

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104967.D
 Acq On : 1 May 2018 7:22
 Operator : JU/SJ
 Sample : J2617-10
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 08:19:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

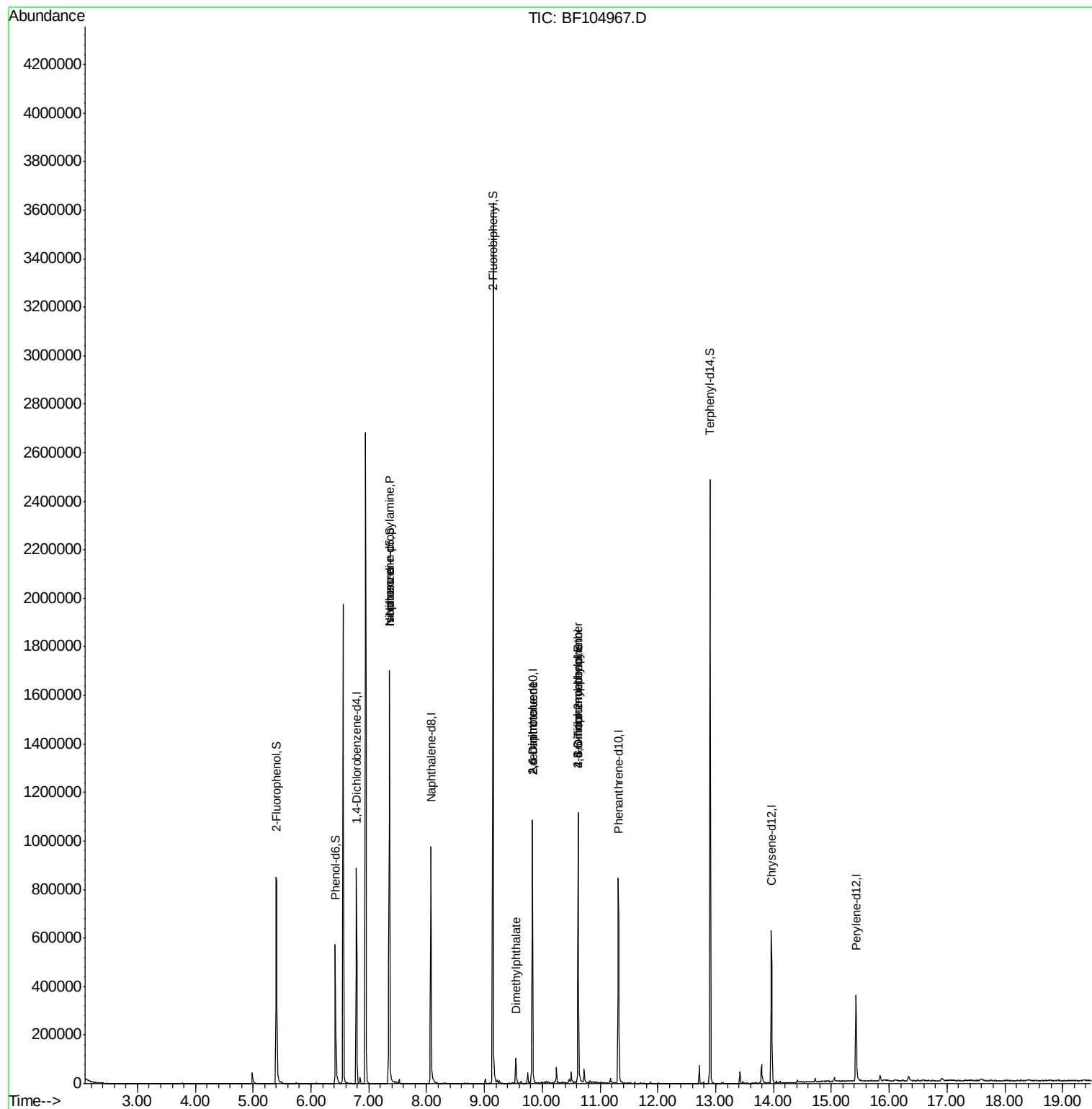
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	125537	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	504052	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	208845	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	334007	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	227661	20.00	ng	-0.01
86) Perylene-d12	15.43	264	184675	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	299097	36.43	ng	0.00
7) Phenol-d6	6.42	99	219487	21.76	ng	-0.02
23) Nitrobenzene-d5	7.36	82	696350	90.21	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	154927	71.51	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1177179	89.04	ng	0.00
78) Terphenyl-d14	12.90	244	844852	84.60	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	90771	13.77	ng	# 73
25) Isophorone	7.36	82	696345	42.66	ng	# 64
49) Dimethylphthalate	9.55	163	49458	3.00	ng	# 99
50) 2,6-Dinitrotoluene	9.83	165	26771	8.78	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	26771	6.70	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	154	7.43	ng	# 2
66) 4-Bromophenyl-phenylether	10.62	248	9500	2.67	ng	# 1
76) Benzidine	12.90	184	11242	Below Cal		# 95

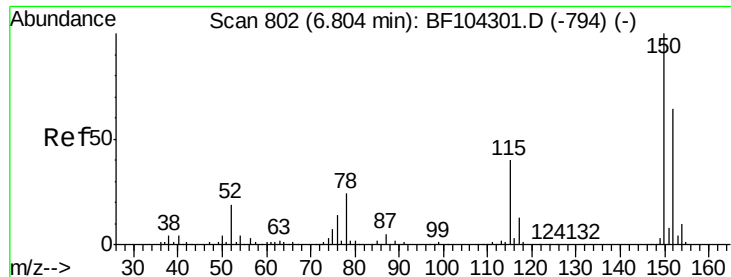
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

