

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080118\
 Data File : BF107890.D
 Acq On : 1 Aug 2018 15:47
 Operator : JU/SJ
 Sample : J4164-10 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Quant Time: Aug 01 16:30:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	103480	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	467827	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	200218	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	404981	20.00	ng	0.00
75) Chrysene-d12	14.15	240	376429	20.00	ng	0.00
86) Perylene-d12	15.69	264	422898	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	58122	9.55	ng	0.02
7) Phenol-d6	6.62	99	135188	16.85	ng	0.01
23) Nitrobenzene-d5	7.54	82	81438	10.03	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	48147	17.70	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	199461	13.88	ng	0.00
78) Terphenyl-d14	13.08	244	214182	12.34	ng	0.00

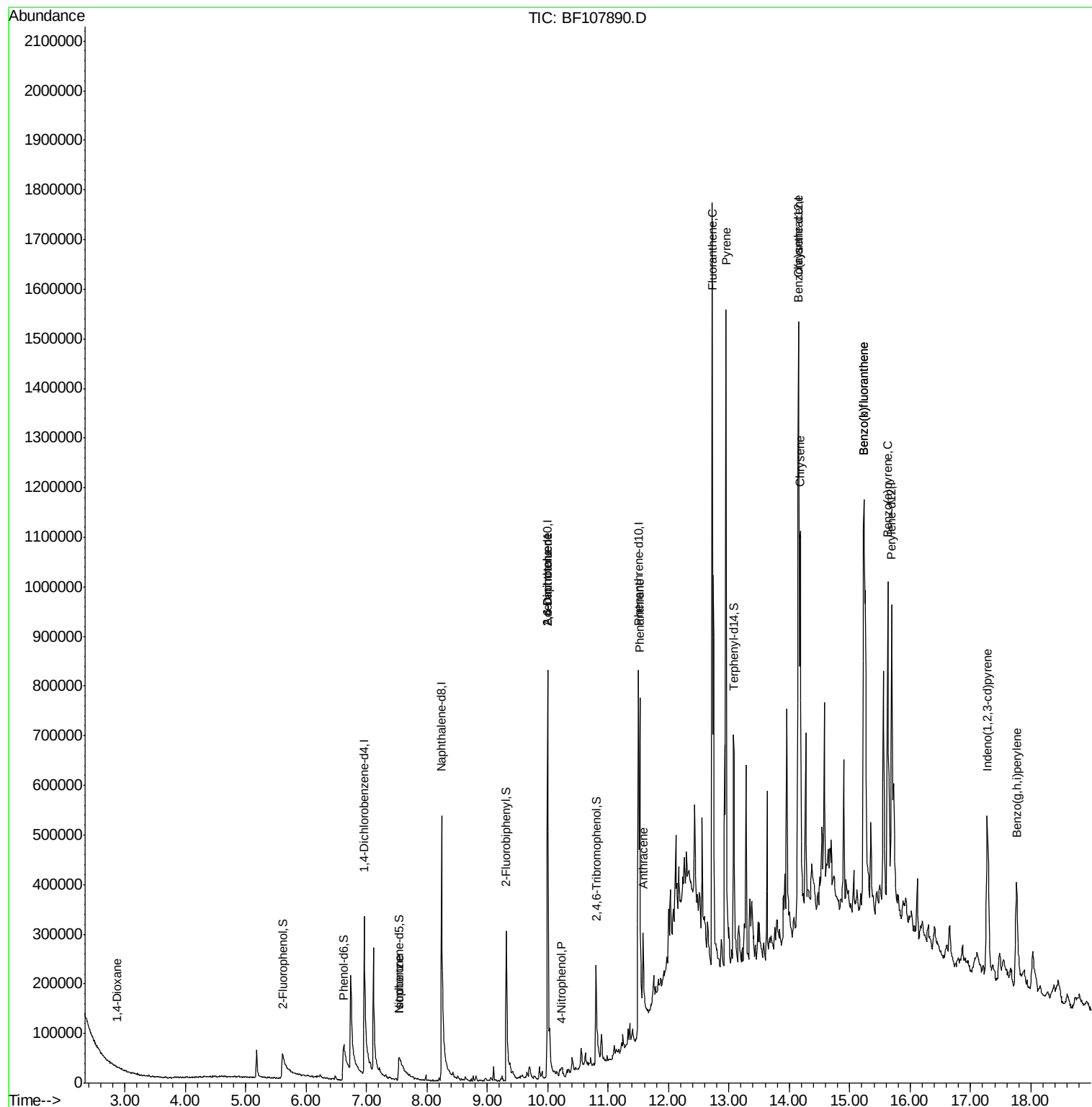
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.86	88	293	5.884	ng	# 2
25) Isophorone	7.54	82	81438	6.109	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	26441	8.092	ng	# 26
55) 4-Nitrophenol	10.22	139	6855	12.438	ng	# 18
56) 2,4-Dinitrotoluene	10.00	165	27290	6.354	ng	# 24
70) Phenanthrene	11.52	178	311981	16.224	ng	98
71) Anthracene	11.58	178	136538	6.156	ng	99
74) Fluoranthene	12.72	202	762269	33.742	ng	97
77) Pyrene	12.95	202	735625	27.139	ng	98
80) Benzo(a)anthracene	14.14	228	437938	20.538	ng	97
82) Chrysene	14.18	228	387620	16.854	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	259960	14.860	ng	# 88
87) Benzo(b)fluoranthene	15.24	252	821242	39.374	ng	98
88) Benzo(k)fluoranthene	15.24	252	821242	32.070	ng	99
89) Benzo(a)pyrene	15.63	252	476171	22.115	ng	98
91) Benzo(g,h,i)perylene	17.76	276	237565	13.072	ng	94

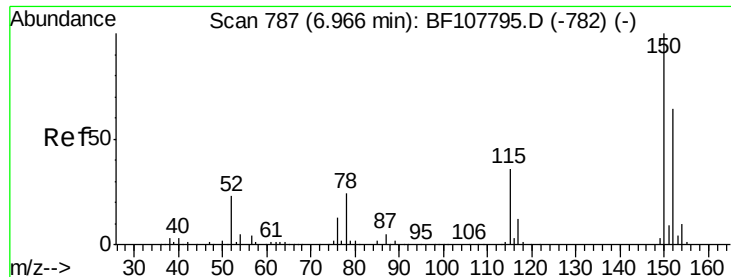
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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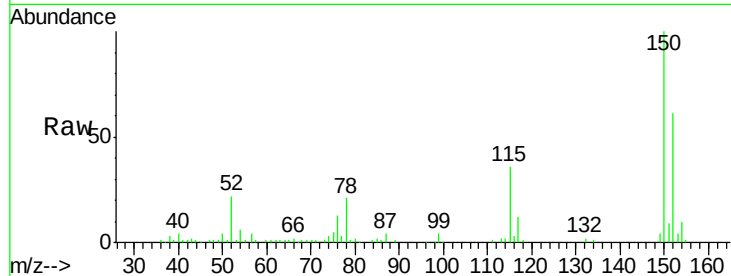


#1

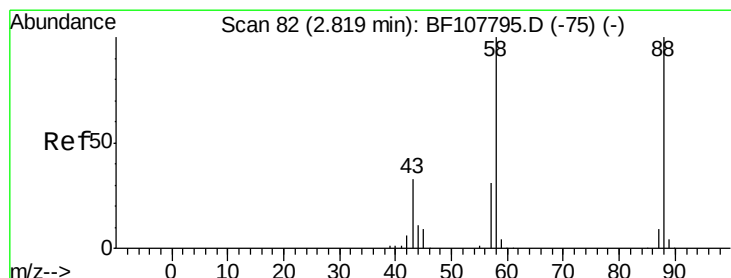
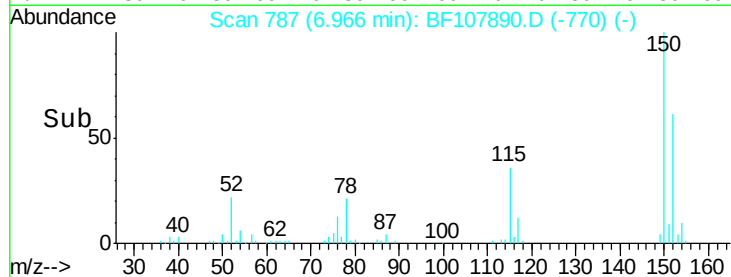
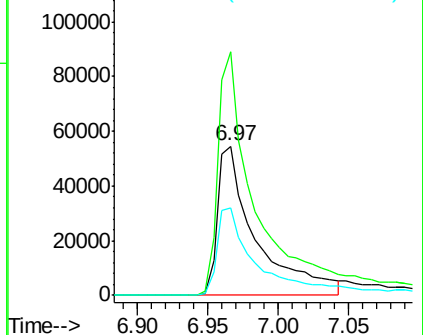
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
BNA_F
ClientSampleId :
SB-2

Tgt Ion:152 Resp: 103480
Ion Ratio Lower Upper
152 100
150 163.5 124.6 186.8
115 59.1 50.1 75.1



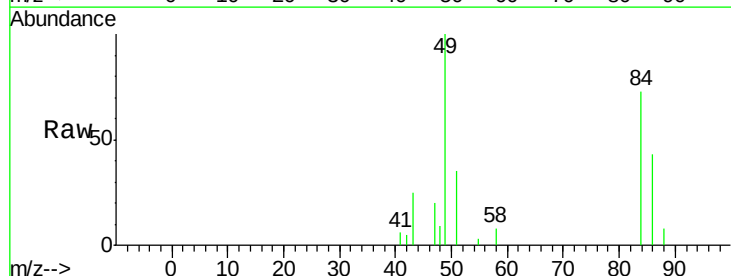
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



