

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061118\
 Data File : BF106308.D
 Acq On : 11 Jun 2018 21:22
 Operator : JU/SJ
 Sample : J2932-07 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-D-DB-1-2

Quant Time: Jun 12 01:45:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 11 15:00:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	208053	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	792725	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	357424	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	613120	20.00	ng	0.00
75) Chrysene-d12	14.15	240	512216	20.00	ng	-0.01
86) Perylene-d12	15.68	264	408171	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	251492	20.46	ng	0.00
7) Phenol-d6	6.58	99	315615	20.32	ng	-0.01
23) Nitrobenzene-d5	7.52	82	188345	13.98	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	63715	18.53	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	369510	8.67	ng	0.00
78) Terphenyl-d14	13.08	244	317791	15.41	ng	0.00

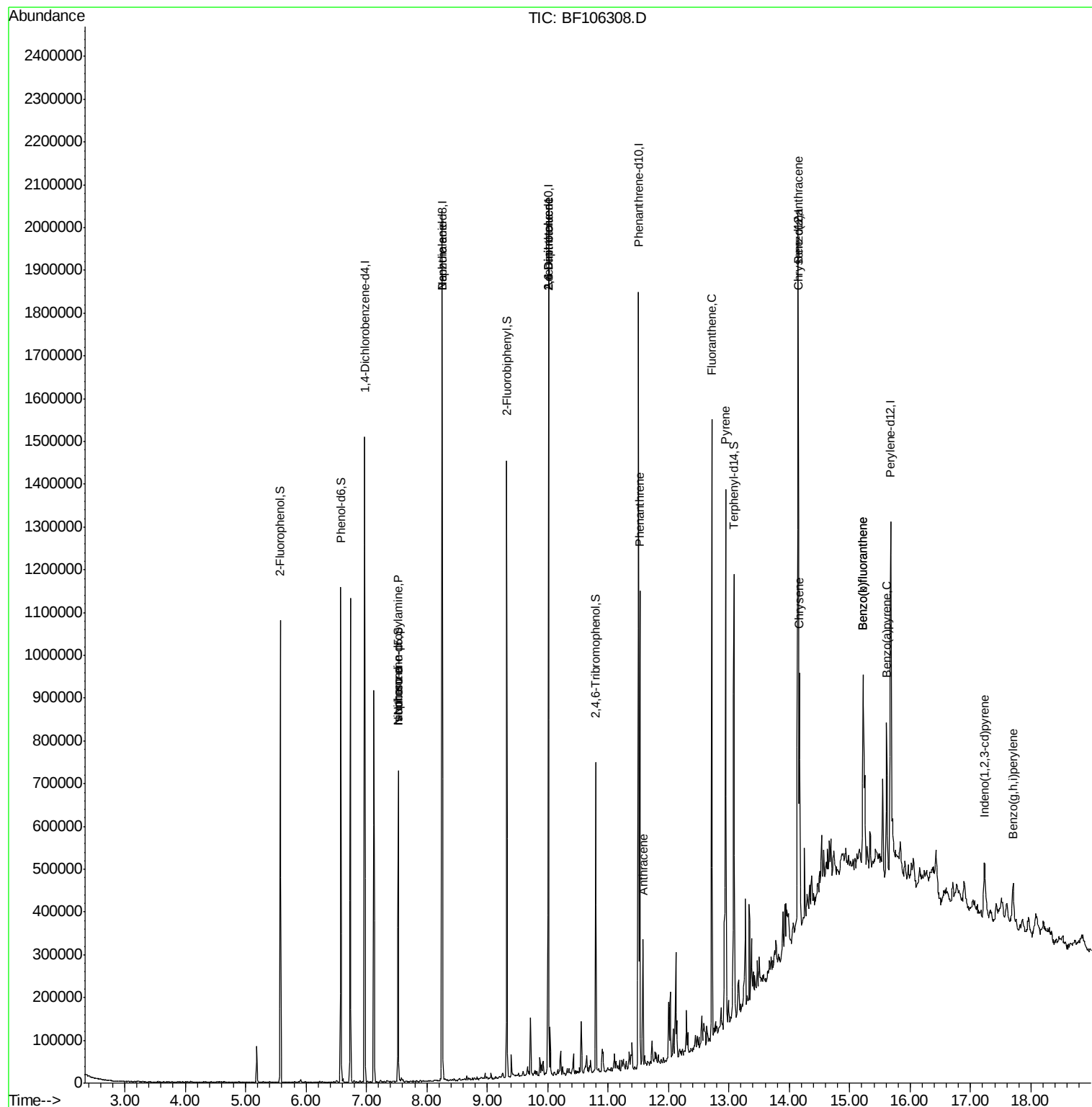
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	26295	2.257	ng	# 77
25) Isophorone	7.52	82	188341	7.156	ng	# 64
32) Benzoic acid	8.25	122	122	7.301	ng	# 1
50) 2,6-Dinitrotoluene	10.01	165	47722	9.149	ng	# 26
56) 2,4-Dinitrotoluene	10.01	165	47722	7.286	ng	# 23
70) Phenanthrene	11.52	178	347198	11.563	ng	99
71) Anthracene	11.58	178	107970	3.589	ng	98
74) Fluoranthene	12.72	202	555391	17.344	ng	97
77) Pyrene	12.95	202	489877	15.276	ng	99
80) Benzo(a)anthracene	14.14	228	264704	8.684	ng	97
82) Chrysene	14.17	228	227243	8.165	ng	99
85) Indeno(1,2,3-cd)pyrene	17.23	276	84576	3.808	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	345456	14.001	ng	97
88) Benzo(k)fluoranthene	15.22	252	345456	14.137	ng	97
89) Benzo(a)pyrene	15.61	252	180284	8.124	ng	98
91) Benzo(g,h,i)perylene	17.71	276	79051	4.396	ng	93

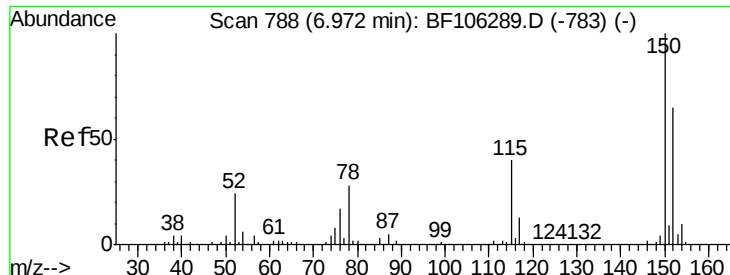
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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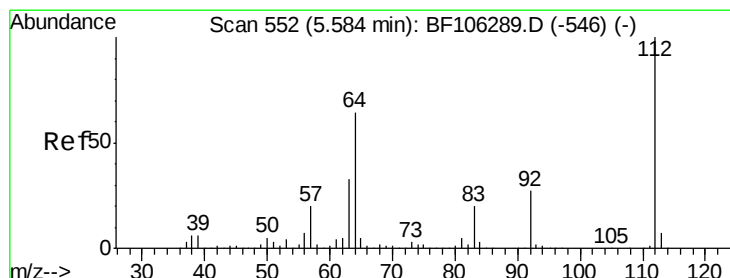
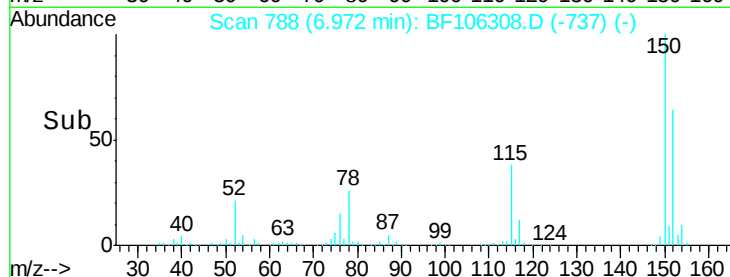
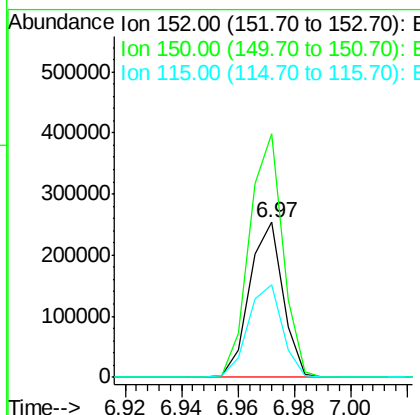
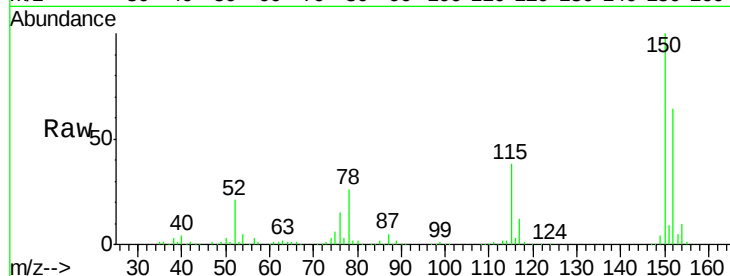




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

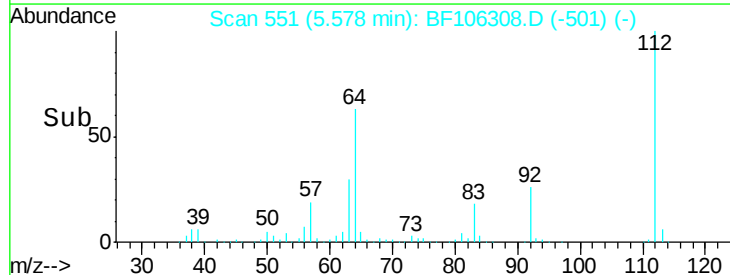
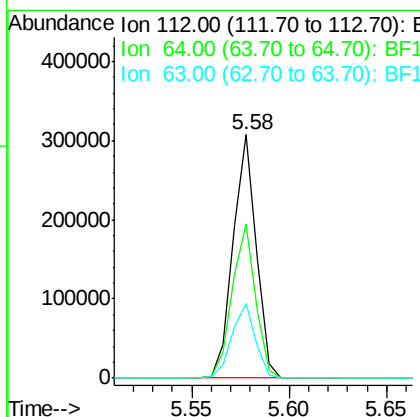
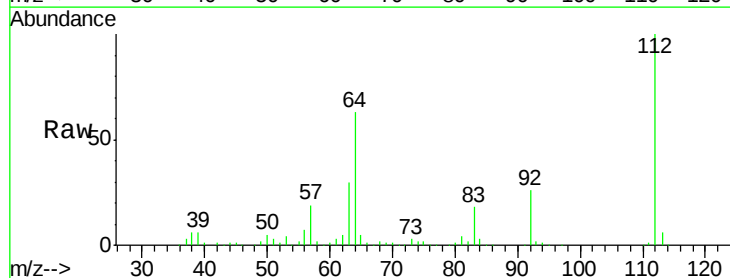
Instrument :
 BNA_F
 ClientSampleId :
 TP-D-DB-1-2

