

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104891.D
 Acq On : 27 Apr 2018 19:45
 Operator : JU/SJ
 Sample : J2522-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 27 22:50:00 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	106009	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	414447	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	171113	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	257828	20.00	ng	0.00
75) Chrysene-d12	14.00	240	200297	20.00	ng	0.01
86) Perylene-d12	15.47	264	136898	20.00	ng	0.02

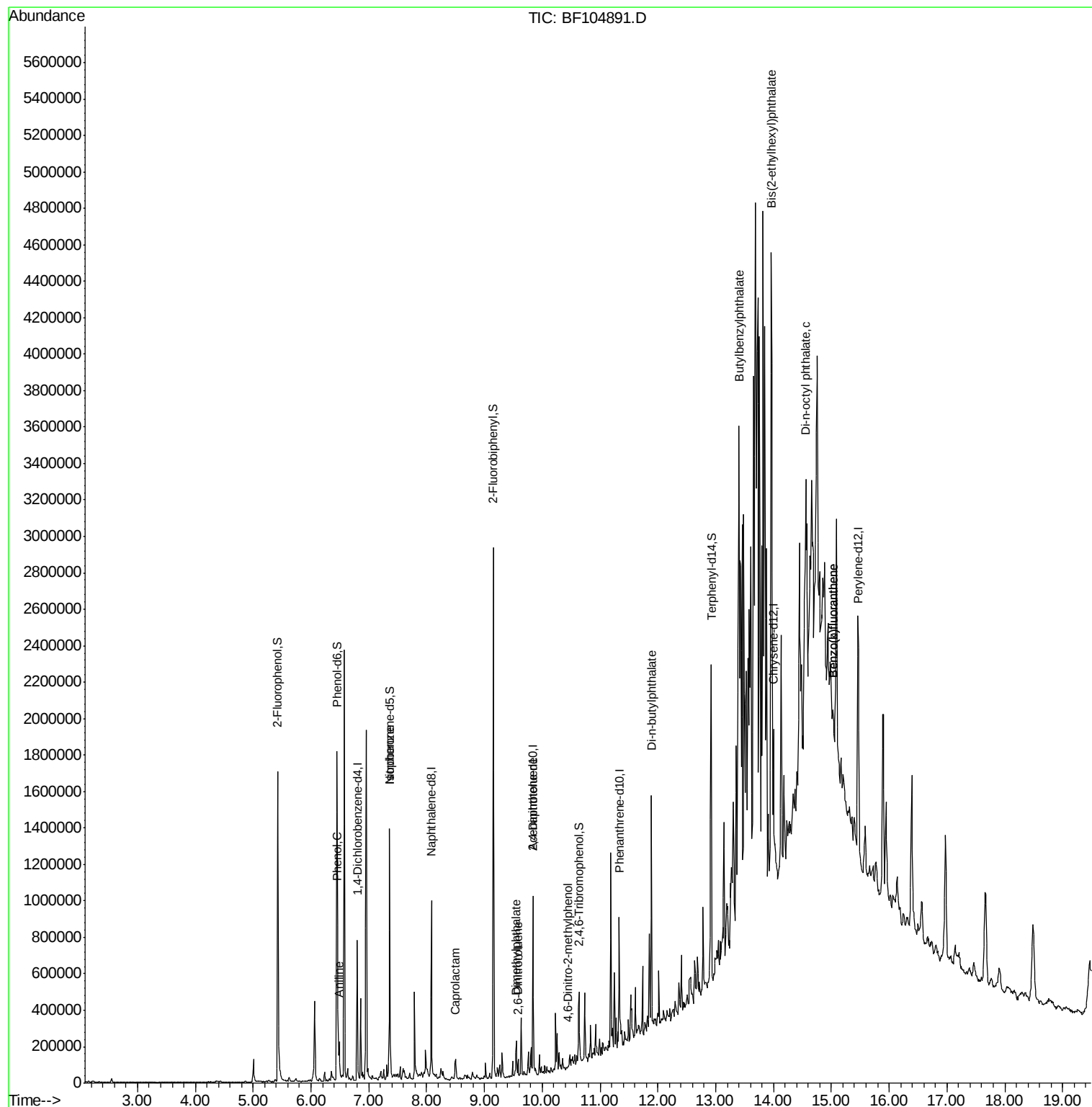
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	624539	90.08	ng	0.01
7) Phenol-d6	6.45	99	790143	92.76	ng	0.00
23) Nitrobenzene-d5	7.36	82	472831	74.50	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	41263	23.25	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	856364	79.06	ng	0.00
78) Terphenyl-d14	12.92	244	662929	75.46	ng	0.00

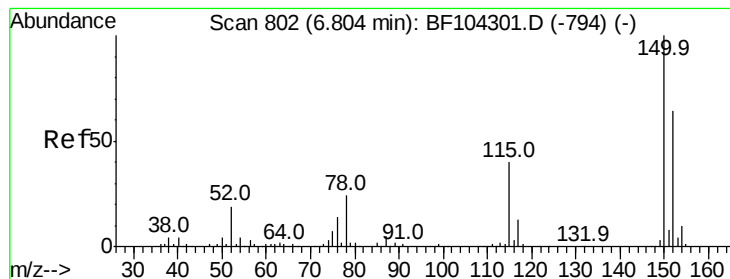
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.49	93	35855	3.030	ng	# 52
10) Phenol	6.46	94	21522	2.381	ng	# 72
25) Isophorone	7.36	82	472831	35.229	ng	# 64
35) Caprolactam	8.50	113	13683	6.940	ng	91
49) Dimethylphthalate	9.55	163	64922	4.811	ng	99
50) 2,6-Dinitrotoluene	9.58	165	7451	2.984	ng	# 32
56) 2,4-Dinitrotoluene	9.84	165	22651	6.916	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.44	198	375	7.600	ng	# 1
73) Di-n-butylphthalate	11.89	149	660711	37.924	ng	100
76) Benzidine	12.65	184	827	Below Cal		# 1
79) Butylbenzylphthalate	13.40	149	1133062	161.993	ng	# 77
83) Bis(2-ethylhexyl)phthalate	13.96	149	1940461	215.687	ng	98
84) Di-n-octyl phthalate	14.56	149	1150428	76.529	ng	# 70
87) Benzo(b)fluoranthene	15.04	252	22971	2.657	ng	# 1
88) Benzo(k)fluoranthene	15.04	252	22971	2.814	ng	# 1

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

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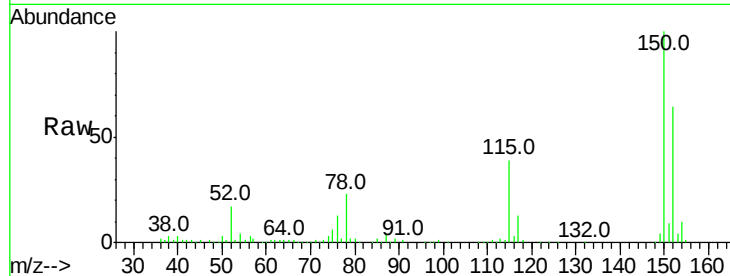




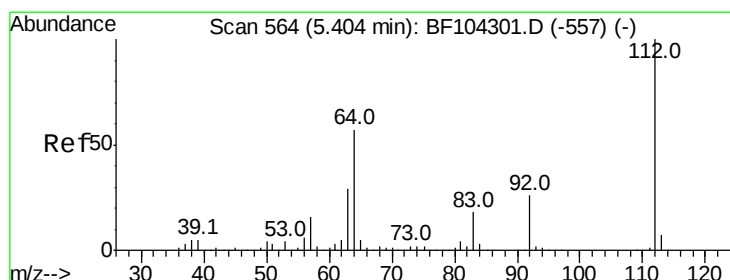
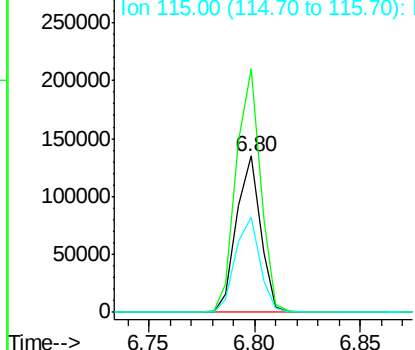
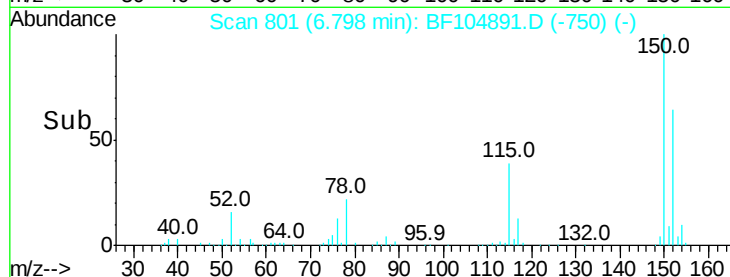
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104891.D
Acq: 27 Apr 2018 19:45

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	61.2	50.1	75.1



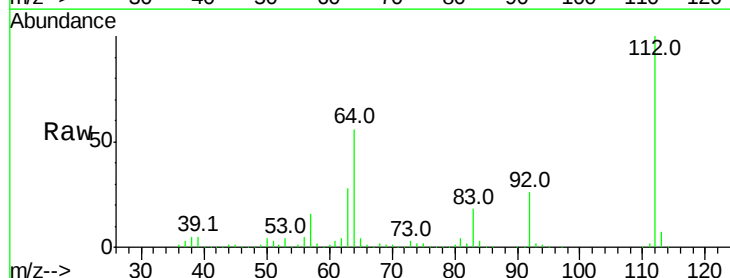
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



