

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104601.D
 Acq On : 18 Apr 2018 15:04
 Operator : JU/SJ
 Sample : J2423-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

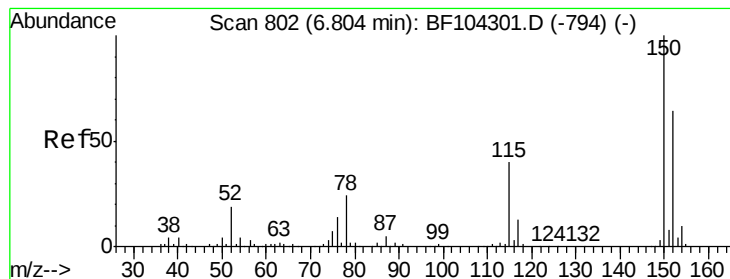
Quant Time: Apr 18 16:21:53 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	130529	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	492230	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	194044	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	280620	20.00	ng	0.00
75) Chrysene-d12	13.97	240	272209	20.00	ng	0.00
86) Perylene-d12	15.44	264	307801	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	829725	97.20	ng	0.00
7) Phenol-d6	6.44	99	991571	94.54	ng	0.00
23) Nitrobenzene-d5	7.37	82	612509	81.25	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	184065	91.44	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	990007	80.60	ng	0.00
78) Terphenyl-d14	12.92	244	736482	61.68	ng	0.00

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.37	70	79542	11.605	ng	# 73
25) Isophorone	7.37	82	612500	38.424	ng	# 64
49) Dimethylphthalate	9.56	163	90554	5.918	ng	100
64) 4,6-Dinitro-2-methylphenol	10.63	198	297	7.531	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10783	3.613	ng	# 1
74) Fluoranthene	12.54	202	73820	4.521	ng	95
76) Benzidine	12.92	184	10131	Below Cal		97
77) Pyrene	12.77	202	140693	6.973	ng	100
80) Benzo(a)anthracene	13.96	228	75995	4.673	ng	97
82) Chrysene	14.00	228	72454	4.338	ng	96
85) Indeno(1,2,3-cd)pyrene	16.88	276	30229	2.130	ng	97
87) Benzo(b)fluoranthene	15.02	252	144084	7.412	ng	# 96
88) Benzo(k)fluoranthene	15.02	252	144084	7.851	ng	98
89) Benzo(a)pyrene	15.37	252	55093	3.167	ng	# 96
91) Benzo(a,h,i)perylene	17.32	276	28878	2.086	ng	96

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

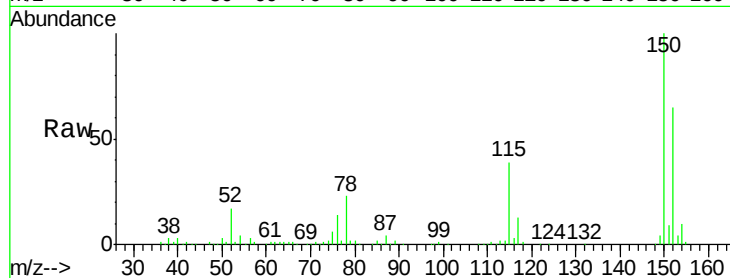


#1

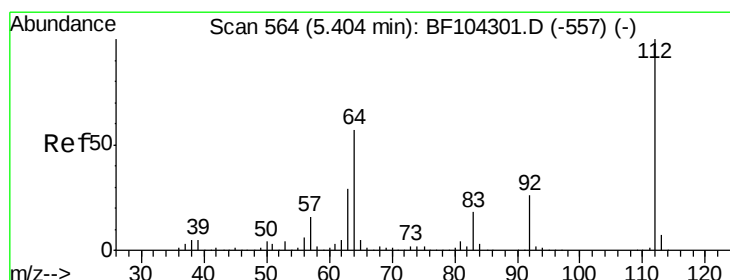
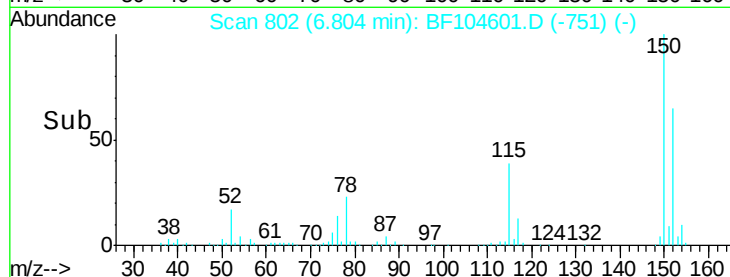
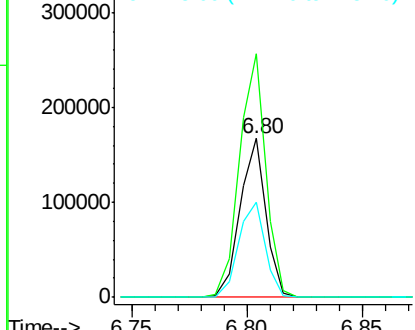
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104601.D
 Acq: 18 Apr 2018 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 130529
 Ion Ratio Lower Upper
 152 100
 150 153.4 124.6 186.8
 115 60.1 50.1 75.1



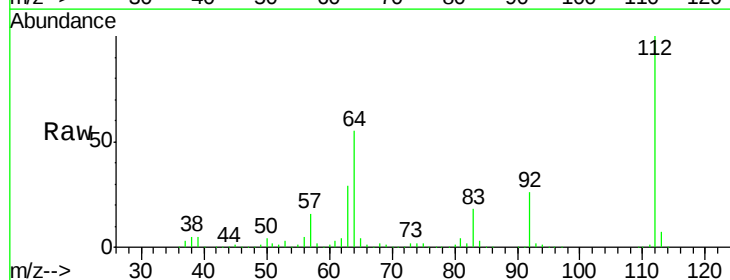
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



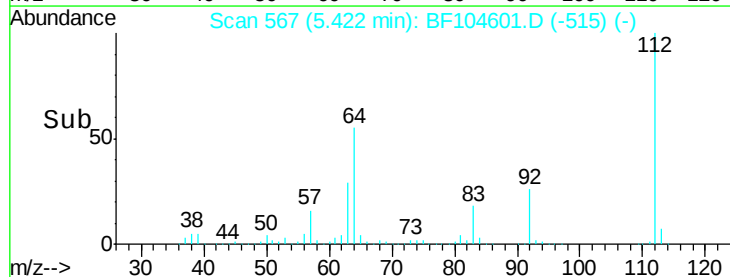
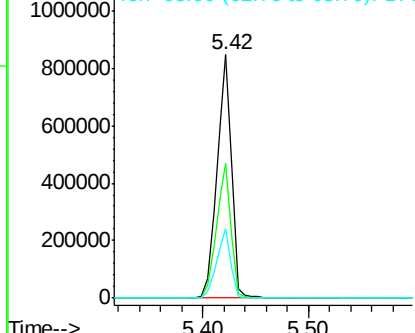
#5

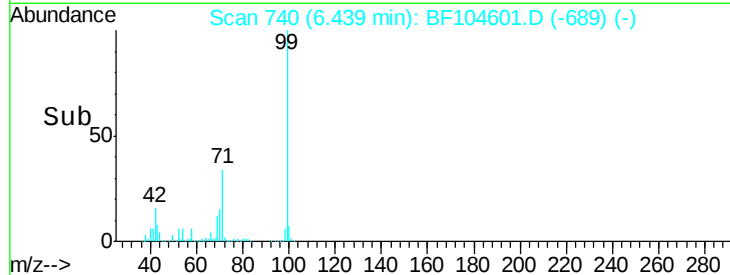
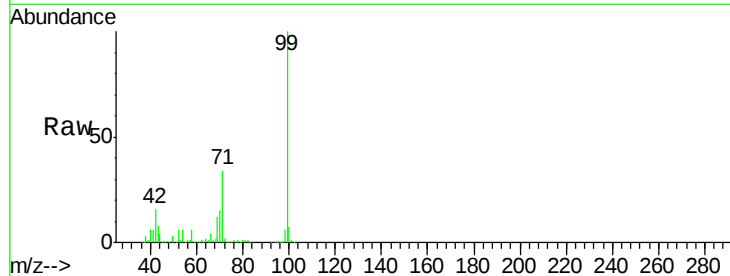
2-Fluorophenol
 Concen: 97.196 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: BF104601.D
 Acq: 18 Apr 2018 15:04

Tgt Ion:112 Resp: 829725
 Ion Ratio Lower Upper
 112 100
 64 55.2 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: 94.537 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