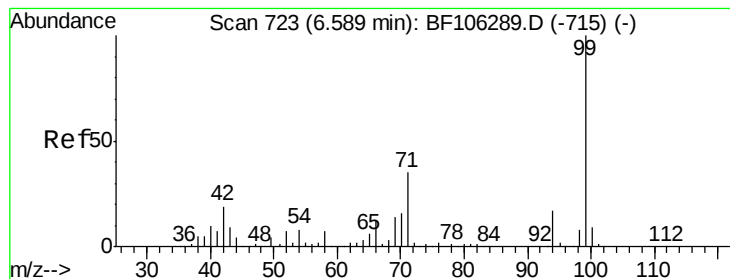
Tgt Ion:152 Resp: 208053
 Ion Ratio Lower Upper
 152 100
 150 156.9 124.6 186.8
 115 59.6 50.1 75.1



#5
 2-Fluorophenol
 Concen: 20.459 ng
 RT: 5.58 min Scan# 551
 Delta R.T. -0.01 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

Tgt Ion:112 Resp: 251492
 Ion Ratio Lower Upper
 112 100
 64 63.2 47.9 71.9
 63 30.5 23.7 35.5





#7

Phenol-d6

Concen: 20.322 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampled :

TP-D-DB-1-2

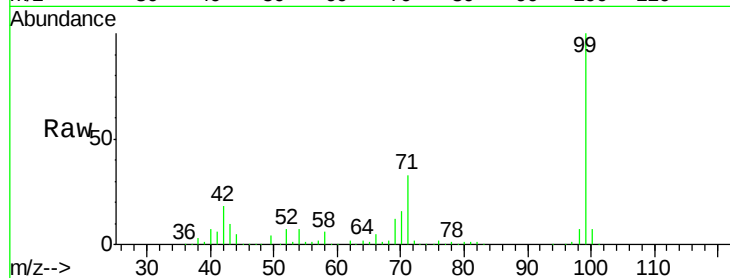
Tgt Ion: 99 Resp: 315615

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

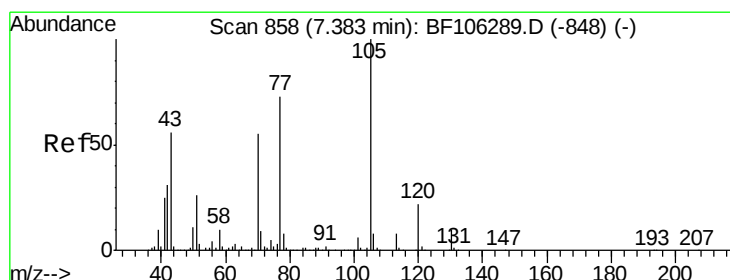
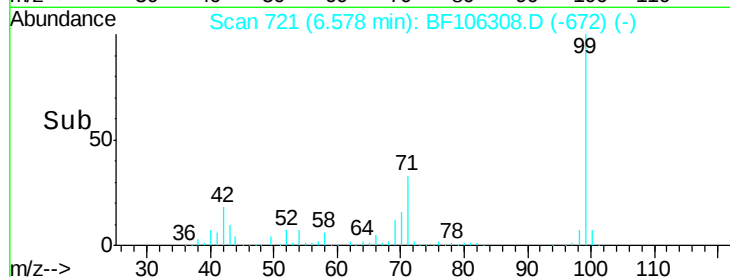
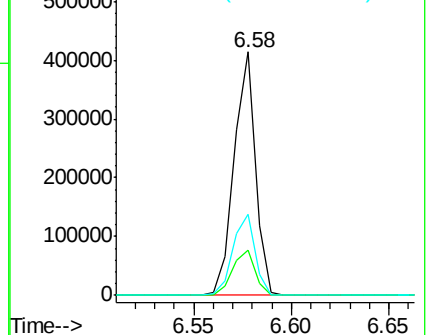
71 33.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.257 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Tgt Ion: 70 Resp: 26295

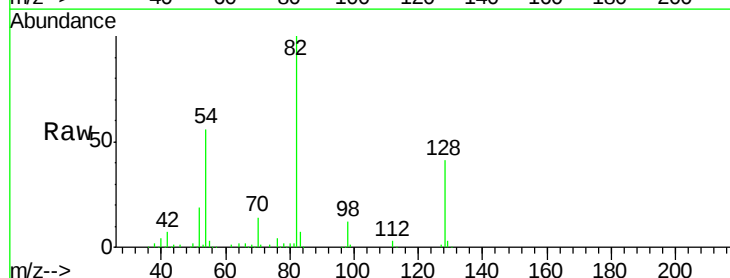
Ion Ratio Lower Upper

70 100

42 46.7 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

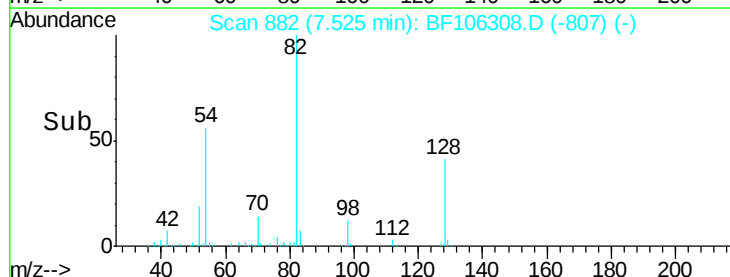
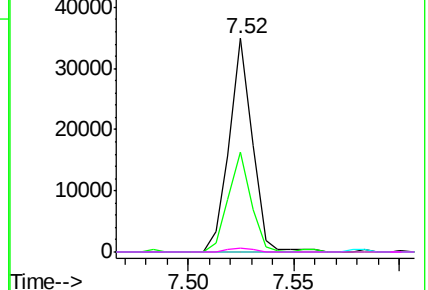


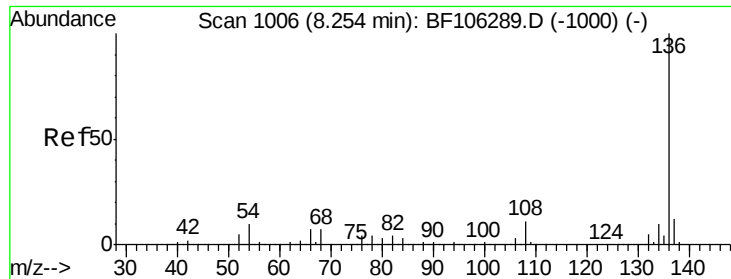
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

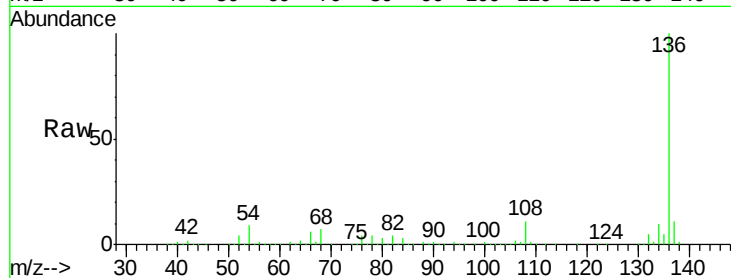




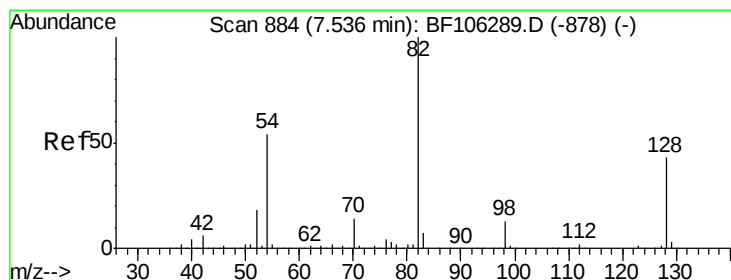
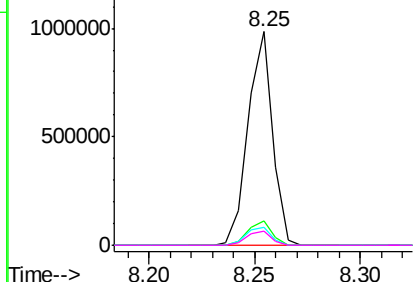
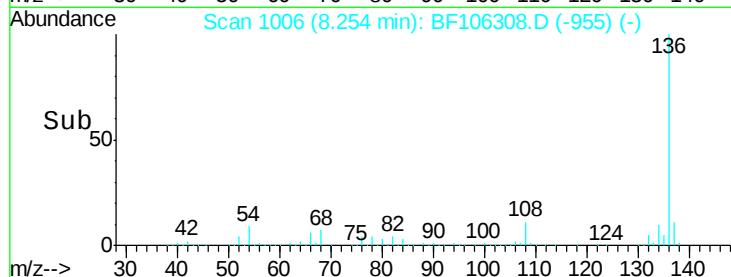
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.00 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tgt Ion:	136	Resp:	792725
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.5	6.6	9.8
68	6.7	5.0	7.4

