

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112818\
 Data File : BF111062.D
 Acq On : 28 Nov 2018 22:57
 Operator : JU/SJ
 Sample : J6051-01DL 100X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01DL

Quant Time: Nov 29 01:30:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF112618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 27 15:32:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	52359	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	227811	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	87426	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	134644	20.00	ng	0.00
76) Chrysene-d12	14.13	240	124667	20.00	ng	0.00
87) Perylene-d12	15.66	264	93487	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.73	112	117	0.04	ng	0.18
7) Phenol-d6	6.72	99	559	0.14	ng	0.15
23) Nitrobenzene-d5	7.60	82	697	0.18	ng	0.09
42) 2,4,6-Tribromophenol	10.80	330	134	0.15	ng	0.02
45) 2-Fluorobiphenyl	9.31	172	4384	0.73	ng	0.02
79) Terphenyl-d14	13.05	244	3899	0.61	ng	0.00

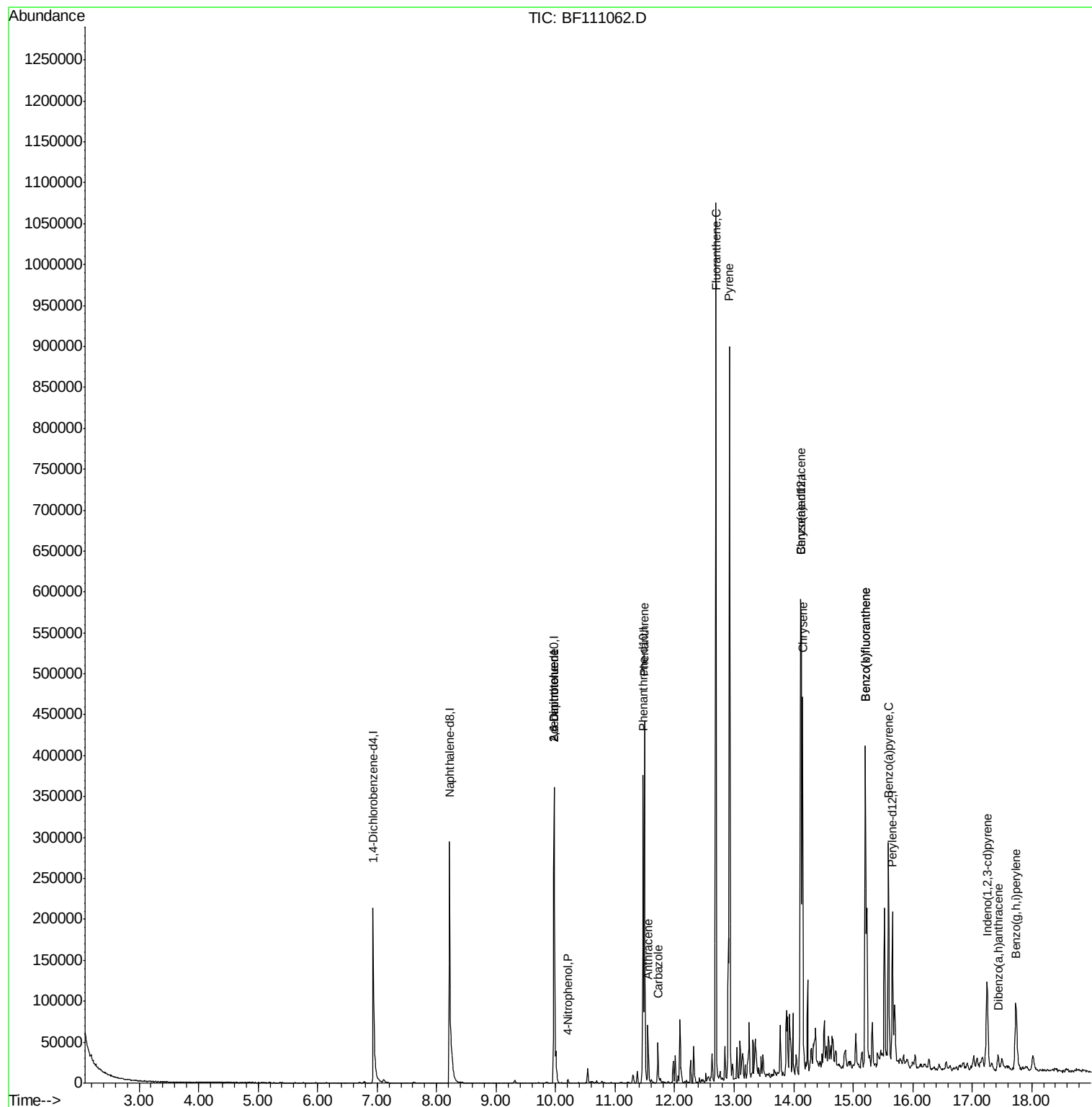
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
51) 2,6-Dinitrotoluene	9.97	165	10997	7.704	ng	# 21
56) 4-Nitrophenol	10.20	139	1353	5.623	ng	# 6
57) 2,4-Dinitrotoluene	9.97	165	10997	5.938	ng	# 17
71) Phenanthrene	11.49	178	190877	26.767	ng	98
72) Anthracene	11.56	178	36961	5.089	ng	95
73) Carbazole	11.72	167	24370	3.457	ng	98
75) Fluoranthene	12.69	202	435873	59.470	ng	98
78) Pyrene	12.92	202	375875	41.281	ng	98
81) Benzo(a)anthracene	14.12	228	187718	25.505	ng	98
83) Chrysene	14.15	228	167543	23.124	ng	98
86) Indeno(1,2,3-cd)pyrene	17.25	276	87793	16.881	ng	98
88) Benzo(b)fluoranthene	15.20	252	284222	51.752	ng	99
89) Benzo(k)fluoranthene	15.20	252	284222	50.279	ng	# 98
90) Benzo(a)pyrene	15.59	252	137747	26.945	ng	98
91) Dibenzo(a,h)anthracene	17.43	278	13962	3.310	ng	95
92) Benzo(g,h,i)perylene	17.73	276	78655	19.340	ng	95

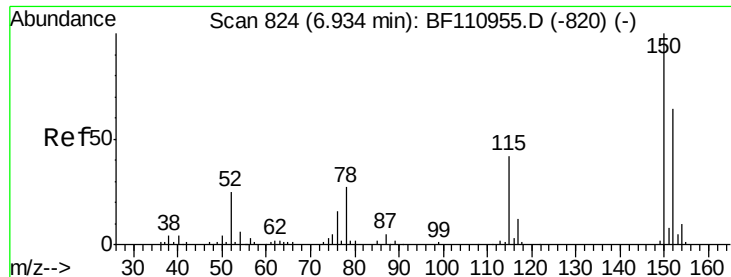
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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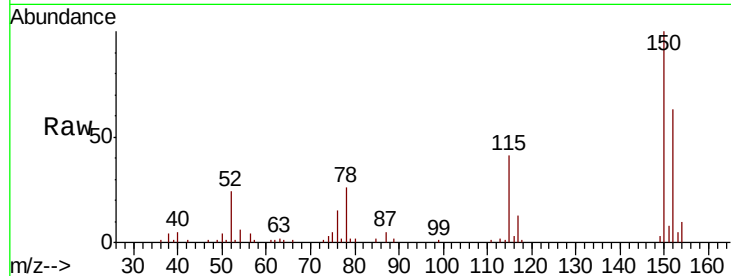


#1

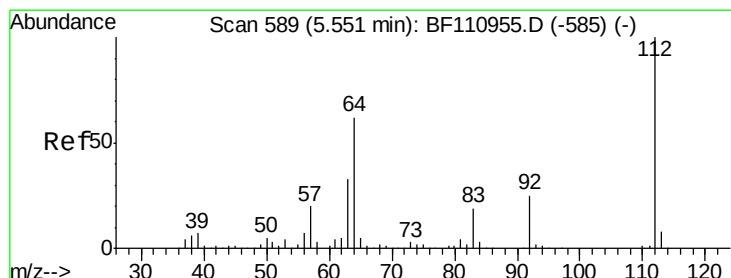
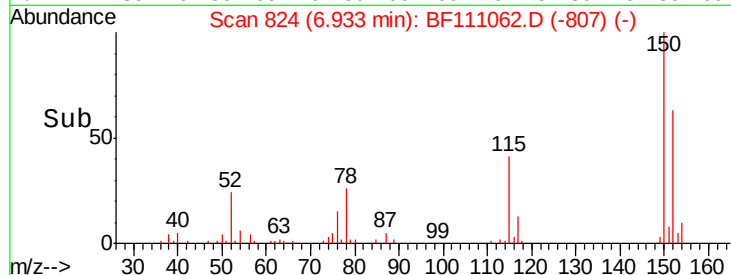
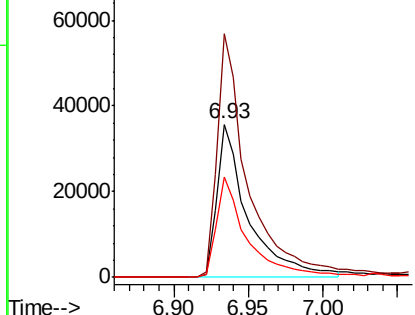
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.93 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: BF111062.D
 Acq: 28 Nov 2018 22:57

Instrument :
 BNA_F
 ClientSampleId :
 SS-01DL

Tgt Ion:152 Resp: 52359
 Ion Ratio Lower Upper
 152 100
 150 159.1 122.7 184.1
 115 65.1 49.1 73.7



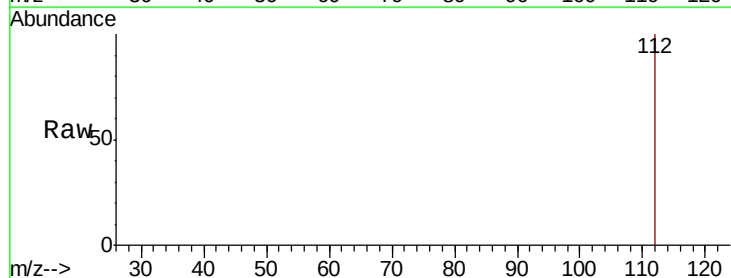
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



