

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104892.D
 Acq On : 27 Apr 2018 20:12
 Operator : JU/SJ
 Sample : J2564-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 27 22:50:36 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	97089	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	400281	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	180165	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	297387	20.00	ng	0.00
75) Chrysene-d12	13.98	240	213341	20.00	ng	0.00
86) Perylene-d12	15.45	264	171084	20.00	ng	0.00

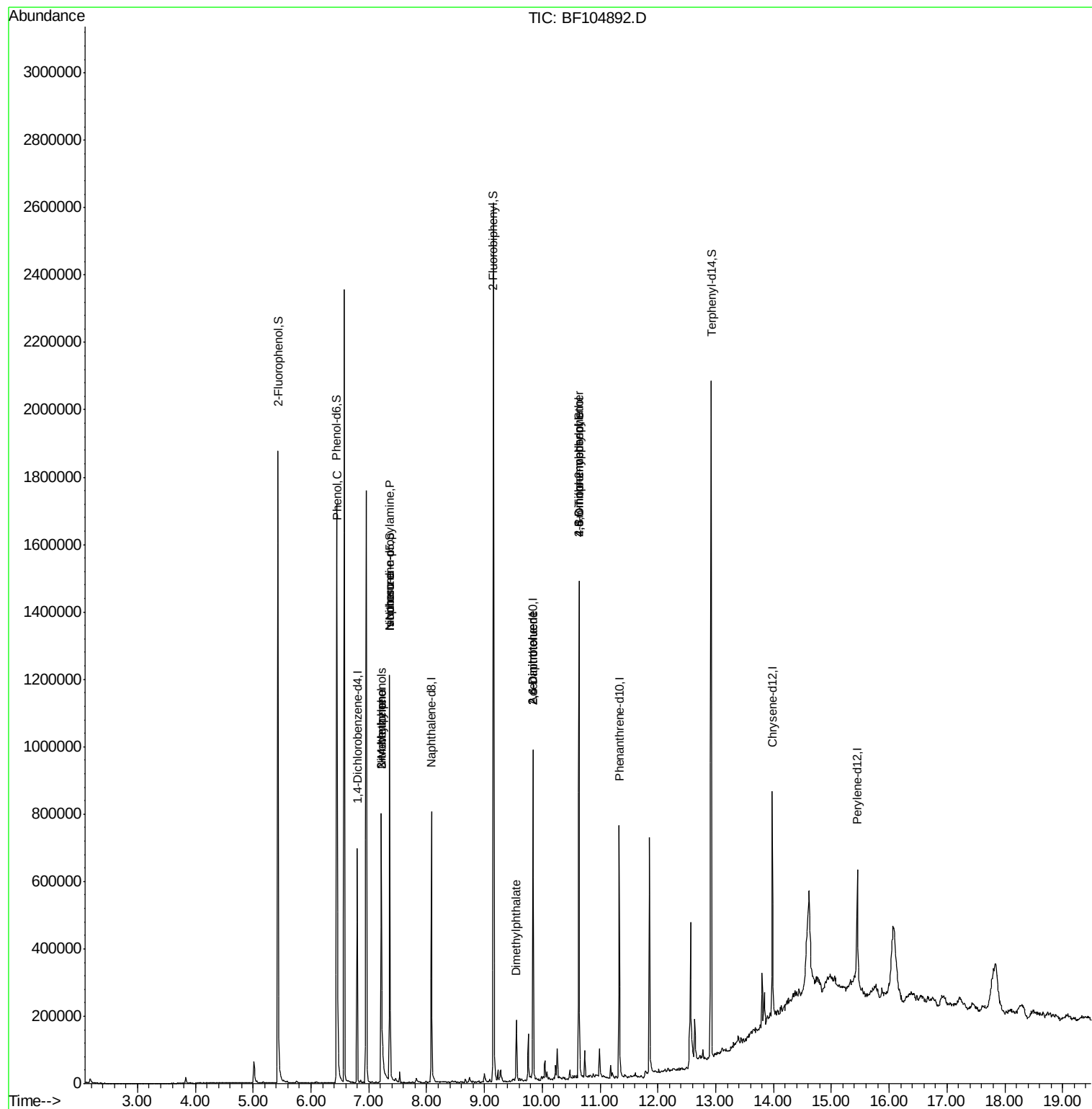
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	622675	98.07	ng	0.02
7) Phenol-d6	6.45	99	753260	96.55	ng	0.00
23) Nitrobenzene-d5	7.36	82	448661	73.19	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	184430	98.68	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	860458	75.45	ng	0.00
78) Terphenyl-d14	12.92	244	697028	74.49	ng	0.00

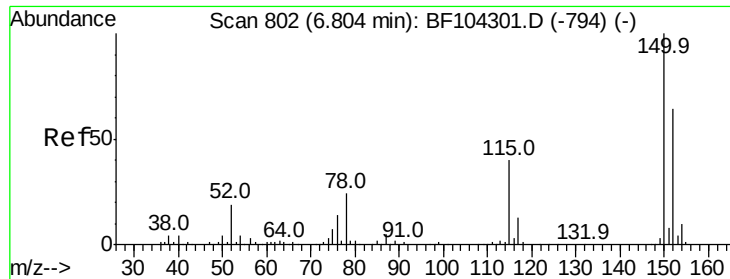
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	34235	4.136	ng	86
17) 2-Methylphenol	7.22	107	303419	52.084	ng	# 70
19) n-Nitroso-di-n-propylamine	7.36	70	58743	11.523	ng	# 72
20) 3+4-Methylphenols	7.22	107	307764	42.597	ng	85
24) Nitrobenzene	7.22	77	84310	12.457	ng	# 42
25) Isophorone	7.36	82	448658	34.611	ng	# 64
49) Dimethylphthalate	9.55	163	70012	4.928	ng	99
50) 2,6-Dinitrotoluene	9.84	165	22742	8.651	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	22742	6.595	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	489	7.633	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11006	3.479	ng	# 1
76) Benzidine	12.92	184	9679	Below Cal		98

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

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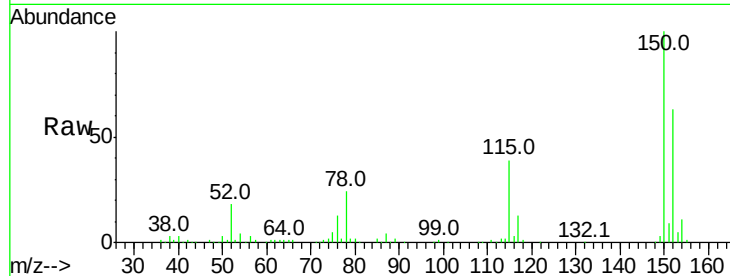




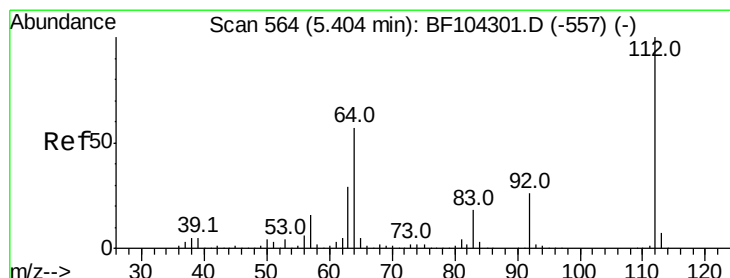
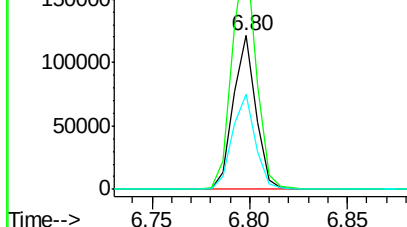
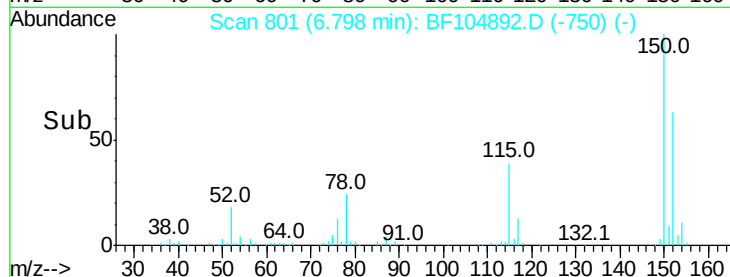
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104892.D
Acq: 27 Apr 2018 20:12

