

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104347.D
 Acq On : 7 Apr 2018 9:50
 Operator : JU/SJ
 Sample : J2255-02
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 09 00:49:01 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

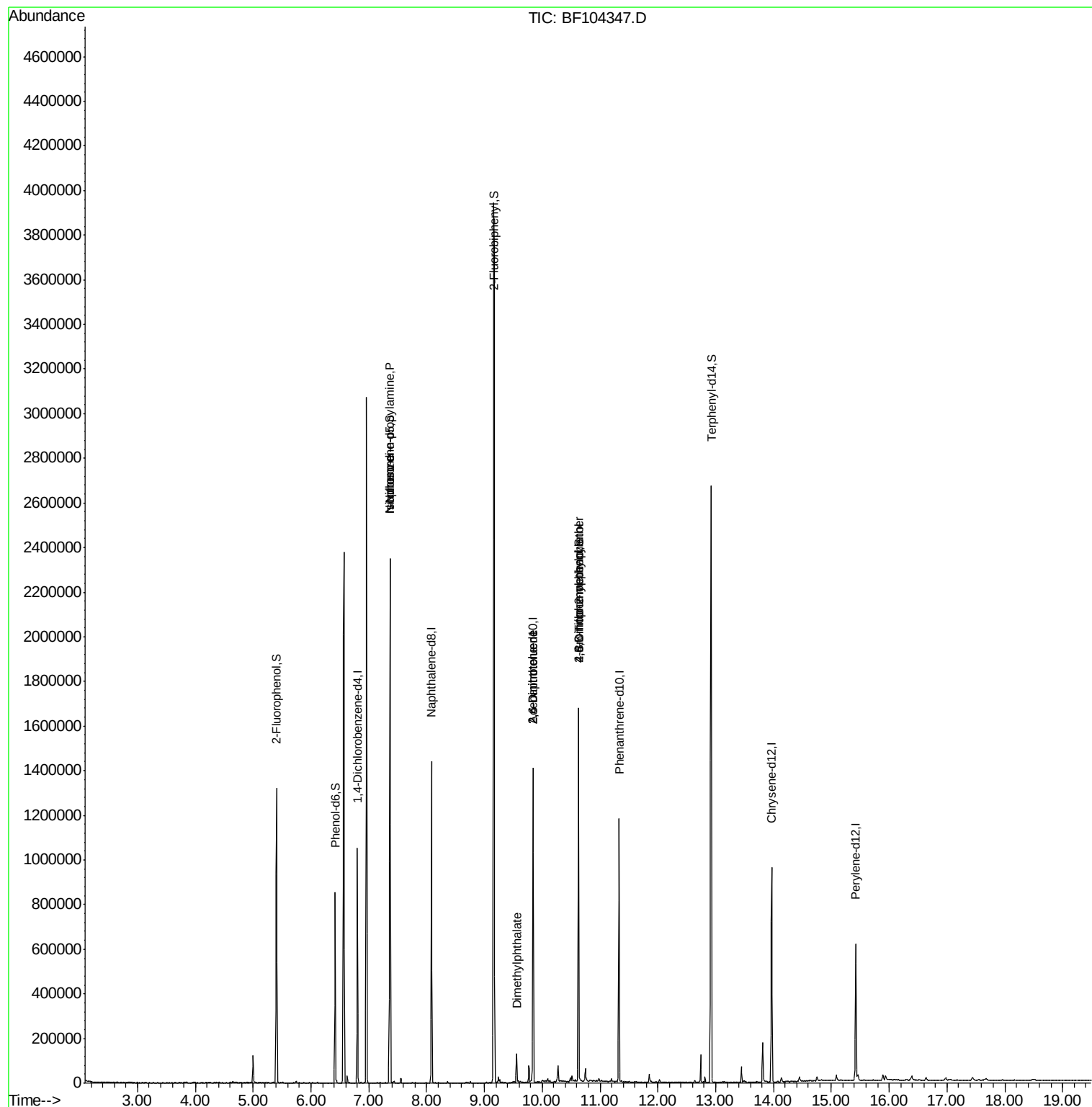
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	151405	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	596947	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	258809	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	379800	20.00	ng	0.00
75) Chrysene-d12	13.97	240	296795	20.00	ng	0.00
86) Perylene-d12	15.42	264	269622	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	346466	34.99	ng	0.00
7) Phenol-d6	6.42	99	256340	21.07	ng	-0.01
23) Nitrobenzene-d5	7.37	82	840100	91.90	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	194189	72.33	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1411814	86.18	ng	0.00
78) Terphenyl-d14	12.92	244	972587	74.71	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	110655	13.919	ng	# 73
25) Isophorone	7.37	82	839573	43.430	ng	# 64
49) Dimethylphthalate	9.56	163	50518	2.475	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	33288	8.815	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	33288	6.720	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	400	7.530	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12020	2.975	ng	# 1
76) Benzidine	12.92	184	12884	Below Cal		98

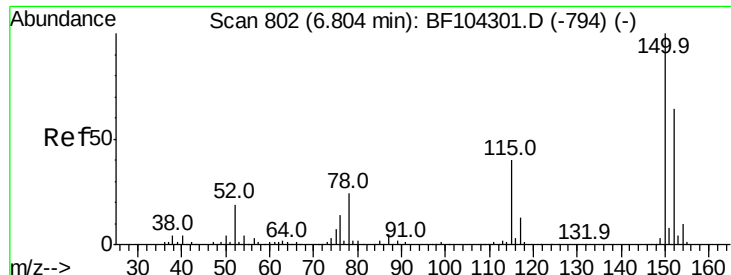
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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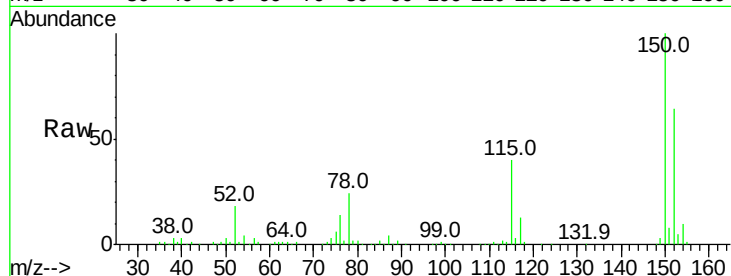