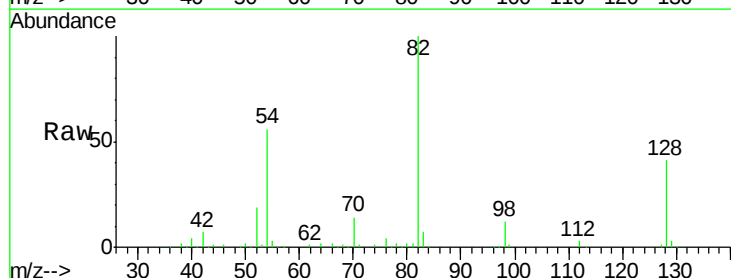


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

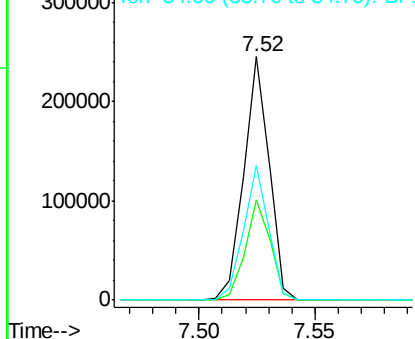
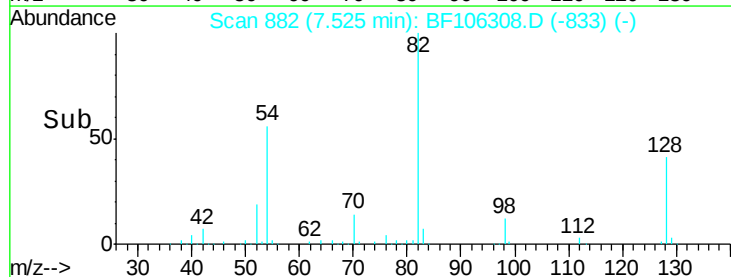


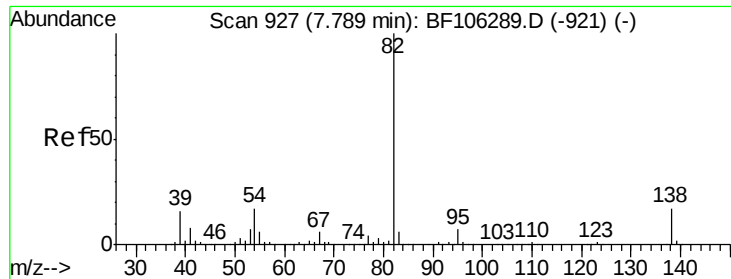
#23
Nitrobenzene-d5
Concen: 13.977 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106308.D
Acq: 11 Jun 2018 21:22

Tgt Ion:	82	Resp:	188345
Ion	Ratio	Lower	Upper
82	100		
128	41.2	36.1	54.1
54	55.6	41.4	62.2



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





#25

Isophorone

Concen: 7.156 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

TP-D-DB-1-2

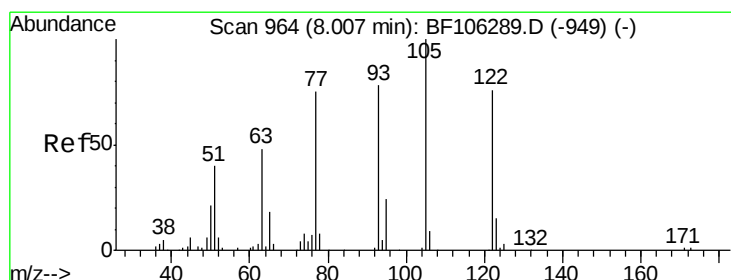
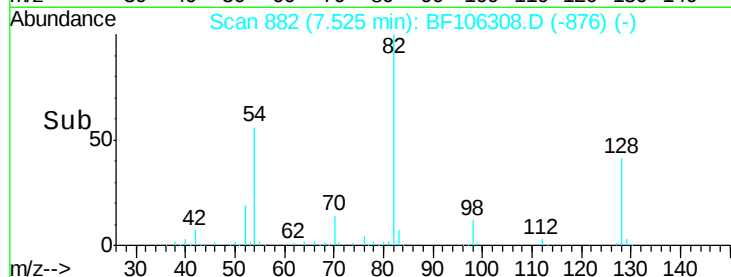
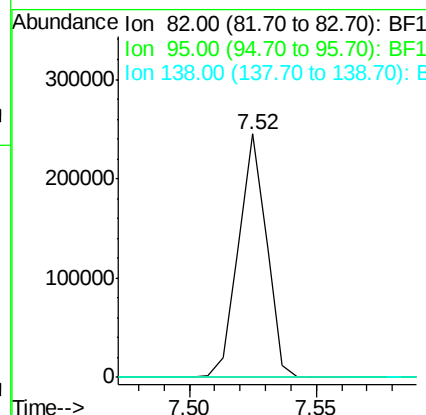
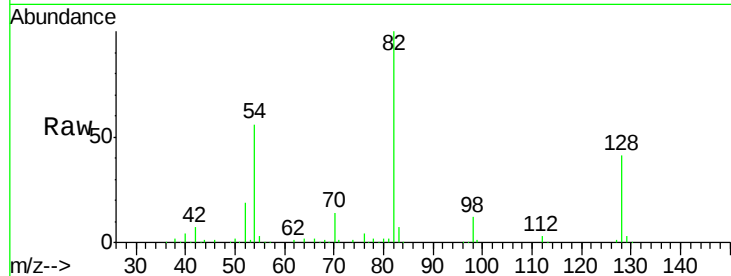
Tgt Ion: 82 Resp: 188341

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#32

Benzoic acid

Concen: 7.301 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.25 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

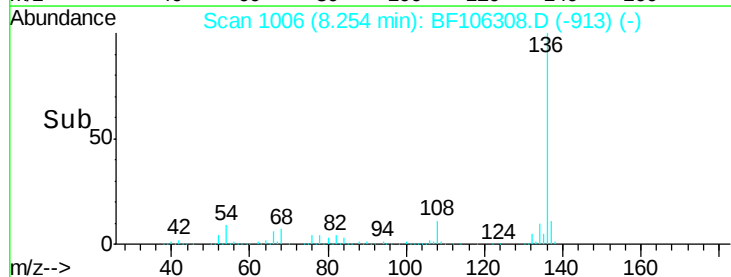
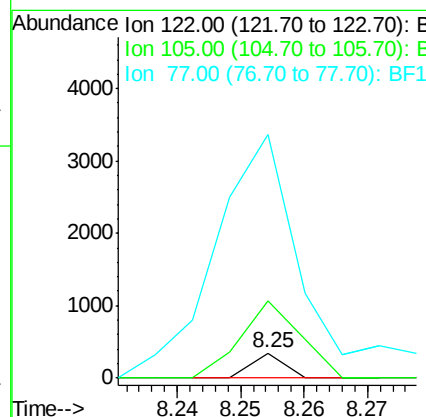
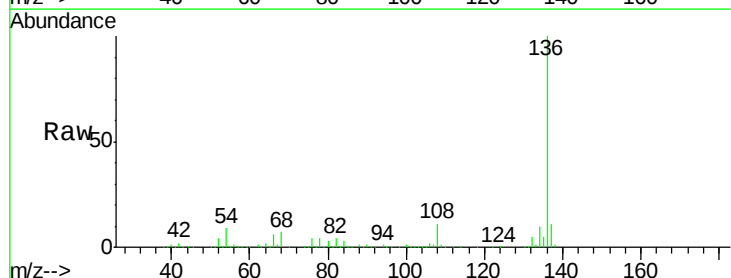
Tgt Ion: 122 Resp: 122

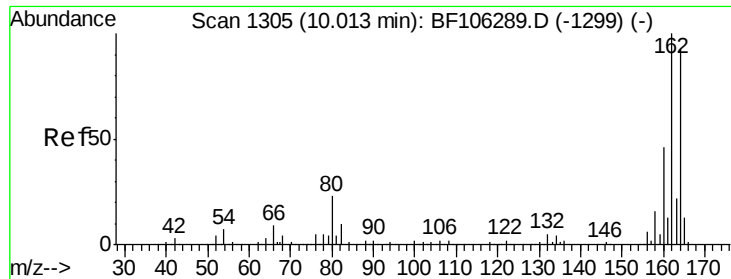
Ion Ratio Lower Upper

122 100

105 307.5 101.1 141.1#

77 975.1 70.7 110.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

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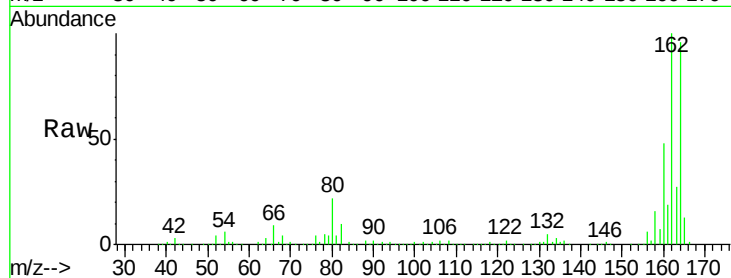
Tgt Ion:164 Resp: 357424

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

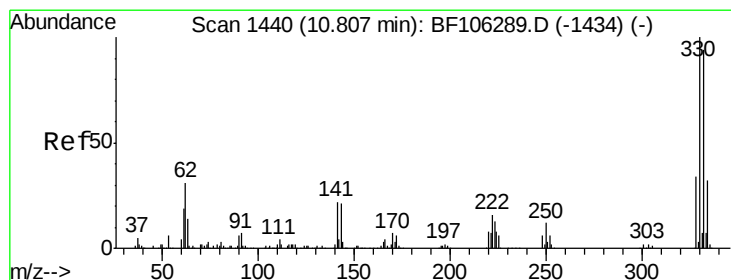
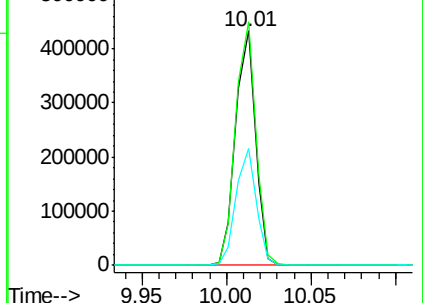
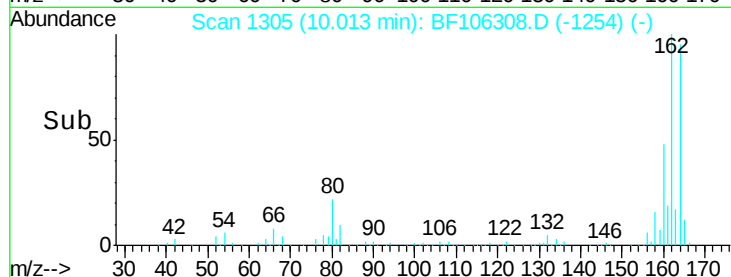
160 49.7 38.3 57.5



