

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104802.D
 Acq On : 25 Apr 2018 21:15
 Operator : JU/SJ
 Sample : J2510-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:17:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111022	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	422846	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	163885	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	185860	20.00	ng	0.00
75) Chrysene-d12	14.00	240	76260	20.00	ng	0.02
86) Perylene-d12	15.52	264	131186	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	485360	66.85	ng	0.00
7) Phenol-d6	6.45	99	402446	45.11	ng	0.00
23) Nitrobenzene-d5	7.37	82	677217	104.58	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	191489	112.64	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1114843	107.46	ng	0.00
78) Terphenyl-d14	12.94	244	653718	195.43	ng	0.02

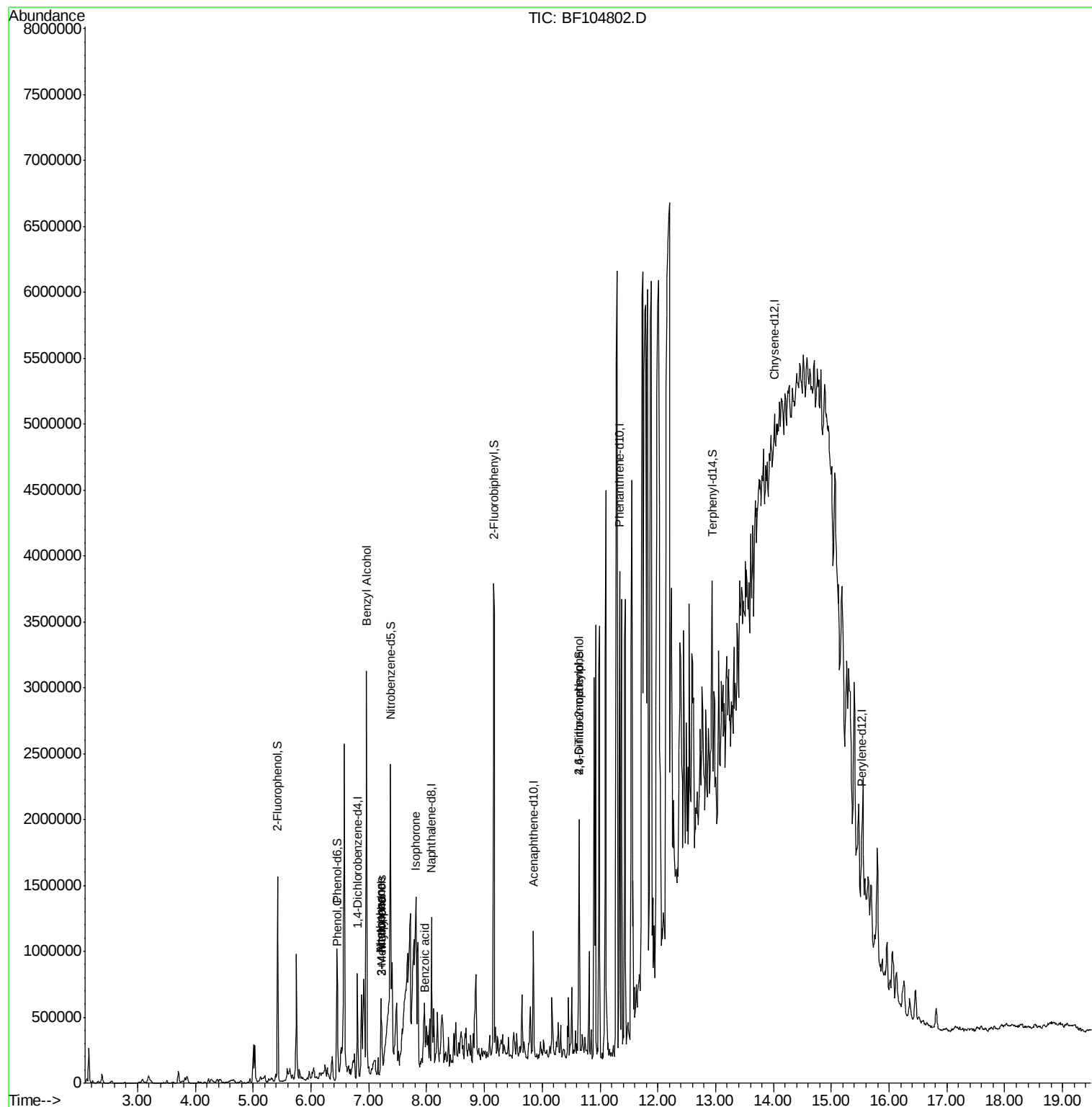
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	29185	3.083	ng	95
15) Benzyl Alcohol	6.96	79	174367	25.733	ng	95
17) 2-Methylphenol	7.23	107	87997	13.210	ng	86
20) 3+4-Methylphenols	7.23	107	88005	10.652	ng	86
22) Acetophenone	7.21	105	159846	15.355	ng	# 94
24) Nitrobenzene	7.21	77	141765	19.829	ng	# 39
25) Isophorone	7.80	82	54428	3.975	ng	# 68
32) Benzoic acid	7.97	122	14167	2.938	ng	98
64) 4,6-Dinitro-2-methylphenol	10.64	198	860	8.152	ng	# 1
76) Benzidine	12.74	184	516	Below Cal		# 1

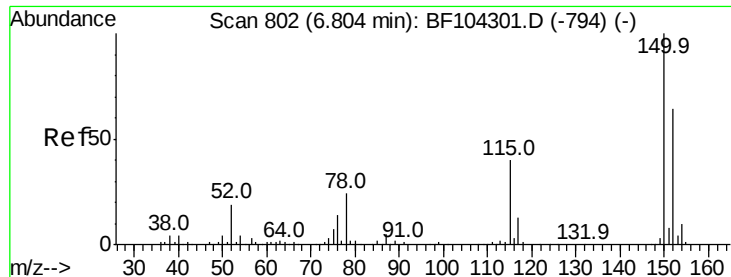
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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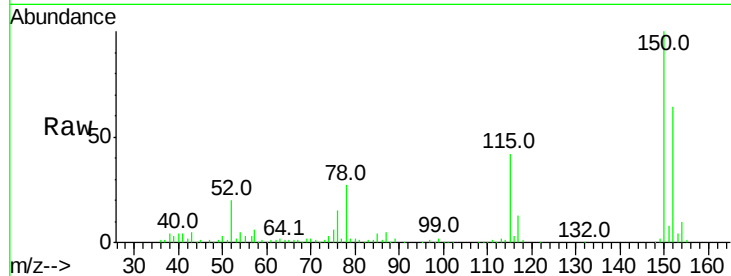


#1

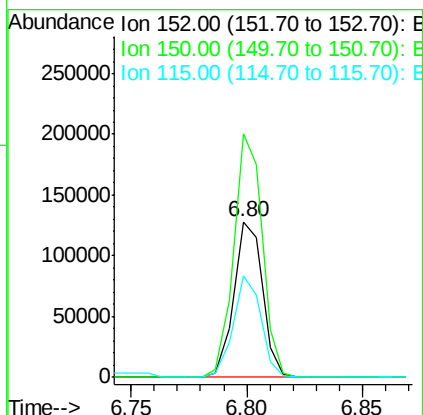
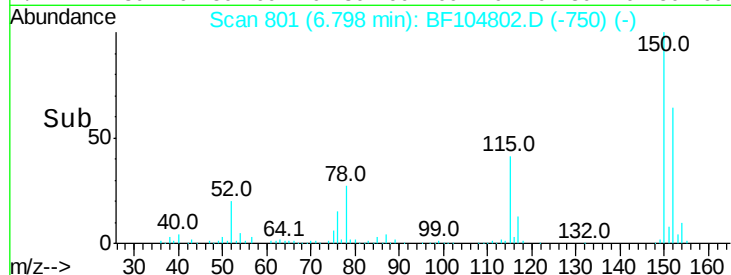
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF104802.D
 Acq: 25 Apr 2018 21:15

