

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF010518\
 Data File : BF101928.D
 Acq On : 5 Jan 2018 14:34
 Operator : SJ/JU
 Sample : J1004-18
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Quant Time: Jan 05 15:05:02 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	133124	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	524107	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	209554	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	326624	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	259871	20.00	ng	-0.01
86) Perylene-d12	15.43	264	219497	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	955633	106.93	ng	0.00
7) Phenol-d6	6.43	99	1144949	102.94	ng	0.00
23) Nitrobenzene-d5	7.35	82	706881	75.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	153634	76.09	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	755408	55.92	ng	-0.01
78) Terphenyl-d14	12.88	244	503603	46.72	ng	-0.02

Target Compounds

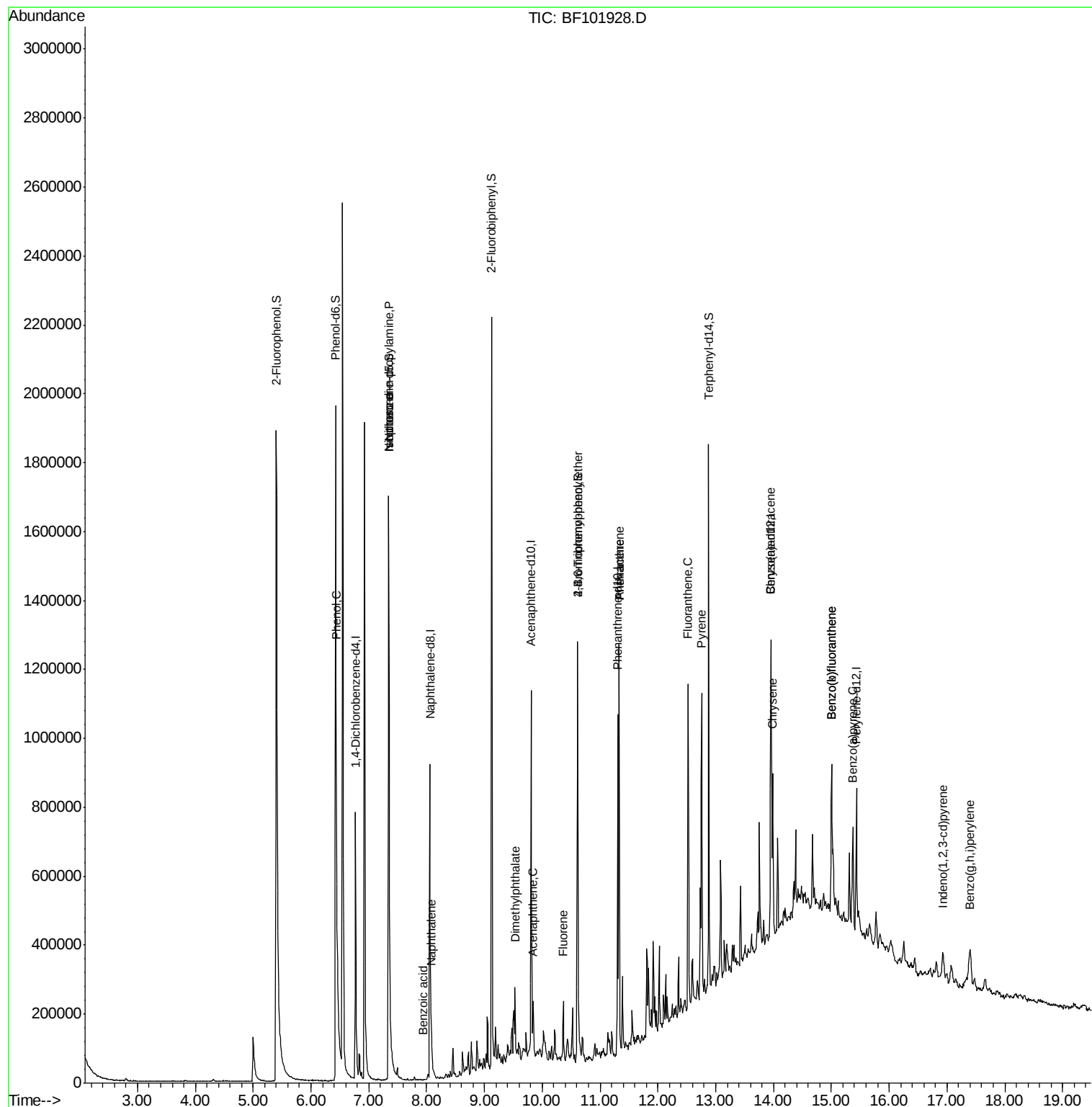
						Qvalue
10) Phenol	6.44	94	52342	4.129	ng	# 42
19) n-Nitroso-di-n-propylamine	7.35	70	95022	13.009	ng	# 83
25) Isophorone	7.35	82	706881	37.426	ng	# 64
31) Naphthalene	8.08	128	65574	2.485	ng	99
32) Benzoic acid	7.93	122	146	7.985	ng	# 1
49) Dimethylphthalate	9.53	163	85048	5.046	ng	98
51) Acenaphthene	9.84	154	34571	2.562	ng	97
57) Fluorene	10.36	166	48469	3.341	ng	99
66) 4-Bromophenyl-phenylether	10.61	248	10248	2.792	ng	# 1
70) Phenanthrene	11.33	178	431542	23.758	ng	99
71) Anthracene	11.33	178	431542	23.259	ng	99
74) Fluoranthene	12.53	202	405024	21.244	ng	97
77) Pyrene	12.76	202	371891	19.068	ng	99
80) Benzo(a)anthracene	13.95	228	196504	11.451	ng	97
82) Chrysene	13.99	228	183605	11.332	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	64457	4.468	ng	93
87) Benzo(b)fluoranthene	15.01	252	266754	19.938	ng	# 96
88) Benzo(k)fluoranthene	15.01	252	266754	20.507	ng	99
89) Benzo(a)pyrene	15.37	252	135779	11.009	ng	# 95
91) Benzo(g,h,i)perylene	17.39	276	59612	5.685	ng	96

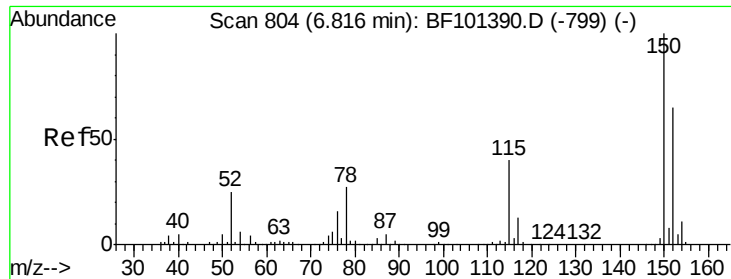
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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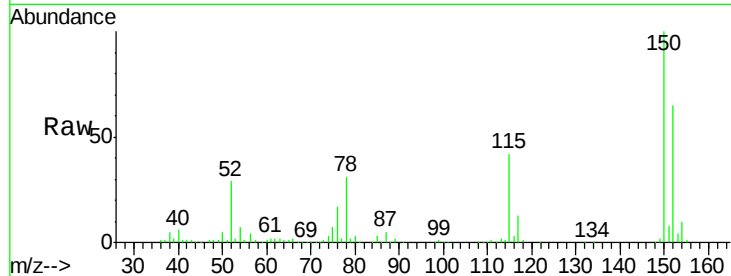


#1

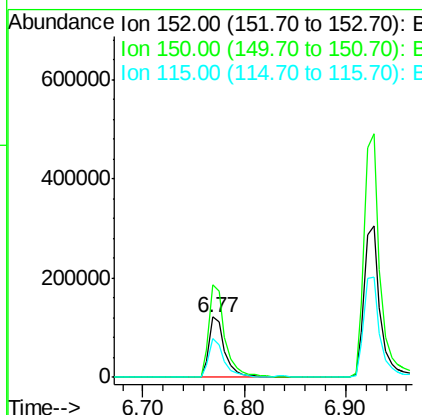
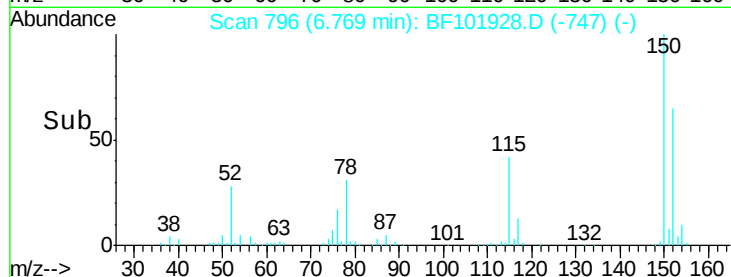
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tgt Ion:152 Resp: 133124
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 65.5 50.1 75.1



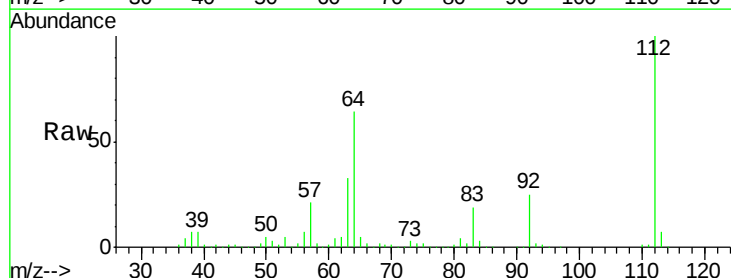
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



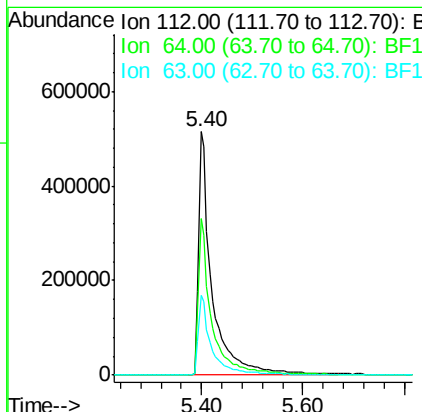
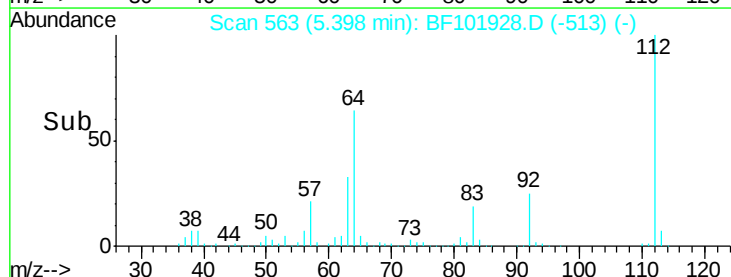
#5

