

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104889.D
 Acq On : 27 Apr 2018 18:51
 Operator : JU/SJ
 Sample : J2522-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 27 22:48:20 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	83837	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	292697	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	112488	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	211888	20.00	ng	0.00
75) Chrysene-d12	14.03	240	212459	20.00	ng	0.04
86) Perylene-d12	15.47	264	161001	20.00	ng	0.02

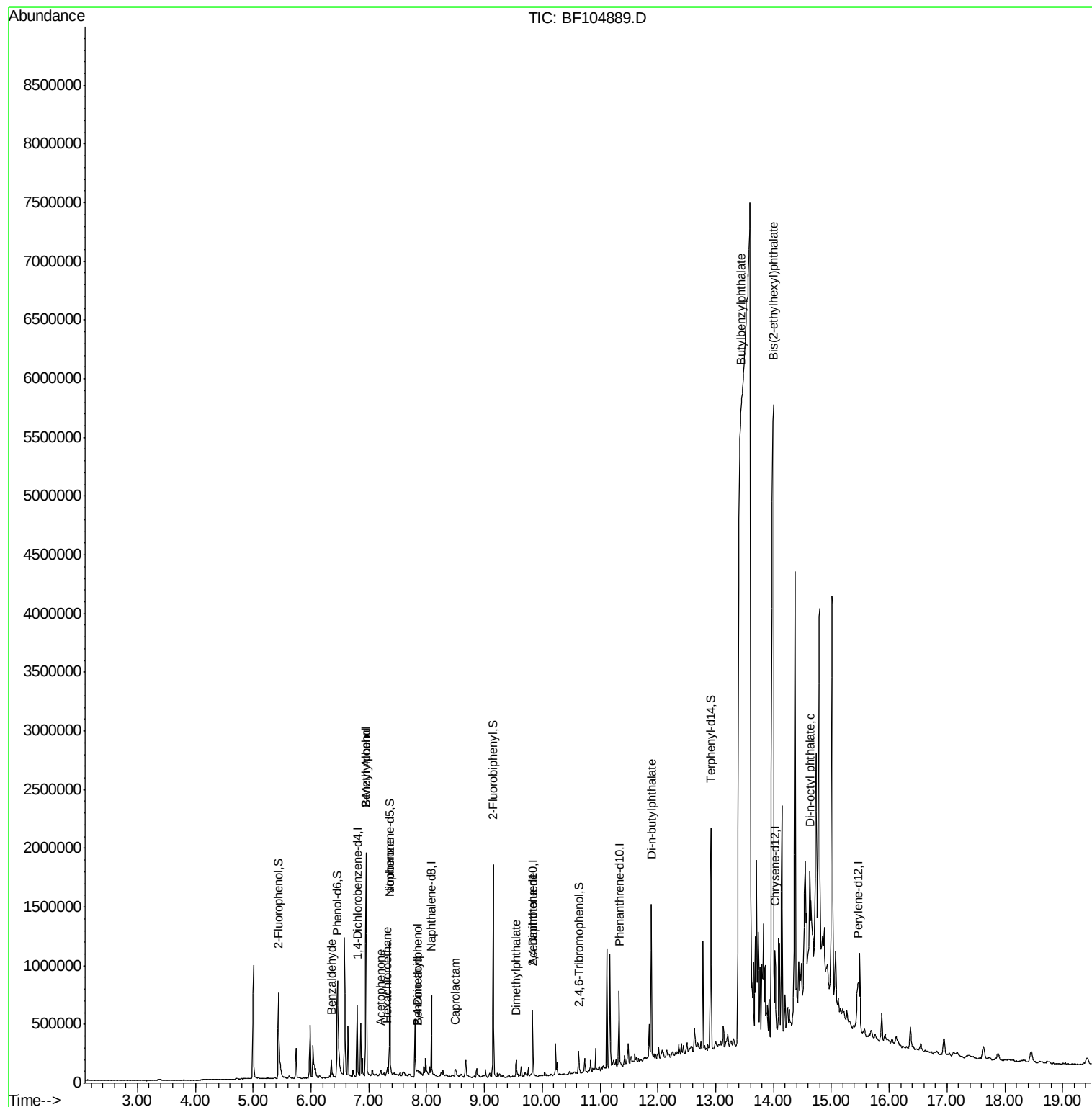
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	364130	66.41	ng	0.02
7) Phenol-d6	6.46	99	534881	79.40	ng	0.01
23) Nitrobenzene-d5	7.36	82	331215	73.89	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	23744	20.35	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	558088	78.38	ng	0.00
78) Terphenyl-d14	12.92	244	618174	66.33	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	37444	7.746	ng	93
15) Benzyl Alcohol	6.95	79	99147	19.377	ng	97
17) 2-Methylphenol	6.95	107	52911	10.518	ng	# 12
18) Hexachloroethane	7.30	117	5368	2.304	ng	# 2
22) Acetophenone	7.20	105	17433	2.419	ng	# 95
25) Isophorone	7.36	82	331000	34.920	ng	# 64
27) 2,4-Dimethylphenol	7.85	122	10759	2.572	ng	# 7
32) Benzoic acid	7.85	122	10759	3.223	ng	88
35) Caprolactam	8.50	113	10105	7.257	ng	89
49) Dimethylphthalate	9.55	163	49066	5.531	ng	98
56) 2,4-Dinitrotoluene	9.83	165	14695	6.825	ng	# 25
73) Di-n-butylphthalate	11.89	149	648077	45.264	ng	99
76) Benzidine	12.70	184	483	Below Cal		# 1
79) Butylbenzylphthalate	13.43	149	4518904	609.082	ng	91
83) Bis(2-ethylhexyl)phthalate	13.99	149	4235838	443.871	ng	# 99
84) Di-n-octyl phthalate	14.63	149	171528	10.757	ng	# 78

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
Data File : BF104889.D
Acq On : 27 Apr 2018 18:51
Operator : JU/SJ
Sample : J2522-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 27 22:48:20 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

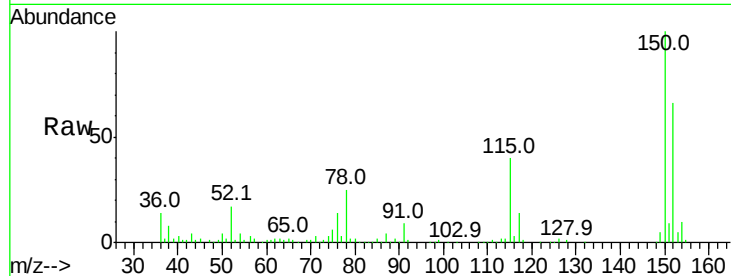




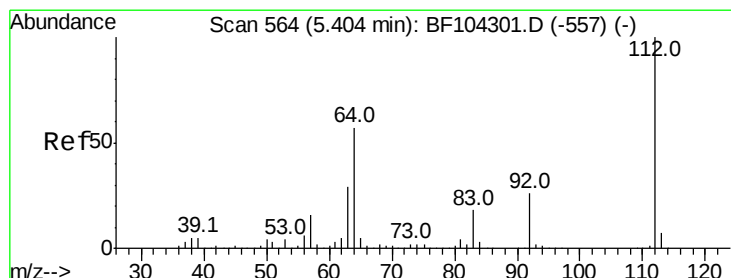
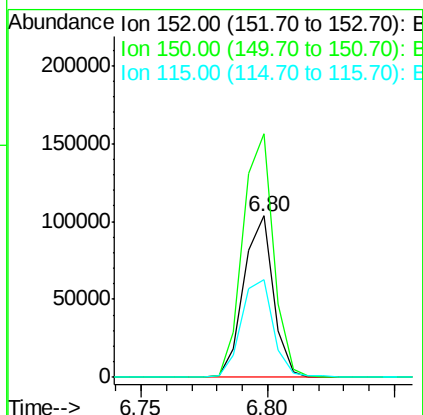
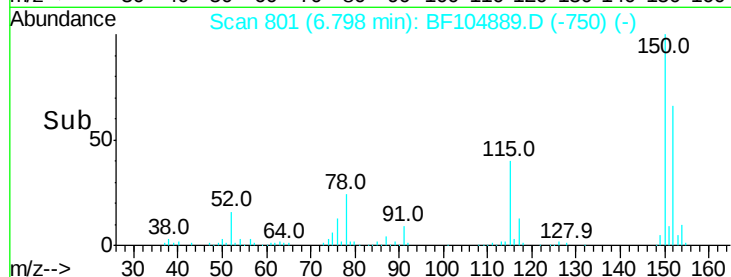
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104889.D
Acq: 27 Apr 2018 18:51

Tot Ion:152 Resp: 83837
Ion Ratio Lower Upper
152 100
150 151.1 124.6 186.8
115 61.0 50.1 75.1



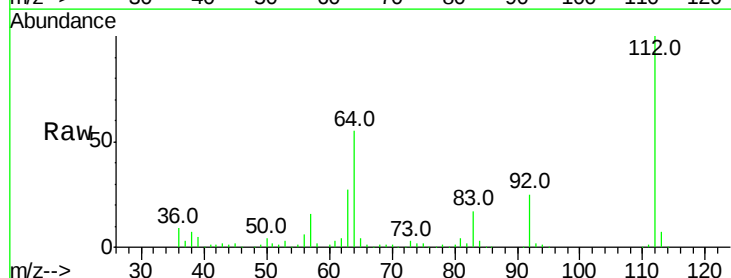
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