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 111022
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.6 186.8
 115 65.0 50.1 75.1



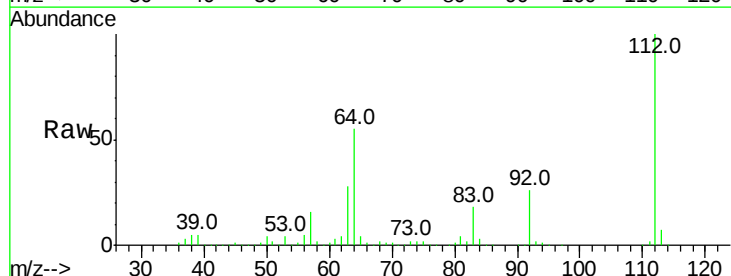
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



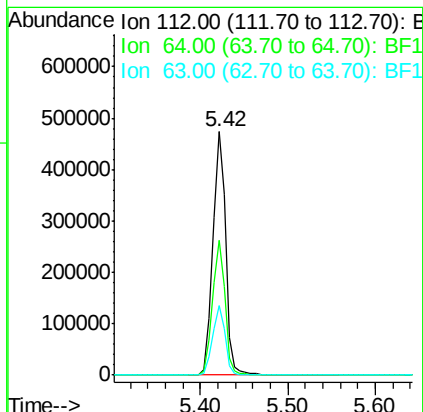
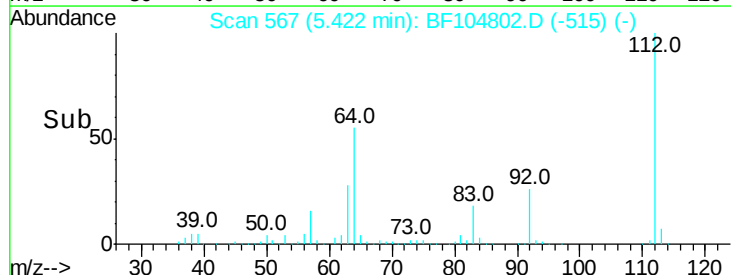
#5

2-Fluorophenol
 Concen: 66.846 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104802.D
 Acq: 25 Apr 2018 21:15

Tgt Ion:112 Resp: 485360
 Ion Ratio Lower Upper
 112 100
 64 55.3 47.9 71.9
 63 28.4 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: 45.111 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampleId :

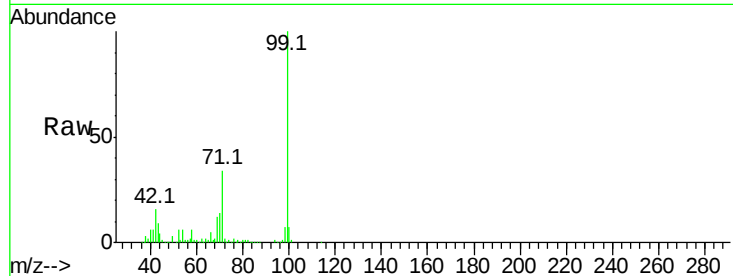
Tot Ion: 99 Resp: 402446

Ion Ratio Lower Upper

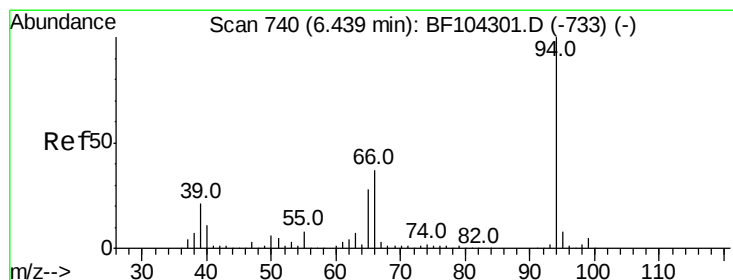
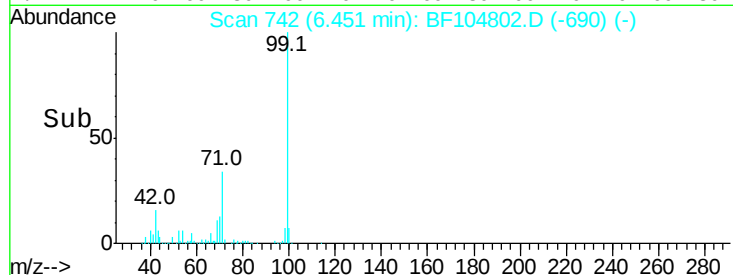
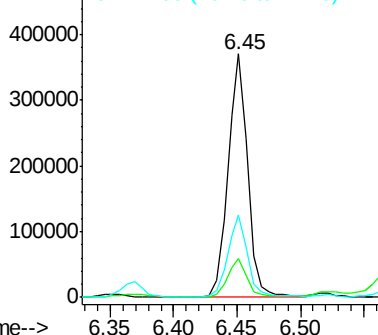
99 100

42 16.2 14.5 21.7

71 34.0 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: 3.083 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

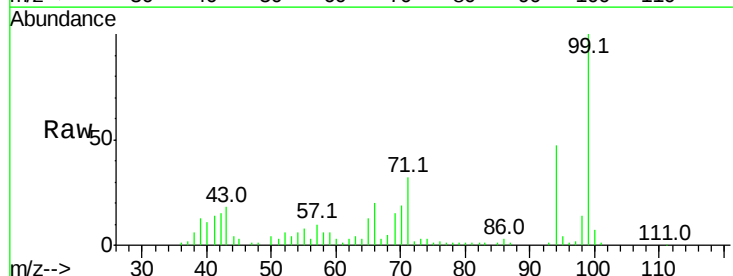
Tgt Ion: 94 Resp: 29185

Ion Ratio Lower Upper

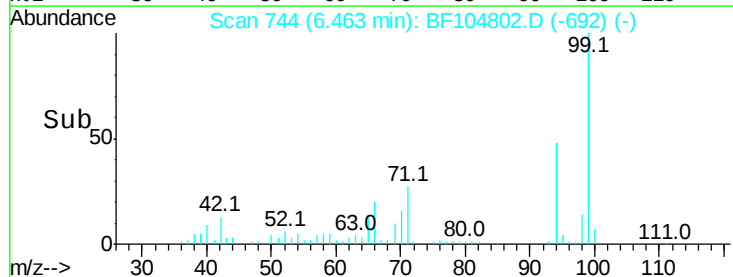
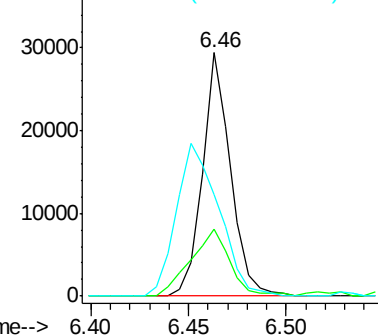
94 100