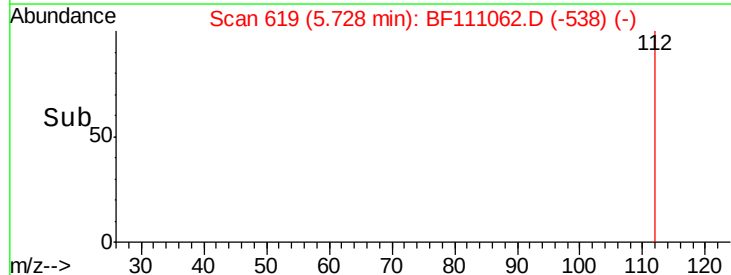
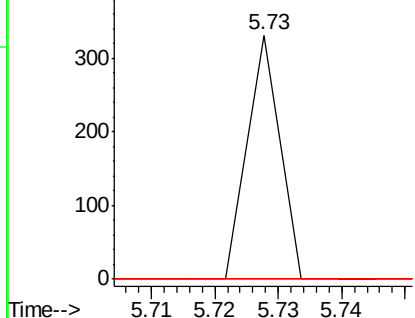
#5

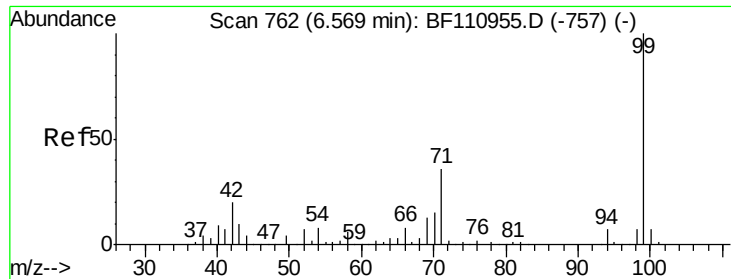
2-Fluorophenol
 Concen: 0.037 ng
 RT: 5.73 min Scan# 619
 Delta R.T. 0.18 min
 Lab File: BF111062.D
 Acq: 28 Nov 2018 22:57

Tgt Ion:112 Resp: 117
 Ion Ratio Lower Upper
 112 100
 64 0.0 44.1 66.1#
 63 0.0 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: 0.136 ng

RT: 6.72 min Scan# 787

Delta R.T. 0.15 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Instrument :

BNA_F

ClientSampleId :

SS-01DL

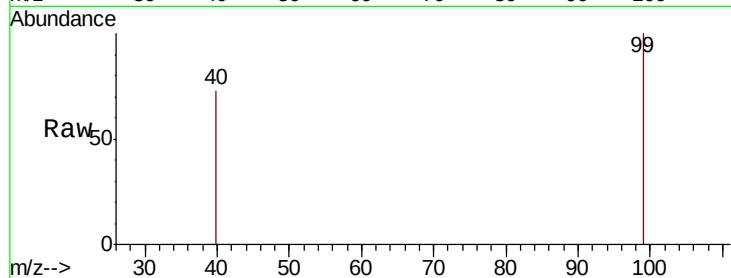
Tgt Ion: 99 Resp: 559

Ion Ratio Lower Upper

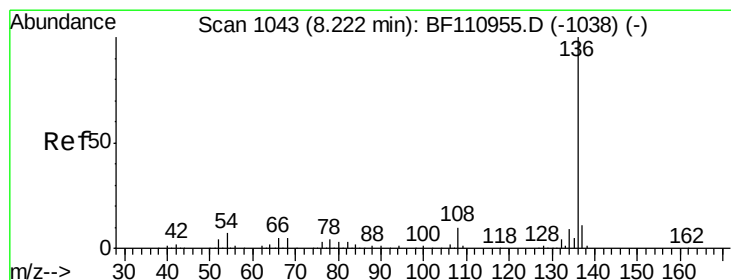
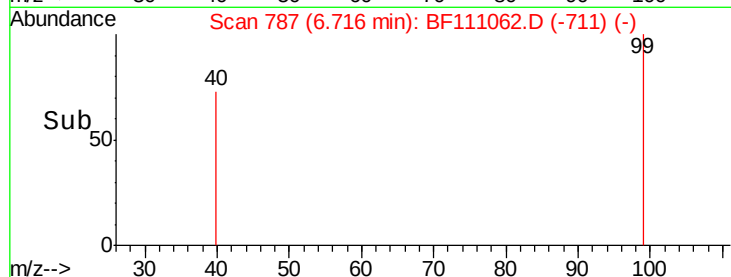
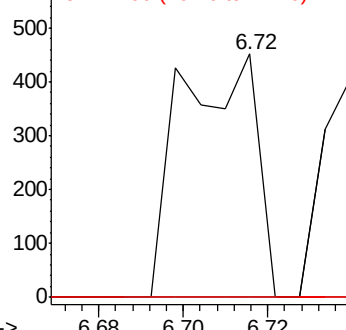
99 100

42 0.0 15.8 23.6#

71 0.0 28.0 42.0#



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: 8.22 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Tgt Ion: 136 Resp: 227811

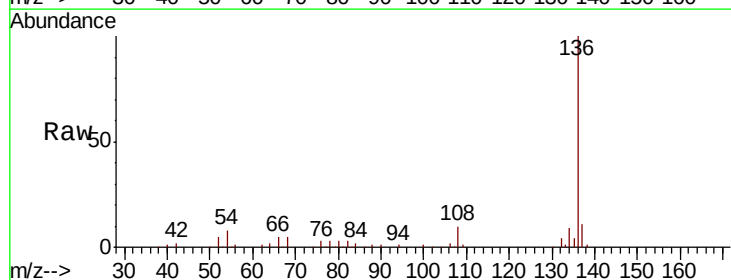
Ion Ratio Lower Upper

136 100

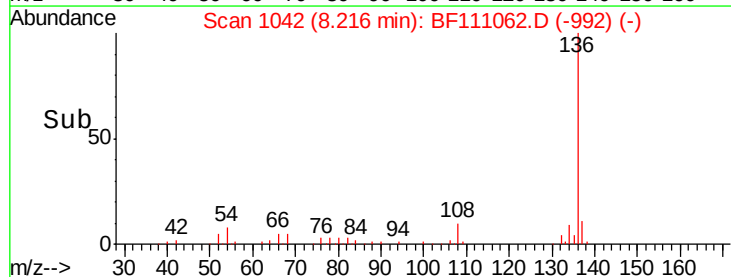
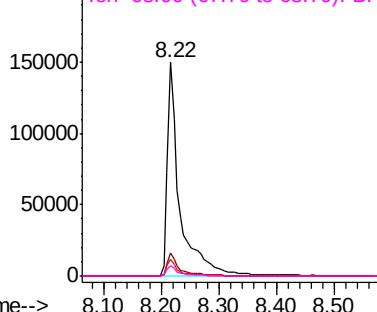
137 11.1 8.8 13.2

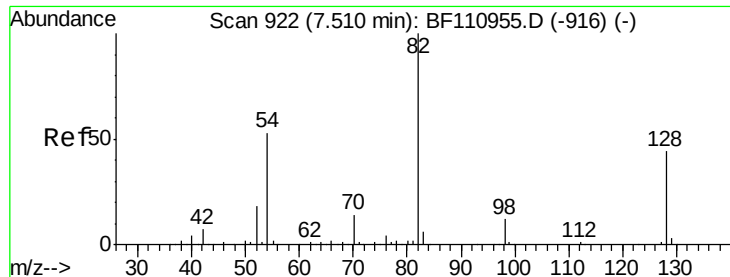
54 7.8 5.4 8.2

68 4.9 4.2 6.2



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

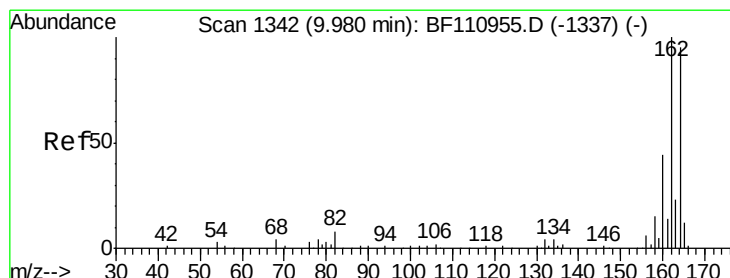
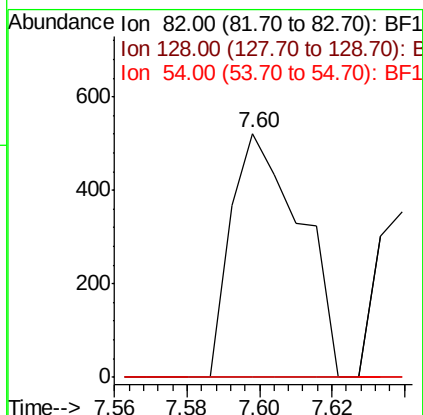
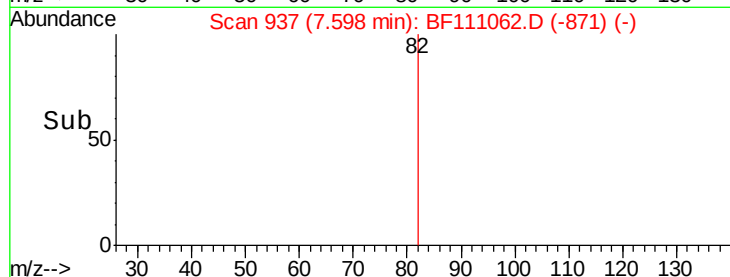
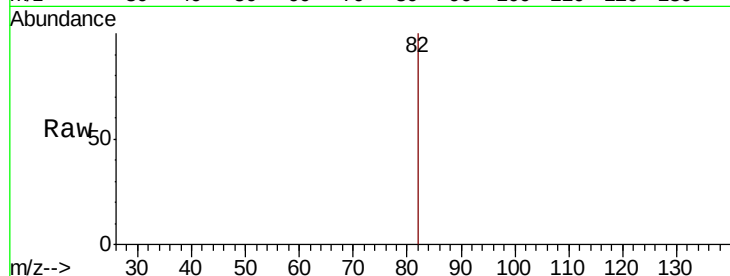




#23
Nitrobenzene-d5
Concen: 0.175 ng
RT: 7.60 min Scan# 937
Delta R.T. 0.09 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