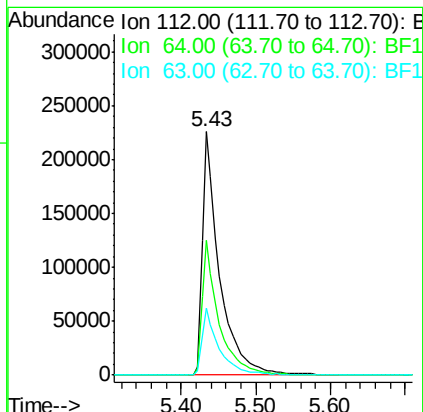
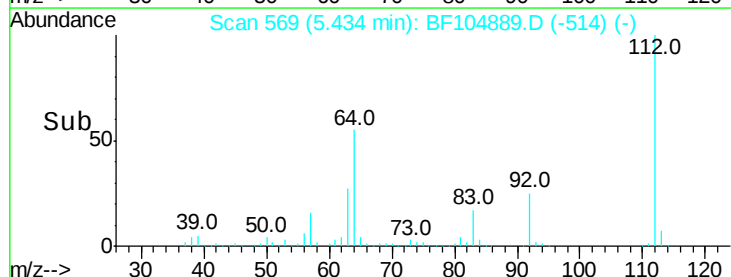
#5

2-Fluorophenol
Concen: 66.412 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104889.D
Acq: 27 Apr 2018 18:51

Tgt Ion:112 Resp: 364130
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 27.4 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: 79.398 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

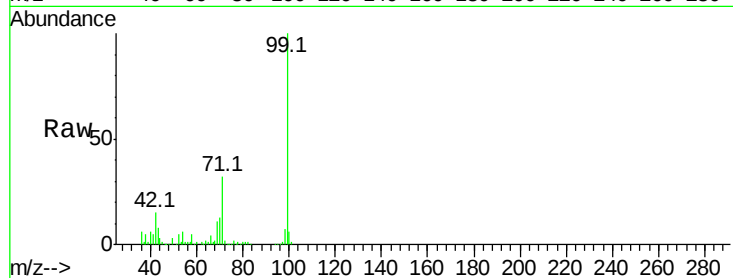
Tot Ion: 99 Resp: 534881

Ion	Ratio	Lower	Upper
99	100		
42	14.5	14.5	21.7
71	31.6	25.4	38.0

99 100

42 14.5 14.5 21.7

71 31.6 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

400000

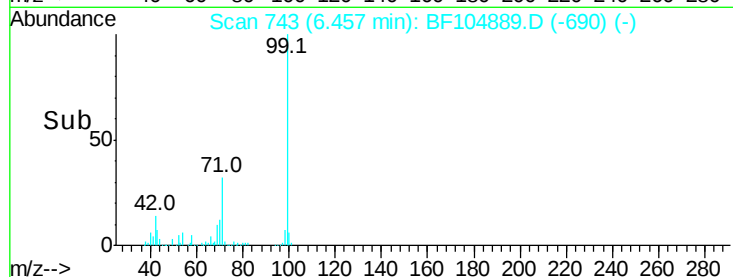
300000

200000

100000

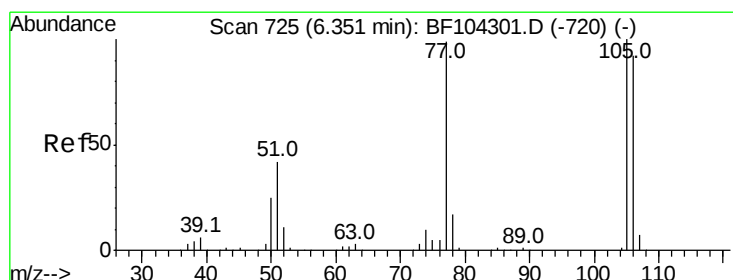
0

6.46



Time-->

6.40 6.50 6.60



#9

Benzaldehyde

Concen: 7.746 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

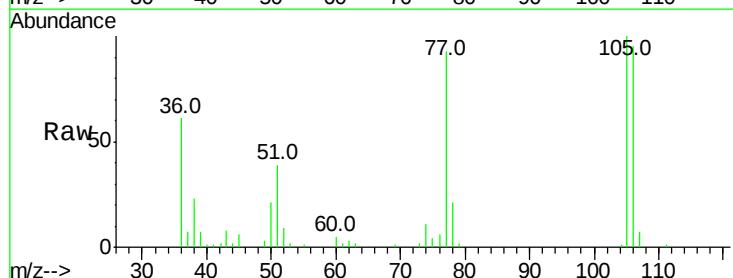
Tgt Ion: 77 Resp: 37444

Ion	Ratio	Lower	Upper
77	100		
105	107.4	81.1	121.1
106	101.7	74.5	114.5

77 100

105 107.4 81.1 121.1

106 101.7 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

50000

40000

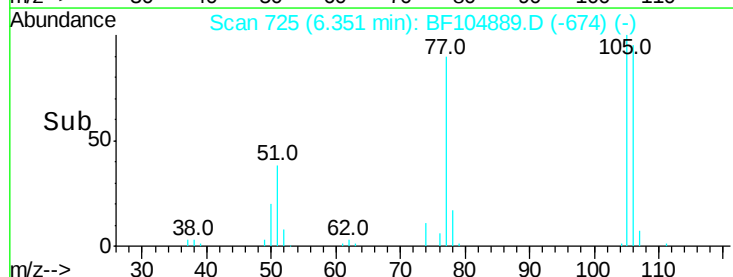
30000

20000

10000

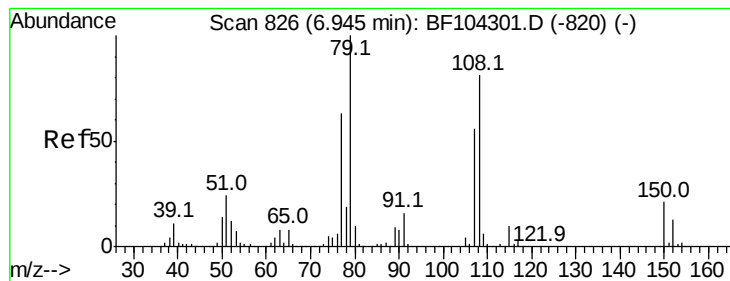
0

6.35



Time-->

6.30 6.40



#15

Benzyl Alcohol

Concen: 19.377 ng

RT: 6.95 min Scan# 826

Delta R.T. 0.00 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

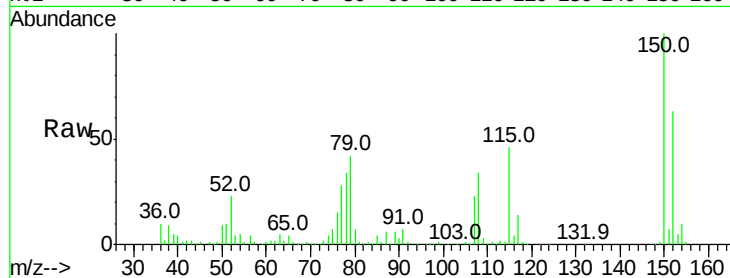
Tot Ion: 79 Resp: 99147

Ion Ratio Lower Upper

79 100

108 79.4 65.1 97.7

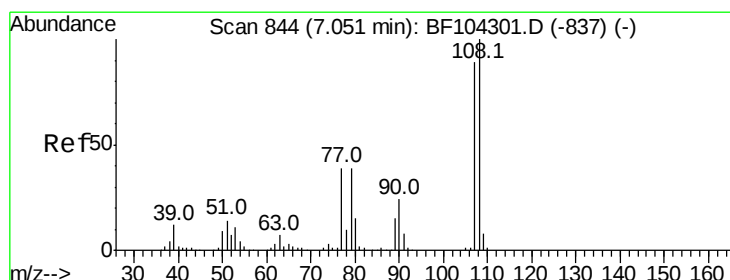
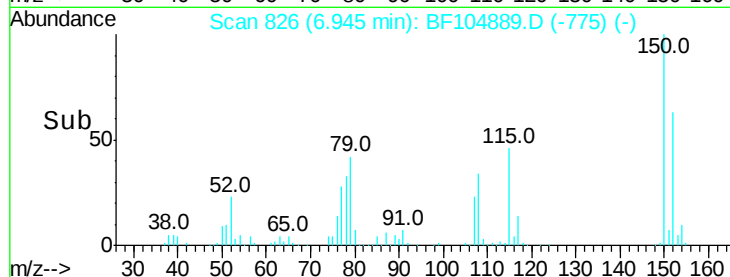
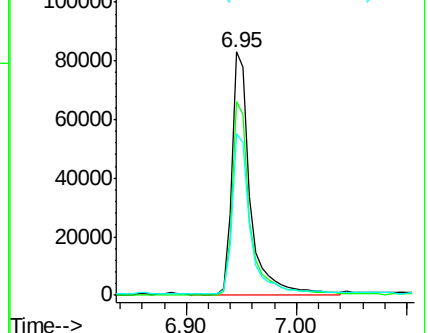
77 66.4 50.6 75.8



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#17

2-Methylphenol

Concen: 10.518 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.12 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