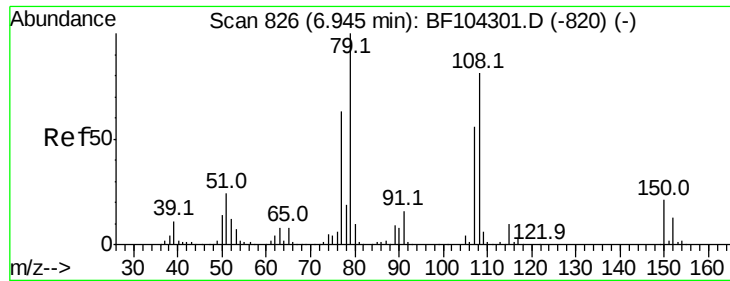
65 27.7 7.9 47.9

66 41.7 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: 25.733 ng

RT: 6.96 min Scan# 828

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampleId :

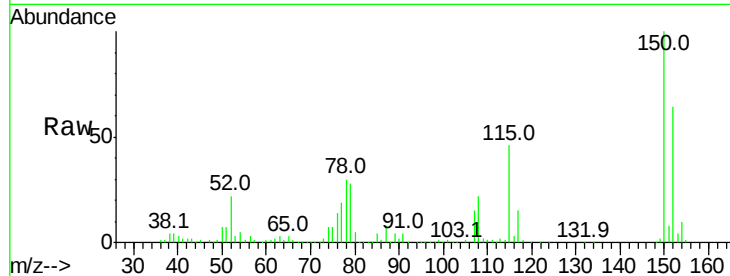
Tot Ion: 79 Resp: 174367

Ion Ratio Lower Upper

79 100

108 77.3 65.1 97.7

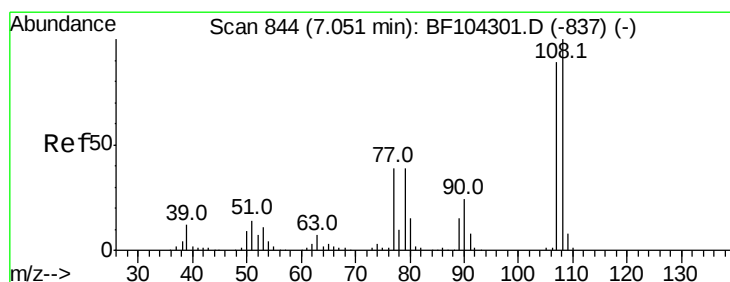
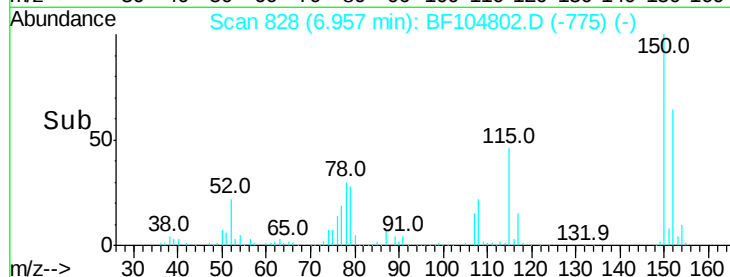
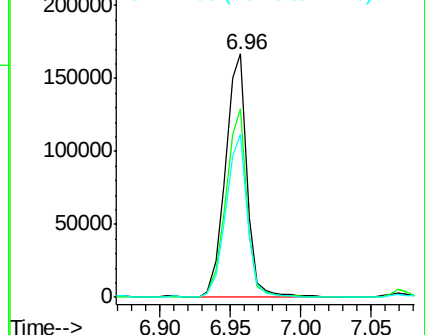
77 66.7 50.6 75.8



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: 13.210 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.16 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Tgt Ion: 107 Resp: 87997

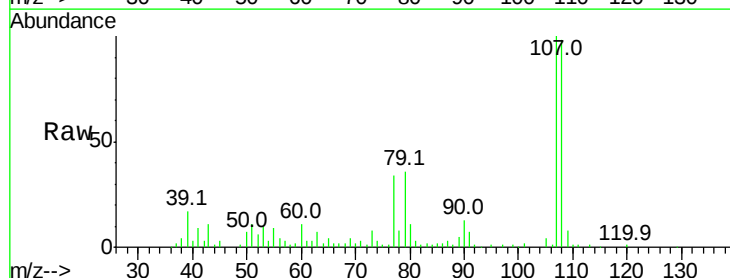
Ion Ratio Lower Upper

107 100

108 97.8 91.7 137.5

77 33.9 33.8 50.8

79 35.6 33.8 50.8

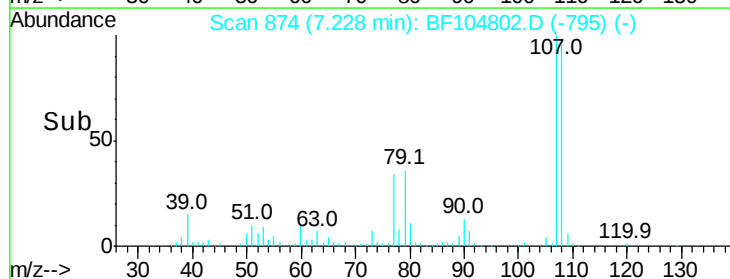
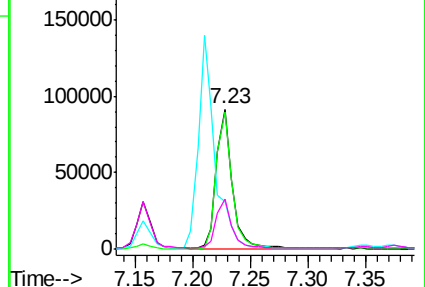


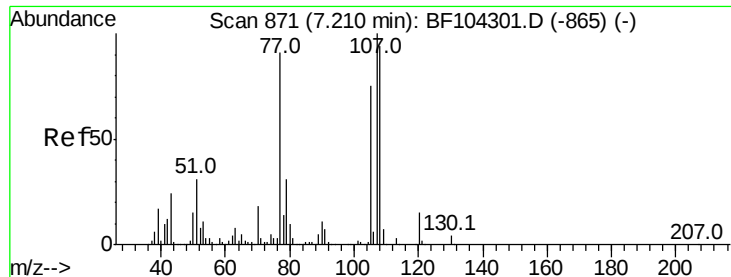
Abundance Ion 107.00 (106.70 to 107.70): BF1

