

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104388.D
 Acq On : 9 Apr 2018 23:14
 Operator : JU/SJ
 Sample : J2158-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:20:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	127660	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	511359	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	202779	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	299308	20.00	ng	0.00
75) Chrysene-d12	13.97	240	260138	20.00	ng	0.00
86) Perylene-d12	15.44	264	189744	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1018063	121.94	ng	0.02
7) Phenol-d6	6.44	99	1138902	111.02	ng	0.01
23) Nitrobenzene-d5	7.37	82	802817	102.52	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	258582	122.93	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1338581	104.28	ng	0.00
78) Terphenyl-d14	12.93	244	1033411	90.57	ng	0.00

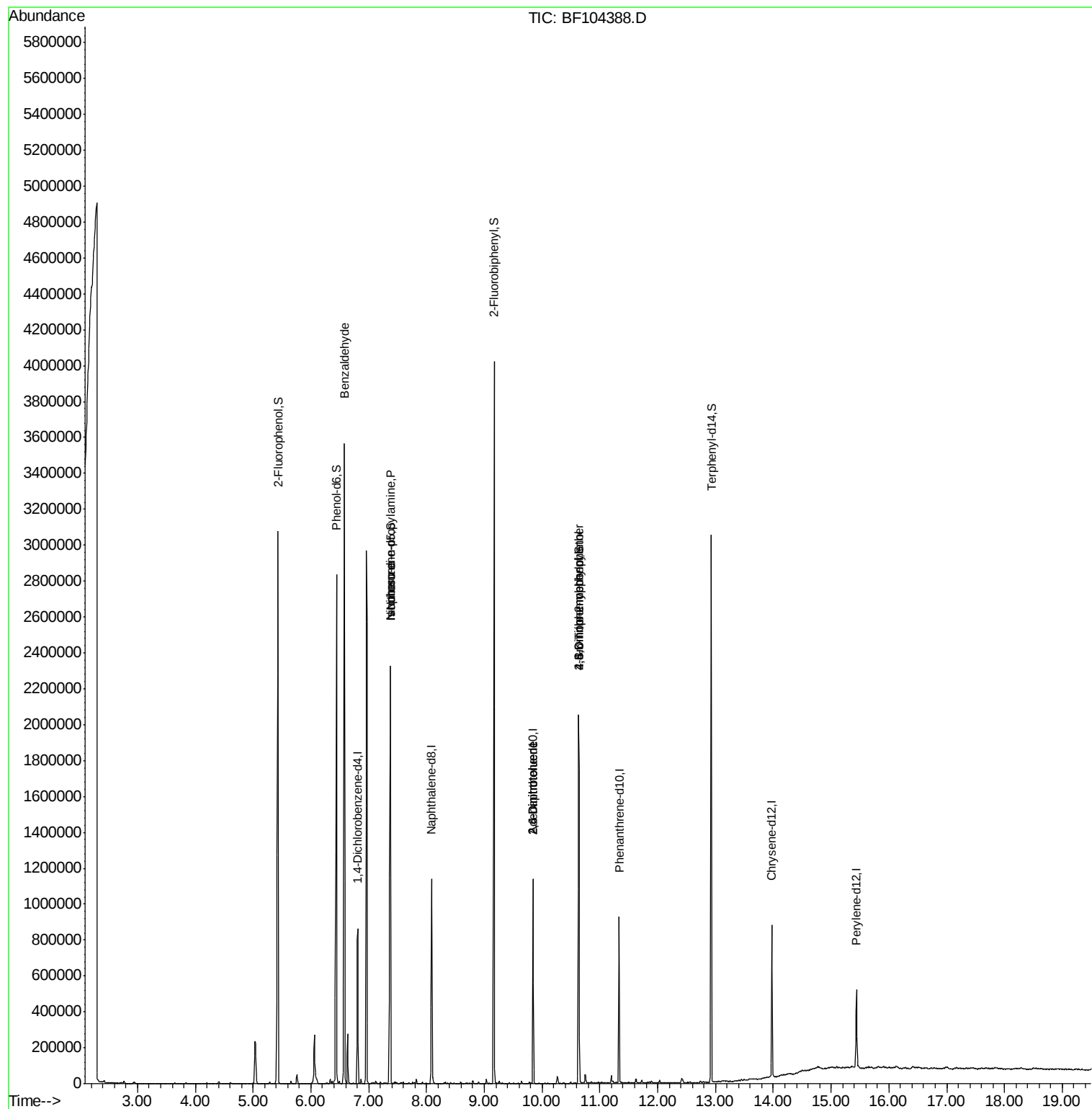
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	23963	2.294	ng	82
19) n-Nitroso-di-n-propylamine	7.37	70	106188	15.841	ng	# 74
25) Isophorone	7.37	82	802798	48.478	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	25607	8.654	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	25607	6.598	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	498	7.636	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15434	4.848	ng	# 1
76) Benzidine	12.93	184	13696	Below Cal		# 95

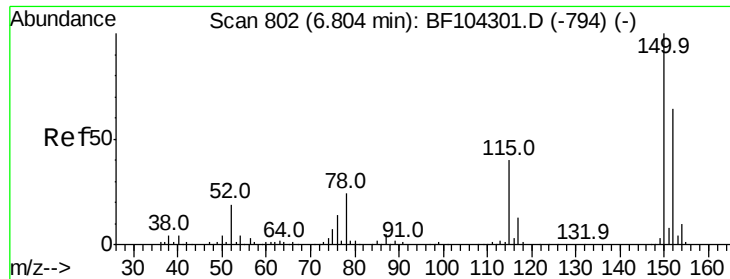
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104388.D
Acq On : 9 Apr 2018 23:14
Operator : JU/SJ
Sample : J2158-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 10 01:20:01 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 06 16:44:53 2018
Response via : Initial Calibration



