

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104507.D
 Acq On : 14 Apr 2018 6:11
 Operator : JU/SJ
 Sample : J2368-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 06:47:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

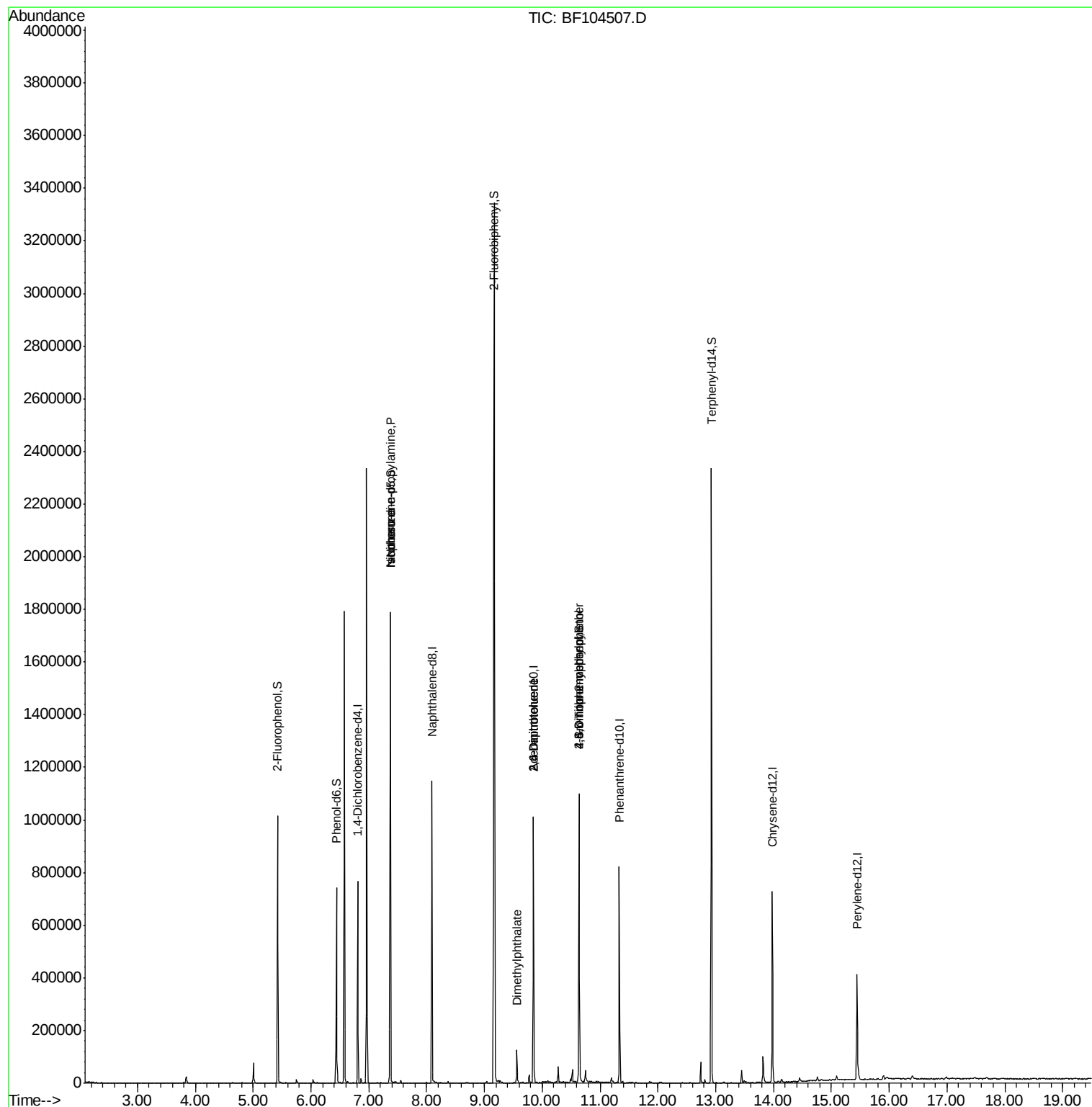
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	115571	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	470944	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	201371	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	309682	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	229059	20.00	ng	-0.01
86) Perylene-d12	15.44	264	186778	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	271626	35.94	ng	0.00
7) Phenol-d6	6.44	99	232314	25.02	ng	0.00
23) Nitrobenzene-d5	7.37	82	583964	80.97	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	132701	63.53	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1041170	81.68	ng	0.00
78) Terphenyl-d14	12.93	244	780588	77.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	75978	12.520	ng	# 74
25) Isophorone	7.37	82	583960	38.289	ng	# 64
49) Dimethylphthalate	9.56	163	54830	3.453	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	26424	8.993	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	26424	6.856	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	128	7.419	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	7735	2.348	ng	# 1
76) Benzidine	12.93	184	9839	Below Cal		# 97

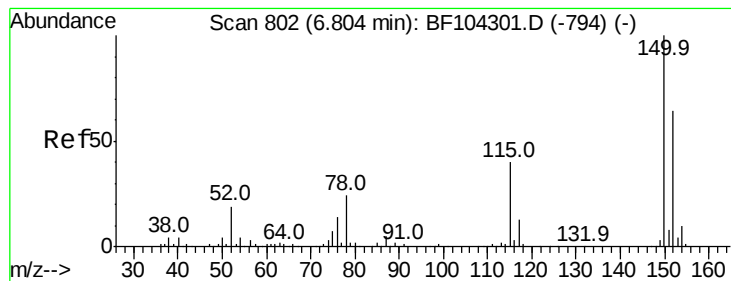
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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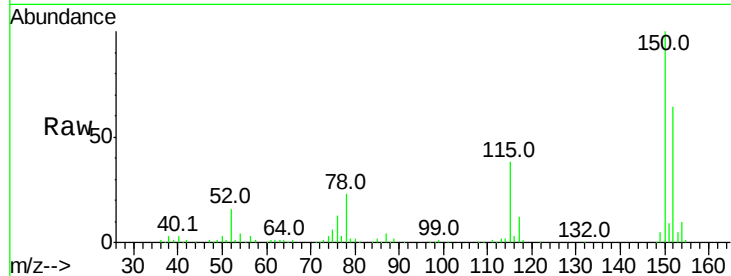