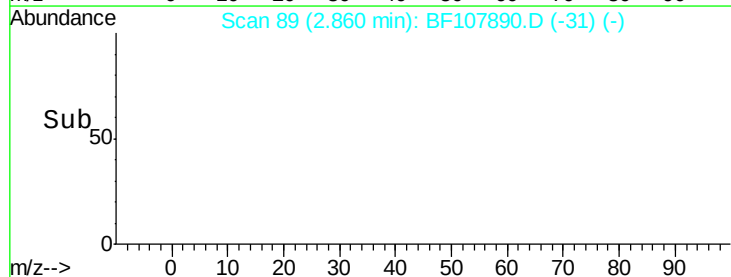
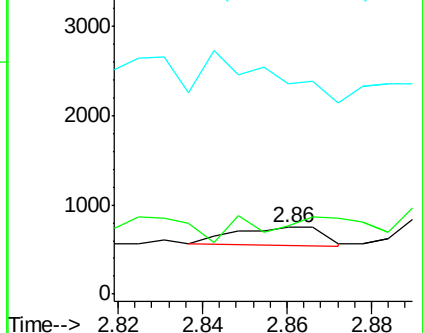
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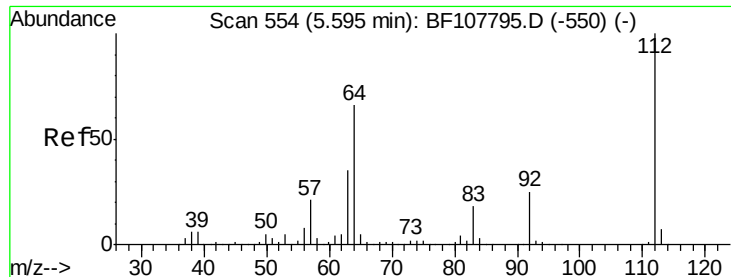
1,4-Dioxane
Concen: 5.884 ng
RT: 2.86 min Scan# 89
Delta R.T. 0.04 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion: 88 Resp: 293
Ion Ratio Lower Upper
88 100
58 177.8 62.6 93.8#
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 9.546 ng

RT: 5.61 min Scan# 557

Delta R.T. 0.02 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

ClientSampled :

SB-2

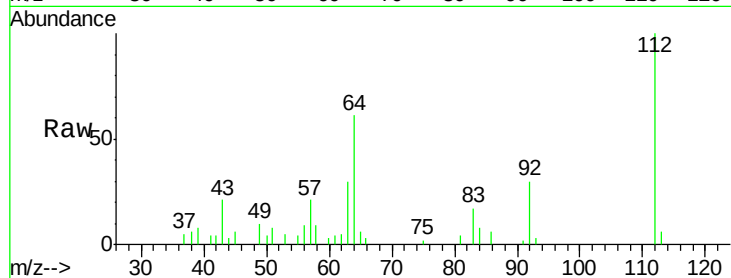
Tgt Ion: 112 Resp: 58122

Ion Ratio Lower Upper

112 100

64 61.1 47.9 71.9

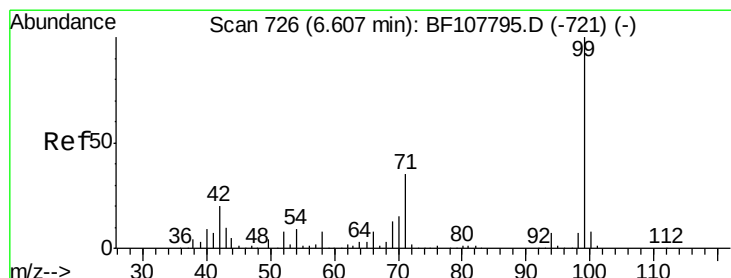
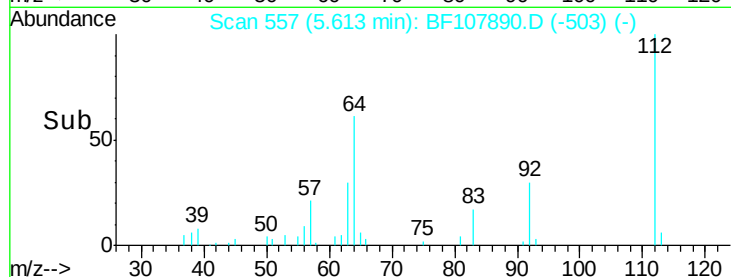
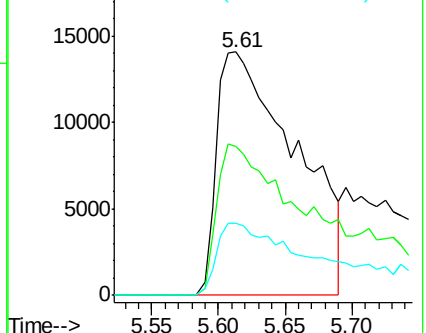
63 29.8 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 16.847 ng

RT: 6.62 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

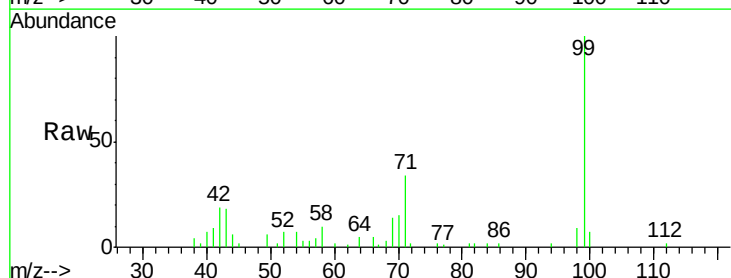
Tgt Ion: 99 Resp: 135188

Ion Ratio Lower Upper

99 100

42 19.2 14.5 21.7

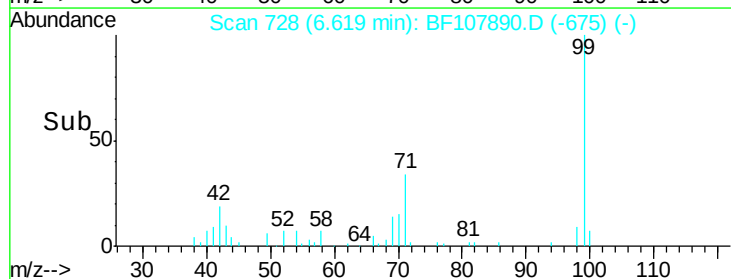
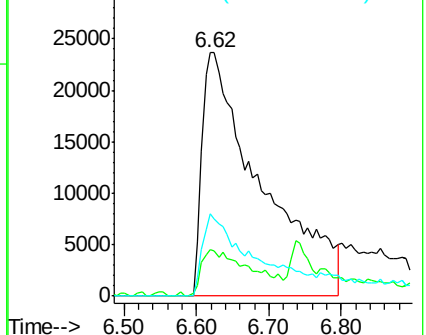
71 33.6 25.4 38.0

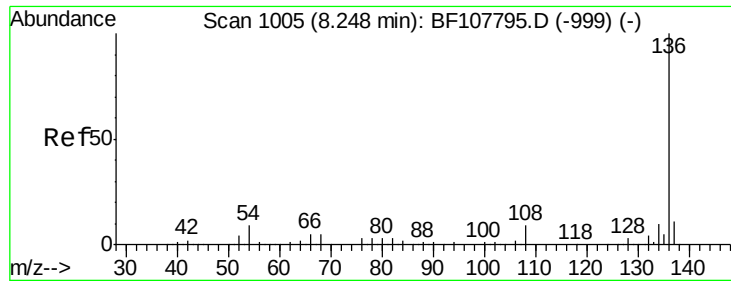


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

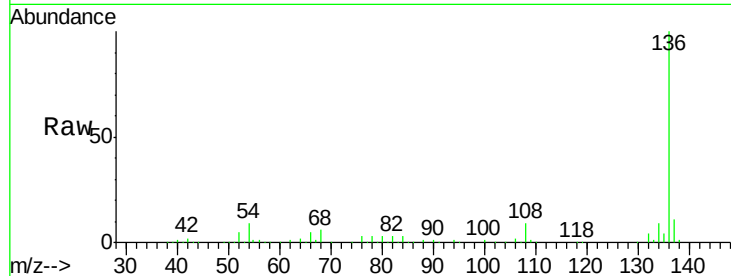




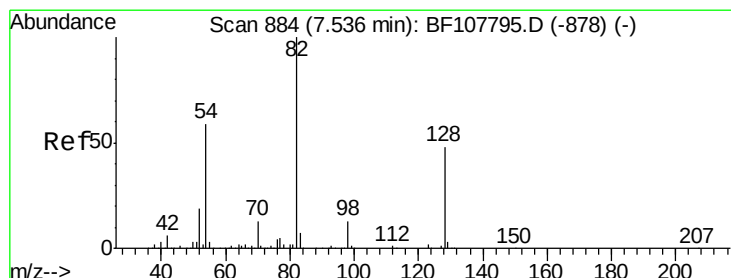
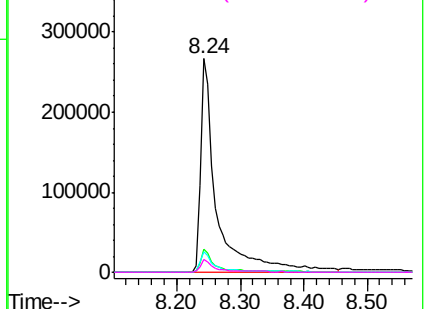
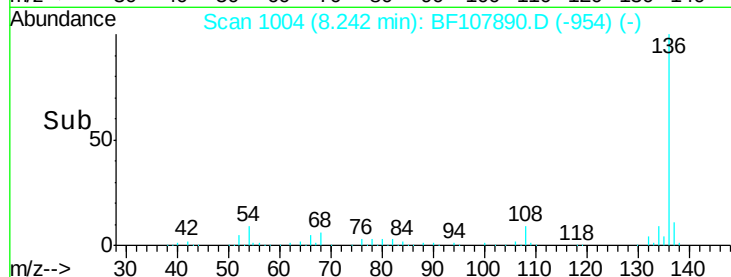
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Instrument :
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SB-2

Tgt Ion:	136	Resp:	467827
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	6.6	9.8
68	6.0	5.0	7.4

