

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104603.D
 Acq On : 18 Apr 2018 15:57
 Operator : JU/SJ
 Sample : J2425-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 16:47:23 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	124512	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	490933	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	194000	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	279617	20.00	ng	0.00
75) Chrysene-d12	13.97	240	274774	20.00	ng	0.00
86) Perylene-d12	15.44	264	294771	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	808777	99.32	ng	0.00
7) Phenol-d6	6.44	99	971784	97.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	592438	78.80	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	183822	91.34	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	922683	75.13	ng	0.00
78) Terphenyl-d14	12.92	244	696866	57.82	ng	0.00

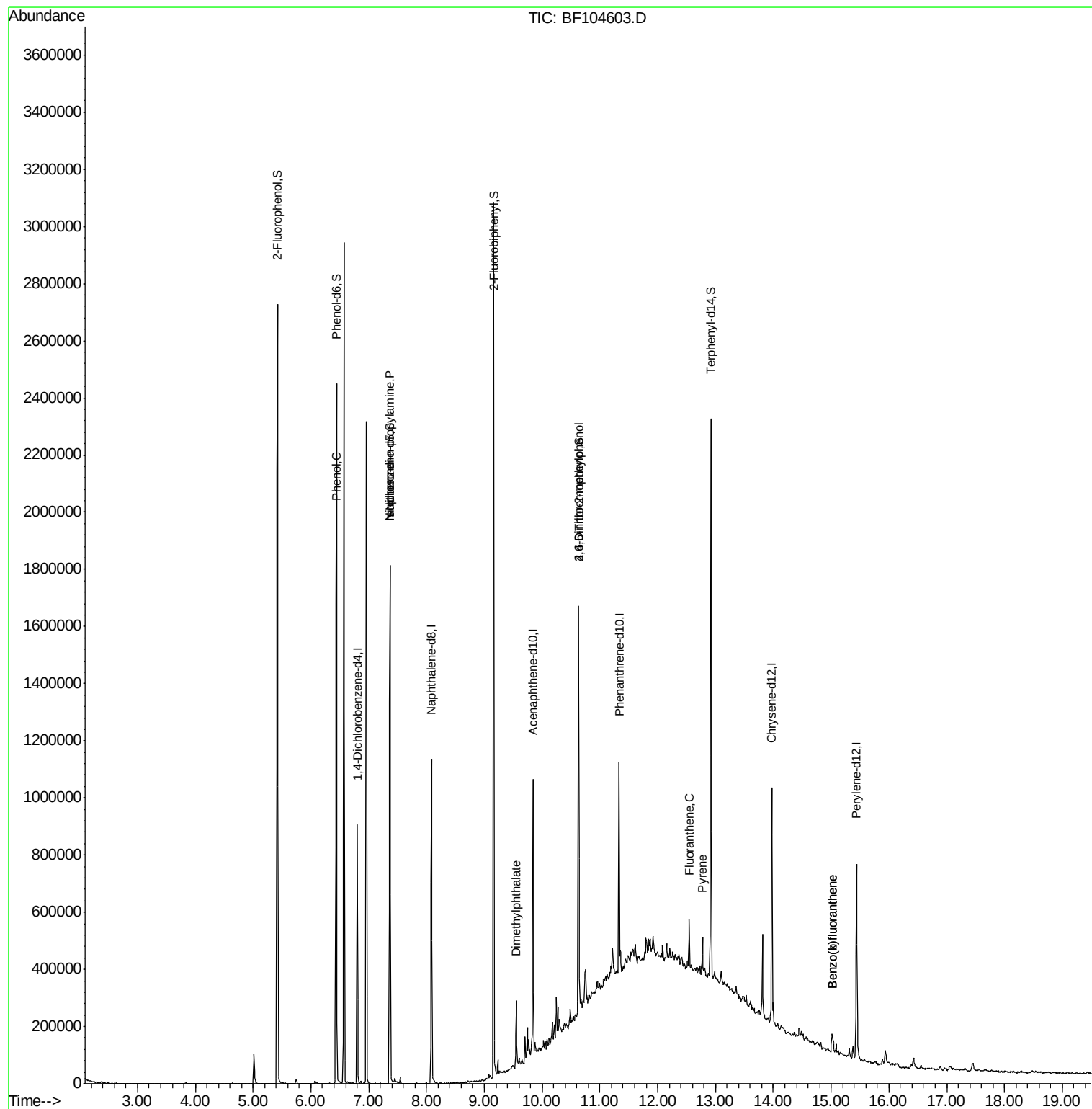
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.44	77	1482	Below Cal		# 1
10) Phenol	6.45	94	21362	2.012	ng	98
19) n-Nitroso-di-n-propylamine	7.37	70	76152	11.648	ng	# 73
25) Isophorone	7.37	82	592433	37.263	ng	# 64
49) Dimethylphthalate	9.56	163	92391	6.039	ng	99
64) 4,6-Dinitro-2-methylphenol	10.63	198	324	7.549	ng	# 1
74) Fluoranthene	12.54	202	64193	3.946	ng	99
76) Benzydine	12.69	184	496	Below Cal		# 1
77) Pyrene	12.77	202	52910	2.598	ng	99
87) Benzo(b)fluoranthene	15.02	252	41684	2.239	ng	# 90
88) Benzo(k)fluoranthene	15.02	252	41684	2.372	ng	# 93

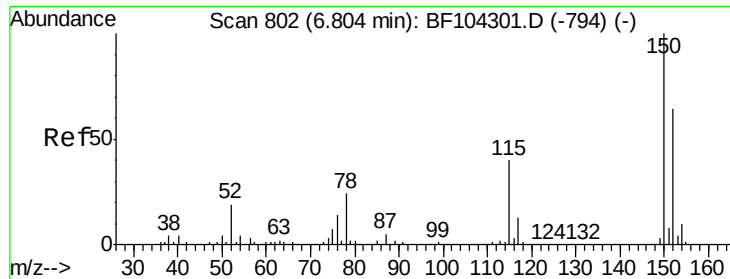
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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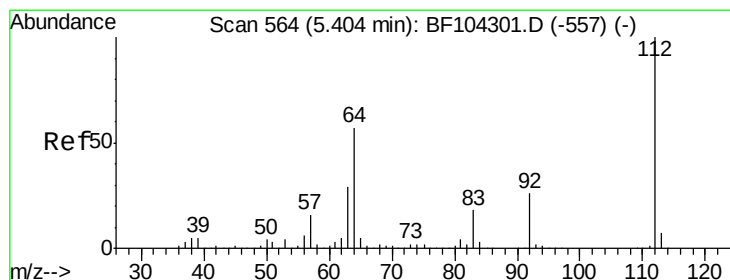
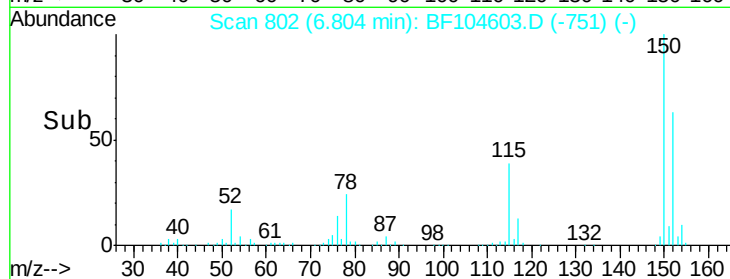
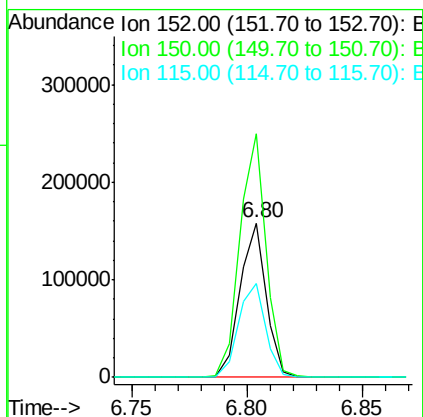
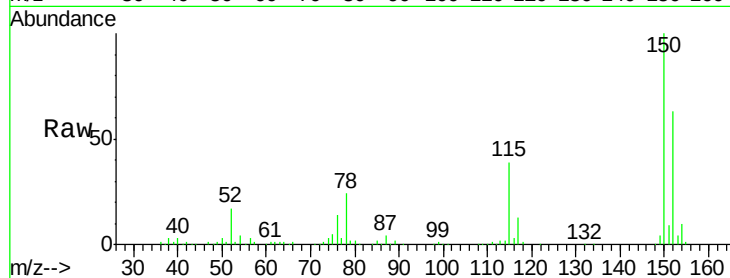


