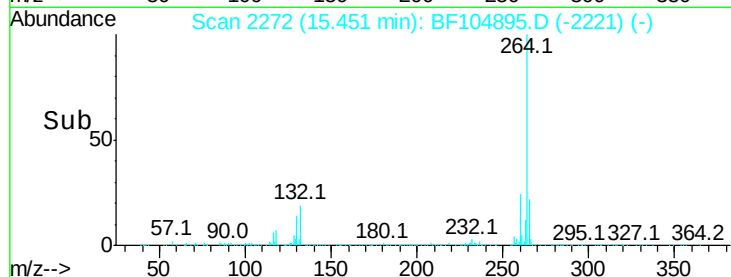
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.7	17.5	26.3



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



#87

Benzo(b)fluoranthene

Concen: 15.256 ng

RT: 15.02 min Scan# 2199

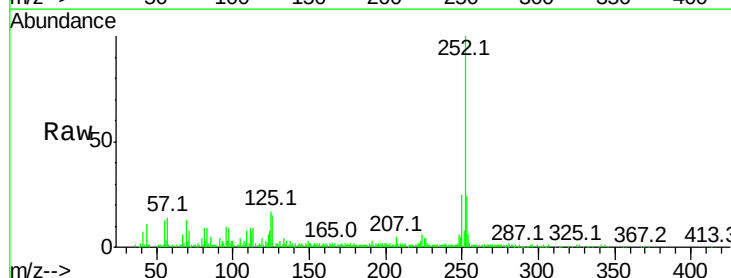
Delta R.T. -0.01 min

Lab File: BF104895.D

Acq: 27 Apr 2018 21:32

Tgt Ion:252 Resp: 159797

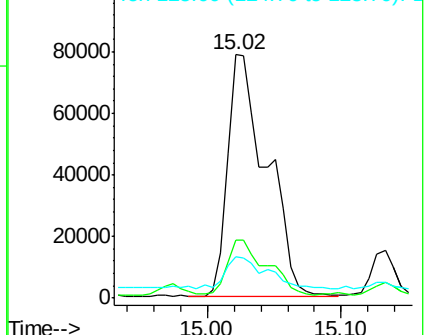
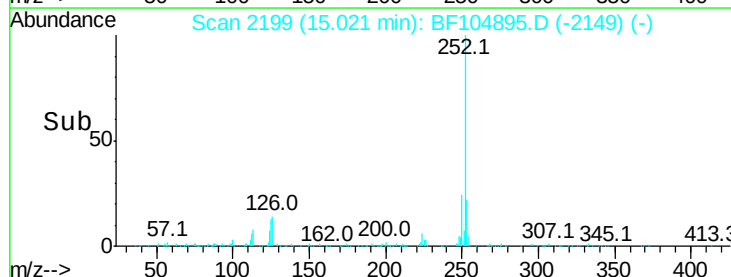
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	17.0	9.0	13.6

