

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF010518\
 Data File : BF101926.D
 Acq On : 5 Jan 2018 13:40
 Operator : SJ/JU
 Sample : J1004-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Quant Time: Jan 05 14:13:56 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	133772	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	521198	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	195739	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	291794	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	258764	20.00	ng	-0.01
86) Perylene-d12	15.43	264	216047	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	980002	109.13	ng	0.00
7) Phenol-d6	6.43	99	1180296	105.60	ng	0.00
23) Nitrobenzene-d5	7.35	82	735150	78.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	142054	75.32	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	899072	71.25	ng	-0.01
78) Terphenyl-d14	12.89	244	566858	52.81	ng	-0.01

Target Compounds

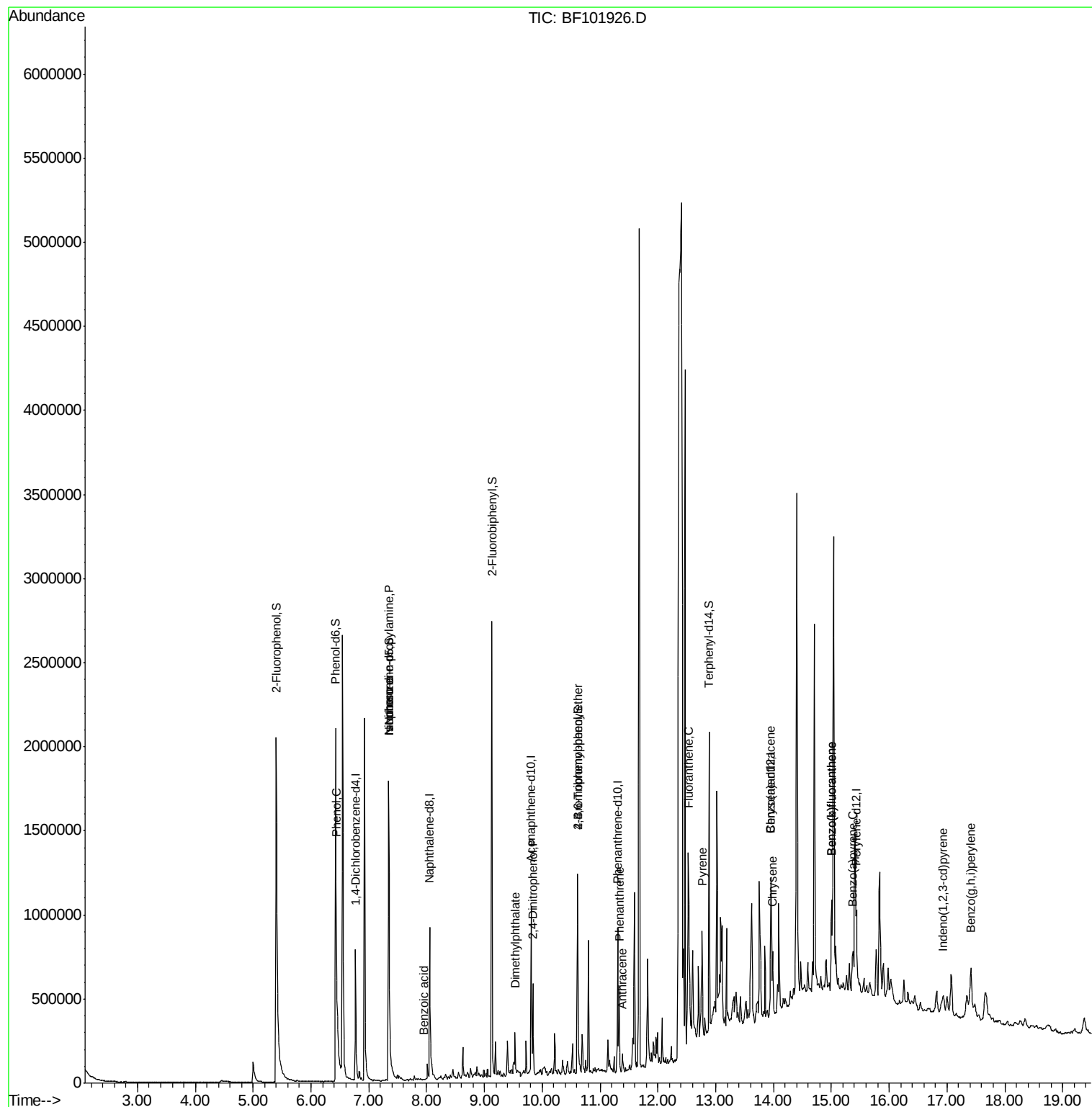
						Qvalue
10) Phenol	6.44	94	55110	4.326	ng	# 42
19) n-Nitroso-di-n-propylamine	7.35	70	101849	13.876	ng	# 82
25) Isophorone	7.35	82	735150	39.140	ng	# 64
32) Benzoic acid	7.95	122	243	8.001	ng	# 50
49) Dimethylphthalate	9.53	163	97865	6.216	ng	99
53) 2,4-Dinitrophenol	9.84	184	447	10.670	ng	# 1
66) 4-Bromophenyl-phenylether	10.61	248	9627	2.936	ng	# 1
70) Phenanthrene	11.33	178	181972	11.214	ng	99
71) Anthracene	11.39	178	42299	2.552	ng	95
74) Fluoranthene	12.53	202	270651	15.890	ng	98
77) Pyrene	12.76	202	269510	13.878	ng	98
80) Benzo(a)anthracene	13.95	228	151083	8.842	ng	96
82) Chrysene	13.99	228	134397	8.331	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	50378	3.507	ng	92
87) Benzo(b)fluoranthene	15.01	252	186460	14.159	ng	# 93
88) Benzo(k)fluoranthene	15.01	252	186460	14.563	ng	# 96
89) Benzo(a)pyrene	15.38	252	98784	8.137	ng	# 95
91) Benzo(g,h,i)perylene	17.40	276	45497	4.408	ng	# 89

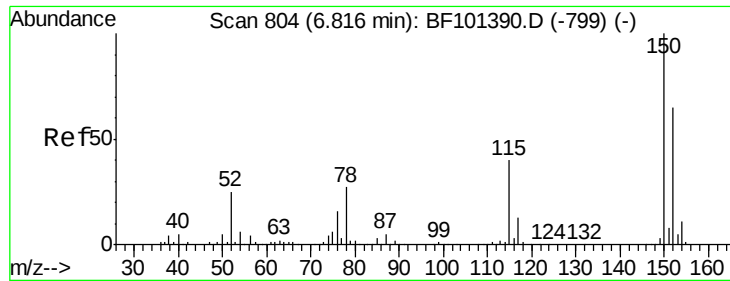
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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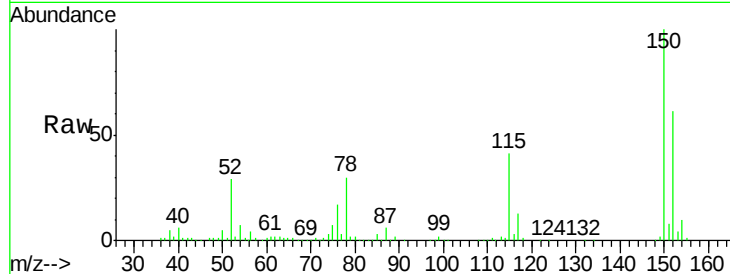


#1

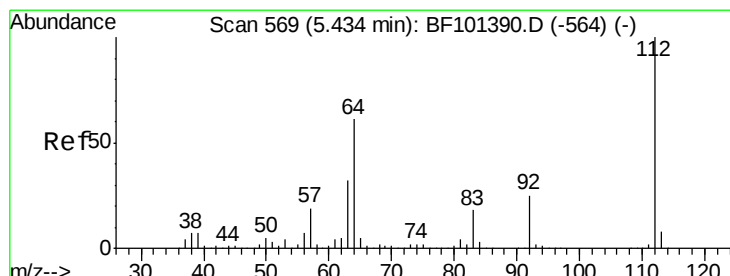
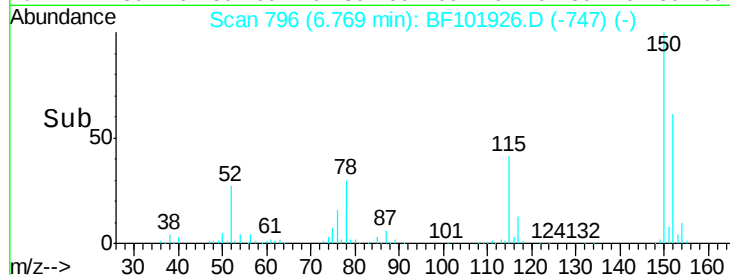
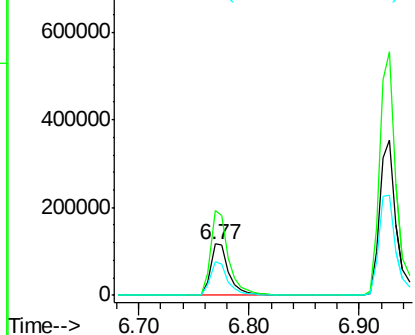
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tgt Ion:152 Resp: 133772
Ion Ratio Lower Upper
152 100
150 164.4 124.6 186.8
115 66.7 50.1 75.1



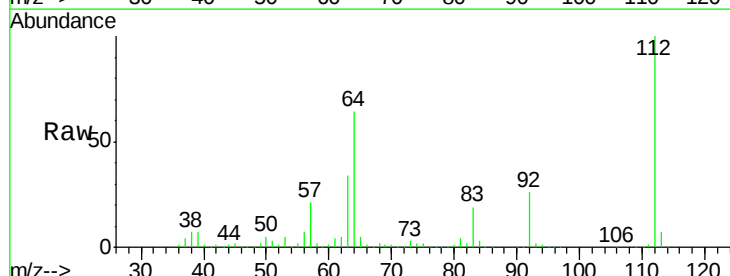
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



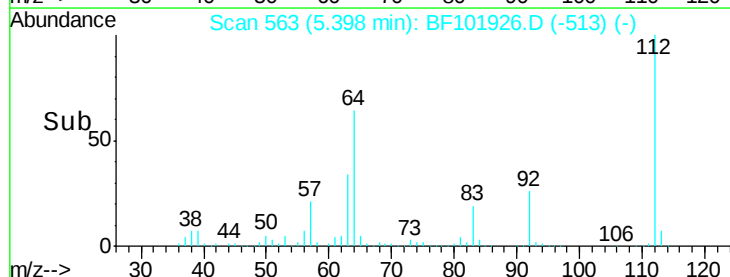
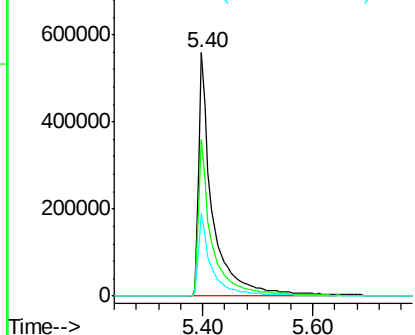
#5