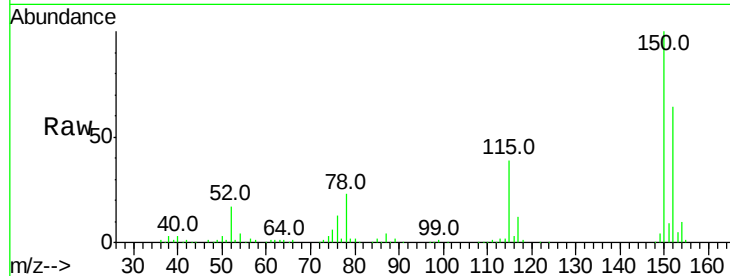


#1

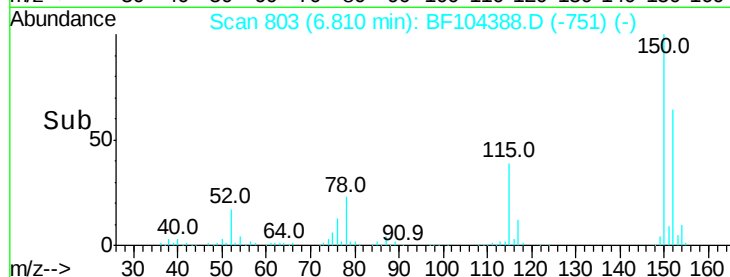
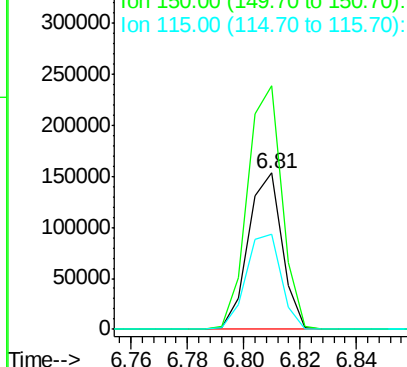
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104388.D
Acq: 9 Apr 2018 23:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 127660
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 60.5 50.1 75.1



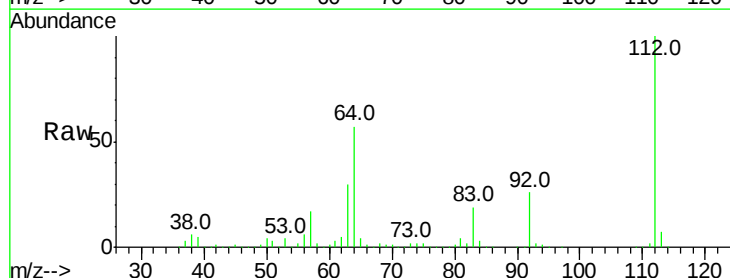
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



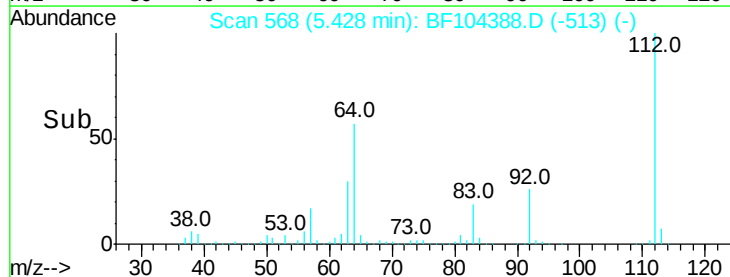
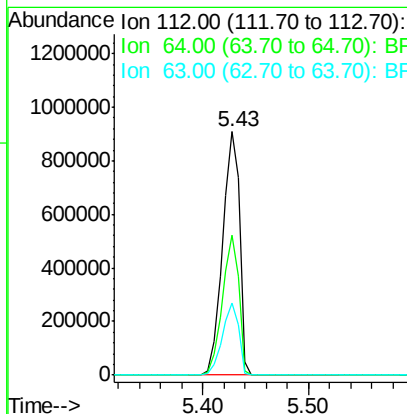
#5

2-Fluorophenol
Concen: 121.939 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104388.D
Acq: 9 Apr 2018 23:14

Tgt Ion:112 Resp: 1018063
Ion Ratio Lower Upper
112 100
64 57.3 47.9 71.9
63 29.7 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: 111.024 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

Instrument :

BNA_F

ClientSampleId :

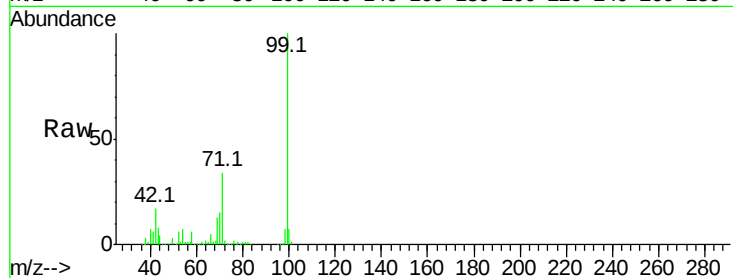
Tot Ion: 99 Resp: 1138902

Ion Ratio Lower Upper

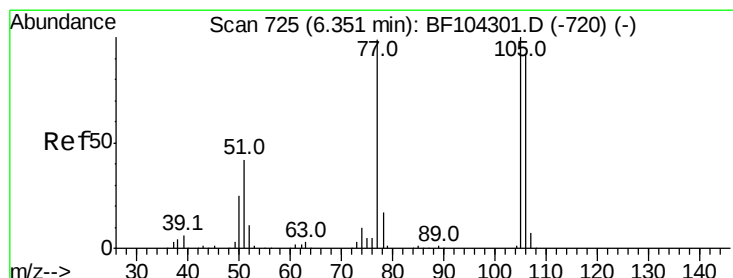
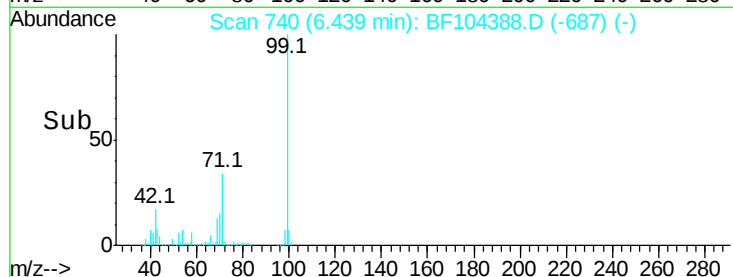
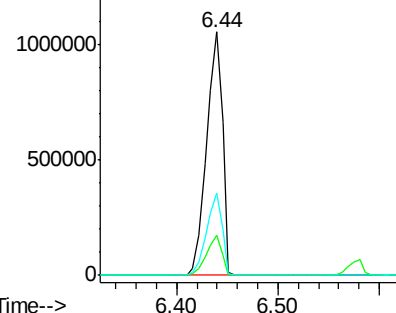
99 100

42 16.7 14.5 21.7

71 33.6 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



#9

Benzaldehyde

Concen: 2.294 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.23 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