Instrument :

BNA_F

ClientSampled :

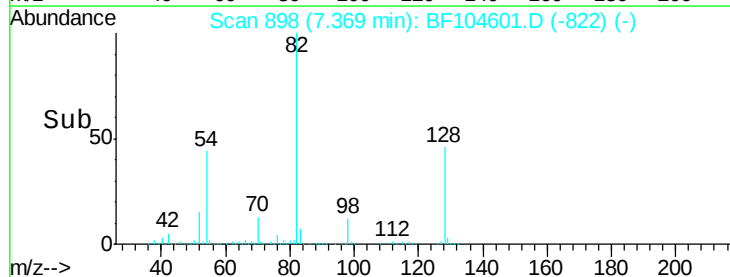
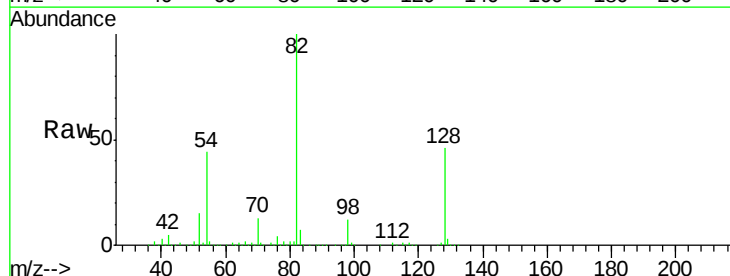
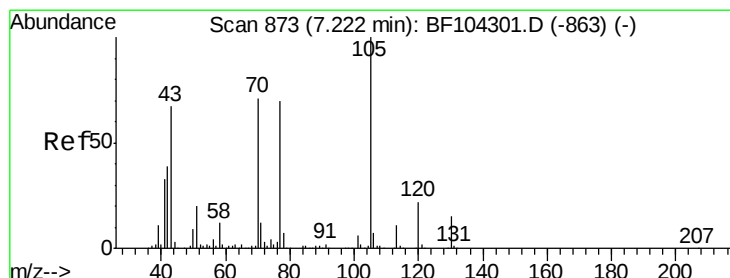
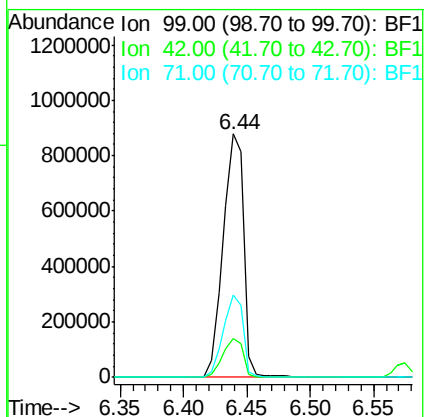
Tot Ion: 99 Resp: 991571

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 33.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 11.605 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

Tgt Ion: 70 Resp: 79542

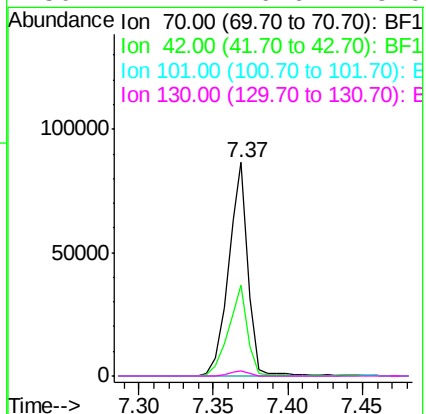
Ion Ratio Lower Upper

70 100

42 42.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

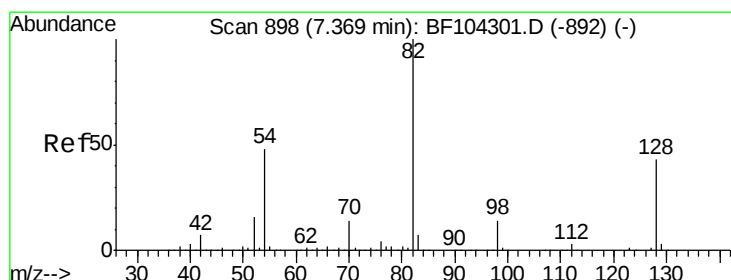
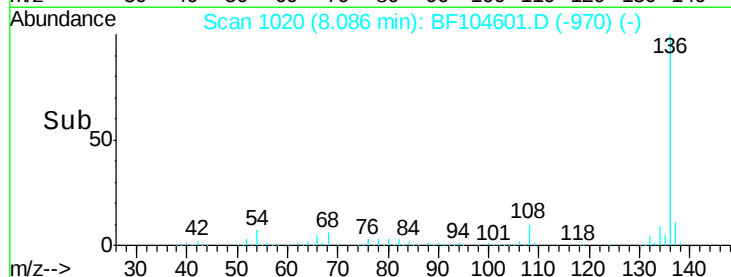
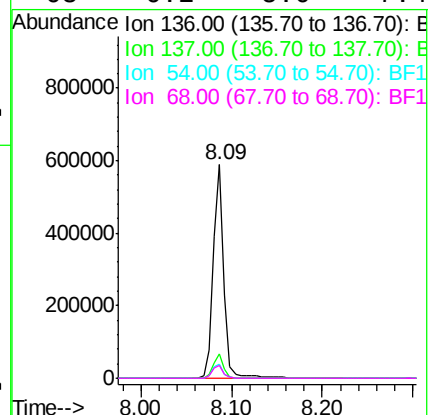
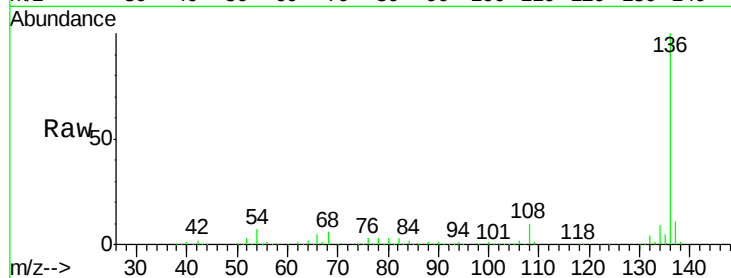




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

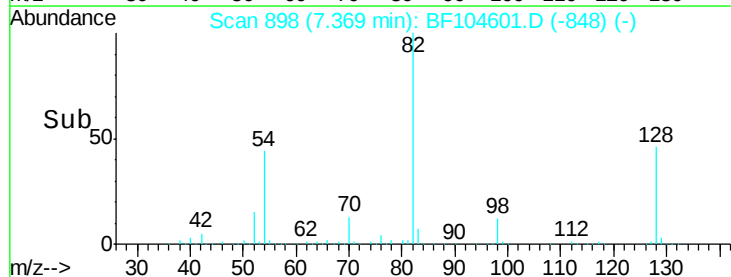
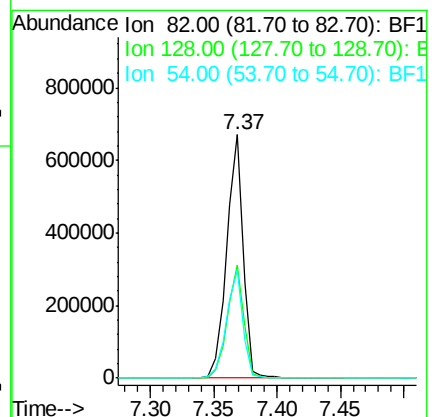
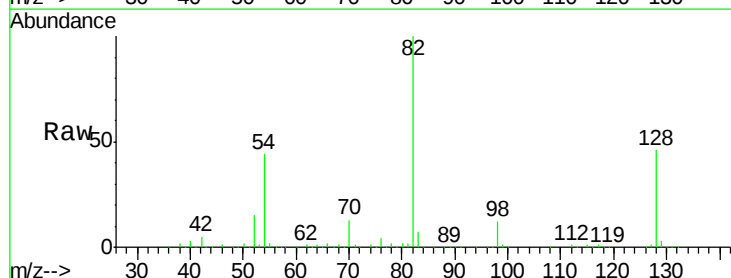
Instrument :
BNA_F
ClientSampleId :