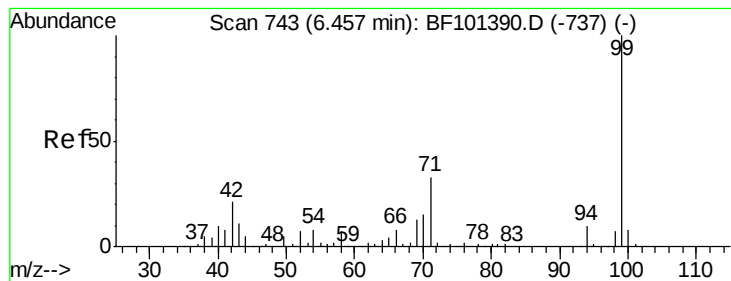
2-Fluorophenol
Concen: 106.930 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:112 Resp: 955633
Ion Ratio Lower Upper
112 100
64 64.5 47.9 71.9
63 32.9 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: 102.940 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

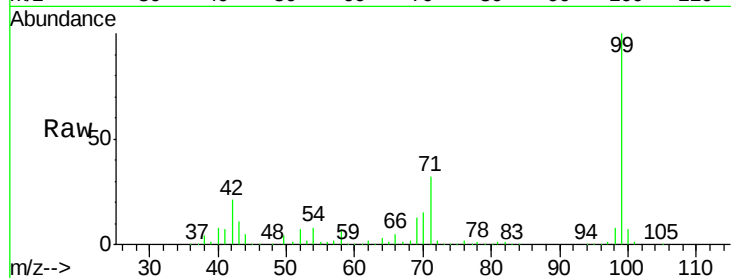
Tgt Ion: 99 Resp: 1144949

Ion Ratio Lower Upper

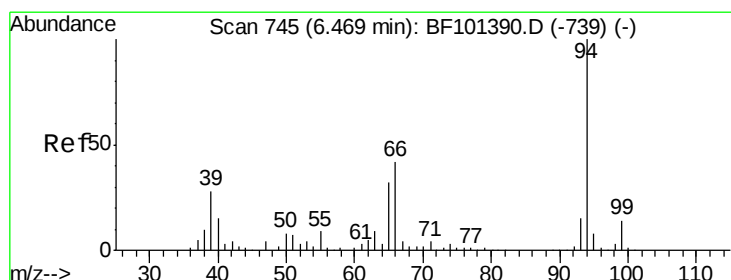
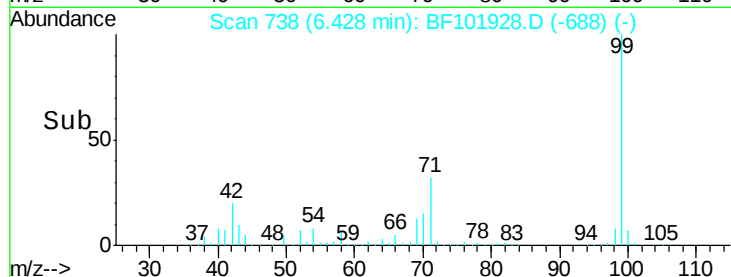
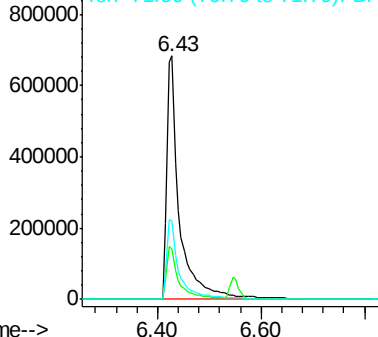
99 100

42 20.5 14.5 21.7

71 32.0 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: 4.129 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

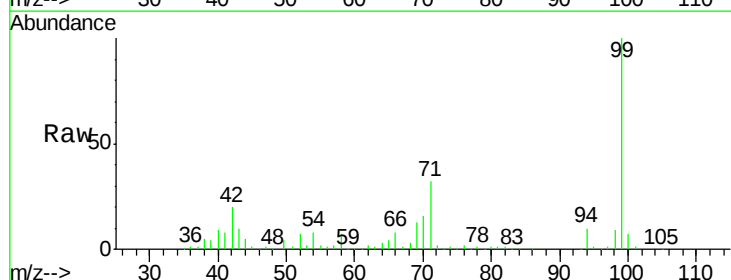
Tgt Ion: 94 Resp: 52342

Ion Ratio Lower Upper

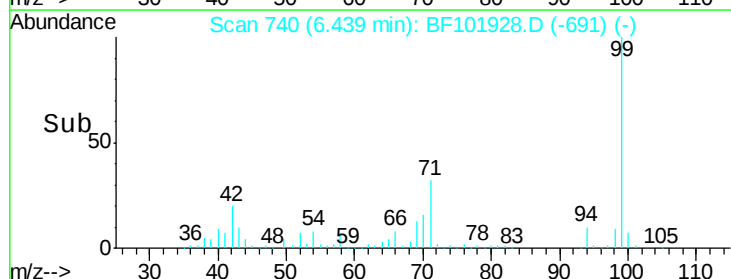
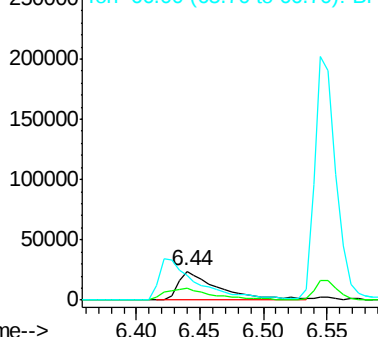
94 100

65 39.9 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: 13.009 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

Tgt Ion: 70 Resp: 95022

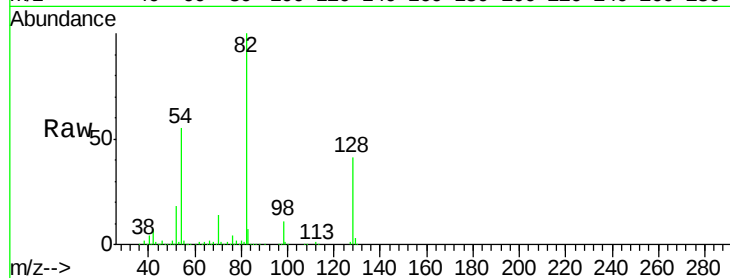
Ion Ratio Lower Upper

70 100

42 53.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



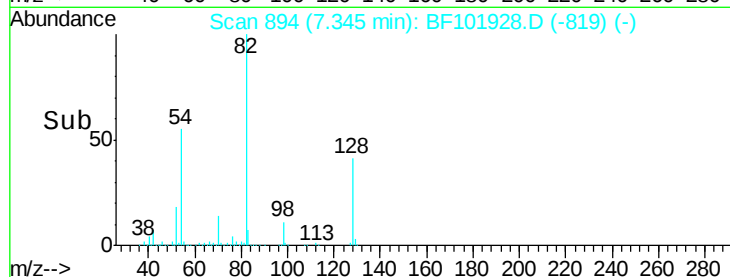
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

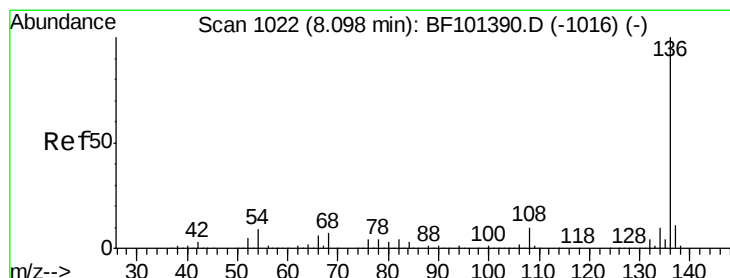
Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Tgt Ion: 136 Resp: 524107

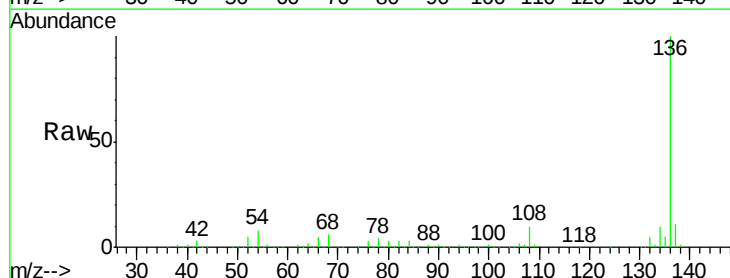
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.3 6.6 9.8

68 6.2 5.0 7.4



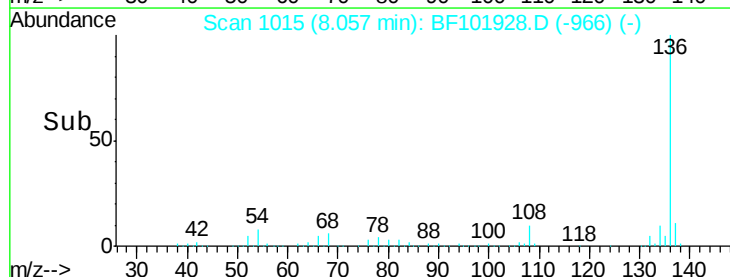
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

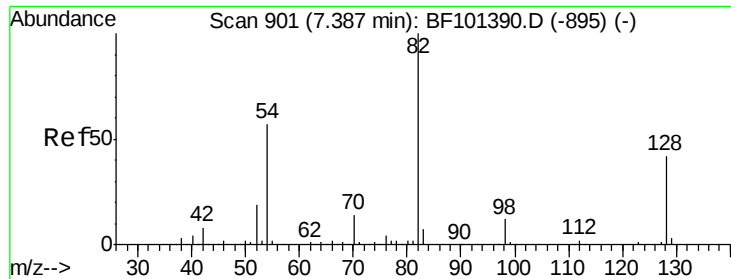
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->



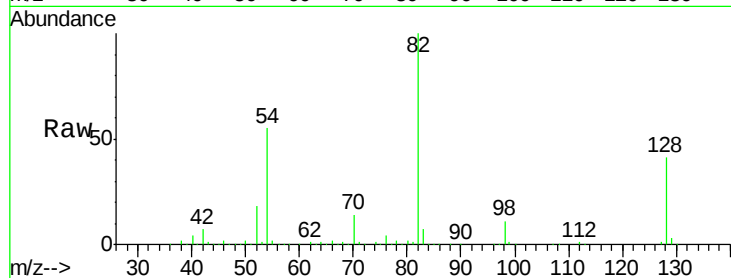
Time-->



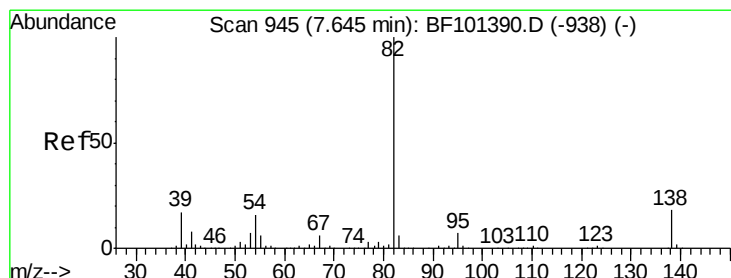
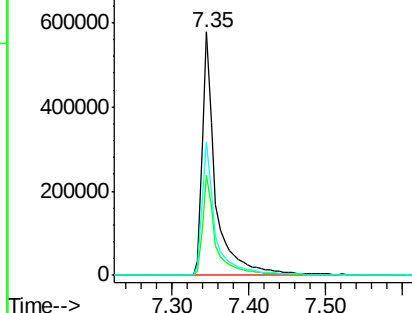
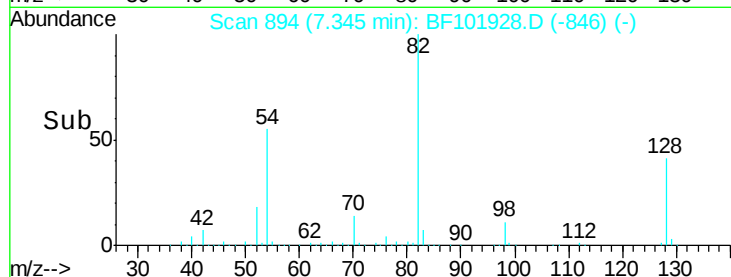
#23
Nitrobenzene-d5
Concen: 75.078 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tgt Ion: 82 Resp: 706881
Ion Ratio Lower Upper
82 100
128 41.1 36.1 54.1
54 54.8 41.4 62.2

