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 Data File : BF101927.D
 Acq On : 5 Jan 2018 14:07
 Operator : SJ/JU
 Sample : J1004-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Quant Time: Jan 05 15:04:39 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

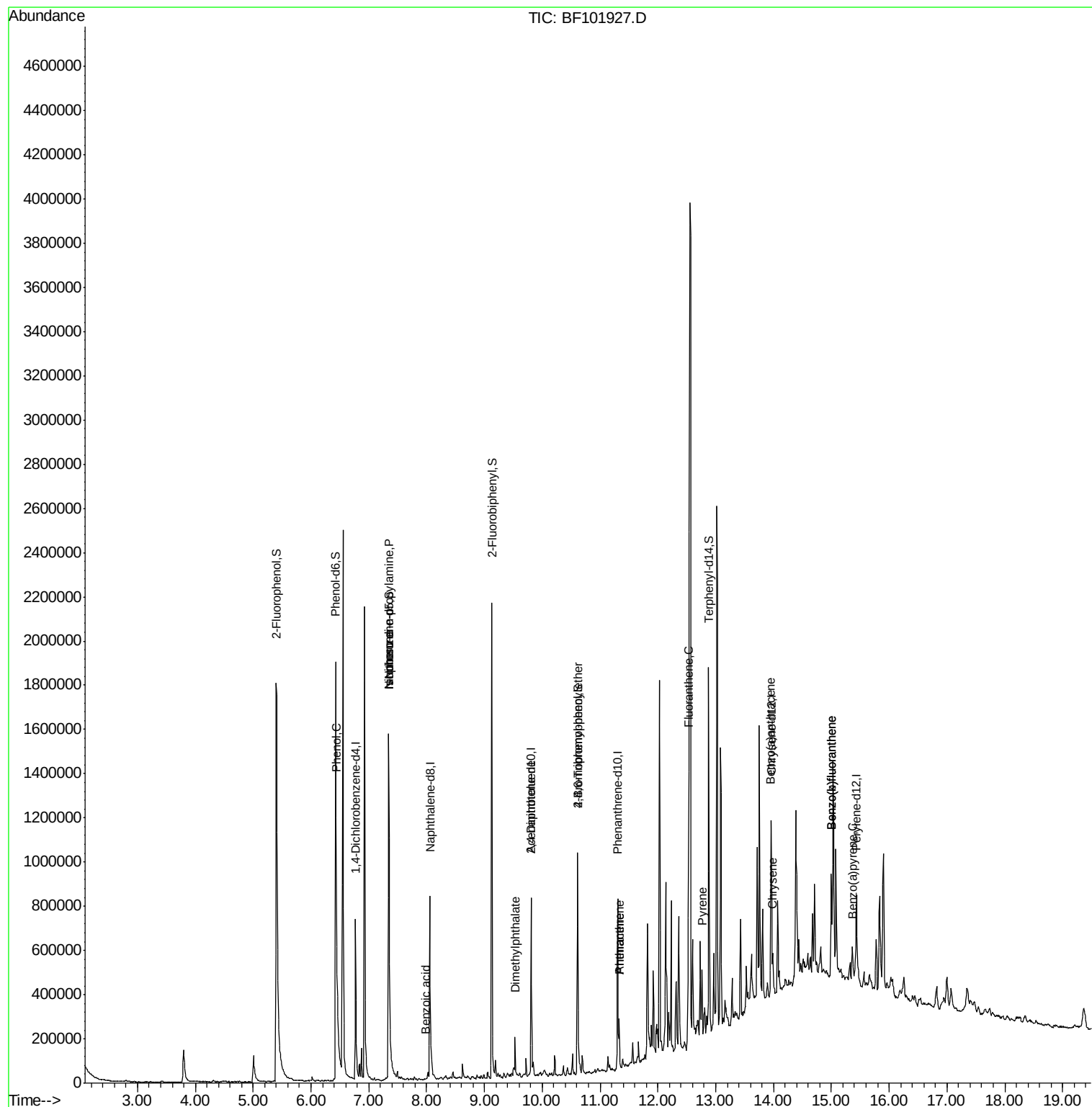
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	132564	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	466113	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	155343	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	270303	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	285267	20.00	ng	-0.01
86) Perylene-d12	15.43	264	213859	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	949512	106.69	ng	0.00
7) Phenol-d6	6.43	99	1080332	97.54	ng	0.00
23) Nitrobenzene-d5	7.35	82	667655	79.74	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	123139	82.27	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	746536	74.55	ng	-0.01
78) Terphenyl-d14	12.89	244	616305	52.08	ng	-0.01
Target Compounds						
10) Phenol	6.44	94	51622	4.089	ng	# 31
19) n-Nitroso-di-n-propylamine	7.35	70	88966	12.231	ng	# 84
25) Isophorone	7.35	82	667655	39.747	ng	# 64
32) Benzoic acid	7.98	122	113	7.982	ng	# 57
49) Dimethylphthalate	9.53	163	72304	5.787	ng	99
56) 2,4-Dinitrotoluene	9.81	165	20871	7.294	ng	# 25
66) 4-Bromophenyl-phenylether	10.61	248	8055	2.652	ng	# 1
70) Phenanthrene	11.33	178	79311	5.276	ng	98
71) Anthracene	11.33	178	79311	5.165	ng	99
74) Fluoranthene	12.53	202	135152	8.566	ng	99
77) Pyrene	12.76	202	112824	5.270	ng	99
80) Benzo(a)anthracene	13.95	228	56348	2.991	ng	96
82) Chrysene	13.99	228	59103	3.323	ng	97
87) Benzo(b)fluoranthene	15.01	252	66870	5.130	ng	# 86
88) Benzo(k)fluoranthene	15.01	252	66870	5.276	ng	# 89
89) Benzo(a)pyrene	15.38	252	32600	2.713	ng	# 83

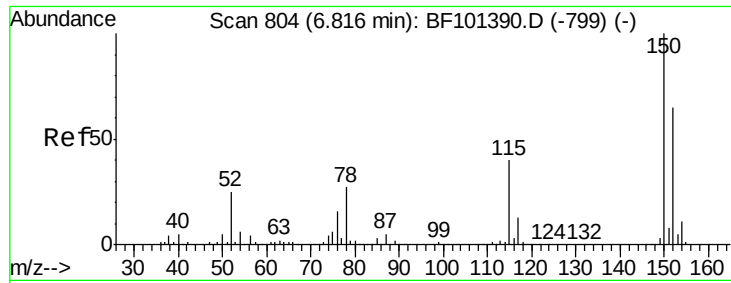
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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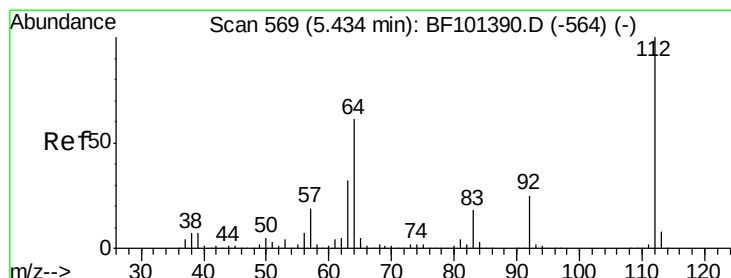
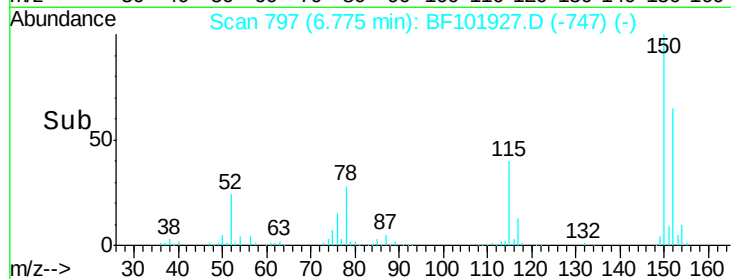
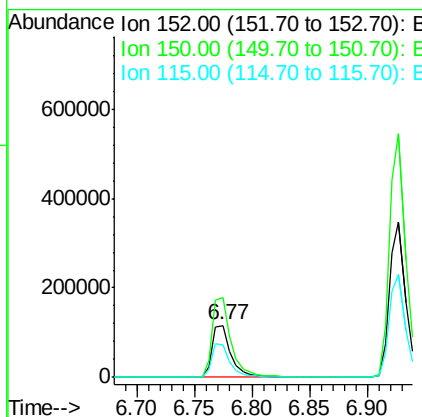
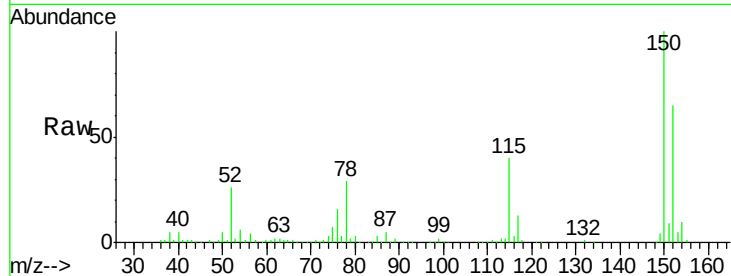




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 797
 Delta R.T. -0.01 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