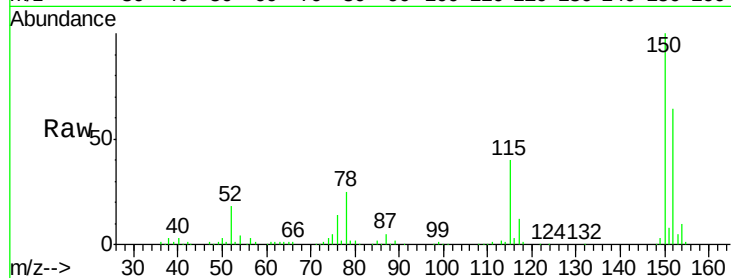
Tot Ion:152 Resp: 125537

Ion Ratio Lower Upper

152 100

150 156.4 124.6 186.8

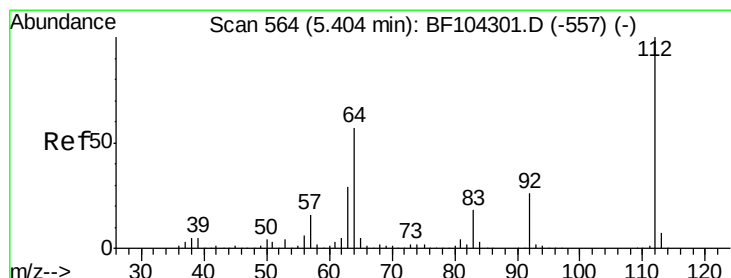
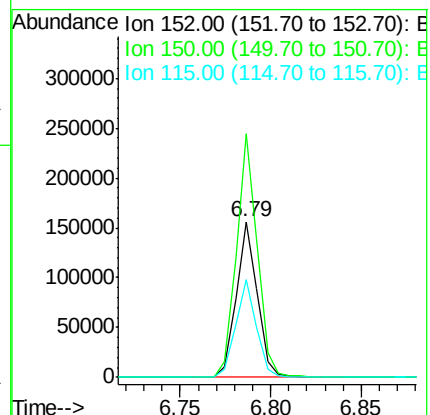
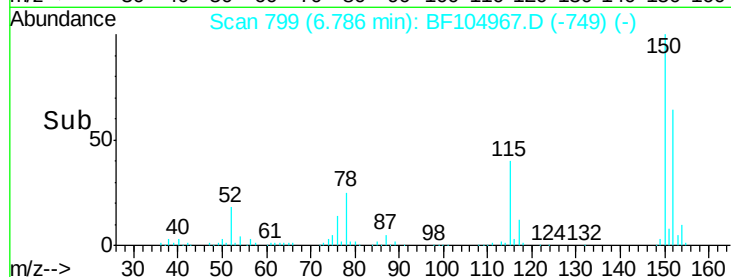
115 62.8 50.1 75.1



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: 36.43 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

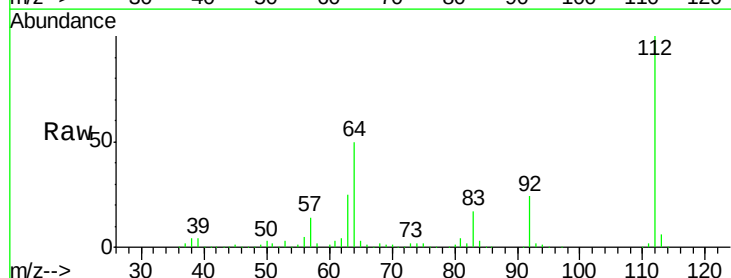
Tgt Ion:112 Resp: 299097

Ion Ratio Lower Upper

112 100

64 50.1 47.9 71.9

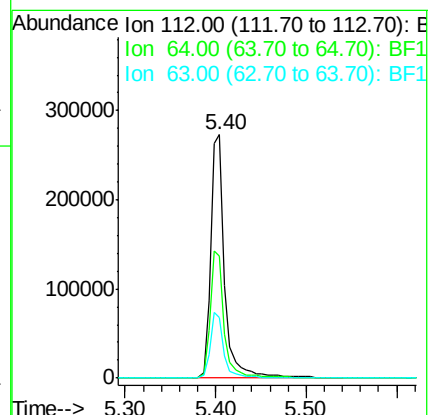
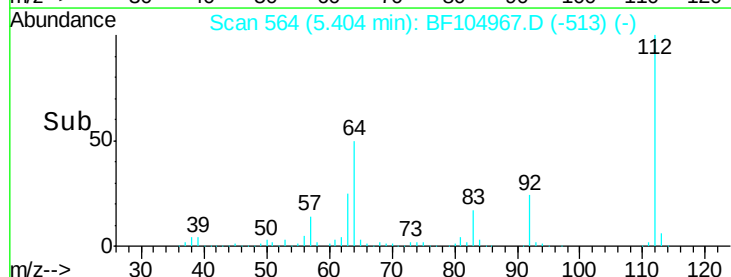
63 24.9 23.7 35.5

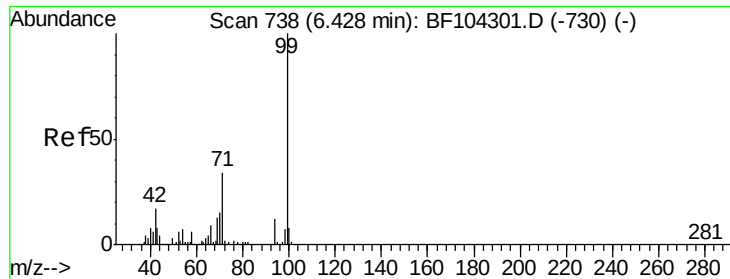


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 21.76 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

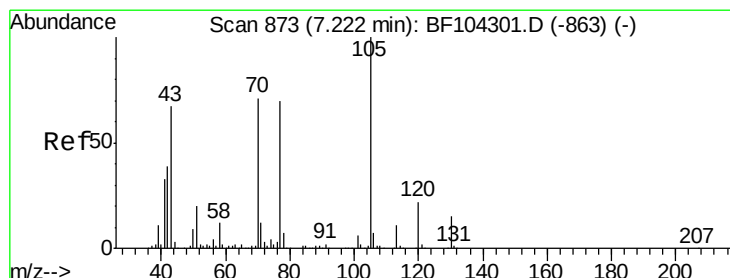
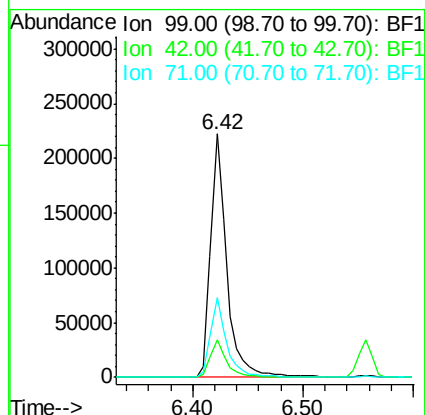
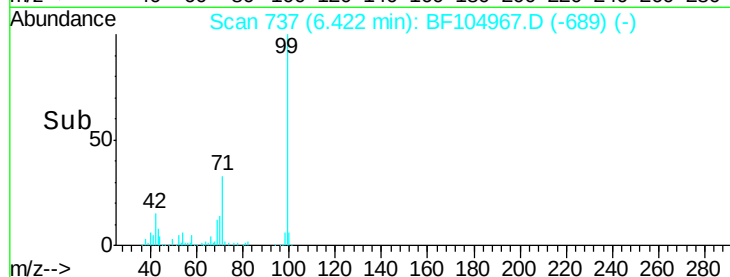
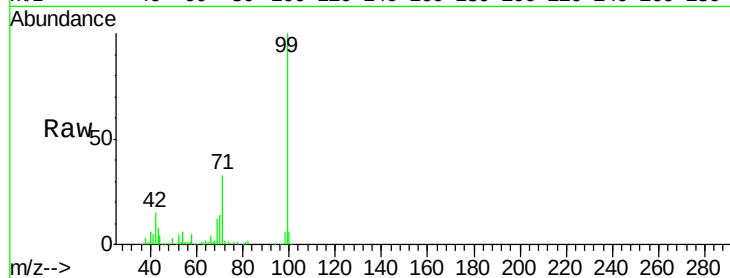
Tot Ion: 99 Resp: 219487

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 32.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.77 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