#1

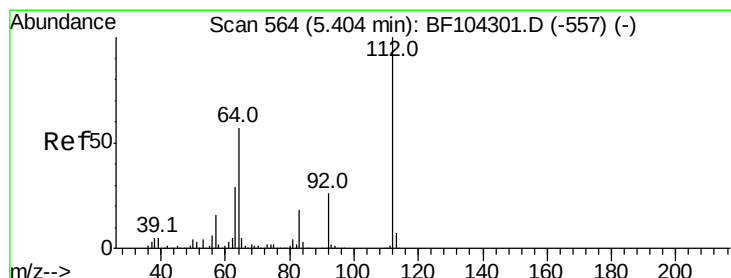
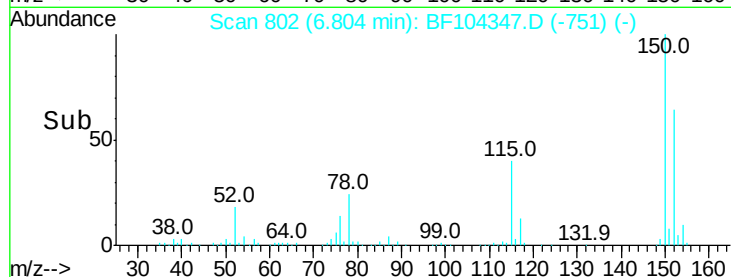
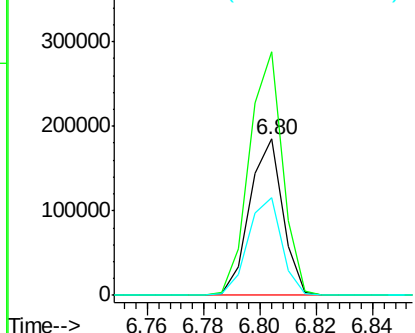
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104347.D
Acq: 7 Apr 2018 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	62.1	50.1	75.1



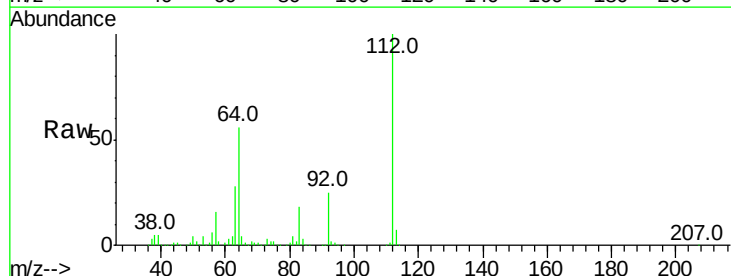
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



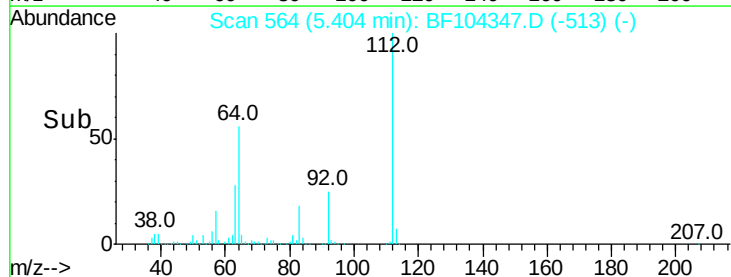
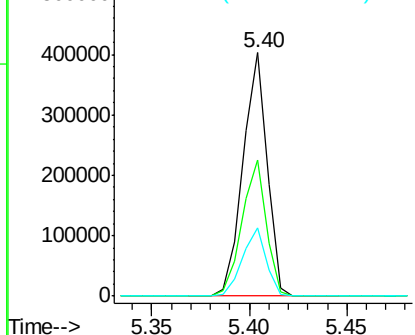
#5

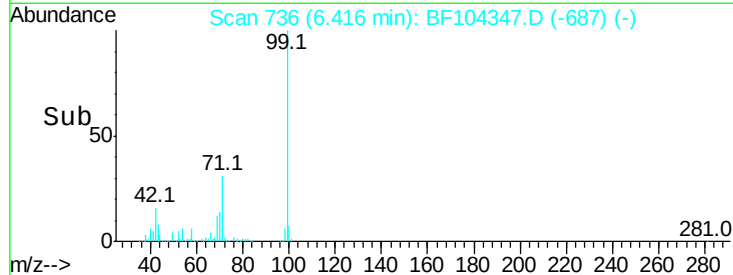
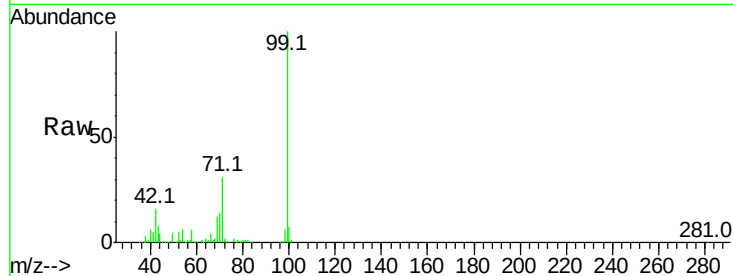
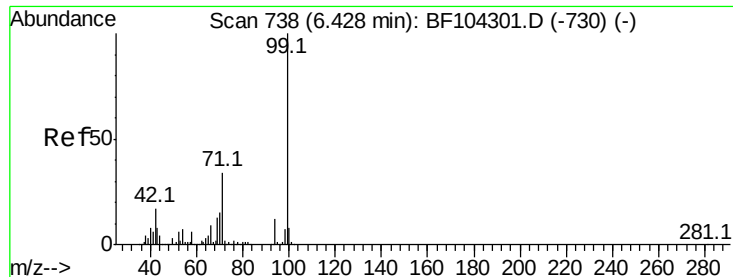
2-Fluorophenol
Concen: 34.990 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF104347.D
Acq: 7 Apr 2018 9:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	27.9	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: 21.070 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104347.D

Acq: 7 Apr 2018 9:50

Instrument :

BNA_F

ClientSampleId :

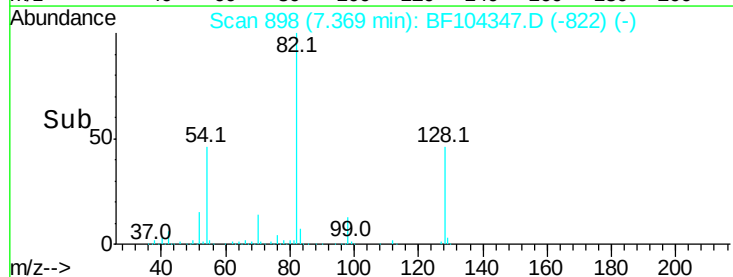
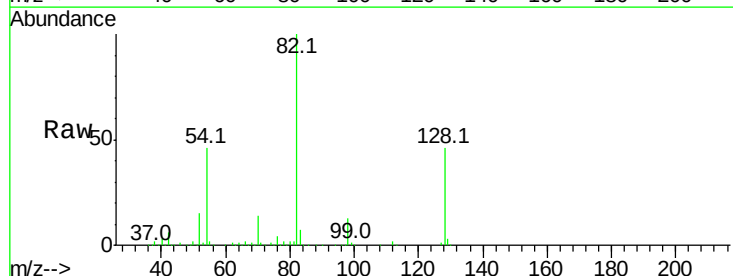
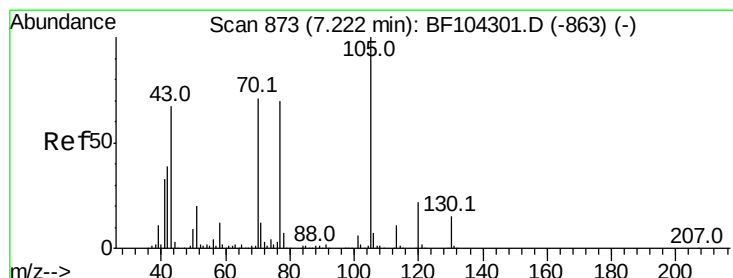
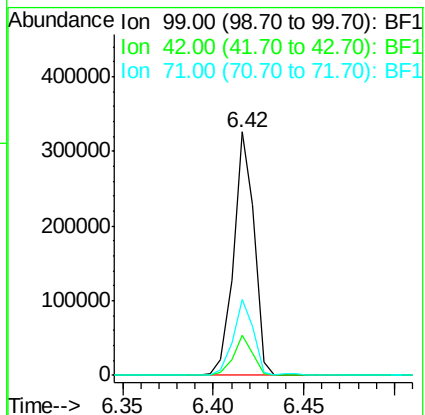
Tot Ion: 99 Resp: 256340

