

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104349.D
 Acq On : 7 Apr 2018 10:43
 Operator : JU/SJ
 Sample : J2255-04
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 09 00:49:32 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	147920	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	585229	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	250633	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	365986	20.00	ng	0.00
75) Chrysene-d12	13.97	240	297397	20.00	ng	0.00
86) Perylene-d12	15.43	264	274125	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	265262	27.42	ng	0.00
7) Phenol-d6	6.42	99	191897	16.14	ng	-0.01
23) Nitrobenzene-d5	7.37	82	659036	73.53	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	149367	57.45	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1159242	73.07	ng	0.00
78) Terphenyl-d14	12.92	244	843993	64.70	ng	0.00

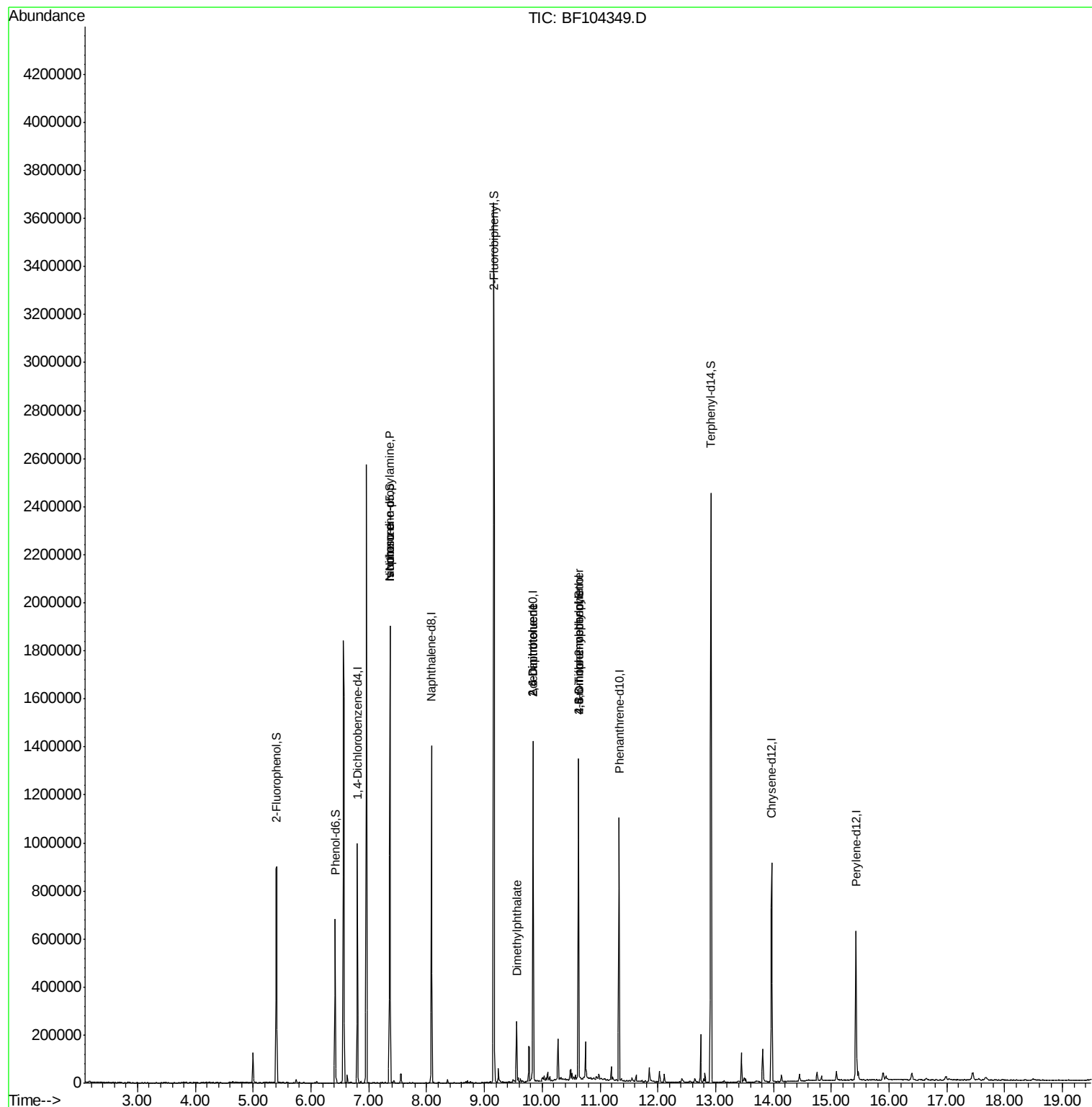
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	10761	Below Cal		# 78
19) n-Nitroso-di-n-propylamine	7.37	70	85723	11.037	ng	# 73
25) Isophorone	7.37	82	658581	34.749	ng	# 64
49) Dimethylphthalate	9.56	163	92395	4.675	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	31495	8.612	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	31495	6.565	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	273	7.477	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	8873	2.279	ng	# 1
76) Benzidine	12.92	184	11013	Below Cal		# 94

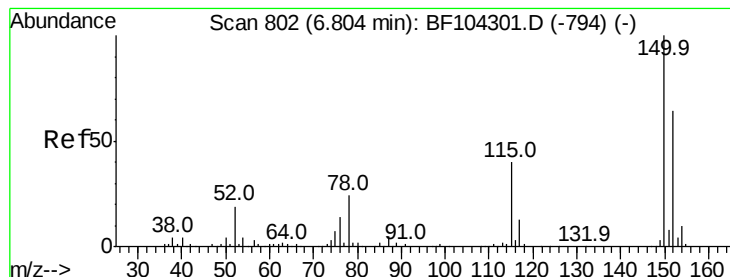
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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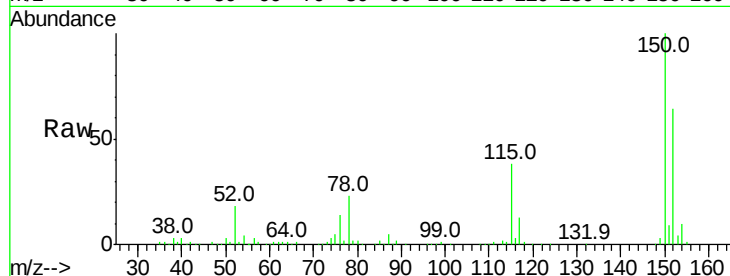


