

Data Path : \\74.0.250.170\TERASTORAGE\SVOASRV\HPCHEM1\BNA_F\DATA\BF081618\
 Data File : BF108210.D
 Acq On : 16 Aug 2018 22:13
 Operator : JU/SJ
 Sample : J4499-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Quant Time: Aug 17 04:07:54 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	157939	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	595581	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	277927	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	511217	20.00	ng	0.00
75) Chrysene-d12	14.21	240	477934	20.00	ng	0.00
86) Perylene-d12	15.78	264	354079	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.63	112	149810	17.17	ng	0.00
7) Phenol-d6	6.62	99	204769	17.66	ng	0.00
23) Nitrobenzene-d5	7.57	82	129589	12.14	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	46539	16.79	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	249198	14.40	ng	0.00
78) Terphenyl-d14	13.14	244	252648	13.44	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.57	70	16866	2.151	ng	# 83
25) Isophorone	7.57	82	129587	6.370	ng	# 64
50) 2,6-Dinitrotoluene	10.06	165	35596	8.788	ng	# 26
55) 4-Nitrophenol	10.27	139	10807	3.220	ng	# 9
56) 2,4-Dinitrotoluene	10.06	165	35596	6.827	ng	# 23
70) Phenanthrene	11.58	178	461453	19.138	ng	98
71) Anthracene	11.63	178	85770	3.471	ng	99
72) Carbazole	11.78	167	62229	2.834	ng	97
74) Fluoranthene	12.78	202	600092	22.804	ng	96
77) Pyrene	13.01	202	468486	15.483	ng	98
80) Benzo(a)anthracene	14.20	228	229336	8.361	ng	100
82) Chrysene	14.24	228	202757	8.063	ng	98
85) Indeno(1,2,3-cd)pyrene	17.38	276	68293	3.134	ng	# 88
87) Benzo(b)fluoranthene	15.30	252	293544	13.874	ng	98
88) Benzo(k)fluoranthene	15.30	252	293181	15.074	ng	98
89) Benzo(a)pyrene	15.70	252	134809	7.115	ng	97
91) Benzo(g,h,i)perylene	17.88	276	62896	4.075	ng	# 92

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

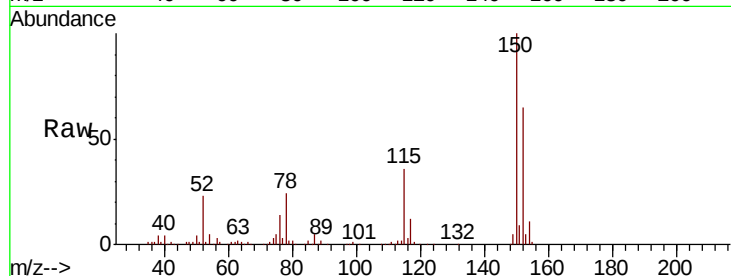


#1

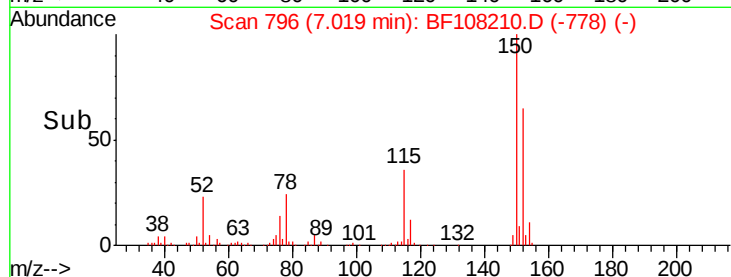
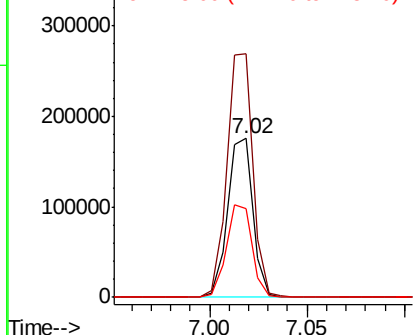
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tgt Ion:152 Resp: 157939
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 55.7 50.1 75.1



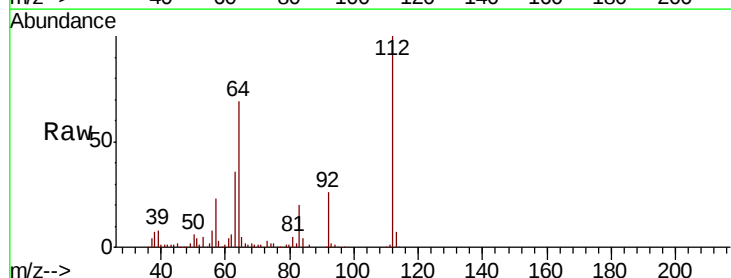
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



