

Data Path : U:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101914.D
 Acq On : 5 Jan 2018 4:40
 Operator : SJ/JU
 Sample : J1004-20
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 05 06:06:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	138378	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	500234	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	166598	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	265773	20.00	ng	0.00
75) Chrysene-d12	13.96	240	260241	20.00	ng	0.00
86) Perylene-d12	15.43	264	177031	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1000191	107.67	ng	0.00
7) Phenol-d6	6.42	99	1148722	99.36	ng	0.00
23) Nitrobenzene-d5	7.35	82	709498	78.95	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	126073	78.54	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	792163	73.76	ng	0.00
78) Terphenyl-d14	12.88	244	596279	55.24	ng	0.00

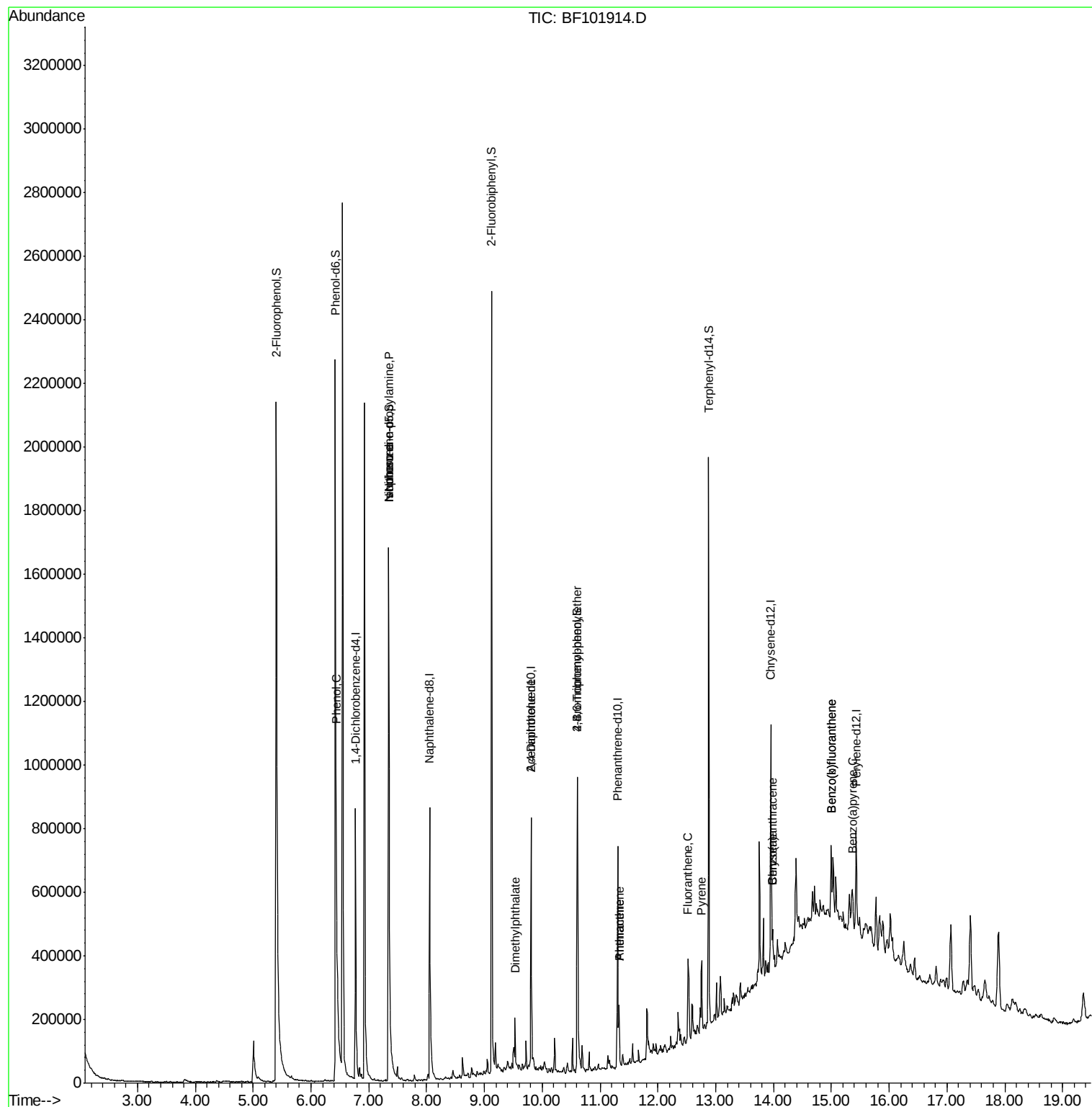
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.44	94	51214	3.887	ng	# 53
19) n-Nitroso-di-n-propylamine	7.35	70	94926	12.502	ng	# 85
25) Isophorone	7.35	82	709498	39.357	ng	# 64
49) Dimethylphthalate	9.53	163	71211	5.314	ng	99
56) 2,4-Dinitrotoluene	9.80	165	22883	7.457	ng	# 23
66) 4-Bromophenyl-phenylether	10.61	248	8841	2.961	ng	# 1
70) Phenanthrene	11.33	178	65351	4.422	ng	97
71) Anthracene	11.33	178	65351	4.329	ng	98
74) Fluoranthene	12.52	202	100863	6.502	ng	98
77) Pyrene	12.76	202	89297	4.572	ng	100
80) Benzo(a)anthracene	13.99	228	49478	2.879	ng	94
82) Chrysene	13.99	228	49478	3.049	ng	98
87) Benzo(b)fluoranthene	15.01	252	65973	6.114	ng	# 85
88) Benzo(k)fluoranthene	15.01	252	65973	6.288	ng	# 88
89) Benzo(a)pyrene	15.37	252	30796	3.096	ng	# 87

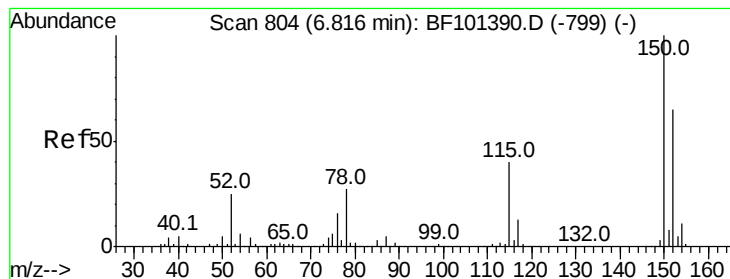
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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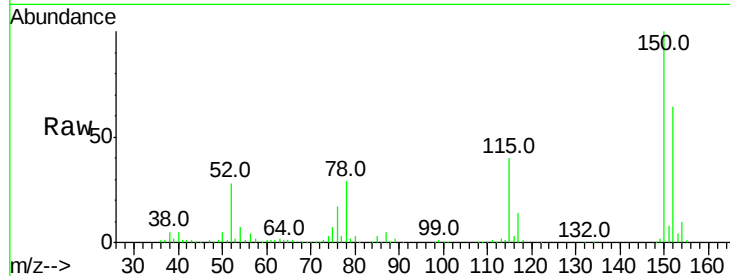


#1

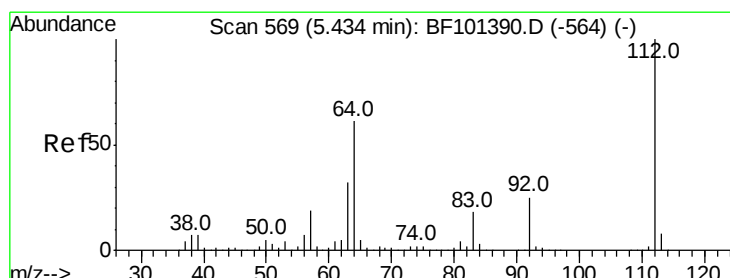
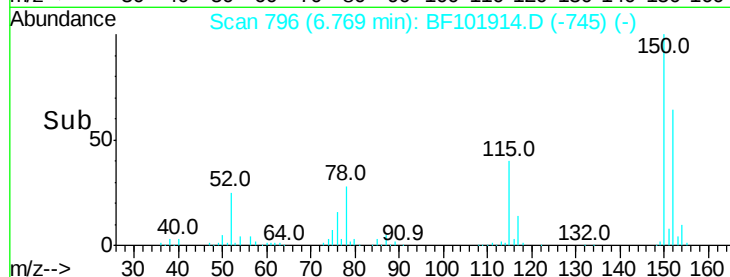
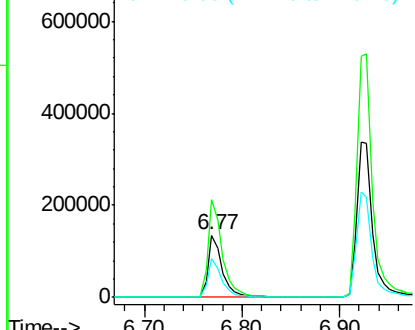
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138378
Ion Ratio Lower Upper
152 100
150 156.5 124.6 186.8
115 61.8 50.1 75.1



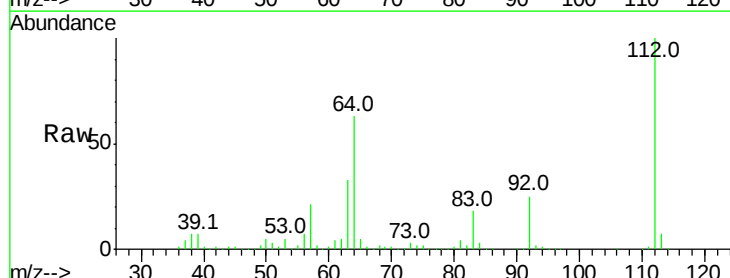
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