Tgt Ion: 70 Resp: 90771

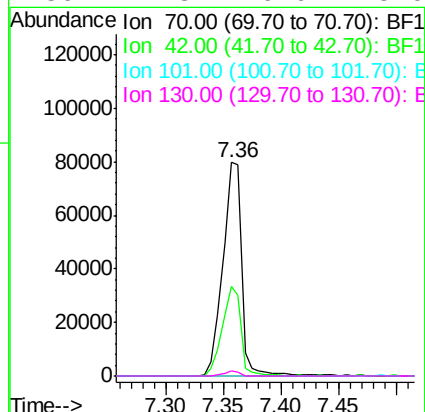
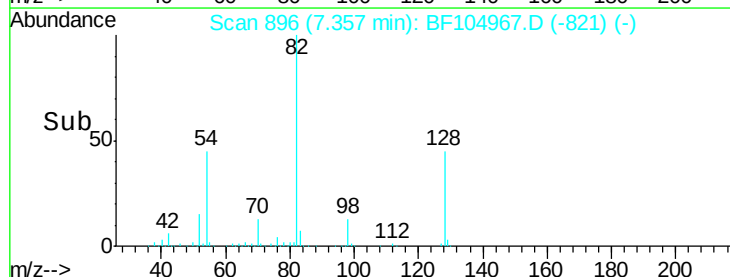
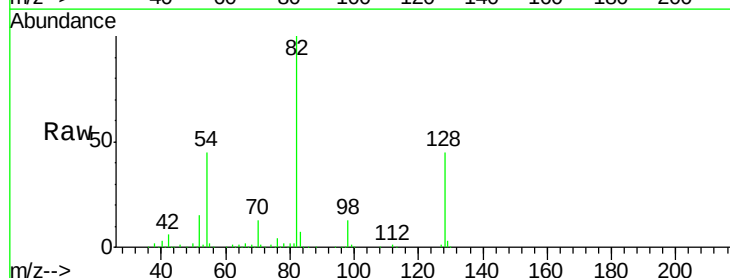
Ion Ratio Lower Upper

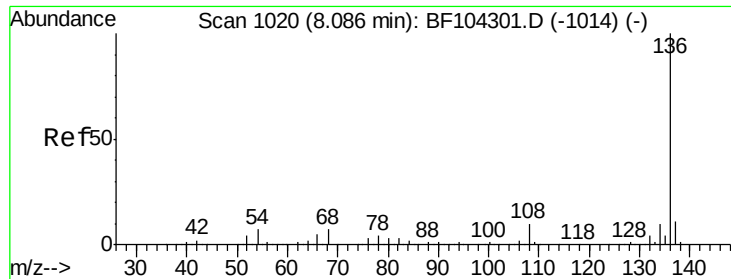
70 100

42 42.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF104967.D

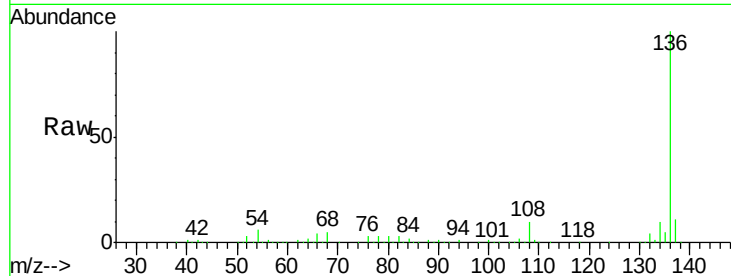
Acq: 1 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136	Resp:	504052
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.9 13.3
54	5.8	6.6 9.8#
68	5.5	5.0 7.4

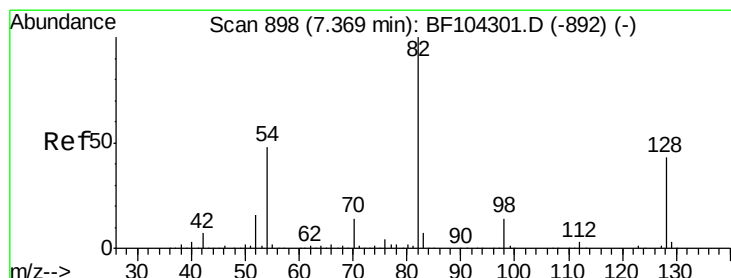
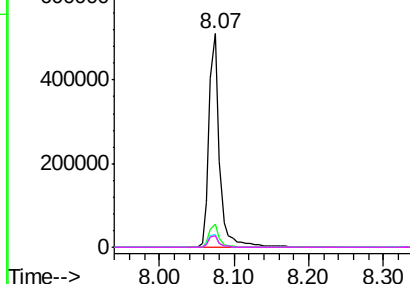
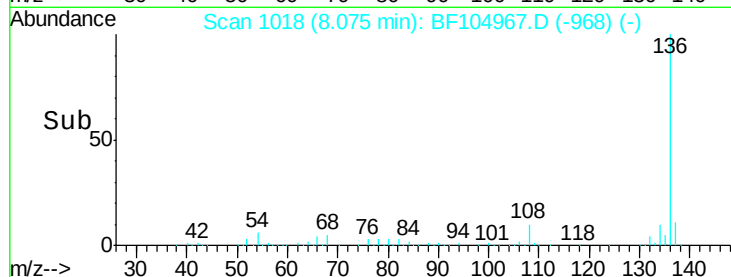


Abundance Ion 136.00 (135.70 to 136.70): E

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: 90.21 ng

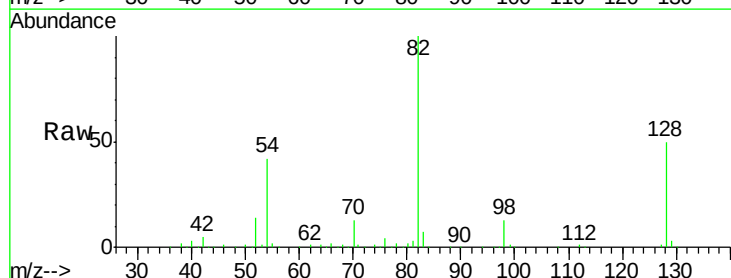
RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

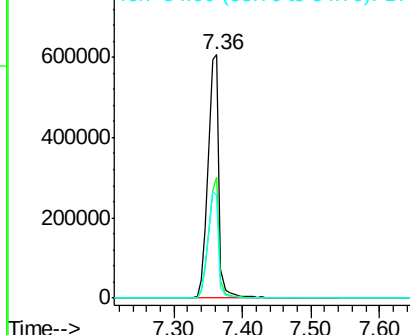
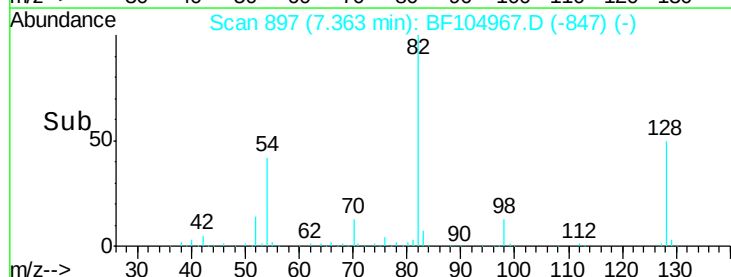
Tgt Ion: 82	Resp:	696350
Ion Ratio	Lower	Upper
82	100	
128	49.6	36.1 54.1
54	42.4	41.4 62.2