#1

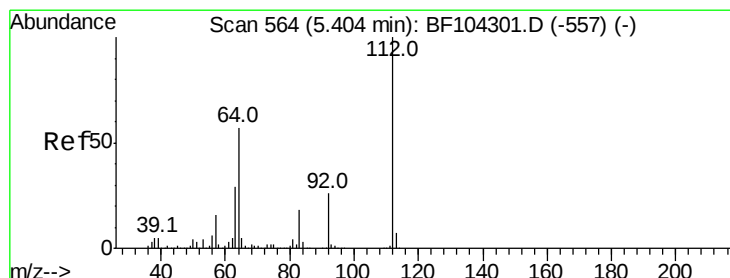
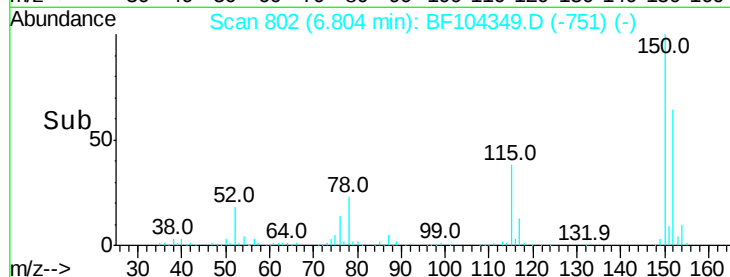
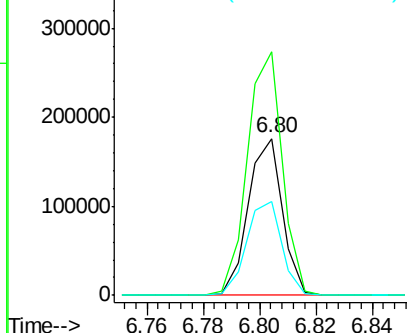
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104349.D
Acq: 7 Apr 2018 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147920
Ion Ratio Lower Upper
152 100
150 155.5 124.6 186.8
115 59.6 50.1 75.1



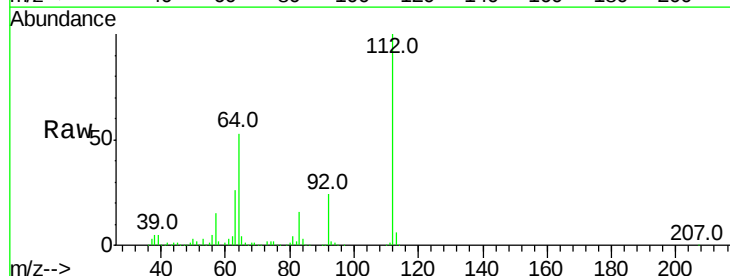
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



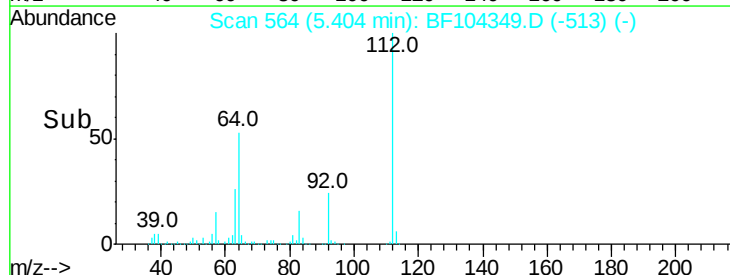
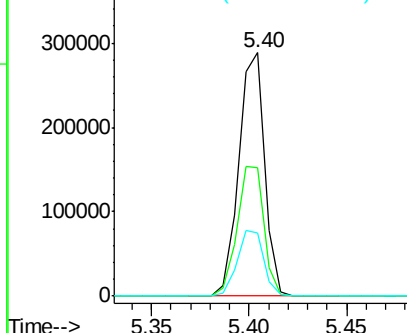
#5

2-Fluorophenol
Concen: 27.420 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104349.D
Acq: 7 Apr 2018 10:43

Tgt Ion:112 Resp: 265262
Ion Ratio Lower Upper
112 100
64 53.0 47.9 71.9
63 26.2 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: 16.145 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

Instrument :

BNA_F

ClientSampleId :

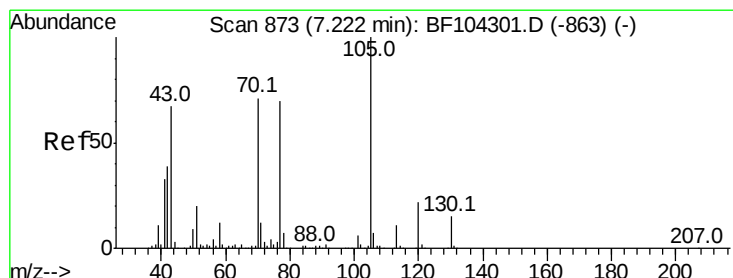
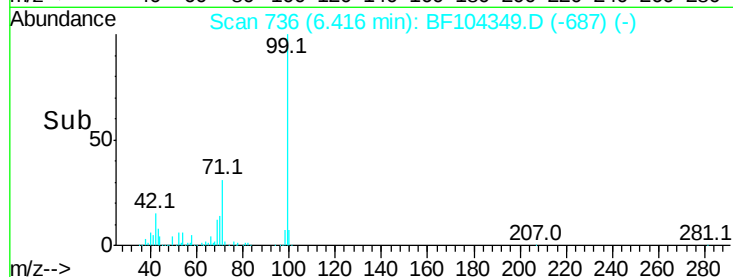
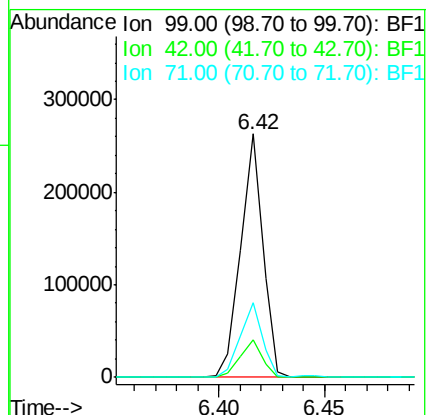
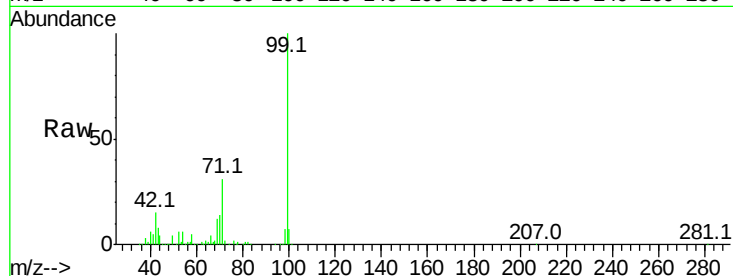
Tot Ion: 99 Resp: 191897

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 30.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.037 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