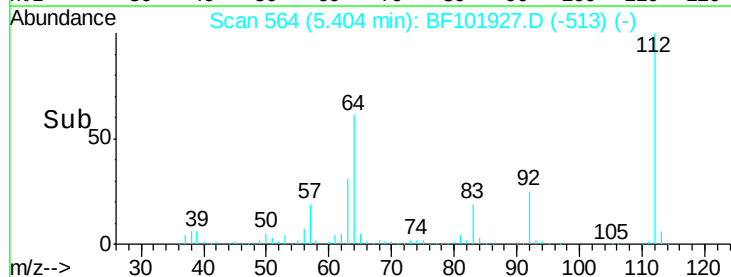
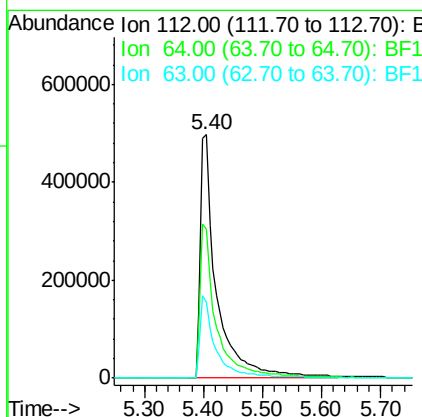
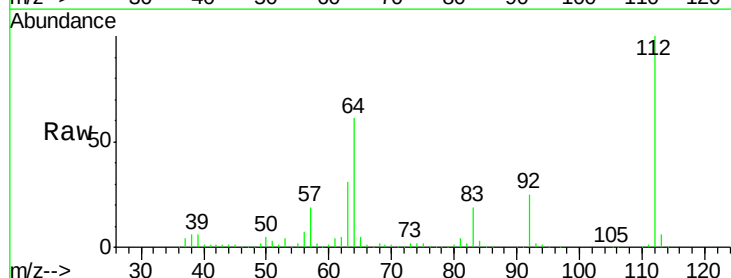
Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

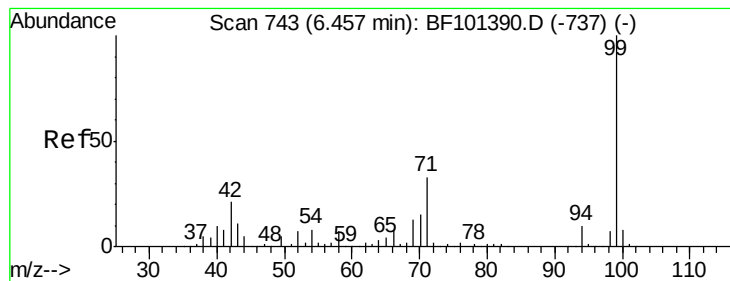
Tgt Ion:152 Resp: 132564
 Ion Ratio Lower Upper
 152 100
 150 153.8 124.6 186.8
 115 62.1 50.1 75.1



#5
 2-Fluorophenol
 Concen: 106.694 ng
 RT: 5.40 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Tgt Ion:112 Resp: 949512
 Ion Ratio Lower Upper
 112 100
 64 61.2 47.9 71.9
 63 31.4 23.7 35.5





#7

Phenol-d6

Concen: 97.541 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

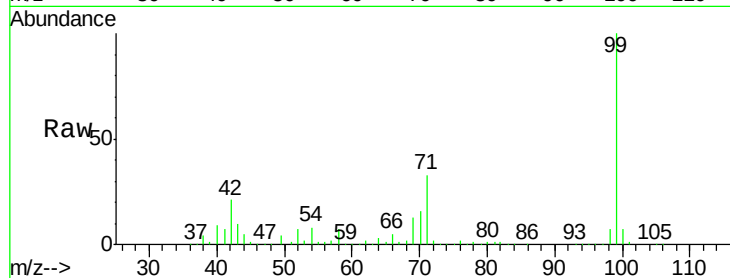
Tgt Ion: 99 Resp: 1080332

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

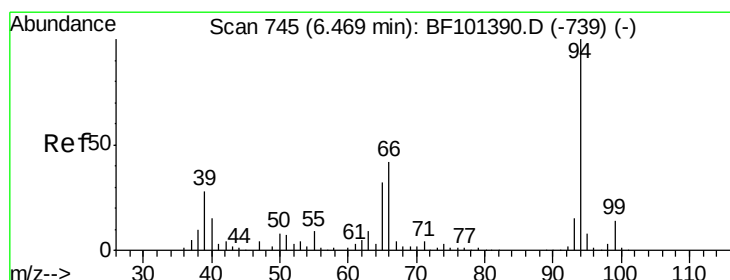
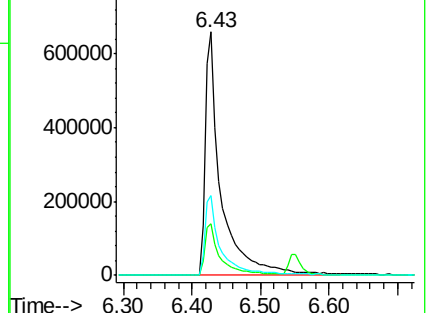
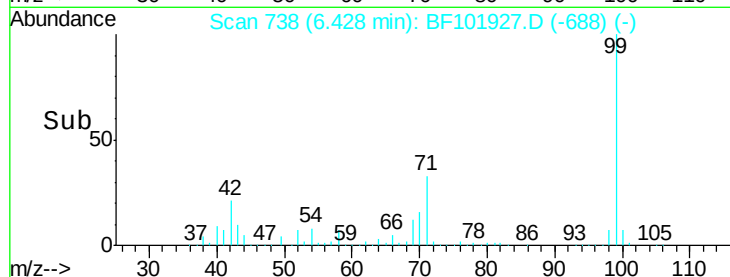
71 32.8 25.4 38.0



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: 4.089 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

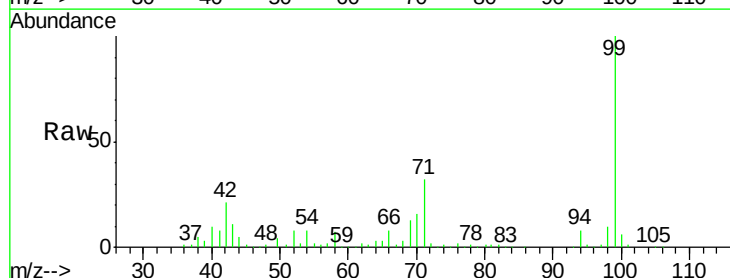
Tgt Ion: 94 Resp: 51622

Ion Ratio Lower Upper

94 100

65 40.0 7.9 47.9

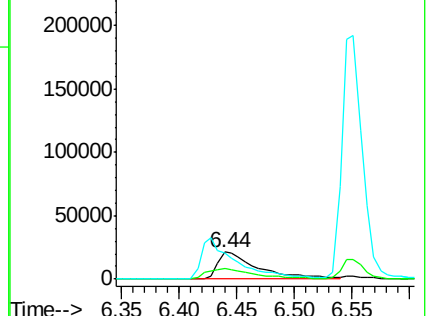
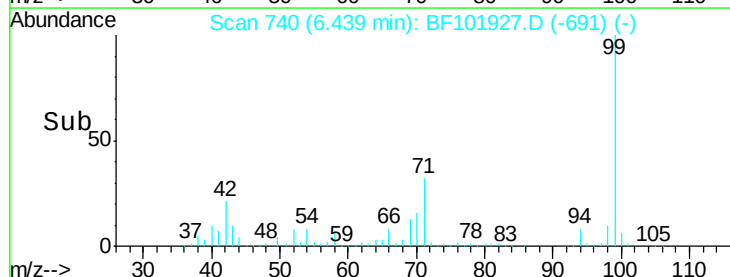
66 97.9 16.2 56.2#

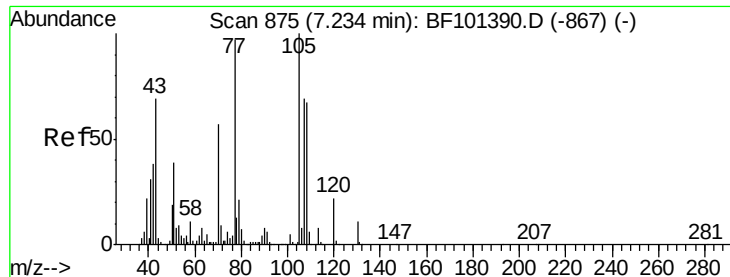


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

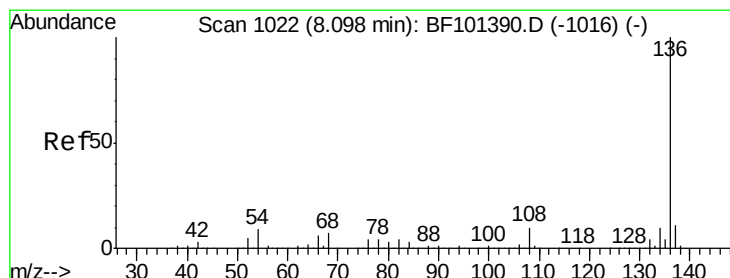
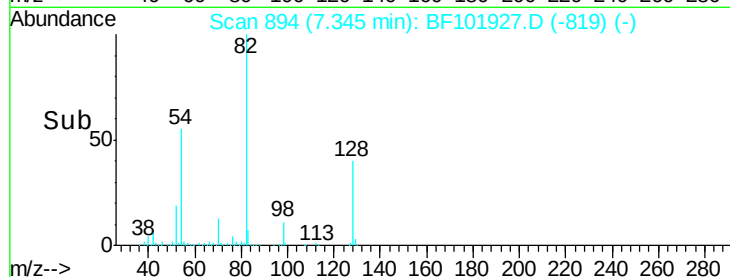
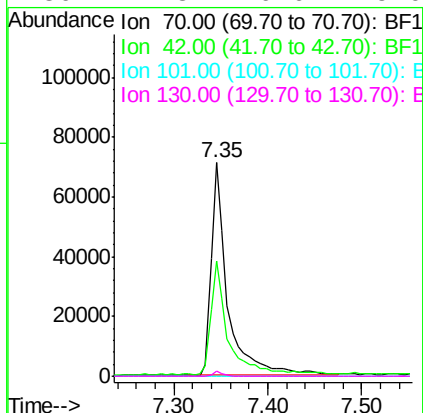
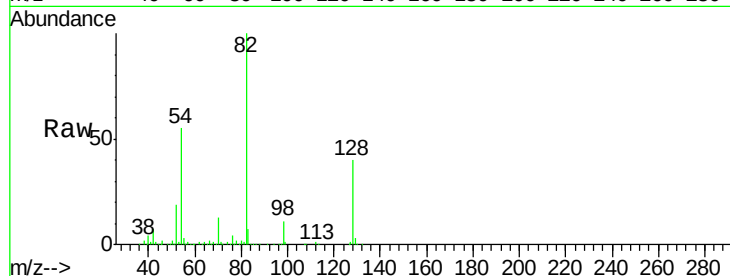