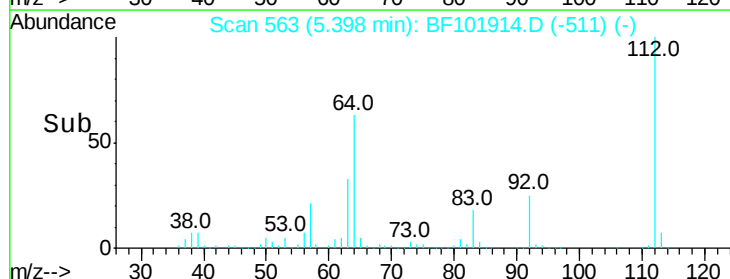
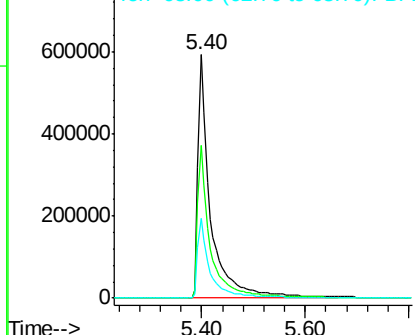
#5

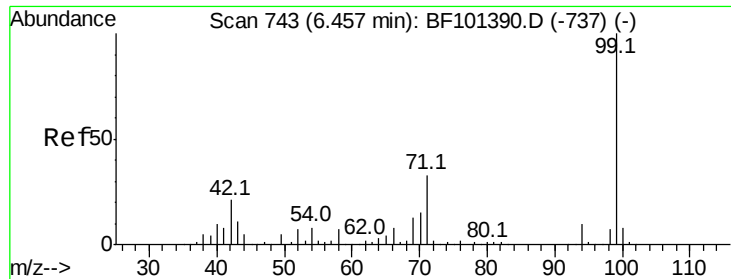
2-Fluorophenol
Concen: 107.666 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Tgt Ion:112 Resp: 1000191
Ion Ratio Lower Upper
112 100
64 62.9 47.9 71.9
63 32.8 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: 99.358 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

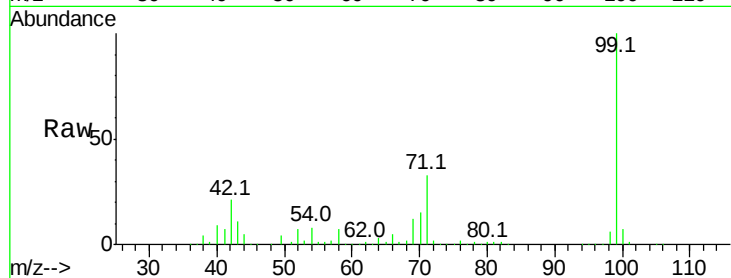
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1148722

Ion	Ratio	Lower	Upper
99	100		
42	21.0	14.5	21.7
71	33.1	25.4	38.0

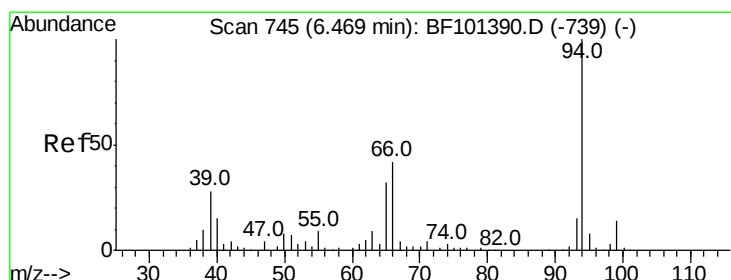
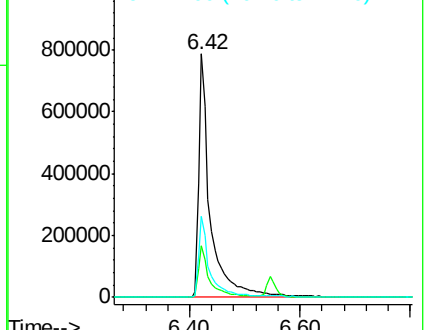
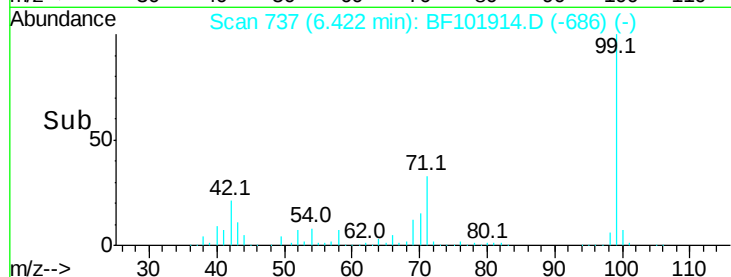


Abundance

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



#10

Phenol

Concen: 3.887 ng

RT: 6.44 min Scan# 740

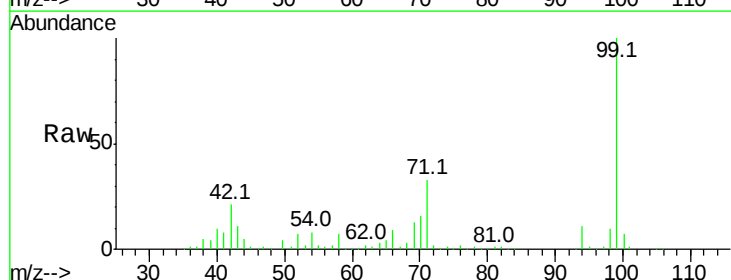
Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Tgt Ion: 94 Resp: 51214

Ion	Ratio	Lower	Upper
94	100		
65	39.2	7.9	47.9
66	75.8	16.2	56.2

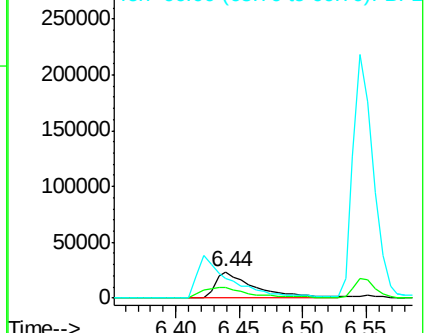
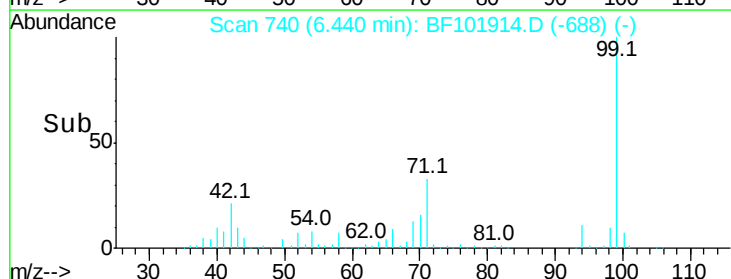


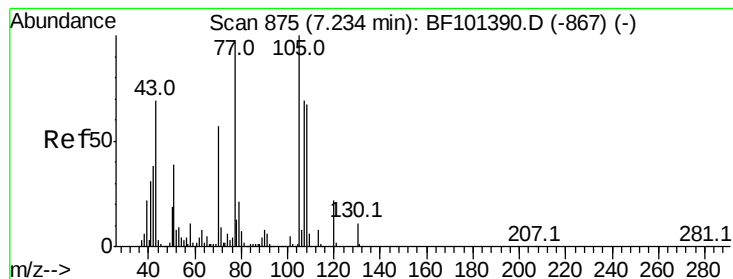
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.502 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.16 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 94926

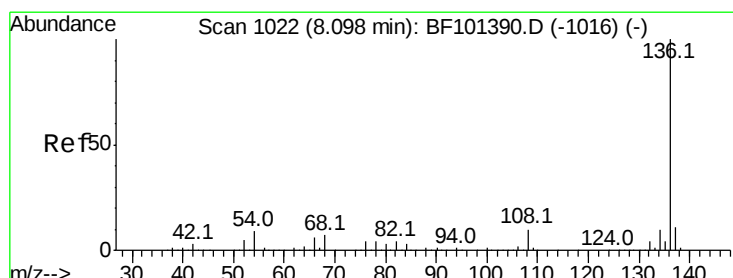
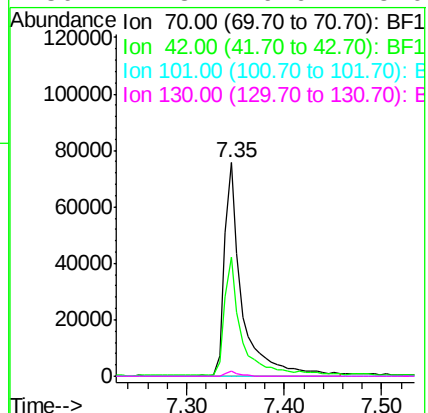
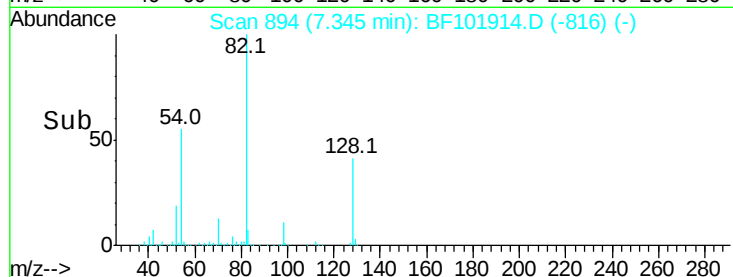
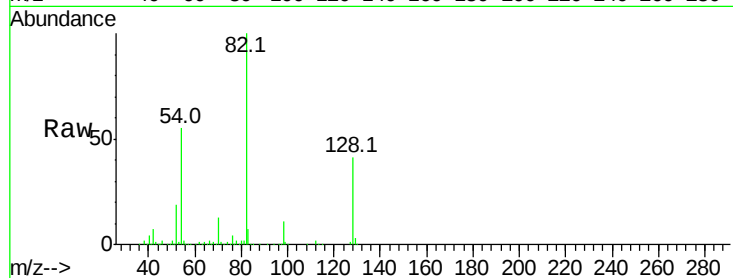
Ion Ratio Lower Upper