Tgt Ion: 70 Resp: 85723

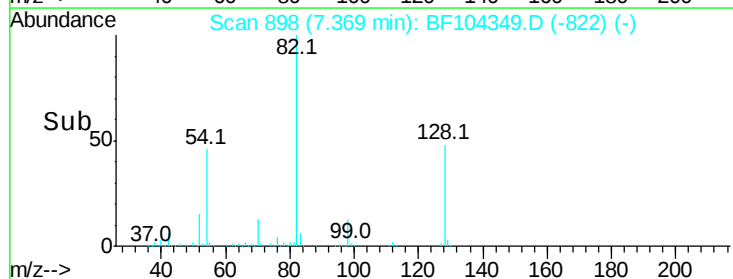
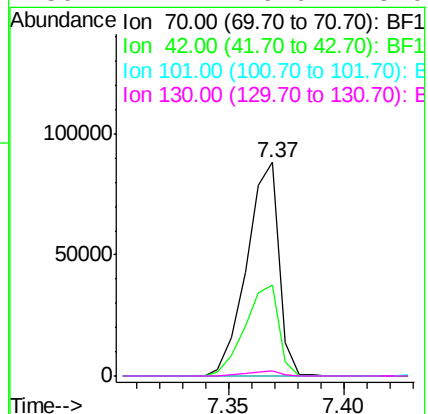
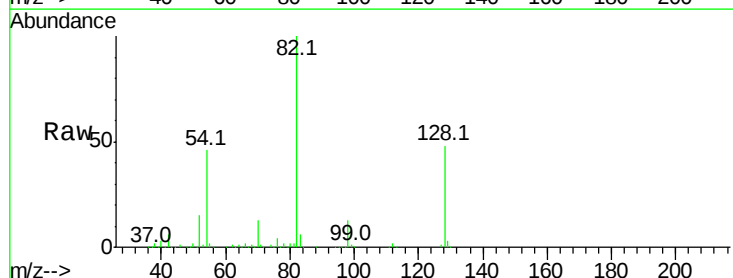
Ion Ratio Lower Upper

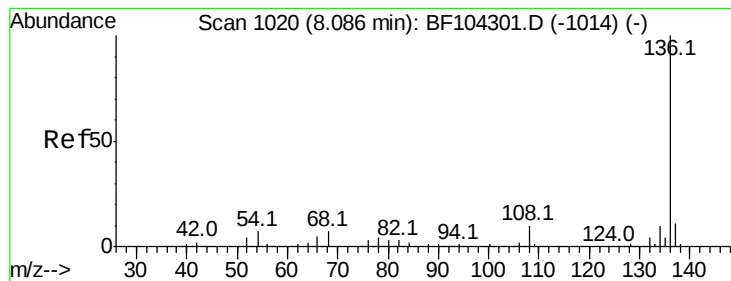
70 100

42 42.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 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: BF104349.D

Acq: 7 Apr 2018 10:43

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 585229

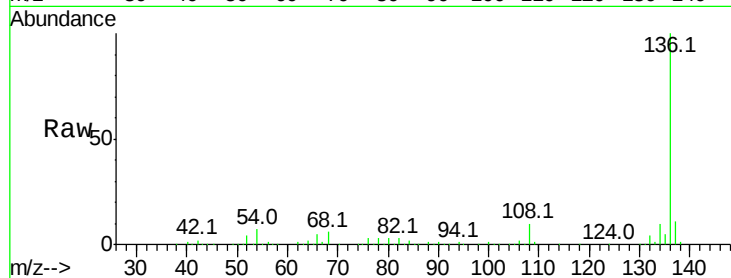
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.6 6.6 9.8

68 6.1 5.0 7.4

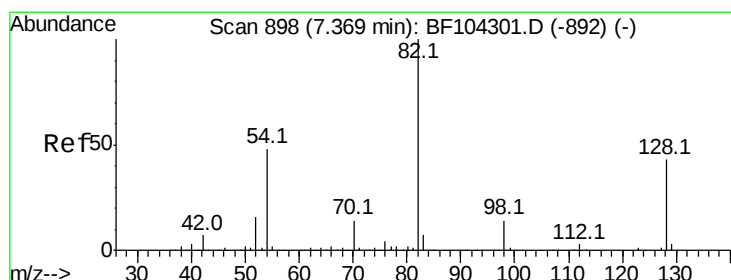
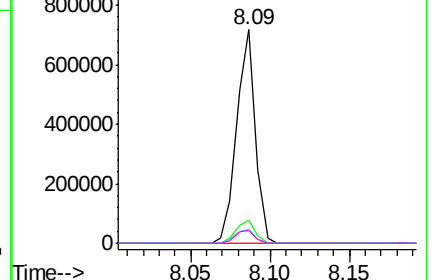
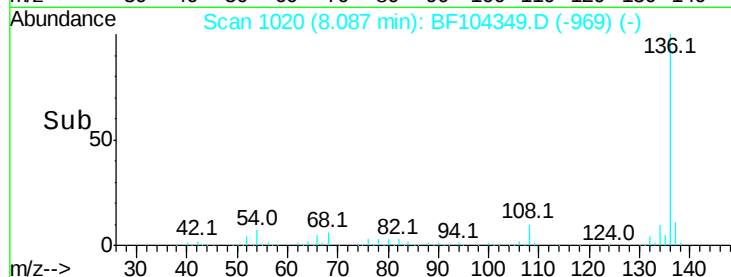


Abundance Ion 136.00 (135.70 to 136.70): E

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: 73.533 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

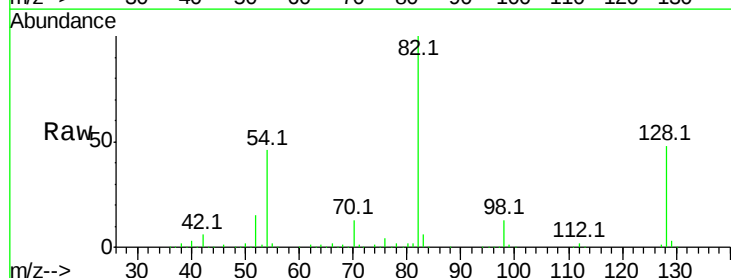
Tgt Ion: 82 Resp: 659036

Ion Ratio Lower Upper

82 100

128 47.6 36.1 54.1

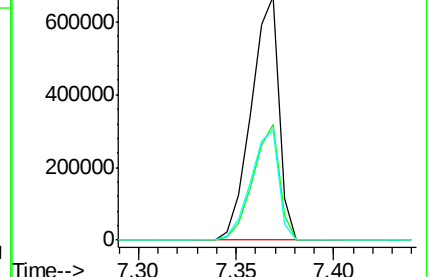
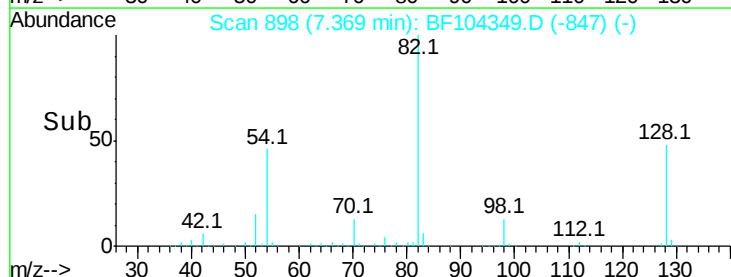
54 45.5 41.4 62.2