#19
n-Nitroso-di-n-propylamine
Concen: 12.231 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

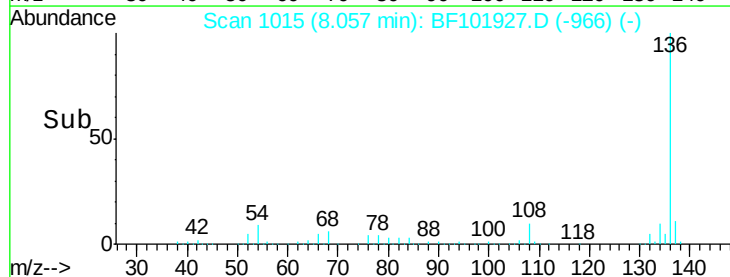
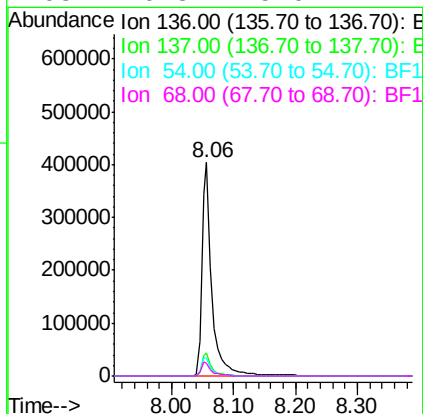
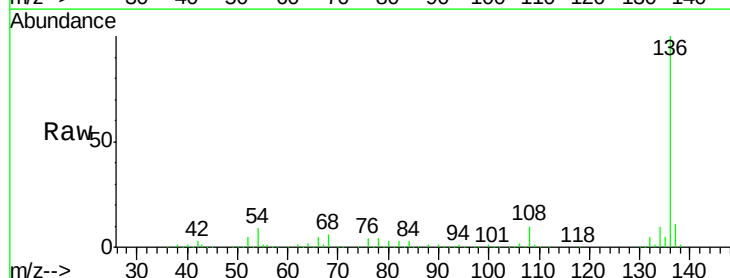
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

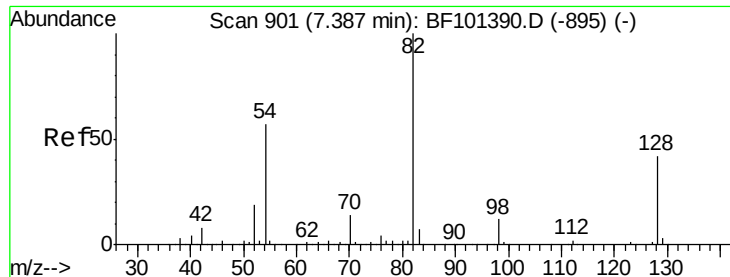
Tgt Ion: 70 Resp: 88966
Ion Ratio Lower Upper
70 100
42 54.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion: 136 Resp: 466113
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.7 6.6 9.8
68 6.3 5.0 7.4

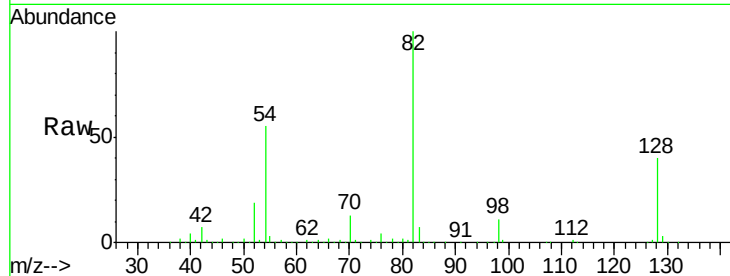




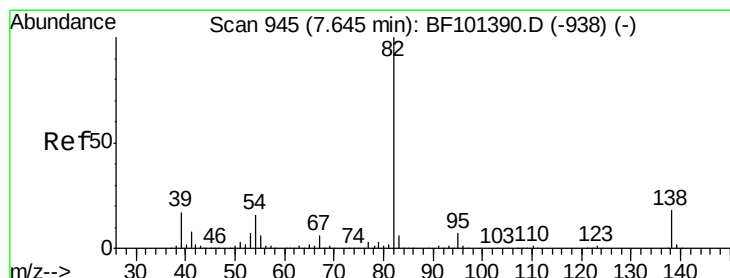
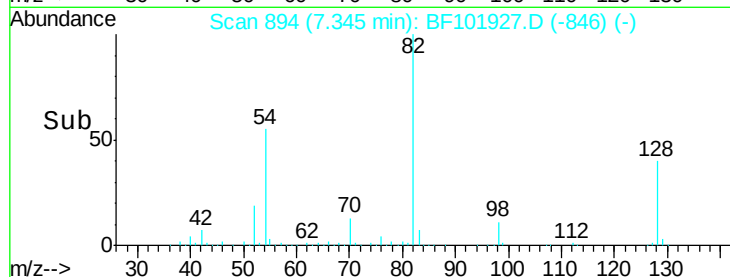
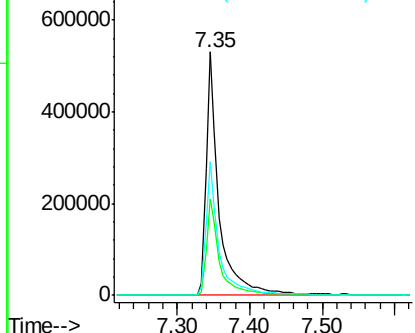
#23
 Nitrobenzene-d5
 Concen: 79.735 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.02 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-13-COMP

Tgt Ion: 82 Resp: 667655
 Ion Ratio Lower Upper
 82 100
 128 39.8 36.1 54.1
 54 55.1 41.4 62.2

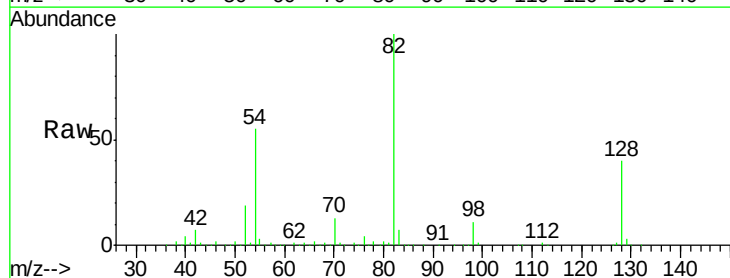


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

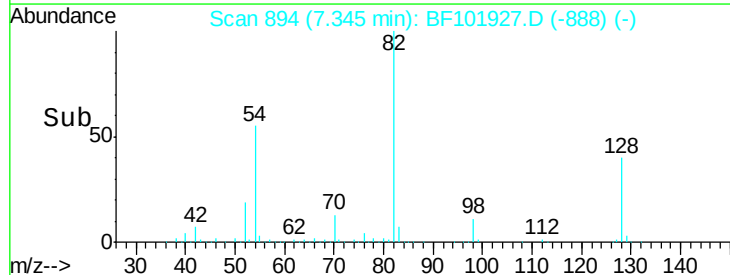
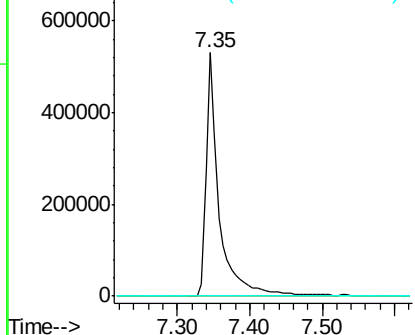


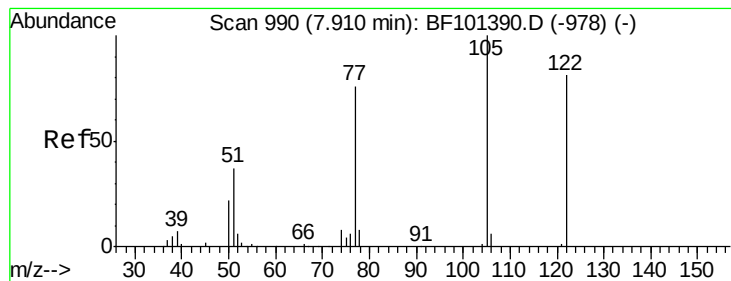
#25
 Isophorone
 Concen: 39.747 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Tgt Ion: 82 Resp: 667655
 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





#32

Benzoic acid

Concen: 7.982 ng

RT: 7.98 min Scan# 1002

Delta R.T. 0.08 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

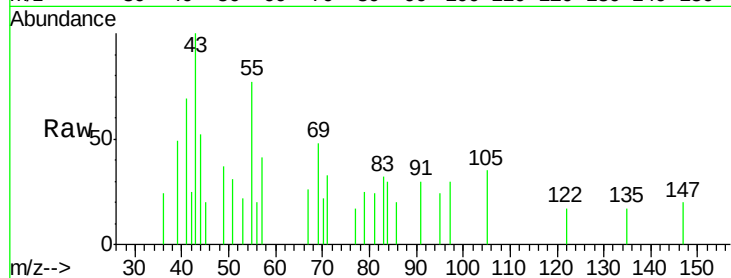
Tgt Ion:122 Resp: 113

Ion Ratio Lower Upper

122 100

105 201.3 101.1 141.1#

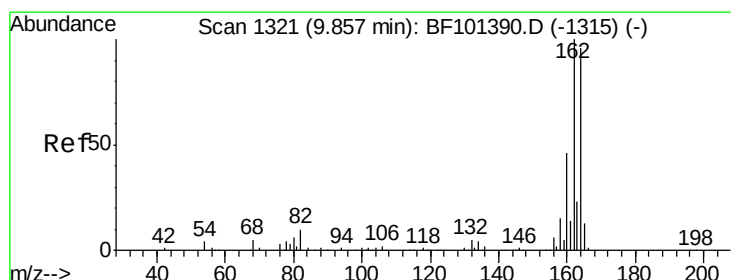
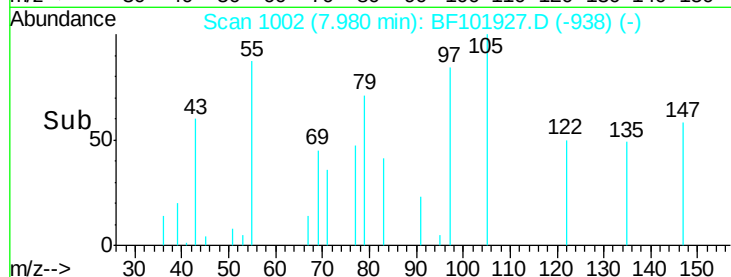
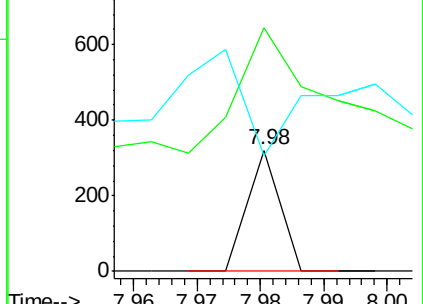
77 95.3 70.7 110.7



