

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104341.D
 Acq On : 7 Apr 2018 7:12
 Operator : JU/SJ
 Sample : J2225-16
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 09 00:47:34 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

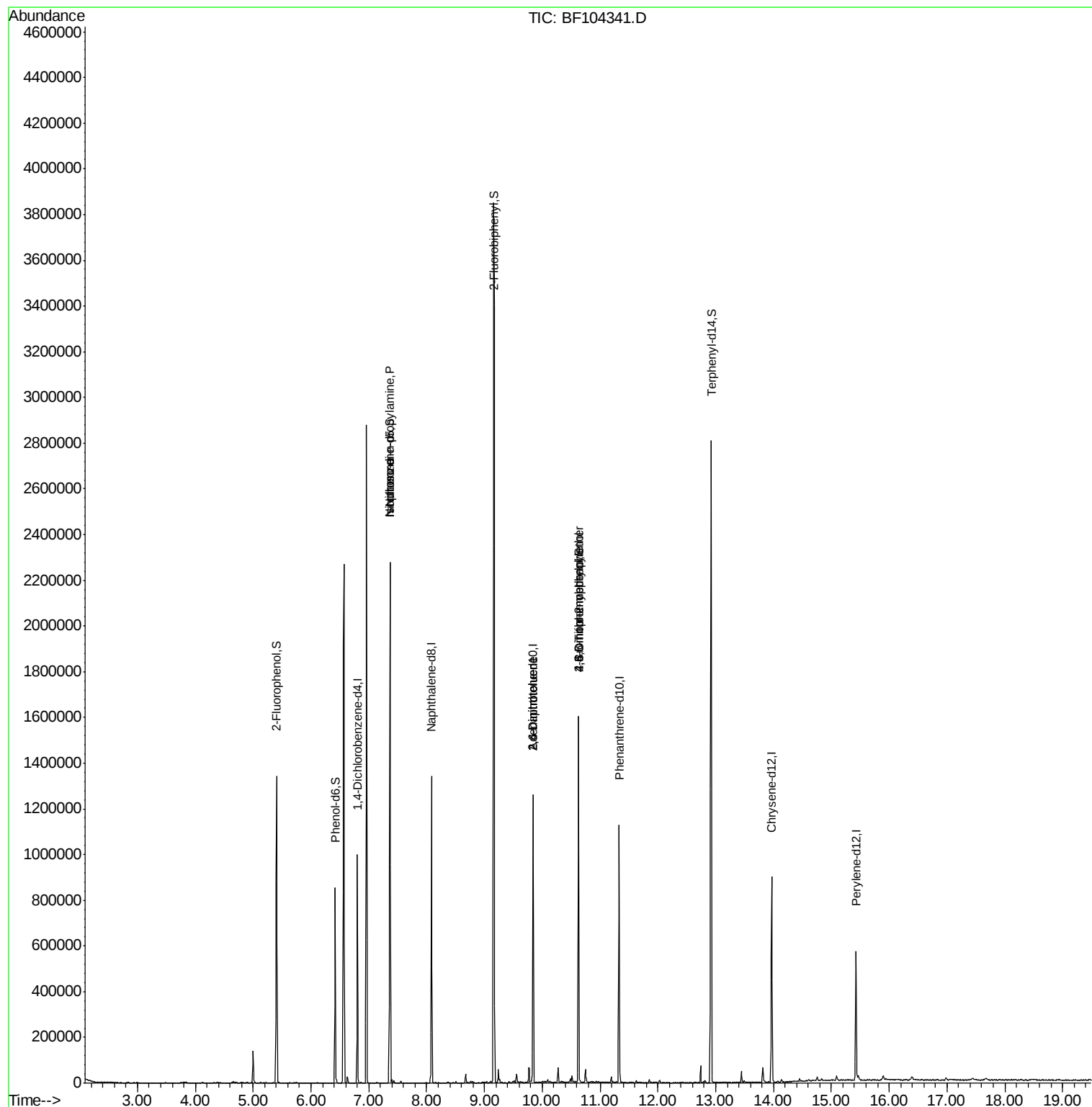
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	138093	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	543243	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	236630	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	357439	20.00	ng	0.00
75) Chrysene-d12	13.97	240	270271	20.00	ng	0.00
86) Perylene-d12	15.43	264	245615	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	348037	38.54	ng	0.00
7) Phenol-d6	6.42	99	262658	23.67	ng	-0.01
23) Nitrobenzene-d5	7.37	82	782429	94.05	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	180222	73.42	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1319107	88.06	ng	0.00
78) Terphenyl-d14	12.92	244	971482	81.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	102667	14.159	ng	# 74
25) Isophorone	7.37	82	781996	44.450	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	30016	8.693	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	30016	6.627	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	365	7.525	ng	# 4
66) 4-Bromophenyl-phenylether	10.63	248	11210	2.948	ng	# 1
76) Benzidine	12.92	184	13055	Below Cal		97

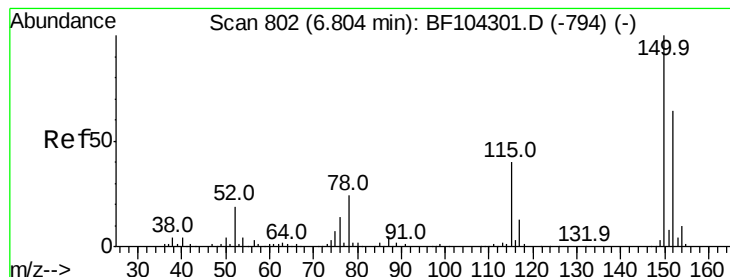
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF104341.D

Acq: 7 Apr 2018 7:12

Instrument :

BNA_F

ClientSampleId :