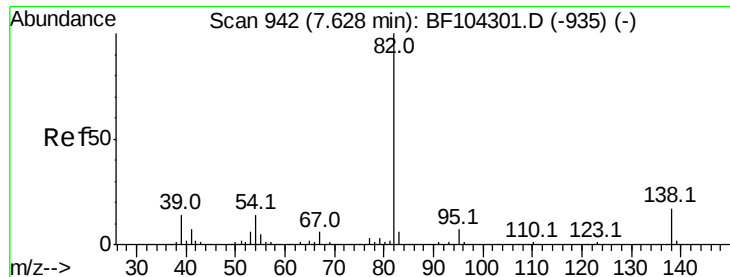


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 34.749 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

Instrument :

BNA_F

ClientSampleId :

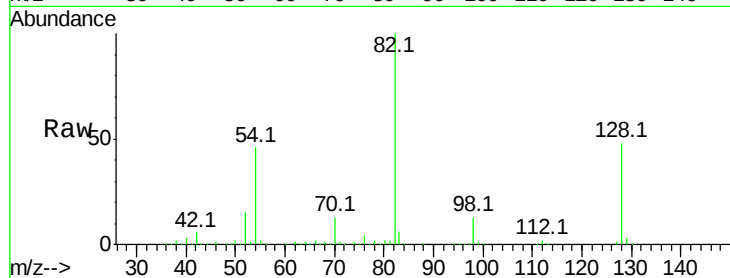
Tot Ion: 82 Resp: 658581

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

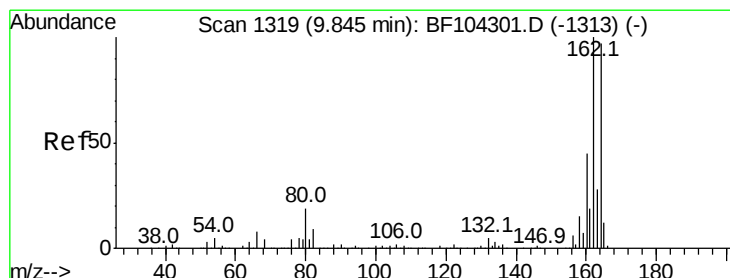
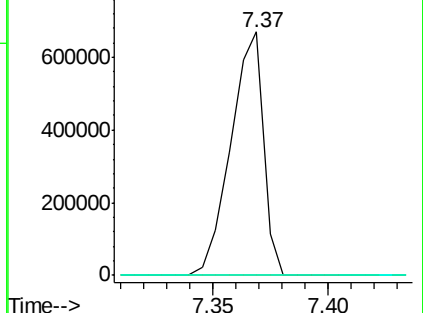
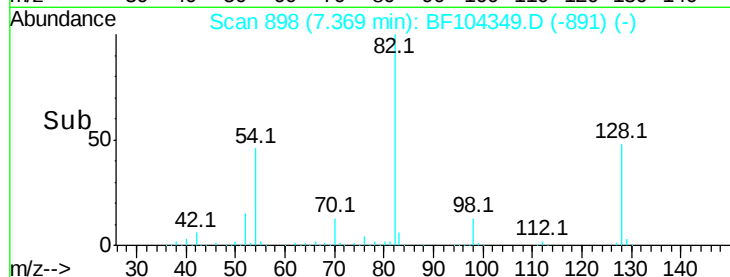
138 0.0 14.9 22.3#



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: BF104349.D

Acq: 7 Apr 2018 10:43

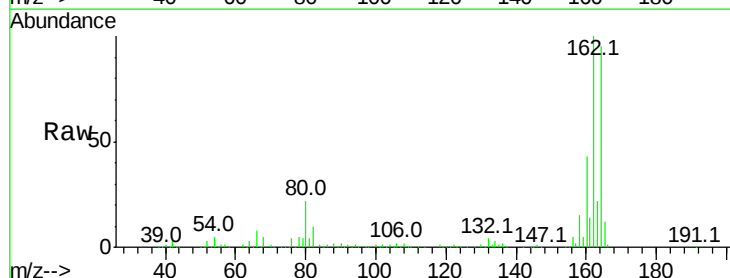
Tgt Ion:164 Resp: 250633

Ion Ratio Lower Upper

164 100

162 105.5 86.1 129.1

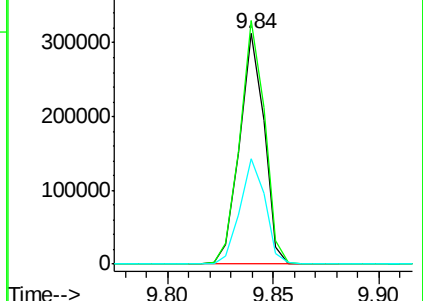
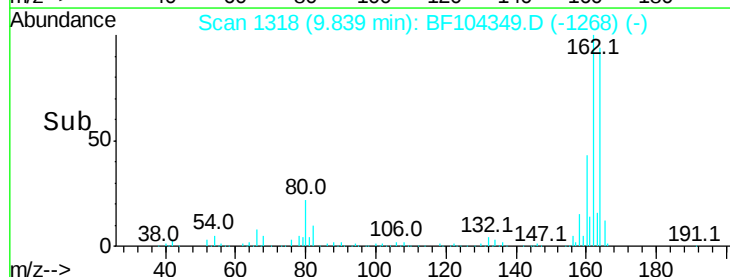
160 45.9 38.3 57.5