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: BF101927.D

Acq: 5 Jan 2018 14:07

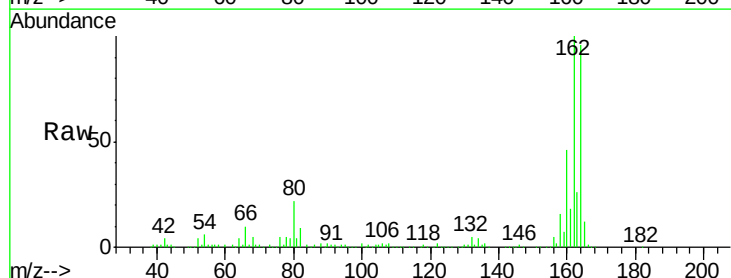
Tgt Ion:164 Resp: 155343

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

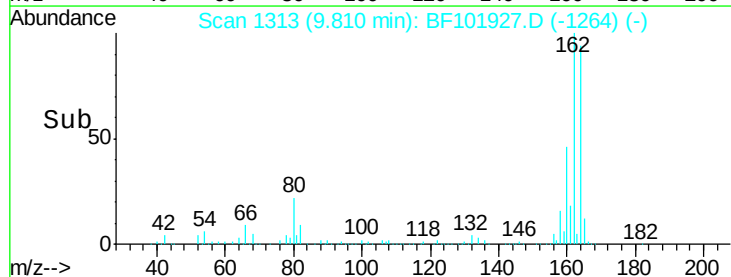
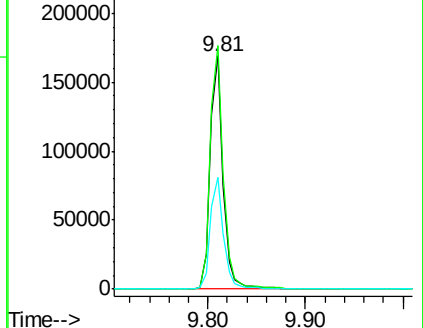
160 47.8 38.3 57.5

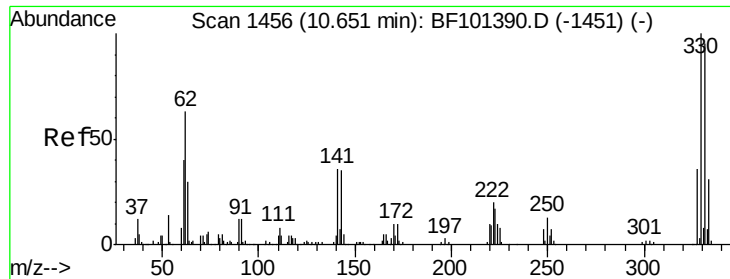


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

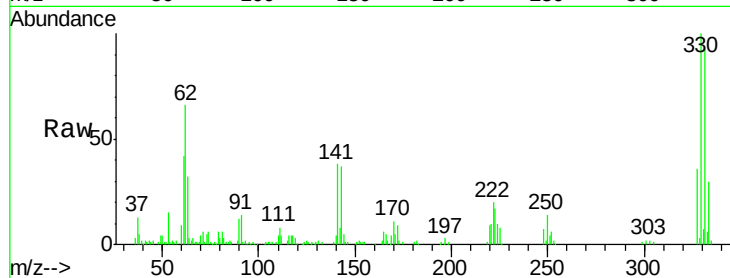




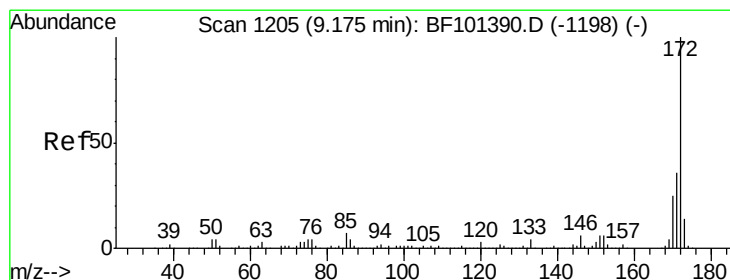
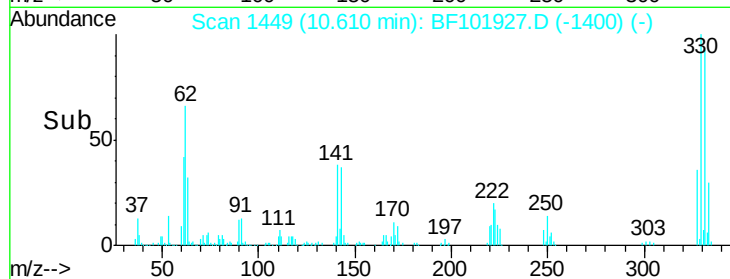
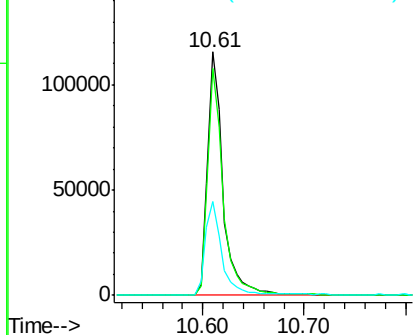
#41
 2,4,6-Tribromophenol
 Concen: 82.265 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.01 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Instrument :
 BNA_F
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 SB-13-COMP

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	41.4	29.9	44.9

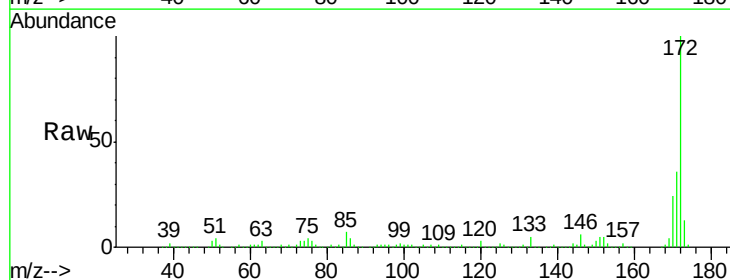


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

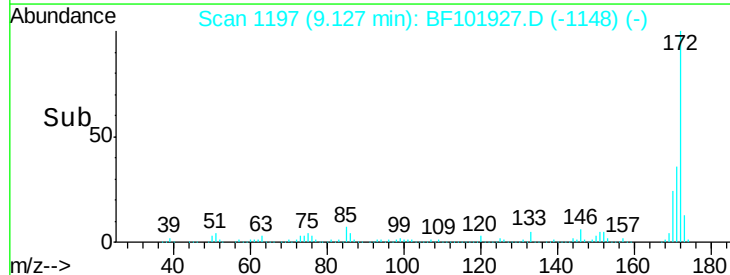
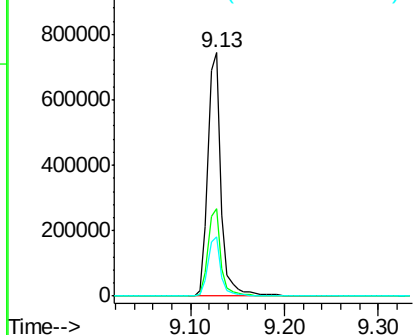


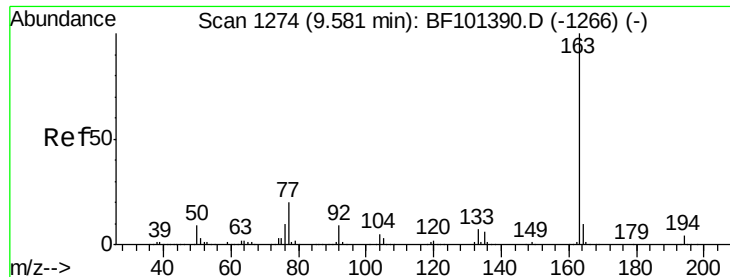
#44
 2-Fluorobiphenyl
 Concen: 74.548 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF101927.D
 Acq: 5 Jan 2018 14:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	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: 5.787 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

