

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104356.D
 Acq On : 7 Apr 2018 13:48
 Operator : JU/SJ
 Sample : J2255-11
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 040418-DBRI-E-U-M

Quant Time: Apr 09 00:51:16 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

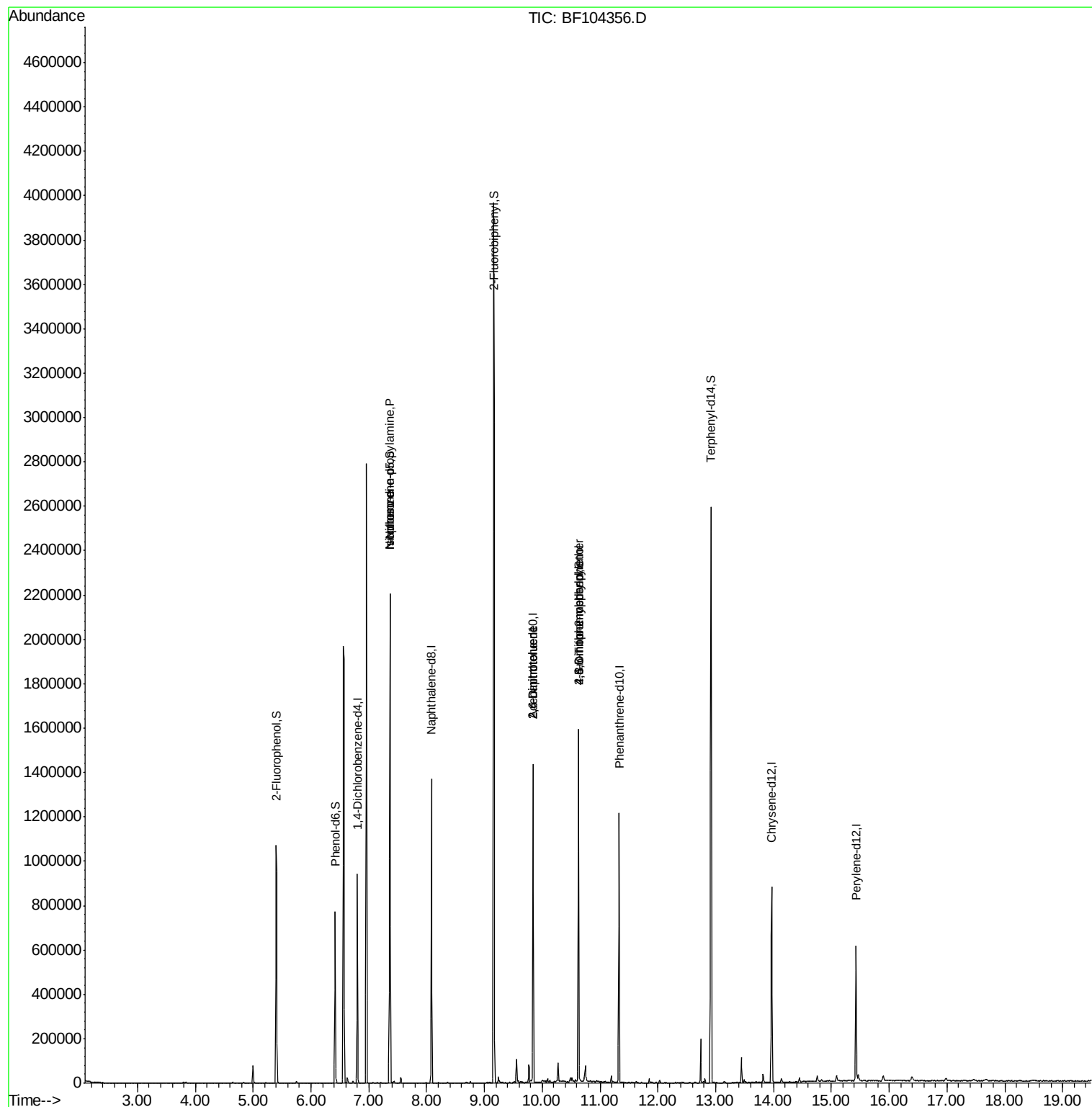
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	144614	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	576495	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	251552	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	373458	20.00	ng	0.00
75) Chrysene-d12	13.97	240	282169	20.00	ng	0.00
86) Perylene-d12	15.43	264	256303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	302542	31.99	ng	0.00
7) Phenol-d6	6.42	99	217654	18.73	ng	-0.01
23) Nitrobenzene-d5	7.37	82	766610	86.83	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	175086	67.10	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1308854	82.20	ng	0.00
78) Terphenyl-d14	12.92	244	927184	74.91	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	98718	13.000	ng	# 75
25) Isophorone	7.37	82	765830	41.020	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	32064	8.735	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	32064	6.660	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	285	7.480	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10666	2.685	ng	# 1
76) Benzidine	12.92	184	12373	Below Cal		# 95

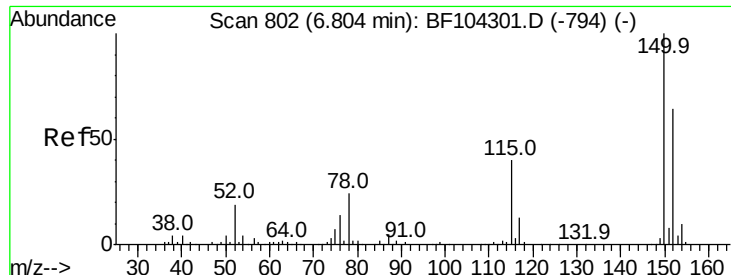
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF104356.D

Acq: 7 Apr 2018 13:48

Instrument :

BNA_F

ClientSampleId :

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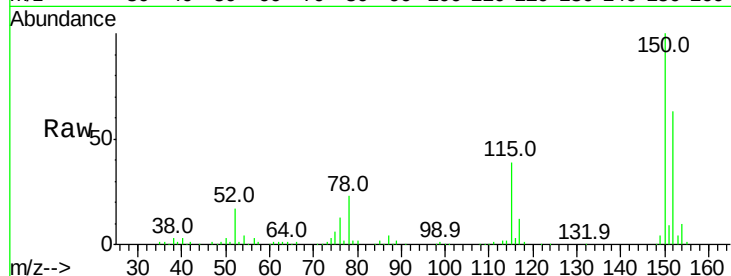
Tot Ion:152 Resp: 144614