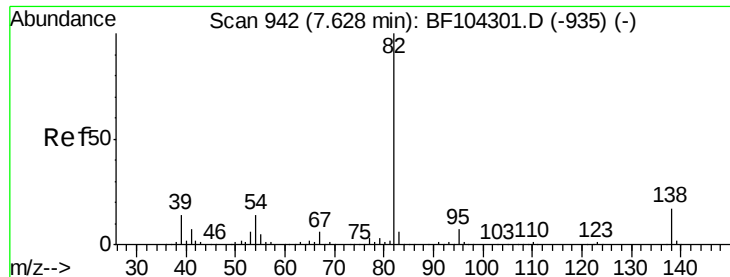
Tot Ion:136	Resp:	492230
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.9 13.3
54	6.6	6.6 9.8
68	6.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 81.254 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion: 82	Resp:	612509
Ion	Ratio	Lower Upper
82	100	
128	46.3	36.1 54.1
54	44.4	41.4 62.2





#25

Isophorone

Concen: 38.424 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

Instrument :

BNA_F

ClientSampleId :

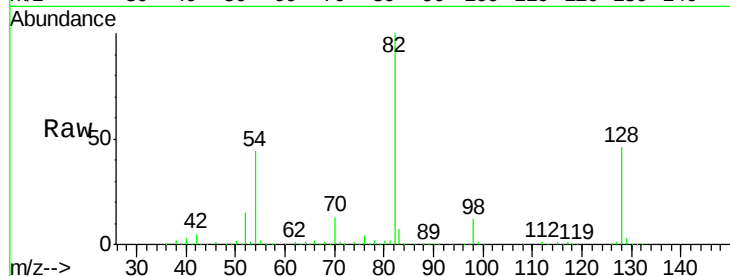
Tot Ion: 82 Resp: 612500

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

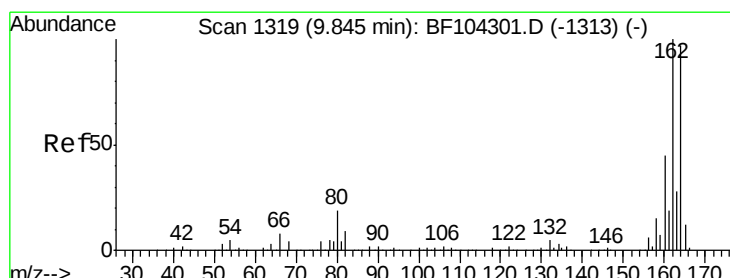
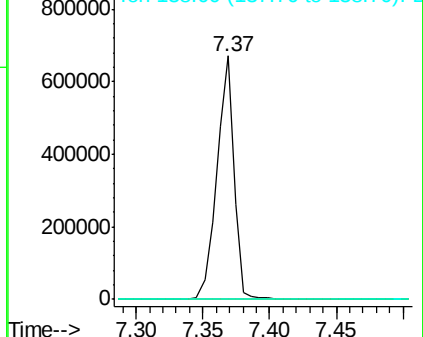
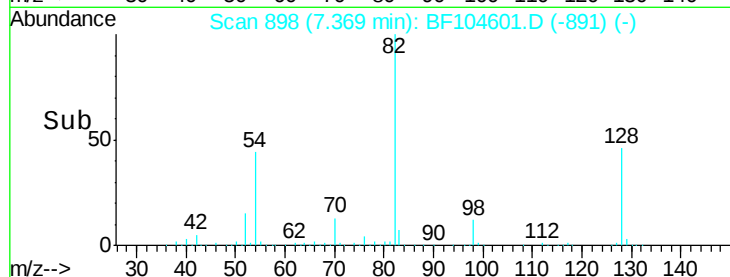
138 0.0 14.9 22.3#



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: BF104601.D

Acq: 18 Apr 2018 15:04

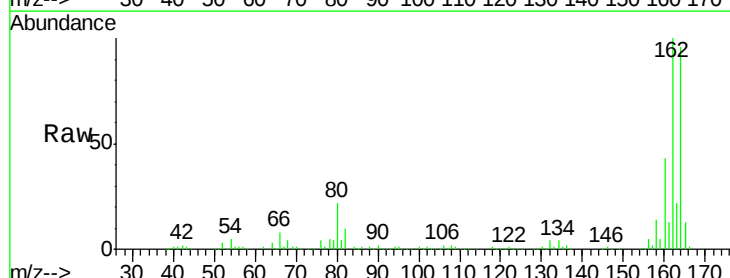
Tgt Ion: 164 Resp: 194044

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

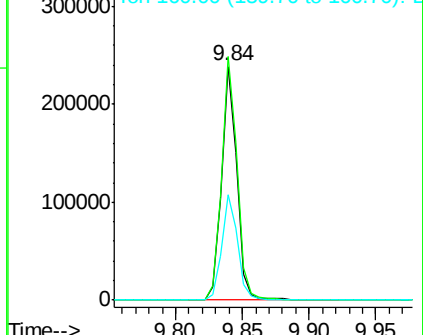
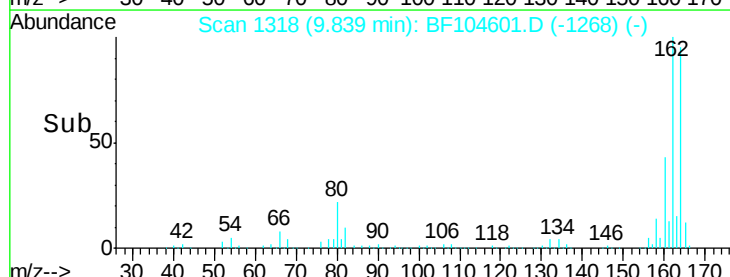
160 45.1 38.3 57.5



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

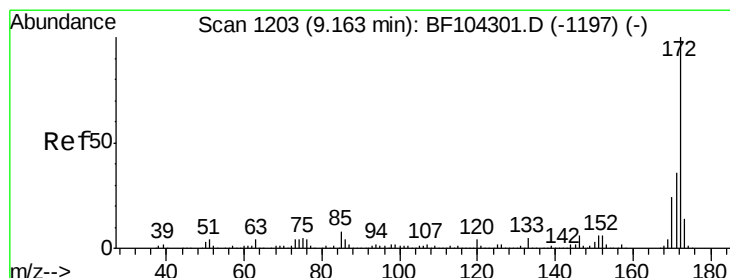
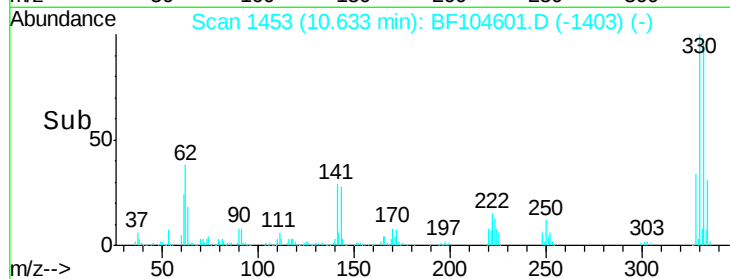
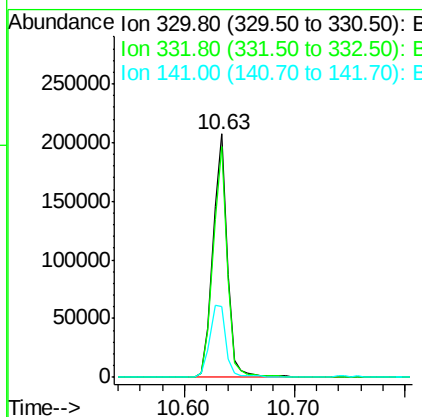
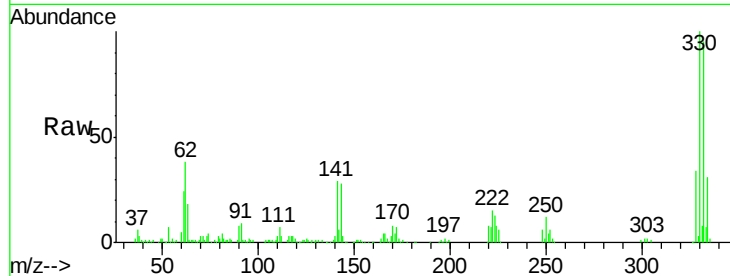




#41
 2,4,6-Tribromophenol
 Concen: 91.444 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104601.D
 Acq: 18 Apr 2018 15:04