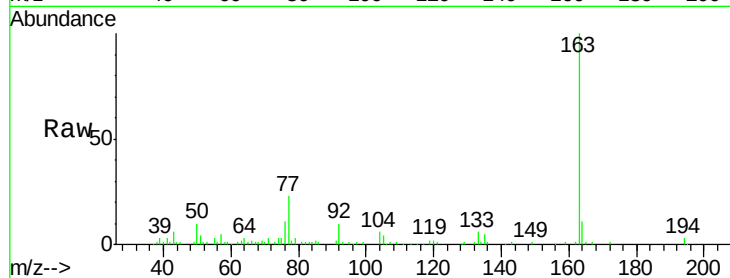
Tgt Ion:163 Resp: 72304

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

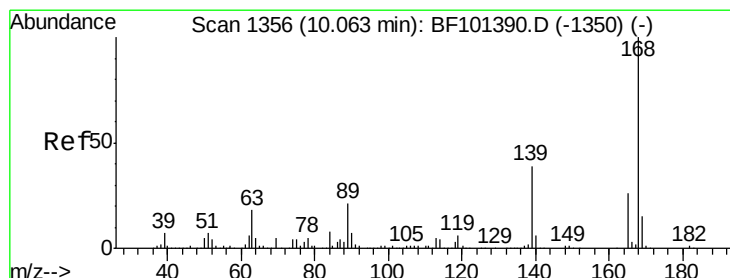
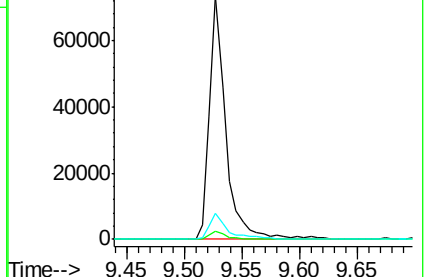
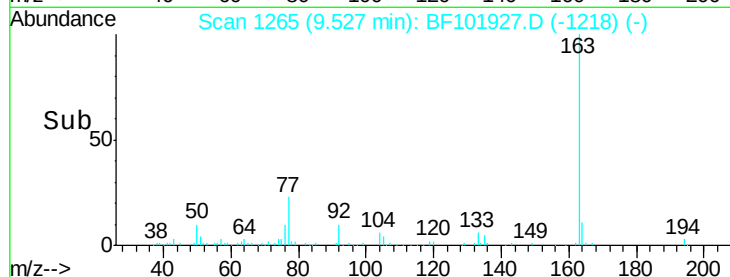
164 10.5 8.2 12.2



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: 7.294 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.24 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Tgt Ion:165 Resp: 20871

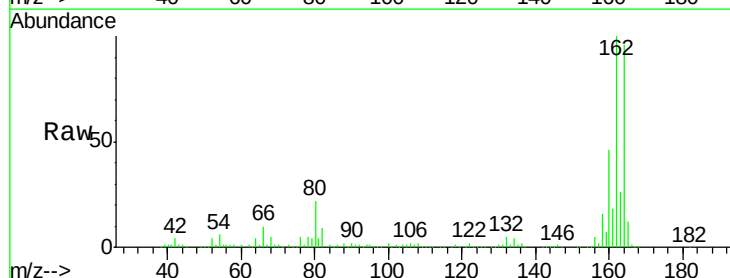
Ion Ratio Lower Upper

165 100

63 2.3 36.4 54.6#

89 3.3 57.8 86.6#

182 1.9 1.6 2.4

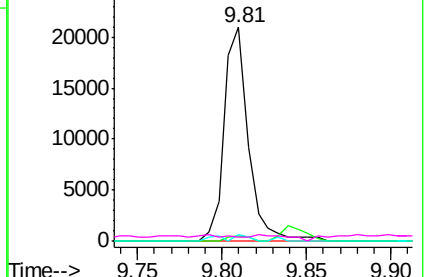
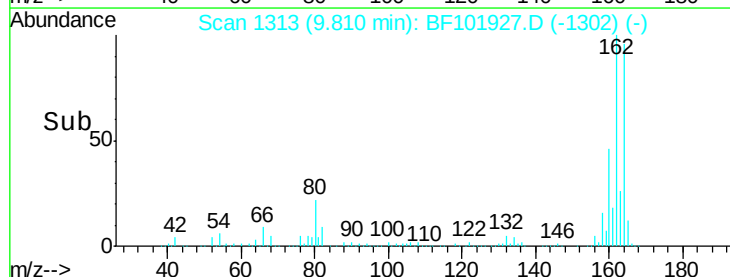


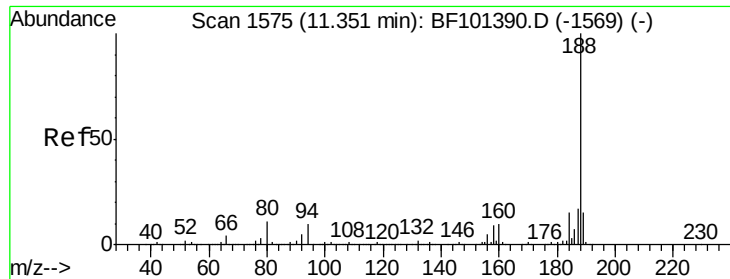
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

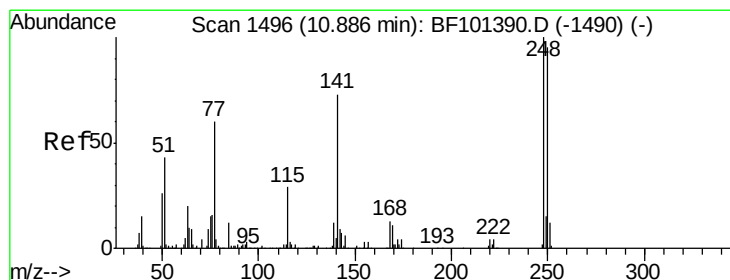
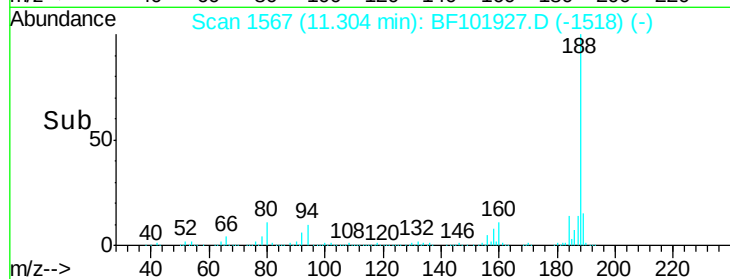
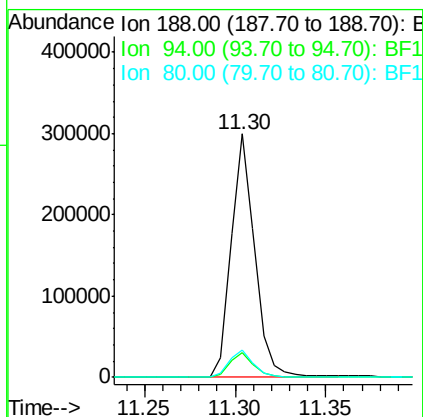
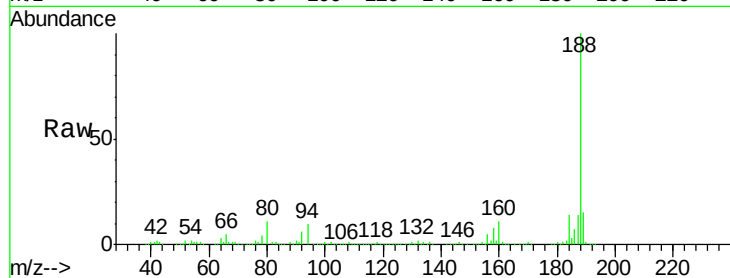




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

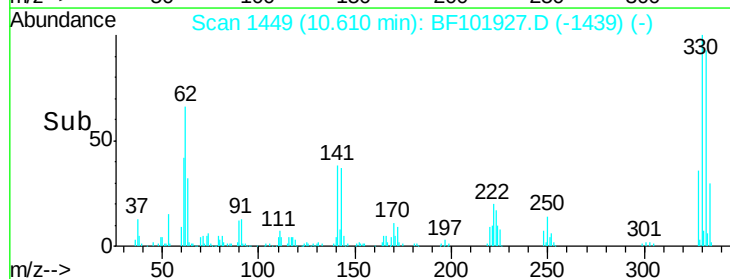
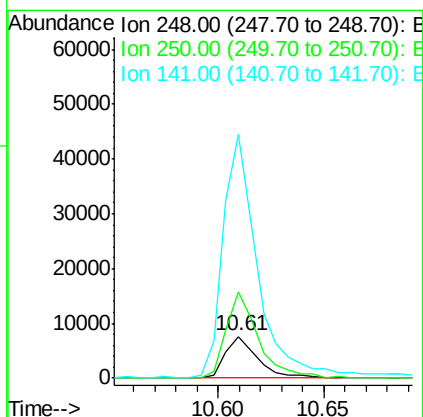
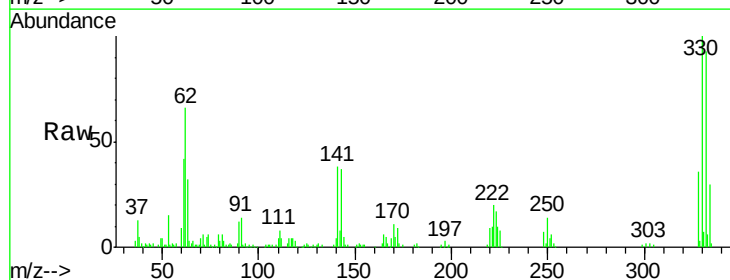
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

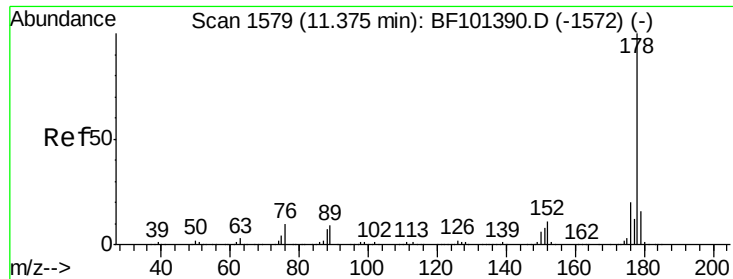
Tgt Ion:188 Resp: 270303
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 11.5 9.2 13.8



#66
4-Bromophenyl-phenylether
Concen: 2.652 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.24 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion:248 Resp: 8055
Ion Ratio Lower Upper
248 100
250 204.5 76.9 115.3#
141 581.9 74.4 111.6#

