

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104382.D
 Acq On : 9 Apr 2018 19:42
 Operator : JU/SJ
 Sample : J2157-09 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:18:26 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

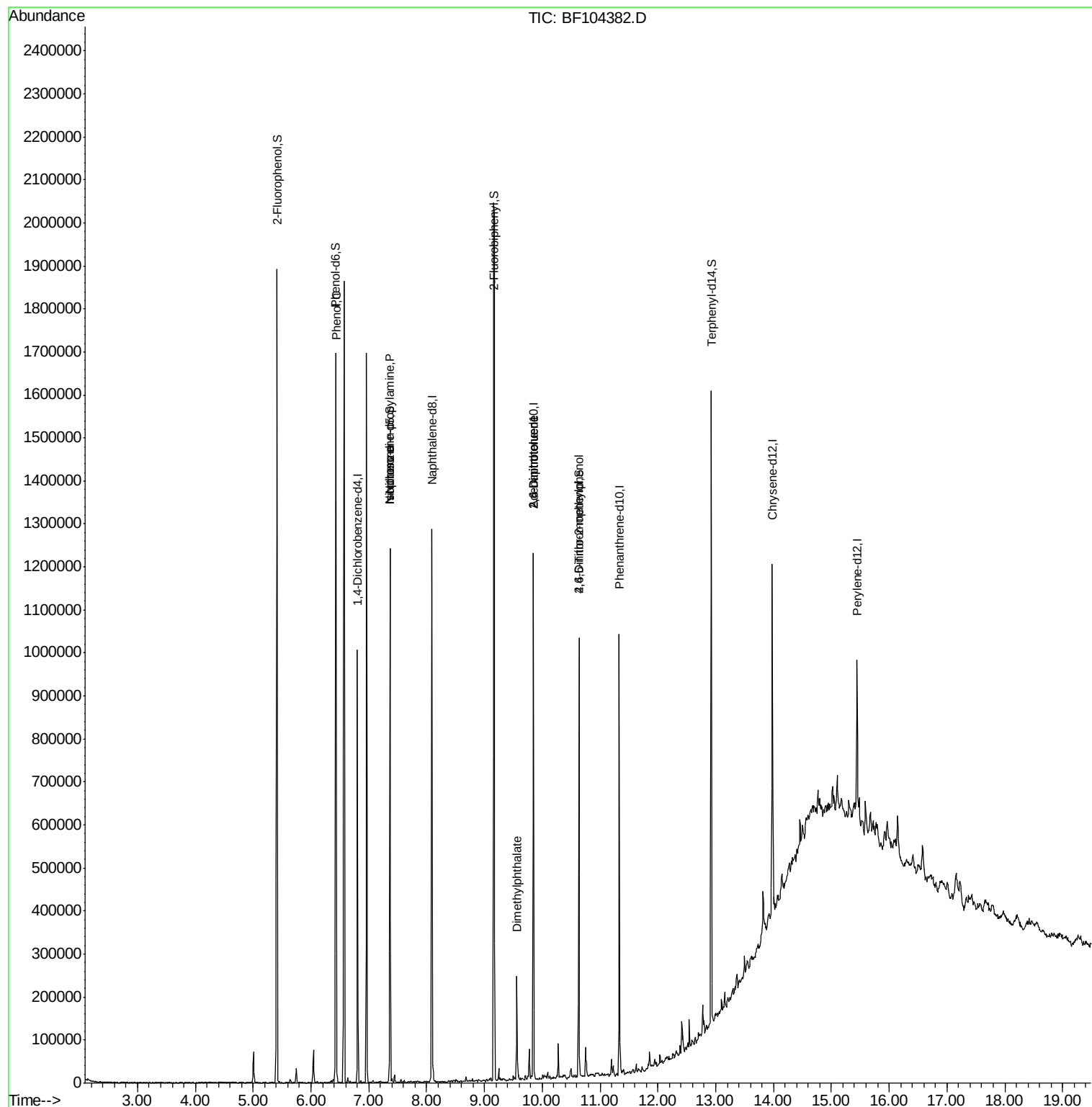
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	144380	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	559720	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	217968	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	319479	20.00	ng	0.00
75) Chrysene-d12	13.98	240	274928	20.00	ng	0.00
86) Perylene-d12	15.44	264	177214	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	520860	55.16	ng	0.00
7) Phenol-d6	6.43	99	638832	55.06	ng	0.00
23) Nitrobenzene-d5	7.37	82	361126	42.13	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	109545	48.45	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	642163	46.54	ng	0.00
78) Terphenyl-d14	12.92	244	468011	38.81	ng	0.00
Target Compounds						
10) Phenol	6.44	94	33154	2.693	ng	96
19) n-Nitroso-di-n-propylamine	7.37	70	46947	6.193	ng	# 74
25) Isophorone	7.37	82	360720	19.900	ng	# 64
49) Dimethylphthalate	9.56	163	85114	4.952	ng	99
50) 2,6-Dinitrotoluene	9.85	165	28383	8.924	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	28383	6.803	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	133	7.419	ng	# 1
76) Benzidine	12.65	184	641	Below Cal	#	1

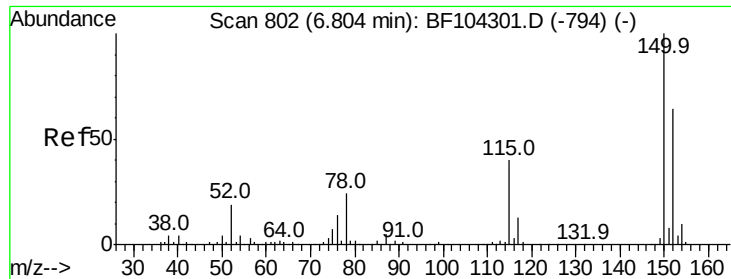
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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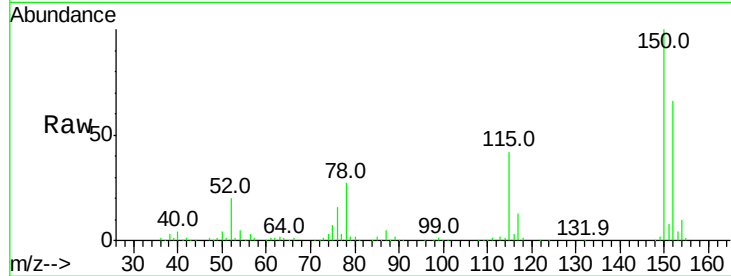