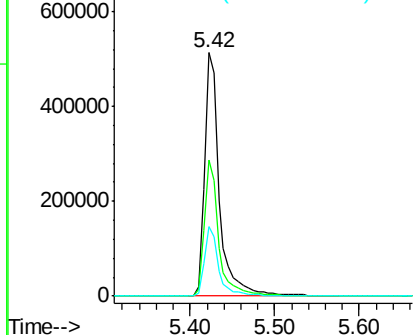
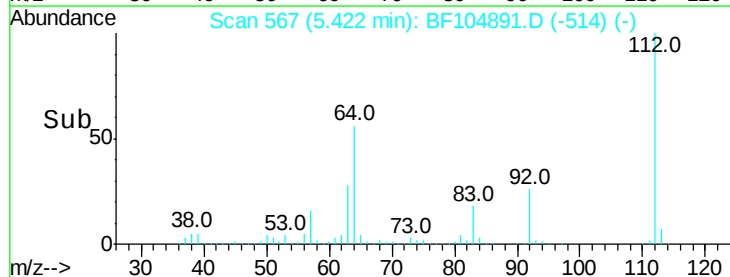
#5

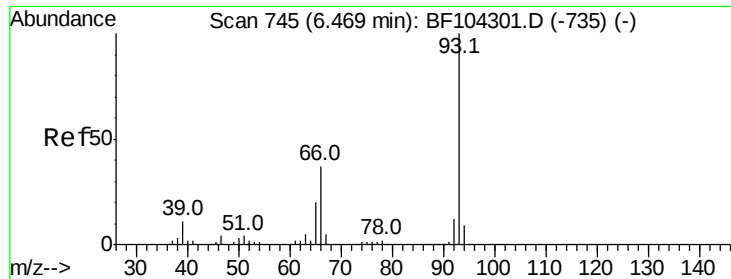
2-Fluorophenol
Concen: 90.082 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104891.D
Acq: 27 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	28.3	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





#6

Aniline

Concen: 3.030 ng

RT: 6.49 min Scan# 749

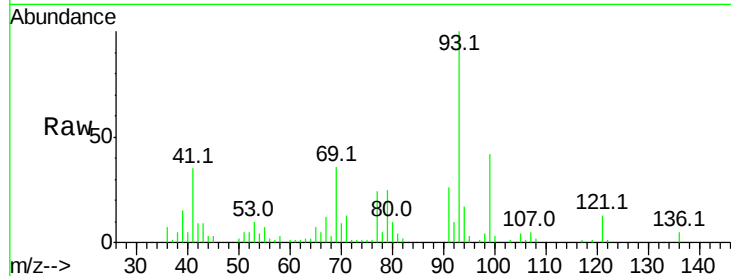
Delta R.T. 0.03 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

Tot Ion: 93 Resp: 35855

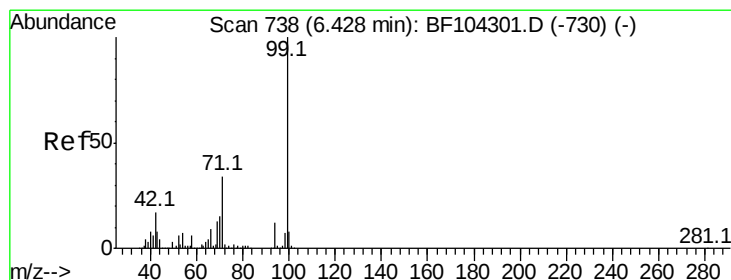
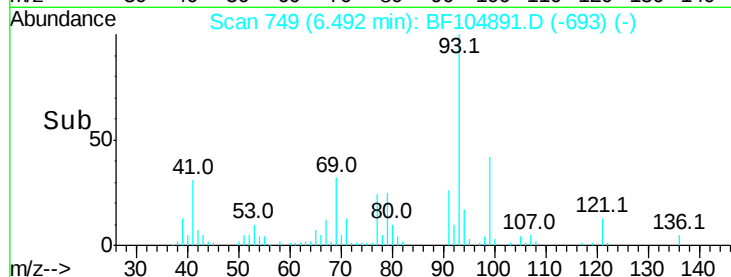
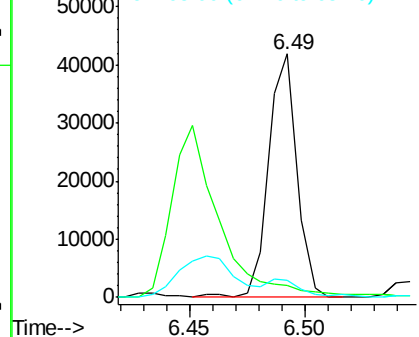
Ion	Ratio	Lower	Upper
93	100		
66	4.7	32.2	48.2#
65	7.1	16.4	24.6#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 92.758 ng

RT: 6.45 min Scan# 742

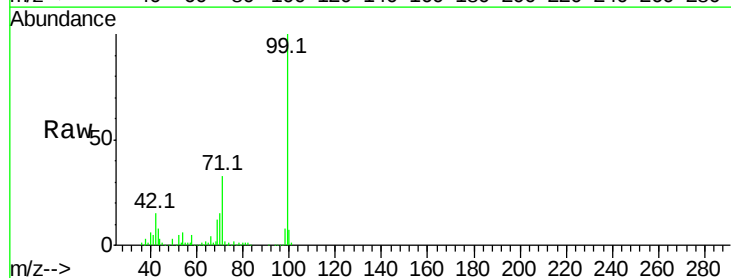
Delta R.T. 0.01 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

Tgt Ion: 99 Resp: 790143

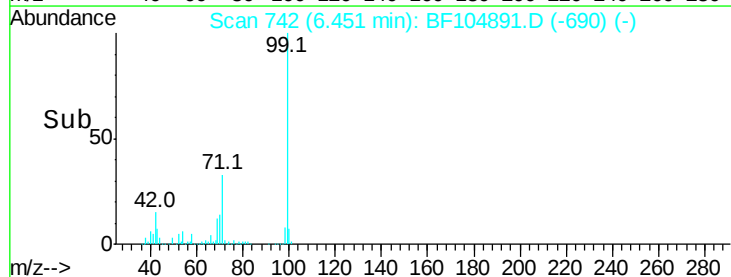
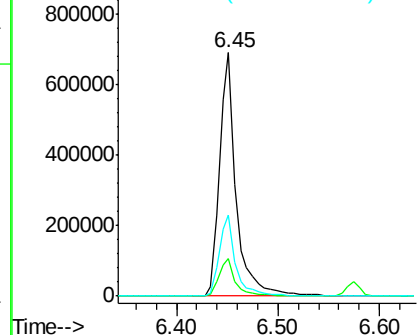
Ion	Ratio	Lower	Upper
99	100		
42	15.2	14.5	21.7
71	33.2	25.4	38.0

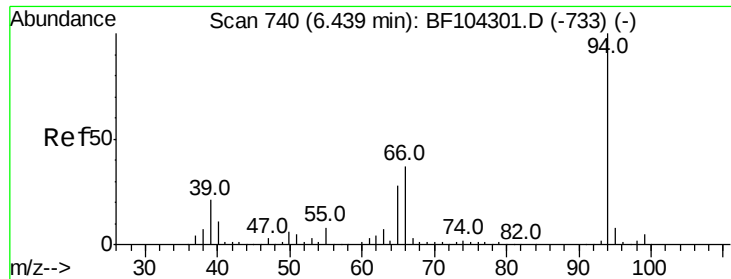


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 2.381 ng

RT: 6.46 min Scan# 744

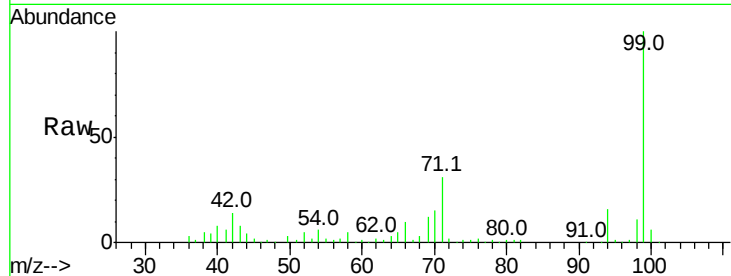
Delta R.T. 0.01 min

Lab File: BF104891.D

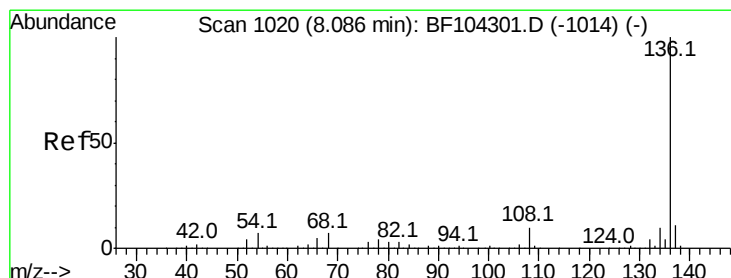
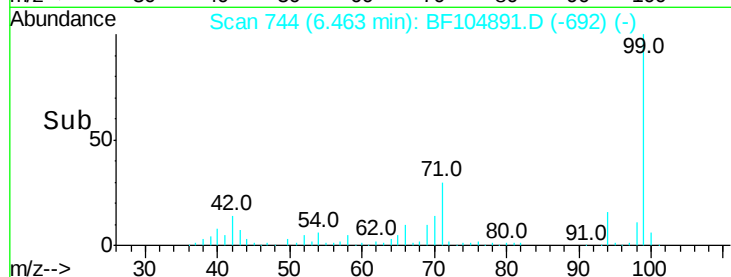
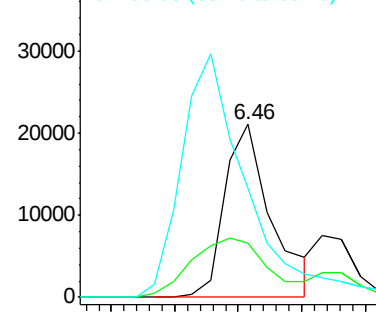
Acq: 27 Apr 2018 19:45