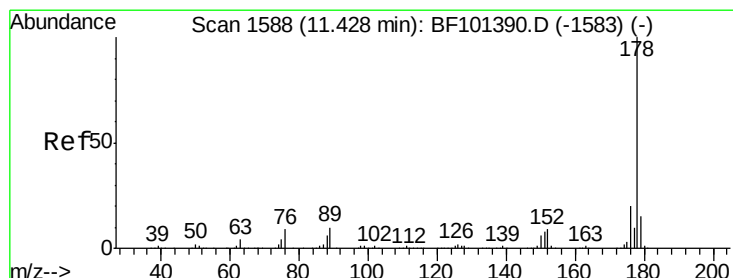
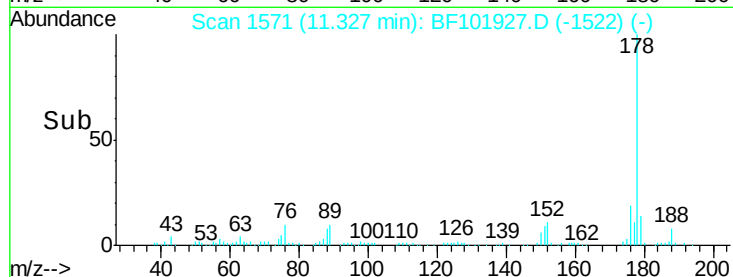
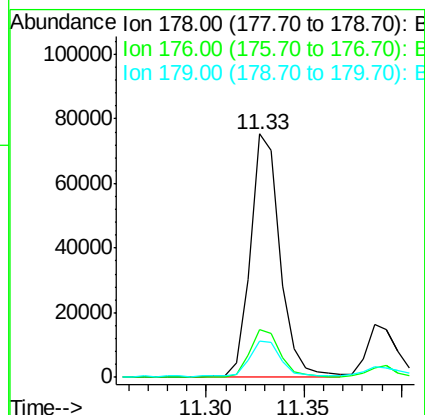
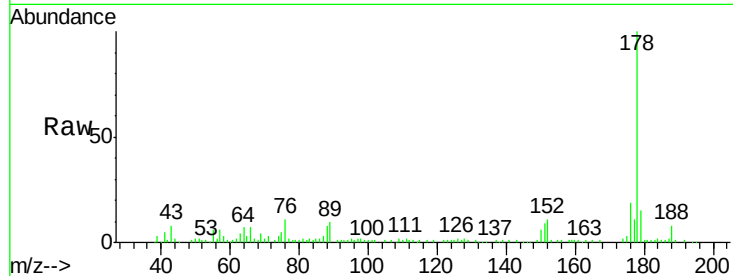




#70
Phenanthrene
Concen: 5.276 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

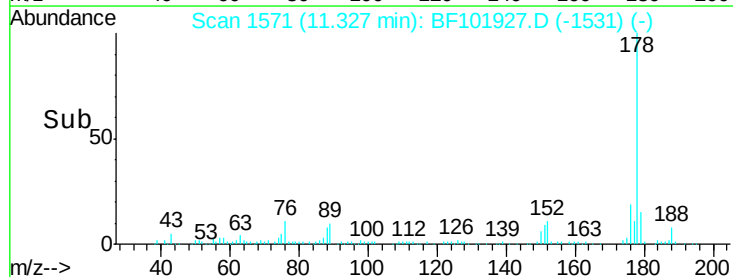
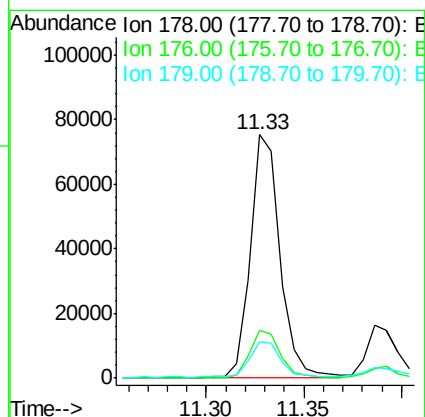
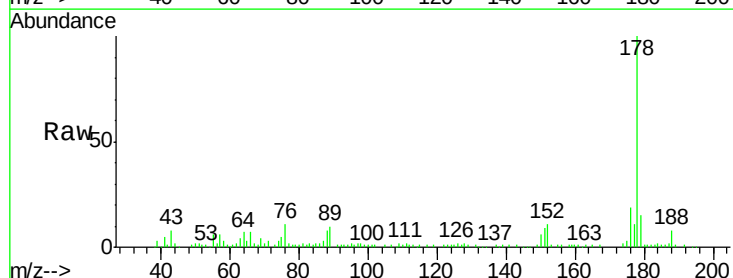
Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

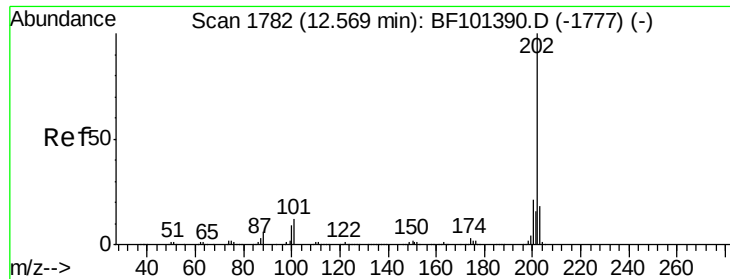
Tgt Ion:178 Resp: 79311
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 14.8 13.0 19.6



#71
Anthracene
Concen: 5.165 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.06 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion:178 Resp: 79311
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 14.8 12.6 19.0





#74

Fluoranthene

Concen: 8.566 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

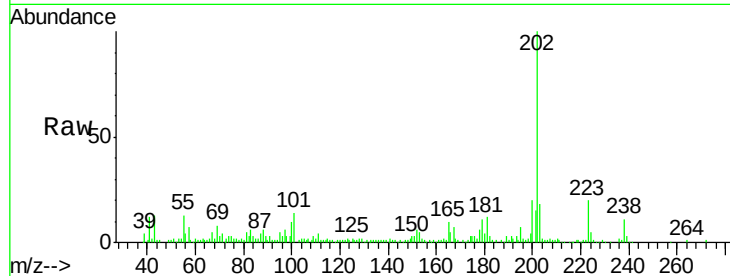
Tgt Ion:202 Resp: 135152

Ion Ratio Lower Upper

202 100

101 14.5 0.0 34.1

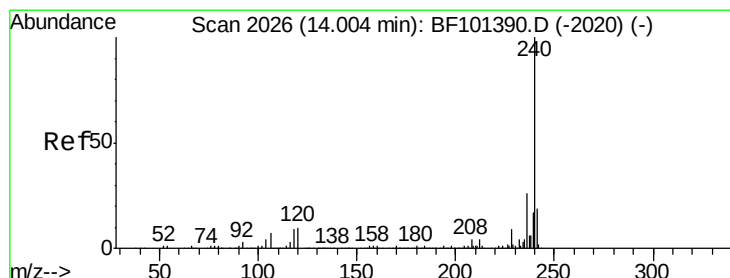
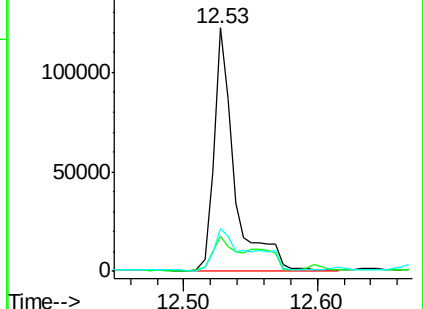
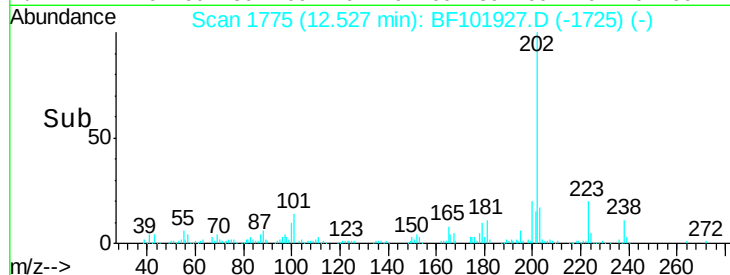
203 17.7 0.0 38.1



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: BF101927.D

Acq: 5 Jan 2018 14:07

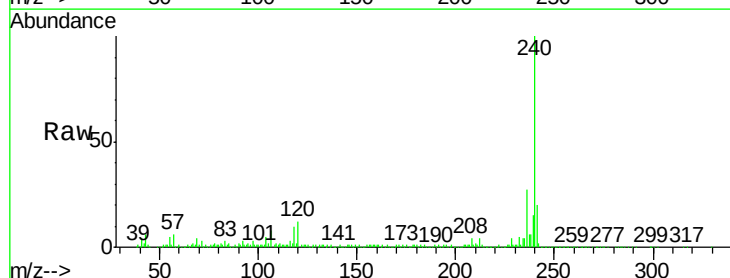
Tgt Ion:240 Resp: 285267

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

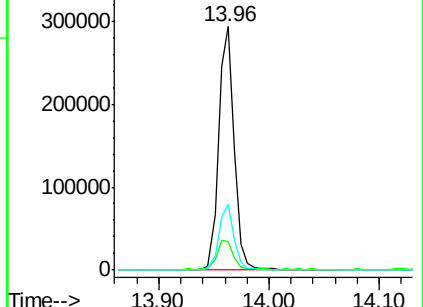
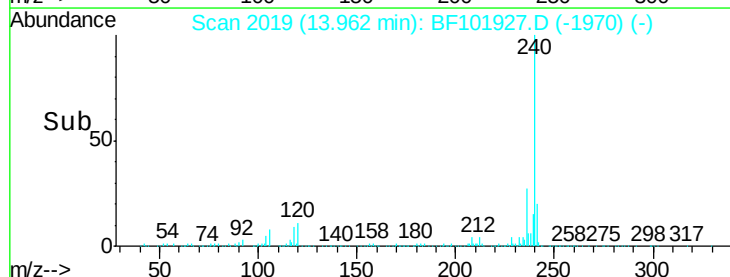
236 26.8 20.7 31.1