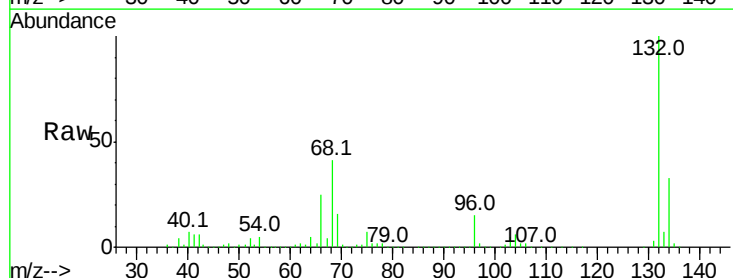
Tgt Ion: 77 Resp: 23963

Ion Ratio Lower Upper

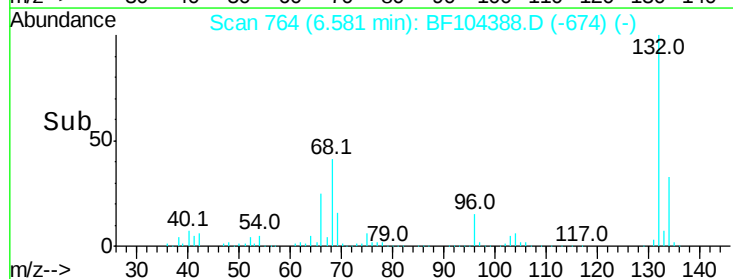
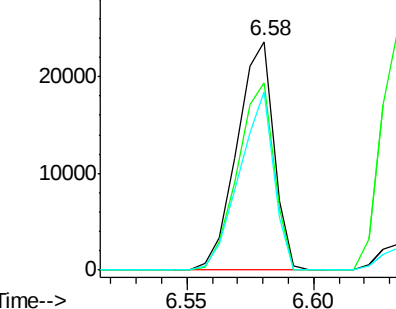
77 100

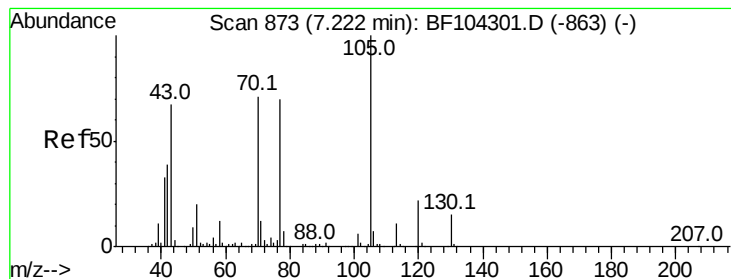
105 81.7 81.1 121.1

106 78.0 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





#19

n-Nitroso-di-n-propylamine

Concen: 15.841 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 106188

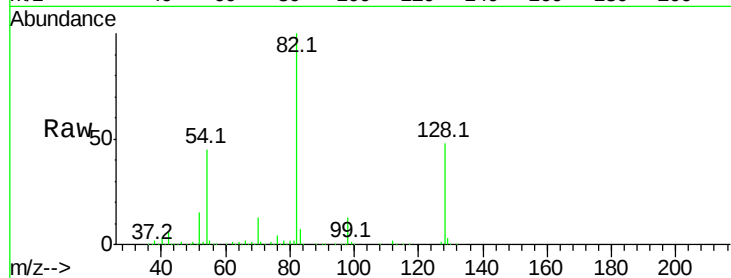
Ion Ratio Lower Upper

70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

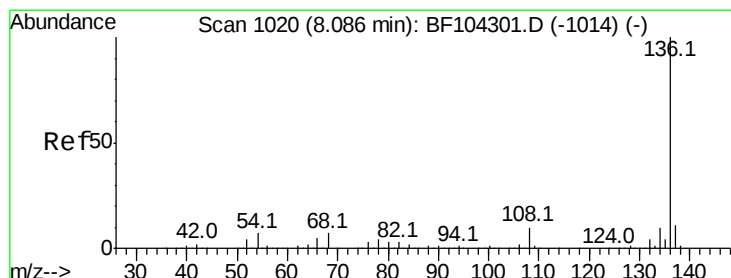
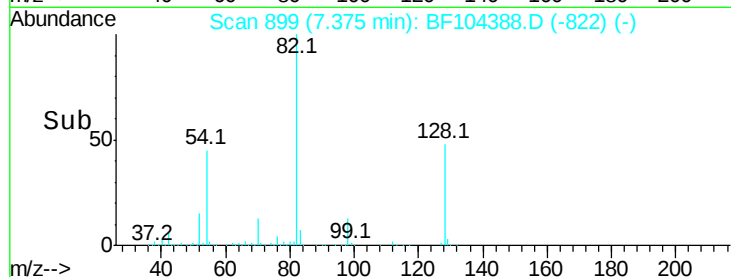
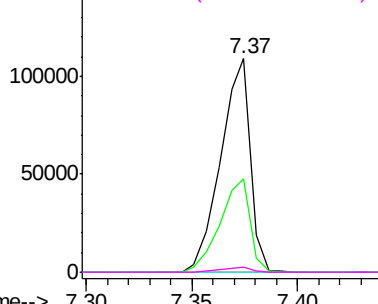


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

Tgt Ion:136 Resp: 511359

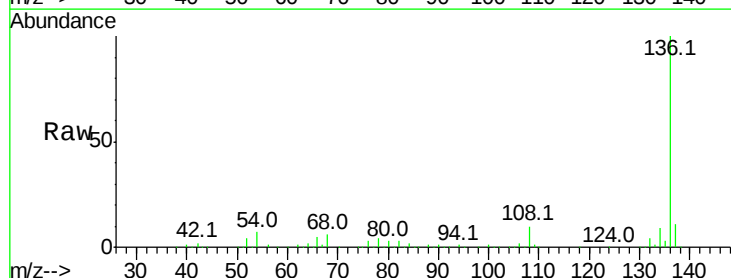
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.5 6.6 9.8

68 6.2 5.0 7.4

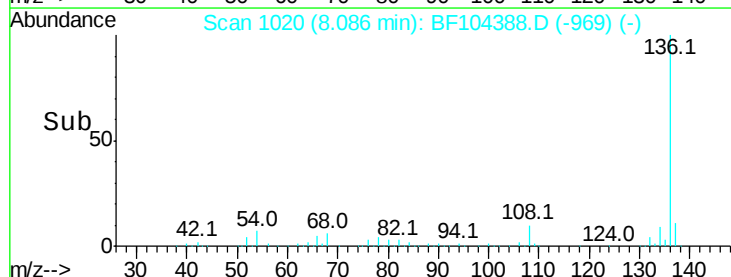
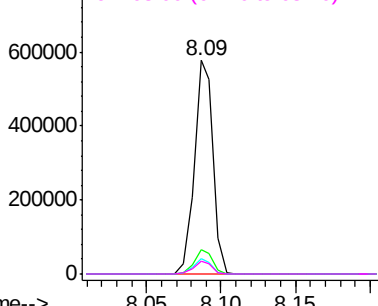