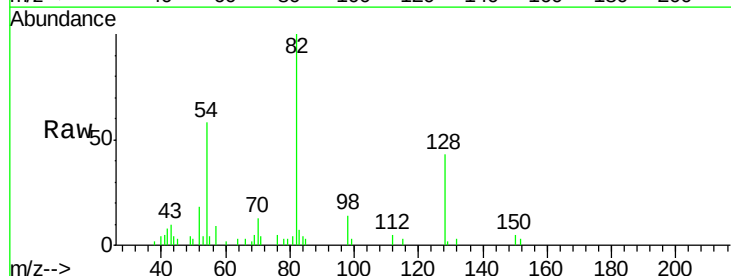


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

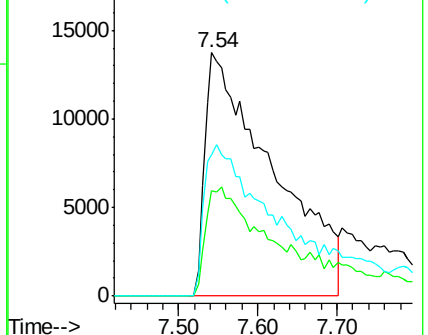
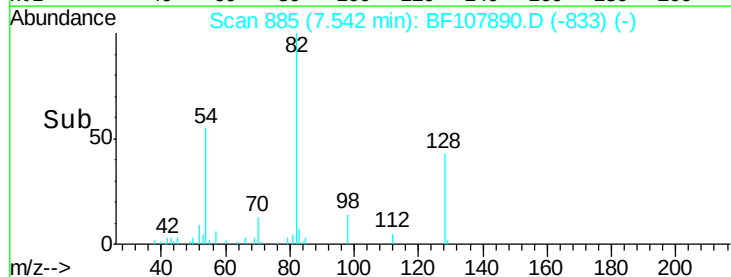


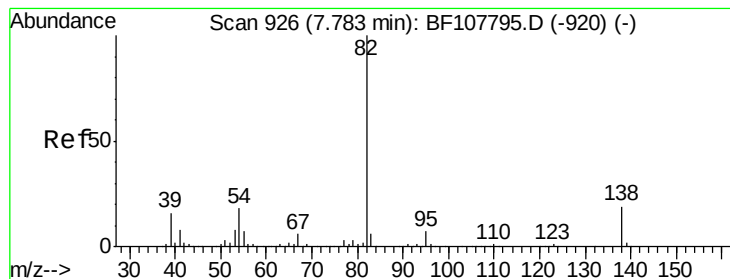
#23
Nitrobenzene-d5
Concen: 10.029 ng
RT: 7.54 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion:	82	Resp:	81438
Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	58.1	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: 6.109 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.24 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

ClientSampleId :

SB-2

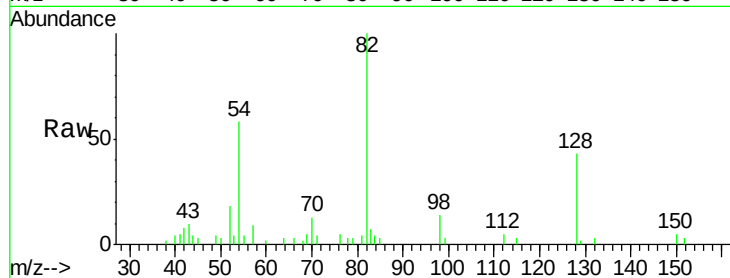
Tgt Ion: 82 Resp: 81438

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

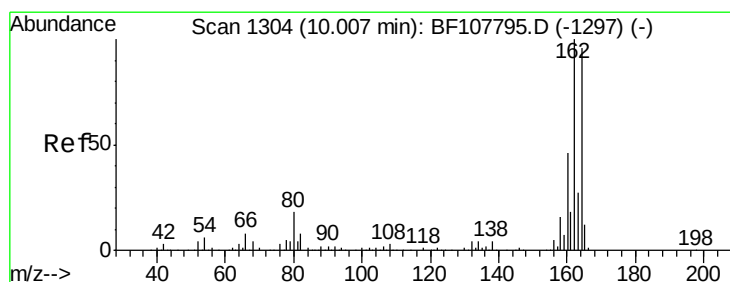
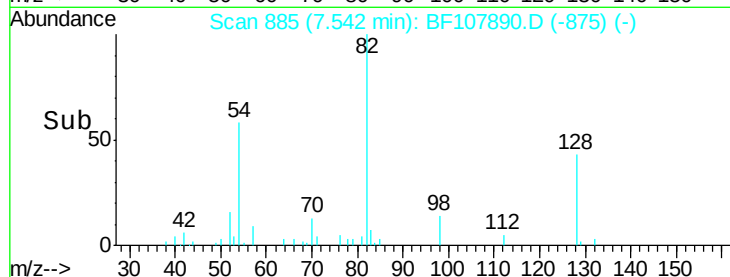
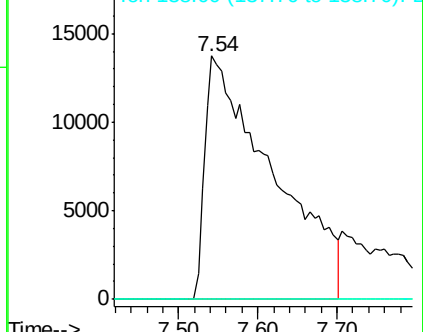
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

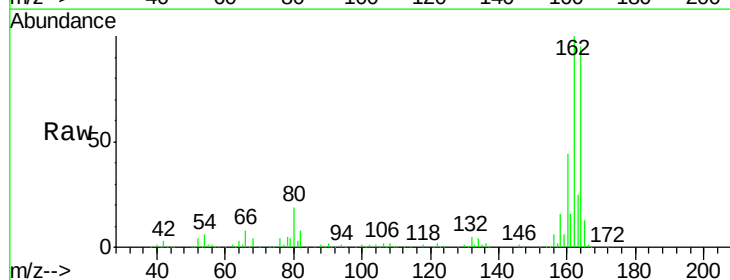
Tgt Ion: 164 Resp: 200218

Ion Ratio Lower Upper

164 100

162 105.4 86.1 129.1

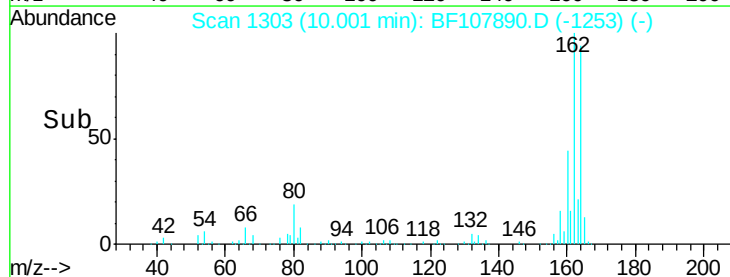
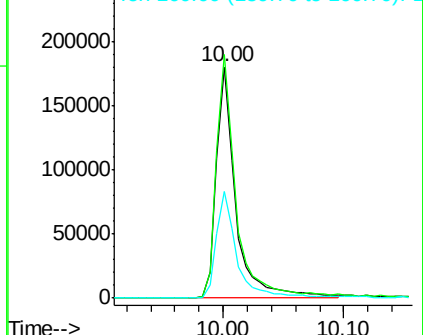
160 46.3 38.3 57.5

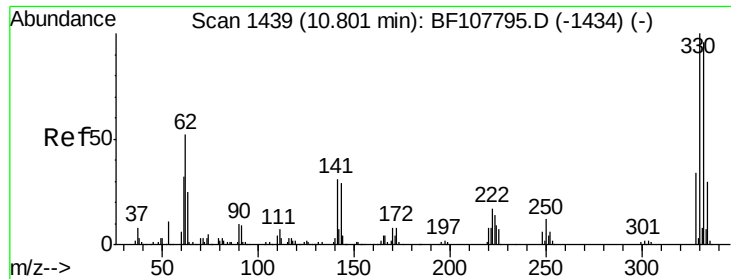


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

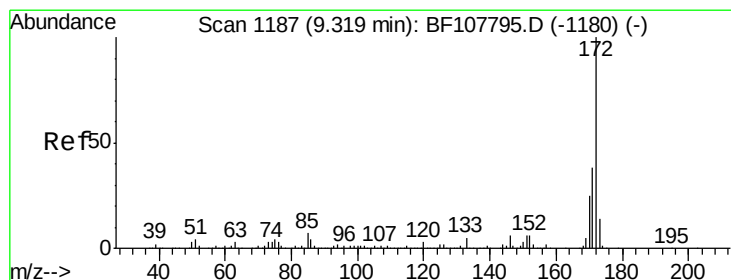
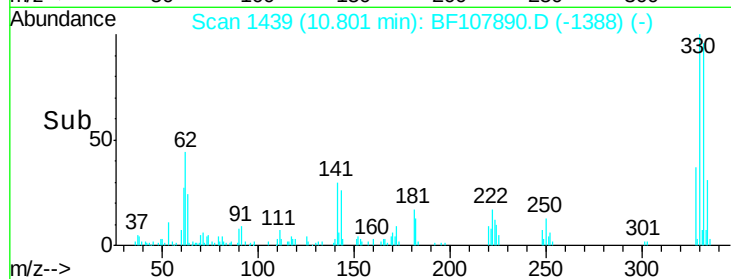
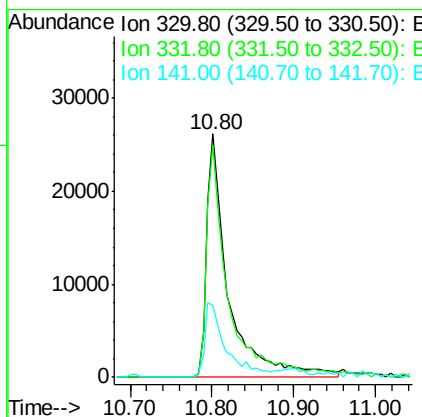
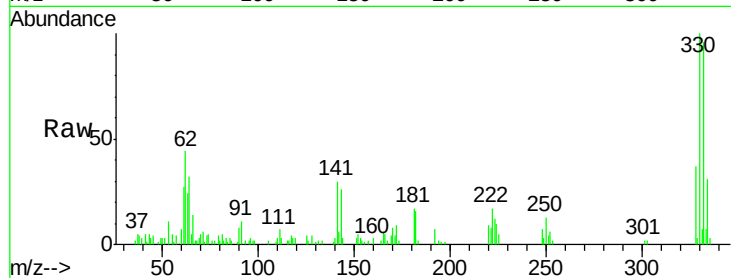




