

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\
 Data File : BF104884.D
 Acq On : 27 Apr 2018 16:36
 Operator : JU/SJ
 Sample : J2544-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 27 17:17:23 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	109914	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	451436	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	206227	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	358384	20.00	ng	0.00
75) Chrysene-d12	13.97	240	210430	20.00	ng	-0.01
86) Perylene-d12	15.44	264	226240	20.00	ng	0.00

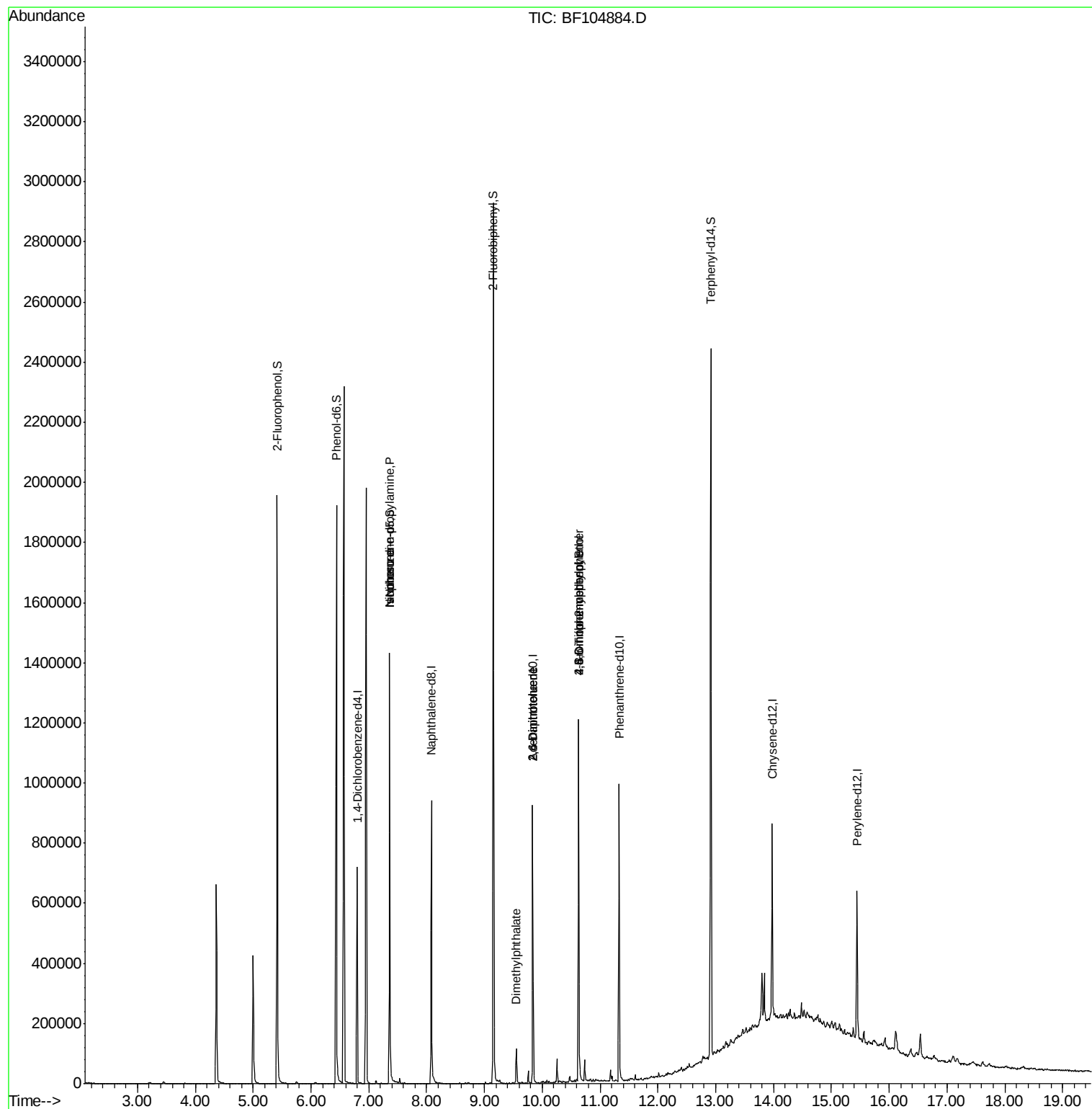
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	584484	81.31	ng	0.00
7) Phenol-d6	6.44	99	754581	85.44	ng	0.00
23) Nitrobenzene-d5	7.36	82	488270	70.63	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	167018	78.07	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	909144	69.64	ng	0.00
78) Terphenyl-d14	12.92	244	775948	84.07	ng	0.00

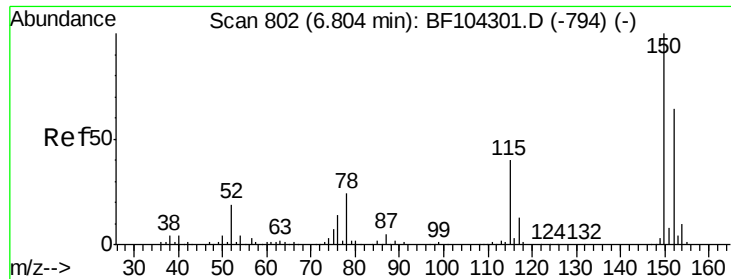
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	996	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	64226	11.128	ng	# 71
25) Isophorone	7.36	82	488263	33.398	ng	# 64
49) Dimethylphthalate	9.55	163	52991	3.258	ng	# 99
50) 2,6-Dinitrotoluene	9.83	165	25855	8.592	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	25855	6.550	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	277	7.481	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10377	2.722	ng	# 1
76) Benzidine	12.92	184	9989	Below Cal		98

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

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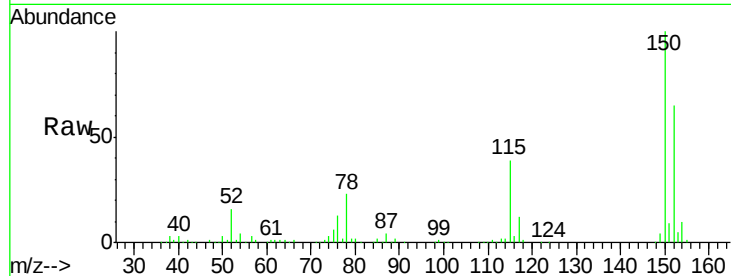




