

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104354.D
 Acq On : 7 Apr 2018 12:55
 Operator : JU/SJ
 Sample : J2255-09
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 040418-DBRI-E-D-S

Quant Time: Apr 09 00:50:45 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	140538	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	555461	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	240580	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	357794	20.00	ng	0.00
75) Chrysene-d12	13.97	240	275747	20.00	ng	0.00
86) Perylene-d12	15.43	264	251956	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	304194	33.10	ng	0.00
7) Phenol-d6	6.42	99	222656	19.72	ng	-0.01
23) Nitrobenzene-d5	7.37	82	728879	85.68	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	171530	68.73	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1259250	82.69	ng	0.00
78) Terphenyl-d14	12.92	244	895017	74.00	ng	0.00

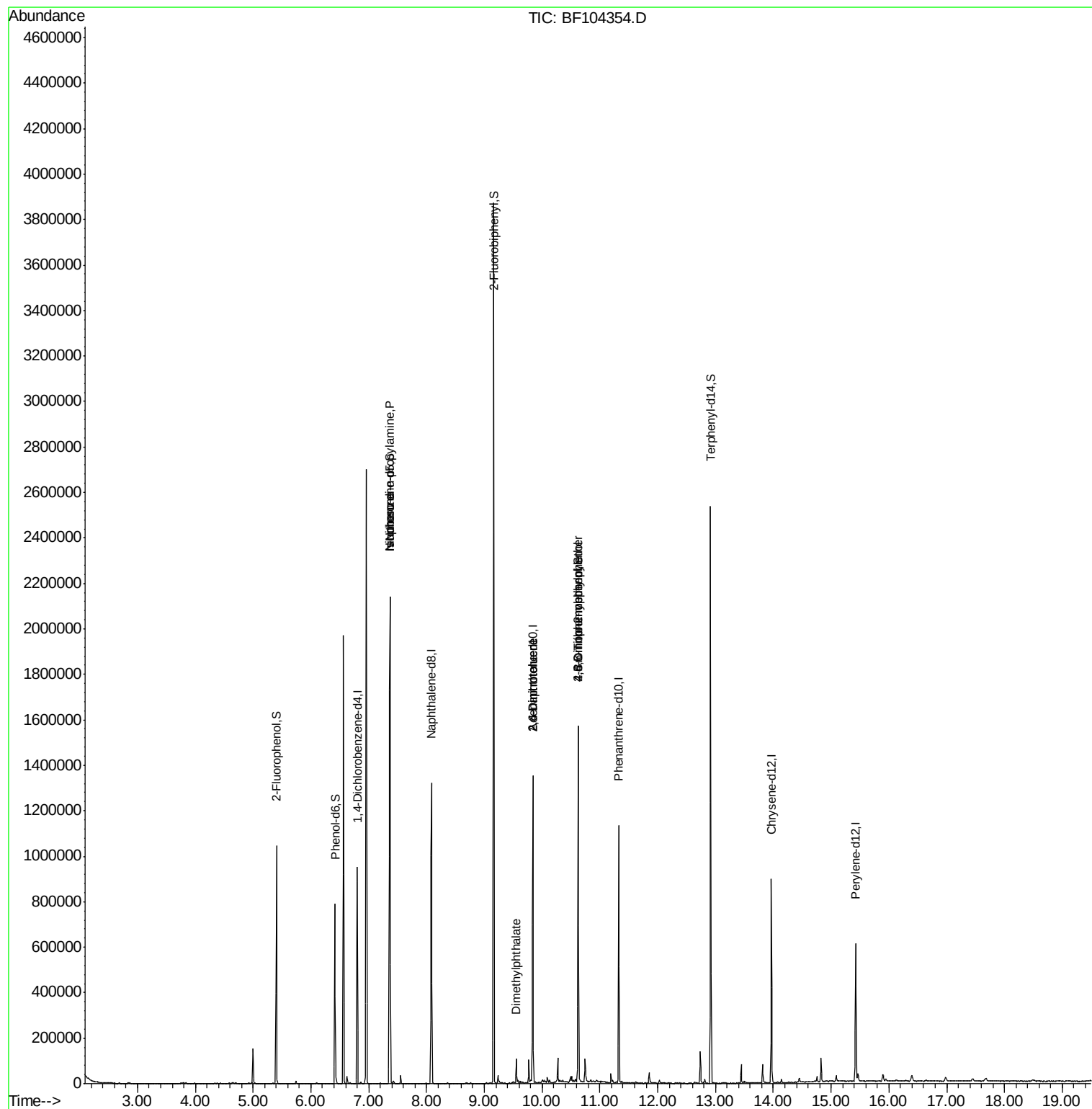
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.42	77	435	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	95235	12.905	ng	# 73
25) Isophorone	7.37	82	728407	40.493	ng	# 64
49) Dimethylphthalate	9.56	163	39480	2.081	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	30879	8.796	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	30879	6.706	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	324	7.505	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10370	2.725	ng	# 1
76) Benzidine	12.92	184	12051	Below Cal	#	94

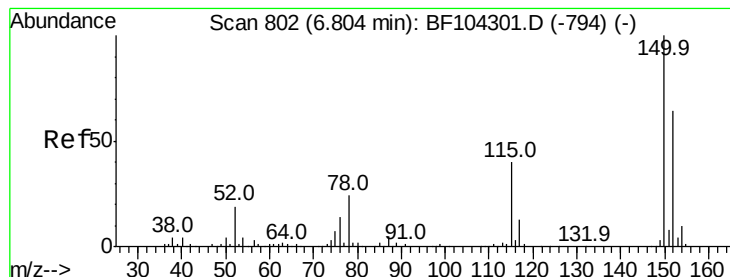
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF104354.D

Acq: 7 Apr 2018 12:55

Instrument :

BNA_F

ClientSampleId :

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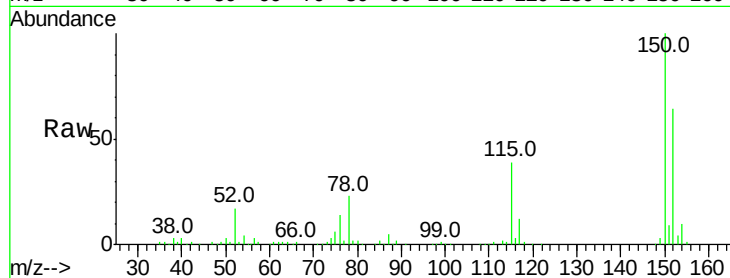
Tot Ion:152 Resp: 140538