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	61.8	50.1	75.1



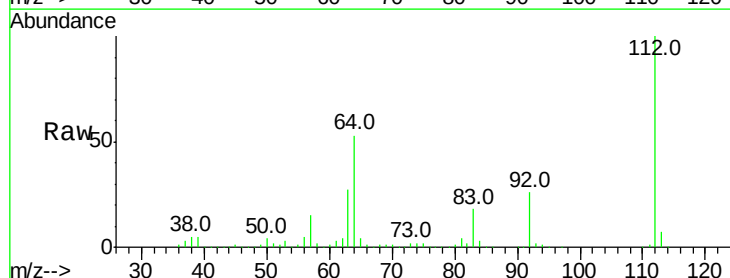
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



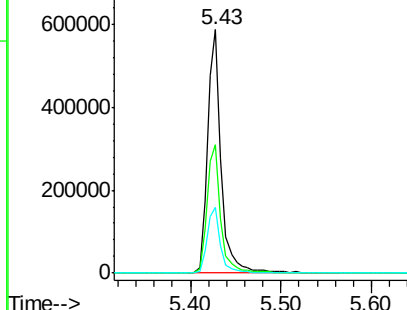
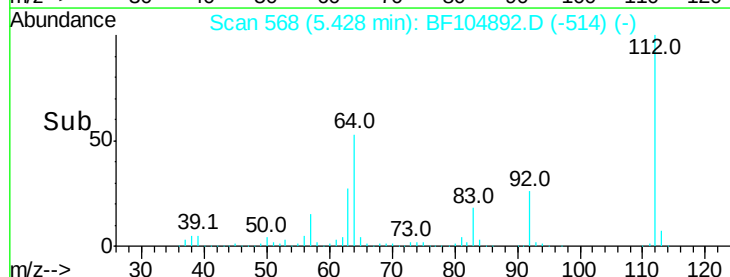
#5

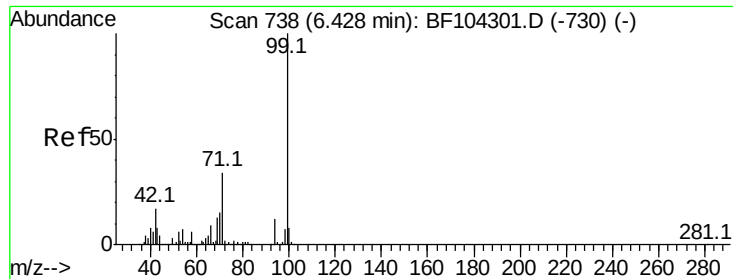
2-Fluorophenol
Concen: 98.065 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104892.D
Acq: 27 Apr 2018 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	47.9	71.9
63	26.9	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: 96.552 ng

RT: 6.45 min Scan# 741

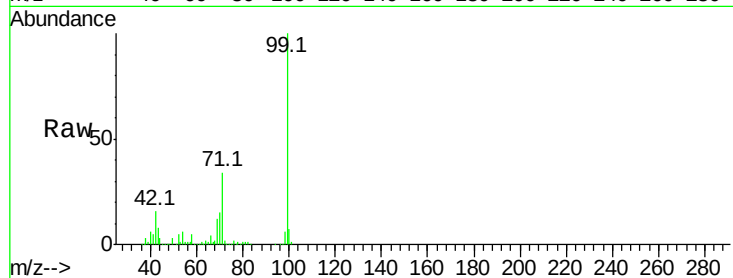
Delta R.T. 0.00 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

Tot Ion: 99 Resp: 753260

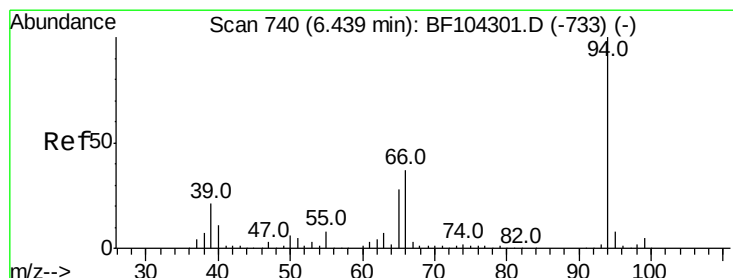
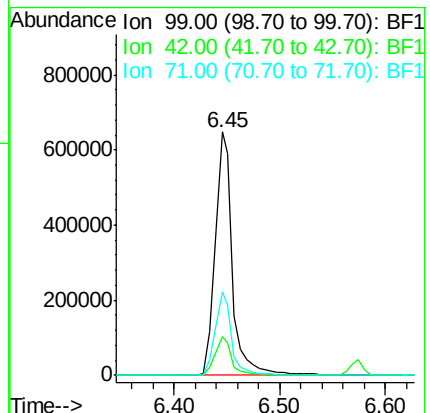
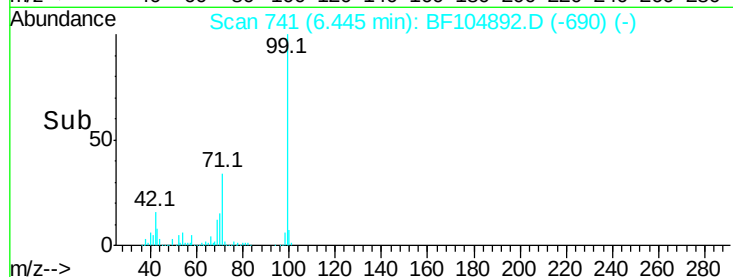
Ion	Ratio	Lower	Upper
99	100		
42	15.9	14.5	21.7
71	34.4	25.4	38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.136 ng

RT: 6.46 min Scan# 743

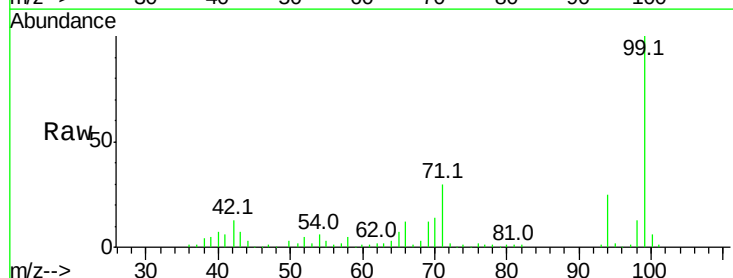
Delta R.T. 0.00 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

Tgt Ion: 94 Resp: 34235

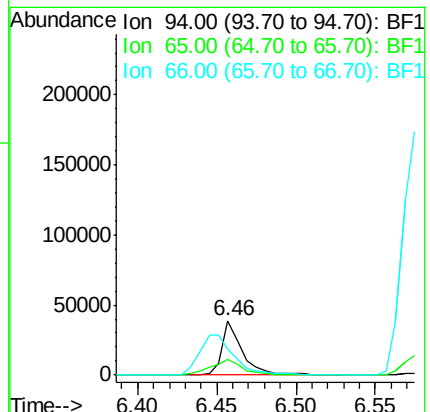
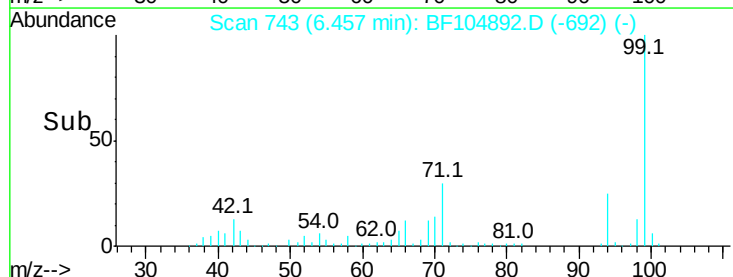
Ion	Ratio	Lower	Upper
94	100		
65	29.9	7.9	47.9
66	49.0	16.2	56.2