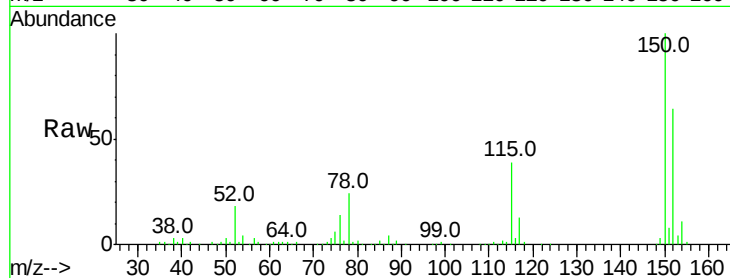
Tot Ion:152 Resp: 138093

Ion Ratio Lower Upper

152 100

150 155.3 124.6 186.8

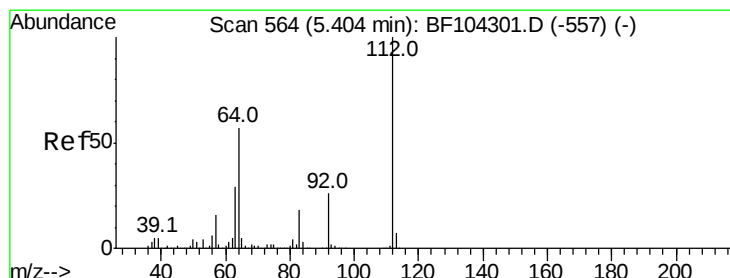
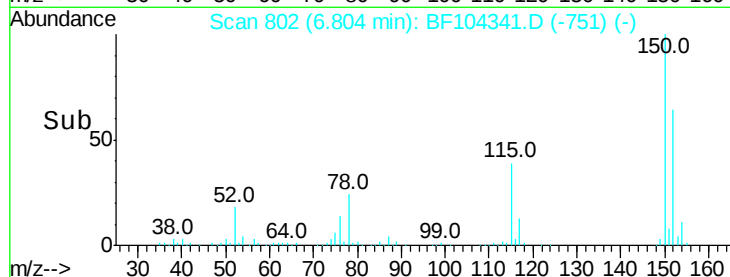
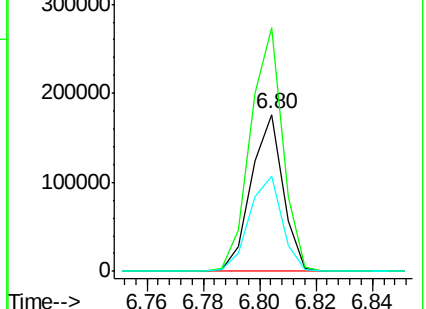
115 60.7 50.1 75.1



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: 38.537 ng

RT: 5.40 min Scan# 564

Delta R.T. 0.00 min

Lab File: BF104341.D

Acq: 7 Apr 2018 7:12

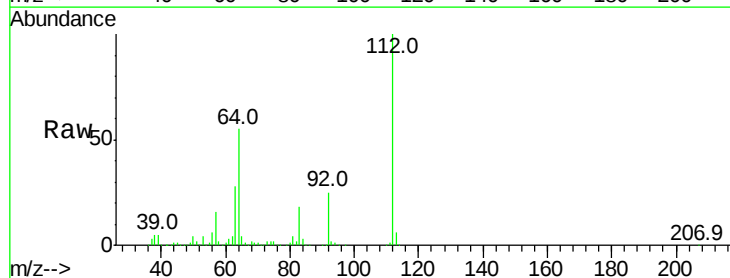
Tgt Ion:112 Resp: 348037

Ion Ratio Lower Upper

112 100

64 55.5 47.9 71.9

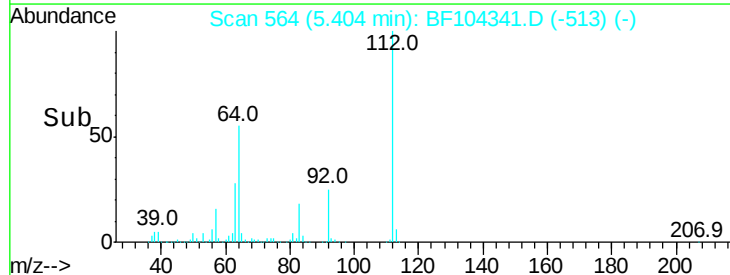
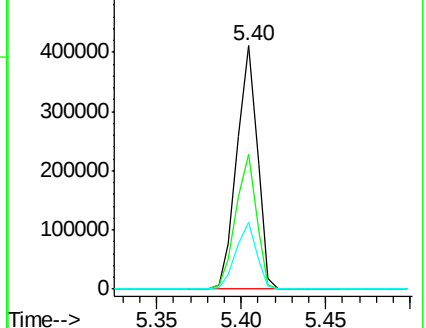
63 27.7 23.7 35.5

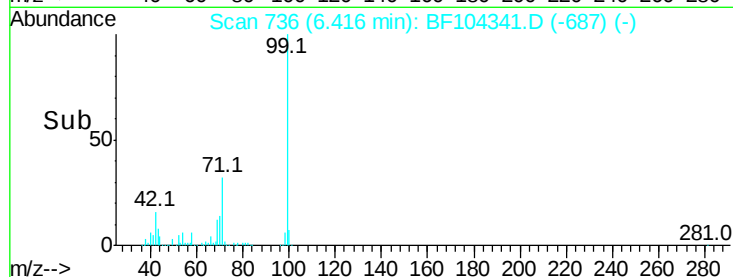
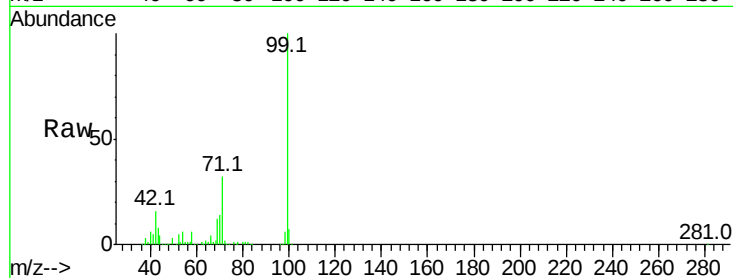
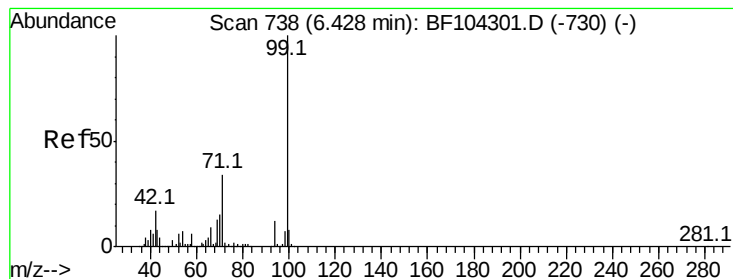


