

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120817\
 Data File : BF101242.D
 Acq On : 8 Dec 2017 18:10
 Operator : SJ/JU
 Sample : I6680-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-120617-A

Quant Time: Dec 08 21:55:54 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

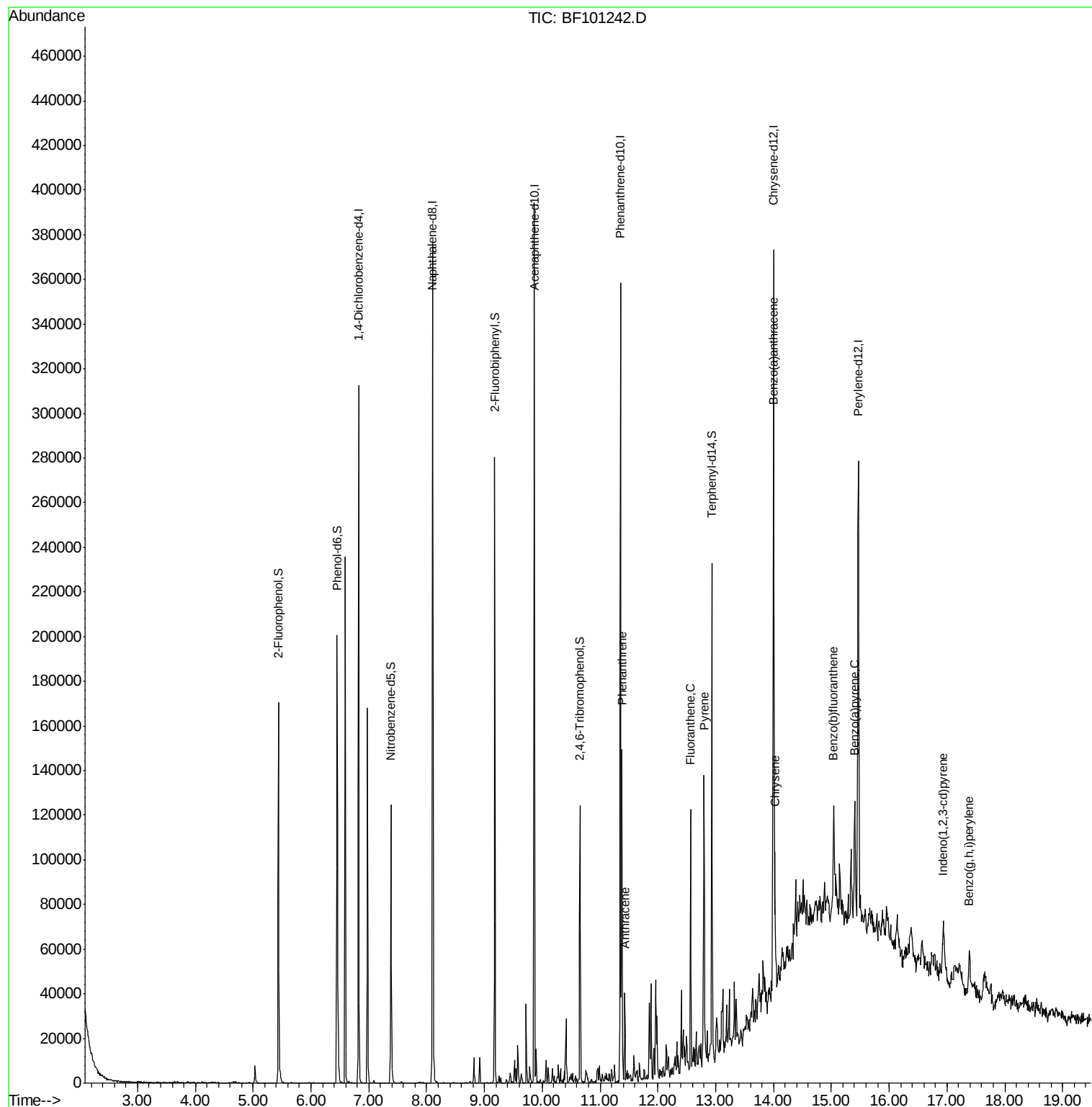
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	42805	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	167302	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	70767	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	120310	20.00	ng	0.00
75) Chrysene-d12	14.00	240	97692	20.00	ng	0.00
86) Perylene-d12	15.47	264	91121	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	53523	20.66	ng	0.00
7) Phenol-d6	6.45	99	63337	20.14	ng	-0.01
23) Nitrobenzene-d5	7.39	82	37289	13.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	14103	16.59	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	88059	17.03	ng	0.00
78) Terphenyl-d14	12.93	244	64183	14.37	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.37	178	49494	7.470	ng	99
71) Anthracene	11.43	178	15365	2.291	ng	97
74) Fluoranthene	12.57	202	43344	5.902	ng	94
77) Pyrene	12.80	202	51748	7.677	ng	97
80) Benzo(a)anthracene	13.99	228	23909m	3.876	ng	
82) Chrysene	14.02	228	23495	4.101	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	13181	2.588	ng	# 90
87) Benzo(b)fluoranthene	15.04	252	25239m	4.624	ng	
89) Benzo(a)pyrene	15.40	252	19446m	3.919	ng	
91) Benzo(g,h,i)perylene	17.39	276	14432	3.501	ng	92

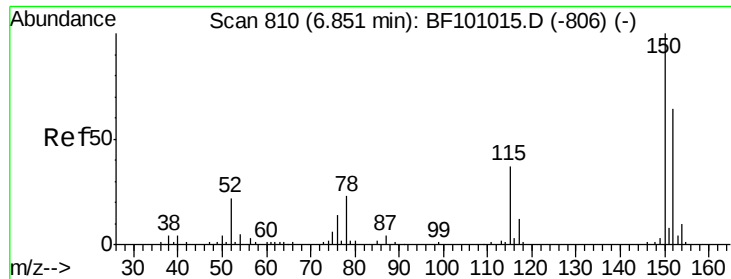
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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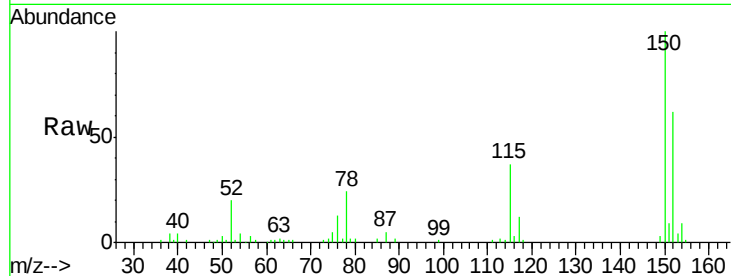




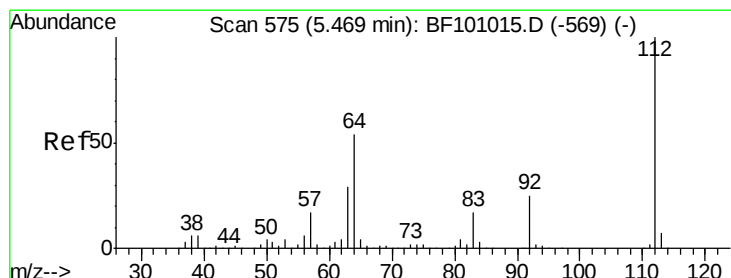
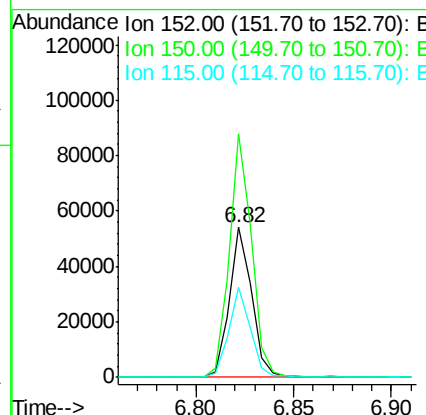
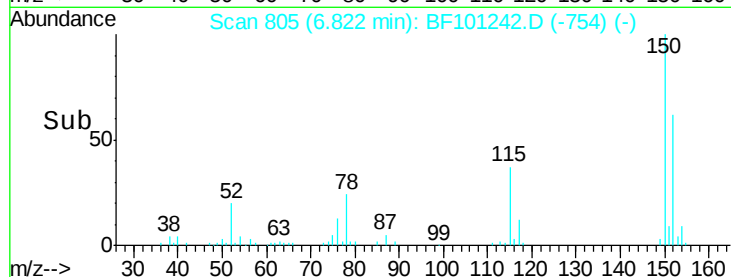
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-120617-A

