

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104890.D
 Acq On : 27 Apr 2018 19:18
 Operator : JU/SJ
 Sample : J2522-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 27 22:49:14 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	84029	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	340470	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	151488	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	227458	20.00	ng	0.00
75) Chrysene-d12	13.99	240	178607	20.00	ng	0.00
86) Perylene-d12	15.51	264	129495	20.00	ng	0.06

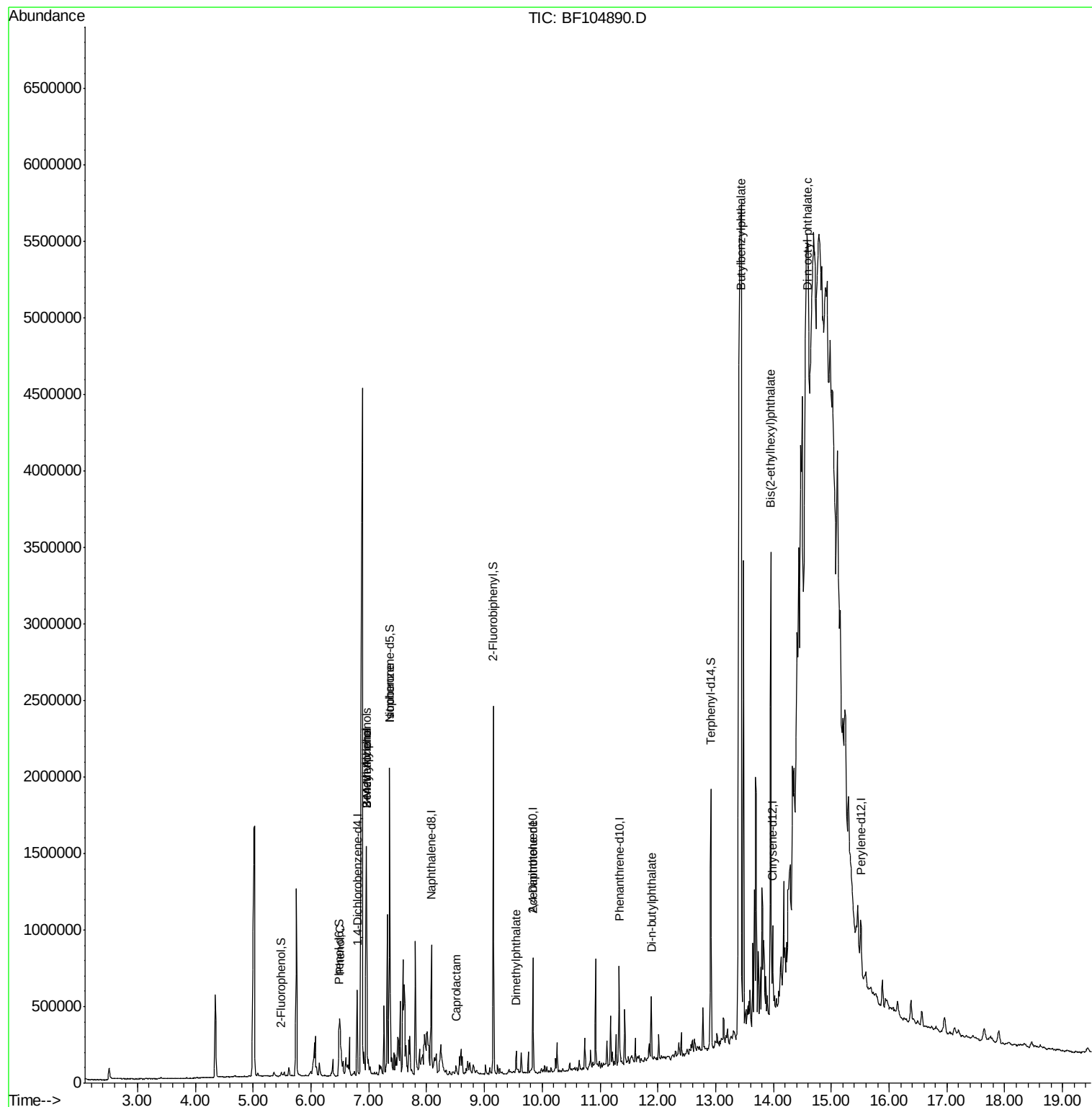
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	14782	2.69	ng	0.08
7) Phenol-d6	6.48	99	191716	28.39	ng	0.04
23) Nitrobenzene-d5	7.36	82	329485	63.19	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	269	0.17	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	686560	71.60	ng	0.00
78) Terphenyl-d14	12.92	244	529023	67.53	ng	0.00

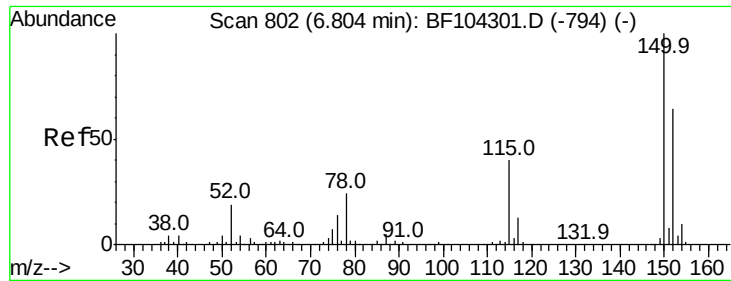
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	169888	23.713	ng	97
15) Benzyl Alcohol	6.96	79	133435	26.019	ng	99
17) 2-Methylphenol	6.96	107	72812	14.441	ng	# 20
20) 3+4-Methylphenols	6.96	107	72812	11.644	ng	# 1
25) Isophorone	7.36	82	329485	29.883	ng	# 64
35) Caprolactam	8.50	113	4014	2.478	ng	# 1
49) Dimethylphthalate	9.55	163	45886	3.841	ng	98
56) 2,4-Dinitrotoluene	9.84	165	20285	6.996	ng	# 25
73) Di-n-butylphthalate	11.89	149	223259	14.526	ng	98
76) Benzidine	12.65	184	692	Below Cal		# 1
79) Butylbenzylphthalate	13.44	149	4095123	656.578	ng	92
83) Bis(2-ethylhexyl)phthalate	13.95	149	1115883	139.095	ng	98
84) Di-n-octyl phthalate	14.58	149	2354957	175.680	ng	# 47

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

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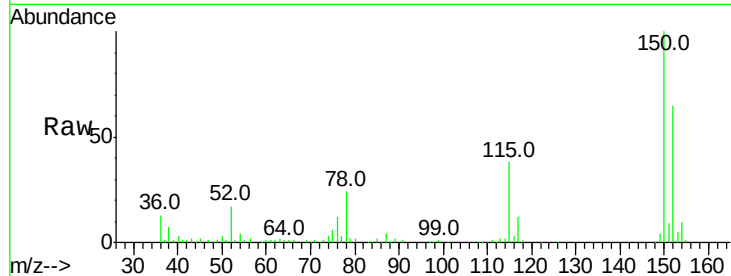




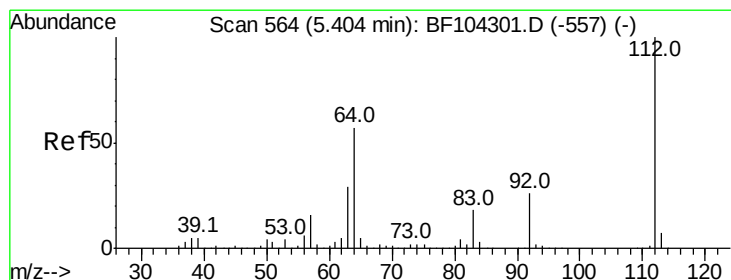
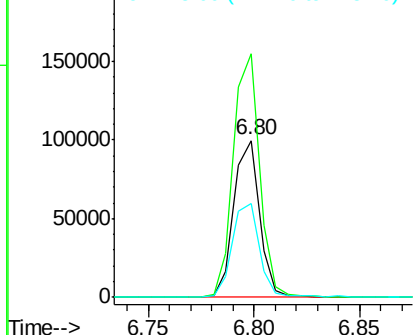
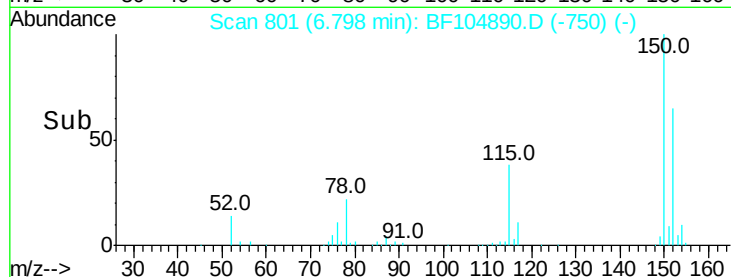
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104890.D
Acq: 27 Apr 2018 19:18