#1

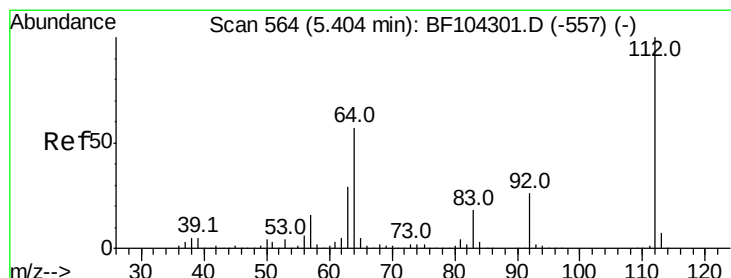
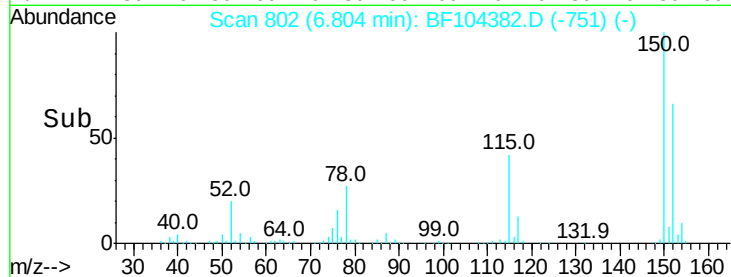
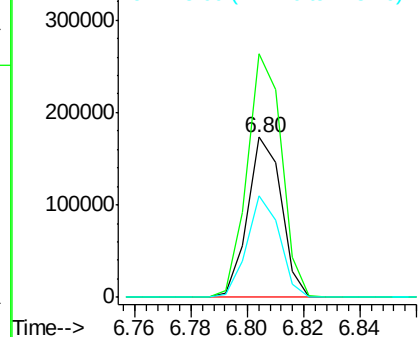
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104382.D
Acq: 9 Apr 2018 19:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144380
Ion Ratio Lower Upper
152 100
150 152.4 124.6 186.8
115 63.6 50.1 75.1



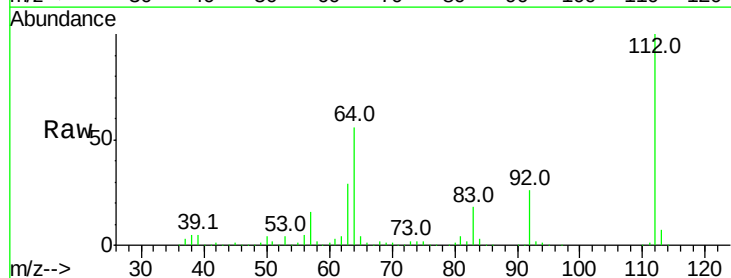
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



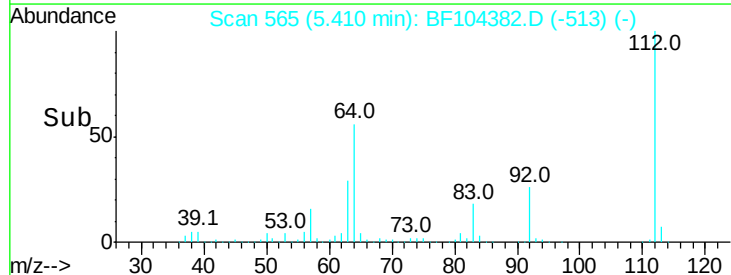
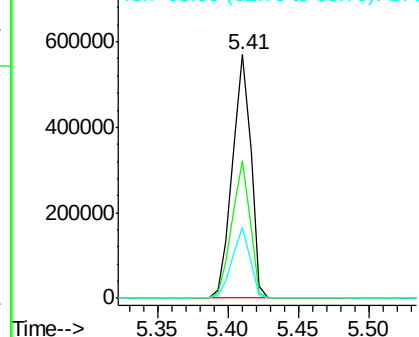
#5

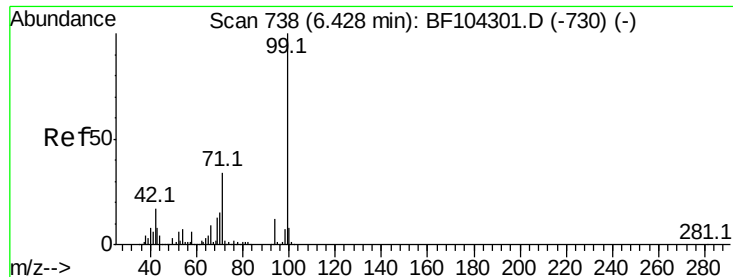
2-Fluorophenol
Concen: 55.162 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF104382.D
Acq: 9 Apr 2018 19:42

Tgt Ion:112 Resp: 520860
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 28.9 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: 55.064 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

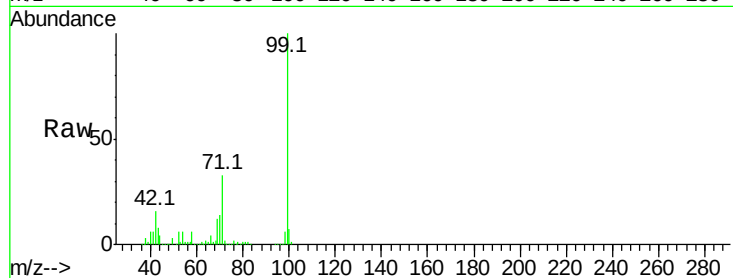
Tot Ion: 99 Resp: 638832

Ion Ratio Lower Upper

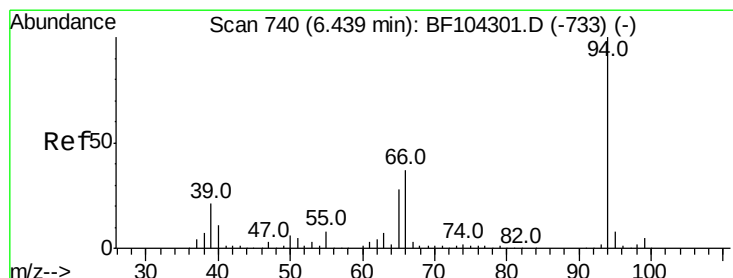
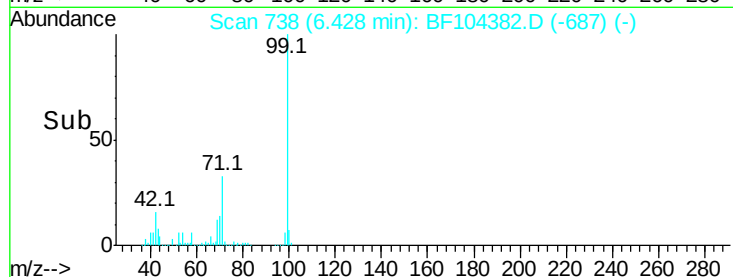
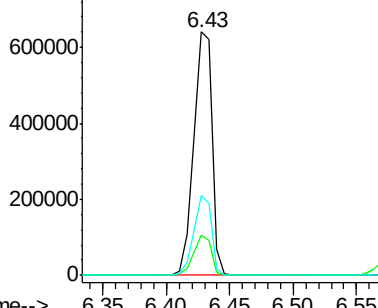
99 100