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104603.D
Acq: 18 Apr 2018 15:57

Instrument :
BNA_F
ClientSampleId :

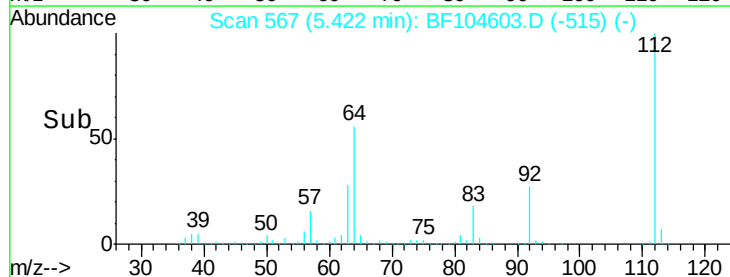
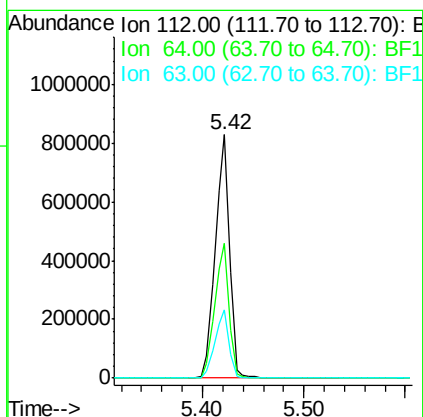
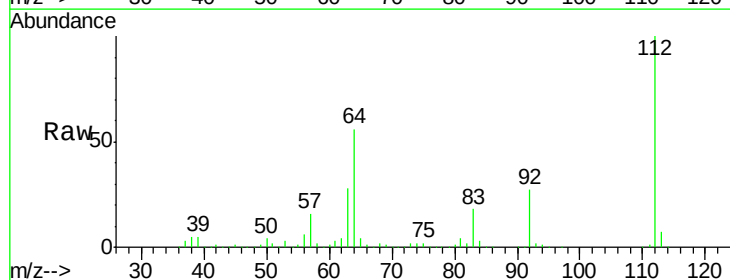
Tot Ion:152 Resp: 124512
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 60.9 50.1 75.1

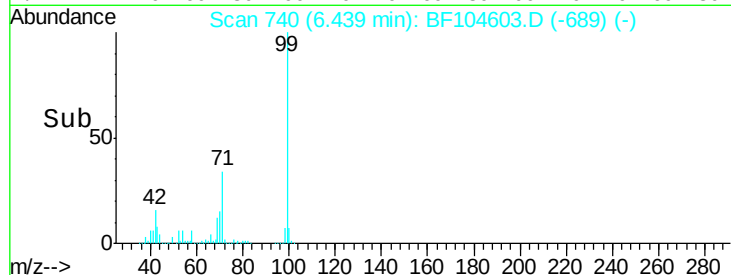
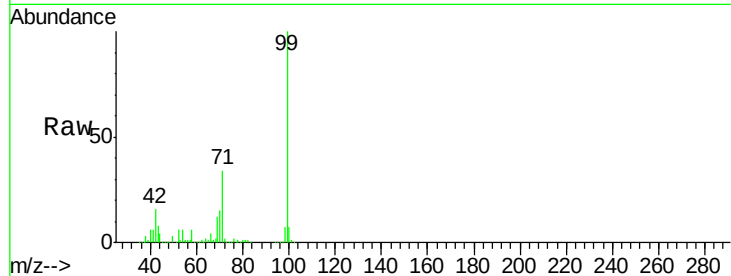
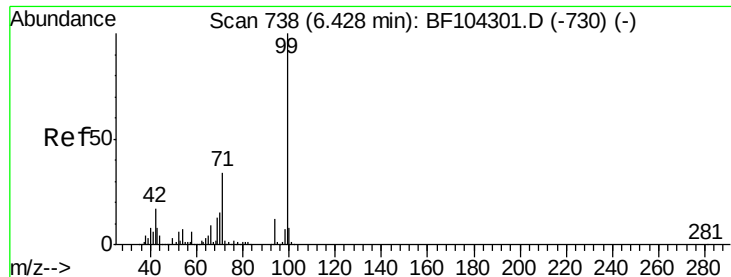


#5

2-Fluorophenol
Concen: 99.321 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104603.D
Acq: 18 Apr 2018 15:57

Tgt Ion:112 Resp: 808777
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 28.2 23.7 35.5





#7

Phenol-d6

Concen: 97.128 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

Instrument :

BNA_F

ClientSampleId :

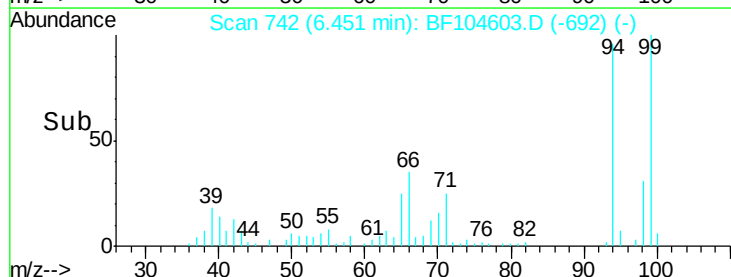
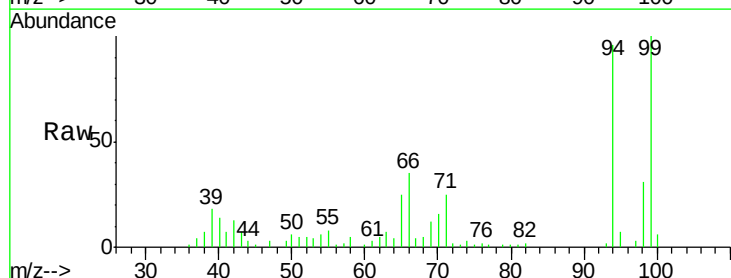
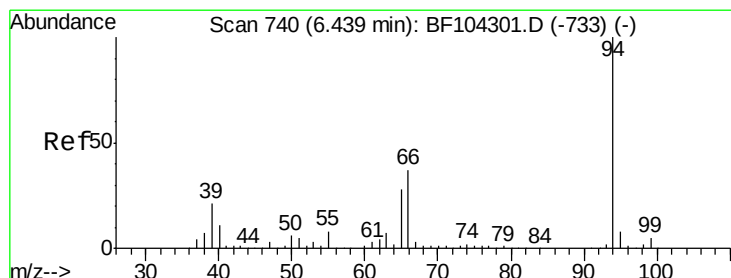
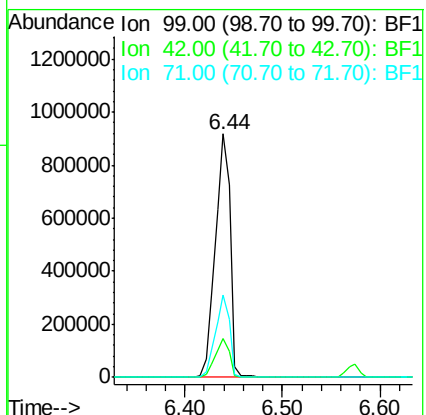
Tot Ion: 99 Resp: 971784

