

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104336.D
 Acq On : 7 Apr 2018 5:01
 Operator : JU/SJ
 Sample : PB108048BL
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 07 05:31:44 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

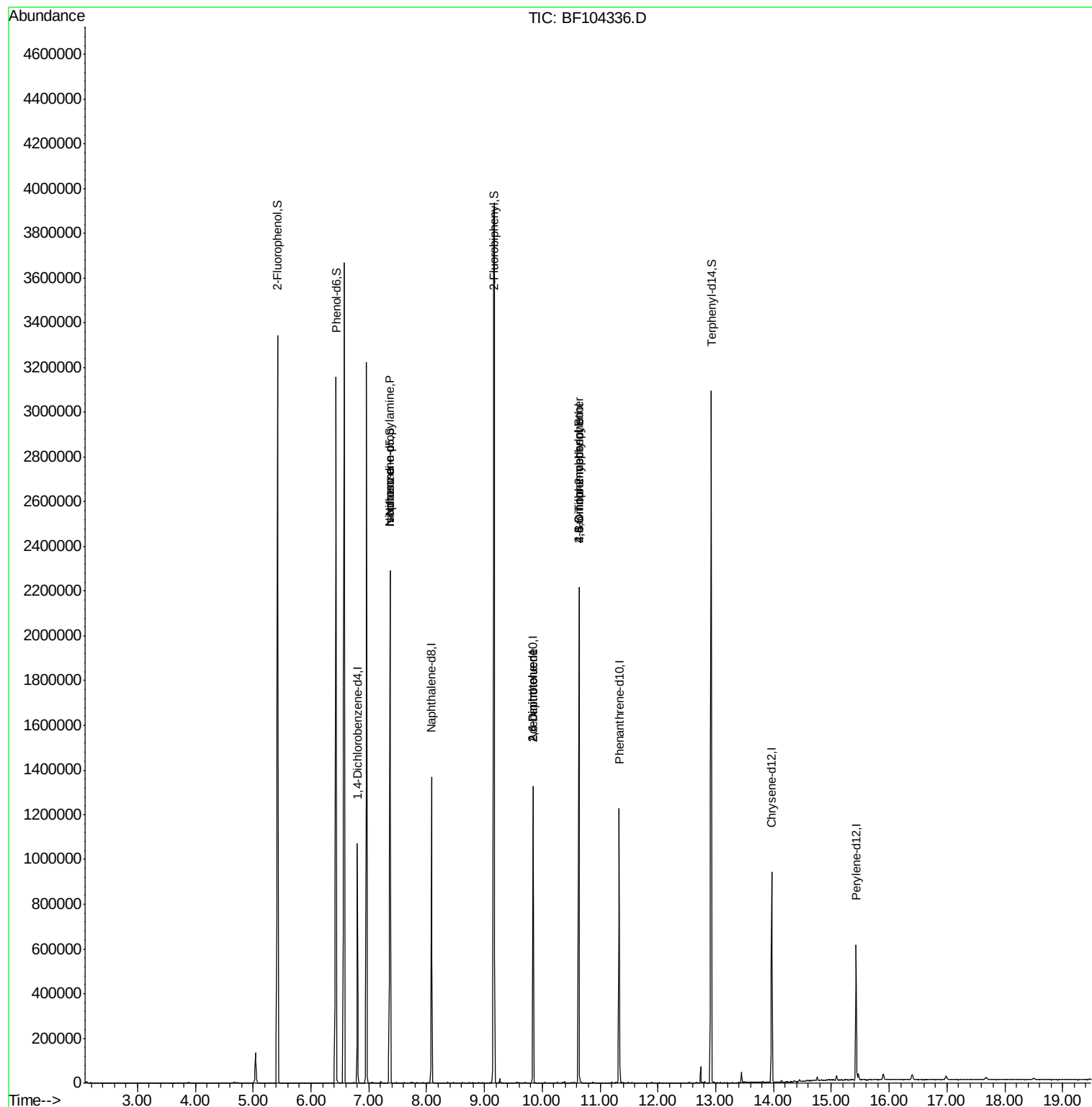
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	145230	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	582313	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	259245	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	398398	20.00	ng	0.00
75) Chrysene-d12	13.97	240	283039	20.00	ng	0.00
86) Perylene-d12	15.43	264	256517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1144401	120.49	ng	0.02
7) Phenol-d6	6.43	99	1411142	120.92	ng	0.00
23) Nitrobenzene-d5	7.37	82	852271	95.57	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	282875	105.19	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1452685	88.52	ng	0.00
78) Terphenyl-d14	12.92	244	1082258	87.17	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	113580	14.894	ng	# 74
25) Isophorone	7.37	82	851258	45.141	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	33191	8.774	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	33191	6.689	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	640	7.626	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	17346	4.093	ng	# 1
76) Benzidine	12.66	184	1581	Below Cal		# 66

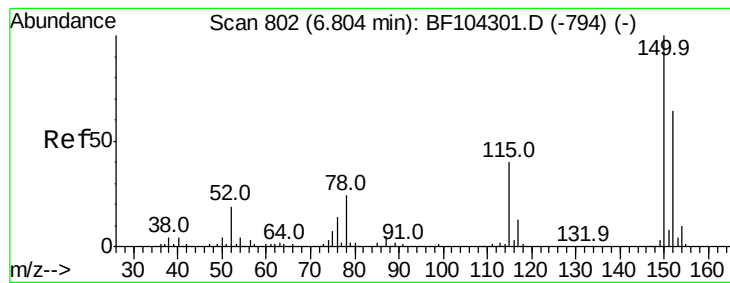
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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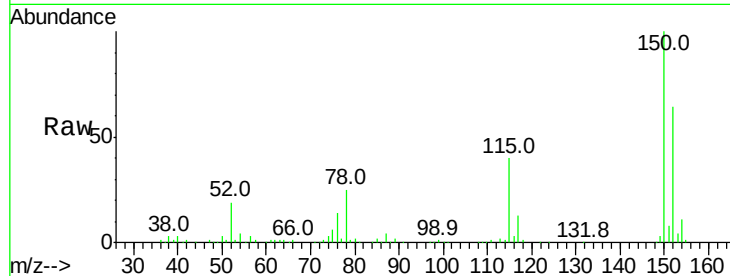