Tot Ion:152 Resp: 84029
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 59.5 50.1 75.1



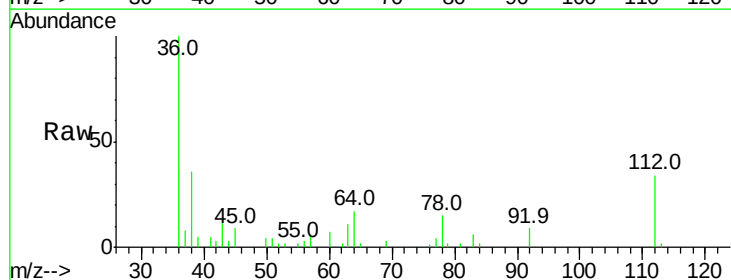
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



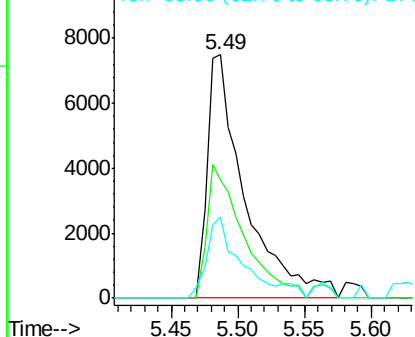
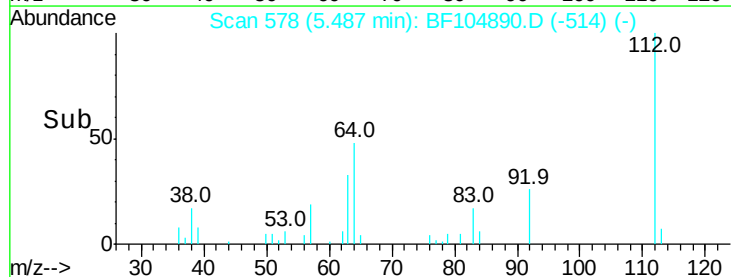
#5

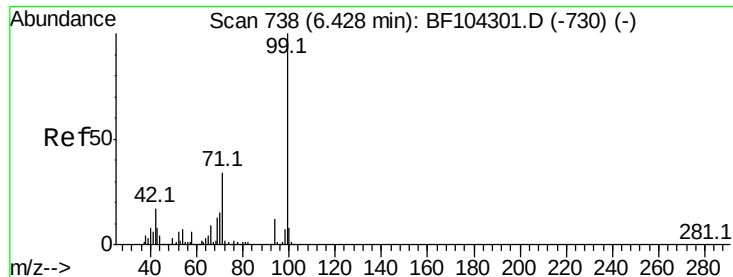
2-Fluorophenol
Concen: 2.690 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.08 min
Lab File: BF104890.D
Acq: 27 Apr 2018 19:18

Tgt Ion:112 Resp: 14782
Ion Ratio Lower Upper
112 100
64 48.5 47.9 71.9
63 33.2 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: 28.393 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.04 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

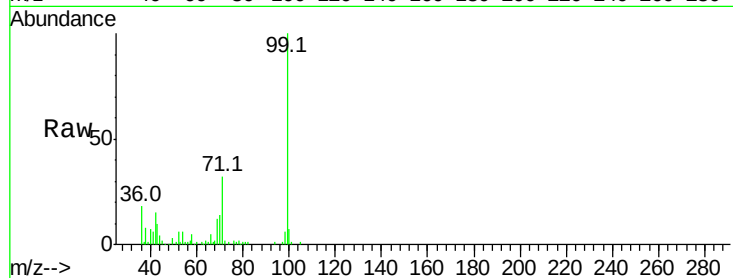
Tot Ion: 99 Resp: 191716

Ion Ratio Lower Upper

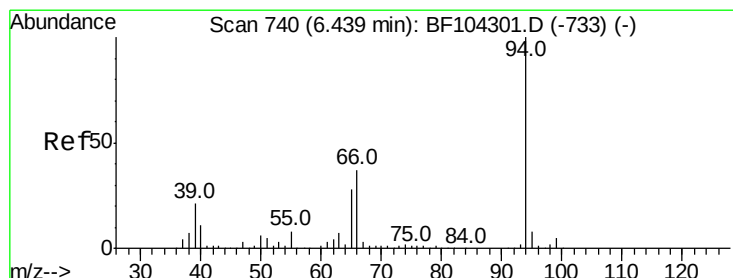
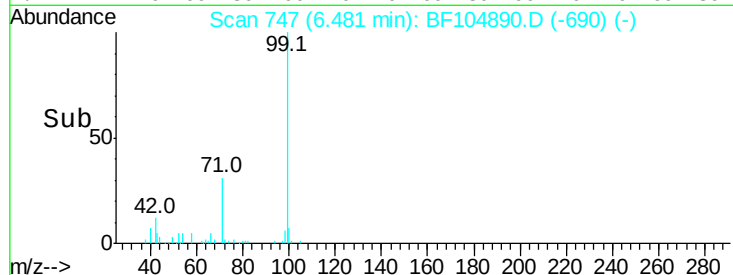
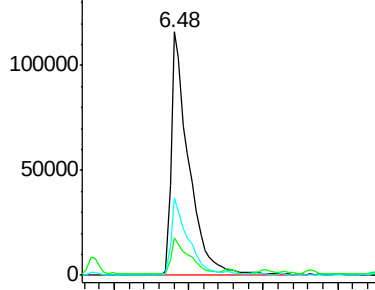
99 100

42 15.4 14.5 21.7

71 32.0 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: 23.713 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.04 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

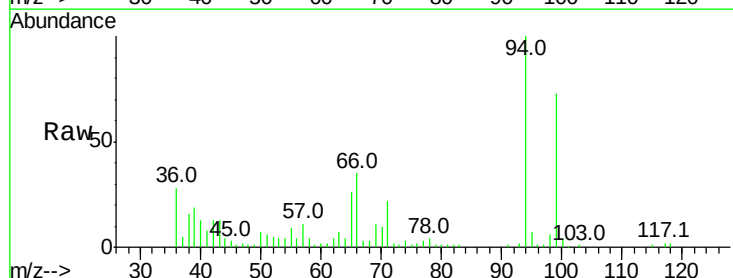
Tgt Ion: 94 Resp: 169888

Ion Ratio Lower Upper

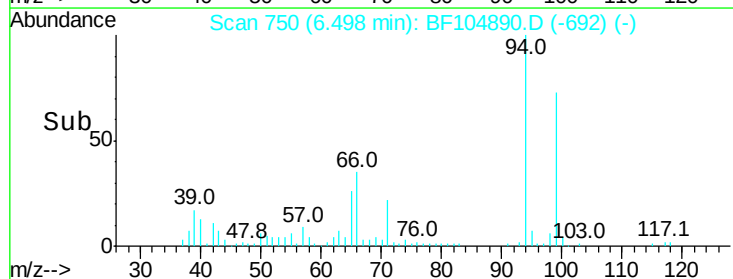
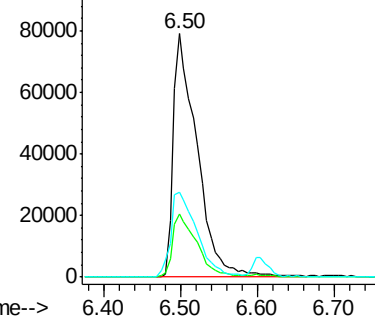
94 100

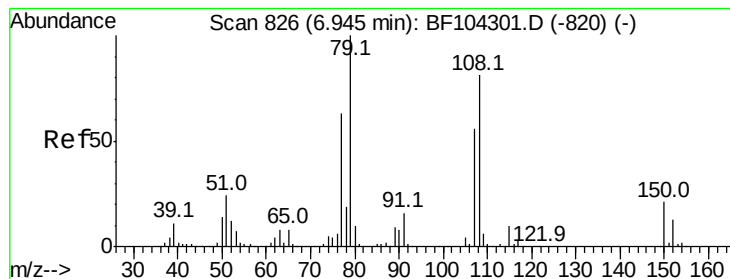
65 25.9 7.9 47.9

66 34.9 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





#15

Benzyl Alcohol

Concen: 26.019 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.02 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

