

Data Path : Z:\HPCHEM1\BNA F\DATA\BF033018\
 Data File : BF104116.D
 Acq On : 31 Mar 2018 1:44
 Operator : JU/SJ
 Sample : J2142-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 31 03:50:37 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 30 17:20:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	99969	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	413221	20.00	ng	0.00
38) Acenaphthene-d10	9.99	164	178180	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	280113	20.00	ng	0.00
75) Chrysene-d12	14.14	240	217309	20.00	ng	0.00
86) Perylene-d12	15.68	264	186485	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	563468	89.89	ng	0.00
7) Phenol-d6	6.59	99	728212	94.42	ng	0.00
23) Nitrobenzene-d5	7.52	82	425768	63.01	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	159604	80.44	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	752230	66.57	ng	0.00
78) Terphenyl-d14	13.07	244	566812	60.22	ng	0.00

Target Compounds

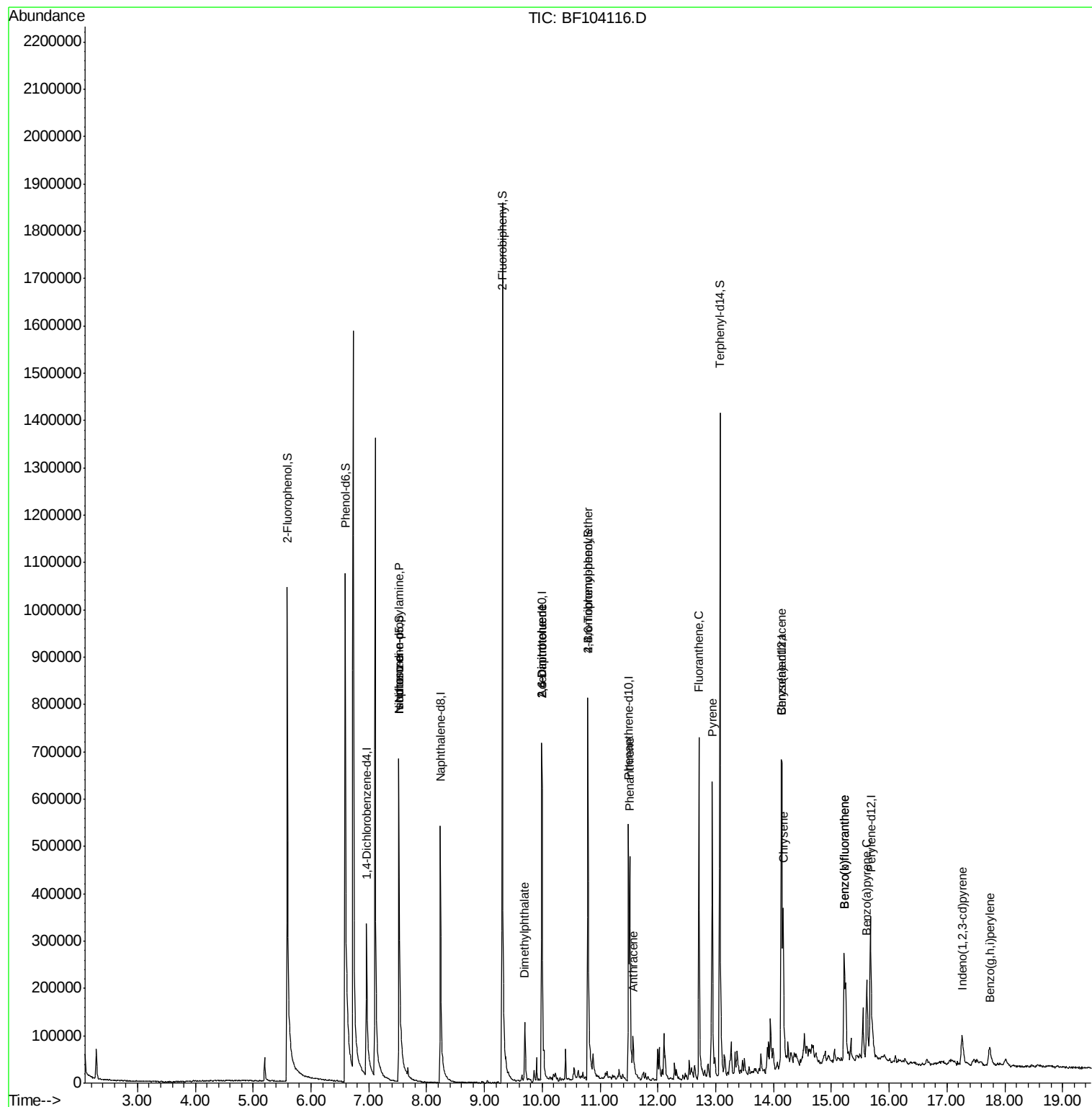
						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	50726	11.083	ng	# 73
25) Isophorone	7.52	82	425768	34.192	ng	# 64
49) Dimethylphthalate	9.70	163	67503	4.798	ng	100
50) 2,6-Dinitrotoluene	9.99	165	23279	7.692	ng	# 26
56) 2,4-Dinitrotoluene	9.99	165	23279	6.028	ng	# 23
66) 4-Bromophenyl-phenylether	10.79	248	9430	3.147	ng	# 1
70) Phenanthrene	11.52	178	211313	13.934	ng	97
71) Anthracene	11.57	178	72873	4.600	ng	99
74) Fluoranthene	12.71	202	361122	22.402	ng	96
77) Pyrene	12.94	202	303752	19.445	ng	98
80) Benzo(a)anthracene	14.13	228	167185	12.295	ng	97
82) Chrysene	14.17	228	130723	9.816	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	57390	4.158	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	209287	18.441	ng	97
88) Benzo(k)fluoranthene	15.22	252	209287	19.576	ng	99
89) Benzo(a)pyrene	15.62	252	108516	10.318	ng	96
91) Benzo(a,h,i)perylene	17.74	276	49717	5.105	ng	93

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

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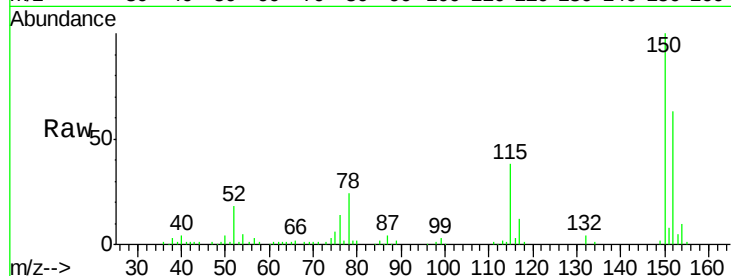


#1

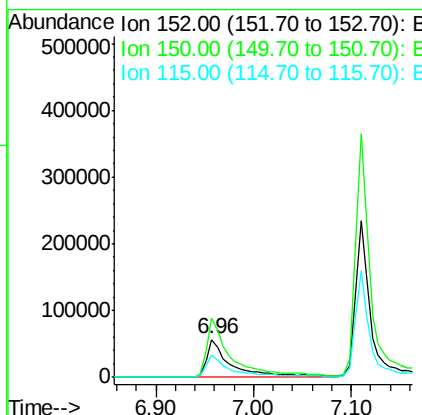
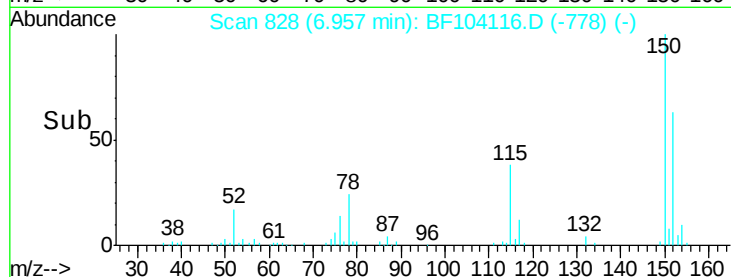
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104116.D
Acq: 31 Mar 2018 1:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 99969
Ion Ratio Lower Upper
152 100
150 157.6 124.6 186.8
115 60.5 50.1 75.1



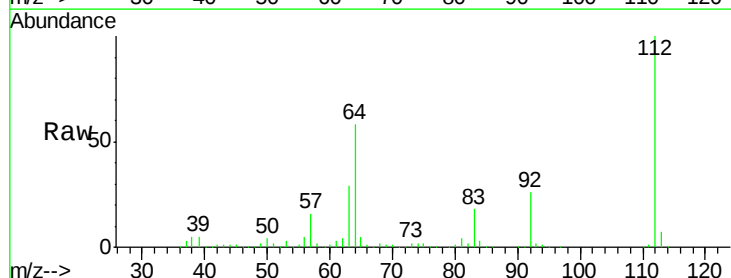
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



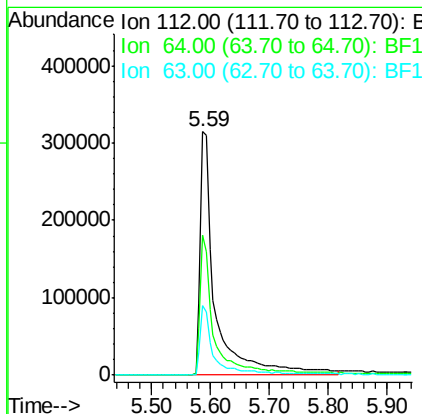
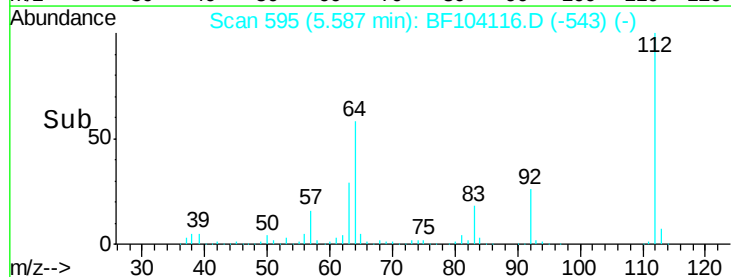
#5