#1

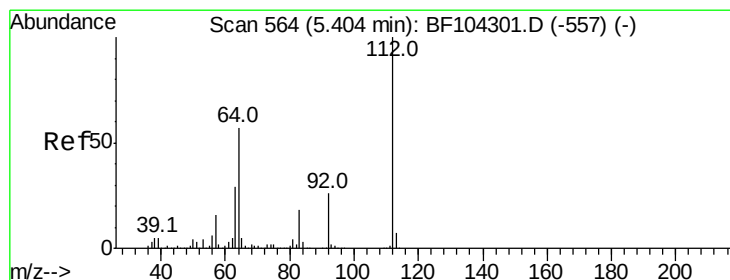
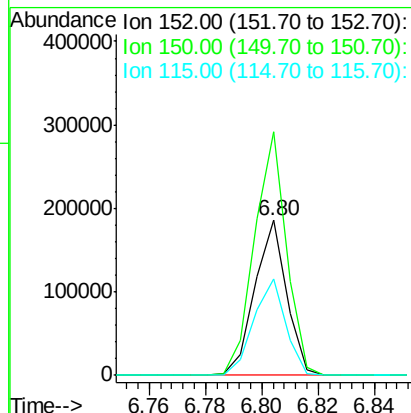
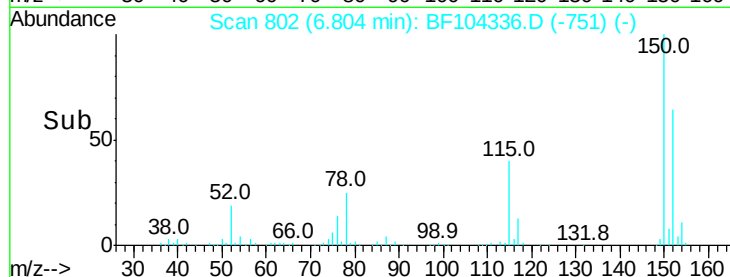
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104336.D
Acq: 7 Apr 2018 5:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145230
Ion Ratio Lower Upper
152 100
150 157.3 124.6 186.8
115 62.6 50.1 75.1



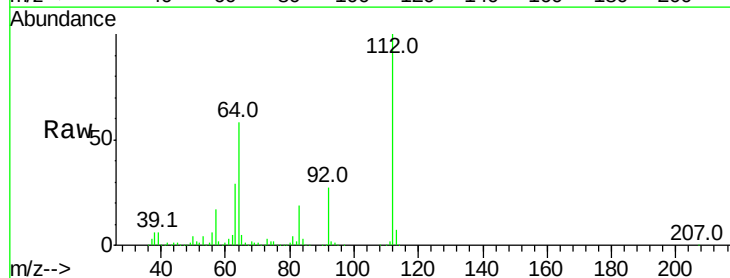
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



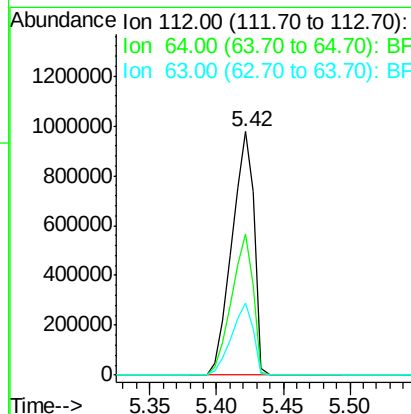
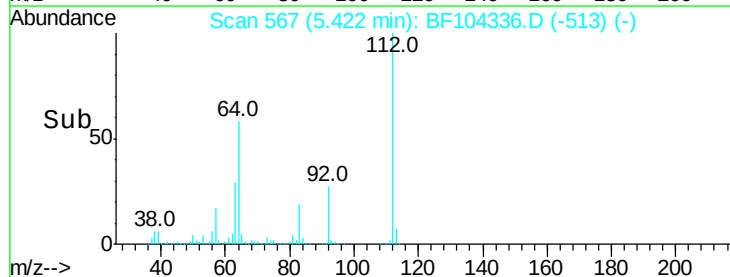
#5

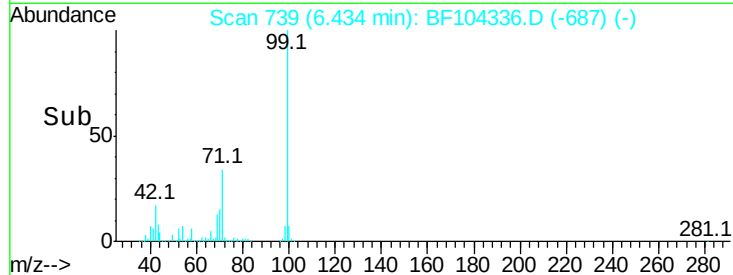
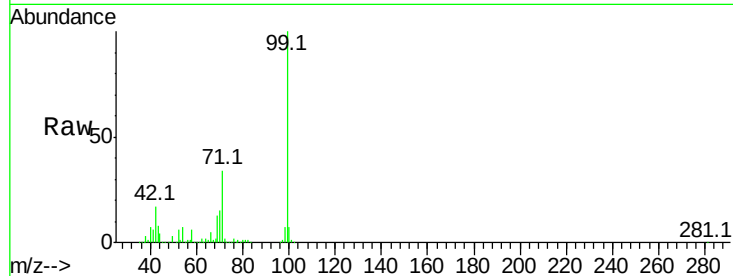
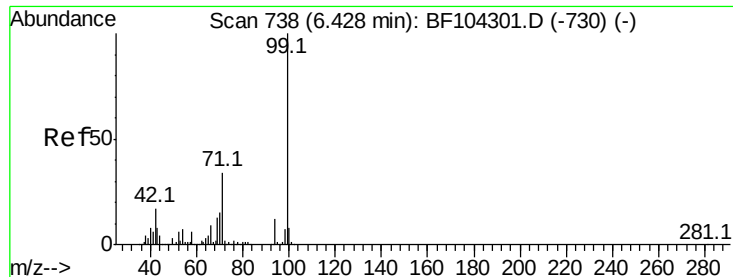
2-Fluorophenol
Concen: 120.488 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BF104336.D
Acq: 7 Apr 2018 5:01

Tgt Ion:112 Resp: 1144401
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 29.5 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: 120.921 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

Instrument :

BNA_F

ClientSampleId :