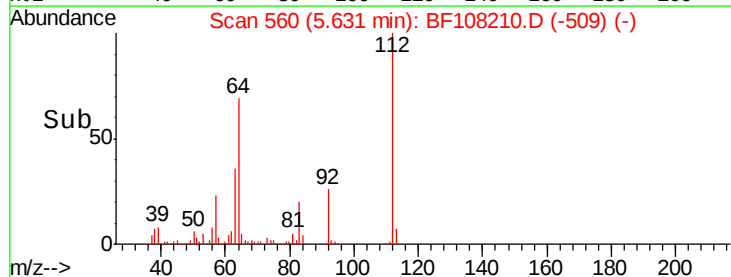
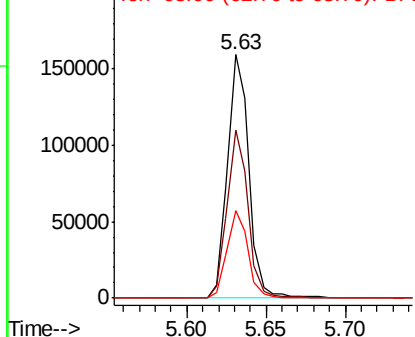
#5

2-Fluorophenol
Concen: 17.173 ng
RT: 5.63 min Scan# 560
Delta R.T. 0.00 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion:112 Resp: 149810
Ion Ratio Lower Upper
112 100
64 69.3 47.9 71.9
63 36.2 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: 17.664 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

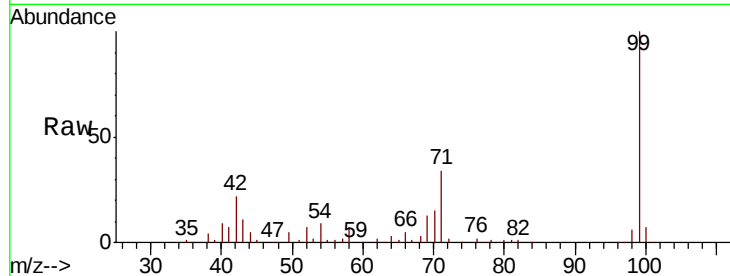
Tgt Ion: 99 Resp: 204769

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7#

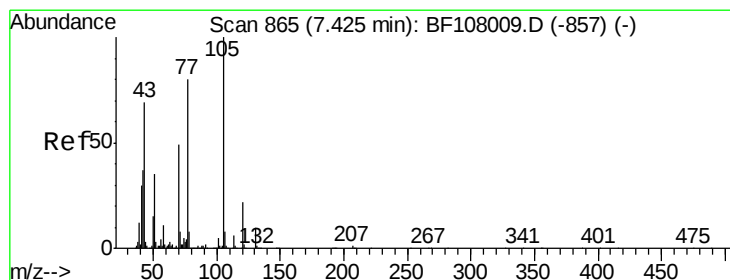
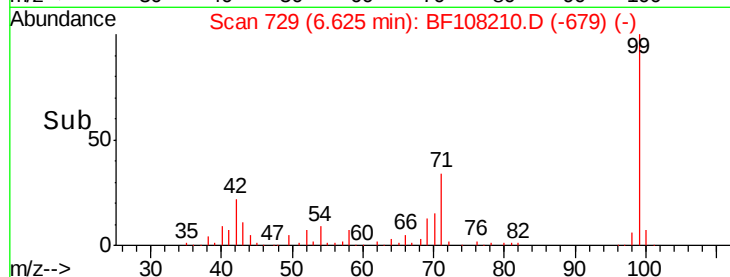
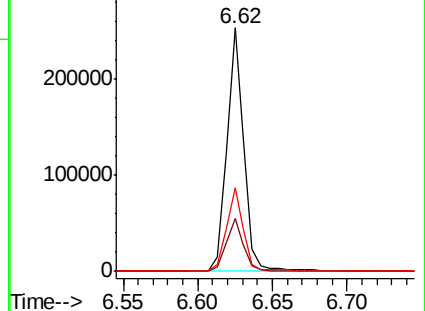
71 34.4 25.4 38.0



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: 2.151 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Tgt Ion: 70 Resp: 16866