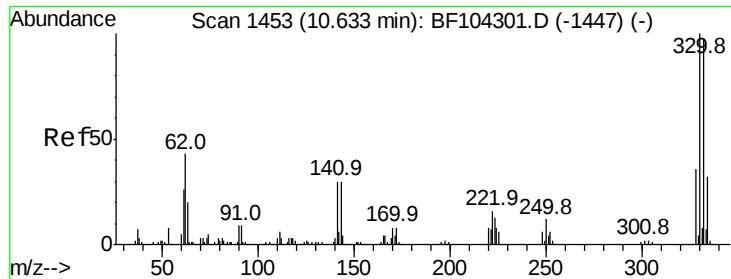


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

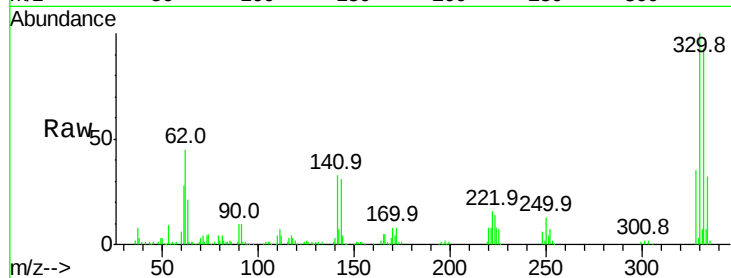




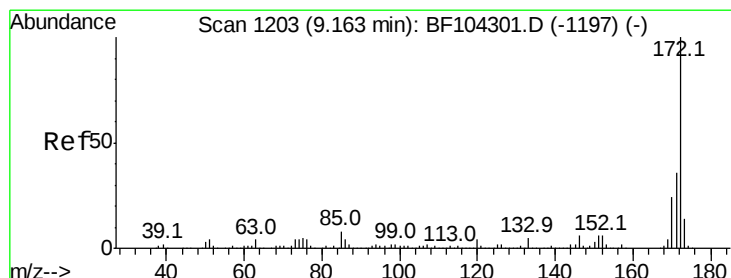
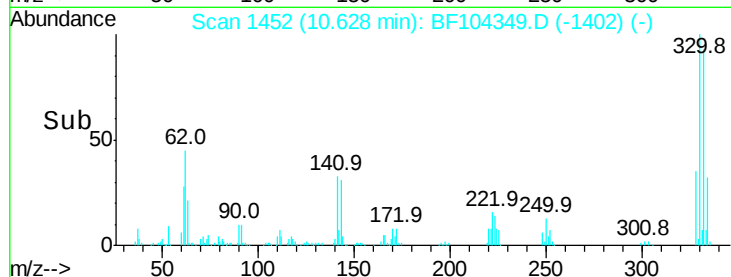
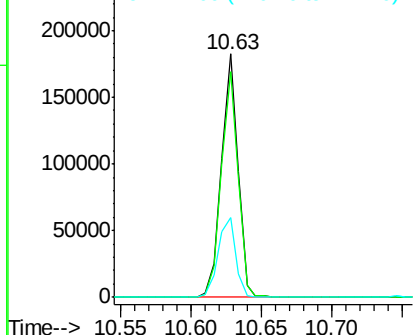
#41
 2,4,6-Tribromophenol
 Concen: 57.451 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104349.D
 Acq: 7 Apr 2018 10:43

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 149367
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.6
 141 35.2 29.9 44.9

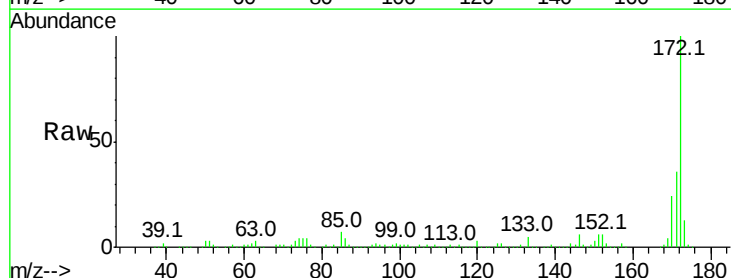


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

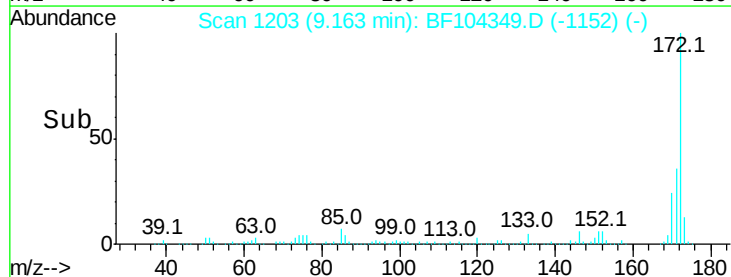
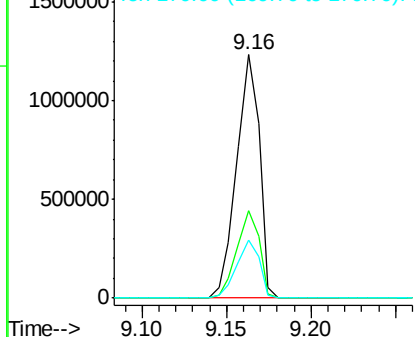


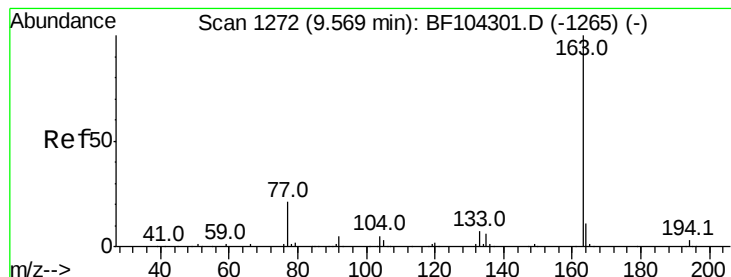
#44
 2-Fluorobiphenyl
 Concen: 73.068 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF104349.D
 Acq: 7 Apr 2018 10:43

Tgt Ion:172 Resp: 1159242
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.8 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: 4.675 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

Instrument :

BNA_F

ClientSampleId :