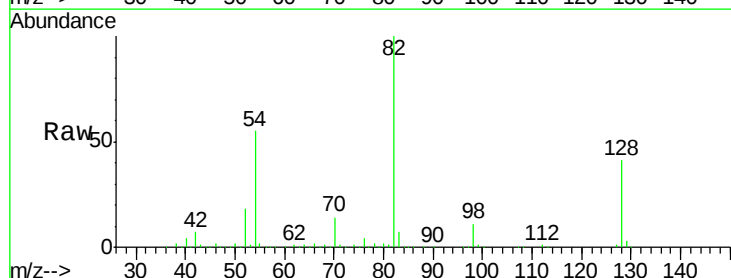


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

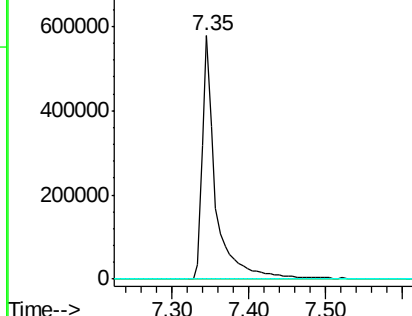
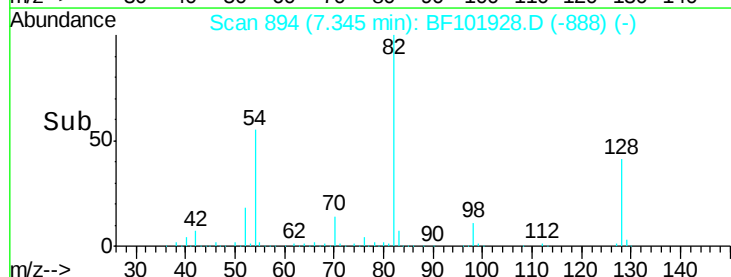


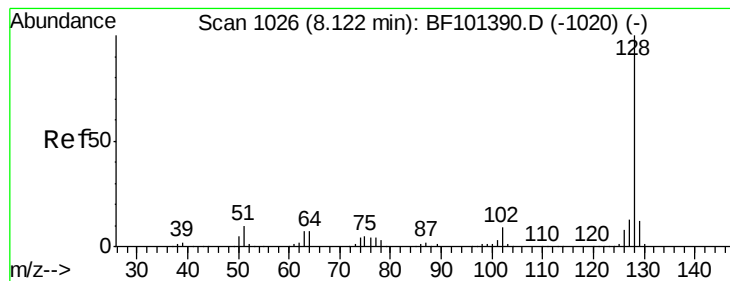
#25
Isophorone
Concen: 37.426 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion: 82 Resp: 706881
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





#31

Naphthalene

Concen: 2.485 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

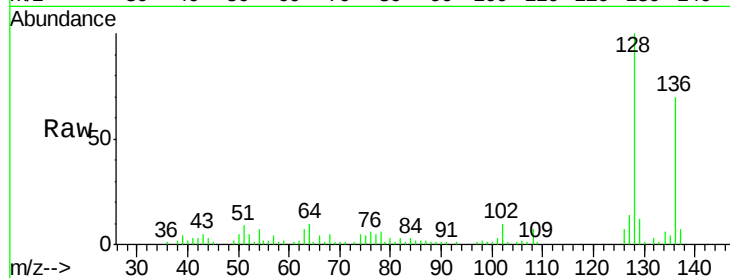
Tgt Ion:128 Resp: 65574

Ion Ratio Lower Upper

128 100

129 11.6 8.8 13.2

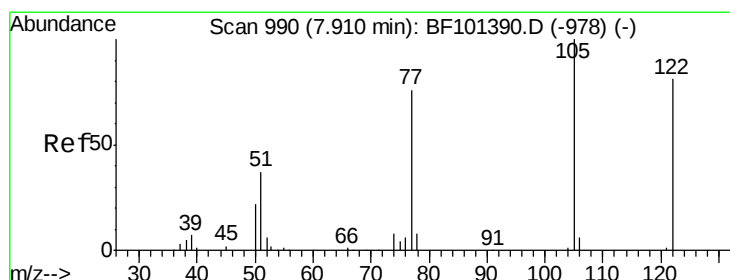
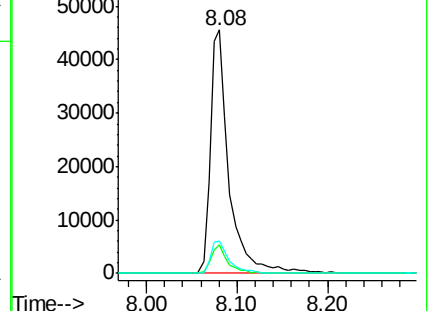
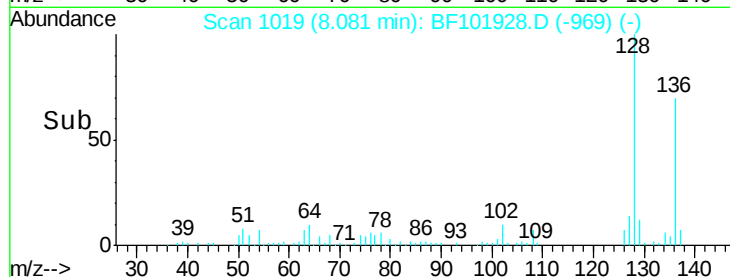
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 7.985 ng

RT: 7.93 min Scan# 994

Delta R.T. 0.03 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

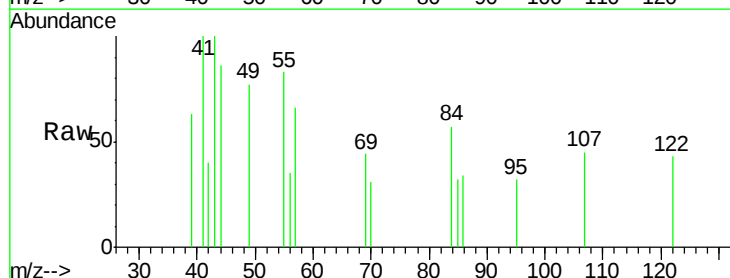
Tgt Ion:122 Resp: 146

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

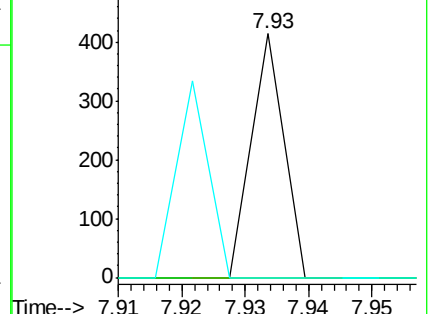
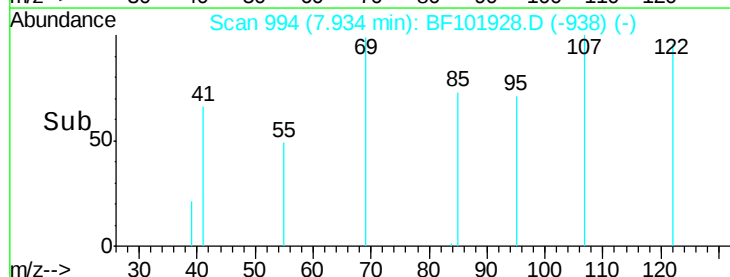
77 0.0 70.7 110.7#

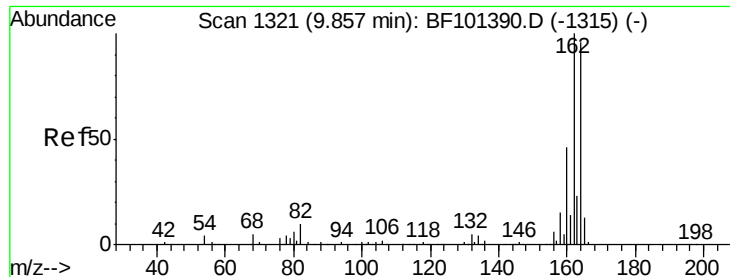


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

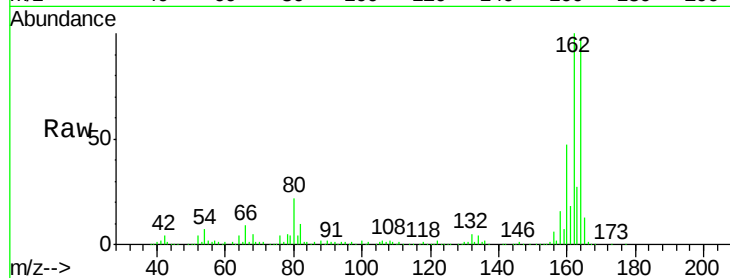




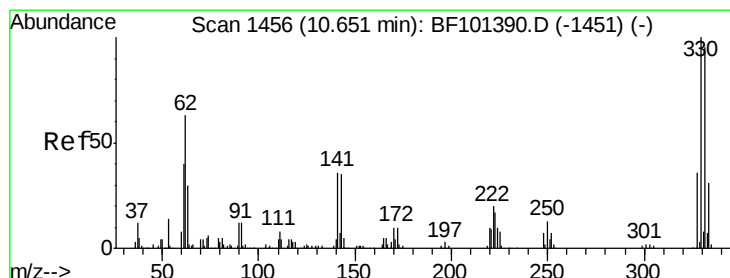
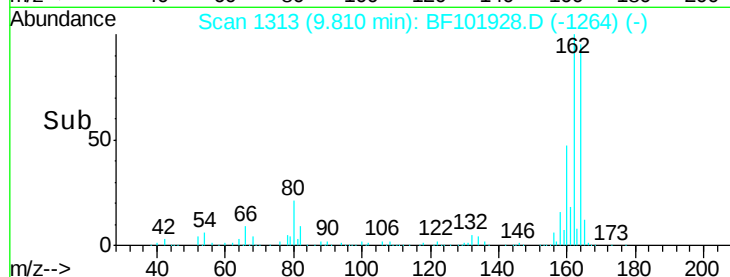
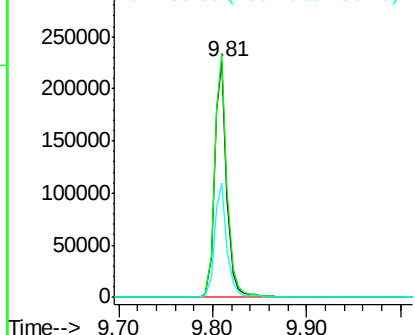
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tgt Ion:164 Resp: 209554
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 48.4 38.3 57.5