Tot Ion: 94 Resp: 21522

Ion	Ratio	Lower	Upper
94	100		
65	31.2	7.9	47.9
66	62.9	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

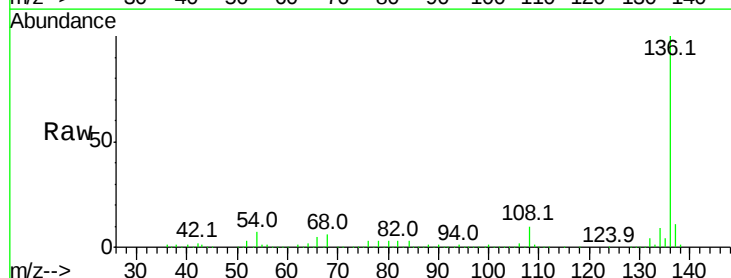
Delta R.T. -0.01 min

Lab File: BF104891.D

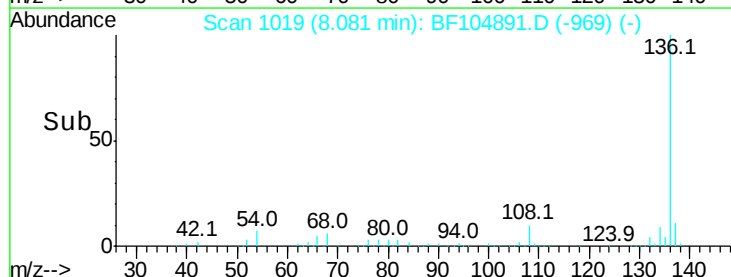
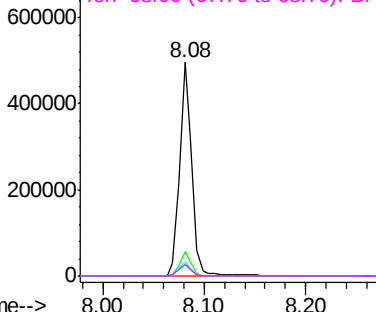
Acq: 27 Apr 2018 19:45

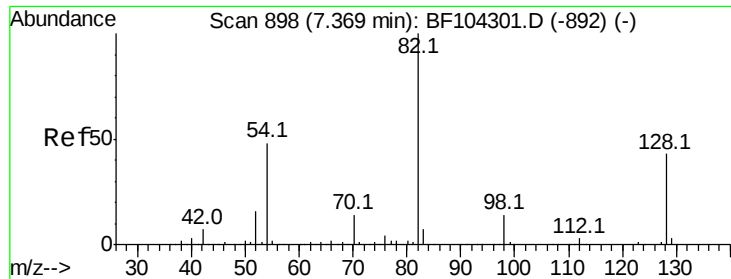
Tgt Ion: 136 Resp: 414447

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.7	6.6	9.8
68	5.6	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: 74.497 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

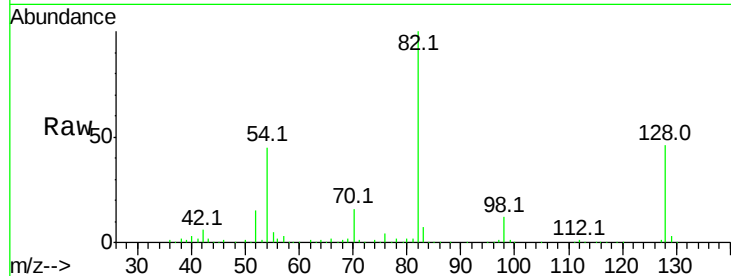
Tot Ion: 82 Resp: 472831

Ion Ratio Lower Upper

82 100

128 45.6 36.1 54.1

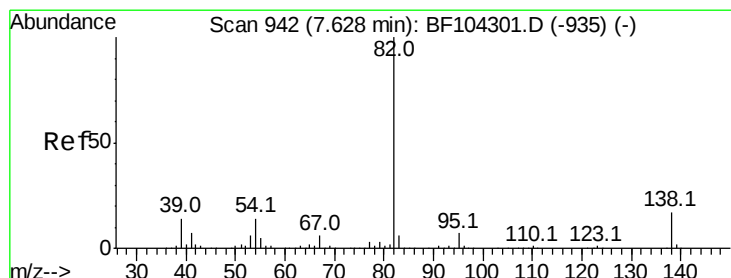
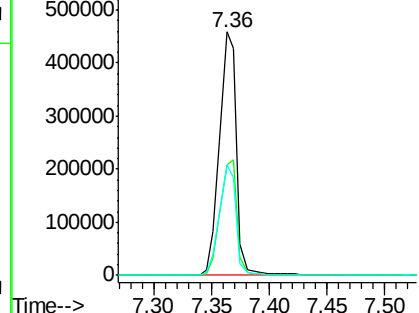
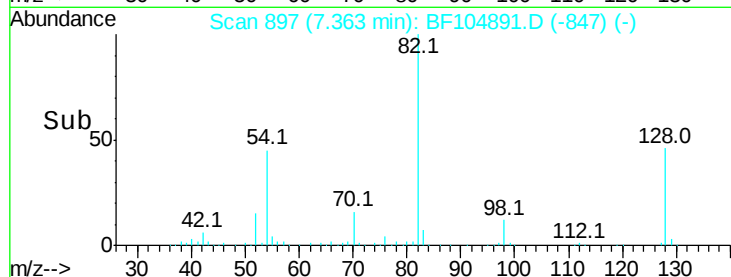
54 45.2 41.4 62.2



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



#25

Isophorone

Concen: 35.229 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

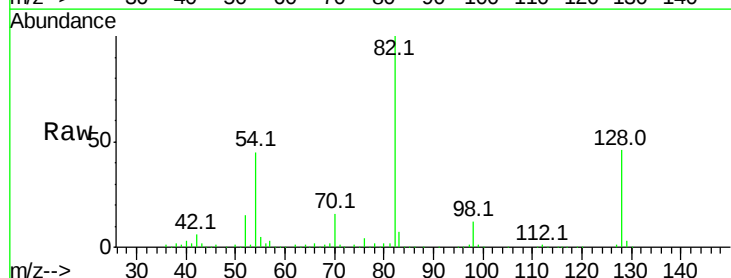
Tgt Ion: 82 Resp: 472831

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

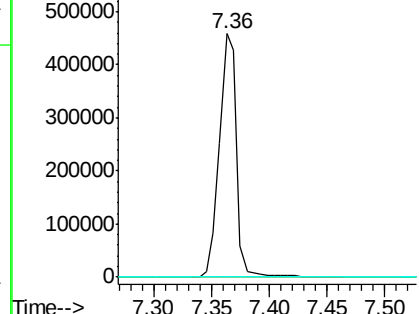
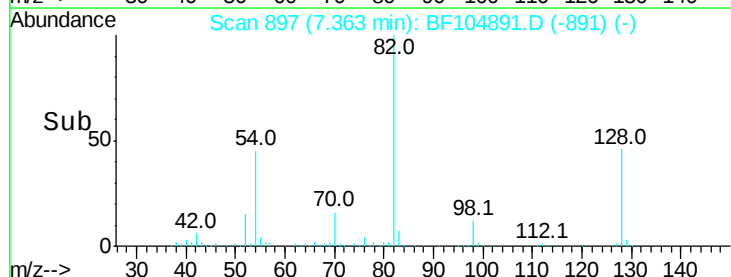
138 0.0 14.9 22.3#