Ion Ratio Lower Upper

152 100

150 156.7 124.6 186.8

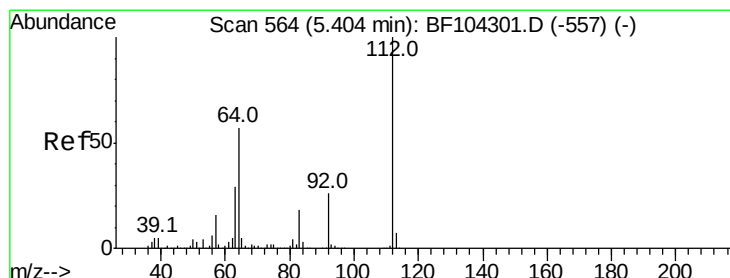
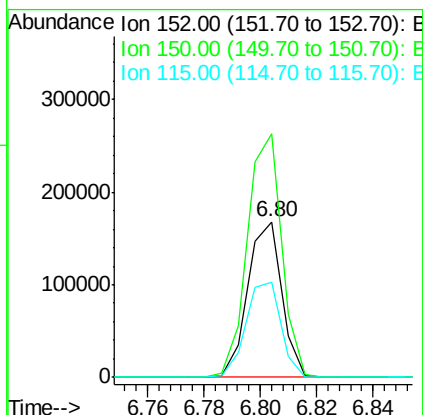
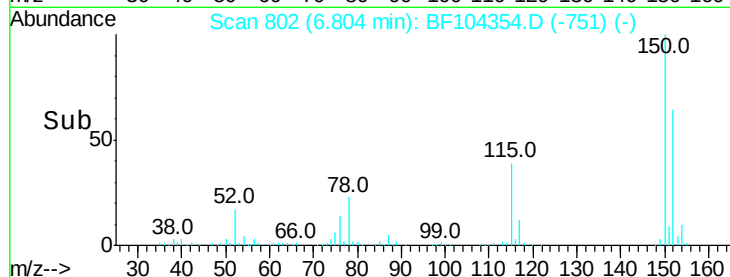
115 61.2 50.1 75.1



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: 33.096 ng

RT: 5.40 min Scan# 564

Delta R.T. -0.00 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

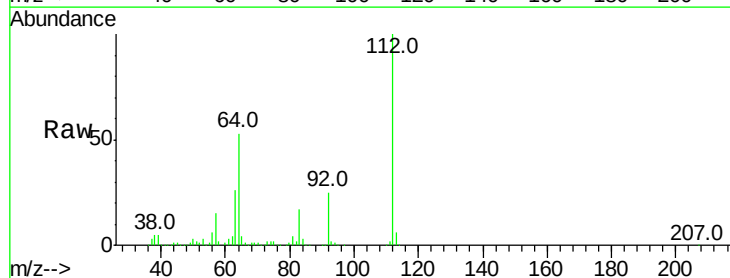
Tgt Ion:112 Resp: 304194

Ion Ratio Lower Upper

112 100

64 52.9 47.9 71.9

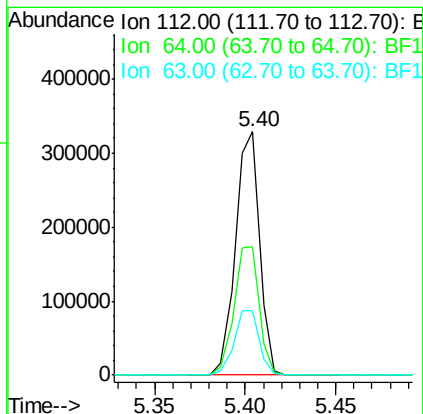
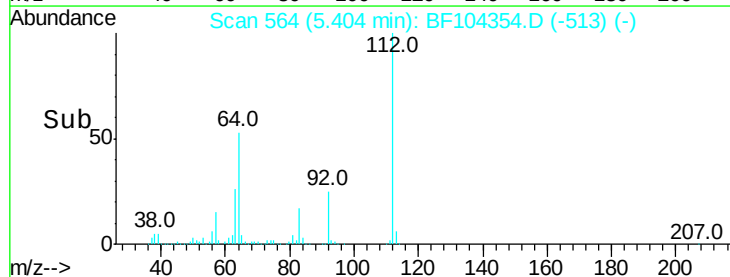
63 26.3 23.7 35.5

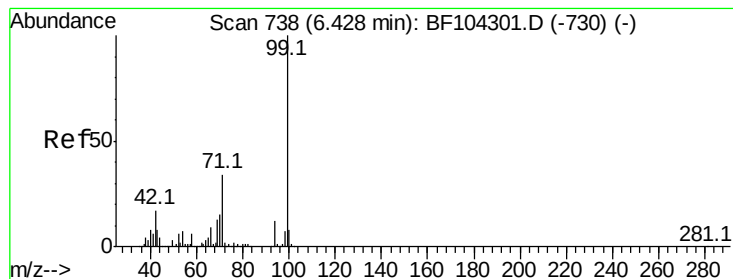


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 19.716 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-S

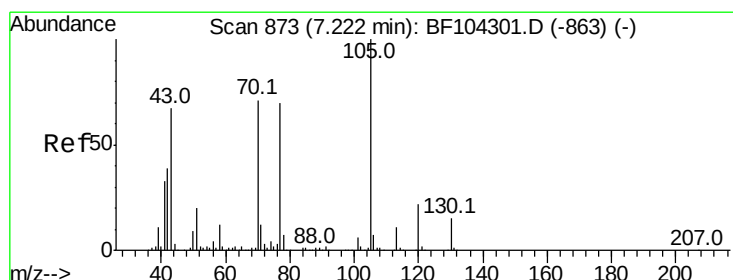
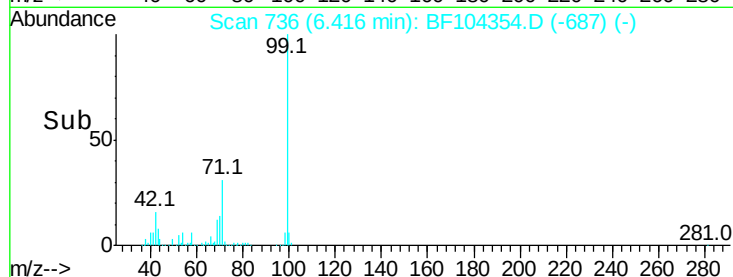
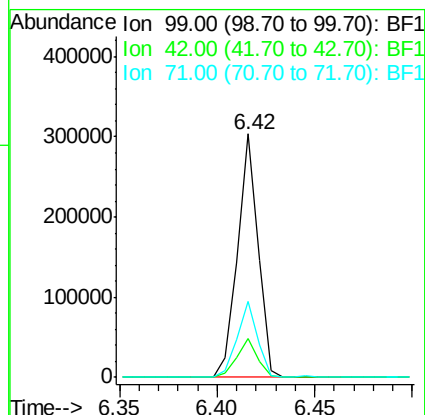
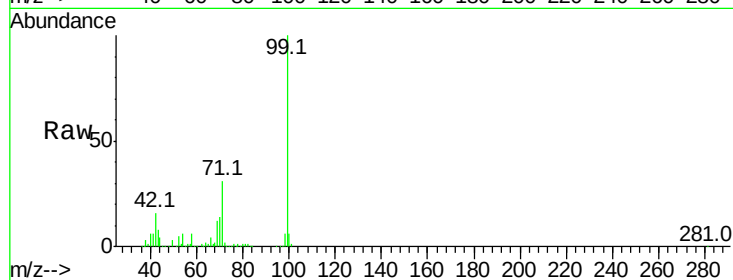
Tot Ion: 99 Resp: 222656