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: 10.652 ng

RT: 7.23 min Scan# 874

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 88005

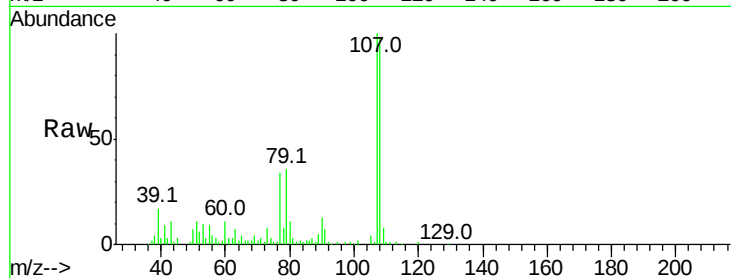
Ion Ratio Lower Upper

107 100

108 97.8 68.2 108.2

77 33.9 26.7 66.7

79 35.6 6.3 46.3

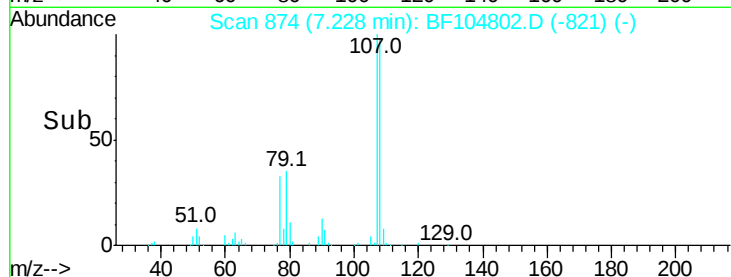


Abundance Ion 107.00 (106.70 to 107.70): E

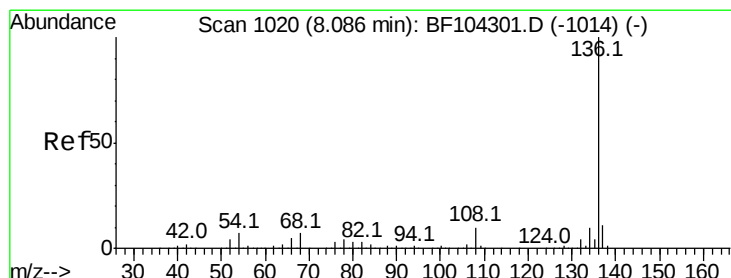
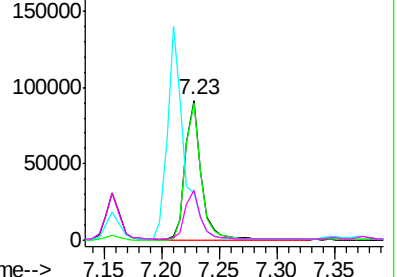
Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Tgt Ion:136 Resp: 422846

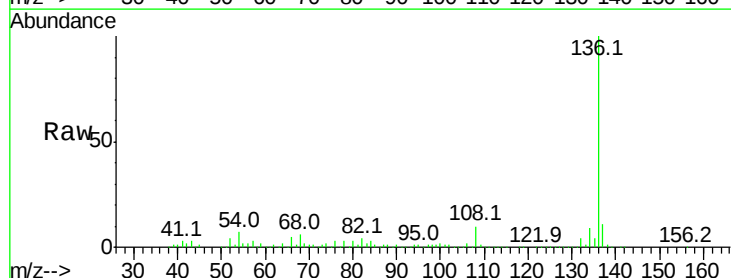
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.5 6.6 9.8#

68 5.7 5.0 7.4

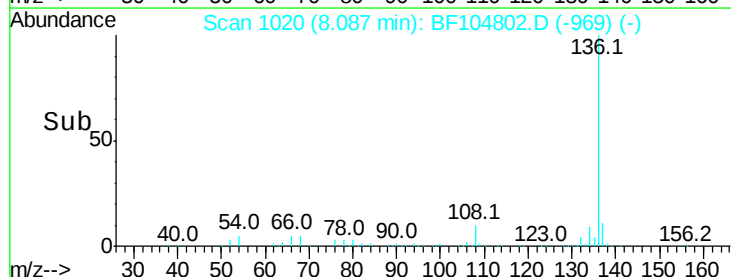


Abundance Ion 136.00 (135.70 to 136.70): E

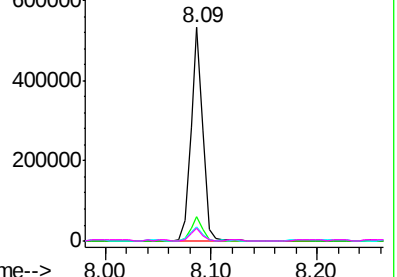
Ion 137.00 (136.70 to 137.70): E

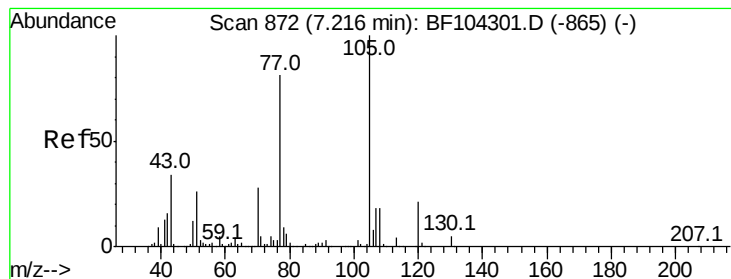
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->





#22

Acetophenone

Concen: 15.355 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 159846

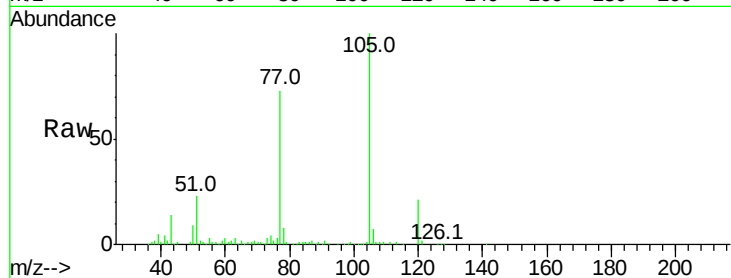
Ion Ratio Lower Upper

105 100

71 1.3 4.4 6.6#

51 22.8 22.3 33.5

120 21.0 16.9 25.3

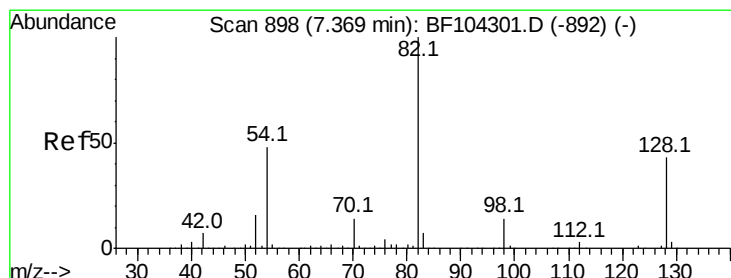
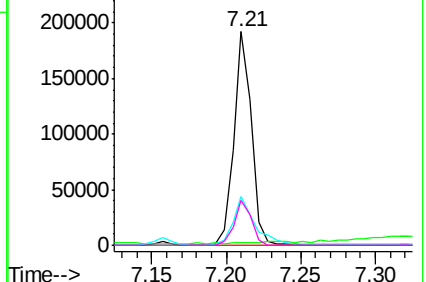
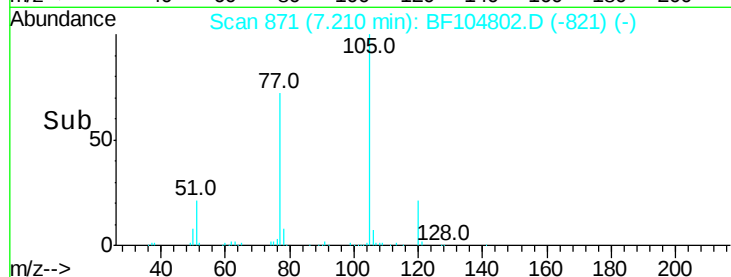


Abundance Ion 105.00 (104.70 to 105.70): E

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: 104.579 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

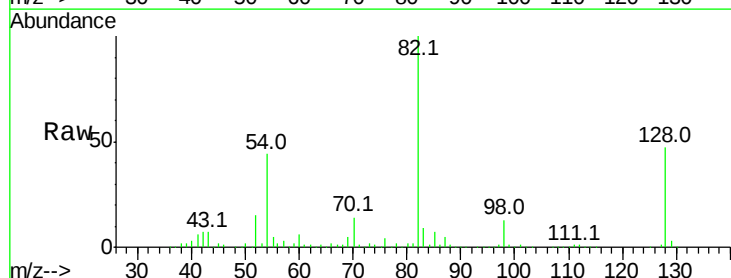
Tgt Ion: 82 Resp: 677217

Ion Ratio Lower Upper

82 100

128 46.7 36.1 54.1

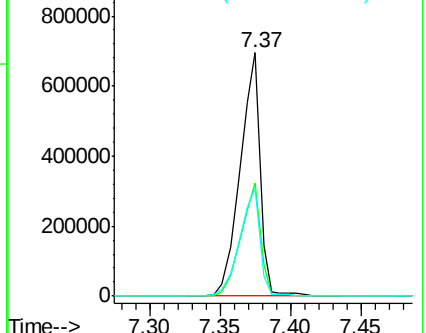
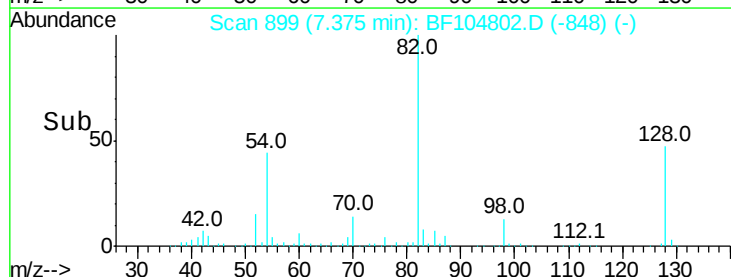
54 44.2 41.4 62.2