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: 18.527 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

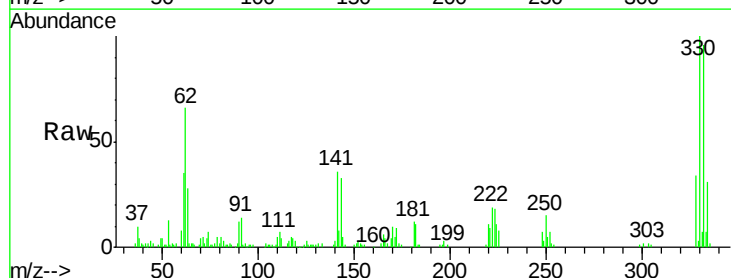
Tgt Ion:330 Resp: 63715

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

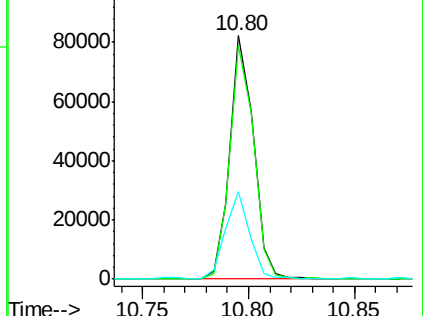
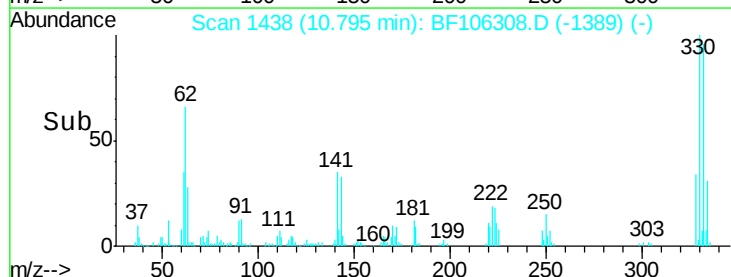
141 37.3 29.9 44.9

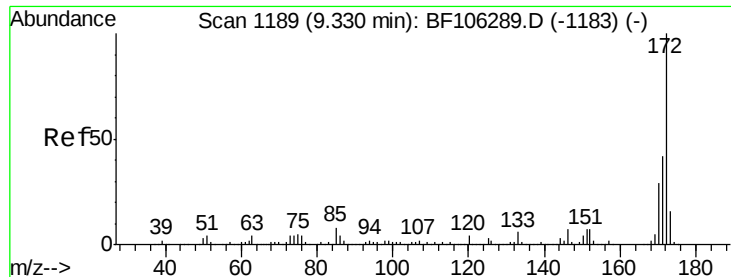


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

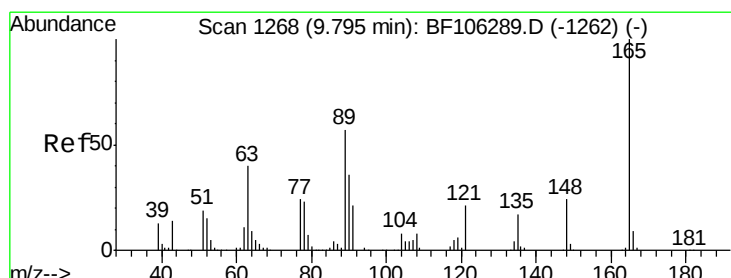
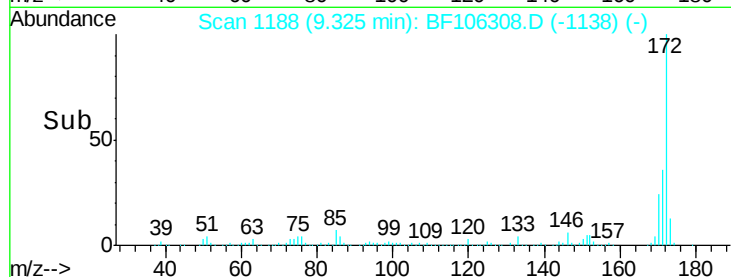
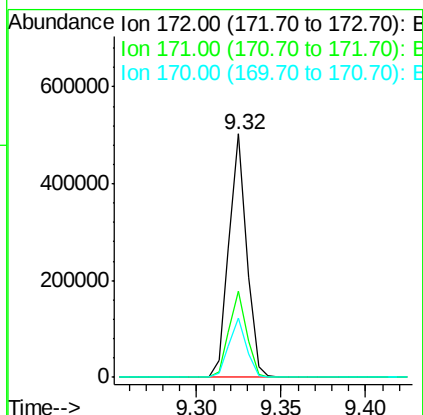
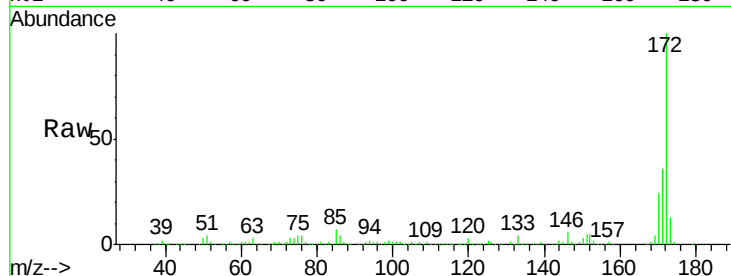




#44
 2-Fluorobiphenyl
 Concen: 8.674 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

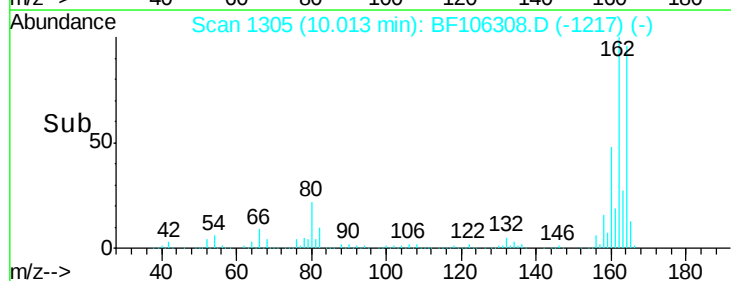
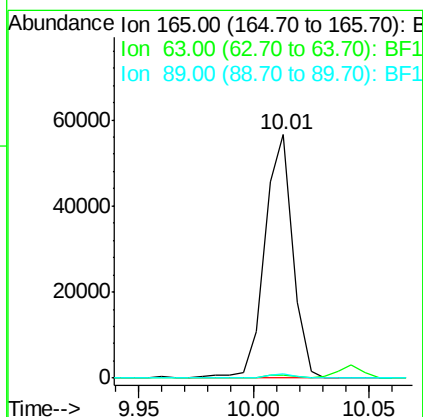
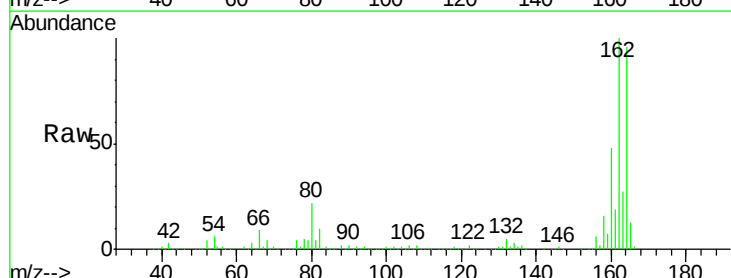
Instrument :
 BNA_F
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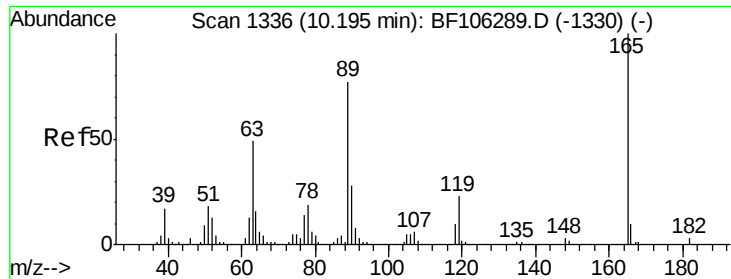
Tgt Ion:172 Resp: 369510
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 24.2 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 9.149 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. 0.22 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

Tgt Ion:165 Resp: 47722
 Ion Ratio Lower Upper
 165 100
 63 1.2 44.7 67.1#
 89 1.9 44.0 66.0#