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 31.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.919 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104347.D

Acq: 7 Apr 2018 9:50

Tgt Ion: 70 Resp: 110655

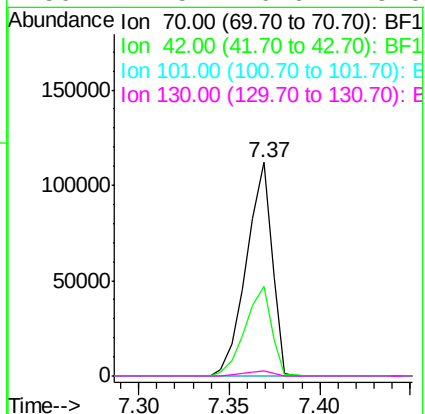
Ion Ratio Lower Upper

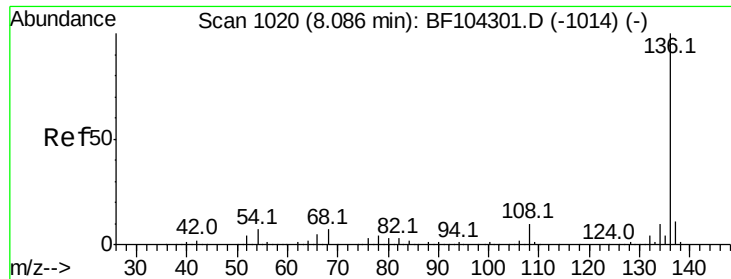
70 100

42 41.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

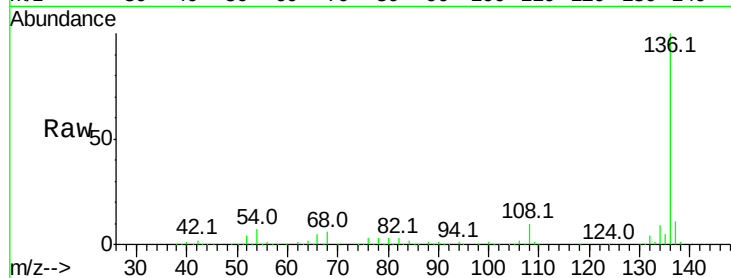




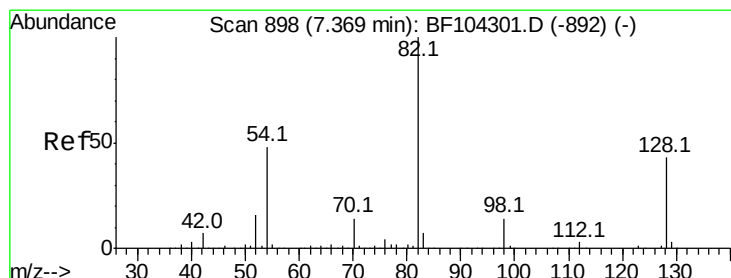
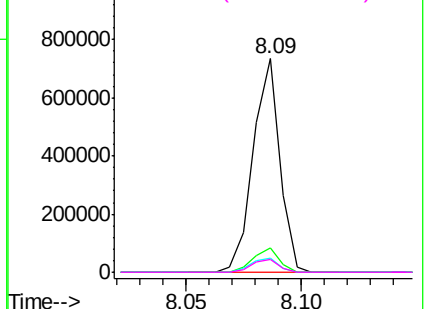
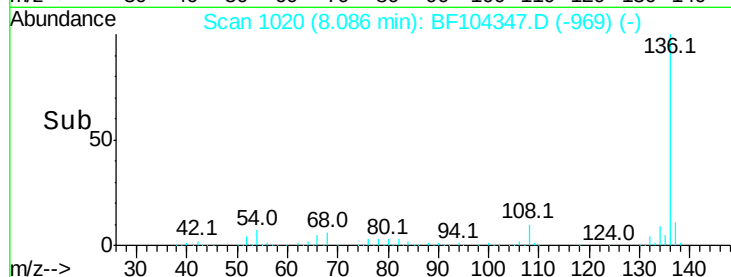
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104347.D
Acq: 7 Apr 2018 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	596947
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.8	6.6	9.8
68	6.0	5.0	7.4

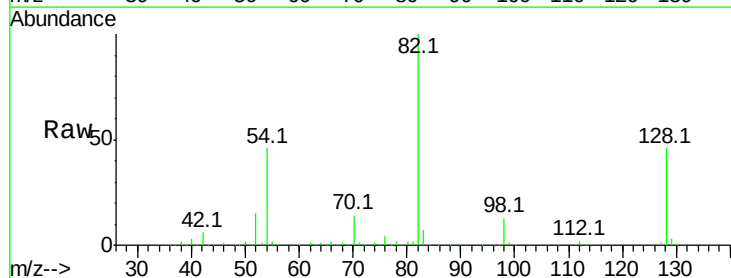


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

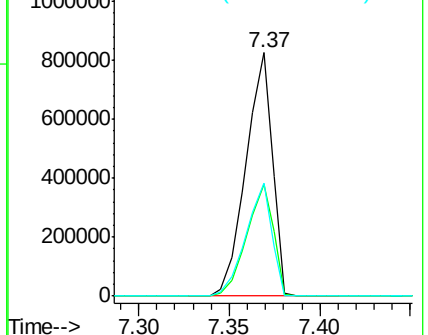
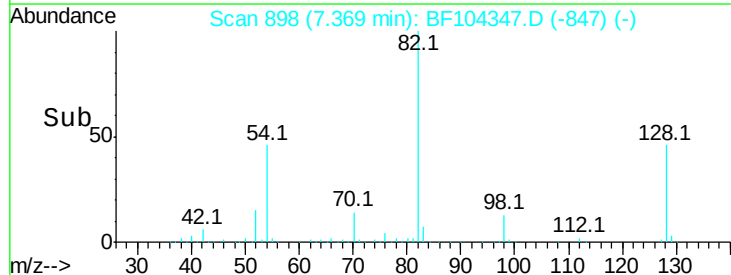