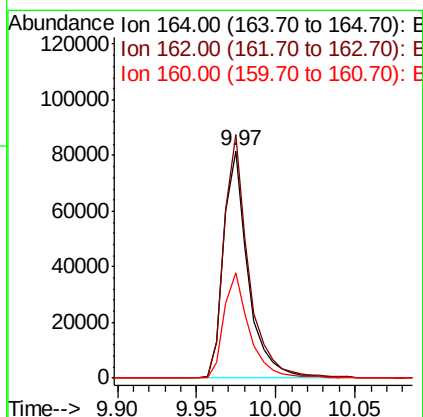
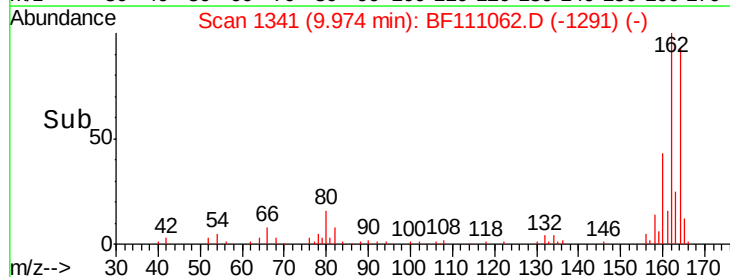
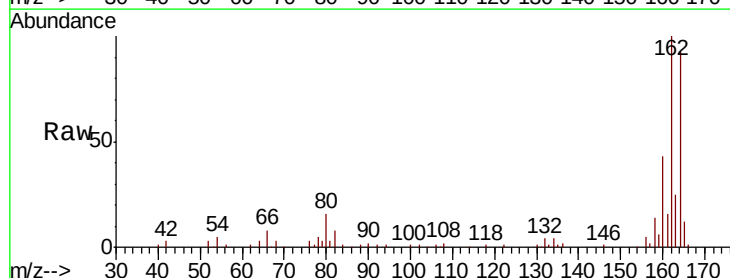
Instrument :
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ClientSampleId :
SS-01DL

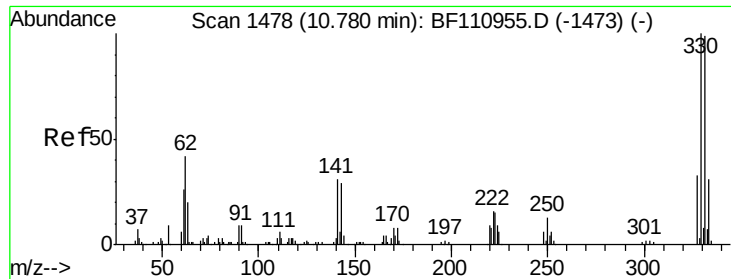
Tgt Ion: 82 Resp: 697
Ion Ratio Lower Upper
82 100
128 0.0 34.2 51.2#
54 0.0 38.6 58.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

Tgt Ion: 164 Resp: 87426
Ion Ratio Lower Upper
164 100
162 107.0 83.0 124.6
160 46.3 37.0 55.6

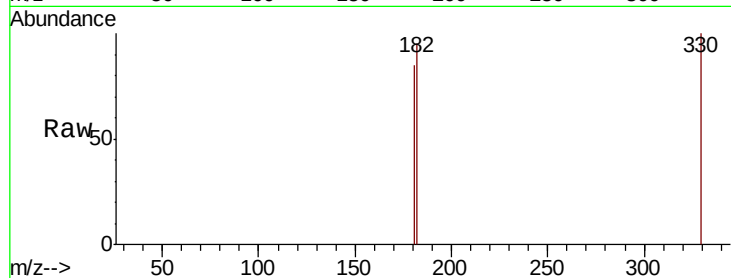




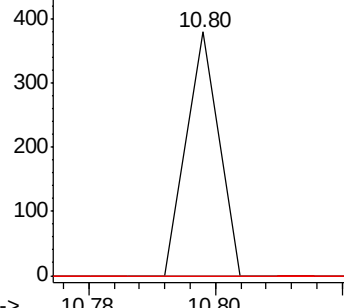
#42
 2,4,6-Tribromophenol
 Concen: 0.154 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. 0.02 min
 Lab File: BF111062.D
 Acq: 28 Nov 2018 22:57

Instrument :
 BNA_F
 ClientSampled :
 SS-01DL

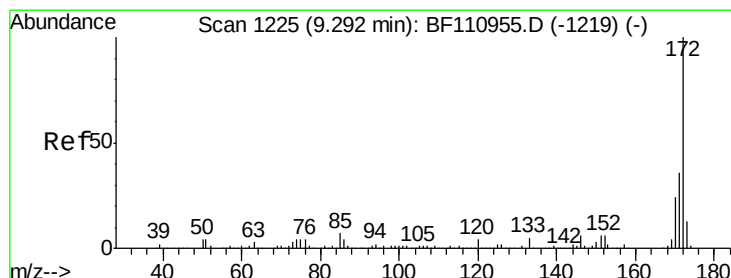
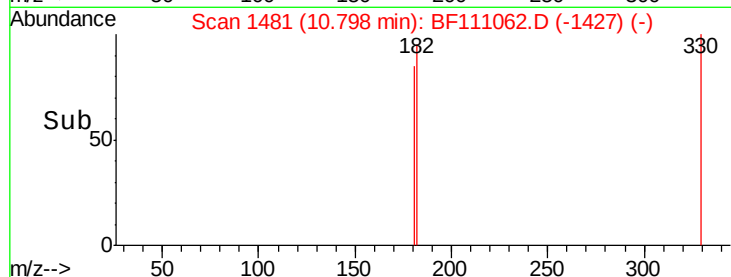
Tgt Ion: 330 Resp: 134
 Ion Ratio Lower Upper
 330 100
 332 0.0 77.1 115.7#
 141 0.0 27.0 40.4#



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

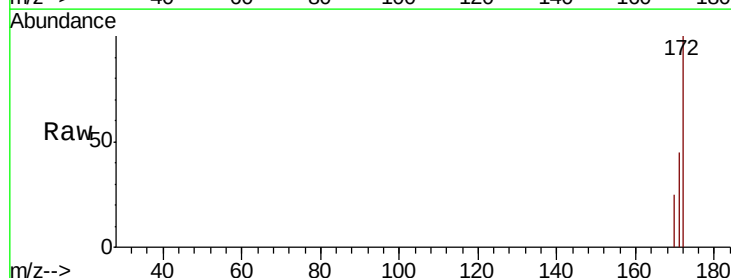


Time-->

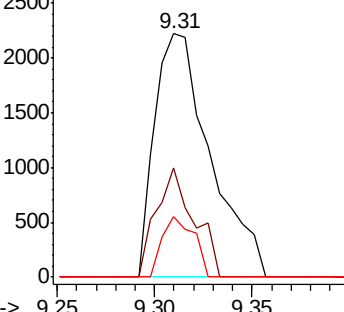


#45
 2-Fluorobiphenyl
 Concen: 0.726 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: BF111062.D
 Acq: 28 Nov 2018 22:57

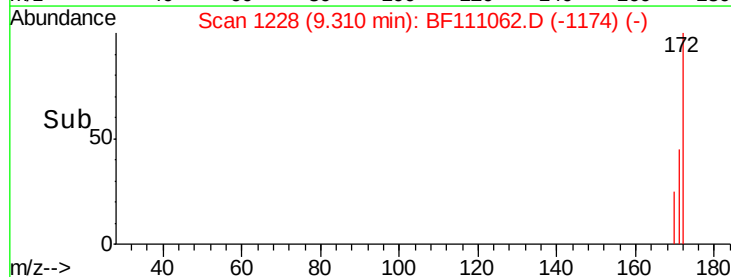
Tgt Ion: 172 Resp: 4384
 Ion Ratio Lower Upper
 172 100
 171 44.6 28.6 43.0#
 170 24.9 19.7 29.5

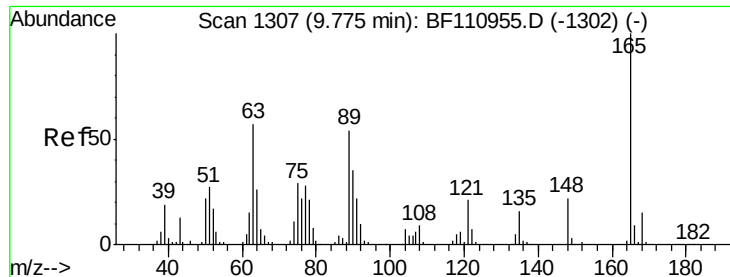


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->





#51

2,6-Dinitrotoluene

Concen: 7.704 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.20 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Instrument :

BNA_F

ClientSampleId :

SS-01DL

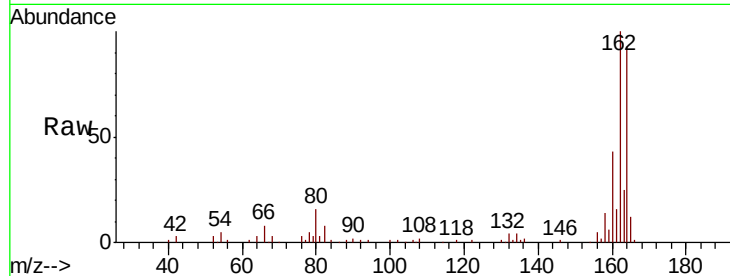
Tgt Ion:165 Resp: 10997

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

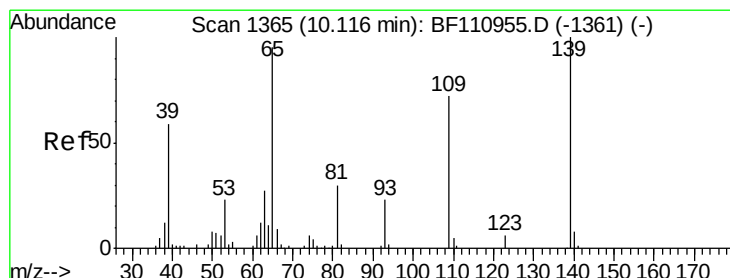
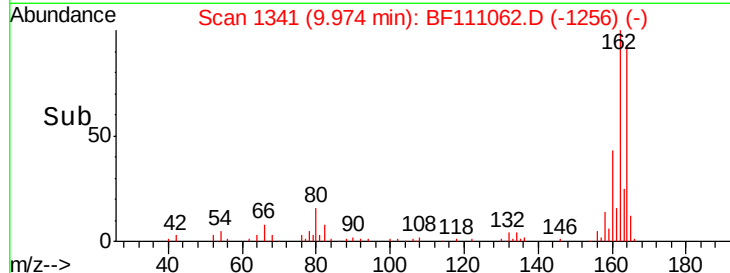
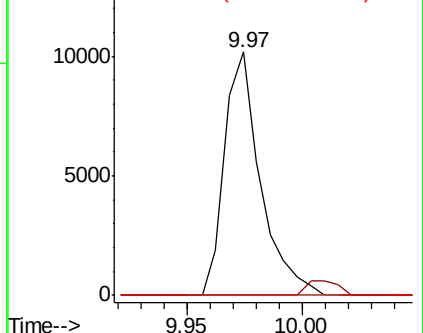
89 0.0 46.6 69.8#