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 30.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.905 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

Tgt Ion: 70 Resp: 95235

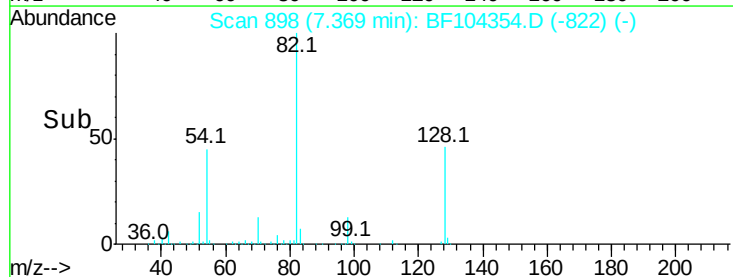
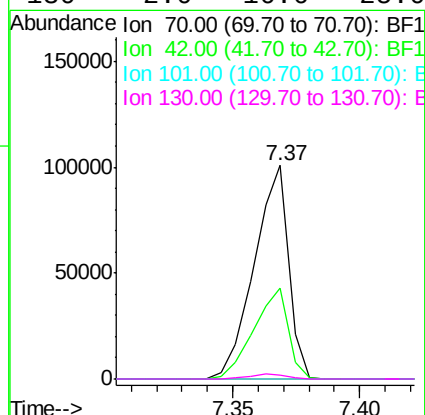
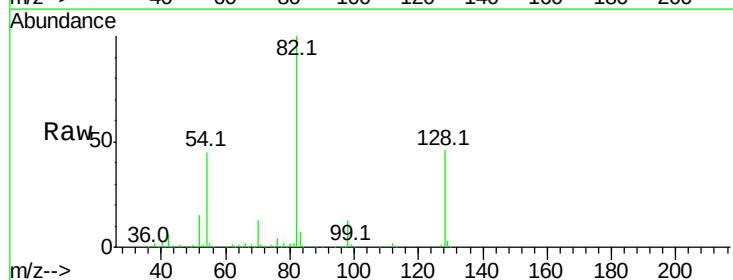
Ion Ratio Lower Upper

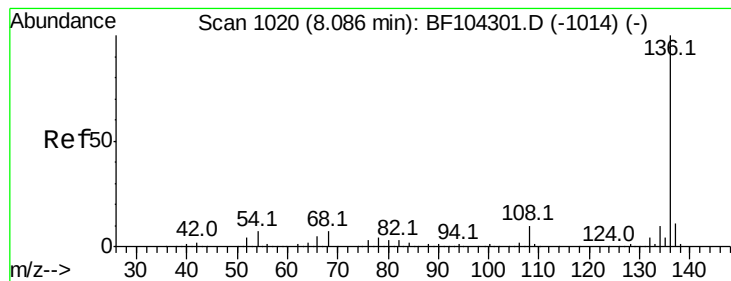
70 100

42 42.7 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: BF104354.D

Acq: 7 Apr 2018 12:55

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-S

Tot Ion:136 Resp: 555461

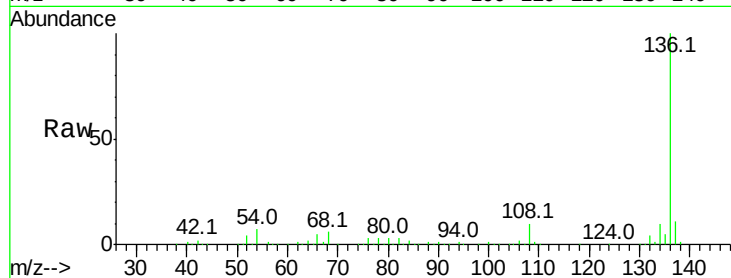
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 6.1 5.0 7.4

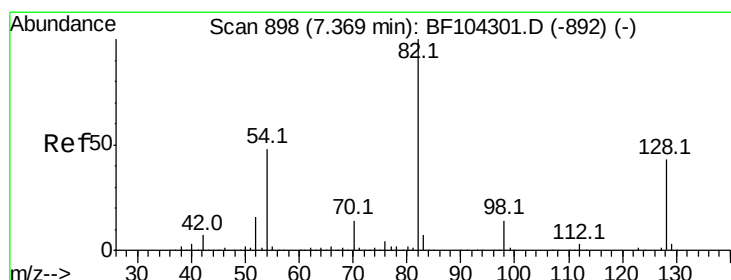
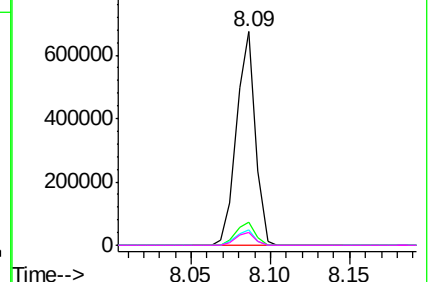
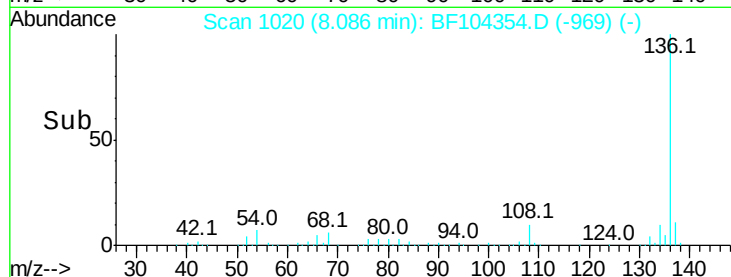


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.684 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.00 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