70 100

42 55.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Tgt Ion: 136 Resp: 500234

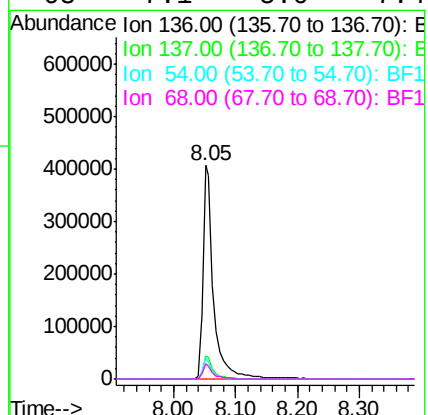
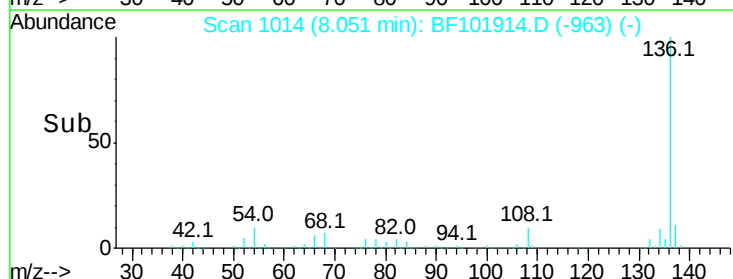
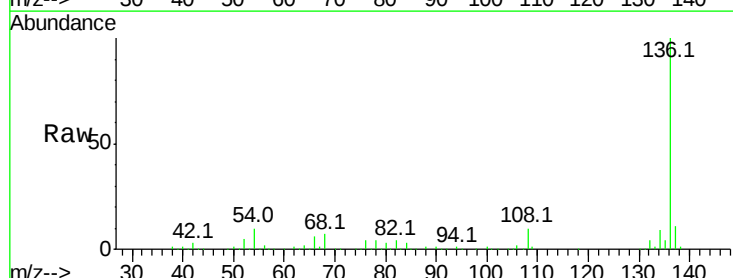
Ion Ratio Lower Upper

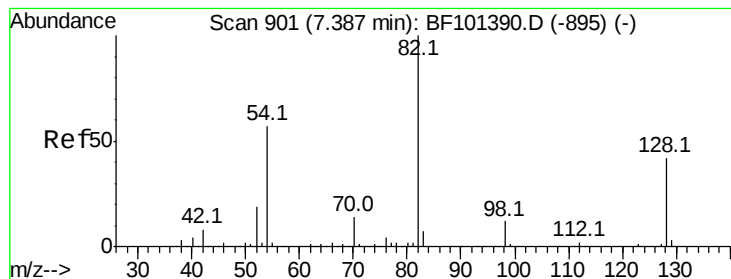
136 100

137 11.1 8.9 13.3

54 10.3 6.6 9.8#

68 7.1 5.0 7.4





#23

Nitrobenzene-d5

Concen: 78.953 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampled :

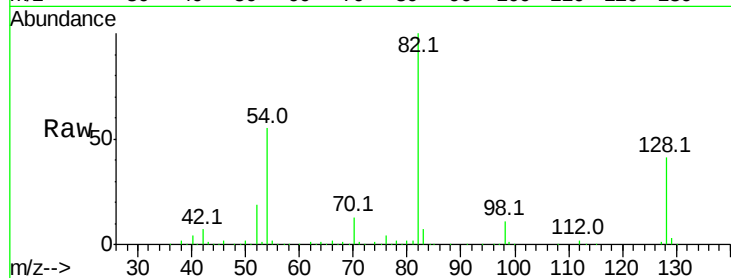
Tot Ion: 82 Resp: 709498

Ion Ratio Lower Upper

82 100

128 41.3 36.1 54.1

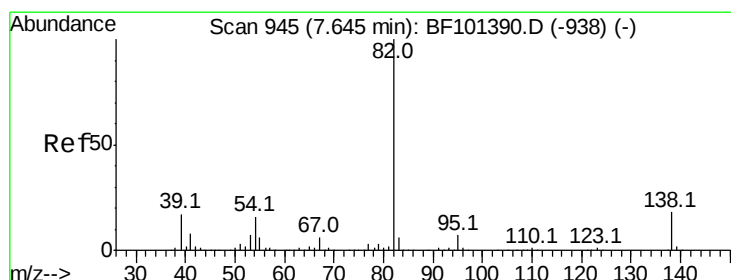
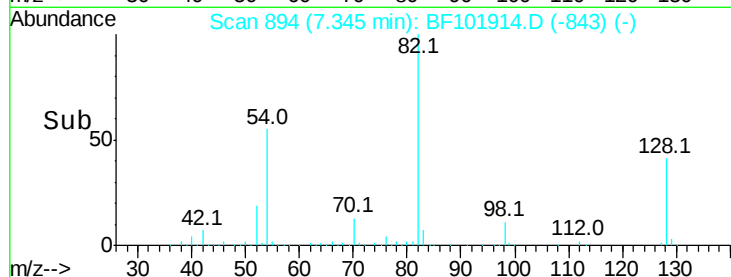
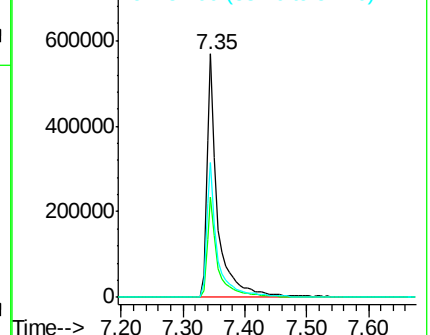
54 55.2 41.4 62.2



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: 39.357 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.25 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

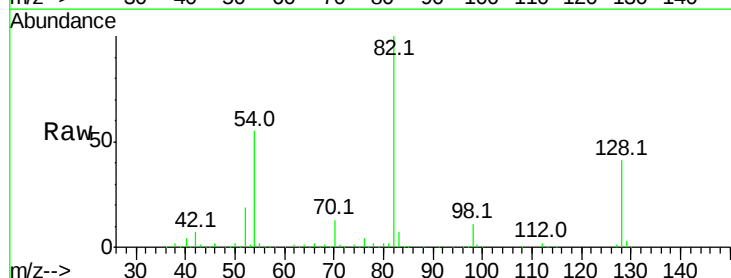
Tgt Ion: 82 Resp: 709498

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

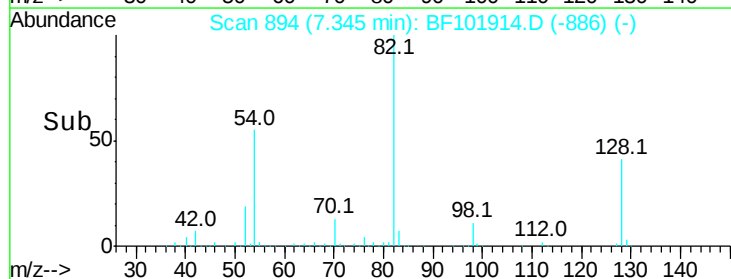
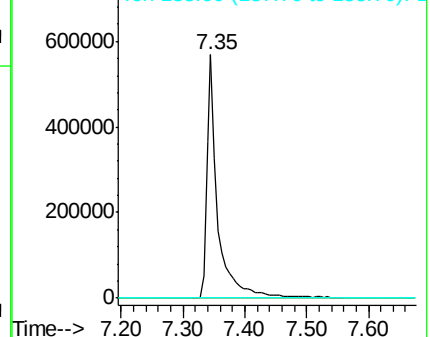
138 0.0 14.9 22.3#

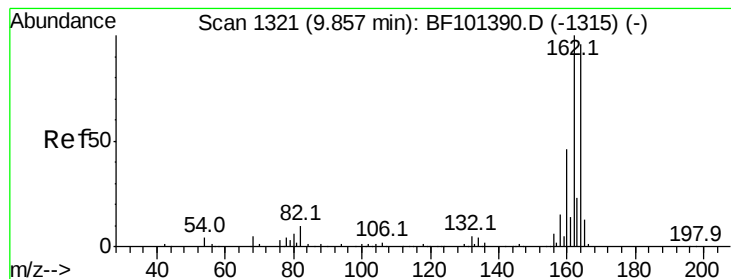


Abundance Ion 82.00 (81.70 to 82.70): BF1

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: 9.80 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampleId :

