

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104597.D
 Acq On : 18 Apr 2018 13:18
 Operator : JU/SJ
 Sample : J2424-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 18 14:56:40 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

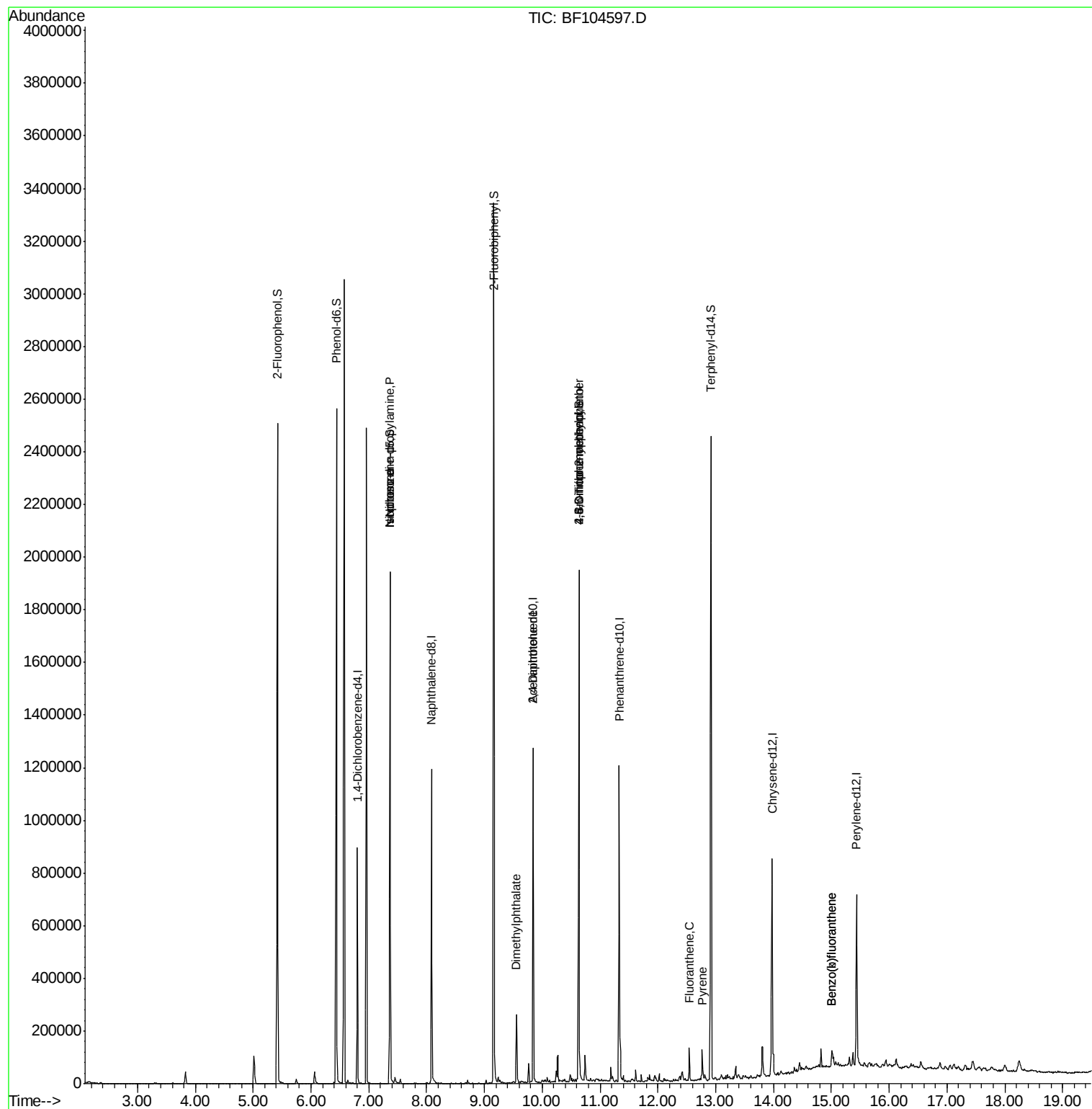
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	131706	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	534352	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	239696	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	406337	20.00	ng	0.00
75) Chrysene-d12	13.97	240	269290	20.00	ng	0.00
86) Perylene-d12	15.44	264	289360	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	829865	96.34	ng	0.00
7) Phenol-d6	6.44	99	1026612	97.00	ng	0.00
23) Nitrobenzene-d5	7.37	82	638058	77.97	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	251588	101.18	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1016932	67.02	ng	0.00
78) Terphenyl-d14	12.92	244	834470	70.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	81948	11.850	ng	# 72
25) Isophorone	7.37	82	638053	36.872	ng	# 64
49) Dimethylphthalate	9.56	163	114294	6.047	ng	100
56) 2,4-Dinitrotoluene	9.84	165	30062	6.553	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	363	7.502	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15261	3.531	ng	# 1
74) Fluoranthene	12.55	202	51093	2.161	ng	95
76) Benzydine	12.92	184	10712	Below Cal		95
77) Pyrene	12.77	202	50118	2.511	ng	95
87) Benzo(b)fluoranthene	15.01	252	40938	2.240	ng	# 92
88) Benzo(k)fluoranthene	15.01	252	40938	2.373	ng	# 94

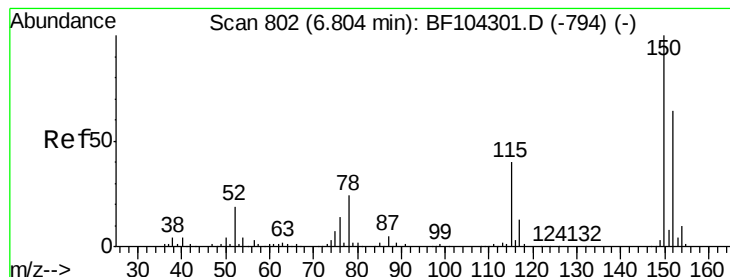
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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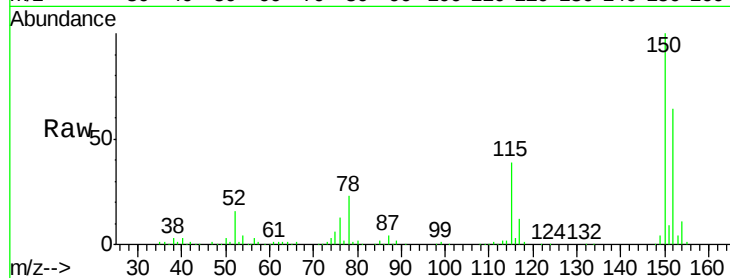


#1

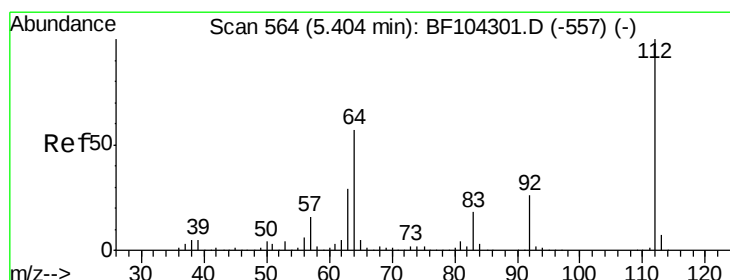
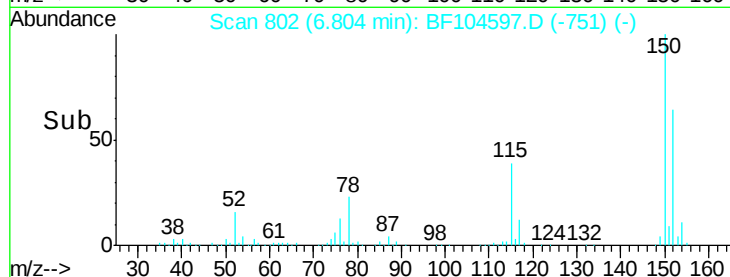
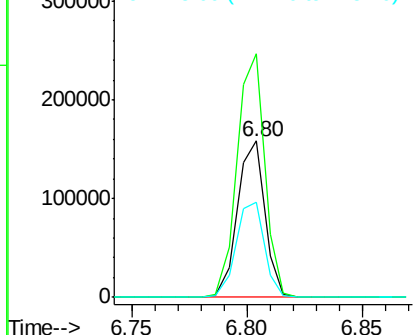
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 131706
Ion Ratio Lower Upper
152 100
150 156.0 124.6 186.8
115 61.1 50.1 75.1