Tot Ion:152 Resp: 42805
 Ion Ratio Lower Upper
 152 100
 150 162.4 124.6 186.8
 115 60.2 50.1 75.1

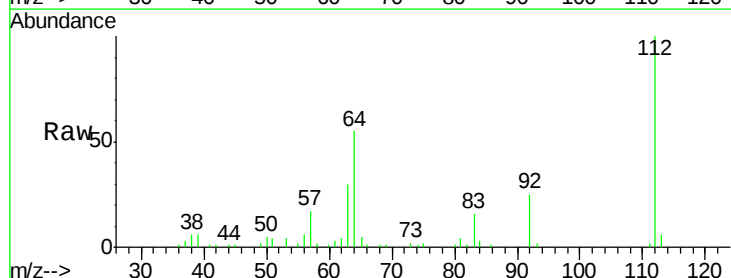


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

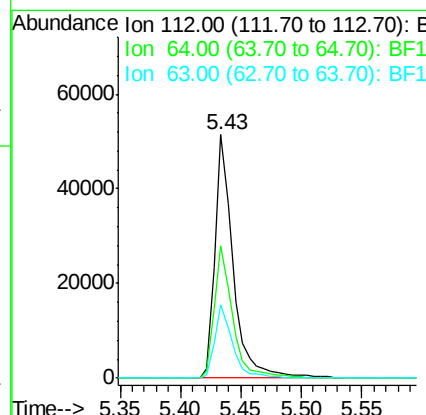
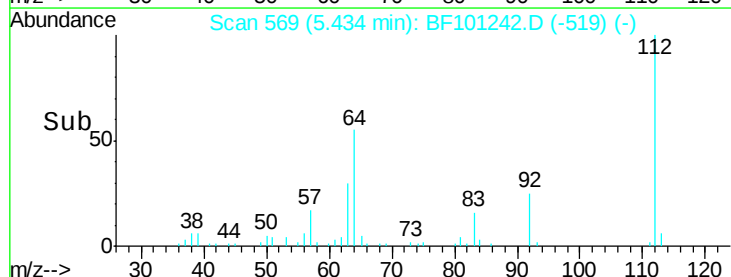


#5
 2-Fluorophenol
 Concen: 20.662 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Tgt Ion:112 Resp: 53523
 Ion Ratio Lower Upper
 112 100
 64 54.5 47.9 71.9
 63 30.4 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: 20.139 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF101242.D

Acq: 8 Dec 2017 18:10

Instrument :

BNA_F

ClientSampleId :

CL-01-120617-A

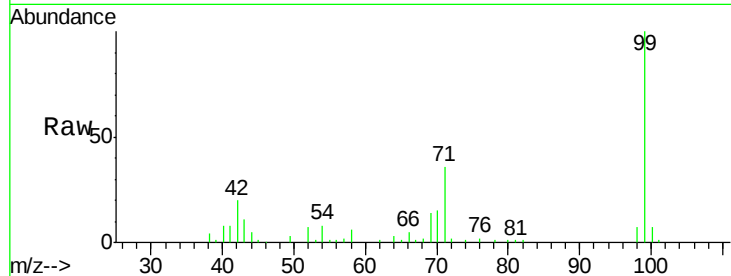
Tot Ion: 99 Resp: 63337

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

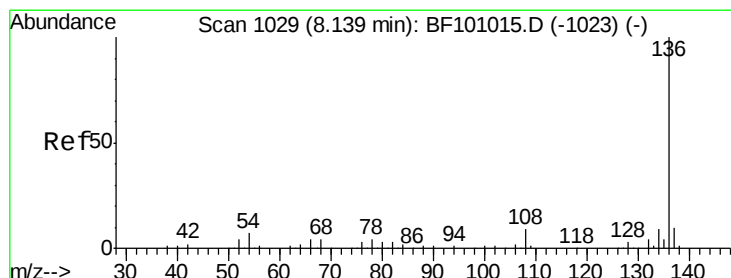
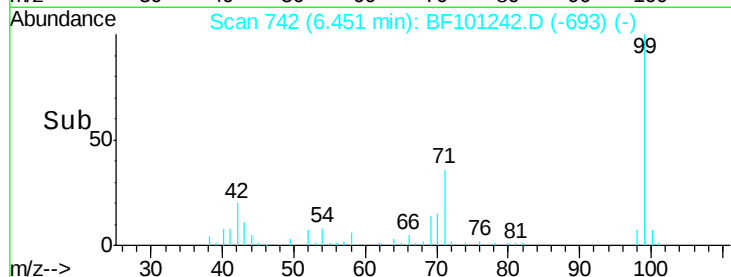
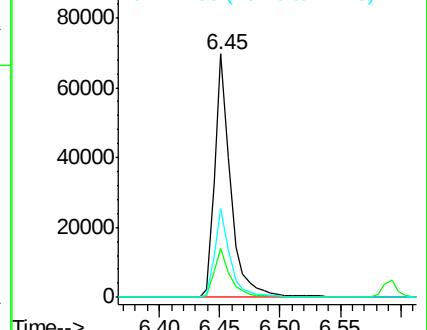
71 36.3 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF101242.D

Acq: 8 Dec 2017 18:10

Tgt Ion: 136 Resp: 167302

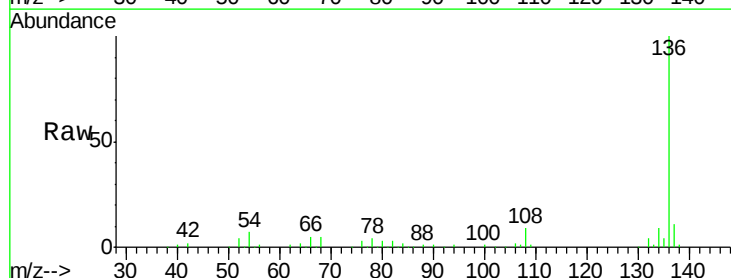
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.4 6.6 9.8

68 4.9 5.0 7.4#

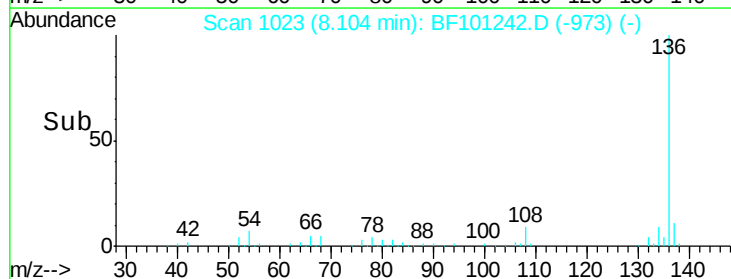
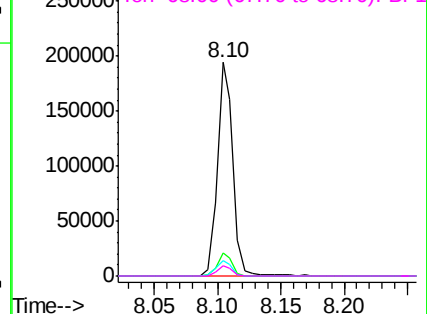