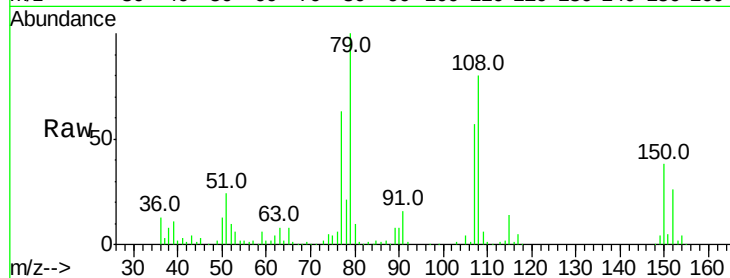
Tot Ion: 79 Resp: 133435

Ion Ratio Lower Upper

79 100

108 80.0 65.1 97.7

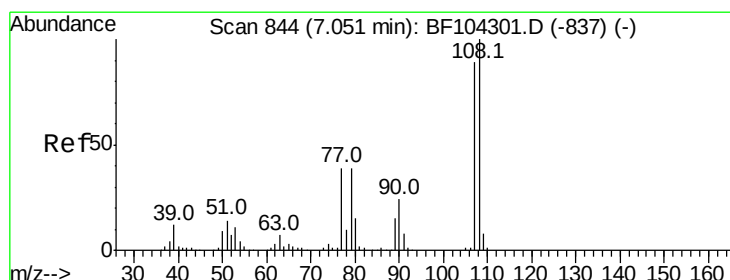
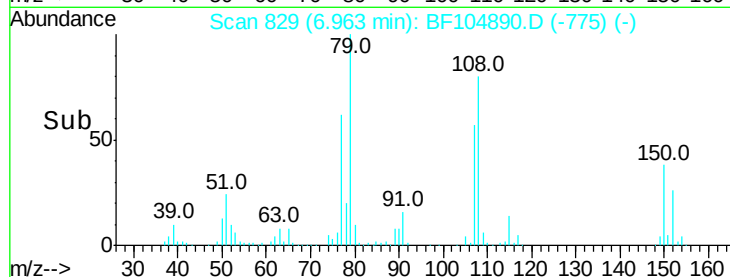
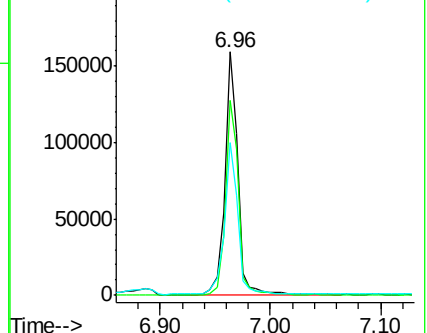
77 63.0 50.6 75.8



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: 14.441 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.10 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

Tgt Ion: 107 Resp: 72812

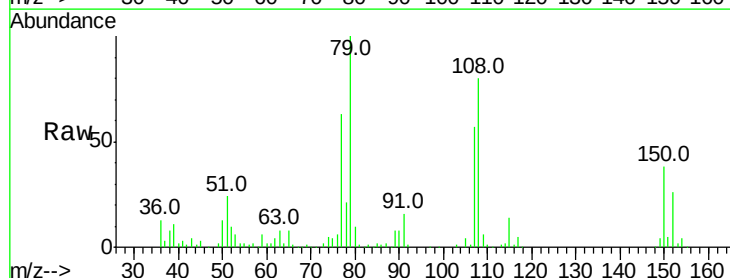
Ion Ratio Lower Upper

107 100

108 139.8 91.7 137.5#

77 110.0 33.8 50.8#

79 174.8 33.8 50.8#

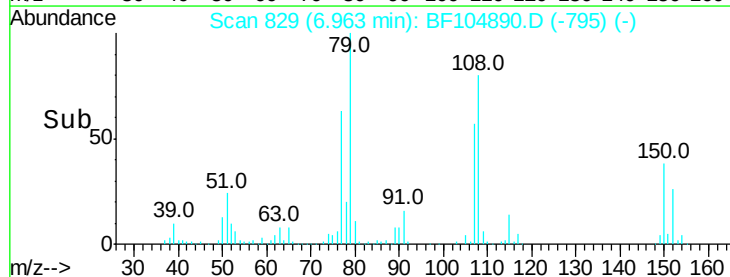
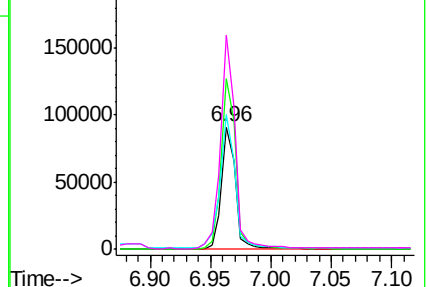


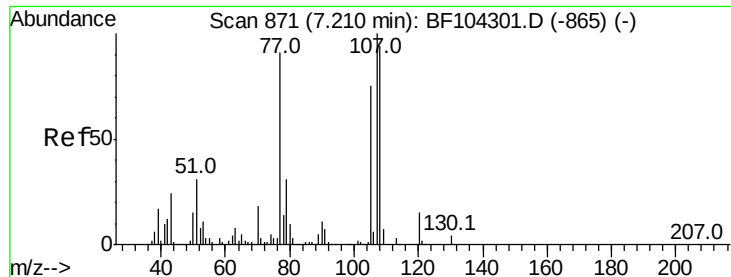
Abundance Ion 107.00 (106.70 to 107.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

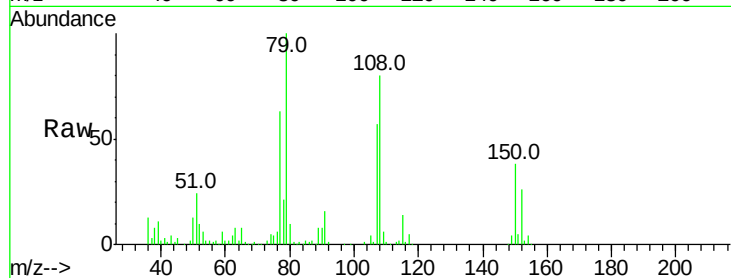
Ion 79.00 (78.70 to 79.70): BF1



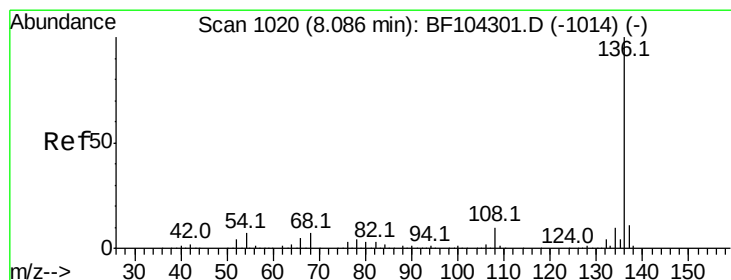
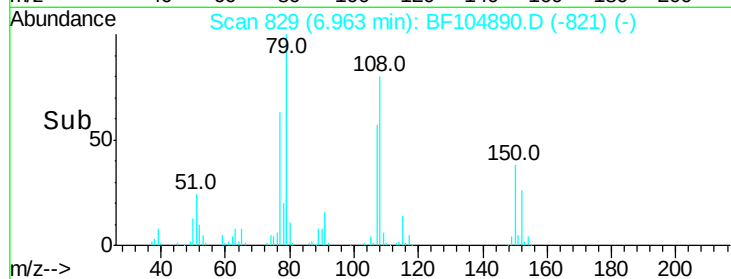
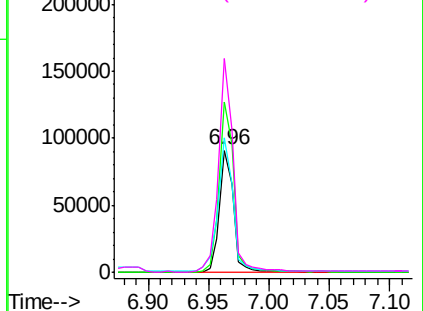


#20
3+4-Methylphenols
Concen: 11.644 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.25 min
Lab File: BF104890.D
Acq: 27 Apr 2018 19:18

Tot Ion:107 Resp: 72812
Ion Ratio Lower Upper
107 100
108 139.8 68.2 108.2#
77 110.0 26.7 66.7#
79 174.8 6.3 46.3#