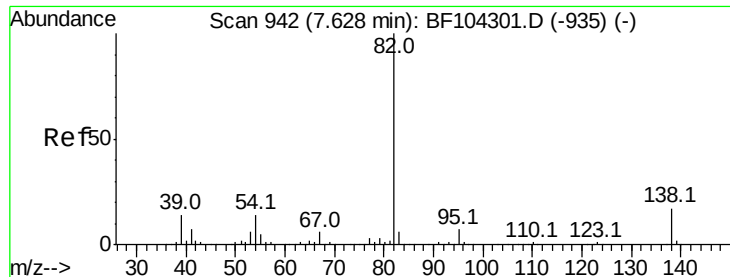
#23
Nitrobenzene-d5
Concen: 91.896 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104347.D
Acq: 7 Apr 2018 9:50

Tgt Ion:	82	Resp:	840100
Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	46.2	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: 43.430 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104347.D

Acq: 7 Apr 2018 9:50

Instrument :

BNA_F

ClientSampleId :

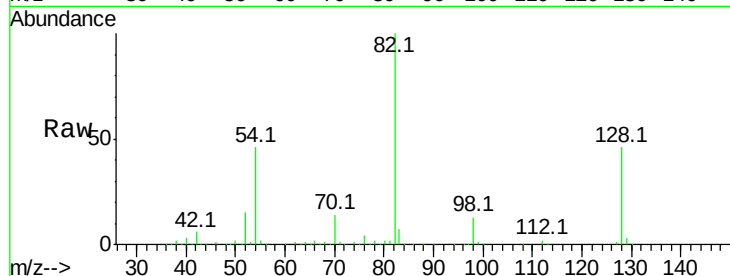
Tot Ion: 82 Resp: 839573

Ion Ratio Lower Upper

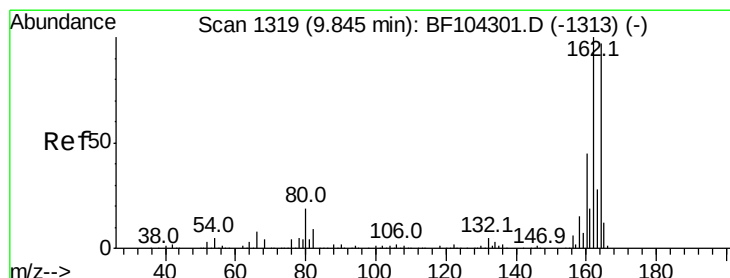
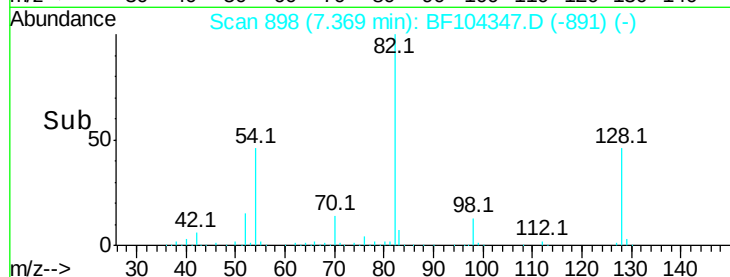
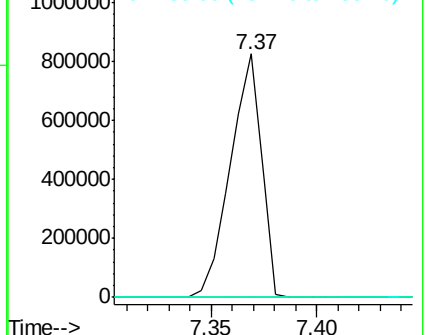
82 100

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: BF104347.D

Acq: 7 Apr 2018 9:50

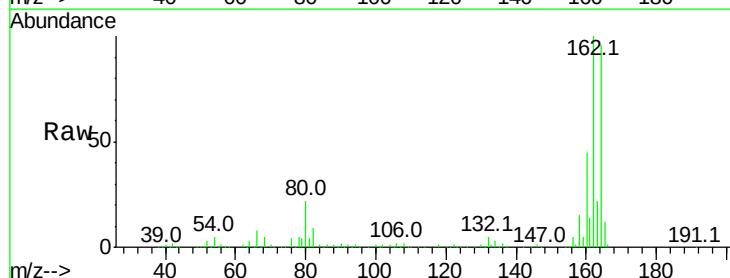
Tgt Ion:164 Resp: 258809

Ion Ratio Lower Upper

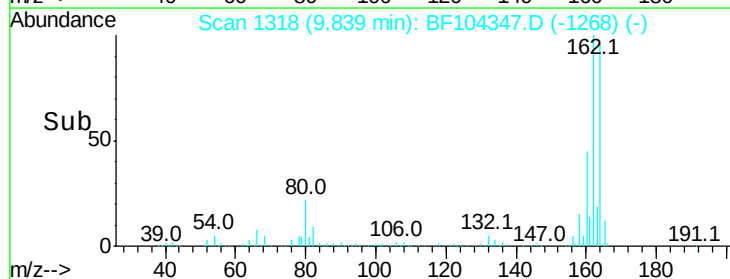
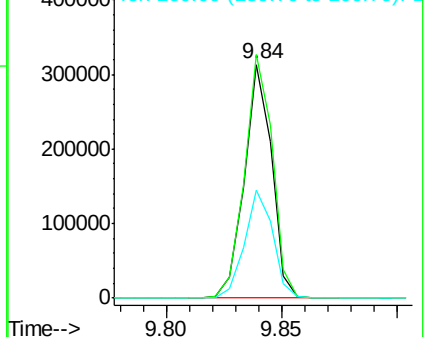
164 100