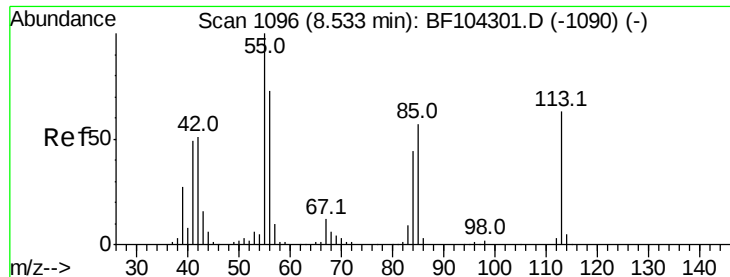


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#35

Caprolactam

Concen: 6.940 ng

RT: 8.50 min Scan# 1090

Delta R.T. -0.05 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

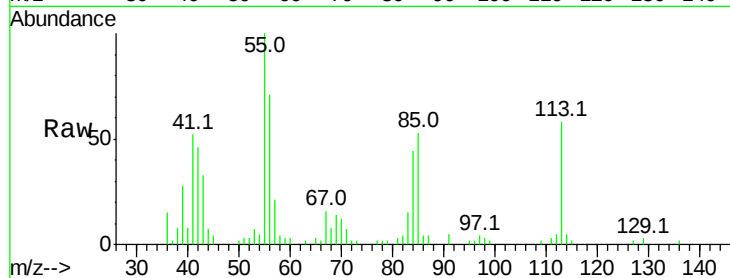
Tot Ion:113 Resp: 13683

Ion Ratio Lower Upper

113 100

55 173.4 163.3 203.3

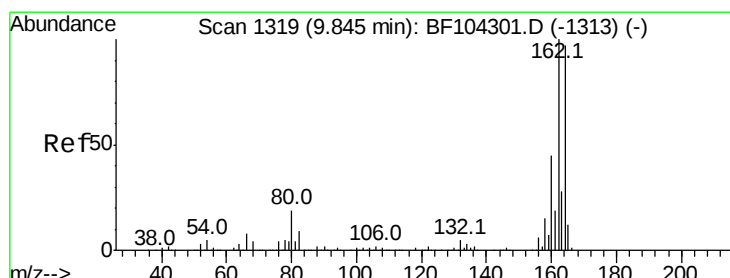
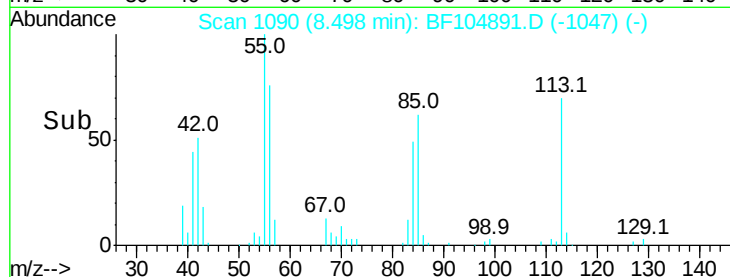
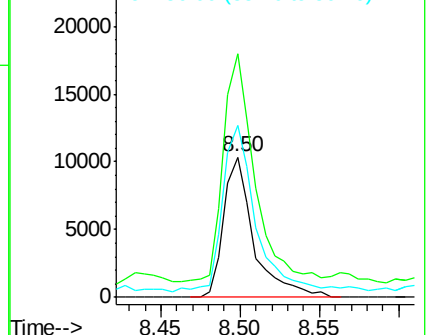
56 122.3 115.7 155.7



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

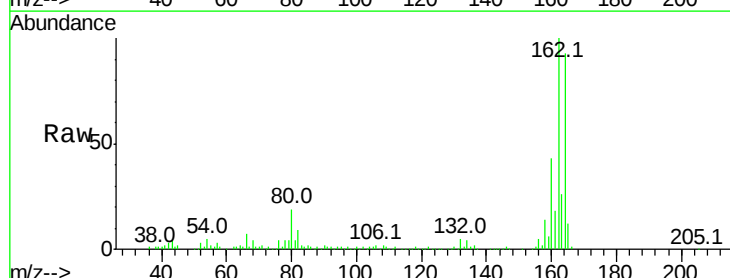
Tgt Ion:164 Resp: 171113

Ion Ratio Lower Upper

164 100

162 107.8 86.1 129.1

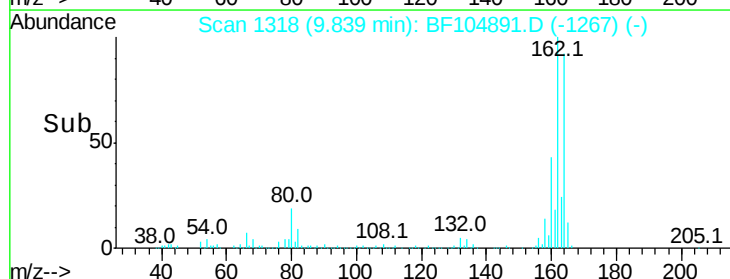
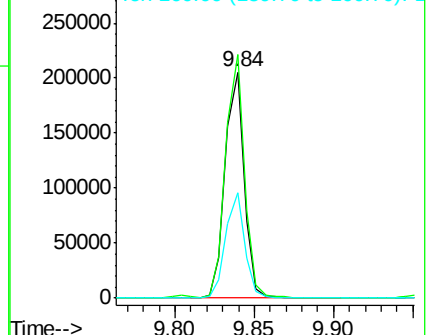
160 46.7 38.3 57.5

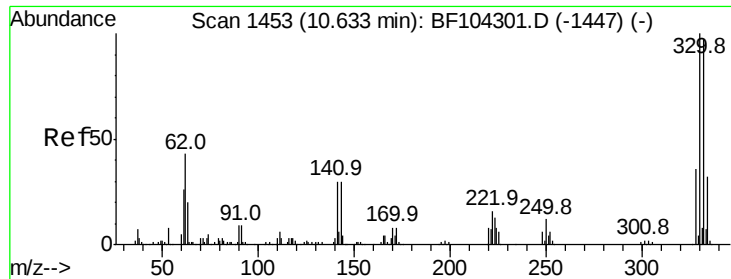


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

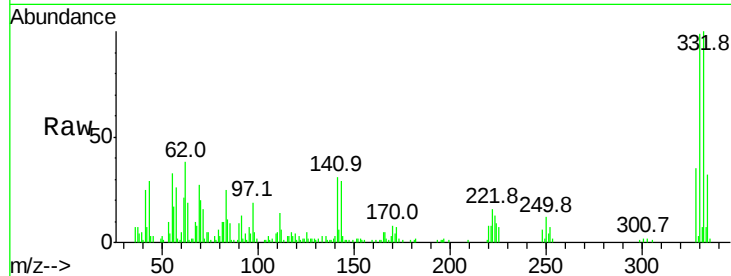
Ion 160.00 (159.70 to 160.70): E



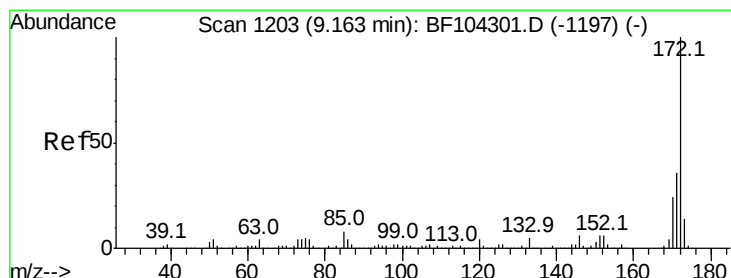
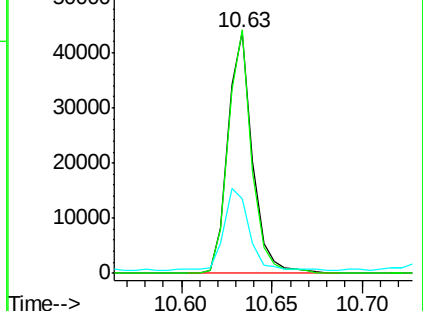
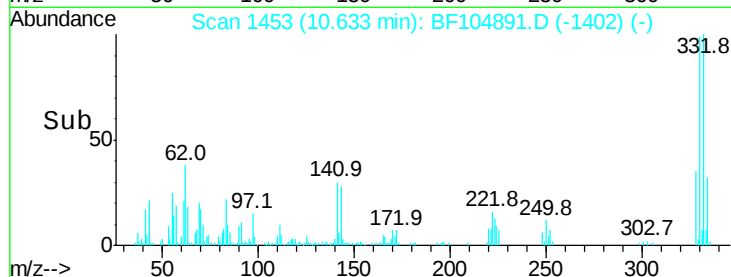


#41
 2,4,6-Tribromophenol
 Concen: 23.247 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	34.1	29.9	44.9

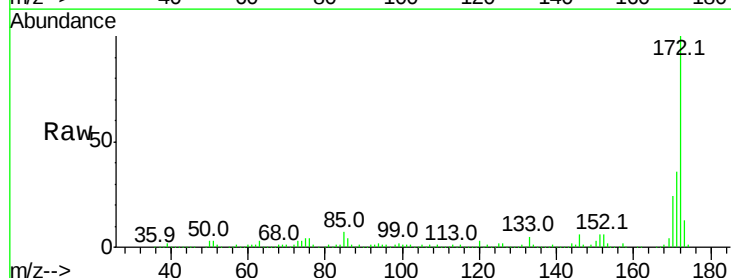


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

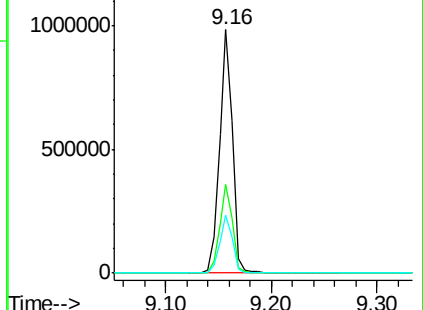
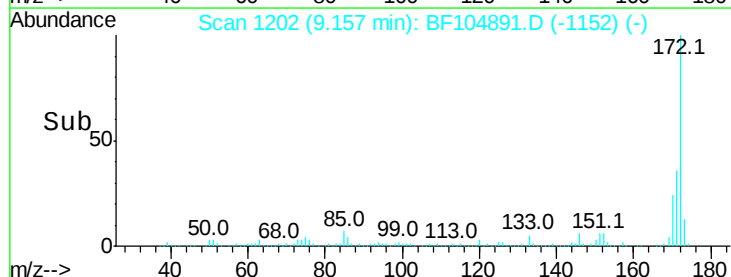