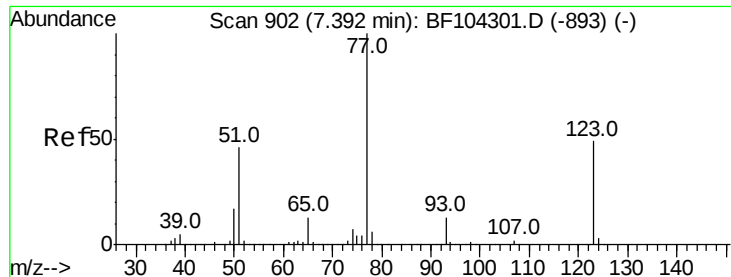


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#24

Nitrobenzene

Concen: 19.829 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.18 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampleId :

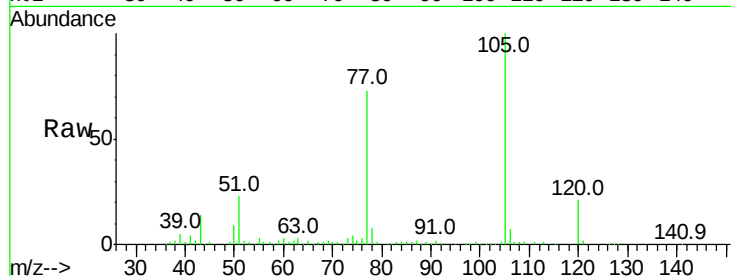
Tot Ion: 77 Resp: 141765

Ion Ratio Lower Upper

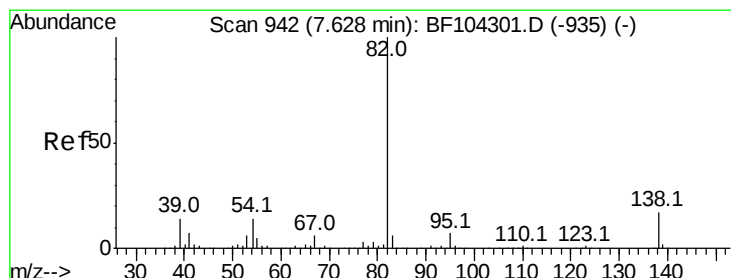
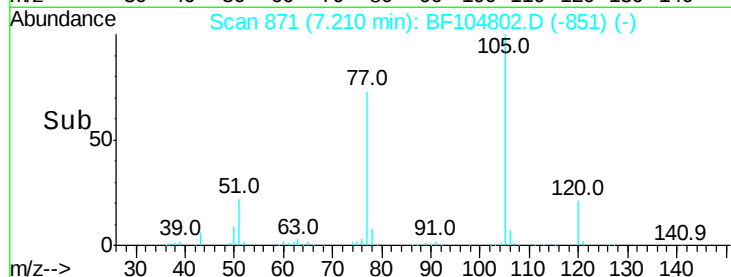
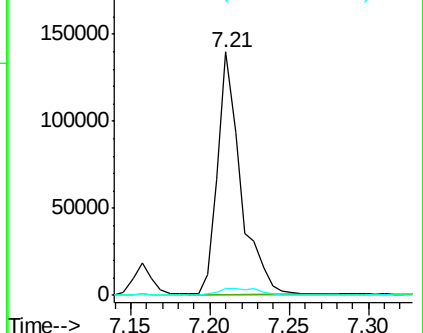
77 100

123 0.0 37.9 56.9#

65 2.6 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: 3.975 ng

RT: 7.80 min Scan# 972

Delta R.T. 0.18 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

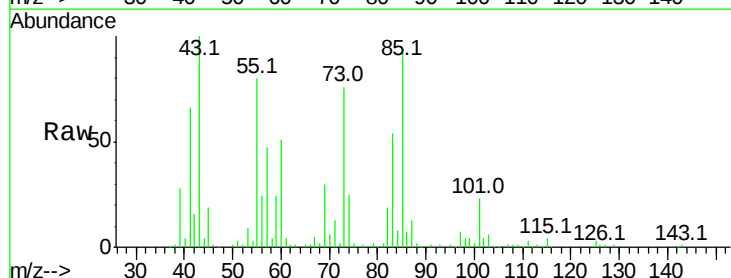
Tgt Ion: 82 Resp: 54428

Ion Ratio Lower Upper

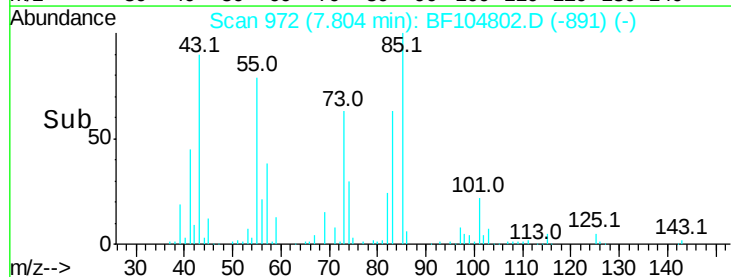
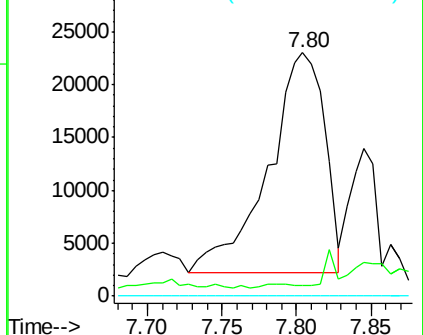
82 100

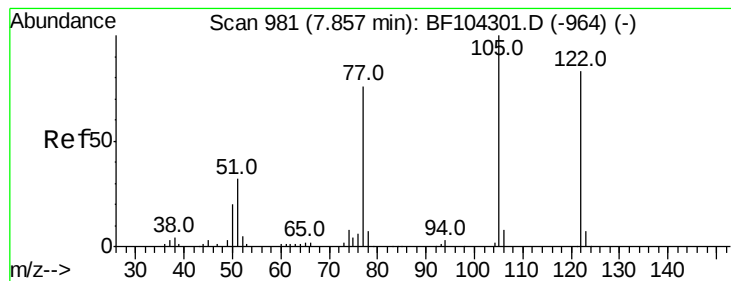
95 4.5 5.2 7.8#

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





#32

Benzoic acid

Concen: 2.938 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.09 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampleId :