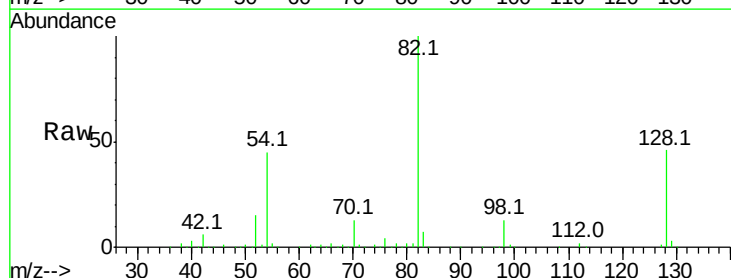
Tgt Ion: 82 Resp: 728879

Ion Ratio Lower Upper

82 100

128 46.1 36.1 54.1

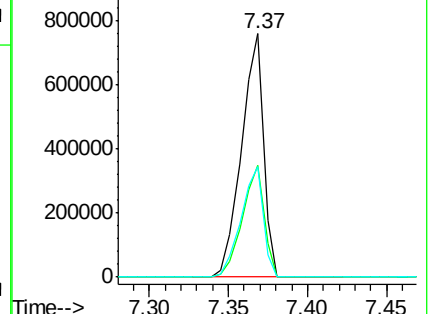
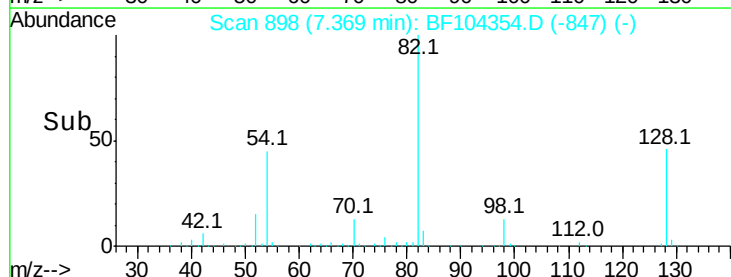
54 45.4 41.4 62.2

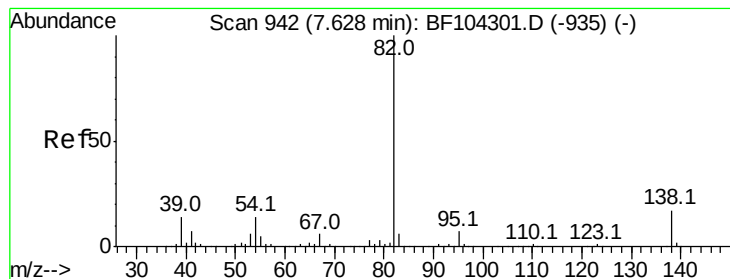


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.493 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-S

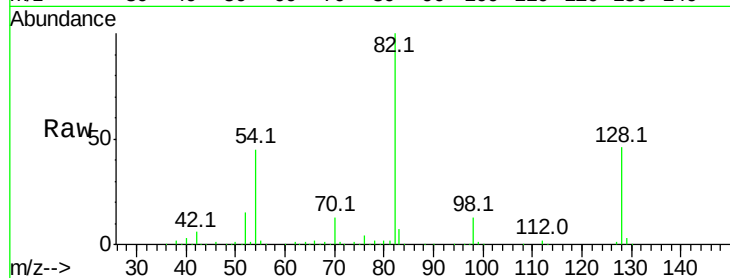
Tot Ion: 82 Resp: 728407

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

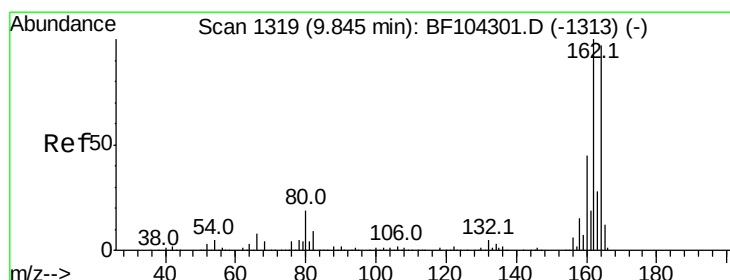
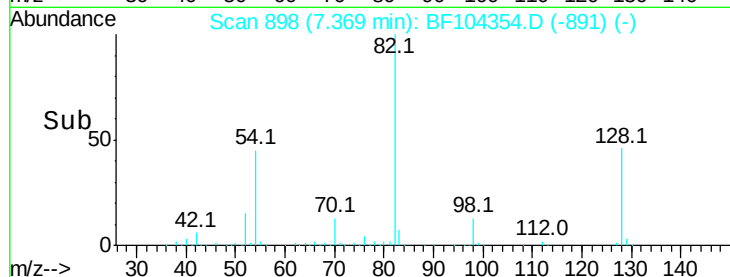
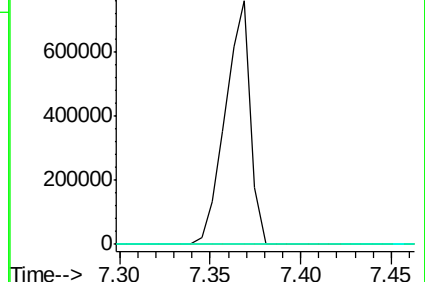
138 0.0 14.9 22.3#



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: BF104354.D

Acq: 7 Apr 2018 12:55

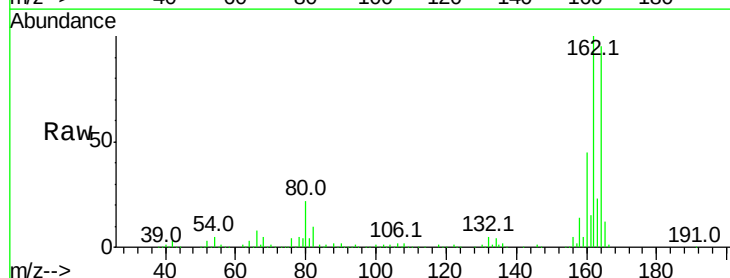
Tgt Ion:164 Resp: 240580

Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

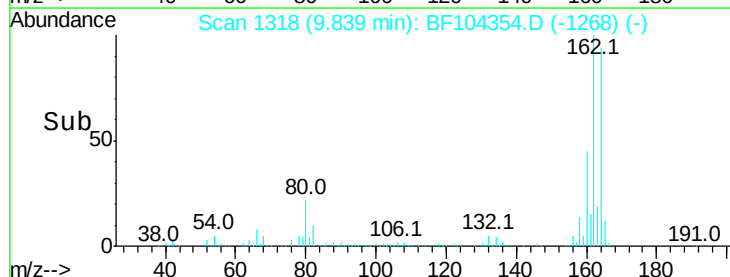
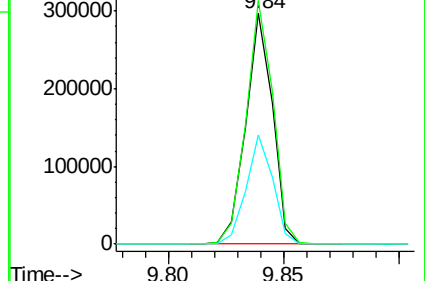
160 47.2 38.3 57.5