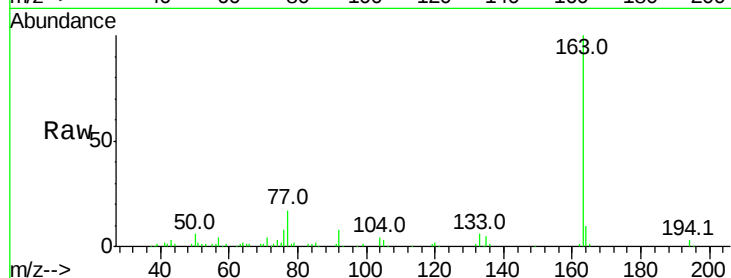
Tot Ion:163 Resp: 92395

Ion Ratio Lower Upper

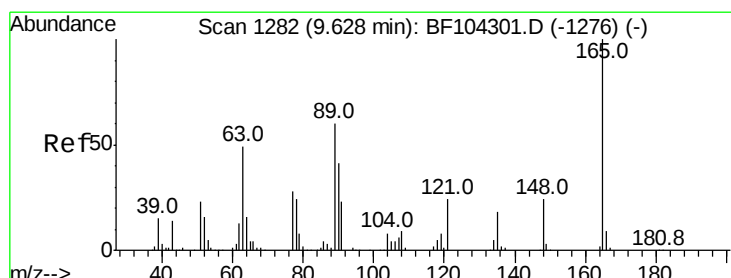
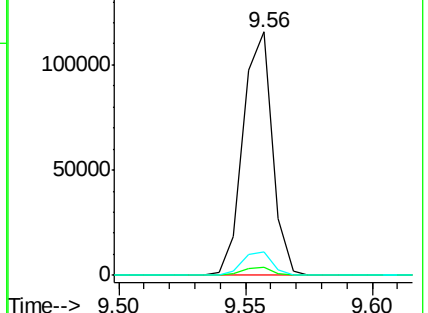
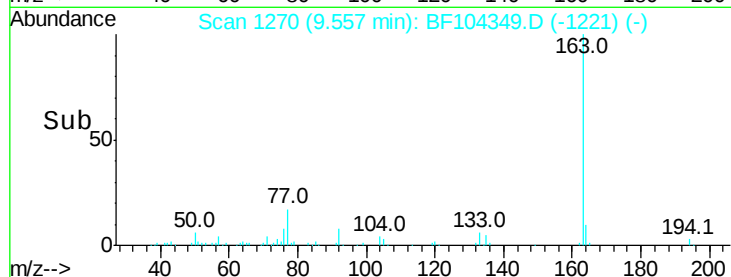
163 100

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: 8.612 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

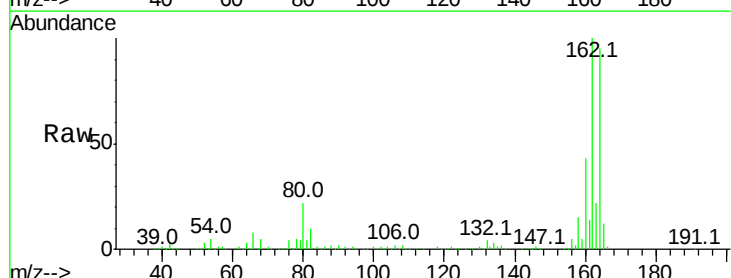
Tgt Ion:165 Resp: 31495

Ion Ratio Lower Upper

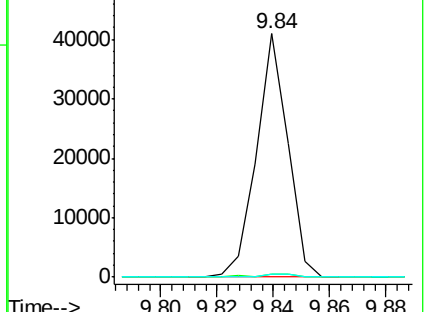
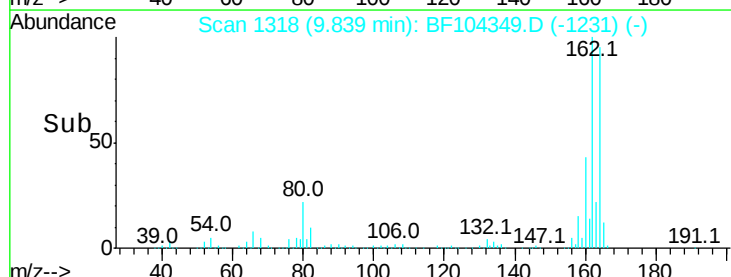
165 100

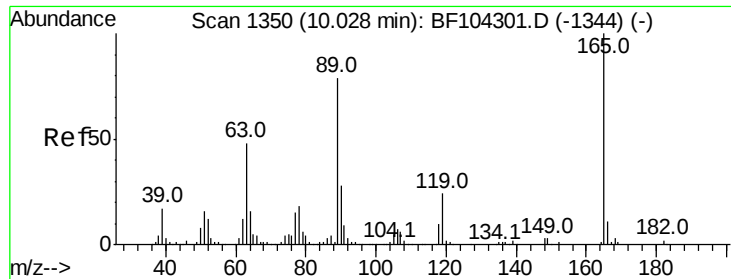
63 1.5 44.7 67.1#

89 1.1 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

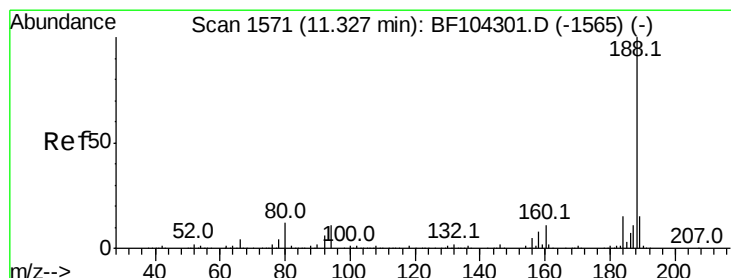
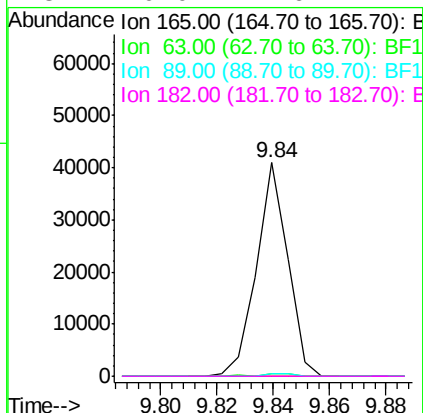
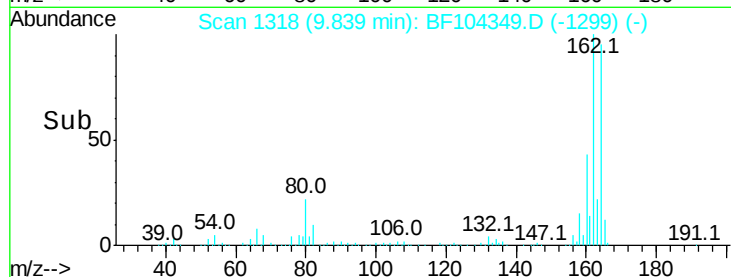
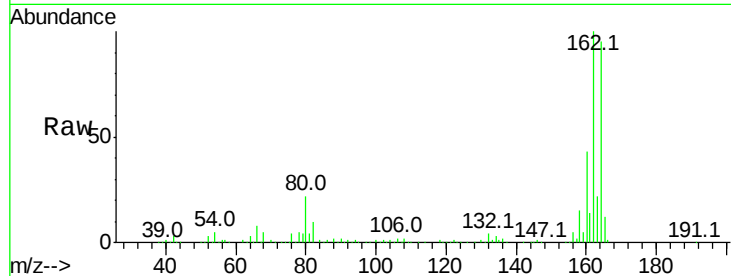




#56
 2,4-Dinitrotoluene
 Concen: 6.565 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104349.D
 Acq: 7 Apr 2018 10:43