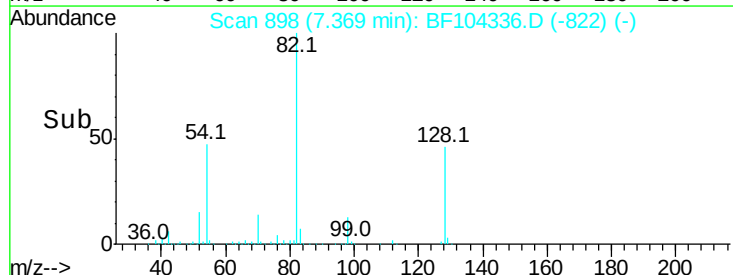
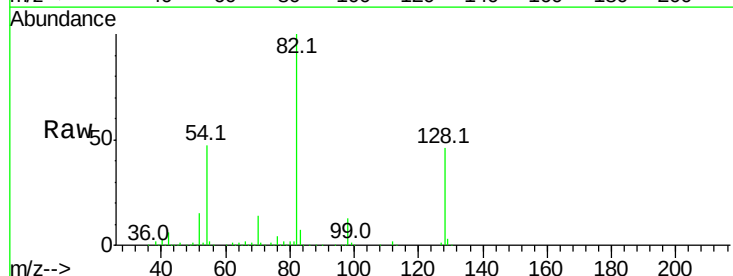
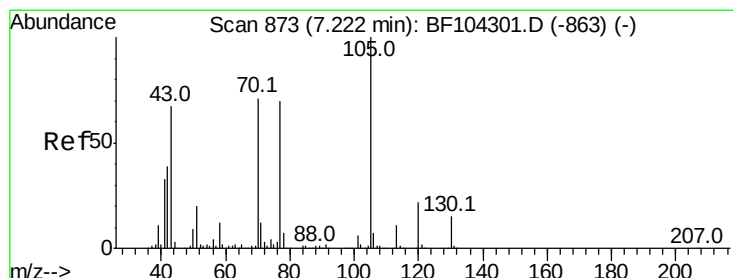
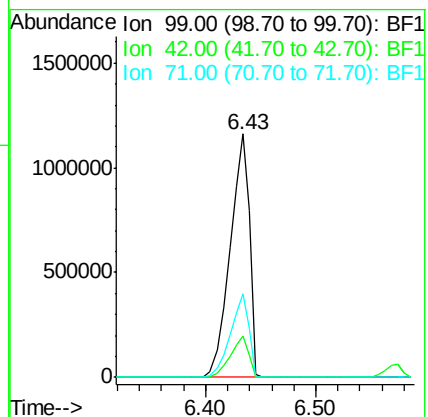
Tot Ion: 99 Resp: 1411142

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 34.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.894 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

Tgt Ion: 70 Resp: 113580

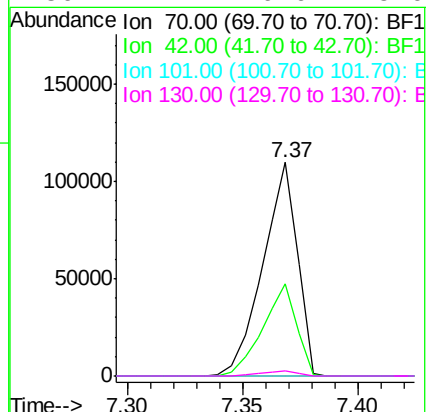
Ion Ratio Lower Upper

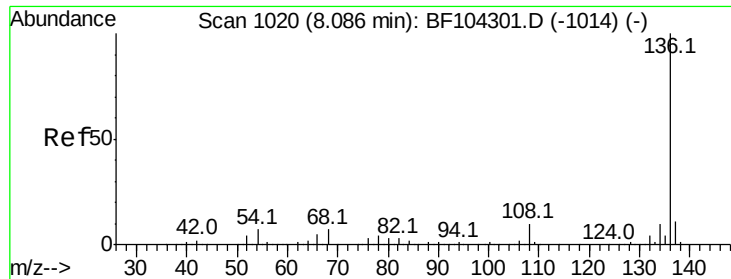
70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

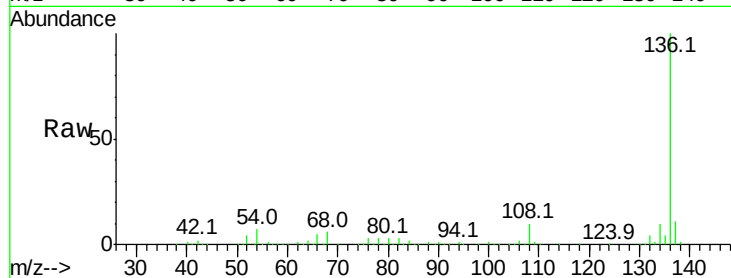




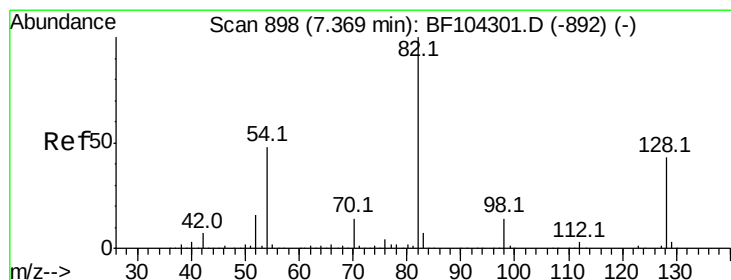
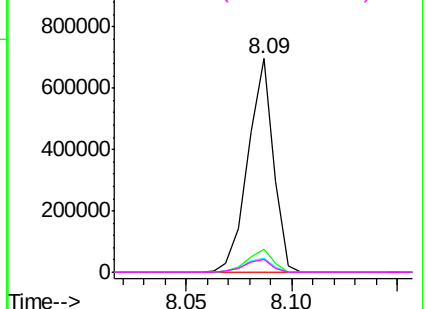
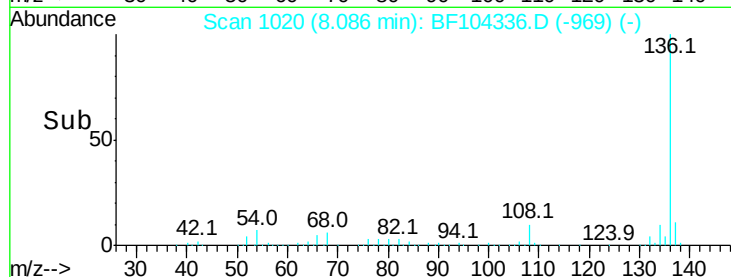
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104336.D
Acq: 7 Apr 2018 5:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp: 582313
Ion Ratio	Lower Upper
136 100	
137 10.9	8.9 13.3
54 6.9	6.6 9.8
68 6.3	5.0 7.4