Ion Ratio Lower Upper

152 100

150 157.6 124.6 186.8

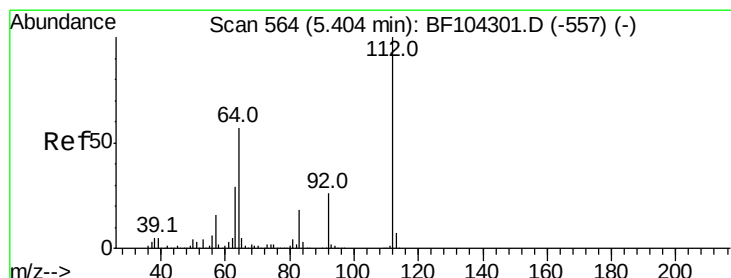
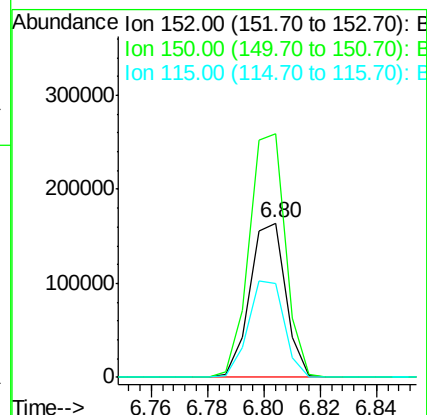
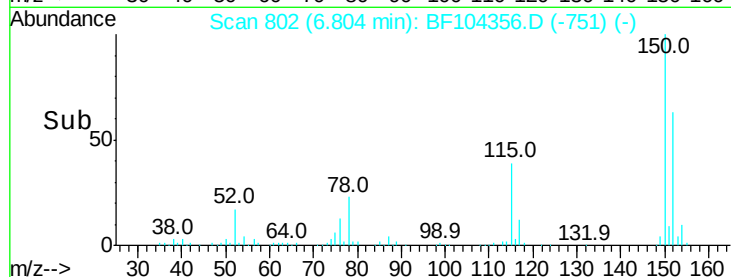
115 61.1 50.1 75.1



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: 31.989 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

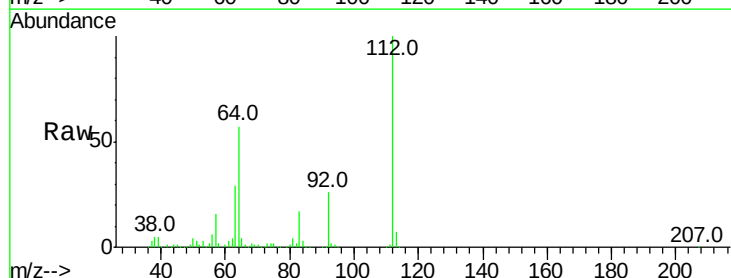
Tgt Ion:112 Resp: 302542

Ion Ratio Lower Upper

112 100

64 57.2 47.9 71.9

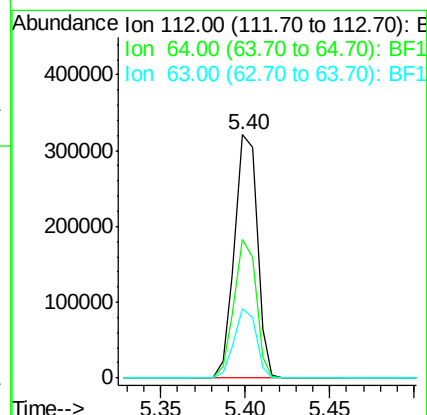
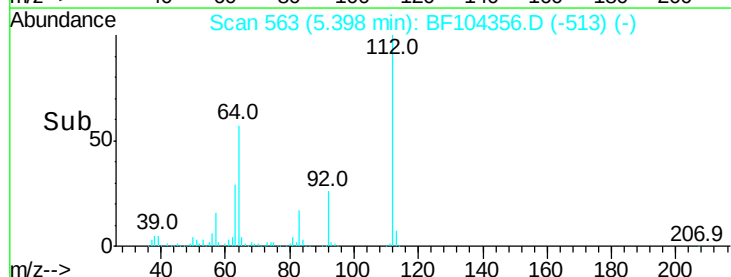
63 28.8 23.7 35.5

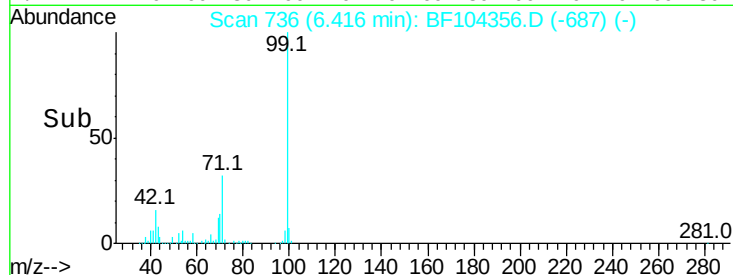
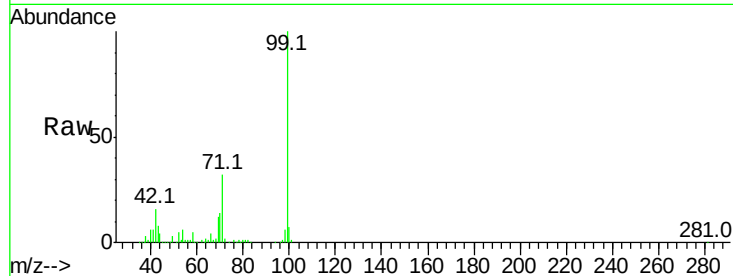
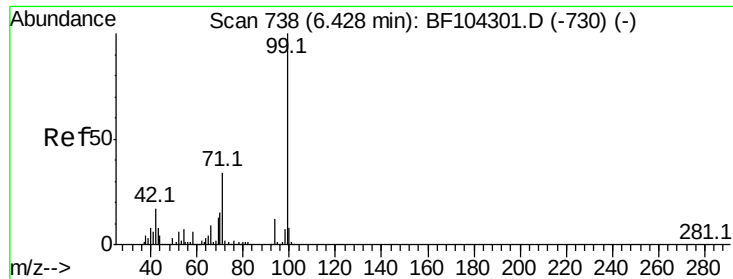


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.730 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-U-M