2-Fluorophenol
Concen: 89.887 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.01 min
Lab File: BF104116.D
Acq: 31 Mar 2018 1:44

Tgt Ion:112 Resp: 563468
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 28.6 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: 94.422 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampled :

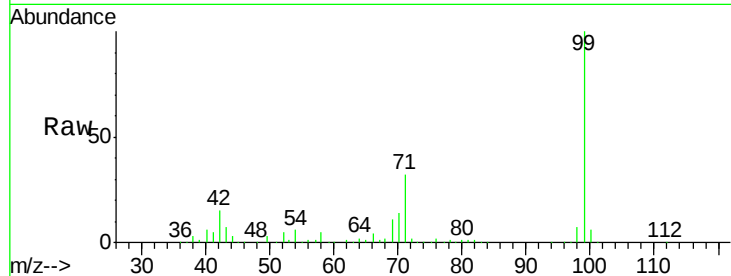
Tot Ion: 99 Resp: 728212

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

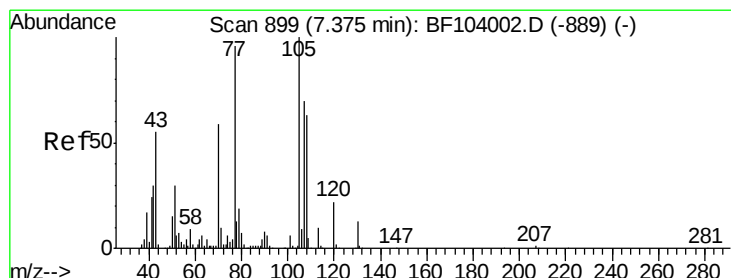
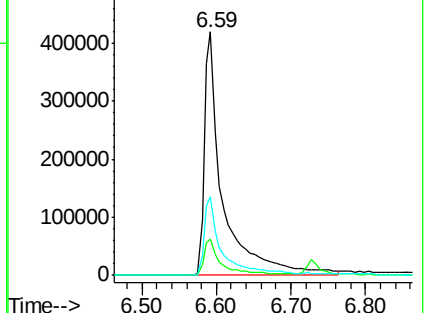
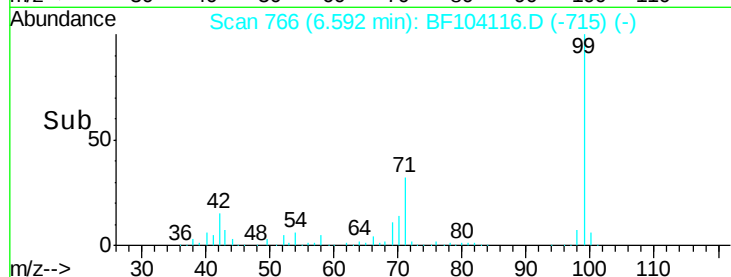
71 32.5 25.4 38.0



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: 11.083 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.16 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Tgt Ion: 70 Resp: 50726

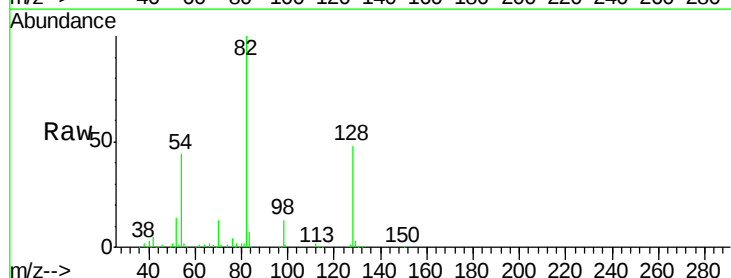
Ion Ratio Lower Upper

70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.9 16.6 25.0#

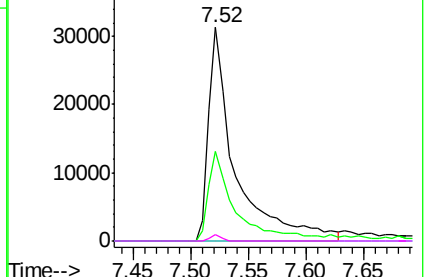
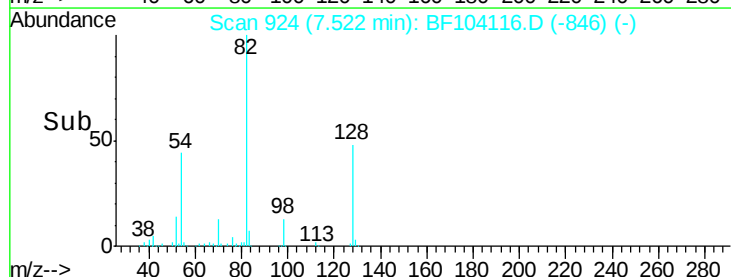


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

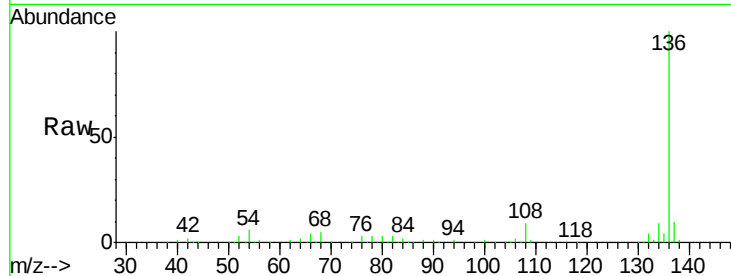




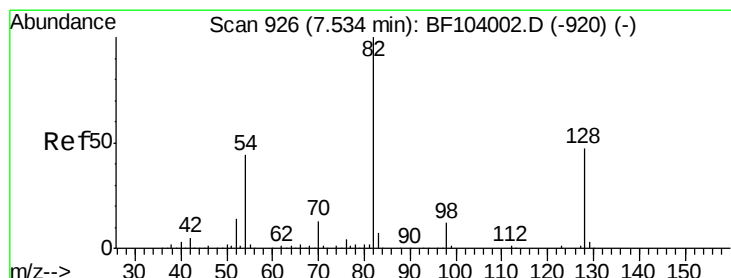
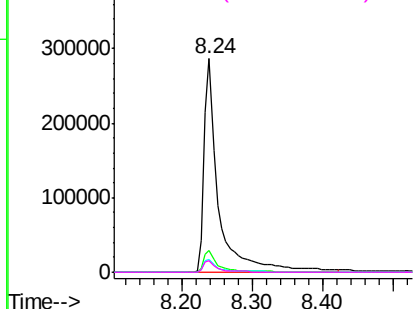
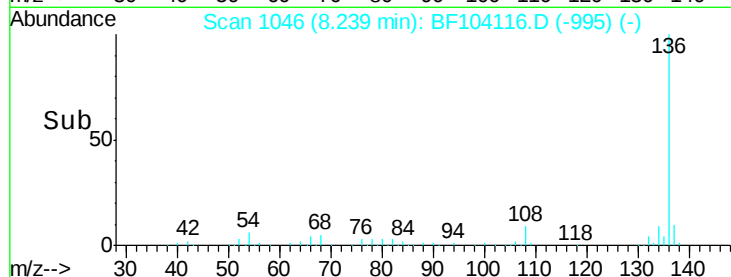
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF104116.D
Acq: 31 Mar 2018 1:44

Instrument :
BNA_F
ClientSampled :

Tot Ion:136 Resp: 413221
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 6.0 6.6 9.8#
68 5.2 5.0 7.4

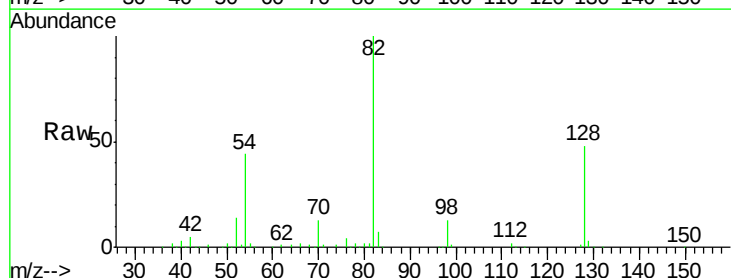


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

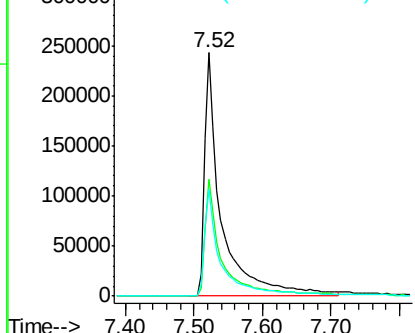
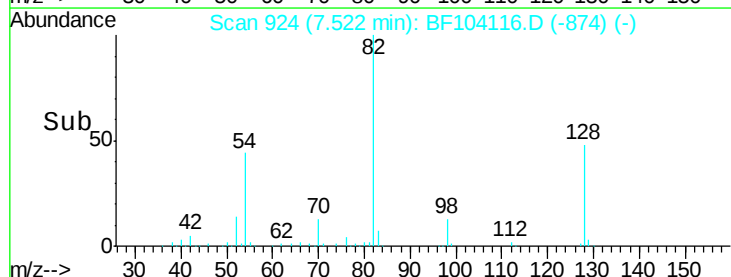