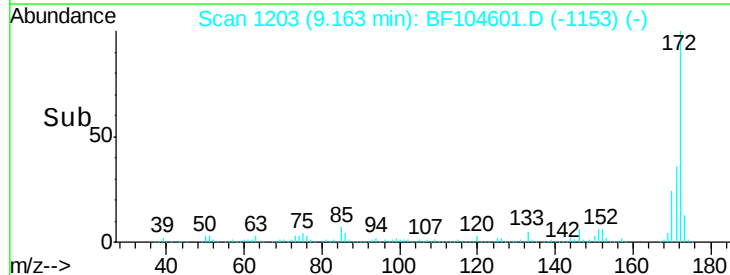
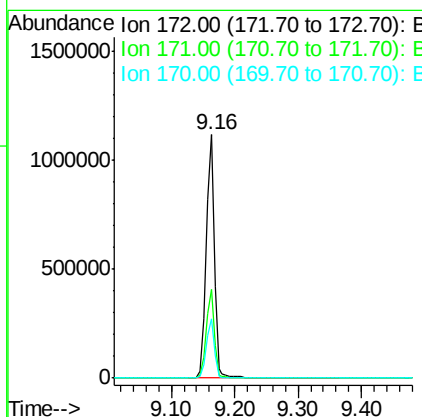
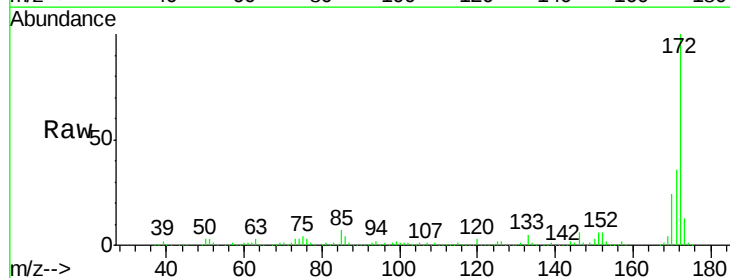
Instrument :
 BNA_F
 ClientSampled :

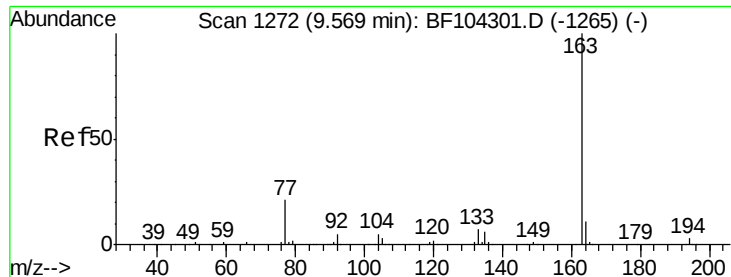
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	77.0	115.6
141	32.7	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 80.598 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104601.D
 Acq: 18 Apr 2018 15:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.1	19.6	29.4

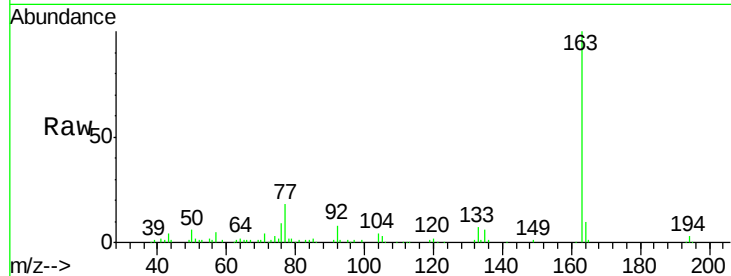




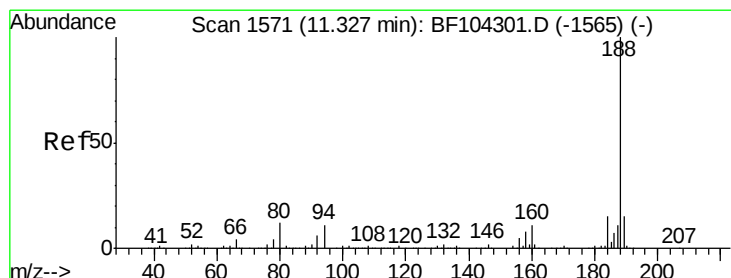
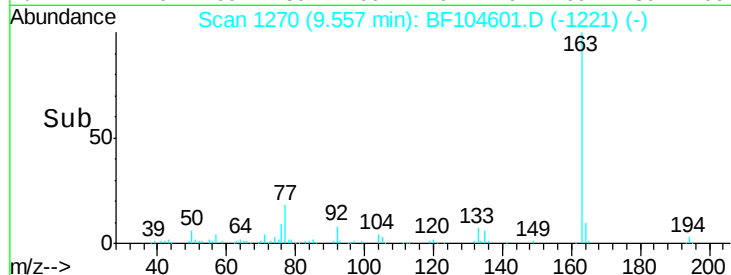
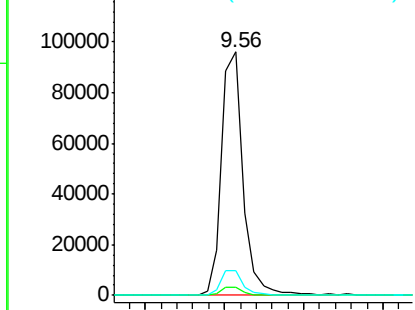
#49
Dimethylphthalate
Concen: 5.918 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 90554
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 10.1 8.2 12.2

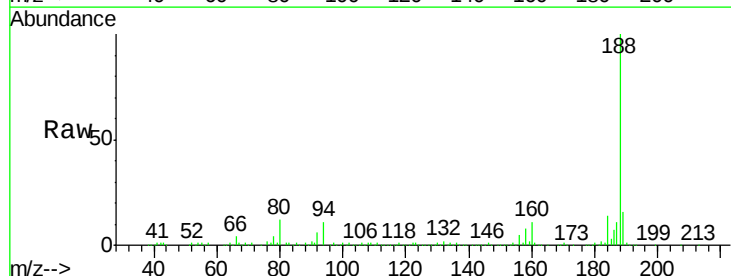


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

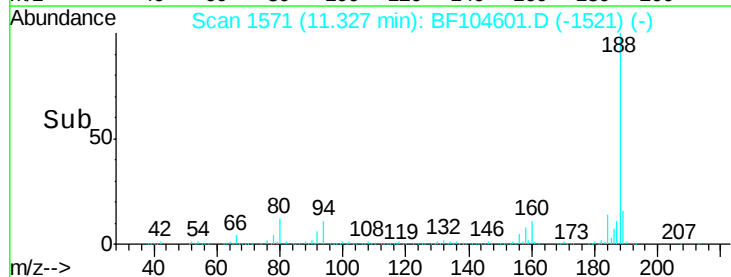
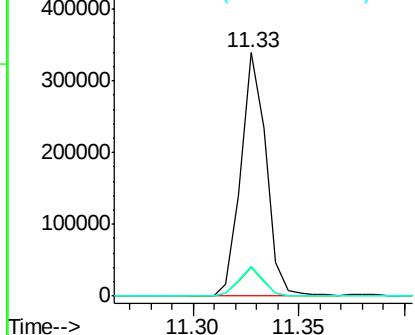


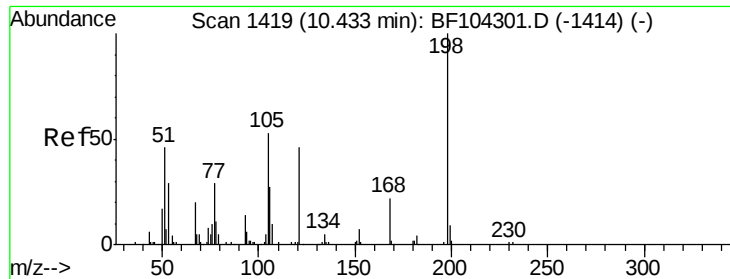
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:188 Resp: 280620
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.4 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