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.670 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104341.D

Acq: 7 Apr 2018 7:12

Instrument :

BNA_F

ClientSampleId :

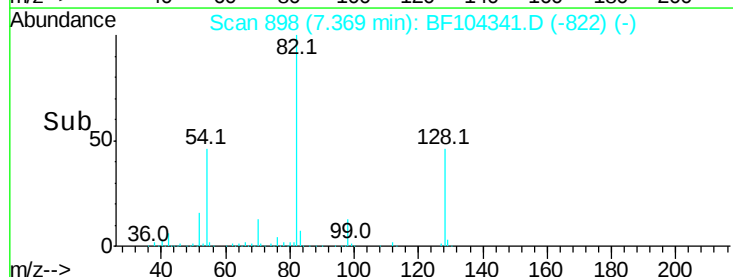
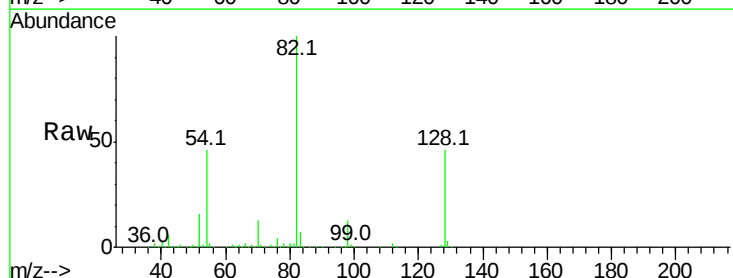
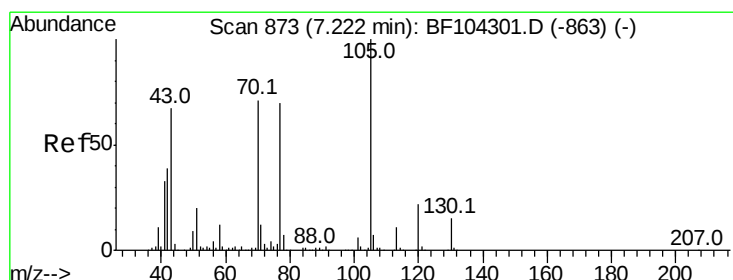
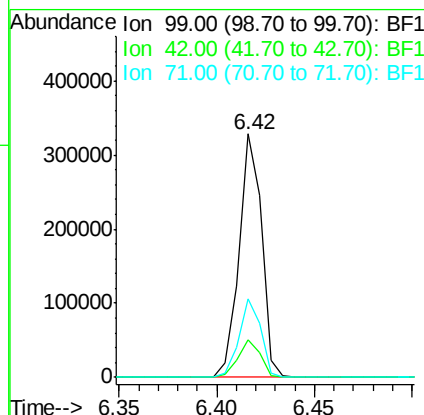
Tot Ion: 99 Resp: 262658

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.159 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104341.D

Acq: 7 Apr 2018 7:12

Tgt Ion: 70 Resp: 102667

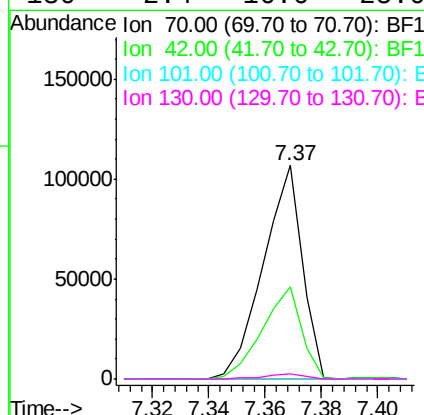
Ion Ratio Lower Upper

70 100

42 43.4 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: BF104341.D

Acq: 7 Apr 2018 7:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 543243

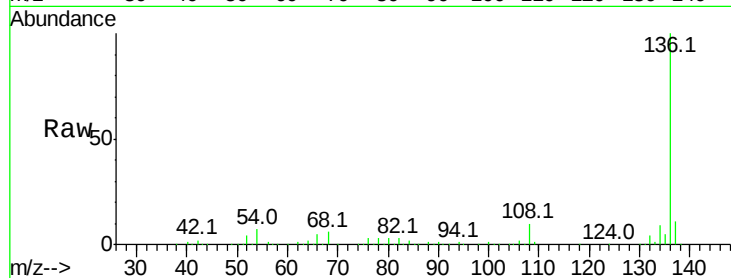
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.6 6.6 9.8

68 6.1 5.0 7.4

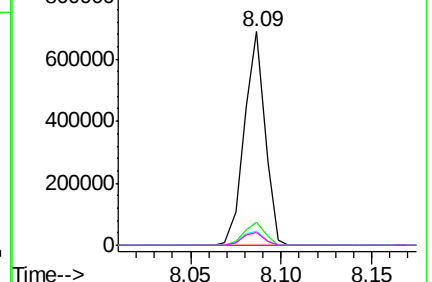
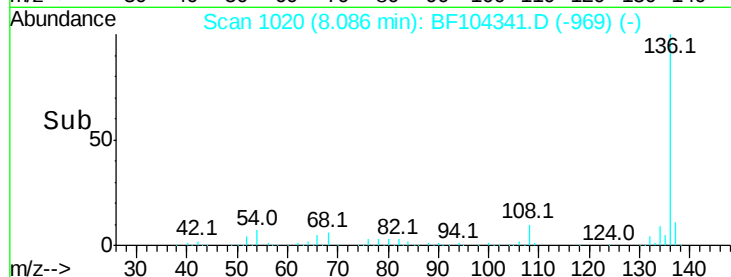


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.048 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104341.D