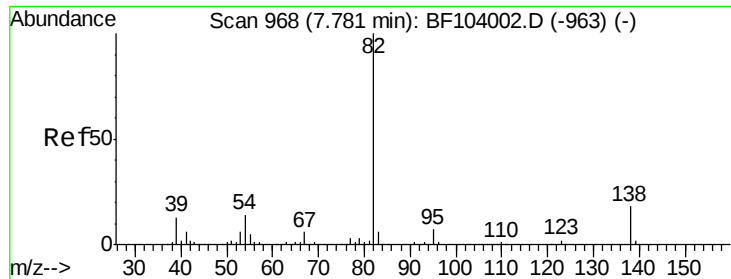
#23
Nitrobenzene-d5
Concen: 63.012 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104116.D
Acq: 31 Mar 2018 1:44

Tgt Ion: 82 Resp: 425768
Ion Ratio Lower Upper
82 100
128 48.2 36.1 54.1
54 44.0 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: 34.192 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.25 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

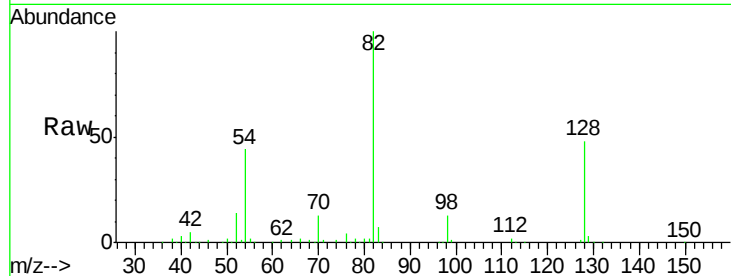
Tot Ion: 82 Resp: 425768

Ion Ratio Lower Upper

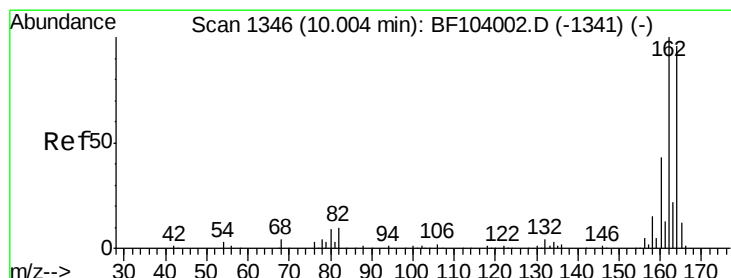
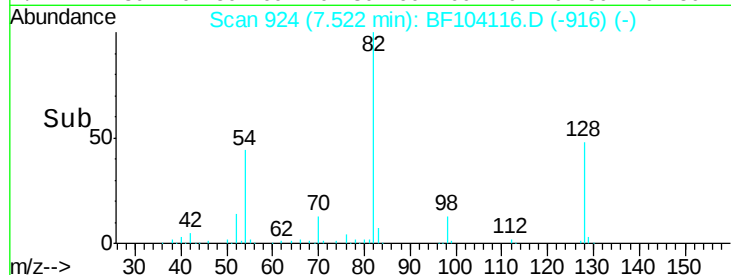
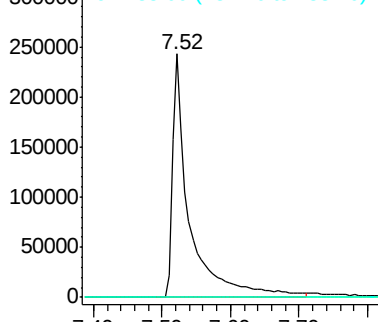
82 100

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: 9.99 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

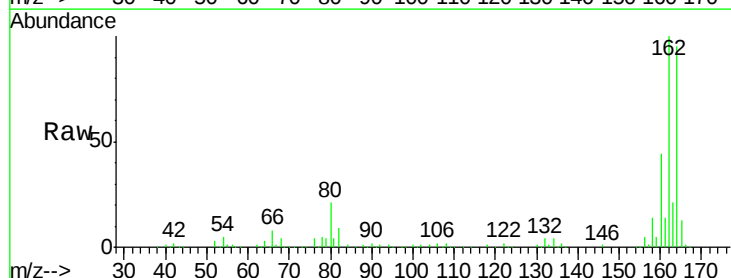
Tgt Ion:164 Resp: 178180

Ion Ratio Lower Upper

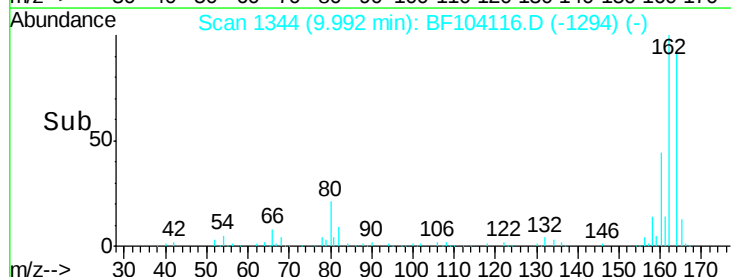
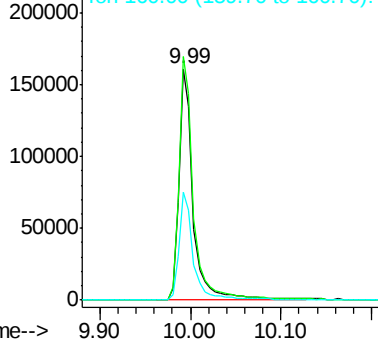
164 100

162 105.3 86.1 129.1

160 46.4 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: 80.444 ng

RT: 10.79 min Scan# 1480

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

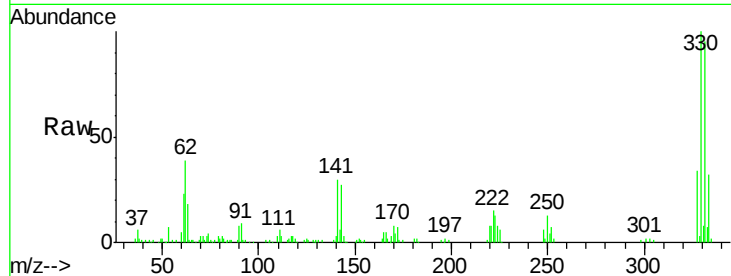
Tot Ion:330 Resp: 159604

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

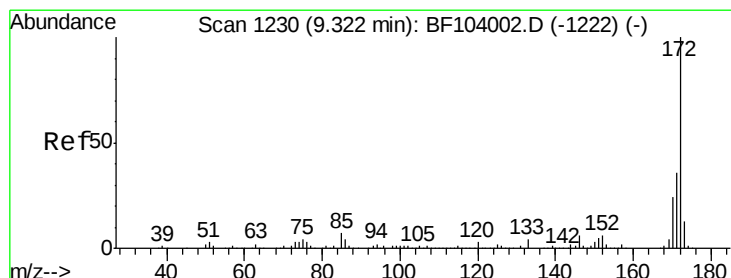
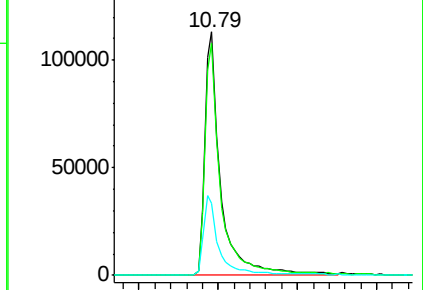
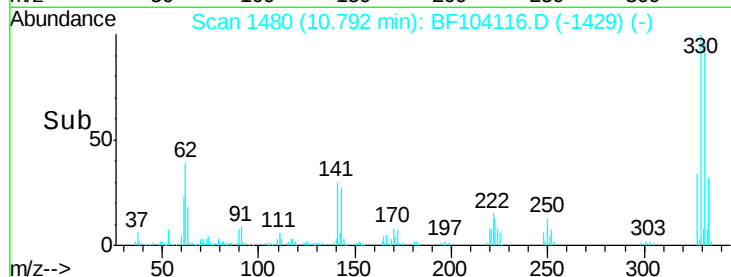
141 31.9 29.9 44.9



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: 66.573 ng

RT: 9.31 min Scan# 1228

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

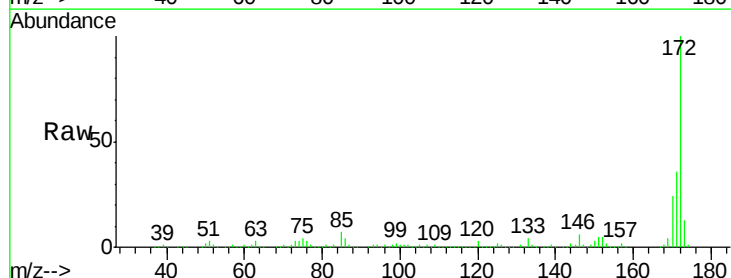
Tgt Ion:172 Resp: 752230

Ion Ratio Lower Upper

172 100

171 35.8 29.7 44.5

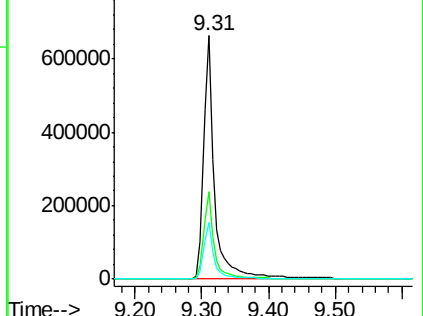
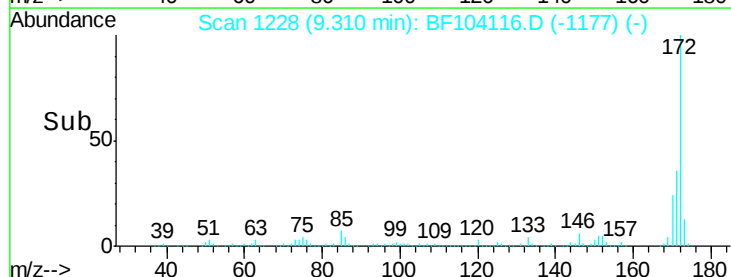
170 23.5 19.6 29.4