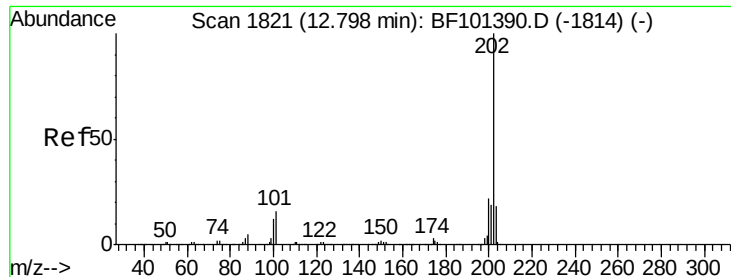


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 5.270 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

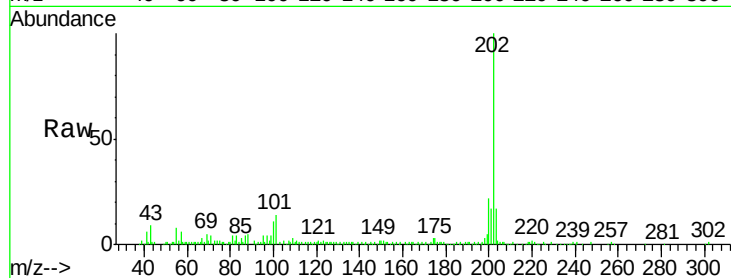
Tgt Ion:202 Resp: 112824

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

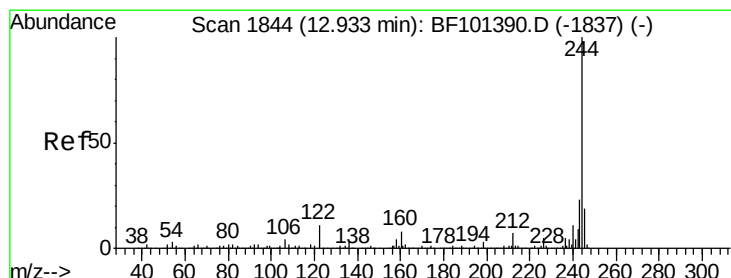
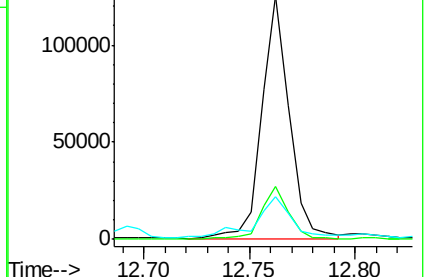
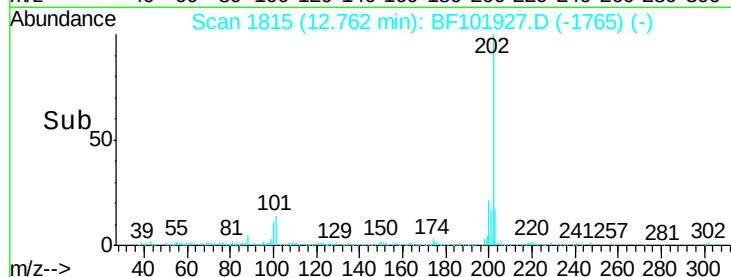
203 17.3 14.3 21.5



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: 52.083 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

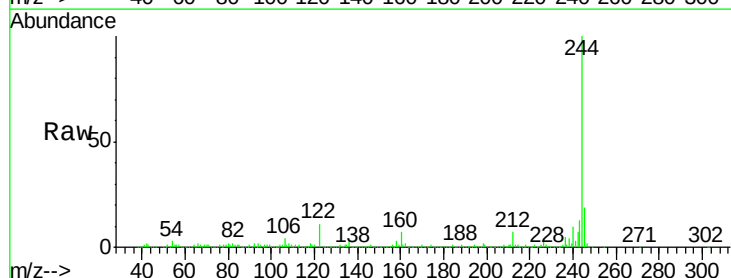
Tgt Ion:244 Resp: 616305

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

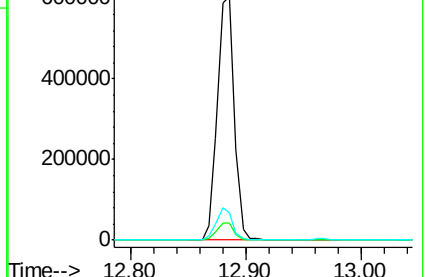
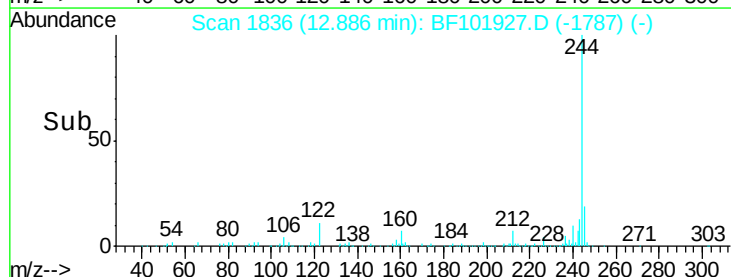
122 11.0 11.0 16.4#

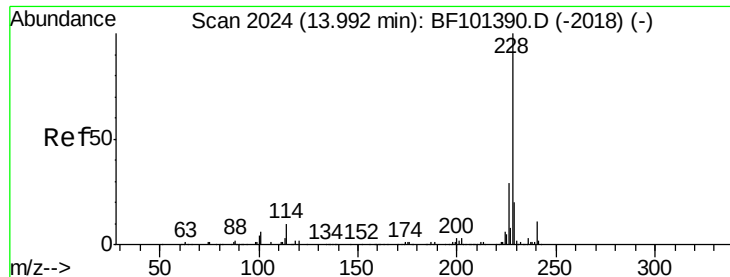


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.991 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

Instrument :

BNA_F

ClientSampleId :

SB-13-COMP

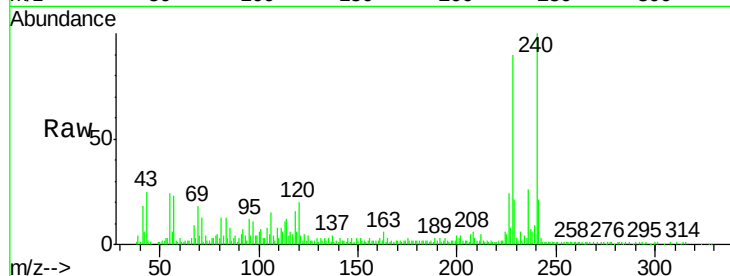
Tgt Ion:228 Resp: 56348

Ion Ratio Lower Upper

228 100

226 27.3 22.6 33.8

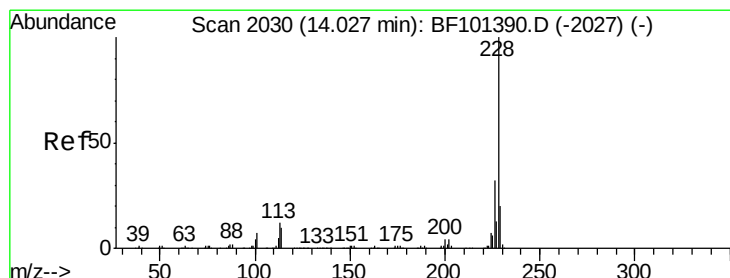
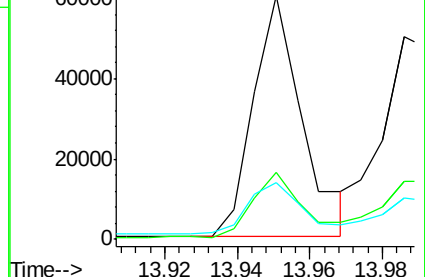
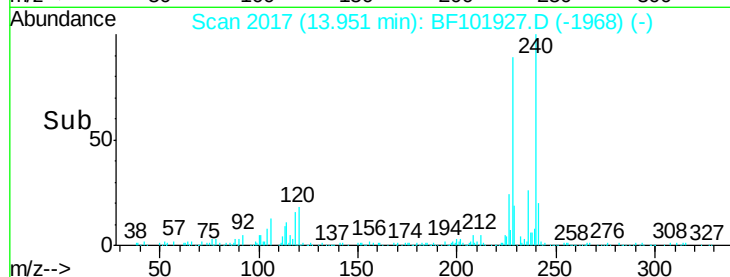
229 23.1 15.8 23.6



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: 3.323 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF101927.D

Acq: 5 Jan 2018 14:07

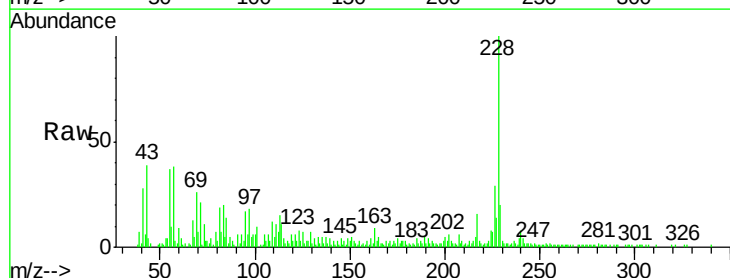
Tgt Ion:228 Resp: 59103

Ion Ratio Lower Upper

228 100

226 28.7 25.0 37.6

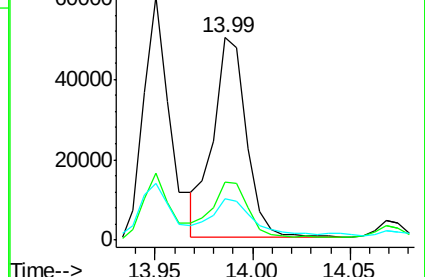
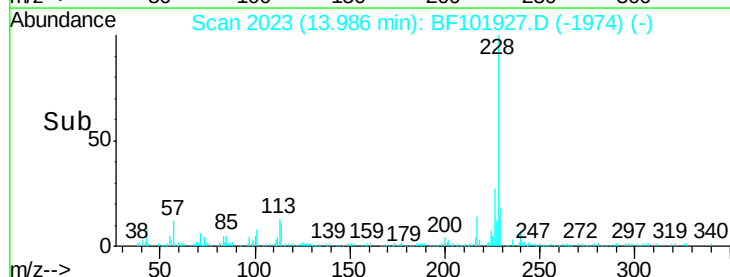
229 20.2 16.2 24.4