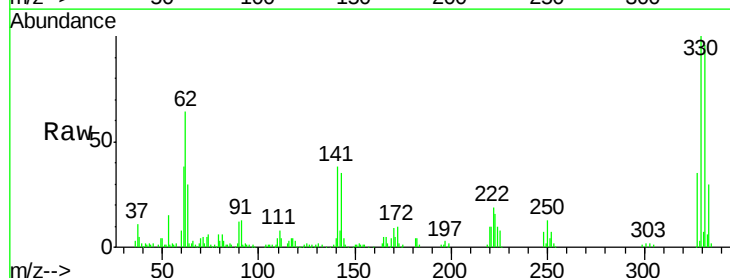


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

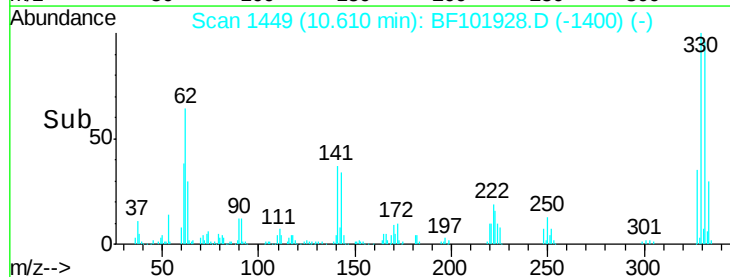
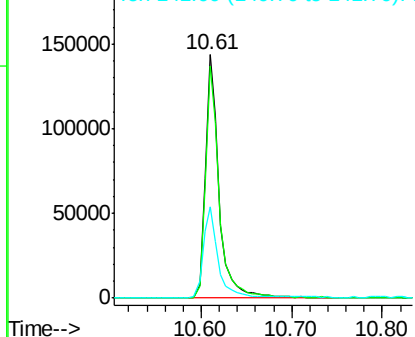


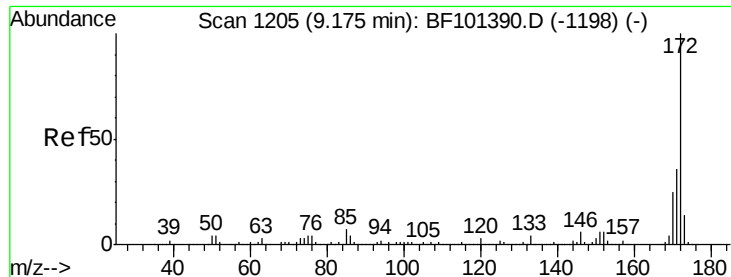
#41
2,4,6-Tribromophenol
Concen: 76.086 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:330 Resp: 153634
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 39.7 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

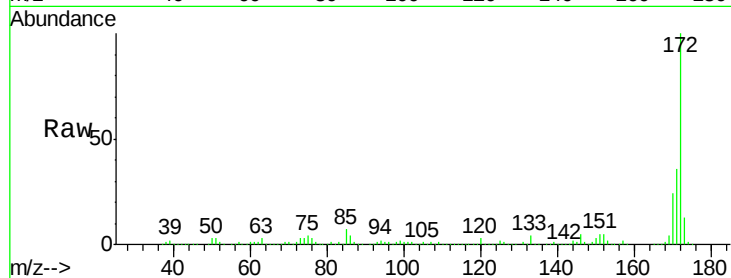




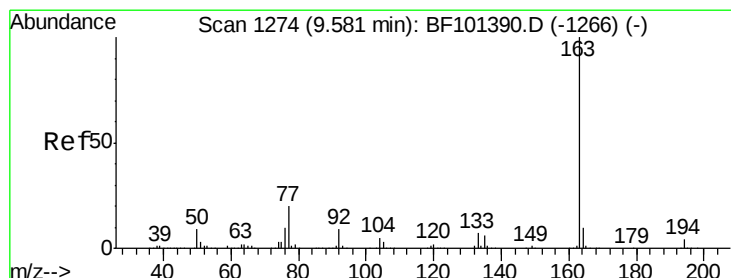
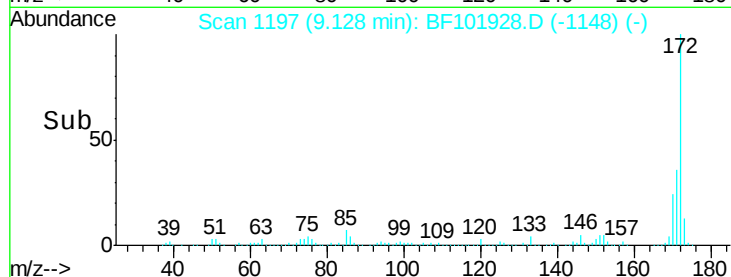
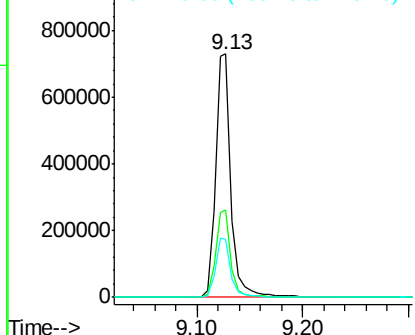
#44
2-Fluorobiphenyl
Concen: 55.920 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tgt Ion:172 Resp: 755408
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 23.7 19.6 29.4

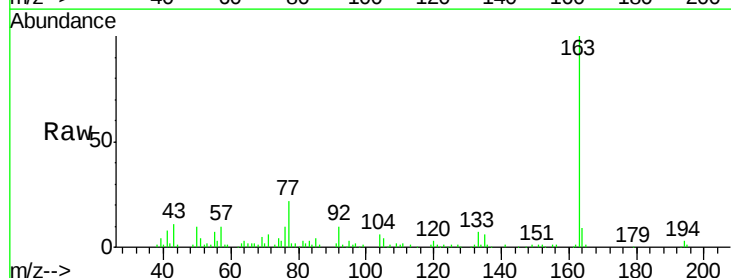


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

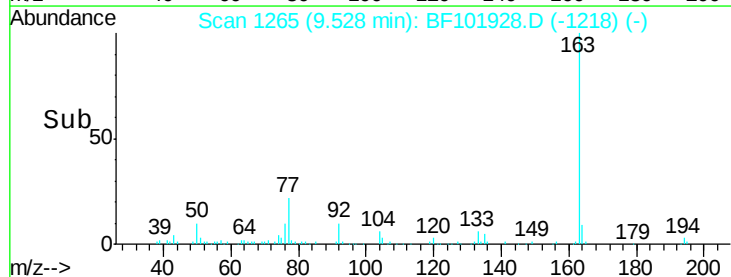
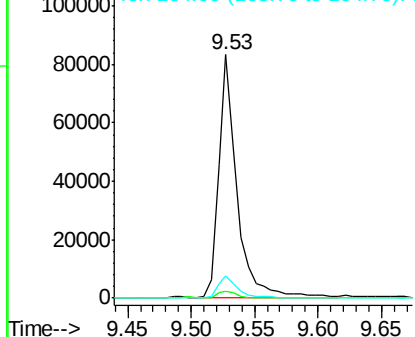


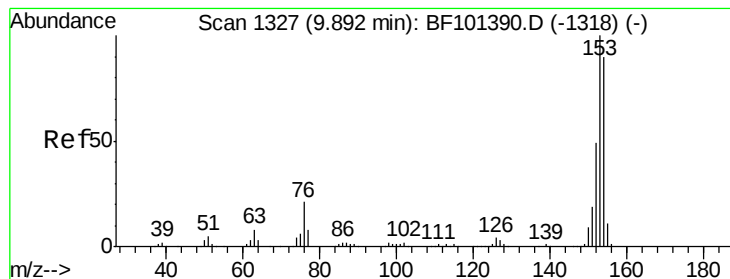
#49
Dimethylphthalate
Concen: 5.046 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:163 Resp: 85048
Ion Ratio Lower Upper
163 100
194 2.8 2.7 4.1
164 9.3 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





#51

Acenaphthene

Concen: 2.562 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

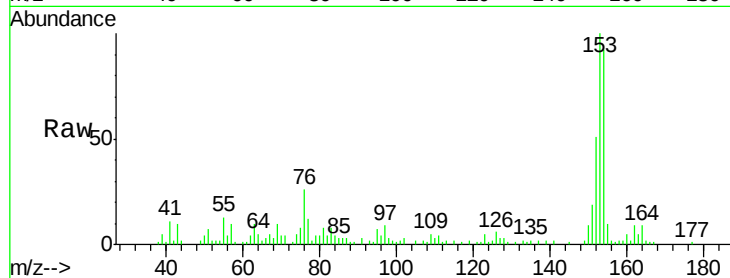
Tgt Ion:154 Resp: 34571

Ion Ratio Lower Upper

154 100

153 109.2 91.2 136.8

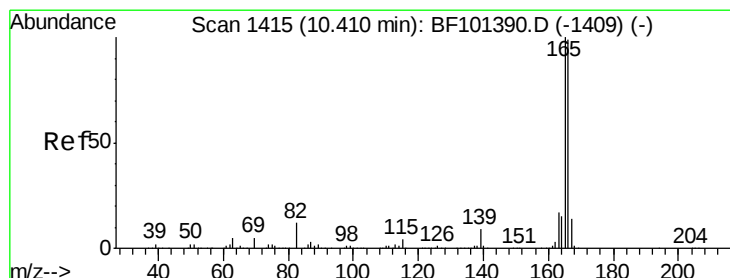
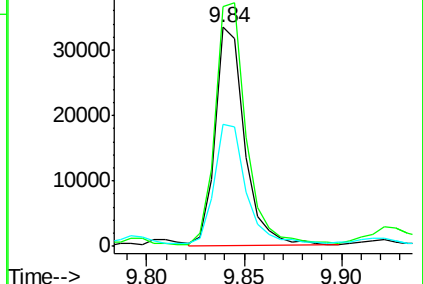
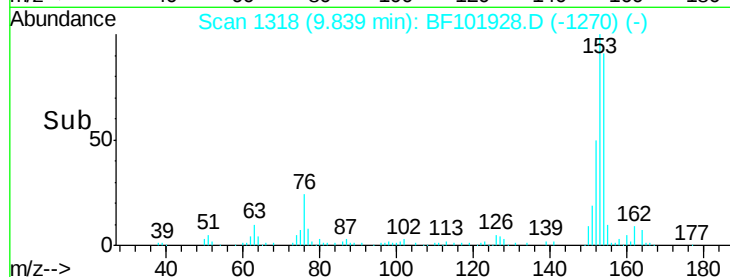
152 55.5 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.341 ng