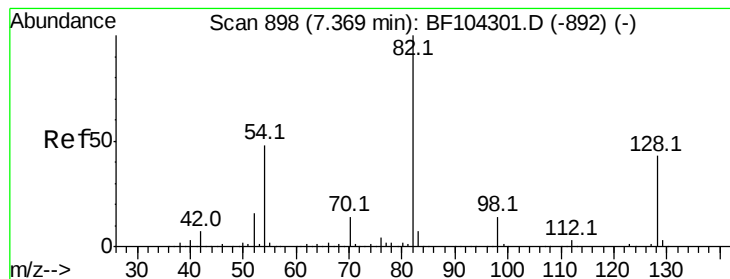
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 102.516 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.01 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

Instrument :

BNA_F

ClientSampled :

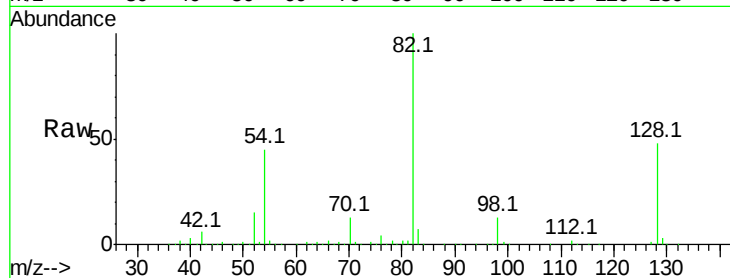
Tot Ion: 82 Resp: 802817

Ion Ratio Lower Upper

82 100

128 48.0 36.1 54.1

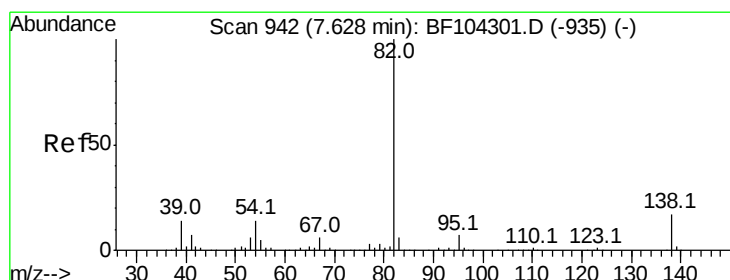
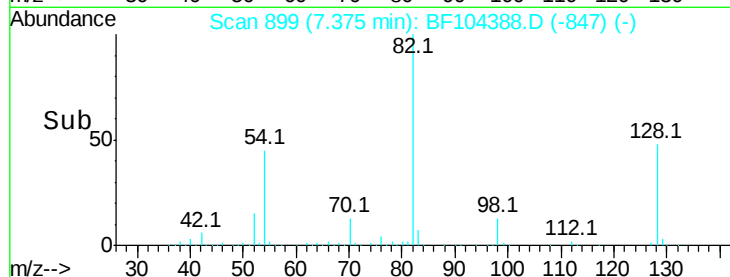
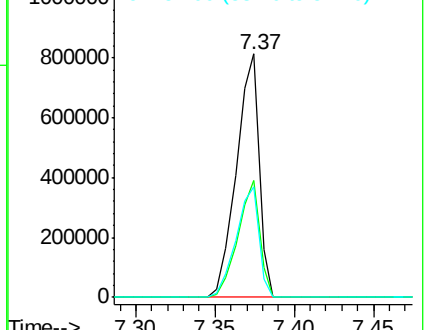
54 45.5 41.4 62.2



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: 48.478 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

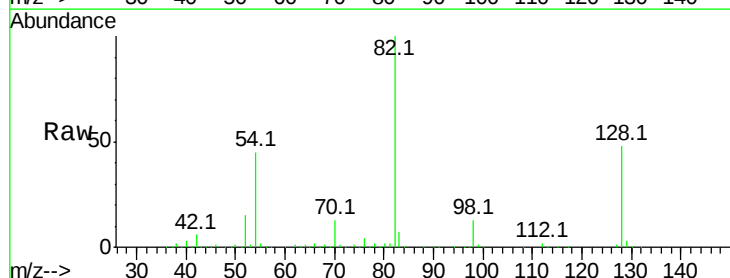
Tgt Ion: 82 Resp: 802798

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

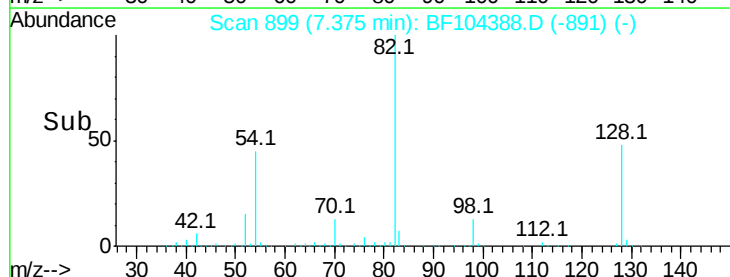
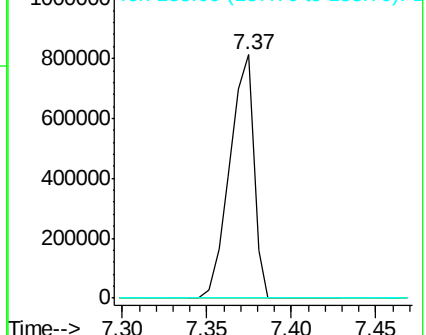
138 0.0 14.9 22.3#