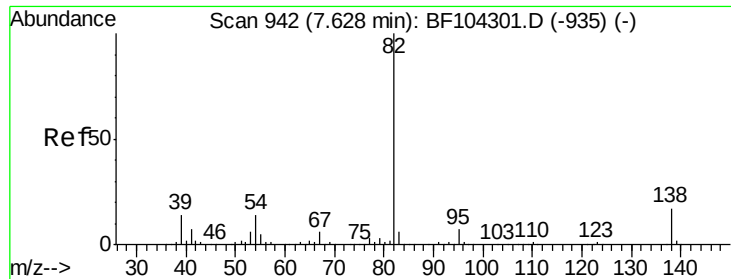


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.66 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

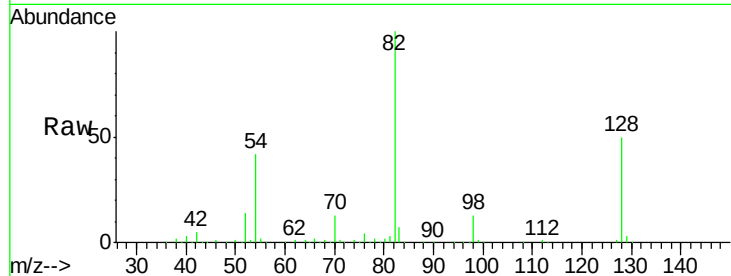
Tot Ion: 82 Resp: 696345

Ion Ratio Lower Upper

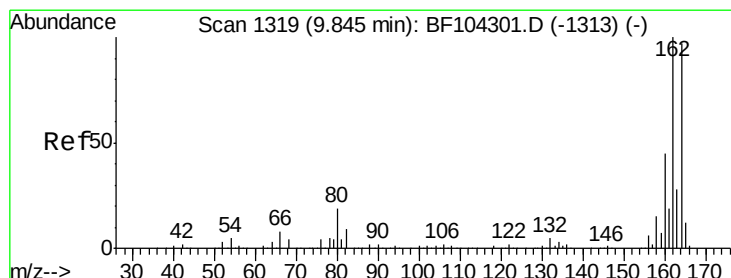
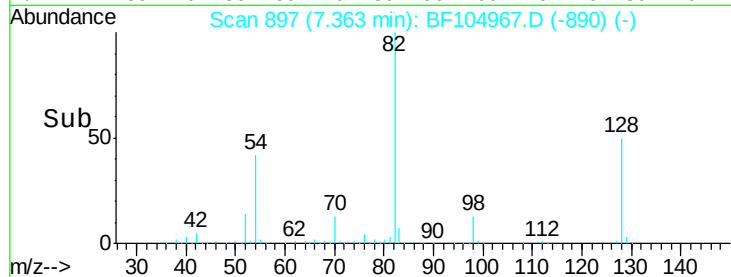
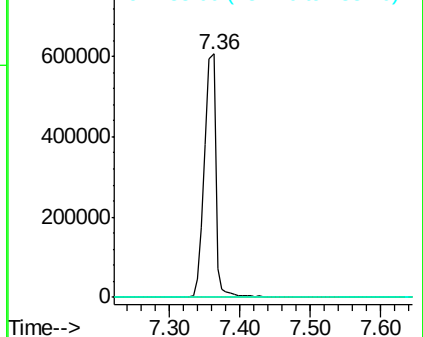
82 100

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: 20.00 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

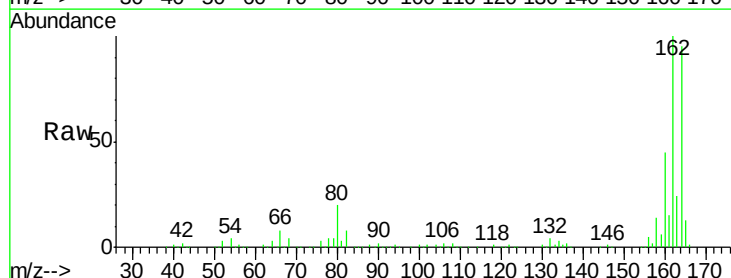
Tgt Ion: 164 Resp: 208845

Ion Ratio Lower Upper

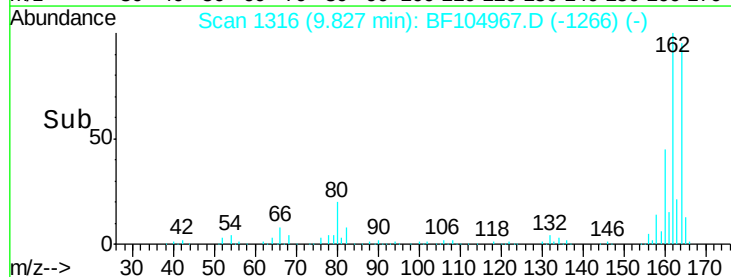
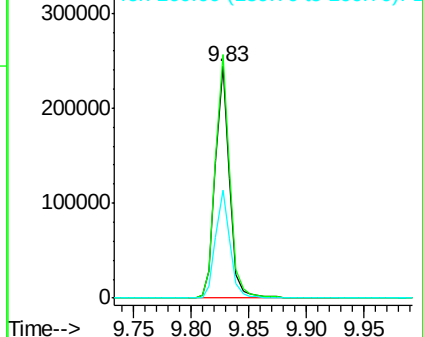
164 100

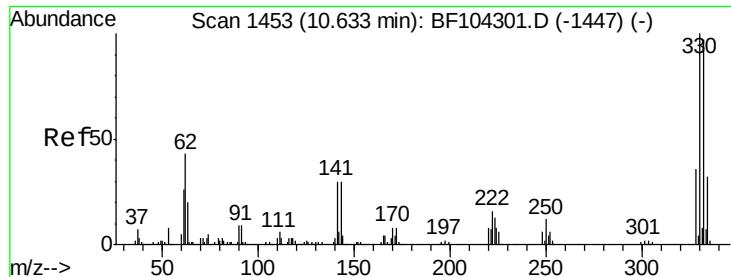
162 105.1 86.1 129.1

160 46.8 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: 71.51 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