RT: 10.36 min Scan# 1407

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

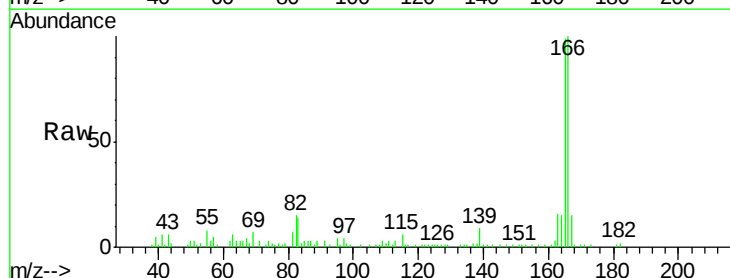
Tgt Ion:166 Resp: 48469

Ion Ratio Lower Upper

166 100

165 99.0 79.8 119.8

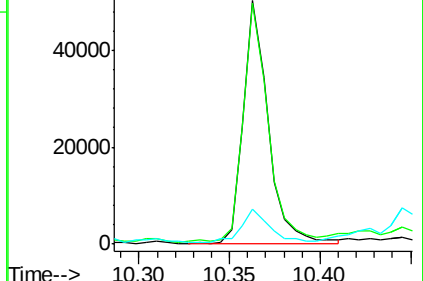
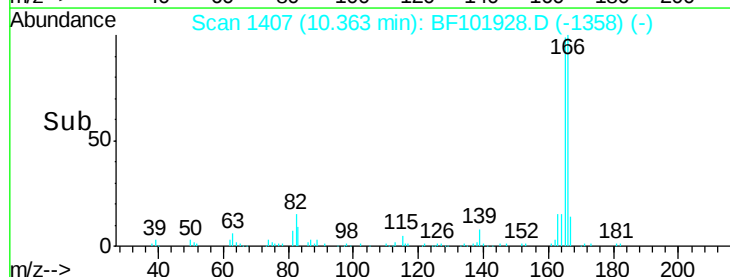
167 14.6 10.6 16.0

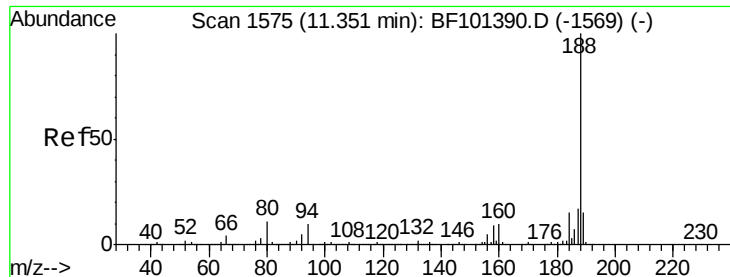


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

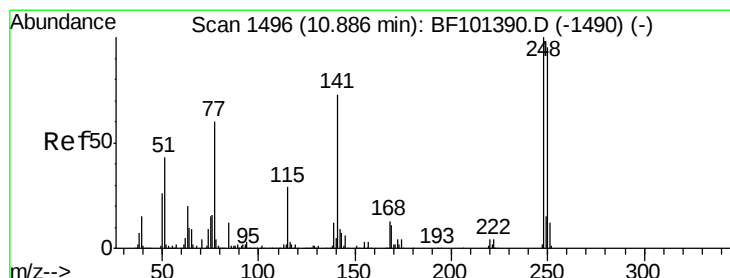
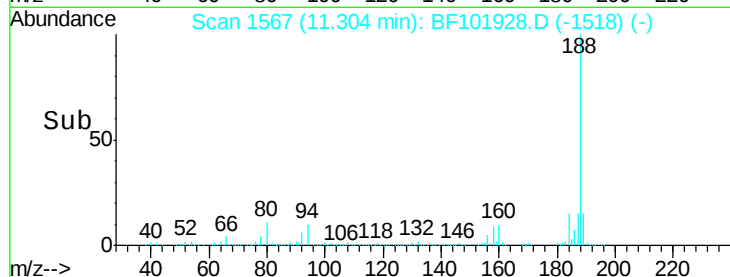
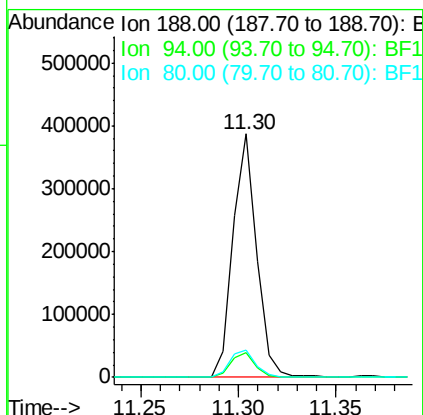
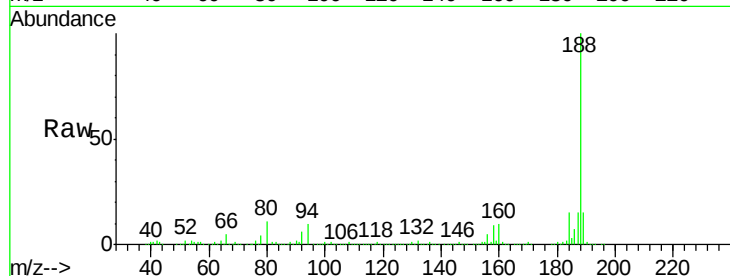




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

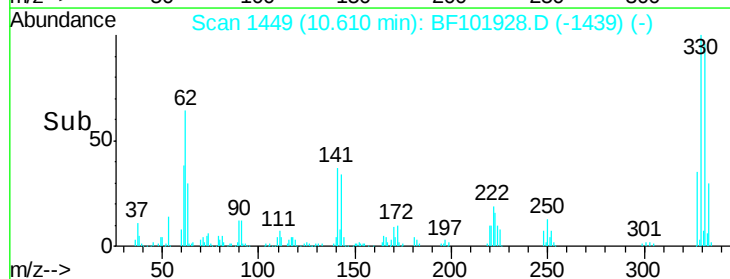
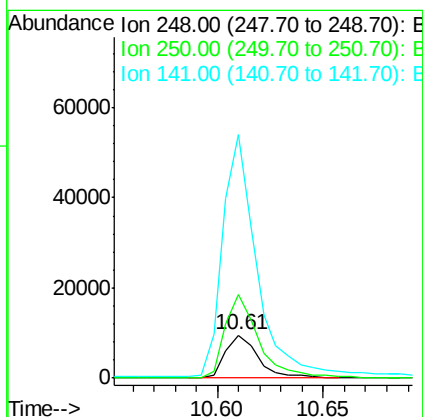
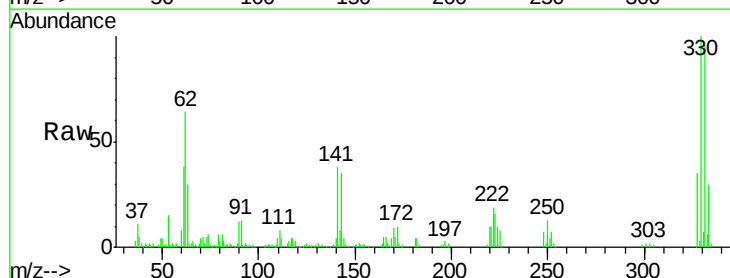
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

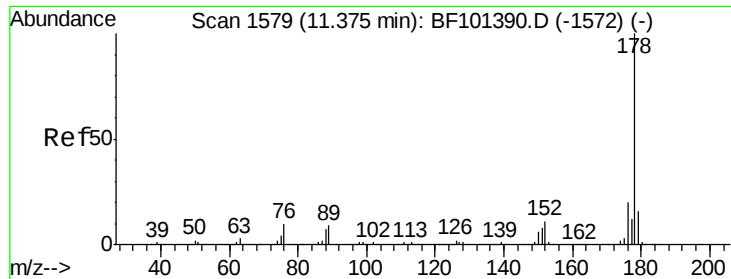
Tgt Ion:188 Resp: 326624
Ion Ratio Lower Upper
188 100
94 10.2 8.5 12.7
80 11.0 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.792 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:248 Resp: 10248
Ion Ratio Lower Upper
248 100
250 194.4 76.9 115.3#
141 565.5 74.4 111.6#

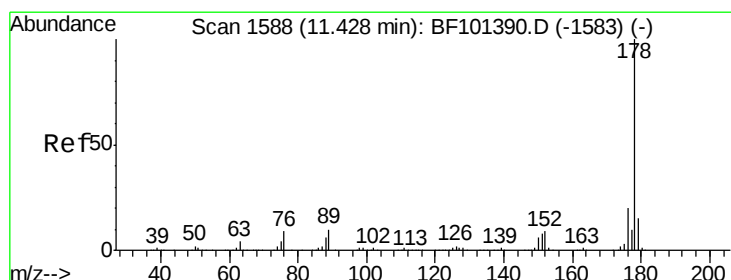
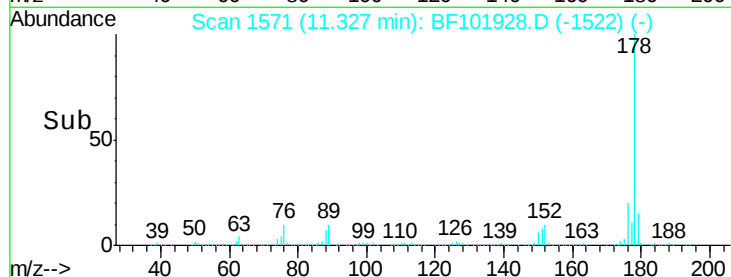
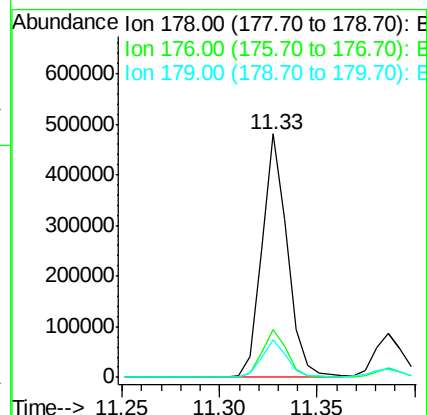
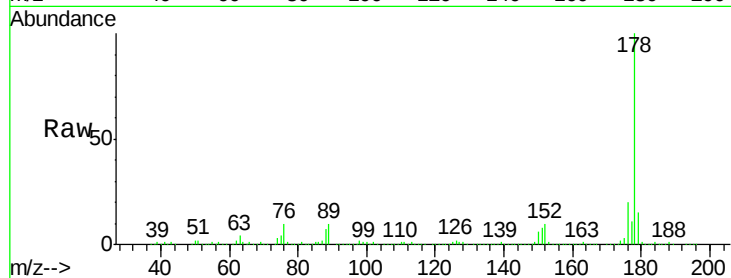




#70
Phenanthrene
Concen: 23.758 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