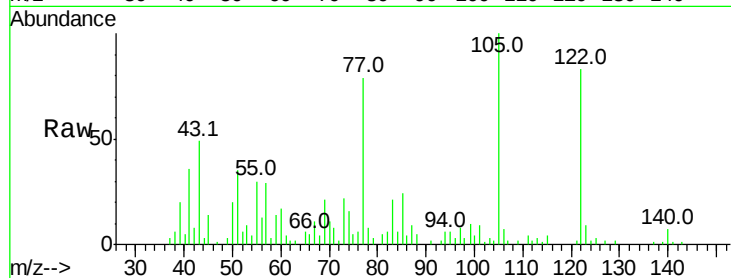
Tot Ion:122 Resp: 14167

Ion Ratio Lower Upper

122 100

105 120.7 101.1 141.1

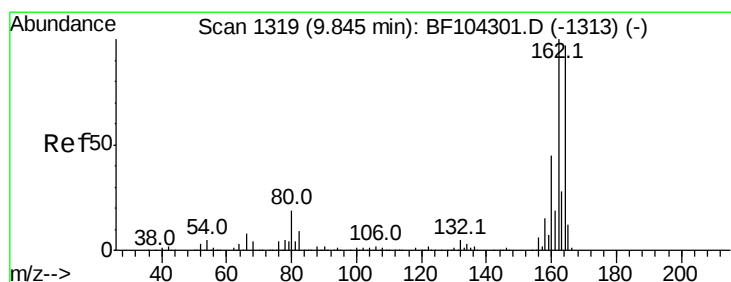
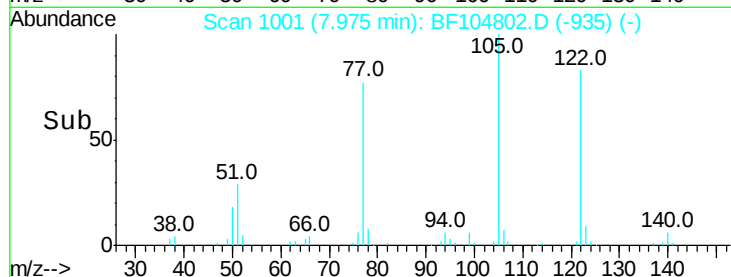
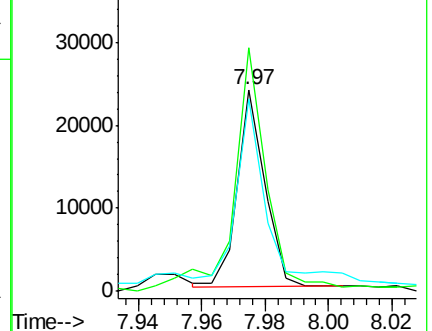
77 95.7 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

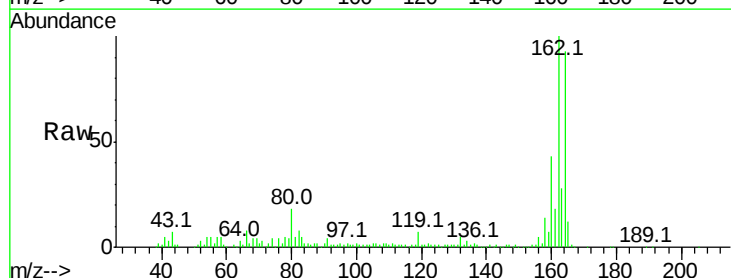
Tgt Ion:164 Resp: 163885

Ion Ratio Lower Upper

164 100

162 107.1 86.1 129.1

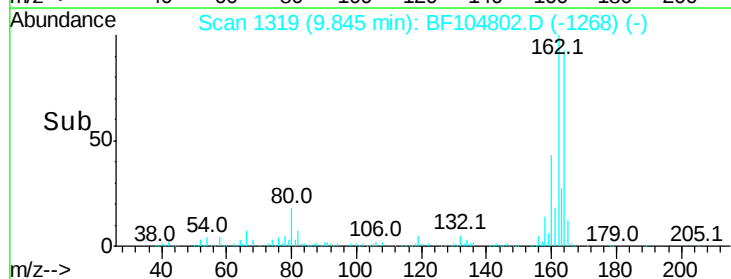
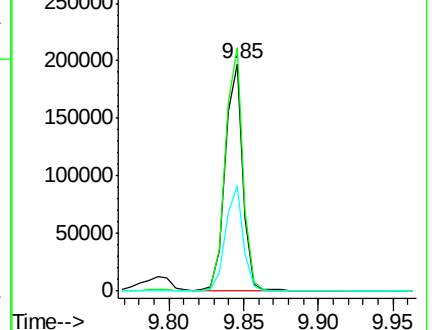
160 46.2 38.3 57.5

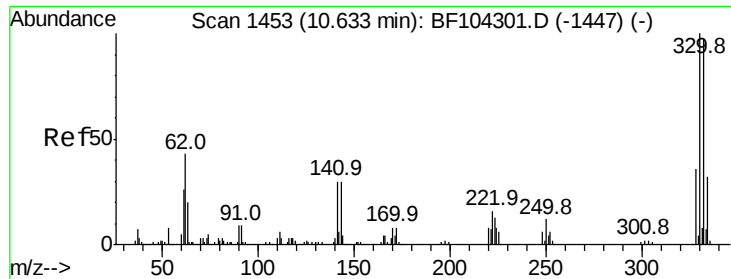


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

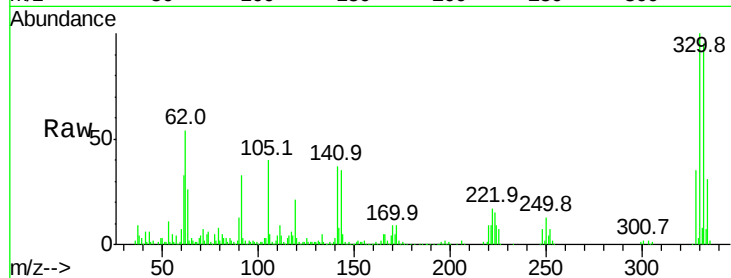




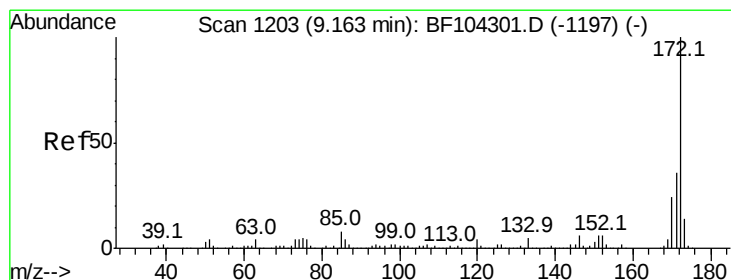
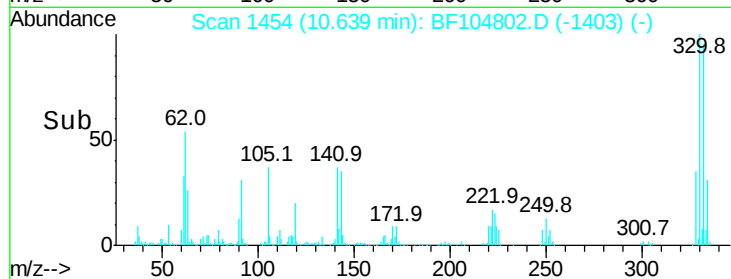
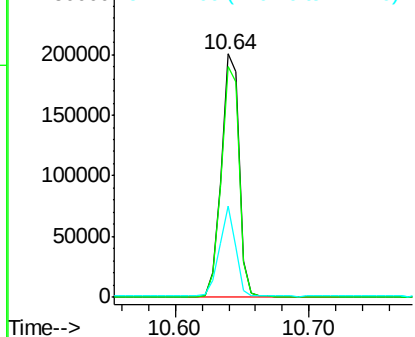
#41
 2,4,6-Tribromophenol
 Concen: 112.639 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104802.D
 Acq: 25 Apr 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 191489
 Ion Ratio Lower Upper
 330 100
 332 95.2 77.0 115.6
 141 32.8 29.9 44.9