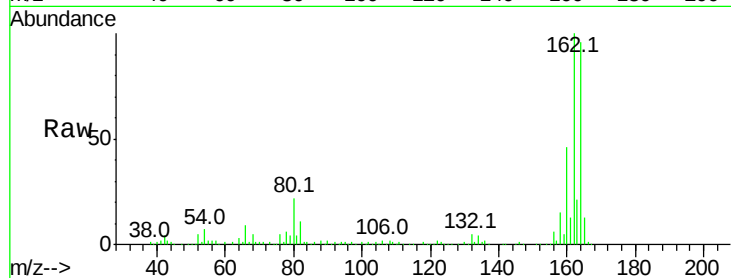
Tot Ion:164 Resp: 166598

Ion Ratio Lower Upper

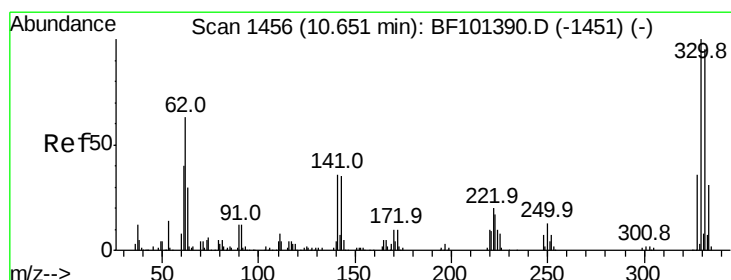
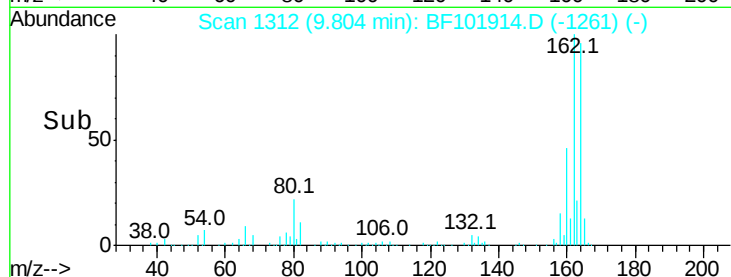
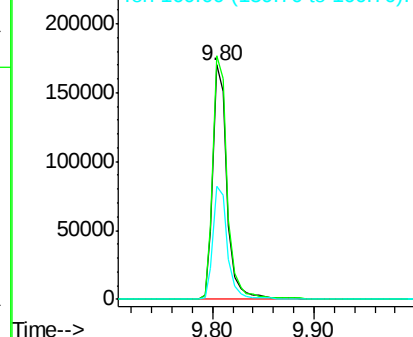
164 100

162 104.0 86.1 129.1

160 48.1 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: 78.535 ng

RT: 10.61 min Scan# 1449

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

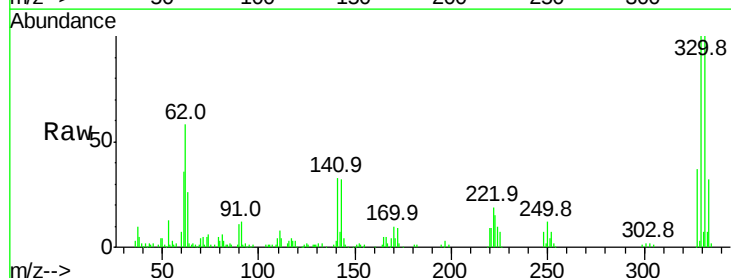
Tgt Ion:330 Resp: 126073

Ion Ratio Lower Upper

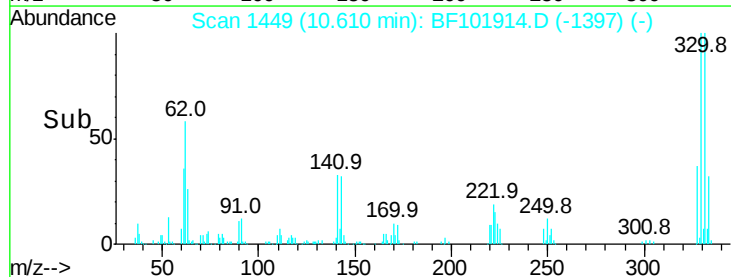
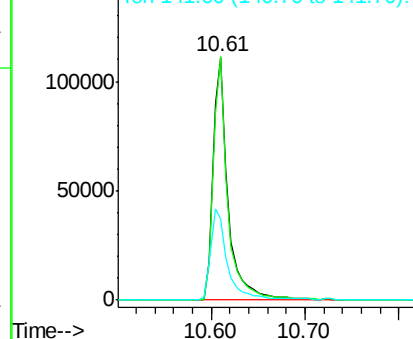
330 100

332 96.1 77.0 115.6

141 41.4 29.9 44.9



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

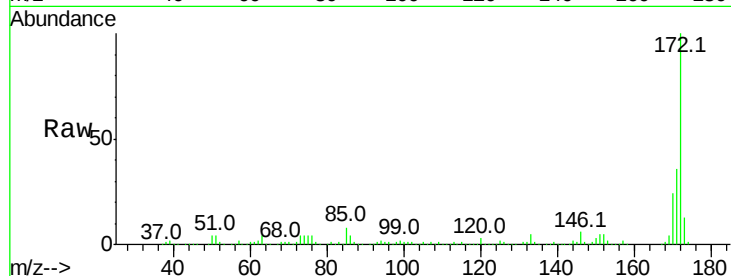




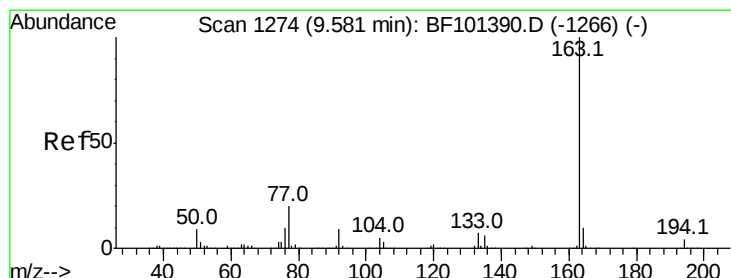
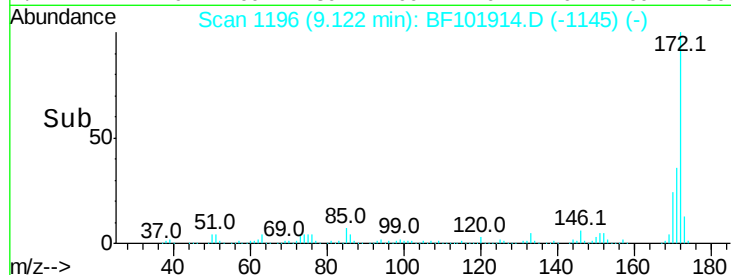
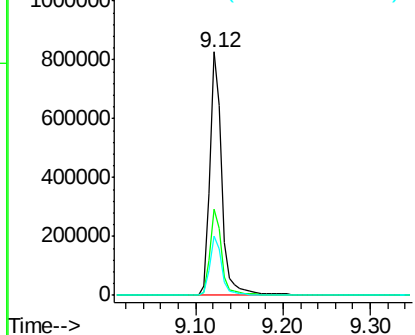
#44
2-Fluorobiphenyl
Concen: 73.761 ng
RT: 9.12 min Scan# 1196
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 792163
Ion Ratio Lower Upper
172 100
171 35.6 29.7 44.5
170 24.4 19.6 29.4

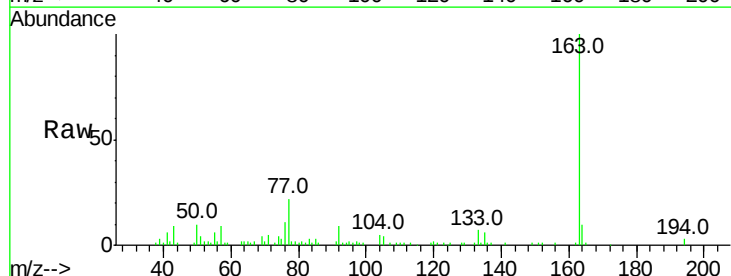


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

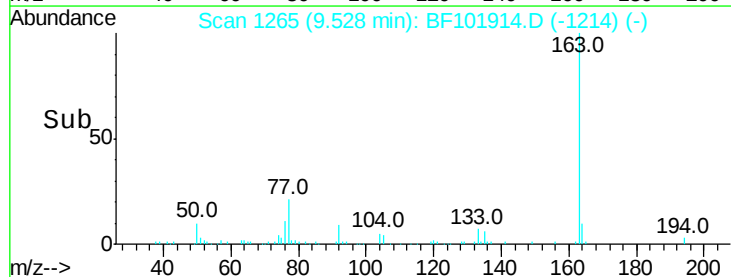
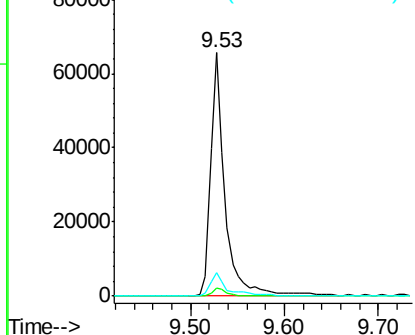


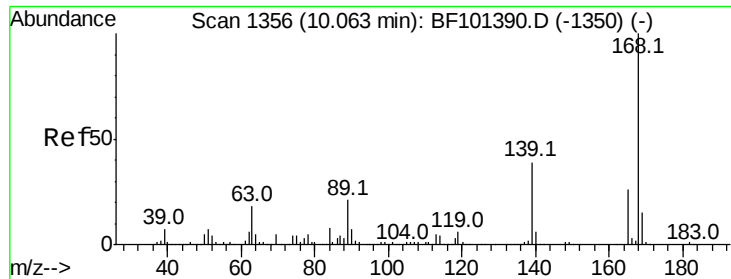
#49
Dimethylphthalate
Concen: 5.314 ng
RT: 9.53 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Tgt Ion:163 Resp: 71211
Ion Ratio Lower Upper
163 100
194 3.2 2.7 4.1
164 9.7 8.2 12.2