42 16.2 14.5 21.7

71 32.6 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



#10

Phenol

Concen: 2.693 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

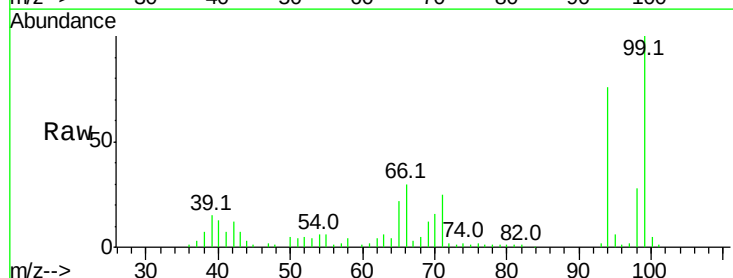
Tgt Ion: 94 Resp: 33154

Ion Ratio Lower Upper

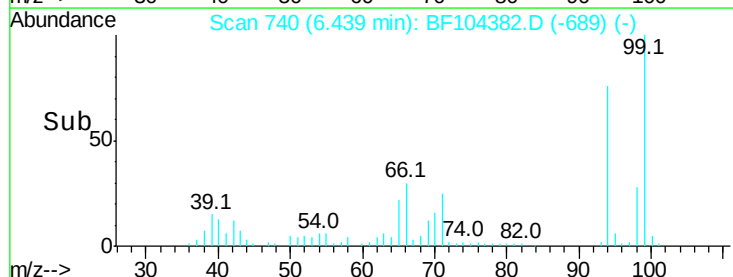
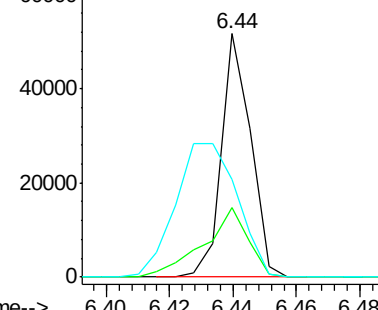
94 100

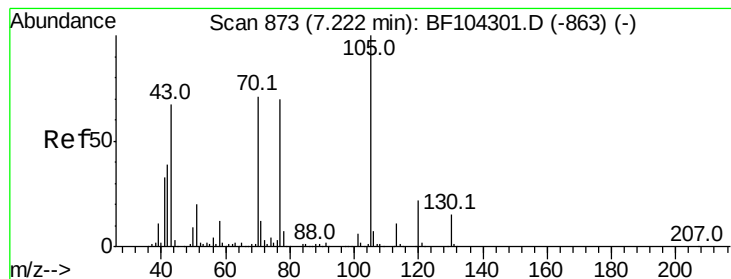
65 28.7 7.9 47.9

66 40.0 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





#19

n-Nitroso-di-n-propylamine

Concen: 6.193 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 46947

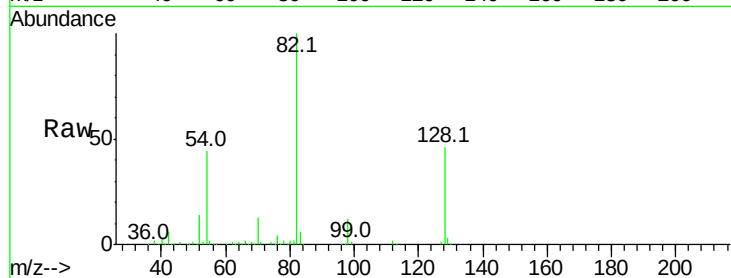
Ion Ratio Lower Upper

70 100

42 43.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

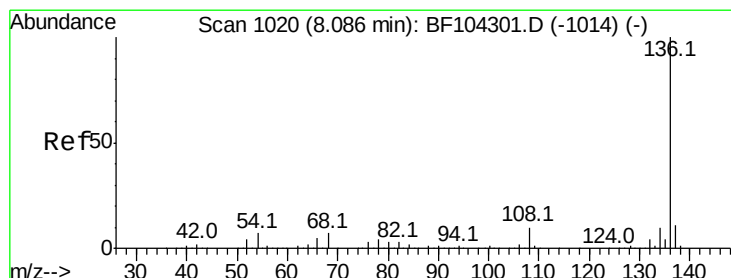
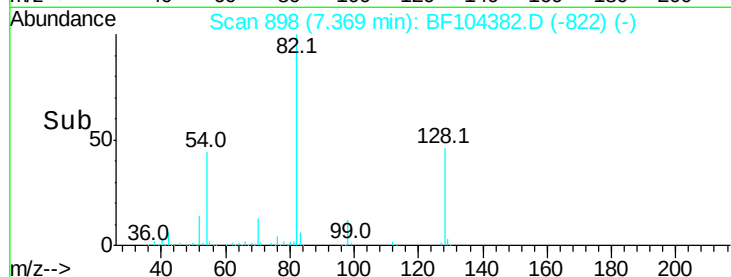
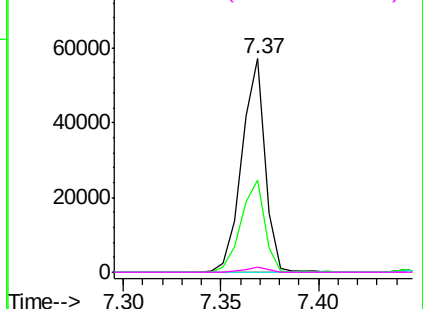


Abundance Ion 70.00 (69.70 to 70.70): BF1

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# 1021

Delta R.T. 0.01 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

Tgt Ion:136 Resp: 559720

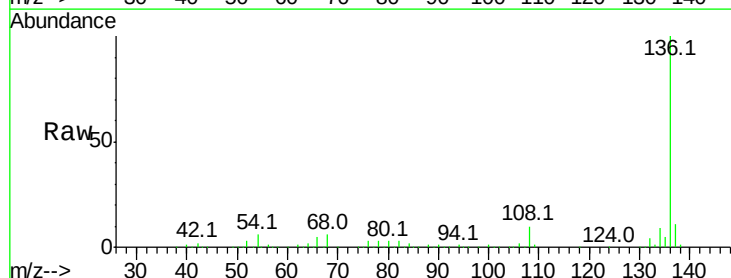
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.5 6.6 9.8#

68 5.8 5.0 7.4

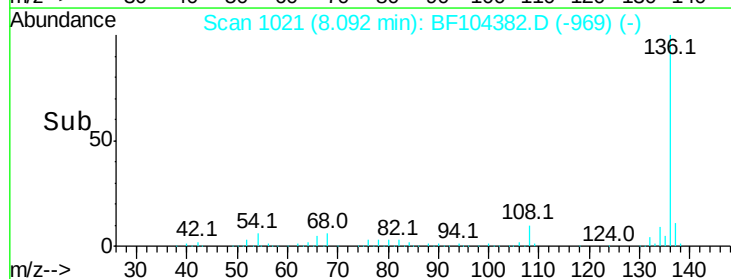
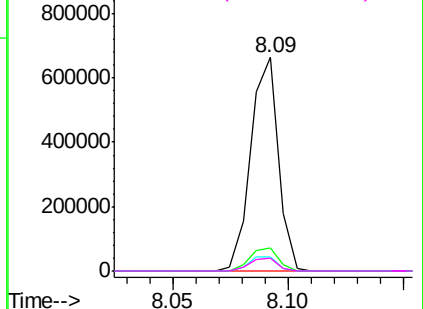