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 33.8 25.4 38.0



#10

Phenol

Concen: 2.012 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

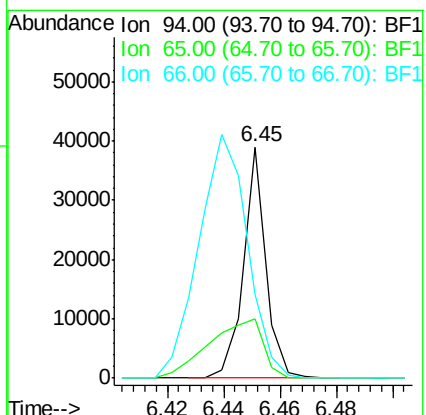
Tgt Ion: 94 Resp: 21362

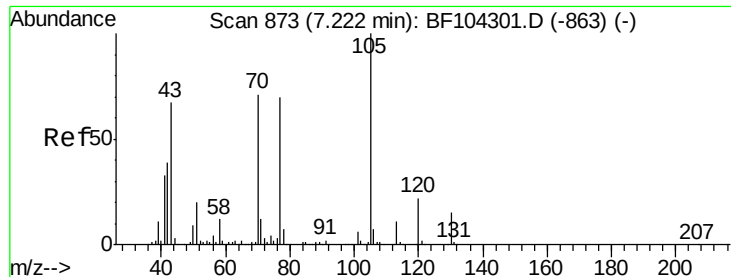
Ion Ratio Lower Upper

94 100

65 25.6 7.9 47.9

66 36.5 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.648 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 76152

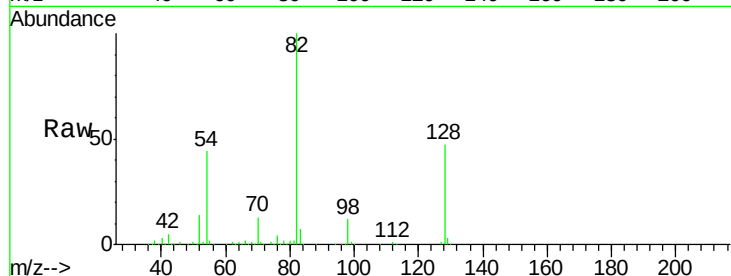
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

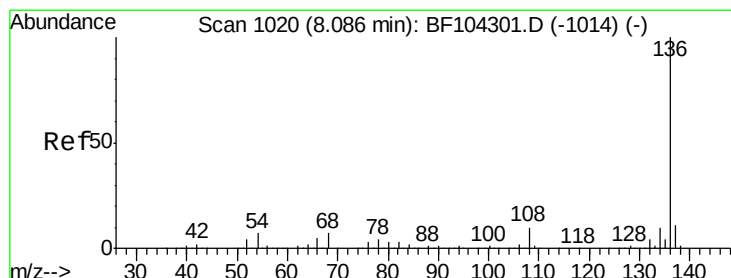
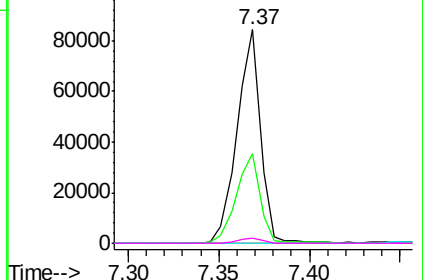
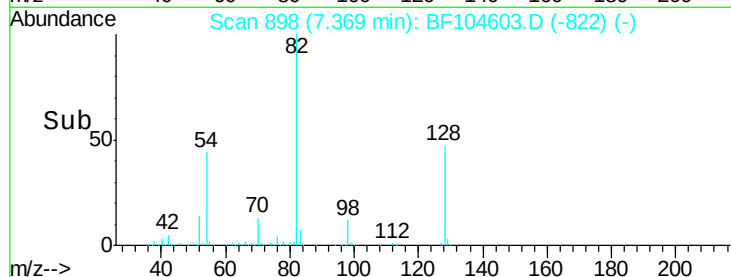


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

Tgt Ion: 136 Resp: 490933

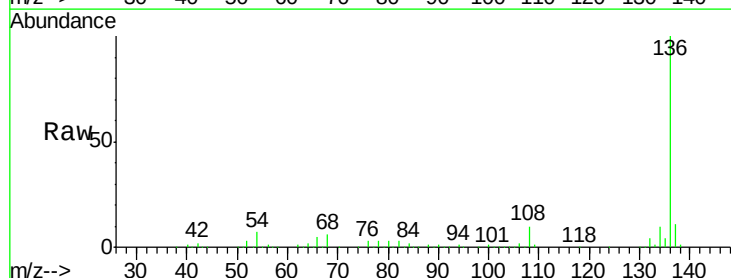
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

68 6.1 5.0 7.4

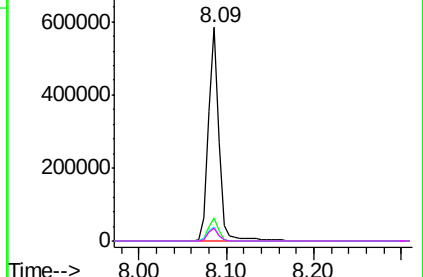
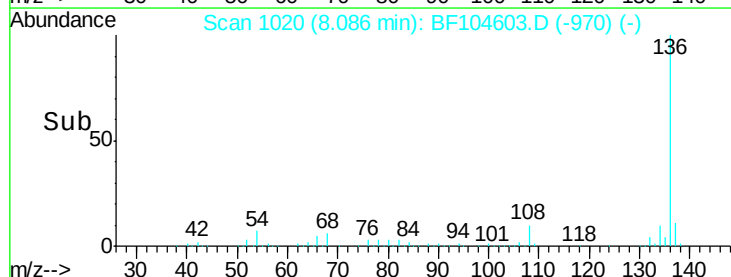


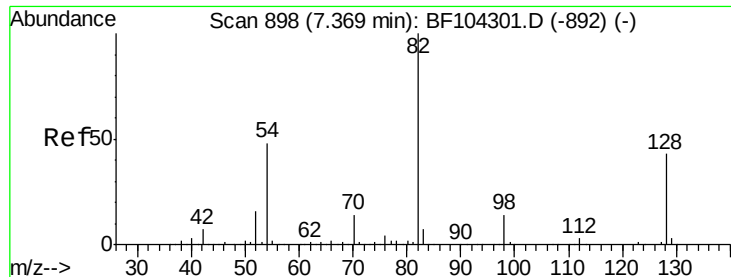
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