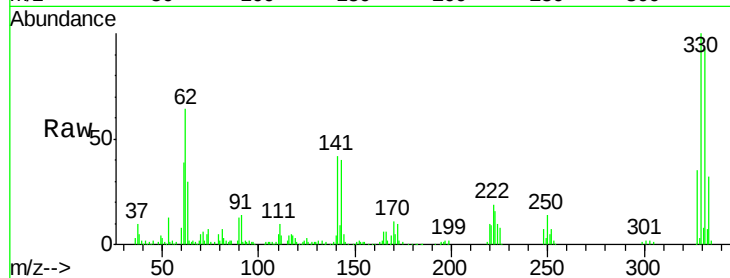




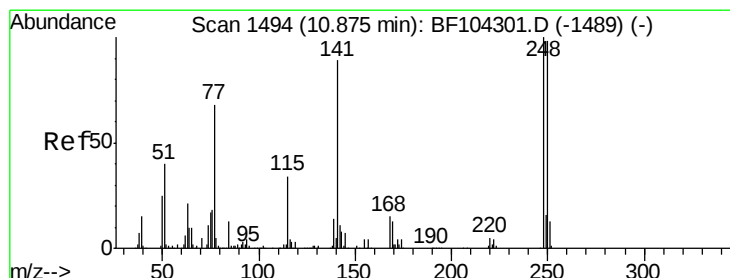
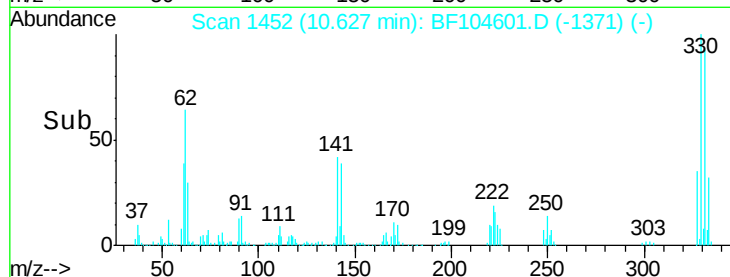
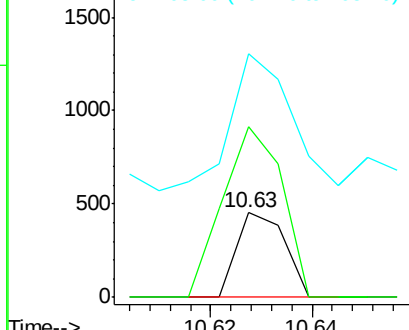
#64
4,6-Dinitro-2-methylphenol
Concen: 7.531 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.18 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 297
Ion Ratio Lower Upper
198 100
51 202.2 37.7 77.7#
105 288.5 36.3 76.3#

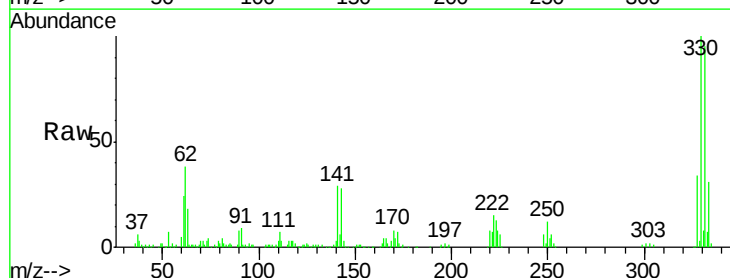


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

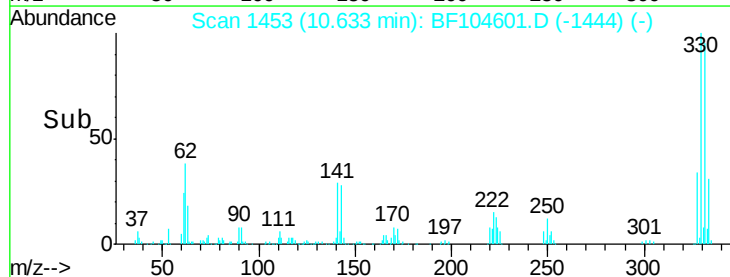
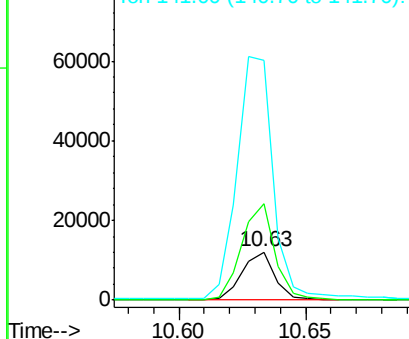


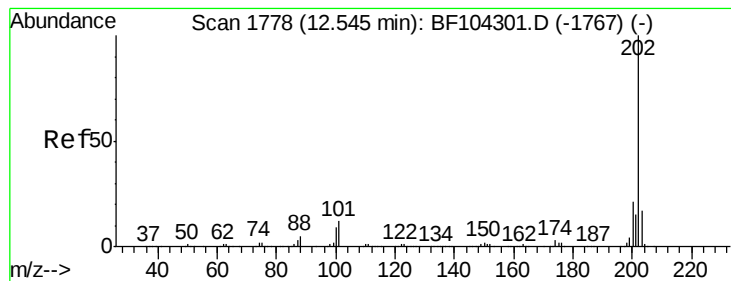
#66
4-Bromophenyl-phenylether
Concen: 3.613 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion:248 Resp: 10783
Ion Ratio Lower Upper
248 100
250 199.5 76.9 115.3#
141 495.5 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: 4.521 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

Instrument :

BNA_F

ClientSampleId :

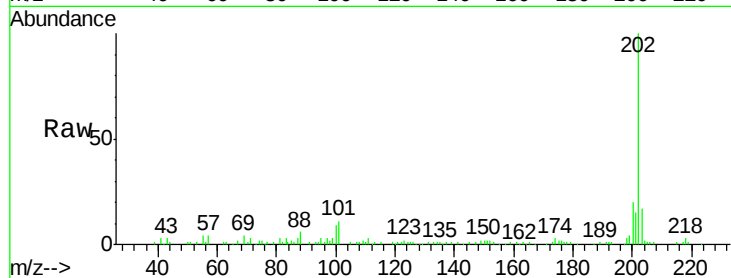
Tot Ion:202 Resp: 73820

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

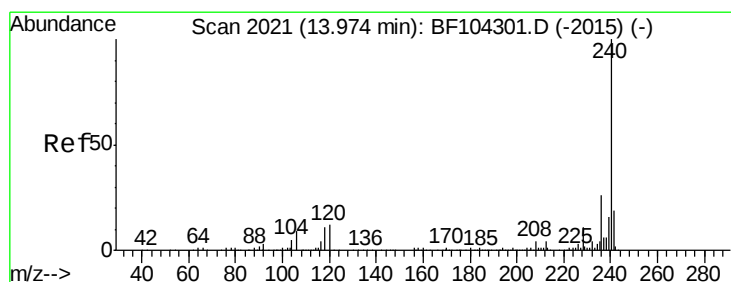
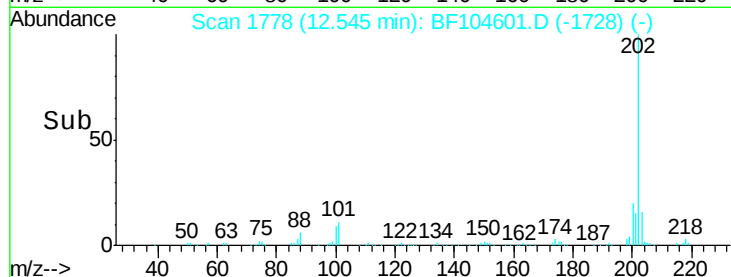
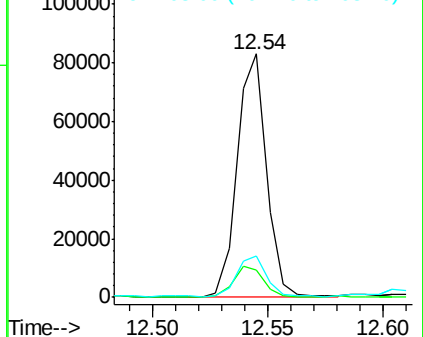
203 16.8 0.0 38.1



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: BF104601.D

Acq: 18 Apr 2018 15:04

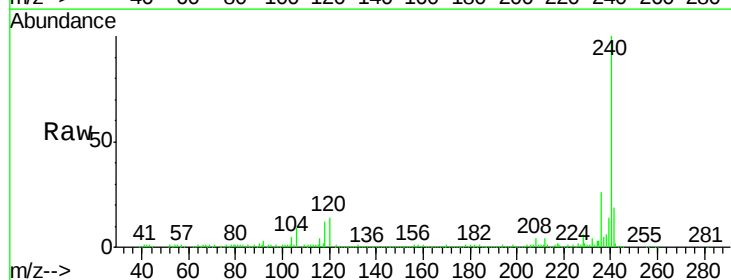
Tgt Ion:240 Resp: 272209

Ion Ratio Lower Upper

240 100

120 13.6 9.5 14.3

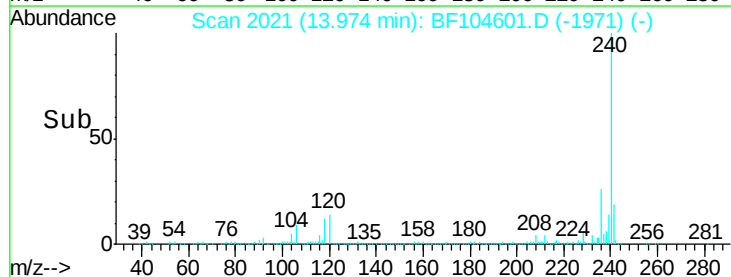
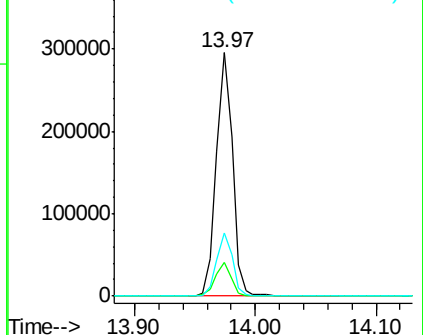
236 25.9 20.7 31.1