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



#56

4-Nitrophenol

Concen: 5.623 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.09 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

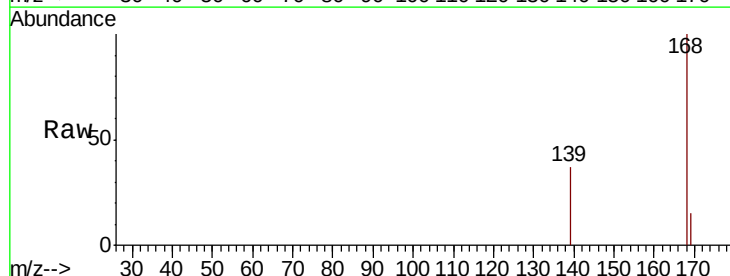
Tgt Ion:139 Resp: 1353

Ion Ratio Lower Upper

139 100

109 0.0 55.8 95.8#

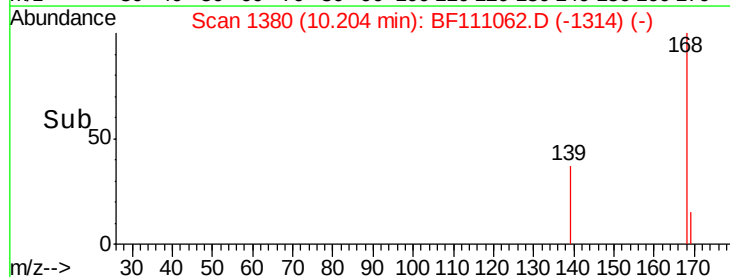
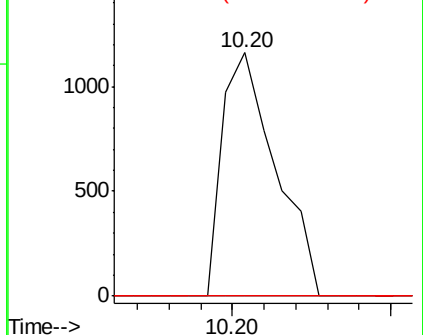
65 0.0 77.9 117.9#

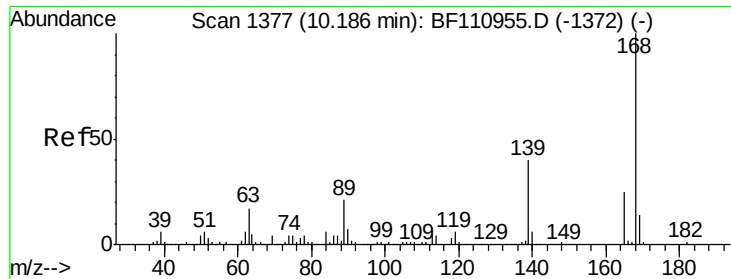


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

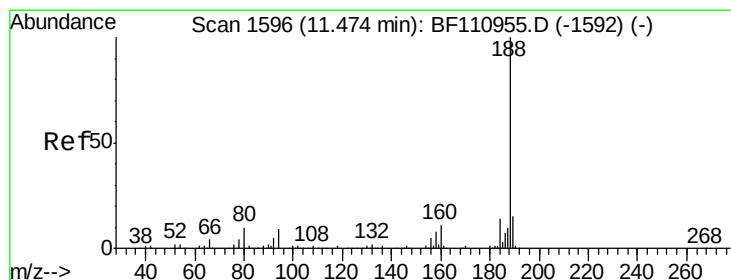
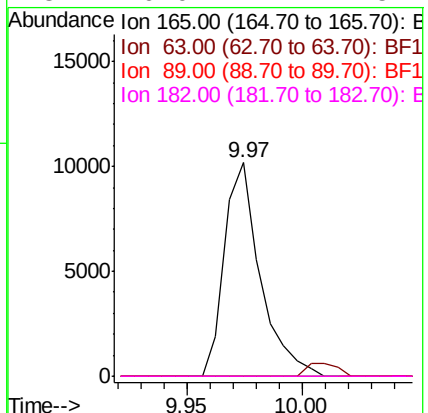
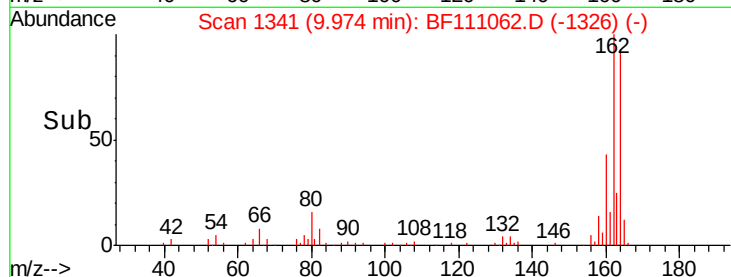
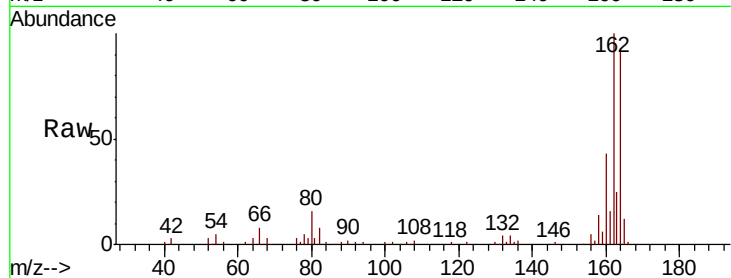




#57
 2,4-Dinitrotoluene
 Concen: 5.938 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.21 min
 Lab File: BF111062.D
 Acq: 28 Nov 2018 22:57

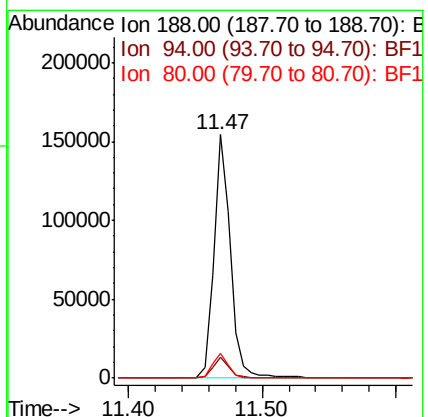
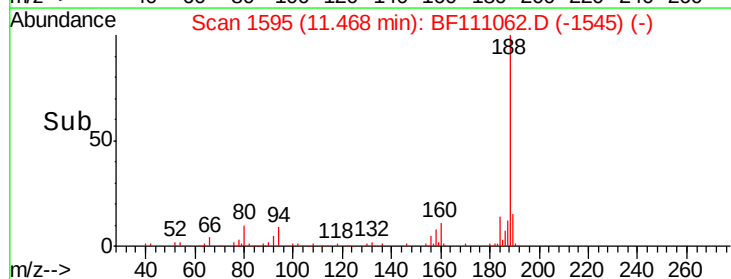
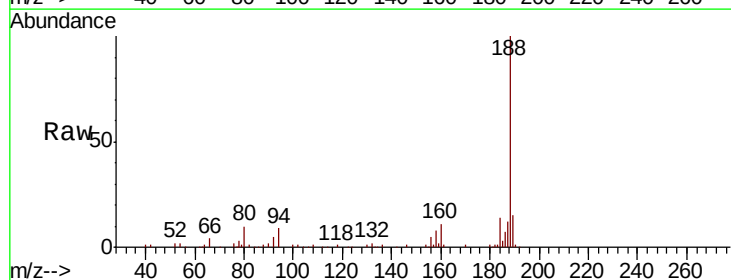
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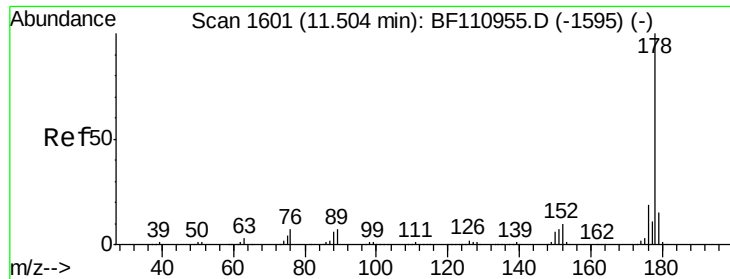
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.8	67.2#
89	0.0	62.2	93.4#
182	0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF111062.D
 Acq: 28 Nov 2018 22:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	10.2	7.9	11.9