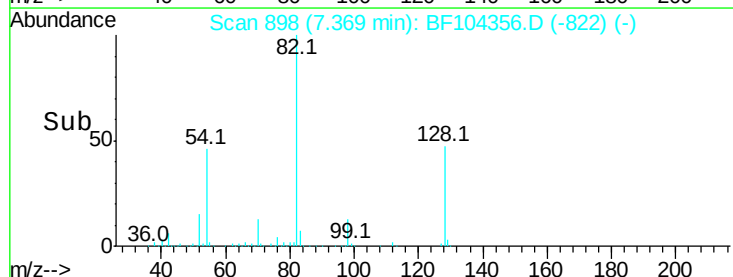
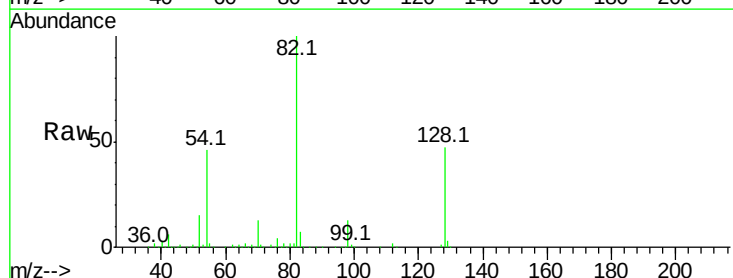
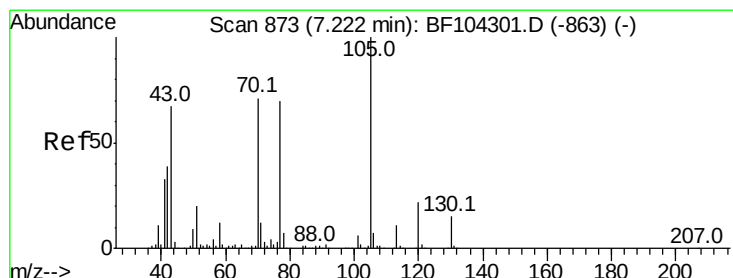
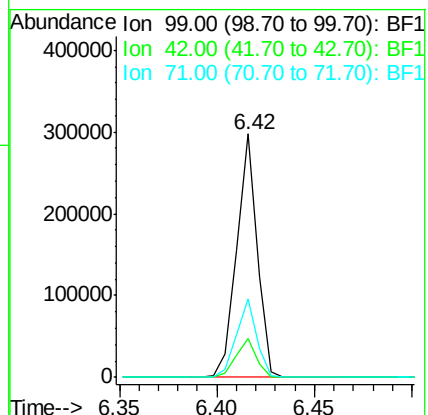
Tot Ion: 99 Resp: 217654

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.000 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

Tgt Ion: 70 Resp: 98718

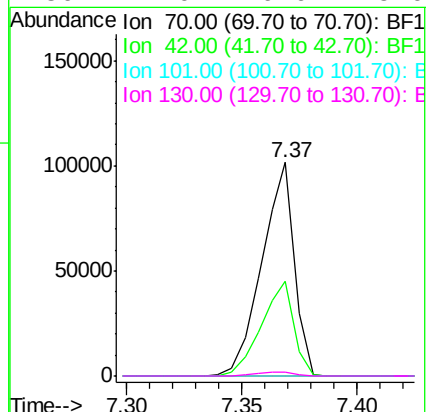
Ion Ratio Lower Upper

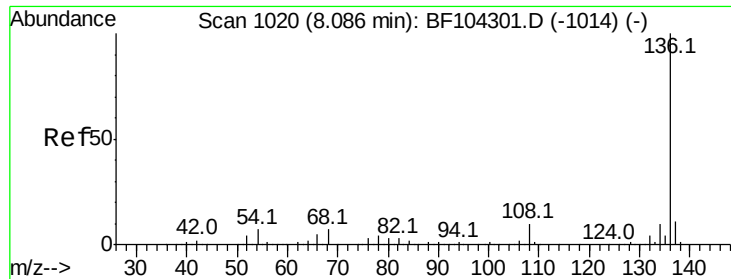
70 100

42 44.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

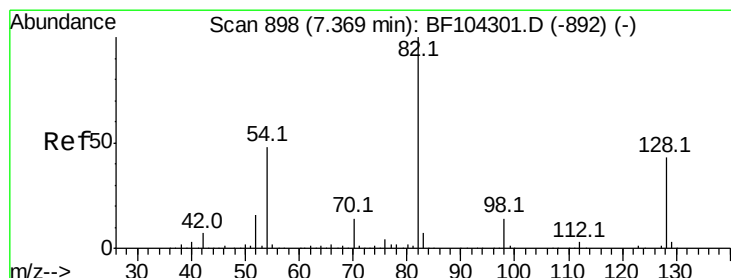
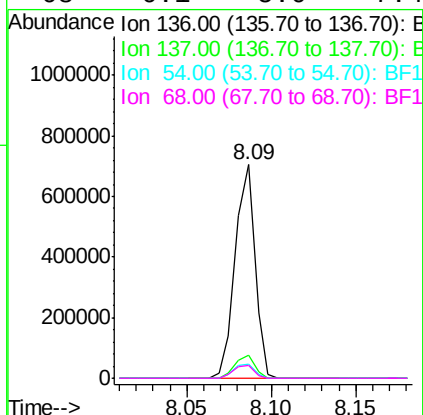
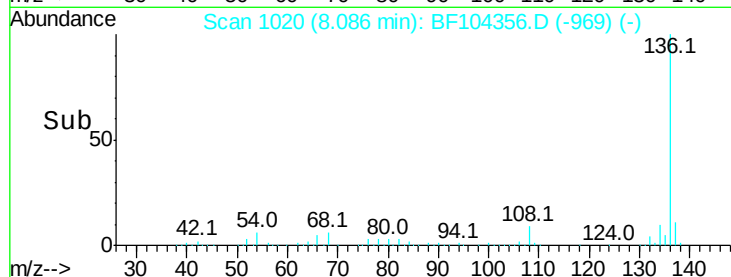
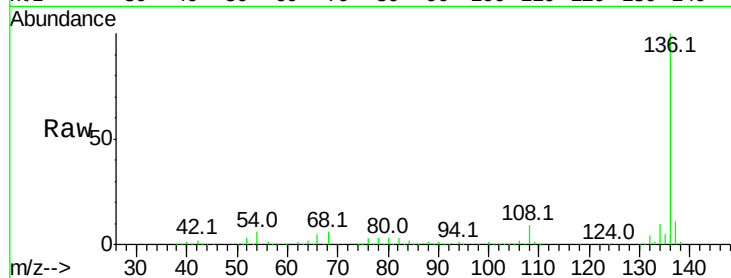




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104356.D
Acq: 7 Apr 2018 13:48