#1

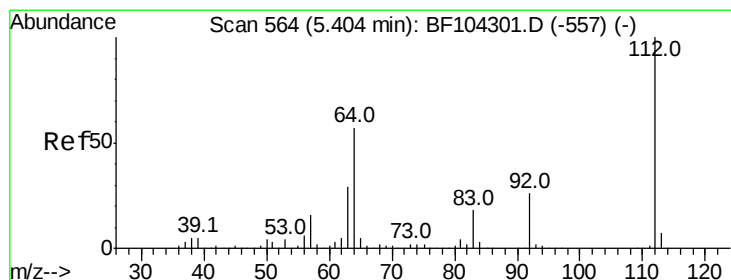
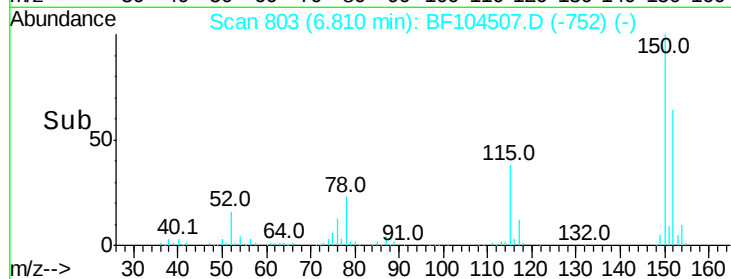
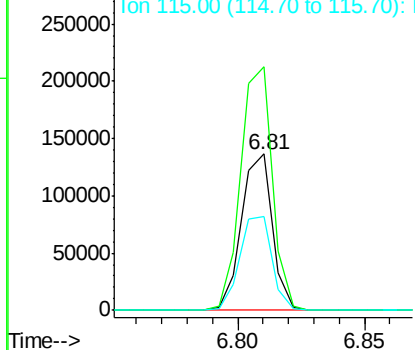
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104507.D
Acq: 14 Apr 2018 6:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115571
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 59.7 50.1 75.1



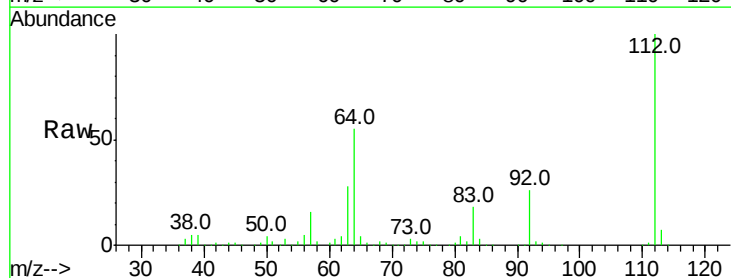
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



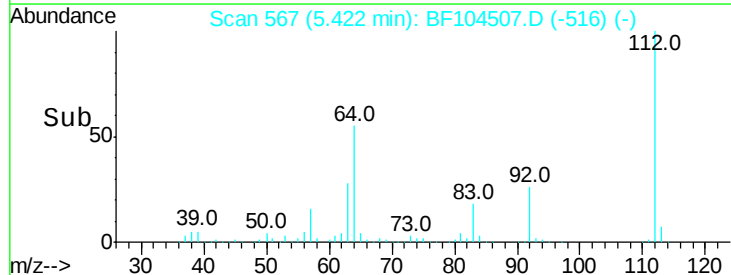
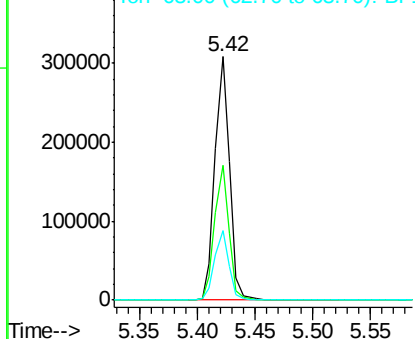
#5

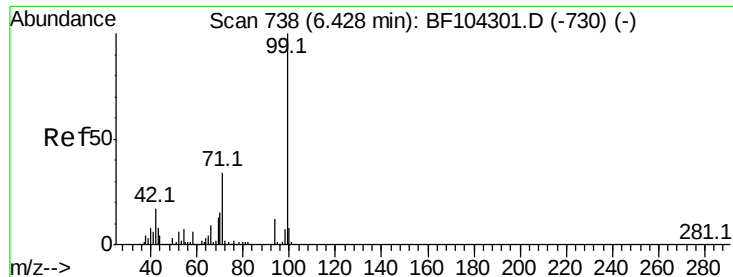
2-Fluorophenol
Concen: 35.937 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.00 min
Lab File: BF104507.D
Acq: 14 Apr 2018 6:11

Tgt Ion:112 Resp: 271626
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: 25.016 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

Instrument :

BNA_F

ClientSampleId :

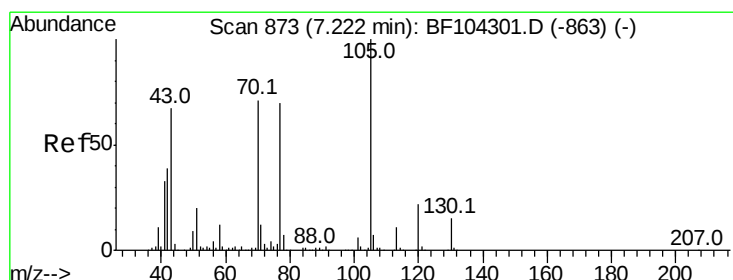
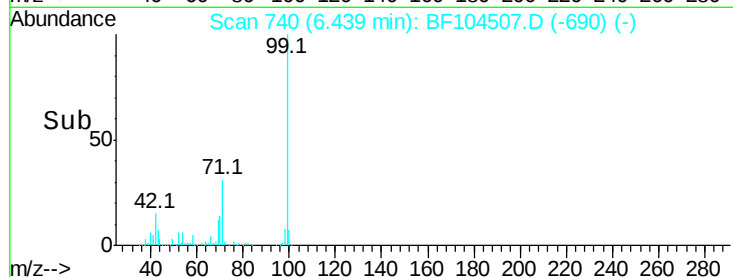
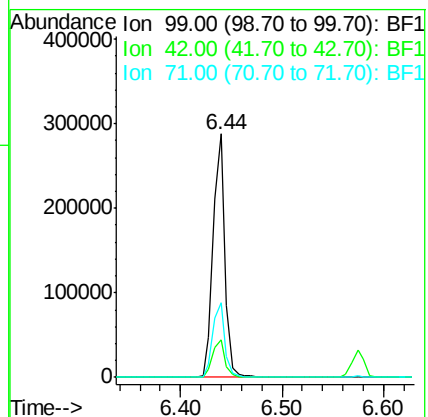
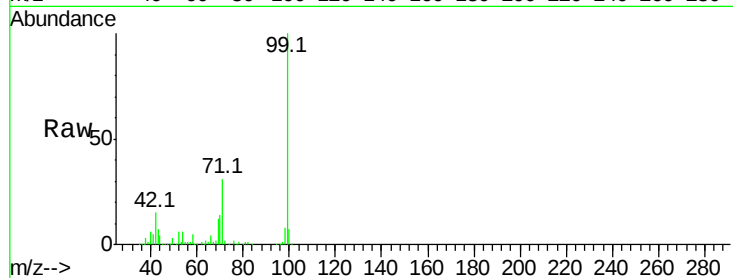
Tot Ion: 99 Resp: 232314