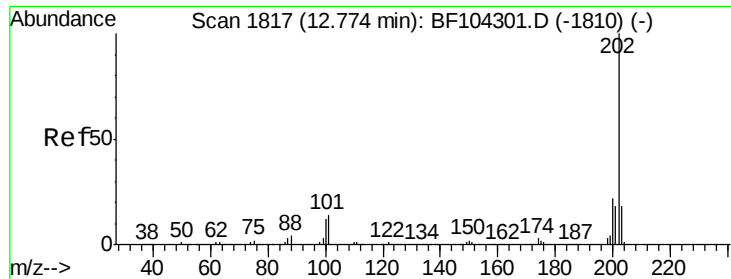


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.973 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

Instrument :

BNA_F

ClientSampleId :

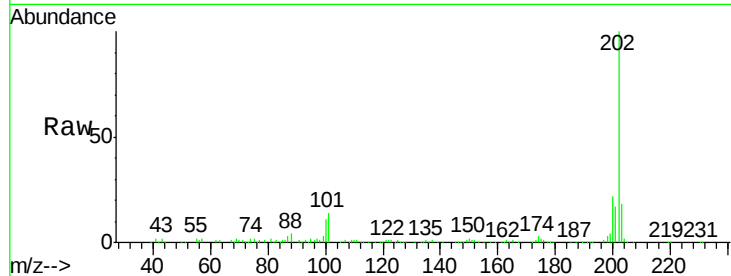
Tot Ion:202 Resp: 140693

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

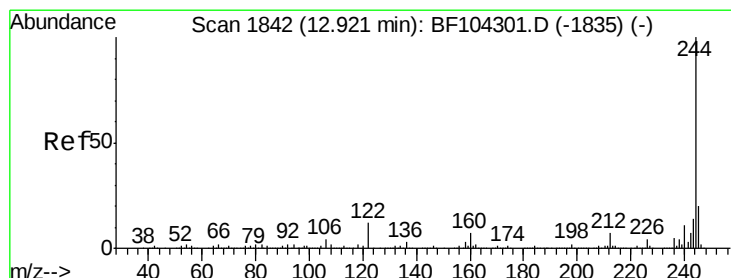
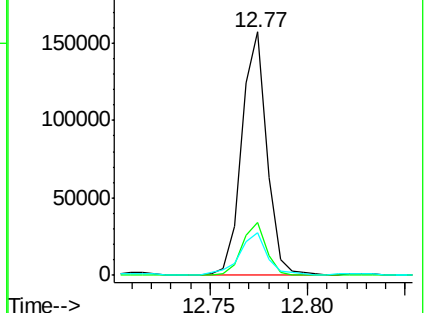
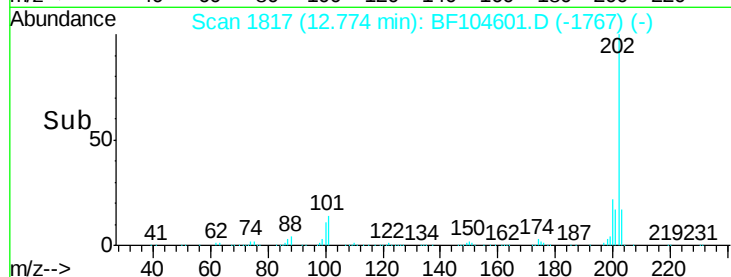
203 17.8 14.3 21.5



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: 61.683 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

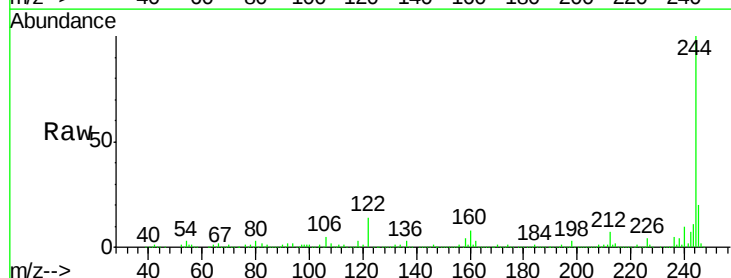
Tgt Ion:244 Resp: 736482

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

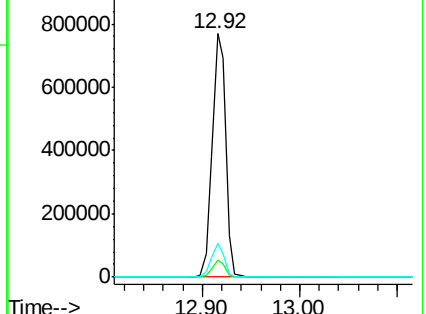
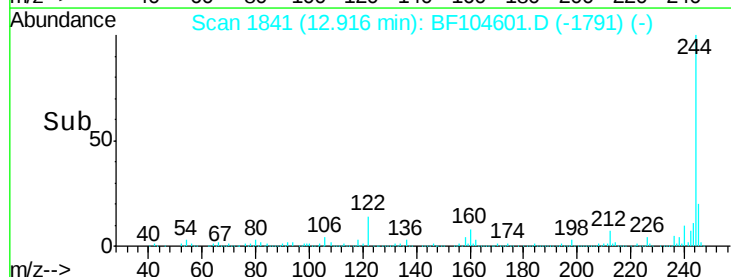
122 13.7 11.0 16.4

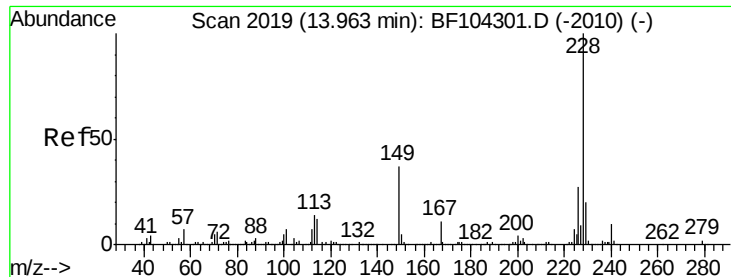


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.673 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

Instrument :

BNA_F

ClientSampled :

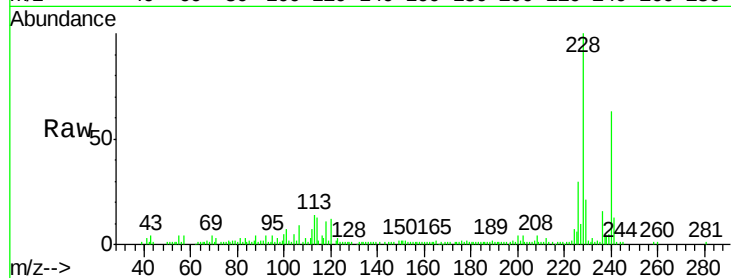
Tot Ion:228 Resp: 75995

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

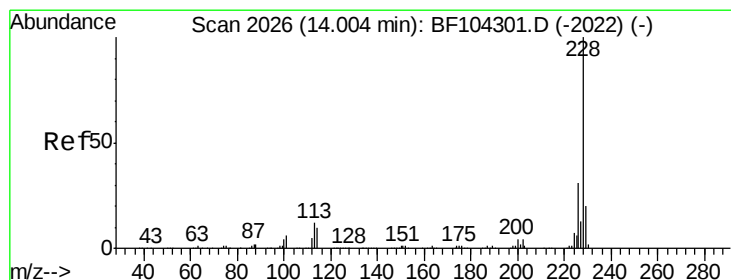
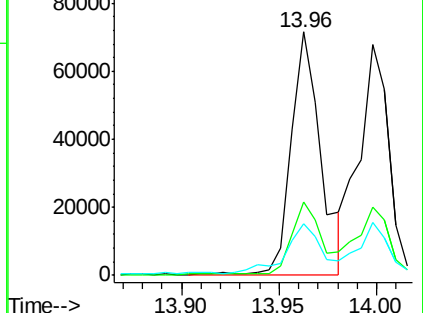
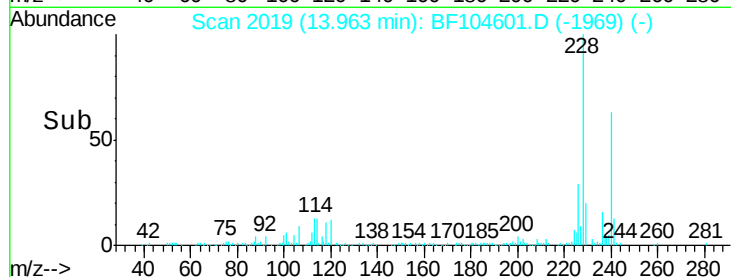
229 21.3 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.338 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