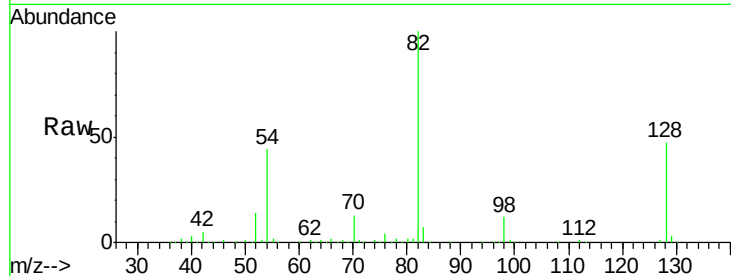




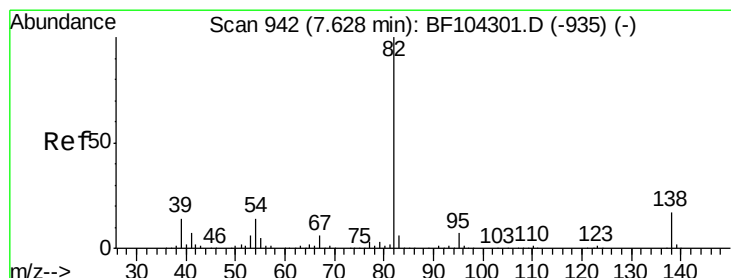
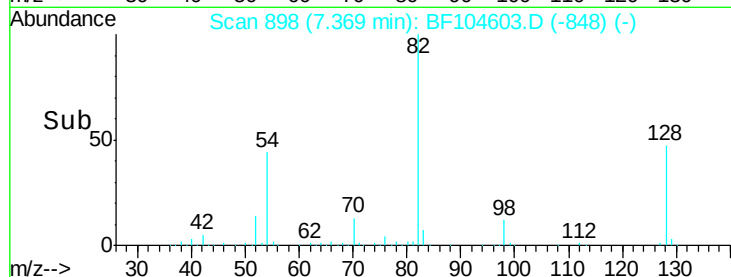
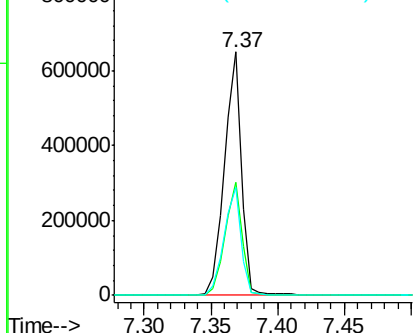
#23
Nitrobenzene-d5
Concen: 78.799 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104603.D
Acq: 18 Apr 2018 15:57

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 592438
Ion Ratio Lower Upper
82 100
128 46.6 36.1 54.1
54 44.1 41.4 62.2

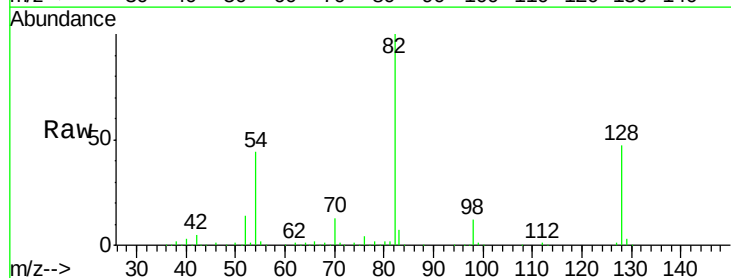


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

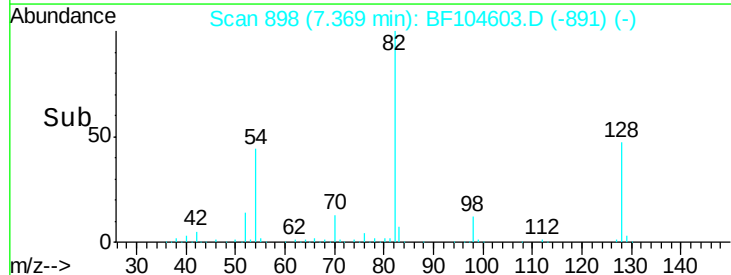
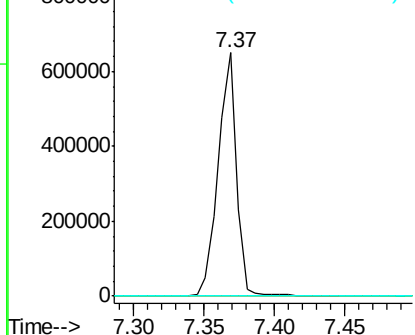


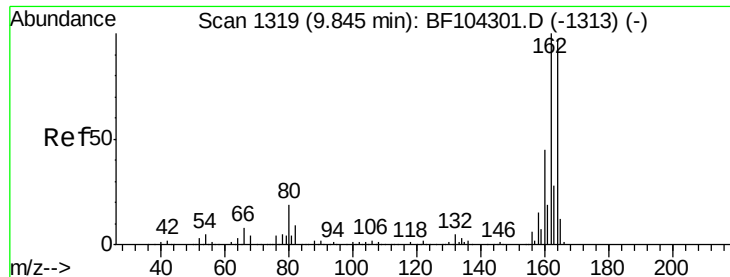
#25
Isophorone
Concen: 37.263 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104603.D
Acq: 18 Apr 2018 15:57

Tgt Ion: 82 Resp: 592433
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: BF104603.D

Acq: 18 Apr 2018 15:57

Instrument :

BNA_F

ClientSampleId :

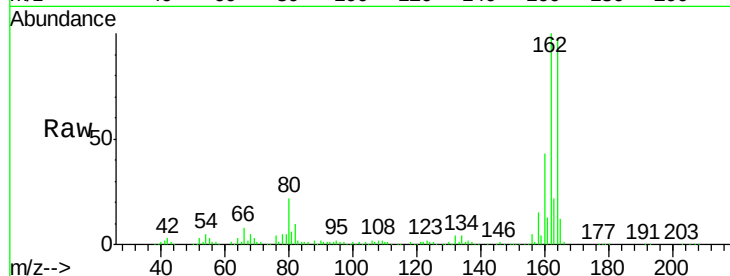
Tot Ion:164 Resp: 194000

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

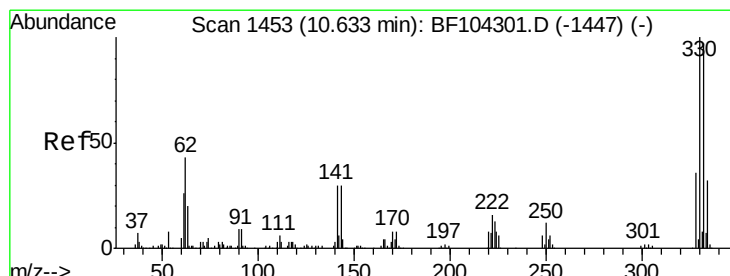
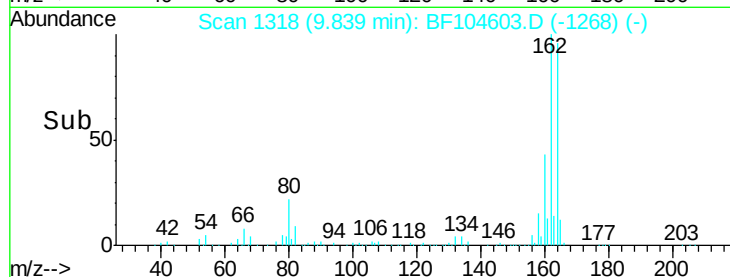
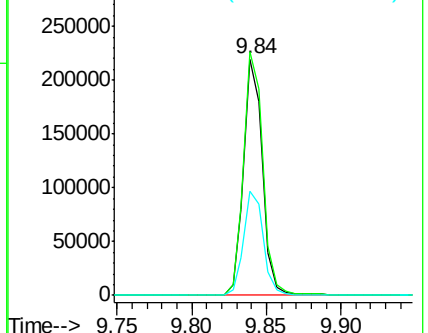
160 44.2 38.3 57.5



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: 91.344 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