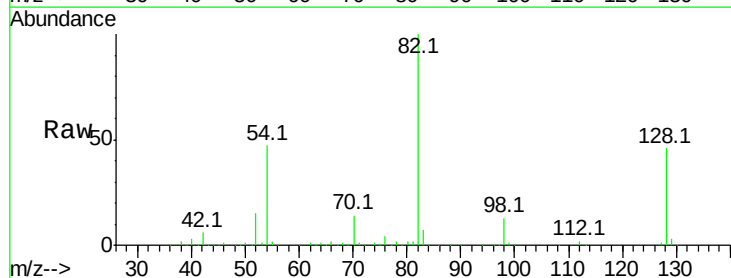


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

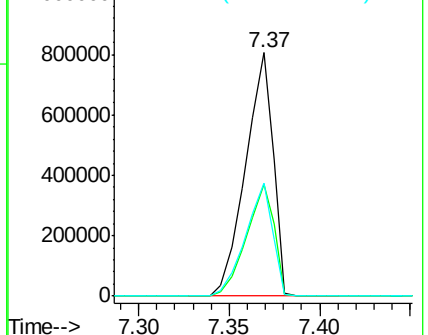
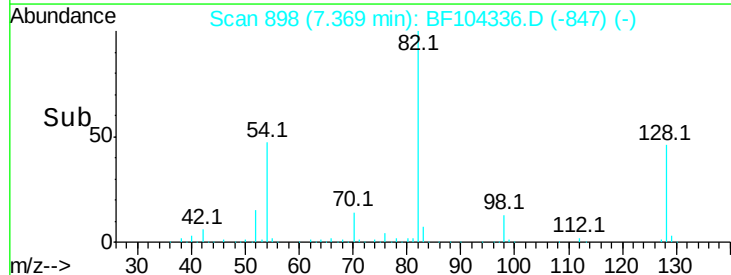


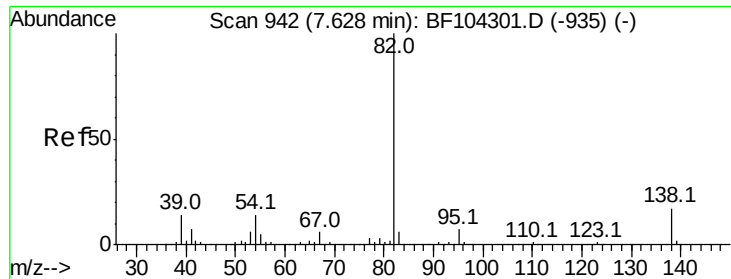
#23
Nitrobenzene-d5
Concen: 95.570 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104336.D
Acq: 7 Apr 2018 5:01

Tgt	Ion: 82	Resp:	852271
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	46.5	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: 45.141 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

Instrument :

BNA_F

ClientSampleId :

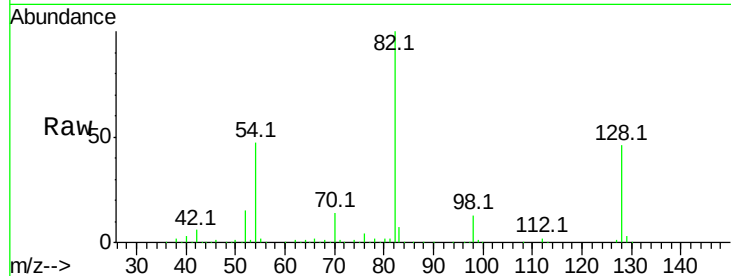
Tot Ion: 82 Resp: 851258

Ion Ratio Lower Upper

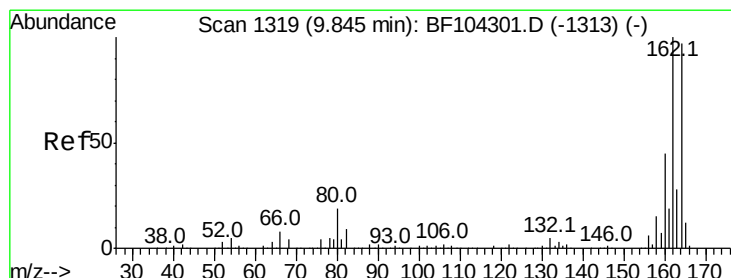
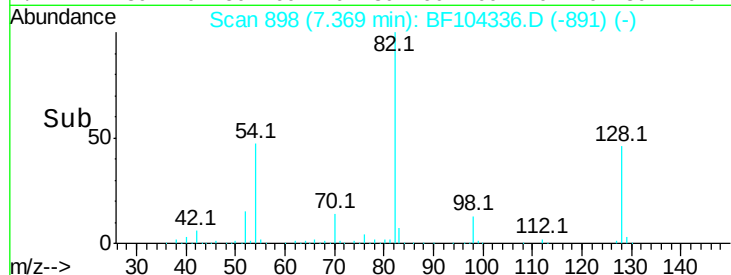
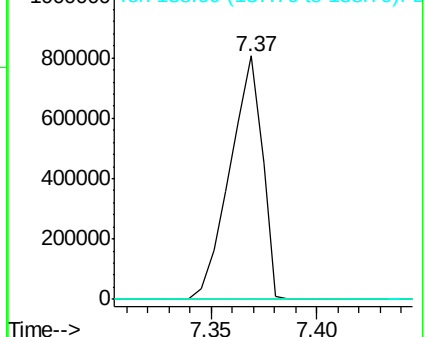
82 100

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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

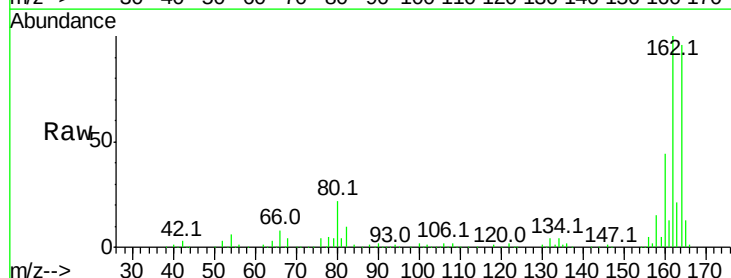
Tgt Ion: 164 Resp: 259245

Ion Ratio Lower Upper

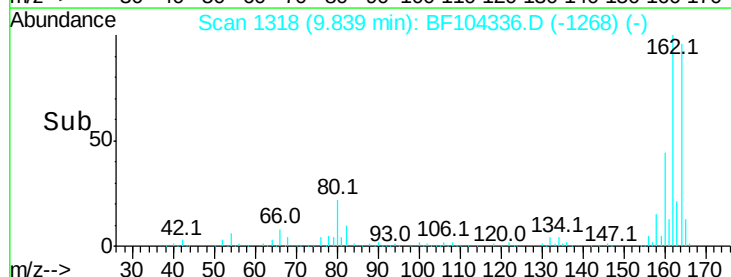
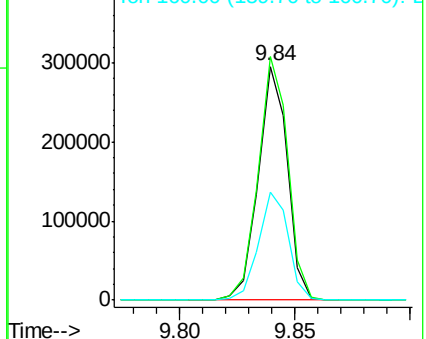
164 100