Tgt Ion: 107 Resp: 52911

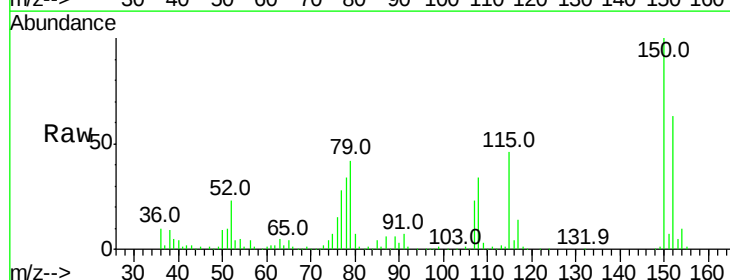
Ion Ratio Lower Upper

107 100

108 143.9 91.7 137.5#

77 120.4 33.8 50.8#

79 181.2 33.8 50.8#

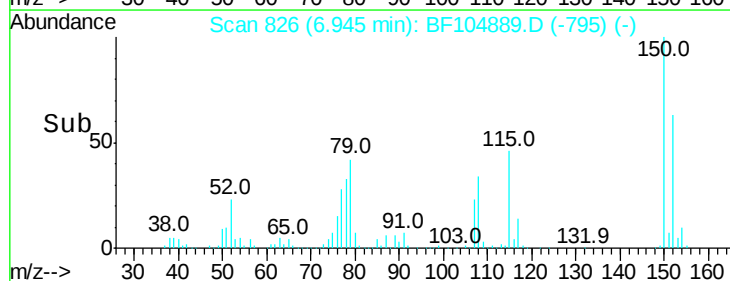
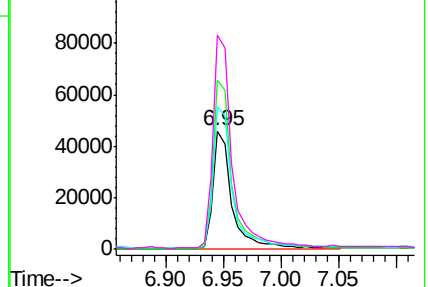


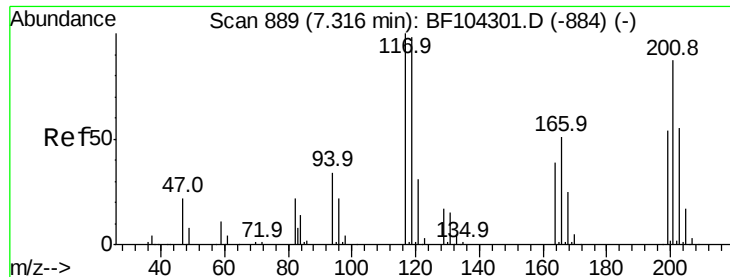
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1





#18

Hexachloroethane

Concen: 2.304 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

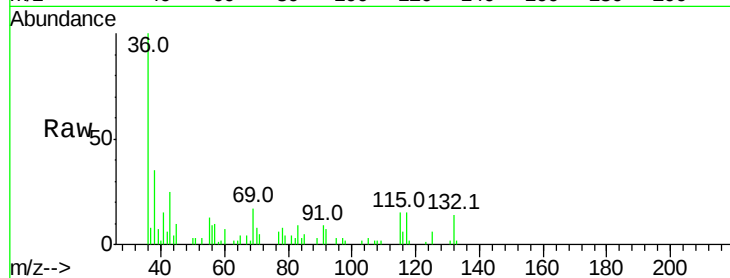
Tot Ion:117 Resp: 5368

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.8#

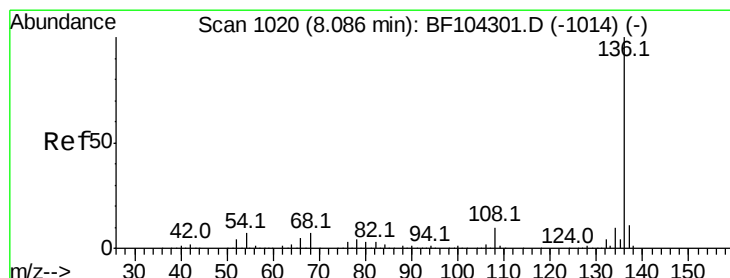
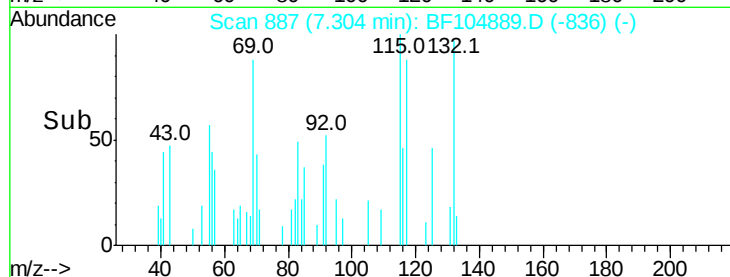
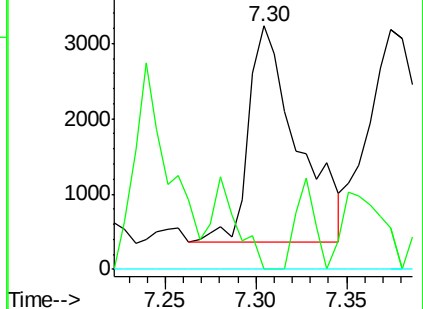
201 0.0 75.7 113.5#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

Tgt Ion:136 Resp: 292697

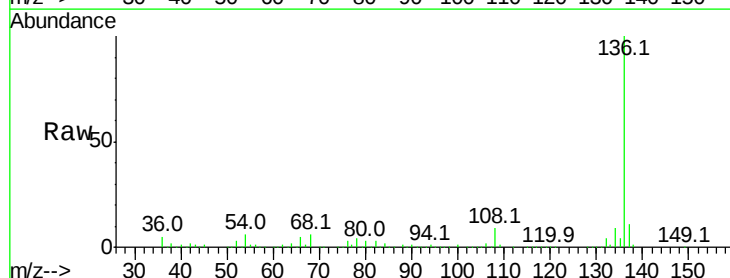
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.3 6.6 9.8#

68 5.8 5.0 7.4

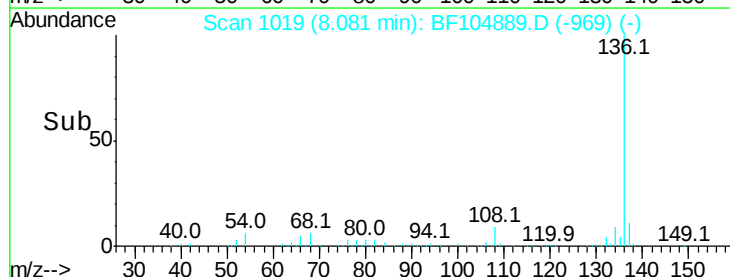
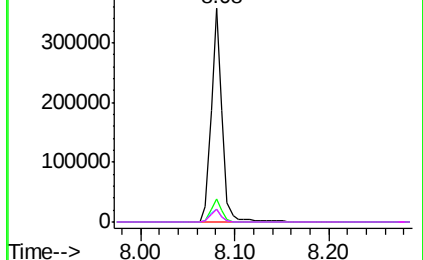


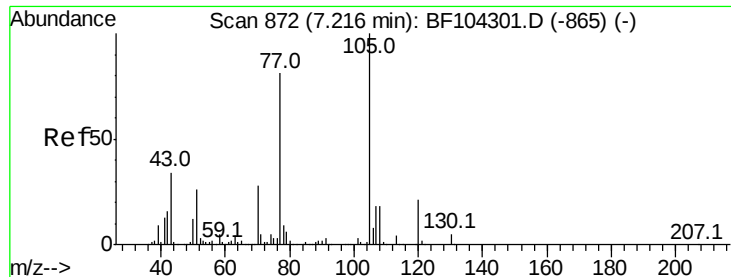
Abundance Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 2.419 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

Tot Ion:105 Resp: 17433

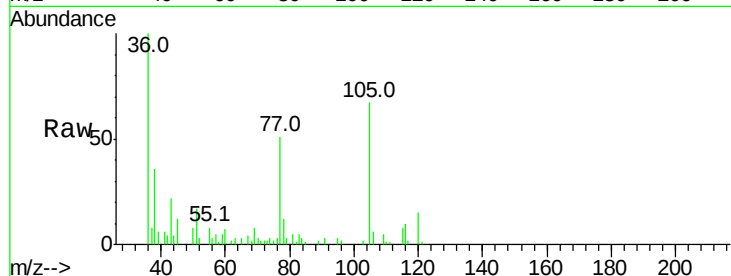
Ion Ratio Lower Upper

105 100

71 3.5 4.4 6.6#

51 25.3 22.3 33.5

120 22.9 16.9 25.3

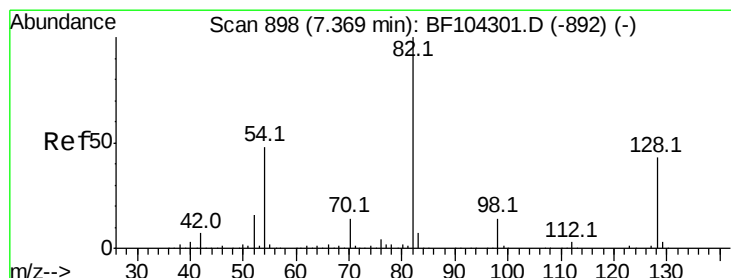
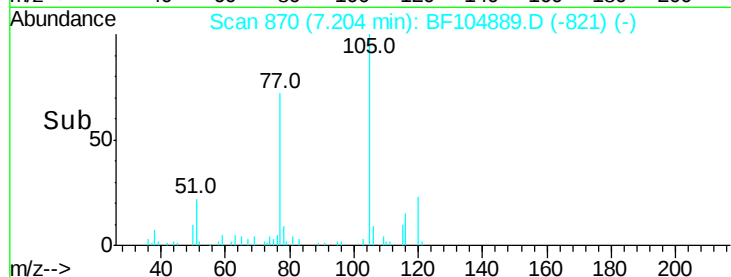
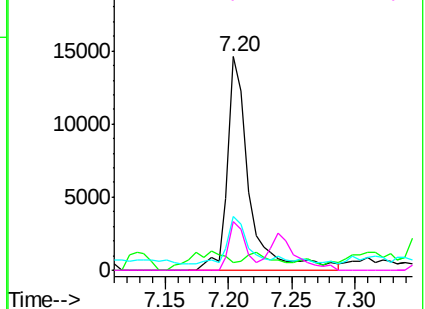