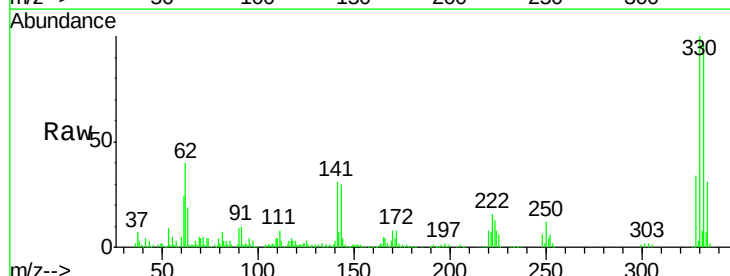
Tgt Ion:330 Resp: 183822

Ion Ratio Lower Upper

330 100

332 96.6 77.0 115.6

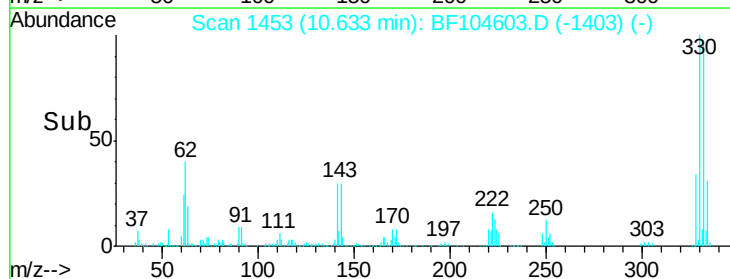
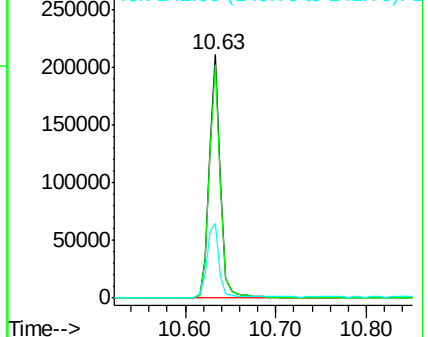
141 33.5 29.9 44.9

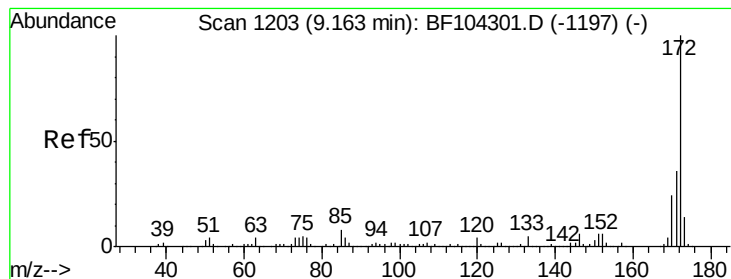


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 75.135 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

Instrument :

BNA_F

ClientSampled :

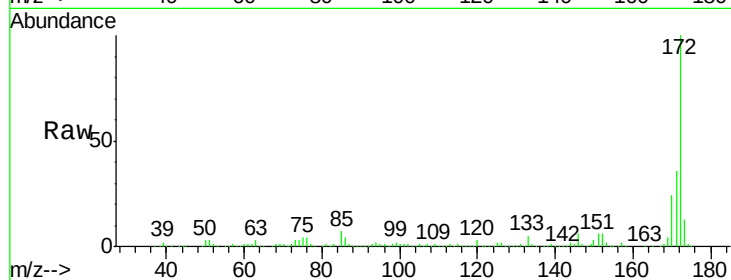
Tot Ion:172 Resp: 922683

Ion Ratio Lower Upper

172 100

171 36.1 29.7 44.5

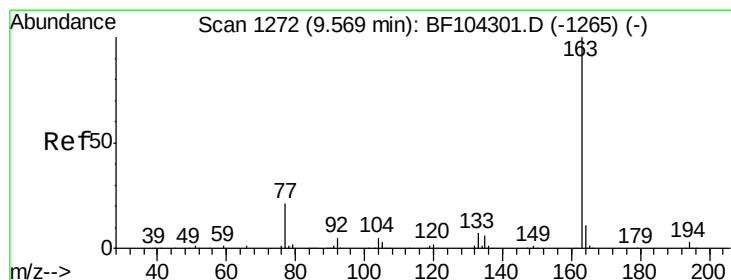
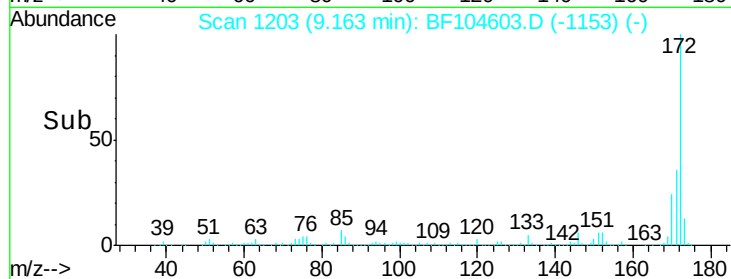
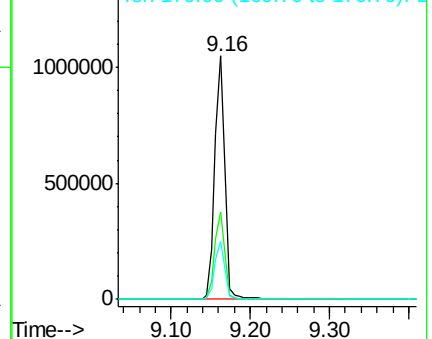
170 23.7 19.6 29.4



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: 6.039 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

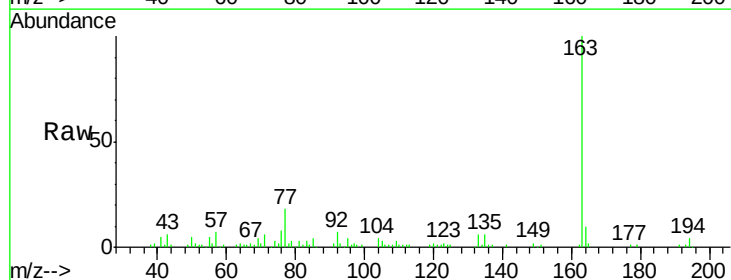
Tgt Ion:163 Resp: 92391

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

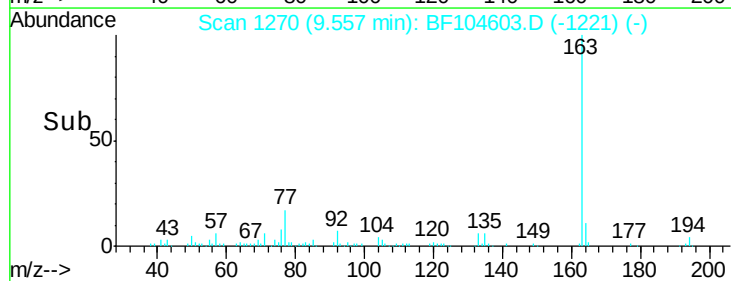
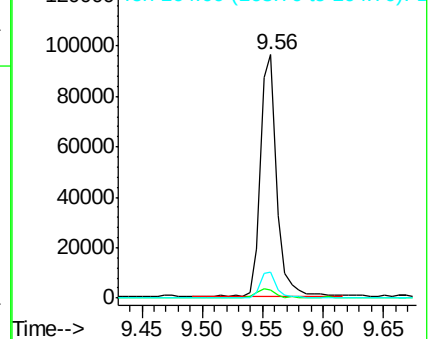
164 10.5 8.2 12.2