Acq: 7 Apr 2018 7:12

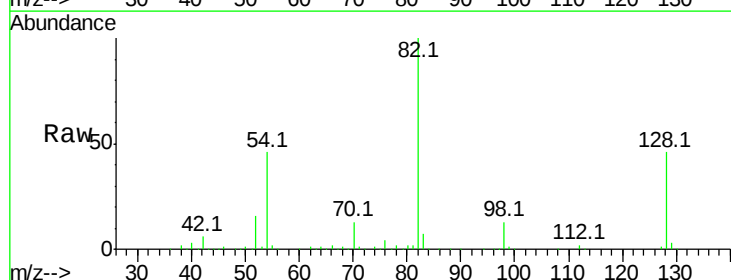
Tgt Ion: 82 Resp: 782429

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

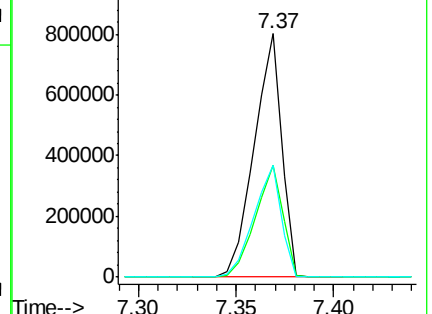
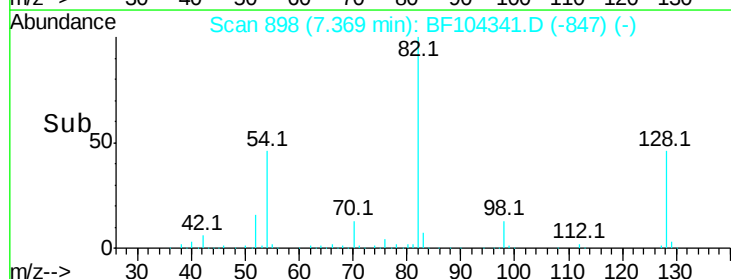
54 46.1 41.4 62.2

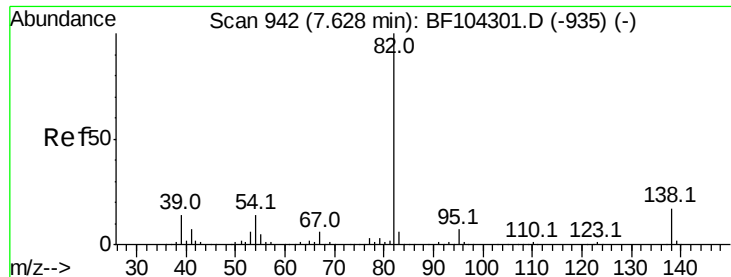


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.450 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104341.D

Acq: 7 Apr 2018 7:12

Instrument :

BNA_F

ClientSampleId :

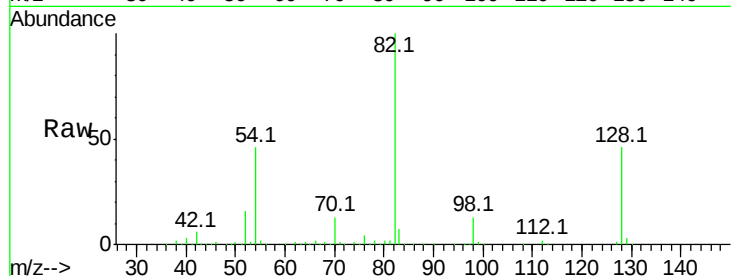
Tot Ion: 82 Resp: 781996

Ion Ratio Lower Upper

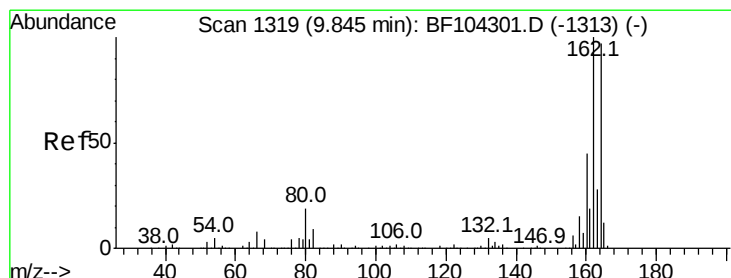
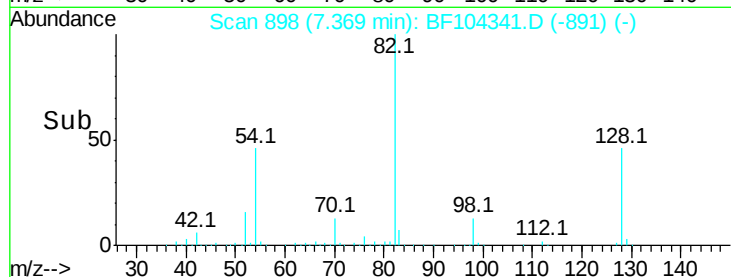
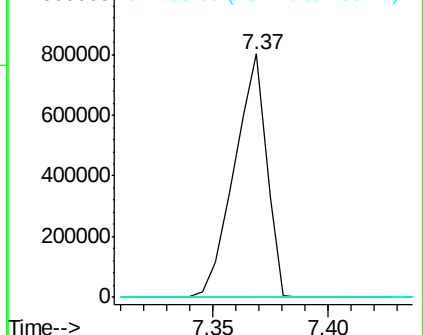
82 100

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: BF104341.D

Acq: 7 Apr 2018 7:12

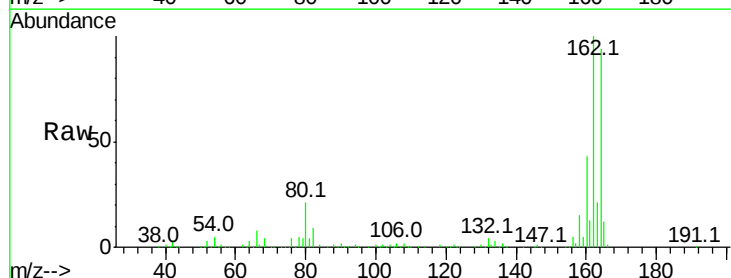
Tgt Ion:164 Resp: 236630

Ion Ratio Lower Upper

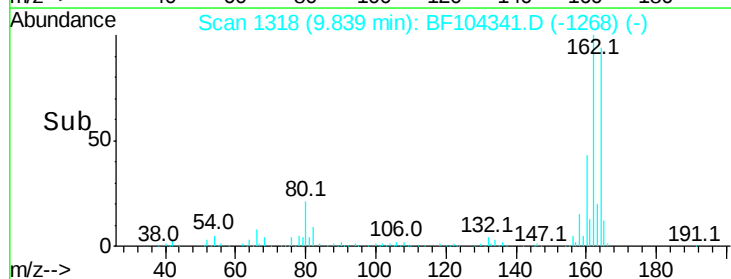
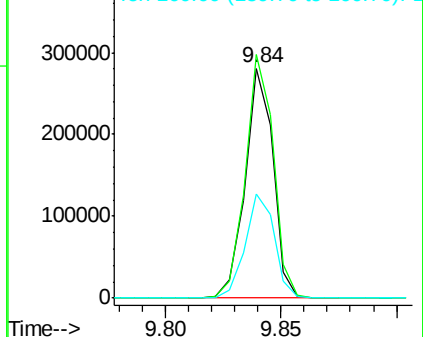
164 100