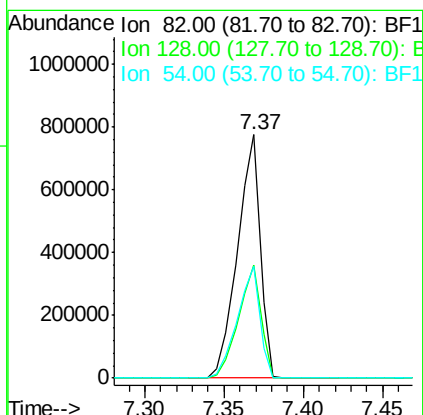
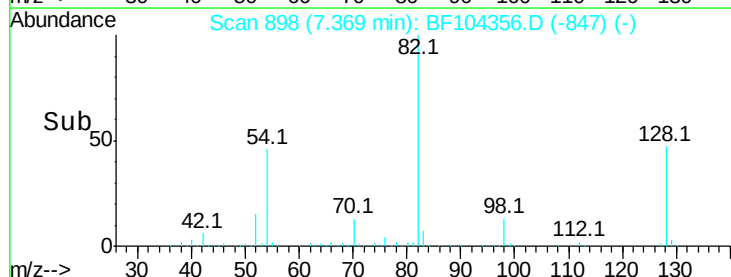
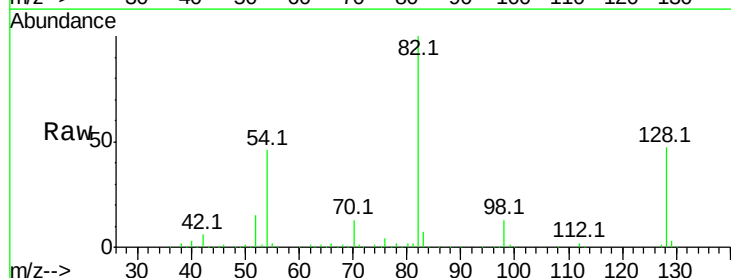
Instrument :
BNA_F
ClientSampleId :
040418-DBRI-E-U-M

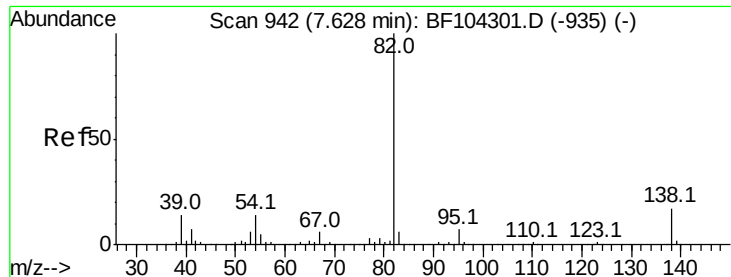
Tot Ion:	136	Resp:	576495
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.4	6.6	9.8#
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 86.832 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF104356.D
Acq: 7 Apr 2018 13:48

Tgt Ion:	82	Resp:	766610
Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	45.8	41.4	62.2





#25

Isophorone

Concen: 41.020 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-U-M

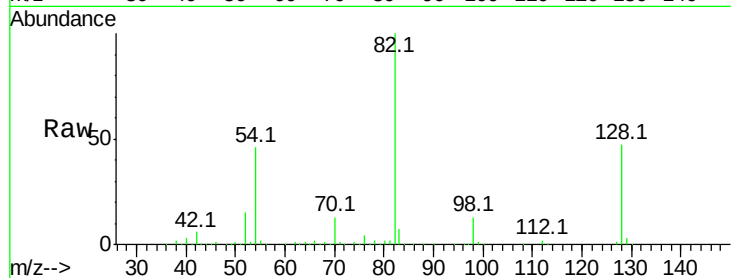
Tot Ion: 82 Resp: 765830

Ion Ratio Lower Upper

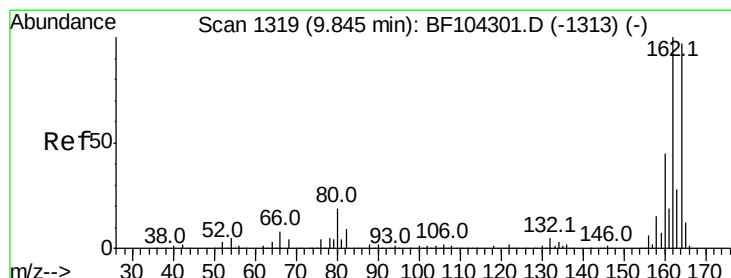
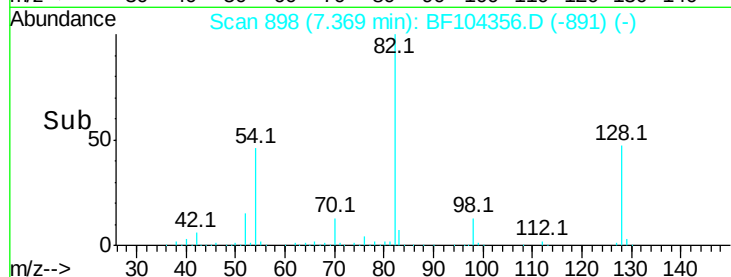
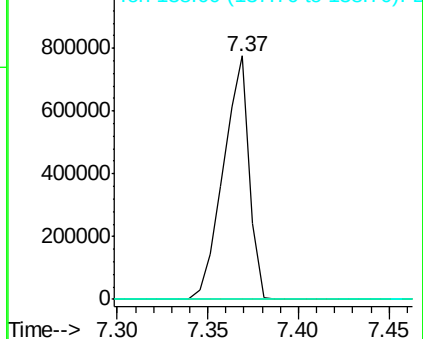
82 100

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: BF104356.D

Acq: 7 Apr 2018 13:48

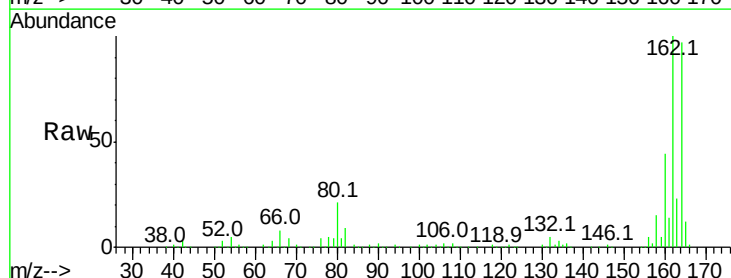
Tgt Ion:164 Resp: 251552

Ion Ratio Lower Upper

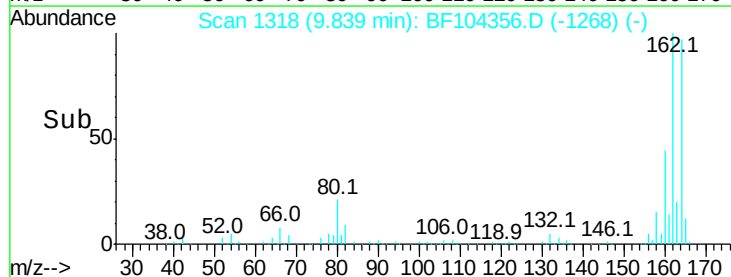
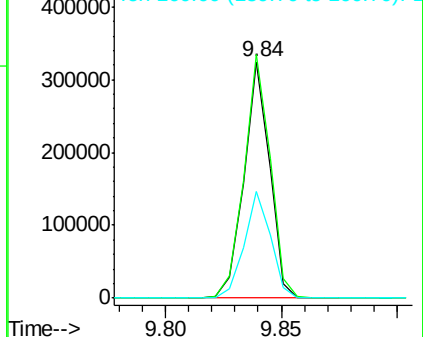
164 100