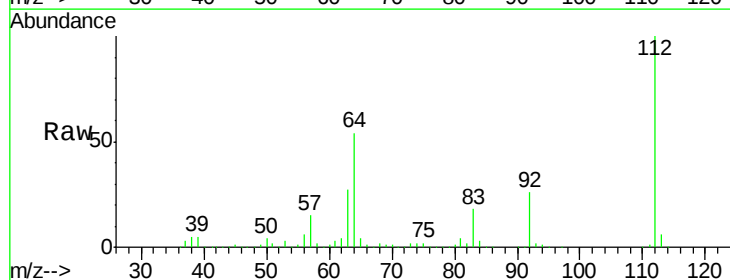
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



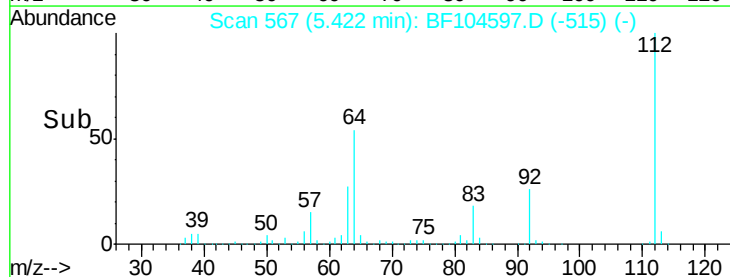
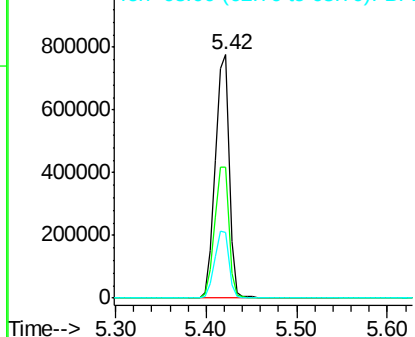
#5

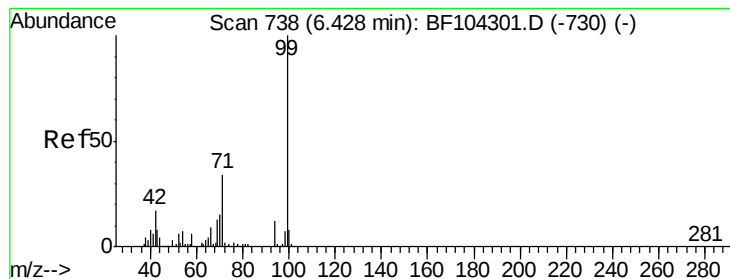
2-Fluorophenol
Concen: 96.344 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Tgt Ion:112 Resp: 829865
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 27.2 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: 97.003 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

Instrument :

BNA_F

ClientSampleId :

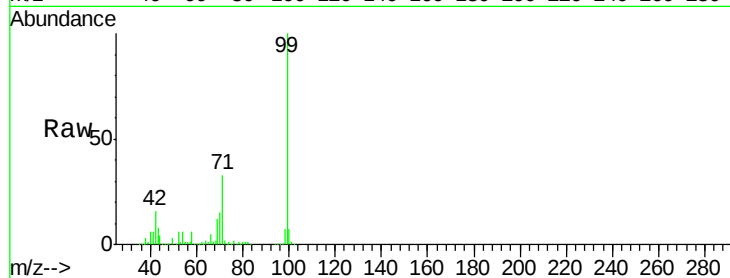
Tot Ion: 99 Resp: 1026612

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

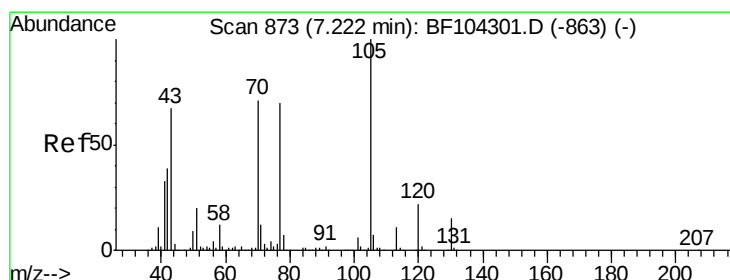
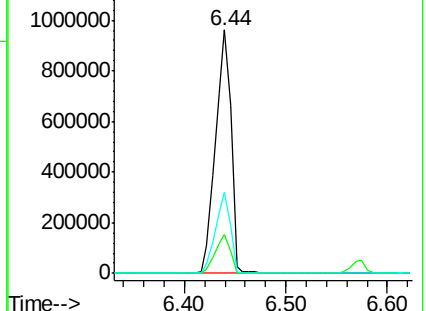
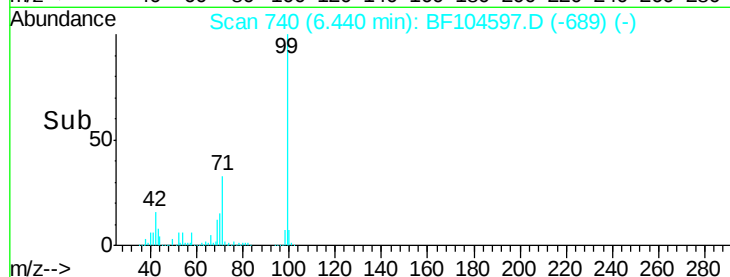
71 33.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.850 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

Tgt Ion: 70 Resp: 81948

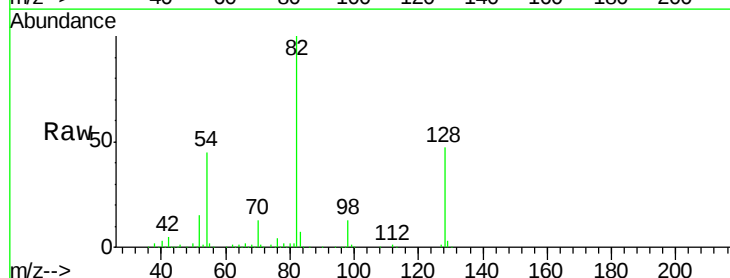
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

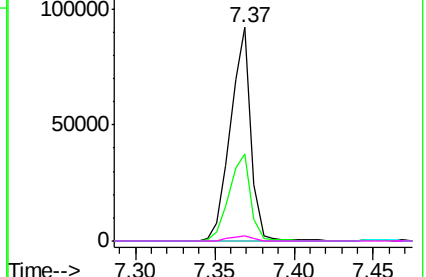
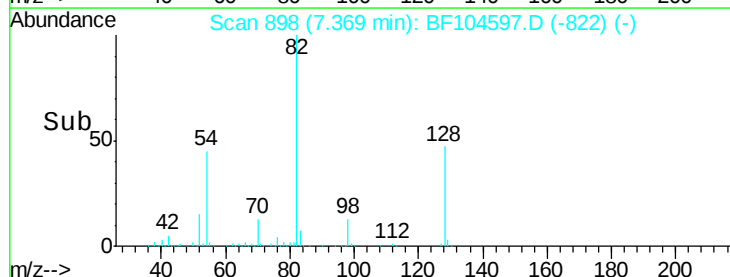