162 106.0 86.1 129.1

160 45.3 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

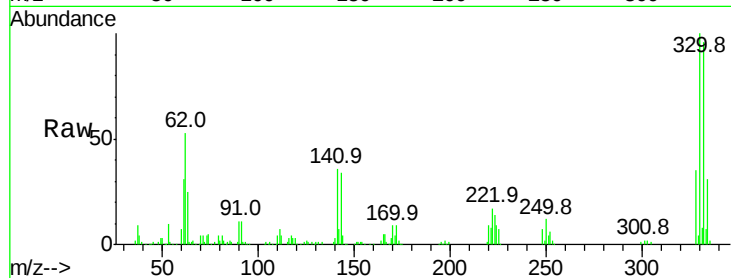




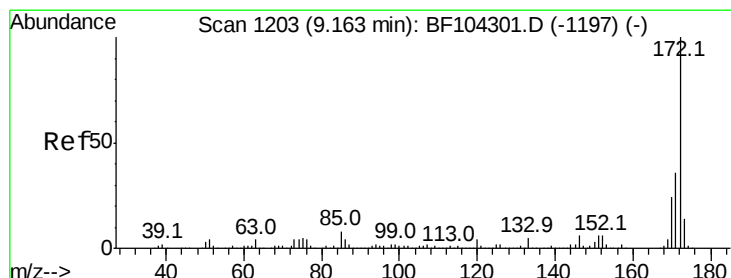
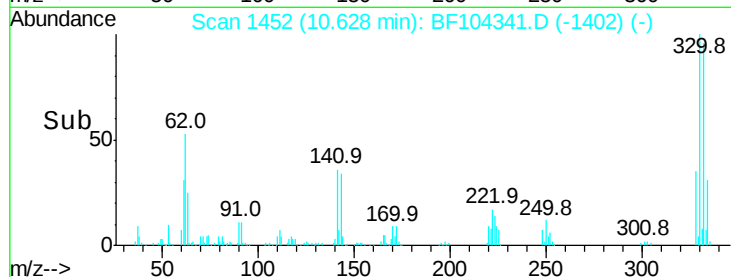
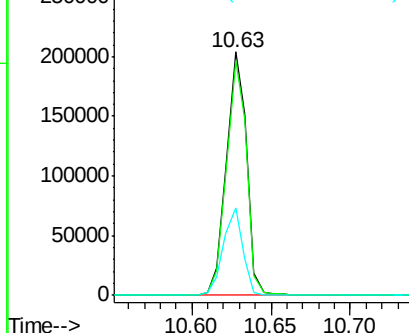
#41
 2,4,6-Tribromophenol
 Concen: 73.421 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104341.D
 Acq: 7 Apr 2018 7:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 180222
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 34.9 29.9 44.9

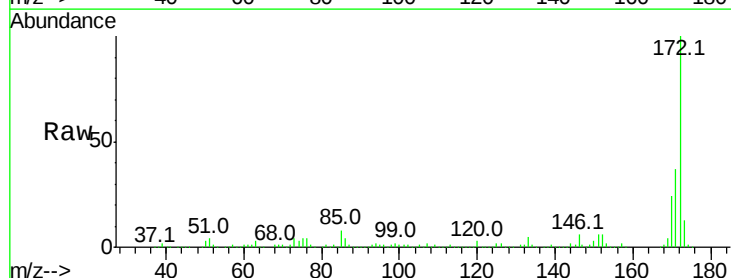


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

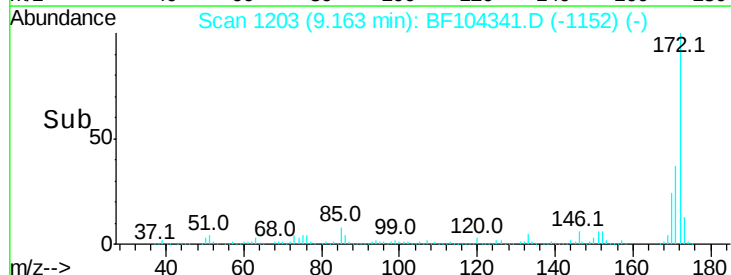
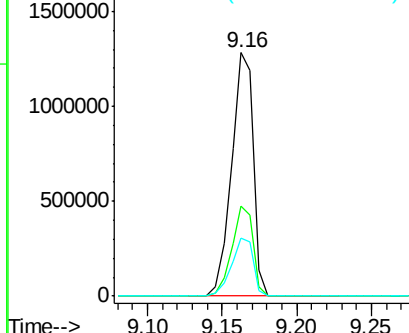


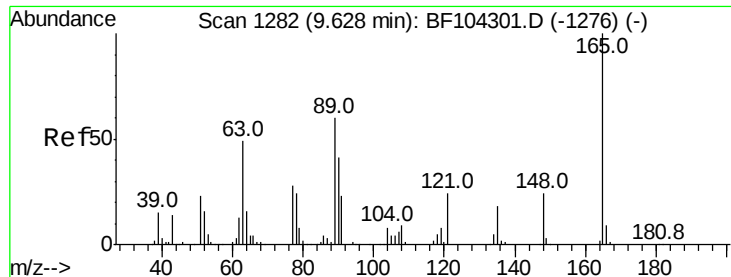
#44
 2-Fluorobiphenyl
 Concen: 88.064 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104341.D
 Acq: 7 Apr 2018 7:12

Tgt Ion:172 Resp: 1319107
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 24.1 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