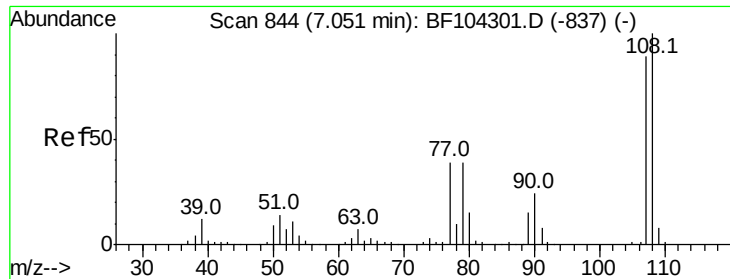


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

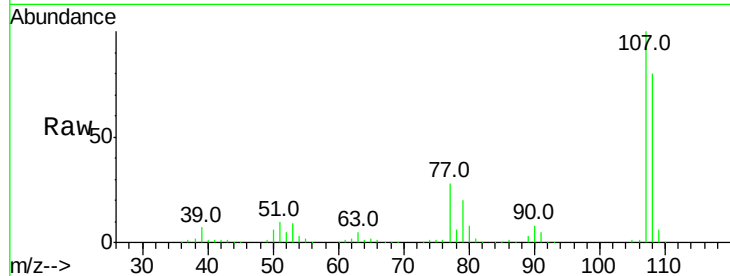
Ion 66.00 (65.70 to 66.70): BF1



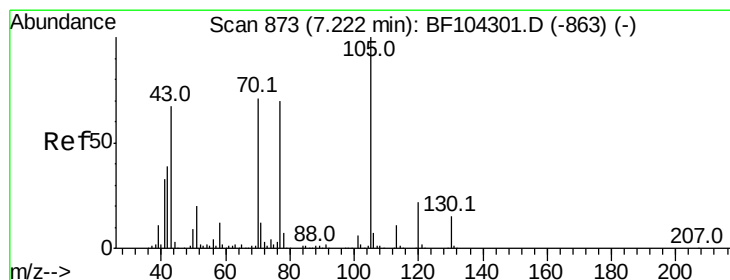
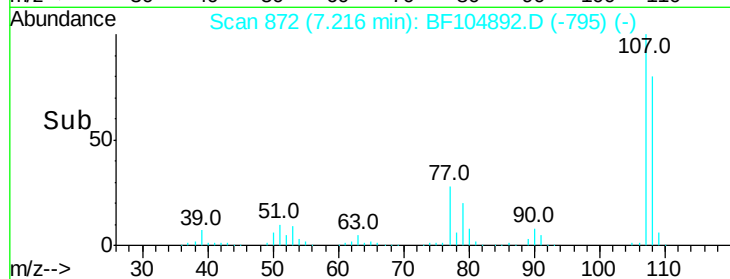
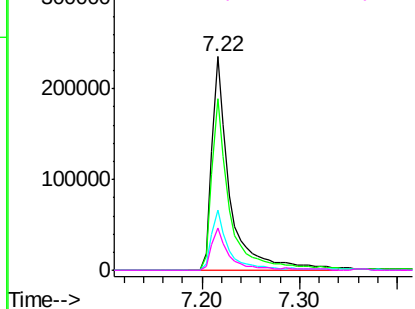


#17
2-Methylphenol
Concen: 52.084 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.15 min
Lab File: BF104892.D
Acq: 27 Apr 2018 20:12

Tot Ion:	107	Resp:	303419
Ion	Ratio	Lower	Upper
107	100		
108	80.2	91.7	137.5#
77	28.3	33.8	50.8#
79	20.0	33.8	50.8#

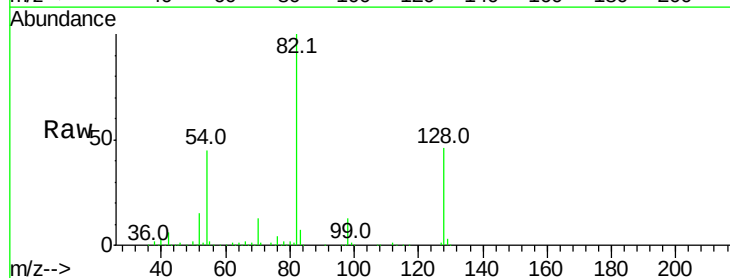


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

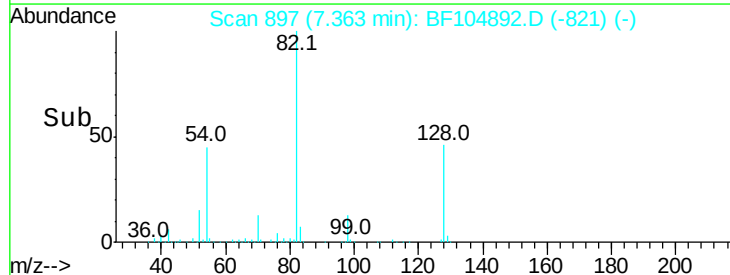
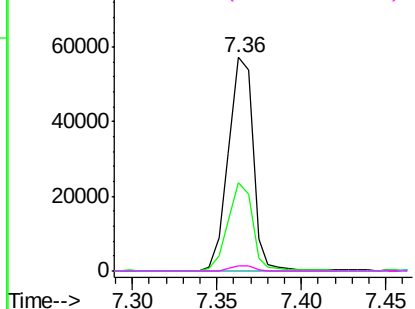


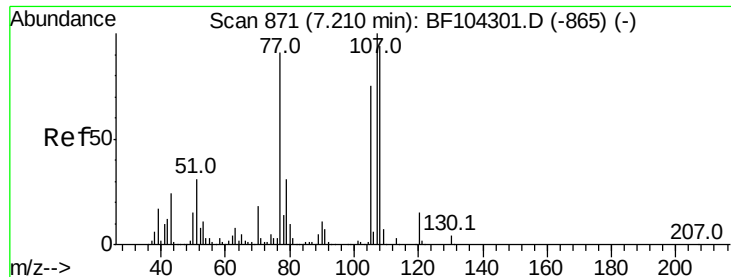
#19
n-Nitroso-di-n-propylamine
Concen: 11.523 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.15 min
Lab File: BF104892.D
Acq: 27 Apr 2018 20:12

Tgt Ion:	70	Resp:	58743
Ion	Ratio	Lower	Upper
70	100		
42	41.5	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	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): E
Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 42.597 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.00 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

Tot Ion:107 Resp: 307764

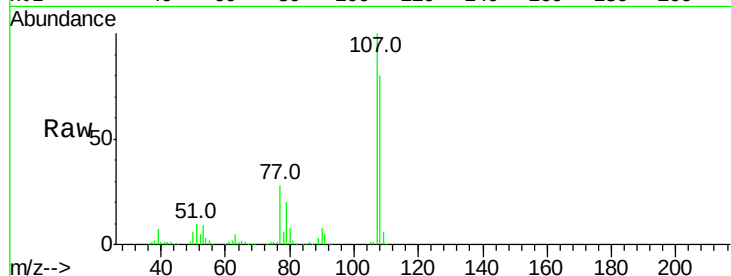
Ion Ratio Lower Upper

107 100

108 80.2 68.2 108.2

77 28.3 26.7 66.7

79 20.0 6.3 46.3

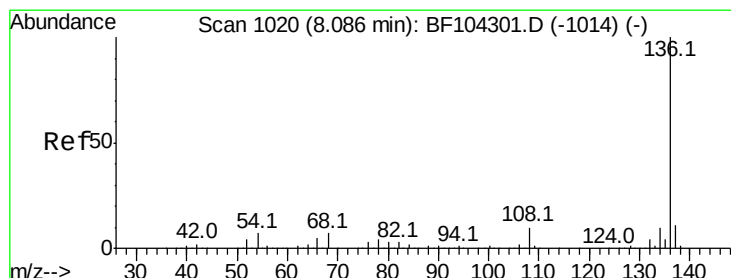
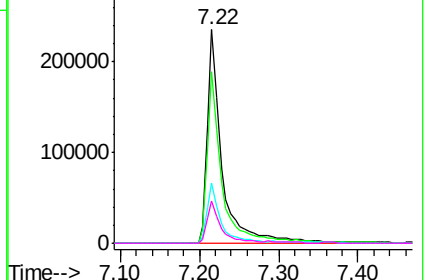
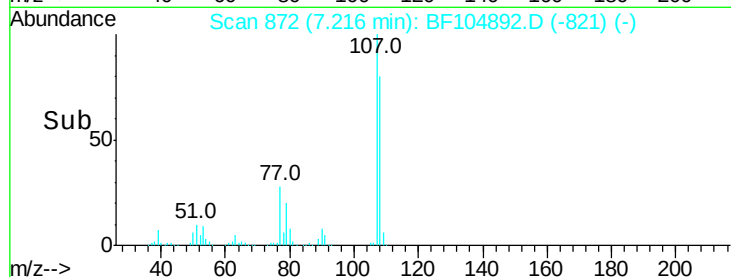