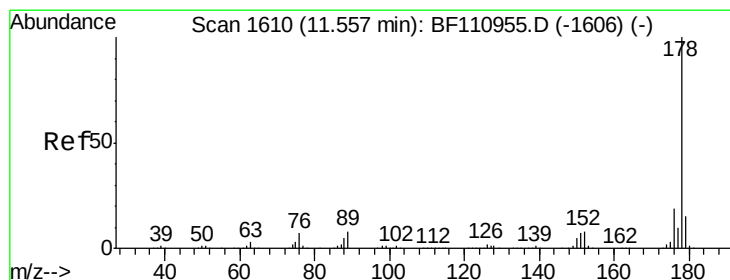
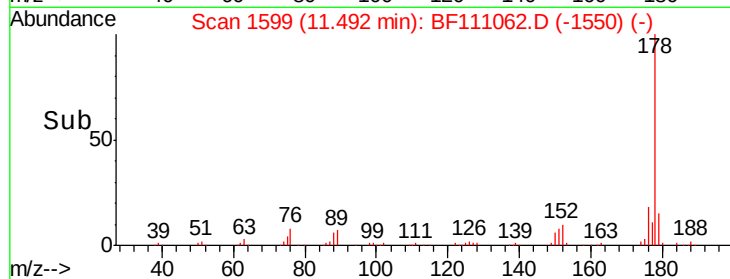
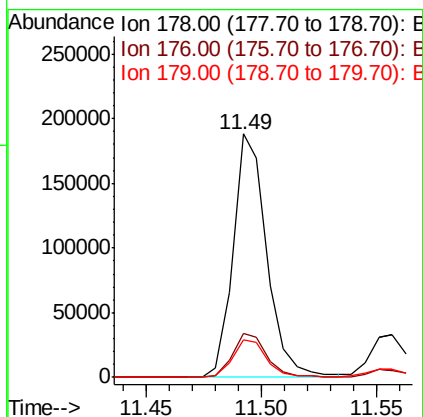
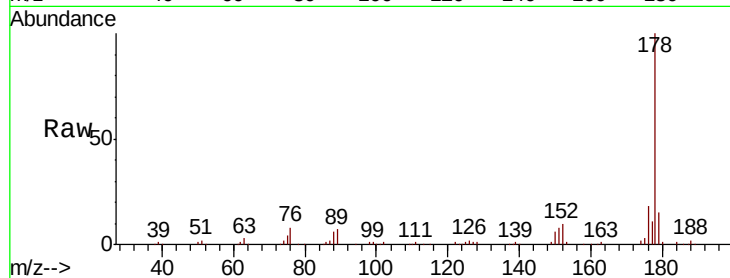




#71
Phenanthrene
Concen: 26.767 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

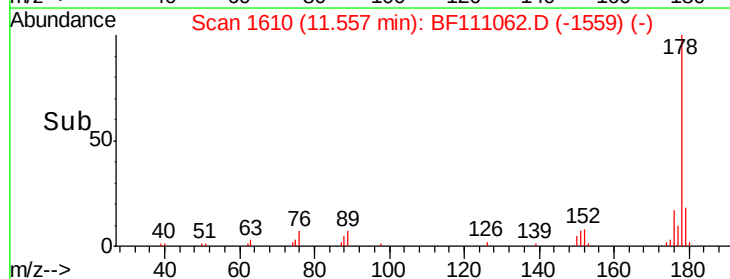
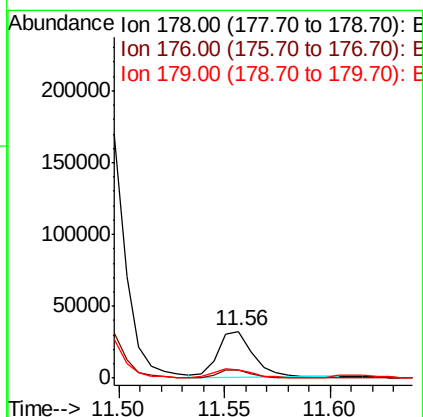
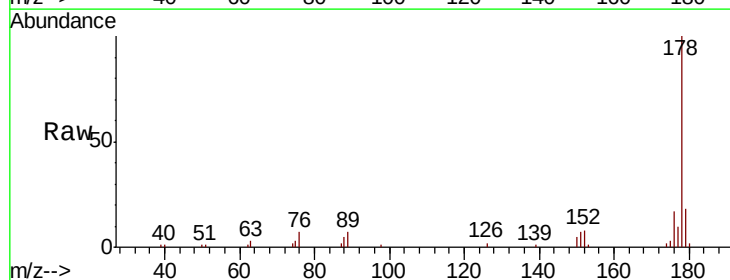
Instrument :
BNA_F
ClientSampleID :
SS-01DL

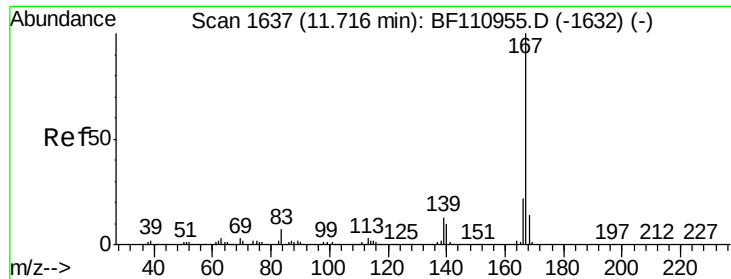
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	15.3	12.5	18.7



#72
Anthracene
Concen: 5.089 ng
RT: 11.56 min Scan# 1610
Delta R.T. -0.00 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	17.9	12.6	18.8





#73

Carbazole

Concen: 3.457 ng

RT: 11.72 min Scan# 1637

Delta R.T. -0.00 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Instrument :

BNA_F

ClientSampled :

SS-01DL

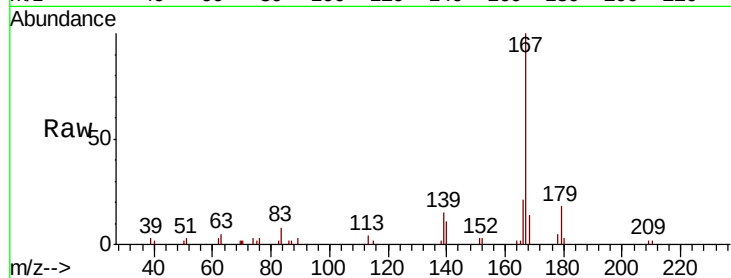
Tgt Ion:167 Resp: 24370

Ion Ratio Lower Upper

167 100

166 21.2 17.4 26.0

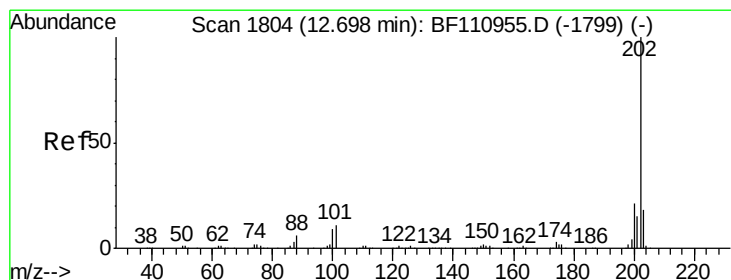
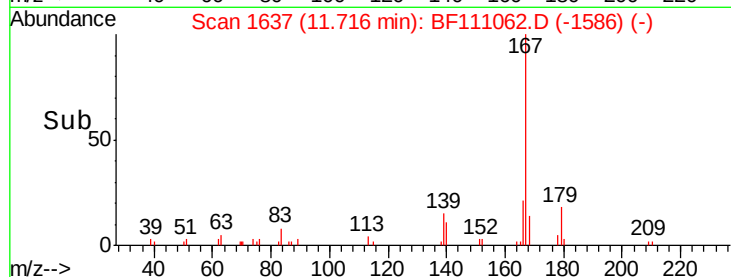
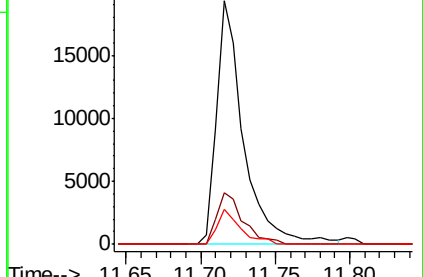
139 14.6 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 59.470 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

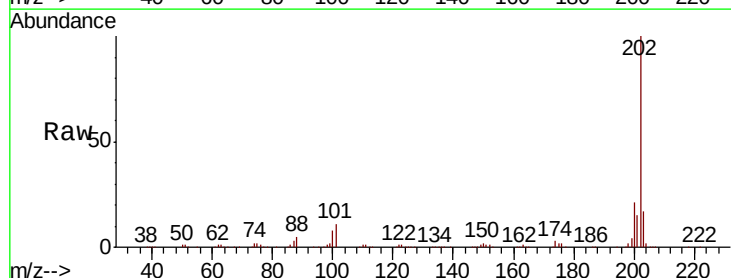
Tgt Ion:202 Resp: 435873

Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.4

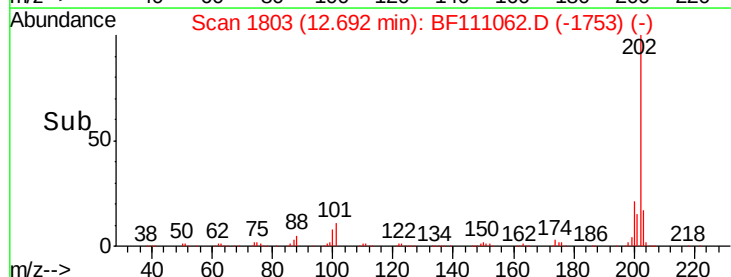
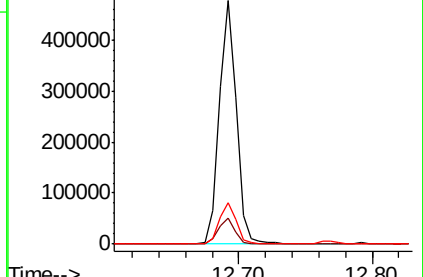
203 17.1 0.0 37.7