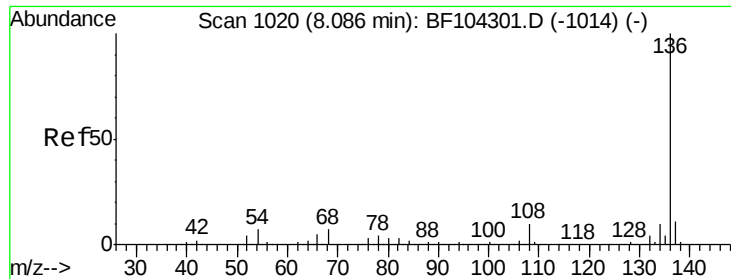
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

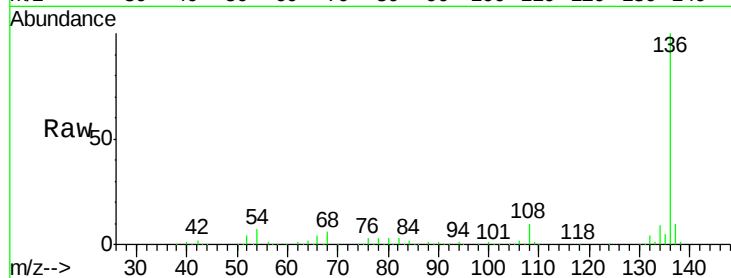




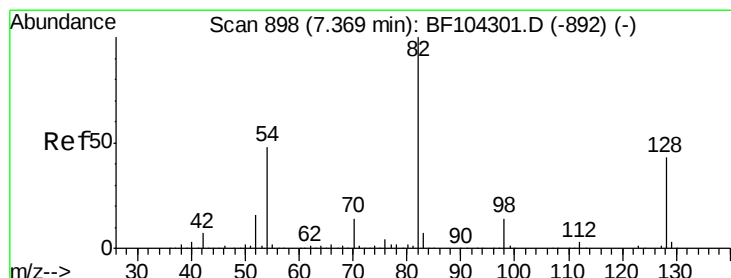
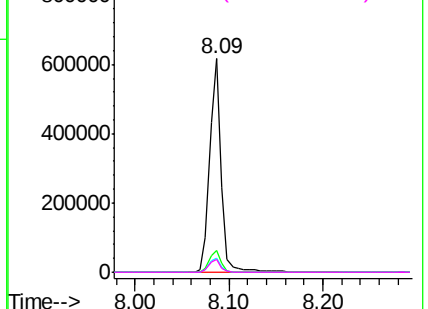
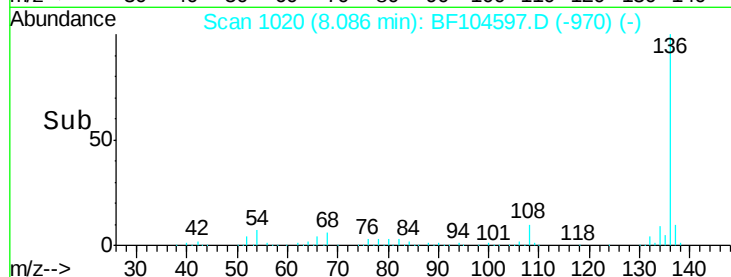
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	534352
Ion Ratio	Lower	Upper
136	100	
137	10.4	8.9 13.3
54	6.6	6.6 9.8
68	5.8	5.0 7.4

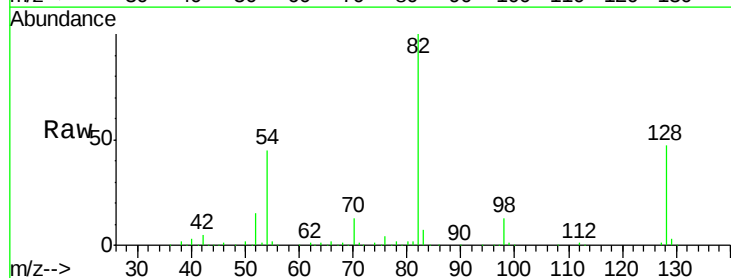


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

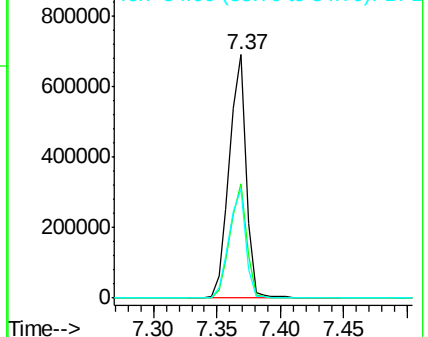
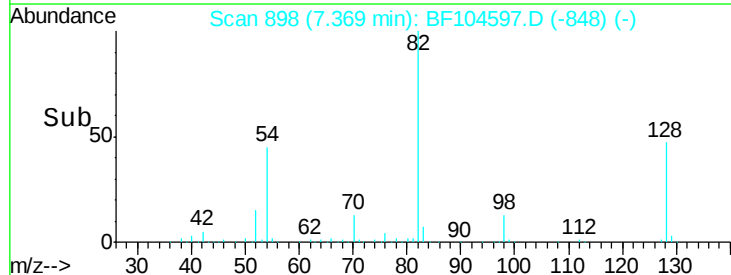


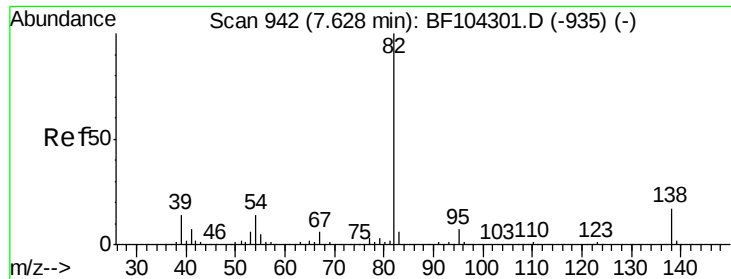
#23
Nitrobenzene-d5
Concen: 77.971 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Tgt Ion: 82	Resp:	638058
Ion Ratio	Lower	Upper
82	100	
128	46.8	36.1 54.1
54	44.7	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

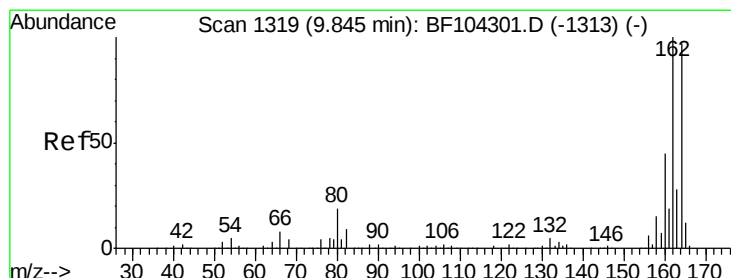
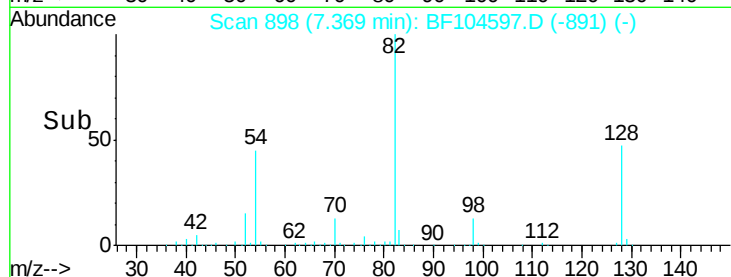
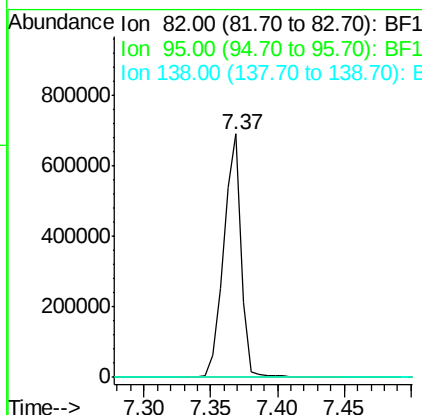
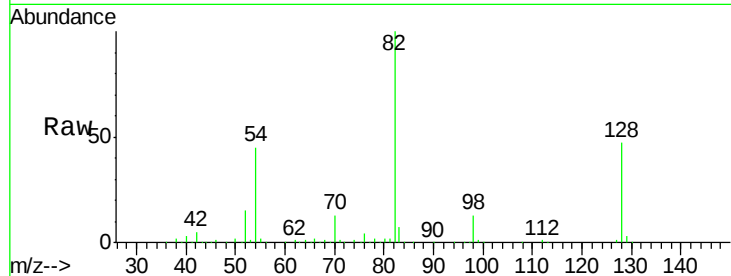