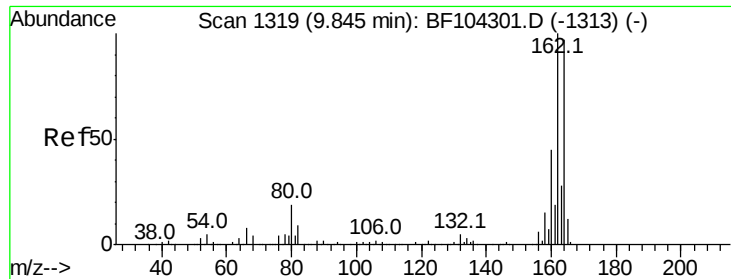


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

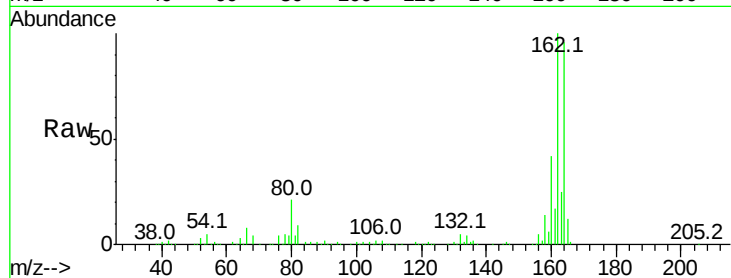




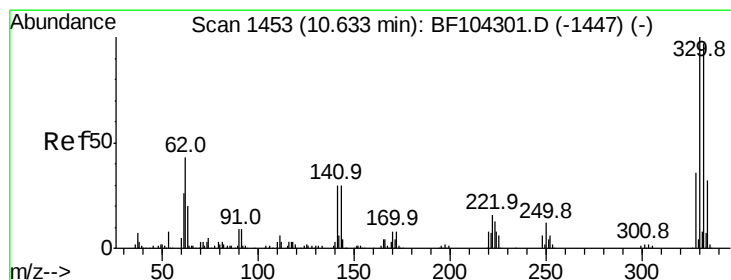
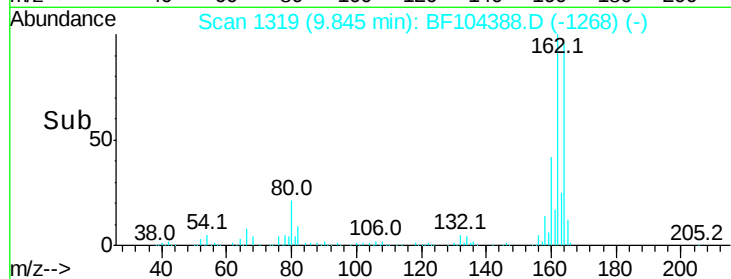
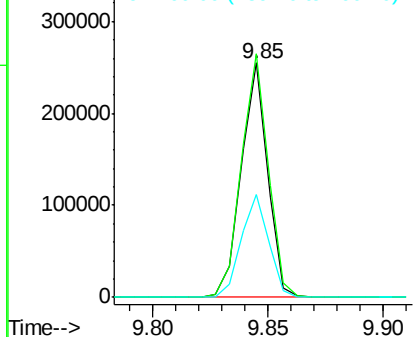
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104388.D
 Acq: 9 Apr 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 202779
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 44.0 38.3 57.5

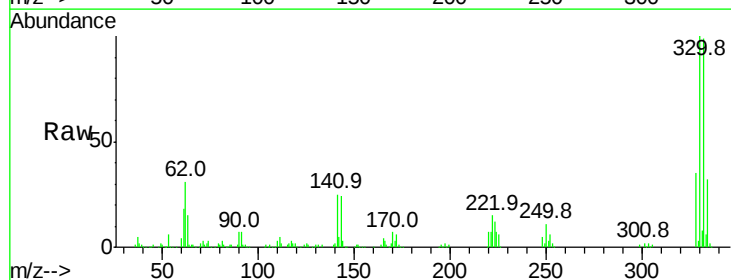


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

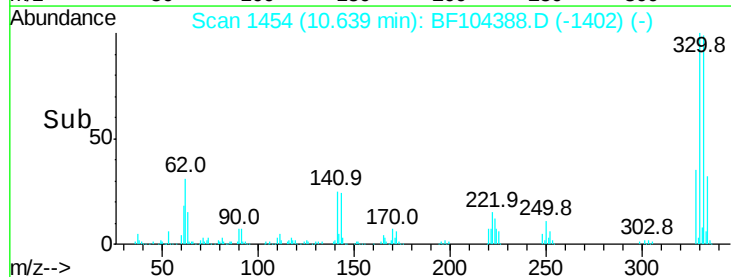
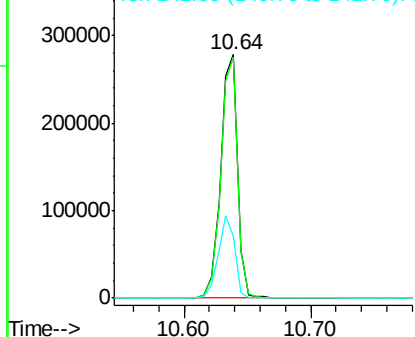


#41
 2,4,6-Tribromophenol
 Concen: 122.930 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.01 min
 Lab File: BF104388.D
 Acq: 9 Apr 2018 23:14

Tgt Ion:330 Resp: 258582
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.0 115.6
 141 33.7 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



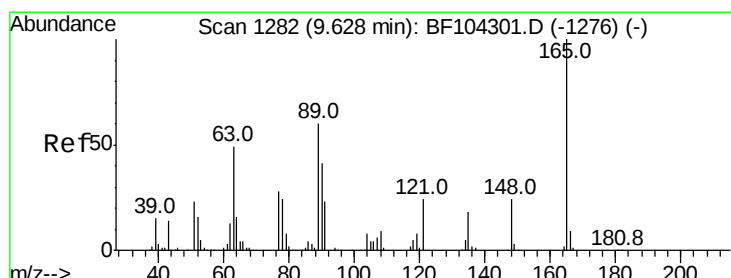
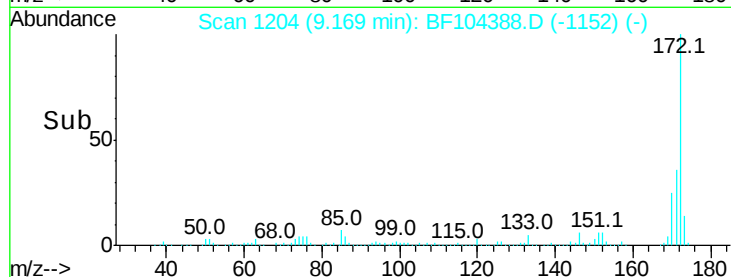
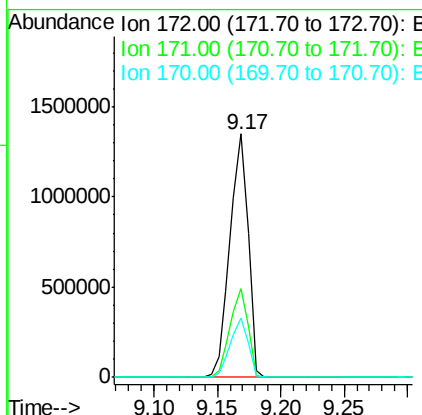
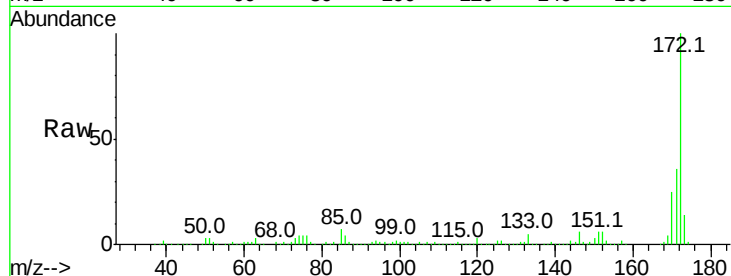