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

Tgt Ion:136 Resp: 400281

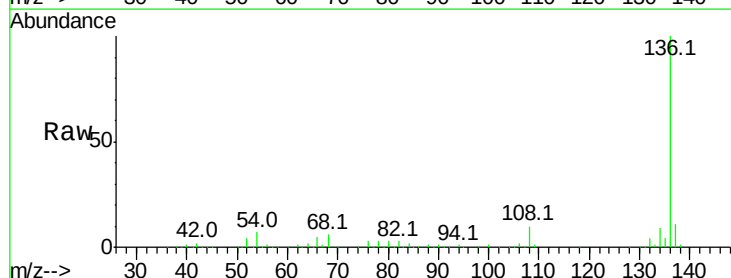
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 6.7 6.6 9.8

68 6.1 5.0 7.4

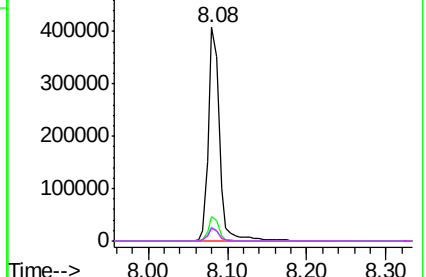
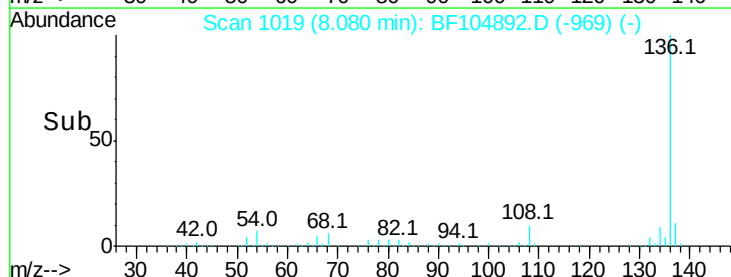


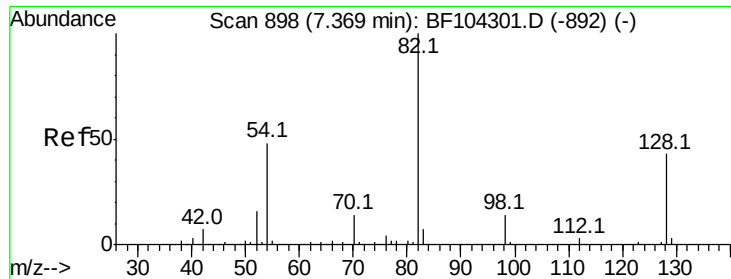
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

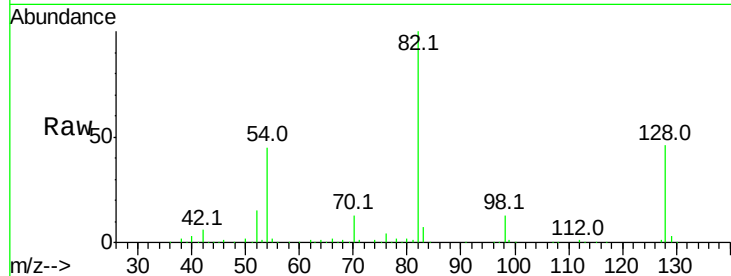
Ion 68.00 (67.70 to 68.70): BF1



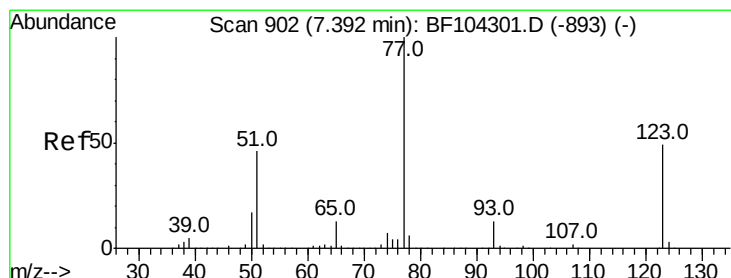
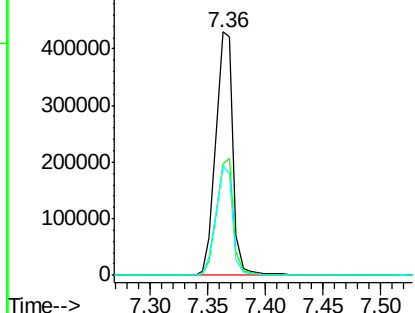
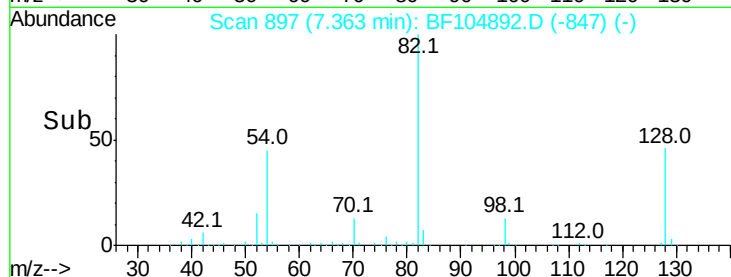


#23
 Nitrobenzene-d5
 Concen: 73.190 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104892.D
 Acq: 27 Apr 2018 20:12

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	44.6	41.4	62.2

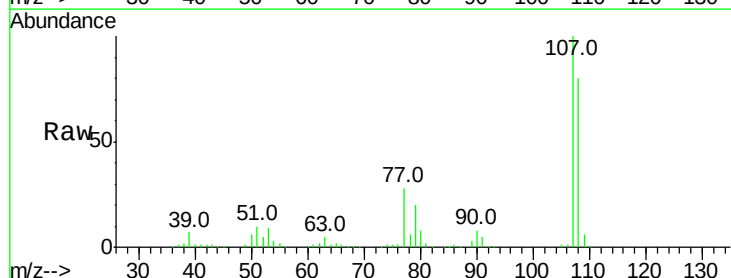


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

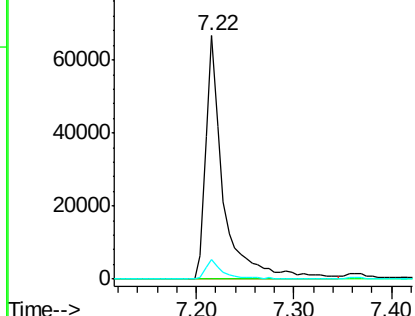
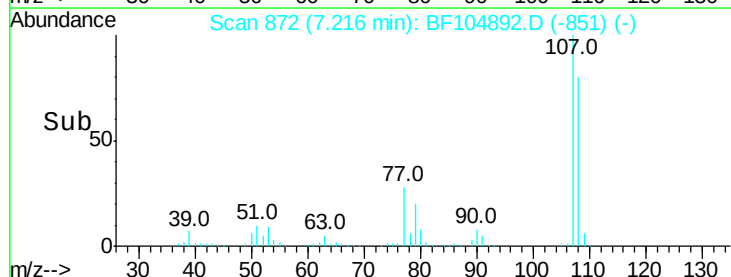


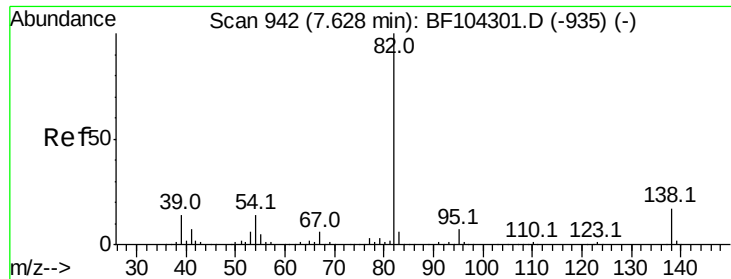
#24
 Nitrobenzene
 Concen: 12.457 ng
 RT: 7.22 min Scan# 872
 Delta R.T. -0.18 min
 Lab File: BF104892.D
 Acq: 27 Apr 2018 20:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.9	56.9#
65	8.2	11.0	16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 34.611 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