#41
 2,4,6-Tribromophenol
 Concen: 17.697 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

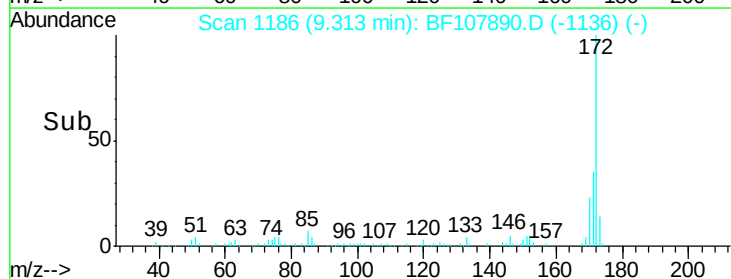
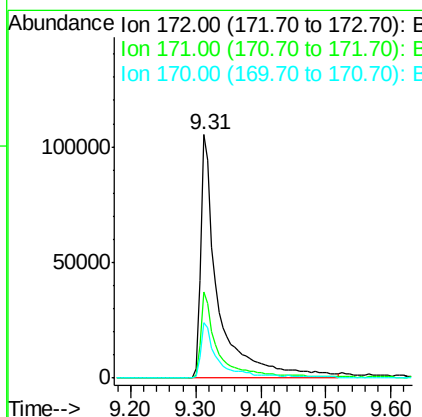
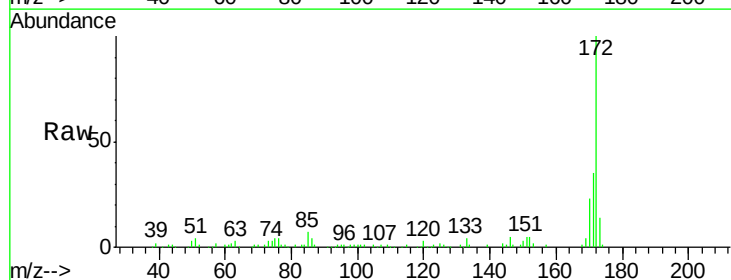
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 SB-2

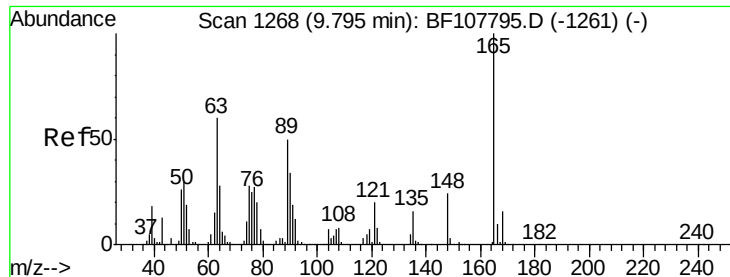
Tgt Ion:330 Resp: 48147
 Ion Ratio Lower Upper
 330 100
 332 92.5 77.0 115.6
 141 30.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 13.882 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Tgt Ion:172 Resp: 199461
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.0 19.6 29.4

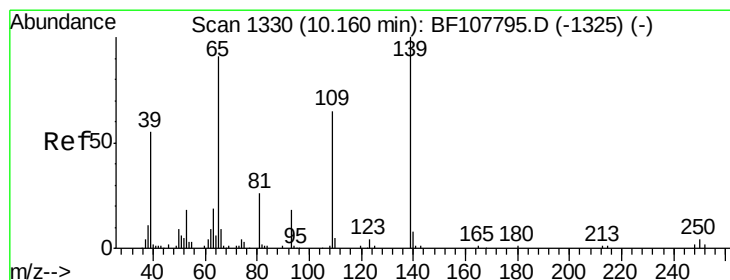
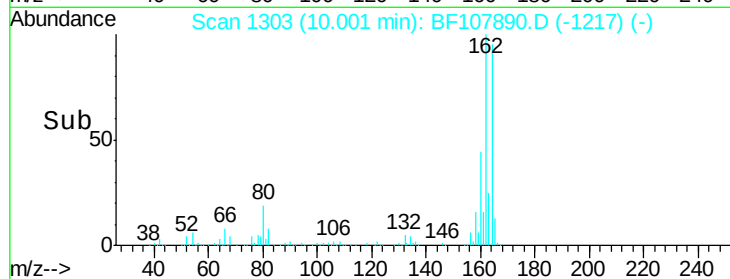
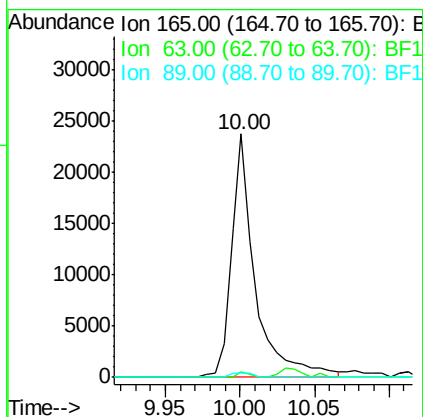
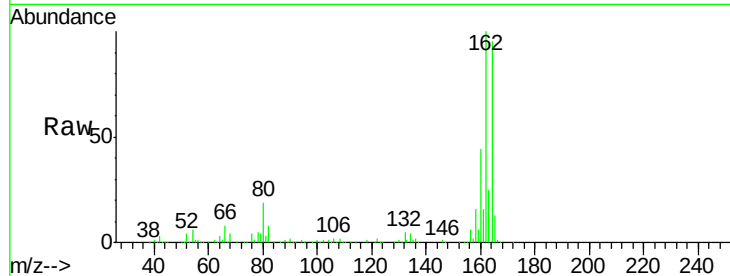




#50
 2,6-Dinitrotoluene
 Concen: 8.092 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. 0.21 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

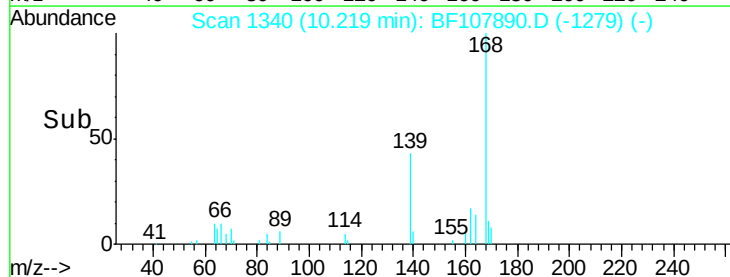
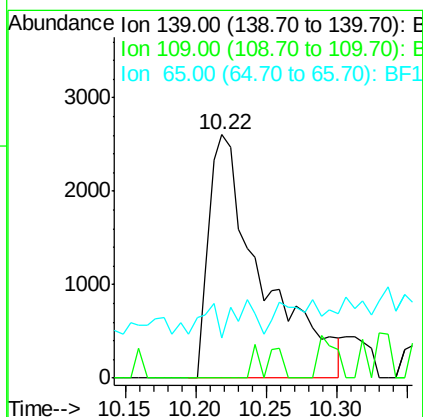
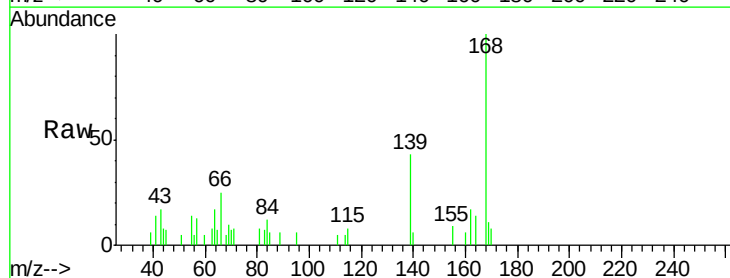
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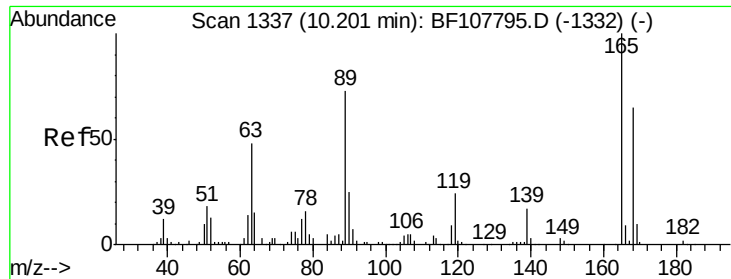
Tgt Ion:165 Resp: 26441
 Ion Ratio Lower Upper
 165 100
 63 2.3 44.7 67.1#
 89 1.7 44.0 66.0#



#55
 4-Nitrophenol
 Concen: 12.438 ng
 RT: 10.22 min Scan# 1340
 Delta R.T. 0.06 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Tgt Ion:139 Resp: 6855
 Ion Ratio Lower Upper
 139 100
 109 0.0 48.4 88.4#
 65 16.4 72.6 112.6#