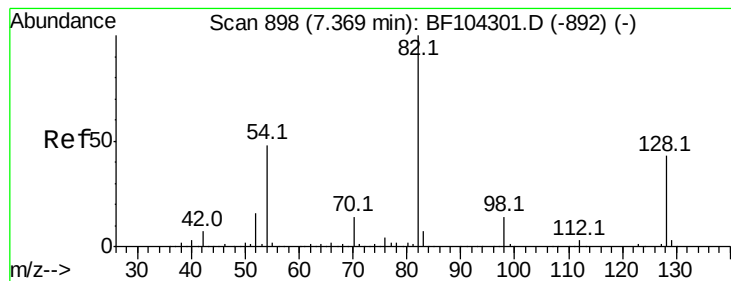
Abundance Ion 136.00 (135.70 to 136.70): BF1

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: 42.130 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

Instrument :

BNA_F

ClientSampled :

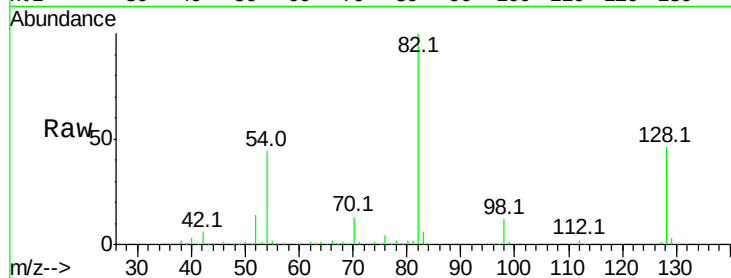
Tot Ion: 82 Resp: 361126

Ion Ratio Lower Upper

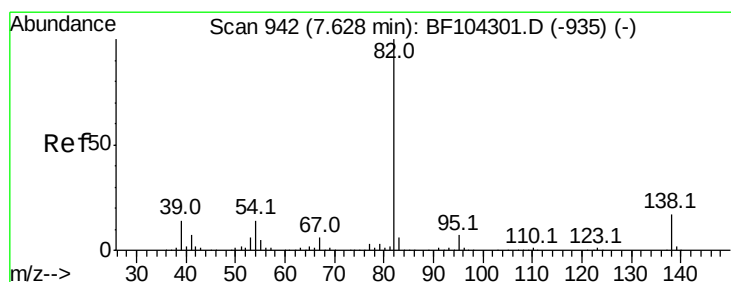
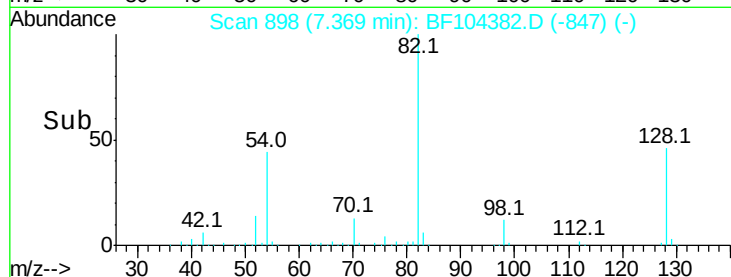
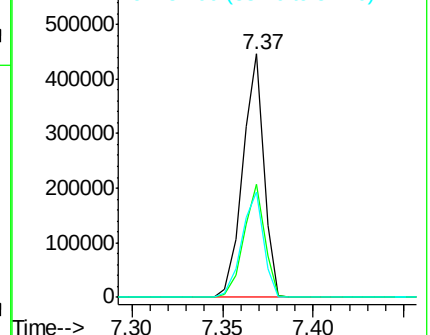
82 100

128 46.2 36.1 54.1

54 43.5 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: 19.900 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

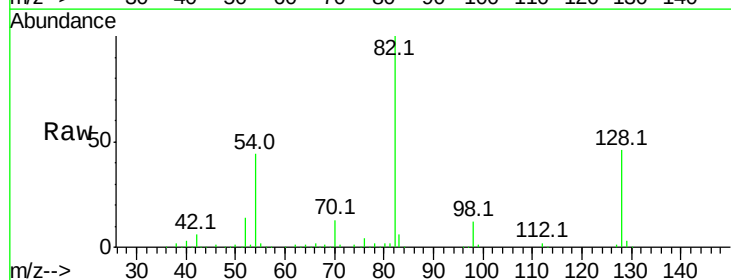
Tgt Ion: 82 Resp: 360720

Ion Ratio Lower Upper

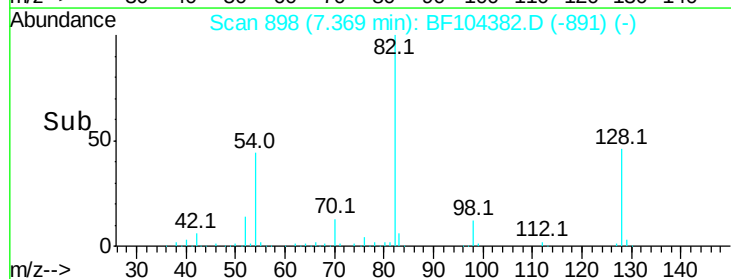
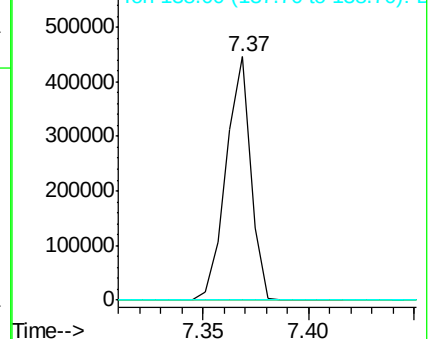
82 100