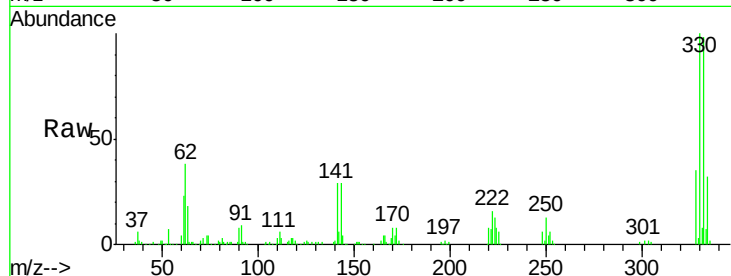
Tot Ion:330 Resp: 154927

Ion Ratio Lower Upper

330 100

332 97.7 77.0 115.6

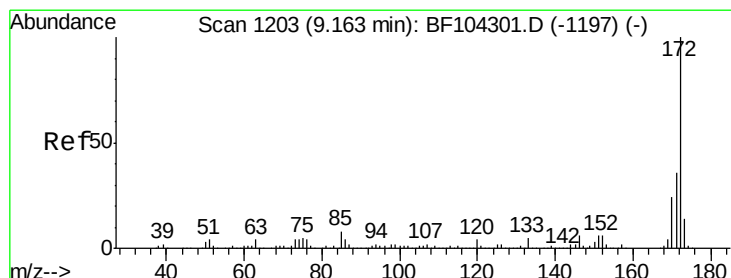
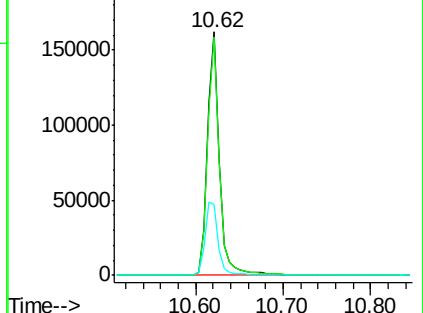
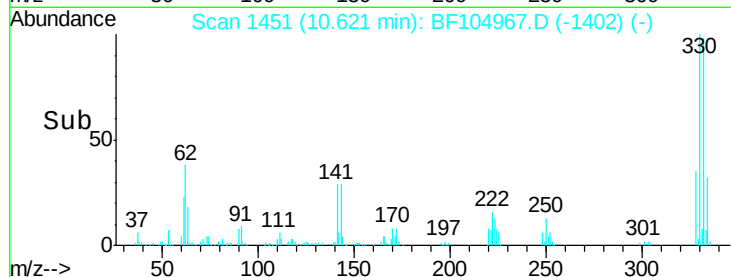
141 33.1 29.9 44.9



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: 89.04 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

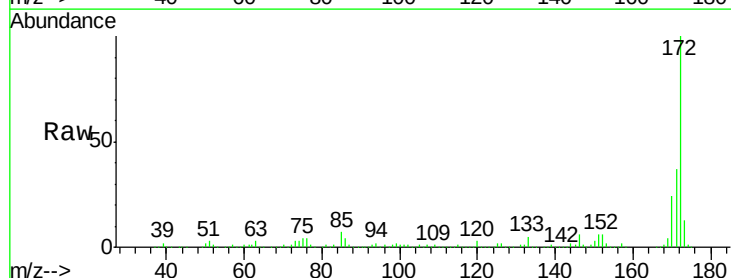
Tgt Ion:172 Resp: 1177179

Ion Ratio Lower Upper

172 100

171 36.5 29.7 44.5

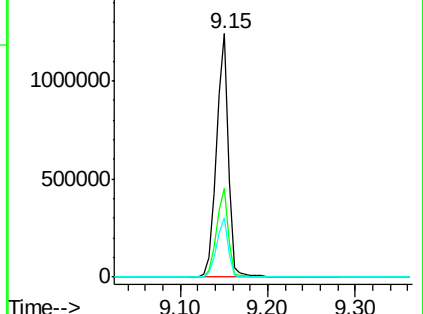
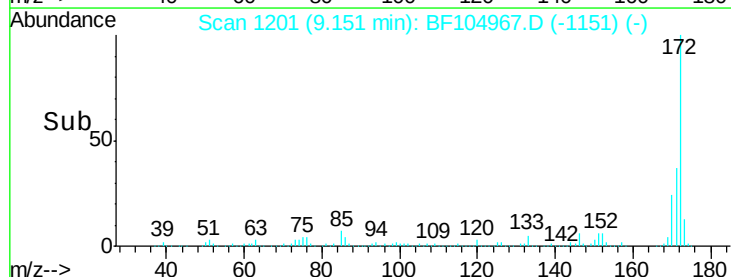
170 24.3 19.6 29.4

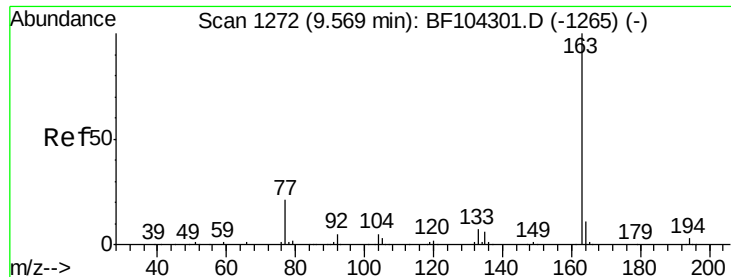


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

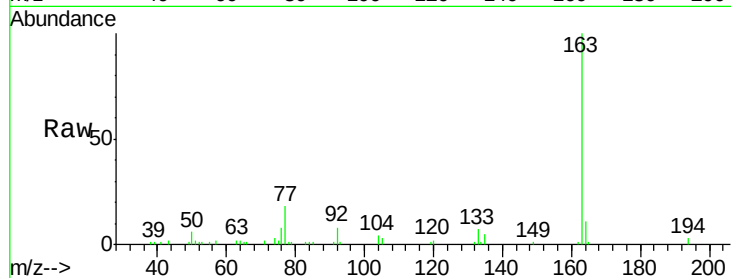




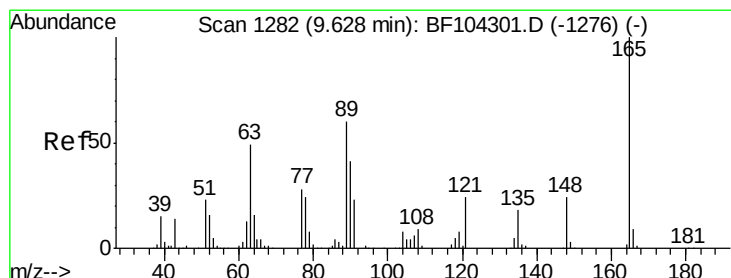
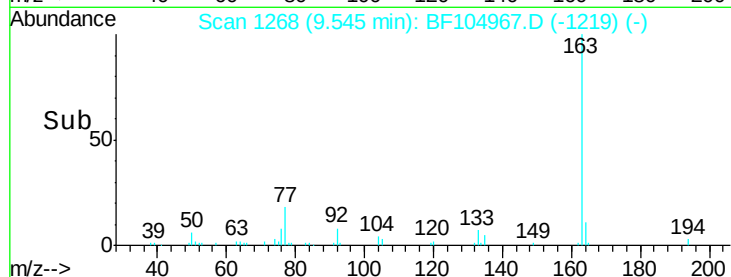
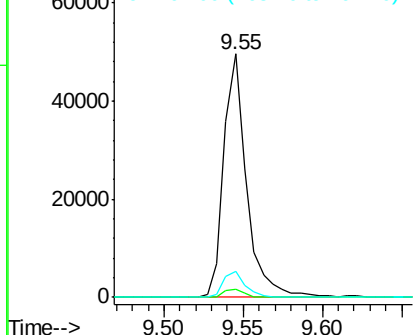
#49
Dimethylphthalate
Concen: 3.00 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF104967.D
Acq: 1 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 49458
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.9 8.2 12.2