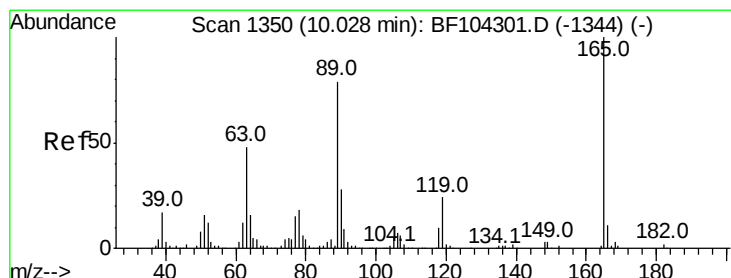
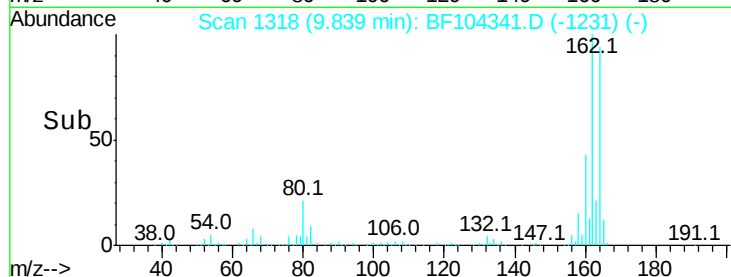
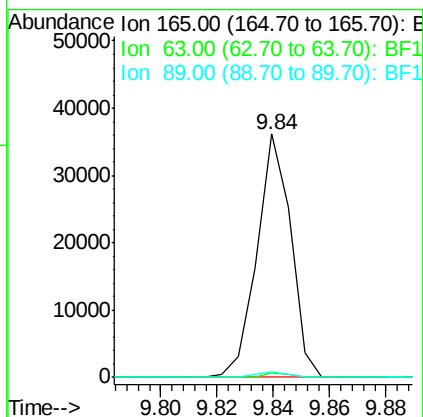
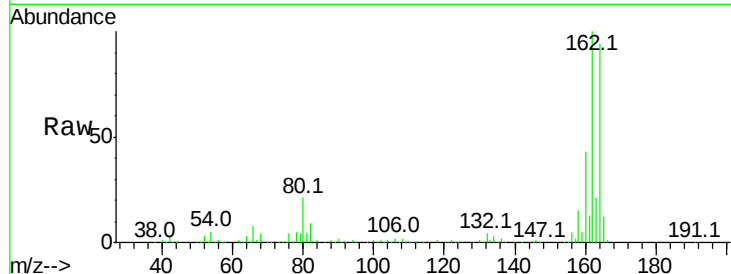




#50
 2,6-Dinitrotoluene
 Concen: 8.693 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104341.D
 Acq: 7 Apr 2018 7:12

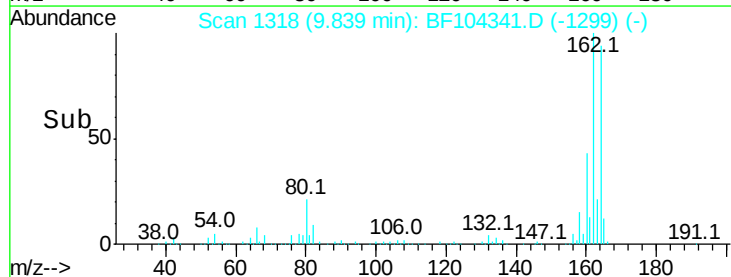
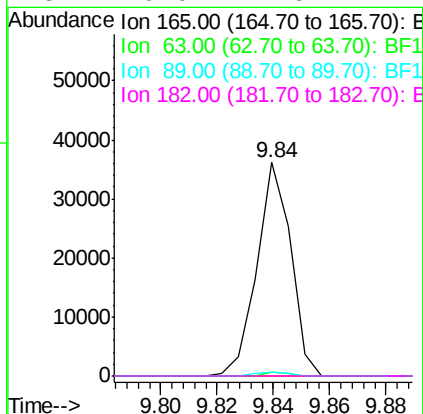
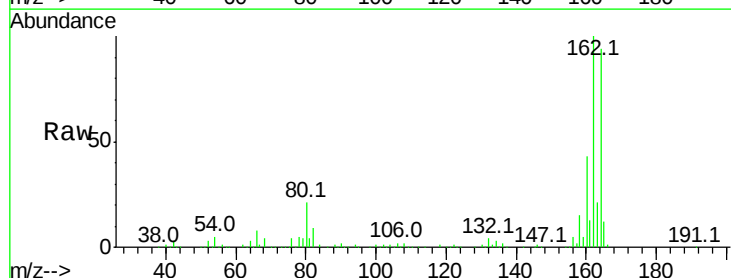
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	2.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.627 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104341.D
 Acq: 7 Apr 2018 7:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

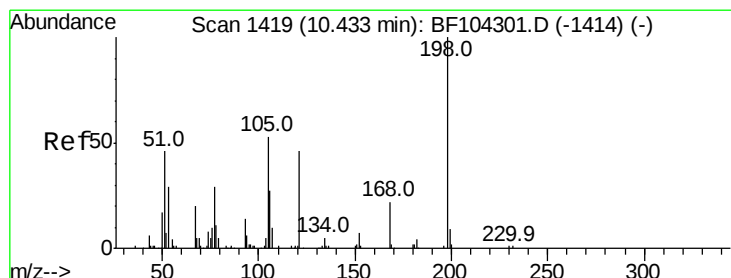
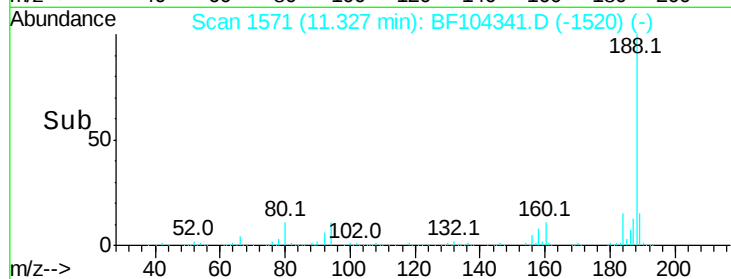
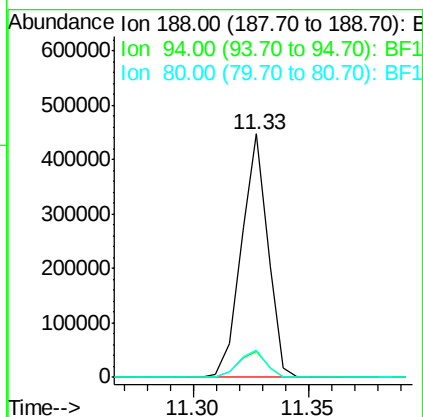
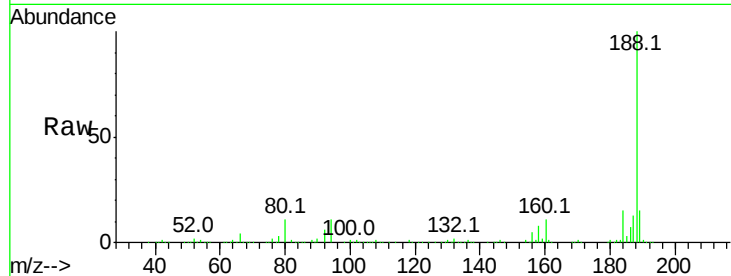