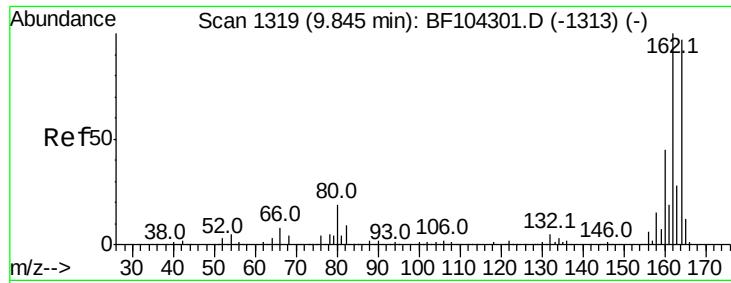
95 0.0 5.2 7.8#

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

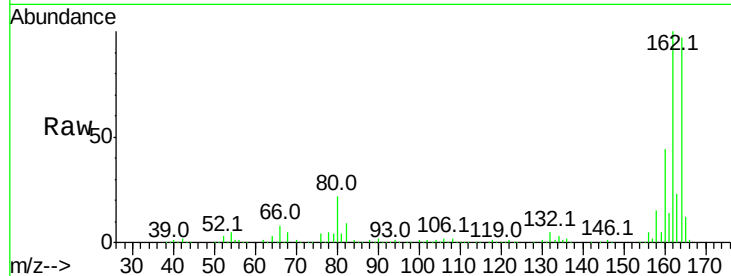




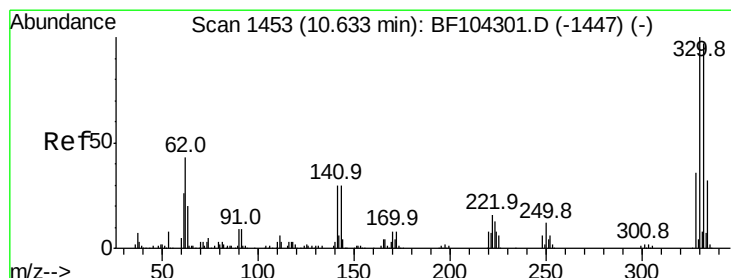
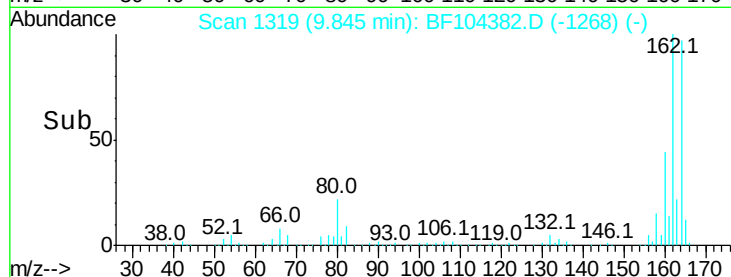
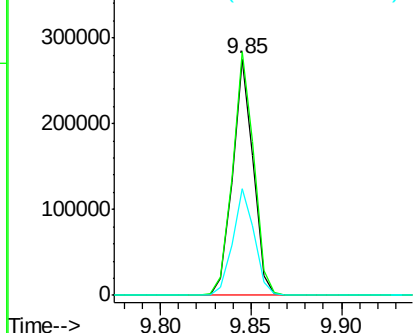
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104382.D
 Acq: 9 Apr 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 217968
 Ion Ratio Lower Upper
 164 100
 162 103.2 86.1 129.1
 160 45.4 38.3 57.5

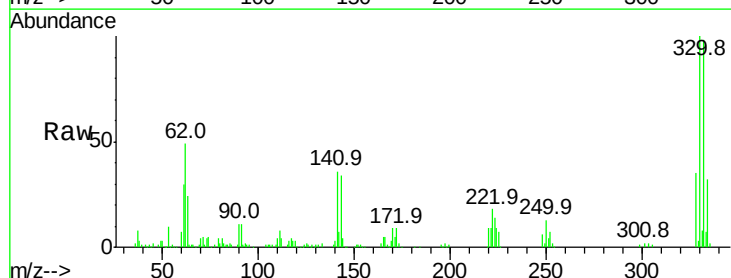


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

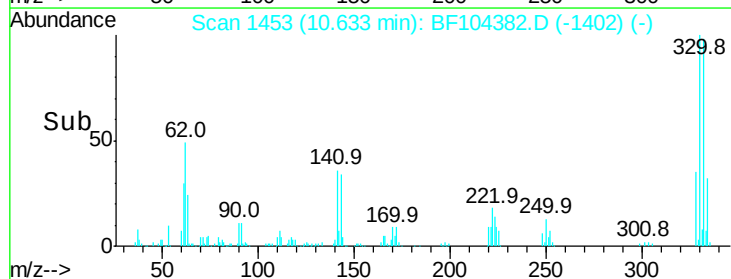
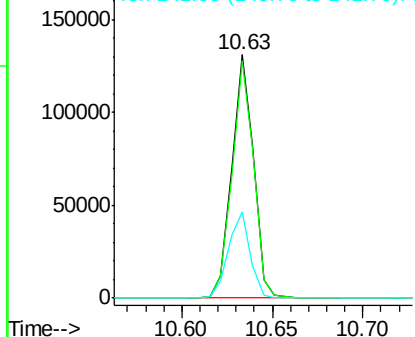


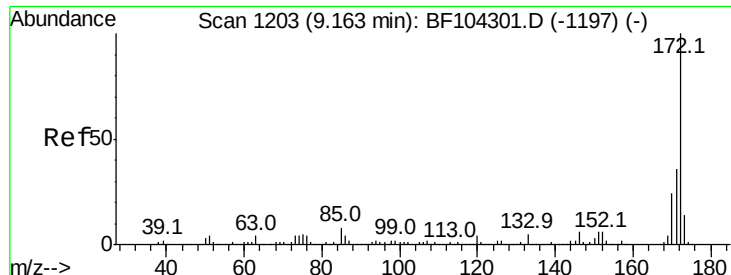
#41
 2,4,6-Tribromophenol
 Concen: 48.449 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104382.D
 Acq: 9 Apr 2018 19:42

Tgt Ion:330 Resp: 109545
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 36.0 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

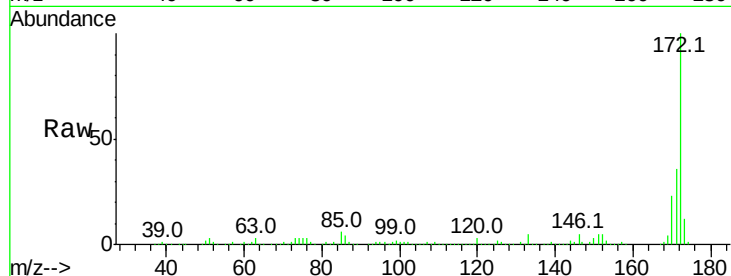




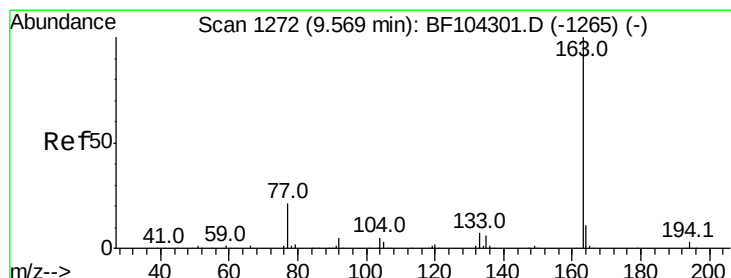
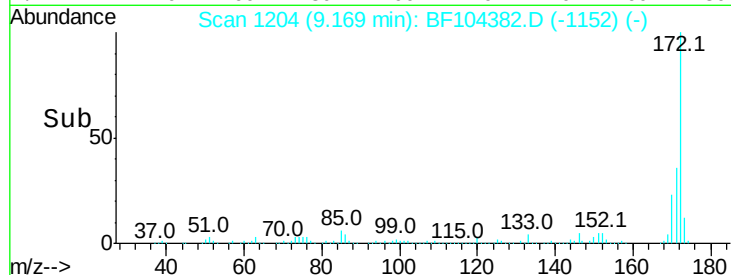
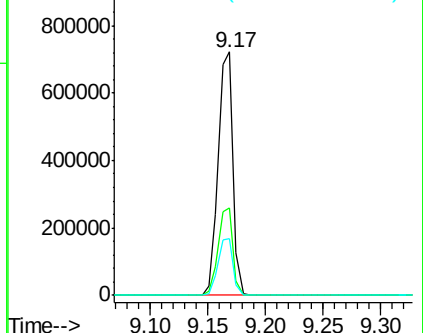
#44
2-Fluorobiphenyl
Concen: 46.542 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF104382.D
Acq: 9 Apr 2018 19:42