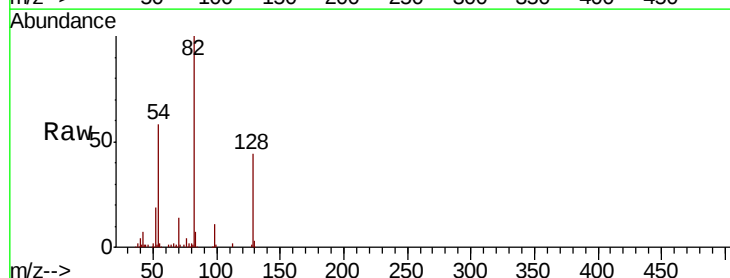
Ion Ratio Lower Upper

70 100

42 53.6 47.5 71.3

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

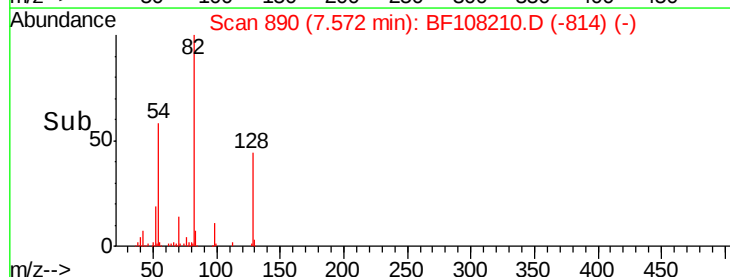
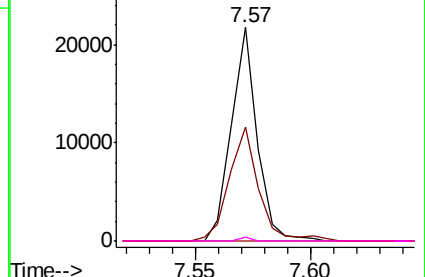


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

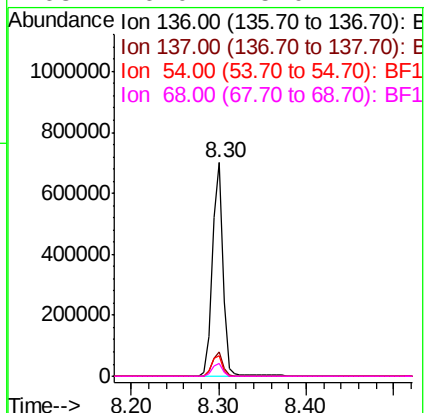
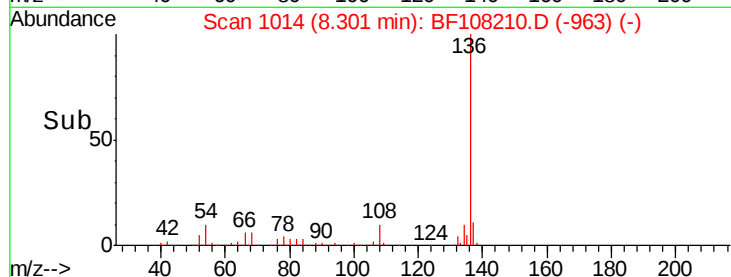
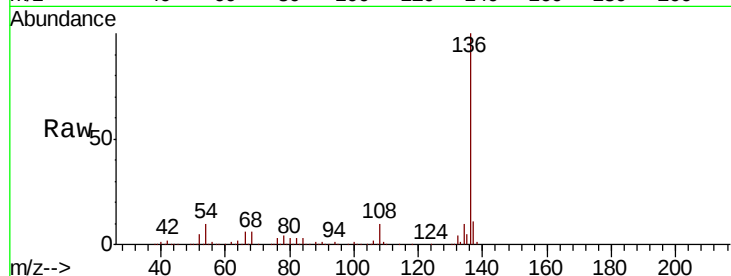




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. -0.00 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

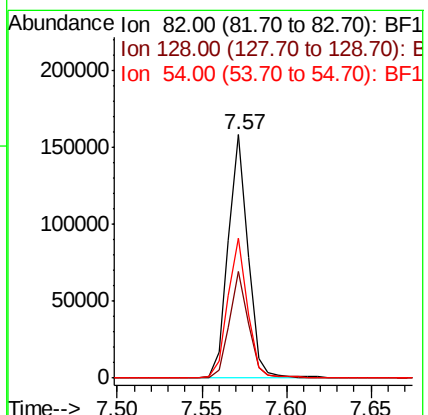
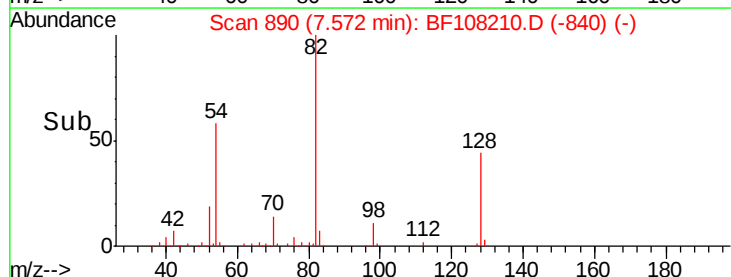
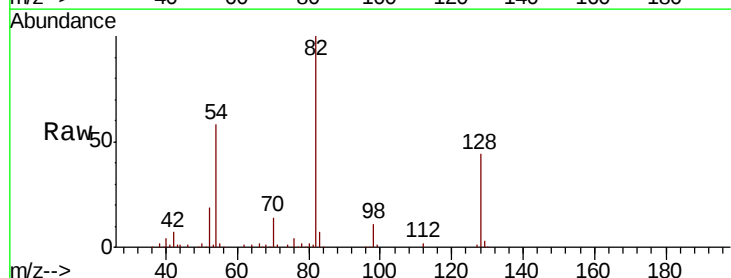
Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tgt Ion:	136	Resp:	595581
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.6	6.6	9.8
68	6.0	5.0	7.4



#23
Nitrobenzene-d5
Concen: 12.142 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion:	82	Resp:	129589
Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	57.7	41.4	62.2