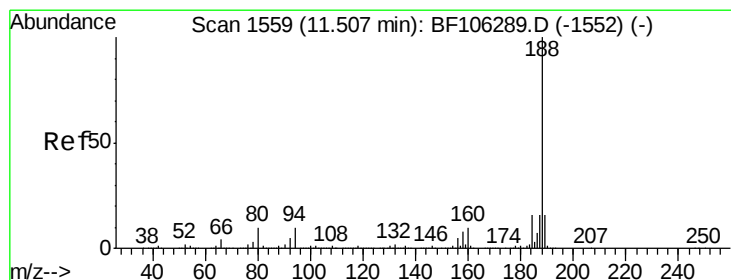
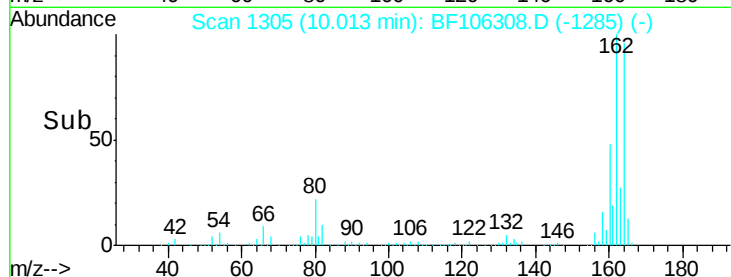
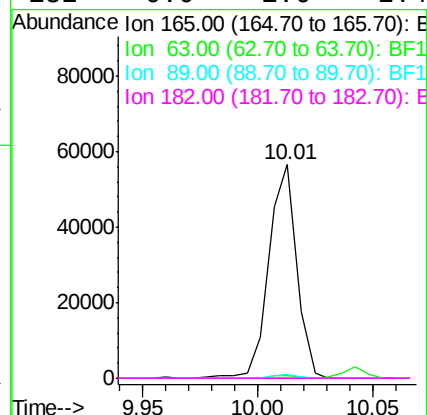
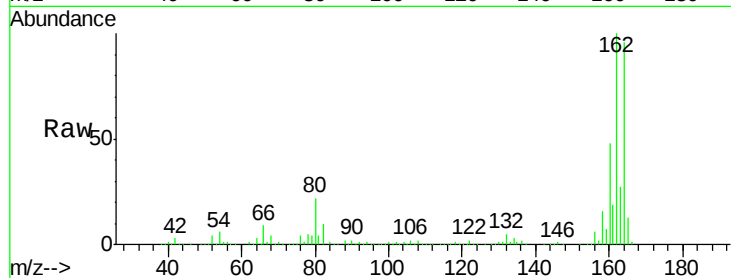




#56
 2,4-Dinitrotoluene
 Concen: 7.286 ng
 RT: 10.01 min Scan# 1305
 Delta R.T. -0.18 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

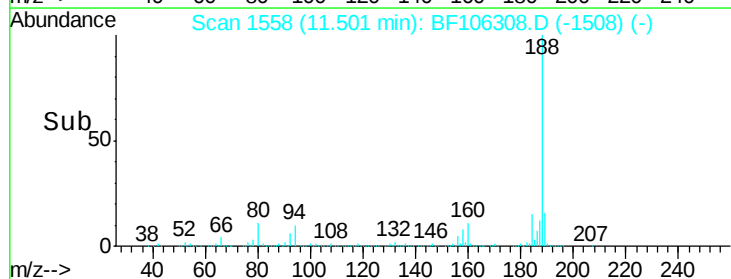
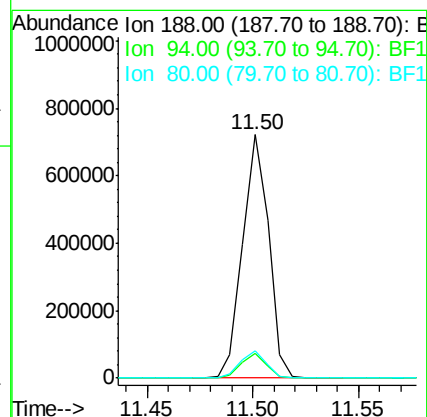
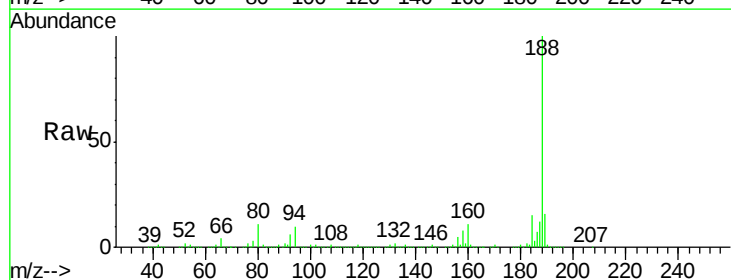
Instrument :
 BNA_F
 ClientSampleId :
 TP-D-DB-1-2

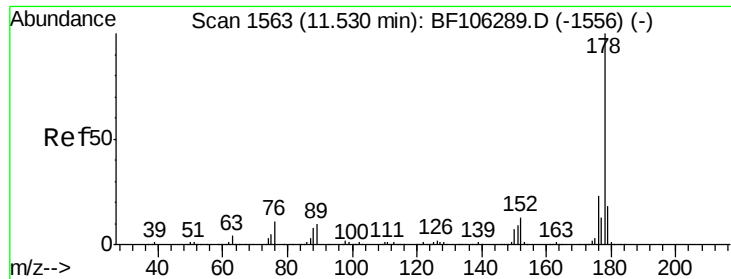
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.2	9.2	13.8





#70

Phenanthrene

Concen: 11.563 ng

RT: 11.52 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

TP-D-DB-1-2

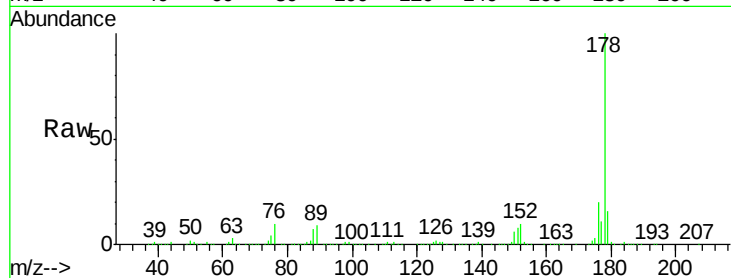
Tgt Ion:178 Resp: 347198

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

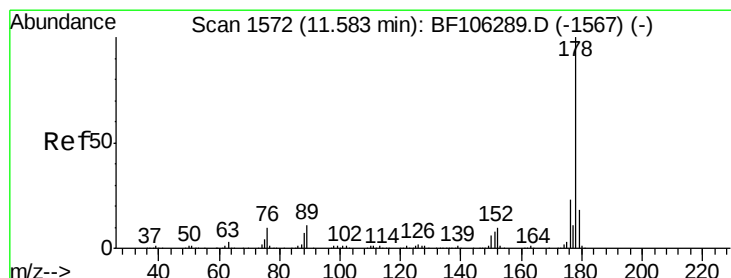
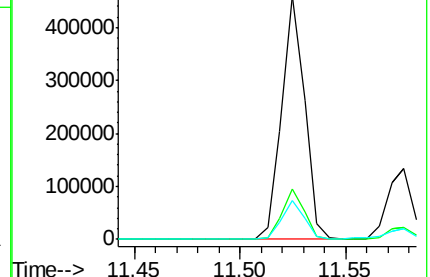
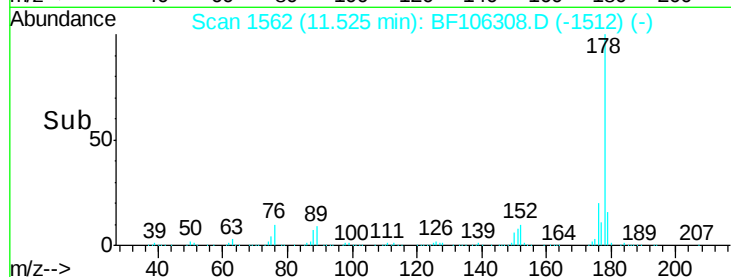
179 15.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.589 ng

RT: 11.58 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

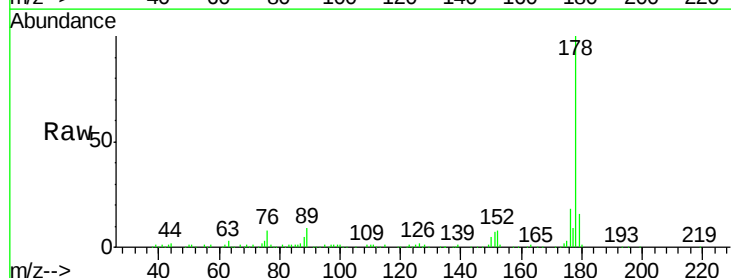
Tgt Ion:178 Resp: 107970

Ion Ratio Lower Upper

178 100

176 17.6 15.4 23.2

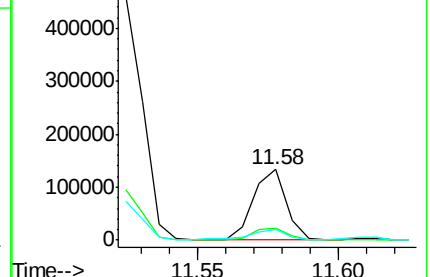
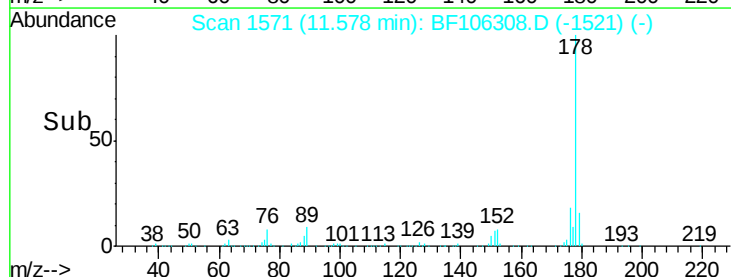
179 15.6 12.6 19.0

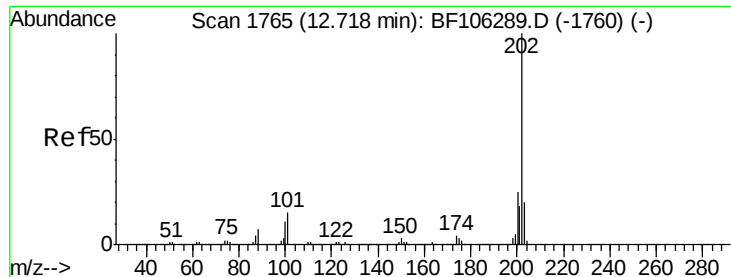


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.344 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