#25
Isophorone
Concen: 36.872 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

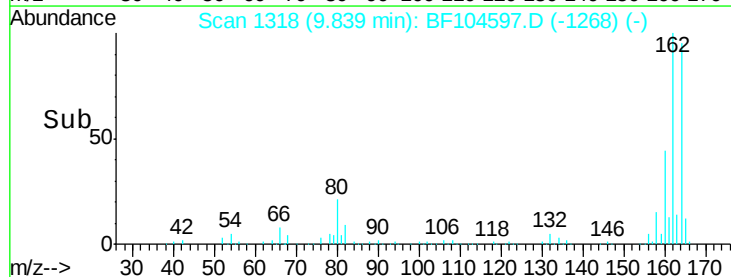
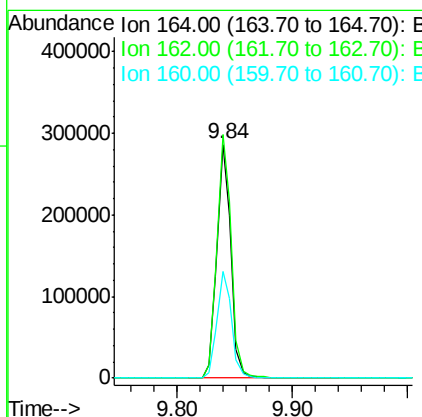
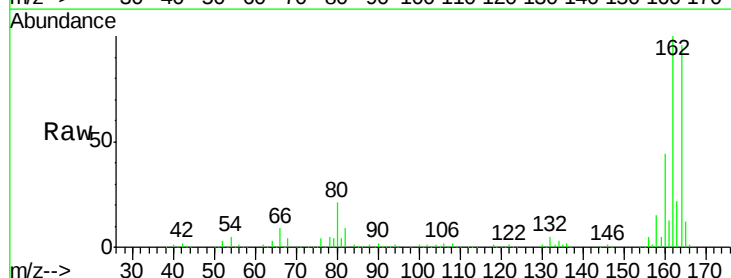
Instrument :
BNA_F
ClientSampled :

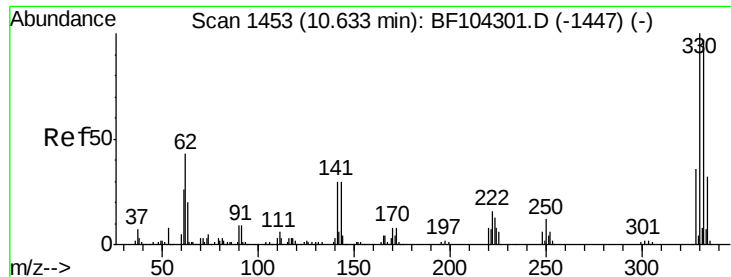
Tot Ion: 82 Resp: 638053
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Tgt Ion: 164 Resp: 239696
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 45.5 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 101.184 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

Instrument :

BNA_F

ClientSampleId :

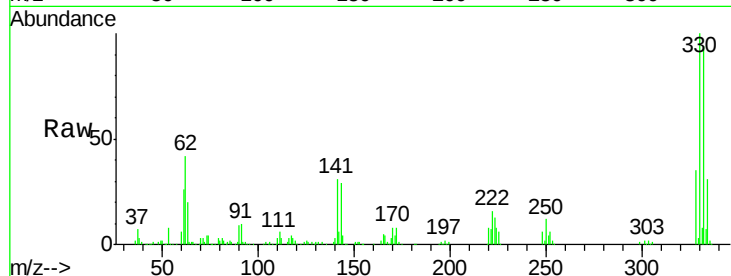
Tot Ion:330 Resp: 251588

Ion Ratio Lower Upper

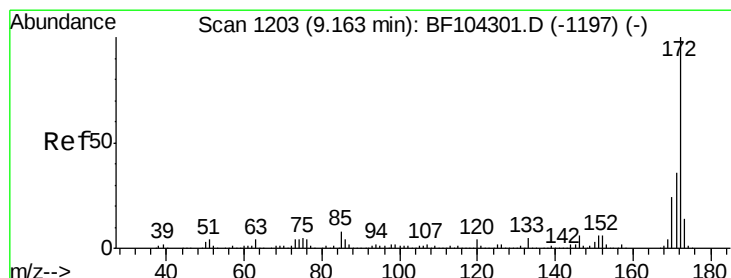
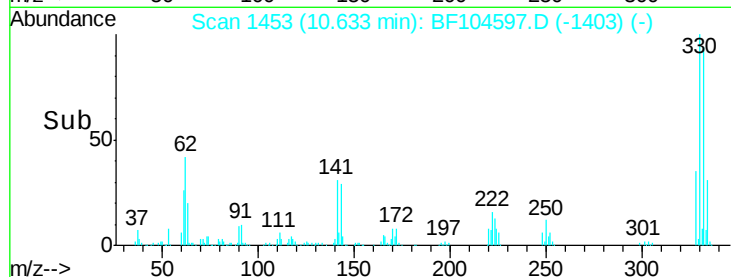
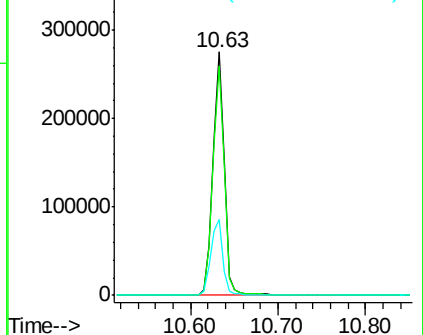
330 100

332 95.4 77.0 115.6

141 33.0 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: 67.022 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

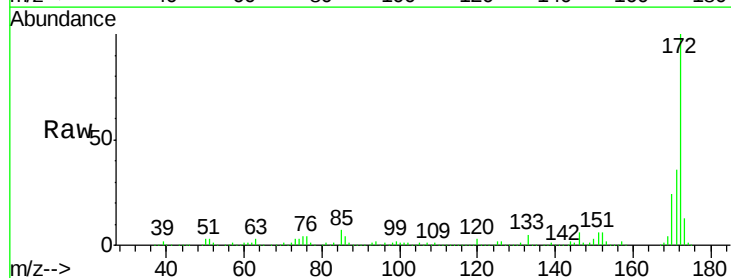
Tgt Ion:172 Resp: 1016932

Ion Ratio Lower Upper

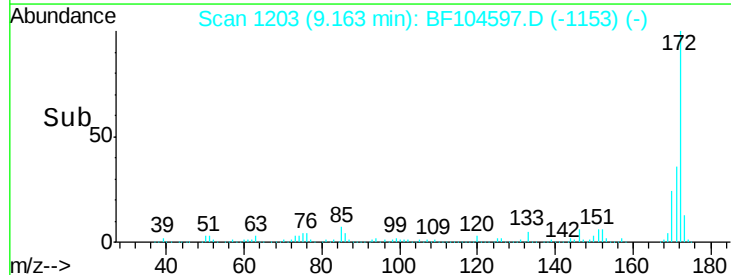
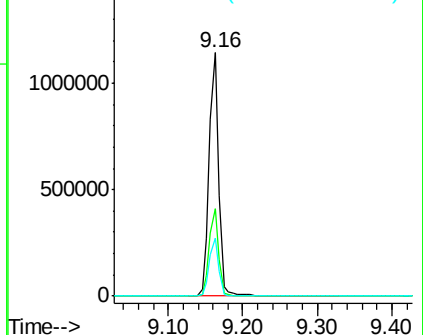
172 100