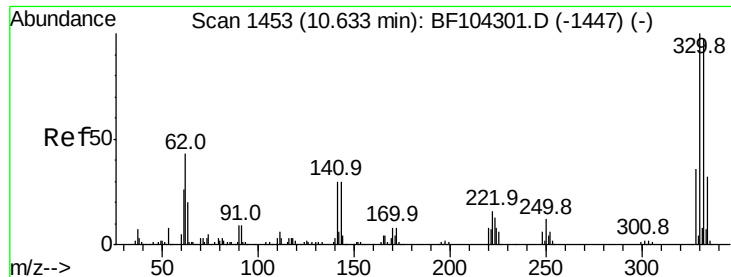
162 104.1 86.1 129.1

160 46.4 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

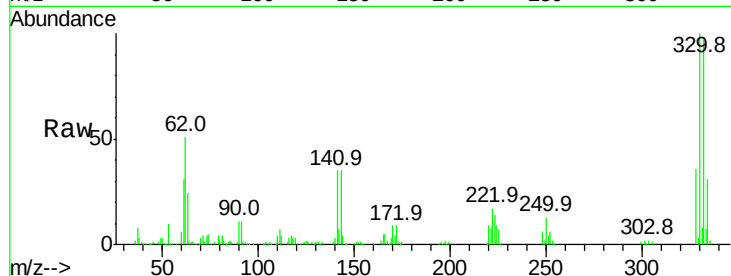




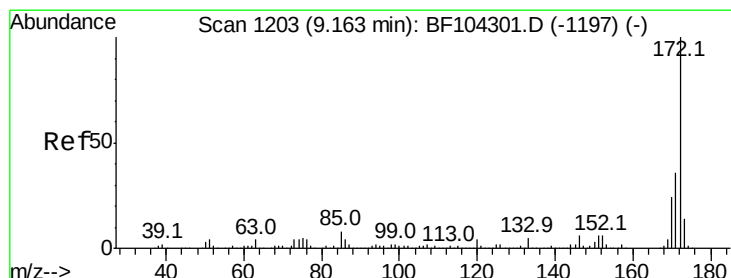
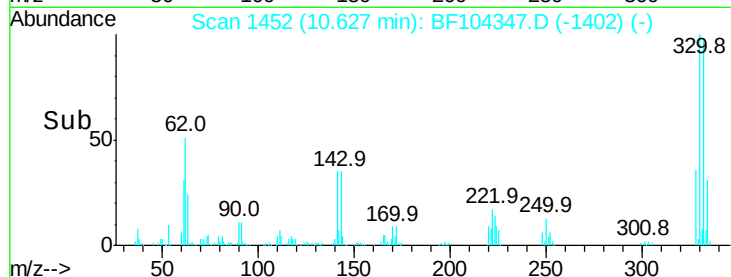
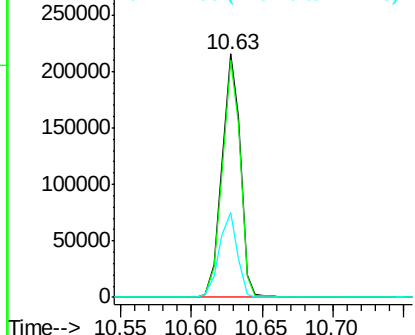
#41
 2,4,6-Tribromophenol
 Concen: 72.332 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104347.D
 Acq: 7 Apr 2018 9:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 194189
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 34.3 29.9 44.9

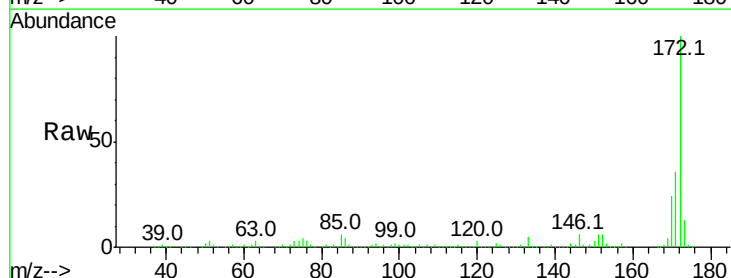


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

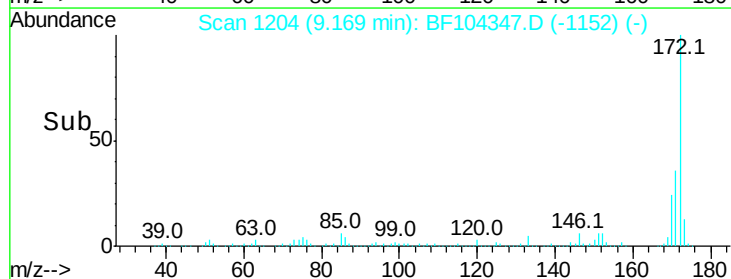
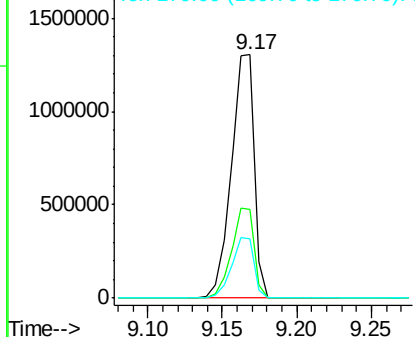


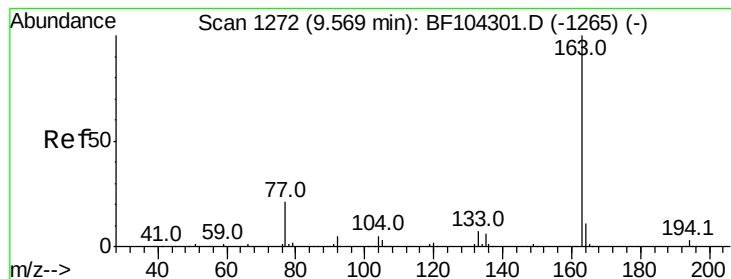
#44
 2-Fluorobiphenyl
 Concen: 86.176 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104347.D
 Acq: 7 Apr 2018 9:50

Tgt Ion:172 Resp: 1411814
 Ion Ratio Lower Upper
 172 100
 171 36.4 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: 2.475 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104347.D

Acq: 7 Apr 2018 9:50

Instrument :

BNA_F

ClientSampleId :