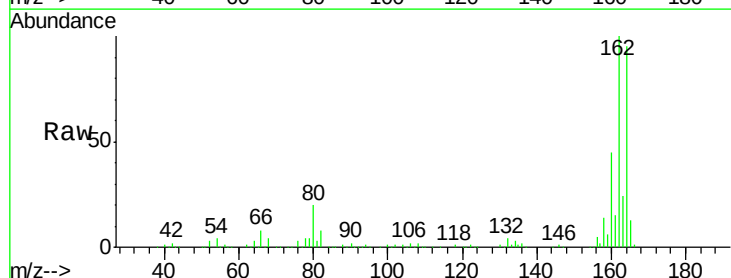


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

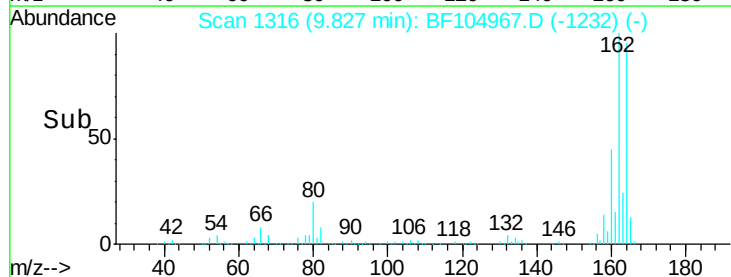
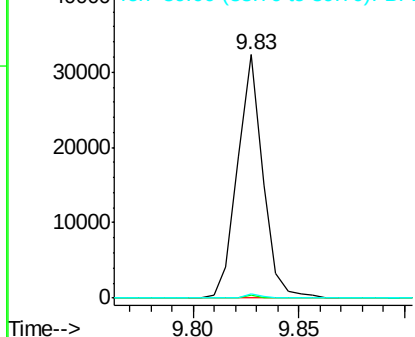


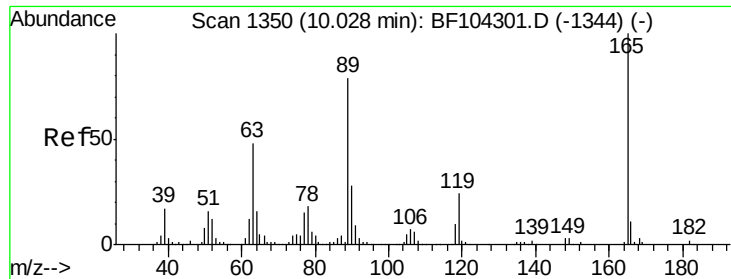
#50
2,6-Dinitrotoluene
Concen: 8.78 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.19 min
Lab File: BF104967.D
Acq: 1 May 2018 7:22

Tgt Ion:165 Resp: 26771
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.5 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

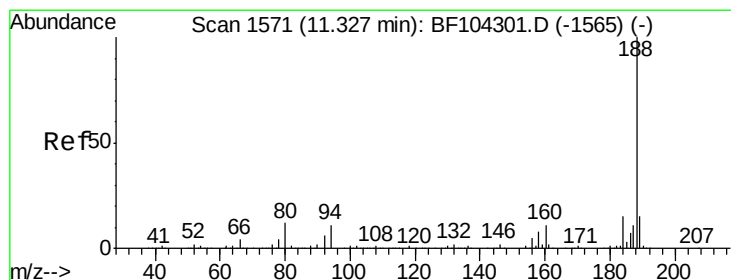
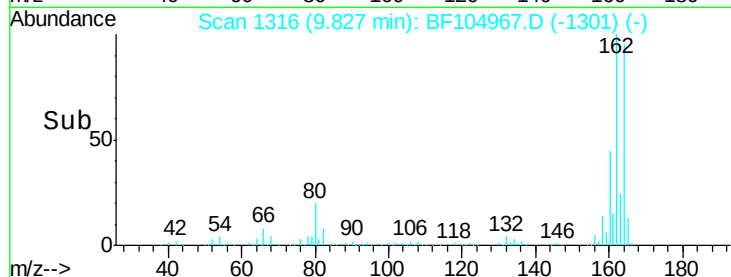
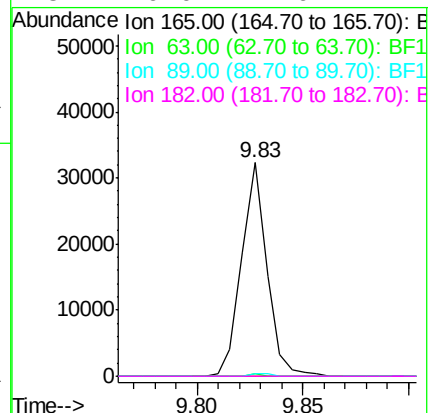
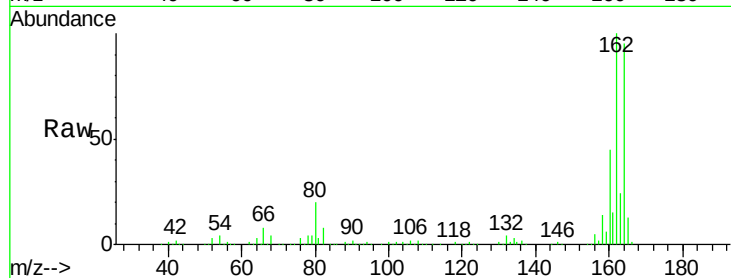




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104967.D
 Acq: 1 May 2018 7:22

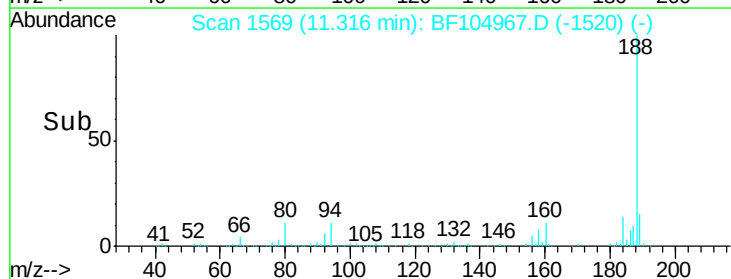
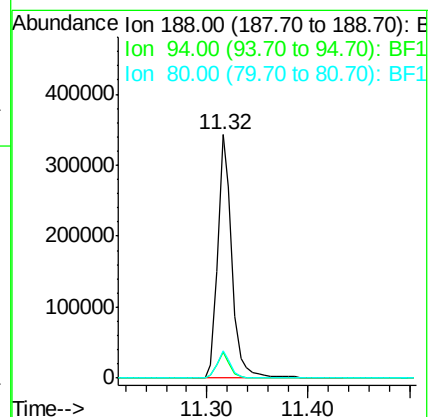
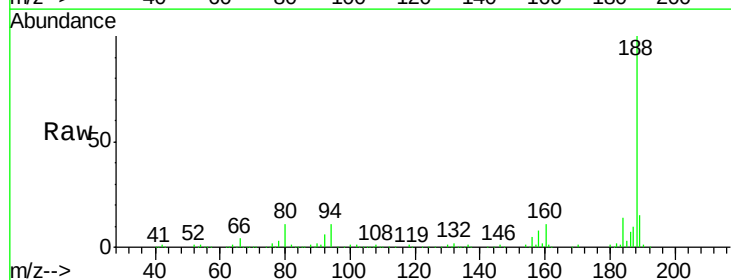
Instrument :
 BNA_F
 ClientSampled :