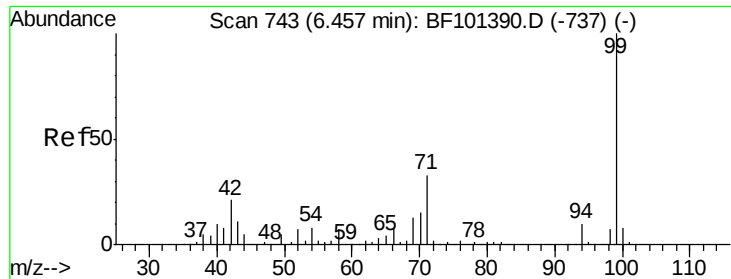
2-Fluorophenol
Concen: 109.125 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion:112 Resp: 980002
Ion Ratio Lower Upper
112 100
64 64.4 47.9 71.9
63 33.7 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: 105.604 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

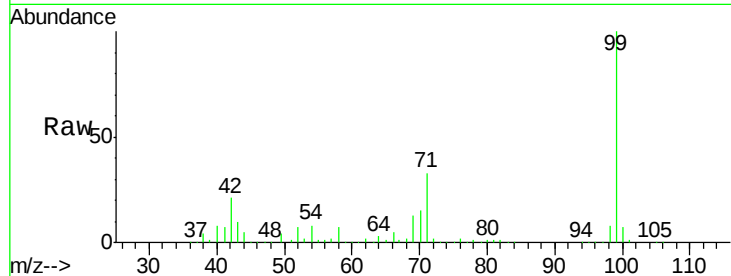
Tgt Ion: 99 Resp: 1180296

Ion Ratio Lower Upper

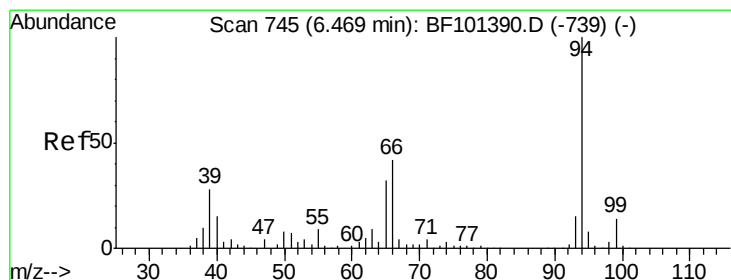
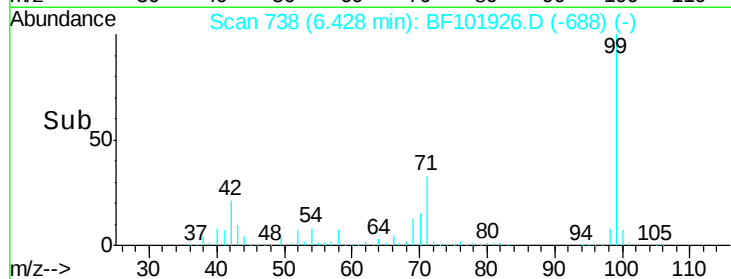
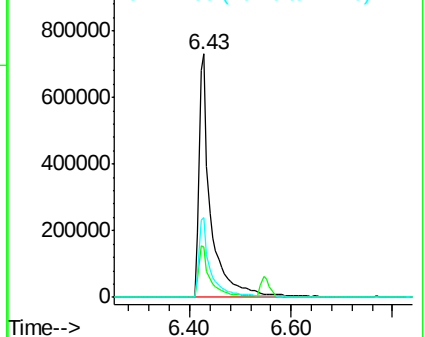
99 100

42 20.7 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



#10

Phenol

Concen: 4.326 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

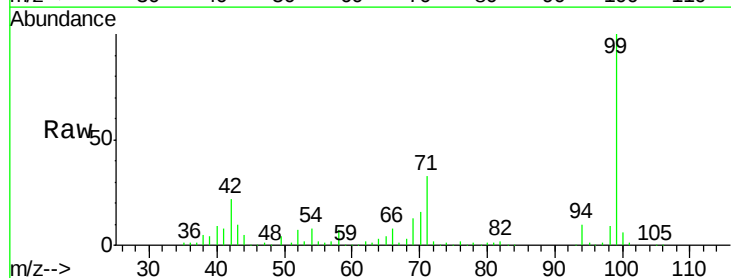
Tgt Ion: 94 Resp: 55110

Ion Ratio Lower Upper

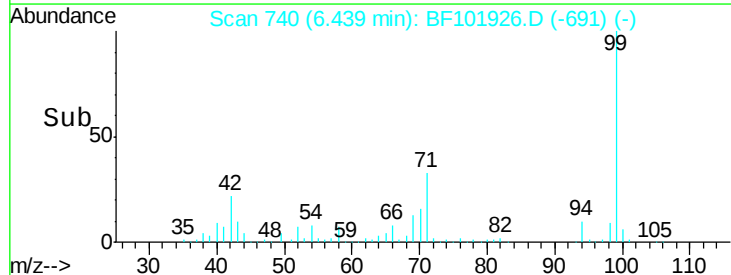
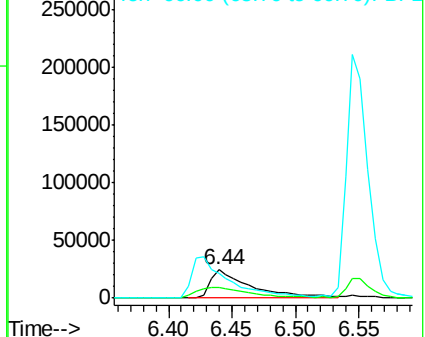
94 100

65 39.7 7.9 47.9

66 86.6 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

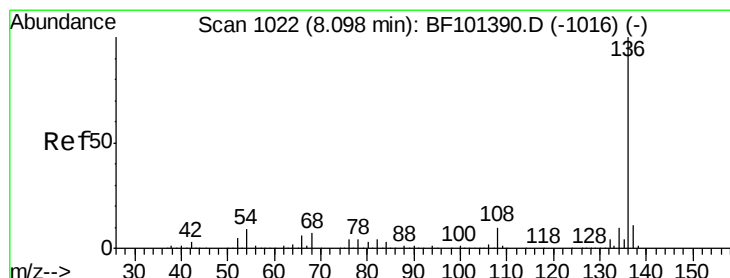
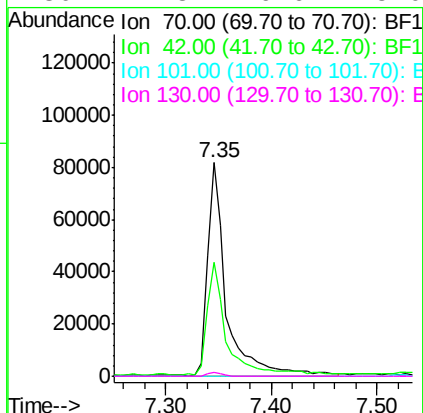
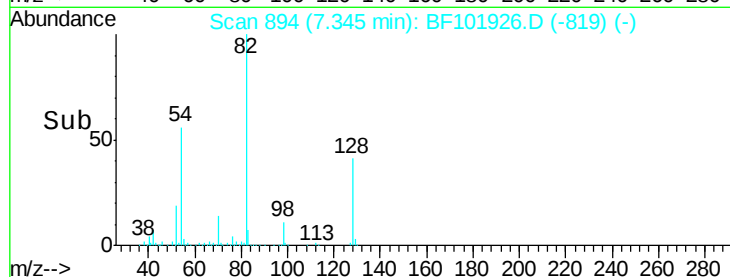
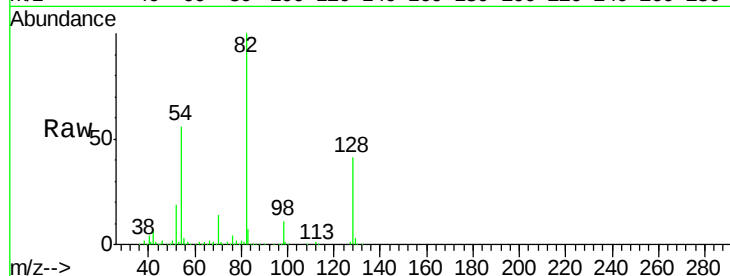




#19
n-Nitroso-di-n-propylamine
Concen: 13.876 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

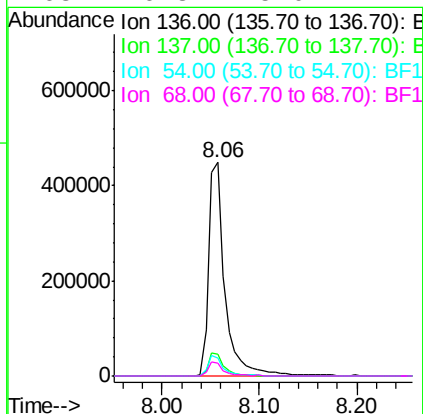
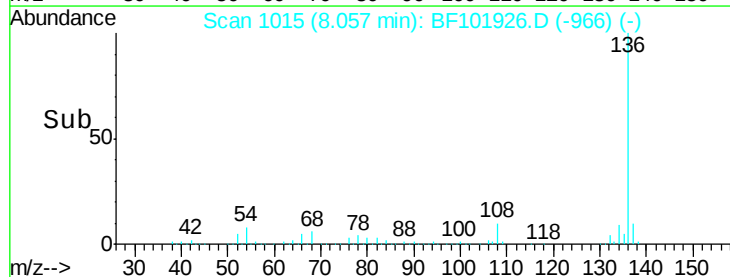
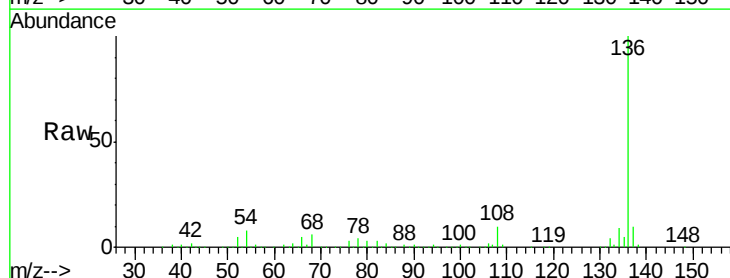
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