#25

Isophorone

Concen: 6.370 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

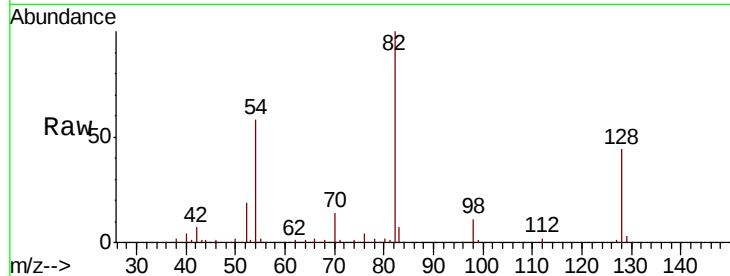
Tgt Ion: 82 Resp: 129587

Ion Ratio Lower Upper

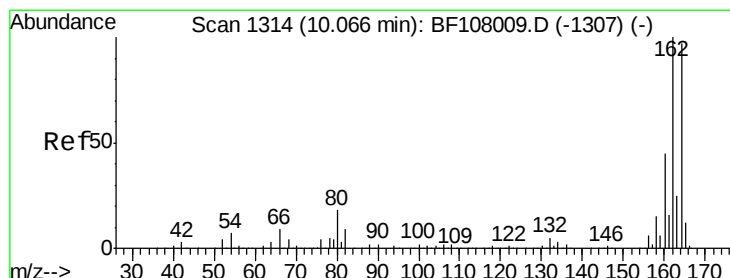
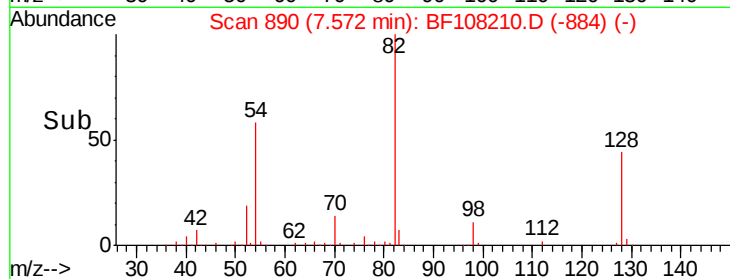
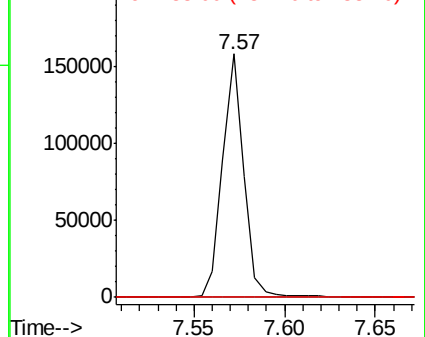
82 100

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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

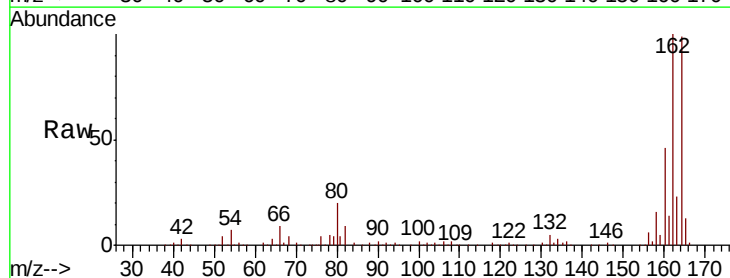
Tgt Ion: 164 Resp: 277927

Ion Ratio Lower Upper

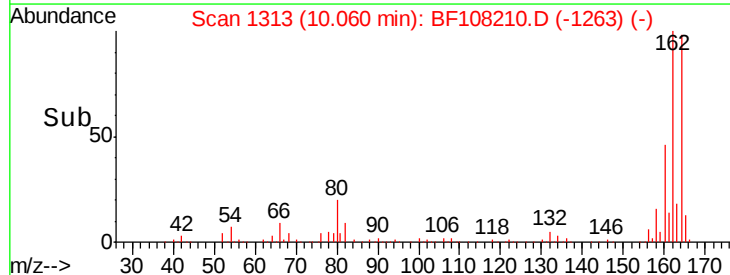
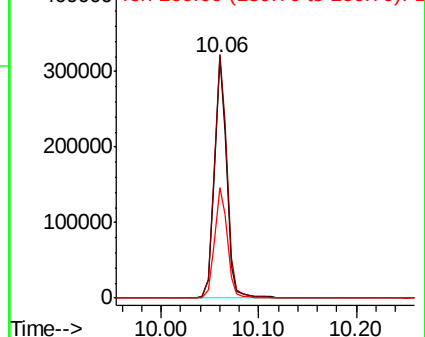
164 100