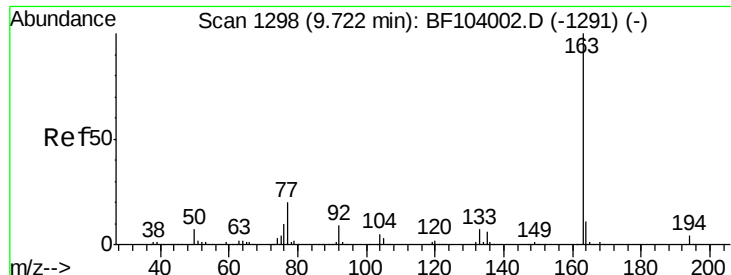


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

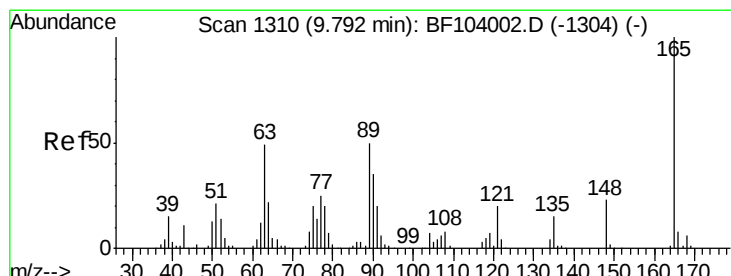
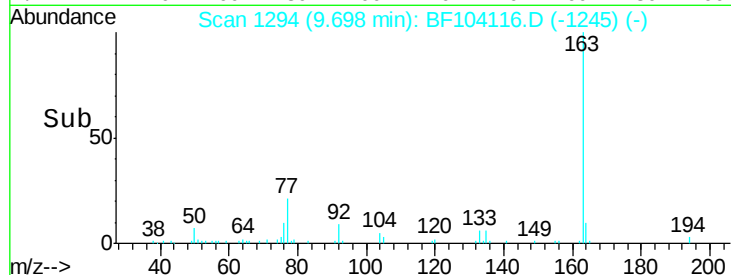
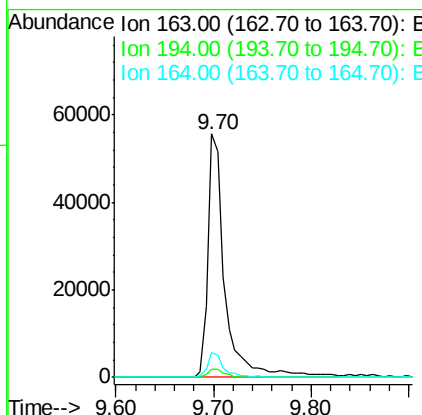
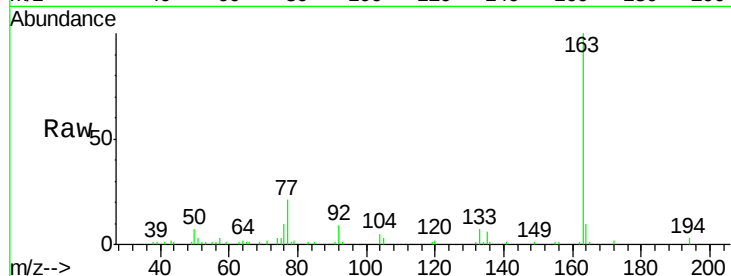




#49
Dimethylphthalate
Concen: 4.798 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF104116.D
Acq: 31 Mar 2018 1:44

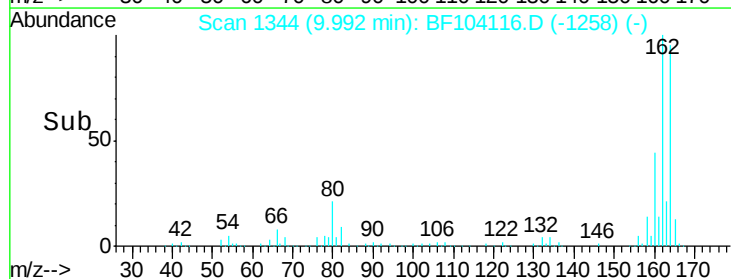
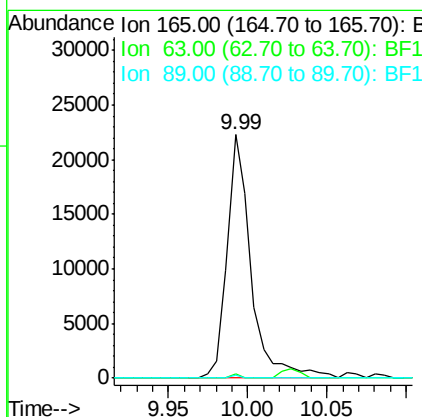
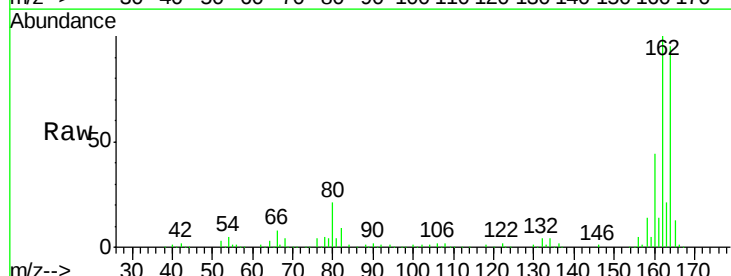
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 67503
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.3 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.692 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.21 min
Lab File: BF104116.D
Acq: 31 Mar 2018 1:44

Tgt Ion:165 Resp: 23279
Ion Ratio Lower Upper
165 100
63 1.6 44.7 67.1#
89 1.4 44.0 66.0#





#56

2,4-Dinitrotoluene

Concen: 6.028 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.20 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 23279

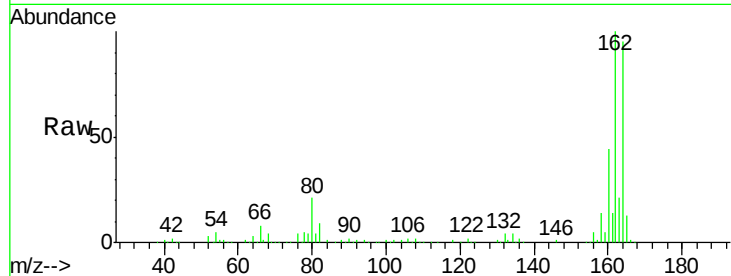
Ion Ratio Lower Upper

165 100

63 1.6 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

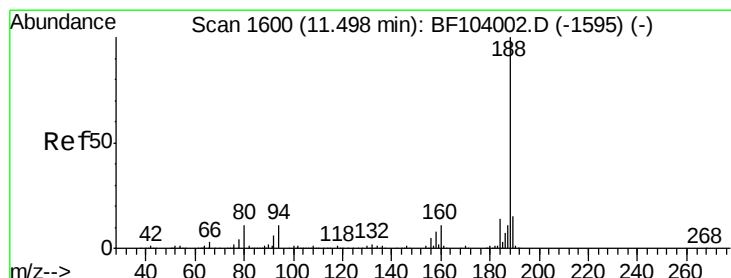
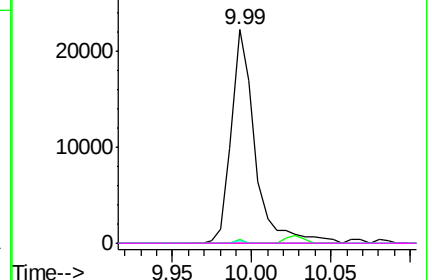
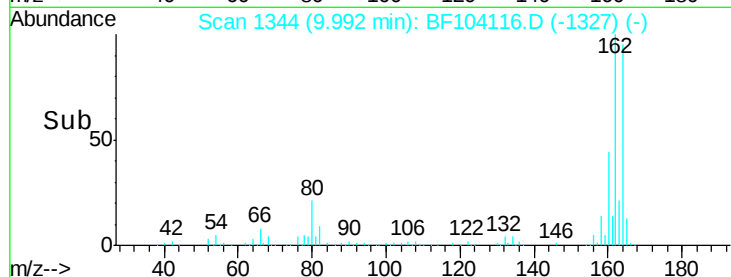


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.49 min Scan# 1599

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

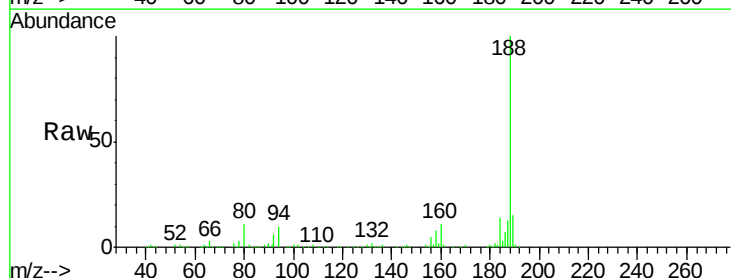
Tgt Ion:188 Resp: 280113

Ion Ratio Lower Upper

188 100

94 9.7 8.5 12.7

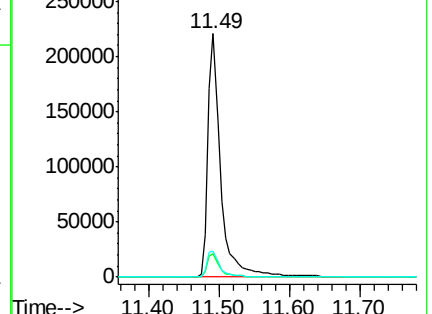
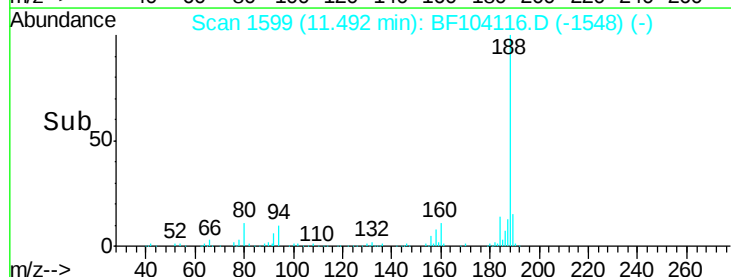
80 10.7 9.2 13.8