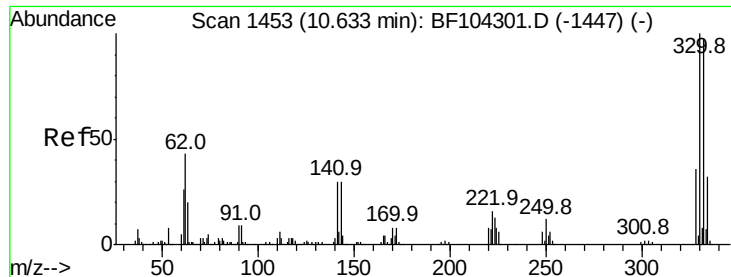


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

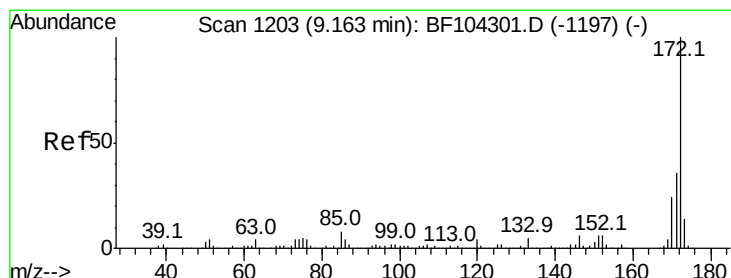
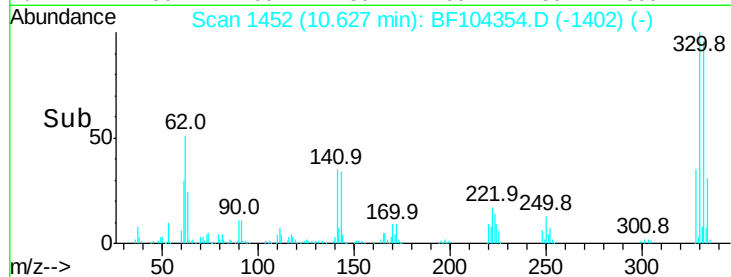
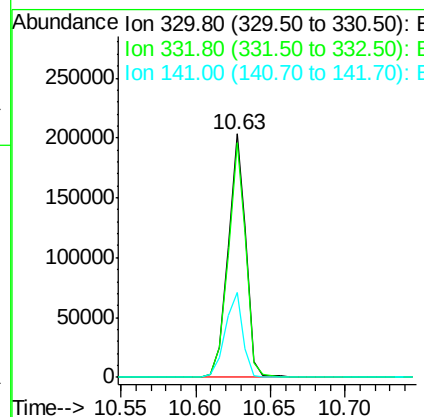
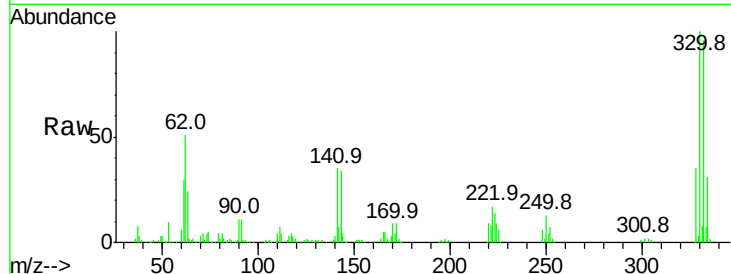




#41
 2,4,6-Tribromophenol
 Concen: 68.733 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104354.D
 Acq: 7 Apr 2018 12:55

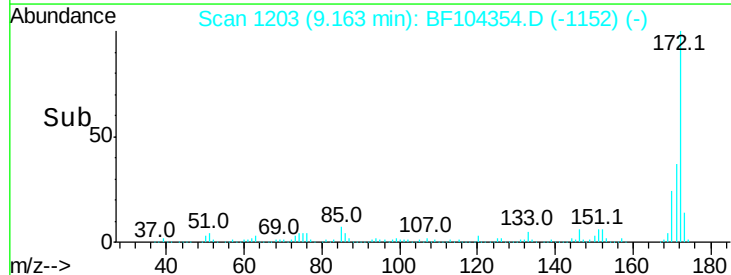
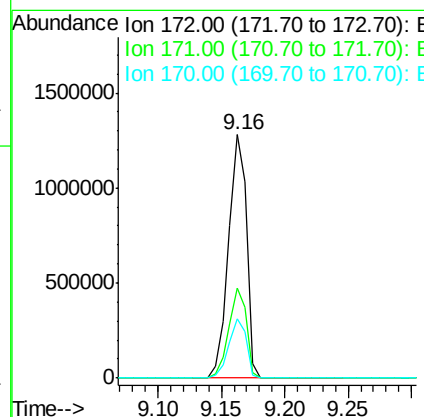
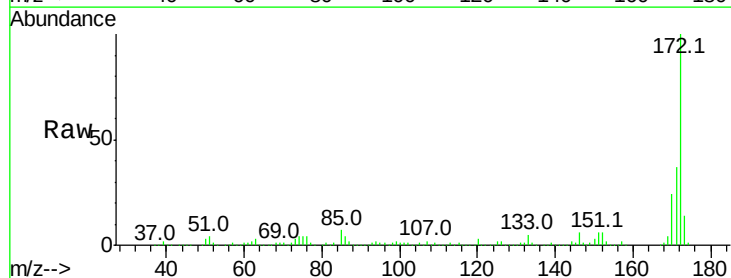
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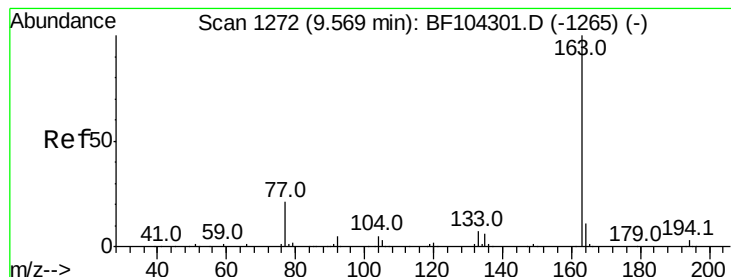
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	34.6	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 82.688 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104354.D
 Acq: 7 Apr 2018 12:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.3	19.6	29.4





#49

Dimethylphthalate

Concen: 2.081 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

Instrument :

BNA_F

ClientSampleId :

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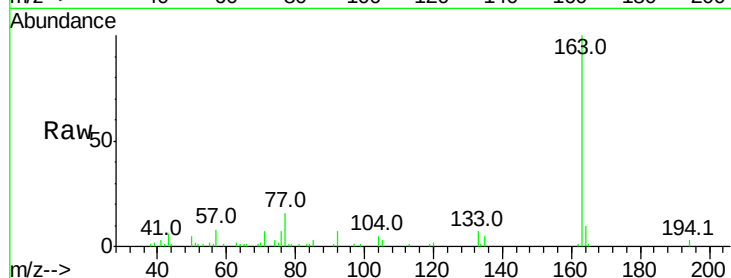
Tot Ion:163 Resp: 39480