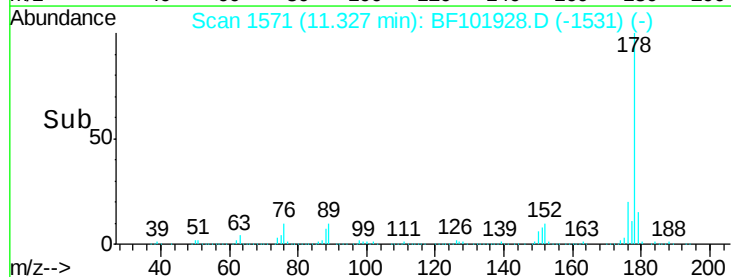
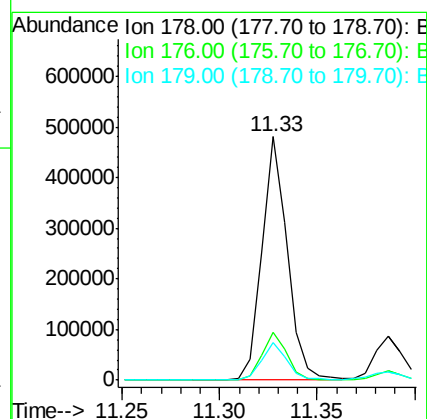
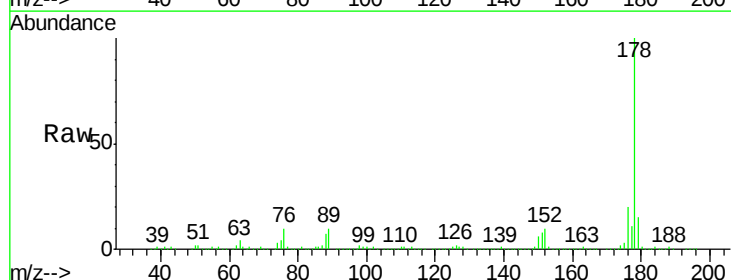
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

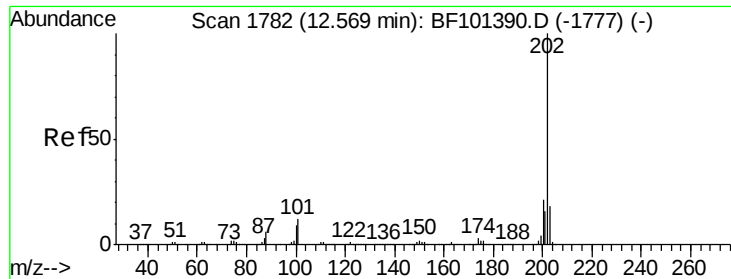
Tgt Ion:178 Resp: 431542
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 15.3 13.0 19.6



#71
Anthracene
Concen: 23.259 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.06 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:178 Resp: 431542
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.2
179 15.3 12.6 19.0





#74

Fluoranthene

Concen: 21.244 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

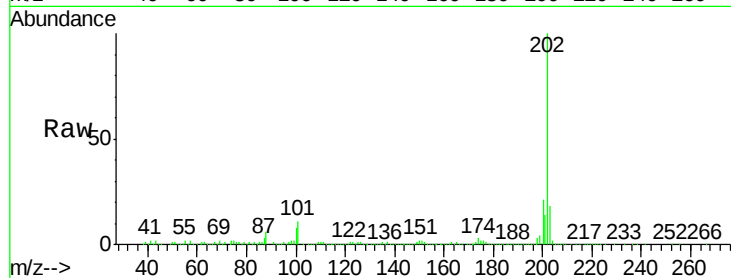
Tgt Ion: 202 Resp: 405024

Ion Ratio Lower Upper

202 100

101 11.4 0.0 34.1

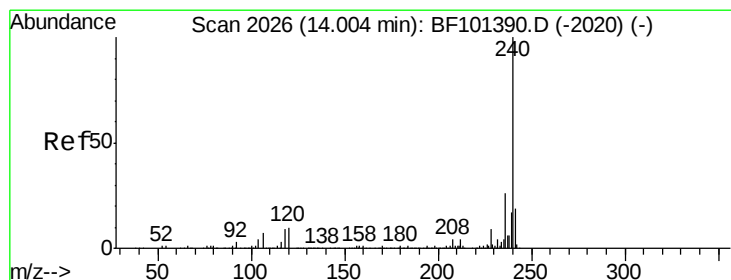
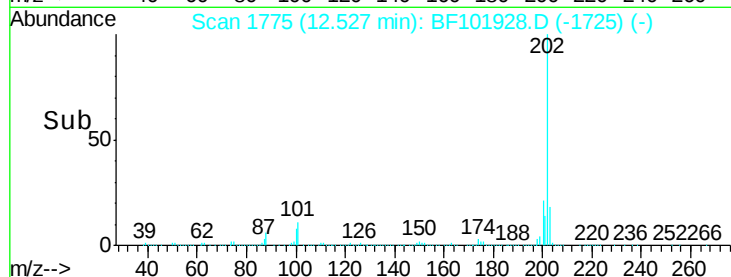
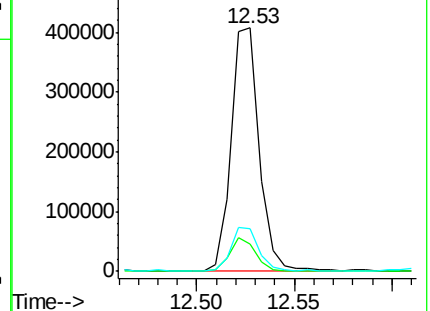
203 17.7 0.0 38.1



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: BF101928.D

Acq: 5 Jan 2018 14:34

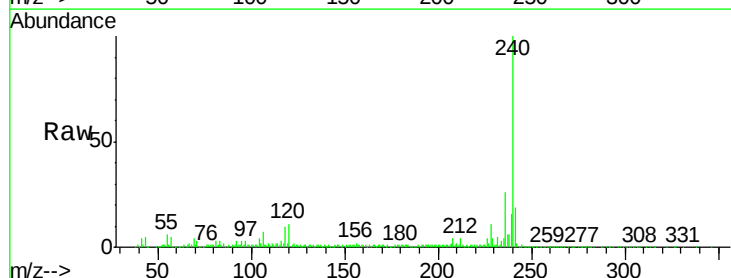
Tgt Ion: 240 Resp: 259871

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

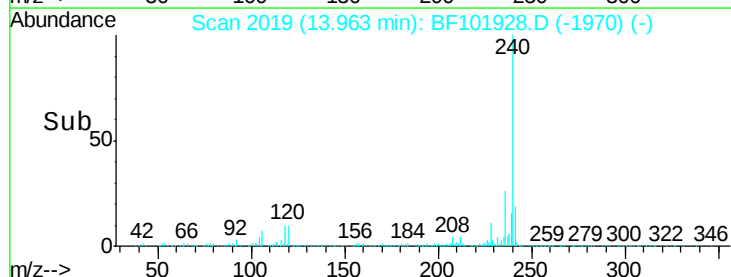
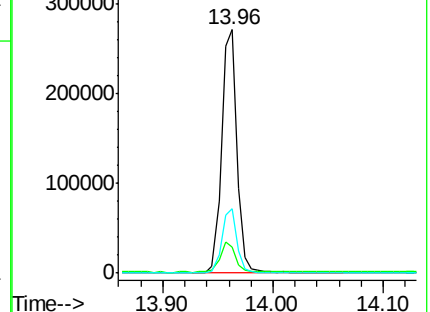
236 26.3 20.7 31.1

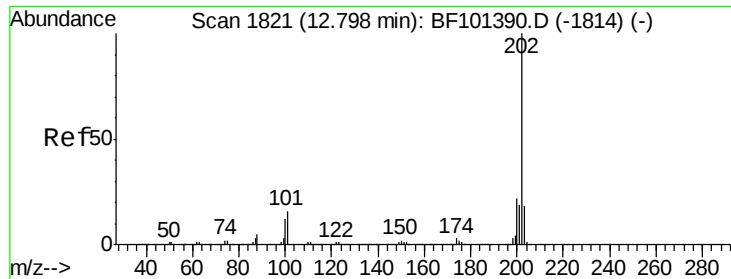


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

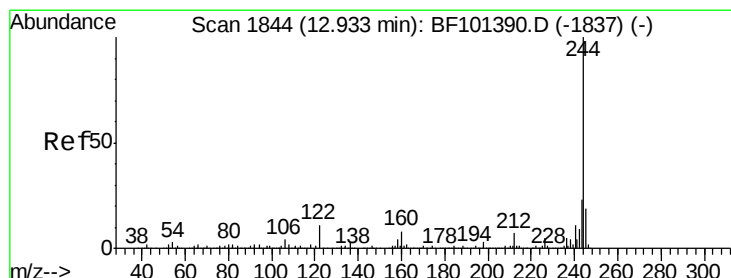
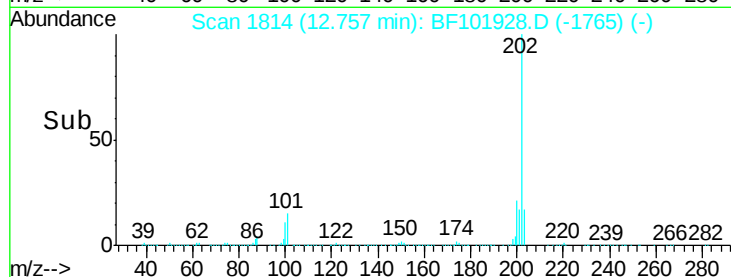
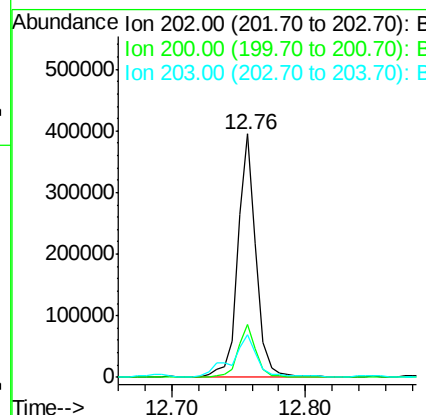
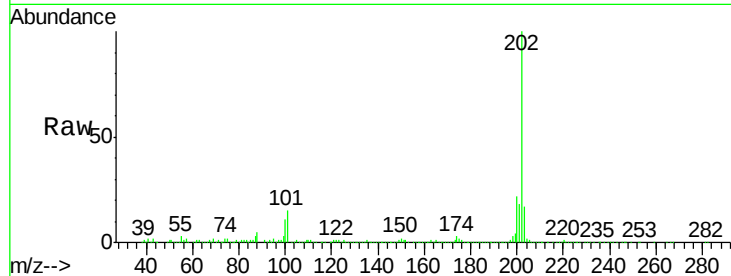