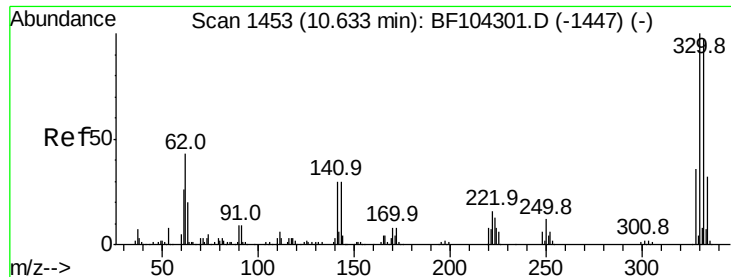
162 103.1 86.1 129.1

160 45.1 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: 67.098 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-U-M

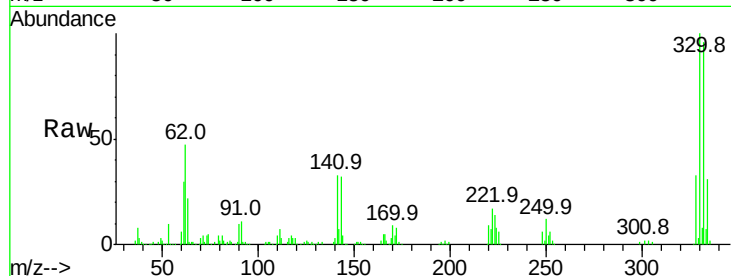
Tot Ion:330 Resp: 175086

Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

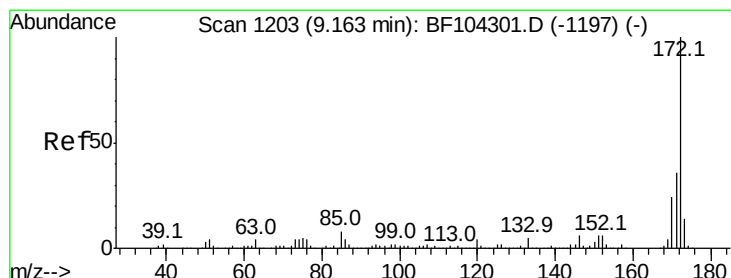
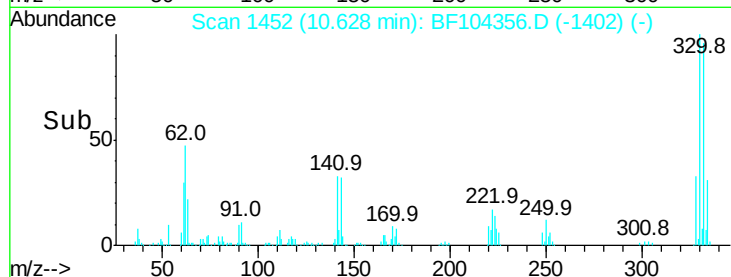
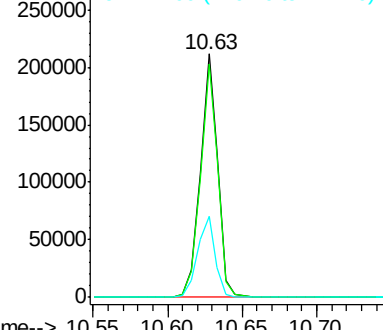
141 33.9 29.9 44.9



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: 82.196 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

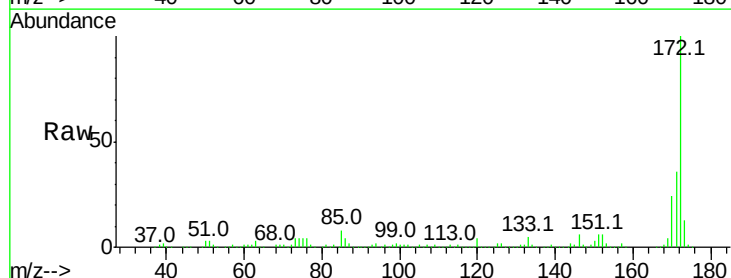
Tgt Ion:172 Resp: 1308854

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

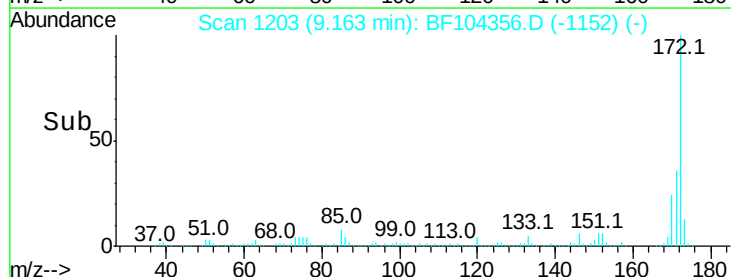
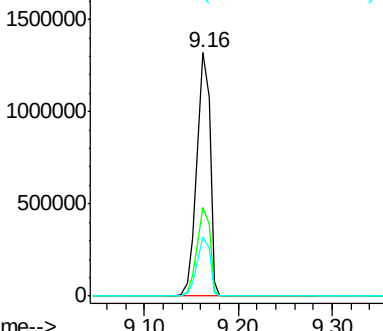
170 24.1 19.6 29.4

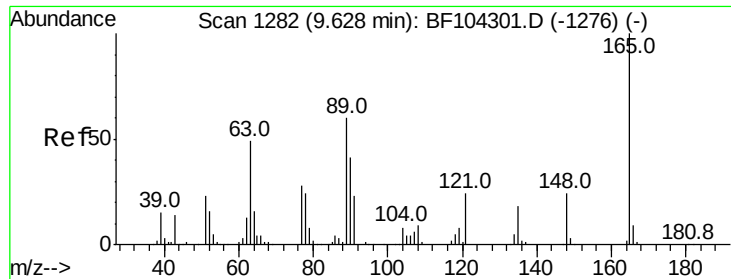


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

2,6-Dinitrotoluene

Concen: 8.735 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104356.D

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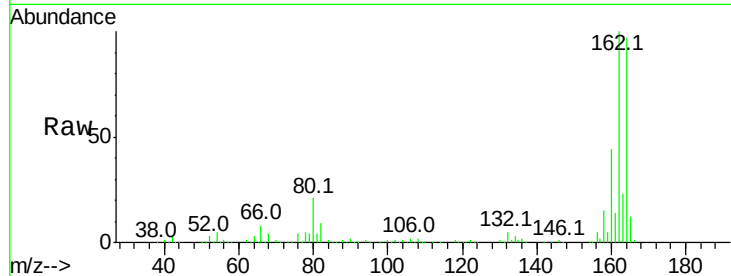
Tot Ion:165 Resp: 32064