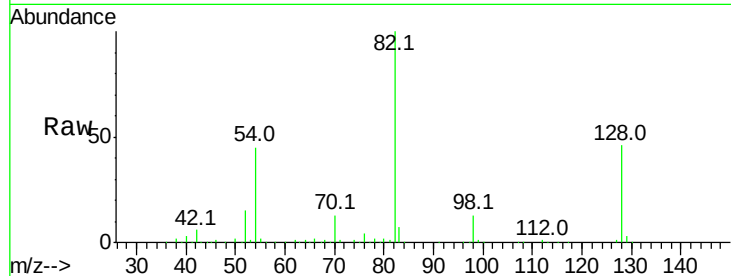
Tot Ion: 82 Resp: 448658

Ion Ratio Lower Upper

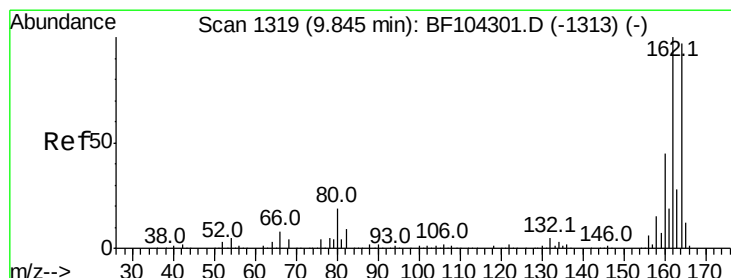
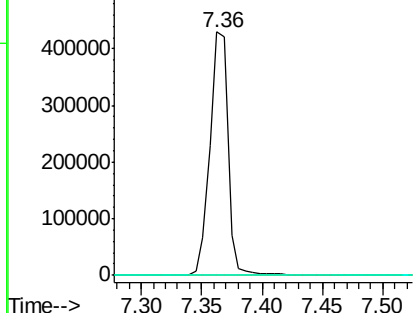
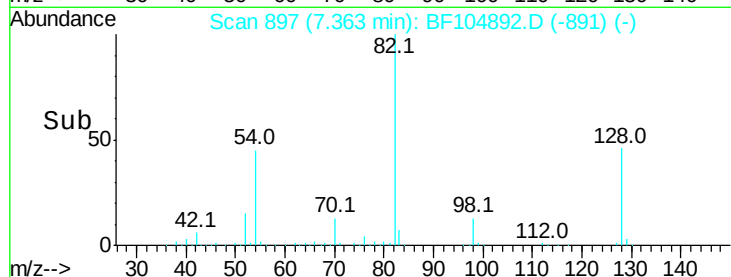
82 100

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: BF104892.D

Acq: 27 Apr 2018 20:12

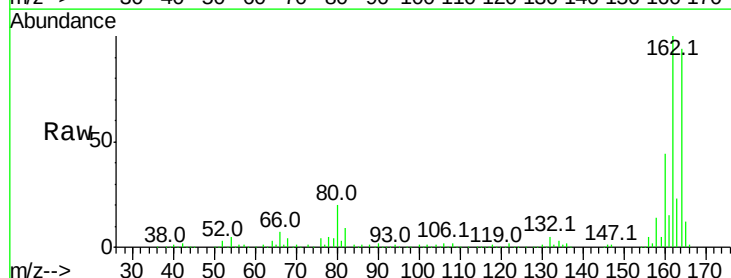
Tgt Ion:164 Resp: 180165

Ion Ratio Lower Upper

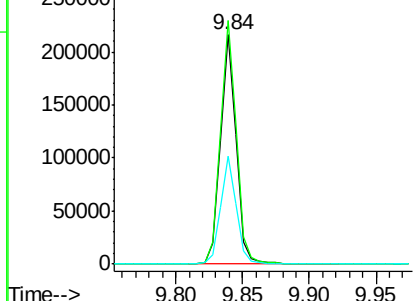
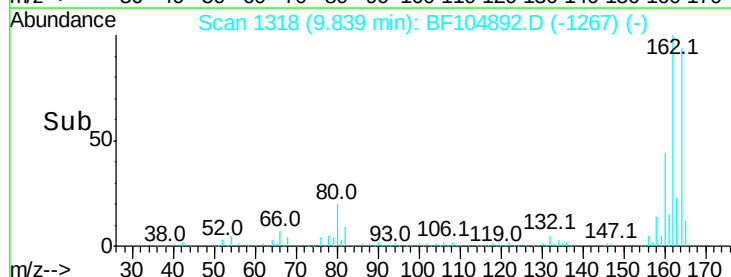
164 100

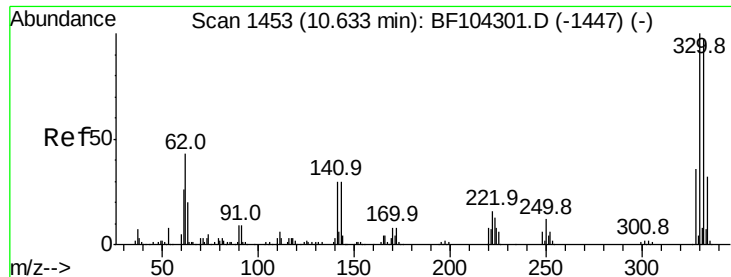
162 106.2 86.1 129.1

160 46.8 38.3 57.5



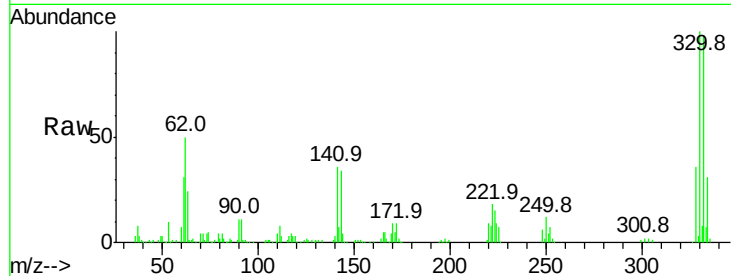
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



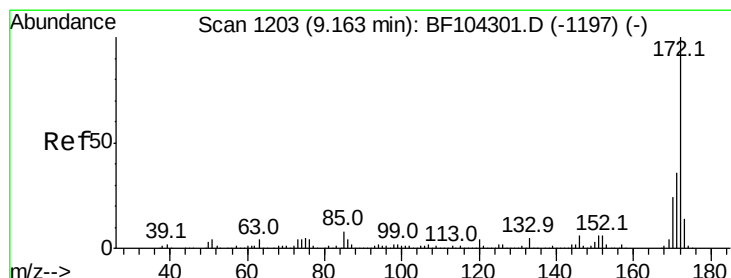
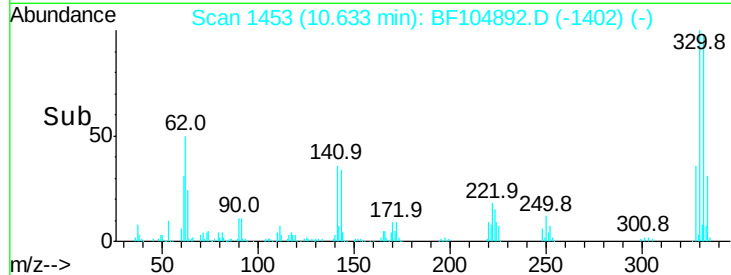
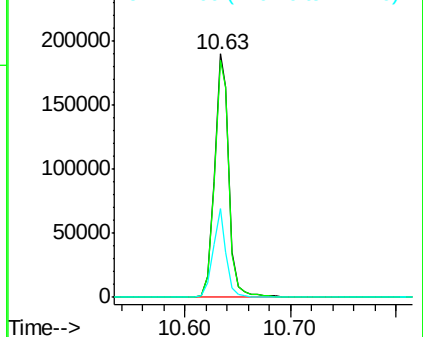


#41
 2,4,6-Tribromophenol
 Concen: 98.684 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104892.D
 Acq: 27 Apr 2018 20:12