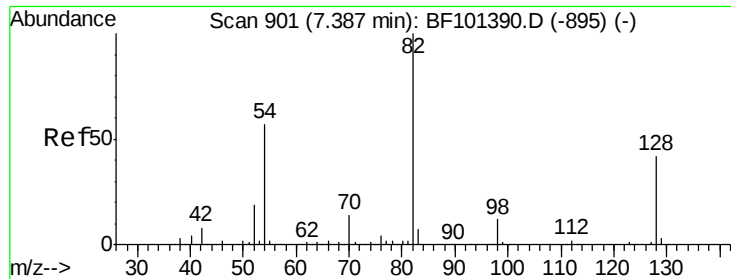
Tgt Ion: 70 Resp: 101849
Ion Ratio Lower Upper
70 100
42 53.1 47.5 71.3
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion: 136 Resp: 521198
Ion Ratio Lower Upper
136 100
137 10.1 8.9 13.3
54 8.2 6.6 9.8
68 6.3 5.0 7.4

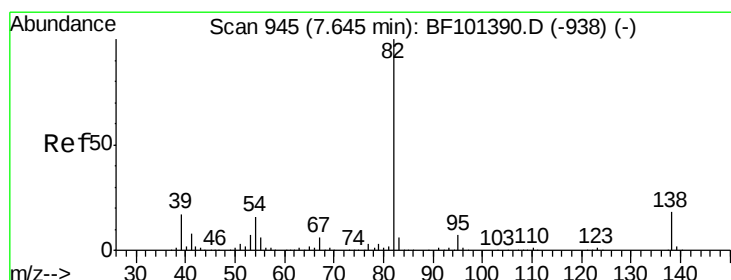
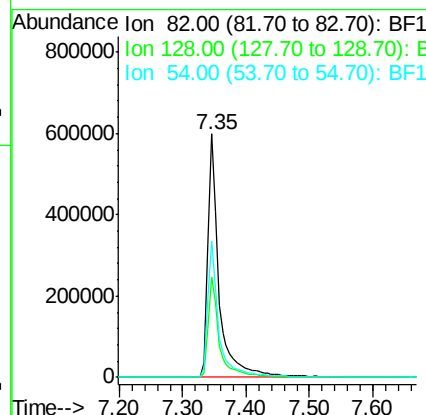
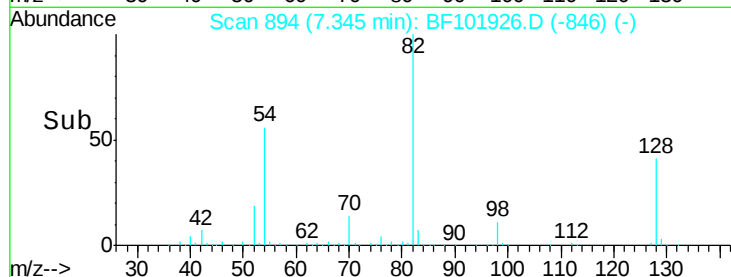
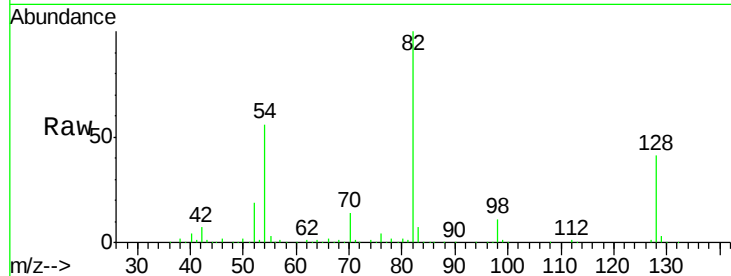




#23
 Nitrobenzene-d5
 Concen: 78.517 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.02 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

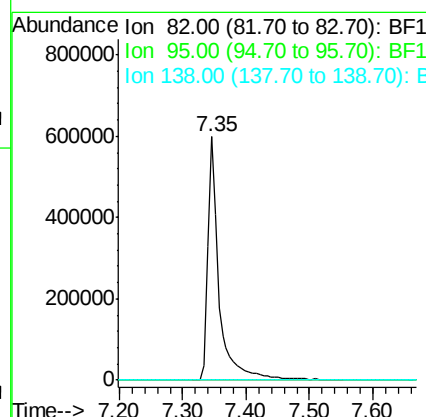
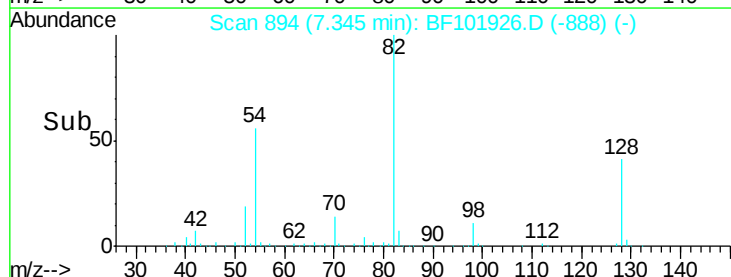
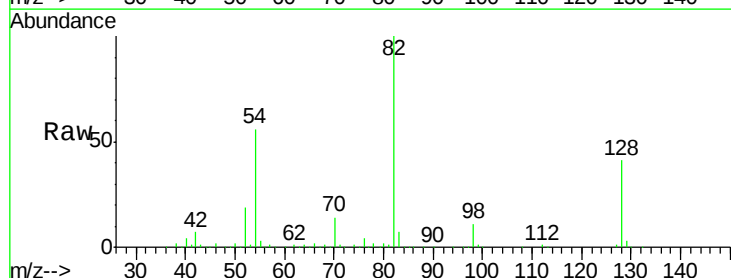
Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

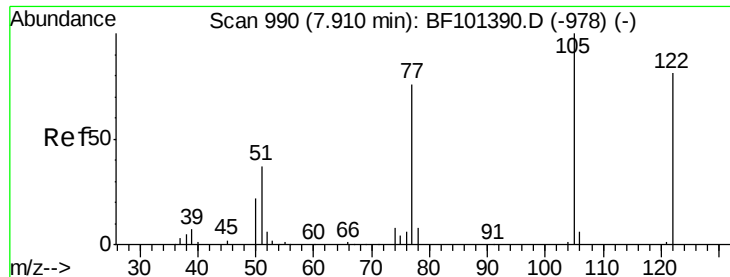
Tgt Ion: 82 Resp: 735150
 Ion Ratio Lower Upper
 82 100
 128 41.3 36.1 54.1
 54 55.8 41.4 62.2



#25
 Isophorone
 Concen: 39.140 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

Tgt Ion: 82 Resp: 735150
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 8.001 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.05 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

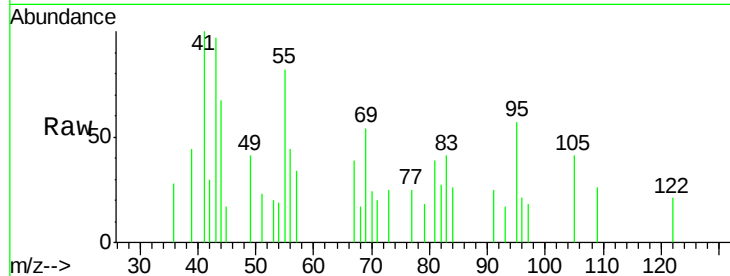
Tgt Ion:122 Resp: 243

Ion Ratio Lower Upper

122 100

105 194.8 101.1 141.1#

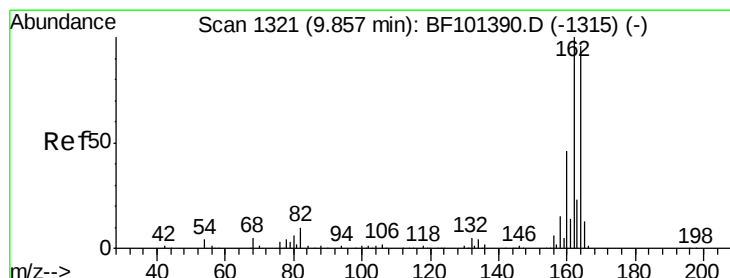
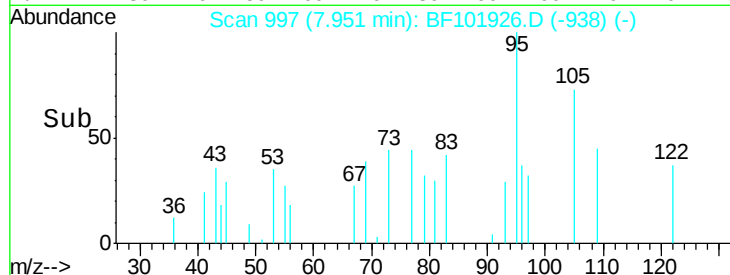
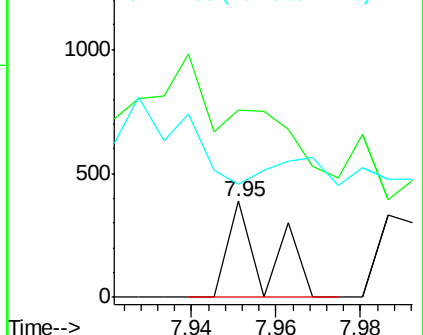
77 118.1 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

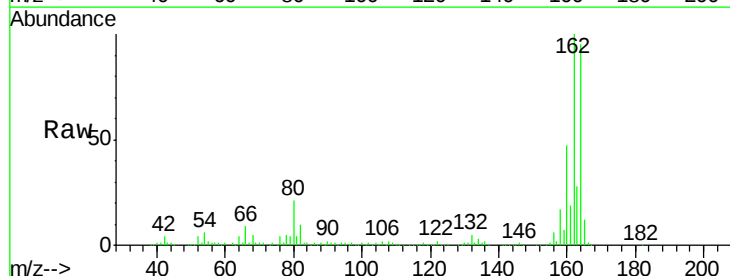
Tgt Ion:164 Resp: 195739

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

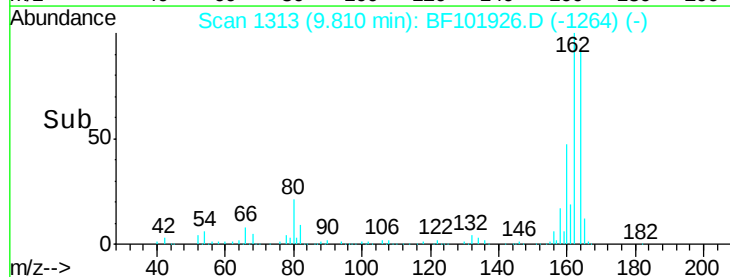
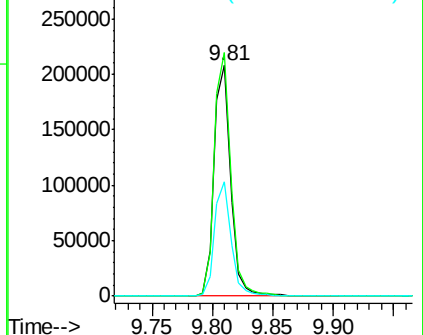
160 49.7 38.3 57.5