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

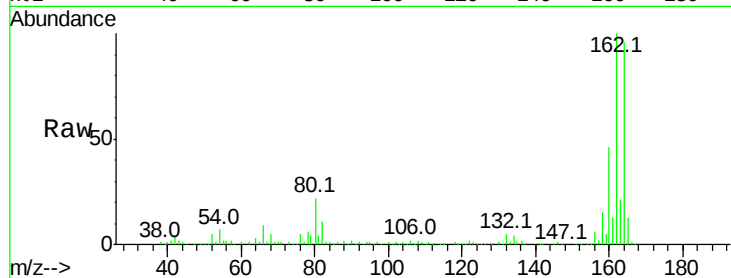




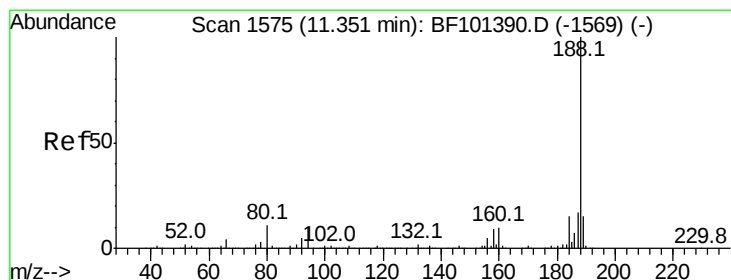
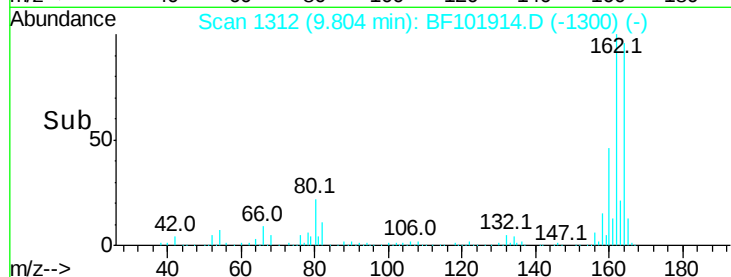
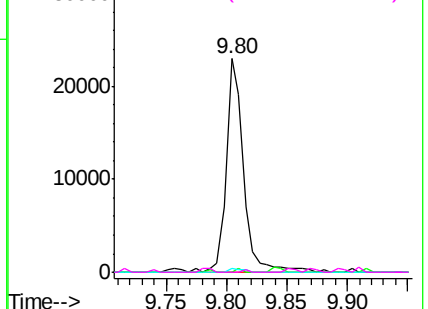
#56
2,4-Dinitrotoluene
Concen: 7.457 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.23 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165 Resp: 22883
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 1.7 57.8 86.6#
182 0.0 1.6 2.4#

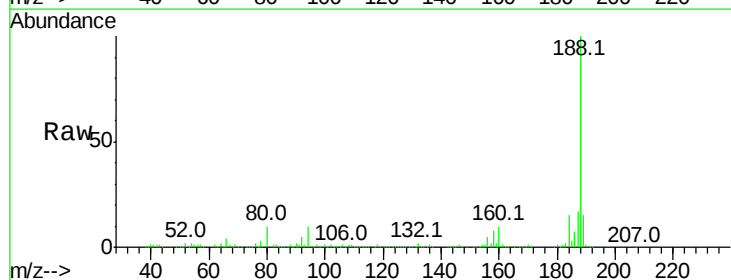


Abundance Ion 165.00 (164.70 to 165.70): E

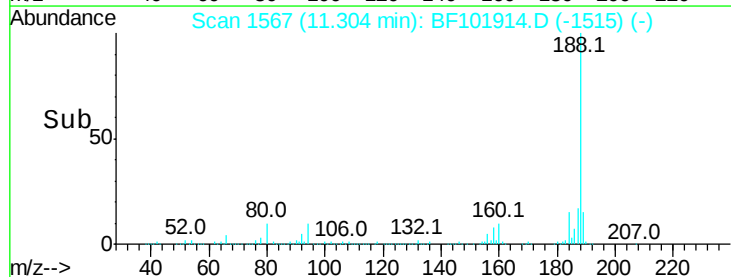
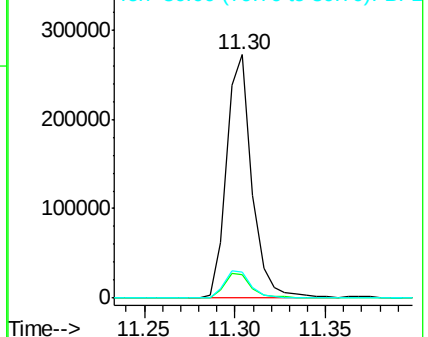


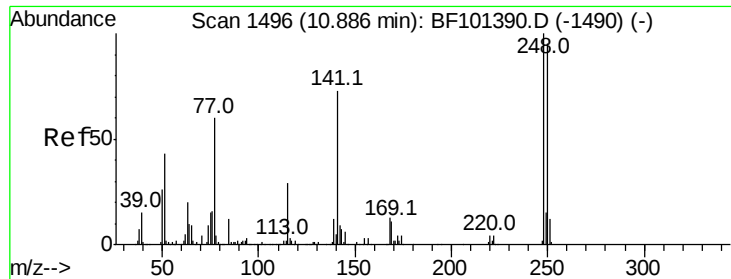
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Tgt Ion:188 Resp: 265773
Ion Ratio Lower Upper
188 100
94 9.7 8.5 12.7
80 10.4 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

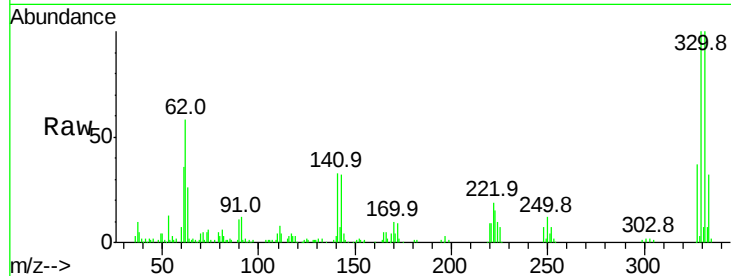




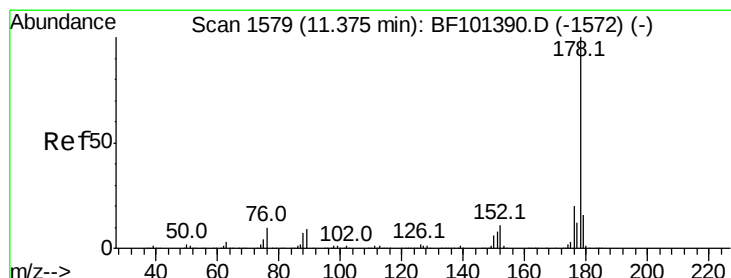
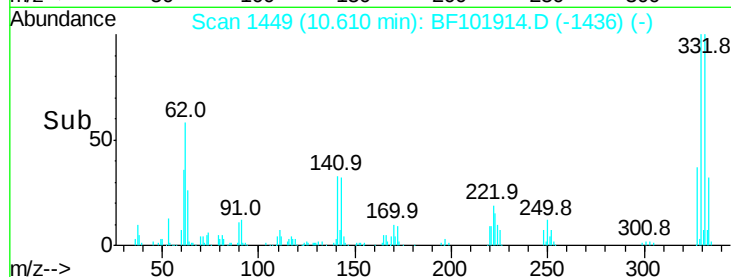
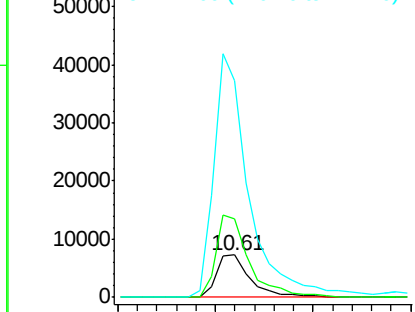
#66
 4-Bromophenyl-phenylether
 Concen: 2.961 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.22 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 8841
 Ion Ratio Lower Upper
 248 100
 250 185.5 76.9 115.3#
 141 508.0 74.4 111.6#

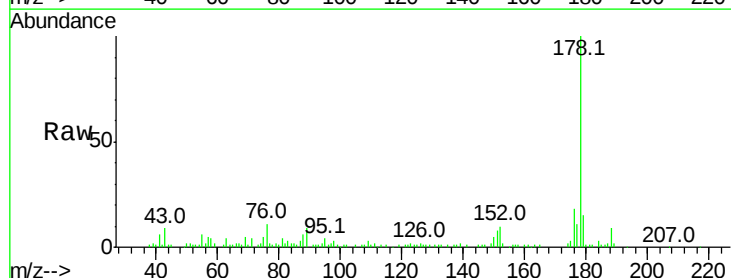


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

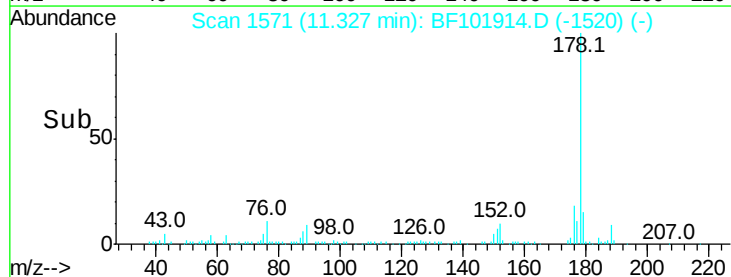
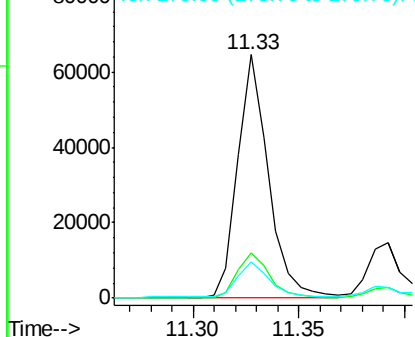