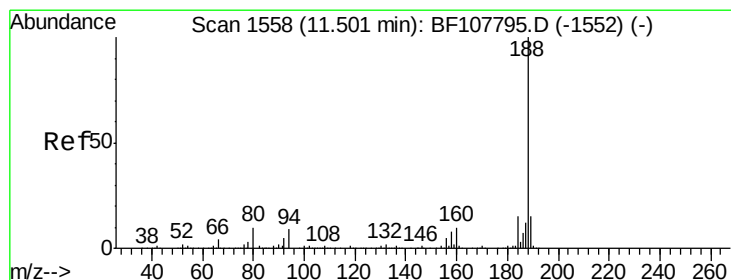
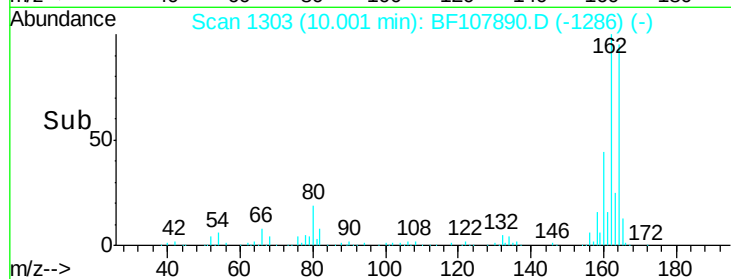
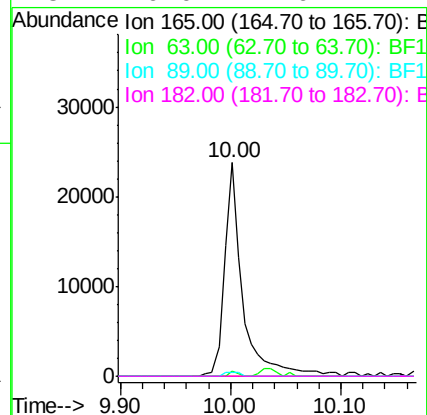
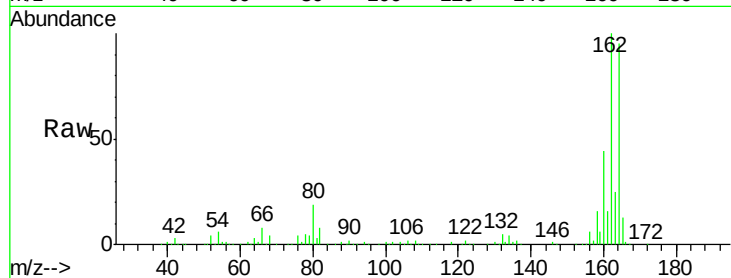




#56
 2,4-Dinitrotoluene
 Concen: 6.354 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.20 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

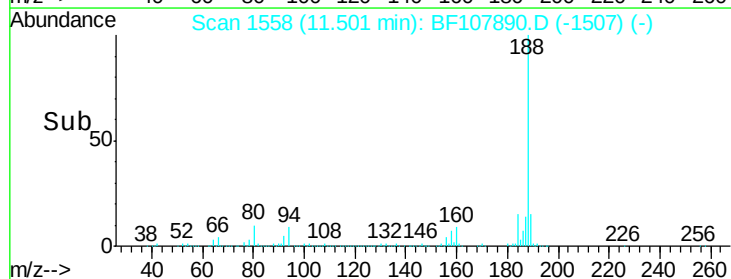
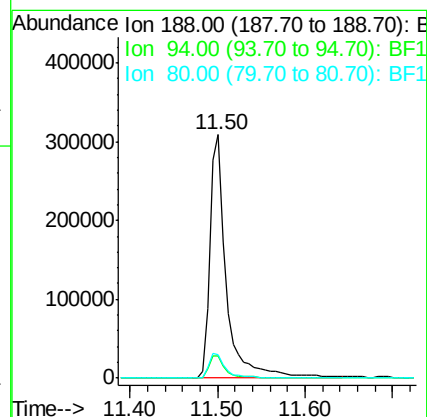
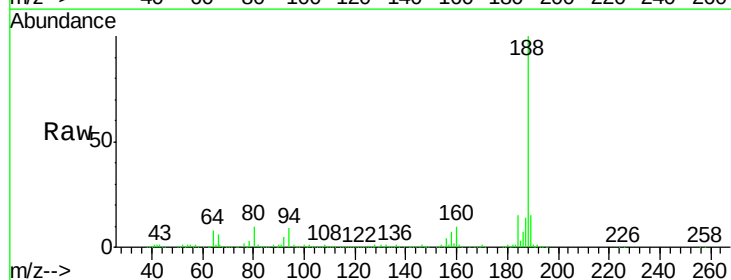
Instrument :
 BNA_F
 ClientSampleId :
 SB-2

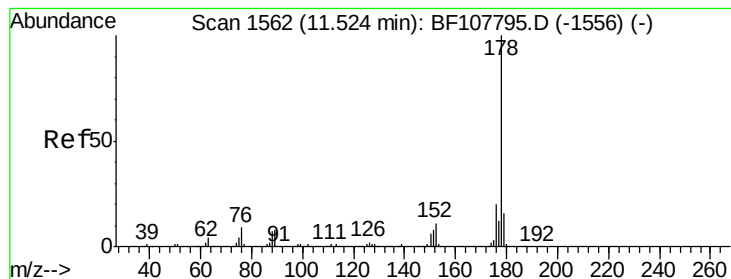
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.6	9.2	13.8





#70

Phenanthrene

Concen: 16.224 ng

RT: 11.52 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

ClientSampleId :

SB-2

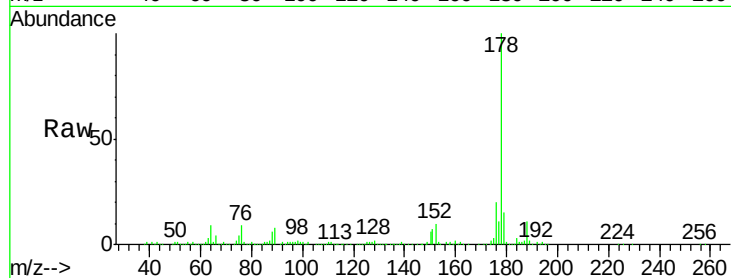
Tgt Ion:178 Resp: 311981

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

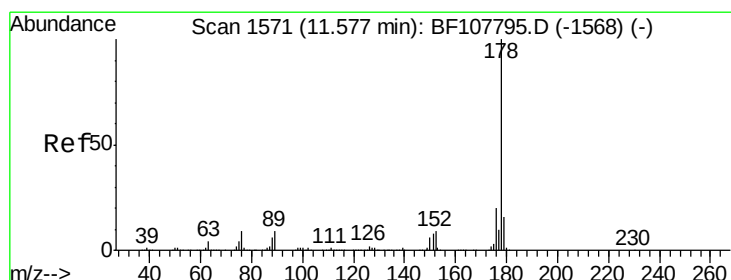
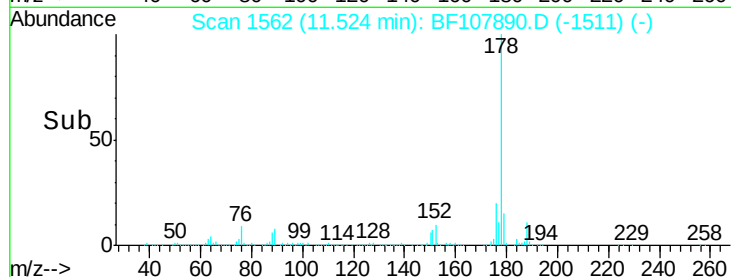
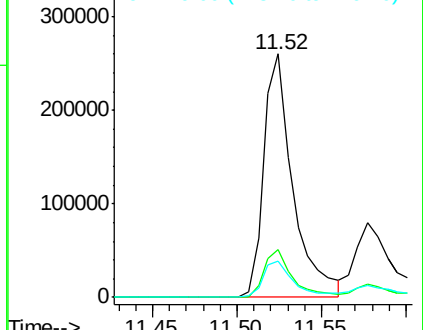
179 14.9 13.0 19.6



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: 6.156 ng

RT: 11.58 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

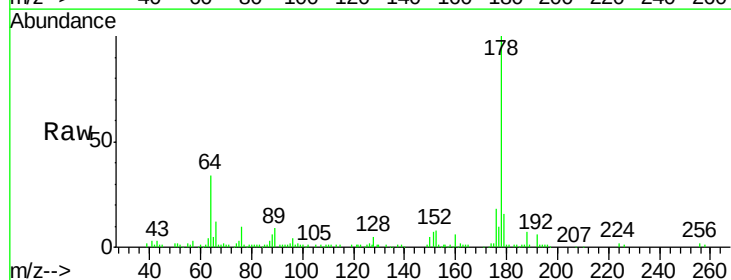
Tgt Ion:178 Resp: 136538

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

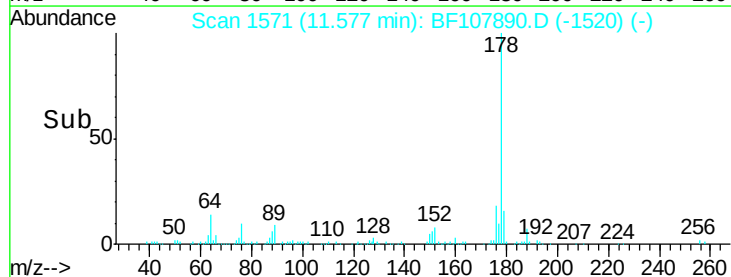
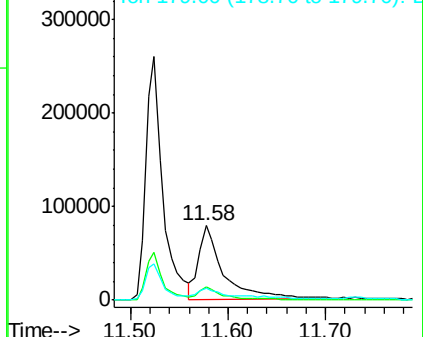
179 15.9 12.6 19.0