TP-D-DB-1-2

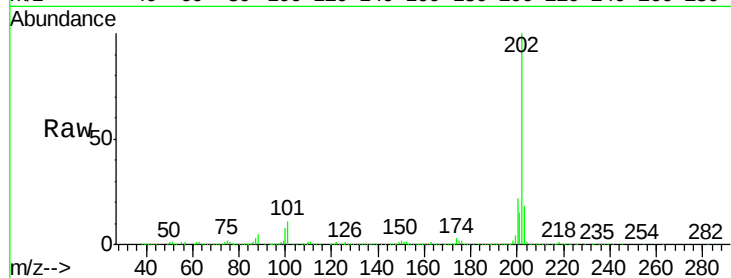
Tgt Ion:202 Resp: 555391

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

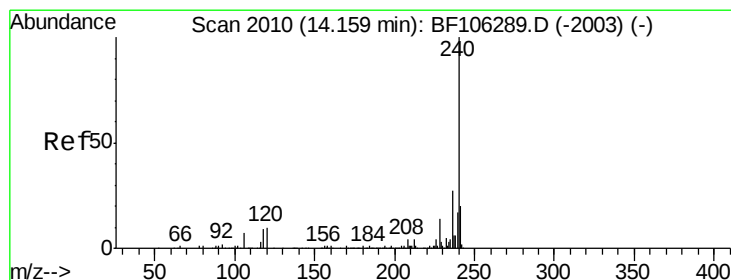
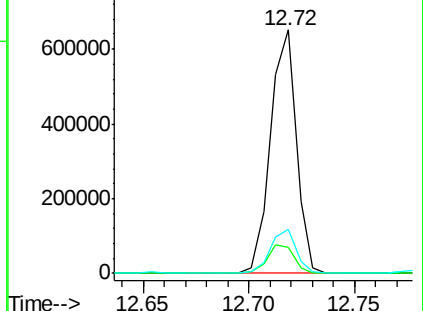
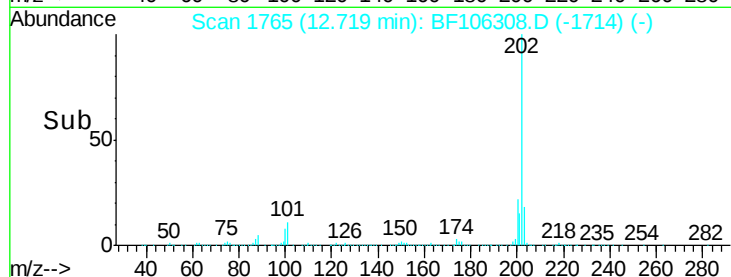
203 18.1 0.0 38.1



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: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

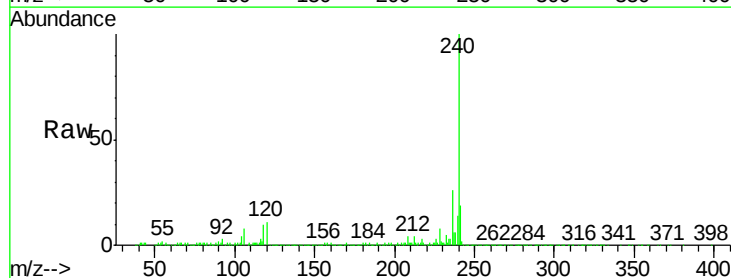
Tgt Ion:240 Resp: 512216

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

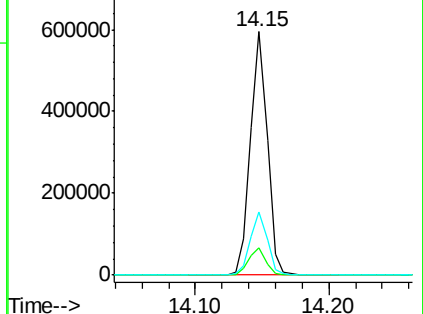
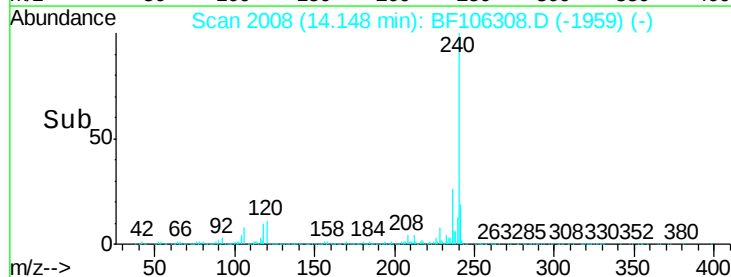
236 26.2 20.7 31.1

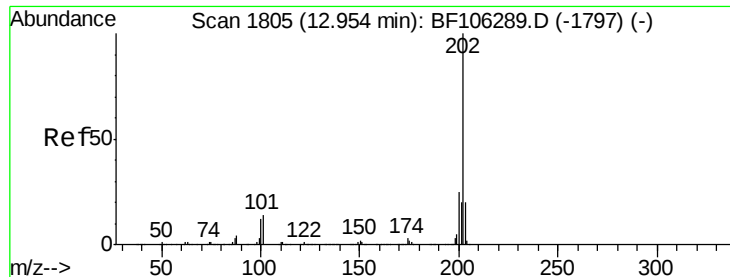


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

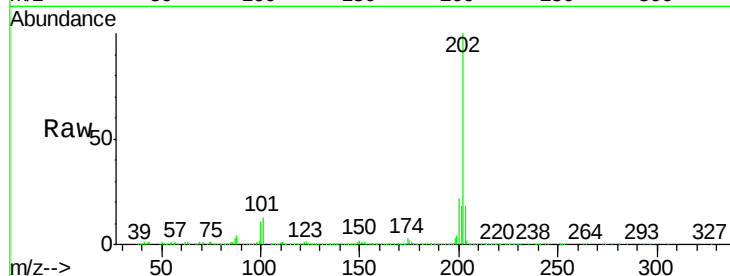




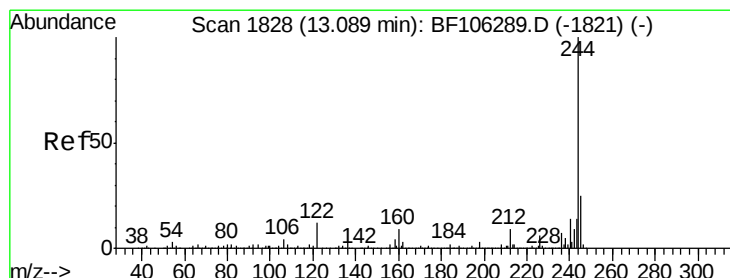
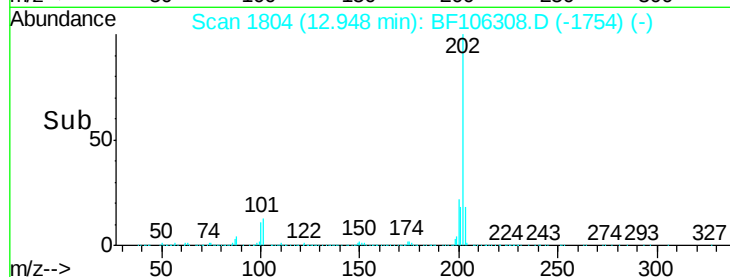
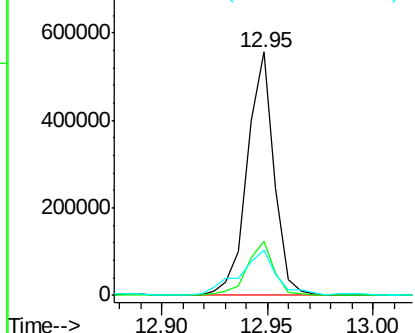
#77
 Pyrene
 Concen: 15.276 ng
 RT: 12.95 min Scan# 1804
 Delta R.T. -0.01 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

Instrument :
 BNA_F
 ClientSampleId :
 TP-D-DB-1-2

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.4	14.3	21.5

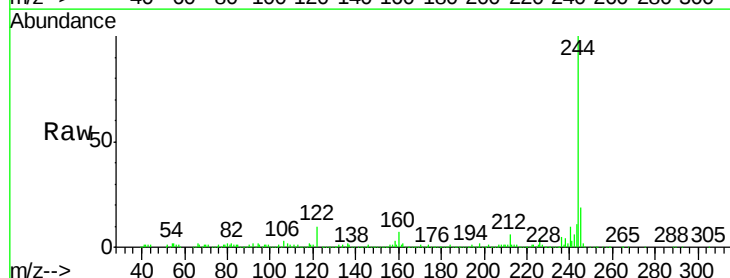


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

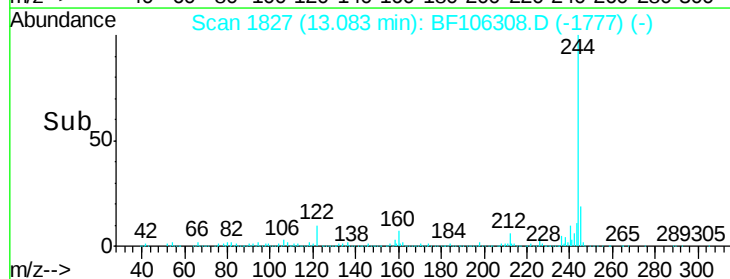
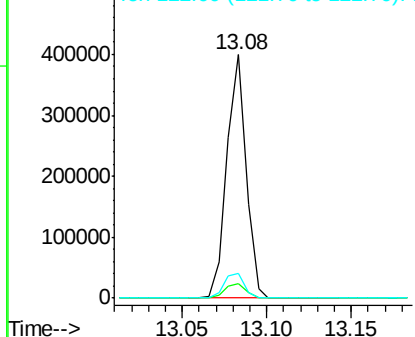


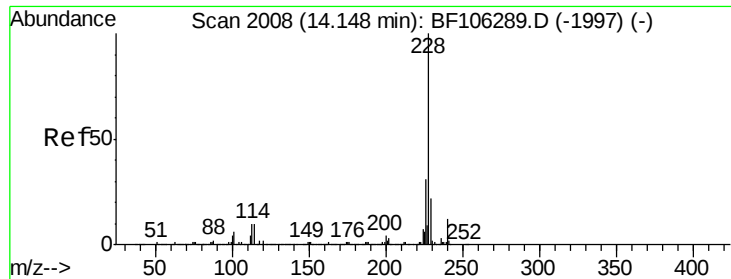
#78
 Terphenyl-d14
 Concen: 15.410 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.01 min
 Lab File: BF106308.D
 Acq: 11 Jun 2018 21:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	10.1	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: 8.684 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