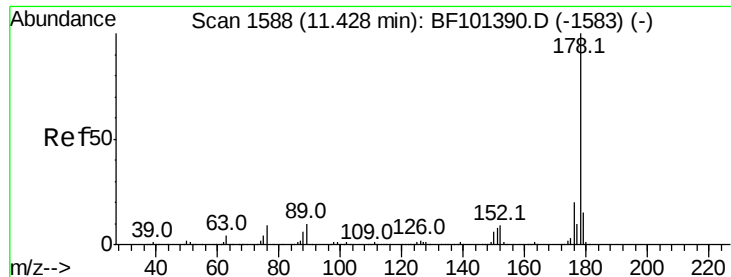
#70
 Phenanthrene
 Concen: 4.422 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

Tgt Ion:178 Resp: 65351
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 14.7 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

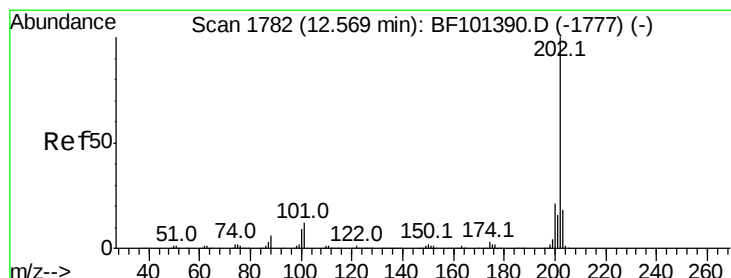
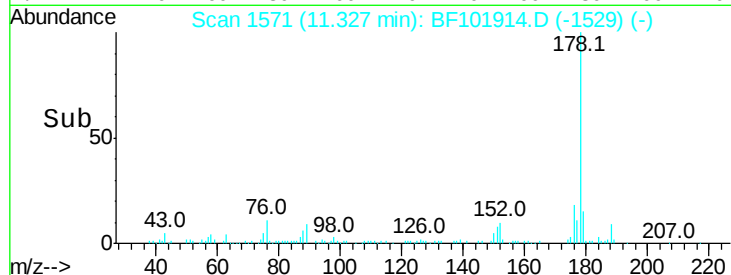
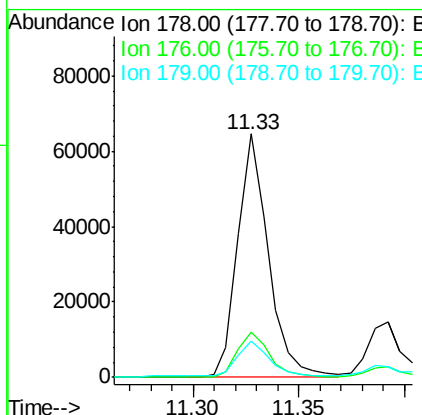
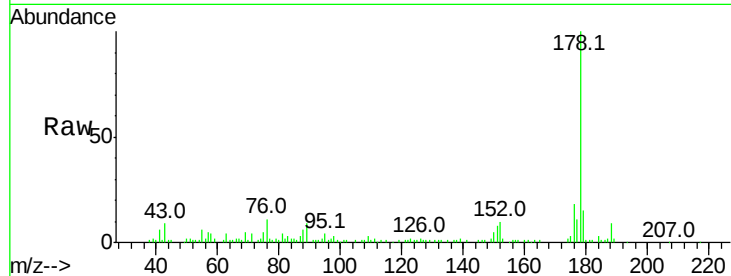




#71
 Anthracene
 Concen: 4.329 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.05 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

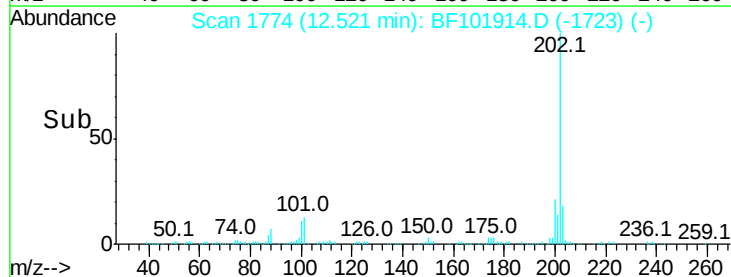
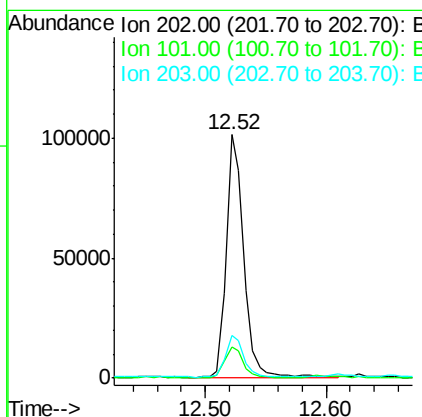
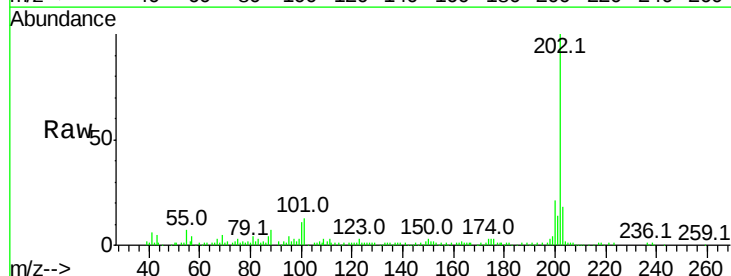
Instrument :
 BNA_F
 ClientSampleId :

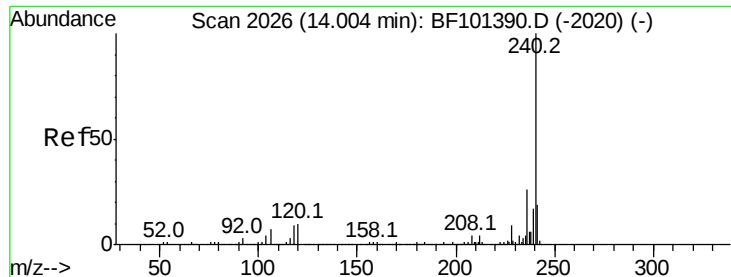
Tot Ion:178 Resp: 65351
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.2
 179 14.7 12.6 19.0



#74
 Fluoranthene
 Concen: 6.502 ng
 RT: 12.52 min Scan# 1774
 Delta R.T. 0.00 min
 Lab File: BF101914.D
 Acq: 5 Jan 2018 4:40

Tgt Ion:202 Resp: 100863
 Ion Ratio Lower Upper
 202 100
 101 12.7 0.0 34.1
 203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampleId :

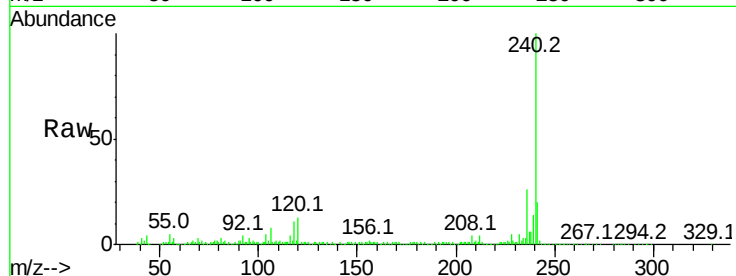
Tot Ion:240 Resp: 260241

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

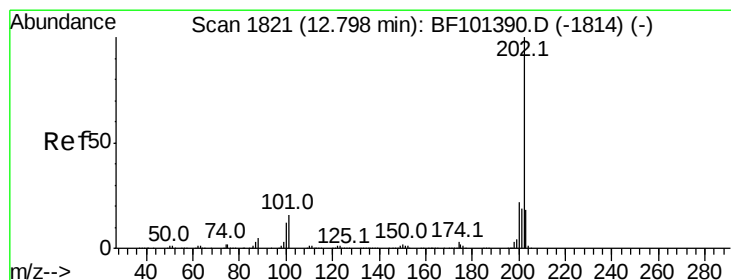
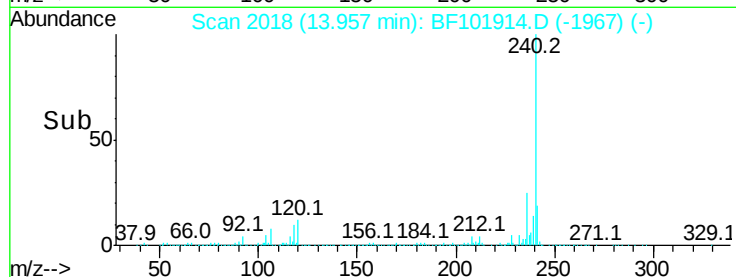
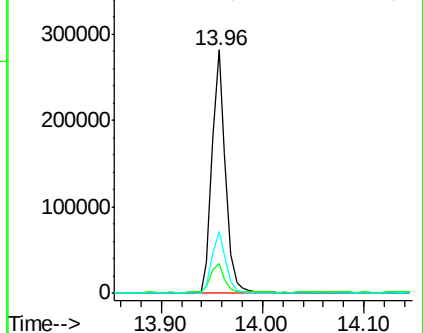
236 25.6 20.7 31.1



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: 4.572 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