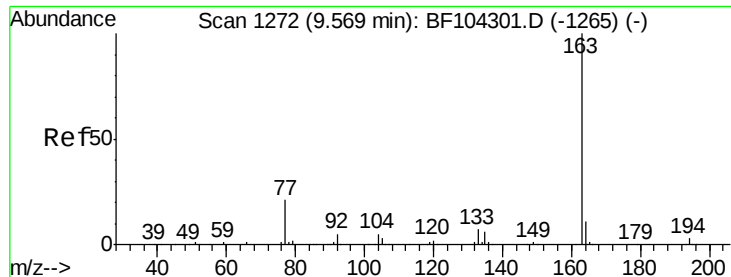
171 36.0 29.7 44.5

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

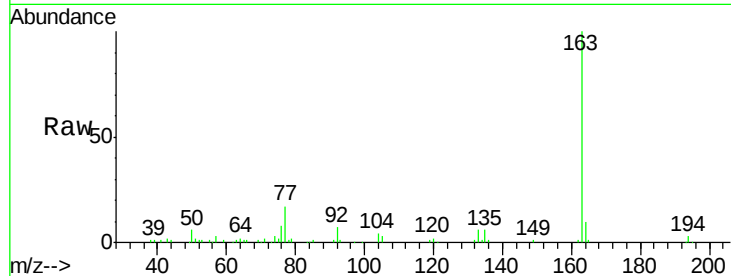




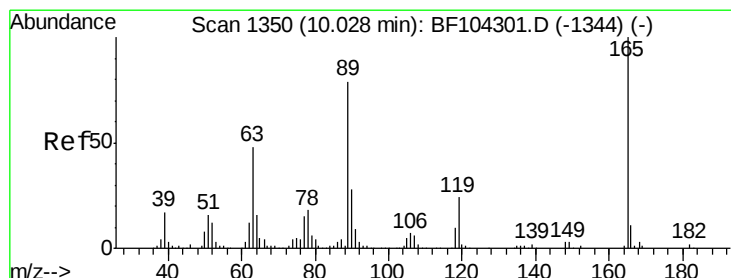
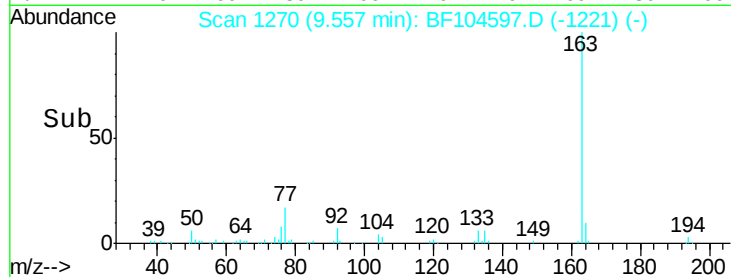
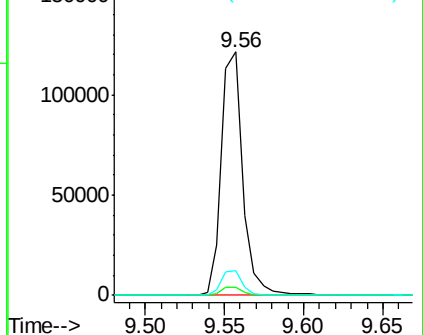
#49
Dimethylphthalate
Concen: 6.047 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 114294
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.0 8.2 12.2

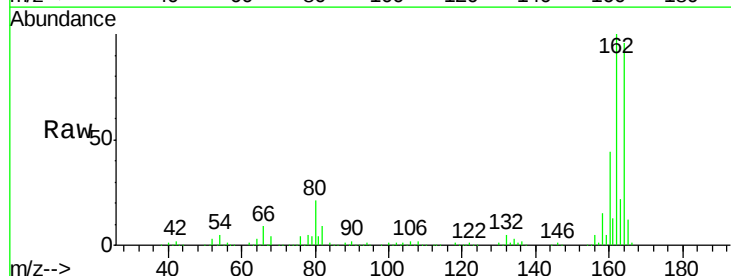


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

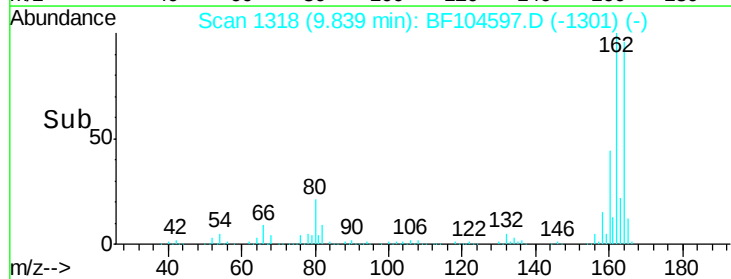
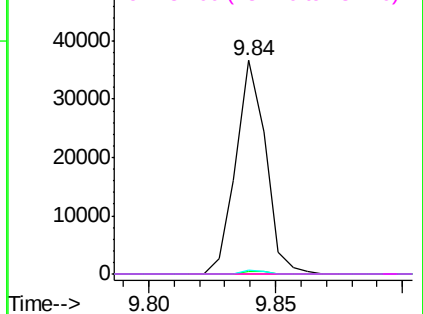


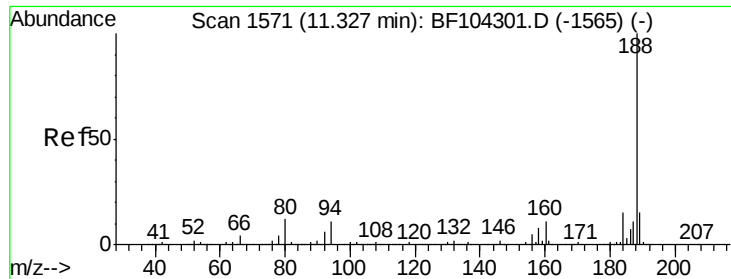
#56
2,4-Dinitrotoluene
Concen: 6.553 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.20 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Tgt Ion:165 Resp: 30062
Ion Ratio Lower Upper
165 100
63 1.1 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

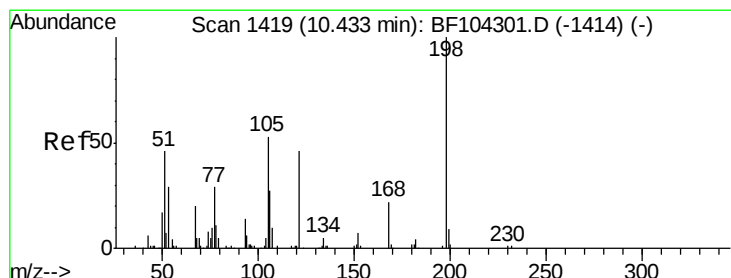
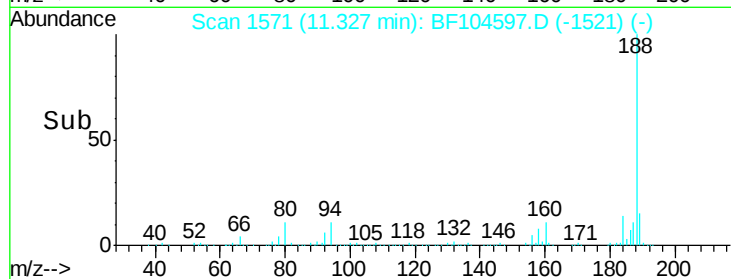
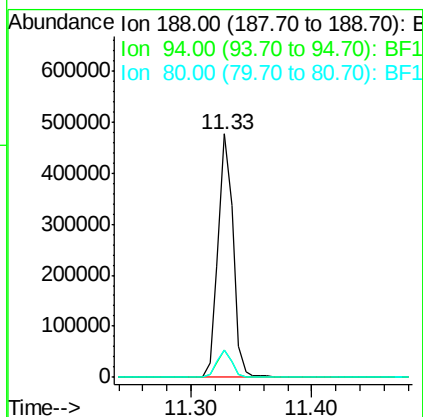
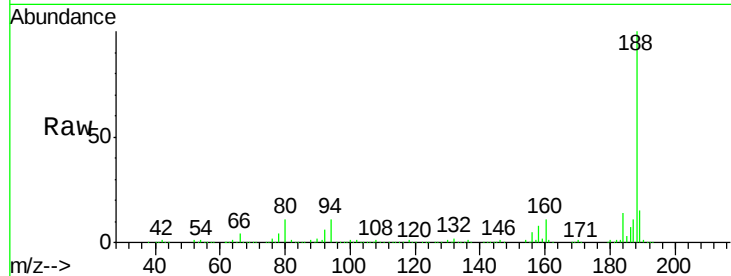