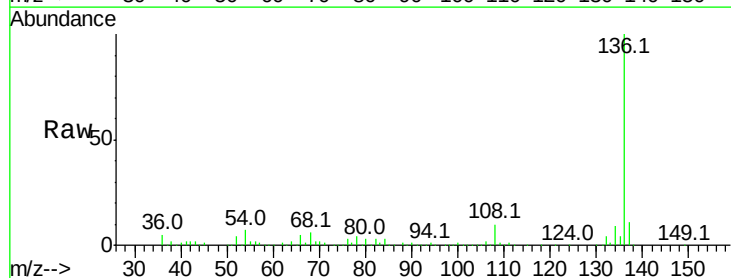


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

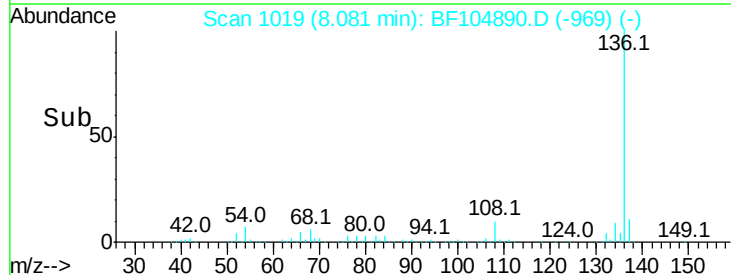
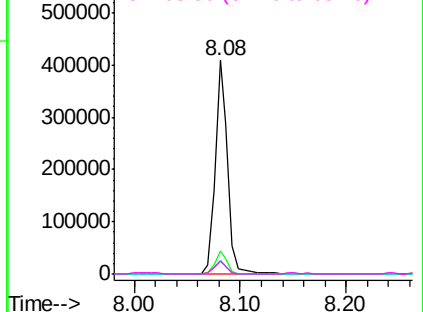


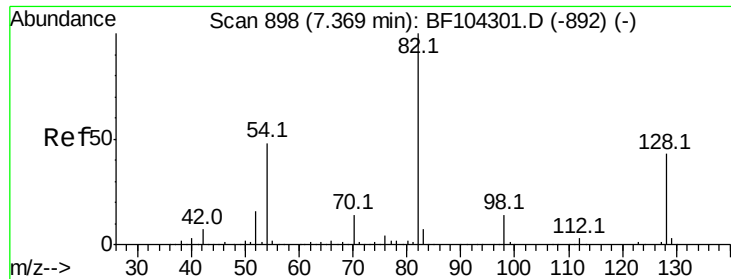
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104890.D
Acq: 27 Apr 2018 19:18

Tgt Ion:136 Resp: 340470
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.7 6.6 9.8
68 5.9 5.0 7.4



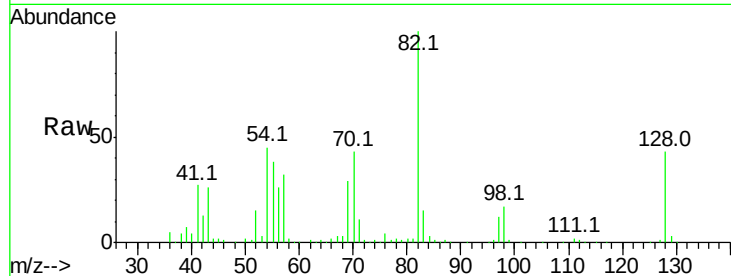
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



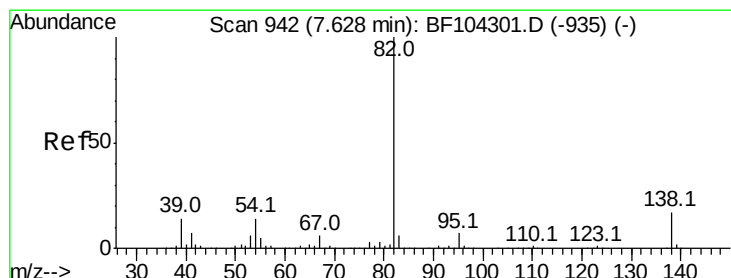
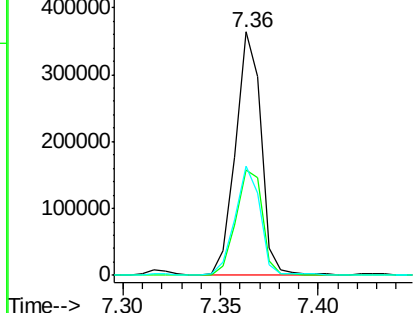
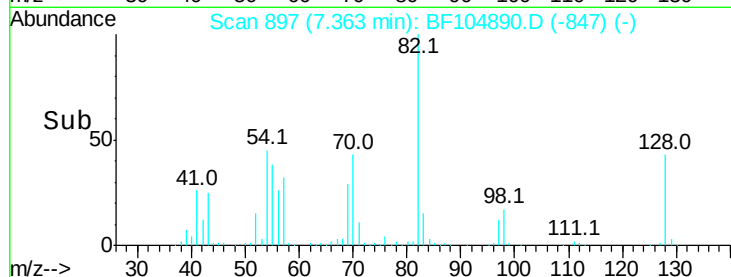


#23
 Nitrobenzene-d5
 Concen: 63.191 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104890.D
 Acq: 27 Apr 2018 19:18

Tot Ion	82	Resp	329485
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	45.0	41.4	62.2

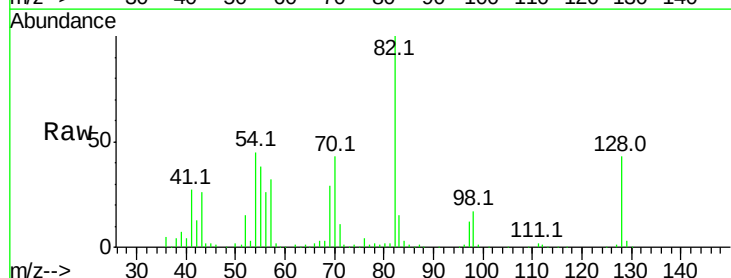


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

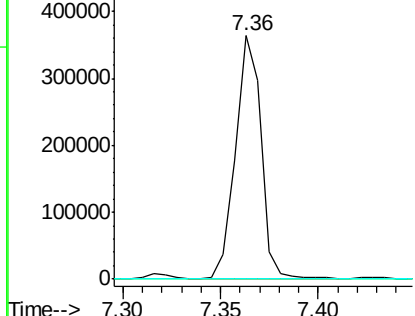
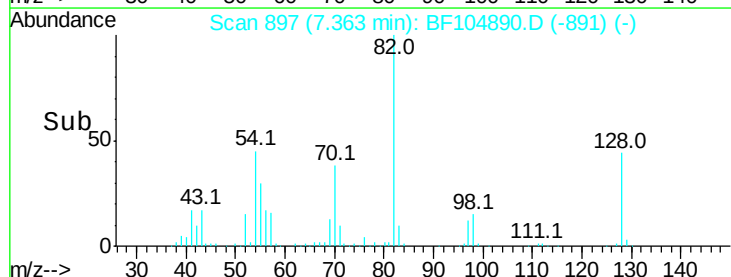


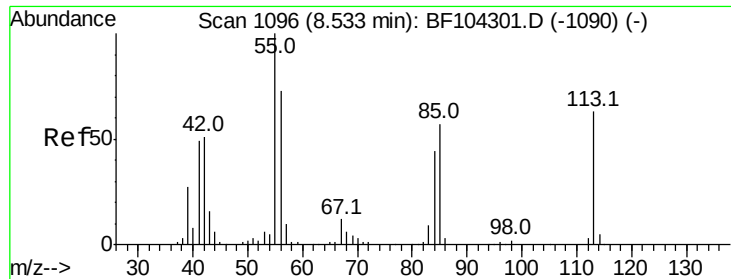
#25
 Isophorone
 Concen: 29.883 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.26 min
 Lab File: BF104890.D
 Acq: 27 Apr 2018 19:18

Tgt Ion	82	Resp	329485
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.2	14.9	22.3#
138	0.0		