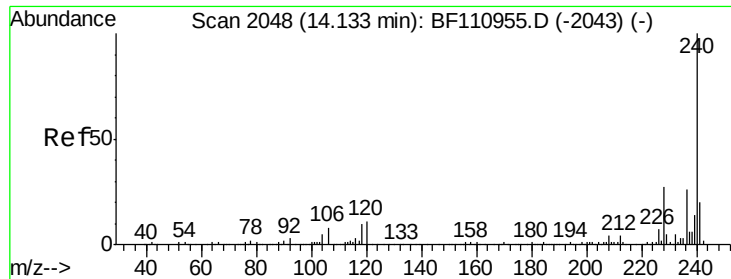


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

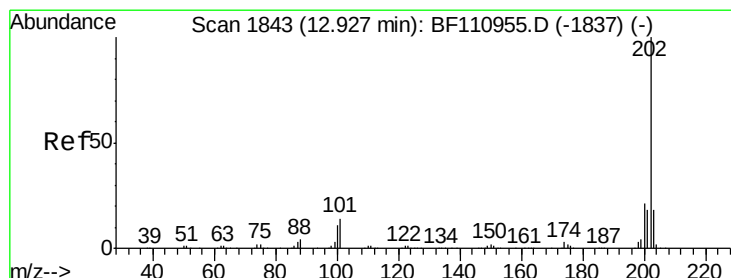
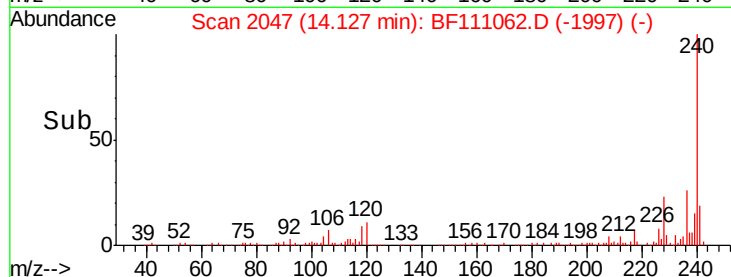
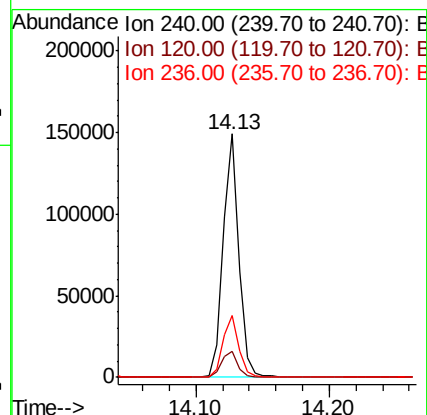
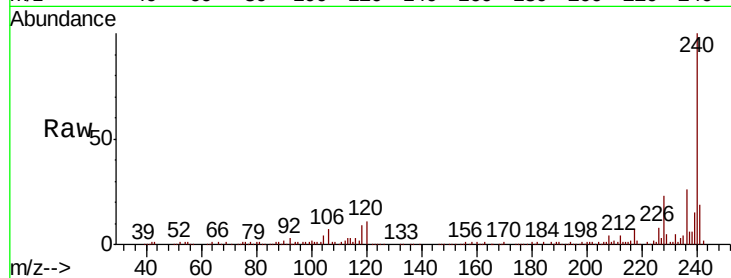




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

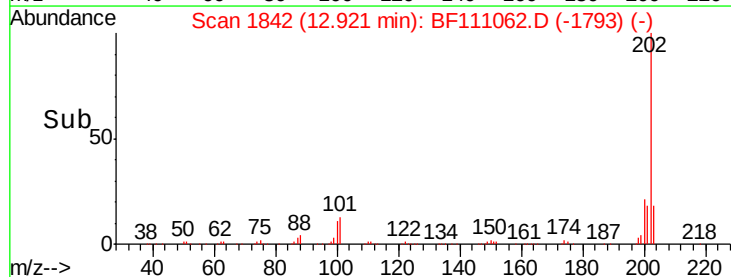
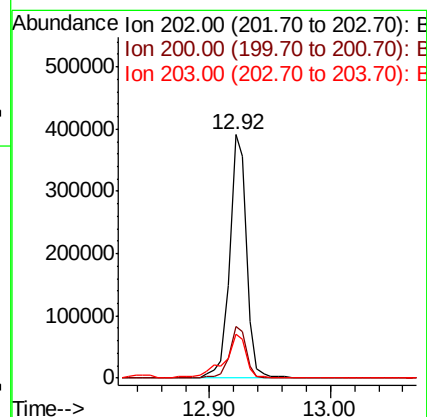
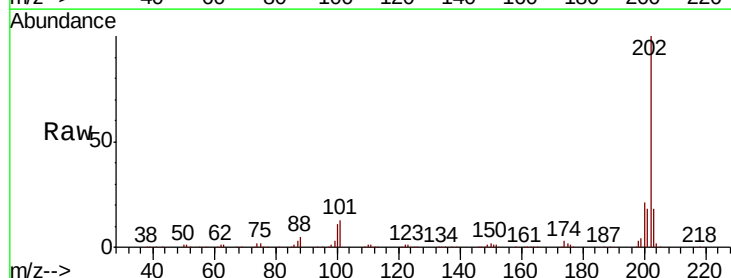
Instrument :
BNA_F
ClientSampleId :
SS-01DL

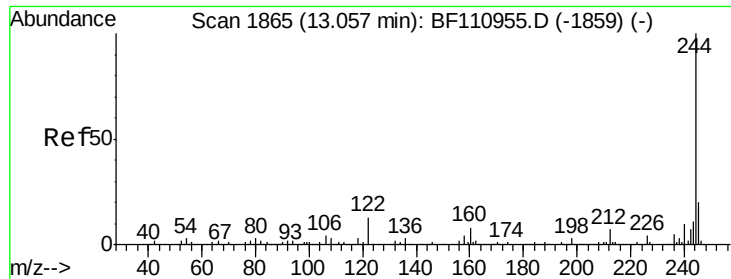
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	25.6	21.2	31.8



#78
Pyrene
Concen: 41.281 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	18.1	14.2	21.4





#79

Terphenyl-d14

Concen: 0.609 ng

RT: 13.05 min Scan# 1864

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Instrument :

BNA_F

ClientSampleId :

SS-01DL

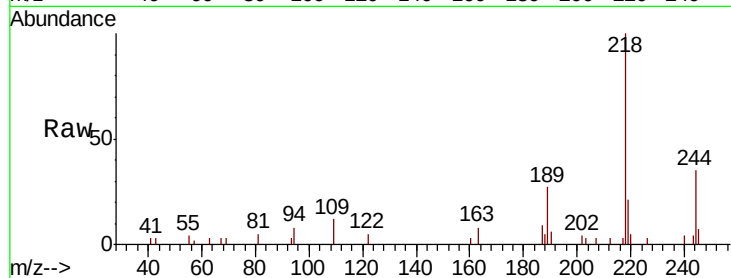
Tgt Ion:244 Resp: 3899

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

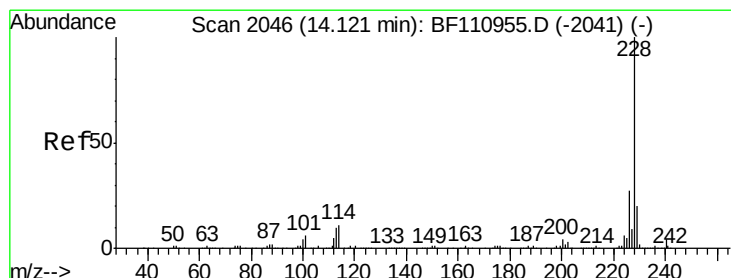
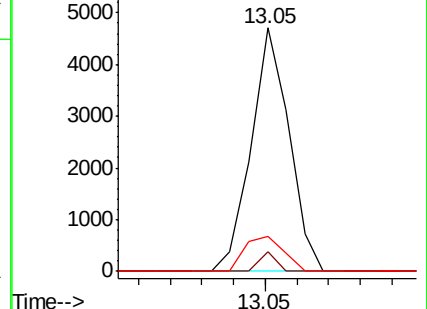
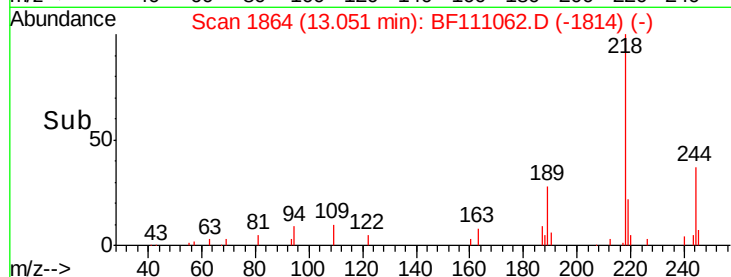
122 14.6 8.7 13.1#



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



#81

Benzo(a)anthracene

Concen: 25.505 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

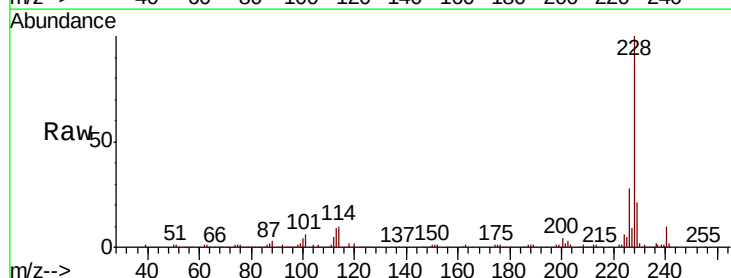
Tgt Ion:228 Resp: 187718

Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

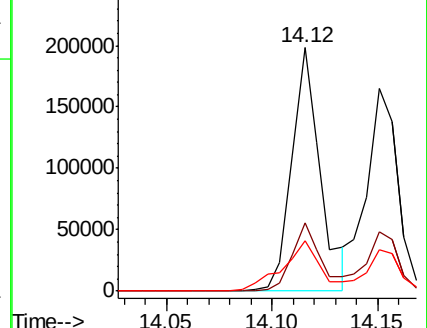
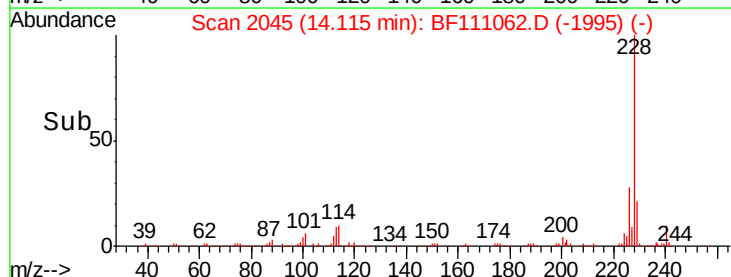
229 20.9 15.6 23.4

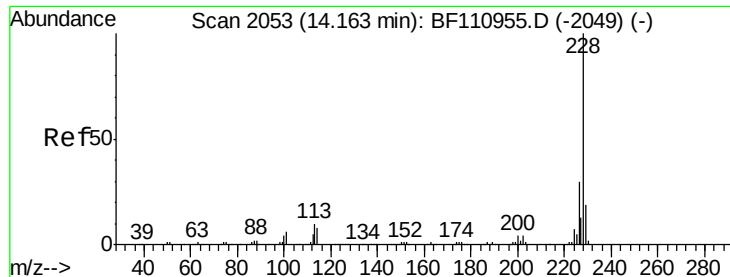


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 23.124 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Instrument :