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

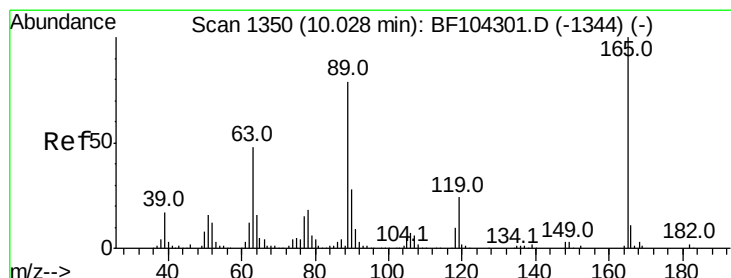
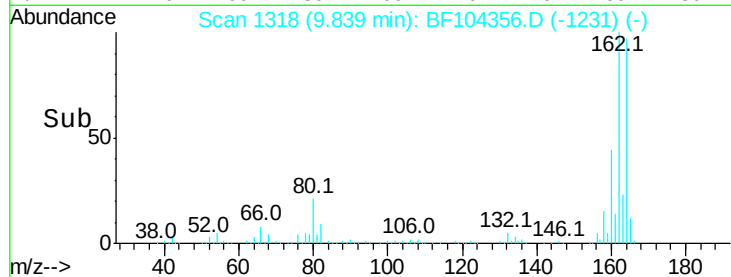
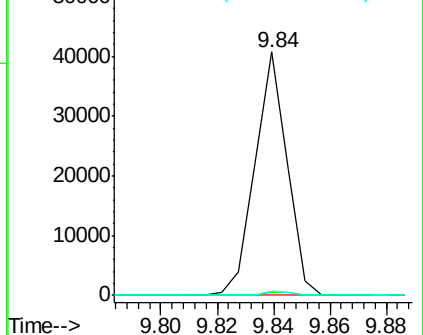
89 1.5 44.0 66.0#



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: 6.660 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

Tgt Ion:165 Resp: 32064

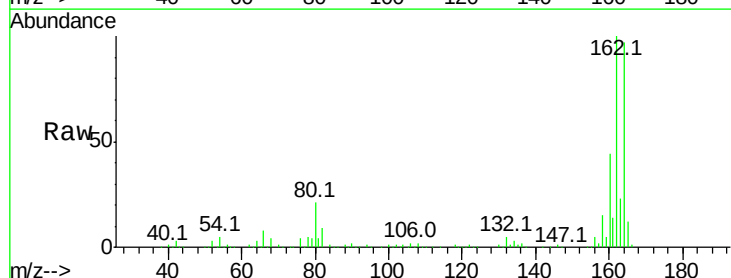
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

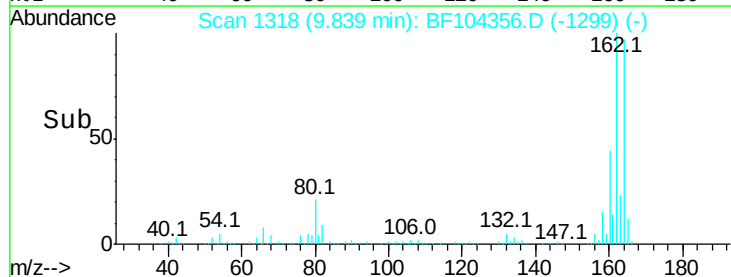
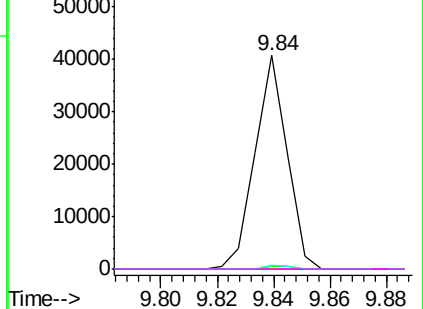


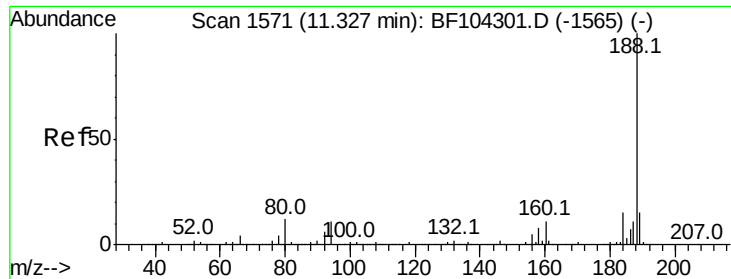
Abundance Ion 165.00 (164.70 to 165.70): E

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

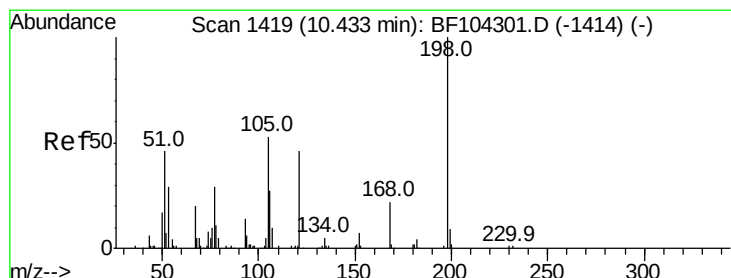
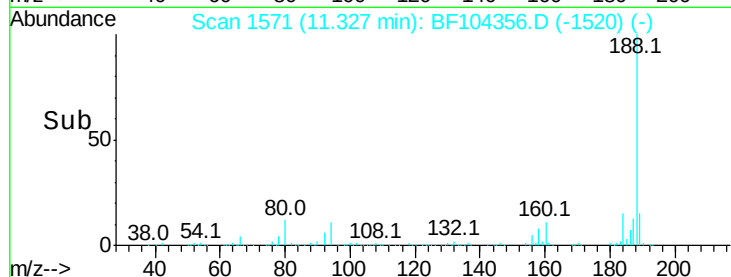
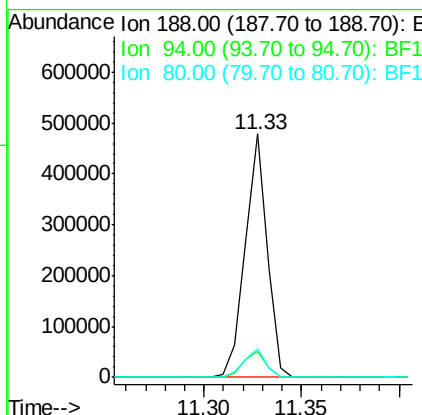
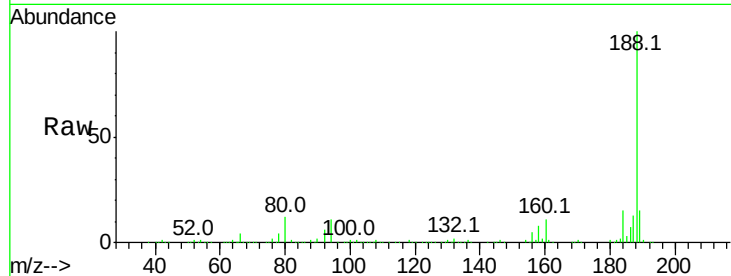