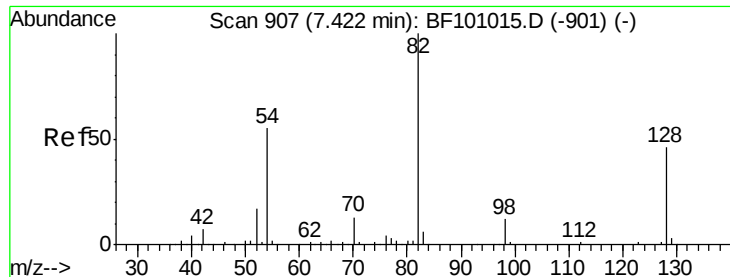
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

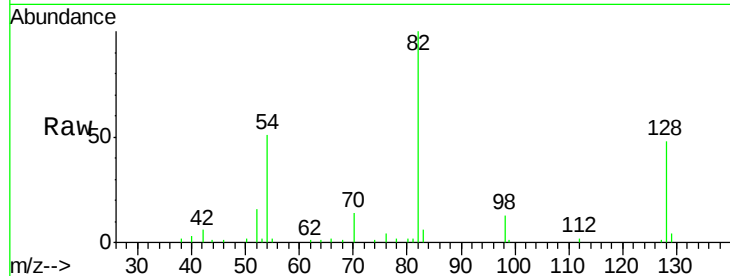




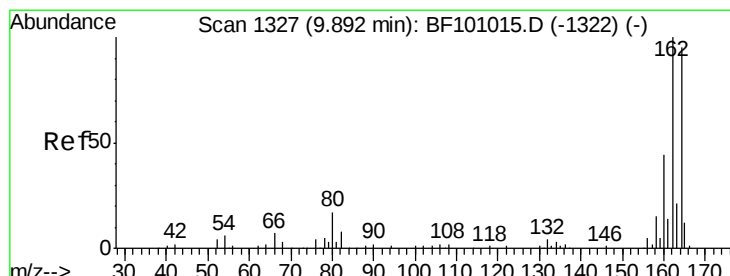
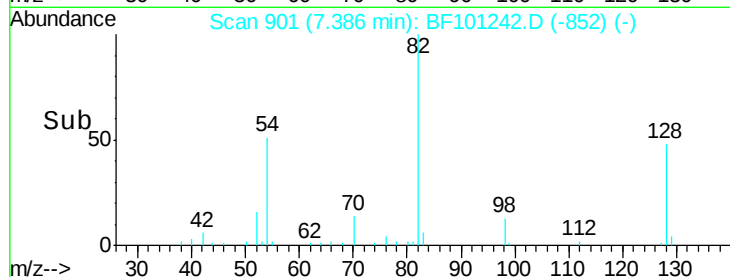
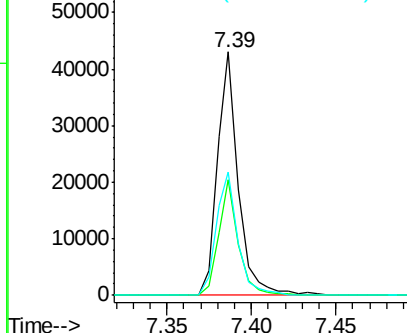
#23
 Nitrobenzene-d5
 Concen: 13.296 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-120617-A

Tot Ion: 82 Resp: 37289
 Ion Ratio Lower Upper
 82 100
 128 47.7 36.1 54.1
 54 50.8 41.4 62.2

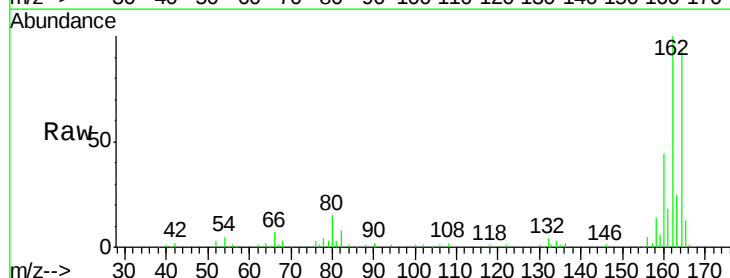


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

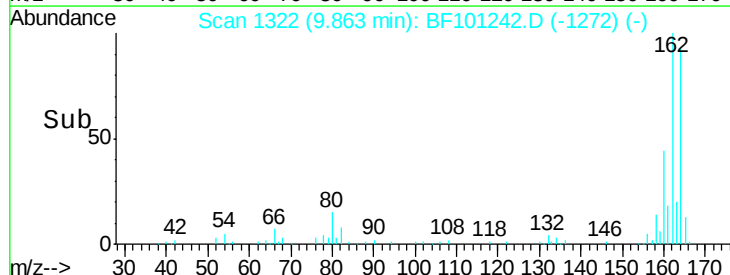
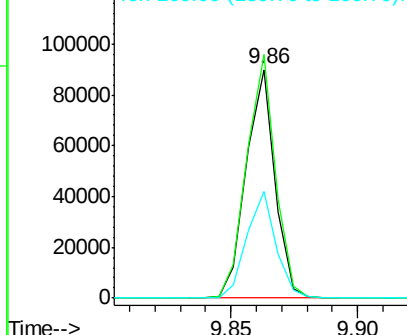


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Tgt Ion:164 Resp: 70767
 Ion Ratio Lower Upper
 164 100
 162 106.6 86.1 129.1
 160 46.9 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

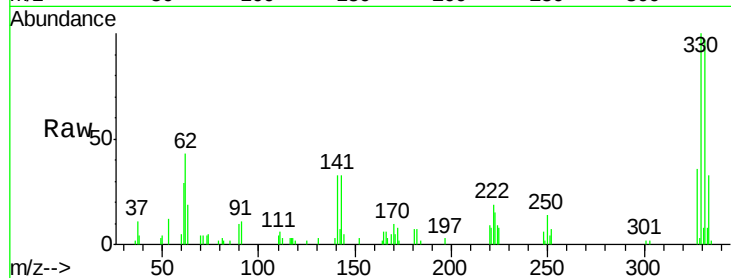




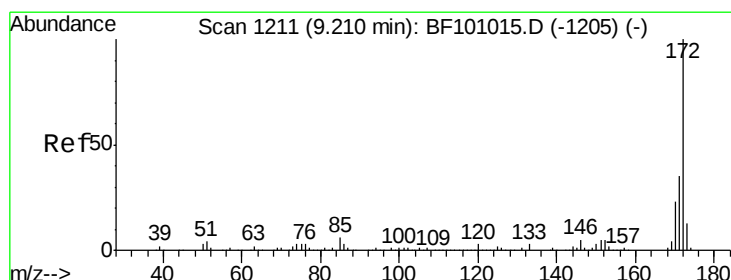
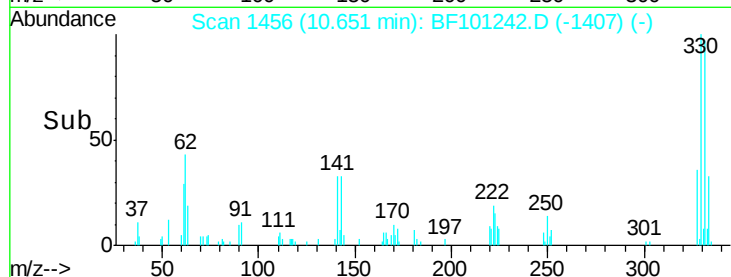
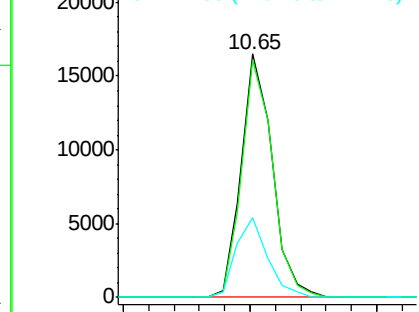
#41
 2,4,6-Tribromophenol
 Concen: 16.590 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-120617-A