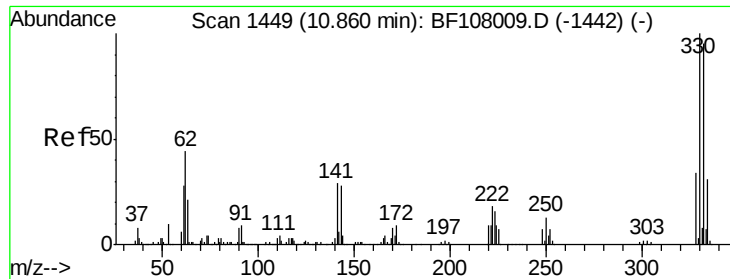
162 101.1 86.1 129.1

160 46.1 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

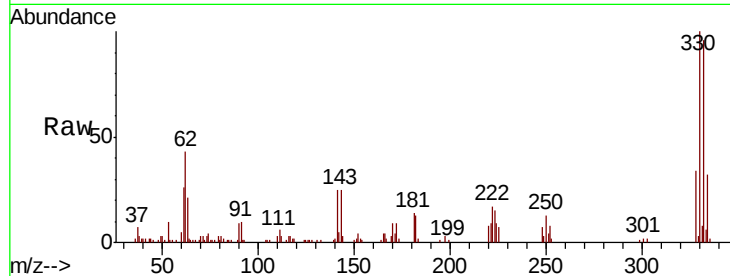




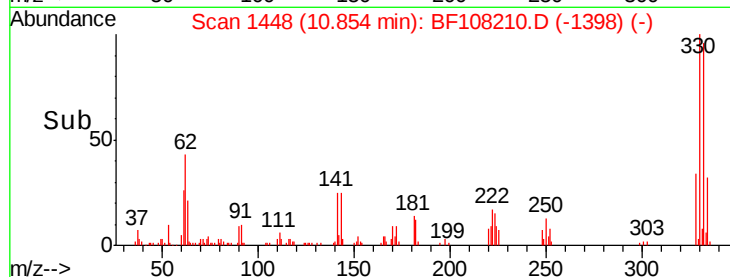
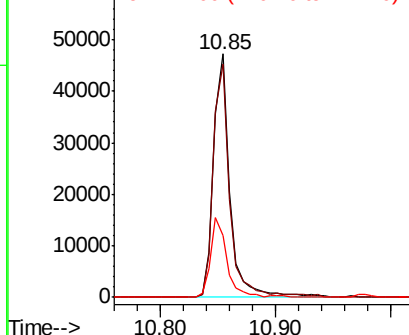
#41
 2,4,6-Tribromophenol
 Concen: 16.787 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Tgt Ion:330 Resp: 46539
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 32.1 29.9 44.9

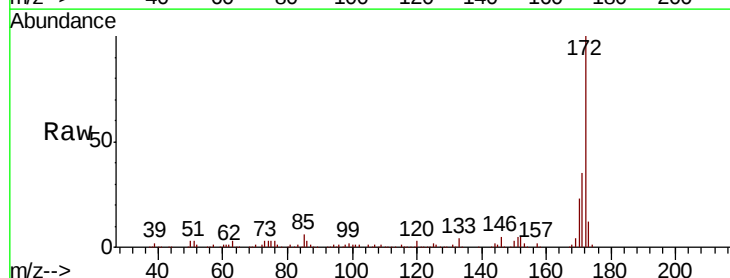


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

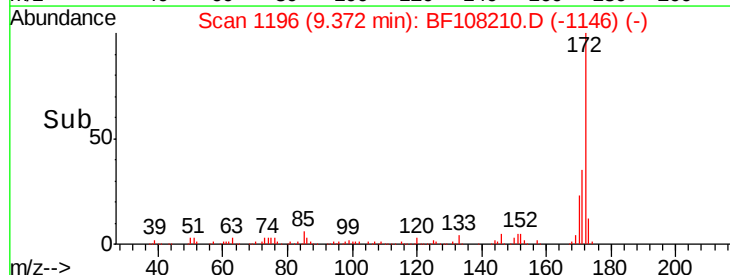
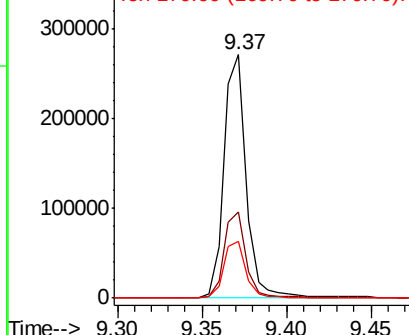


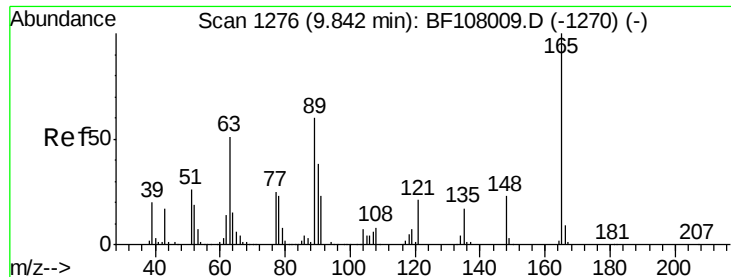
#44
 2-Fluorobiphenyl
 Concen: 14.395 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Tgt Ion:172 Resp: 249198
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.1 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