#44
 2-Fluorobiphenyl
 Concen: 104.282 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104388.D
 Acq: 9 Apr 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1338581

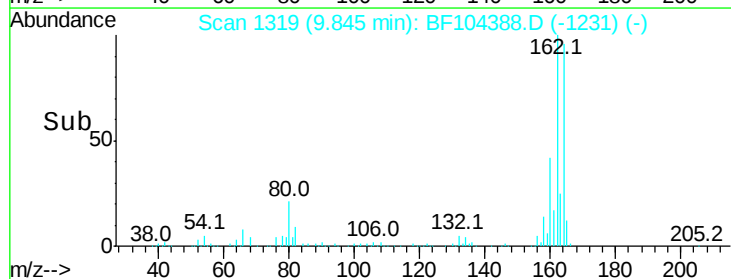
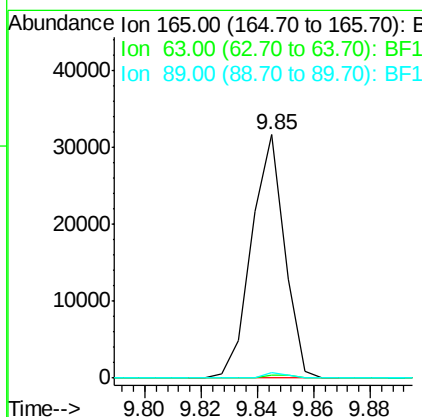
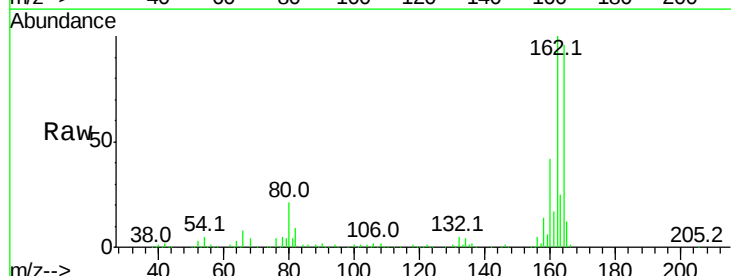
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.5	19.6	29.4

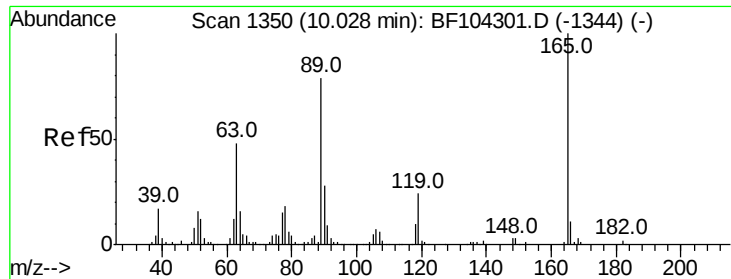


#50
 2,6-Dinitrotoluene
 Concen: 8.654 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.22 min
 Lab File: BF104388.D
 Acq: 9 Apr 2018 23:14

Tgt Ion:165 Resp: 25607

Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	2.1	44.0	66.0#

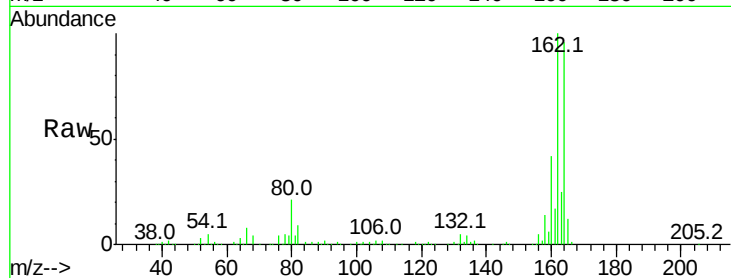




#56
 2,4-Dinitrotoluene
 Concen: 6.598 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.18 min
 Lab File: BF104388.D
 Acq: 9 Apr 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

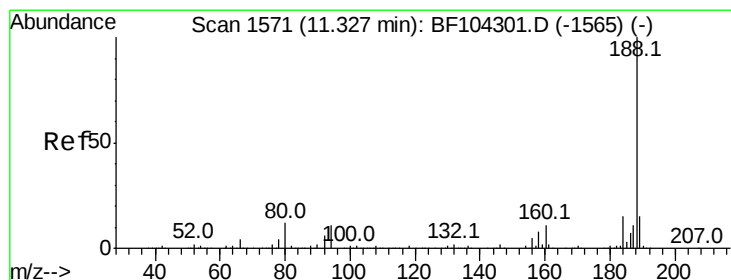
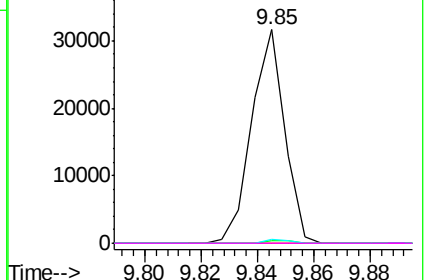
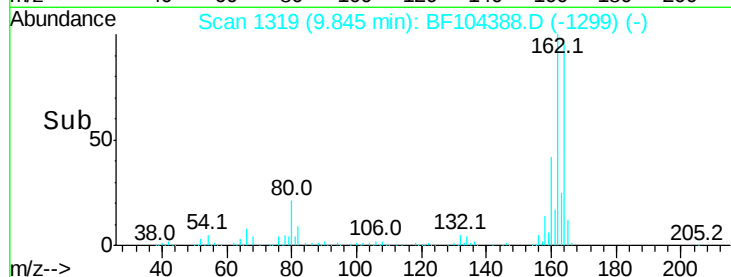