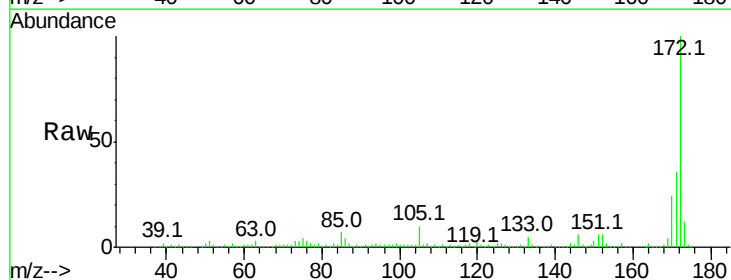


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

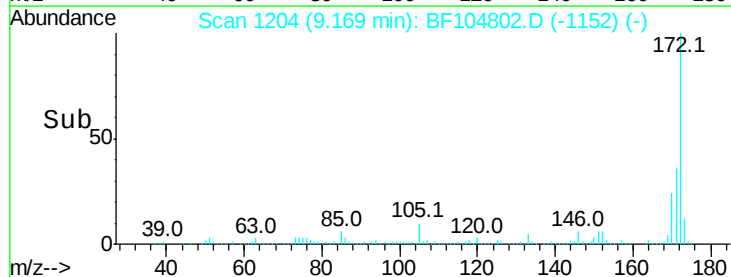
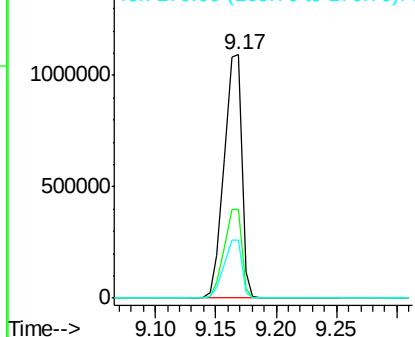


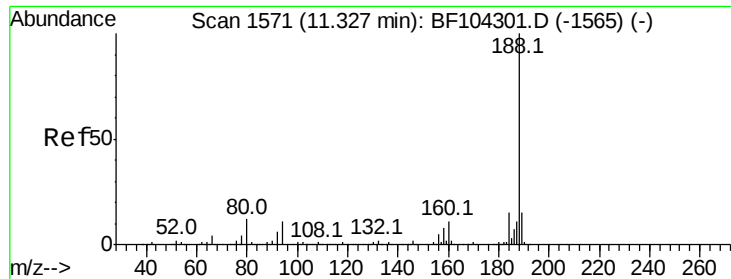
#44
 2-Fluorobiphenyl
 Concen: 107.464 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104802.D
 Acq: 25 Apr 2018 21:15

Tgt Ion:172 Resp: 1114843
 Ion Ratio Lower Upper
 172 100
 171 36.3 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.01 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampleId :

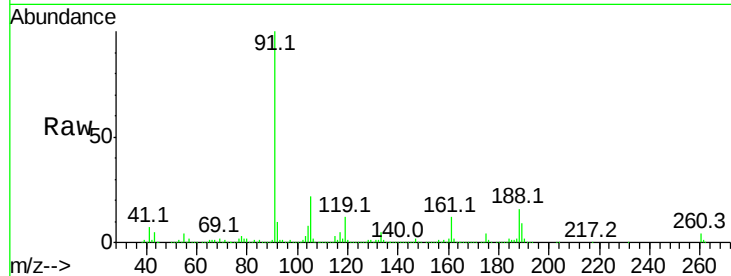
Tot Ion:188 Resp: 185860

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

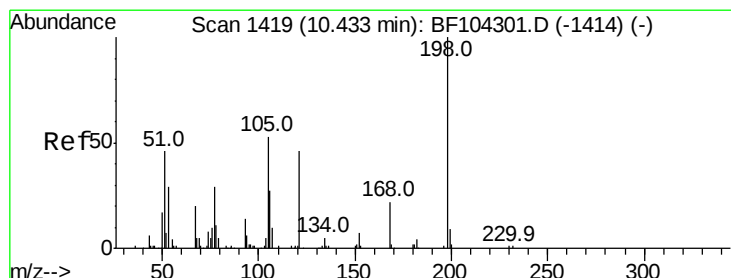
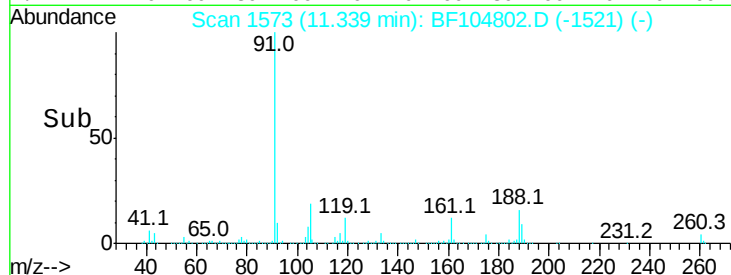
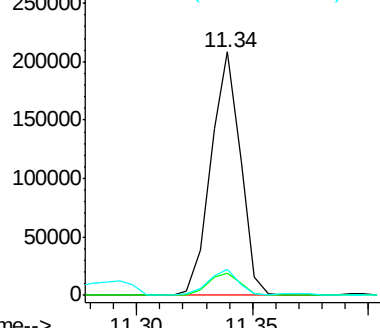
80 10.7 9.2 13.8



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: 8.152 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.18 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

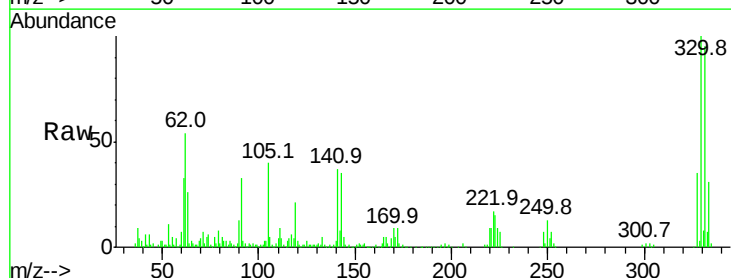
Tgt Ion:198 Resp: 860

Ion Ratio Lower Upper

198 100

51 412.3 37.7 77.7#

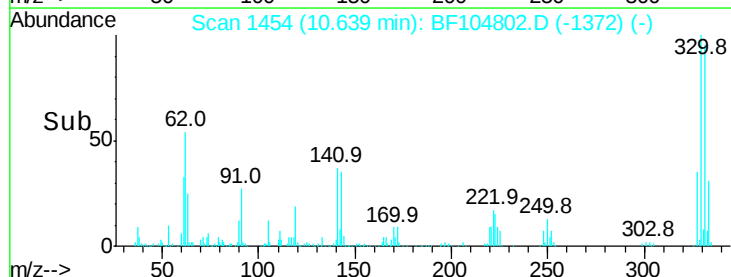
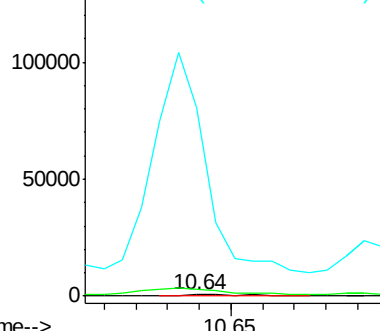
105 11533.2 36.3 76.3#