Tot Ion:330 Resp: 14103
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.0 115.6
 141 33.1 29.9 44.9

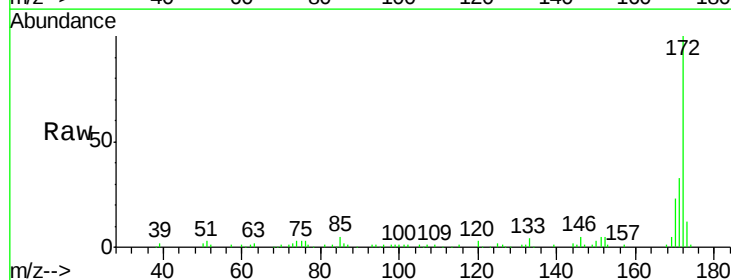


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

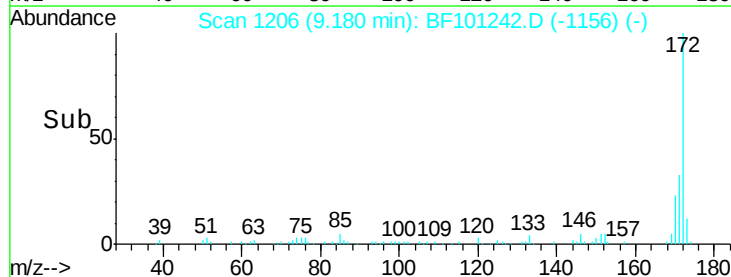
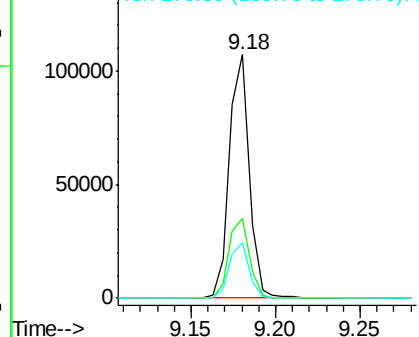


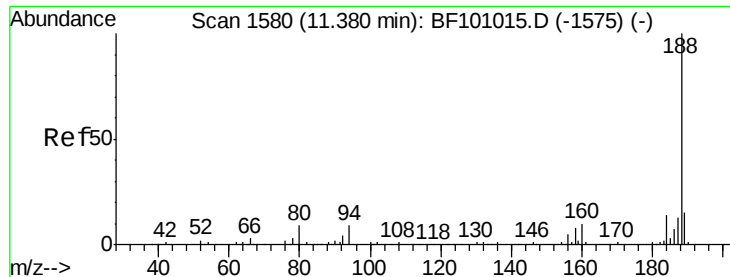
#44
 2-Fluorobiphenyl
 Concen: 17.025 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Tgt Ion:172 Resp: 88059
 Ion Ratio Lower Upper
 172 100
 171 32.9 29.7 44.5
 170 22.7 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

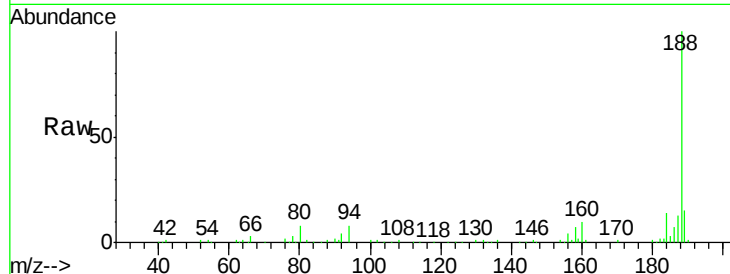




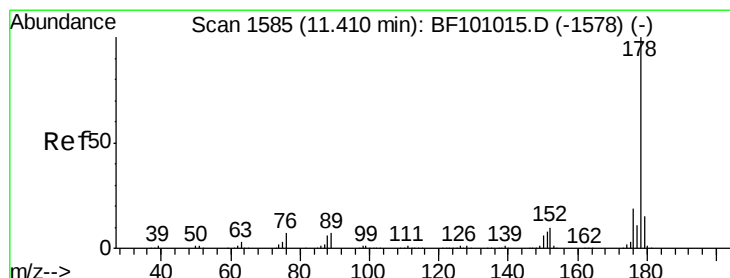
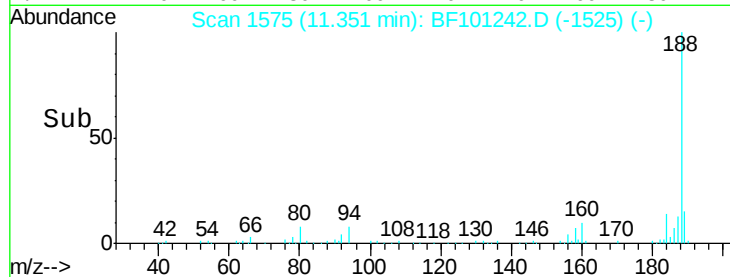
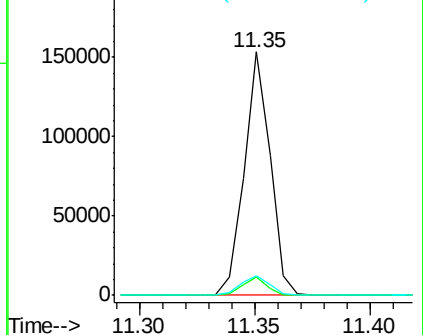
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Instrument :
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 ClientSampleId :
 CL-01-120617-A

Tot Ion:188 Resp: 120310
 Ion Ratio Lower Upper
 188 100
 94 7.5 8.5 12.7#
 80 8.0 9.2 13.8#

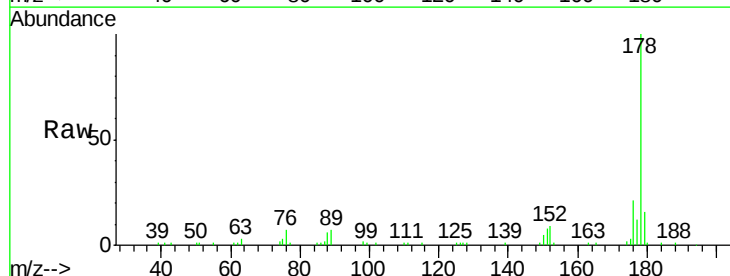


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

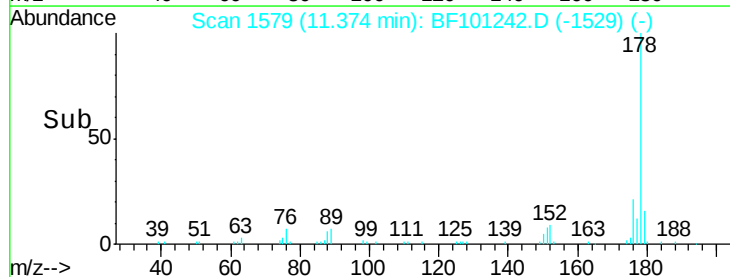
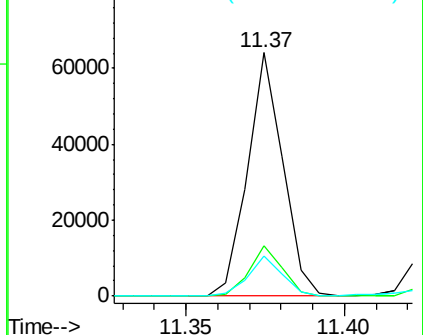


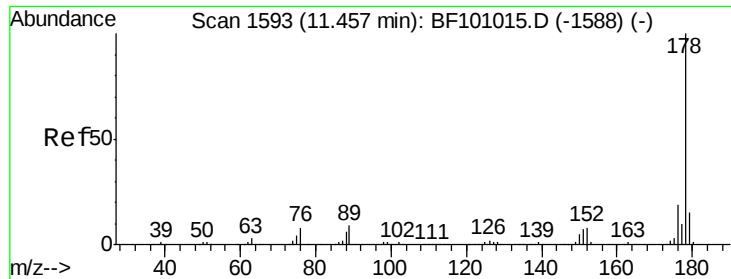
#70
 Phenanthrene
 Concen: 7.470 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Tgt Ion:178 Resp: 49494
 Ion Ratio Lower Upper
 178 100
 176 20.8 15.8 23.8
 179 16.3 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