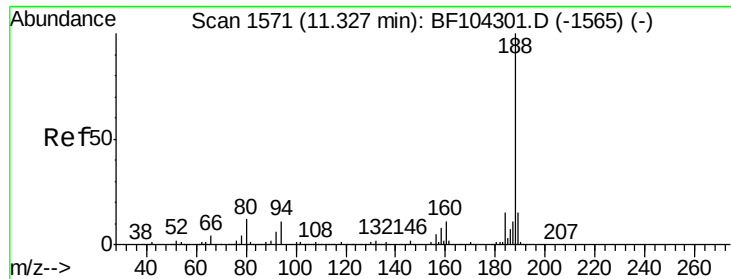


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

Instrument :

BNA_F

ClientSampleId :

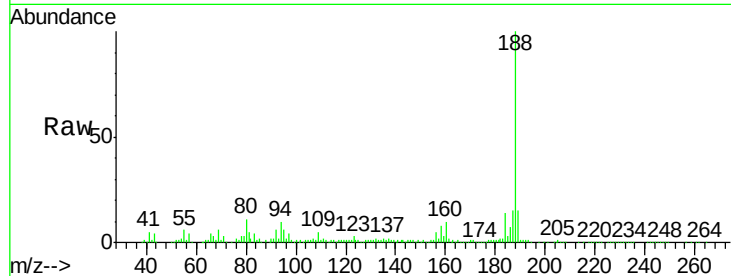
Tot Ion:188 Resp: 279617

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

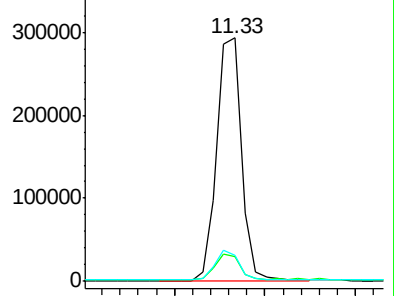
80 10.9 9.2 13.8



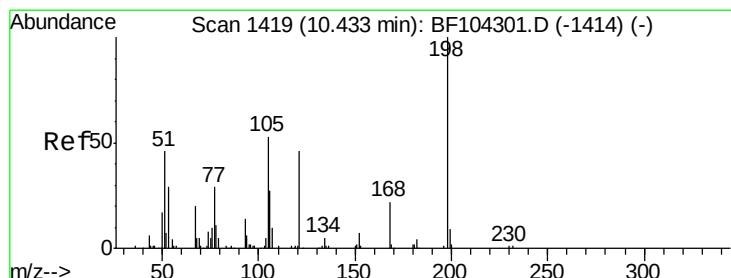
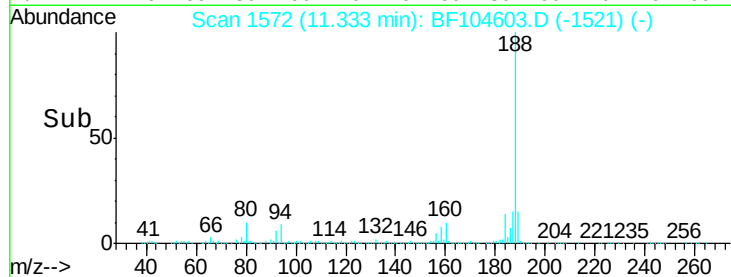
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 7.549 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

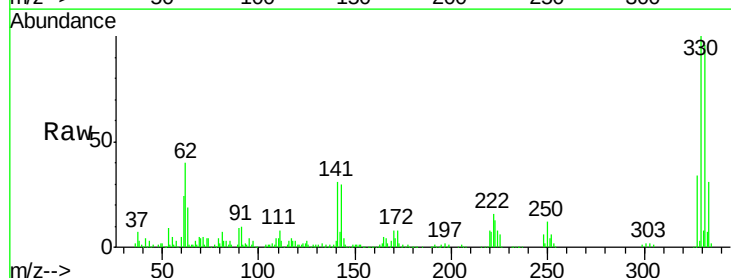
Tgt Ion:198 Resp: 324

Ion Ratio Lower Upper

198 100

51 159.3 37.7 77.7#

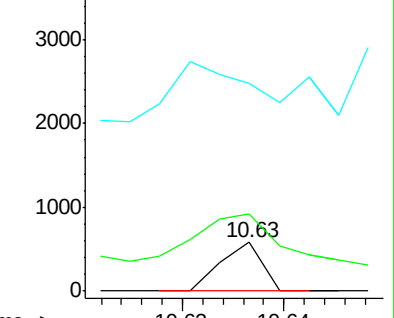
105 428.4 36.3 76.3#



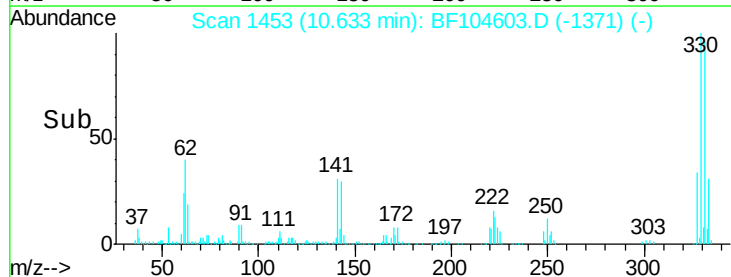
Abundance Ion 198.00 (197.70 to 198.70): E

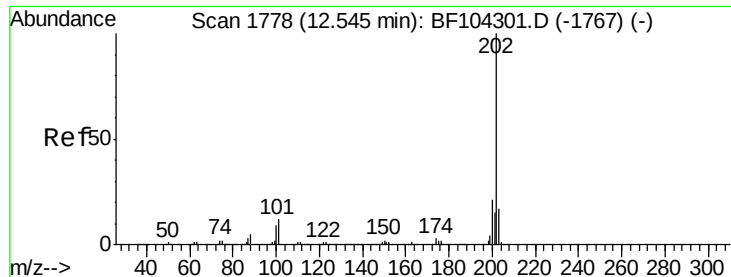
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->

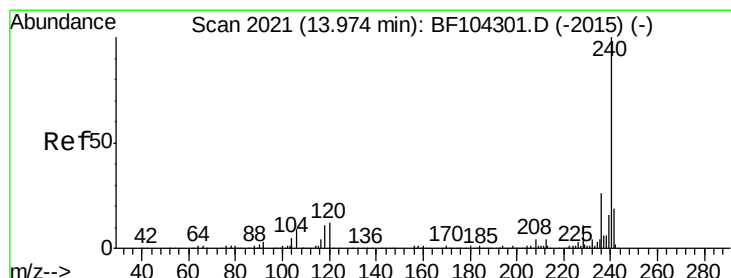
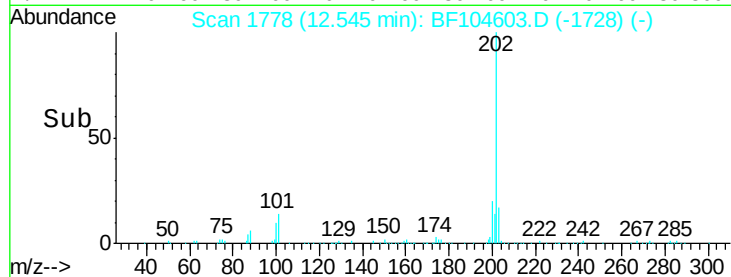
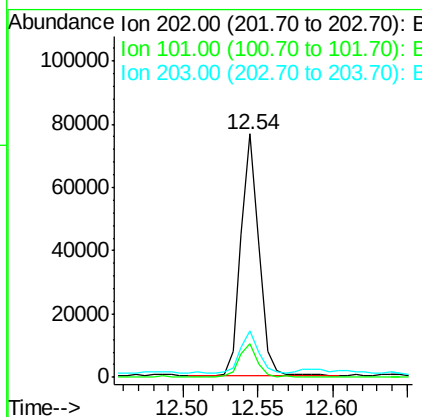
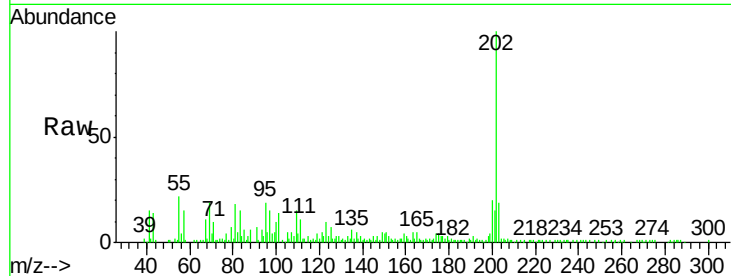