BNA_F

ClientSampled :

SS-01DL

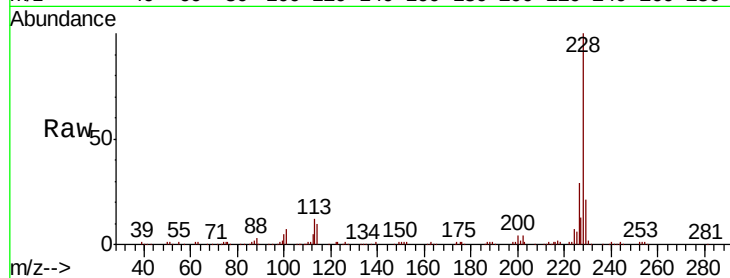
Tgt Ion:228 Resp: 167543

Ion Ratio Lower Upper

228 100

226 29.4 24.7 37.1

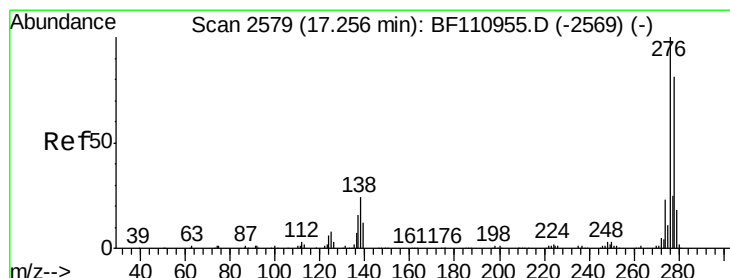
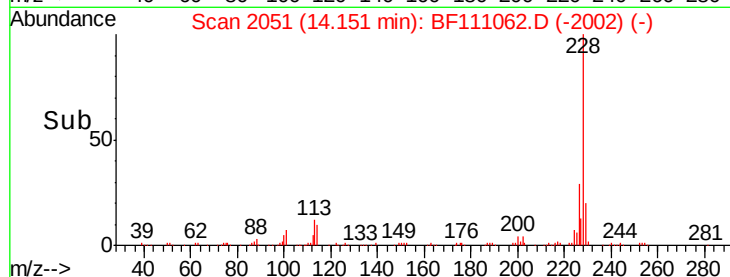
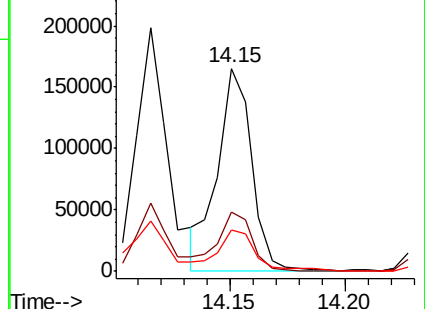
229 20.6 15.9 23.9



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

Indeno(1,2,3-cd)pyrene

Concen: 16.881 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.00 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

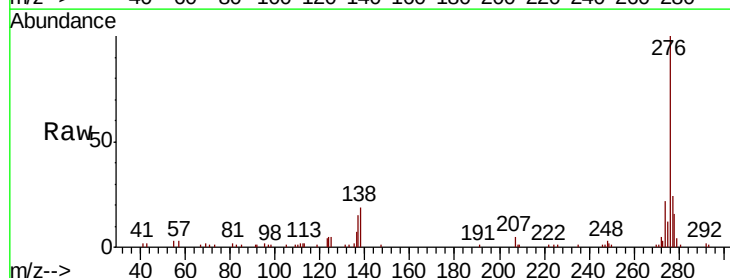
Tgt Ion:276 Resp: 87793

Ion Ratio Lower Upper

276 100

138 20.7 18.5 27.7

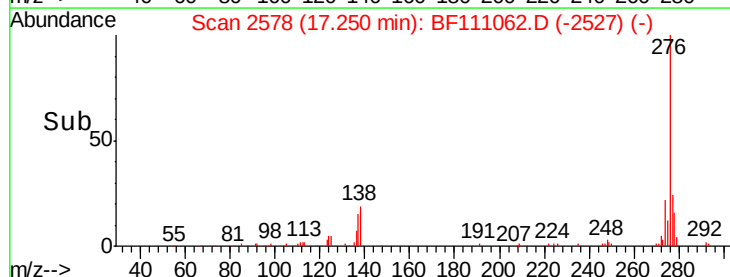
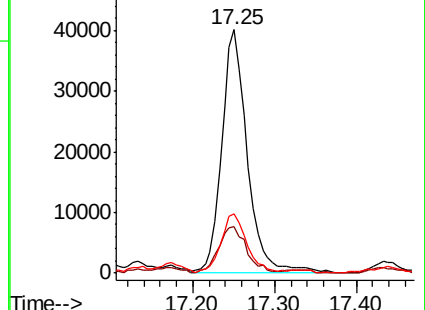
277 24.9 20.0 30.0

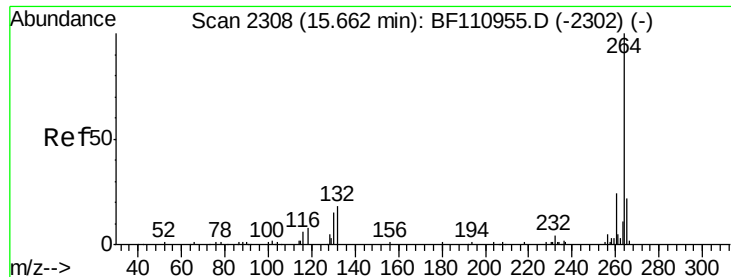


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2308

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Instrument :

BNA_F

ClientSampleId :

SS-01DL

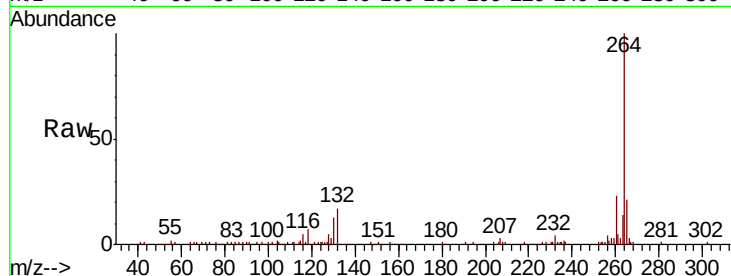
Tgt Ion:264 Resp: 93487

Ion Ratio Lower Upper

264 100

260 22.9 18.7 28.1

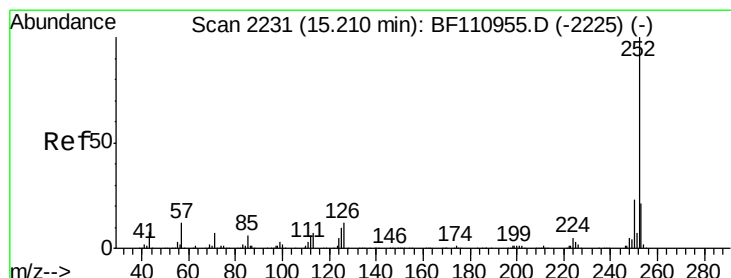
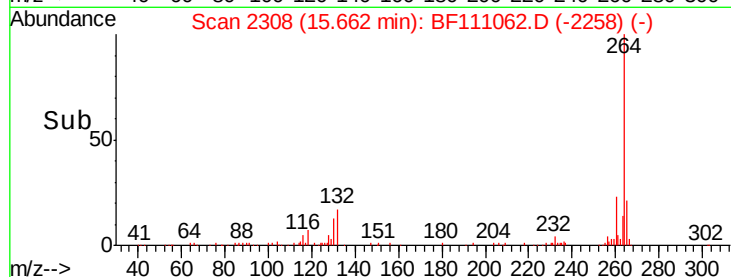
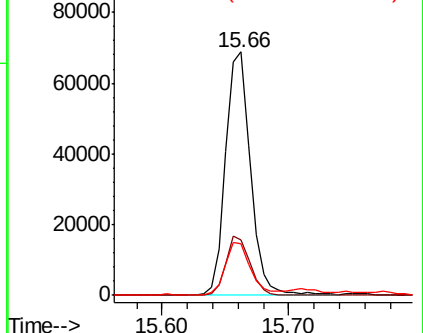
265 21.3 16.7 25.1



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



#88

Benzo(b)fluoranthene

Concen: 51.752 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

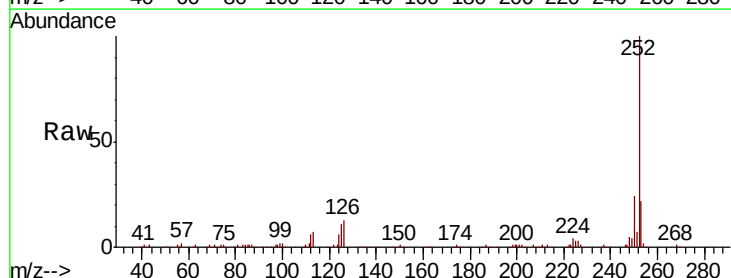
Tgt Ion:252 Resp: 284222

Ion Ratio Lower Upper

252 100

253 21.5 17.2 25.8

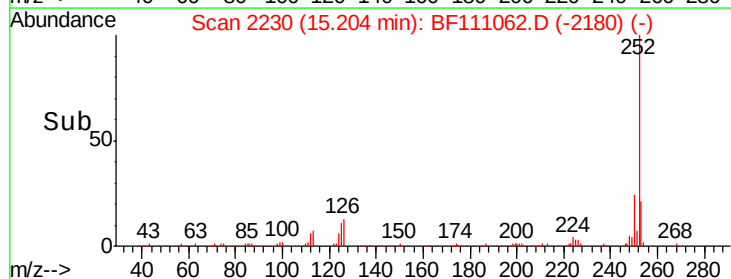
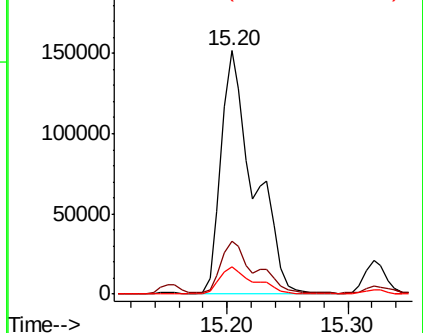
125 11.2 8.2 12.4