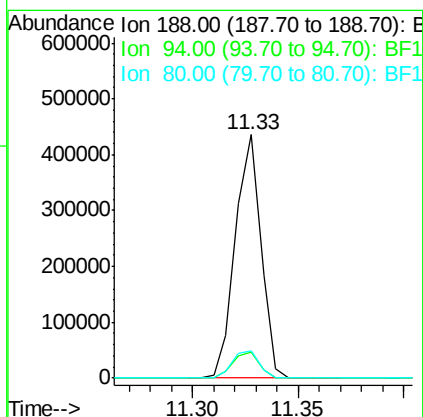
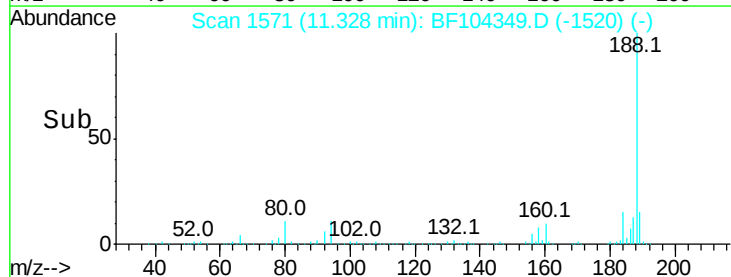
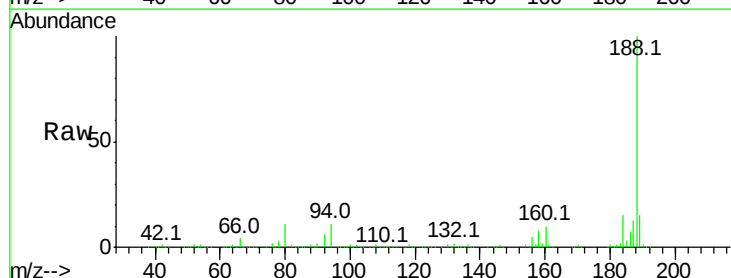
Instrument :
 BNA_F
 ClientSampleId :

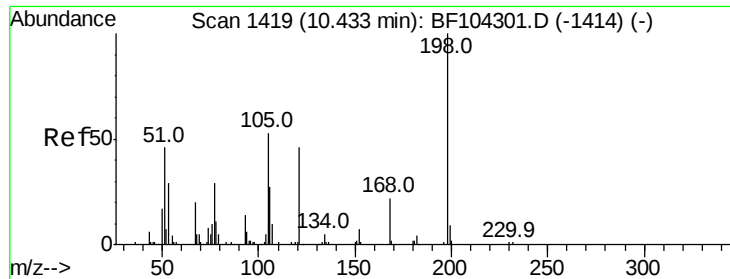
Tot Ion:	165	Resp:	31495
Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF104349.D
 Acq: 7 Apr 2018 10:43

Tgt Ion:	188	Resp:	365986
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: 7.477 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

Instrument :

BNA_F

ClientSampleId :

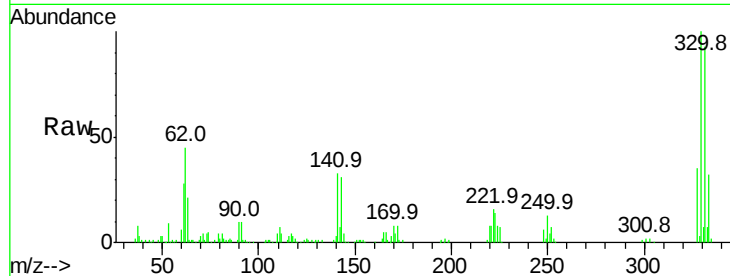
Tot Ion:198 Resp: 273

Ion Ratio Lower Upper

198 100

51 141.4 37.7 77.7#

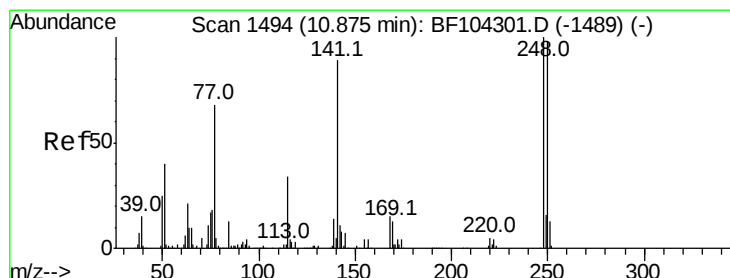
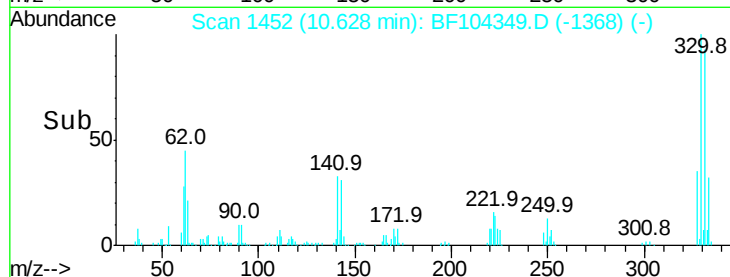
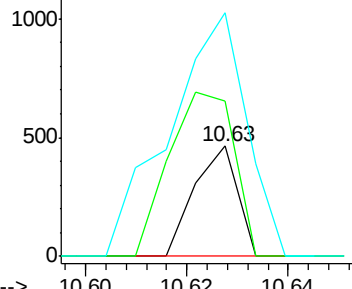
105 220.9 36.3 76.3#



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: 2.279 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.25 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

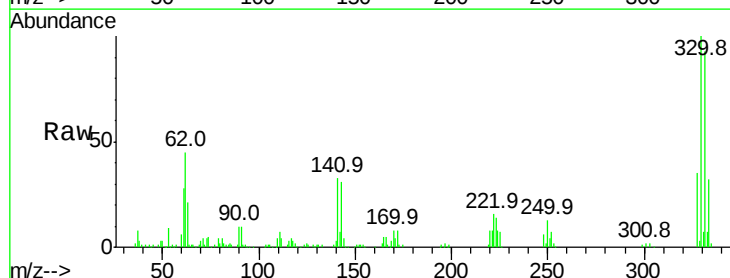
Tgt Ion:248 Resp: 8873

Ion Ratio Lower Upper

248 100

250 212.2 76.9 115.3#

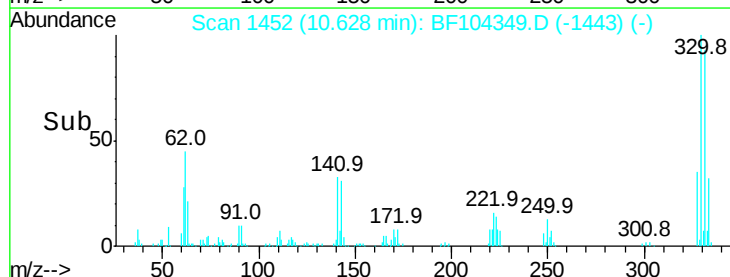
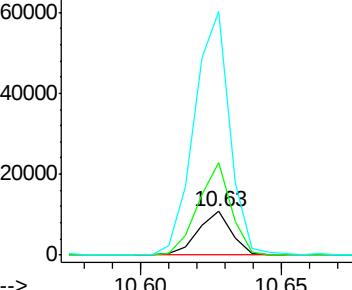
141 558.5 74.4 111.6#