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

71 30.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.520 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

Tgt Ion: 70 Resp: 75978

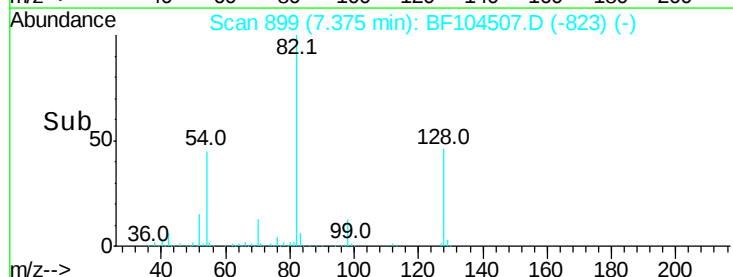
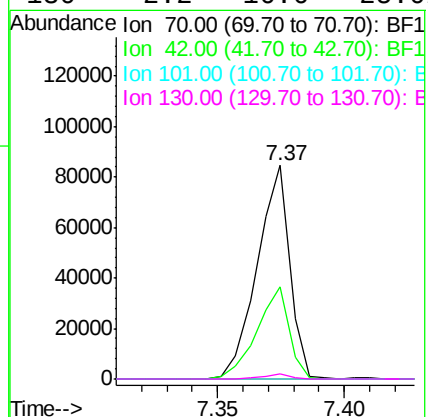
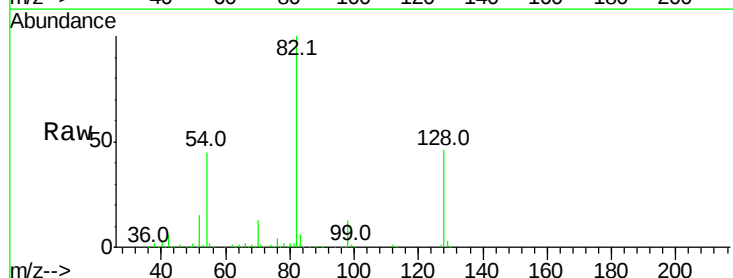
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 470944

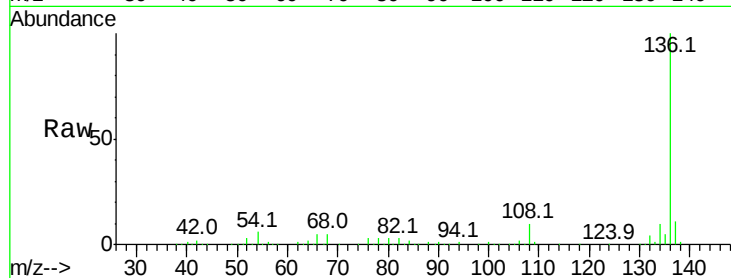
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.4 6.6 9.8#

68 5.2 5.0 7.4

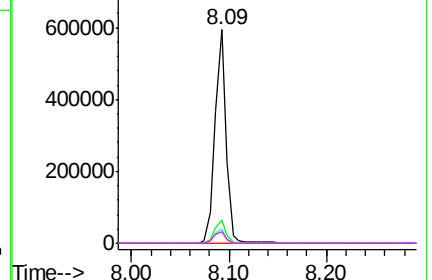
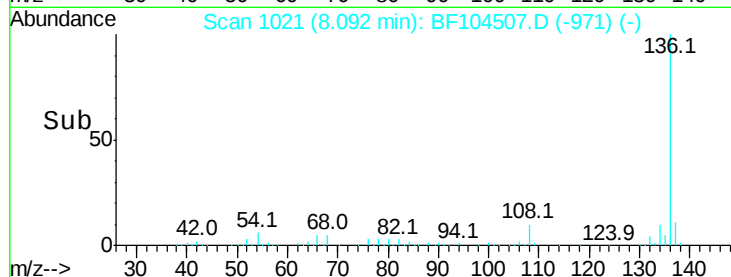


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.969 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

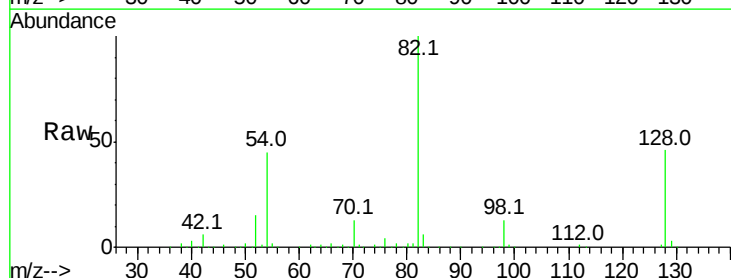
Tgt Ion: 82 Resp: 583964

Ion Ratio Lower Upper

82 100

128 46.2 36.1 54.1

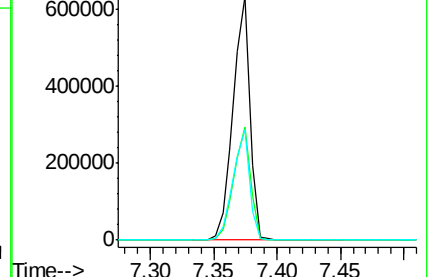
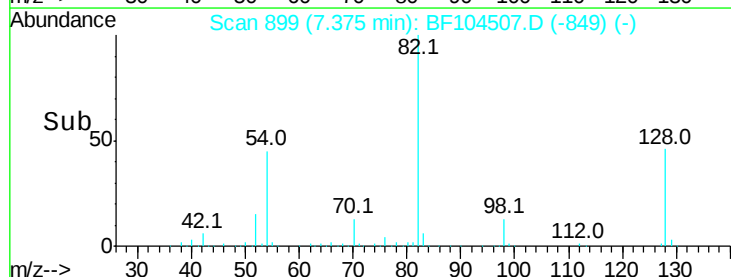
54 45.4 41.4 62.2