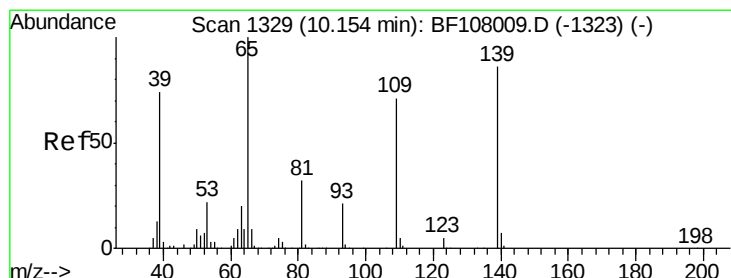
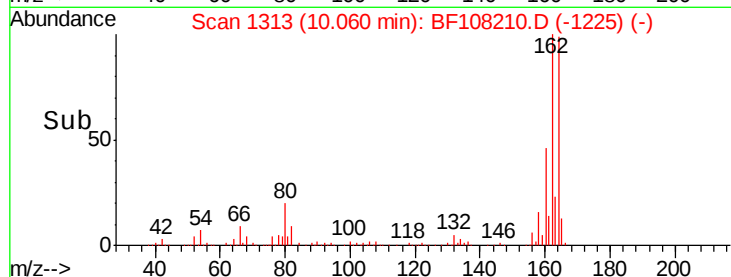
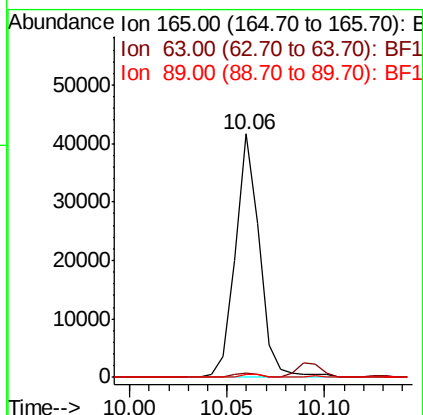
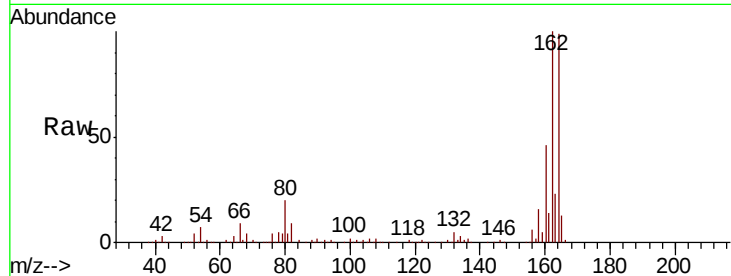




#50
 2,6-Dinitrotoluene
 Concen: 8.788 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

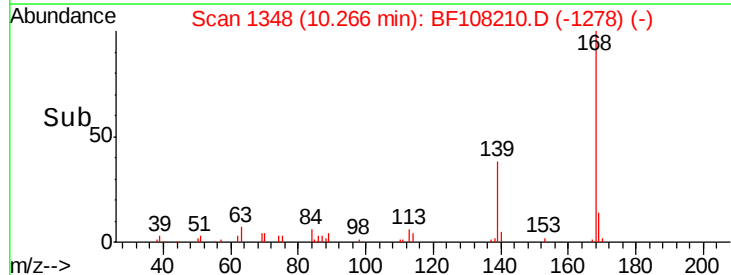
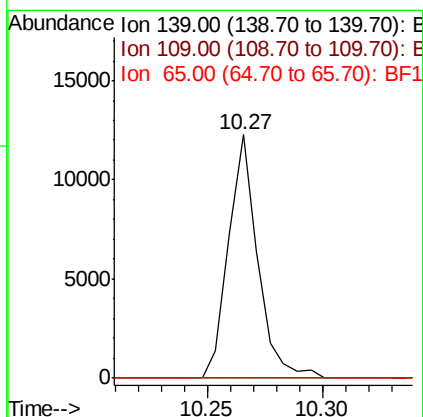
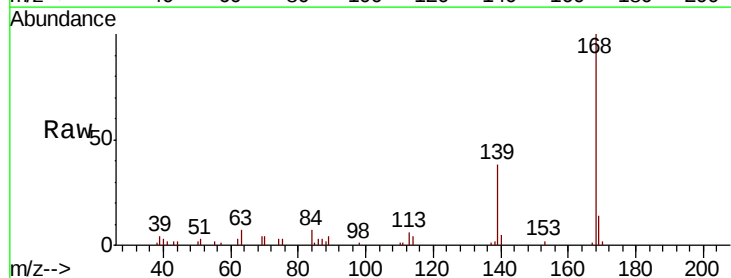
Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.1	44.0	66.0#



#55
 4-Nitrophenol
 Concen: 3.220 ng
 RT: 10.27 min Scan# 1348
 Delta R.T. 0.11 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#