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 642163
Ion Ratio Lower Upper
172 100
171 35.7 29.7 44.5
170 23.4 19.6 29.4

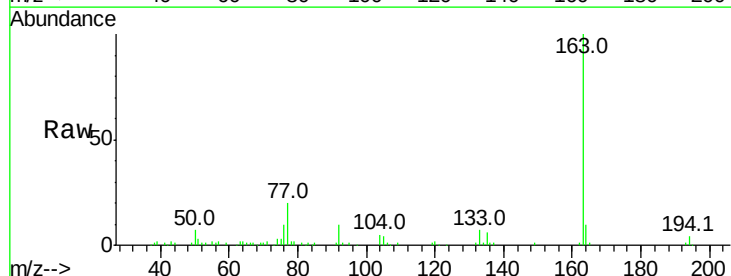


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

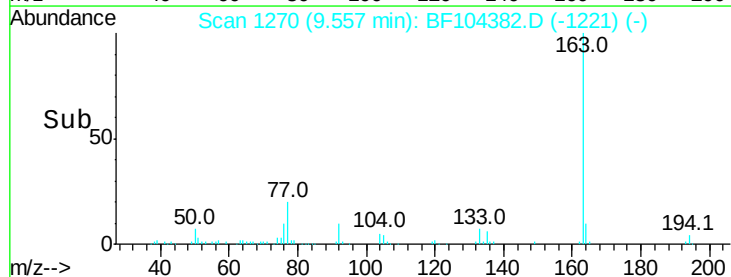
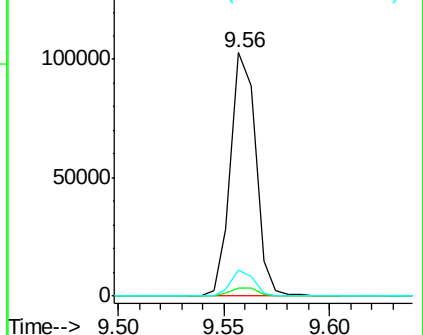


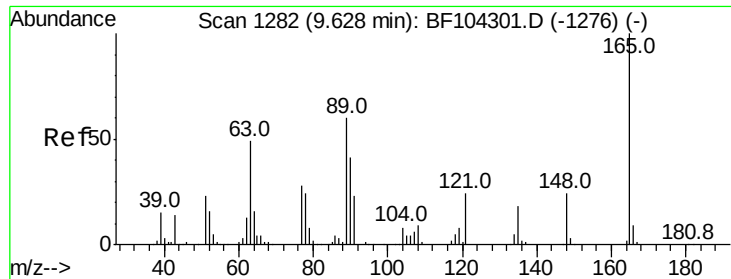
#49
Dimethylphthalate
Concen: 4.952 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104382.D
Acq: 9 Apr 2018 19:42

Tgt Ion:163 Resp: 85114
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.4 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: 8.924 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.22 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

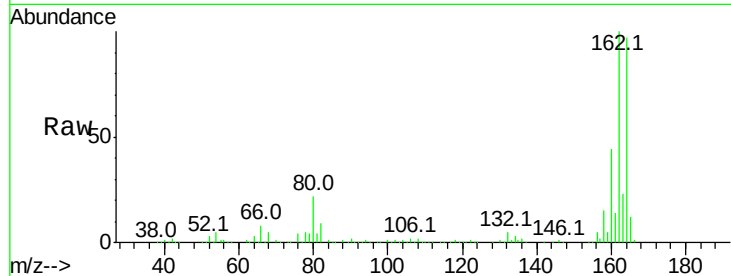
Tot Ion:165 Resp: 28383

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

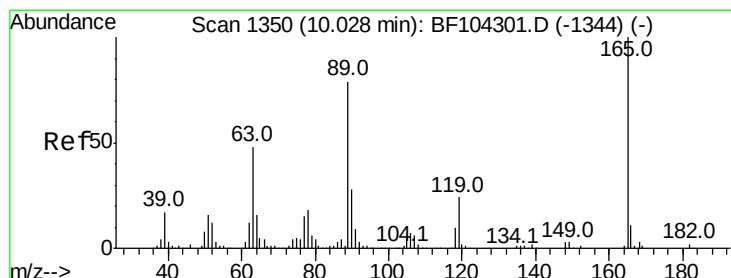
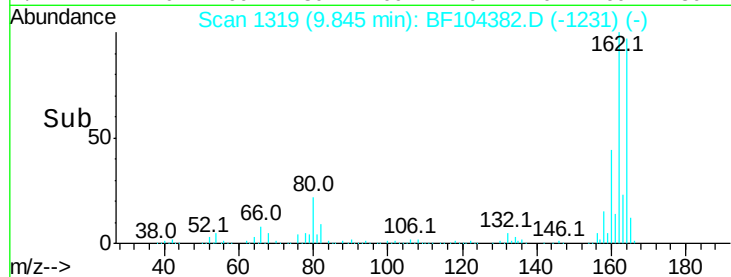
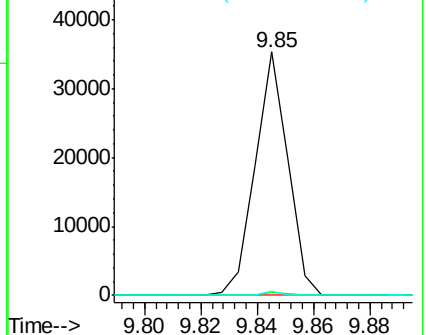
89 1.8 44.0 66.0#



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: 6.803 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.18 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