TP-D-DB-1-2

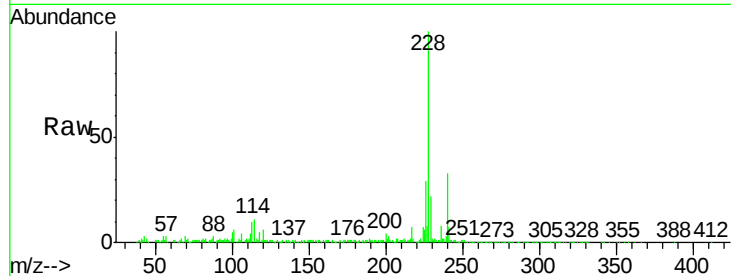
Tgt Ion:228 Resp: 264704

Ion Ratio Lower Upper

228 100

226 29.0 22.6 33.8

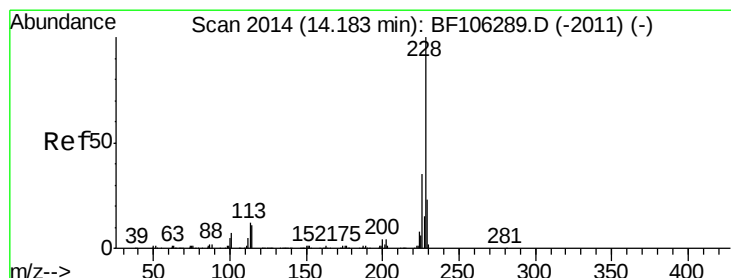
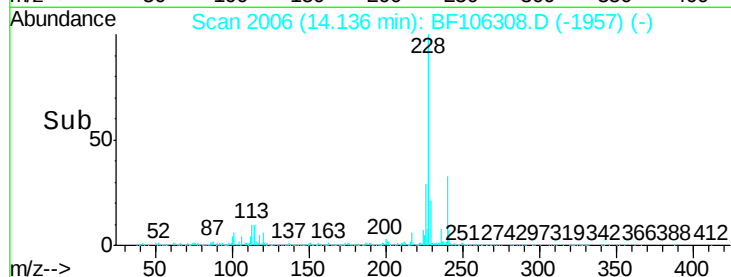
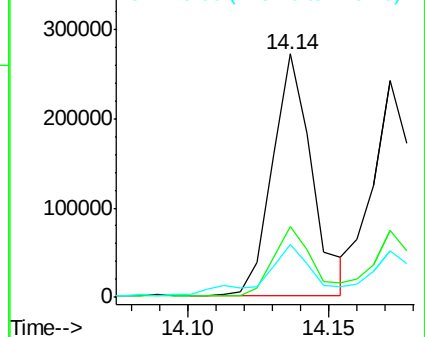
229 21.6 15.8 23.6



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: 8.165 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

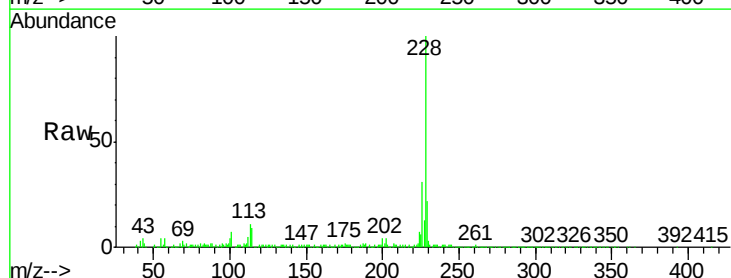
Tgt Ion:228 Resp: 227243

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

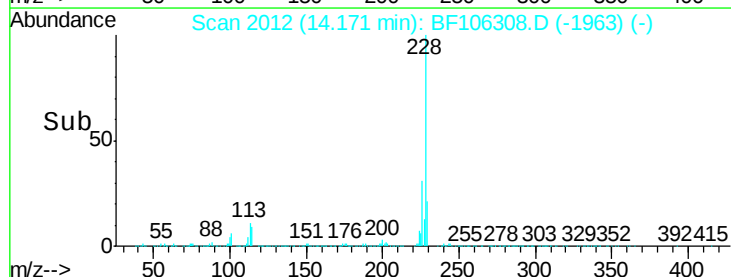
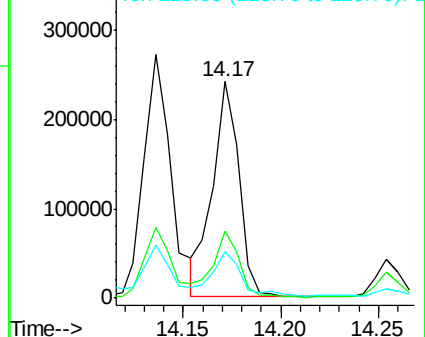
229 21.8 16.2 24.4

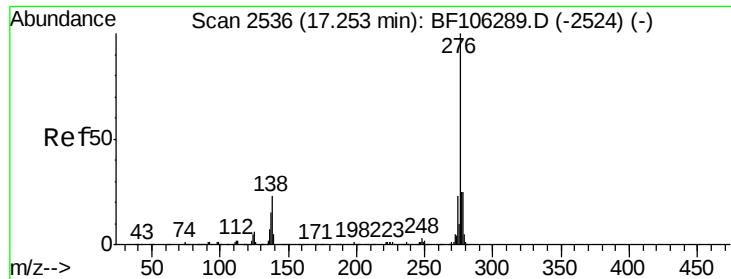


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.808 ng

RT: 17.23 min Scan# 2532

Delta R.T. -0.02 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

TP-D-DB-1-2

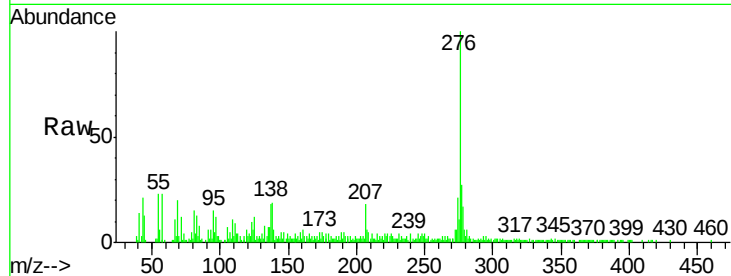
Tgt Ion:276 Resp: 84576

Ion Ratio Lower Upper

276 100

138 21.8 25.0 37.6#

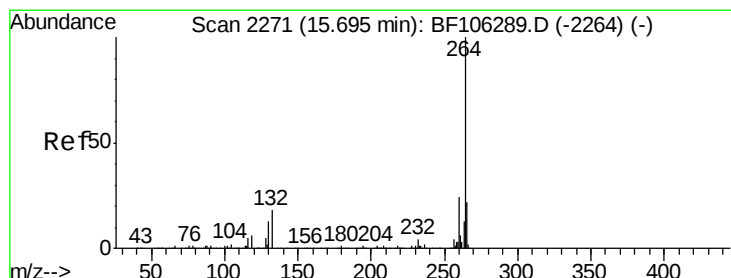
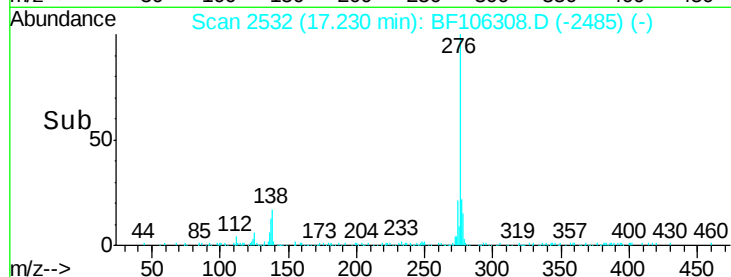
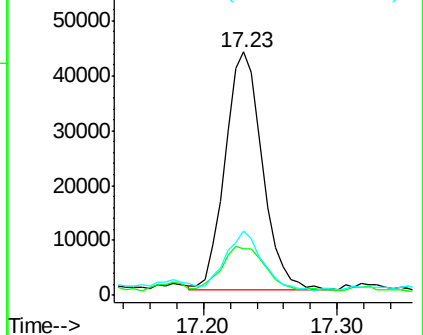
277 25.1 20.1 30.1



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

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

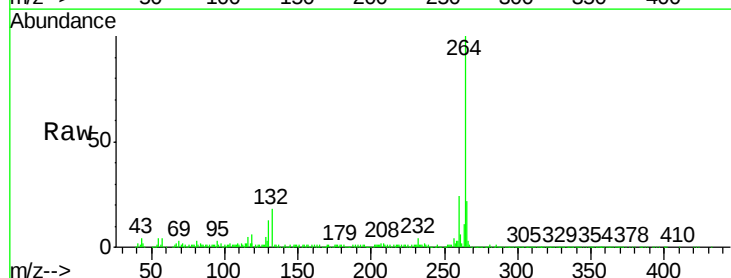
Tgt Ion:264 Resp: 408171

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

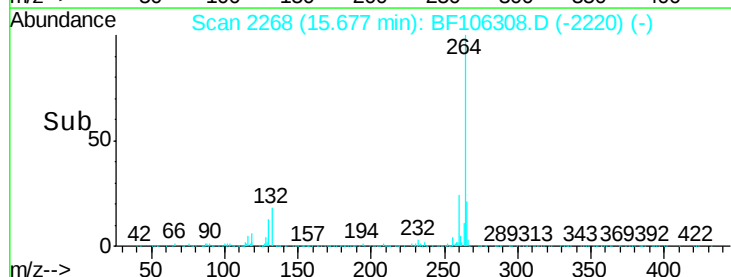
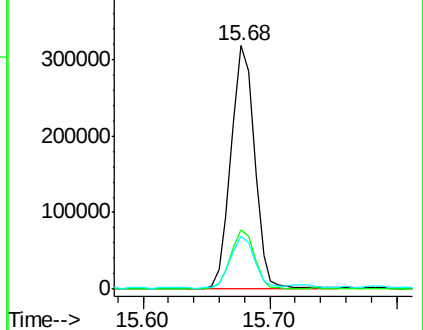
265 21.8 17.5 26.3