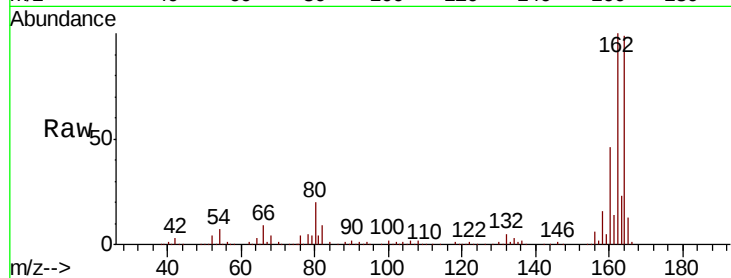




#56
 2,4-Dinitrotoluene
 Concen: 6.827 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Instrument :
 BNA_F
 ClientSampleId :
 LSB-05(0-1)

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



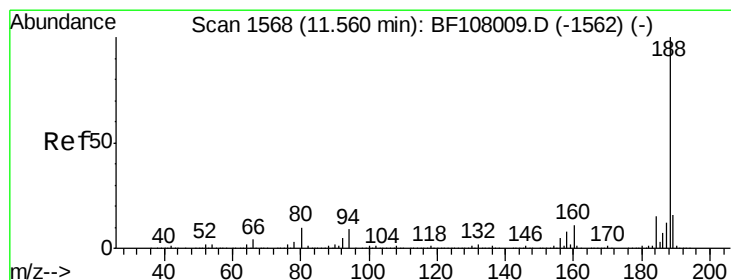
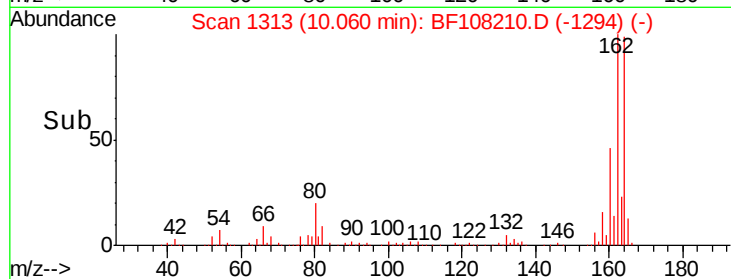
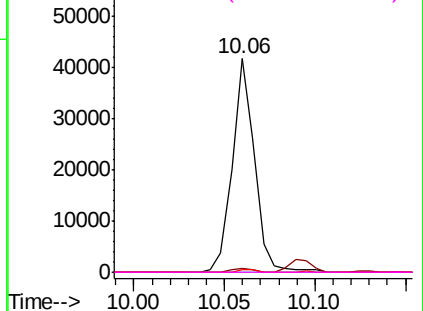
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

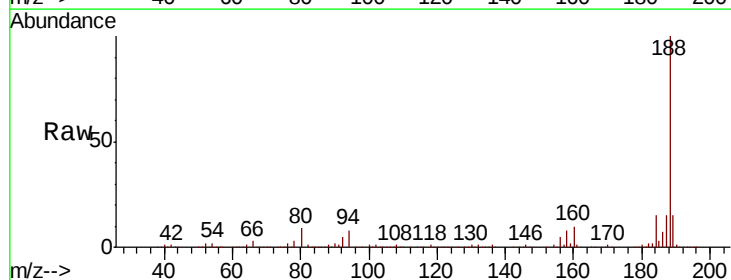
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BF108210.D
 Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.8	9.2	13.8#

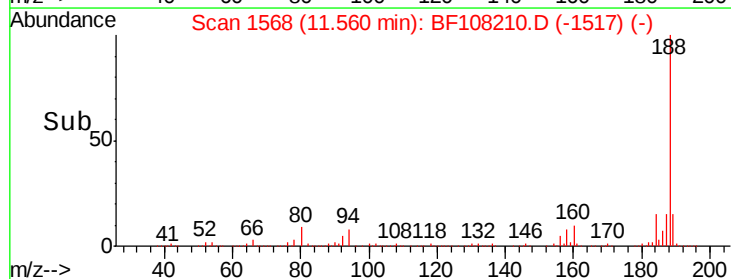
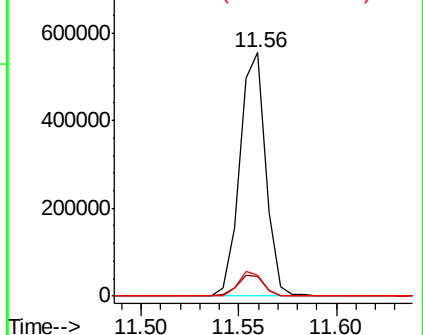