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104341.D
Acq: 7 Apr 2018 7:12

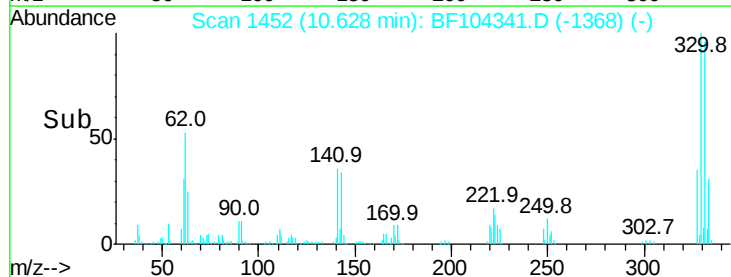
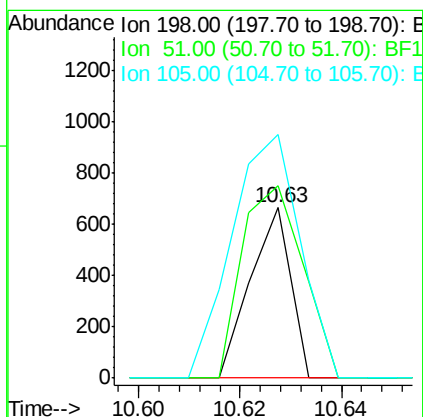
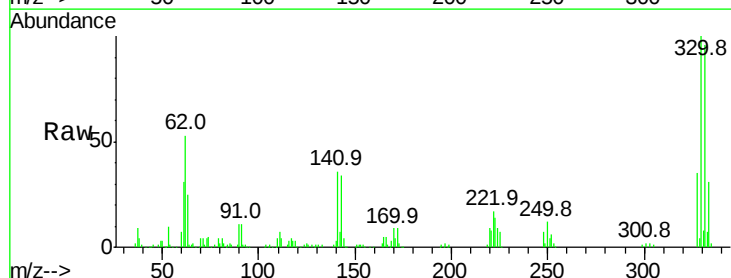
Instrument :
BNA_F
ClientSampleId :

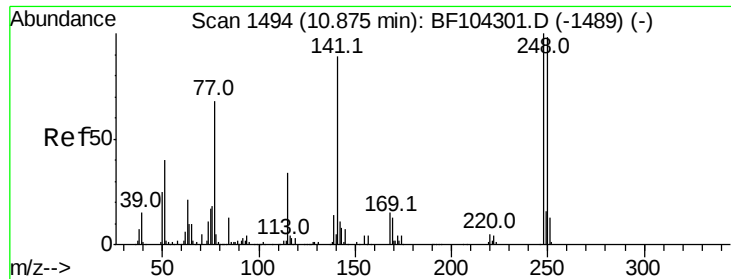
Tot Ion:188 Resp: 357439
Ion Ratio Lower Upper
188 100
94 10.7 8.5 12.7
80 11.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.525 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF104341.D
Acq: 7 Apr 2018 7:12

Tgt Ion:198 Resp: 365
Ion Ratio Lower Upper
198 100
51 112.8 37.7 77.7#
105 143.0 36.3 76.3#

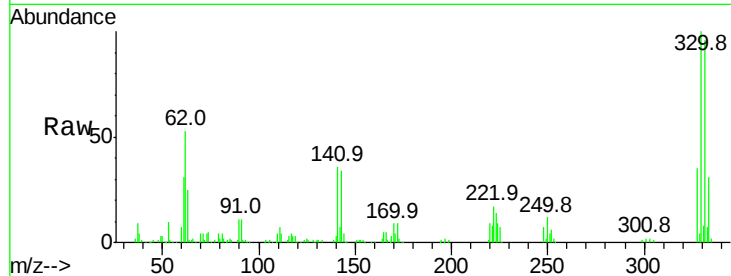




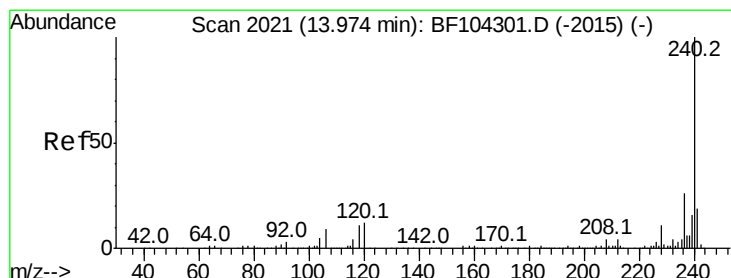
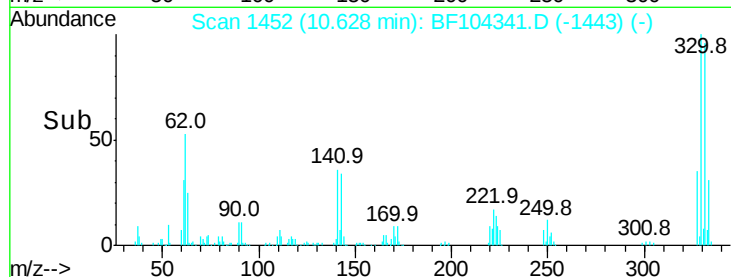
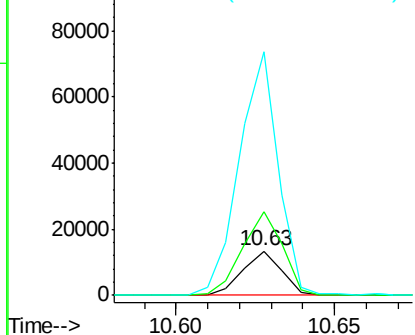
#66
 4-Bromophenyl-phenylether
 Concen: 2.948 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104341.D
 Acq: 7 Apr 2018 7:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 11210
 Ion Ratio Lower Upper
 248 100
 250 187.3 76.9 115.3#
 141 547.4 74.4 111.6#