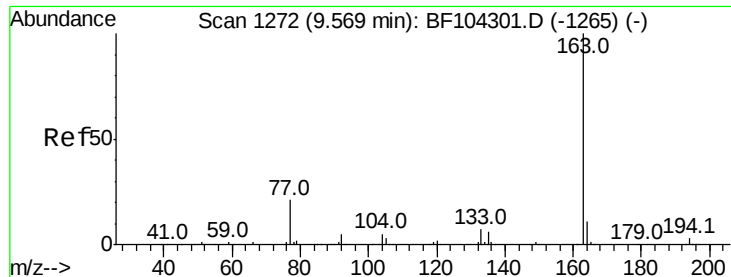
#44
 2-Fluorobiphenyl
 Concen: 79.061 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.8	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: 4.811 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

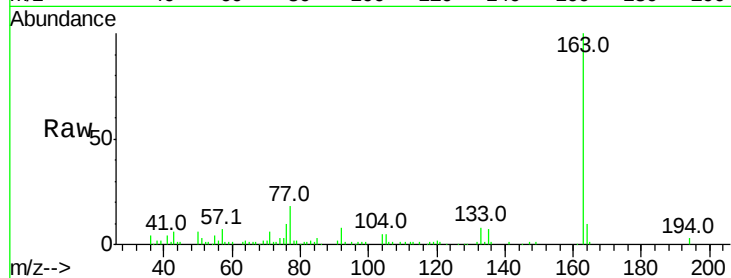
Tot Ion:163 Resp: 64922

Ion Ratio Lower Upper

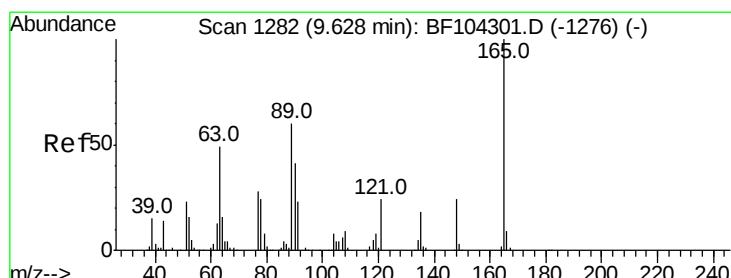
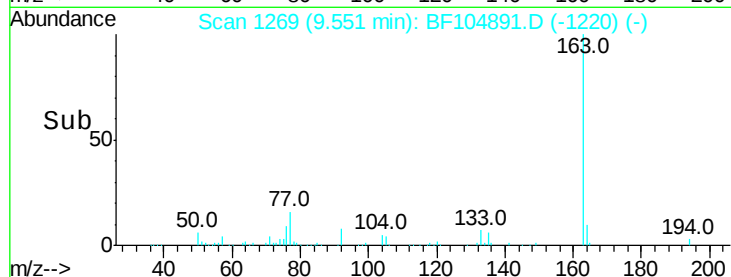
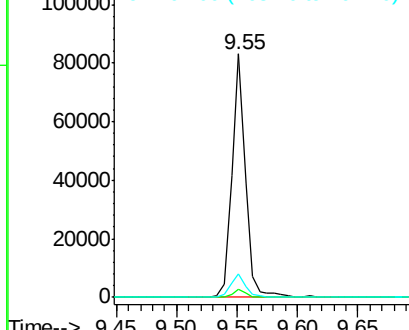
163 100

194 3.3 2.7 4.1

164 9.9 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



#50

2,6-Dinitrotoluene

Concen: 2.984 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.05 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

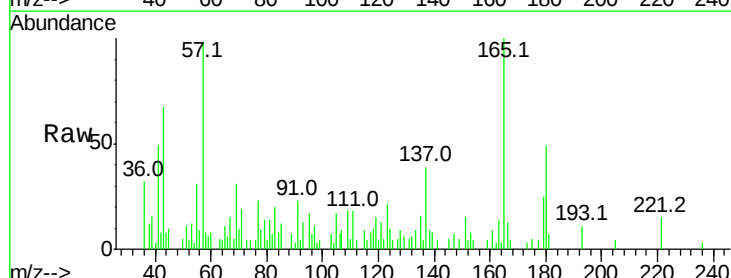
Tgt Ion:165 Resp: 7451

Ion Ratio Lower Upper

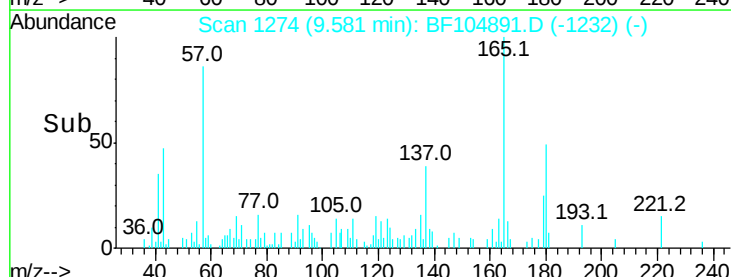
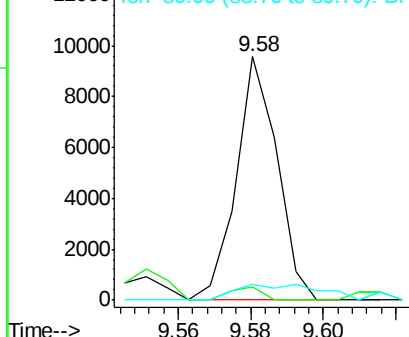
165 100

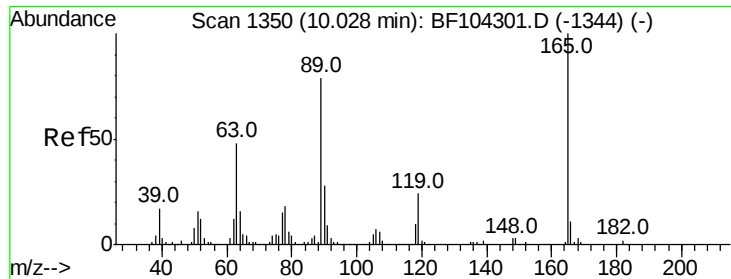
63 5.5 44.7 67.1#

89 6.6 44.0 66.0#



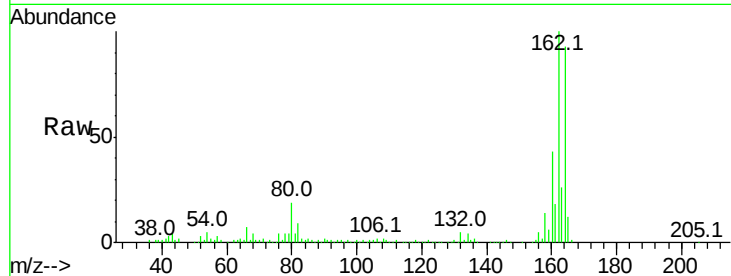
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





#56
 2,4-Dinitrotoluene
 Concen: 6.916 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

Tot Ion:	165	Resp:	22651
Ion	Ratio	Lower	Upper
165	100		
63	4.5	36.4	54.6#
89	2.4	57.8	86.6#
182	0.0	1.6	2.4#

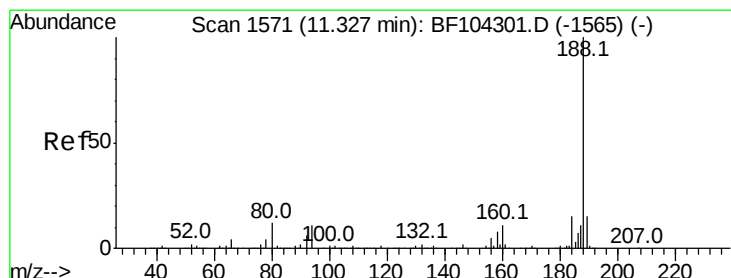
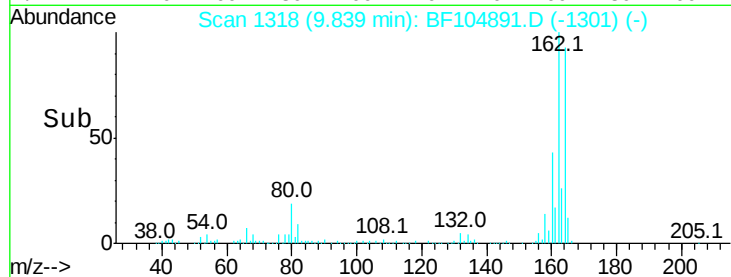
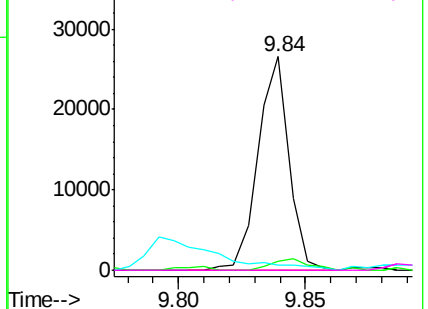