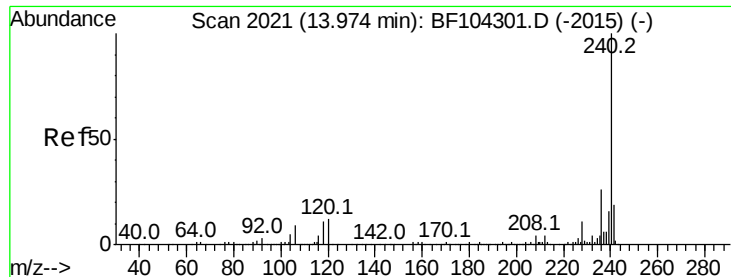


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF104349.D

Acq: 7 Apr 2018 10:43

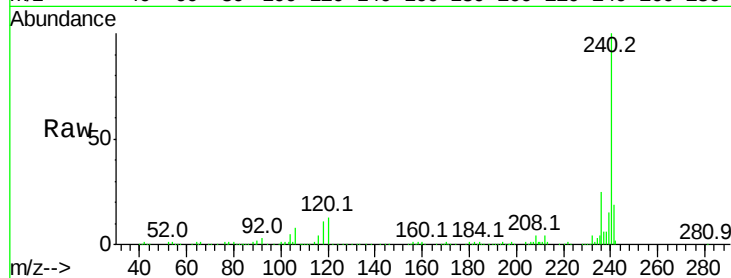
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 297397

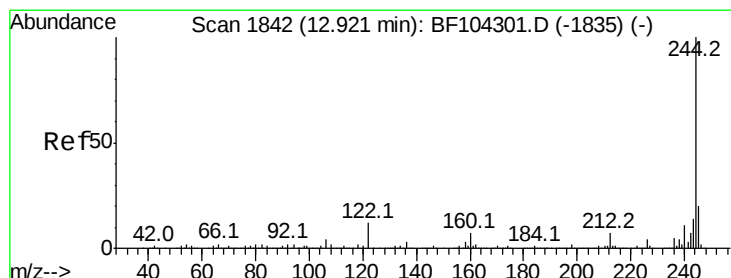
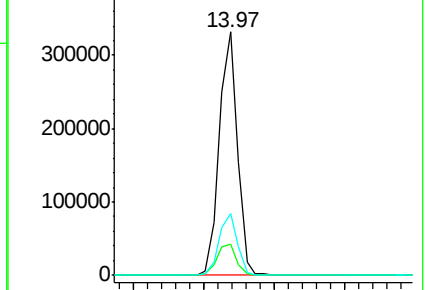
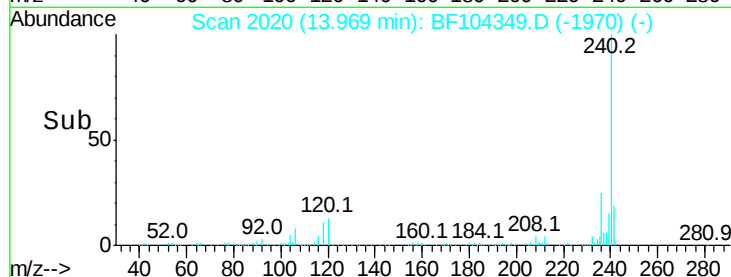
Ion	Ratio	Lower	Upper
240	100		
120	12.9	9.5	14.3
236	25.4	20.7	31.1



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: 64.700 ng

RT: 12.92 min Scan# 1841

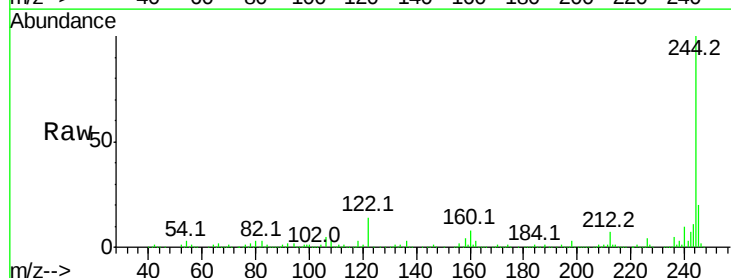
Delta R.T. -0.01 min

Lab File: BF104349.D

Acq: 7 Apr 2018 10:43

Tgt Ion:244 Resp: 843993

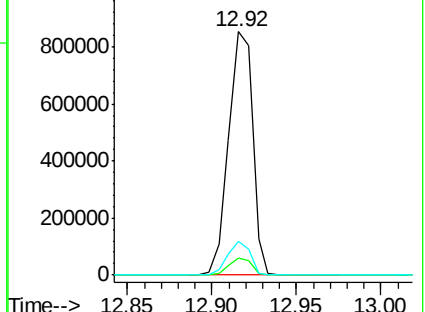
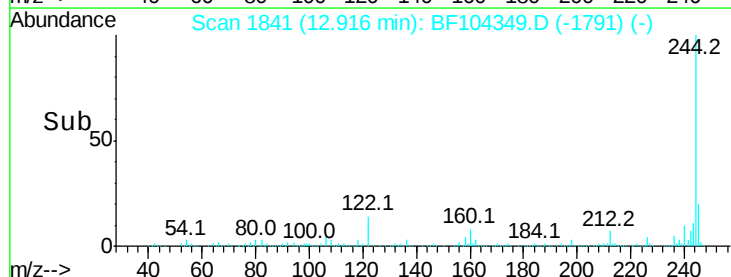
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.9	11.0	16.4

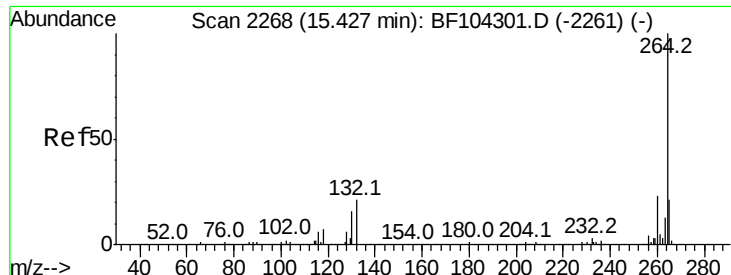


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF104349.D
Acq: 7 Apr 2018 10:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 274125

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.5	17.5	26.3