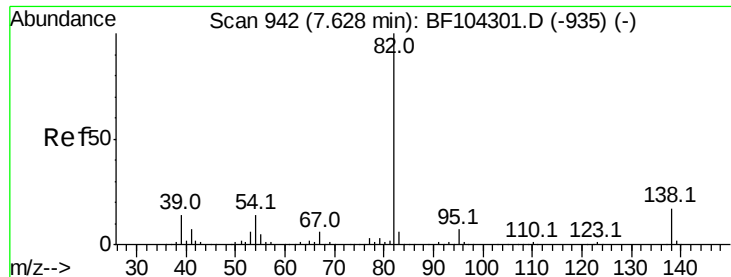


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.289 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

Instrument :

BNA_F

ClientSampleId :

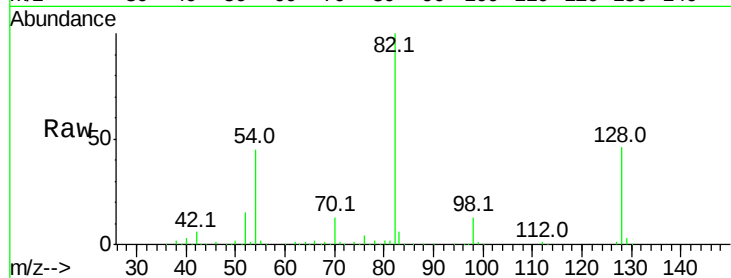
Tot Ion: 82 Resp: 583960

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

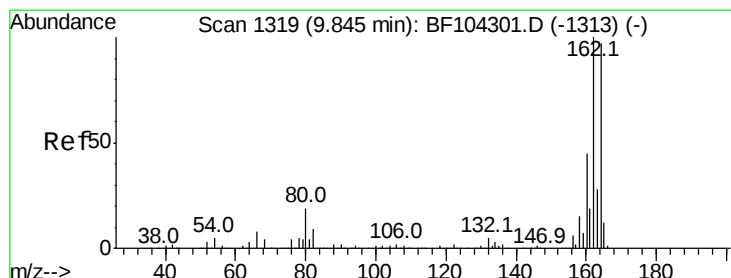
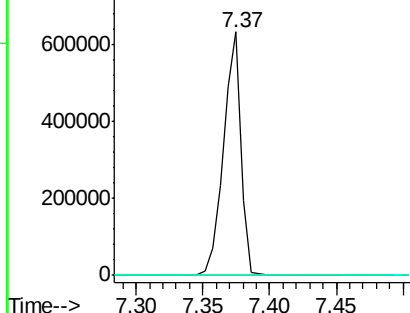
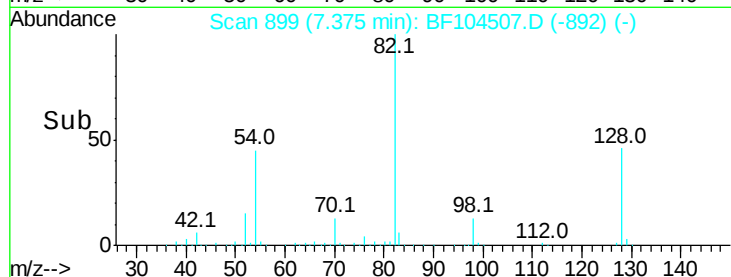
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

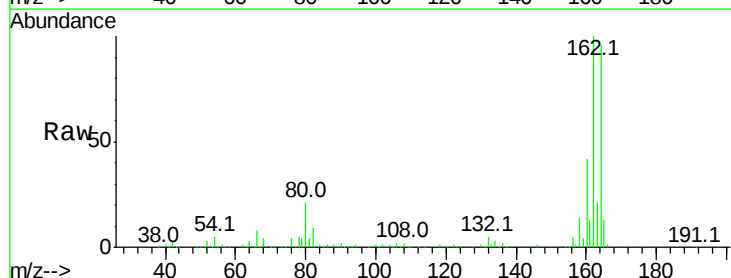
Tgt Ion:164 Resp: 201371

Ion Ratio Lower Upper

164 100

162 104.3 86.1 129.1

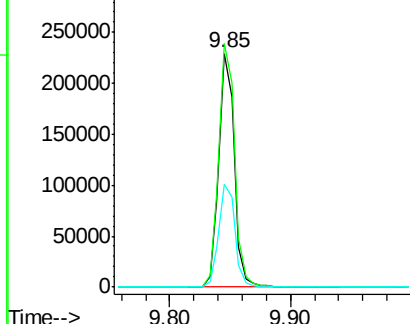
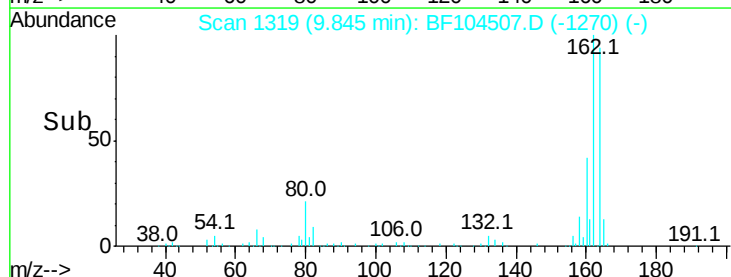
160 43.9 38.3 57.5