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF104356.D
 Acq: 7 Apr 2018 13:48

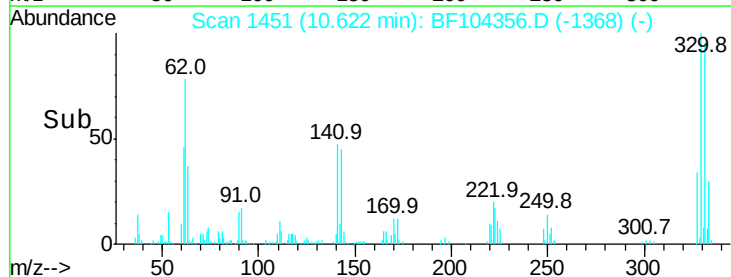
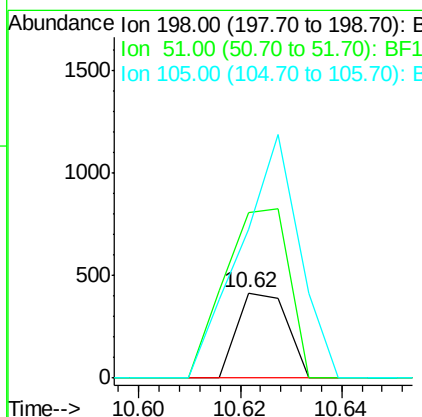
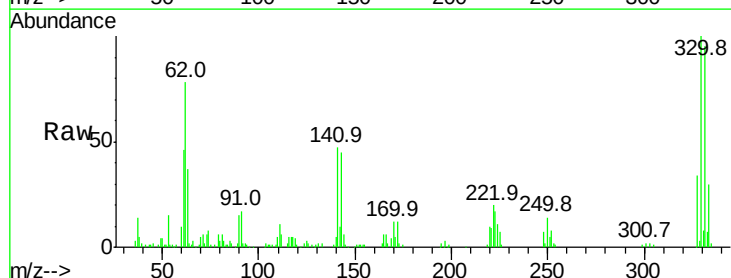
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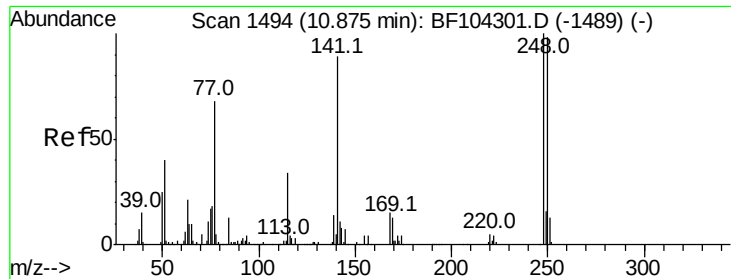
Tot Ion:188 Resp: 373458
 Ion Ratio Lower Upper
 188 100
 94 10.9 8.5 12.7
 80 11.6 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.480 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.19 min
 Lab File: BF104356.D
 Acq: 7 Apr 2018 13:48

Tgt Ion:198 Resp: 285
 Ion Ratio Lower Upper
 198 100
 51 193.5 37.7 77.7#
 105 173.8 36.3 76.3#

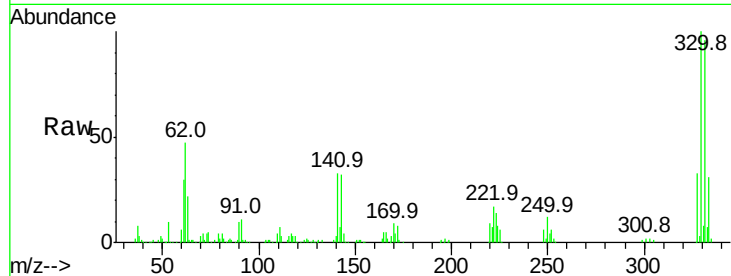




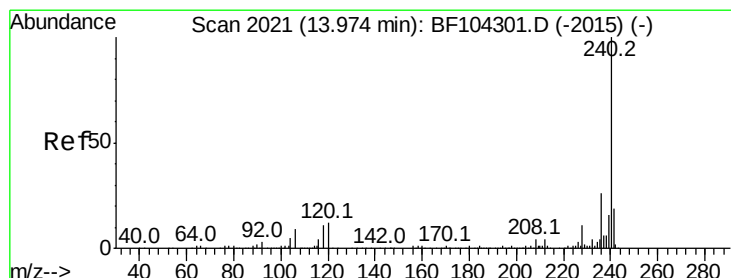
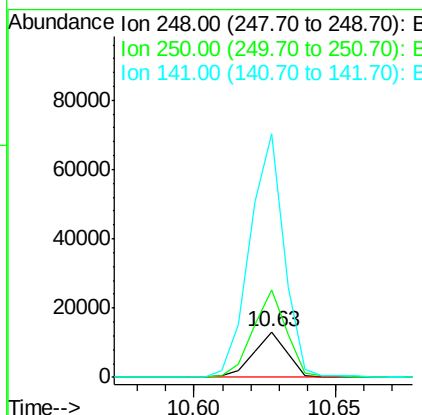
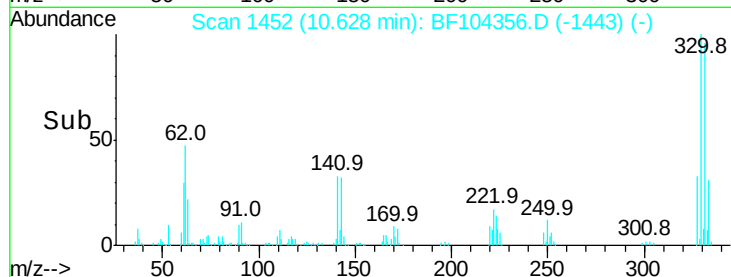
#66
 4-Bromophenyl-phenylether
 Concen: 2.685 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104356.D
 Acq: 7 Apr 2018 13:48