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

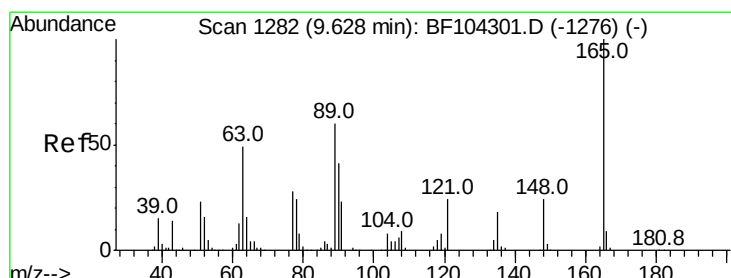
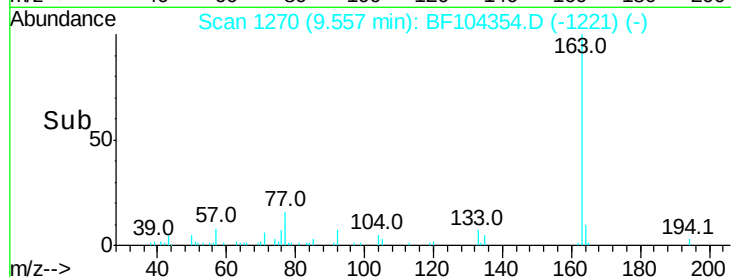
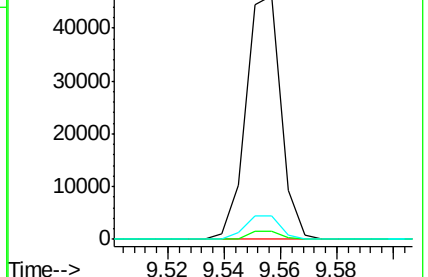
164 9.7 8.2 12.2



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: 8.796 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

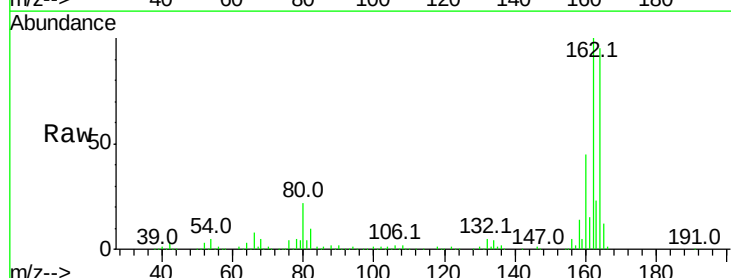
Tgt Ion:165 Resp: 30879

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

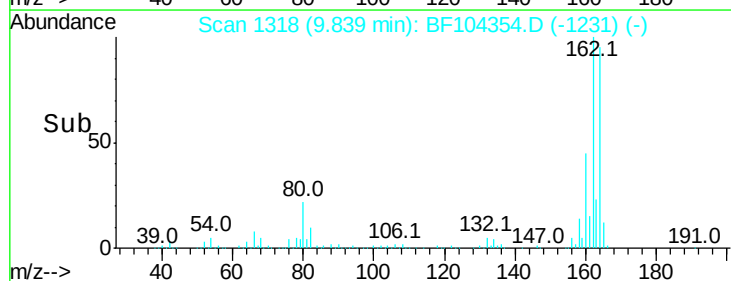
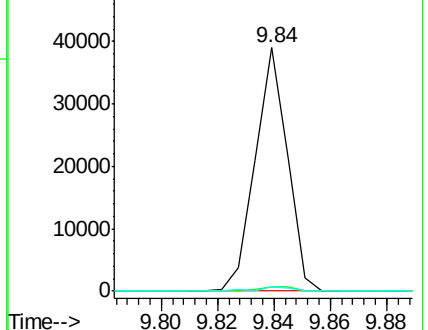
89 1.7 44.0 66.0#

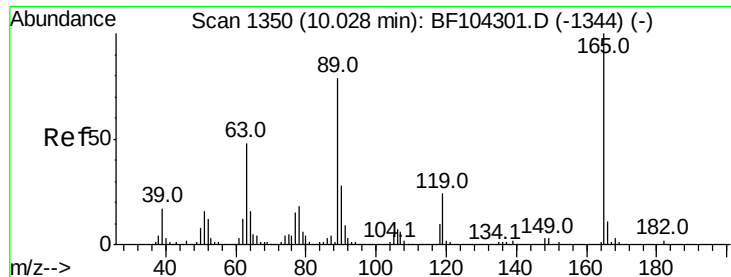


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#56

2,4-Dinitrotoluene

Concen: 6.706 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

Instrument :

BNA_F

ClientSampleId :

040418-DBRI-E-D-S

Tot Ion:165 Resp: 30879

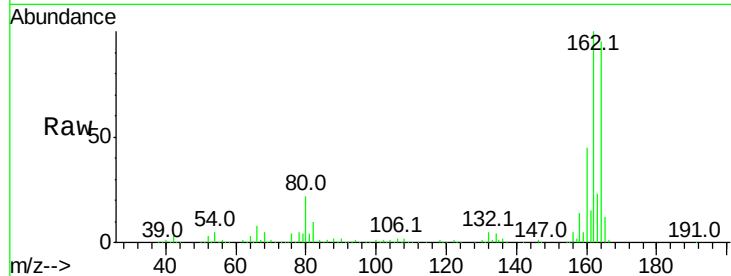
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#



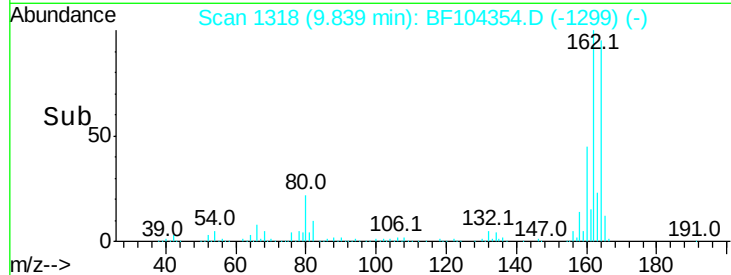
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