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

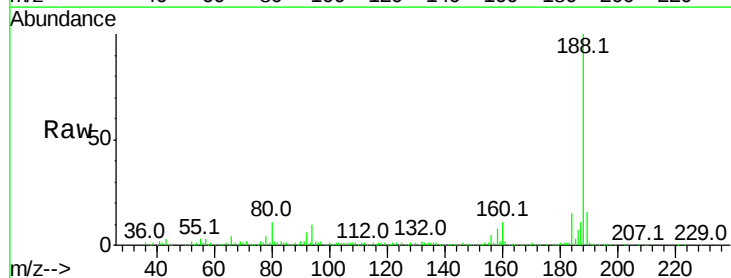
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

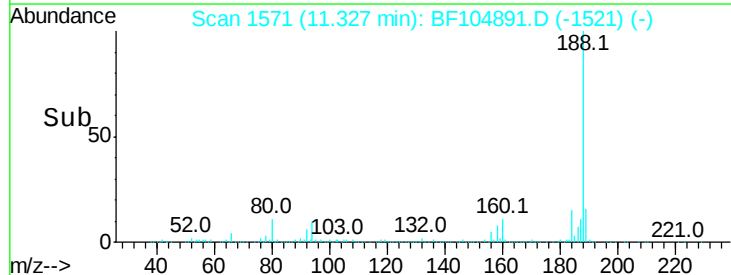
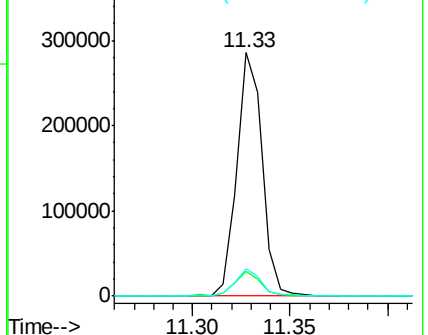
Tgt Ion:	188	Resp:	257828
Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.3	9.2	13.8

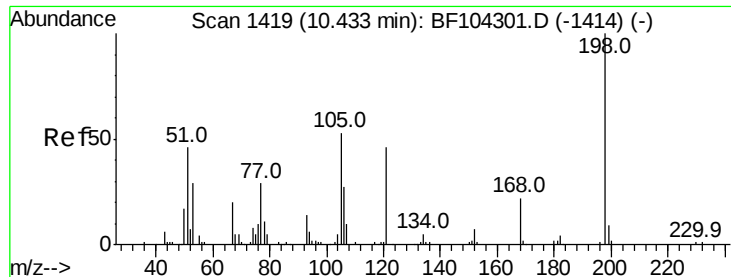


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

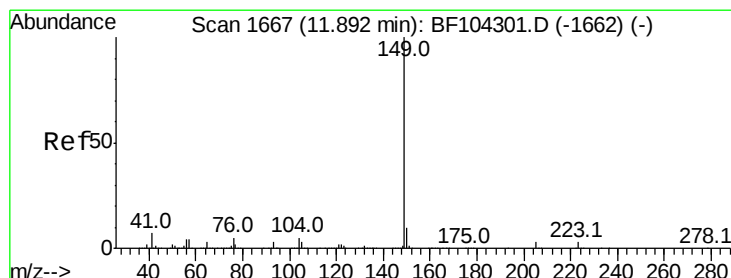
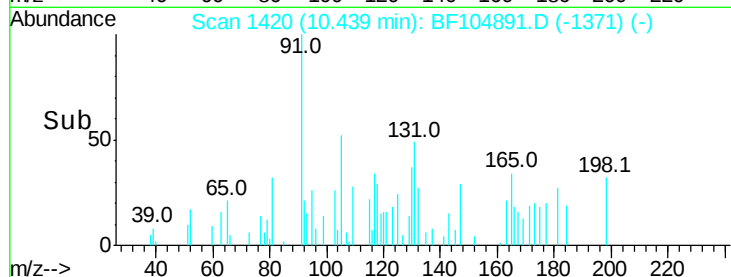
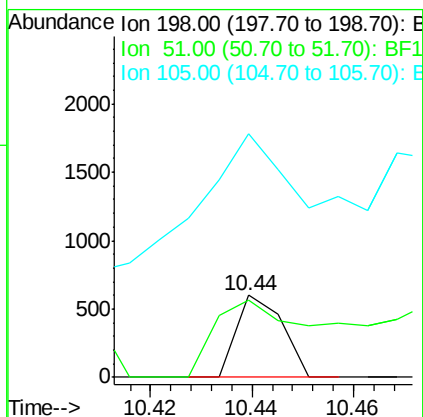
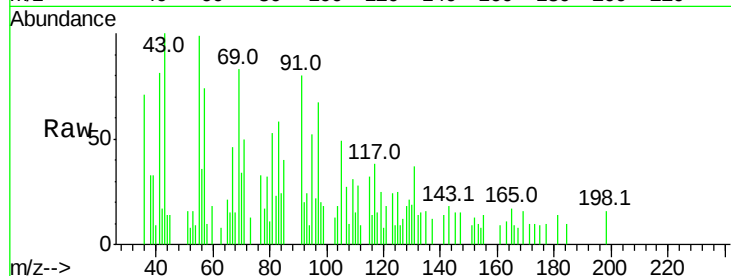
Ion 80.00 (79.70 to 80.70): BF1





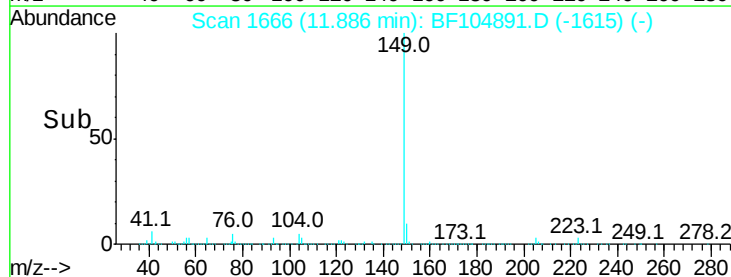
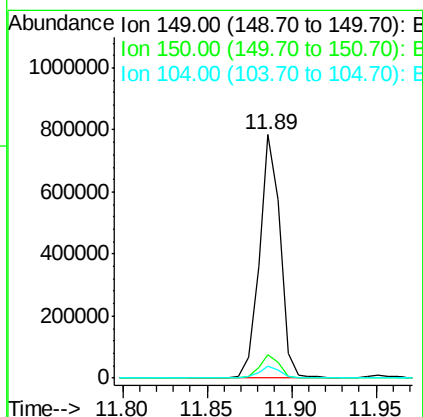
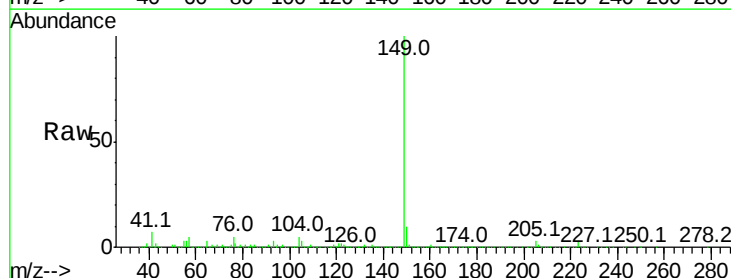
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.600 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

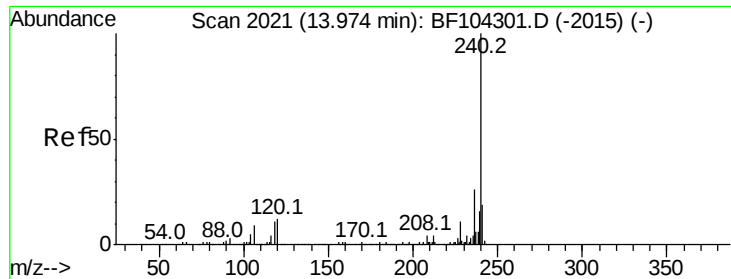
Tot Ion:198 Resp: 375
 Ion Ratio Lower Upper
 198 100
 51 94.2 37.7 77.7#
 105 297.3 36.3 76.3#



#73
 Di-n-butylphthalate
 Concen: 37.924 ng
 RT: 11.89 min Scan# 1666
 Delta R.T. 0.00 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

Tgt Ion:149 Resp: 660711
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.8 11.6
 104 4.9 3.8 5.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

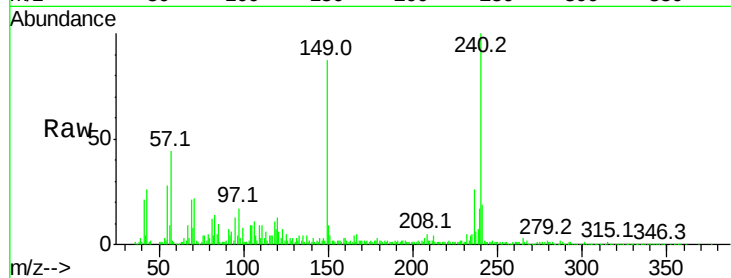
Delta R.T. 0.01 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