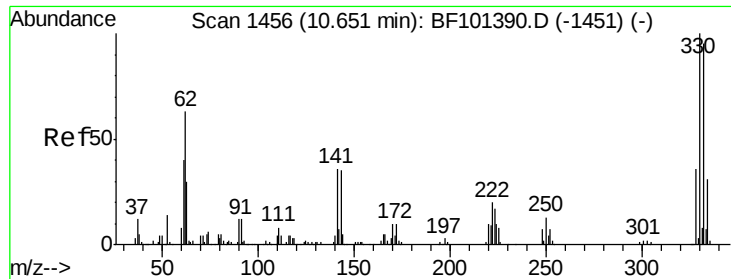


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

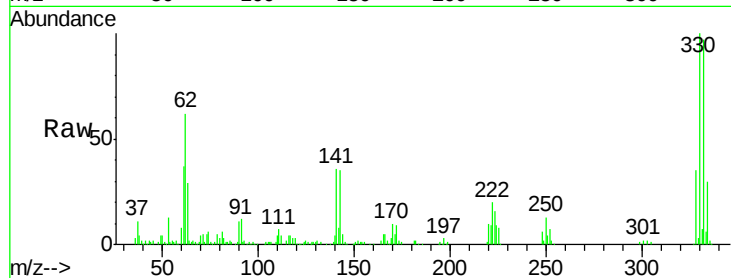




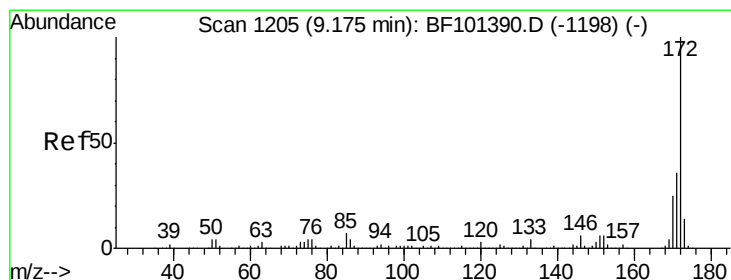
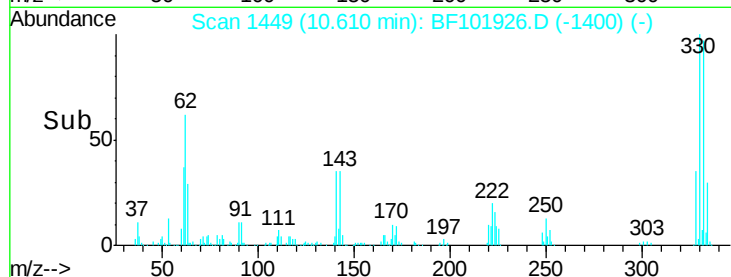
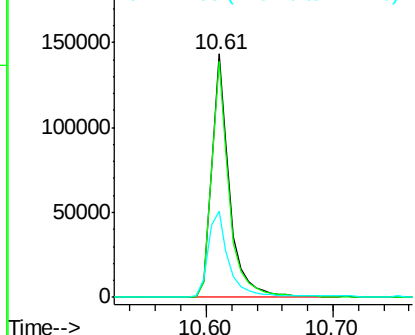
#41
 2,4,6-Tribromophenol
 Concen: 75.316 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Tgt Ion:330 Resp: 142054
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.0 115.6
 141 41.3 29.9 44.9

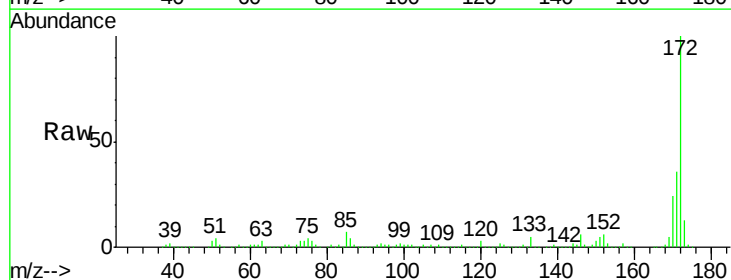


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

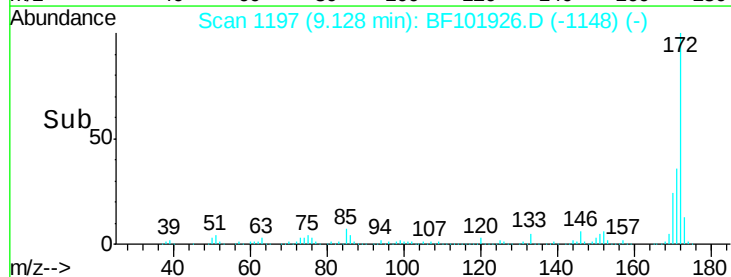
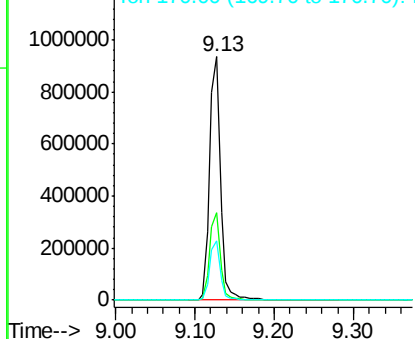


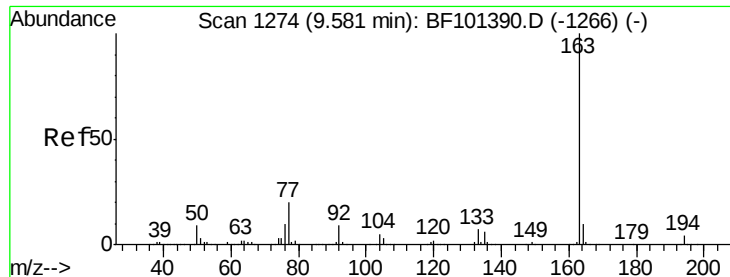
#44
 2-Fluorobiphenyl
 Concen: 71.252 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

Tgt Ion:172 Resp: 899072
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.5 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

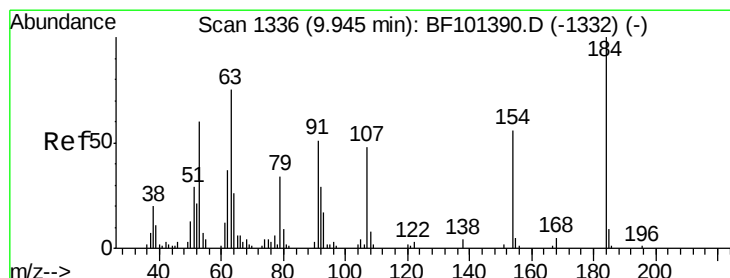
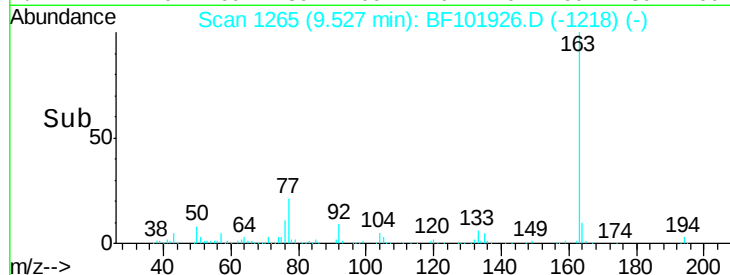
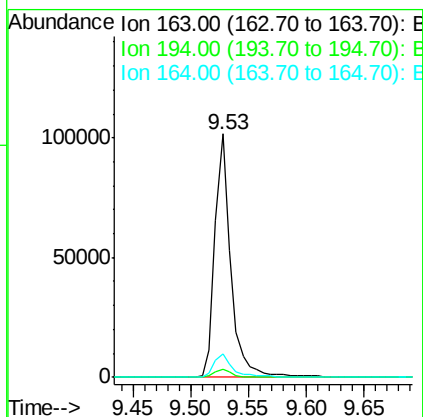
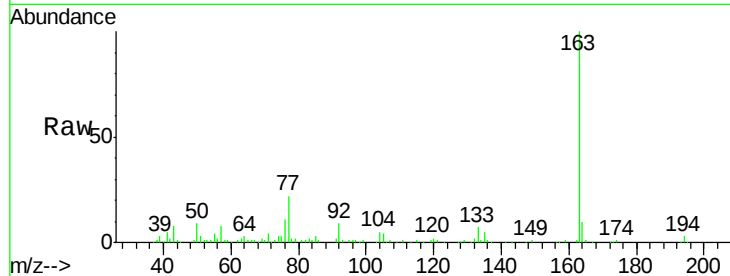




#49
Dimethylphthalate
Concen: 6.216 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

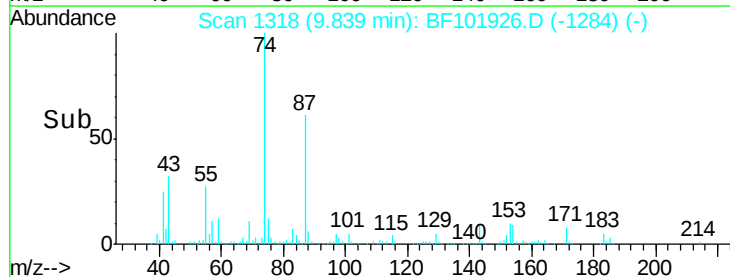
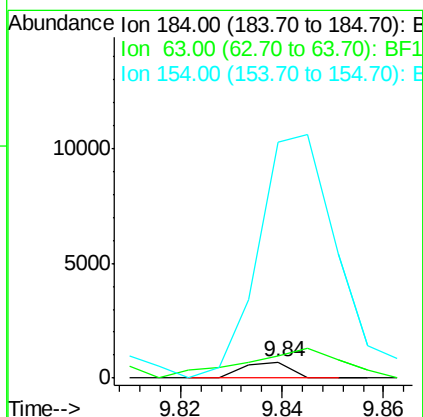
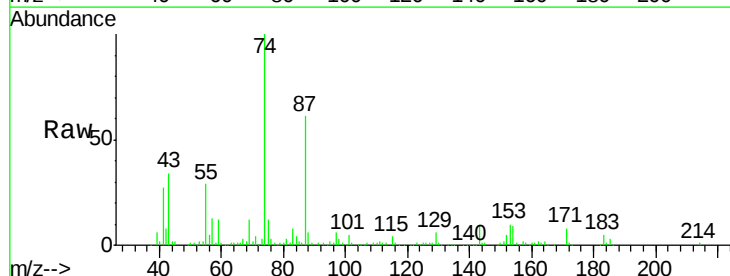
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