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

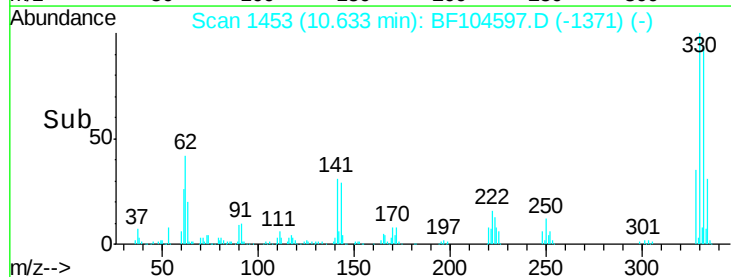
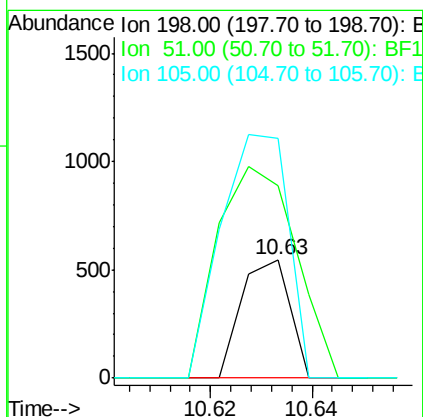
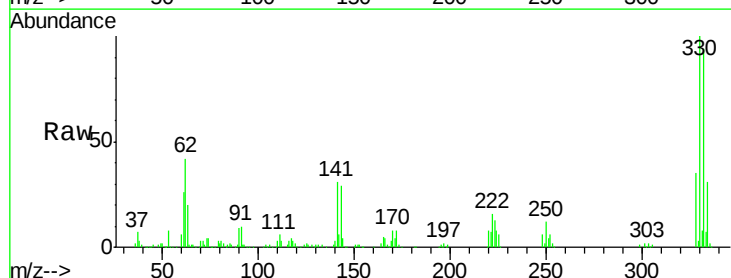
Instrument :
BNA_F
ClientSampleId :

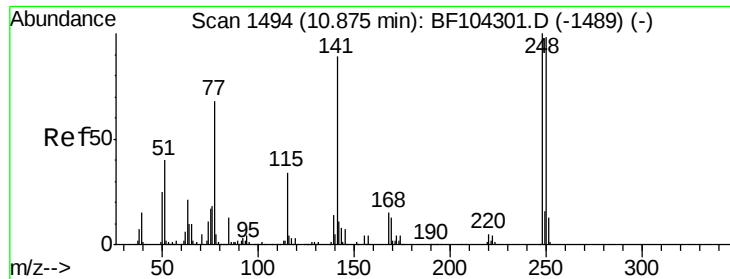
Tot Ion:188 Resp: 406337
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.502 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Tgt Ion:198 Resp: 363
Ion Ratio Lower Upper
198 100
51 162.9 37.7 77.7#
105 202.6 36.3 76.3#

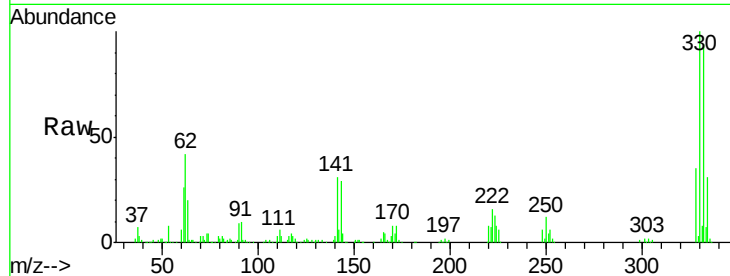




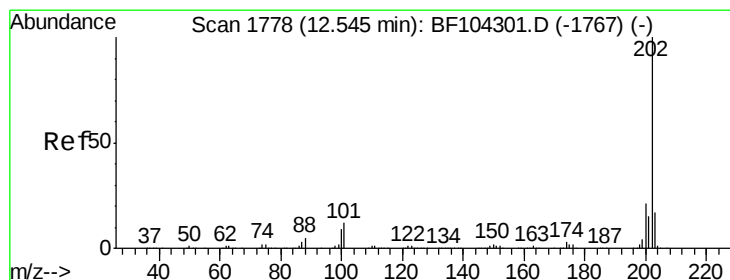
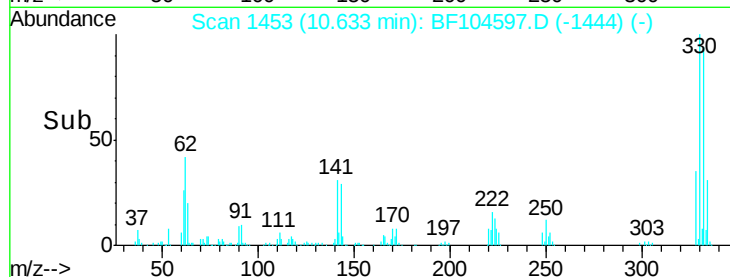
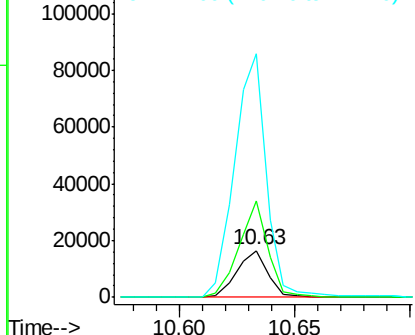
#66
4-Bromophenyl-phenylether
Concen: 3.531 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15261
Ion Ratio Lower Upper
248 100
250 205.2 76.9 115.3#
141 519.5 74.4 111.6#

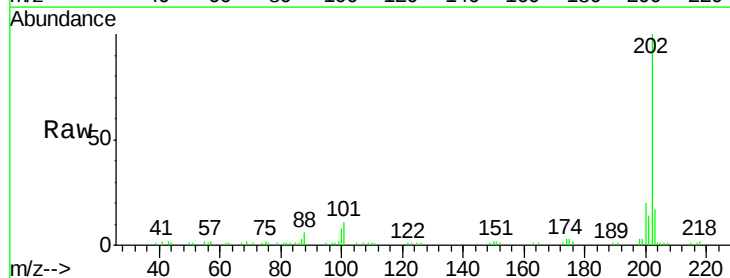


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

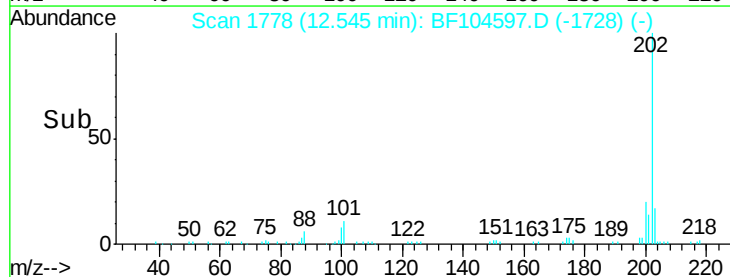
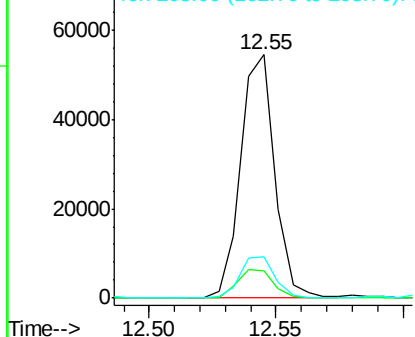