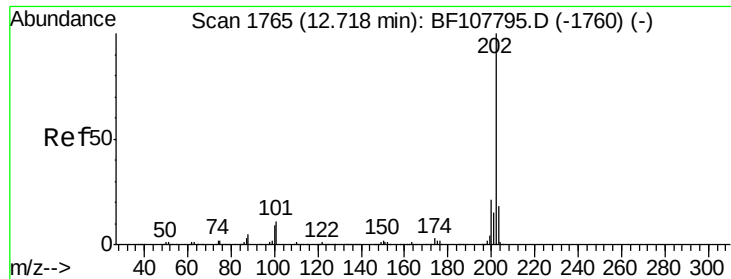


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

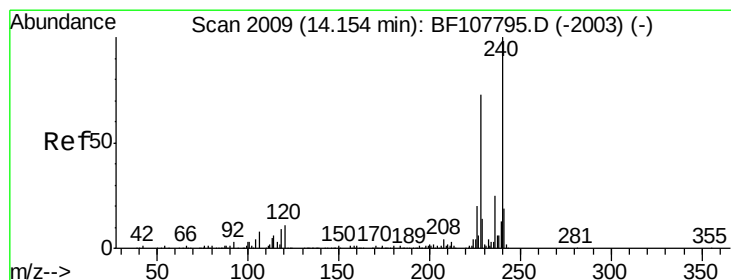
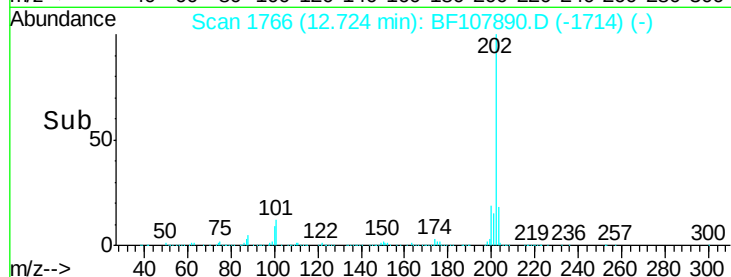
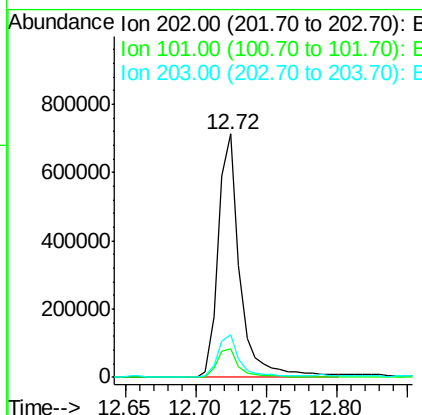
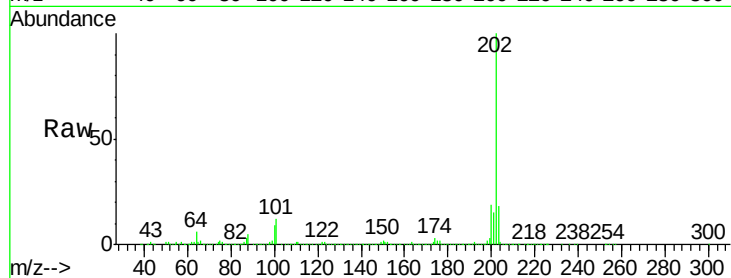




#74
 Fluoranthene
 Concen: 33.742 ng
 RT: 12.72 min Scan# 1766
 Delta R.T. 0.01 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

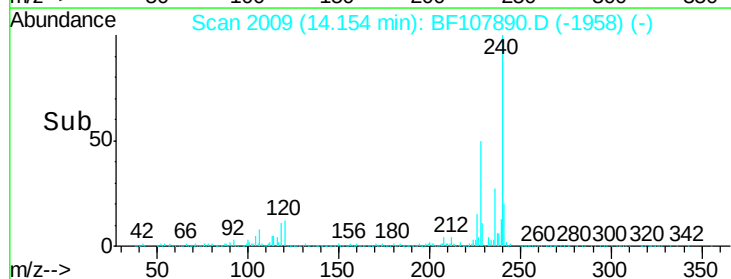
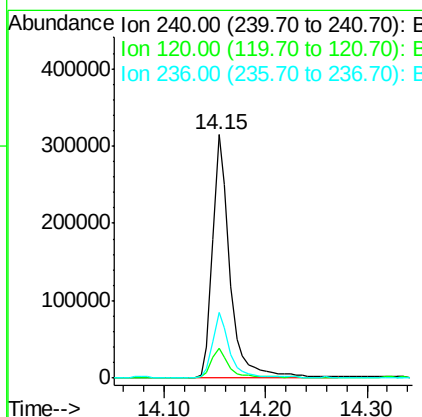
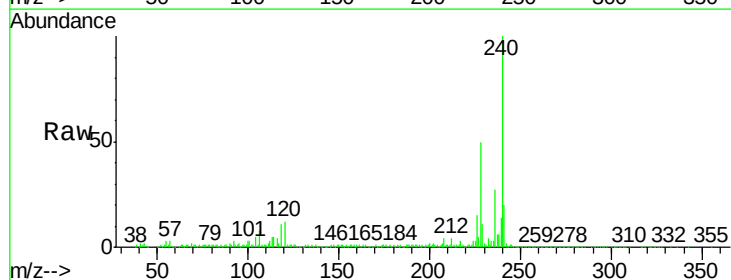
Instrument :
 BNA_F
 ClientSampleId :
 SB-2

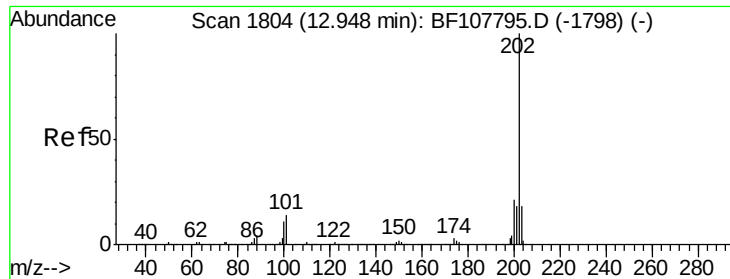
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.6	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.5	14.3
236	27.1	20.7	31.1

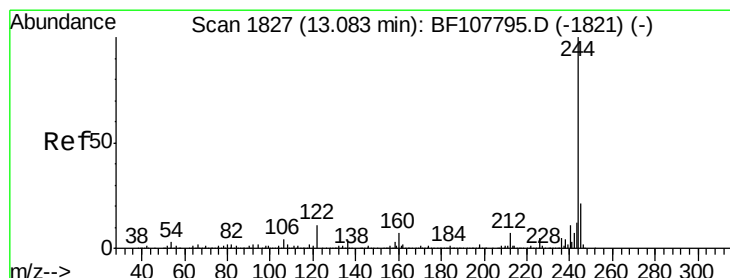
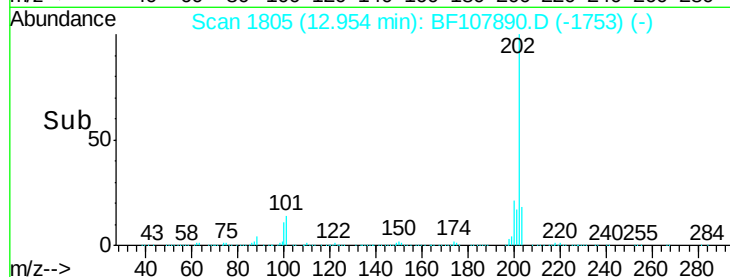
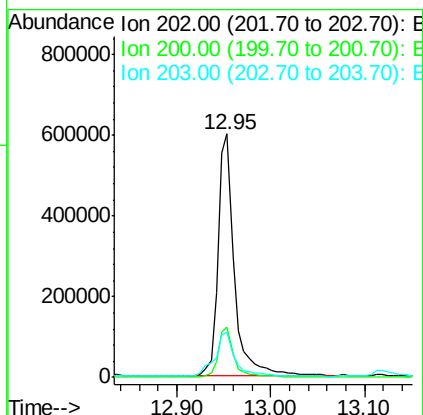
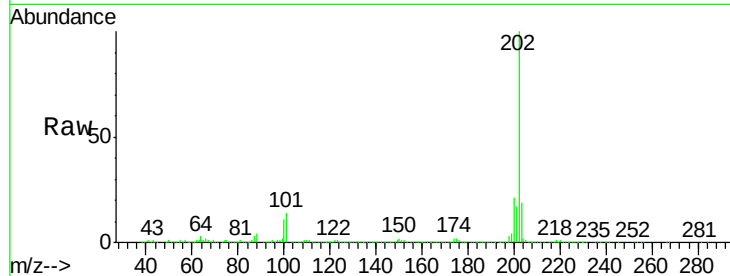




#77
 Pyrene
 Concen: 27.139 ng
 RT: 12.95 min Scan# 1805
 Delta R.T. 0.01 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

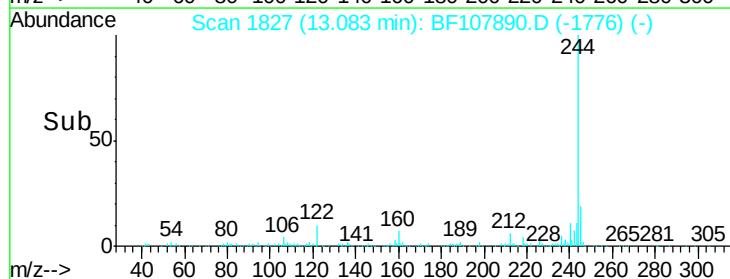
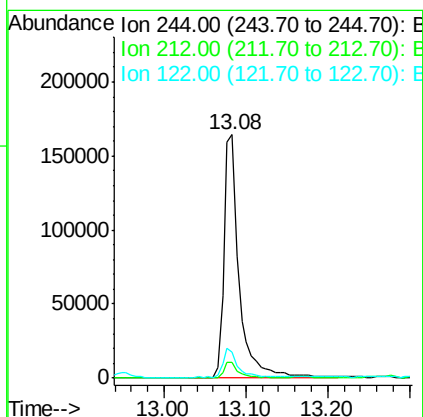
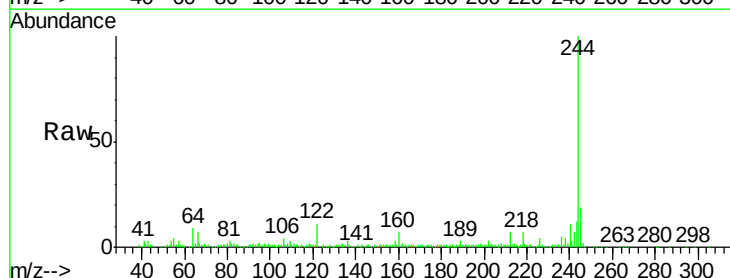
Instrument :
 BNA_F
 ClientSampleId :
 SB-2

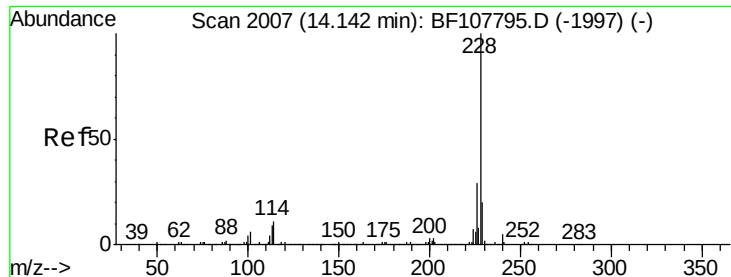
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	18.7	14.3	21.5