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: 2.478 ng

RT: 8.50 min Scan# 1091

Delta R.T. -0.04 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

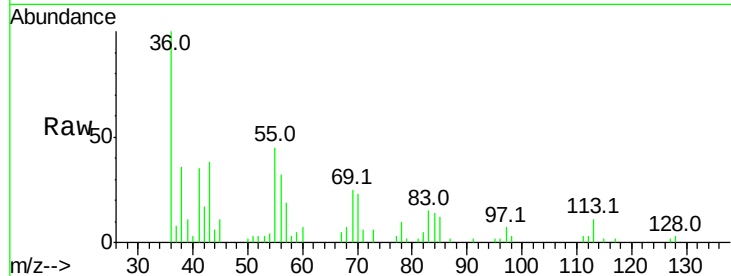
Tot Ion:113 Resp: 4014

Ion Ratio Lower Upper

113 100

55 396.9 163.3 203.3#

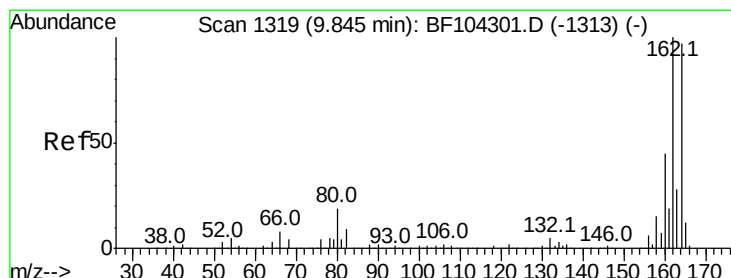
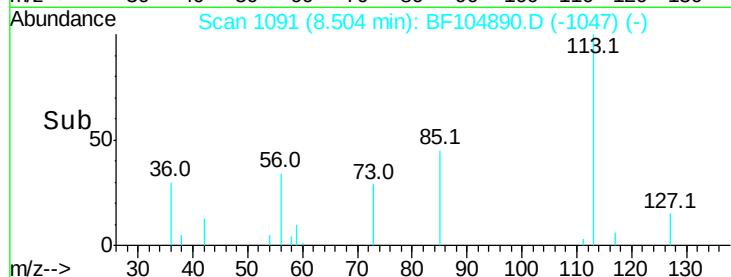
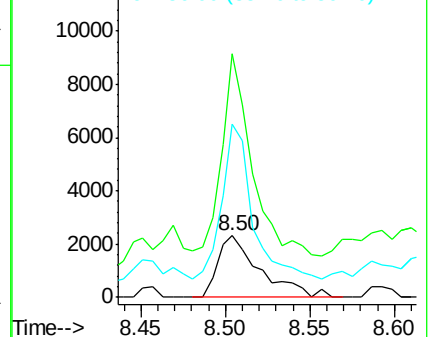
56 282.6 115.7 155.7#



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: BF104890.D

Acq: 27 Apr 2018 19:18

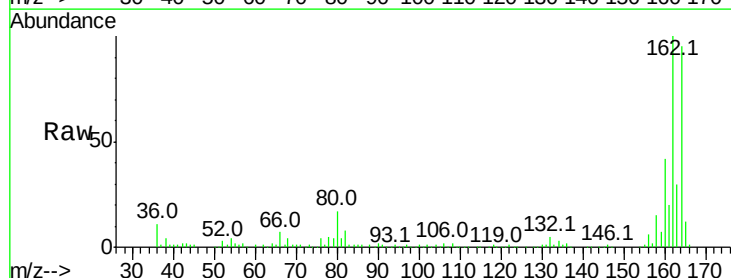
Tgt Ion:164 Resp: 151488

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

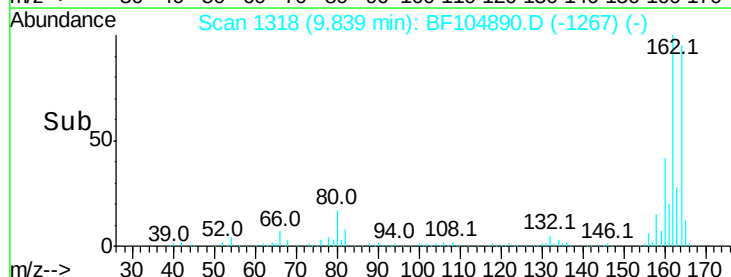
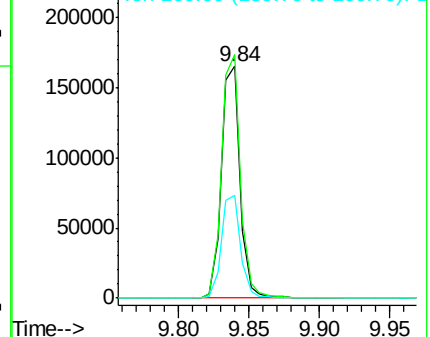
160 44.6 38.3 57.5

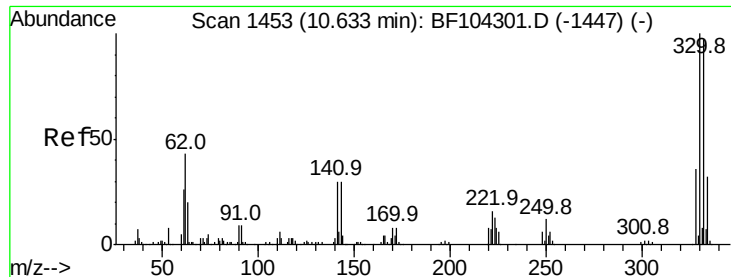


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

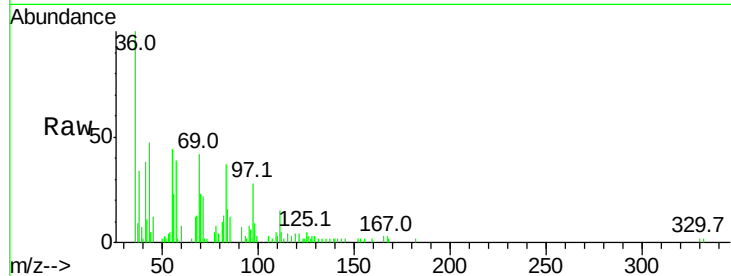
Ion 160.00 (159.70 to 160.70): E



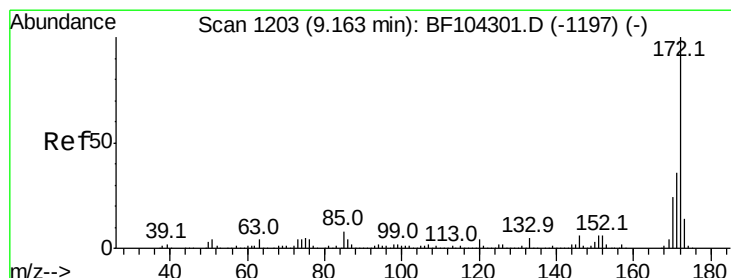
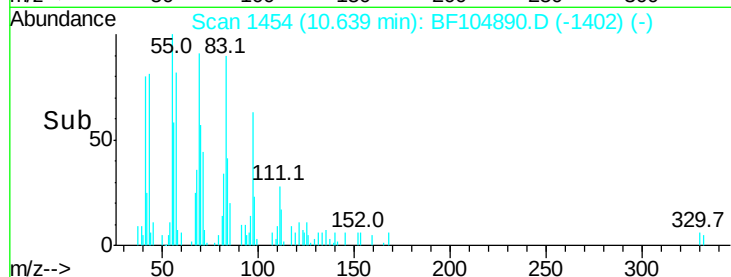
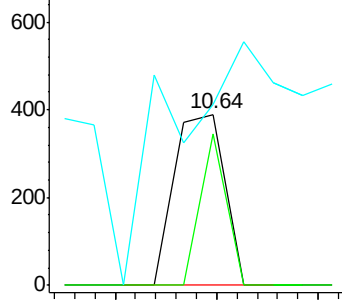


#41
 2,4,6-Tribromophenol
 Concen: 0.171 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF104890.D
 Acq: 27 Apr 2018 19:18

Tot Ion	Ratio	Lower	Upper
330	100		
332	45.0	77.0	115.6#
141	546.1	29.9	44.9#

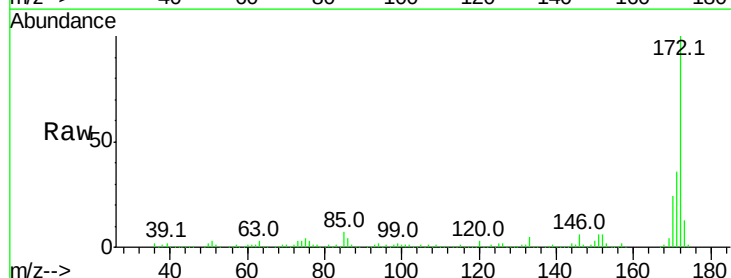


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

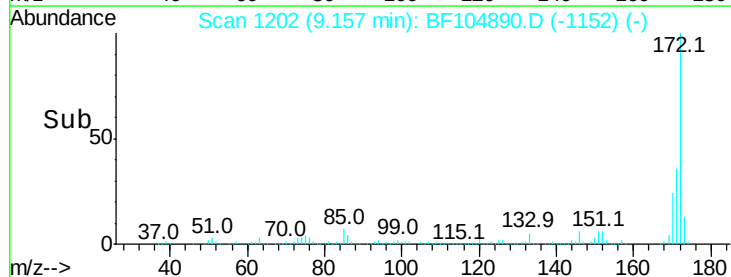
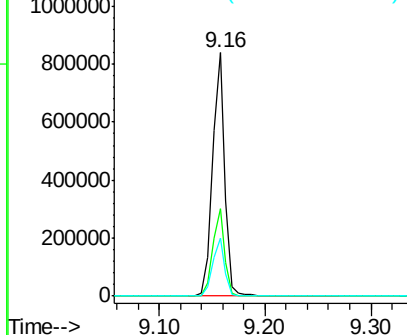