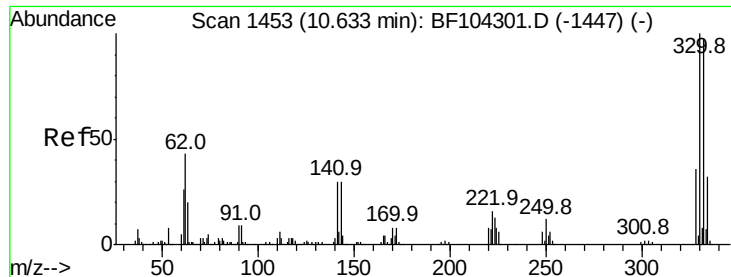
162 104.0 86.1 129.1

160 46.1 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

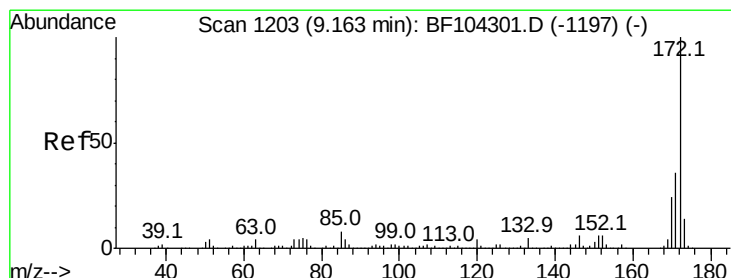
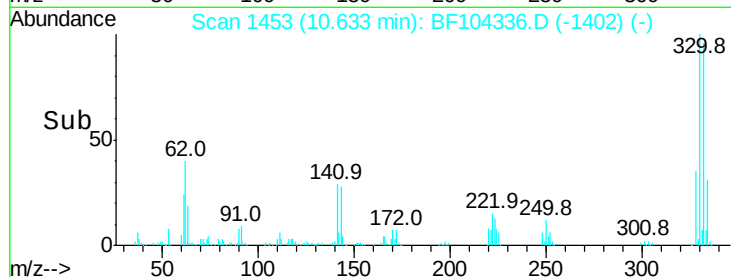
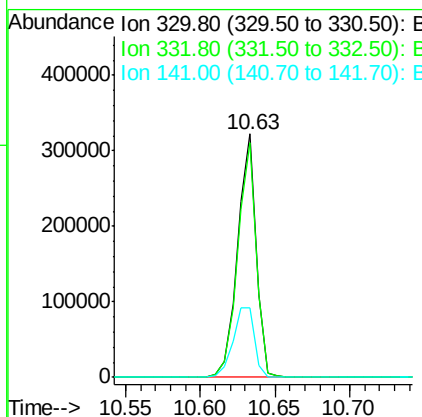
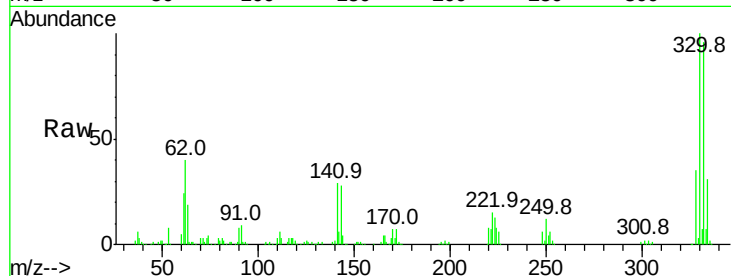




#41
 2,4,6-Tribromophenol
 Concen: 105.189 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.00 min
 Lab File: BF104336.D
 Acq: 7 Apr 2018 5:01

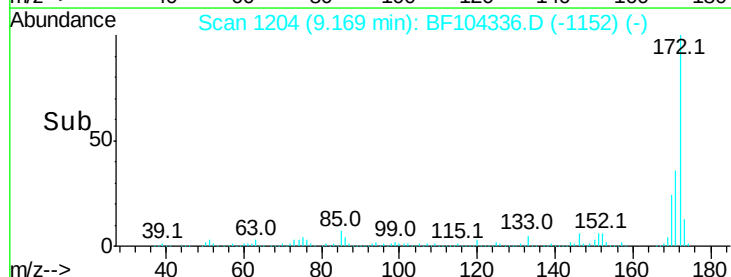
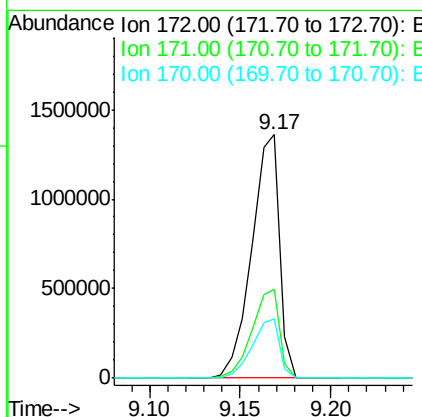
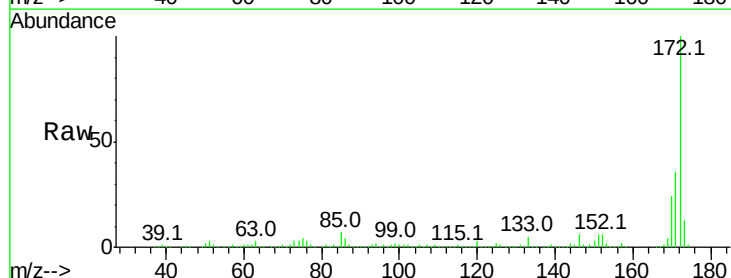
Instrument :
 BNA_F
 ClientSampleId :

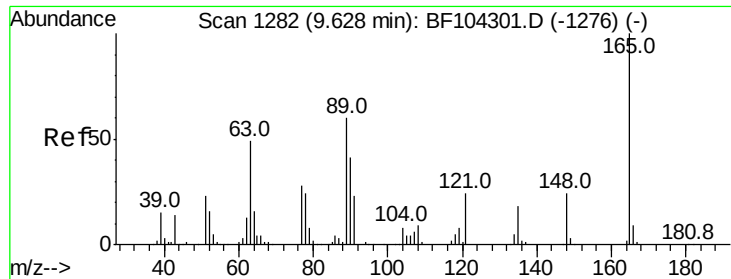
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	33.5	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 88.522 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104336.D
 Acq: 7 Apr 2018 5:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.2	19.6	29.4





#50

2,6-Dinitrotoluene

Concen: 8.774 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

Instrument :

BNA_F

ClientSampleId :