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 73.891 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

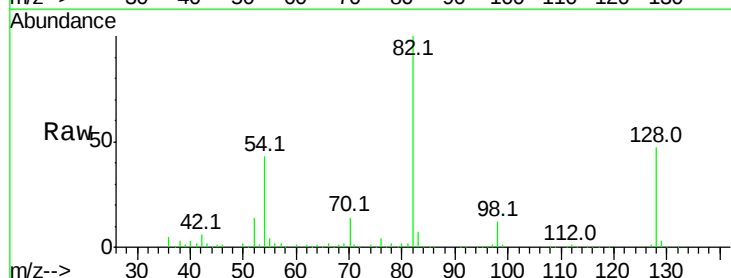
Tgt Ion: 82 Resp: 331215

Ion Ratio Lower Upper

82 100

128 46.5 36.1 54.1

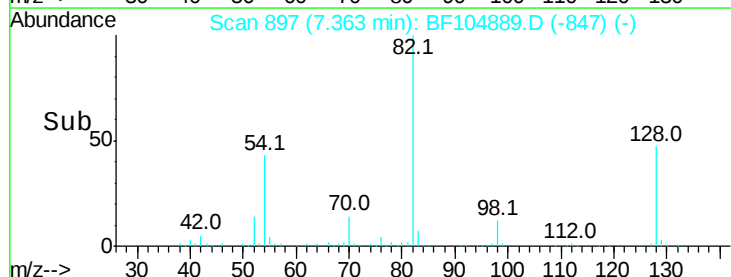
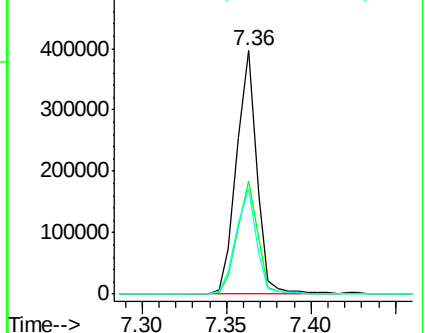
54 43.4 41.4 62.2

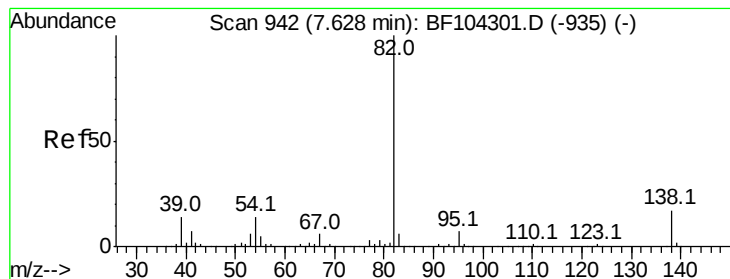


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.920 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

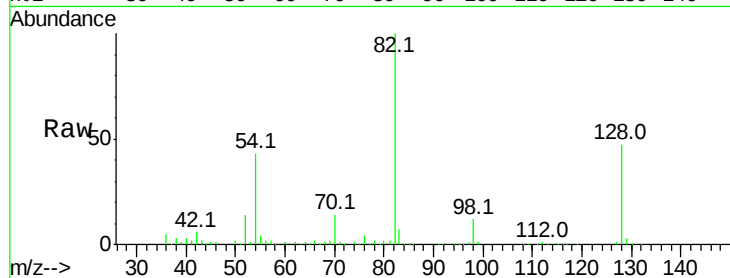
Tot Ion: 82 Resp: 331000

Ion Ratio Lower Upper

82 100

95 0.2 5.2 7.8#

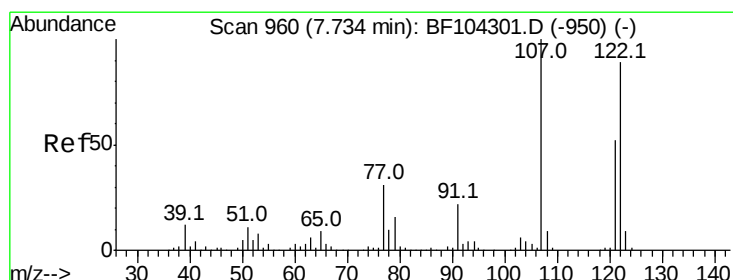
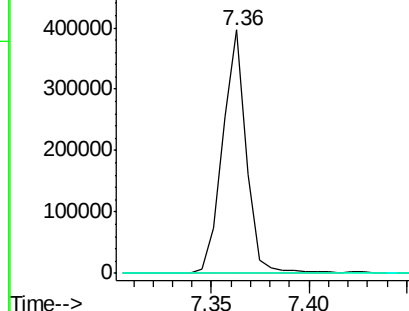
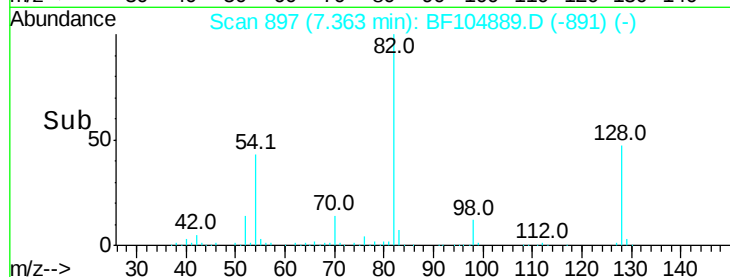
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 2.572 ng

RT: 7.85 min Scan# 979

Delta R.T. 0.11 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

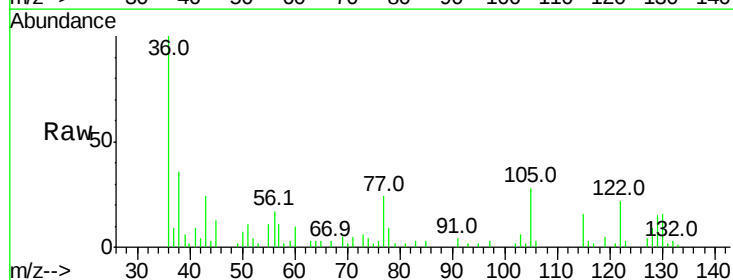
Tgt Ion:122 Resp: 10759

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

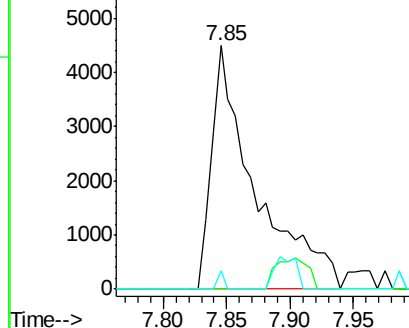
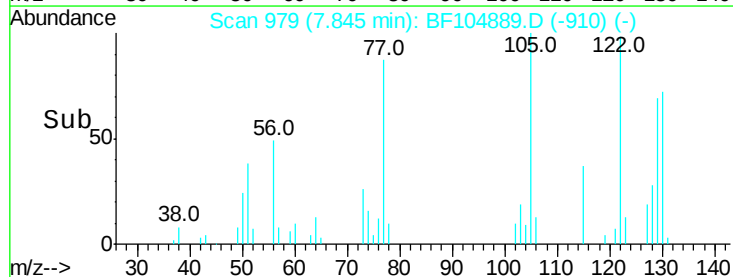
121 7.3 47.2 70.8#