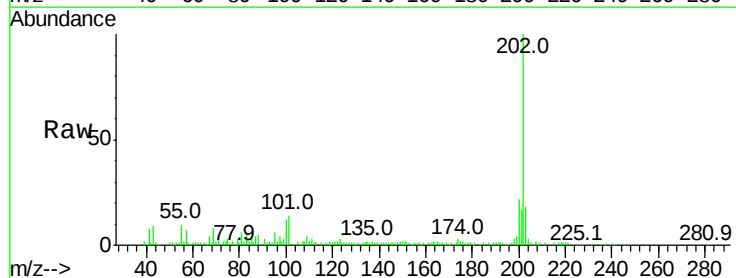
Tgt Ion:202 Resp: 89297

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

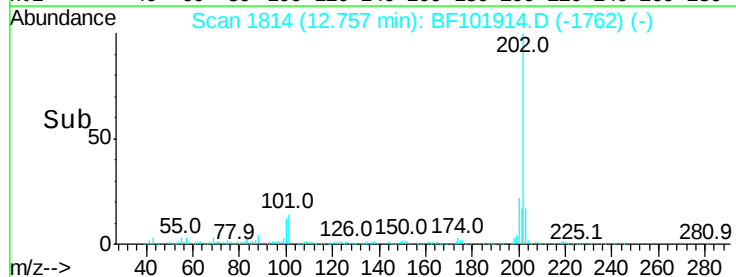
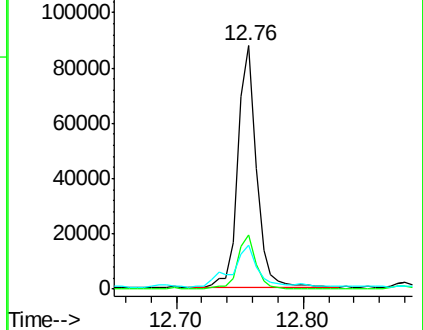
203 17.9 14.3 21.5

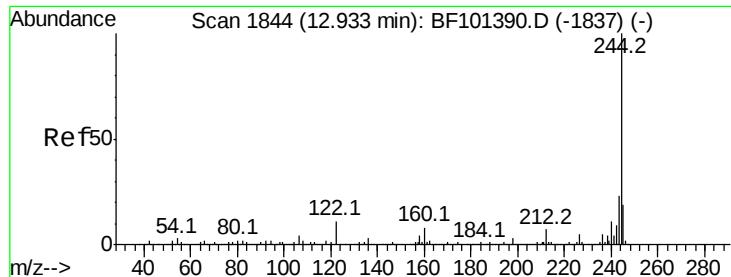


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 55.237 ng

RT: 12.88 min Scan# 1835

Delta R.T. 0.00 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampleId :

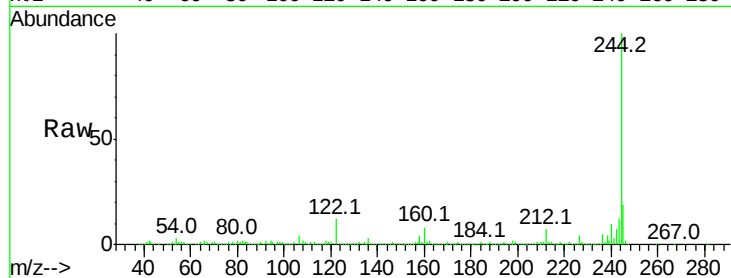
Tot Ion:244 Resp: 596279

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

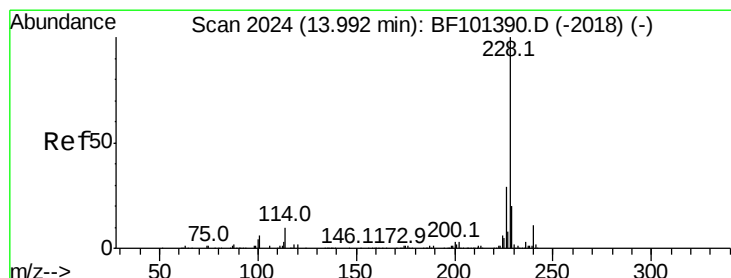
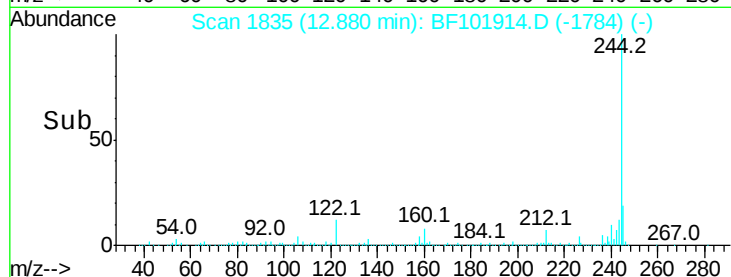
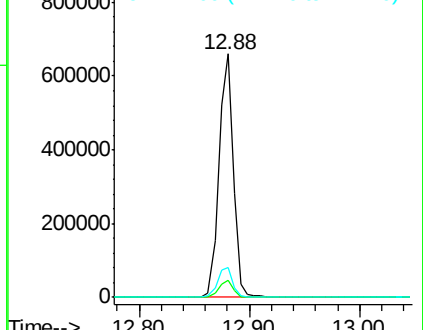
122 12.3 11.0 16.4



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: 2.879 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

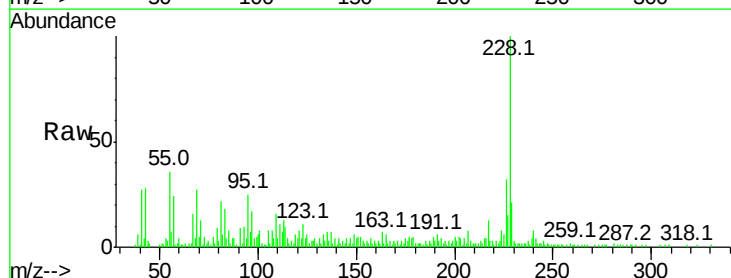
Tgt Ion:228 Resp: 49478

Ion Ratio Lower Upper

228 100

226 32.3 22.6 33.8

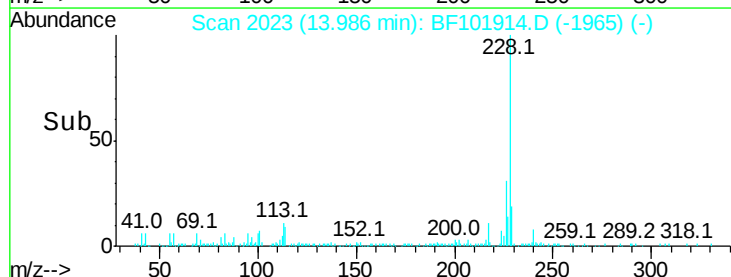
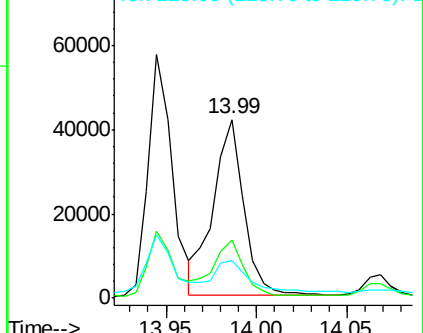
229 21.2 15.8 23.6

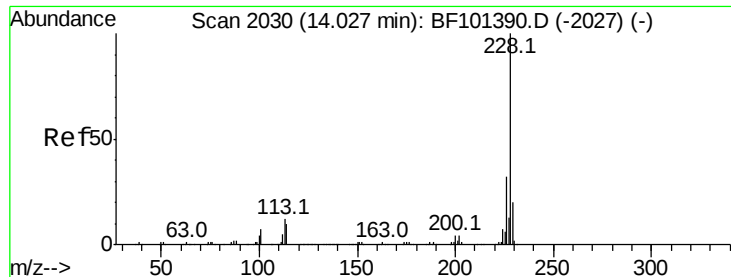


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

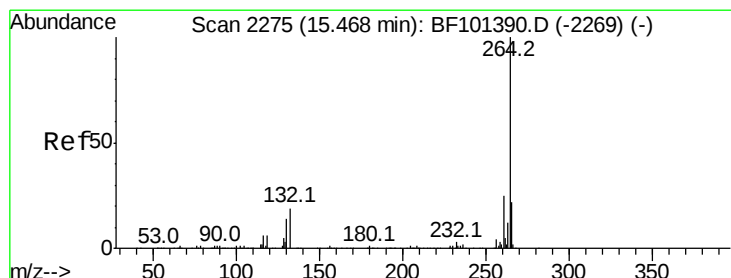
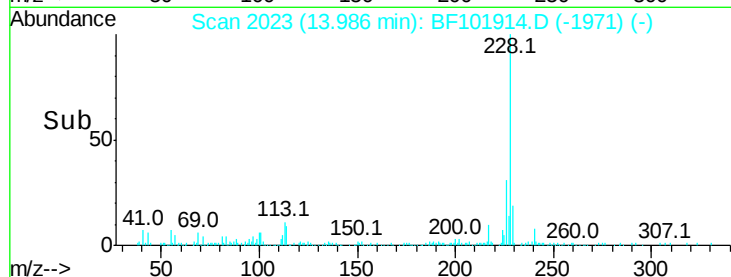
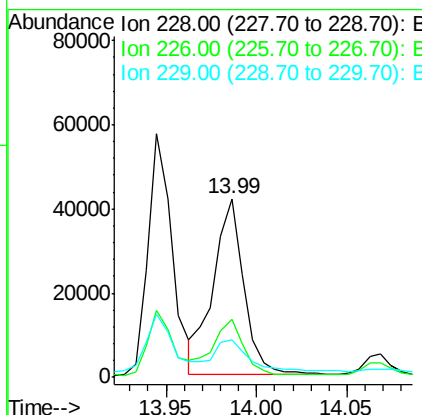
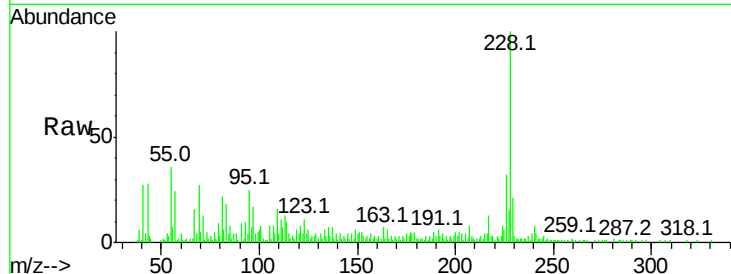