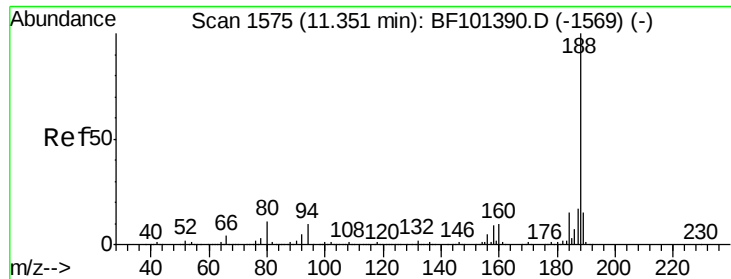
Tgt Ion:163 Resp: 97865
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 9.7 8.2 12.2



#53
2,4-Dinitrophenol
Concen: 10.670 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.10 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion:184 Resp: 447
Ion Ratio Lower Upper
184 100
63 139.9 54.2 81.2#
154 1447.1 184.0 276.0#

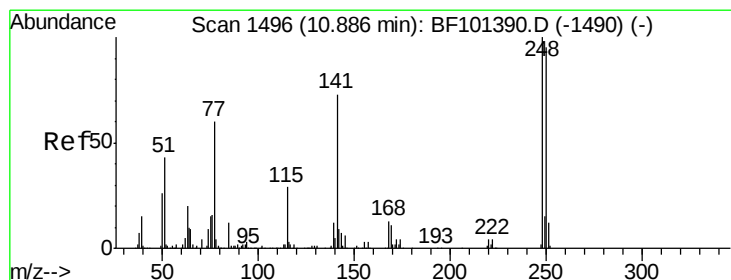
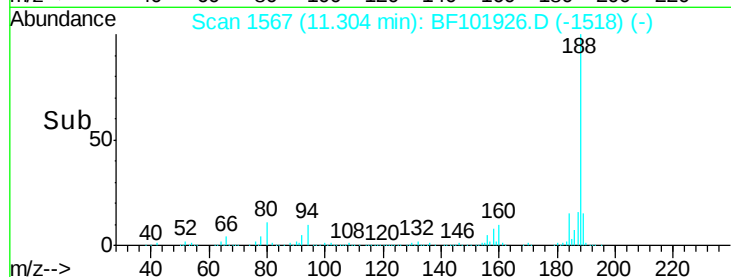
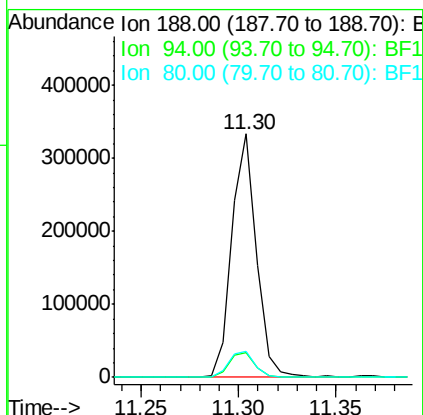
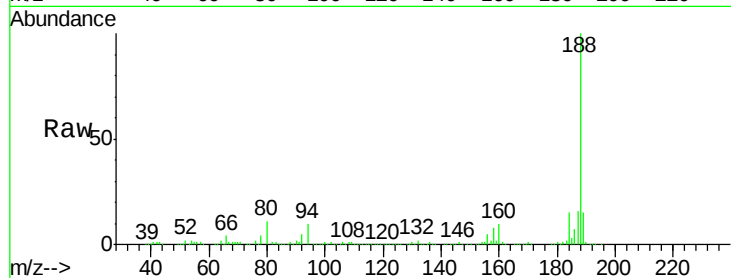




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

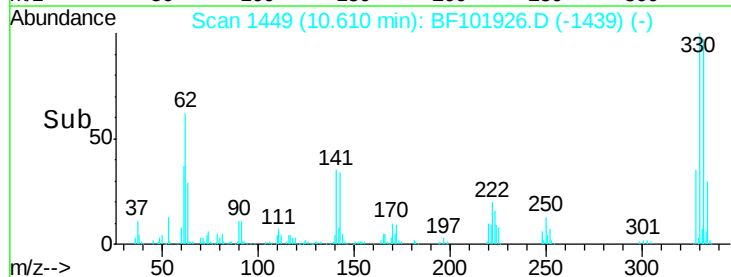
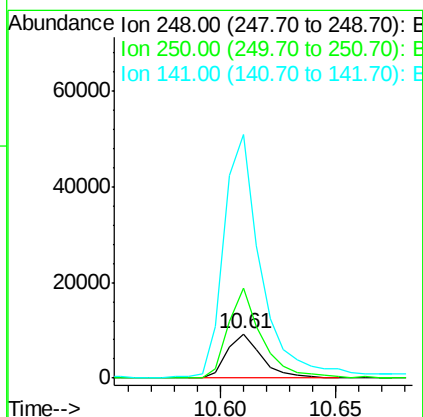
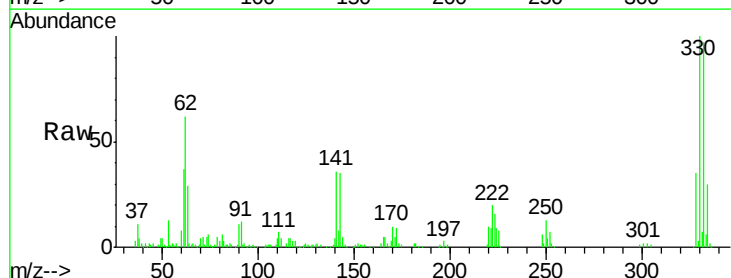
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

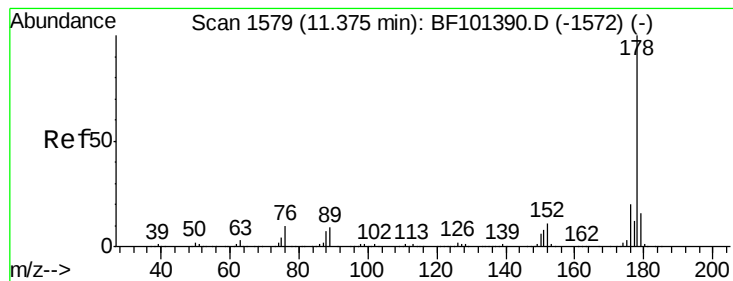
Tgt Ion:188 Resp: 291794
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.9 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.936 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion:248 Resp: 9627
Ion Ratio Lower Upper
248 100
250 202.9 76.9 115.3#
141 549.7 74.4 111.6#





#70

Phenanthrene

Concen: 11.214 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

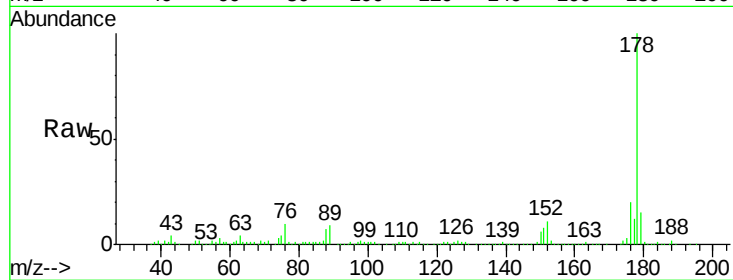
Tgt Ion:178 Resp: 181972

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

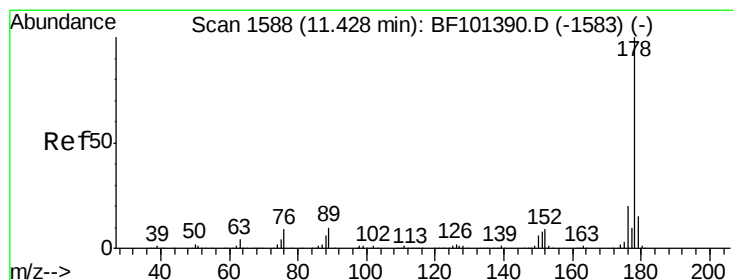
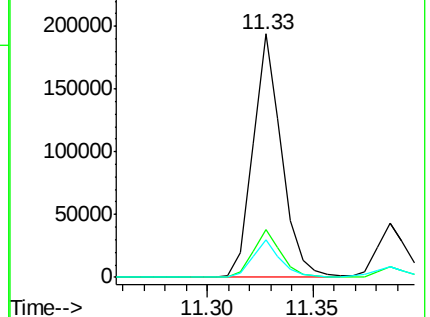
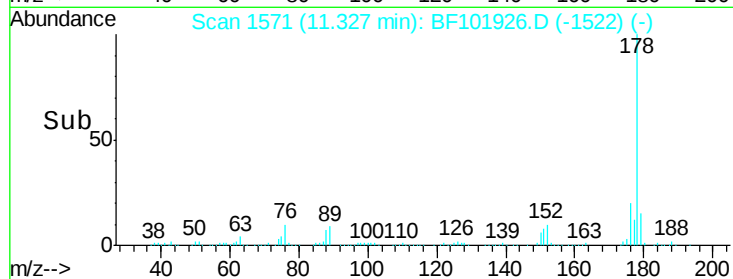
179 15.5 13.0 19.6



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: 2.552 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

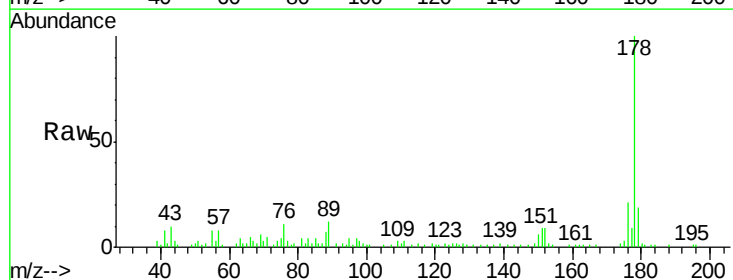
Tgt Ion:178 Resp: 42299

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.2

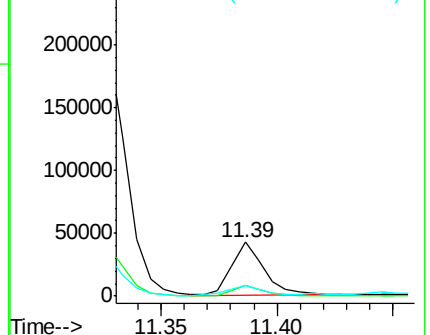
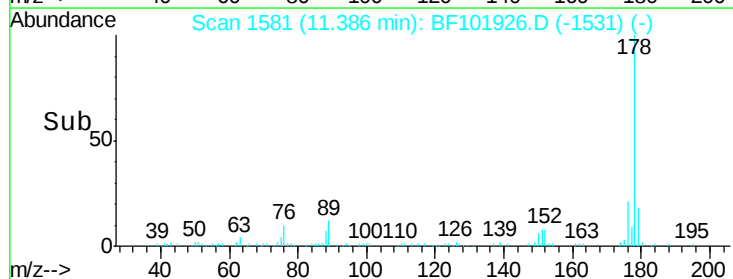
179 18.7 12.6 19.0