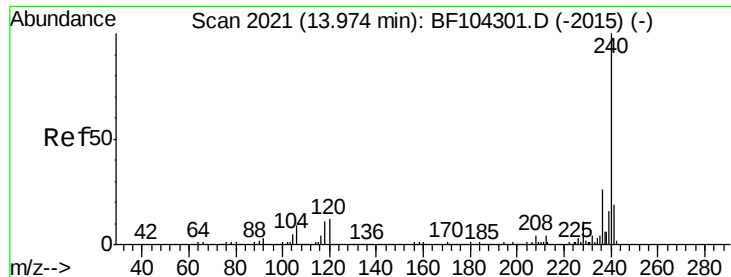
#74
Fluoranthene
Concen: 2.161 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104597.D
Acq: 18 Apr 2018 13:18

Tgt Ion:202 Resp: 51093
Ion Ratio Lower Upper
202 100
101 11.2 0.0 34.1
203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

Instrument :

BNA_F

ClientSampleId :

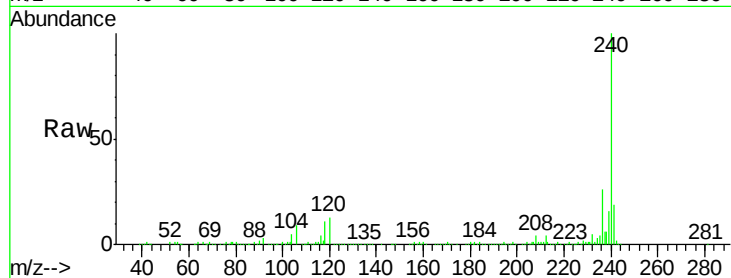
Tot Ion:240 Resp: 269290

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

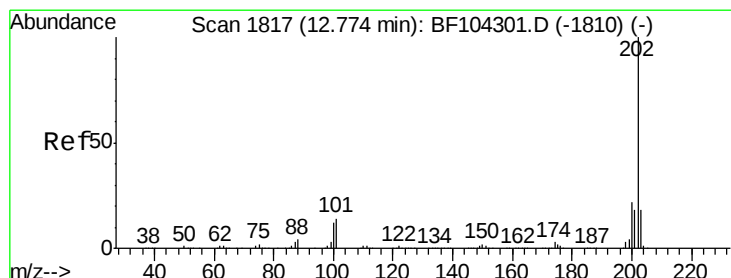
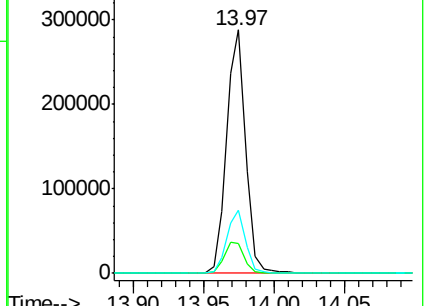
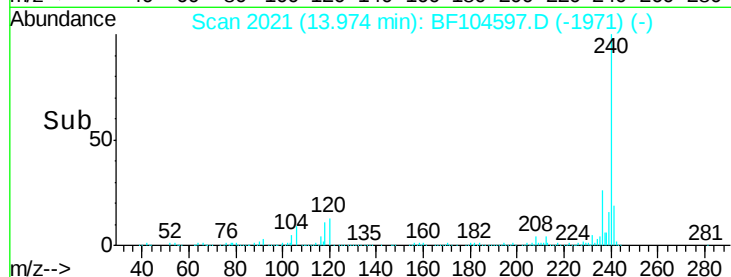
236 26.0 20.7 31.1



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



#77

Pyrene

Concen: 2.511 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

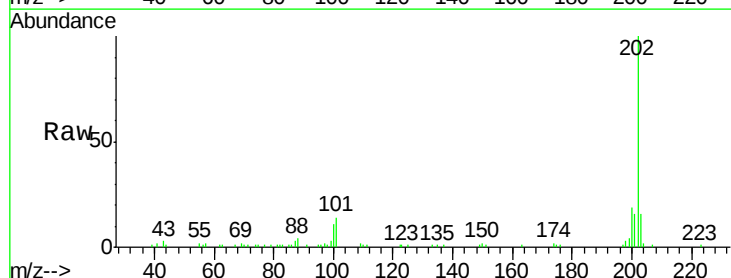
Tgt Ion:202 Resp: 50118

Ion Ratio Lower Upper

202 100

200 19.1 17.4 26.2

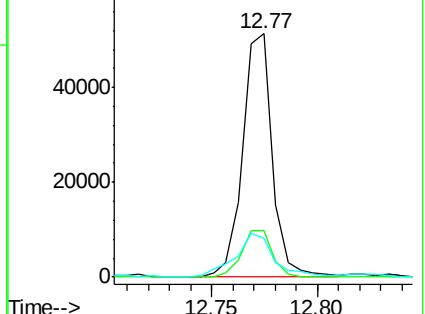
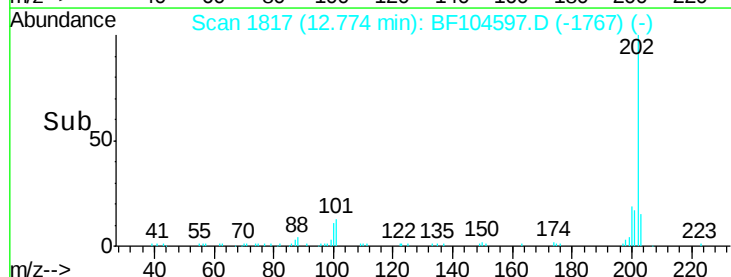
203 16.2 14.3 21.5