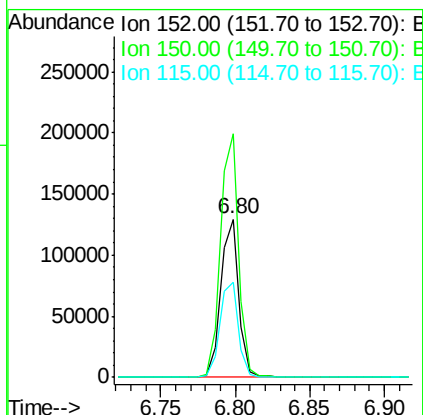
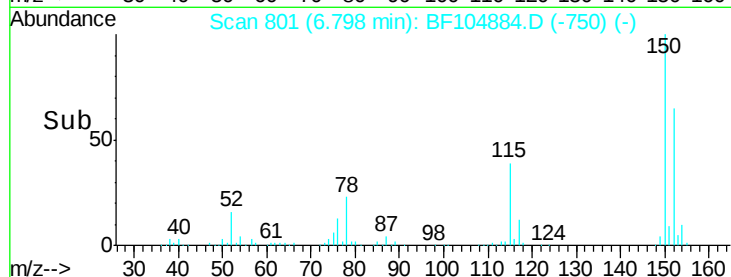
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104884.D
Acq: 27 Apr 2018 16:36

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	60.3	50.1	75.1



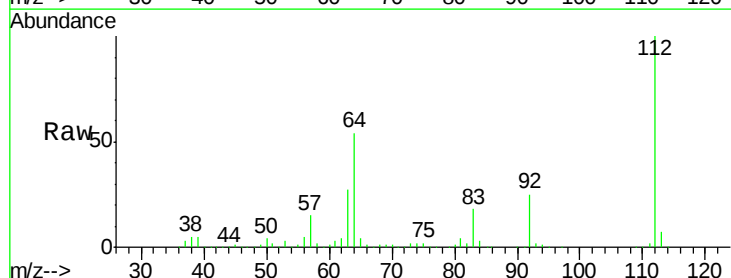
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



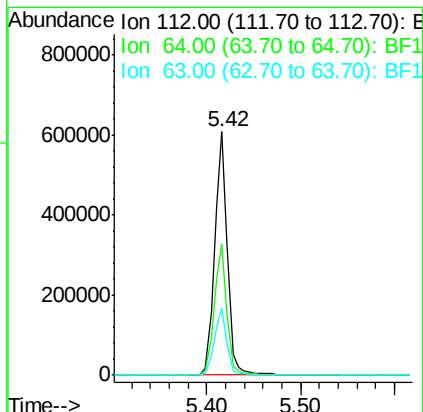
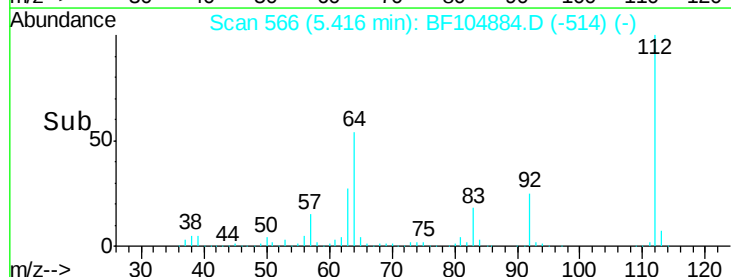
#5

2-Fluorophenol
Concen: 81.310 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF104884.D
Acq: 27 Apr 2018 16:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	27.5	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: 85.436 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

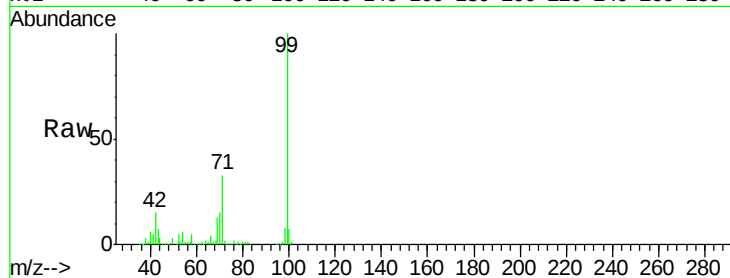
Tot Ion: 99 Resp: 754581

Ion	Ratio	Lower	Upper
99	100		
42	14.7	14.5	21.7
71	33.1	25.4	38.0

99 100

42 14.7 14.5 21.7

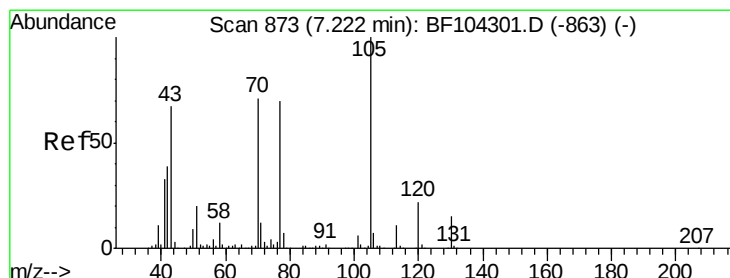
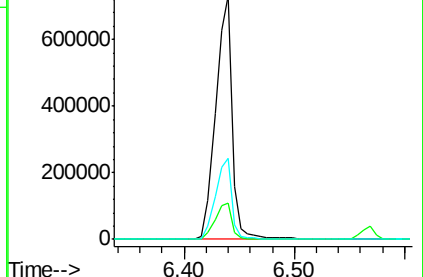
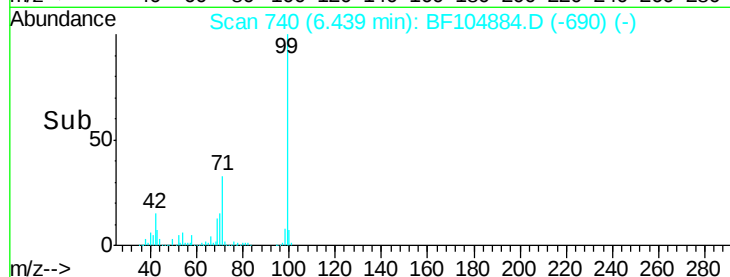
71 33.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.128 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

Tgt Ion: 70 Resp: 64226

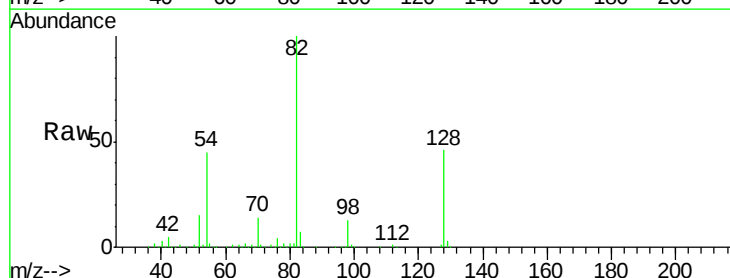
Ion	Ratio	Lower	Upper
70	100		
42	39.7	47.5	71.3#
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#