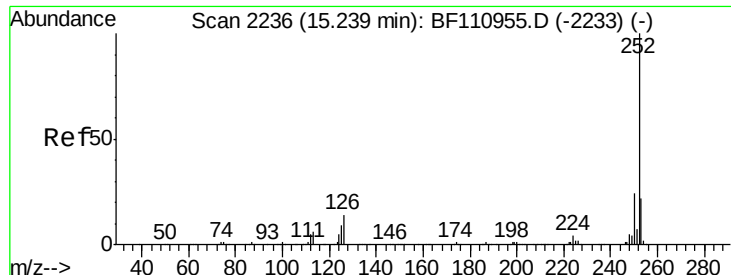


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

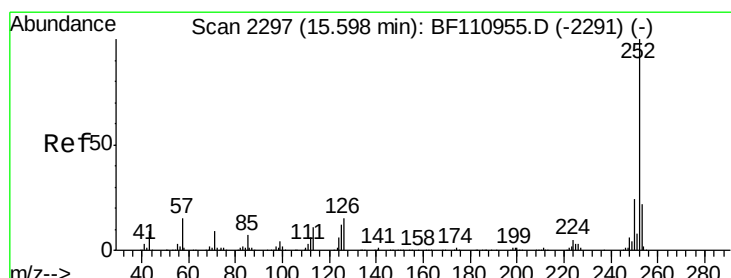
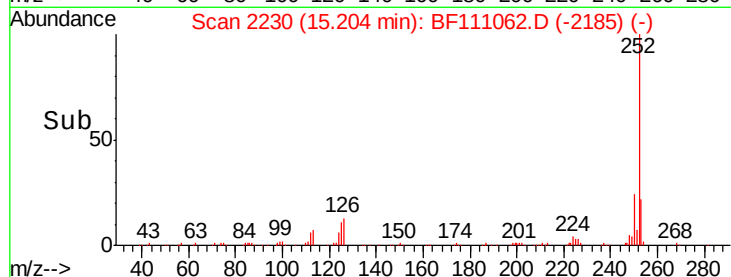
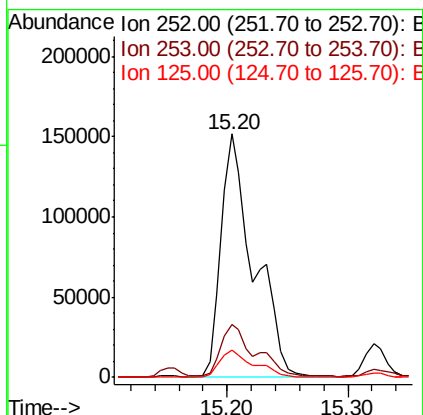
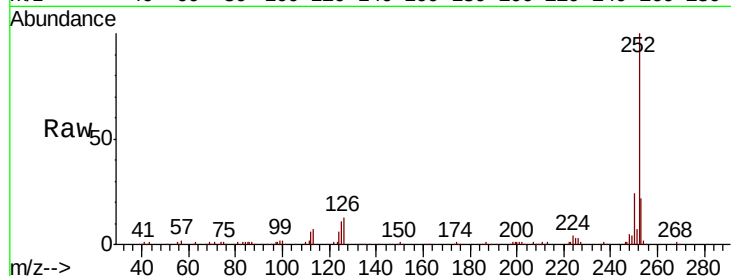




#89
Benzo(k)fluoranthene
Concen: 50.279 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

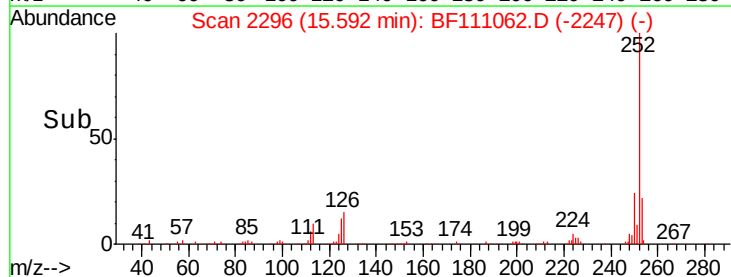
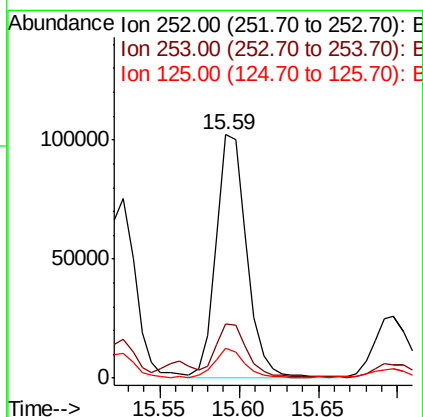
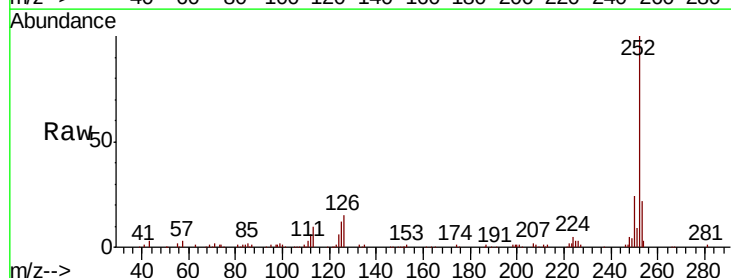
Instrument :
BNA_F
ClientSampleId :
SS-01DL

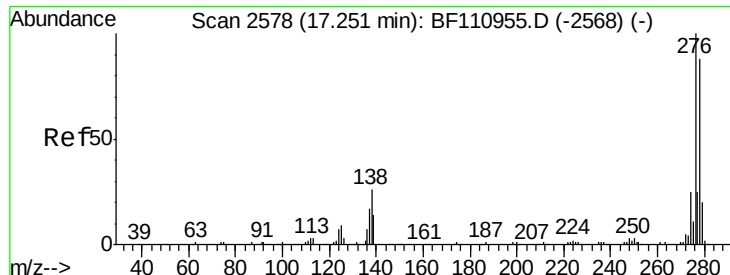
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	11.2	7.4	11.0



#90
Benzo(a)pyrene
Concen: 26.945 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF111062.D
Acq: 28 Nov 2018 22:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	12.1	9.0	13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.310 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.18 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

Instrument :

BNA_F

ClientSampleId :

SS-01DL

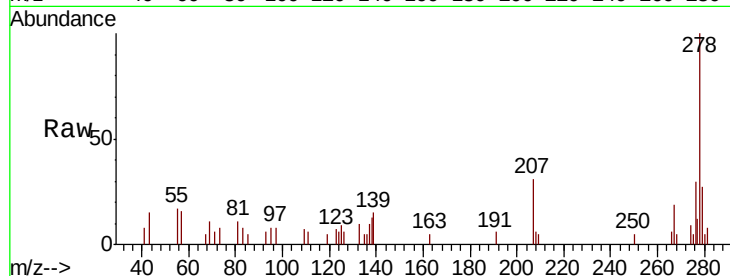
Tgt Ion:278 Resp: 13962

Ion Ratio Lower Upper

278 100

139 14.8 12.7 19.1

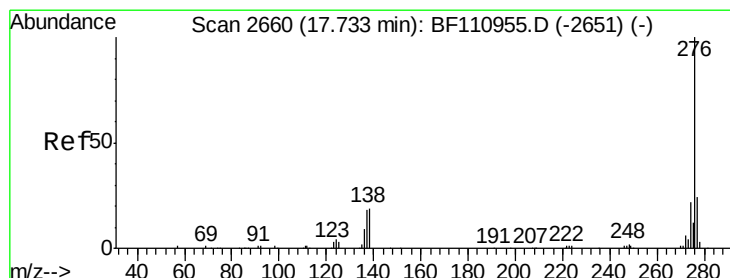
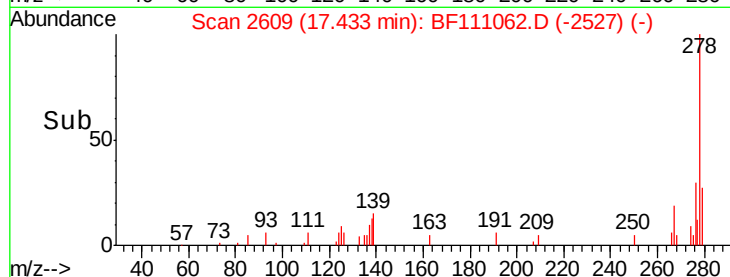
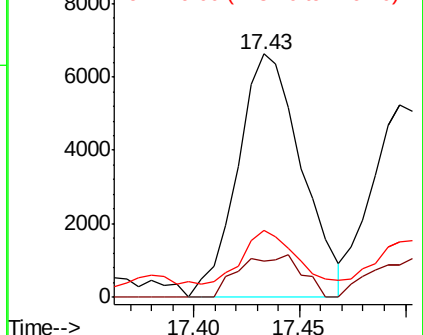
279 27.3 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 19.340 ng

RT: 17.73 min Scan# 2660

Delta R.T. -0.01 min

Lab File: BF111062.D

Acq: 28 Nov 2018 22:57

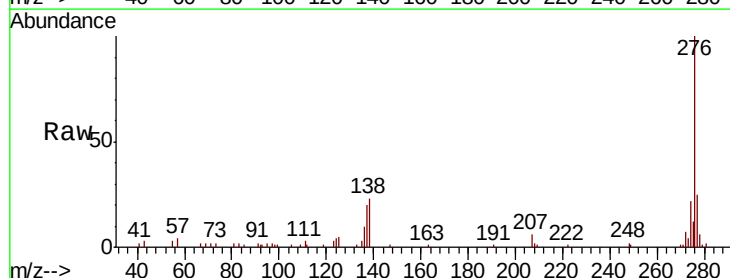
Tgt Ion:276 Resp: 78655

Ion Ratio Lower Upper

276 100

277 25.3 18.8 28.2

138 22.6 16.0 24.0



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