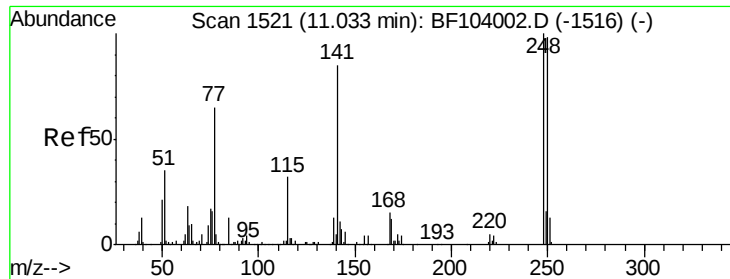


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

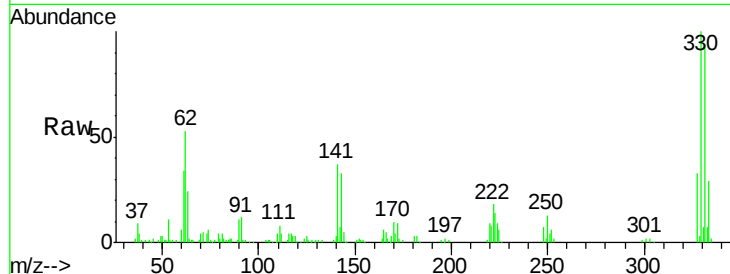




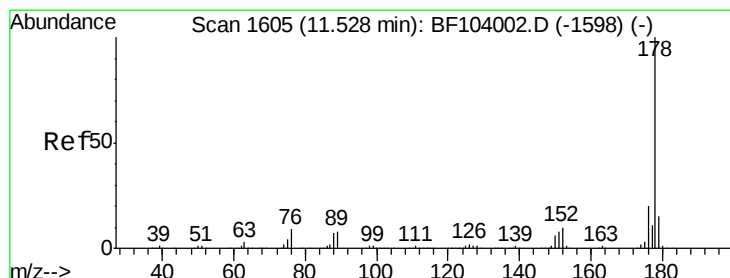
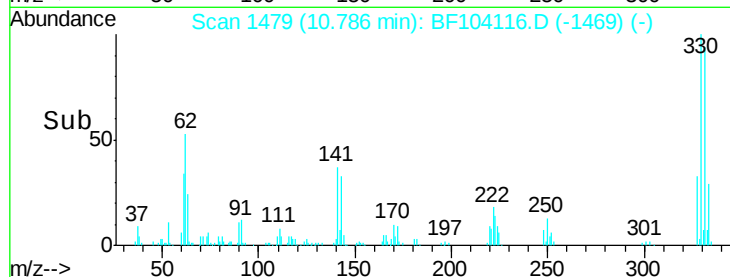
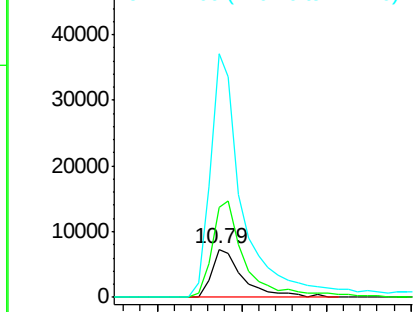
#66
 4-Bromophenyl-phenylether
 Concen: 3.147 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF104116.D
 Acq: 31 Mar 2018 1:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9430
 Ion Ratio Lower Upper
 248 100
 250 186.5 76.9 115.3#
 141 507.7 74.4 111.6#

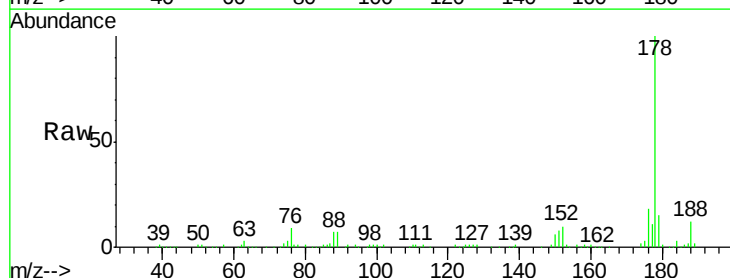


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

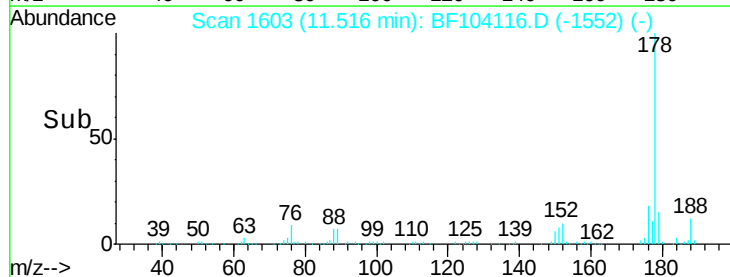
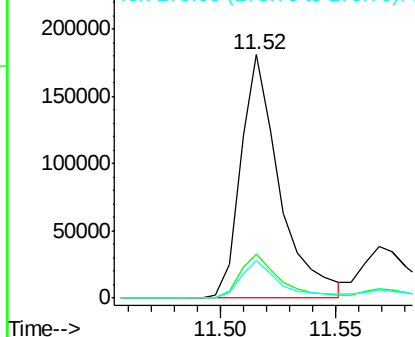


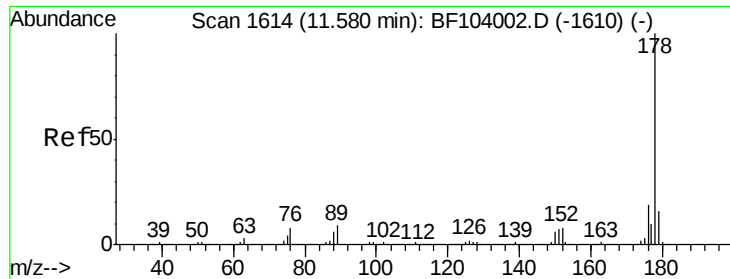
#70
 Phenanthrene
 Concen: 13.934 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF104116.D
 Acq: 31 Mar 2018 1:44

Tgt Ion:178 Resp: 211313
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.8 23.8
 179 15.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

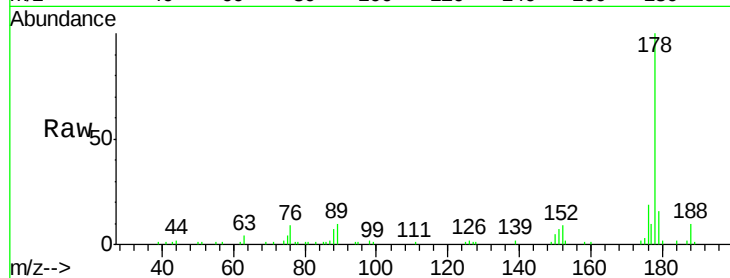




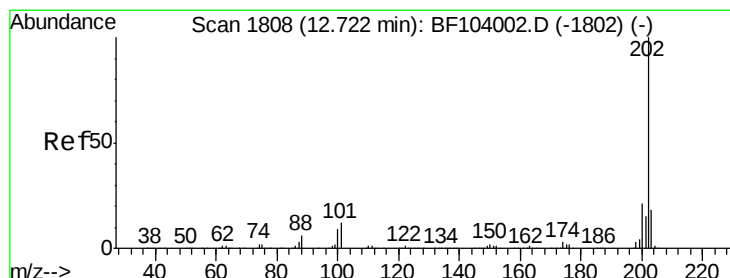
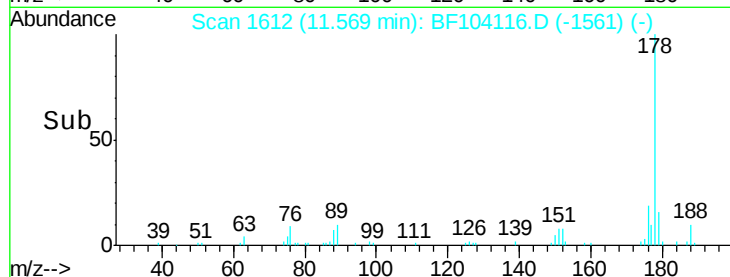
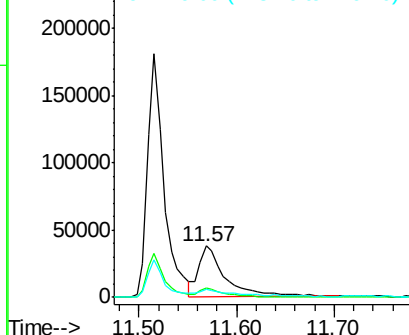
#71
 Anthracene
 Concen: 4.600 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BF104116.D
 Acq: 31 Mar 2018 1:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 72873
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 16.1 12.6 19.0