70 100

42 39.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

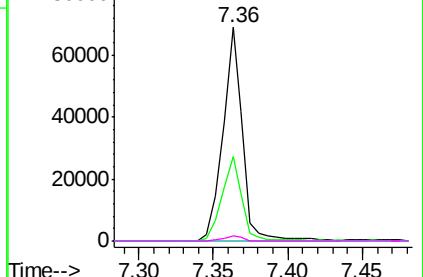
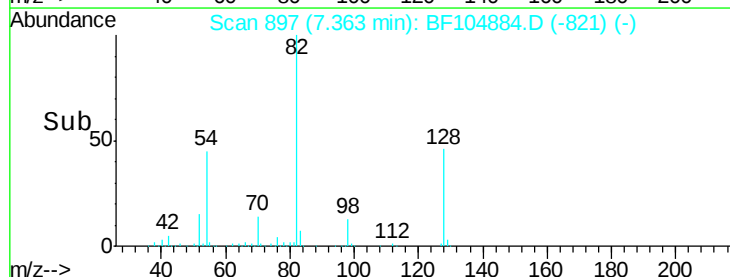


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

Tot Ion:136 Resp: 451436

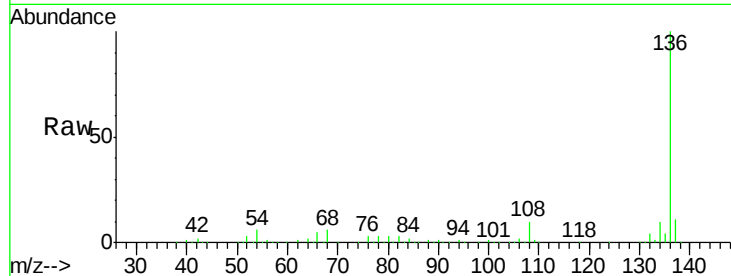
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 6.6 9.8#

68 5.8 5.0 7.4

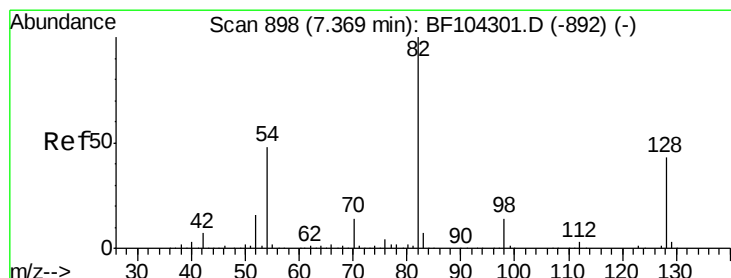
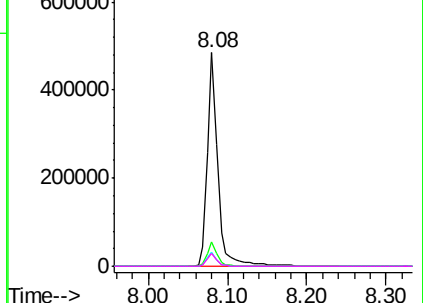
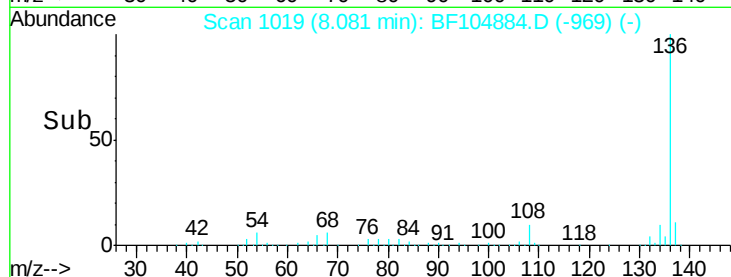


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 70.626 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

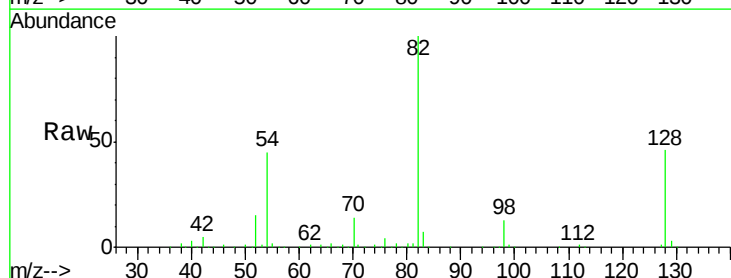
Tgt Ion: 82 Resp: 488270

Ion Ratio Lower Upper

82 100

128 46.0 36.1 54.1

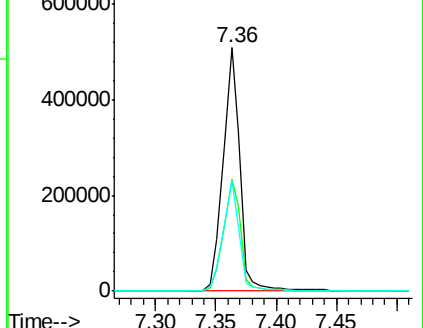
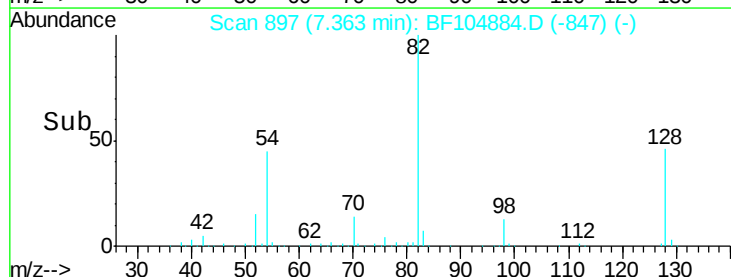
54 45.2 41.4 62.2

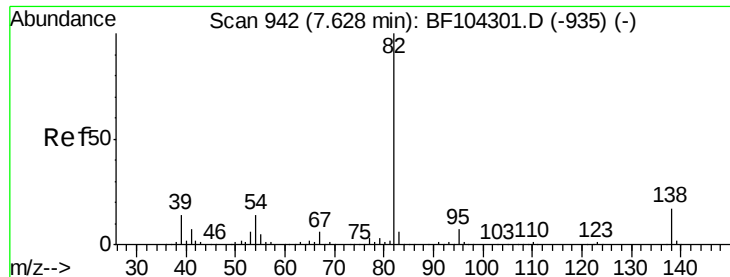


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.398 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