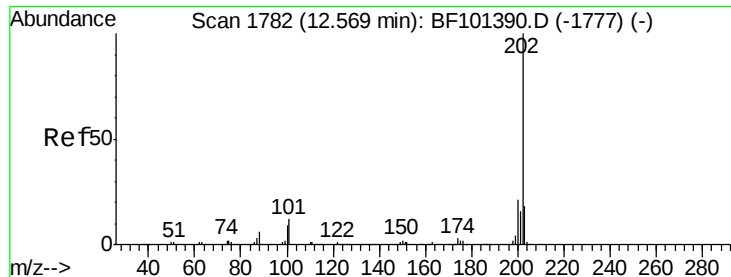


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.890 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

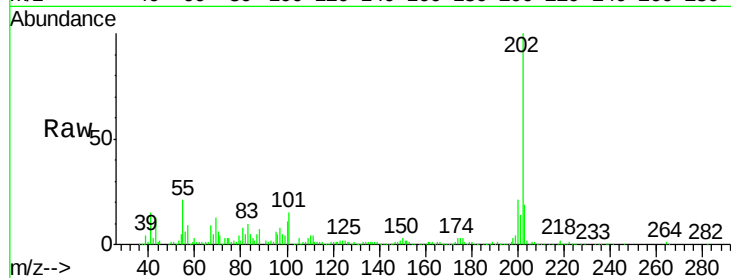
Tgt Ion:202 Resp: 270651

Ion Ratio Lower Upper

202 100

101 15.0 0.0 34.1

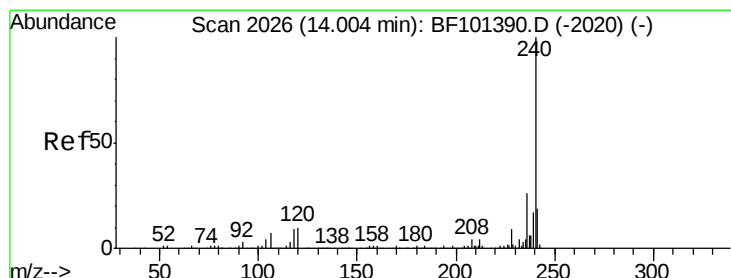
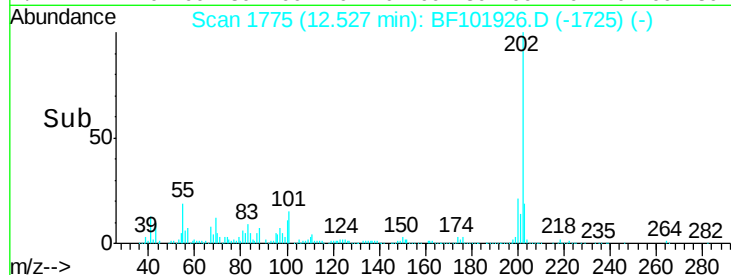
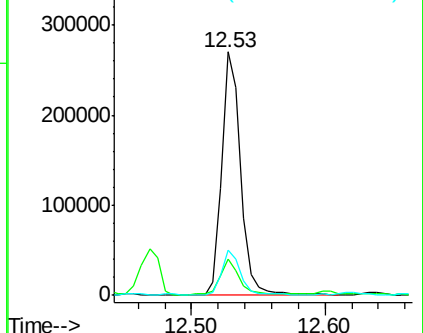
203 18.8 0.0 38.1



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: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

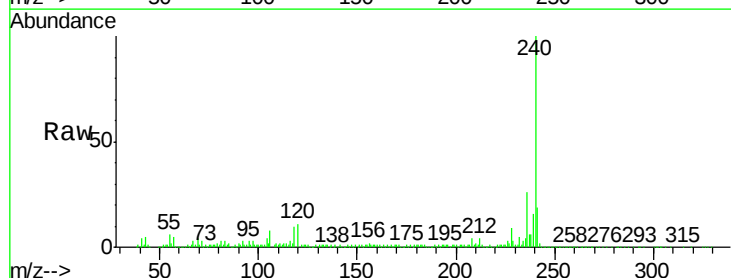
Tgt Ion:240 Resp: 258764

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

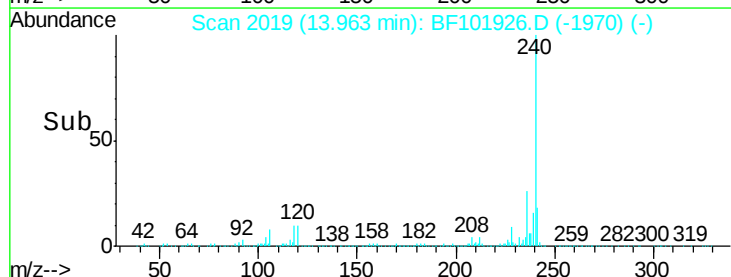
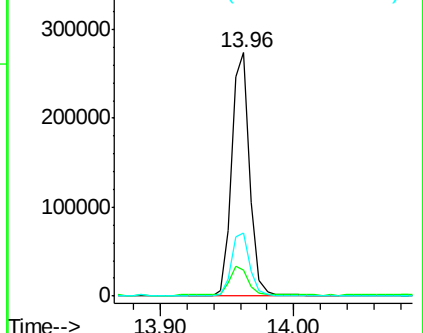
236 25.8 20.7 31.1

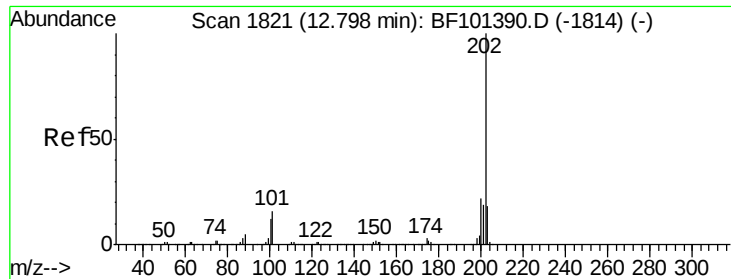


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

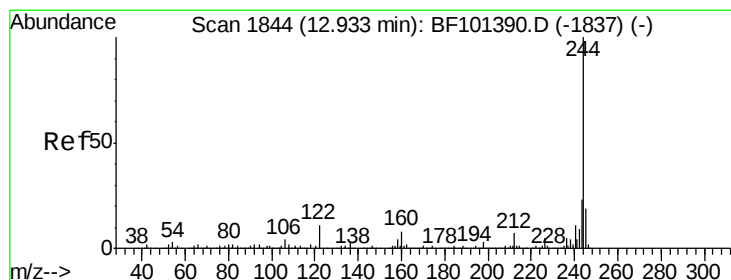
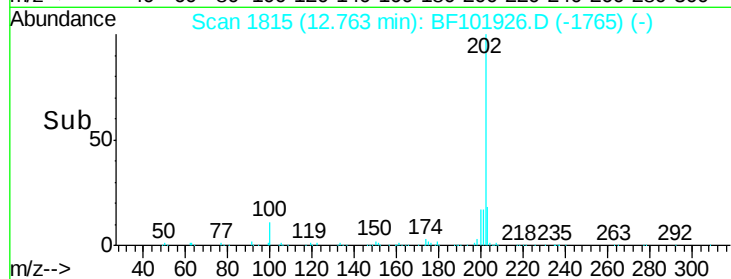
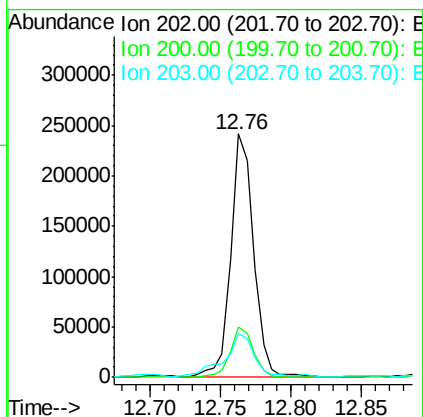
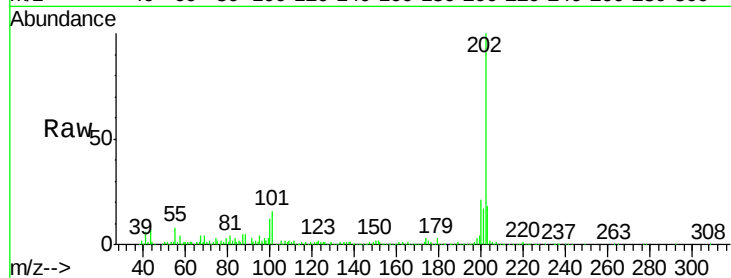




#77
 Pyrene
 Concen: 13.878 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

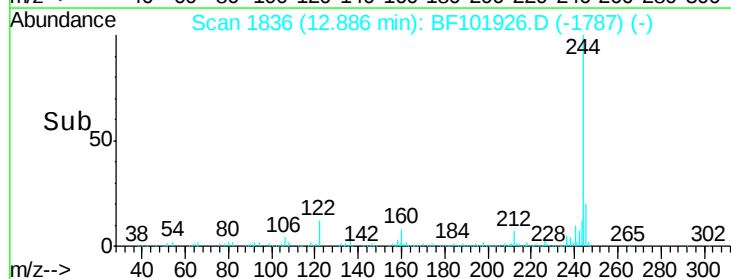
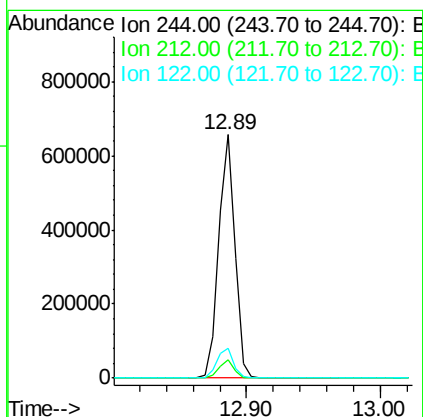
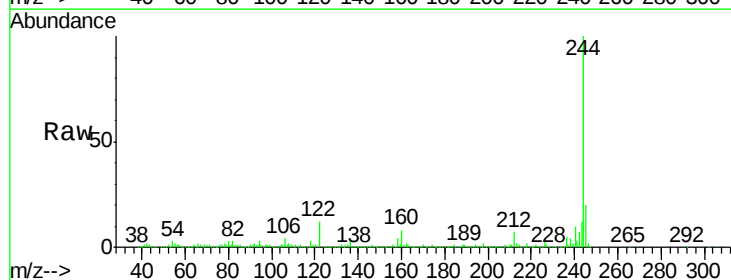
Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