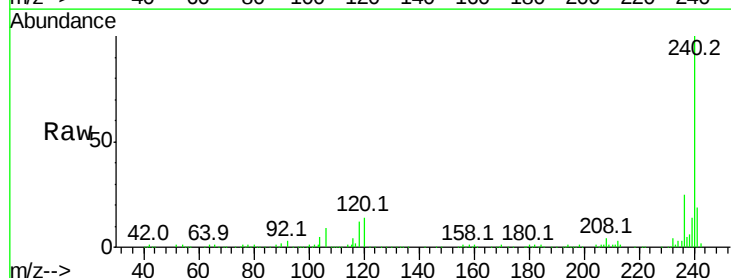


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

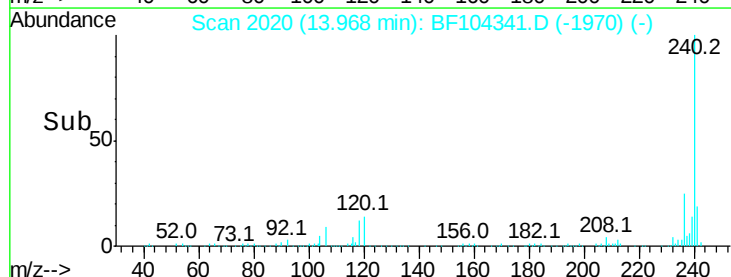
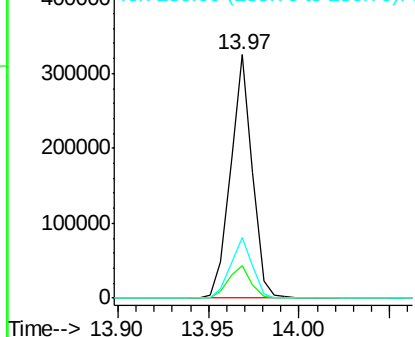


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104341.D
 Acq: 7 Apr 2018 7:12

Tgt Ion:240 Resp: 270271
 Ion Ratio Lower Upper
 240 100
 120 13.5 9.5 14.3
 236 25.1 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: 81.948 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104341.D

Acq: 7 Apr 2018 7:12

Instrument :

BNA_F

ClientSampleId :

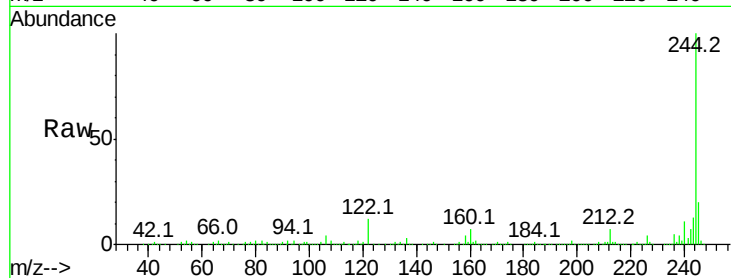
Tot Ion:244 Resp: 971482

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

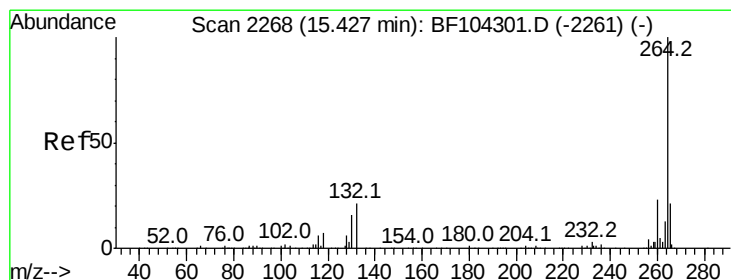
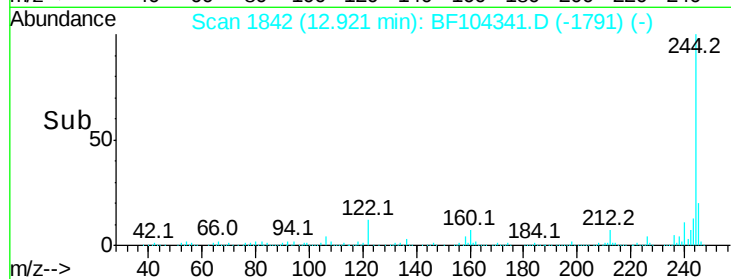
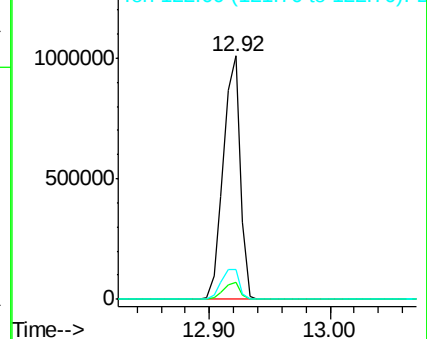
122 12.3 11.0 16.4



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: BF104341.D

Acq: 7 Apr 2018 7:12

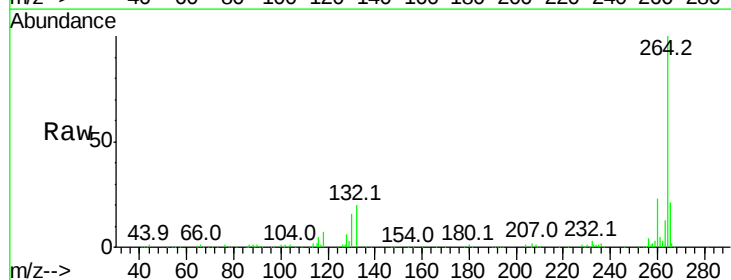
Tgt Ion:264 Resp: 245615

Ion Ratio Lower Upper

264 100

260 22.8 19.2 28.8

265 21.3 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