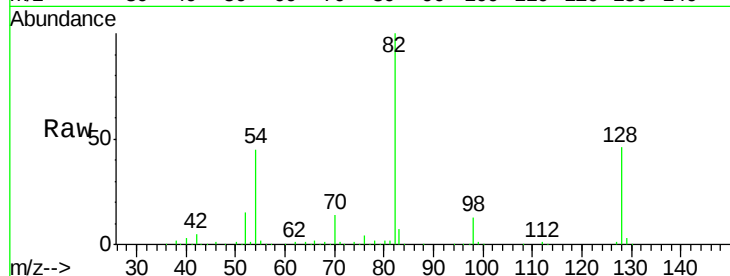
Tot Ion: 82 Resp: 488263

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

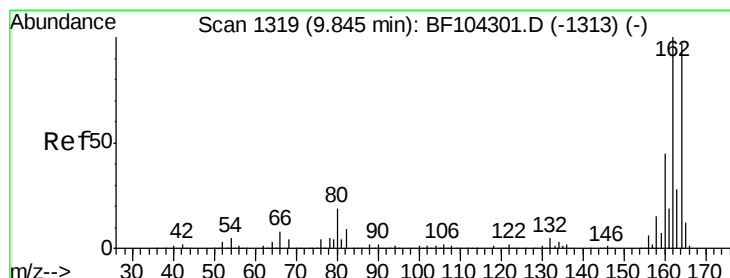
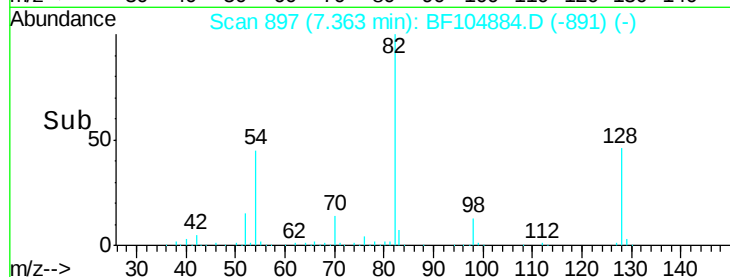
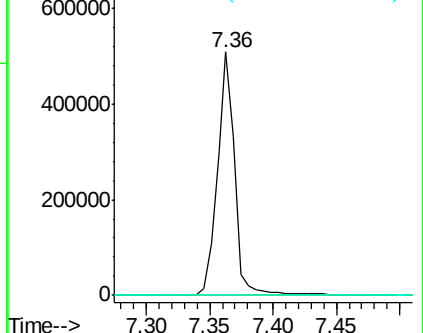
138 0.0 14.9 22.3#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

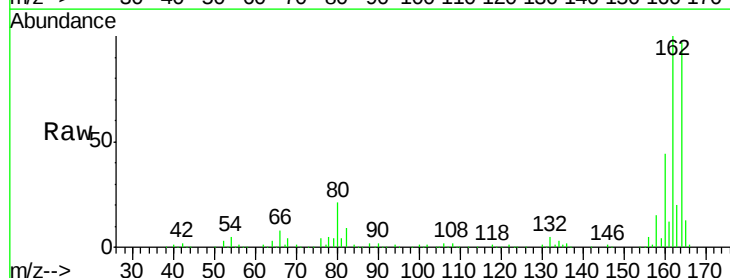
Tgt Ion: 164 Resp: 206227

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

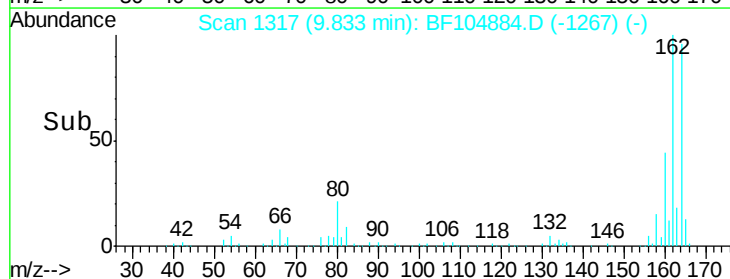
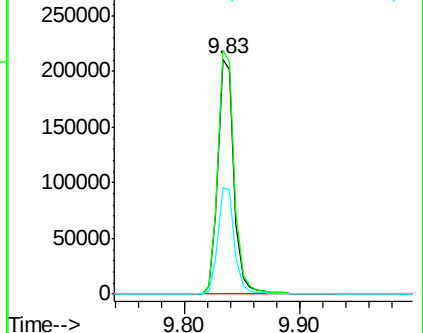
160 45.3 38.3 57.5