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

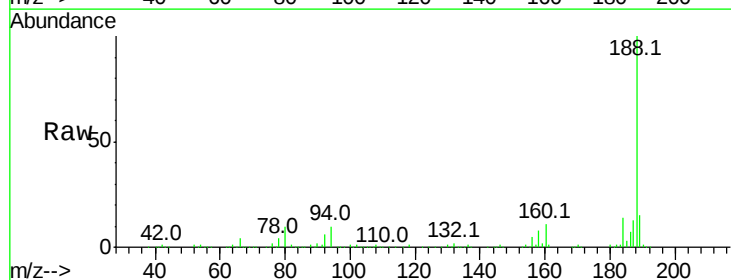
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF104388.D
 Acq: 9 Apr 2018 23:14

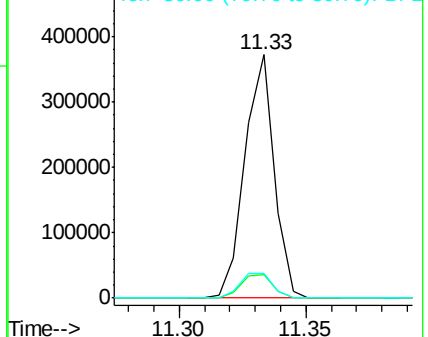
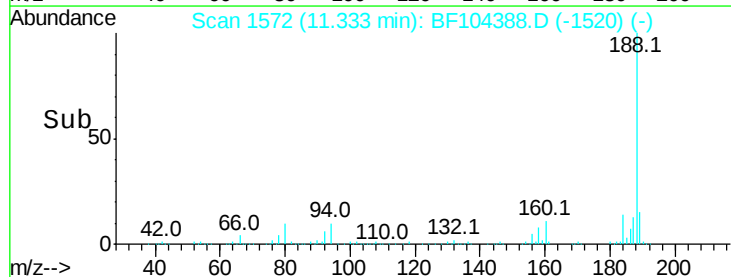
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.4	9.2	13.8

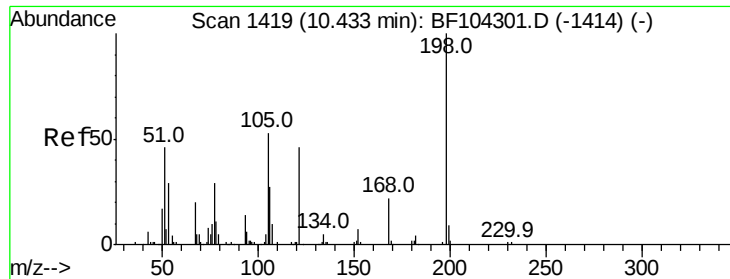


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.636 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.20 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

Instrument :

BNA_F

ClientSampleId :

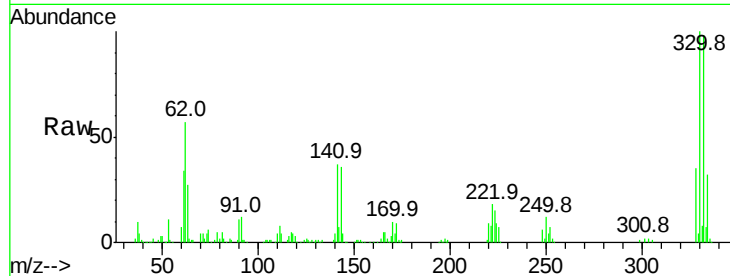
Tot Ion:198 Resp: 498

Ion Ratio Lower Upper

198 100

51 208.5 37.7 77.7#

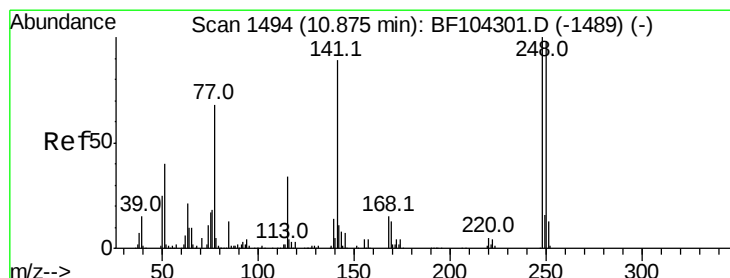
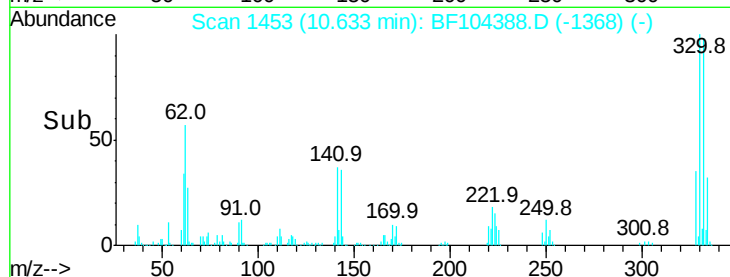
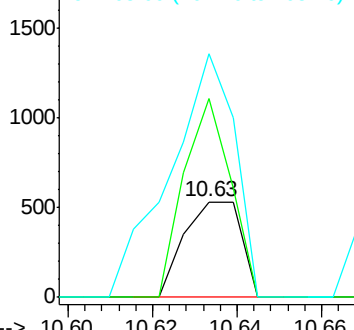
105 255.3 36.3 76.3#



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: 4.848 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

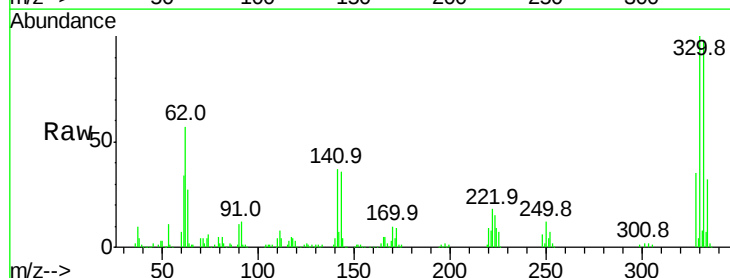
Tgt Ion:248 Resp: 15434

Ion Ratio Lower Upper

248 100

250 196.6 76.9 115.3#

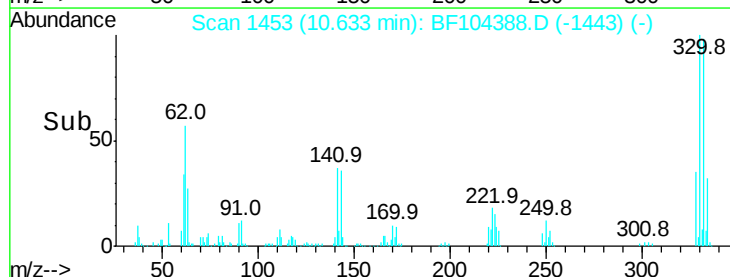
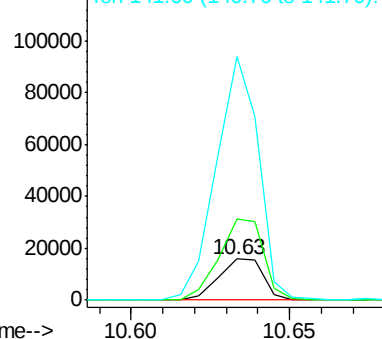
141 591.1 74.4 111.6#