#77
Pyrene
Concen: 19.068 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

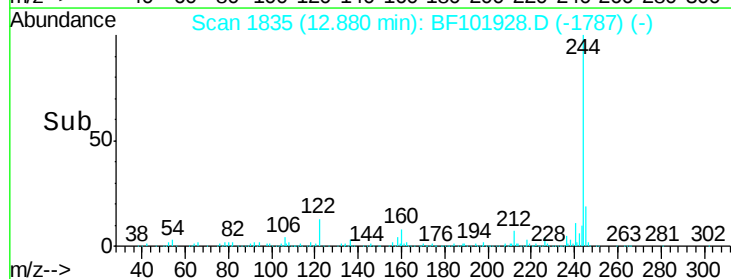
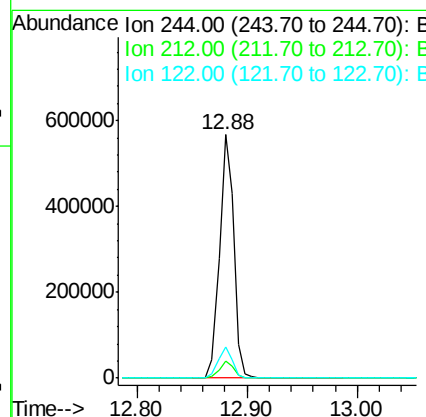
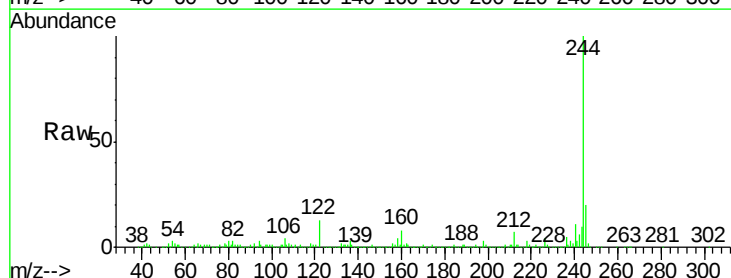
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

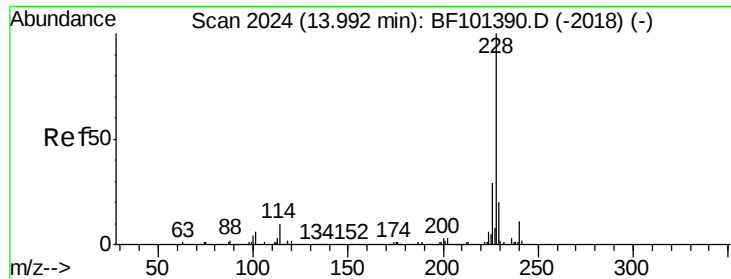
Tgt Ion: 202 Resp: 371891
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.5 14.3 21.5



#78
Terphenyl-d14
Concen: 46.718 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.02 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion: 244 Resp: 503603
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 12.9 11.0 16.4

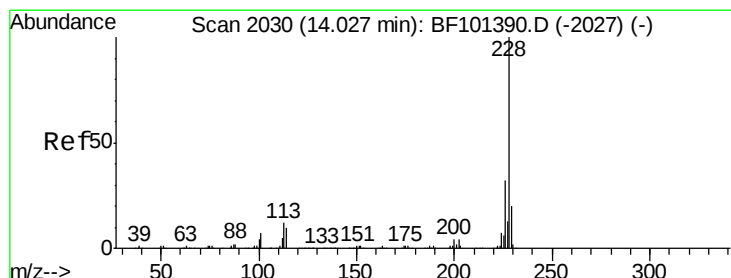
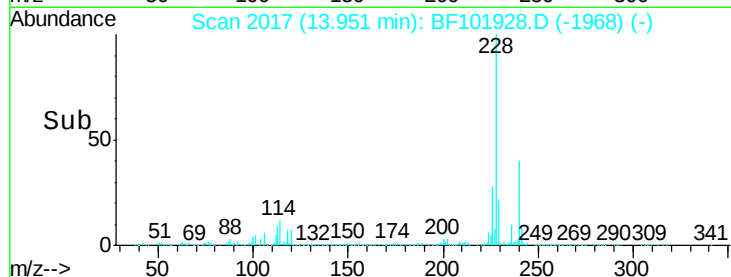
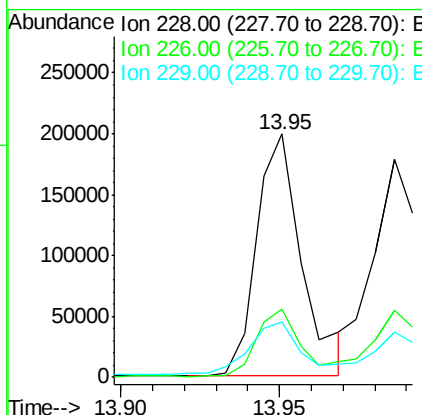
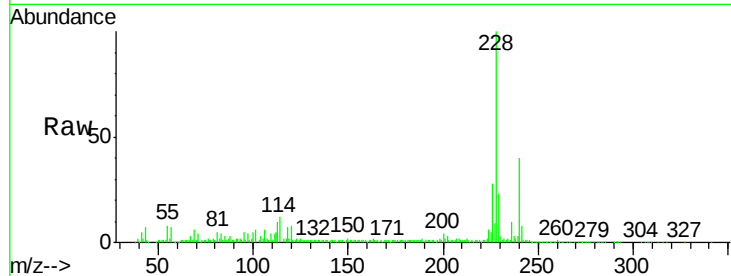




#80
Benzo(a)anthracene
Concen: 11.451 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

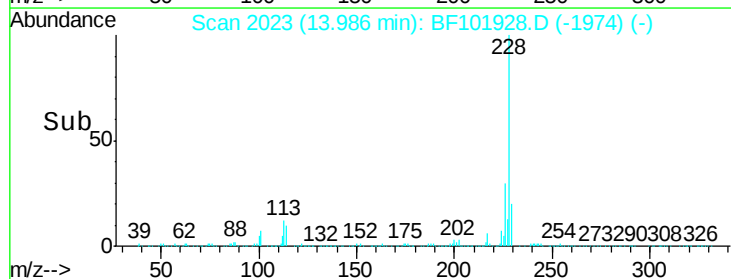
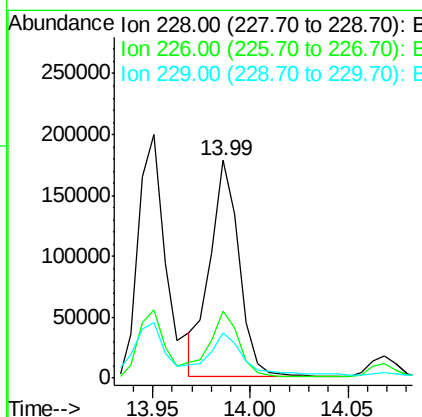
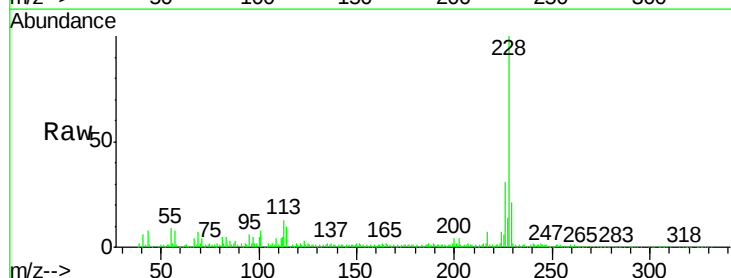
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

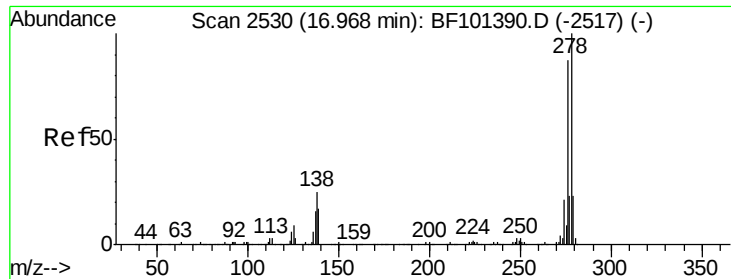
Tgt Ion:228 Resp: 196504
Ion Ratio Lower Upper
228 100
226 28.3 22.6 33.8
229 22.8 15.8 23.6



#82
Chrysene
Concen: 11.332 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion:228 Resp: 183605
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 20.9 16.2 24.4

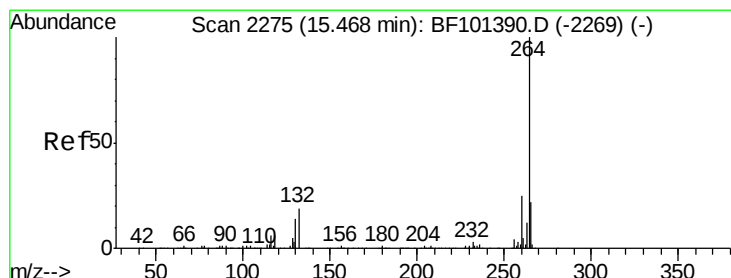
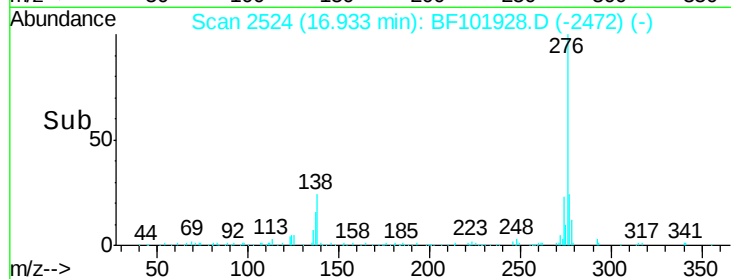
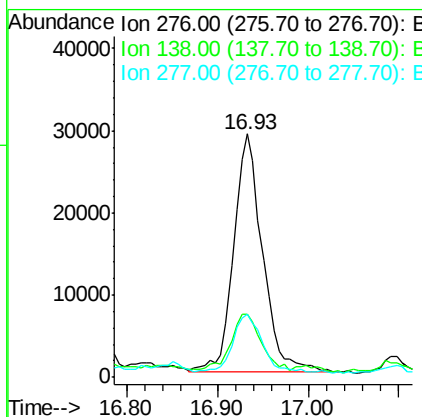
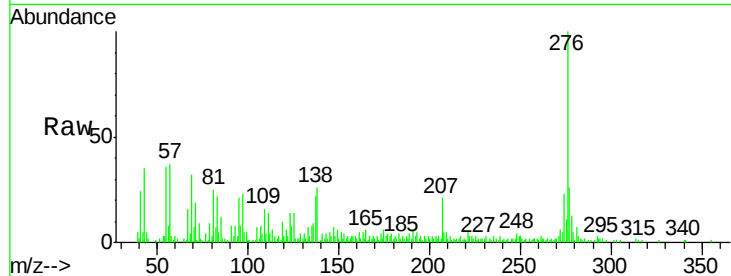




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.468 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. 0.01 min
 Lab File: BF101928.D
 Acq: 5 Jan 2018 14:34