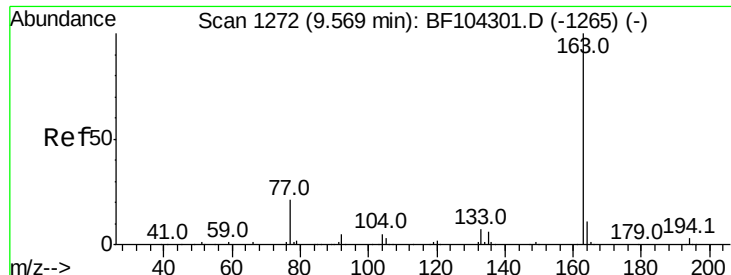
#44
 2-Fluorobiphenyl
 Concen: 71.596 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104890.D
 Acq: 27 Apr 2018 19:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	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: 3.841 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

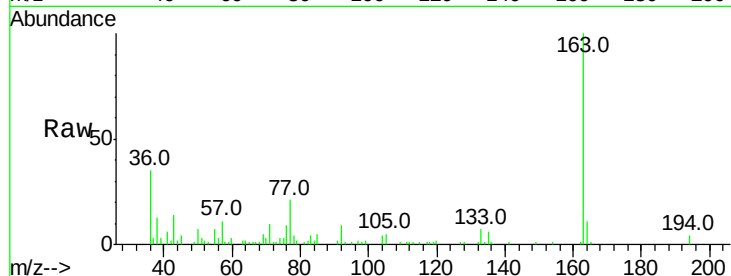
Tot Ion:163 Resp: 45886

Ion Ratio Lower Upper

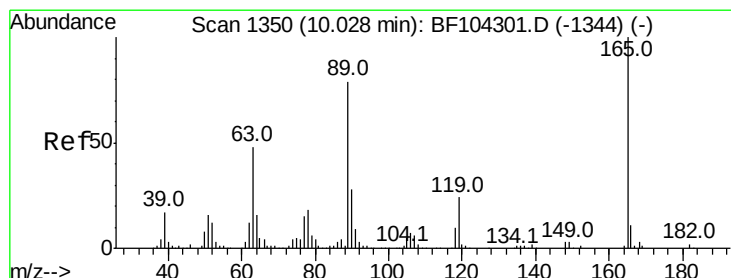
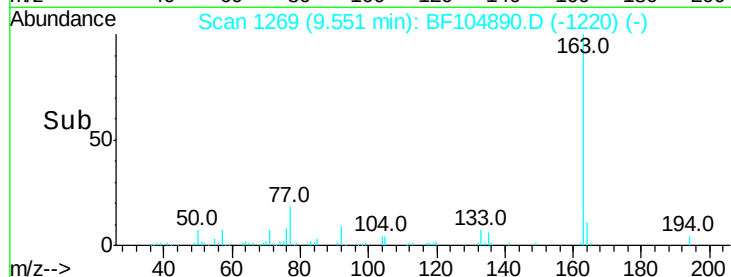
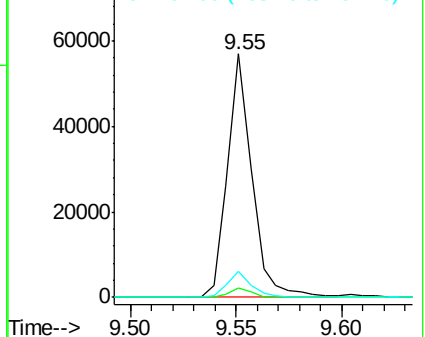
163 100

194 4.0 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: 6.996 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

Tgt Ion:165 Resp: 20285

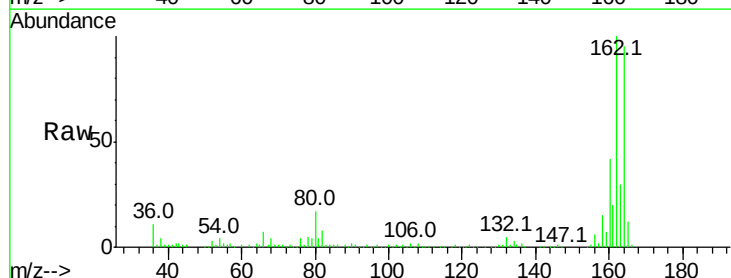
Ion Ratio Lower Upper

165 100

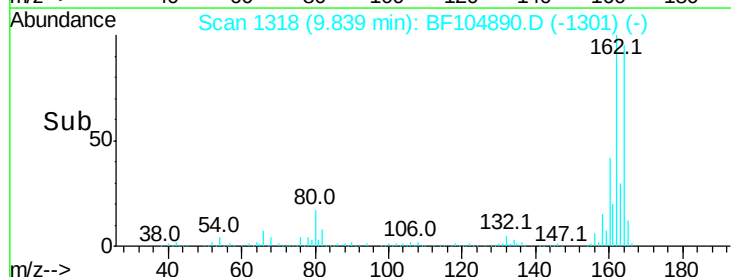
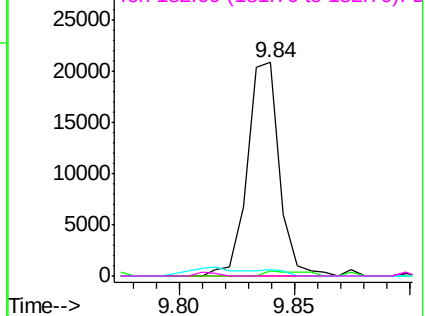
63 2.2 36.4 54.6#

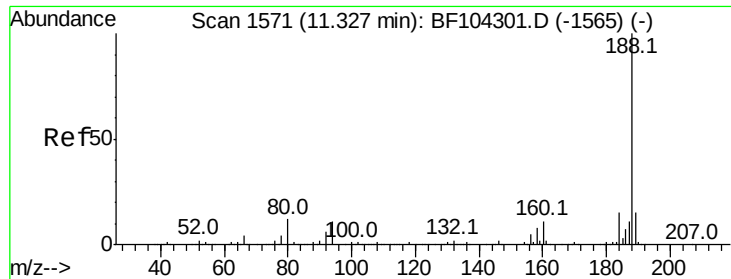
89 3.1 57.8 86.6#

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: BF104890.D

Acq: 27 Apr 2018 19:18

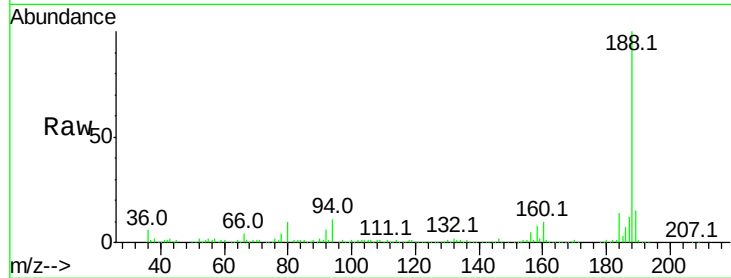
Tot Ion:188 Resp: 227458

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

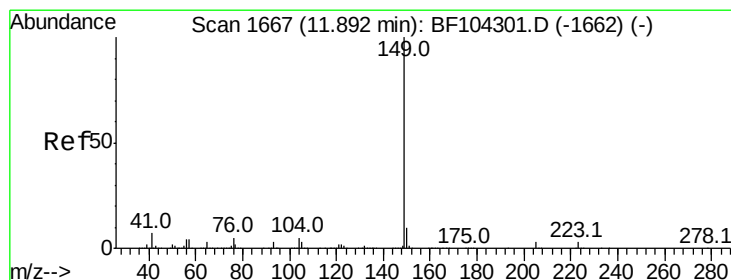
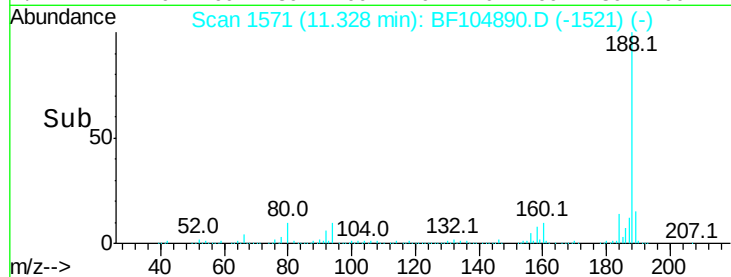
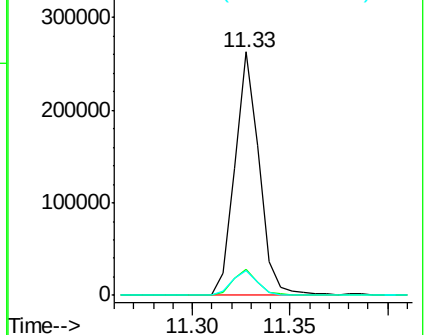
80 10.3 9.2 13.8