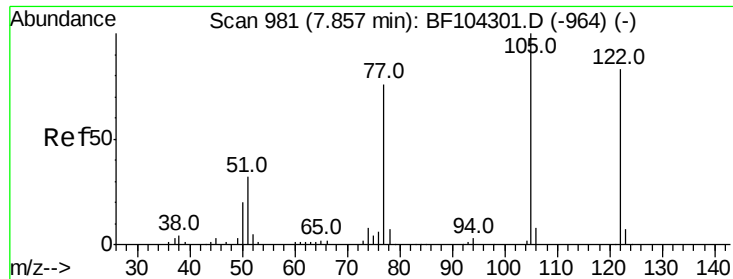


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

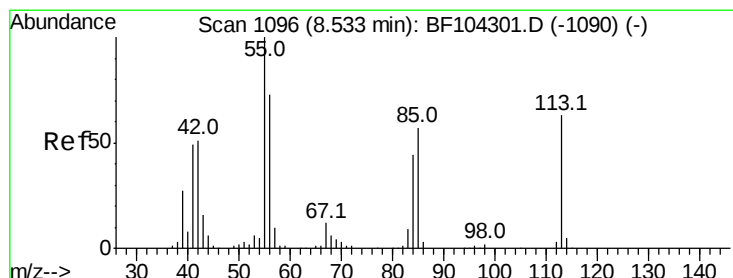
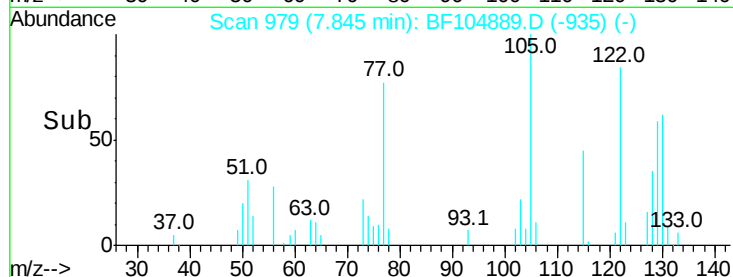
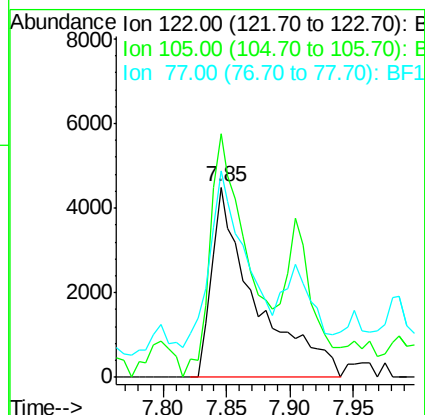
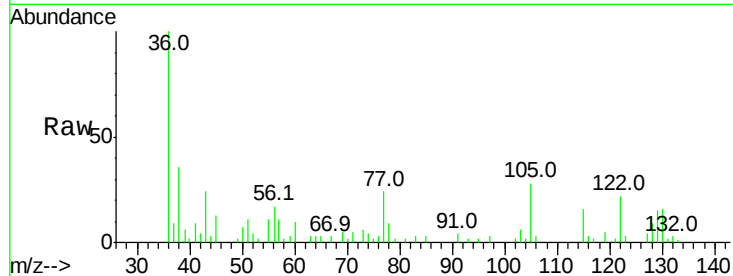
Ion 121.00 (120.70 to 121.70): E





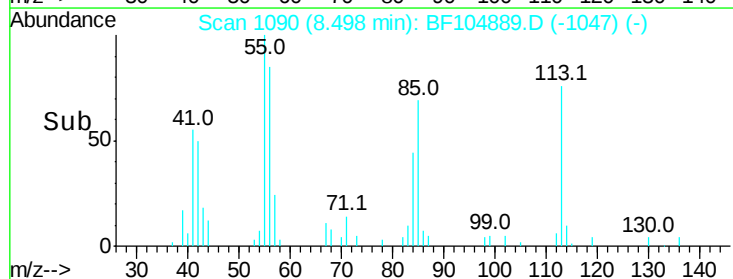
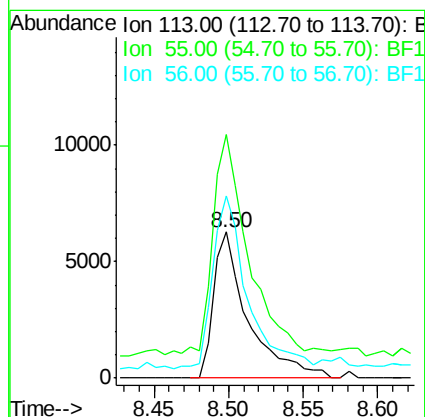
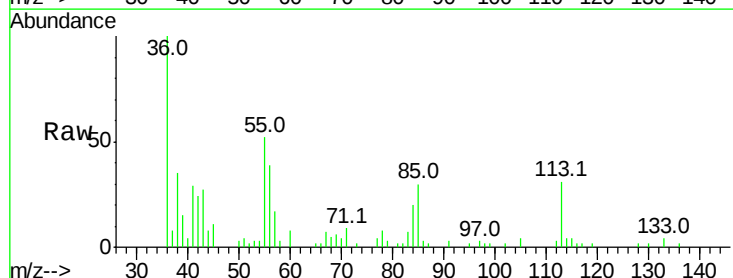
#32
Benzoic acid
Concen: 3.223 ng
RT: 7.85 min Scan# 979
Delta R.T. -0.04 min
Lab File: BF104889.D
Acq: 27 Apr 2018 18:51

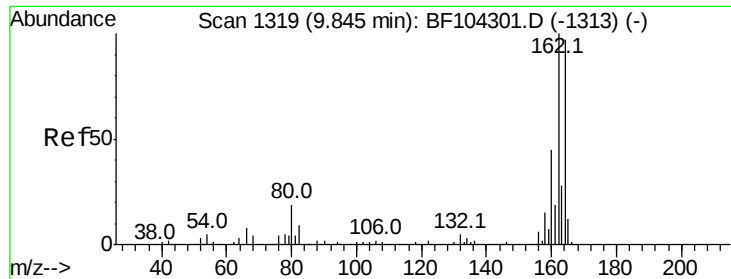
Tot Ion:	122	Resp:	10759
Ion	Ratio	Lower	Upper
122	100		
105	128.1	101.1	141.1
77	108.5	70.7	110.7



#35
Caprolactam
Concen: 7.257 ng
RT: 8.50 min Scan# 1090
Delta R.T. -0.05 min
Lab File: BF104889.D
Acq: 27 Apr 2018 18:51

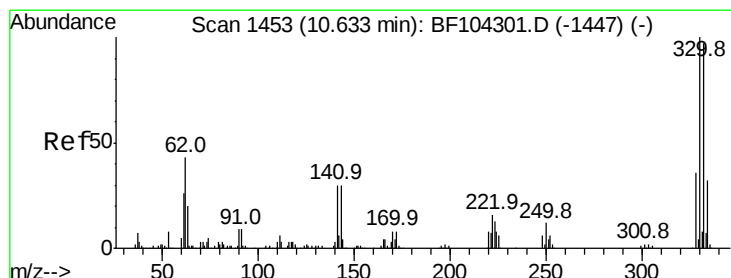
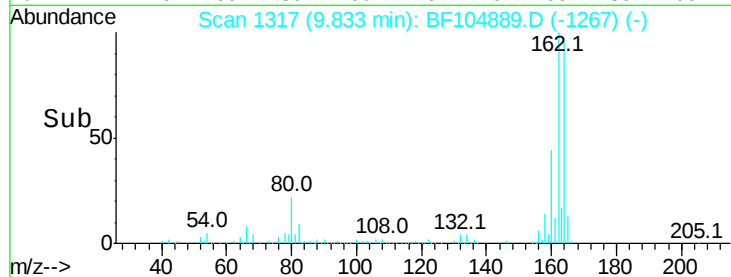
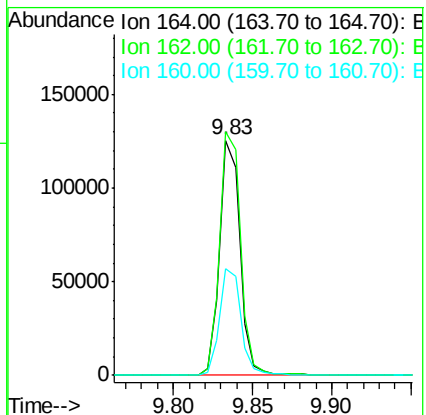
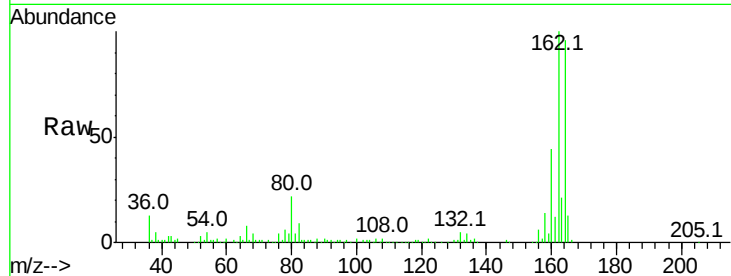
Tgt Ion:	113	Resp:	10105
Ion	Ratio	Lower	Upper
113	100		
55	166.6	163.3	203.3
56	124.5	115.7	155.7





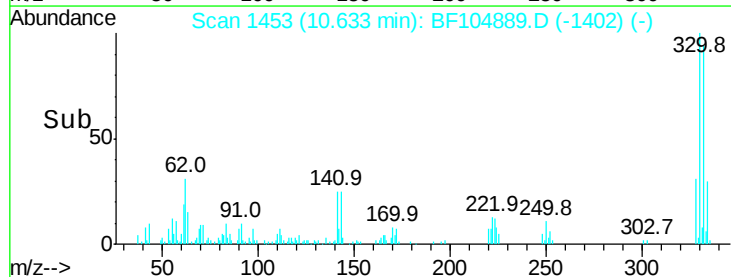
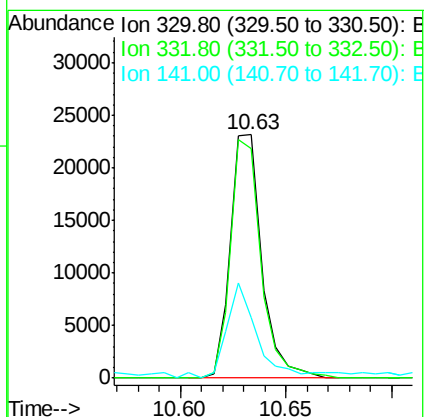
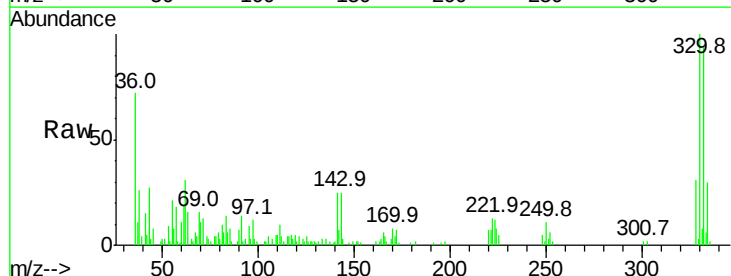
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF104889.D
Acq: 27 Apr 2018 18:51