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

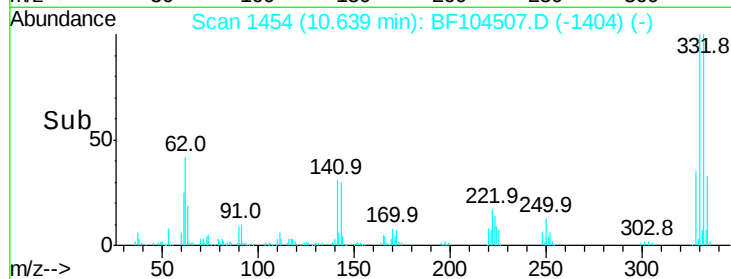
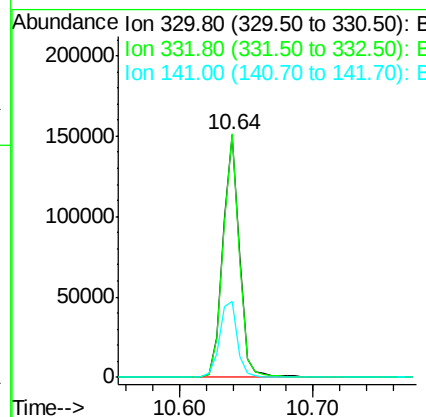
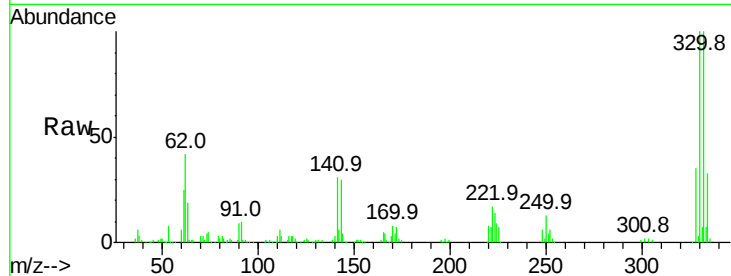




#41
 2,4,6-Tribromophenol
 Concen: 63.527 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104507.D
 Acq: 14 Apr 2018 6:11

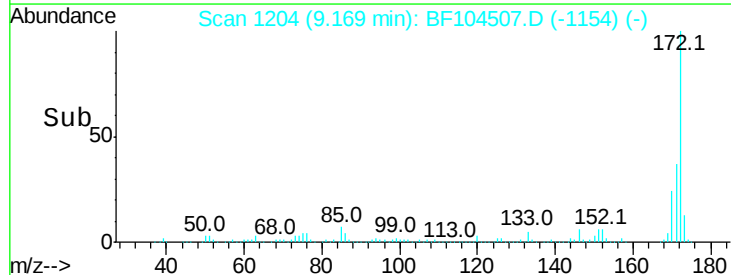
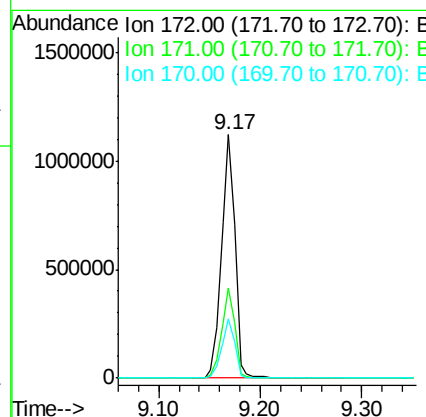
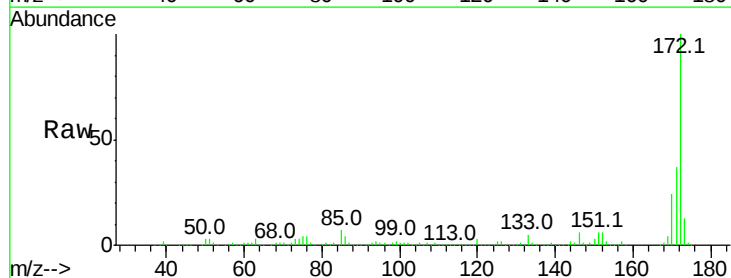
Instrument :
 BNA_F
 ClientSampleId :

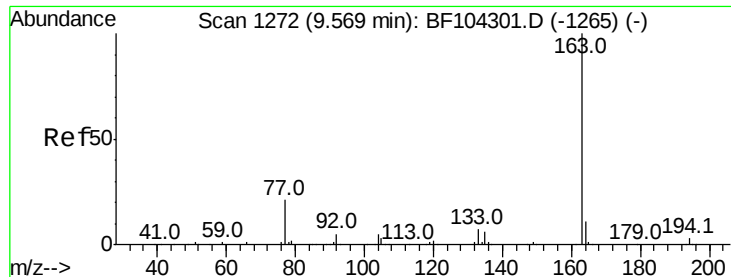
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	33.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 81.680 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104507.D
 Acq: 14 Apr 2018 6:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.4	19.6	29.4

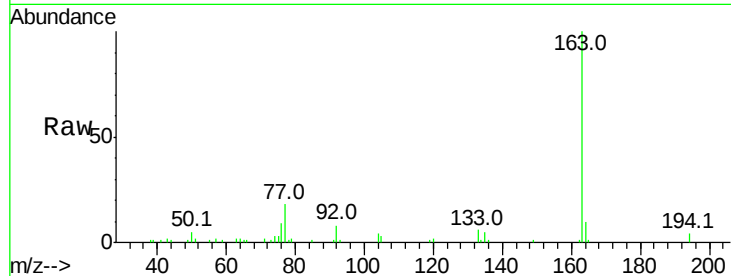




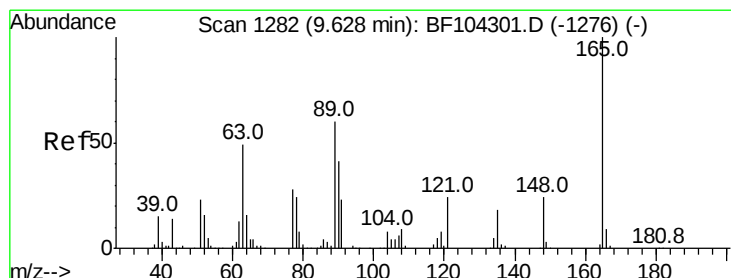
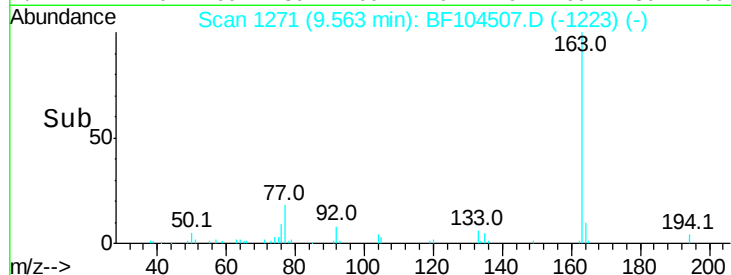
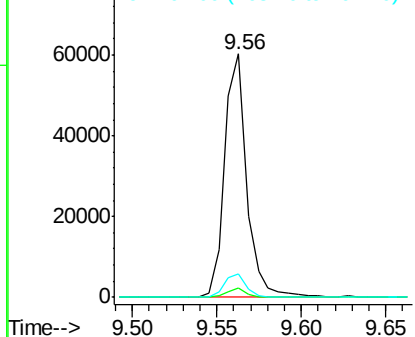
#49
Dimethylphthalate
Concen: 3.453 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF104507.D
Acq: 14 Apr 2018 6:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 54830
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 9.5 8.2 12.2