Tgt Ion:165 Resp: 28383

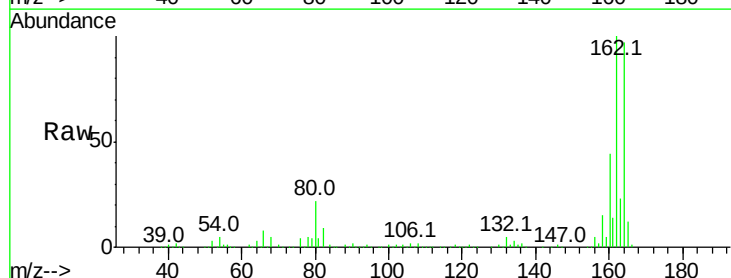
Ion Ratio Lower Upper

165 100

63 1.5 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

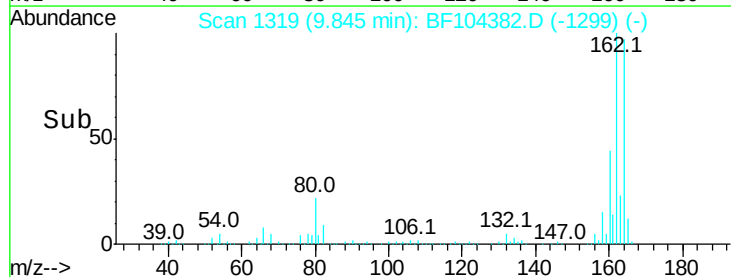
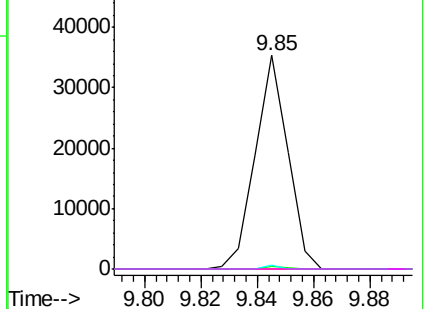


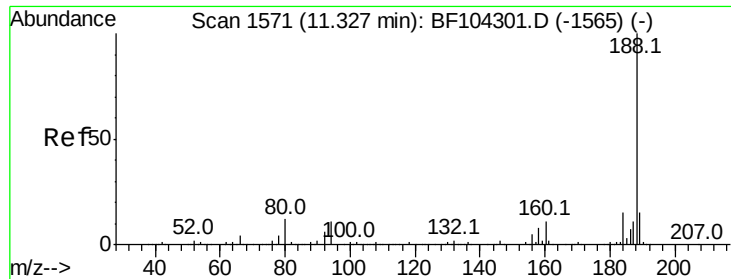
Abundance Ion 165.00 (164.70 to 165.70): E

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

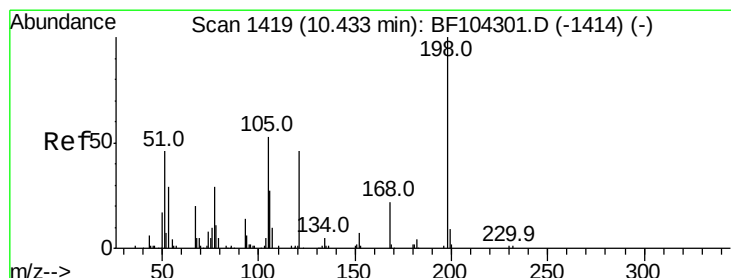
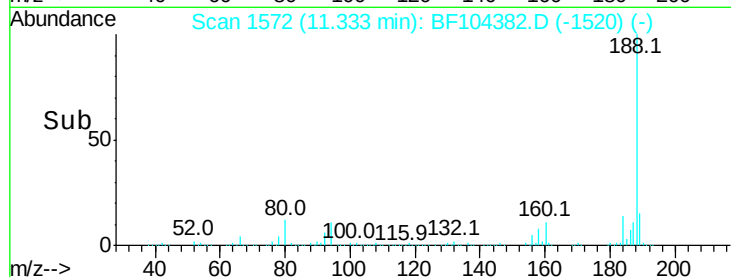
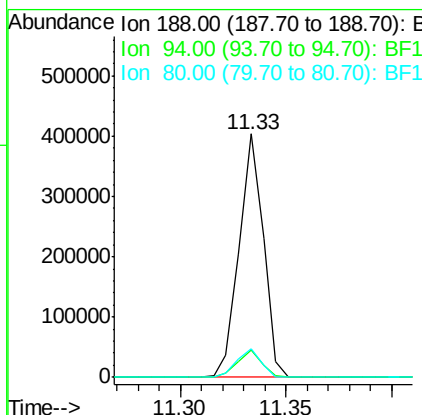
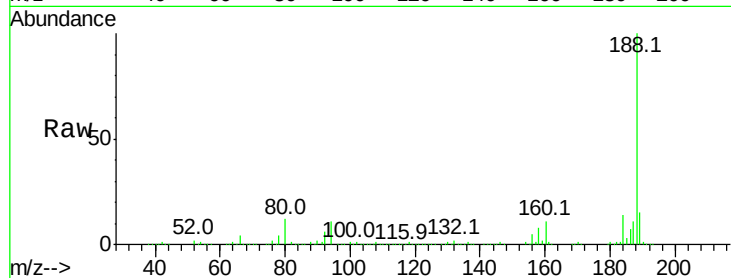




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF104382.D
 Acq: 9 Apr 2018 19:42

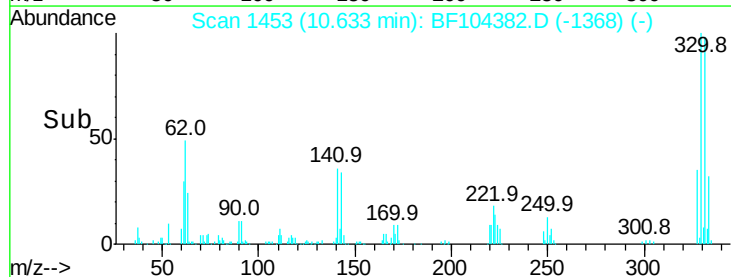
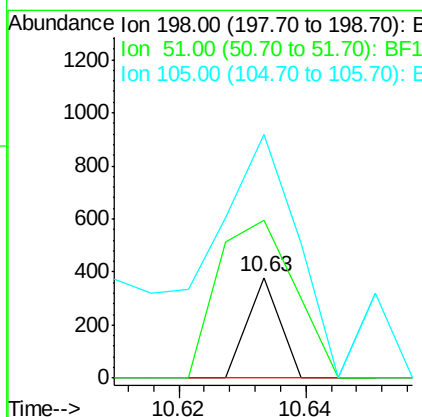
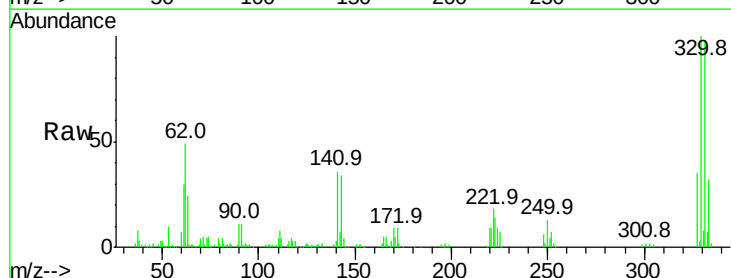
Instrument :
 BNA_F
 ClientSampled :