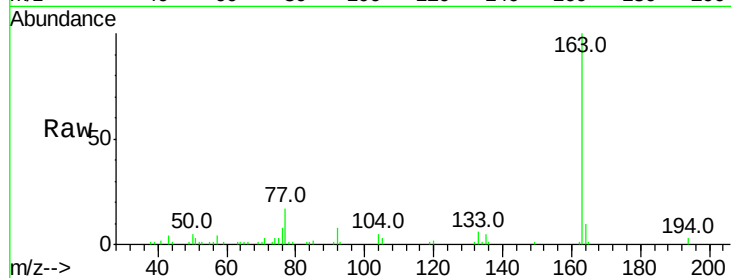
Tot Ion:163 Resp: 50518

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

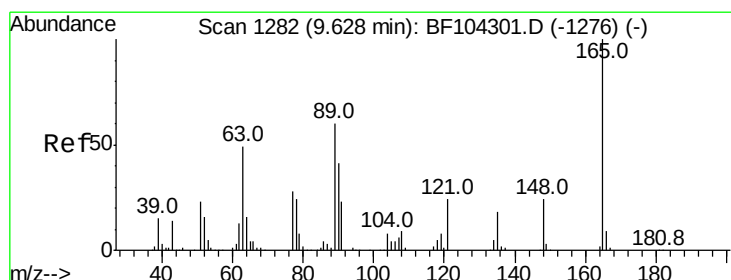
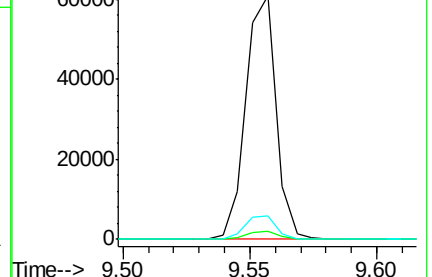
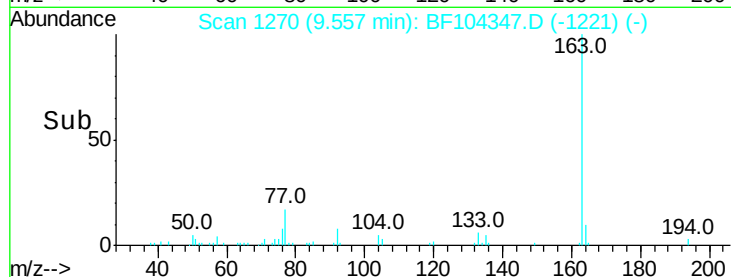
164 9.6 8.2 12.2



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: 8.815 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104347.D

Acq: 7 Apr 2018 9:50

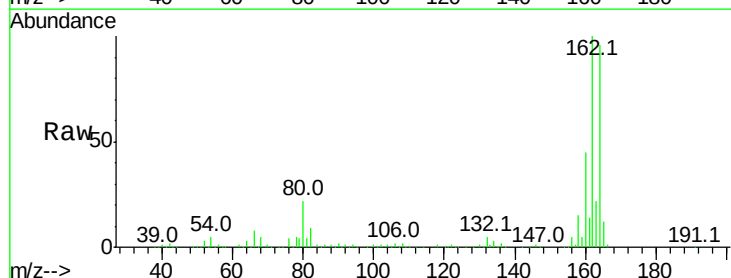
Tgt Ion:165 Resp: 33288

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

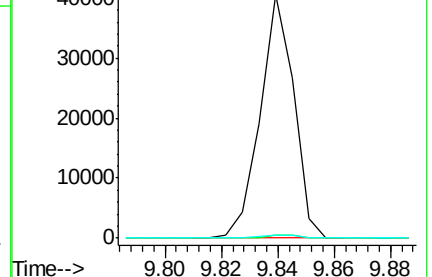
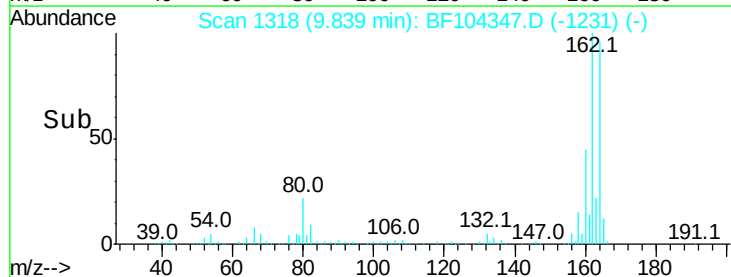
89 1.5 44.0 66.0#

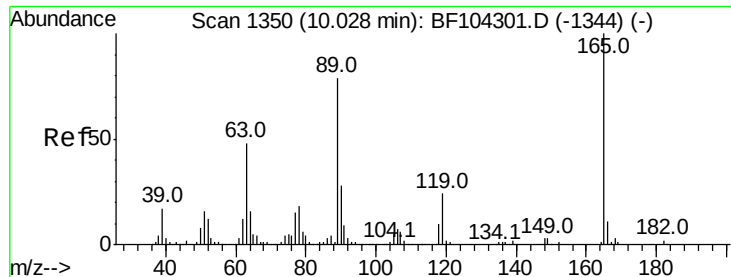


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

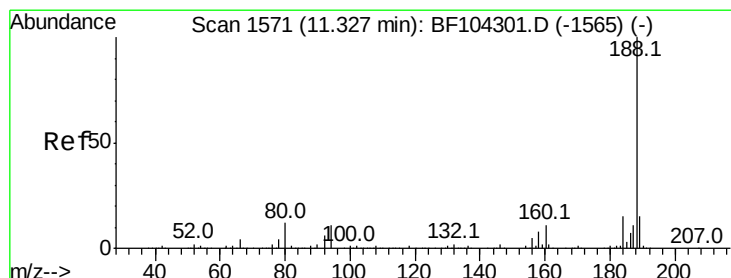
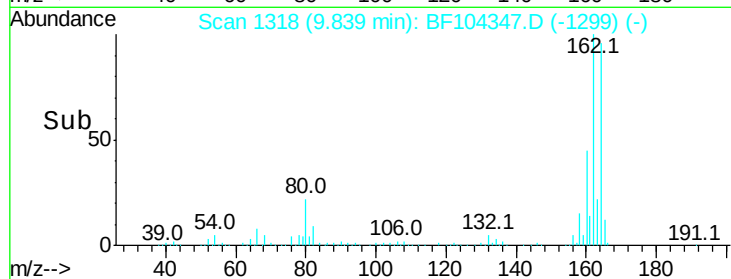
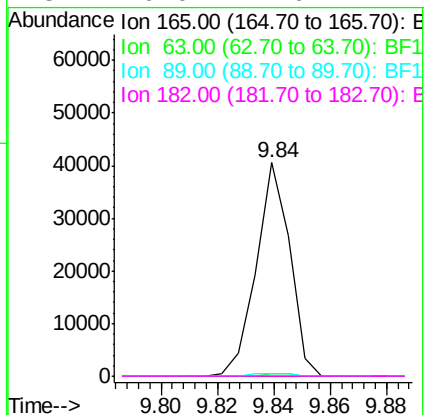
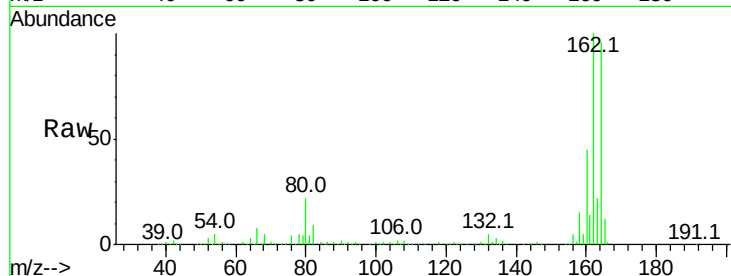




#56
 2,4-Dinitrotoluene
 Concen: 6.720 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104347.D
 Acq: 7 Apr 2018 9:50