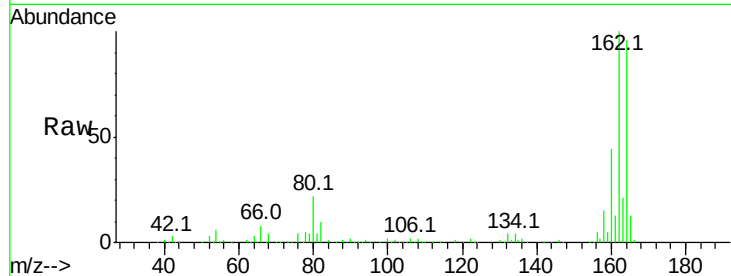
Tot Ion:165 Resp: 33191

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

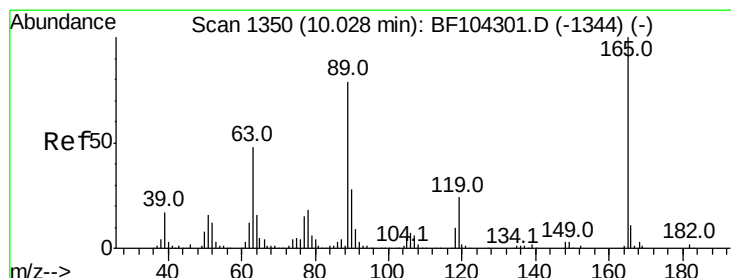
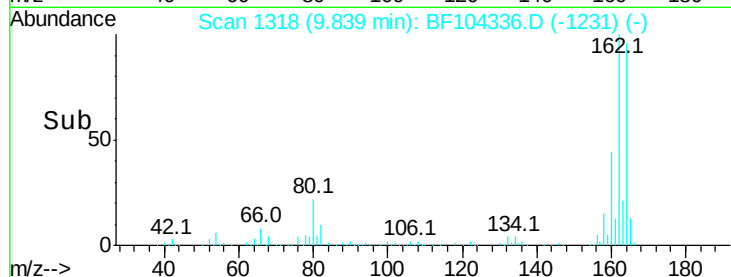
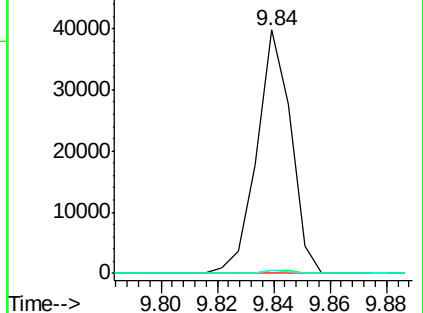
89 1.3 44.0 66.0#



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: 6.689 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

Tgt Ion:165 Resp: 33191

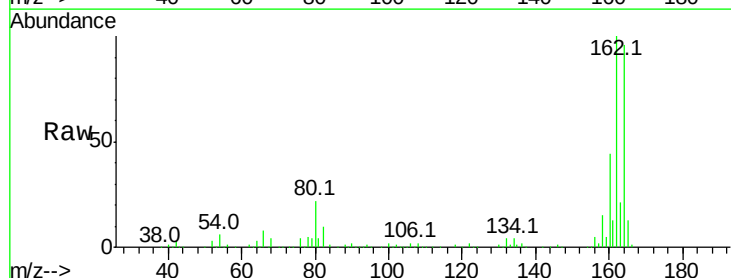
Ion Ratio Lower Upper

165 100

63 1.2 36.4 54.6#

89 1.3 57.8 86.6#

182 0.0 1.6 2.4#

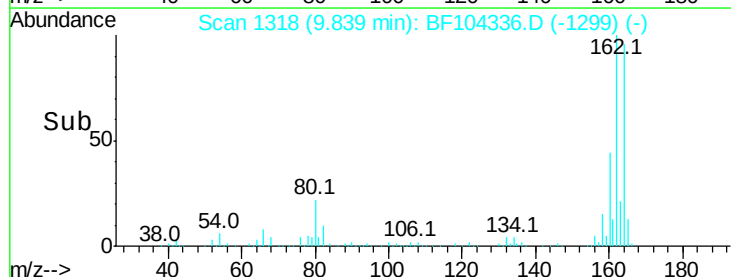
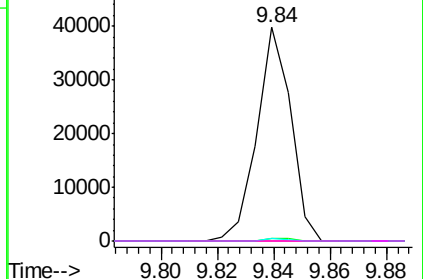


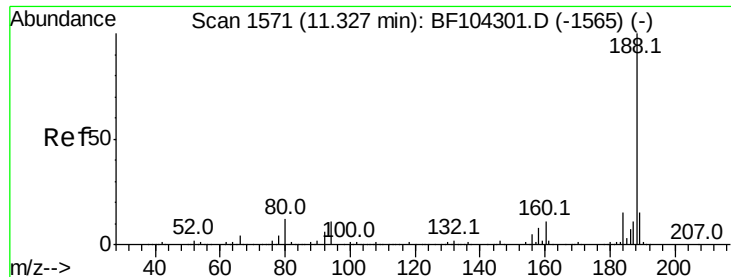
Abundance Ion 165.00 (164.70 to 165.70): E

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

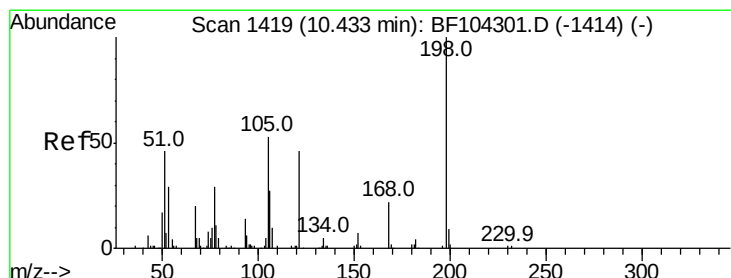
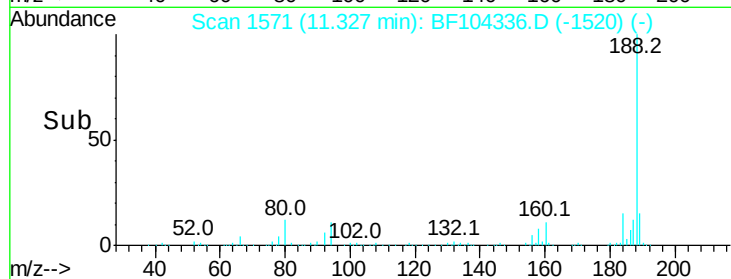
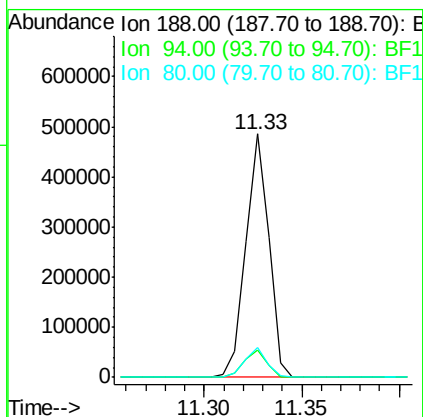
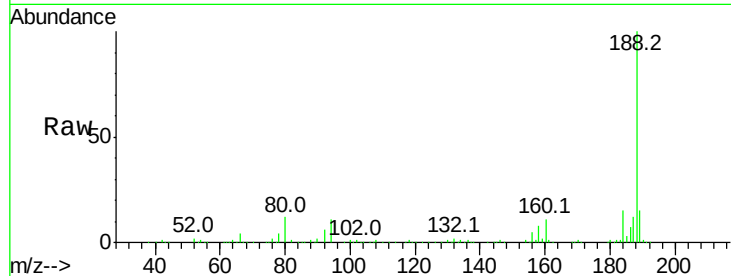