#82
Chrysene
Concen: 3.049 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

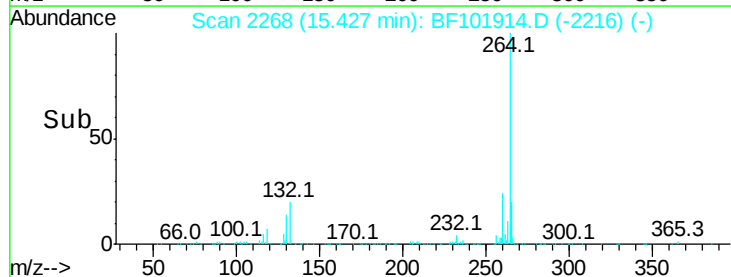
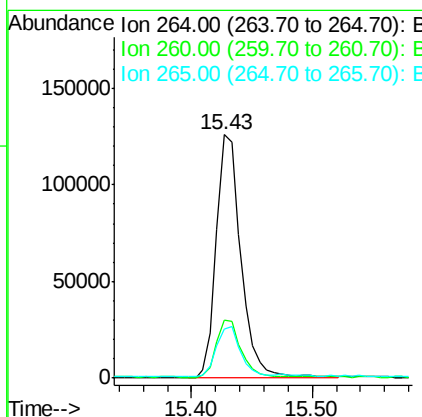
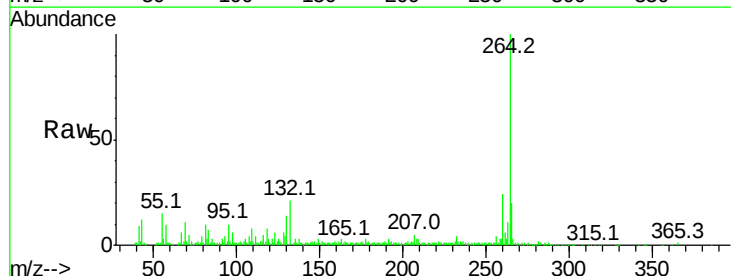
Instrument :
BNA_F
ClientSampleId :

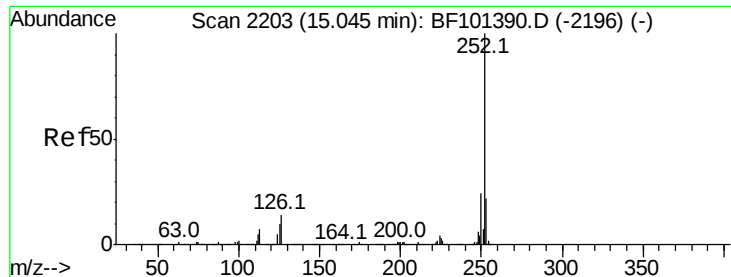
Tot Ion:228 Resp: 49478
Ion Ratio Lower Upper
228 100
226 32.3 25.0 37.6
229 21.2 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101914.D
Acq: 5 Jan 2018 4:40

Tgt Ion:264 Resp: 177031
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 20.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 6.114 ng

RT: 15.01 min Scan# 2197

Delta R.T. 0.02 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampleId :

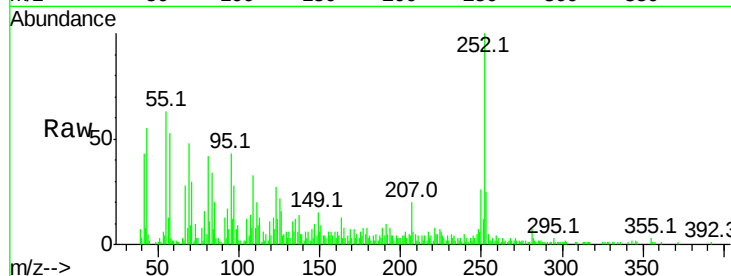
Tot Ion:252 Resp: 65973

Ion Ratio Lower Upper

252 100

253 25.1 17.0 25.6

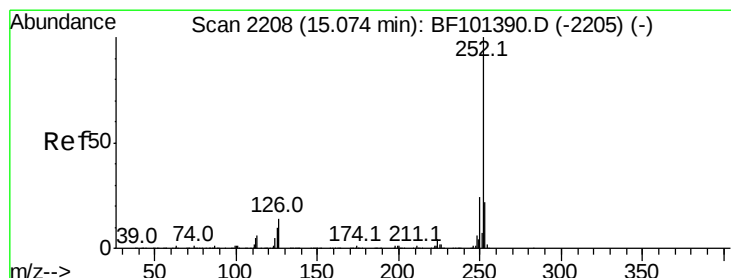
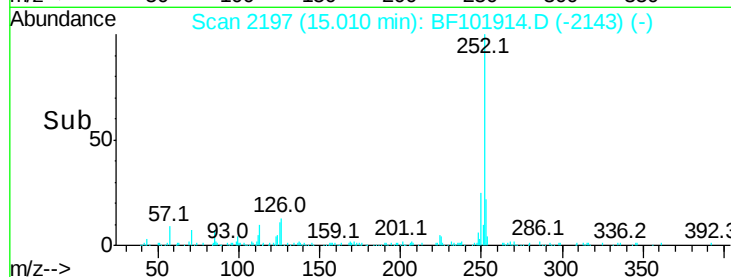
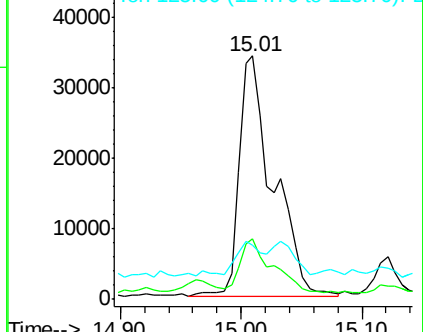
125 22.4 9.0 13.6#



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: 6.288 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

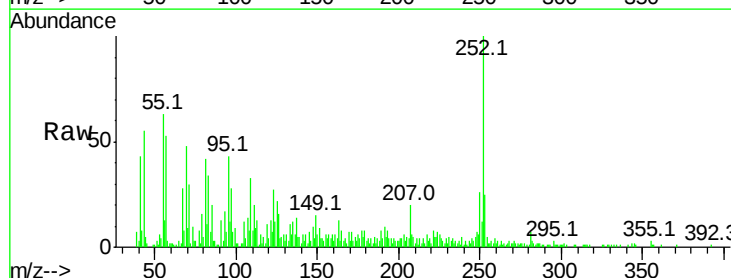
Tgt Ion:252 Resp: 65973

Ion Ratio Lower Upper

252 100

253 25.1 17.9 26.9

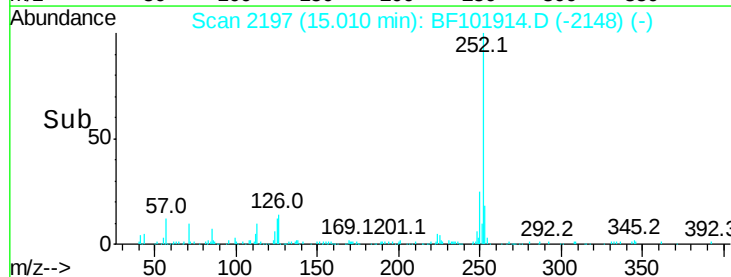
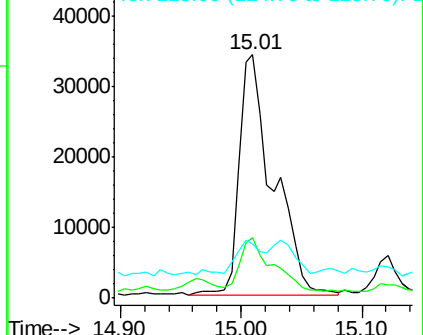
125 22.4 10.2 15.2#

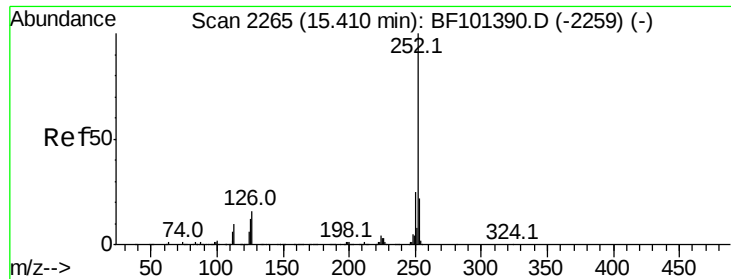


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 3.096 ng

RT: 15.37 min Scan# 2259

Delta R.T. 0.01 min

Lab File: BF101914.D

Acq: 5 Jan 2018 4:40

Instrument :

BNA_F

ClientSampleId :

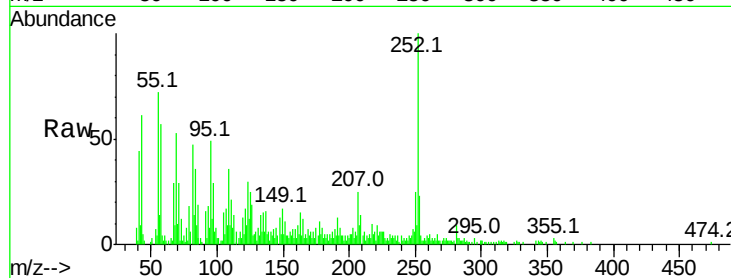
Tot Ion:252 Resp: 30796

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 24.6 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