Instrument :
 BNA_F
 ClientSampleId :
 040418-DBRI-E-U-M

Tot Ion:248 Resp: 10666
 Ion Ratio Lower Upper
 248 100
 250 193.9 76.9 115.3#
 141 537.9 74.4 111.6#

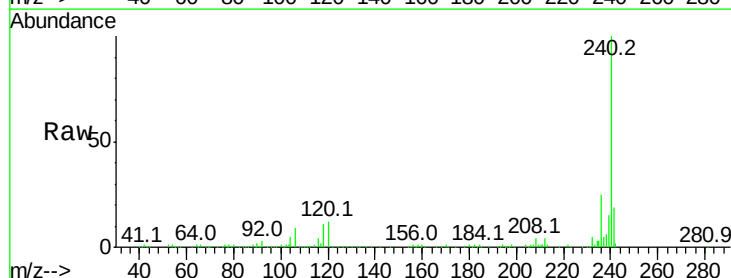


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

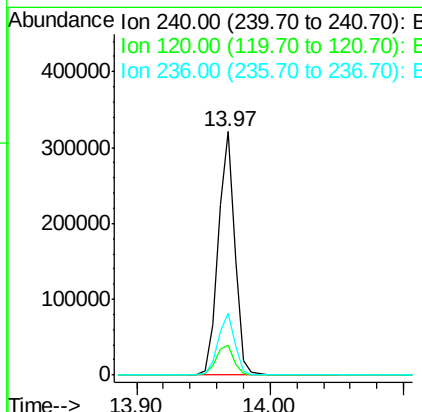
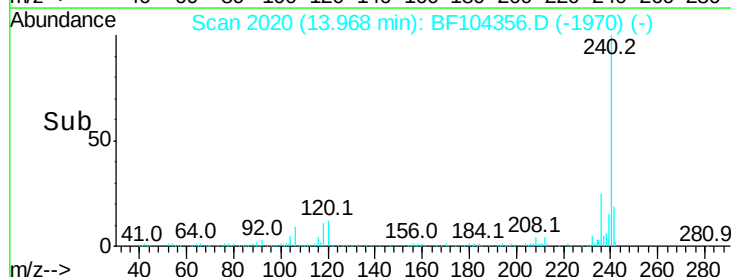


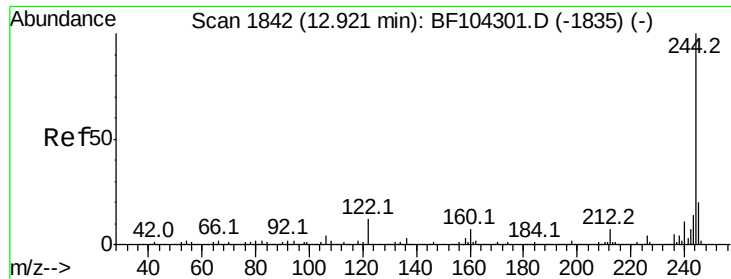
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF104356.D
 Acq: 7 Apr 2018 13:48

Tgt Ion:240 Resp: 282169
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.5 14.3
 236 25.3 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: 74.913 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104356.D

Acq: 7 Apr 2018 13:48

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-U-M

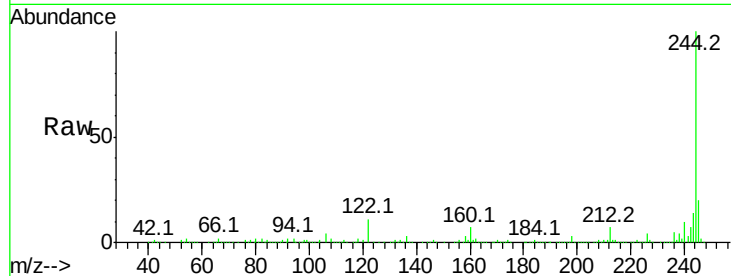
Tot Ion:244 Resp: 927184

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

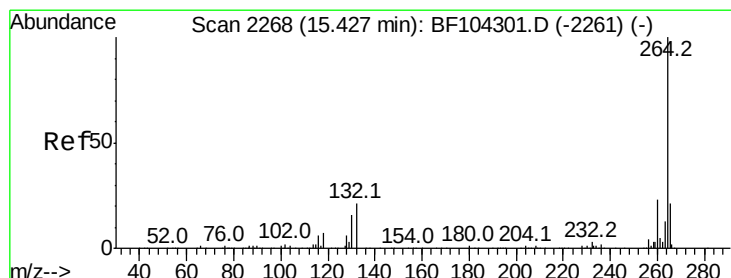
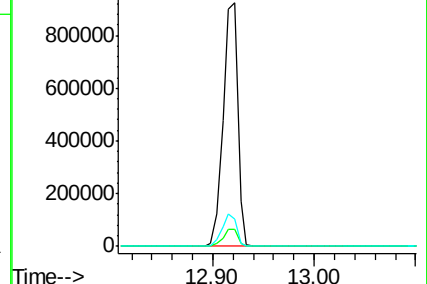
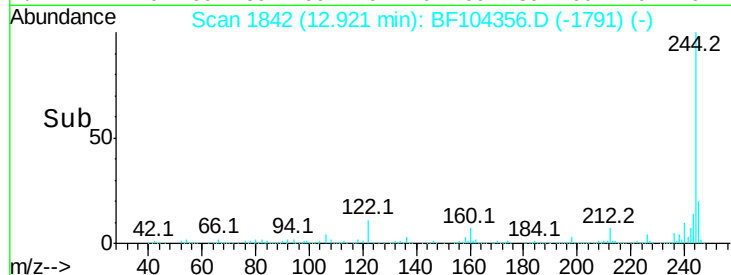
122 11.2 11.0 16.4



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: BF104356.D

Acq: 7 Apr 2018 13:48

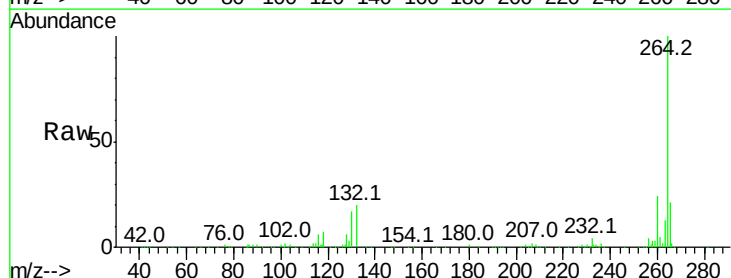
Tgt Ion:264 Resp: 256303

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 20.9 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