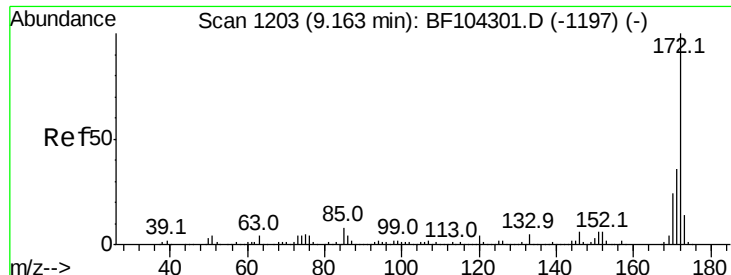
Tot Ion:164 Resp: 112488
Ion Ratio Lower Upper
164 100
162 103.7 86.1 129.1
160 45.5 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 20.348 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF104889.D
Acq: 27 Apr 2018 18:51

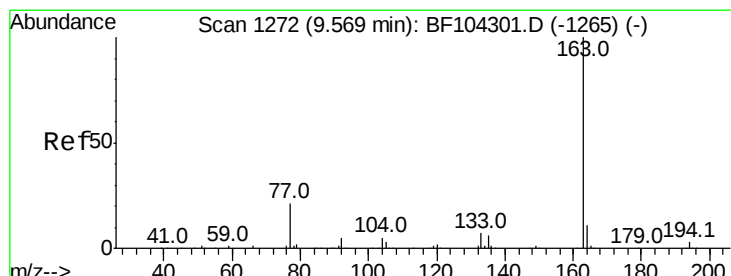
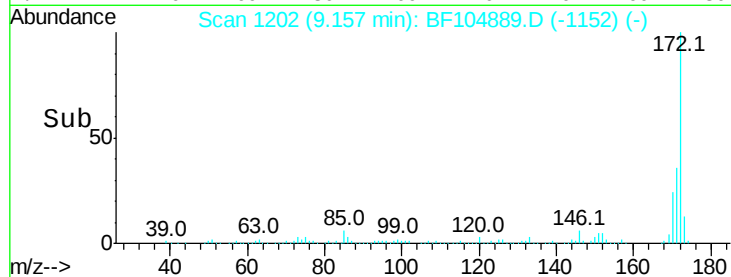
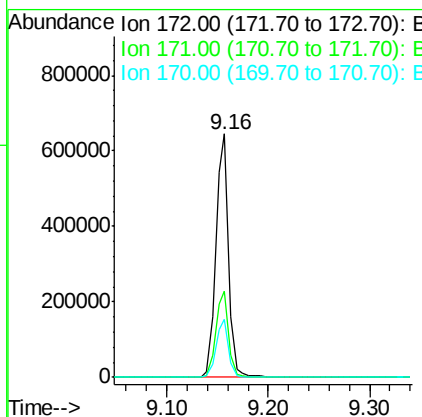
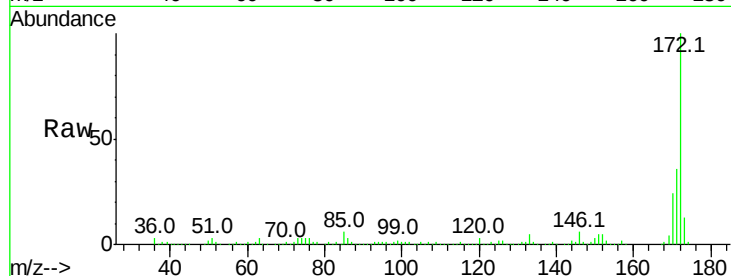
Tgt Ion:330 Resp: 23744
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 38.5 29.9 44.9





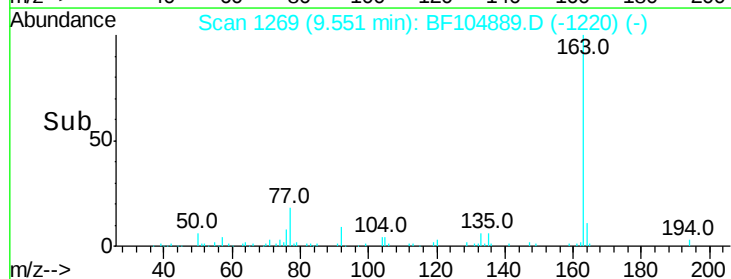
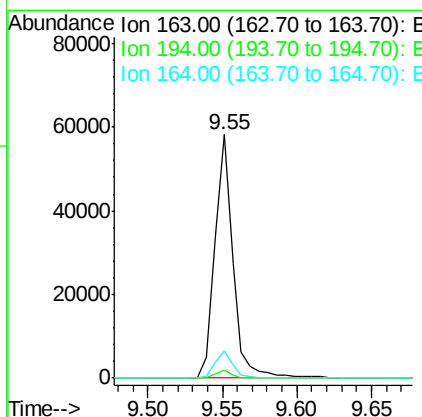
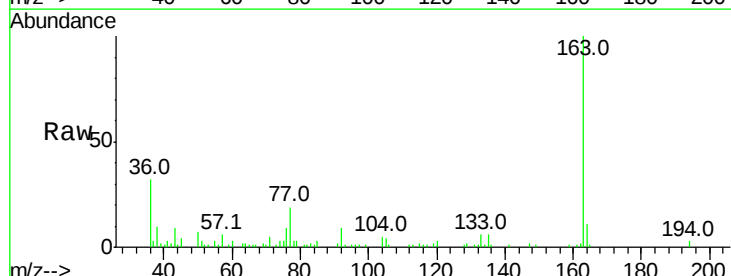
#44
 2-Fluorobiphenyl
 Concen: 78.376 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104889.D
 Acq: 27 Apr 2018 18:51

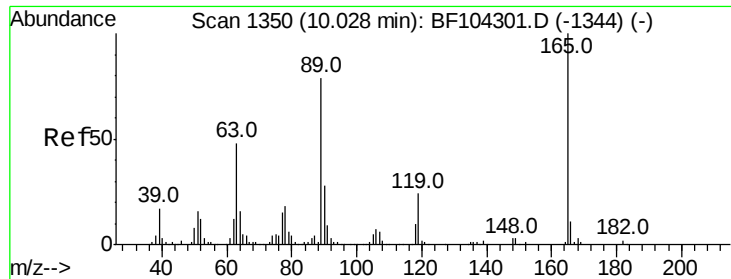
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.6	19.6	29.4



#49
 Dimethylphthalate
 Concen: 5.531 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: BF104889.D
 Acq: 27 Apr 2018 18:51

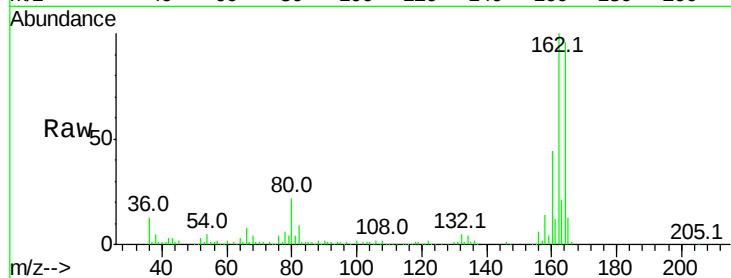
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	11.3	8.2	12.2





#56
 2,4-Dinitrotoluene
 Concen: 6.825 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF104889.D
 Acq: 27 Apr 2018 18:51

Tot Ion:	165	Resp:	14695
Ion	Ratio	Lower	Upper
165	100		
63	3.1	36.4	54.6#
89	3.2	57.8	86.6#
182	0.0	1.6	2.4#

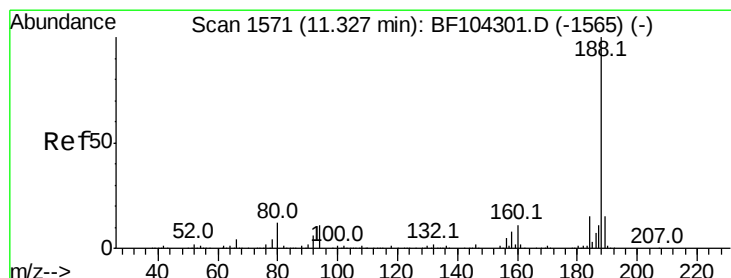
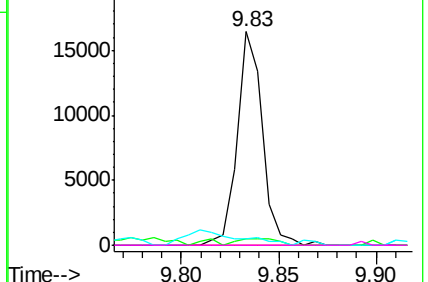
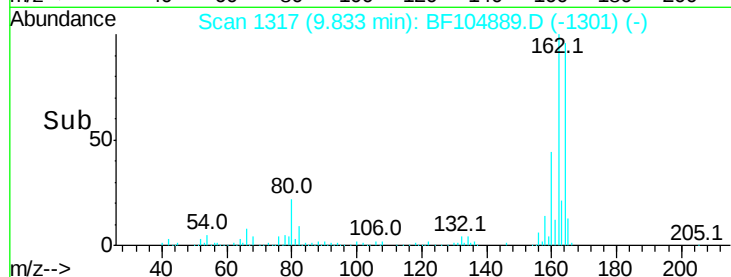