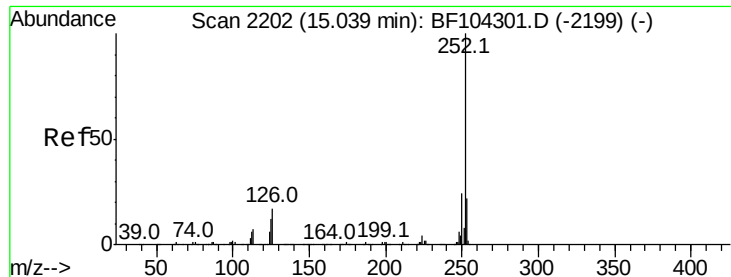


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

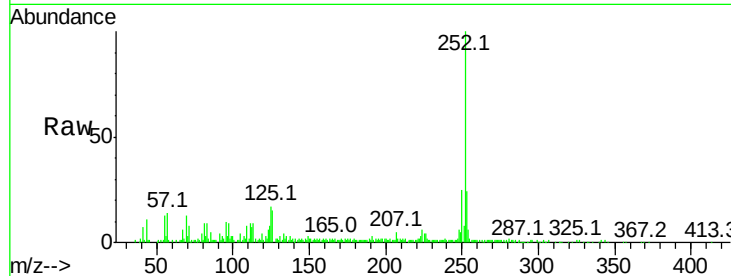
Ion 125.00 (124.70 to 125.70): E



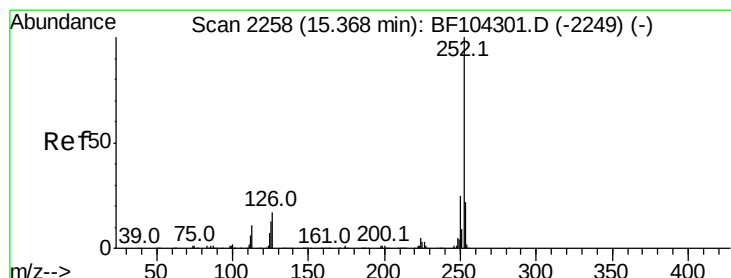
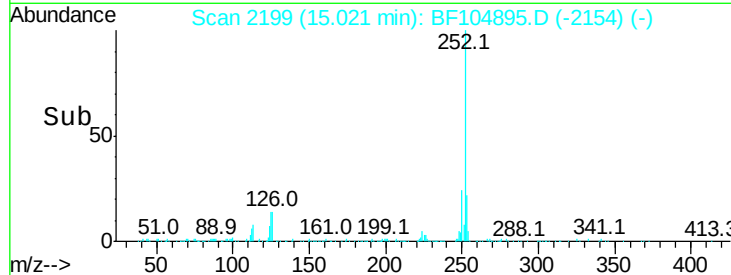
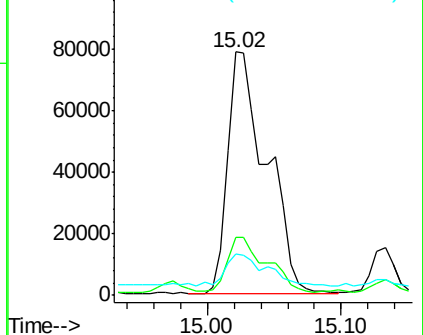


#88
Benzo(k)fluoranthene
Concen: 16.160 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	17.0	10.2	15.2

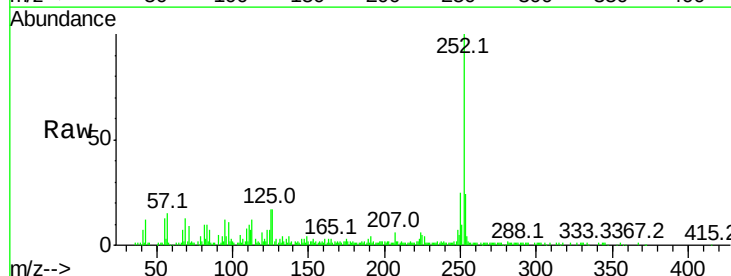


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

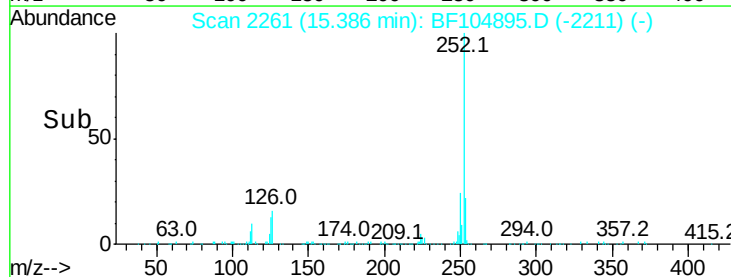
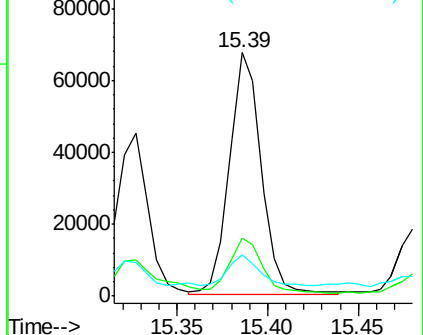


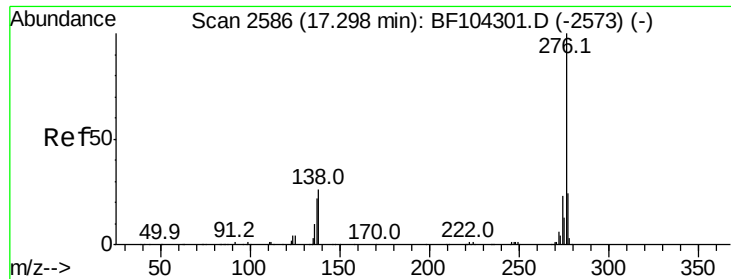
#89
Benzo(a)pyrene
Concen: 8.748 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF104895.D
Acq: 27 Apr 2018 21:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	17.1	9.8	14.6



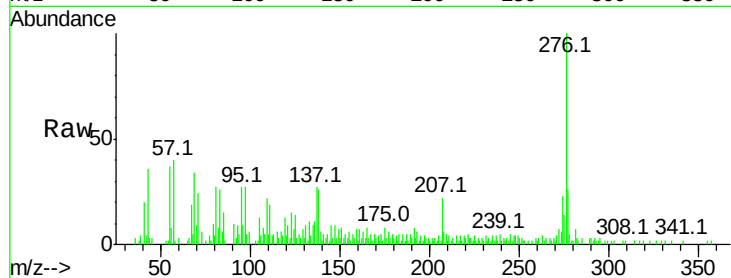
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 6.136 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.01 min
 Lab File: BF104895.D
 Acq: 27 Apr 2018 21:32

Tot Ion:	276	Resp:	45755
Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	25.5	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