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



#73

Di-n-butylphthalate

Concen: 14.526 ng

RT: 11.89 min Scan# 1666

Delta R.T. 0.00 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

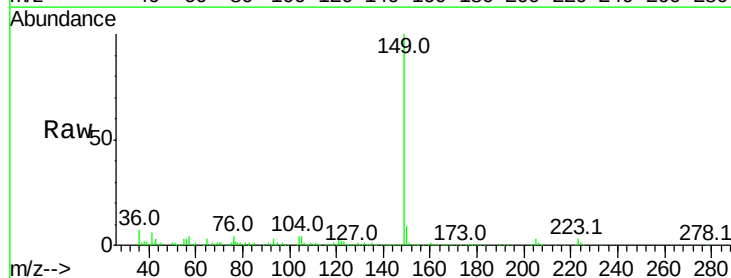
Tgt Ion:149 Resp: 223259

Ion Ratio Lower Upper

149 100

150 8.9 7.8 11.6

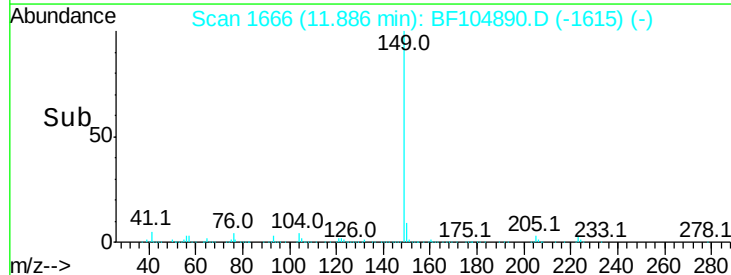
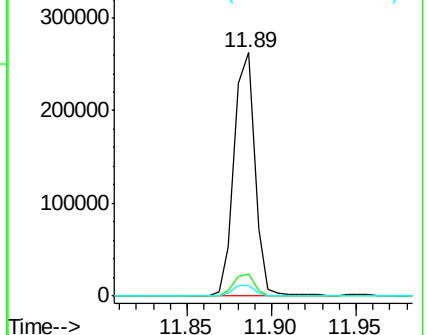
104 4.4 3.8 5.8

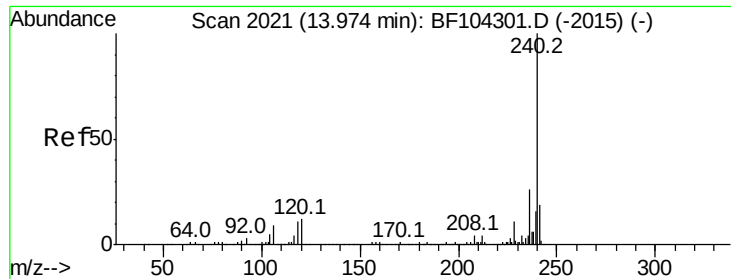


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

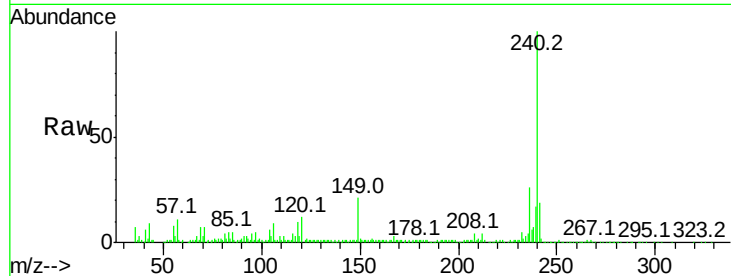
Delta R.T. 0.00 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

Tot Ion:240 Resp: 178607

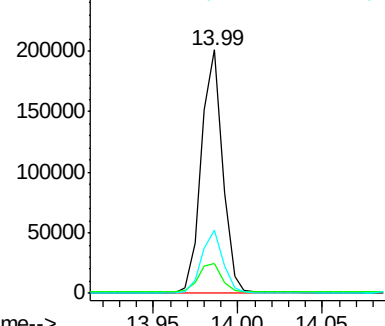
Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.5	14.3
236	25.7	20.7	31.1



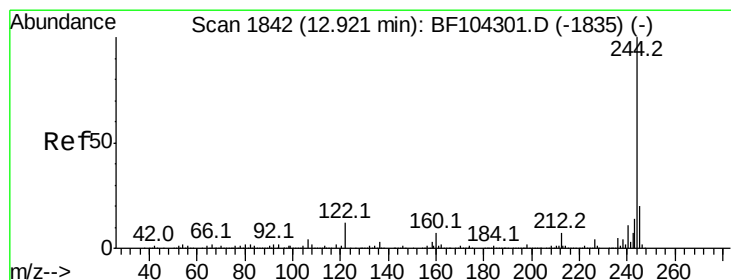
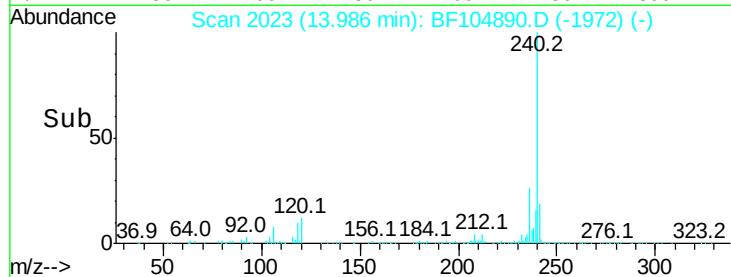
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 67.527 ng

RT: 12.92 min Scan# 1841

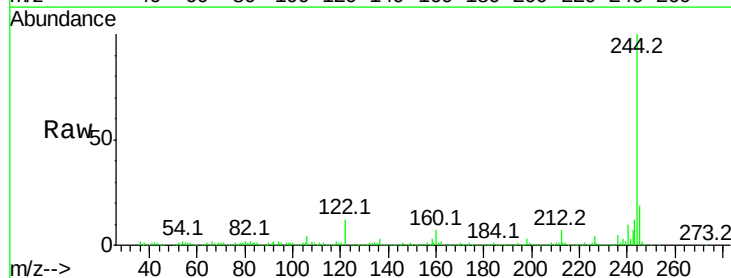
Delta R.T. -0.01 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

Tgt Ion:244 Resp: 529023

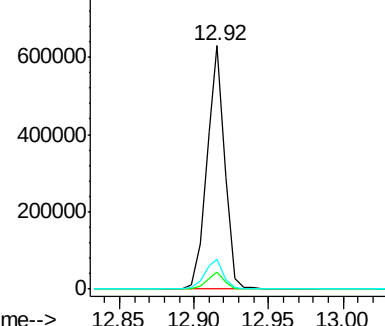
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.2	11.0	16.4



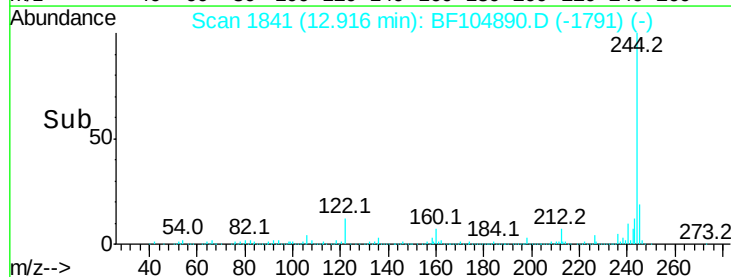
Abundance Ion 244.00 (243.70 to 244.70): E

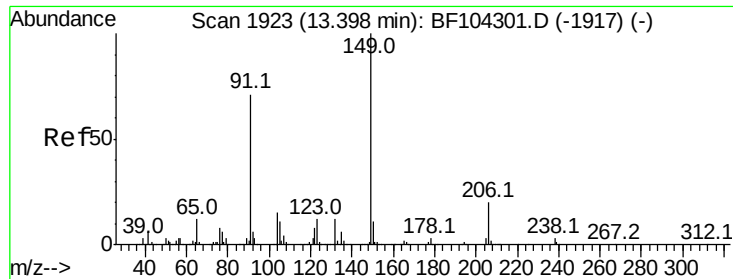
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#79