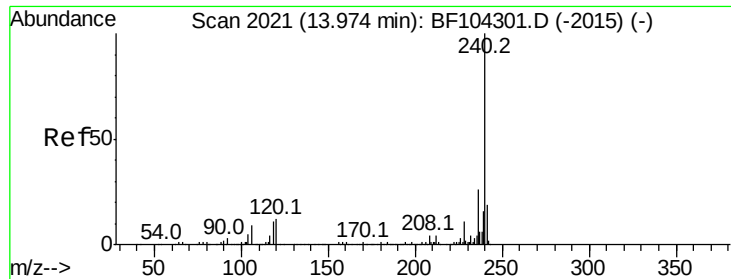
Tot Ion:188 Resp: 319479
 Ion Ratio Lower Upper
 188 100
 94 11.1 8.5 12.7
 80 11.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.419 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.20 min
 Lab File: BF104382.D
 Acq: 9 Apr 2018 19:42

Tgt Ion:198 Resp: 133
 Ion Ratio Lower Upper
 198 100
 51 157.4 37.7 77.7#
 105 242.9 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

Instrument :

BNA_F

ClientSampleId :

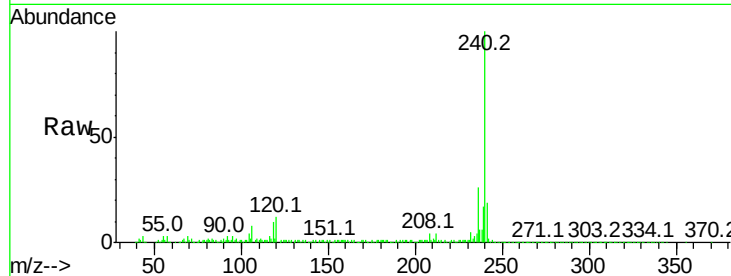
Tot Ion:240 Resp: 274928

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

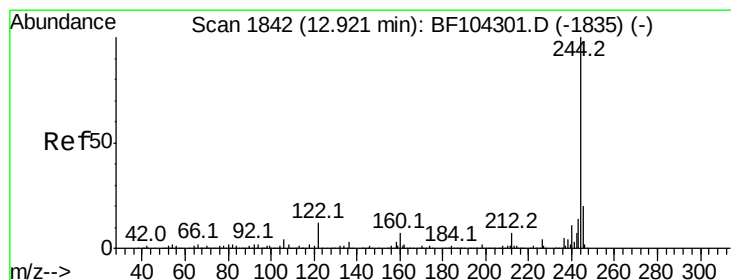
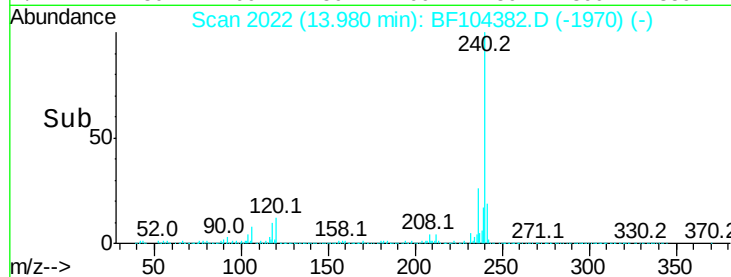
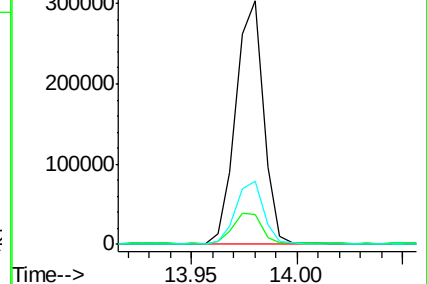
236 26.1 20.7 31.1



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: 38.810 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104382.D

Acq: 9 Apr 2018 19:42

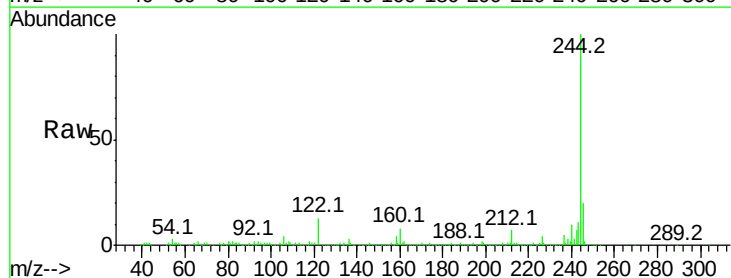
Tgt Ion:244 Resp: 468011

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

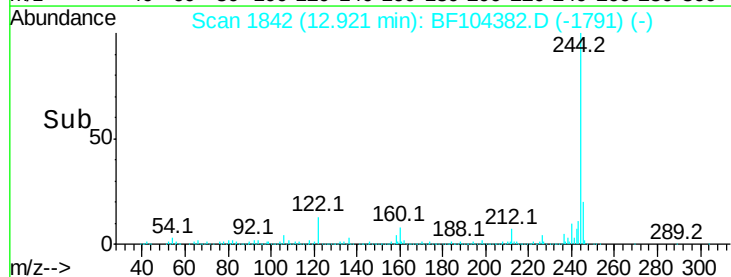
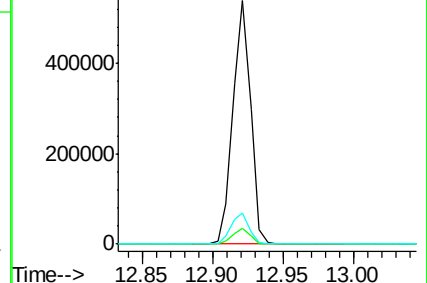
122 12.7 11.0 16.4

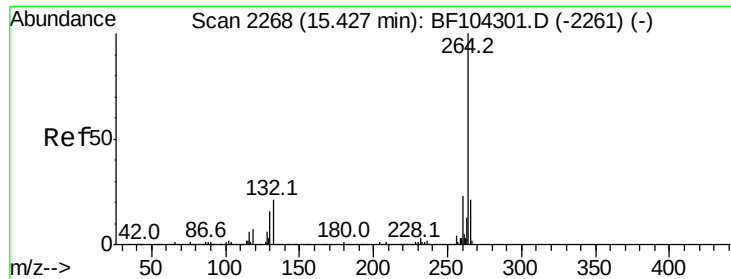


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

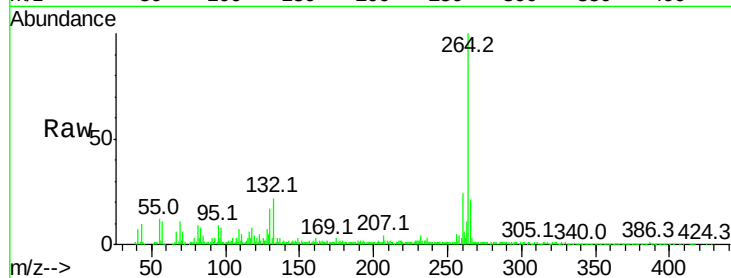




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.02 min
 Lab File: BF104382.D
 Acq: 9 Apr 2018 19:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	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