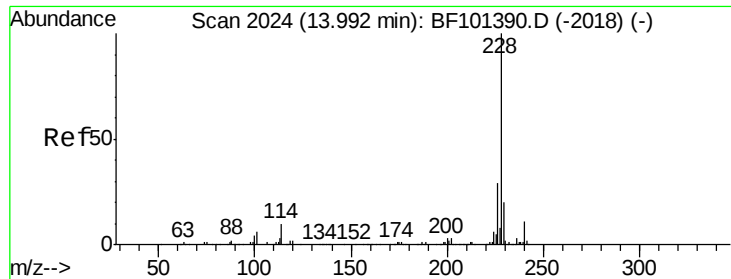
Tgt Ion: 202 Resp: 269510
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.4 26.2
 203 18.2 14.3 21.5



#78
 Terphenyl-d14
 Concen: 52.811 ng
 RT: 12.89 min Scan# 1836
 Delta R.T. -0.01 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

Tgt Ion: 244 Resp: 566858
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.0
 122 12.1 11.0 16.4

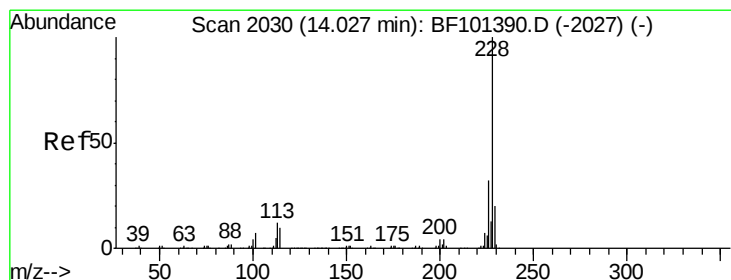
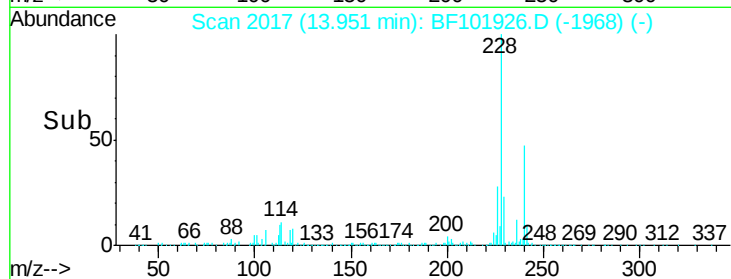
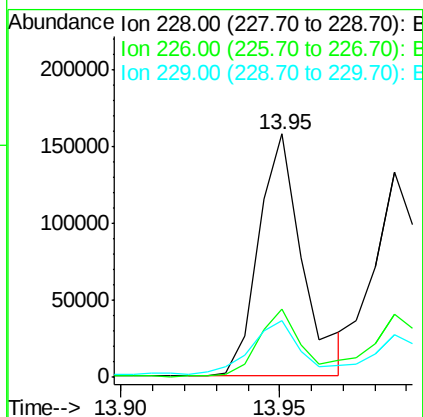
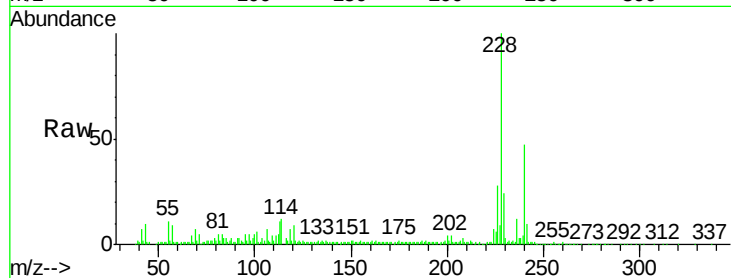




#80
Benzo(a)anthracene
Concen: 8.842 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

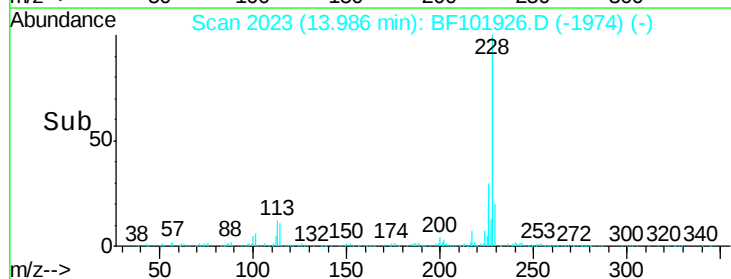
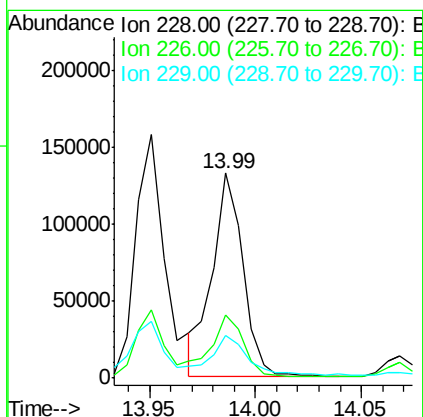
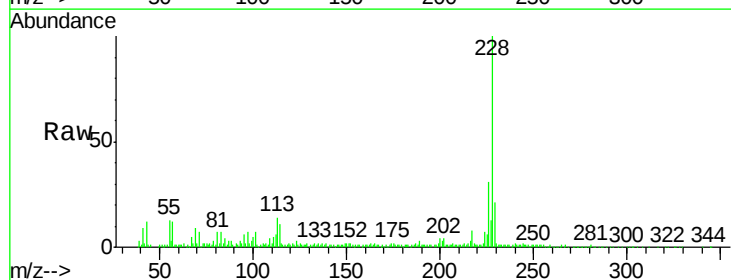
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

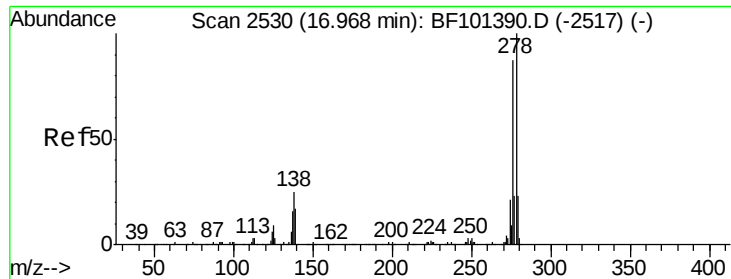
Tgt Ion:228 Resp: 151083
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 23.5 15.8 23.6



#82
Chrysene
Concen: 8.331 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion:228 Resp: 134397
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 20.8 16.2 24.4

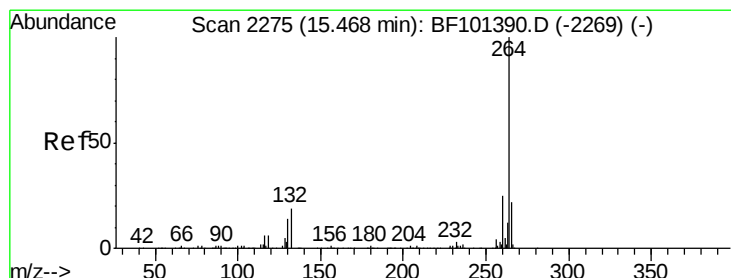
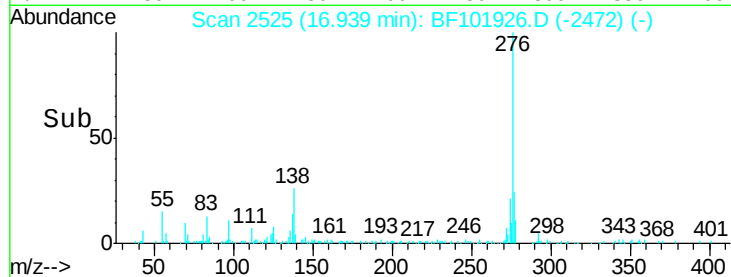
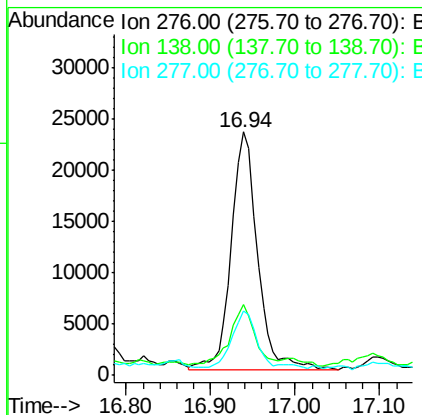
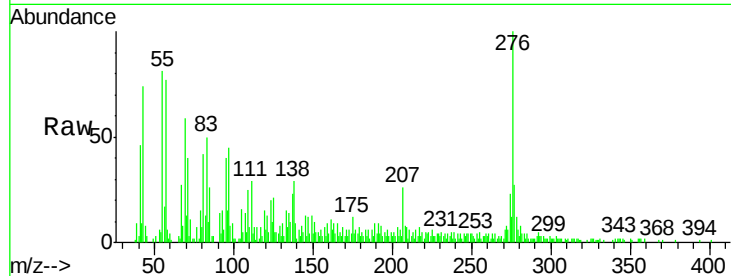




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.507 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

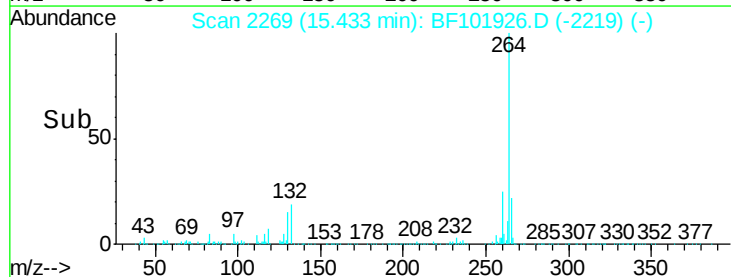
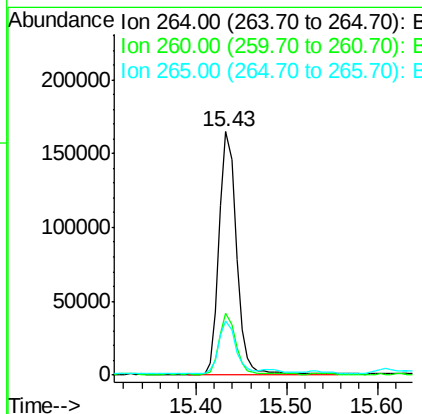
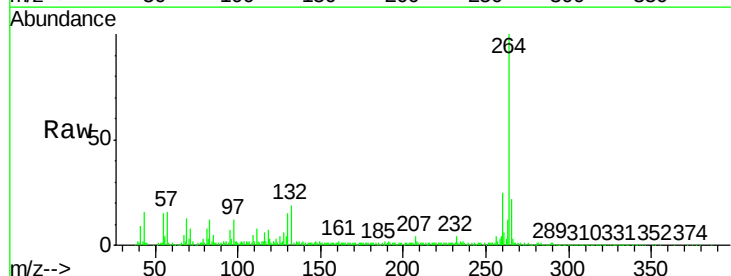
Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