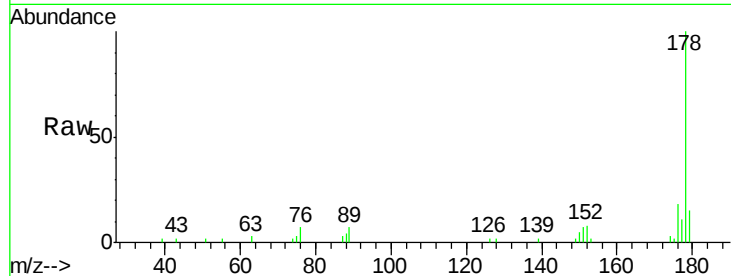




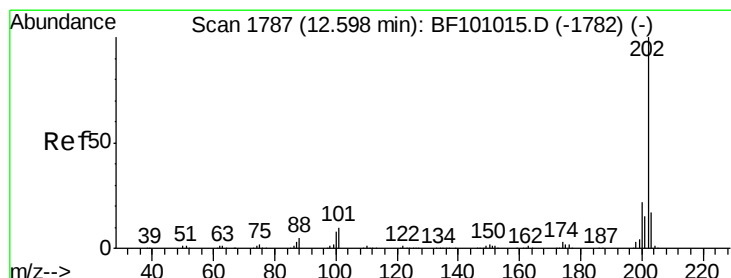
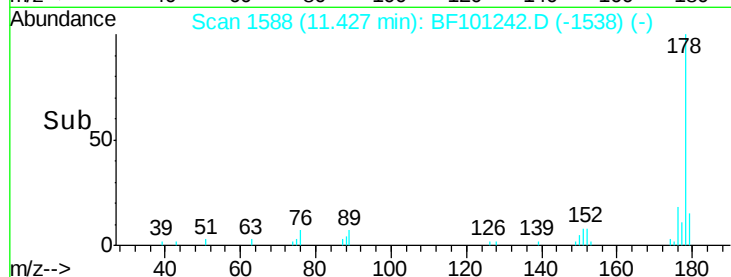
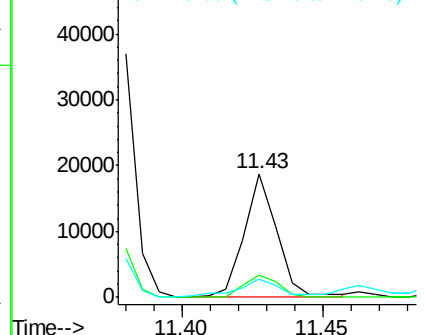
#71
 Anthracene
 Concen: 2.291 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Instrument :
 BNA_F
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 CL-01-120617-A

Tot Ion:178 Resp: 15365
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.4 23.2
 179 15.0 12.6 19.0

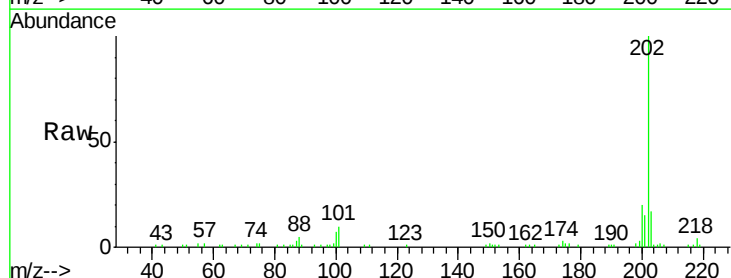


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

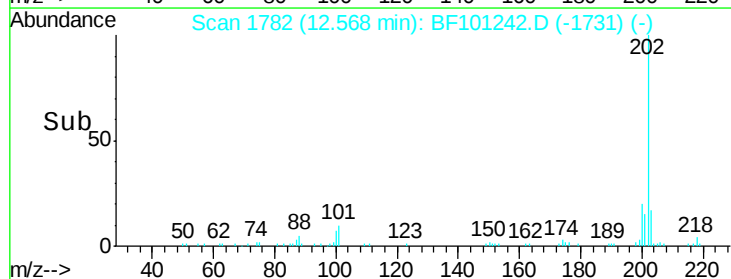
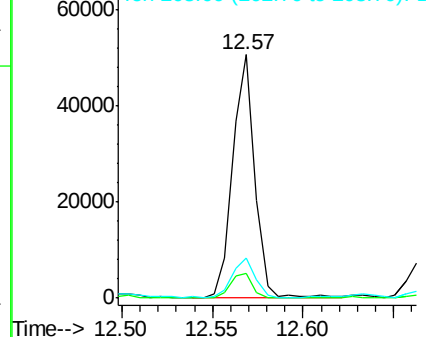


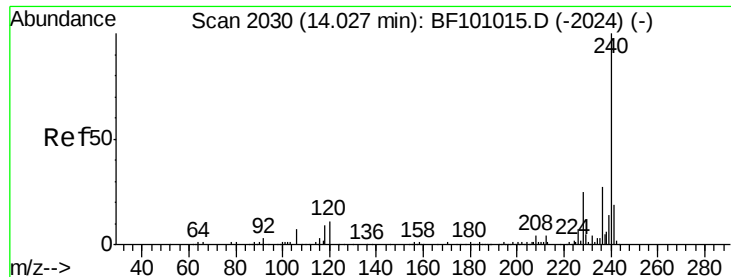
#74
 Fluoranthene
 Concen: 5.902 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Tgt Ion:202 Resp: 43344
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 34.1
 203 16.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF101242.D

Acq: 8 Dec 2017 18:10

Instrument :

BNA_F

ClientSampleId :

CL-01-120617-A

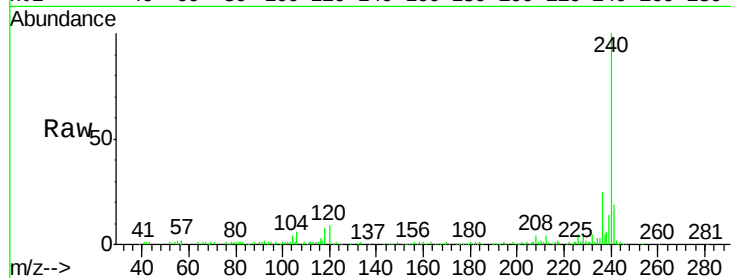
Tot Ion:240 Resp: 97692

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

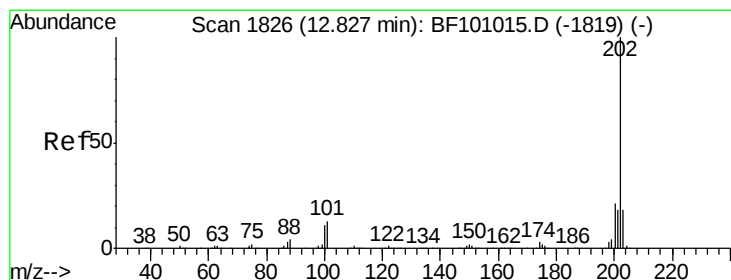
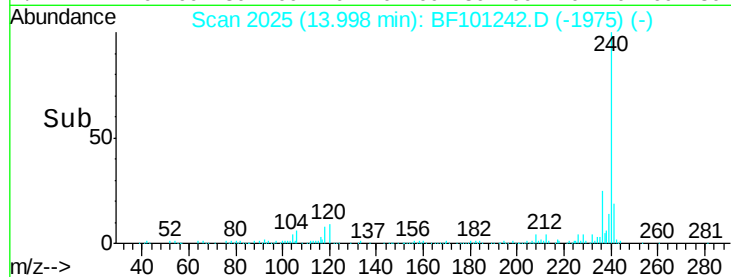
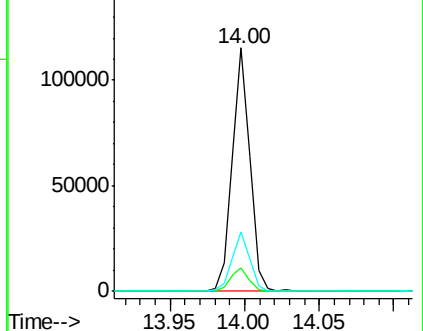
236 24.6 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.677 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF101242.D