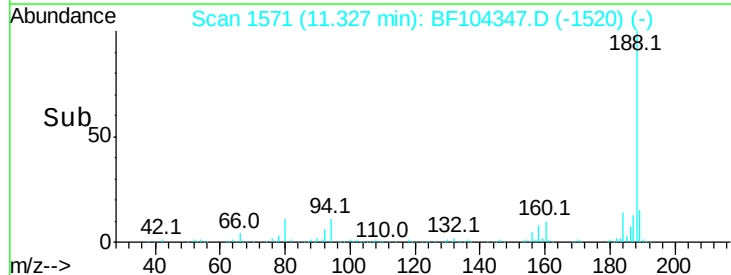
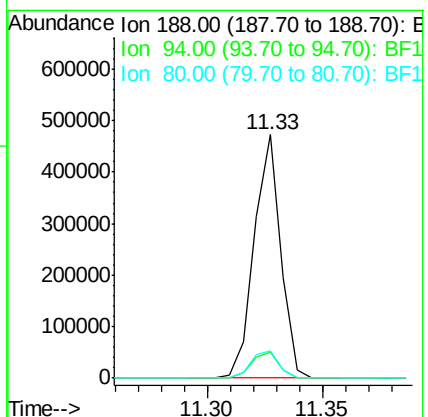
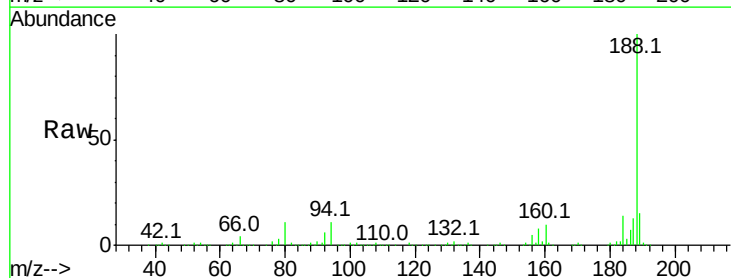
Instrument :
 BNA_F
 ClientSampleId :

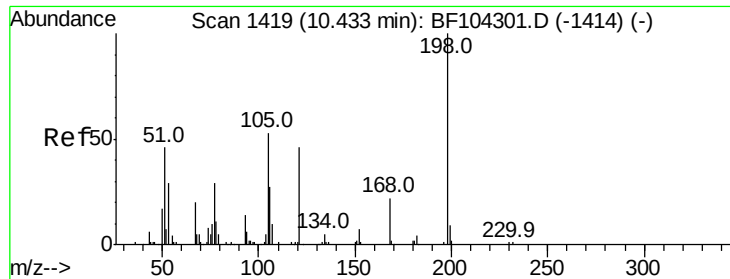
Tot Ion:	165	Resp:	33288
Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF104347.D
 Acq: 7 Apr 2018 9:50

Tgt Ion:	188	Resp:	379800
Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.1	9.2	13.8

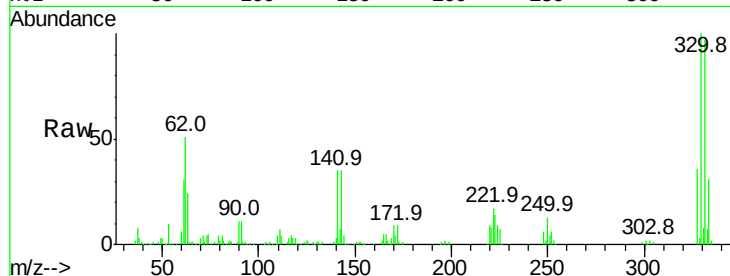




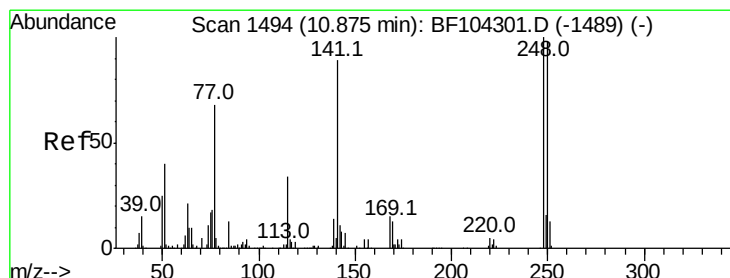
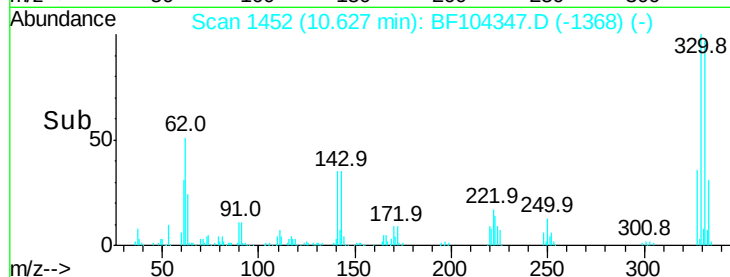
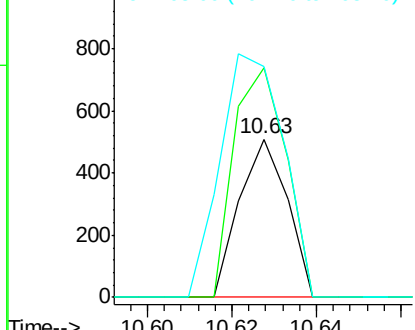
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.530 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.19 min
 Lab File: BF104347.D
 Acq: 7 Apr 2018 9:50

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:198 Resp: 400
 Ion Ratio Lower Upper
 198 100
 51 145.2 37.7 77.7#
 105 146.0 36.3 76.3#

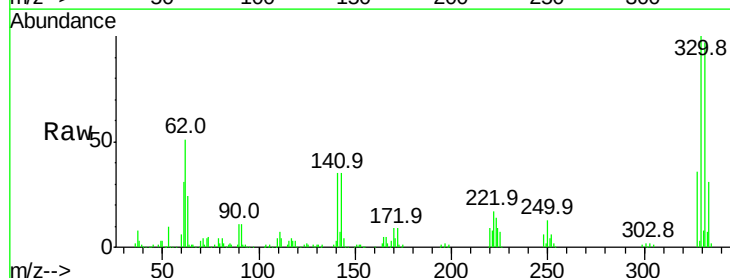


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

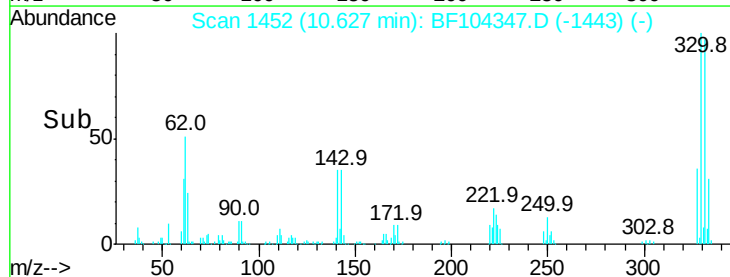
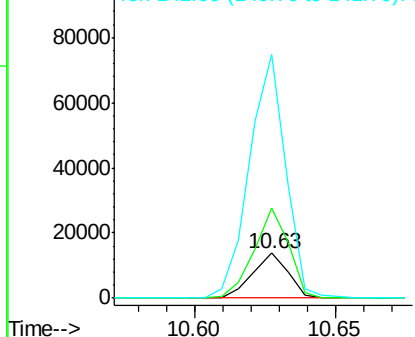