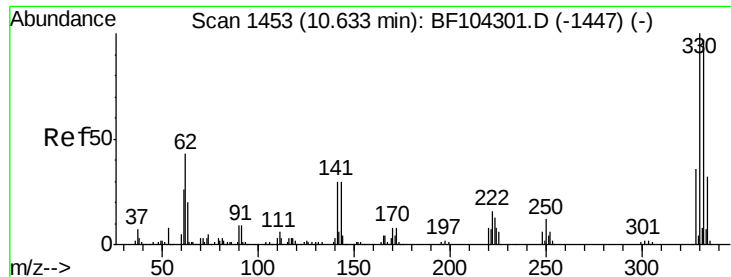


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

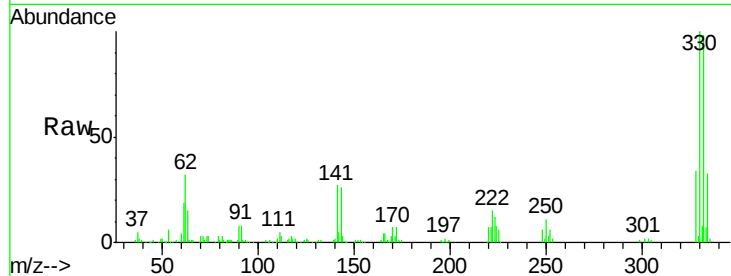
Ion 160.00 (159.70 to 160.70): E



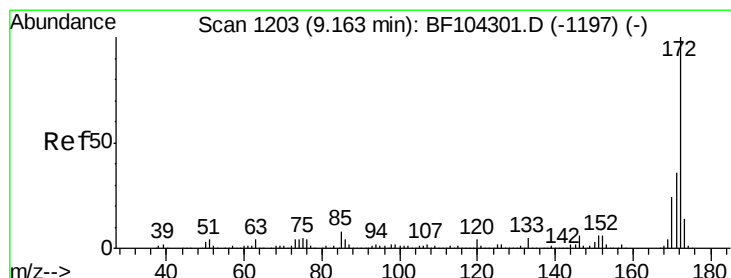
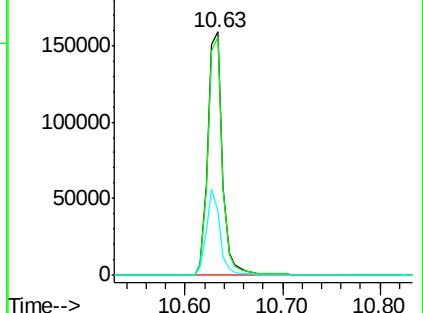
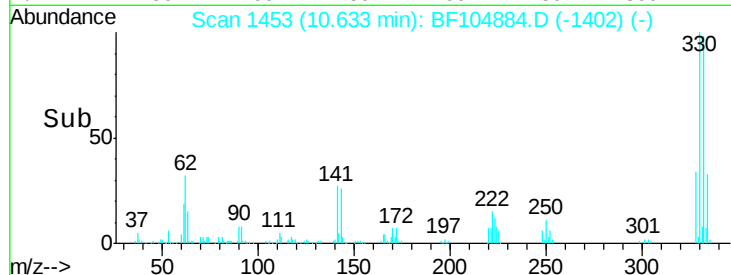


#41
 2,4,6-Tribromophenol
 Concen: 78.073 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.00 min
 Lab File: BF104884.D
 Acq: 27 Apr 2018 16:36

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	33.1	29.9	44.9

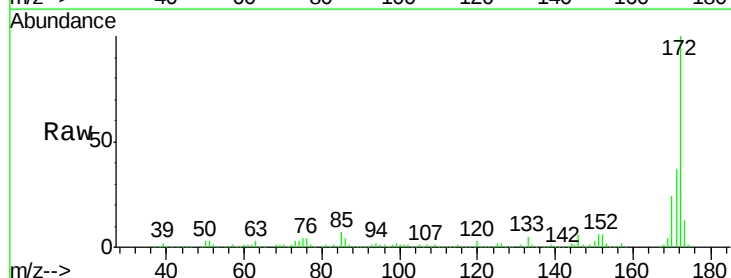


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

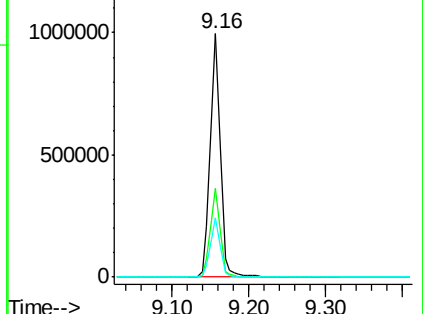
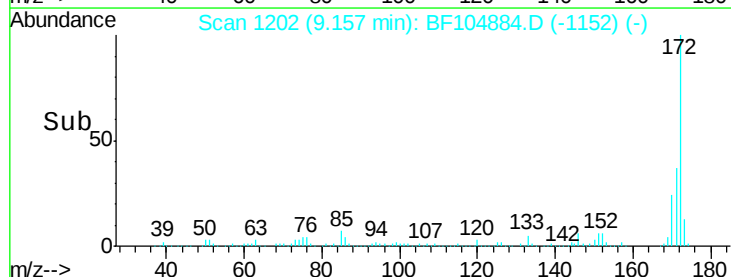


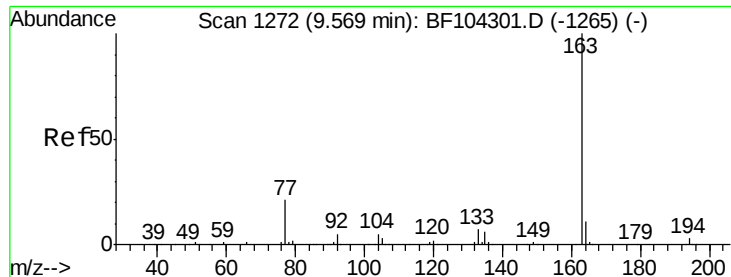
#44
 2-Fluorobiphenyl
 Concen: 69.643 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104884.D
 Acq: 27 Apr 2018 16:36

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.4	19.6	29.4



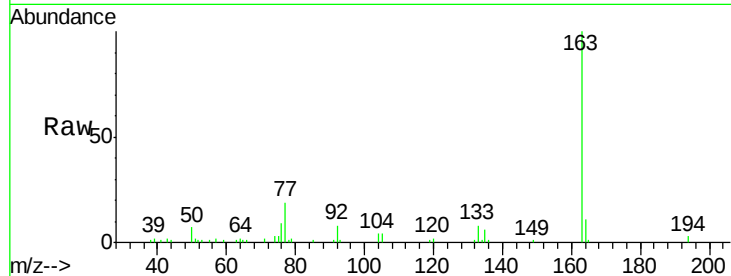
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



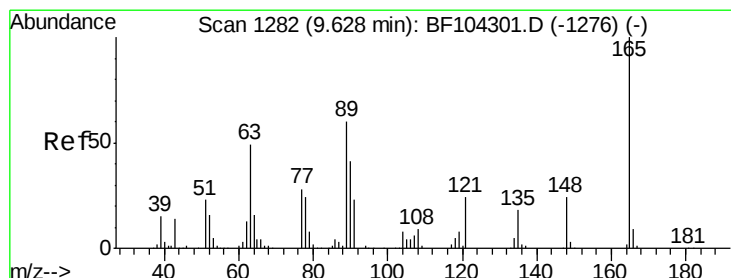
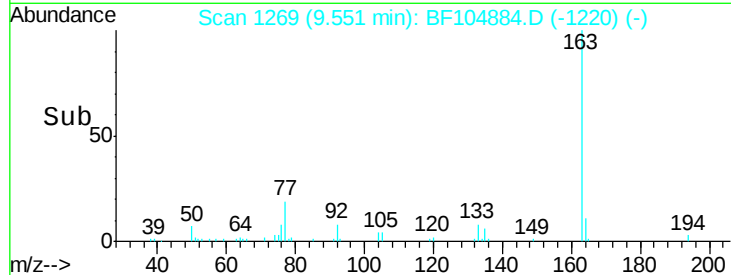
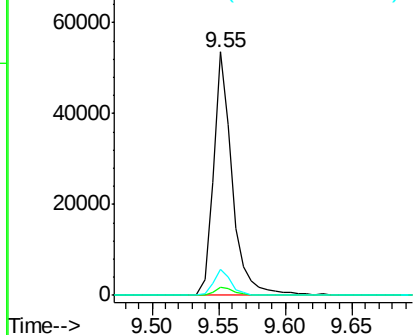