Acq: 8 Dec 2017 18:10

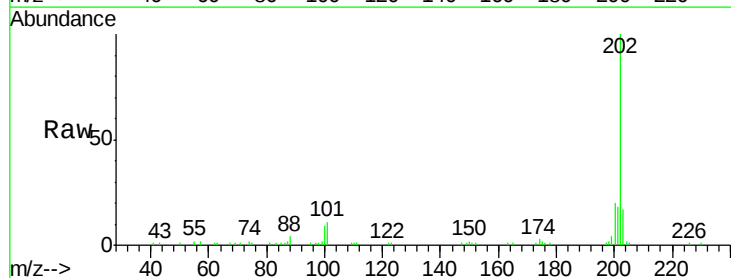
Tgt Ion:202 Resp: 51748

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

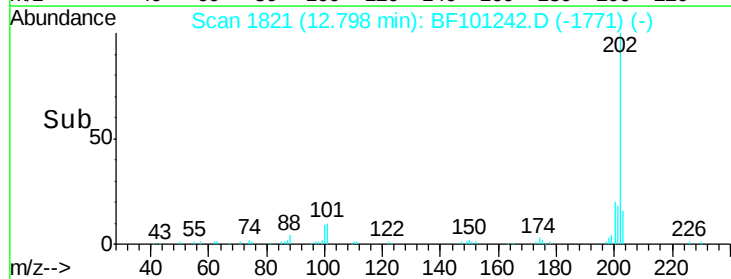
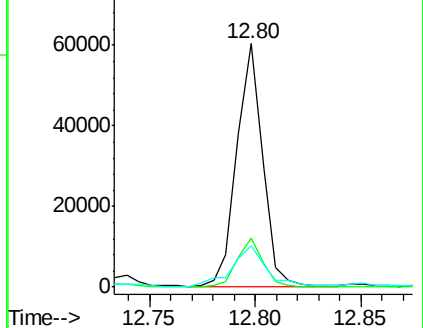
203 17.0 14.3 21.5

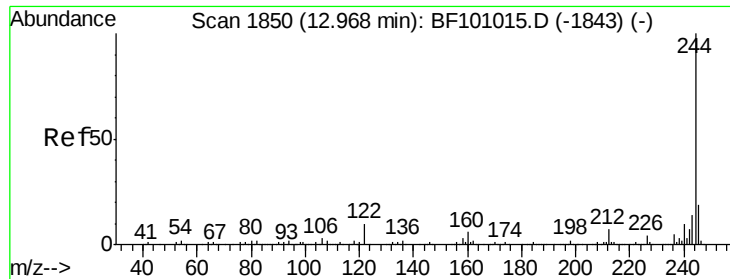


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

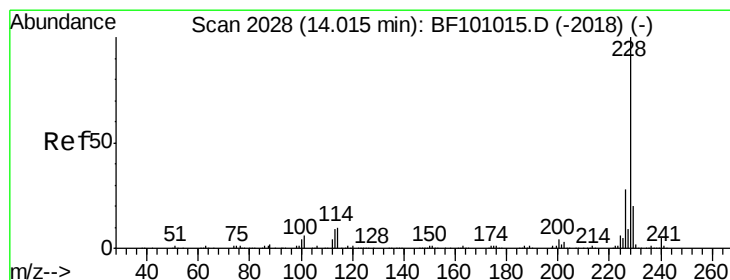
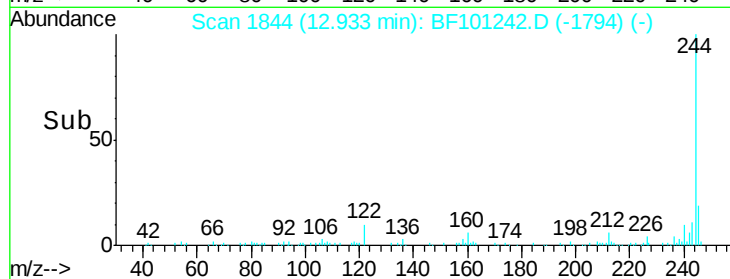
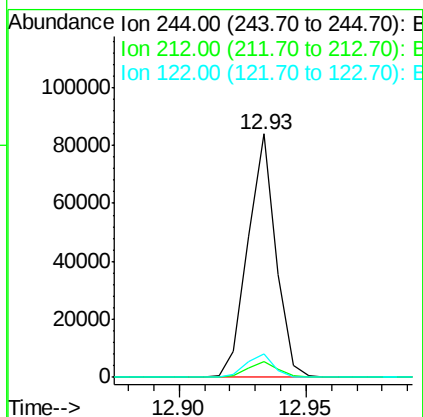
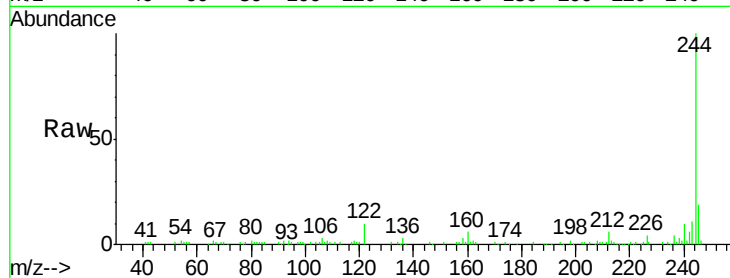




#78
 Terphenyl-d14
 Concen: 14.370 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

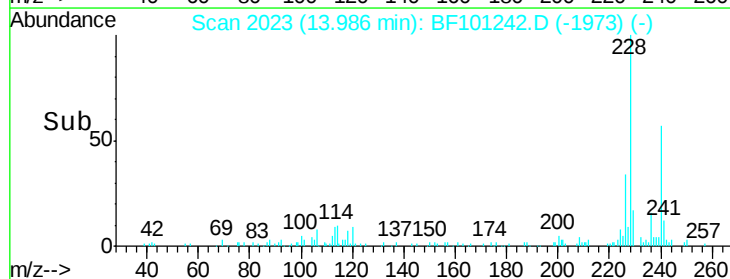
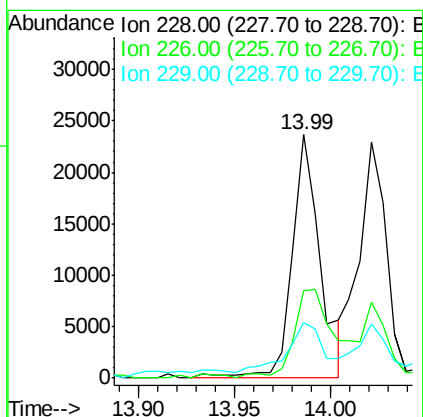
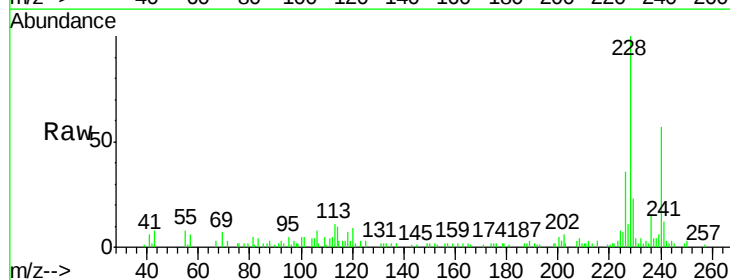
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-120617-A