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	33.0	29.9	44.9

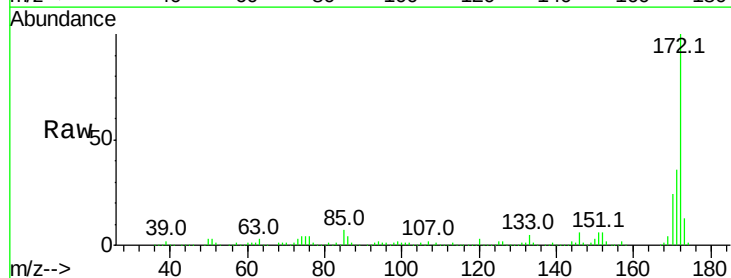


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

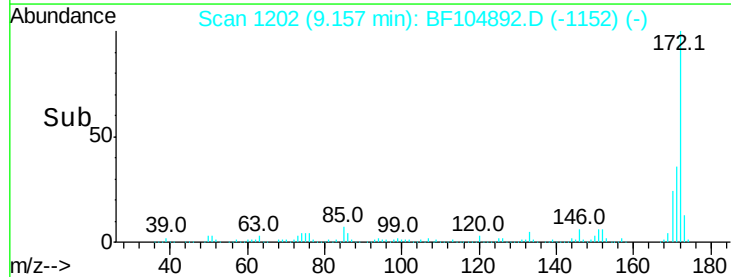
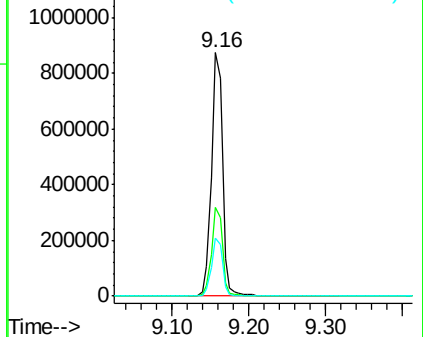


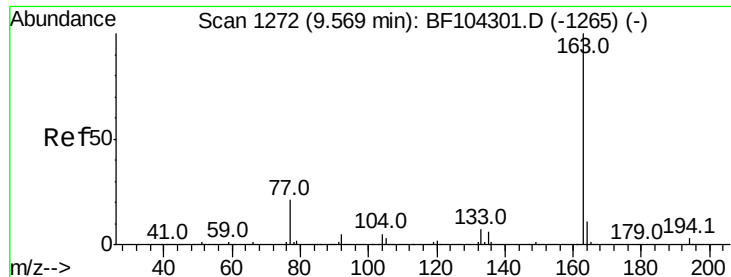
#44
 2-Fluorobiphenyl
 Concen: 75.448 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104892.D
 Acq: 27 Apr 2018 20:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.1	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: 4.928 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

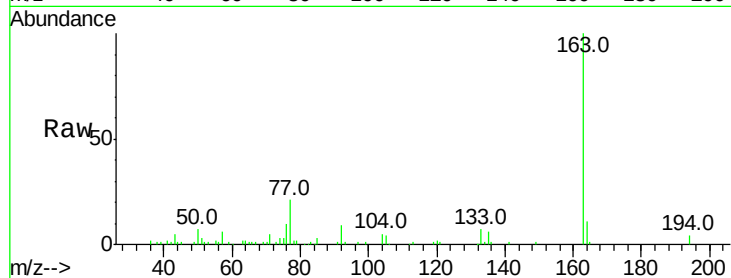
Tot Ion:163 Resp: 70012

Ion Ratio Lower Upper

163 100

194 3.6 2.7 4.1

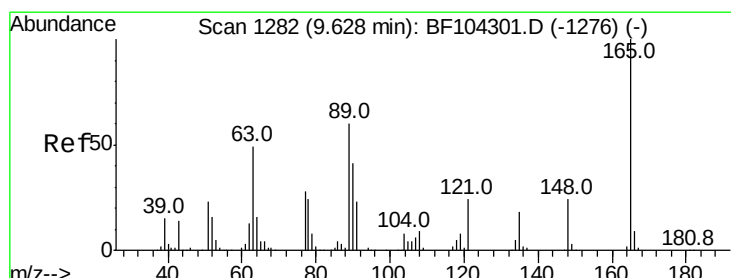
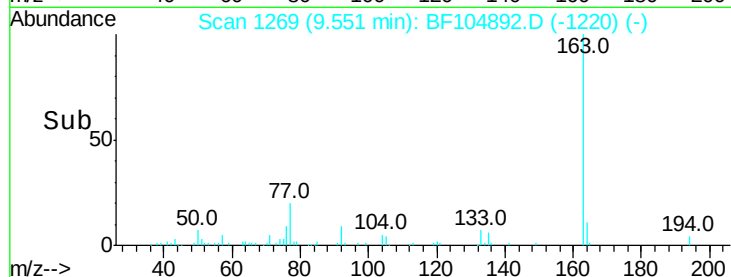
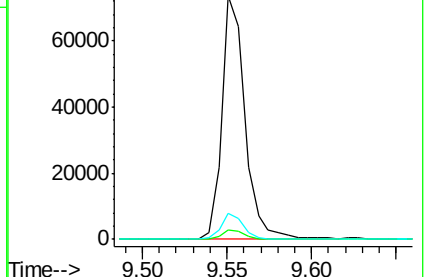
164 10.6 8.2 12.2



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: 8.651 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

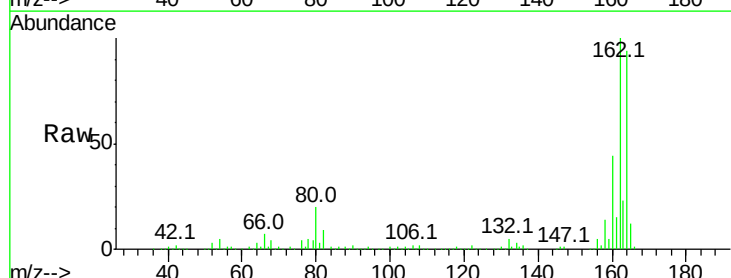
Tgt Ion:165 Resp: 22742

Ion Ratio Lower Upper

165 100

63 2.0 44.7 67.1#

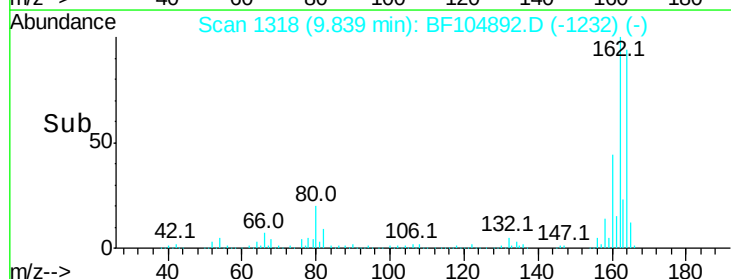
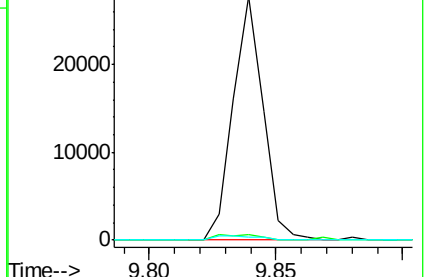
89 1.3 44.0 66.0#

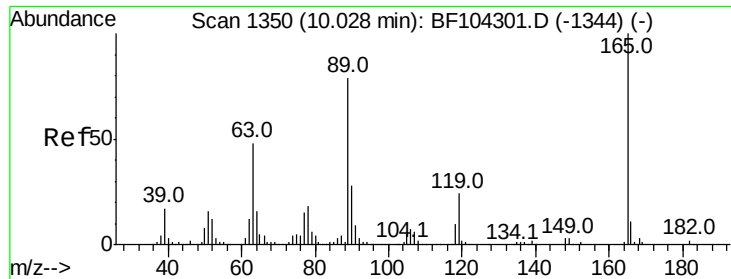


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

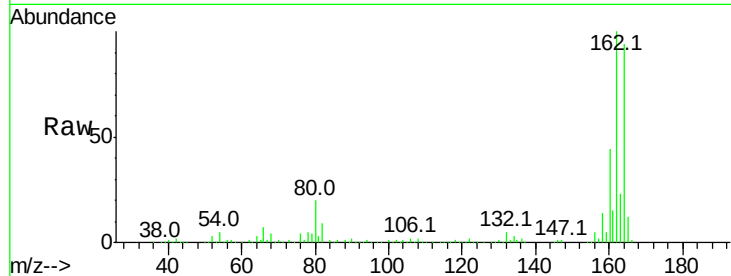
Ion 89.00 (88.70 to 89.70): BF1





#56
2,4-Dinitrotoluene
Concen: 6.595 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104892.D
Acq: 27 Apr 2018 20:12