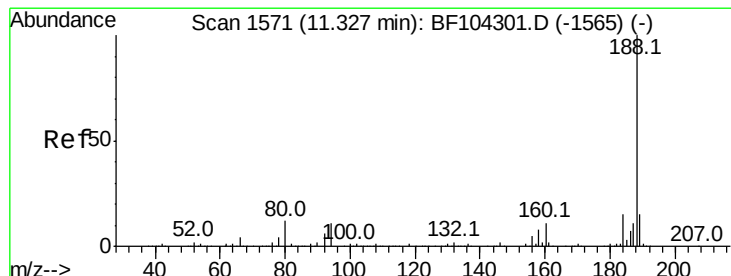
Ion 182.00 (181.70 to 182.70): E

Time-->



Time-->

9.80 9.82 9.84 9.86 9.88



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

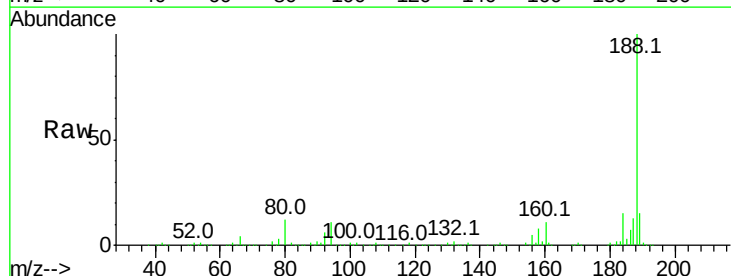
Tgt Ion:188 Resp: 357794

Ion Ratio Lower Upper

188 100

94 10.9 8.5 12.7

80 11.8 9.2 13.8

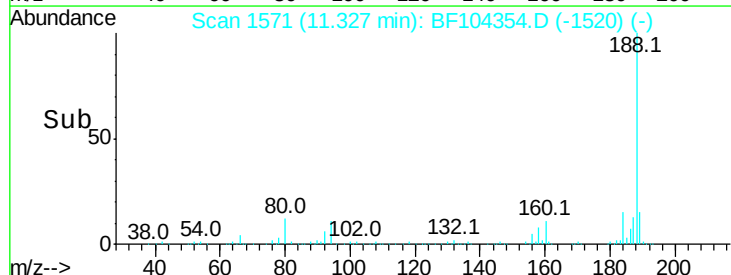


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

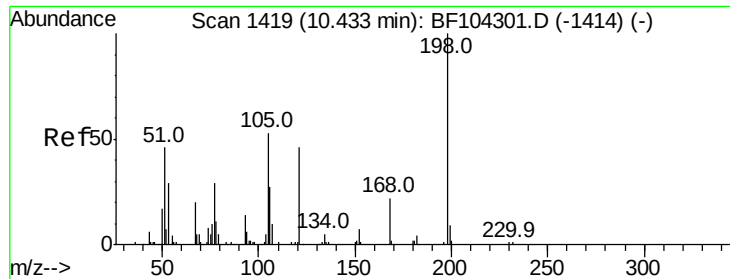
Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->

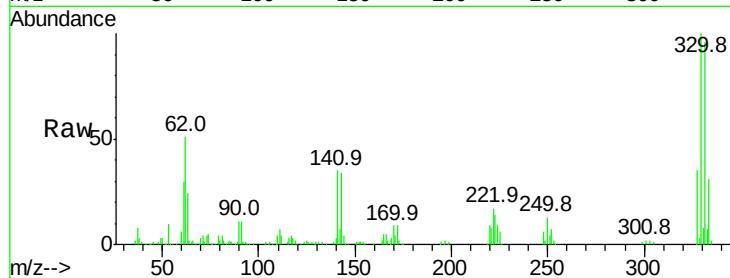
11.30 11.35



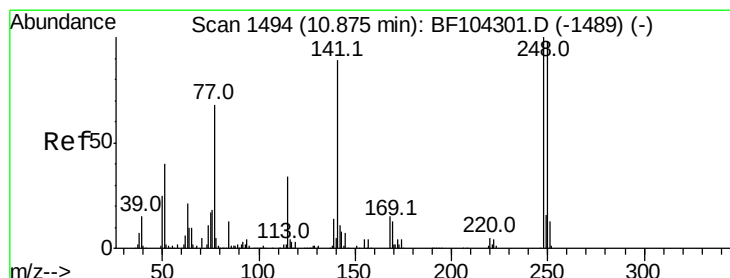
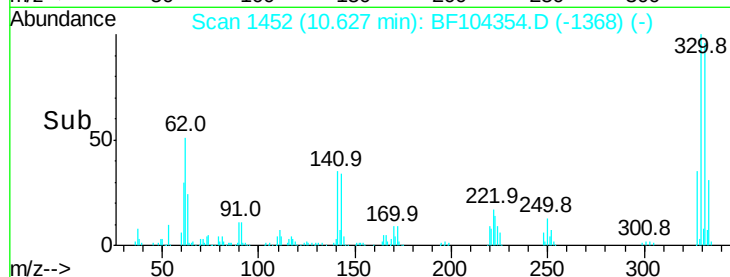
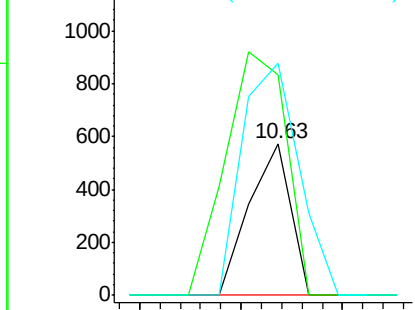
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.505 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.19 min
 Lab File: BF104354.D
 Acq: 7 Apr 2018 12:55

Instrument :
 BNA_F
 ClientSampleId :
 040418-DBRI-E-D-S

Tot Ion:198 Resp: 324
 Ion Ratio Lower Upper
 198 100
 51 145.5 37.7 77.7#
 105 153.1 36.3 76.3#

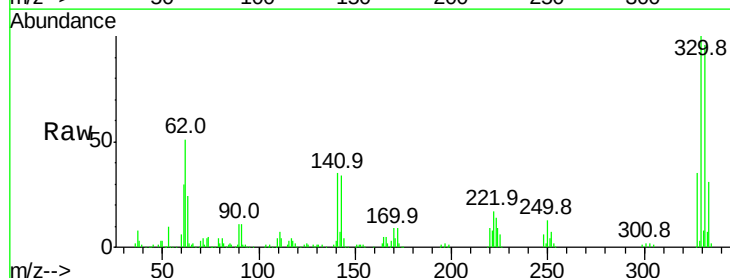


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

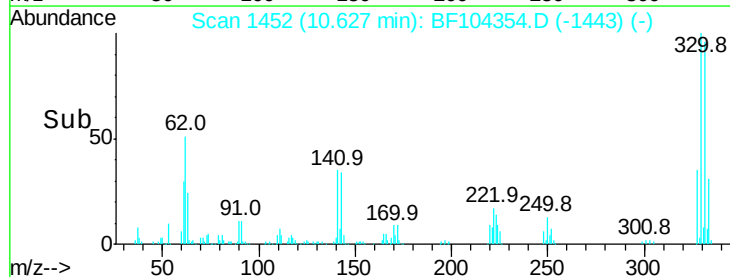
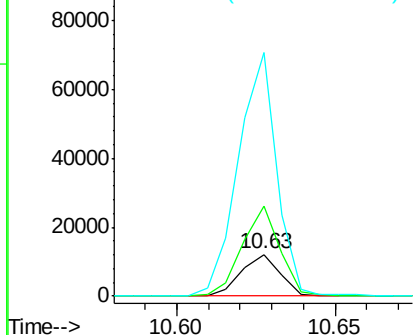


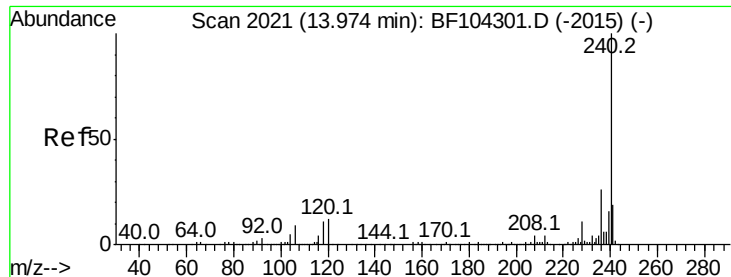
#66
 4-Bromophenyl-phenylether
 Concen: 2.725 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104354.D
 Acq: 7 Apr 2018 12:55