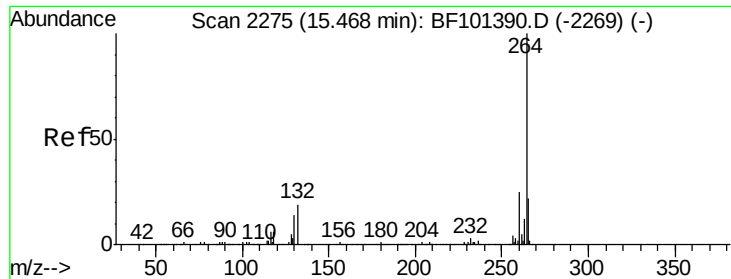


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



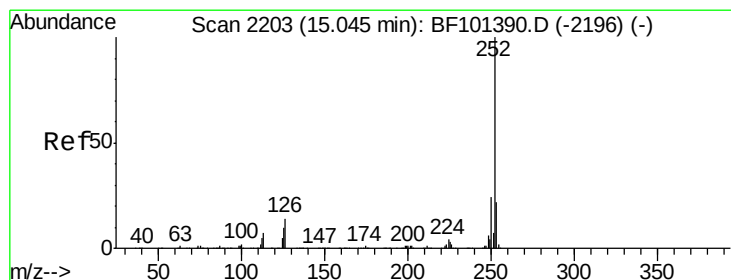
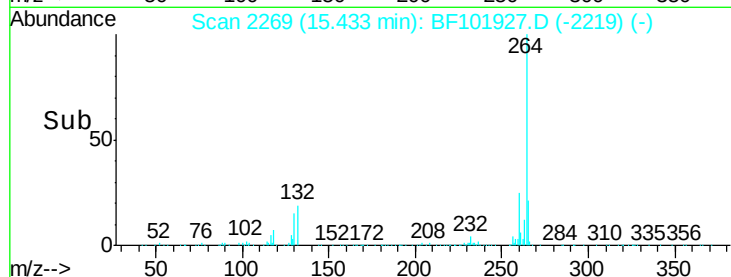
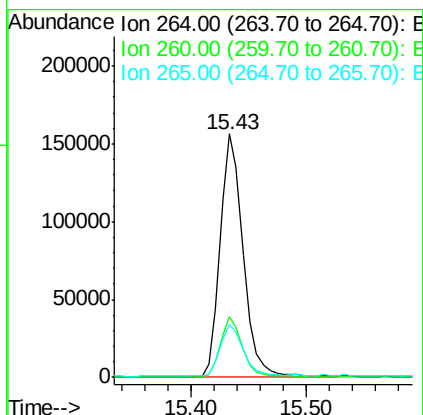
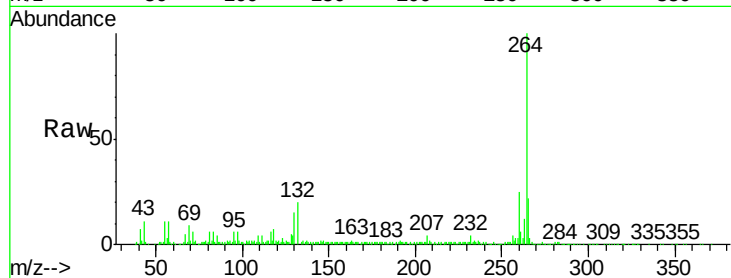


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion:264 Resp: 213859

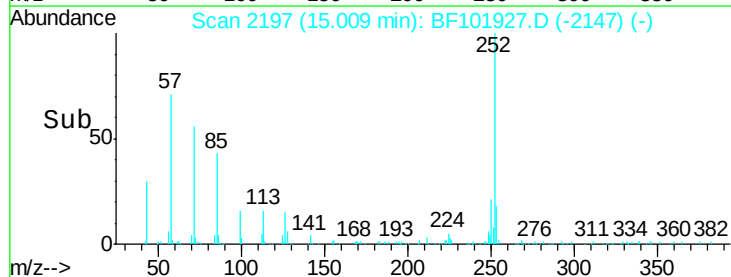
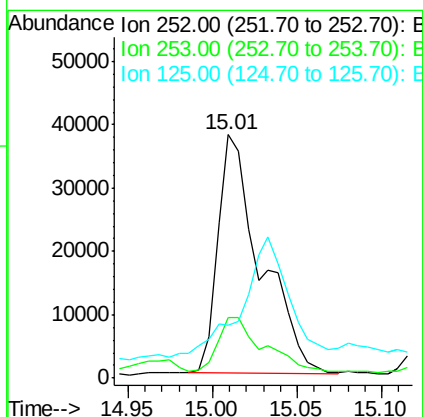
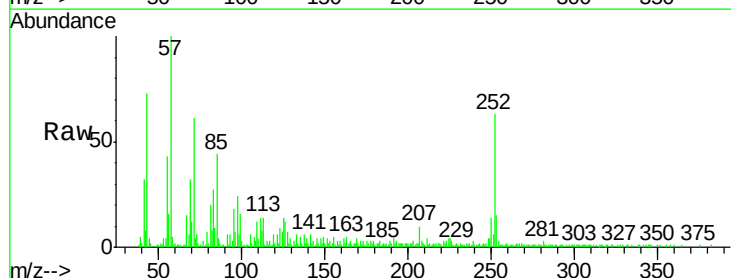
Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.9	17.5	26.3

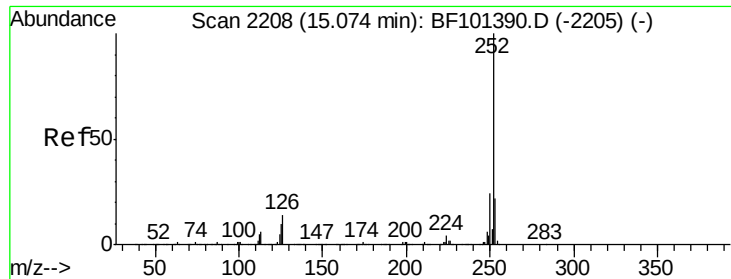


#87
Benzo(b)fluoranthene
Concen: 5.130 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion:252 Resp: 66870

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	21.7	9.0	13.6

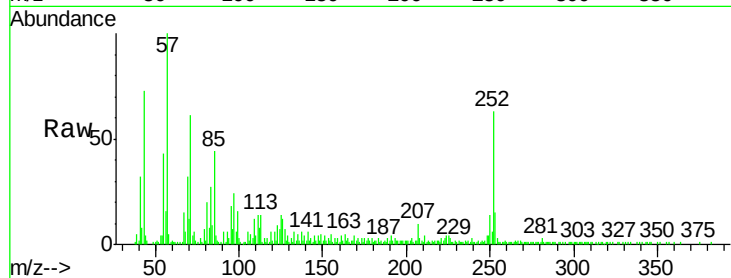




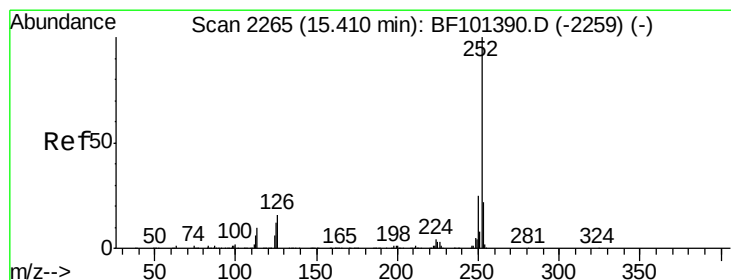
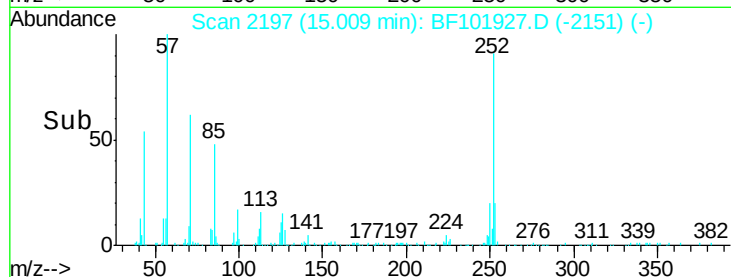
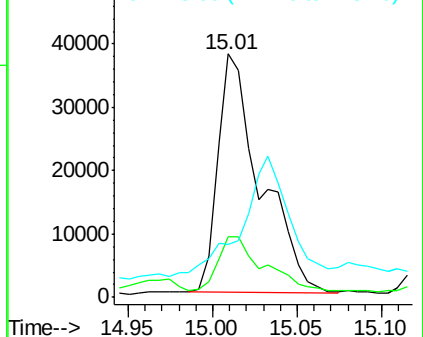
#88
Benzo(k)fluoranthene
Concen: 5.276 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Instrument :
BNA_F
ClientSampleId :
SB-13-COMP

Tgt Ion:252 Resp: 66870
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 21.7 10.2 15.2#

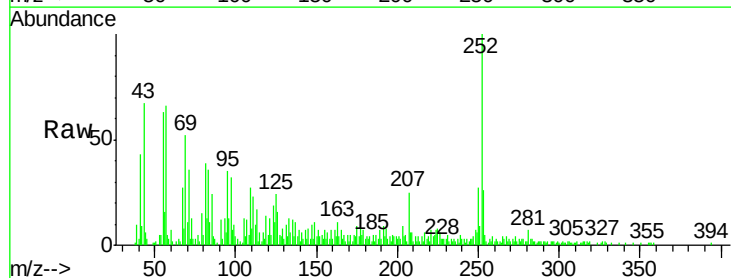


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 2.713 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101927.D
Acq: 5 Jan 2018 14:07

Tgt Ion:252 Resp: 32600
Ion Ratio Lower Upper
252 100
253 26.0 17.1 25.7#
125 23.8 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