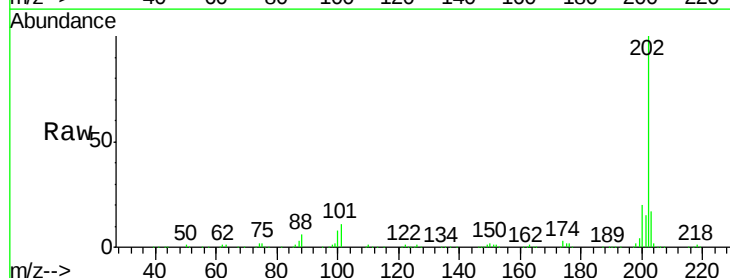


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

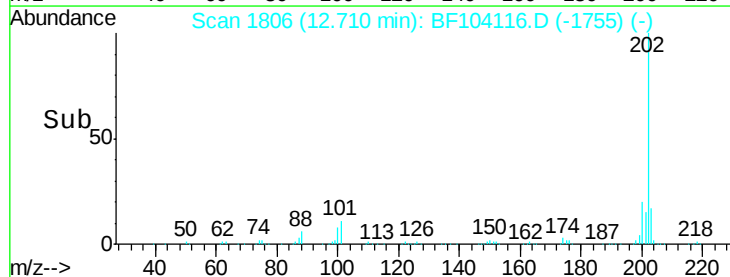
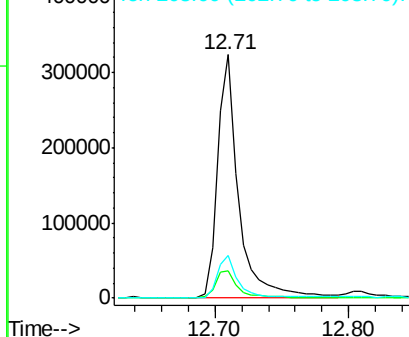


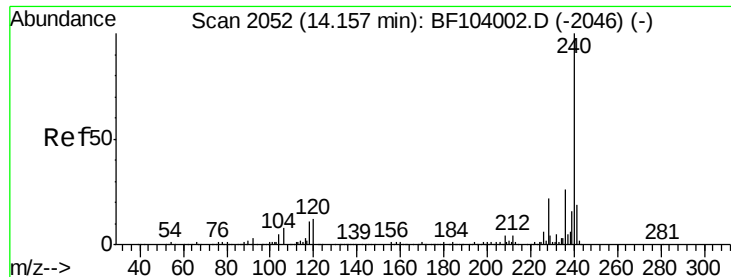
#74
 Fluoranthene
 Concen: 22.402 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BF104116.D
 Acq: 31 Mar 2018 1:44

Tgt Ion:202 Resp: 361122
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 34.1
 203 17.4 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: 14.14 min Scan# 2050

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

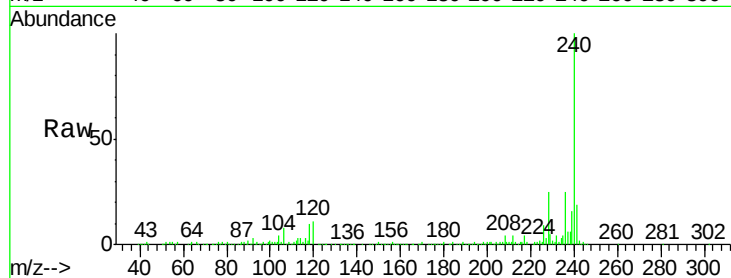
Tot Ion:240 Resp: 217309

Ion Ratio Lower Upper

240 100

120 11.4 9.5 14.3

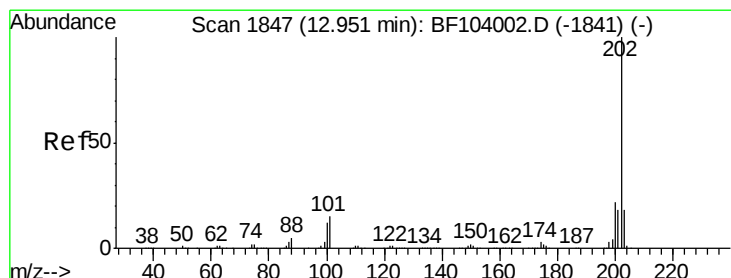
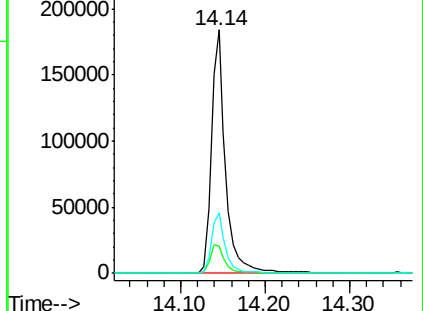
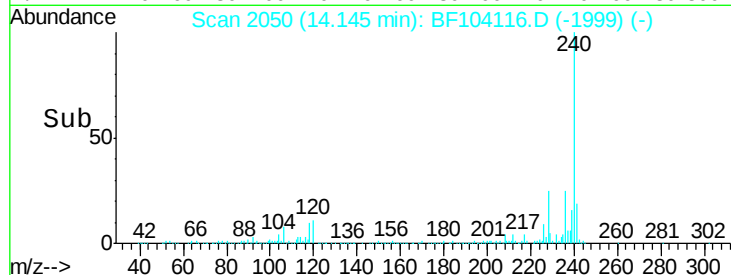
236 25.0 20.7 31.1



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: 19.445 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

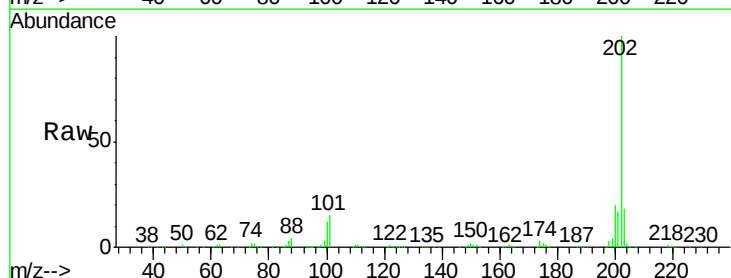
Tgt Ion:202 Resp: 303752

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

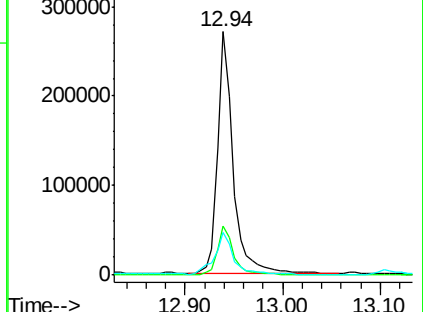
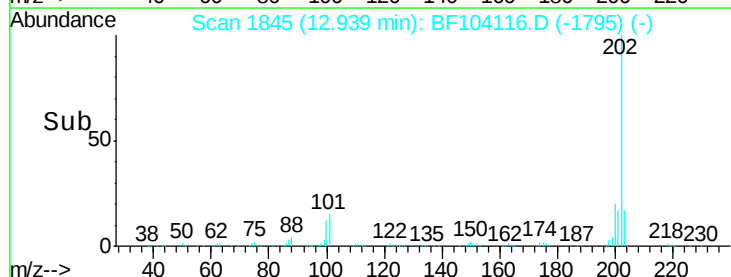
203 17.7 14.3 21.5

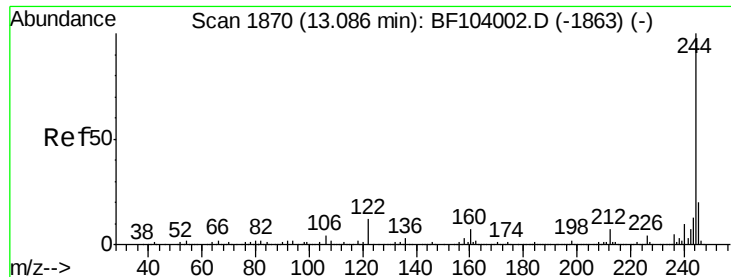


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.225 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

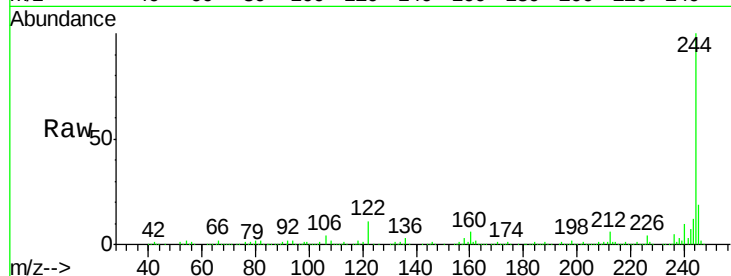
Tot Ion:244 Resp: 566812

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

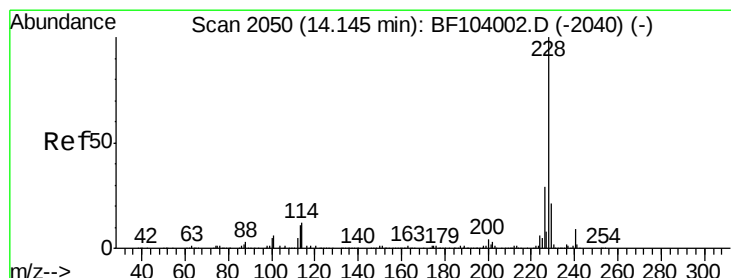
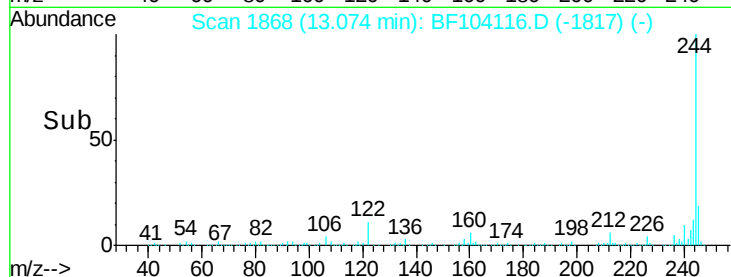
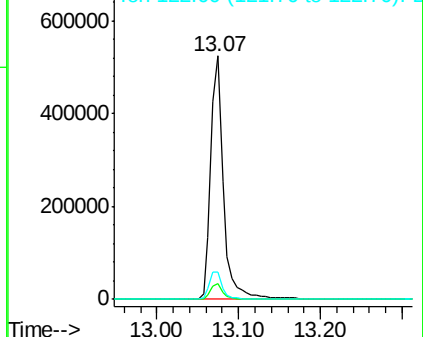
122 11.4 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 12.295 ng