#49
Dimethylphthalate
Concen: 3.258 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF104884.D
Acq: 27 Apr 2018 16:36

Tot Ion:163 Resp: 52991
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.8 8.2 12.2

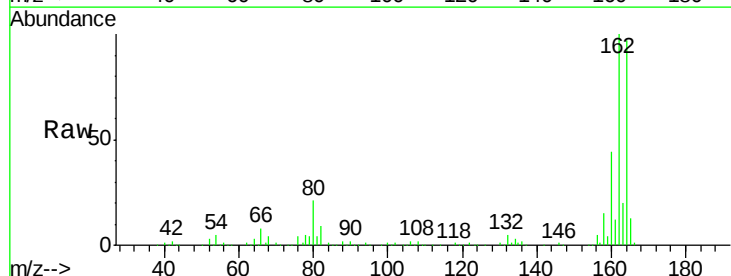


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

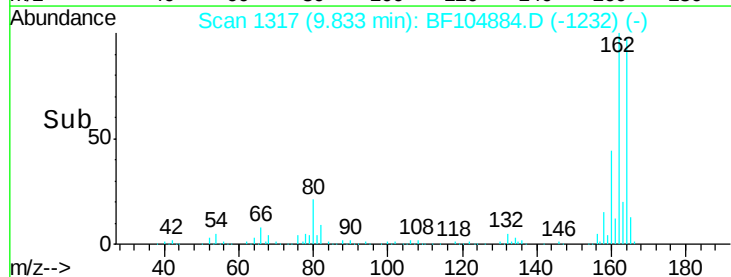
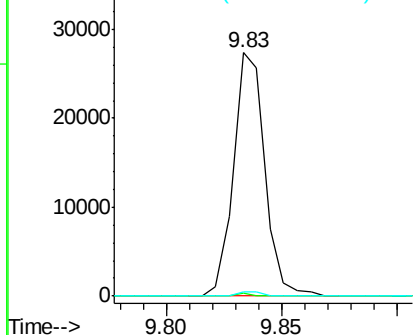


#50
2,6-Dinitrotoluene
Concen: 8.592 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF104884.D
Acq: 27 Apr 2018 16:36

Tgt Ion:165 Resp: 25855
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.6 44.0 66.0#



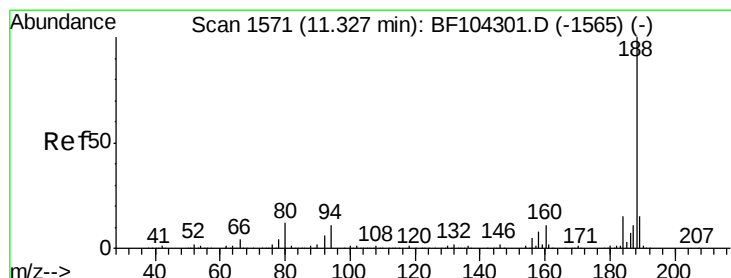
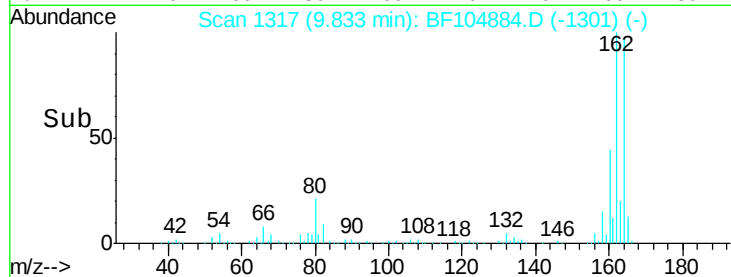
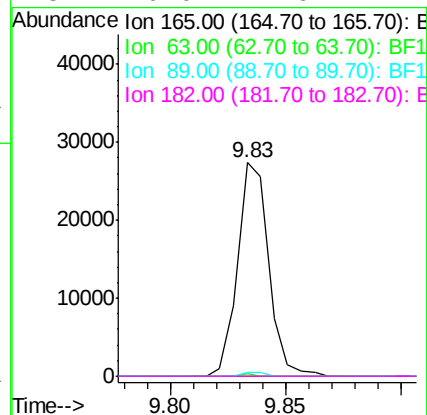
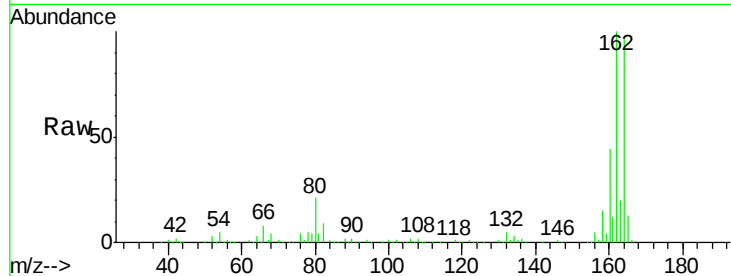
Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1





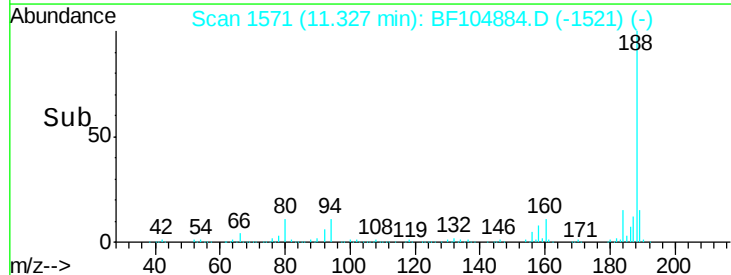
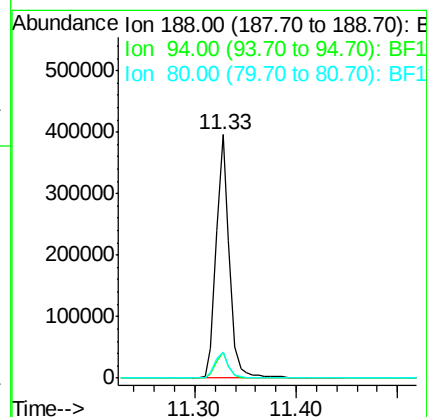
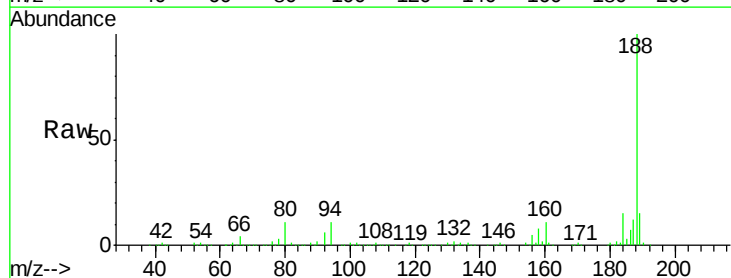
#56
 2,4-Dinitrotoluene
 Concen: 6.550 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.21 min
 Lab File: BF104884.D
 Acq: 27 Apr 2018 16:36