Butylbenzylphthalate

Concen: 656.578 ng

RT: 13.44 min Scan# 1930

Delta R.T. 0.05 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

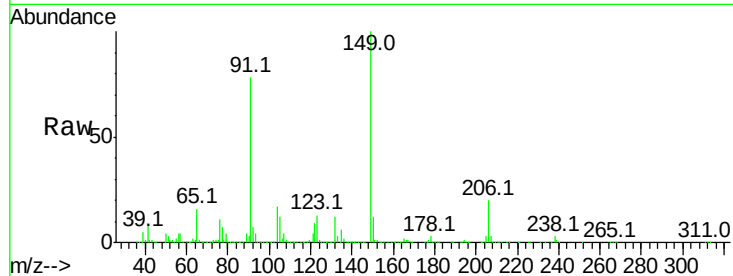
Tot Ion:149 Resp: 4095123

Ion	Ratio	Lower	Upper
149	100		
91	77.9	56.8	85.2
206	19.8	14.1	21.1

149 100

91 77.9 56.8 85.2

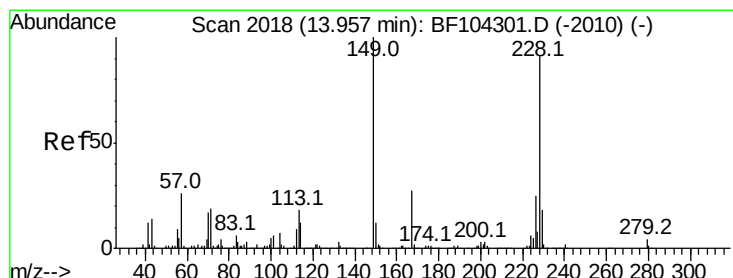
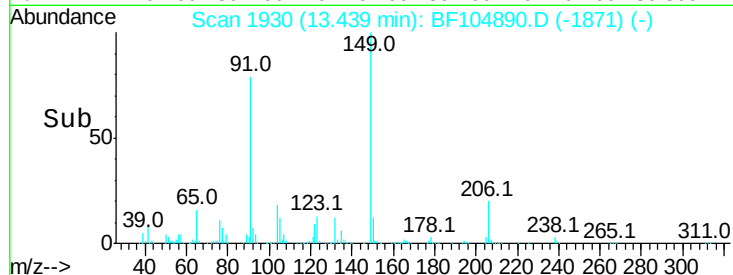
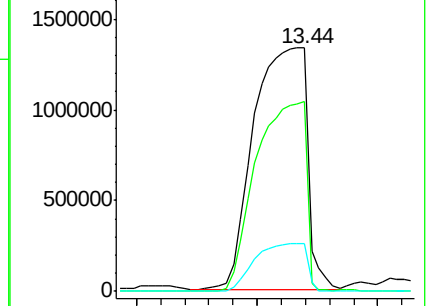
206 19.8 14.1 21.1



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: 139.095 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.01 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

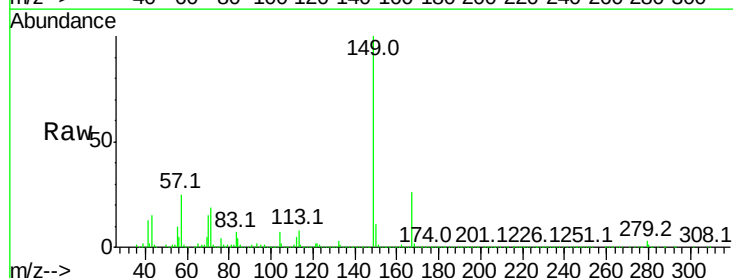
Tgt Ion:149 Resp: 1115883

Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.3	31.9
279	3.4	3.0	4.4

149 100

167 25.7 21.3 31.9

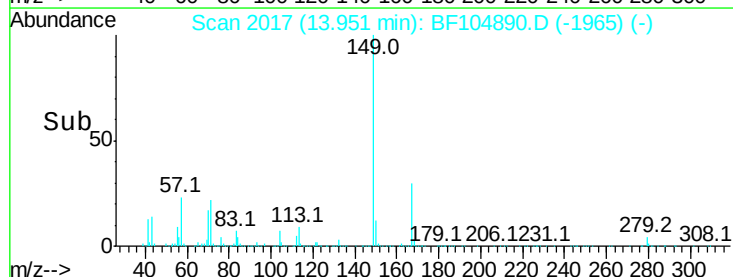
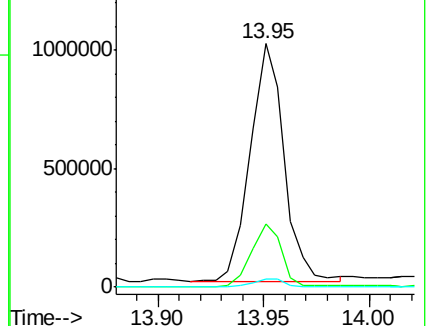
279 3.4 3.0 4.4

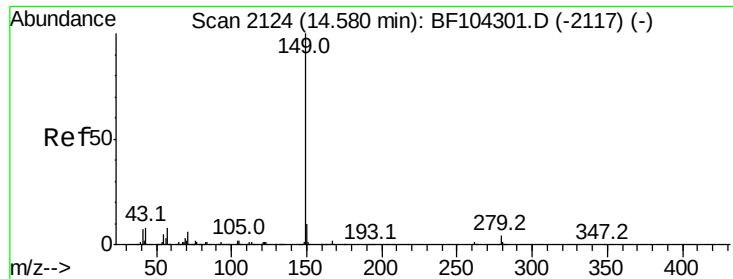


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 175.680 ng

RT: 14.58 min Scan# 2124

Delta R.T. 0.01 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

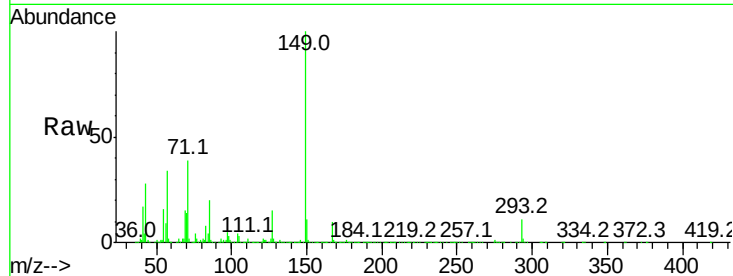
Tot Ion:149 Resp: 2354957

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

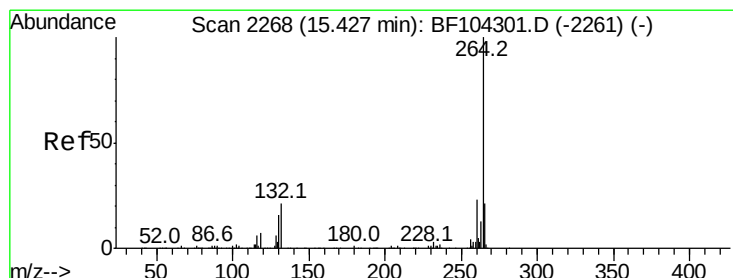
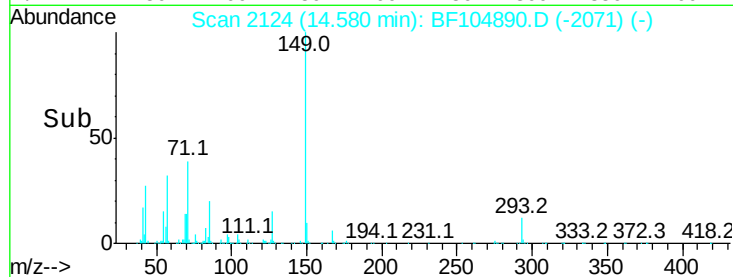
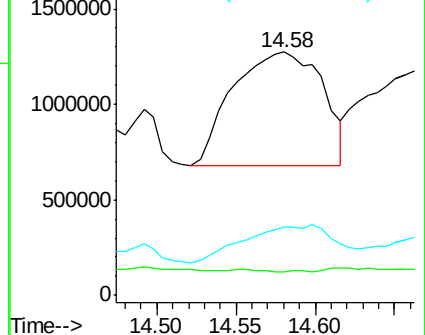
43 33.0 8.4 12.6#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.06 min

Lab File: BF104890.D

Acq: 27 Apr 2018 19:18

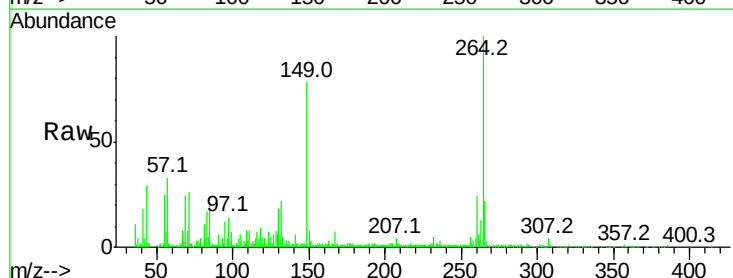
Tgt Ion:264 Resp: 129495

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.2 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