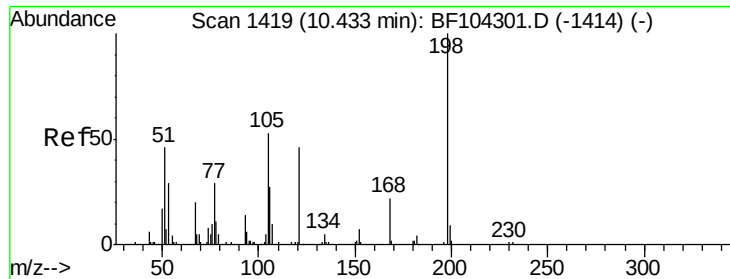
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF104967.D
 Acq: 1 May 2018 7:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.2	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.43 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.17 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

Instrument :

BNA_F

ClientSampleId :

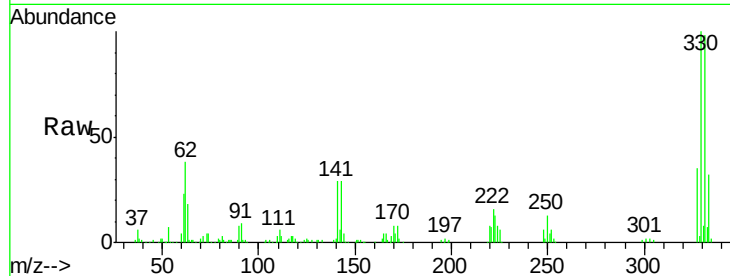
Tot Ion:198 Resp: 154

Ion Ratio Lower Upper

198 100

51 111.9 37.7 77.7#

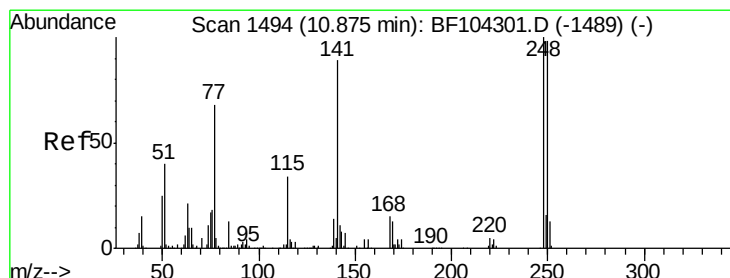
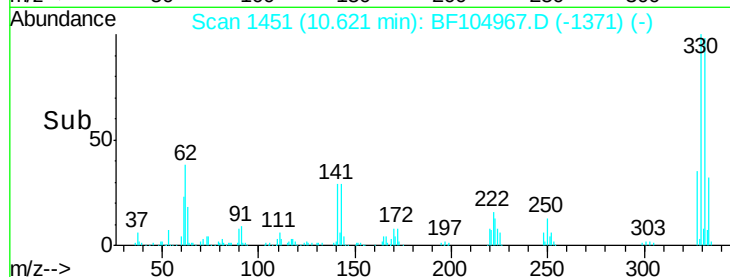
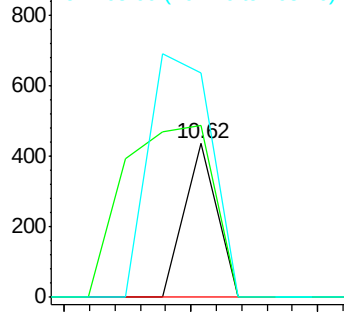
105 146.0 36.3 76.3#



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: 2.67 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF104967.D

Acq: 1 May 2018 7:22

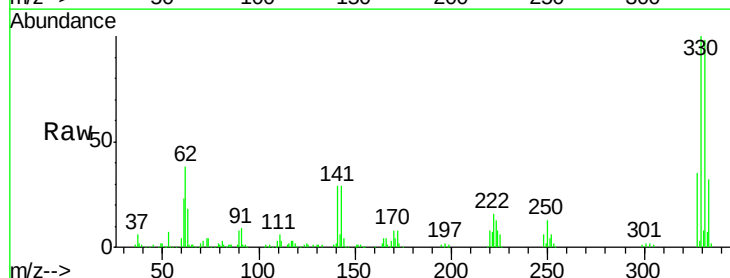
Tgt Ion:248 Resp: 9500

Ion Ratio Lower Upper

248 100

250 206.5 76.9 115.3#

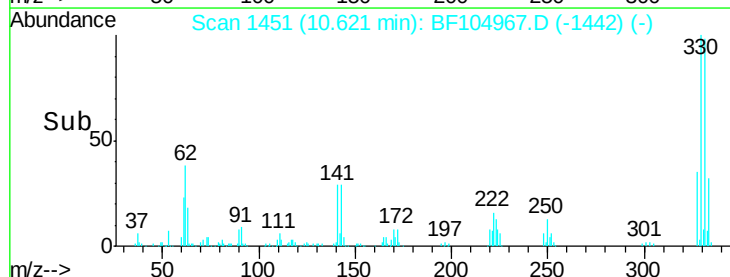
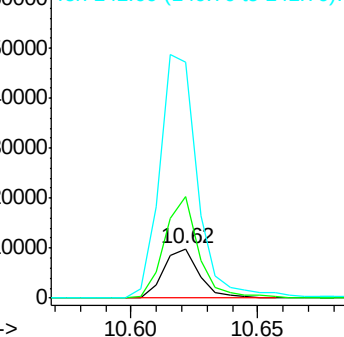
141 480.1 74.4 111.6#