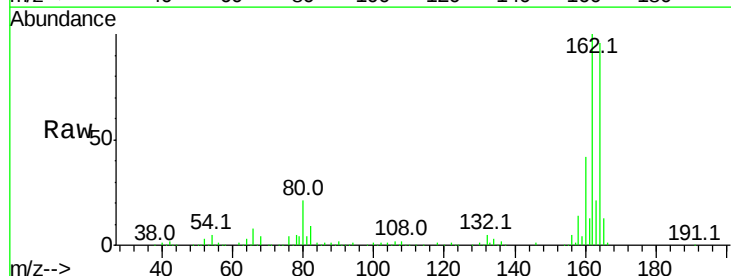


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

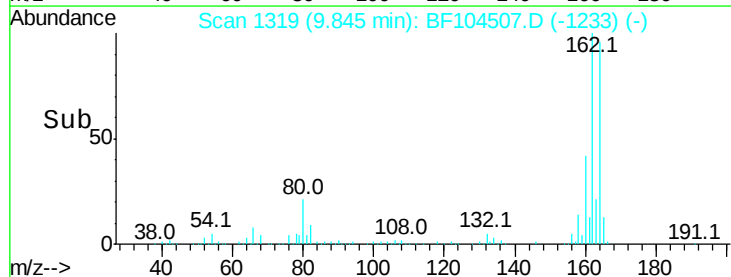
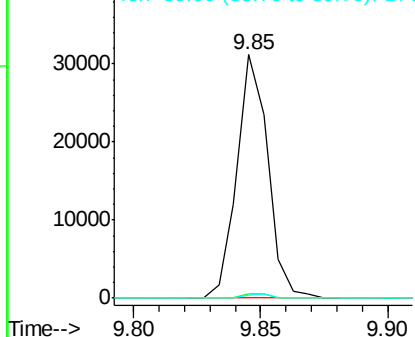


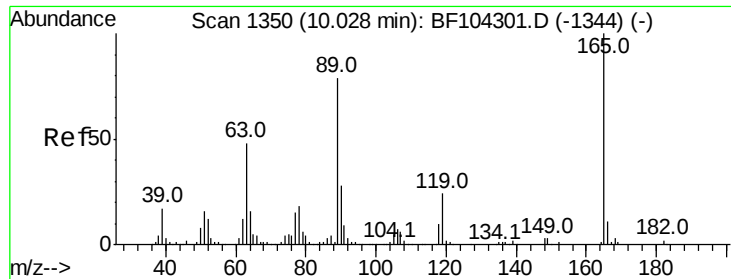
#50
2,6-Dinitrotoluene
Concen: 8.993 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104507.D
Acq: 14 Apr 2018 6:11

Tgt Ion:165 Resp: 26424
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.3 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

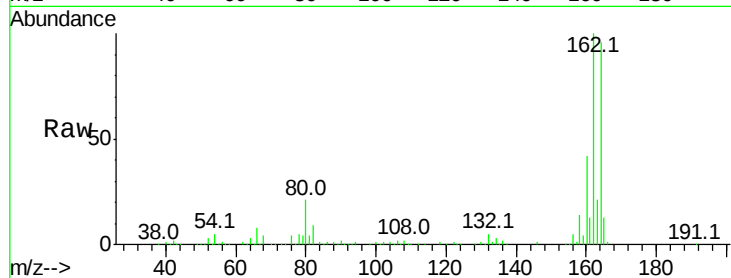




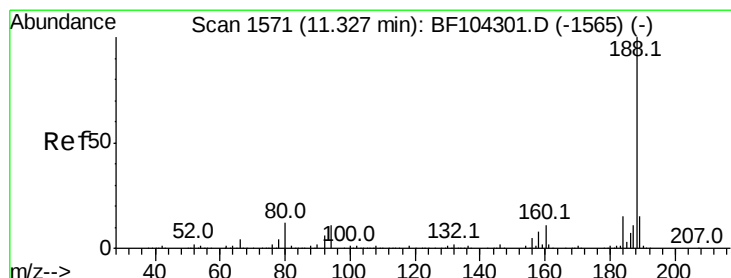
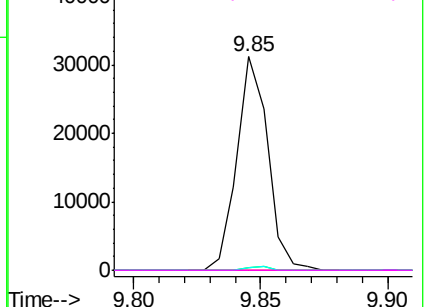
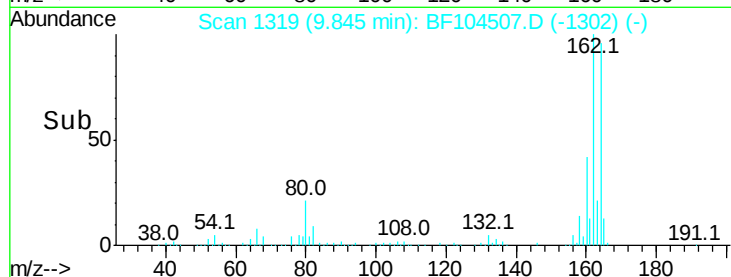
#56
 2,4-Dinitrotoluene
 Concen: 6.856 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104507.D
 Acq: 14 Apr 2018 6:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26424
 Ion Ratio Lower Upper
 165 100
 63 1.5 36.4 54.6#
 89 1.3 57.8 86.6#
 182 0.0 1.6 2.4#