Tot Ion:240 Resp: 200297

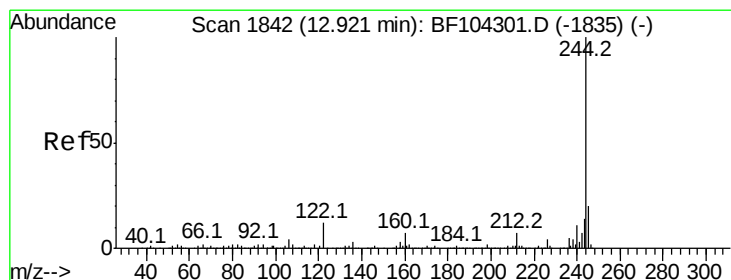
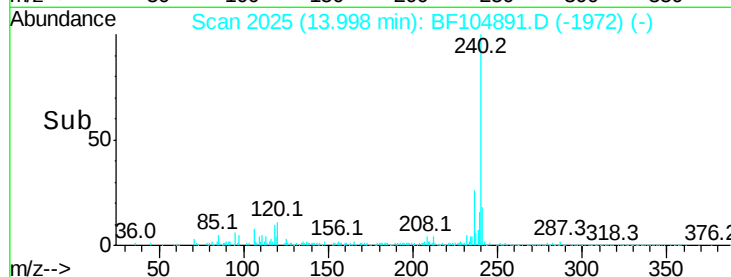
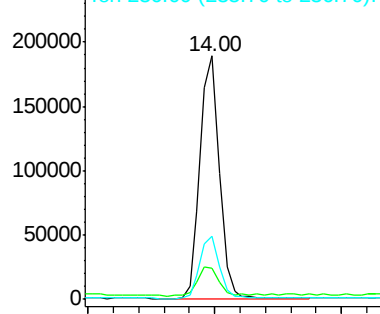
Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	25.8	20.7	31.1



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



#78

Terphenyl-d14

Concen: 75.456 ng

RT: 12.92 min Scan# 1842

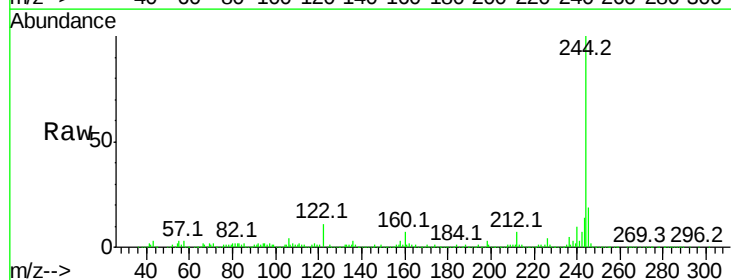
Delta R.T. 0.00 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

Tgt Ion:244 Resp: 662929

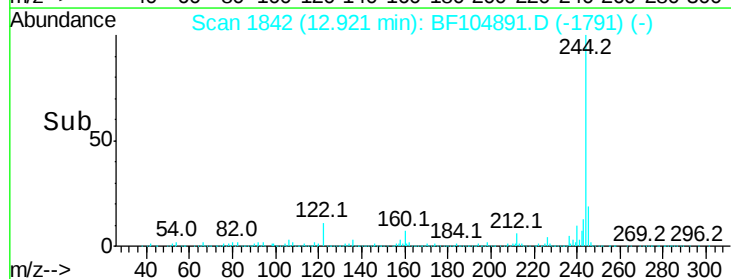
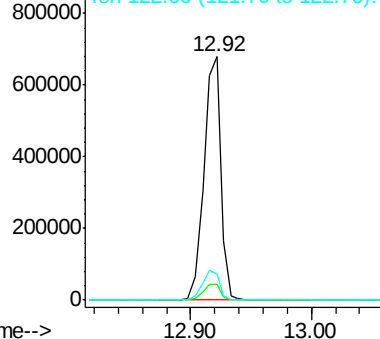
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.7	11.0	16.4

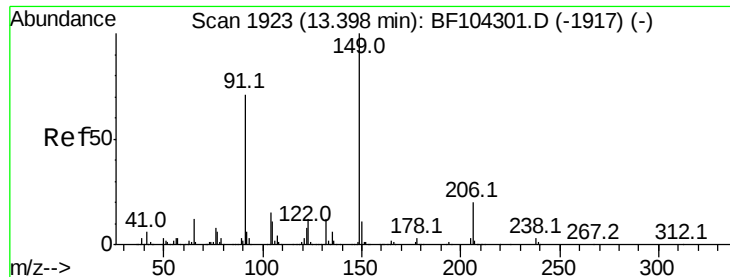


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

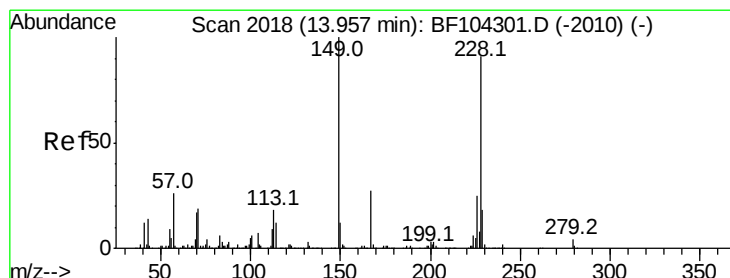
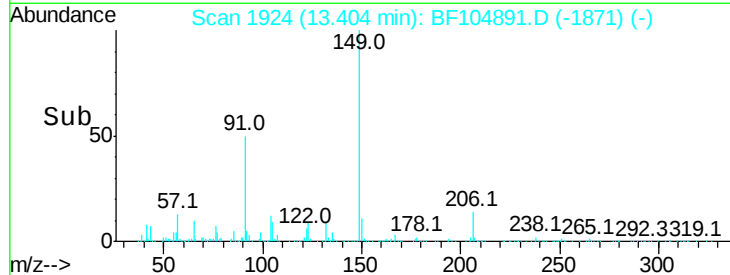
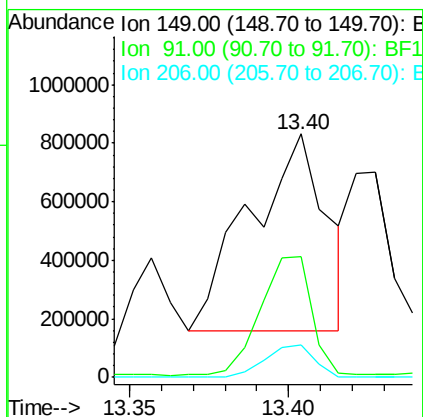
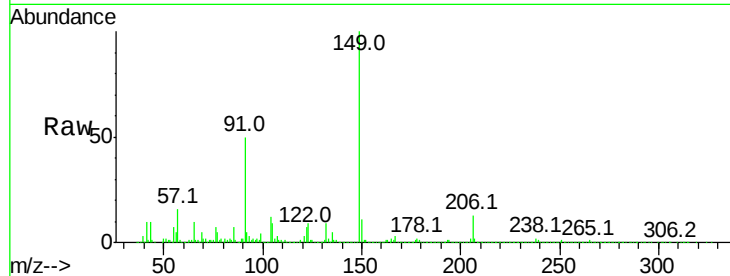
Ion 122.00 (121.70 to 122.70): E





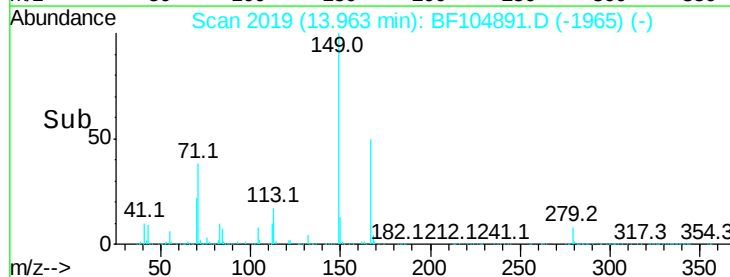
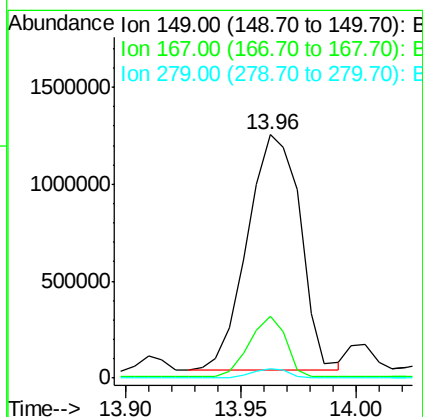
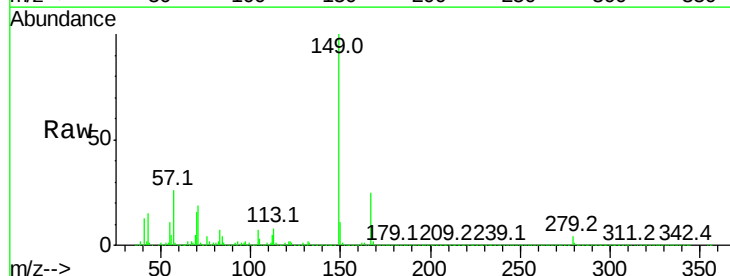
#79
 Butylbenzylphthalate
 Concen: 161.993 ng
 RT: 13.40 min Scan# 1924
 Delta R.T. 0.01 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

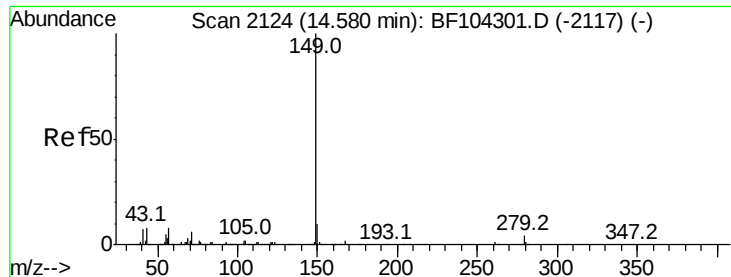
Tot Ion:149 Resp: 1133062
 Ion Ratio Lower Upper
 149 100
 91 49.6 56.8 85.2#
 206 13.2 14.1 21.1#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 215.687 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.02 min
 Lab File: BF104891.D
 Acq: 27 Apr 2018 19:45