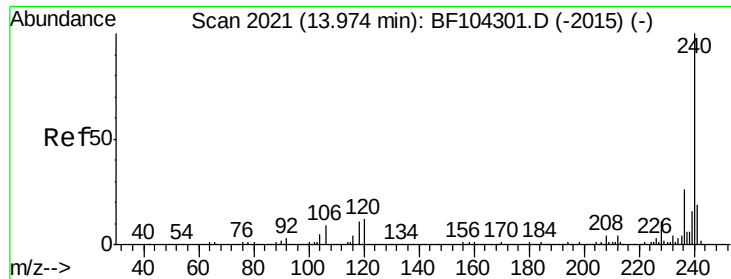


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

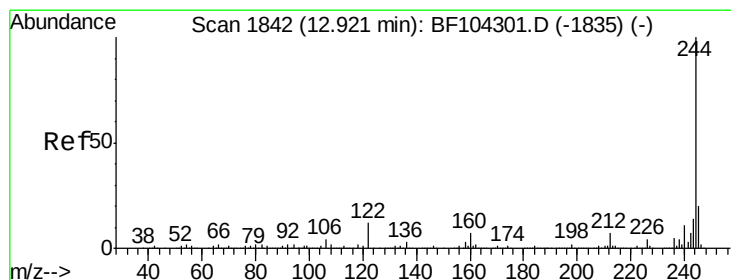
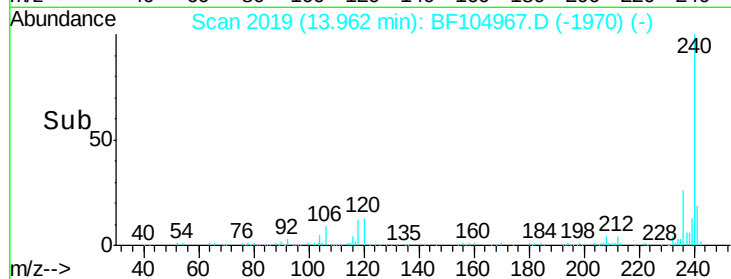
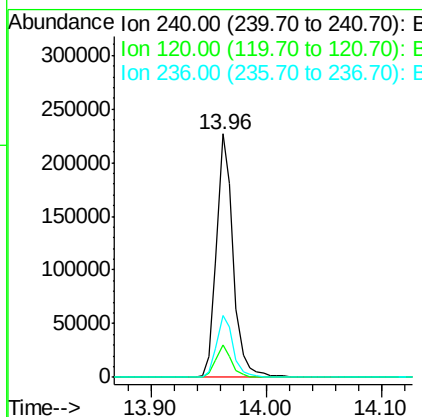
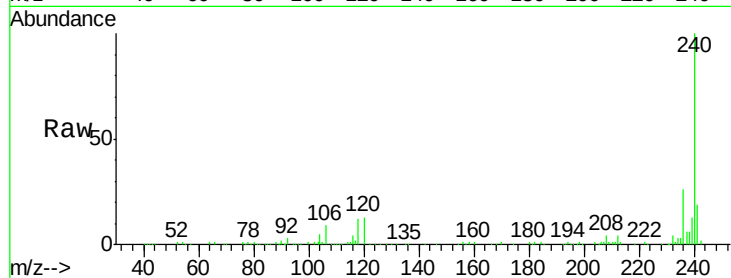




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF104967.D
 Acq: 1 May 2018 7:22

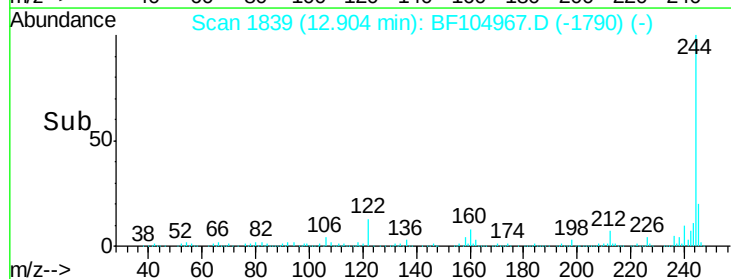
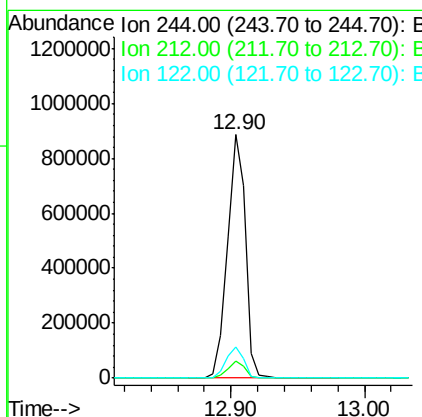
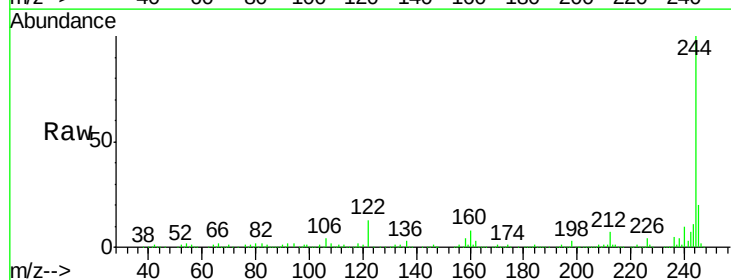
Instrument :
 BNA_F
 ClientSampleId :

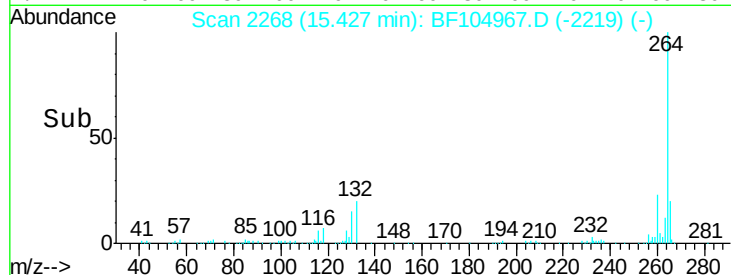
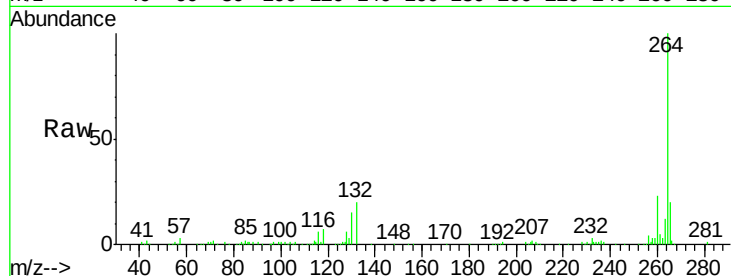
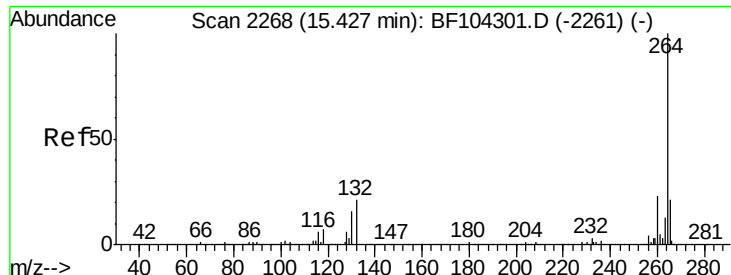
Tot Ion:240 Resp: 227661
 Ion Ratio Lower Upper
 240 100
 120 13.3 9.5 14.3
 236 25.7 20.7 31.1



#78
 Terphenyl-d14
 Concen: 84.60 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF104967.D
 Acq: 1 May 2018 7:22

Tgt Ion:244 Resp: 844852
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 12.9 11.0 16.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF104967.D
Acq: 1 May 2018 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	184675
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	20.5	17.5	26.3