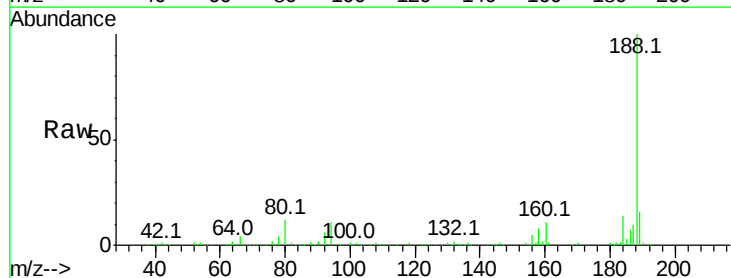


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

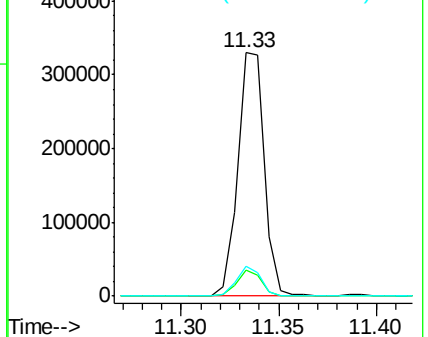
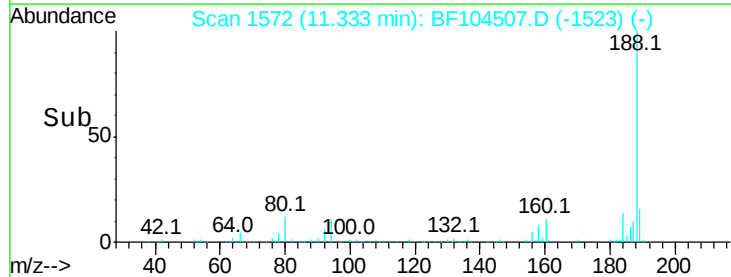


#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF104507.D
 Acq: 14 Apr 2018 6:11

Tgt Ion:188 Resp: 309682
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 12.0 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

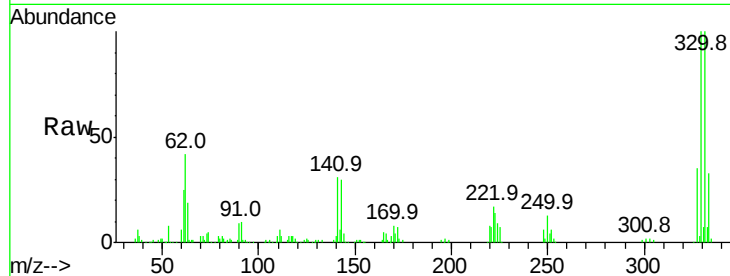




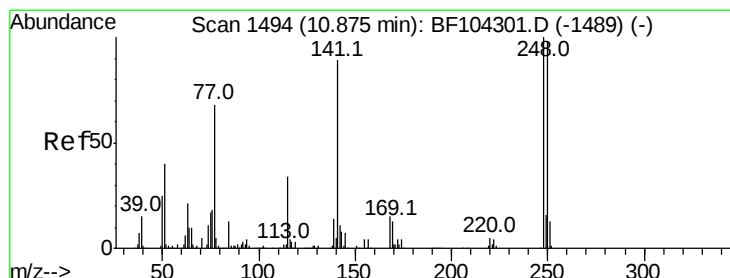
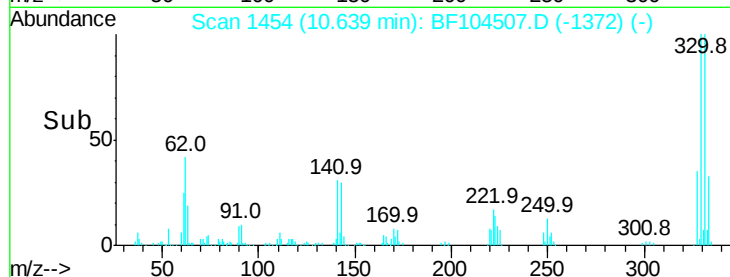
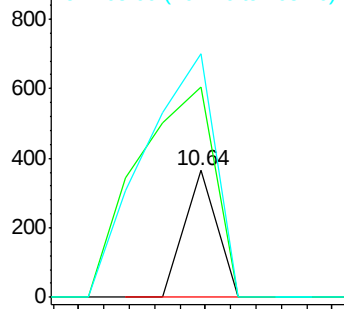
#64
4,6-Dinitro-2-methylphenol
Concen: 7.419 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104507.D
Acq: 14 Apr 2018 6:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 128
Ion Ratio Lower Upper
198 100
51 165.9 37.7 77.7#
105 192.3 36.3 76.3#

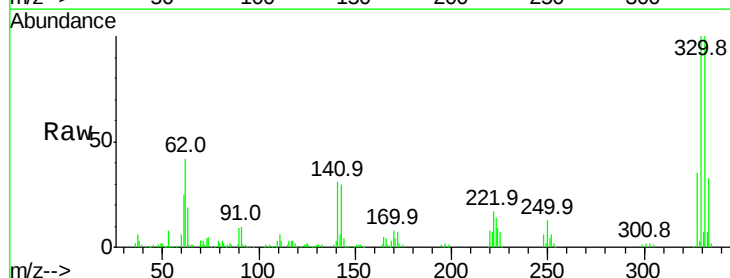


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

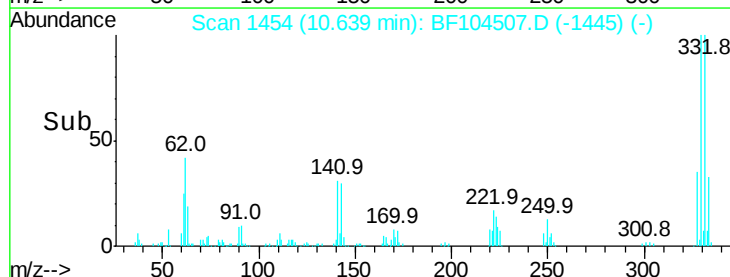
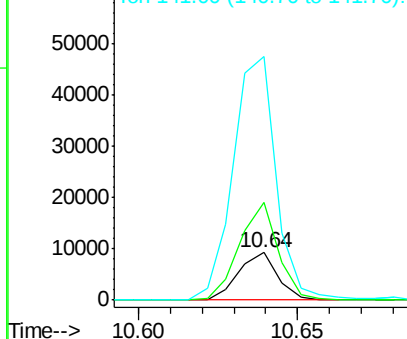