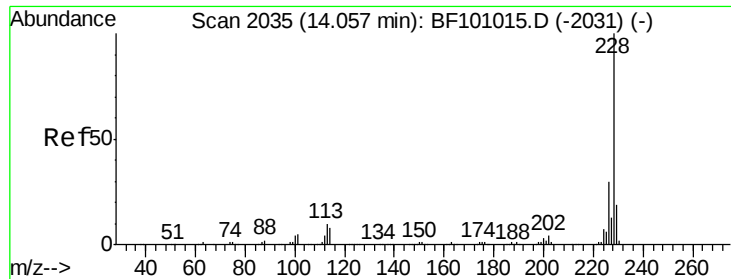
Tot Ion:244 Resp: 64183
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.6 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 3.876 ng m
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF101242.D
 Acq: 8 Dec 2017 18:10

Tgt Ion:228 Resp: 23909
 Ion Ratio Lower Upper
 228 100
 226 35.9 22.6 33.8#
 229 22.8 15.8 23.6





#82

Chrysene

Concen: 4.101 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF101242.D

Acq: 8 Dec 2017 18:10

Instrument :

BNA_F

ClientSampleId :

CL-01-120617-A

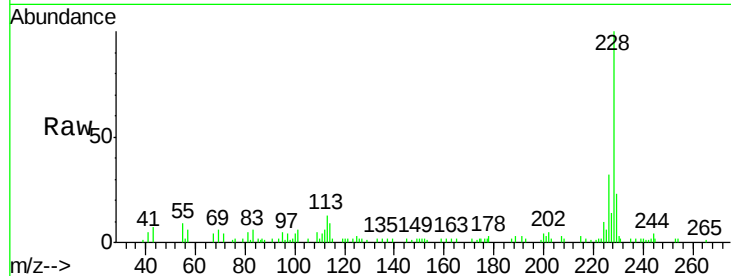
Tot Ion:228 Resp: 23495

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.6

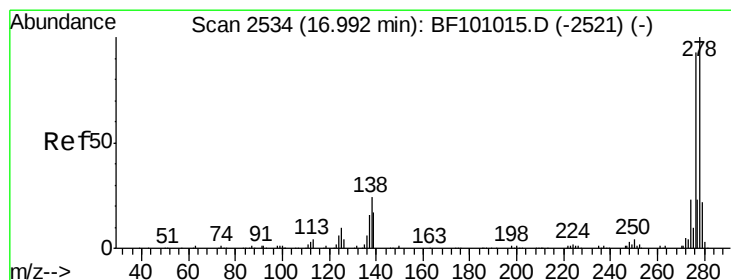
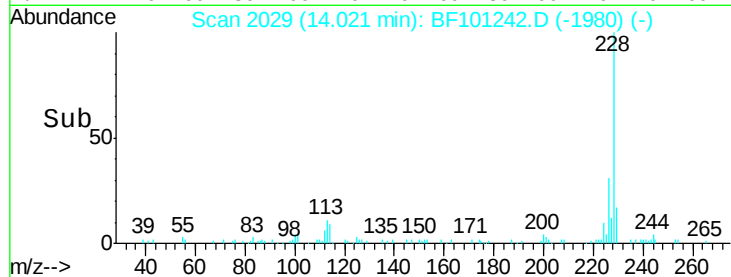
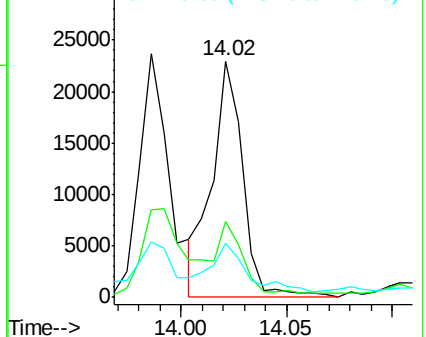
229 23.0 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.588 ng

RT: 16.93 min Scan# 2524

Delta R.T. -0.01 min

Lab File: BF101242.D

Acq: 8 Dec 2017 18:10

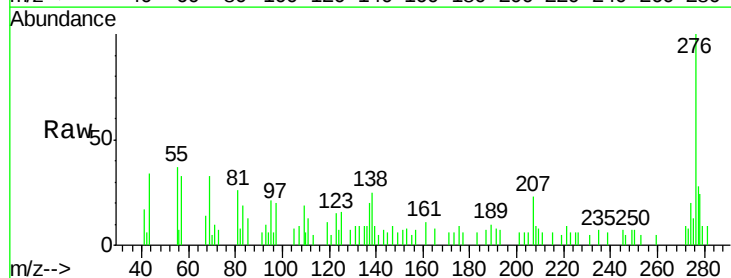
Tgt Ion:276 Resp: 13181

Ion Ratio Lower Upper

276 100

138 24.5 25.0 37.6#

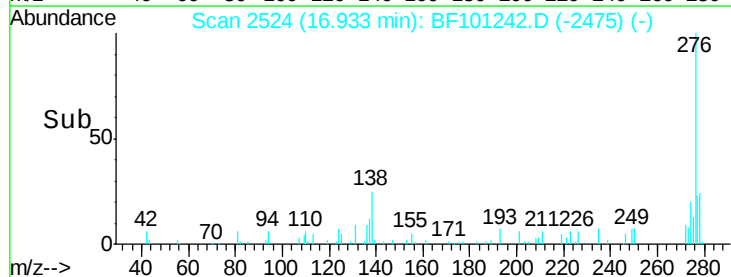
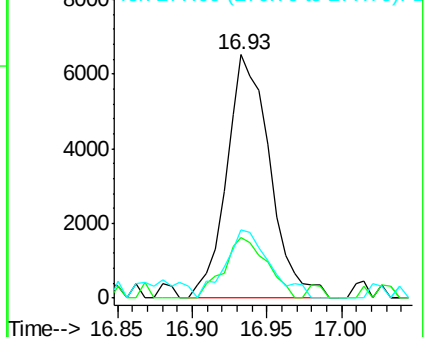
277 28.5 20.1 30.1