Tgt Ion:149 Resp: 1940461
 Ion Ratio Lower Upper
 149 100
 167 25.2 21.3 31.9
 279 3.7 3.0 4.4





#84

Di-n-octyl phthalate

Concen: 76.529 ng

RT: 14.56 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

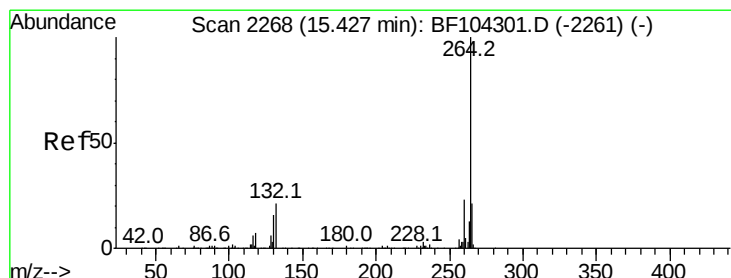
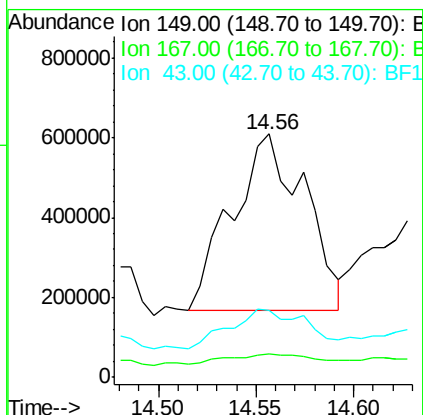
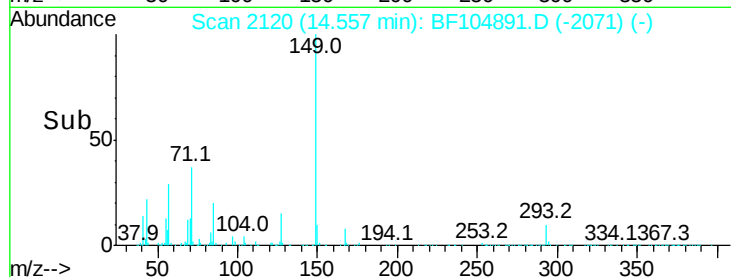
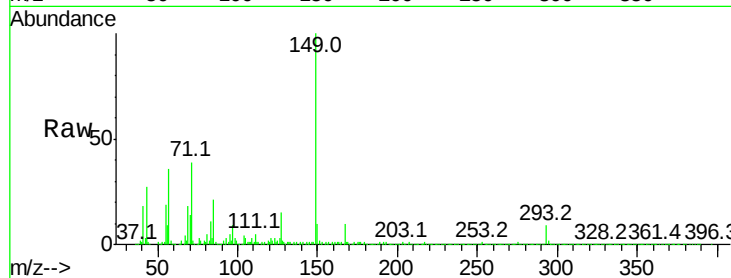
Tot Ion:149 Resp: 1150428

Ion Ratio Lower Upper

149 100

167 7.5 1.2 1.8#

43 22.6 8.4 12.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BF104891.D

Acq: 27 Apr 2018 19:45

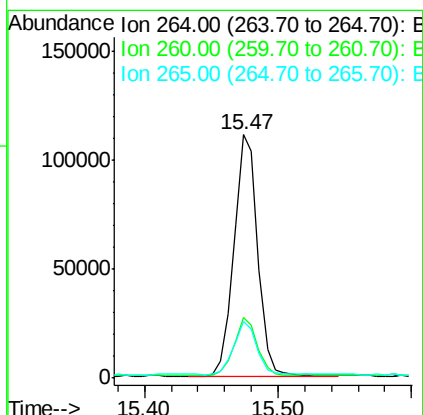
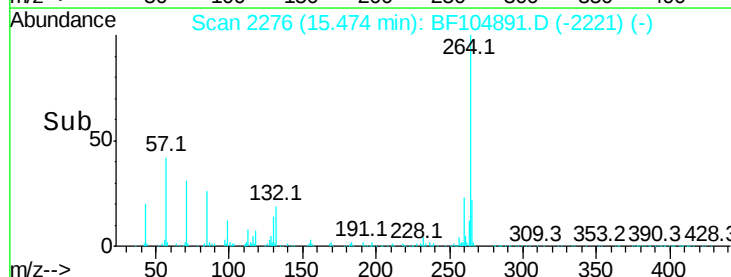
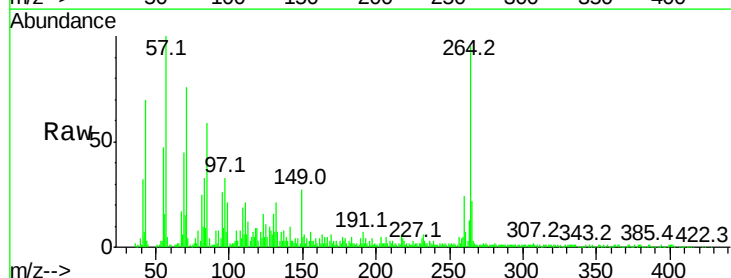
Tgt Ion:264 Resp: 136898

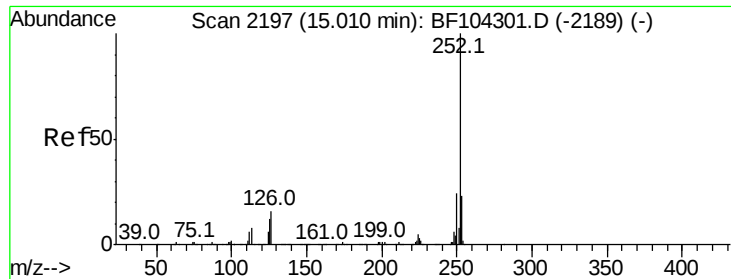
Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

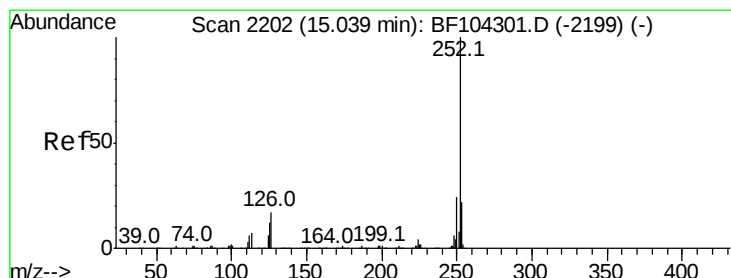
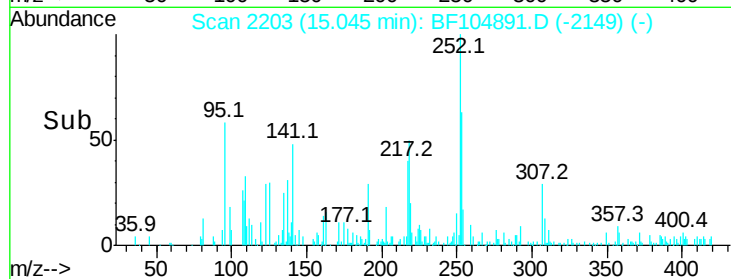
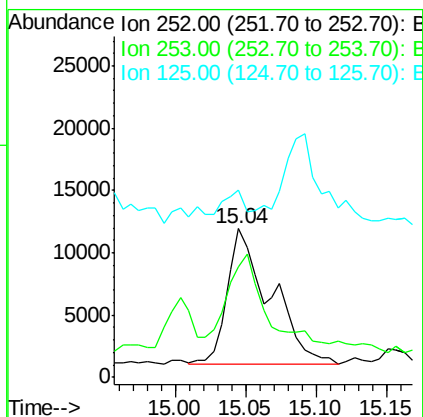
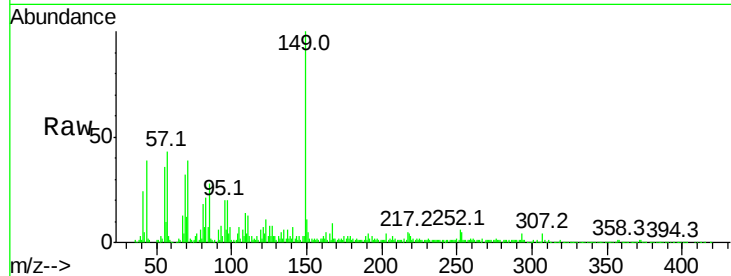
265 23.2 17.5 26.3





#87
Benzo(b)fluoranthene
Concen: 2.657 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BF104891.D
Acq: 27 Apr 2018 19:45

Tot Ion:252 Resp: 22971
Ion Ratio Lower Upper
252 100
253 74.7 17.0 25.6#
125 126.0 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.814 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF104891.D
Acq: 27 Apr 2018 19:45

Tgt Ion:252 Resp: 22971
Ion Ratio Lower Upper
252 100
253 74.7 17.9 26.9#
125 126.0 10.2 15.2#