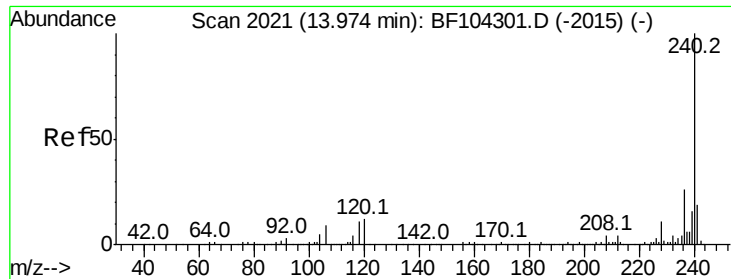
#66
4-Bromophenyl-phenylether
Concen: 2.348 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104507.D
Acq: 14 Apr 2018 6:11

Tgt Ion:248 Resp: 7735
Ion Ratio Lower Upper
248 100
250 204.6 76.9 115.3#
141 512.6 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: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

Instrument :

BNA_F

ClientSampleId :

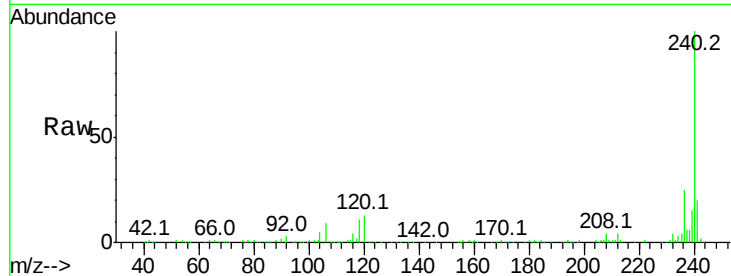
Tot Ion:240 Resp: 229059

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

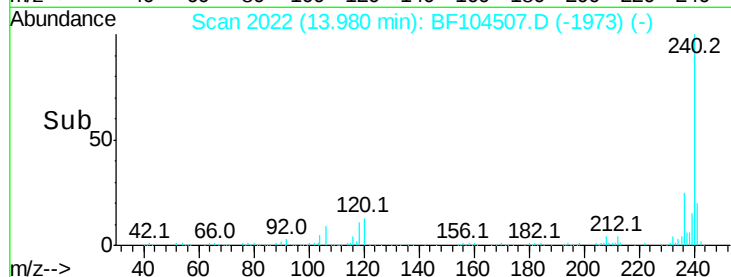
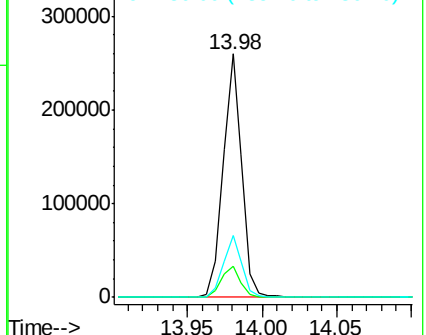
236 25.4 20.7 31.1



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: 77.692 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF104507.D

Acq: 14 Apr 2018 6:11

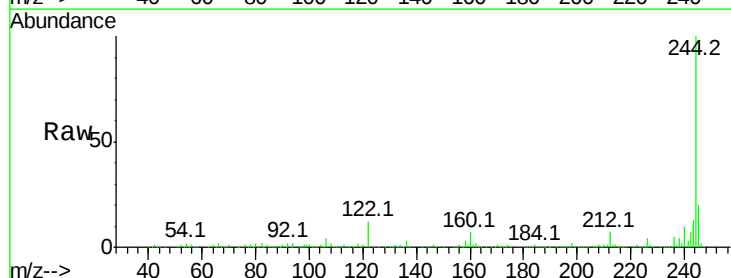
Tgt Ion:244 Resp: 780588

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

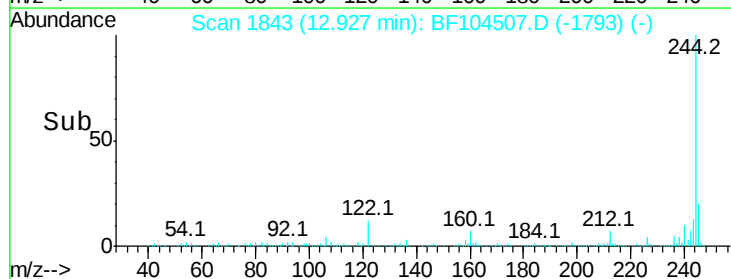
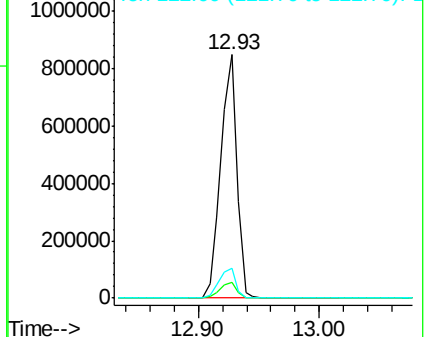
122 12.1 11.0 16.4

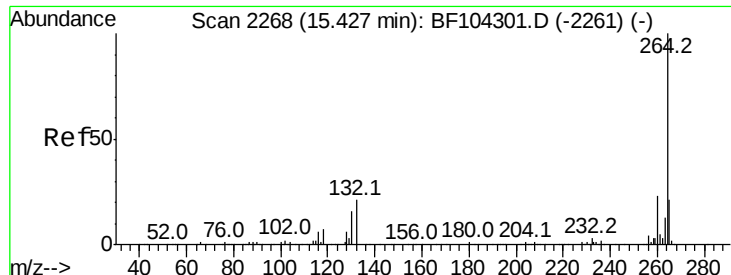


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

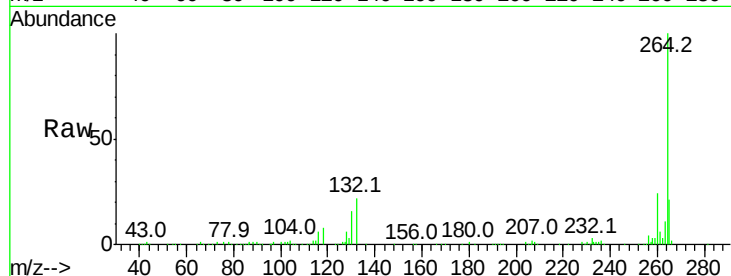




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104507.D
Acq: 14 Apr 2018 6:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.5	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