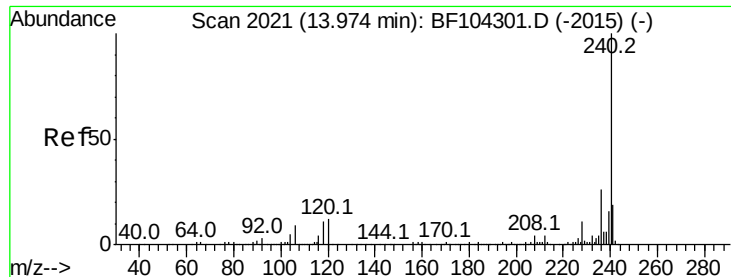
#66
 4-Bromophenyl-phenylether
 Concen: 2.975 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104347.D
 Acq: 7 Apr 2018 9:50

Tgt Ion:248 Resp: 12020
 Ion Ratio Lower Upper
 248 100
 250 200.5 76.9 115.3#
 141 544.3 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: BF104347.D

Acq: 7 Apr 2018 9:50

Instrument :

BNA_F

ClientSampleId :

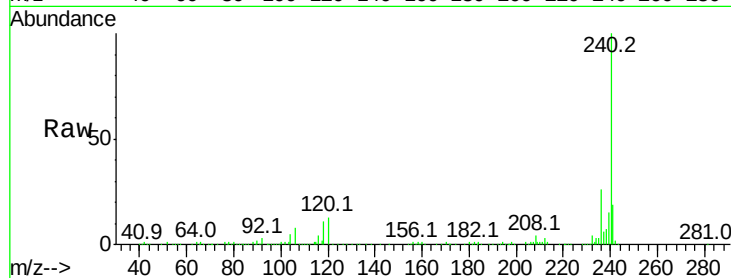
Tot Ion:240 Resp: 296795

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

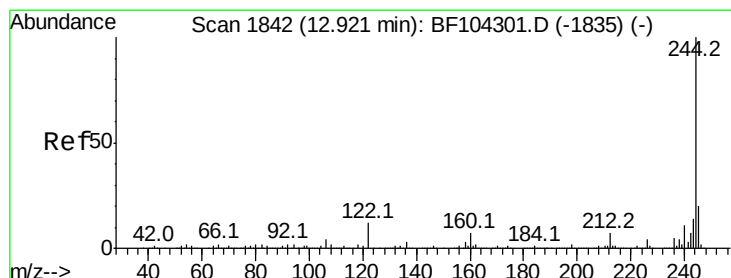
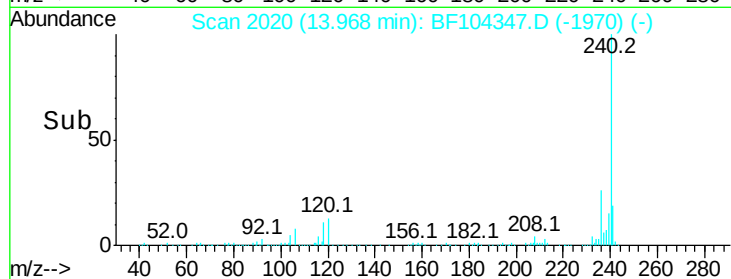
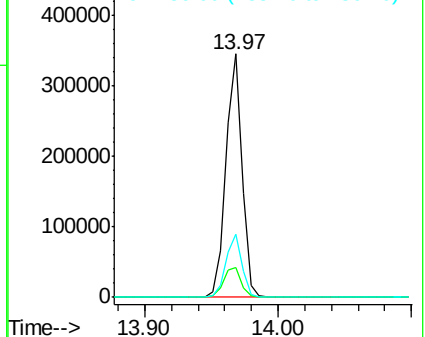
236 26.1 20.7 31.1



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: 74.709 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104347.D

Acq: 7 Apr 2018 9:50

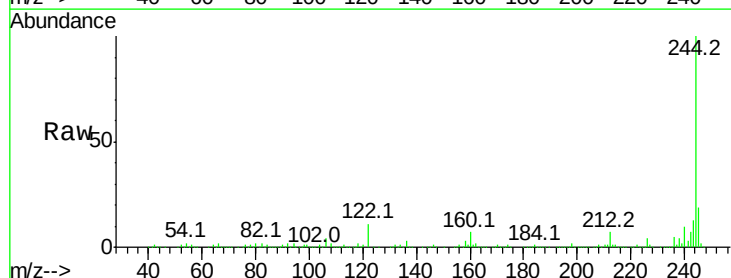
Tgt Ion:244 Resp: 972587

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

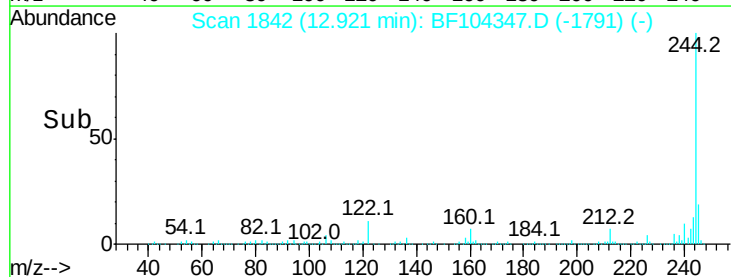
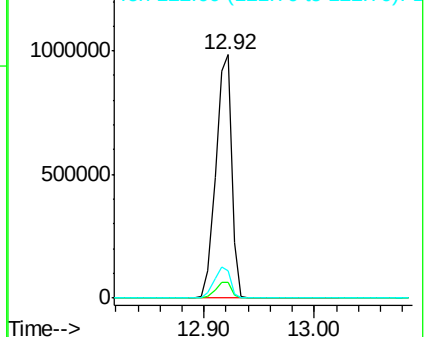
122 11.4 11.0 16.4

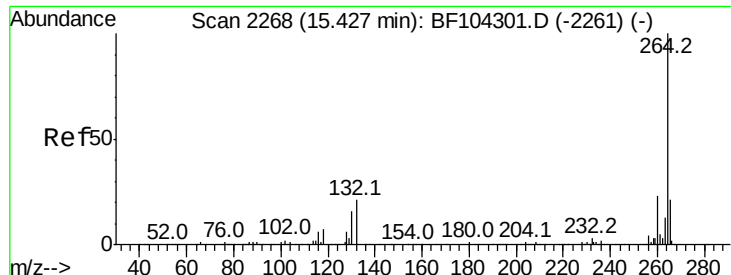


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF104347.D
Acq: 7 Apr 2018 9:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.5	17.5	26.3