#78
 Terphenyl-d14
 Concen: 12.338 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF107890.D
 Acq: 1 Aug 2018 15:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.8	11.0	16.4#





#80

Benzo(a)anthracene

Concen: 20.538 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

ClientSampleId :

SB-2

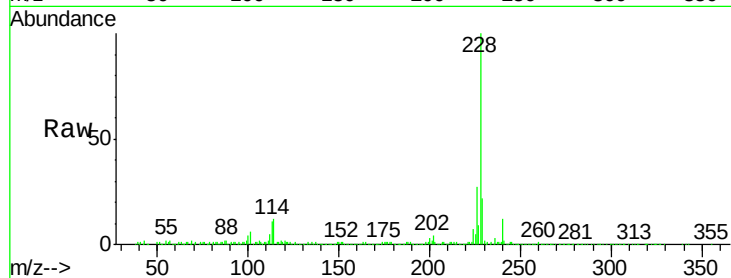
Tgt Ion:228 Resp: 437938

Ion Ratio Lower Upper

228 100

226 27.5 22.6 33.8

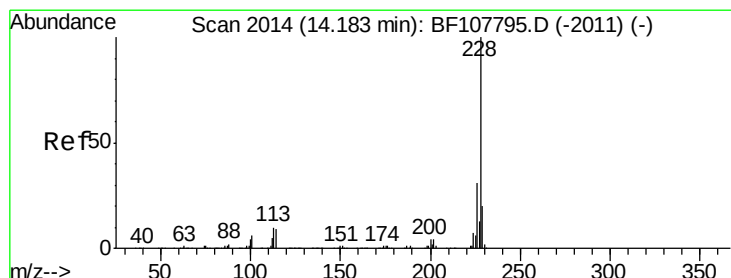
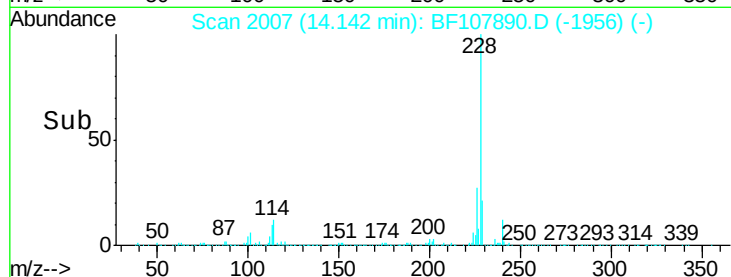
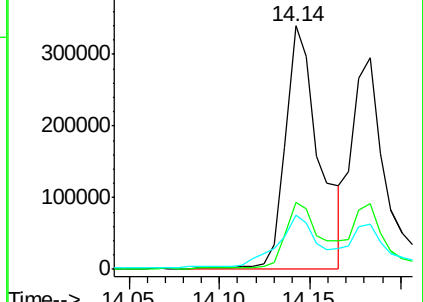
229 22.3 15.8 23.6



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: 16.854 ng

RT: 14.18 min Scan# 2014

Delta R.T. 0.00 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

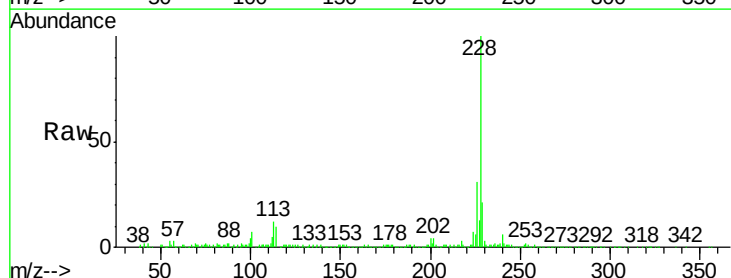
Tgt Ion:228 Resp: 387620

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

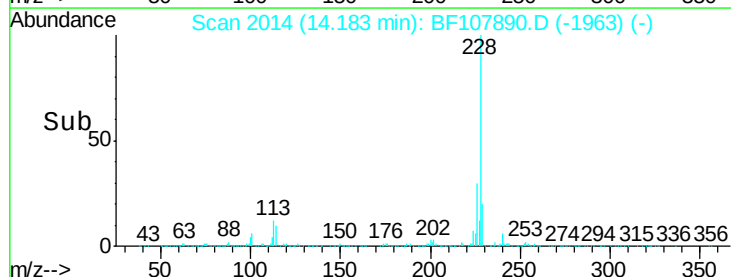
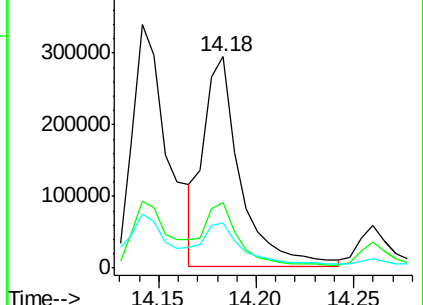
229 21.1 16.2 24.4

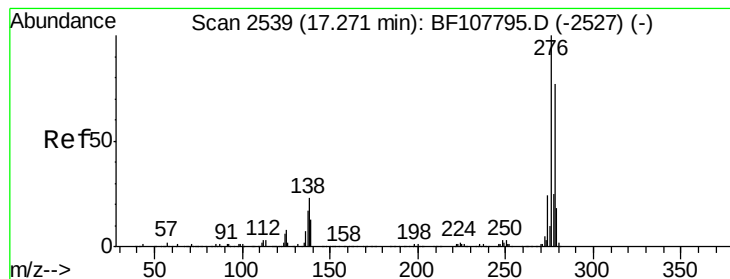


Abundance Ion 228.00 (227.70 to 228.70): E

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: 14.860 ng

RT: 17.28 min Scan# 2540

Delta R.T. 0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

ClientSampleId :

SB-2

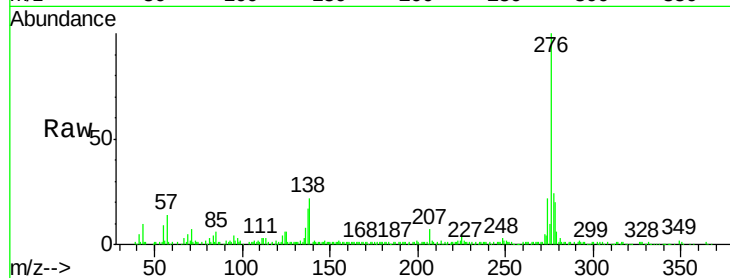
Tgt Ion:276 Resp: 259960

Ion Ratio Lower Upper

276 100

138 22.1 25.0 37.6#

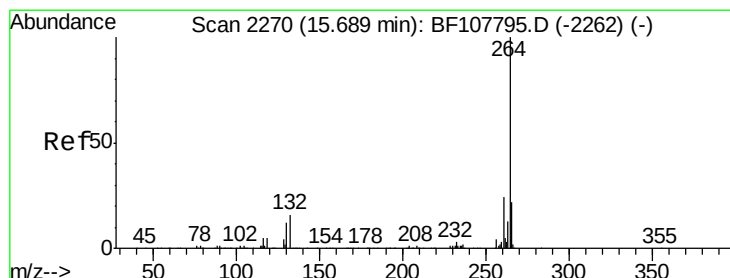
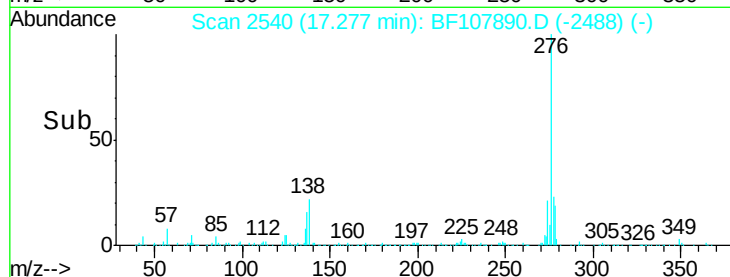
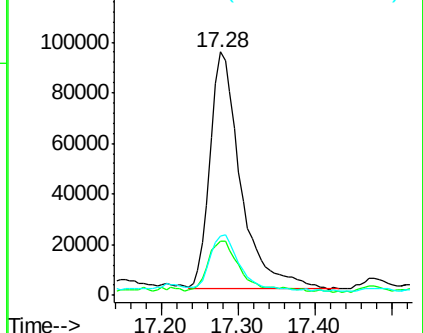
277 21.7 20.1 30.1



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: 15.69 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

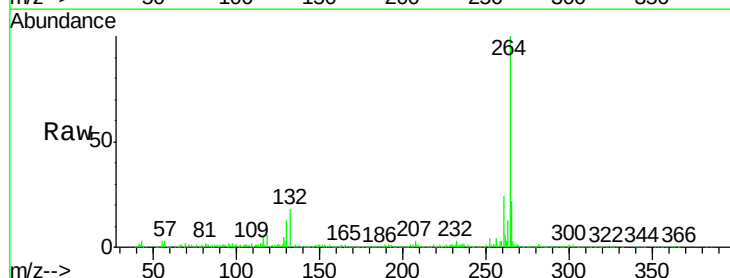
Tgt Ion:264 Resp: 422898

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

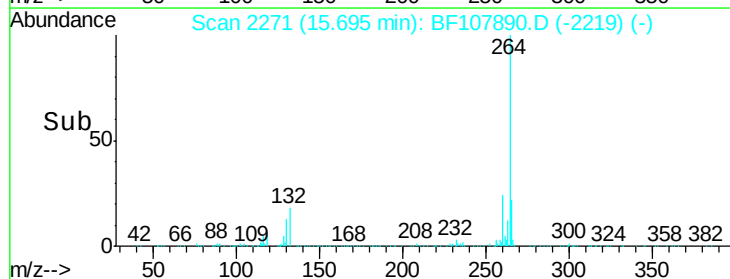
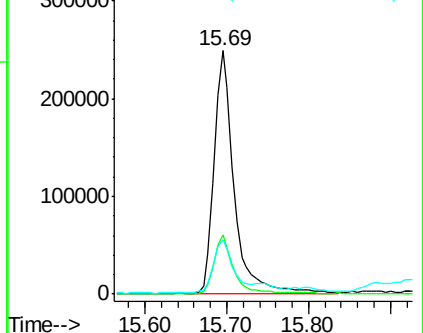
265 22.2 17.5 26.3