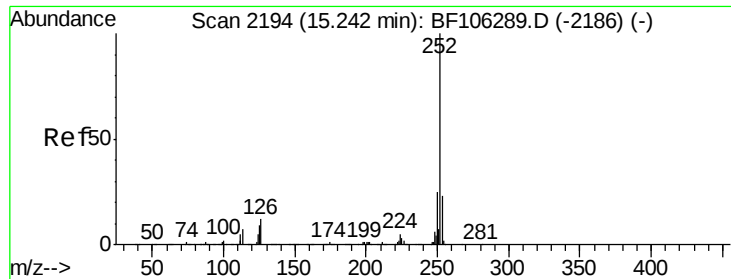


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 14.001 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.02 min

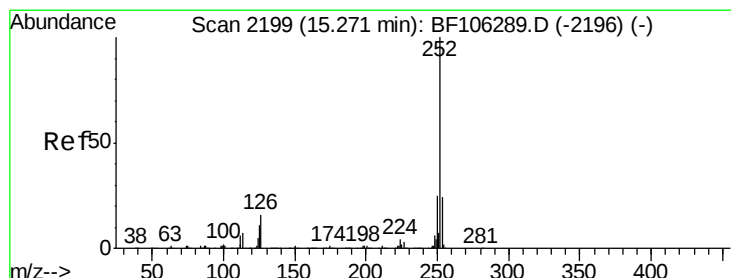
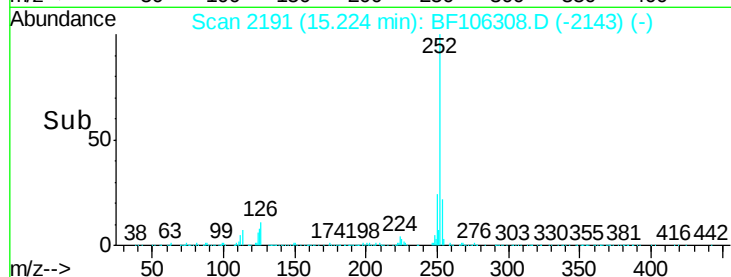
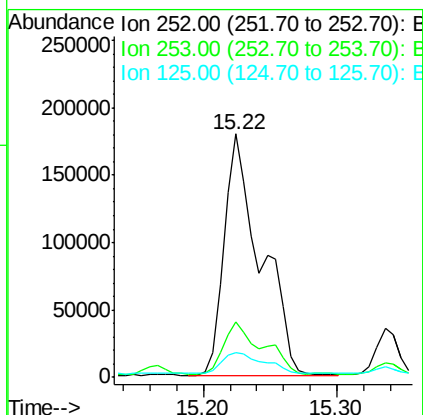
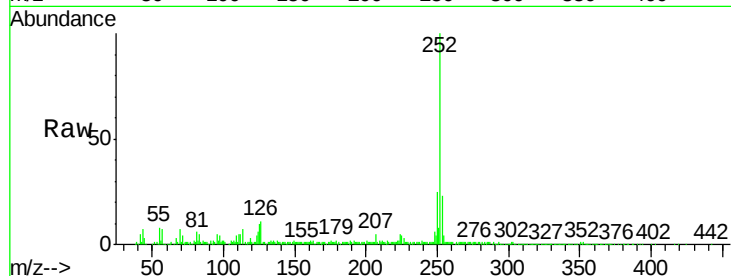
Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :
BNA_F
ClientSampleId :
TP-D-DB-1-2

Tgt Ion:252 Resp: 345456

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.2	9.0	13.6



#88

Benzo(k)fluoranthene

Concen: 14.137 ng

RT: 15.22 min Scan# 2191

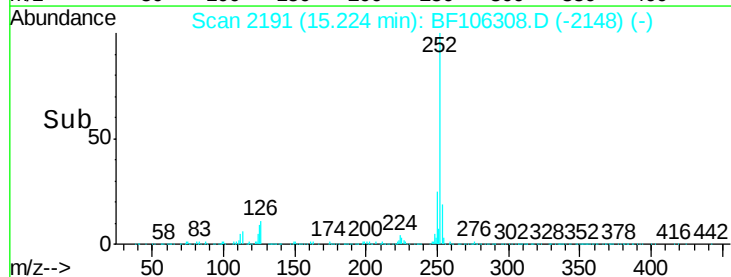
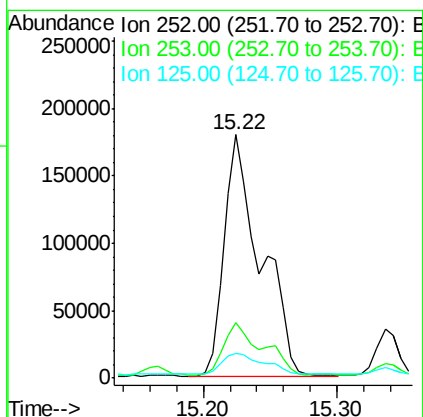
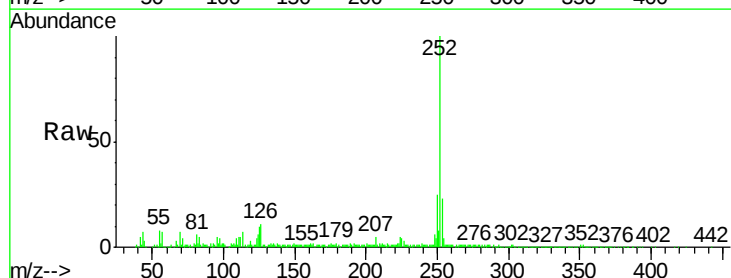
Delta R.T. -0.05 min

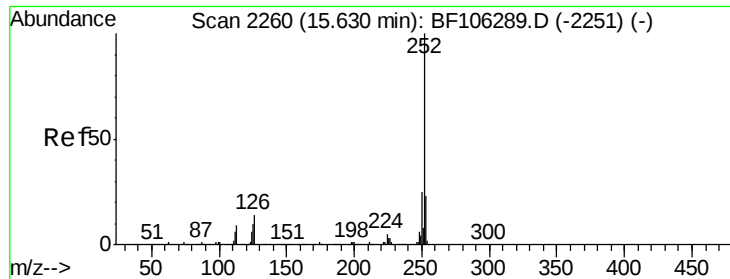
Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Tgt Ion:252 Resp: 345456

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 8.124 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

Instrument :

BNA_F

ClientSampleId :

TP-D-DB-1-2

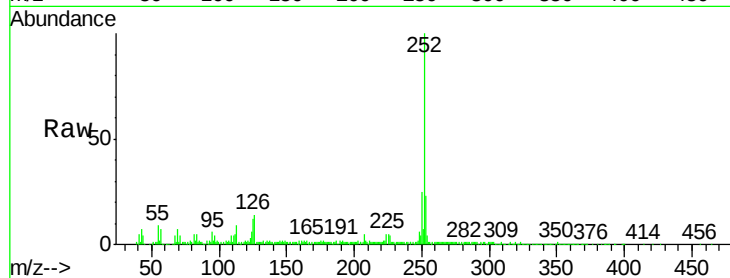
Tgt Ion:252 Resp: 180284

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

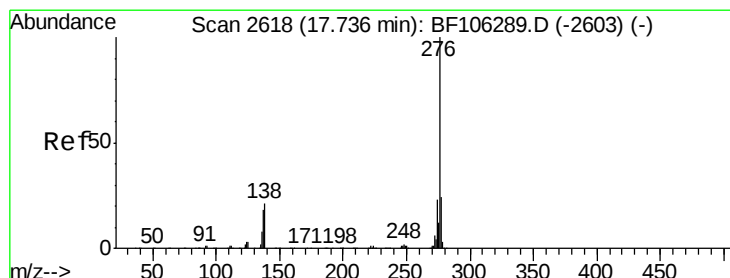
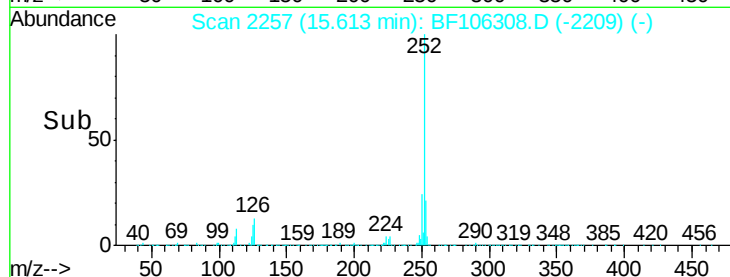
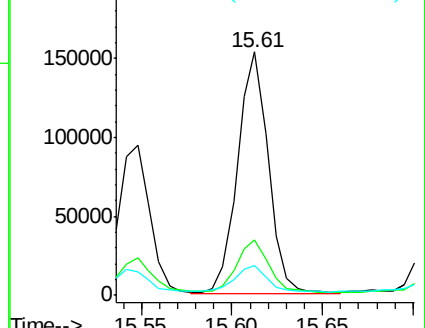
125 12.0 9.8 14.6



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: 4.396 ng

RT: 17.71 min Scan# 2613

Delta R.T. -0.03 min

Lab File: BF106308.D

Acq: 11 Jun 2018 21:22

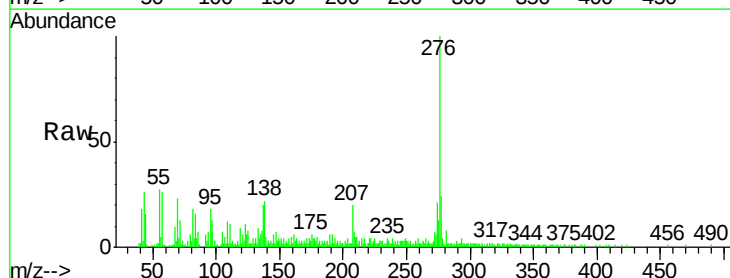
Tgt Ion:276 Resp: 79051

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 21.9 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