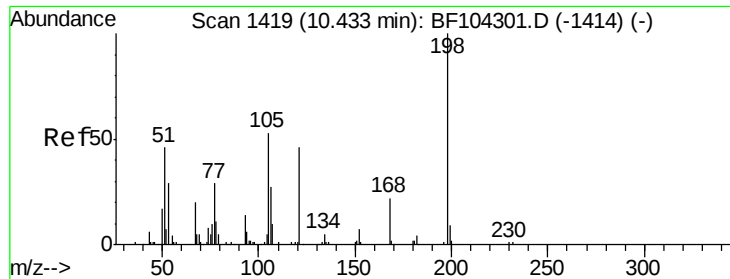
Tot Ion:	165	Resp:	25855
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104884.D
 Acq: 27 Apr 2018 16:36

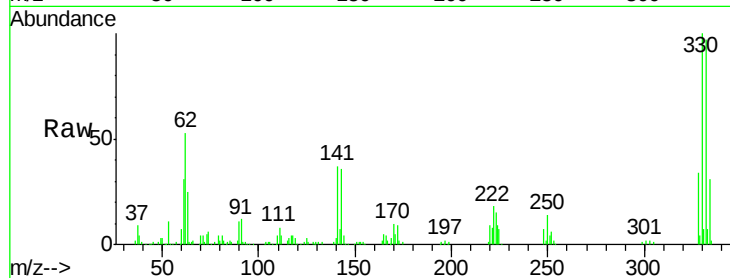
Tgt Ion:	188	Resp:	358384
Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	10.7	9.2	13.8



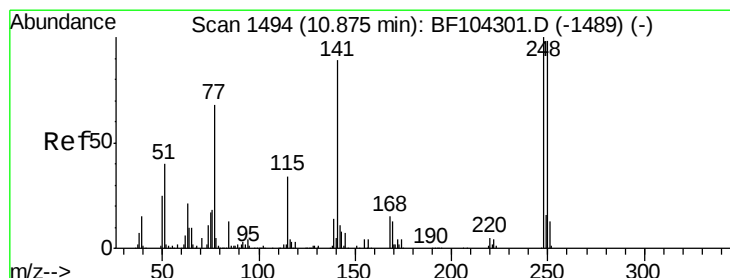
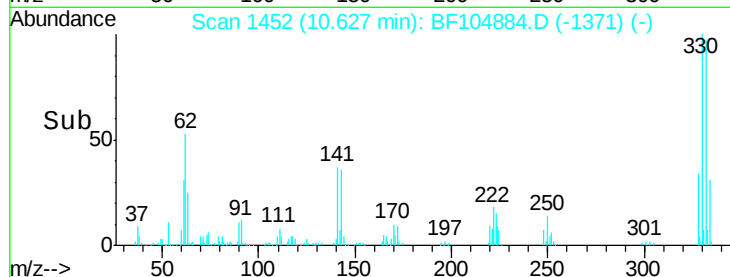
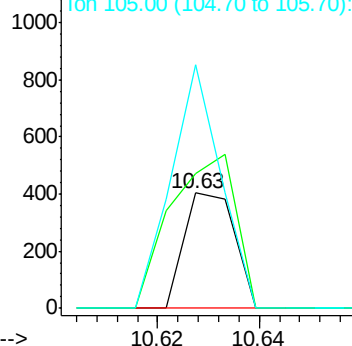


#64
4,6-Dinitro-2-methylphenol
Concen: 7.481 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF104884.D
Acq: 27 Apr 2018 16:36

Tot Ion:198 Resp: 277
Ion Ratio Lower Upper
198 100
51 117.4 37.7 77.7#
105 211.7 36.3 76.3#

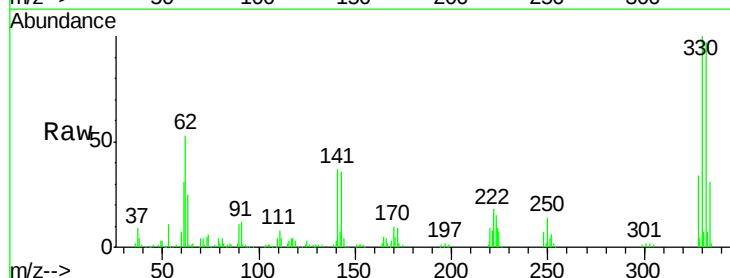


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

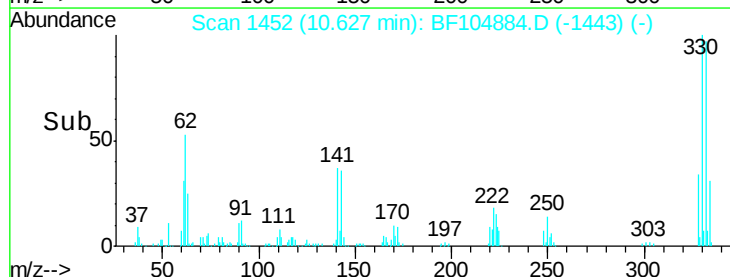
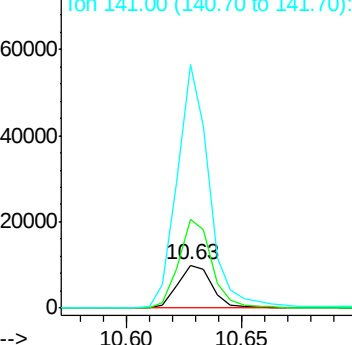


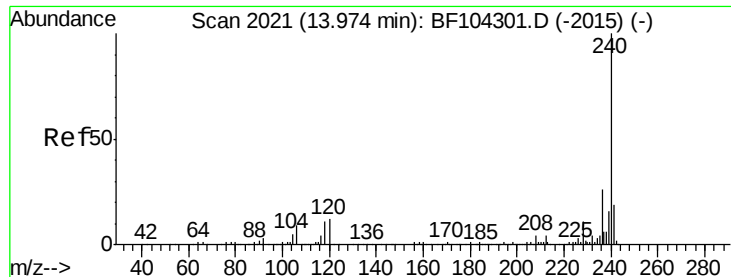
#66
4-Bromophenyl-phenylether
Concen: 2.722 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF104884.D
Acq: 27 Apr 2018 16:36