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

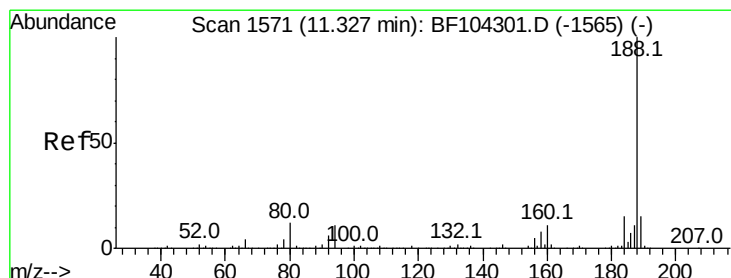
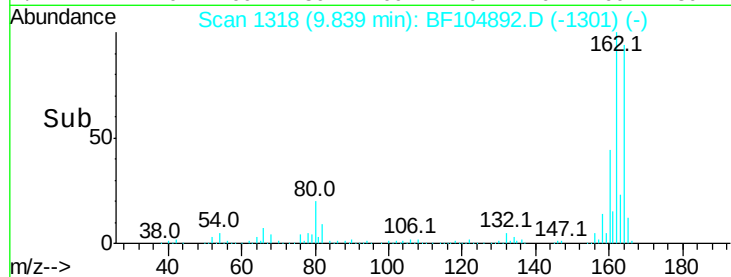
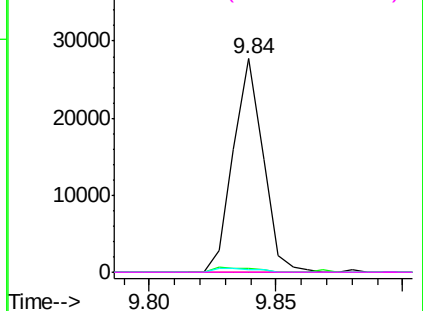


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

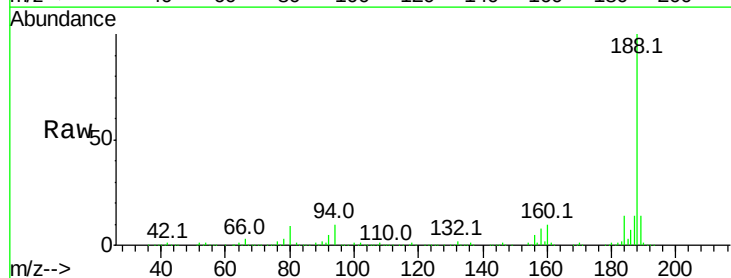
Ion 89.00 (88.70 to 89.70): BF1

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: BF104892.D
Acq: 27 Apr 2018 20:12

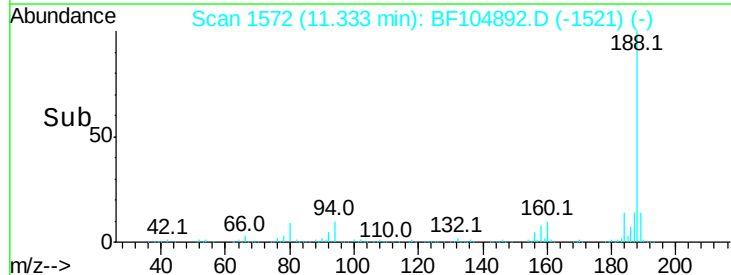
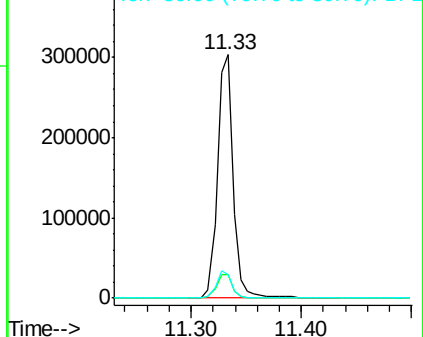
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.4	9.2	13.8

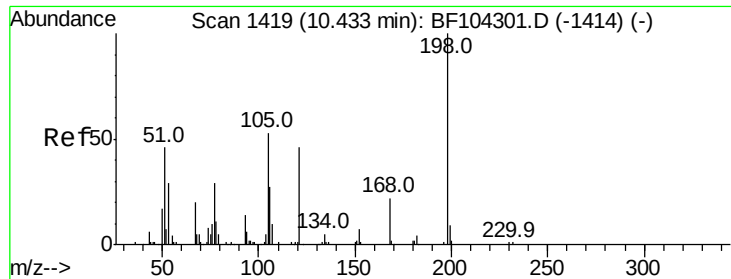


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.633 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

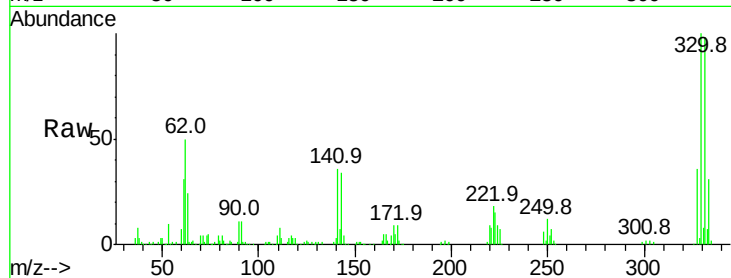
Tot Ion:198 Resp: 489

Ion Ratio Lower Upper

198 100

51 116.3 37.7 77.7#

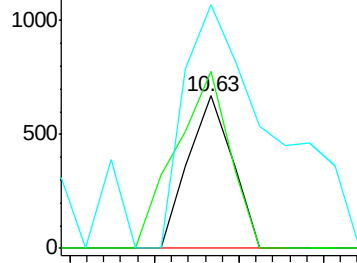
105 159.6 36.3 76.3#



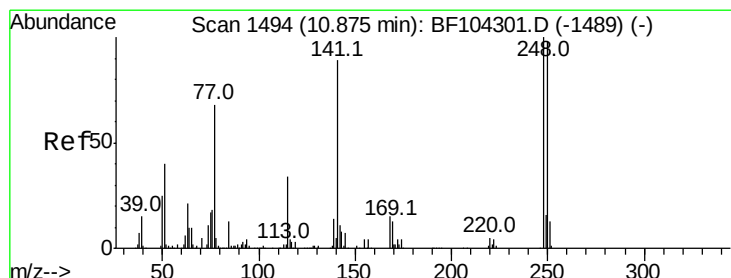
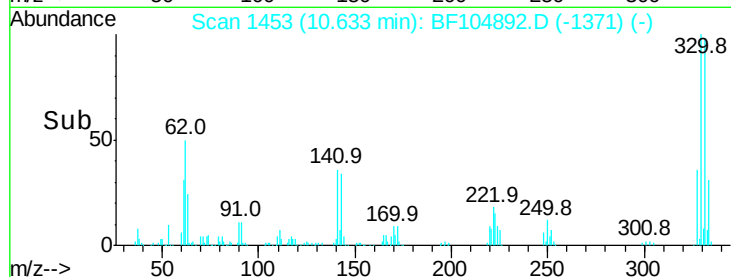
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.479 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