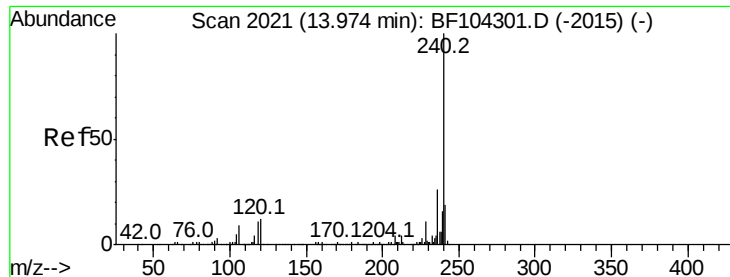


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#75

Chrvsene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

Instrument :

BNA_F

ClientSampled :

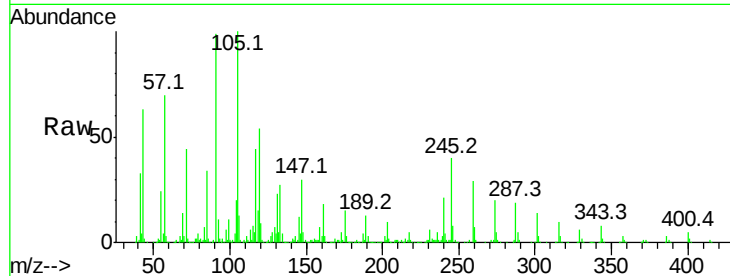
Tot Ion:240 Resp: 76260

Ion Ratio Lower Upper

240 100

120 44.6 9.5 14.3#

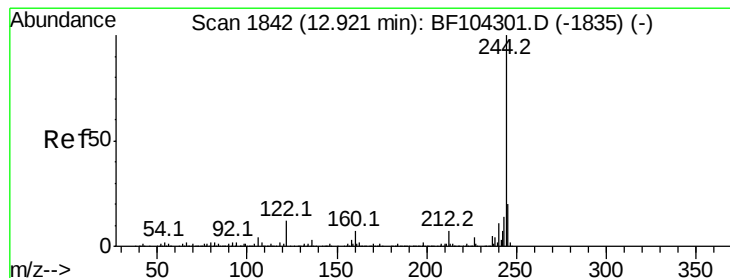
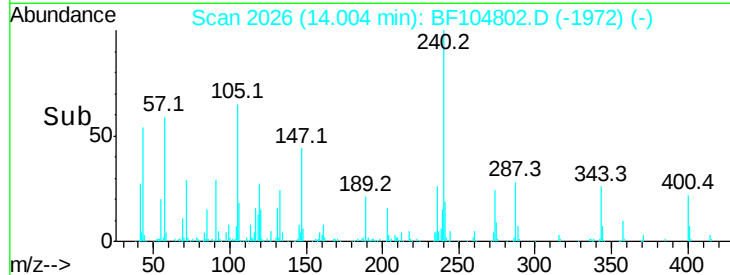
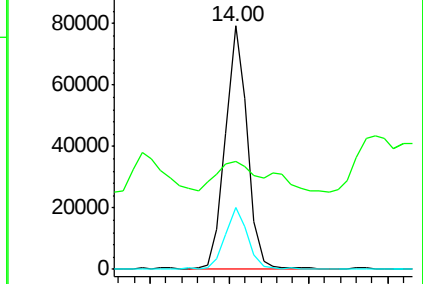
236 25.5 20.7 31.1



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: 195.432 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.02 min

Lab File: BF104802.D

Acq: 25 Apr 2018 21:15

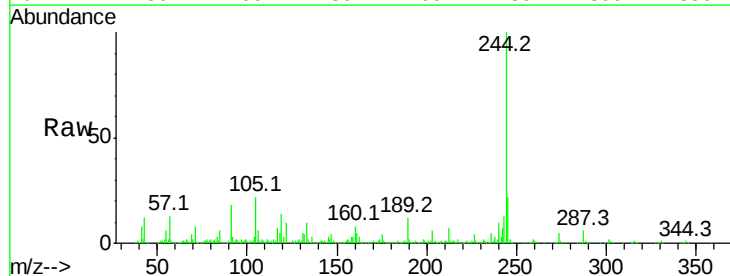
Tgt Ion:244 Resp: 653718

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

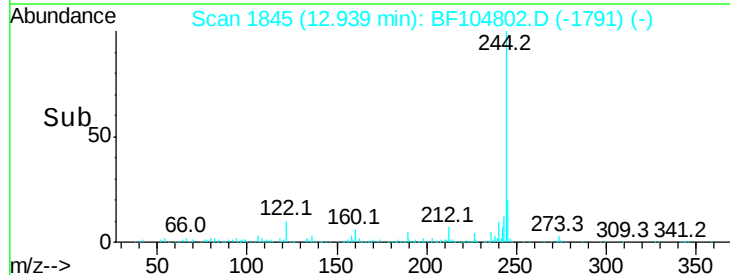
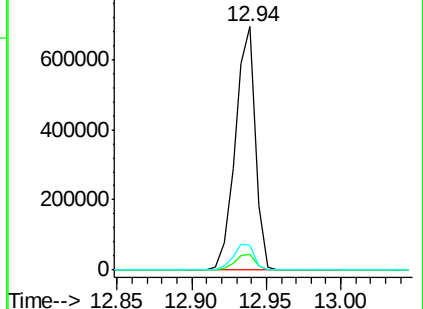
122 10.3 11.0 16.4#

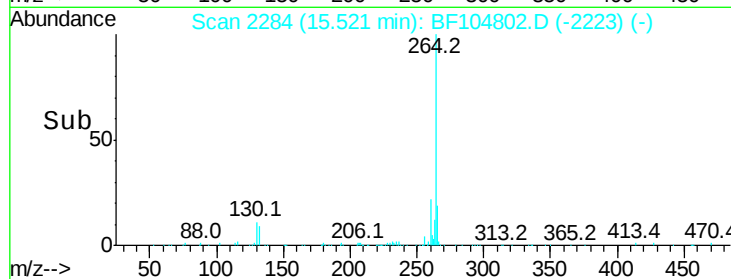
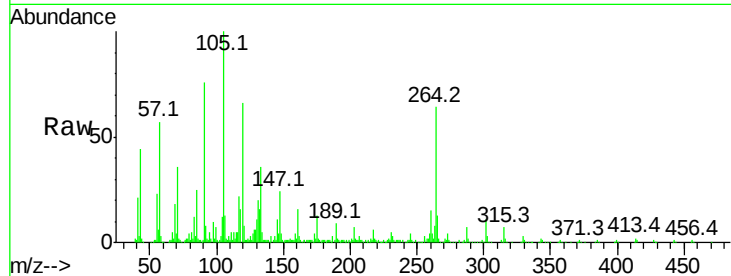
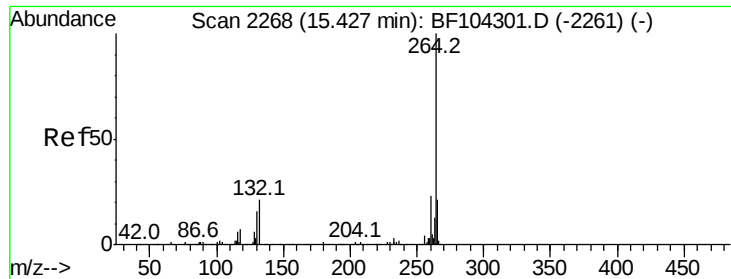


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.52 min Scan# 2284
Delta R.T. 0.06 min
Lab File: BF104802.D
Acq: 25 Apr 2018 21:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	19.7	17.5	26.3