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF104336.D
Acq: 7 Apr 2018 5:01

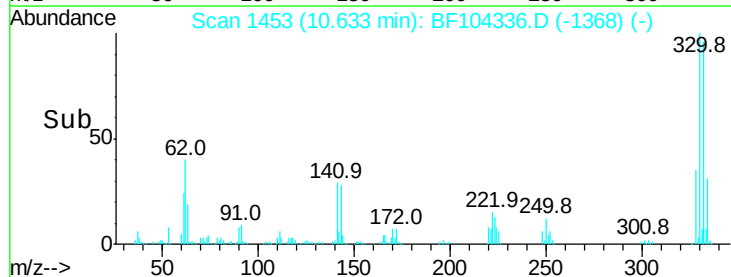
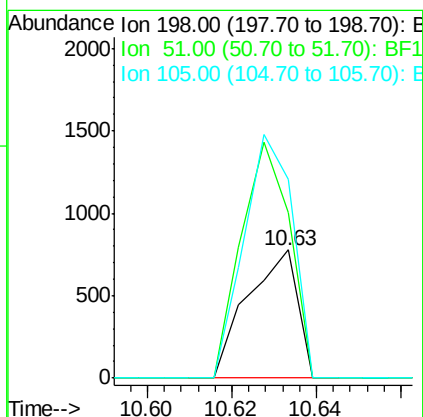
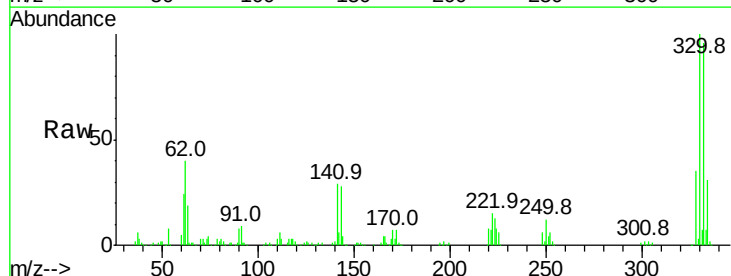
Instrument :
BNA_F
ClientSampleId :

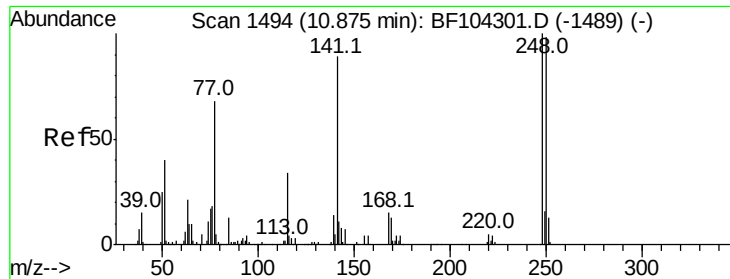
Tot Ion:188 Resp: 398398
Ion Ratio Lower Upper
188 100
94 11.2 8.5 12.7
80 12.1 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.626 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.20 min
Lab File: BF104336.D
Acq: 7 Apr 2018 5:01

Tgt Ion:198 Resp: 640
Ion Ratio Lower Upper
198 100
51 129.1 37.7 77.7#
105 155.5 36.3 76.3#

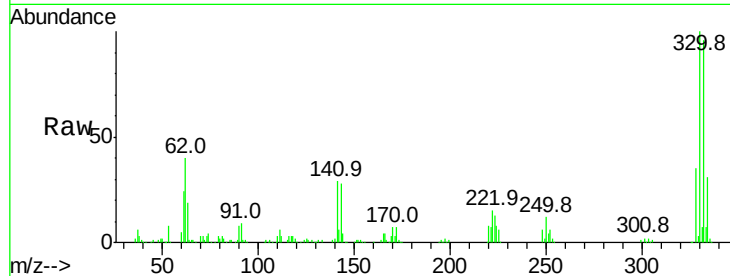




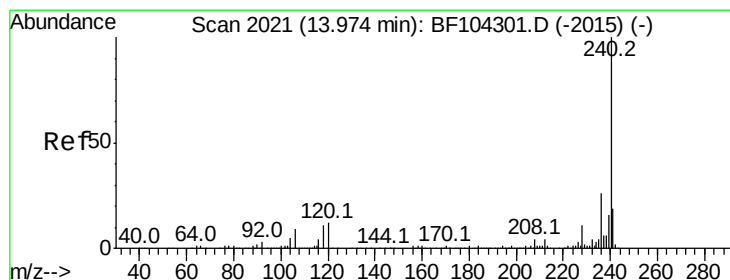
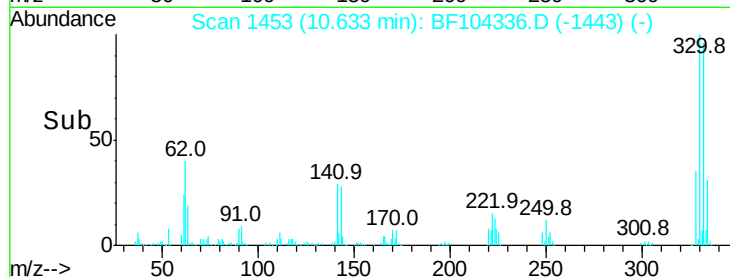
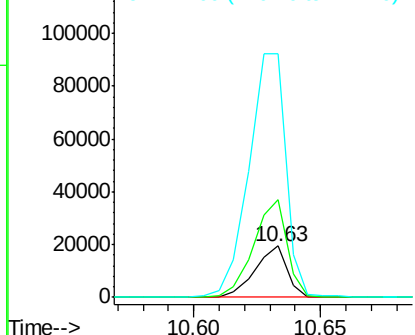
#66
 4-Bromophenyl-phenylether
 Concen: 4.093 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104336.D
 Acq: 7 Apr 2018 5:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 17346
 Ion Ratio Lower Upper
 248 100
 250 191.0 76.9 115.3#
 141 474.2 74.4 111.6#