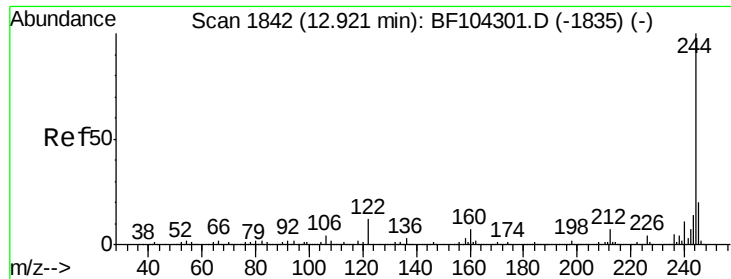


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

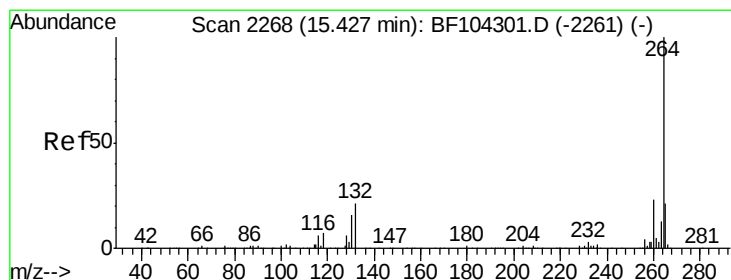
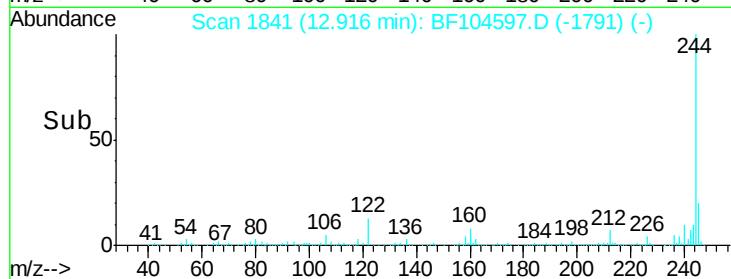
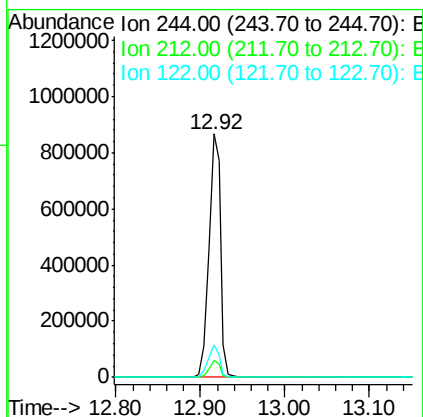
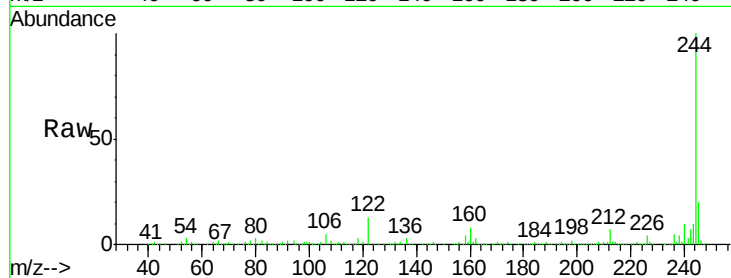




#78
 Terphenyl-d14
 Concen: 70.647 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104597.D
 Acq: 18 Apr 2018 13:18

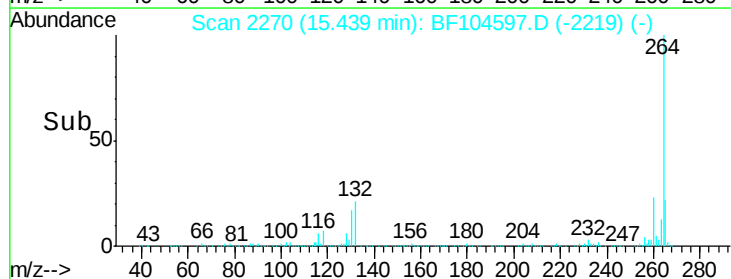
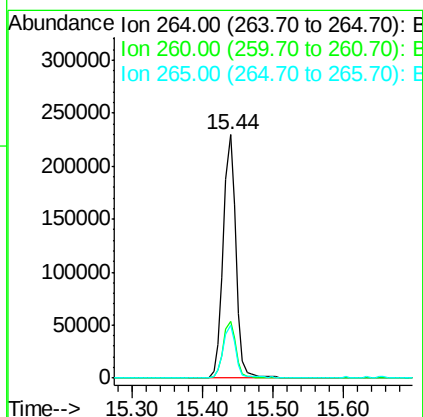
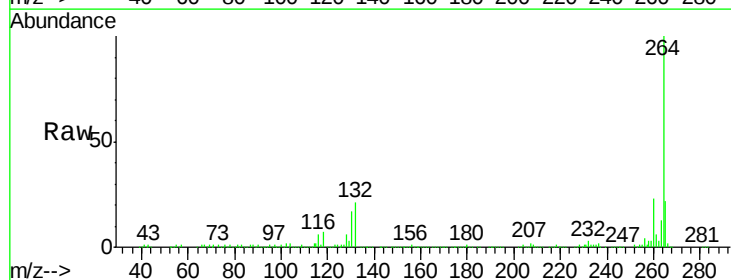
Instrument :
 BNA_F
 ClientSampleId :

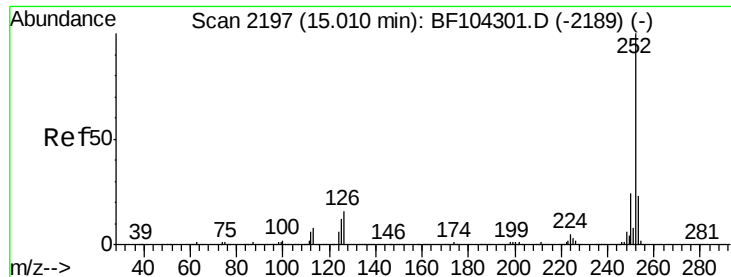
Tot Ion:244 Resp: 834470
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.5 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF104597.D
 Acq: 18 Apr 2018 13:18

Tgt Ion:264 Resp: 289360
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 21.8 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 2.240 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

Instrument :

BNA_F

ClientSampleId :

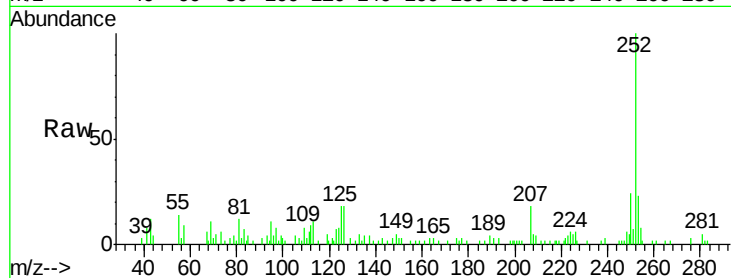
Tot Ion:252 Resp: 40938

Ion Ratio Lower Upper

252 100

253 23.3 17.0 25.6

125 17.6 9.0 13.6#

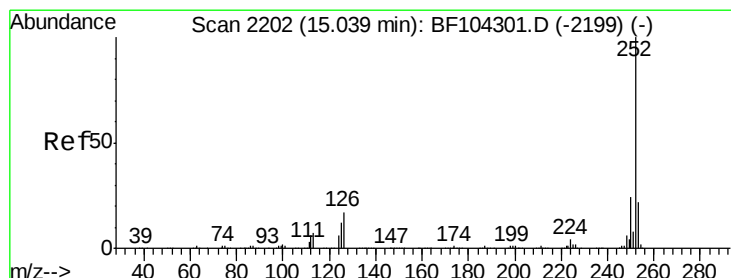
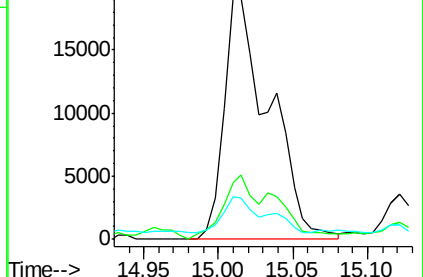
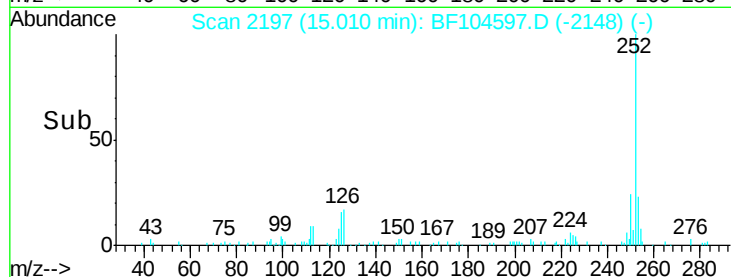


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#88

Benzo(k)fluoranthene

Concen: 2.373 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF104597.D

Acq: 18 Apr 2018 13:18

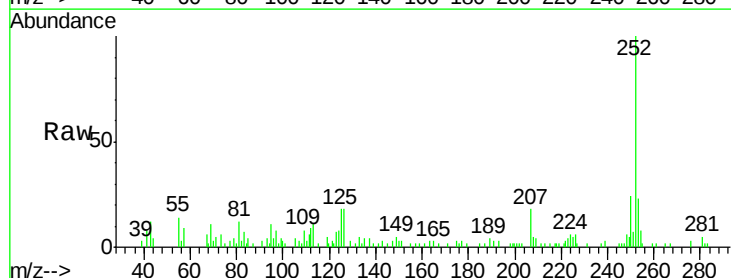
Tgt Ion:252 Resp: 40938

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

125 17.6 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->