Tgt Ion:248 Resp: 10377
Ion Ratio Lower Upper
248 100
250 204.8 76.9 115.3#
141 562.3 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

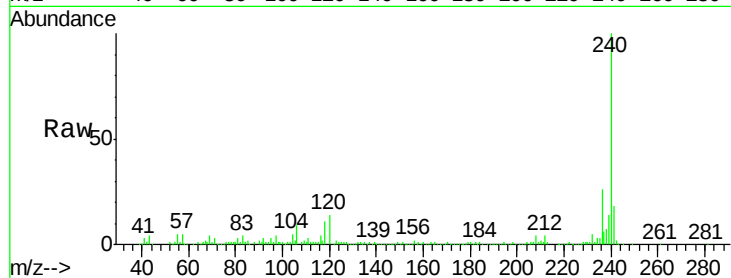
Delta R.T. -0.01 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

Tot Ion:240 Resp: 210430

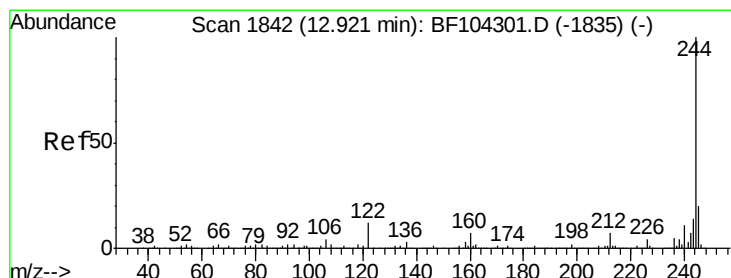
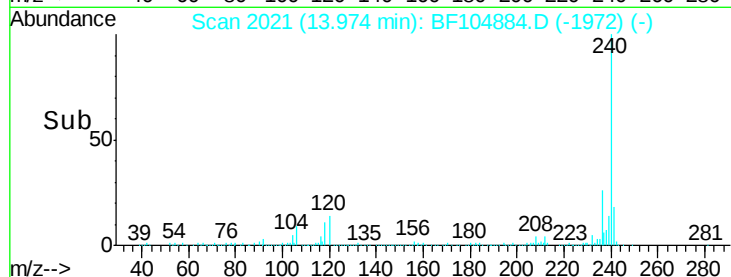
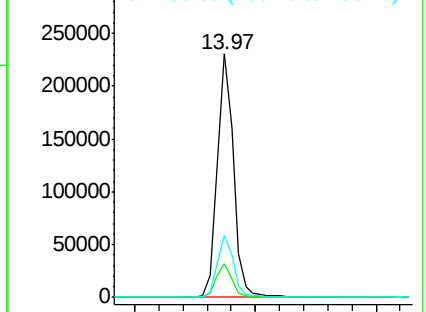
Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.7	20.7	31.1



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: 84.067 ng

RT: 12.92 min Scan# 1841

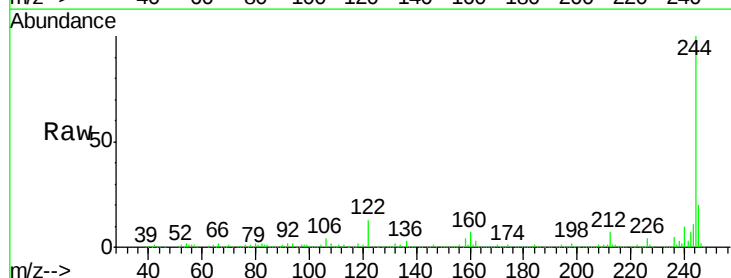
Delta R.T. -0.01 min

Lab File: BF104884.D

Acq: 27 Apr 2018 16:36

Tgt Ion:244 Resp: 775948

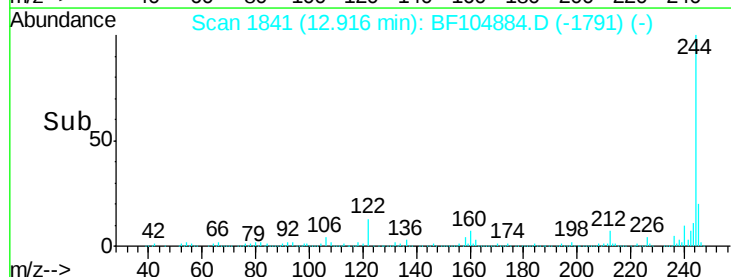
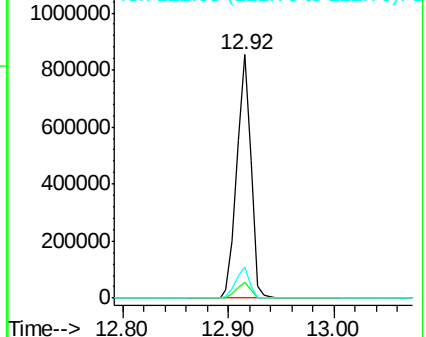
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.7	11.0	16.4

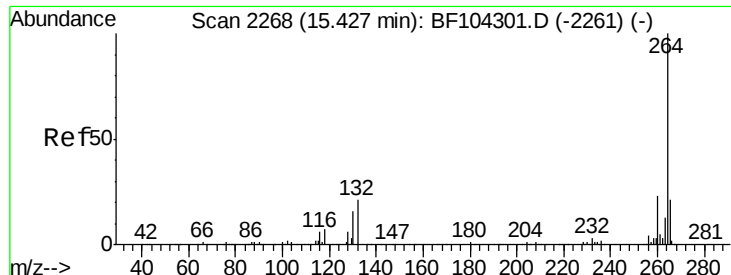


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

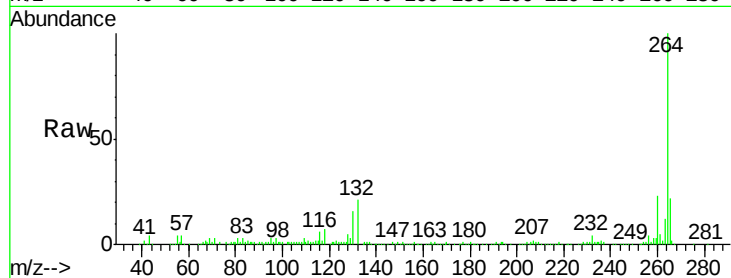
Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104884.D
Acq: 27 Apr 2018 16:36

Tot Ion:264	Resp:	226240
Ion Ratio	Lower	Upper
264	100	
260	23.4	19.2 28.8
265	22.1	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