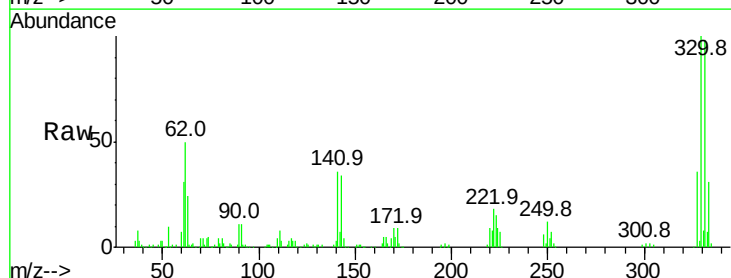
Tgt Ion:248 Resp: 11006

Ion Ratio Lower Upper

248 100

250 198.6 76.9 115.3#

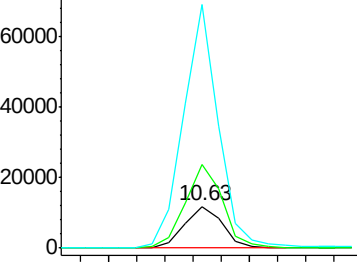
141 582.0 74.4 111.6#



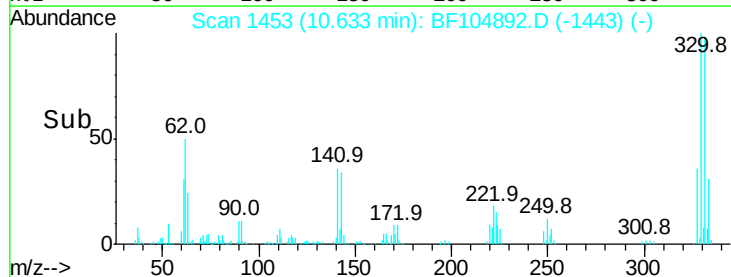
Abundance Ion 248.00 (247.70 to 248.70): E

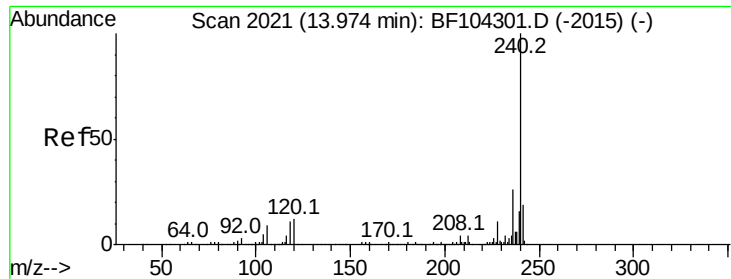
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

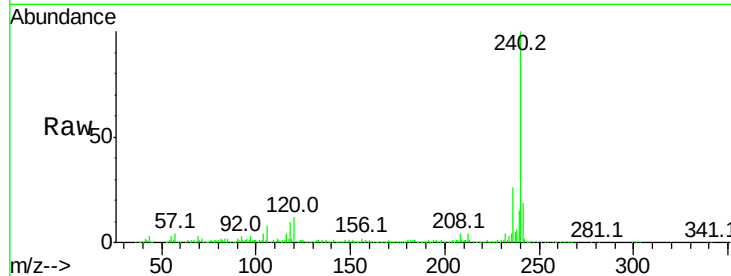
Delta R.T. -0.01 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

Tot Ion:240 Resp: 213341

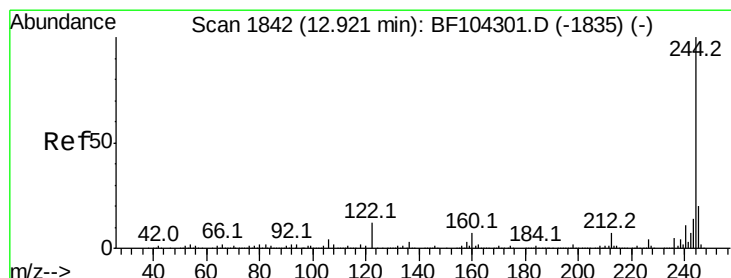
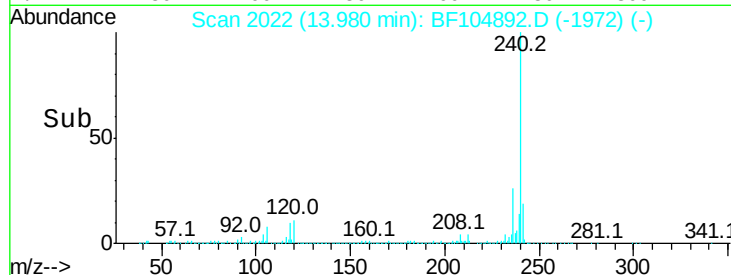
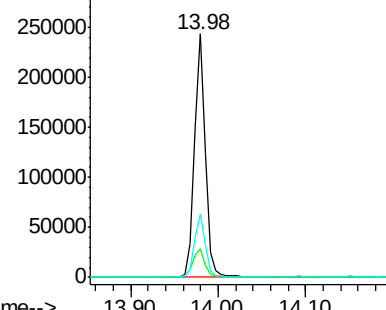
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.5	14.3
236	25.7	20.7	31.1



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: 74.487 ng

RT: 12.92 min Scan# 1842

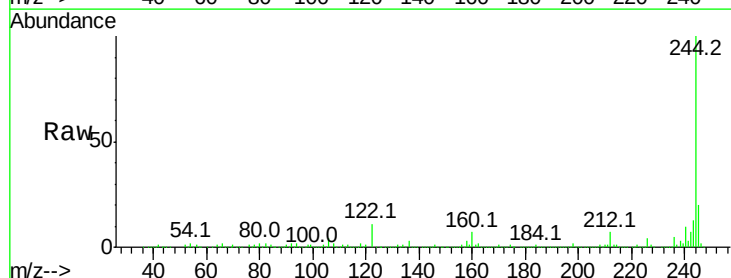
Delta R.T. 0.00 min

Lab File: BF104892.D

Acq: 27 Apr 2018 20:12

Tgt Ion:244 Resp: 697028

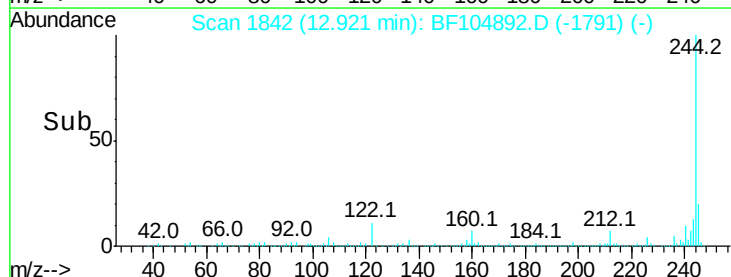
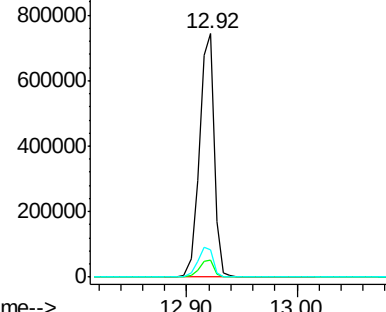
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	11.3	11.0	16.4

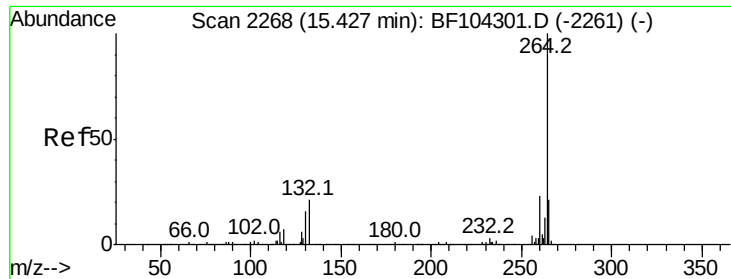


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

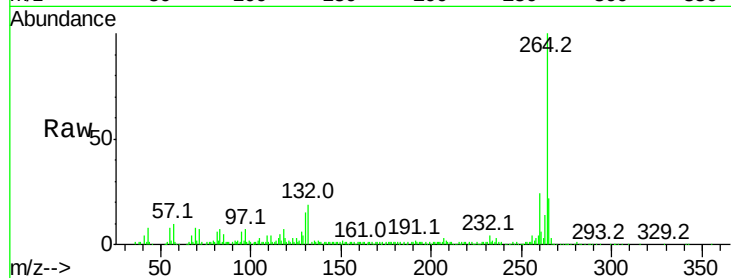
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.00 min
Lab File: BF104892.D
Acq: 27 Apr 2018 20:12

Tot Ion:	264	Resp:	171084
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	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