#74
 Fluoranthene
 Concen: 3.946 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104603.D
 Acq: 18 Apr 2018 15:57

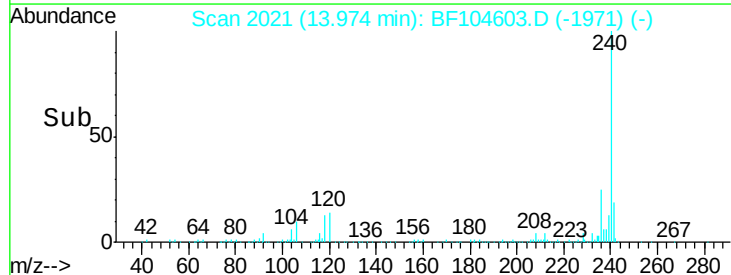
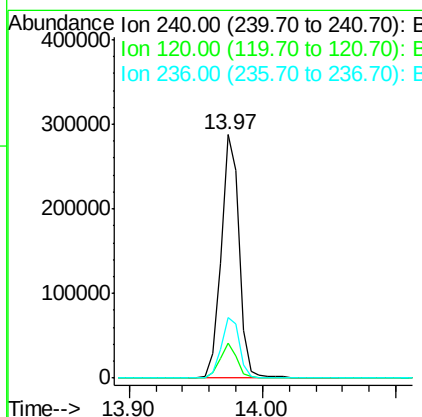
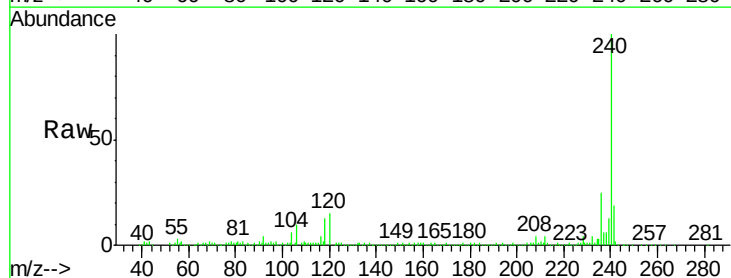
Instrument :
 BNA_F
 ClientSampleId :

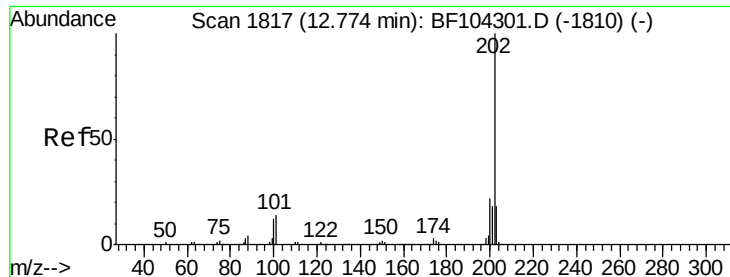
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.1
203	18.8	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104603.D
 Acq: 18 Apr 2018 15:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.6	9.5	14.3#
236	25.0	20.7	31.1





#77

Pvrene

Concen: 2.598 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

Instrument :

BNA_F

ClientSampleId :

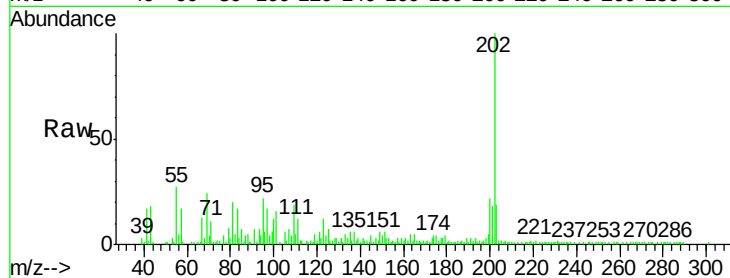
Tot Ion:202 Resp: 52910

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

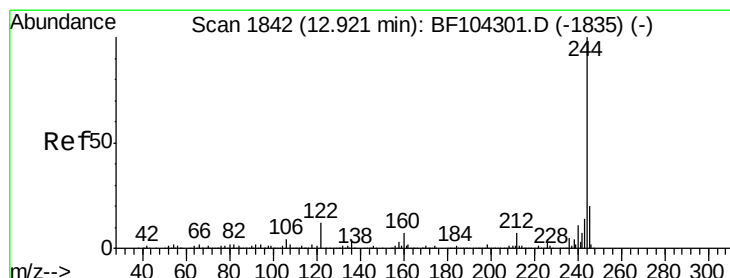
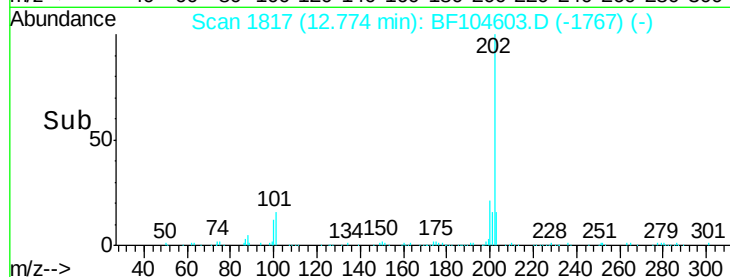
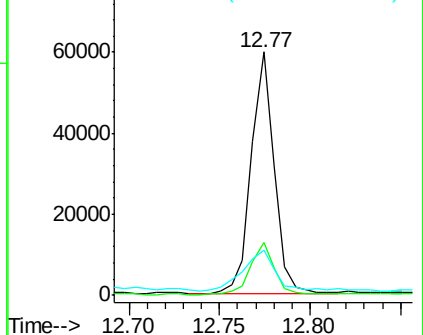
203 18.6 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.820 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104603.D