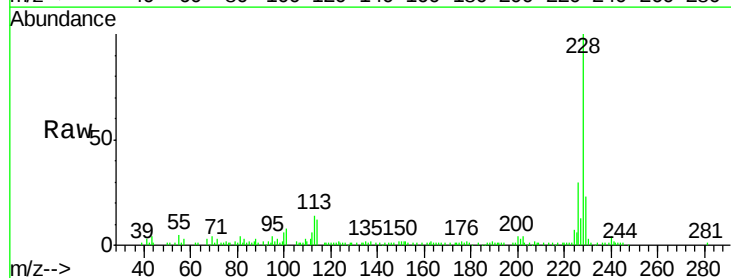
Tgt Ion:228 Resp: 72454

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

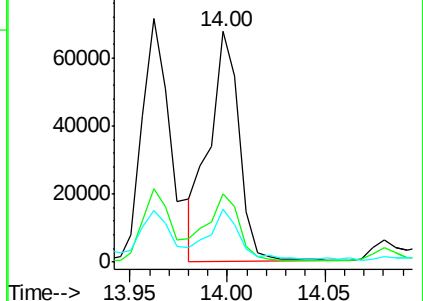
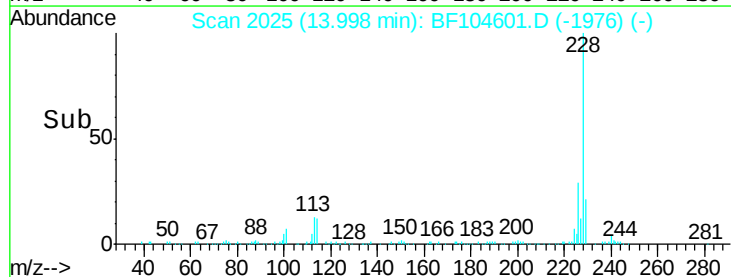
229 22.7 16.2 24.4

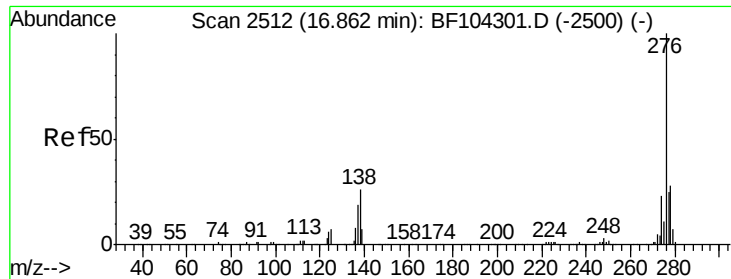


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

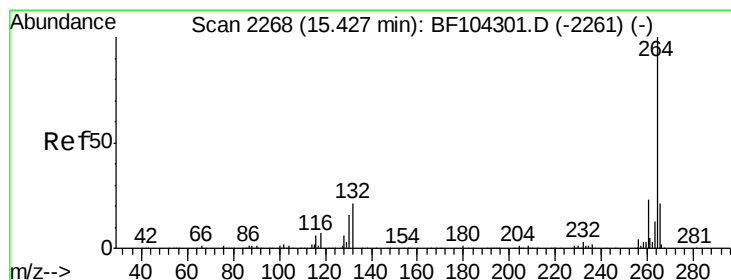
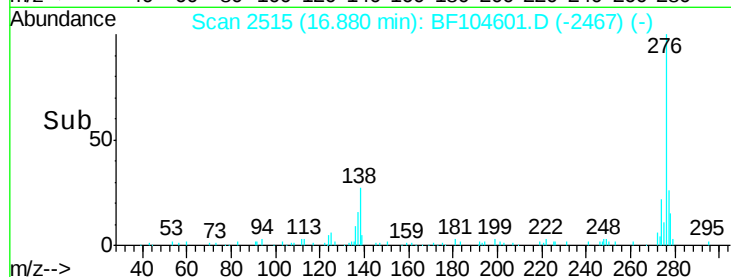
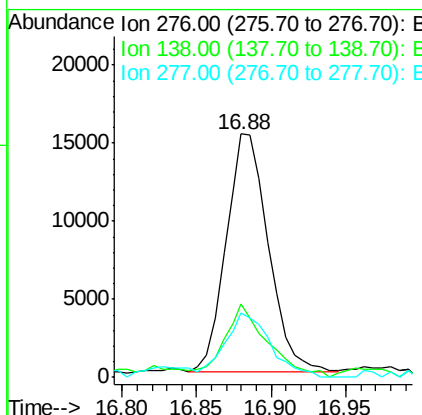
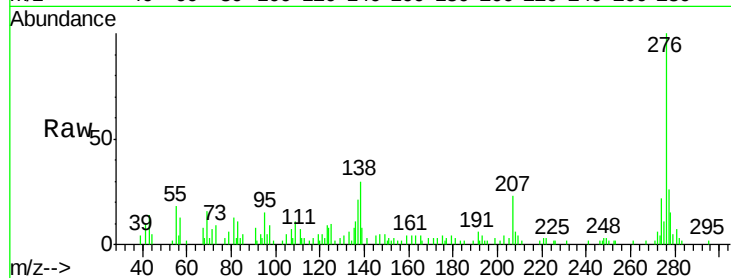




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.130 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.02 min
 Lab File: BF104601.D
 Acq: 18 Apr 2018 15:04

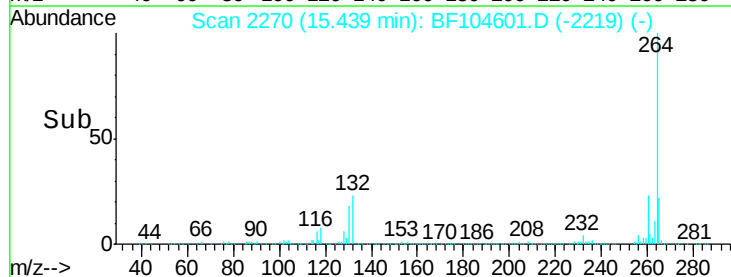
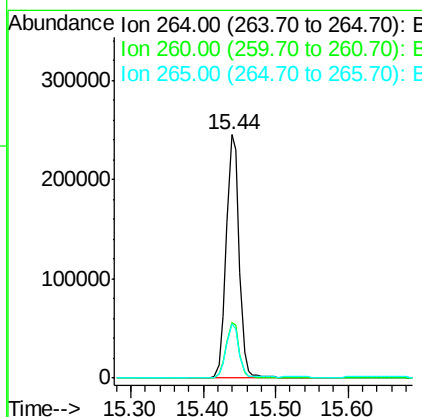
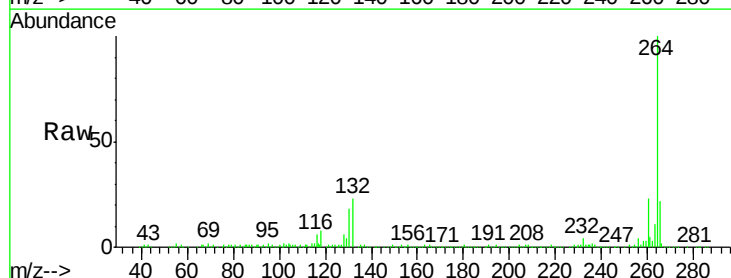
Instrument :
 BNA_F
 ClientSampleId :

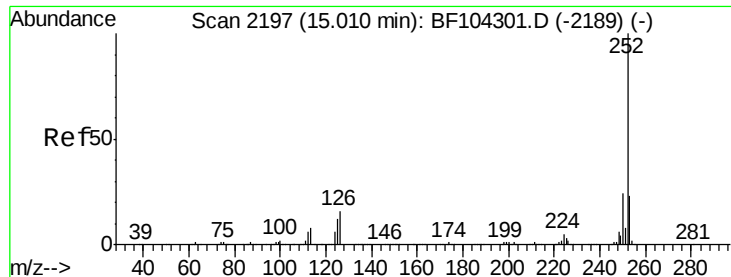
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.4	25.0	37.6
277	28.7	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: BF104601.D
 Acq: 18 Apr 2018 15:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.412 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