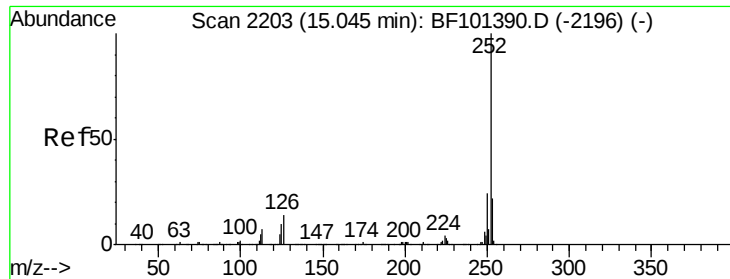
Tgt Ion:276 Resp: 50378
 Ion Ratio Lower Upper
 276 100
 138 25.1 25.0 37.6
 277 23.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

Tgt Ion:264 Resp: 216047
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.2 28.8
 265 22.1 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 14.159 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

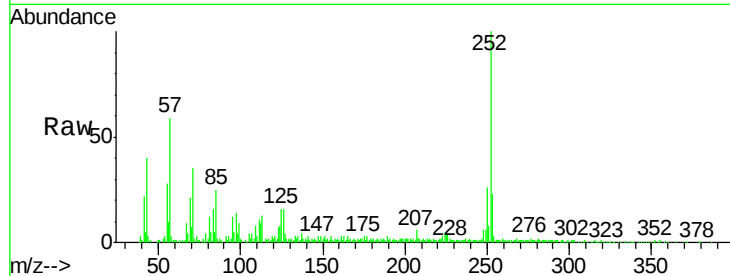
Tgt Ion:252 Resp: 186460

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

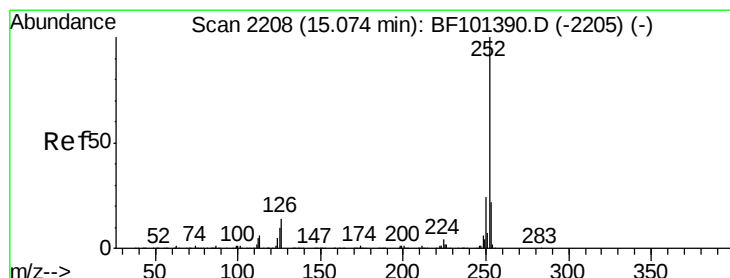
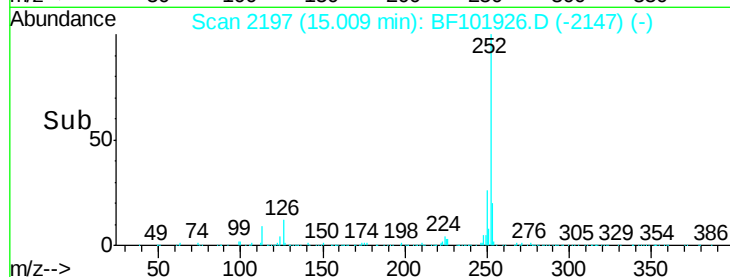
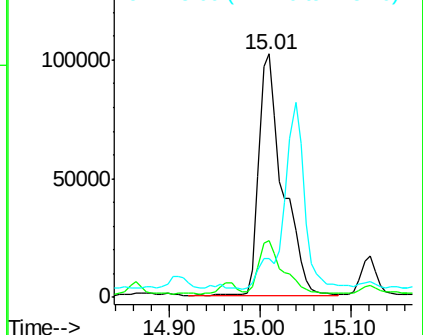
125 16.1 9.0 13.6#



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: 14.563 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.03 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

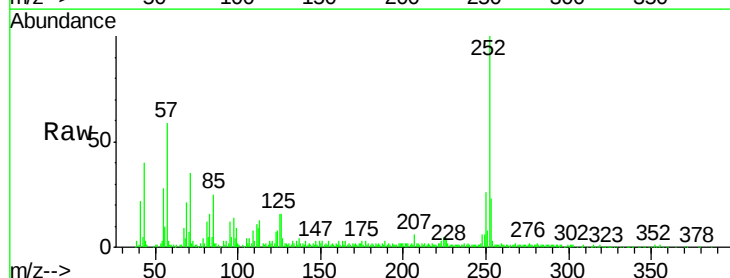
Tgt Ion:252 Resp: 186460

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

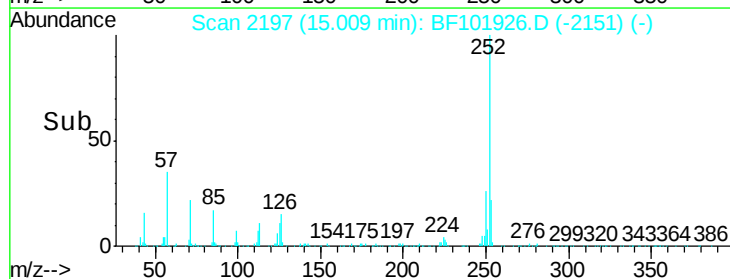
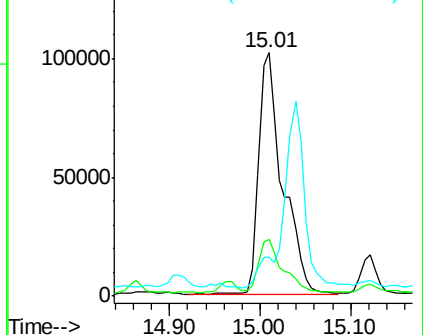
125 16.1 10.2 15.2#

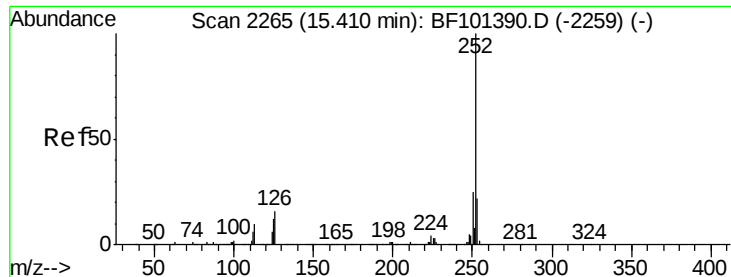


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 8.137 ng

RT: 15.38 min Scan# 2260

Delta R.T. 0.00 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

BNA_F

ClientSampleId :

SB-14-COMP

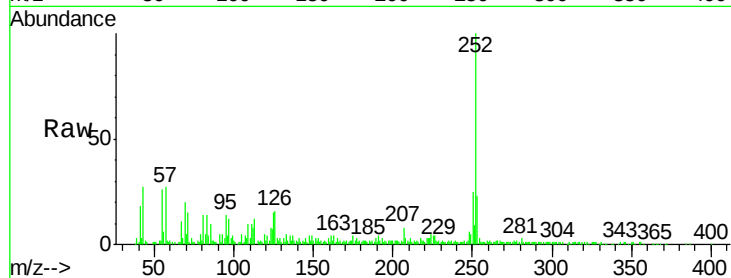
Tgt Ion:252 Resp: 98784

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

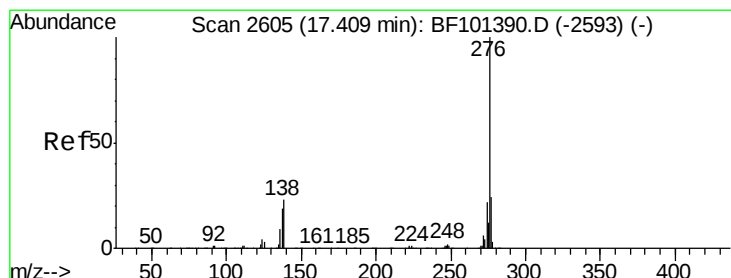
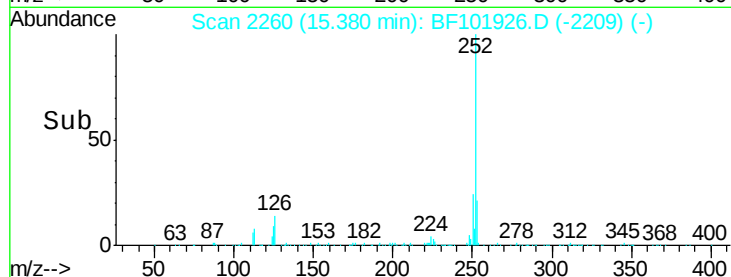
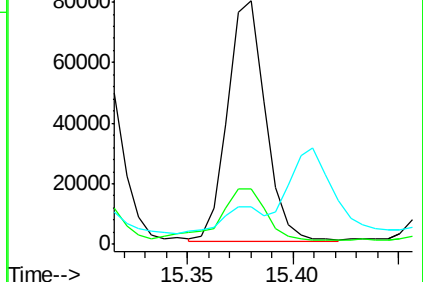
125 15.4 9.8 14.6#



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(g,h,i)perylene

Concen: 4.408 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.03 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

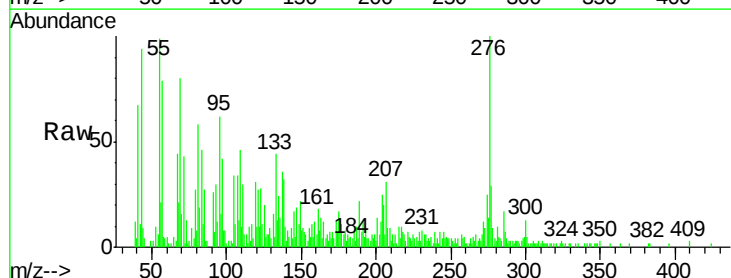
Tgt Ion:276 Resp: 45497

Ion Ratio Lower Upper

276 100

277 28.7 17.9 26.9#

138 31.8 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