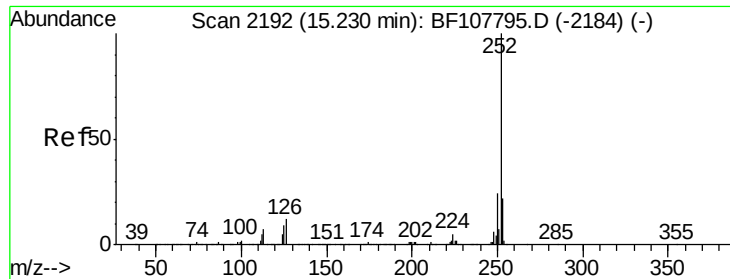


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

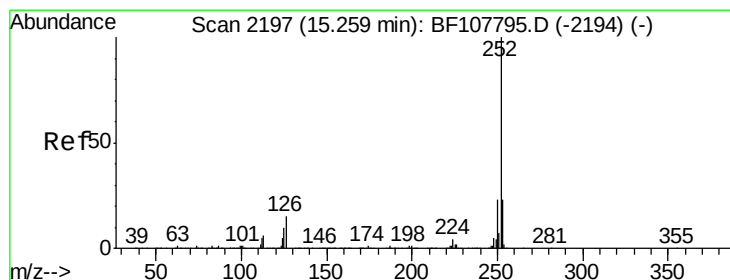
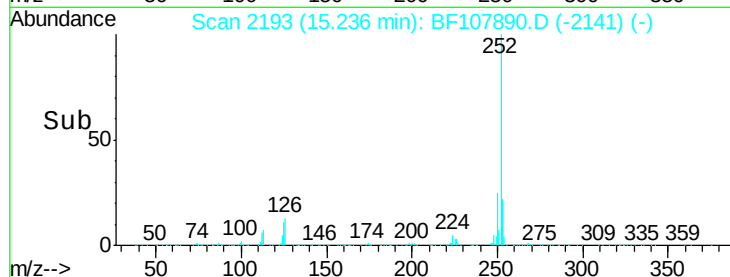
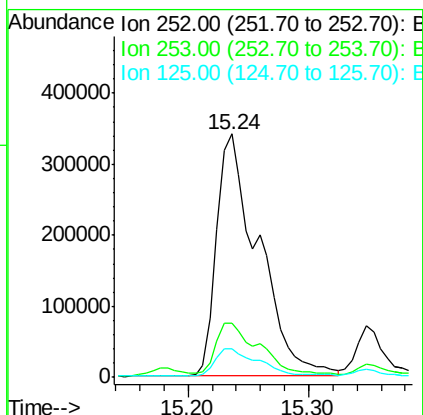
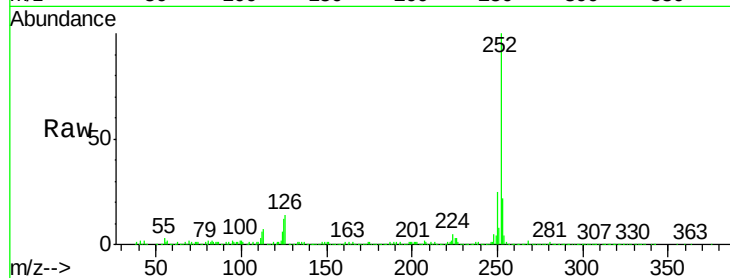




#87
Benzo(b)fluoranthene
Concen: 39.374 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

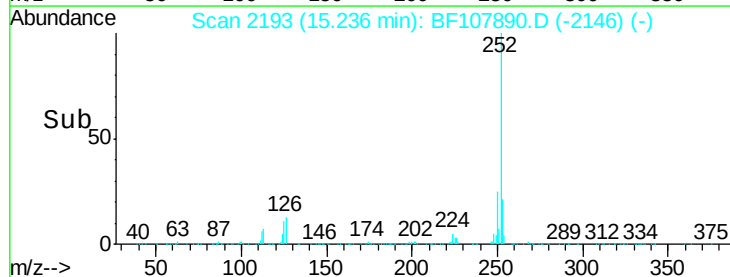
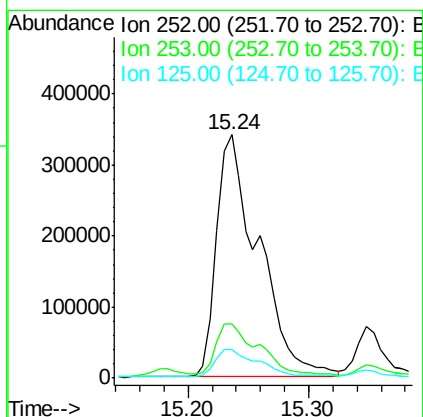
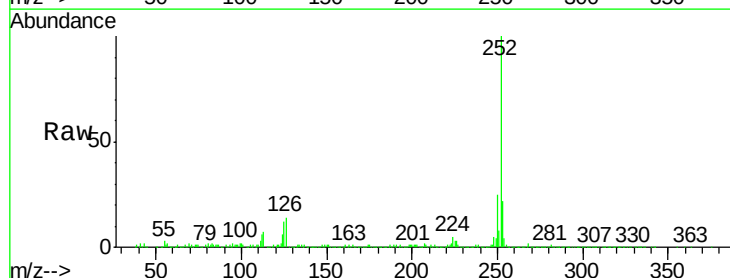
Instrument :
BNA_F
ClientSampleId :
SB-2

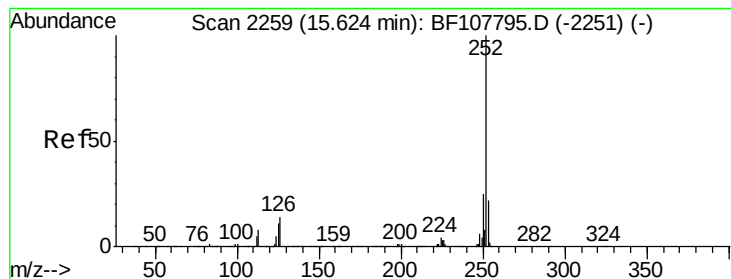
Tgt Ion:252 Resp: 821242
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.6
125 11.7 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 32.070 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107890.D
Acq: 1 Aug 2018 15:47

Tgt Ion:252 Resp: 821242
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 11.7 10.2 15.2





#89

Benzo(a)pyrene

Concen: 22.115 ng

RT: 15.63 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

Instrument :

BNA_F

ClientSampleId :

SB-2

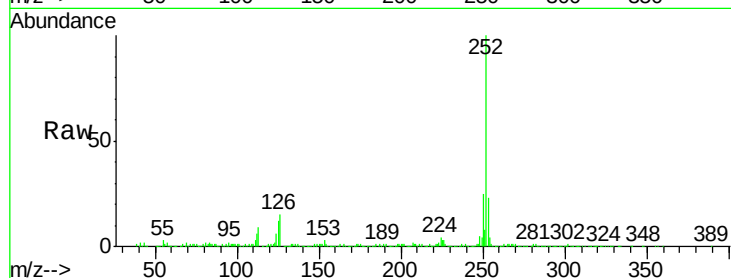
Tgt Ion:252 Resp: 476171

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

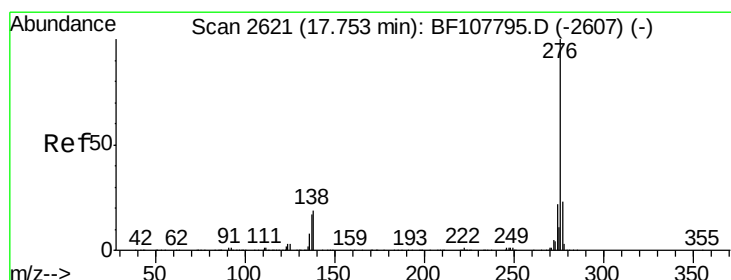
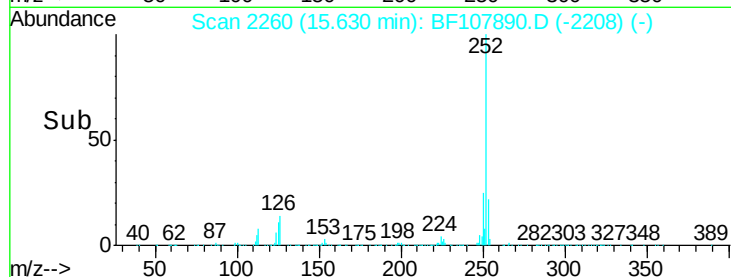
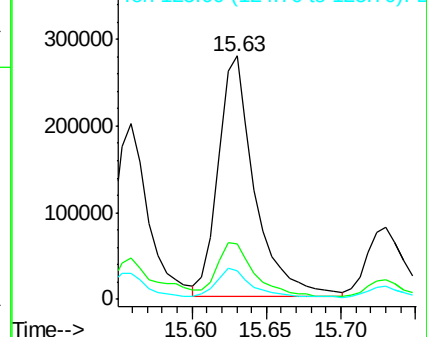
125 11.8 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 13.072 ng

RT: 17.76 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BF107890.D

Acq: 1 Aug 2018 15:47

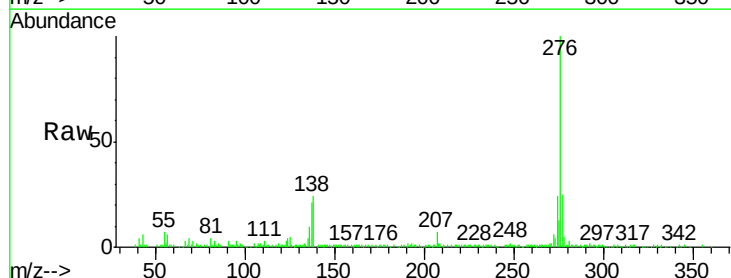
Tgt Ion:276 Resp: 237565

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 24.3 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