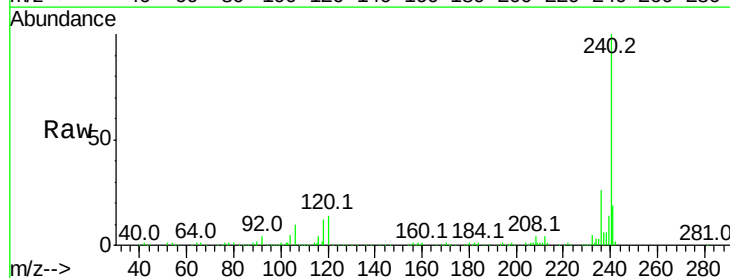


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

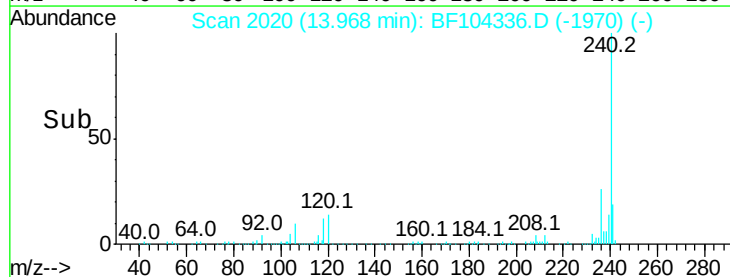
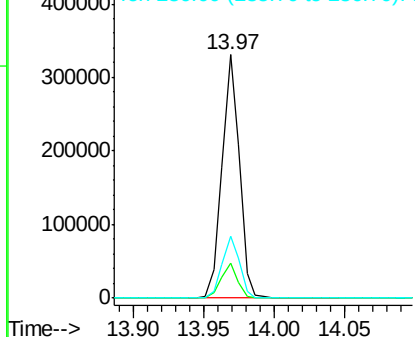


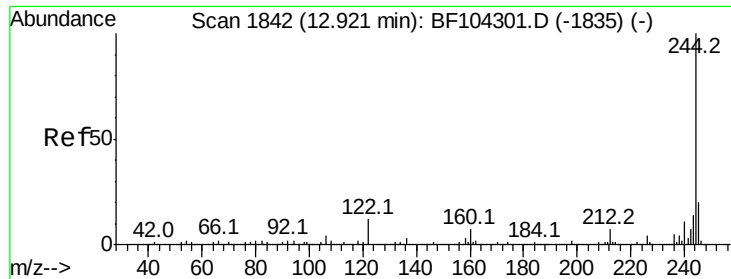
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104336.D
 Acq: 7 Apr 2018 5:01

Tgt Ion:240 Resp: 283039
 Ion Ratio Lower Upper
 240 100
 120 14.4 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: 87.174 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

Instrument :

BNA_F

ClientSampled :

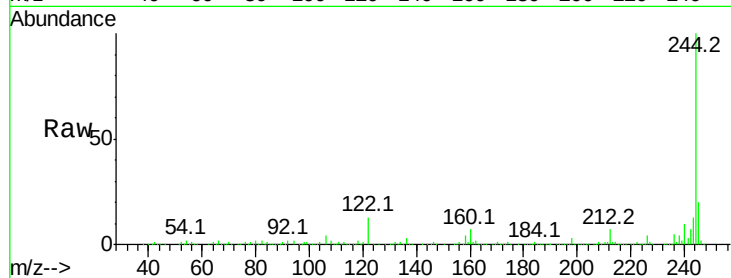
Tot Ion:244 Resp: 1082258

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

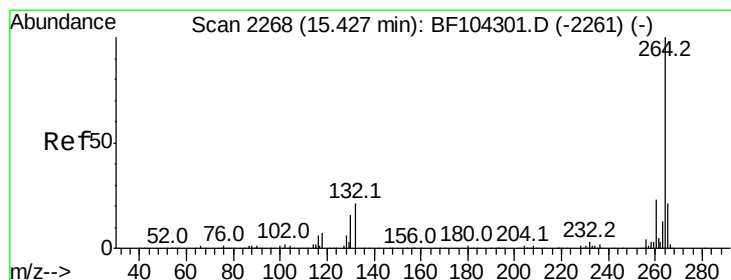
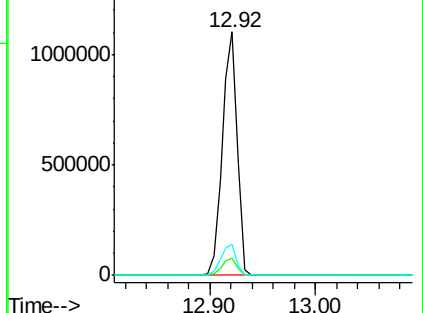
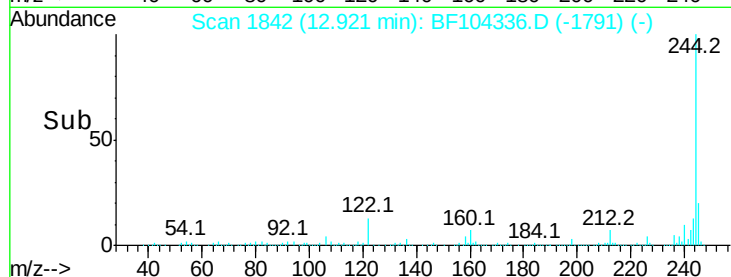
122 12.7 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.00 min

Lab File: BF104336.D

Acq: 7 Apr 2018 5:01

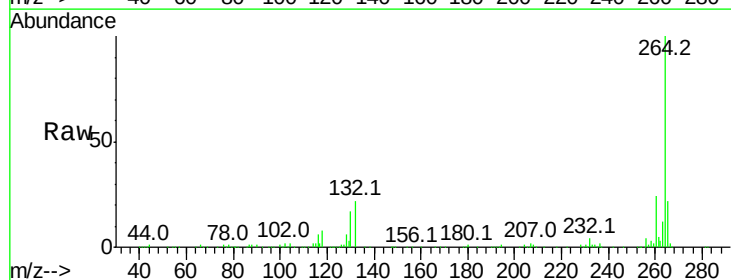
Tgt Ion:264 Resp: 256517

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 22.3 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