Tgt Ion:248 Resp: 10370
 Ion Ratio Lower Upper
 248 100
 250 214.9 76.9 115.3#
 141 580.8 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: BF104354.D

Acq: 7 Apr 2018 12:55

Instrument :

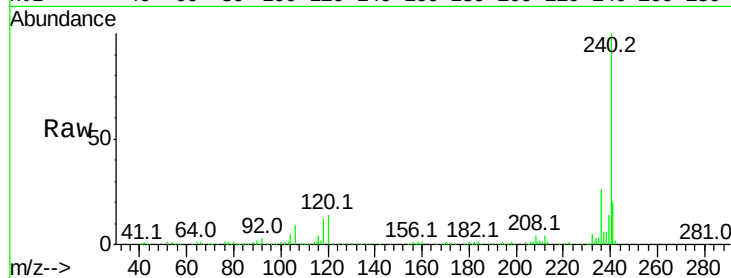
BNA_F

ClientSampleId :

040418-DBRI-E-D-S

Tot Ion:240 Resp: 275747

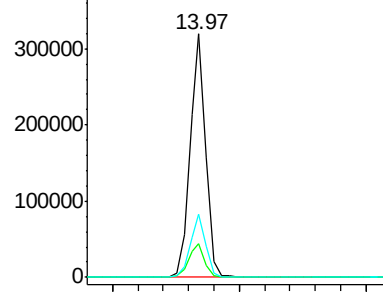
Ion	Ratio	Lower	Upper
240	100		
120	13.7	9.5	14.3
236	25.9	20.7	31.1



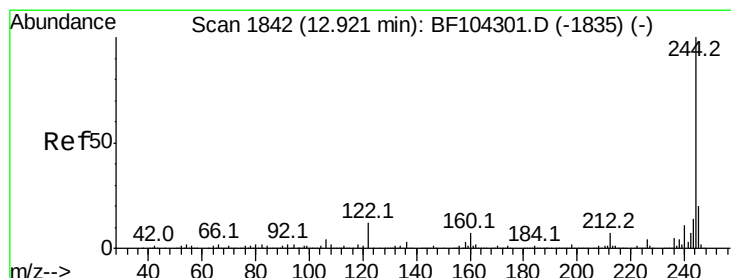
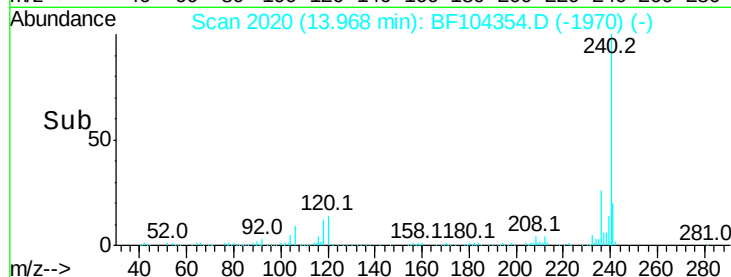
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.90 14.00



#78

Terphenyl-d14

Concen: 73.998 ng

RT: 12.92 min Scan# 1842

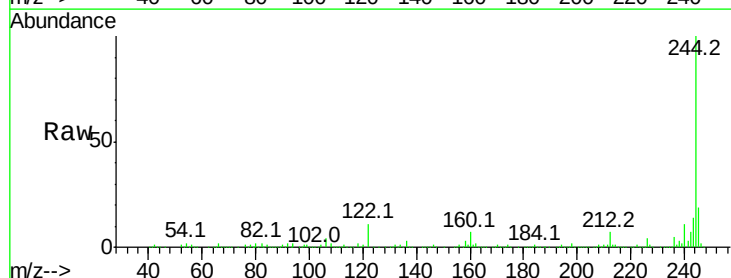
Delta R.T. -0.00 min

Lab File: BF104354.D

Acq: 7 Apr 2018 12:55

Tgt Ion:244 Resp: 895017

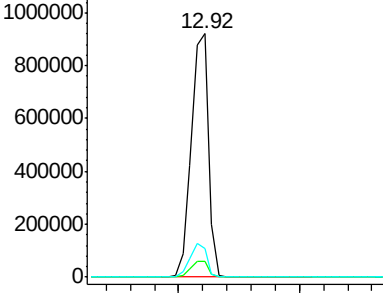
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.5	11.0	16.4



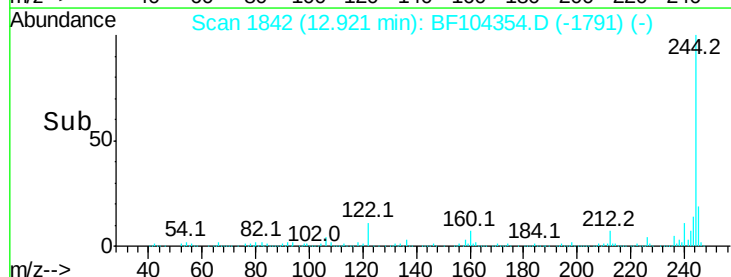
Abundance Ion 244.00 (243.70 to 244.70): E

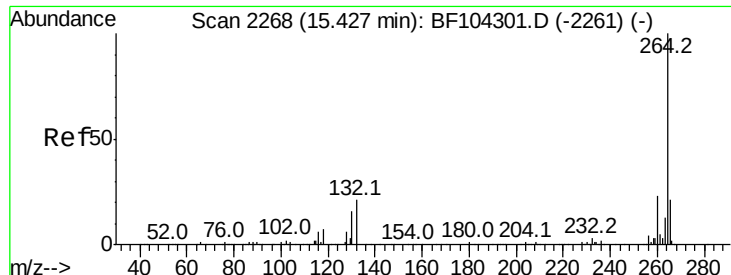
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 12.90 13.00

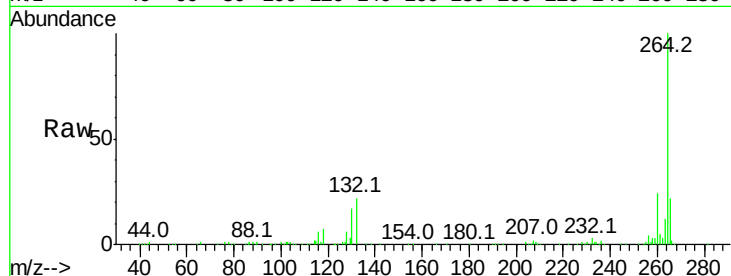




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.00 min
Lab File: BF104354.D
Acq: 7 Apr 2018 12:55

Instrument :
BNA_F
ClientSampleId :
040418-DBRI-E-D-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	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