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

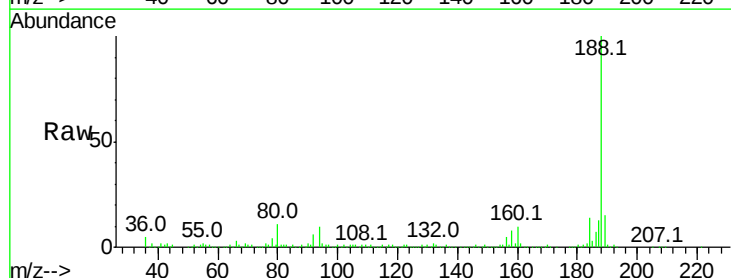
Ion 89.00 (88.70 to 89.70): BF1

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: BF104889.D
 Acq: 27 Apr 2018 18:51

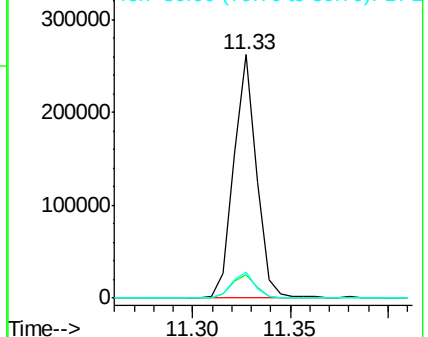
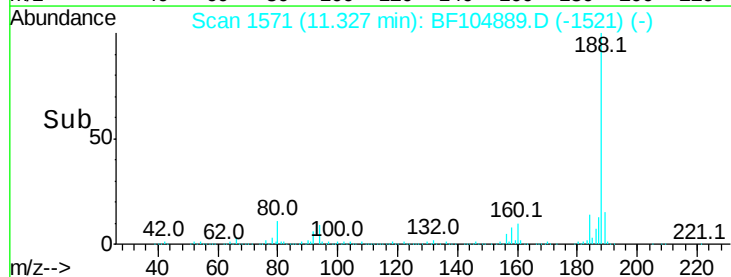
Tgt Ion:	188	Resp:	211888
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.8	9.2	13.8

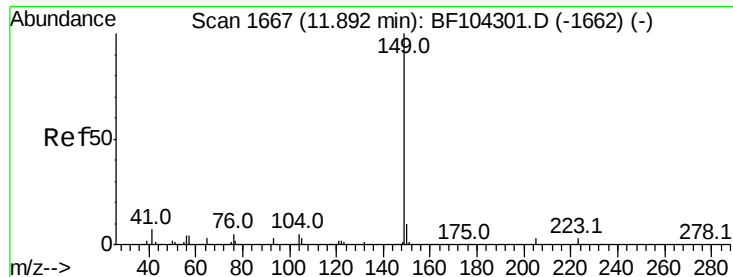


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#73

Di-n-butylphthalate

Concen: 45.264 ng

RT: 11.89 min Scan# 1666

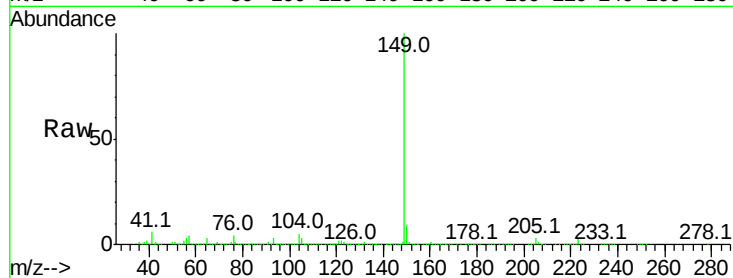
Delta R.T. 0.00 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

Tot Ion:149 Resp: 648077

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.8	11.6
104	4.8	3.8	5.8

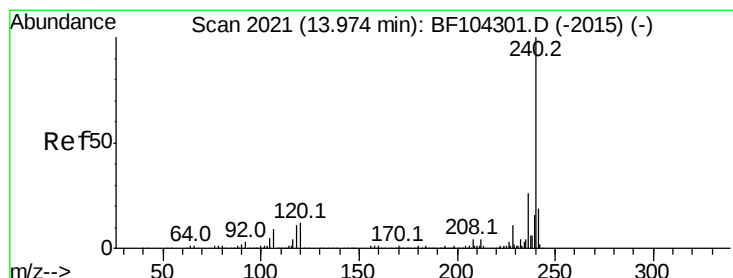
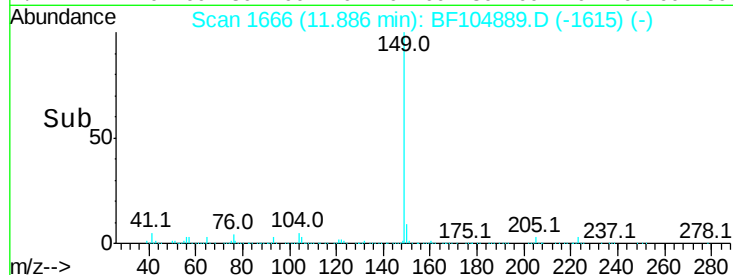


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2030

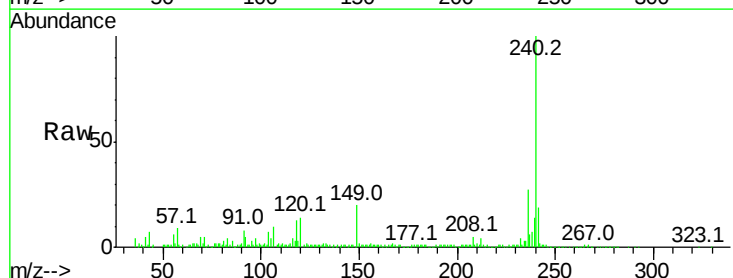
Delta R.T. 0.04 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

Tgt Ion:240 Resp: 212459

Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	27.2	20.7	31.1

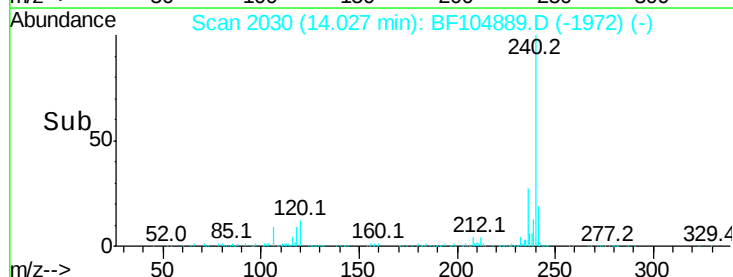


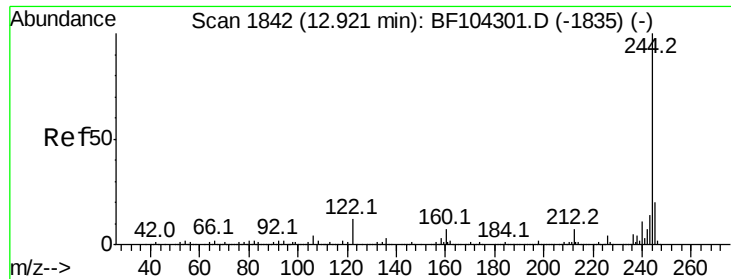
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->





#78

Terphenyl-d14

Concen: 66.334 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

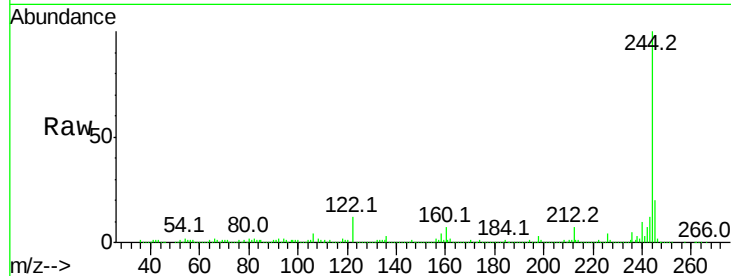
Tot Ion:244 Resp: 618174

Ion Ratio Lower Upper

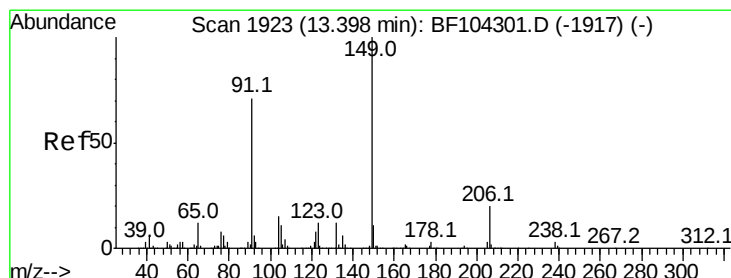
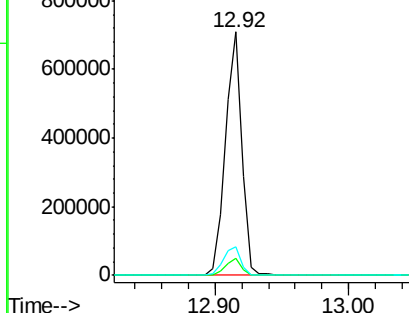
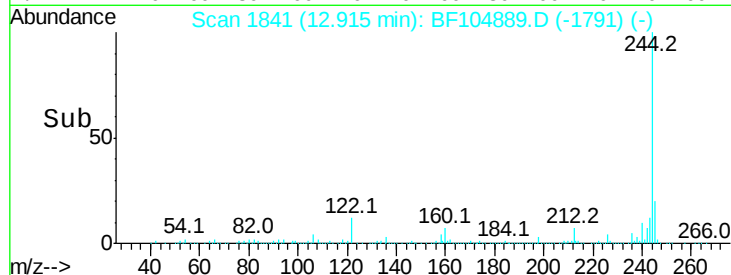
244 100