RT: 14.13 min Scan# 2048

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

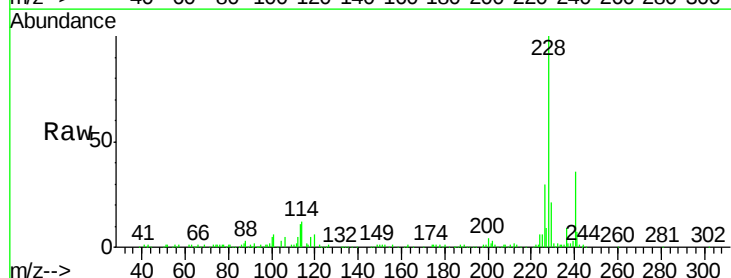
Tgt Ion:228 Resp: 167185

Ion Ratio Lower Upper

228 100

226 30.2 22.6 33.8

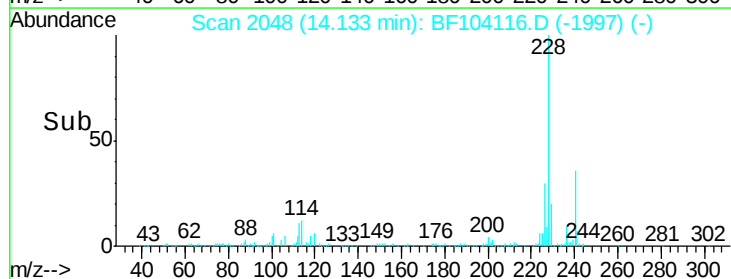
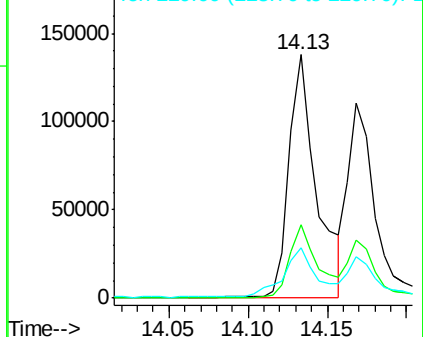
229 20.8 15.8 23.6

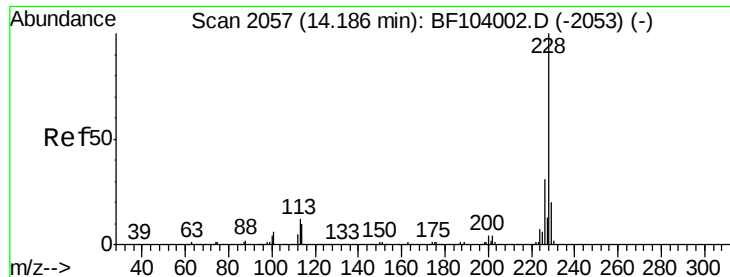


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.816 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.01 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

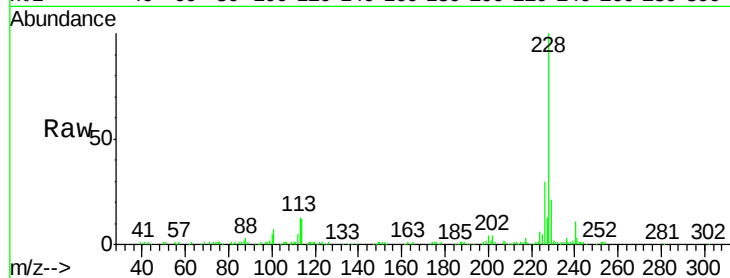
Tot Ion:228 Resp: 130723

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.6

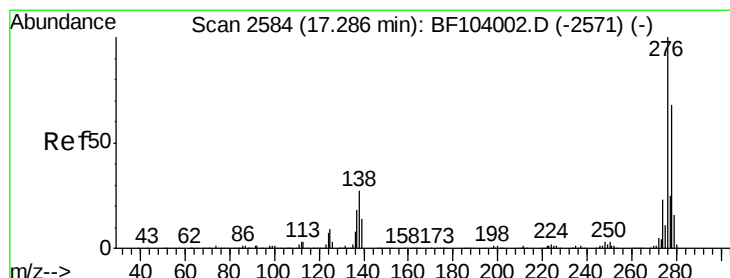
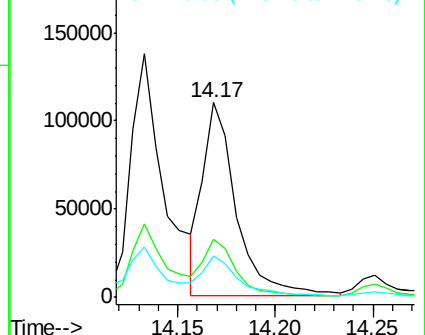
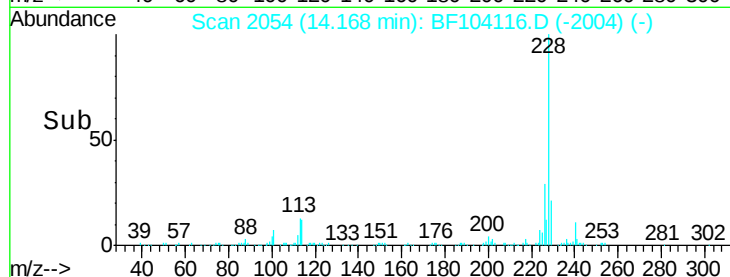
229 21.5 16.2 24.4



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: 4.158 ng

RT: 17.26 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

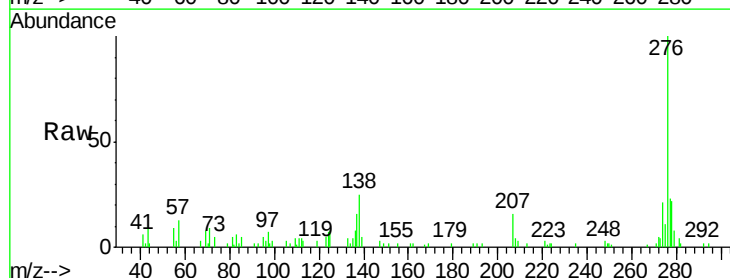
Tgt Ion:276 Resp: 57390

Ion Ratio Lower Upper

276 100

138 22.2 25.0 37.6#

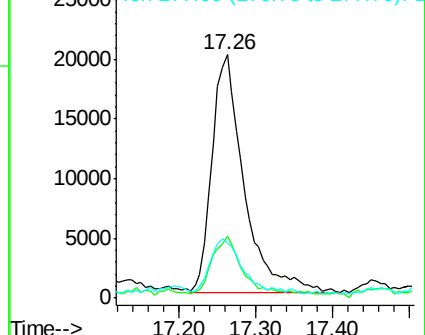
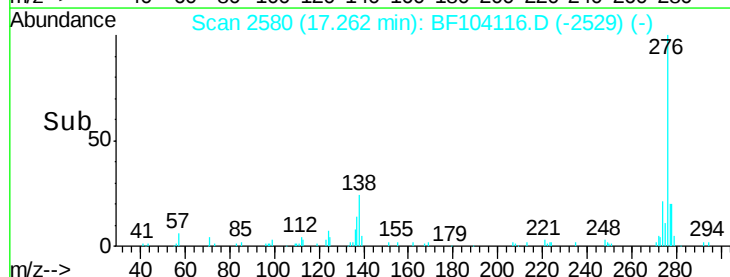
277 22.1 20.1 30.1

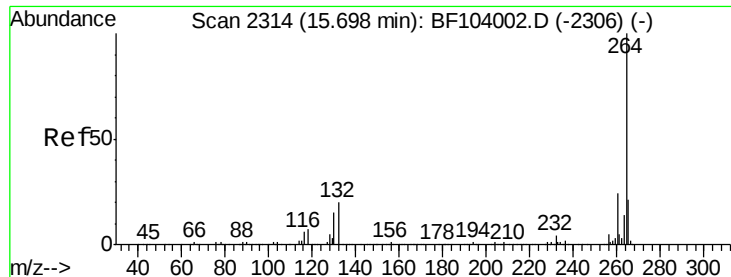


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2311

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

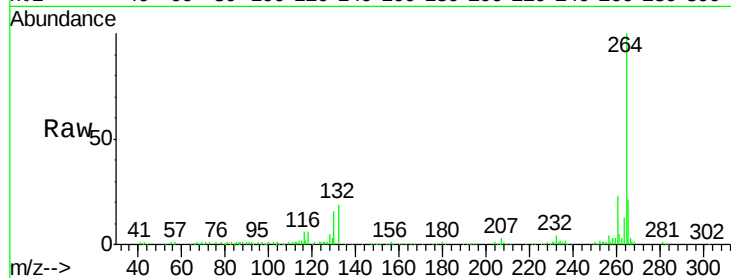
Tot Ion:264 Resp: 186485

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

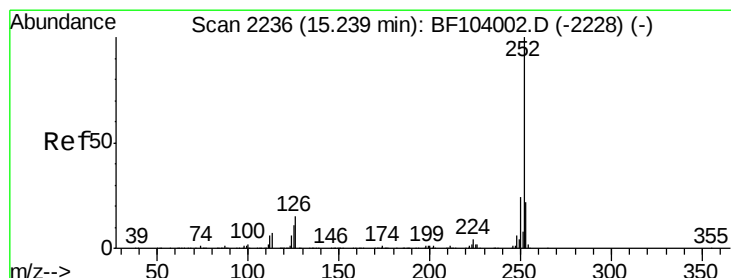
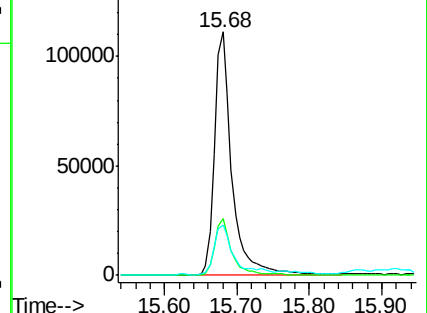
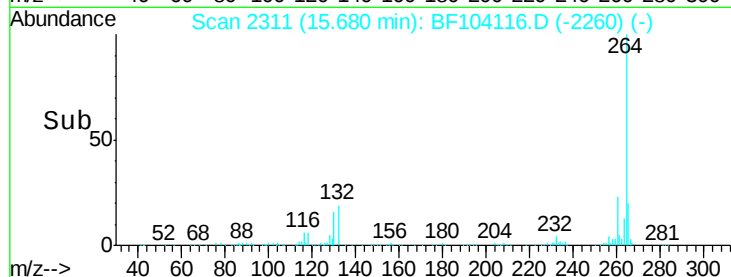
265 20.7 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 18.441 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