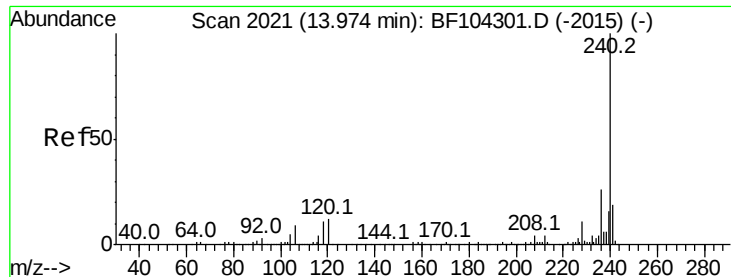


Abundance Ion 248.00 (247.70 to 248.70): E

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. -0.00 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

Instrument :

BNA_F

ClientSampleId :

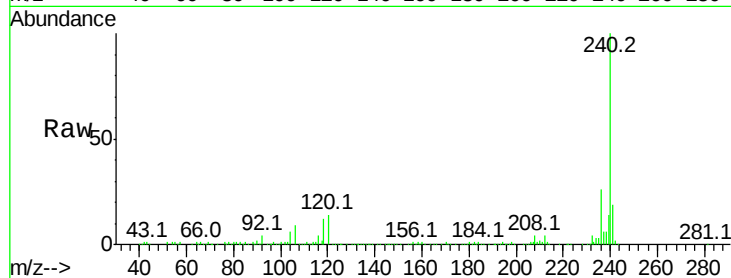
Tot Ion:240 Resp: 260138

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

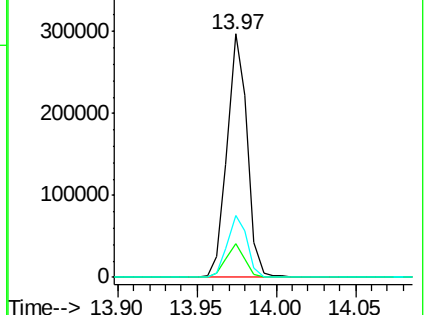
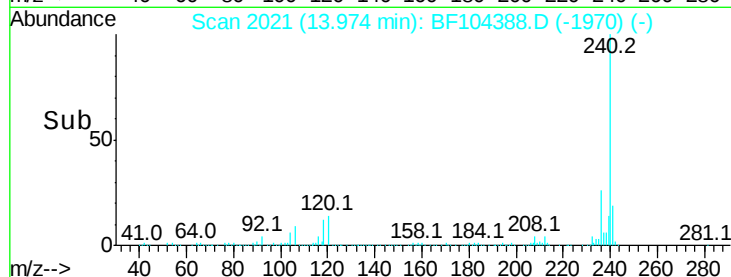
236 25.7 20.7 31.1



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: 90.567 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104388.D

Acq: 9 Apr 2018 23:14

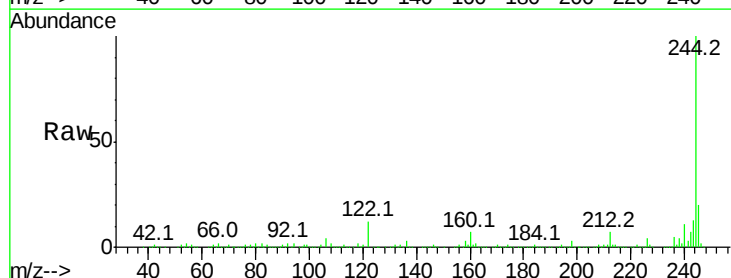
Tgt Ion:244 Resp: 1033411

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

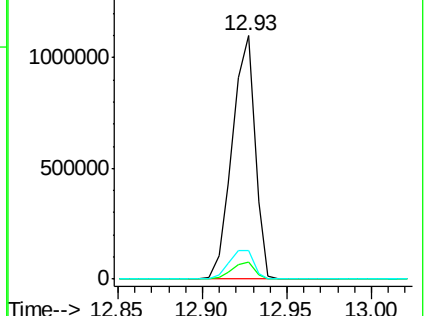
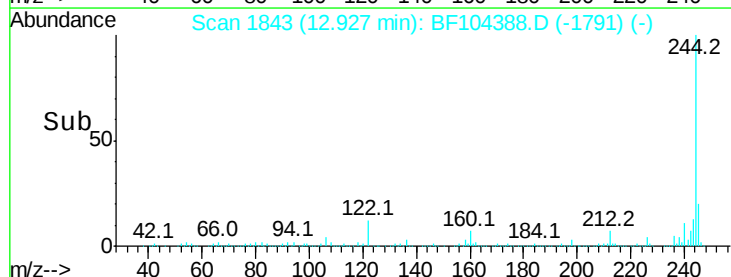
122 11.8 11.0 16.4

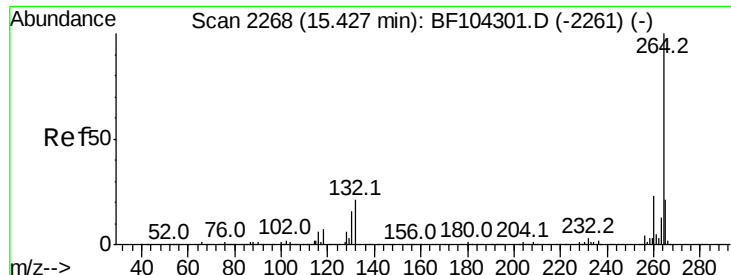


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2270
 Delta R.T. 0.01 min
 Lab File: BF104388.D
 Acq: 9 Apr 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	17.5	26.3