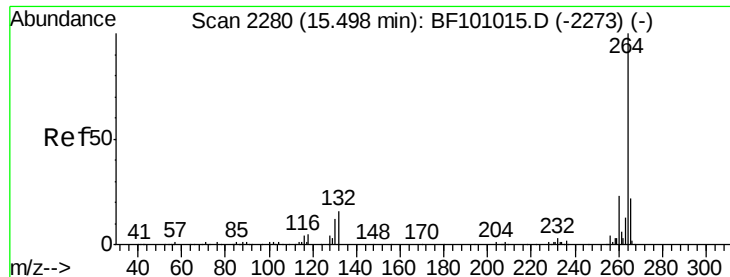


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

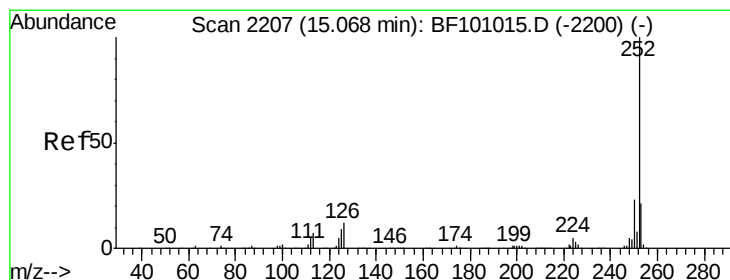
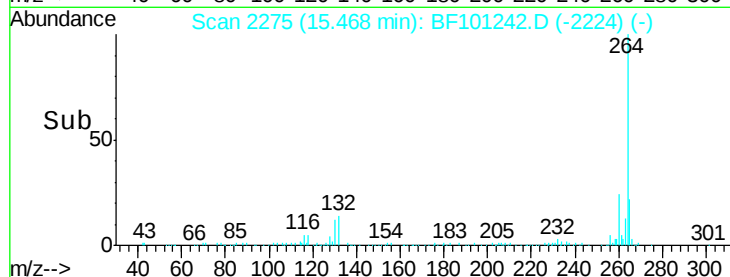
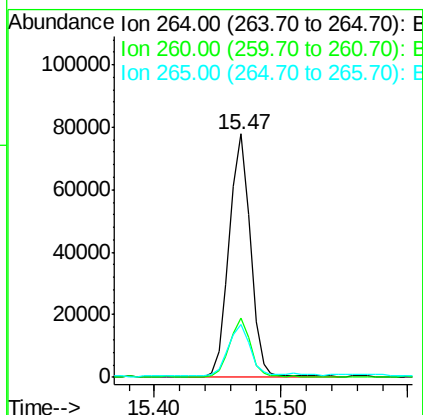
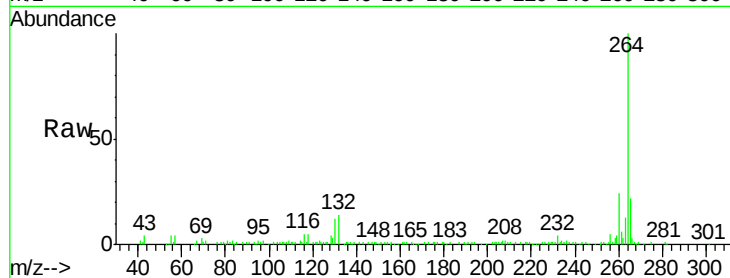




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF101242.D
Acq: 8 Dec 2017 18:10

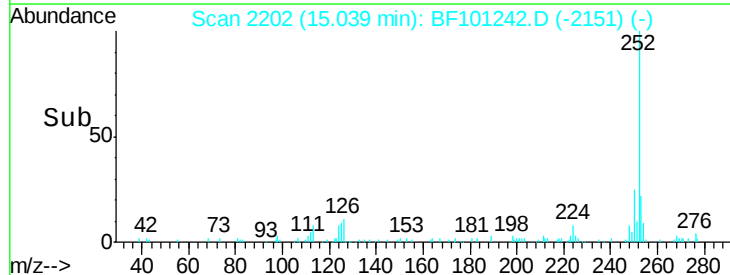
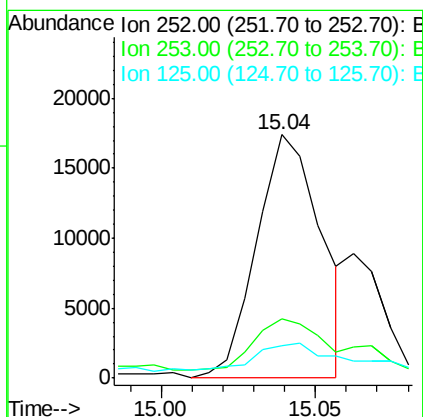
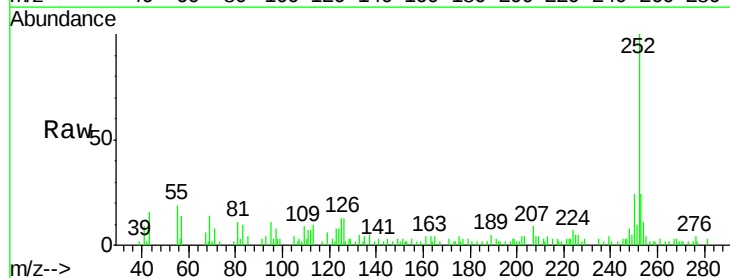
Instrument :
BNA_F
ClientSampleId :
CL-01-120617-A

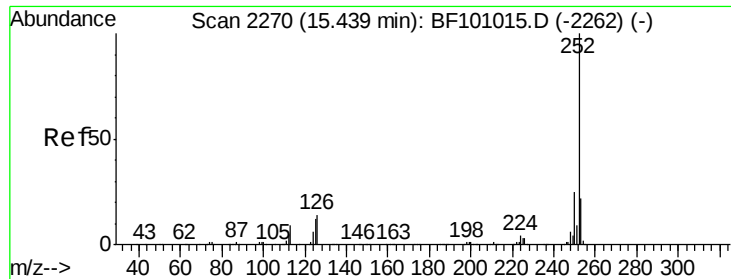
Tot Ion:264 Resp: 91121
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 22.0 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 4.624 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF101242.D
Acq: 8 Dec 2017 18:10

Tgt Ion:252 Resp: 25239
Ion Ratio Lower Upper
252 100
253 24.4 17.0 25.6
125 13.1 9.0 13.6

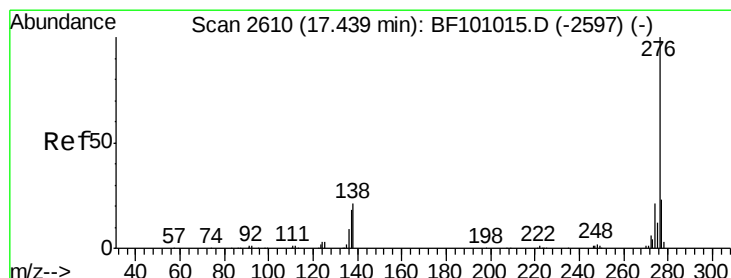
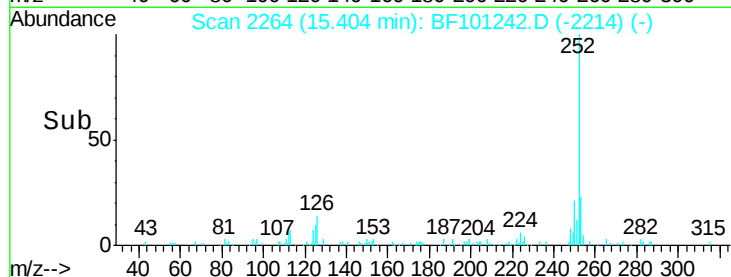
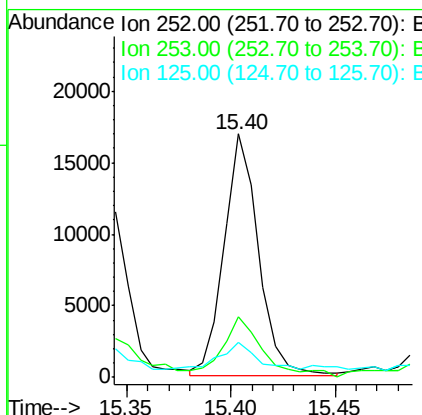
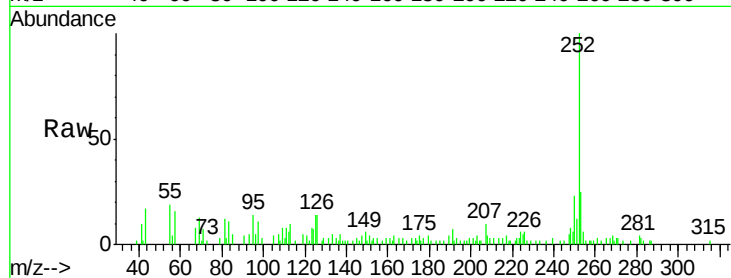




#89
Benzo(a)pyrene
Concen: 3.919 ng m
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF101242.D
Acq: 8 Dec 2017 18:10

Instrument :
BNA_F
ClientSampleId :
CL-01-120617-A

Tot Ion:252 Resp: 19446
Ion Ratio Lower Upper
252 100
253 24.7 17.1 25.7
125 14.1 9.8 14.6



#91
Benzo(g,h,i)perylene
Concen: 3.501 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.01 min
Lab File: BF101242.D
Acq: 8 Dec 2017 18:10

Tgt Ion:276 Resp: 14432
Ion Ratio Lower Upper
276 100
277 25.6 17.9 26.9
138 22.4 21.8 32.8