Acq: 18 Apr 2018 15:57

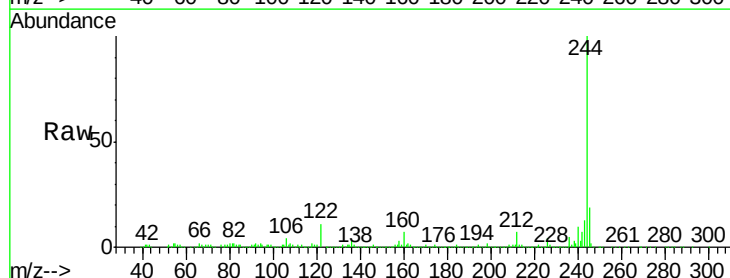
Tgt Ion:244 Resp: 696866

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

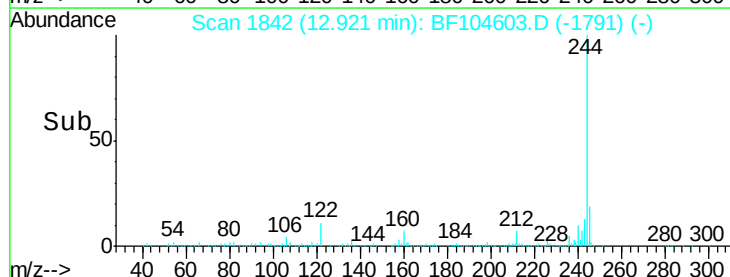
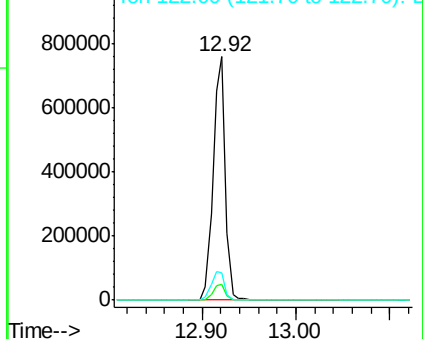
122 11.4 11.0 16.4

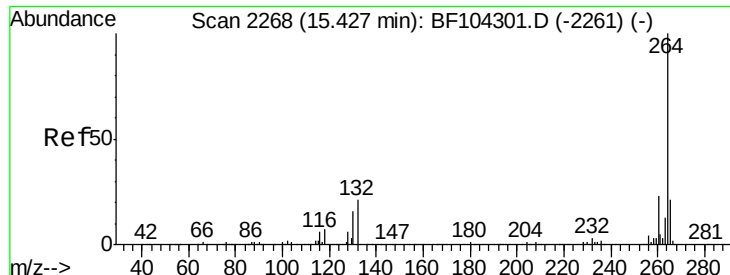


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



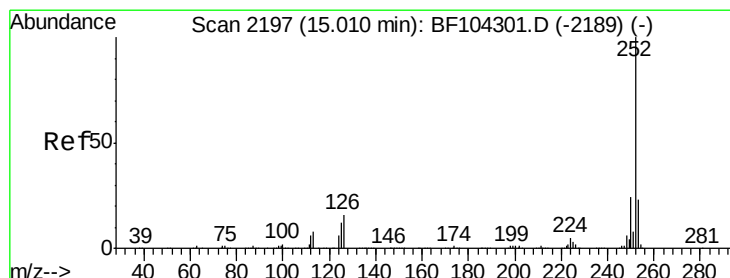
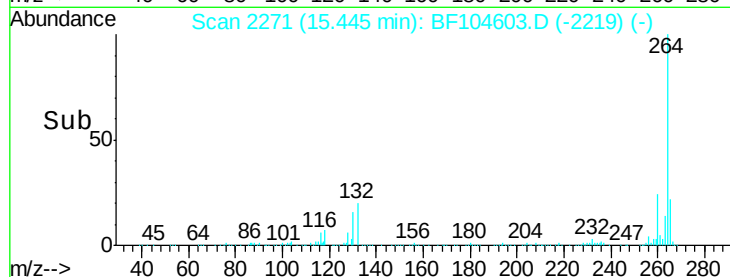
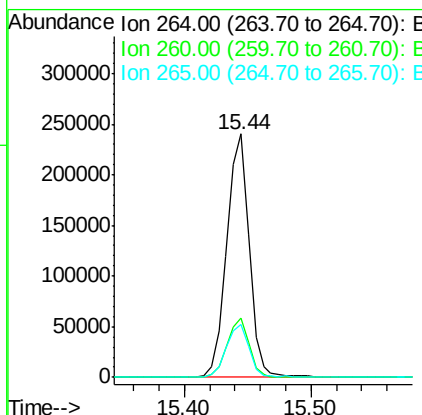
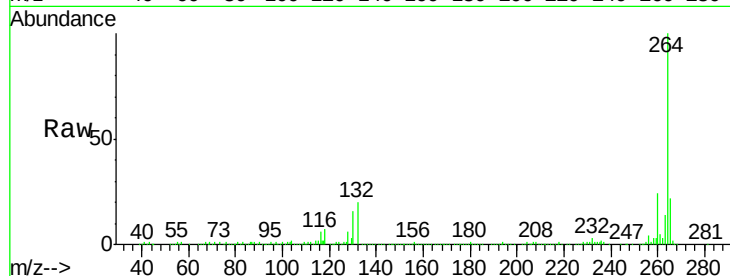


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF104603.D
Acq: 18 Apr 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 294771

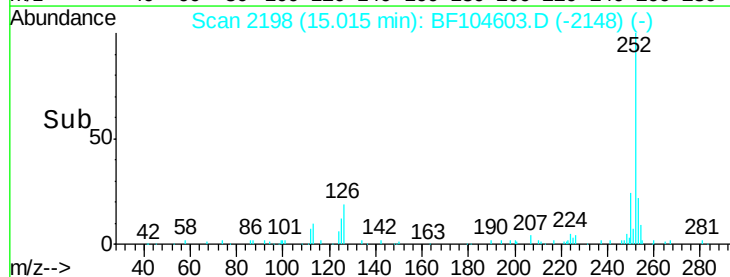
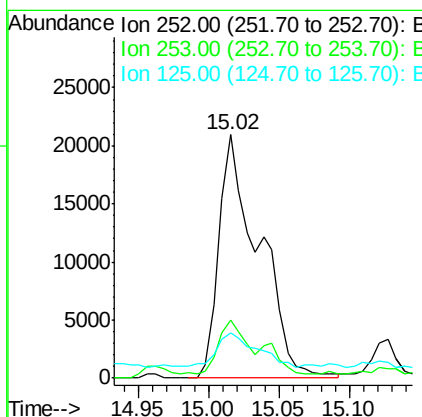
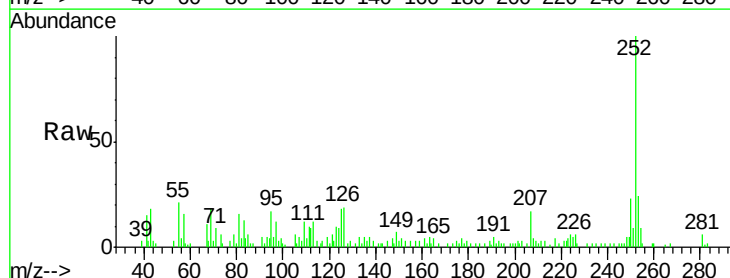
Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.8	17.5	26.3

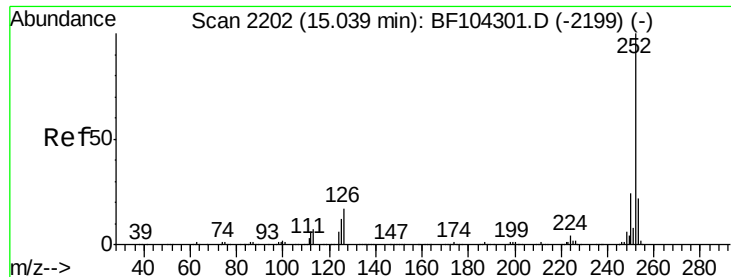


#87
Benzo(b)fluoranthene
Concen: 2.239 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BF104603.D
Acq: 18 Apr 2018 15:57

Tgt Ion:252 Resp: 41684

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	18.4	9.0	13.6





#88
 Benzo(k)fluoranthene
 Concen: 2.372 ng
 RT: 15.02 min Scan# 2198
 Delta R.T. -0.04 min
 Lab File: BF104603.D
 Acq: 18 Apr 2018 15:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	18.4	10.2	15.2