Instrument :

BNA_F

ClientSampled :

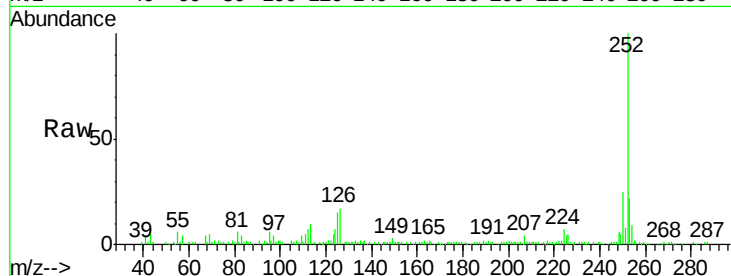
Tot Ion:252 Resp: 144084

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.6

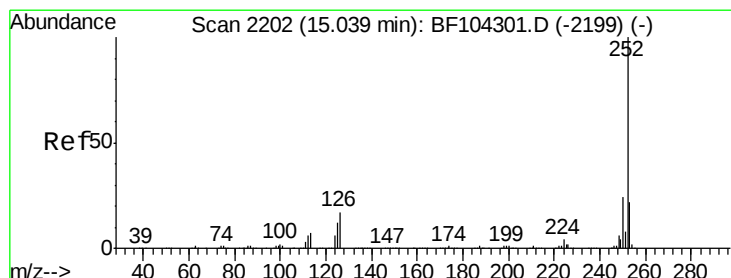
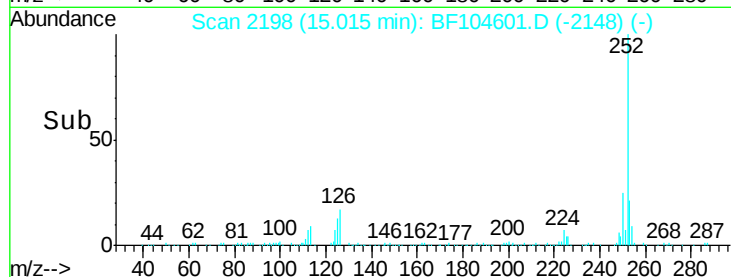
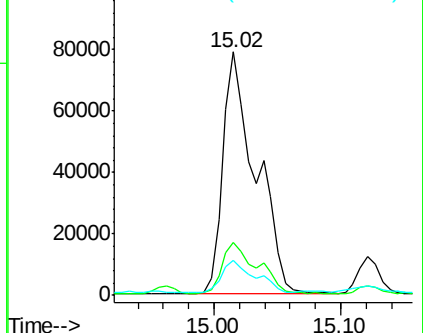
125 14.5 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 7.851 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.04 min

Lab File: BF104601.D

Acq: 18 Apr 2018 15:04

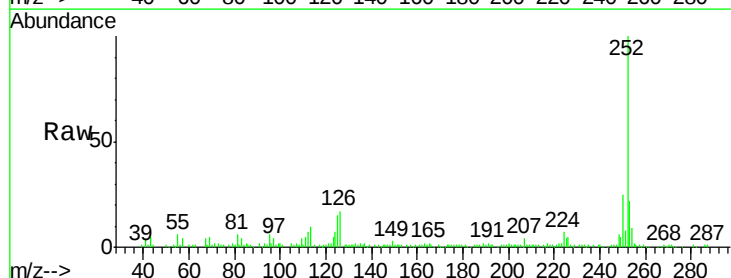
Tgt Ion:252 Resp: 144084

Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

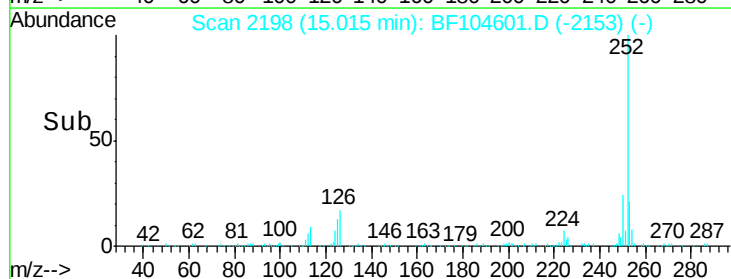
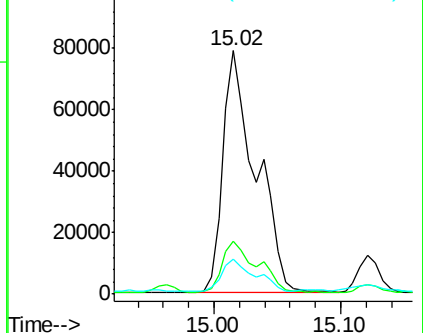
125 14.5 10.2 15.2

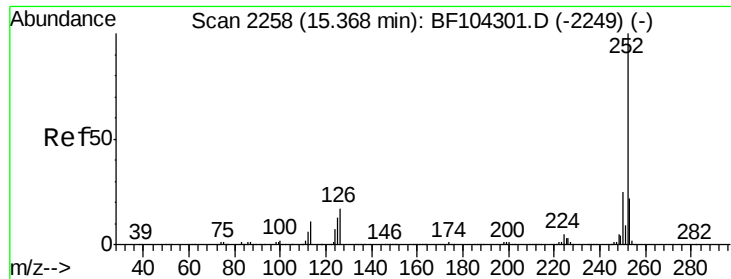


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

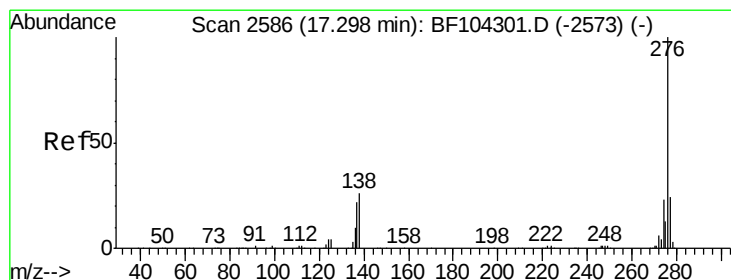
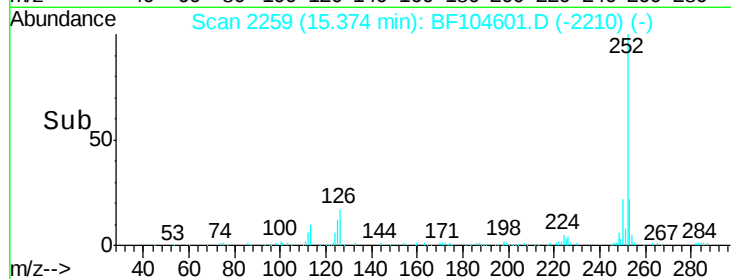
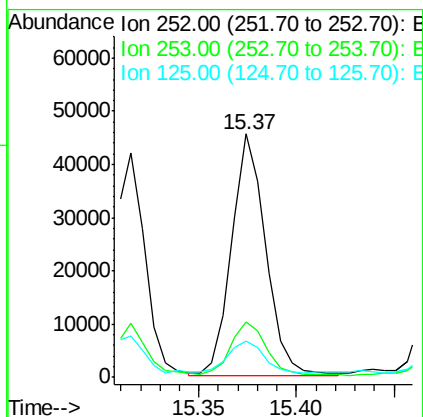
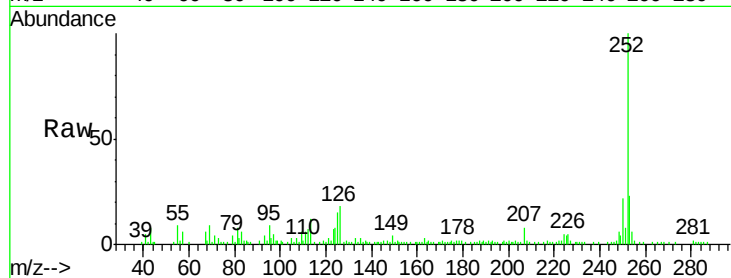




#89
Benzo(a)pyrene
Concen: 3.167 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.9	9.8	14.6



#91
Benzo(g,h,i)perylene
Concen: 2.086 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.02 min
Lab File: BF104601.D
Acq: 18 Apr 2018 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	28.2	21.8	32.8