212 6.8 5.4 8.0

122 11.7 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: 609.082 ng

RT: 13.43 min Scan# 1929

Delta R.T. 0.04 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

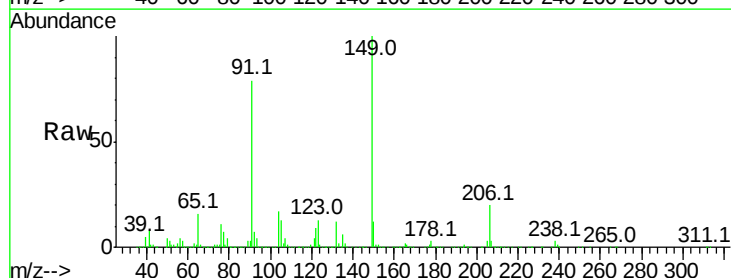
Tgt Ion:149 Resp: 4518904

Ion Ratio Lower Upper

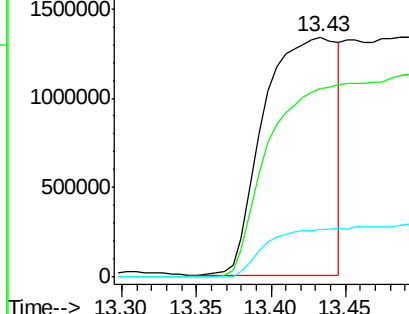
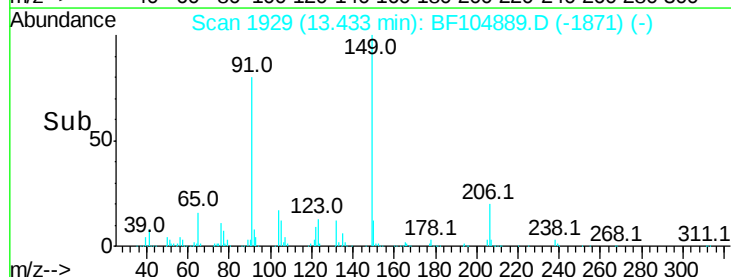
149 100

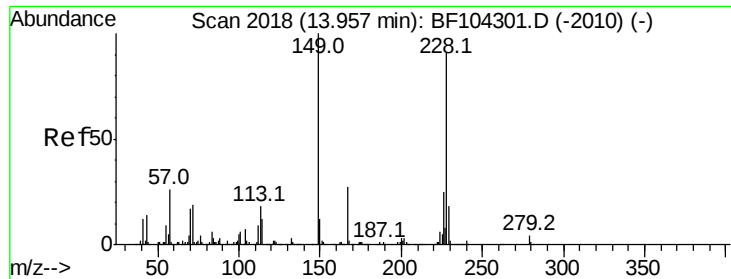
91 78.8 56.8 85.2

206 19.7 14.1 21.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 443.871 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.05 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

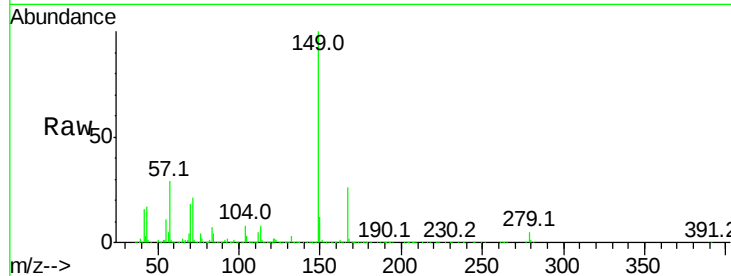
Tot Ion:149 Resp: 4235838

Ion Ratio Lower Upper

149 100

167 26.2 21.3 31.9

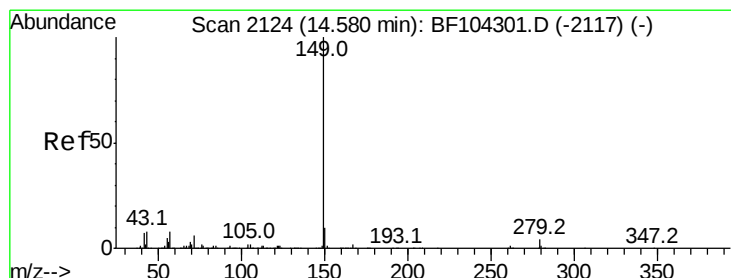
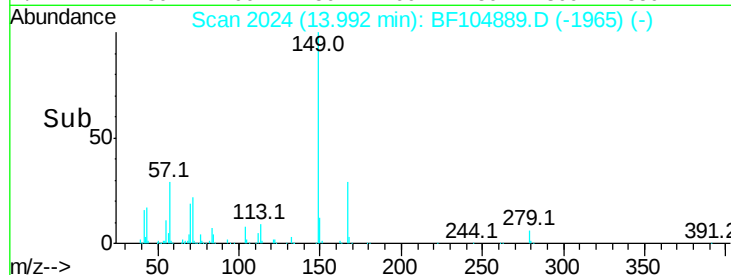
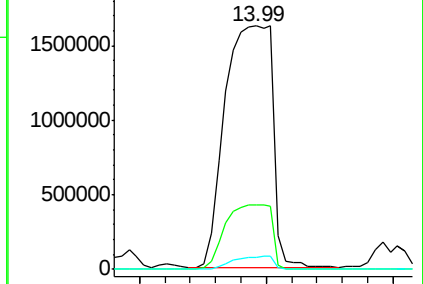
279 4.9 3.0 4.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 10.757 ng

RT: 14.63 min Scan# 2133

Delta R.T. 0.06 min

Lab File: BF104889.D

Acq: 27 Apr 2018 18:51

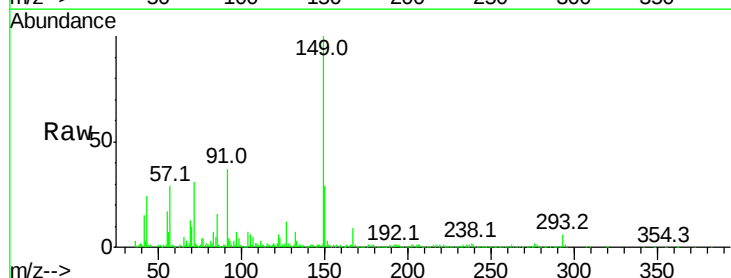
Tgt Ion:149 Resp: 171528

Ion Ratio Lower Upper

149 100

167 14.9 1.2 1.8#

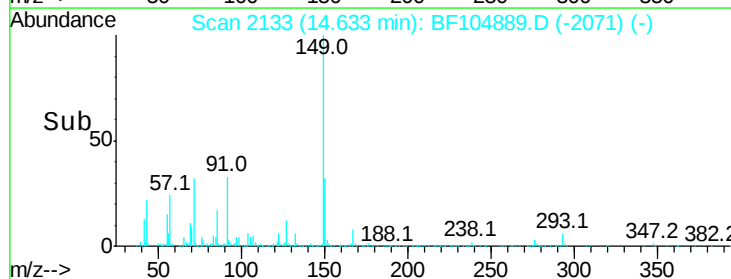
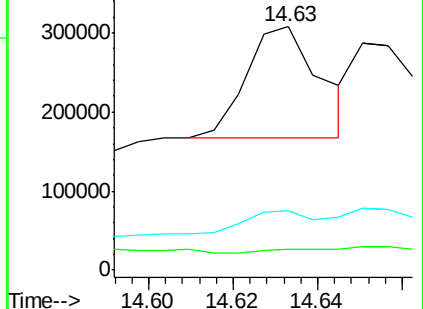
43 18.2 8.4 12.6#

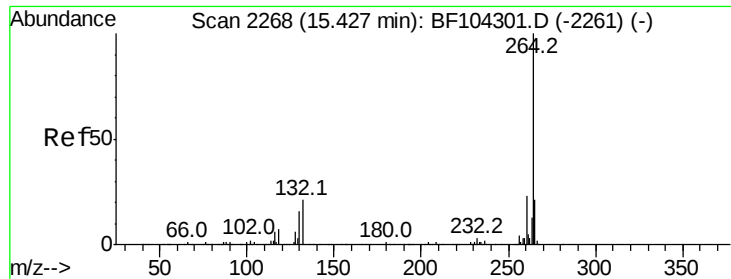


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

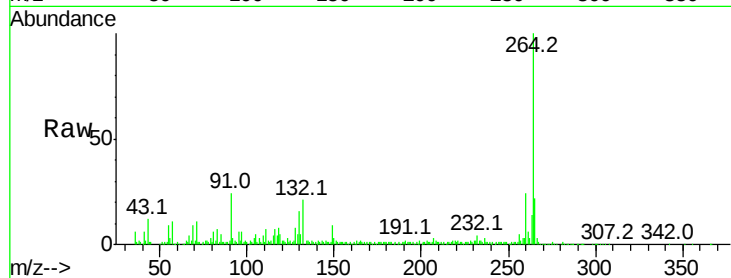
Ion 43.00 (42.70 to 43.70): BF1





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.02 min
Lab File: BF104889.D
Acq: 27 Apr 2018 18:51

Tot Ion:	264	Resp:	161001
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	17.5	26.3



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