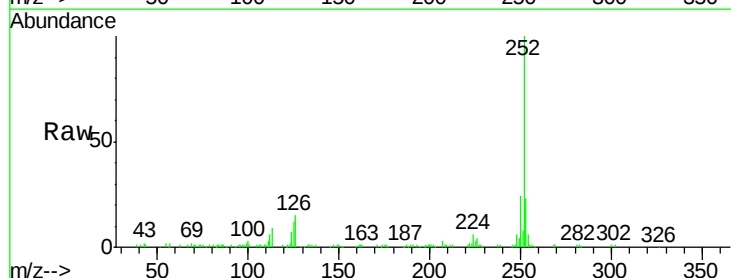
Tgt Ion:252 Resp: 209287

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.6

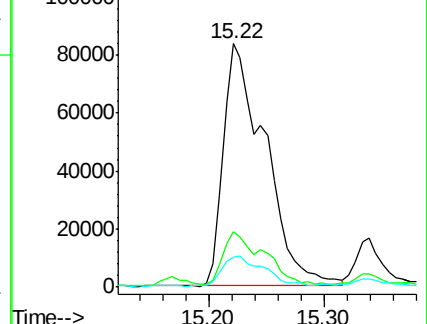
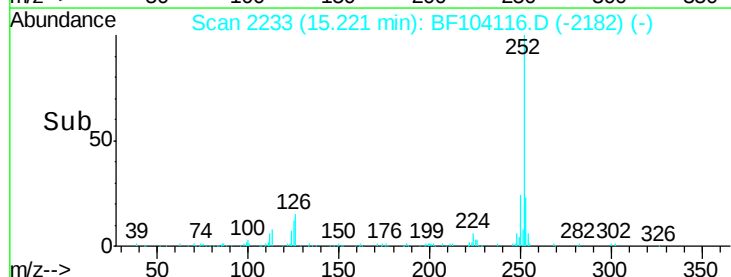
125 12.5 9.0 13.6

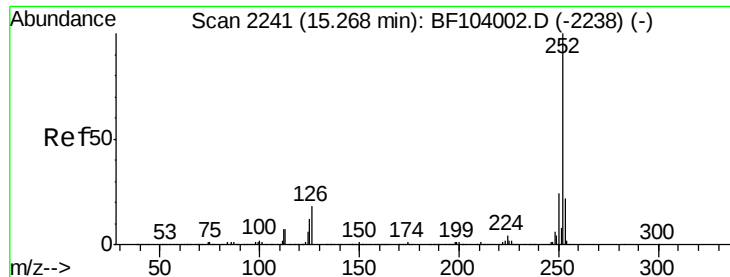


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 19.576 ng

RT: 15.22 min Scan# 2233

Delta R.T. -0.04 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

Instrument :

BNA_F

ClientSampleId :

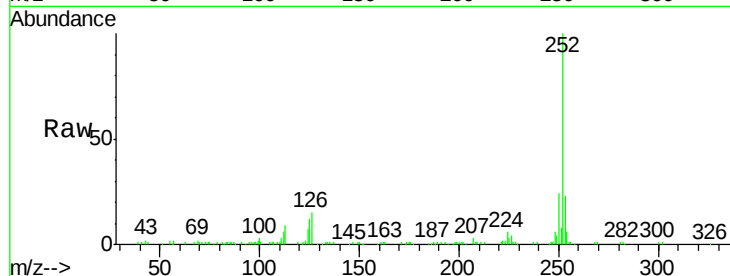
Tot Ion:252 Resp: 209287

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

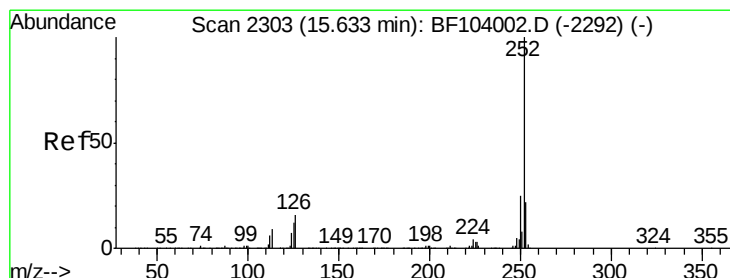
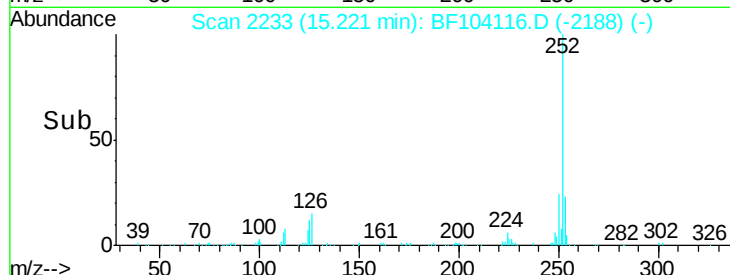
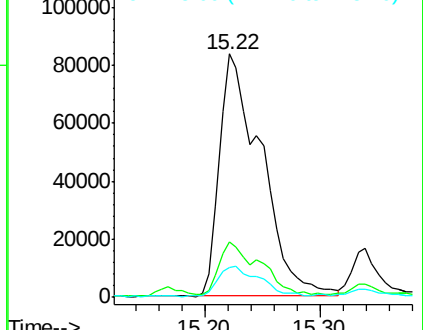
125 12.5 10.2 15.2



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: 10.318 ng

RT: 15.62 min Scan# 2300

Delta R.T. 0.00 min

Lab File: BF104116.D

Acq: 31 Mar 2018 1:44

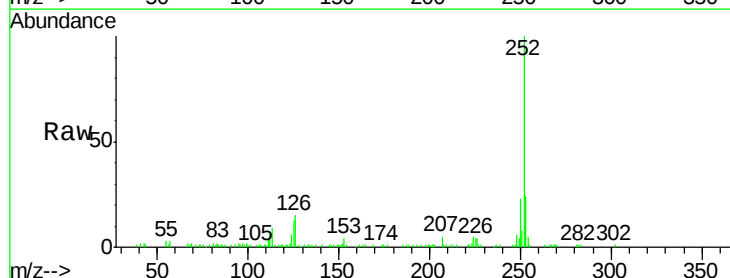
Tgt Ion:252 Resp: 108516

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

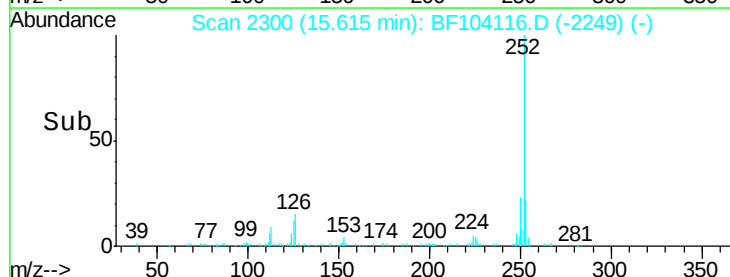
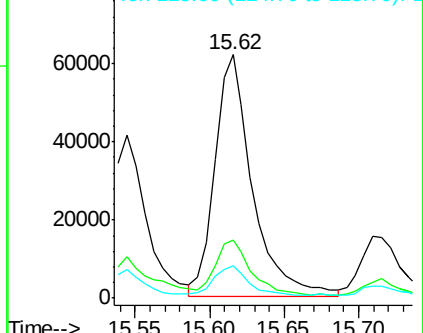
125 13.4 9.8 14.6

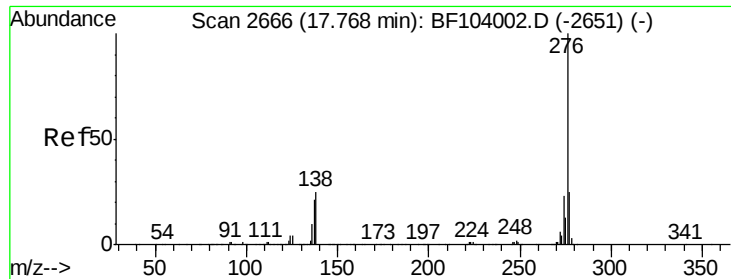


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 5.105 ng
 RT: 17.74 min Scan# 2661
 Delta R.T. -0.01 min
 Lab File: BF104116.D
 Acq: 31 Mar 2018 1:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.9	26.9
138	24.5	21.8	32.8