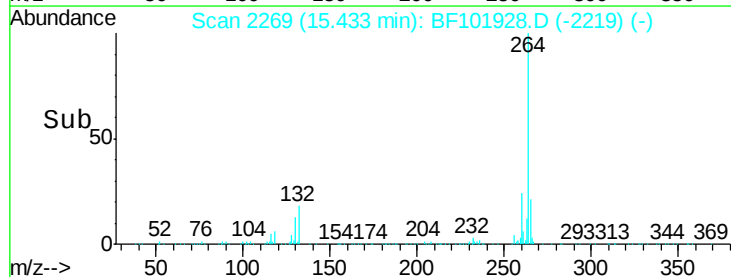
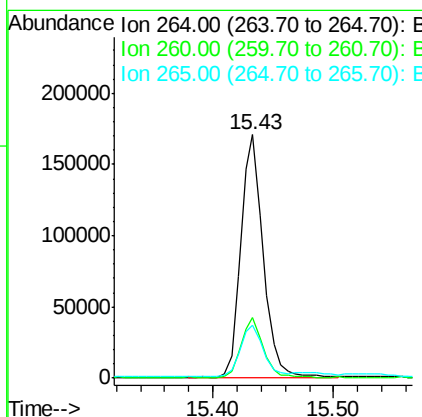
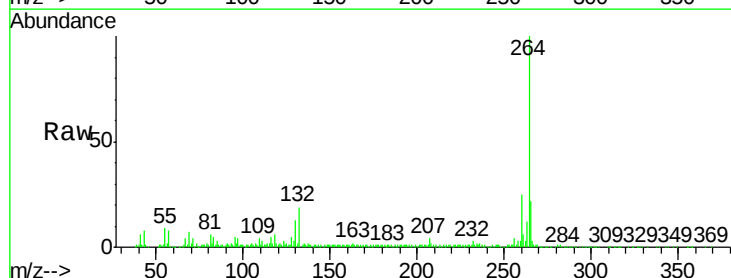
Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

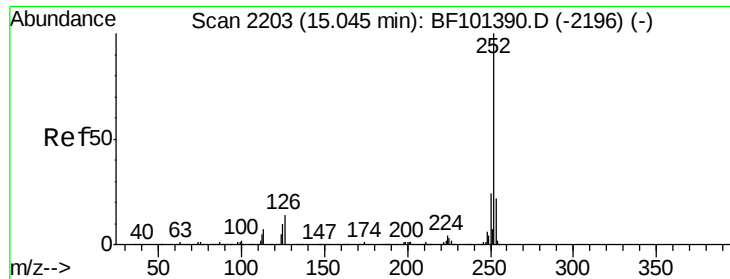
Tgt Ion: 276 Resp: 64457
 Ion Ratio Lower Upper
 276 100
 138 25.4 25.0 37.6
 277 24.1 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF101928.D
 Acq: 5 Jan 2018 14:34

Tgt Ion: 264 Resp: 219497
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.2 28.8
 265 21.6 17.5 26.3

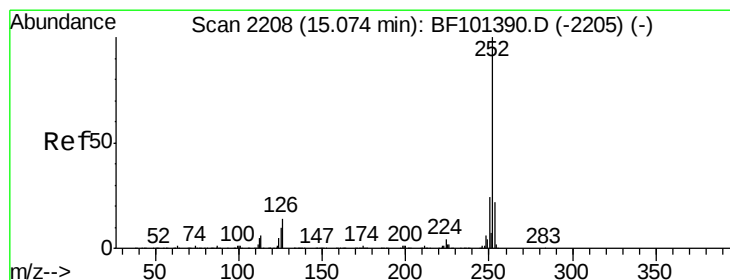
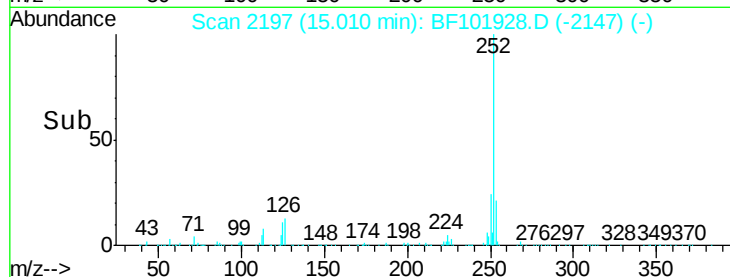
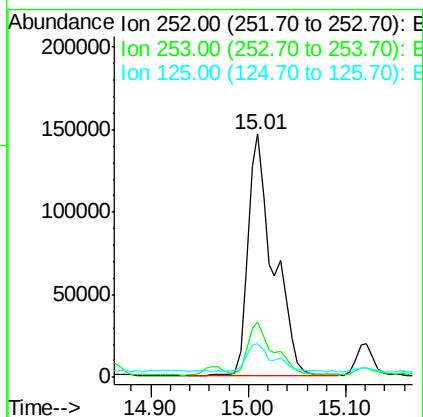
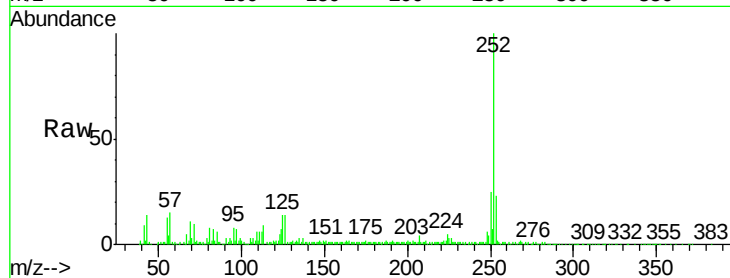




#87
Benzo(b)fluoranthene
Concen: 19.938 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

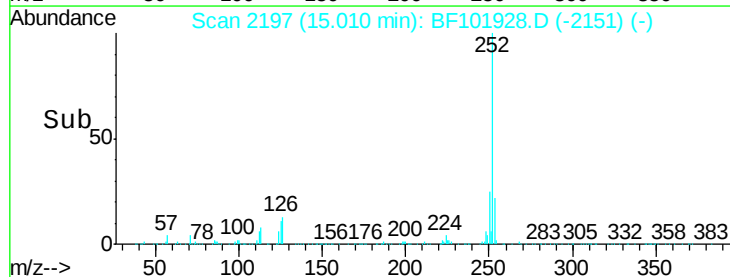
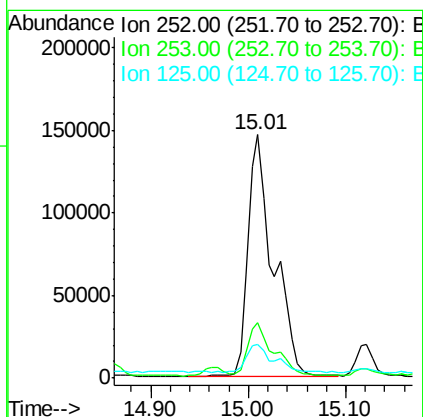
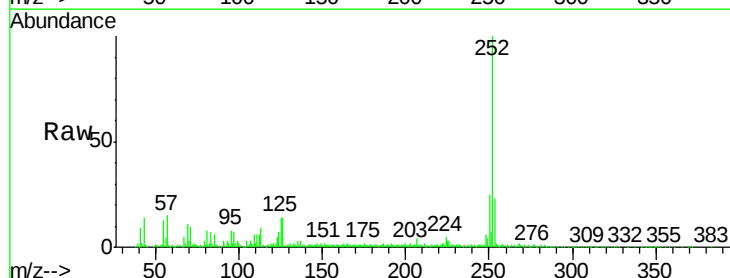
Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

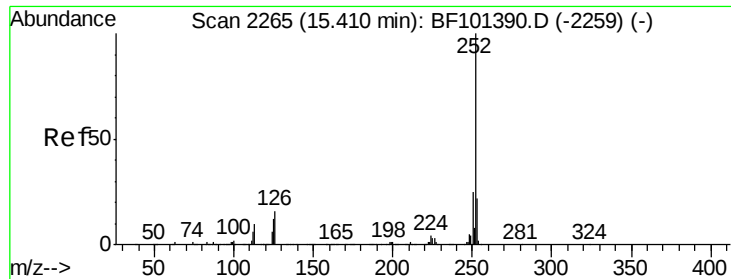
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.8	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 20.507 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF101928.D
Acq: 5 Jan 2018 14:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	13.8	10.2	15.2





#89

Benzo(a)pyrene

Concen: 11.009 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

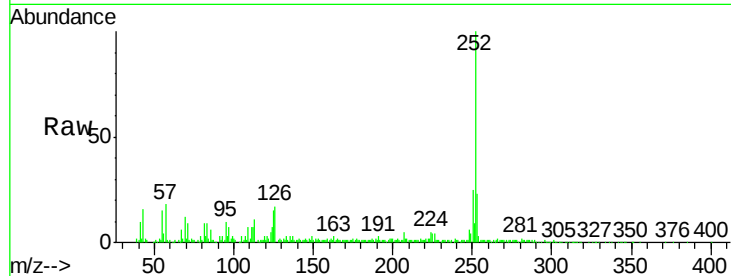
Tgt Ion:252 Resp: 135779

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

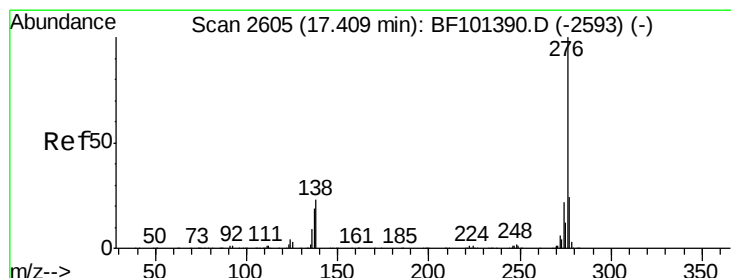
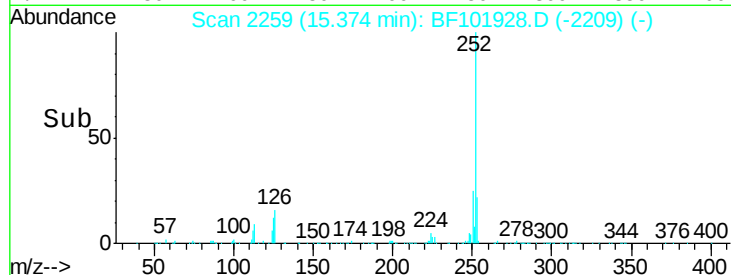
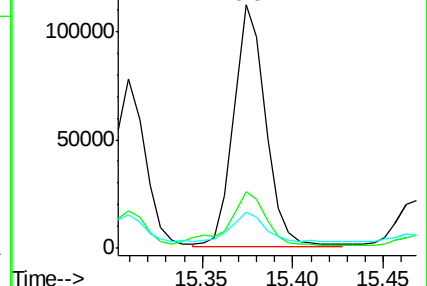
125 15.1 9.8 14.6#



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: 5.685 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.02 min

Lab File: BF101928.D

Acq: 5 Jan 2018 14:34

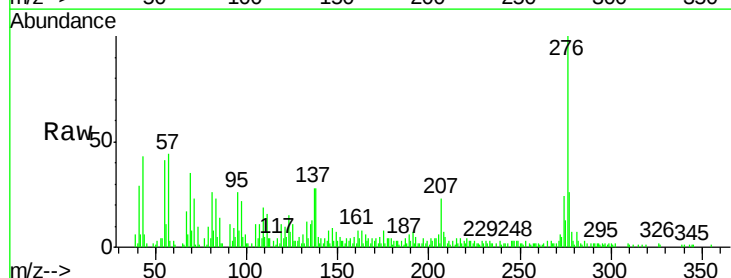
Tgt Ion:276 Resp: 59612

Ion Ratio Lower Upper

276 100

277 25.9 17.9 26.9

138 28.2 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