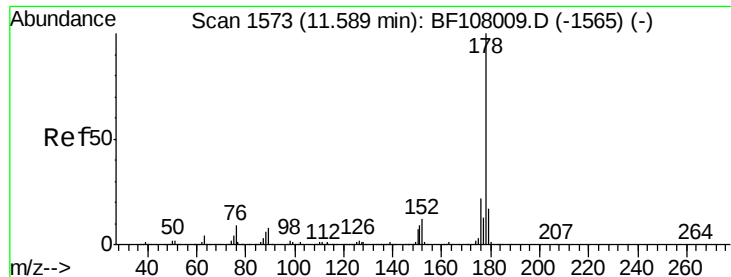
Abundance

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: 19.138 ng

RT: 11.58 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

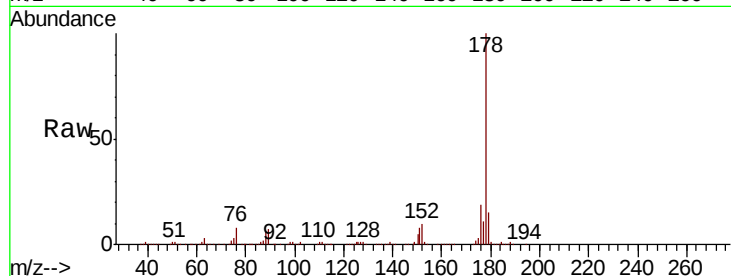
Tgt Ion:178 Resp: 461453

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

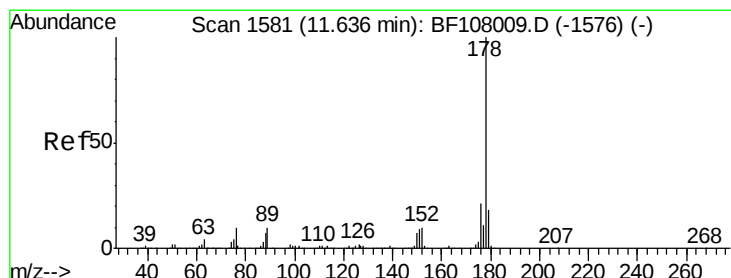
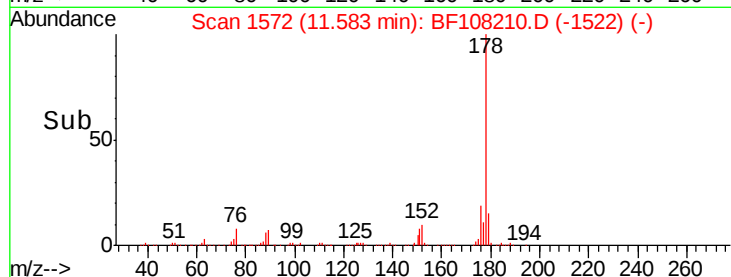
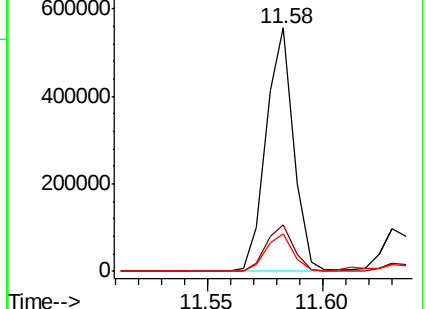
179 15.4 13.0 19.6



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: 3.471 ng

RT: 11.63 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

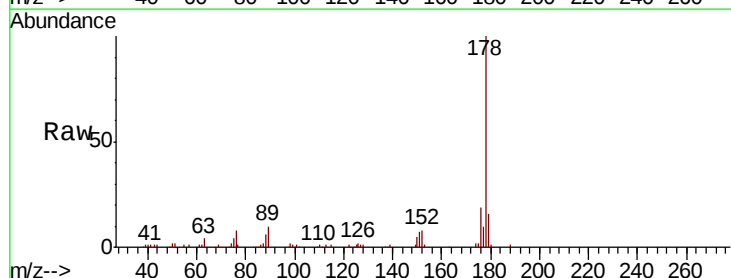
Tgt Ion:178 Resp: 85770

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

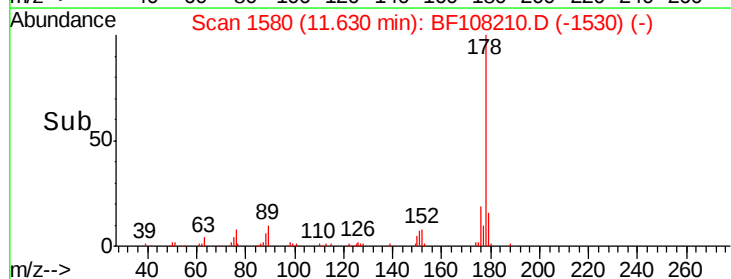
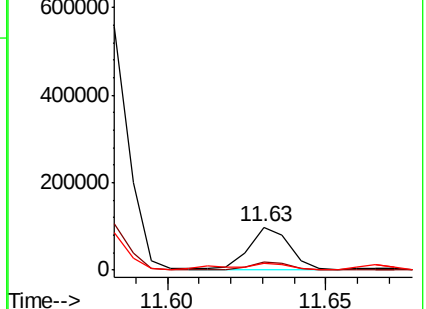
179 15.7 12.6 19.0

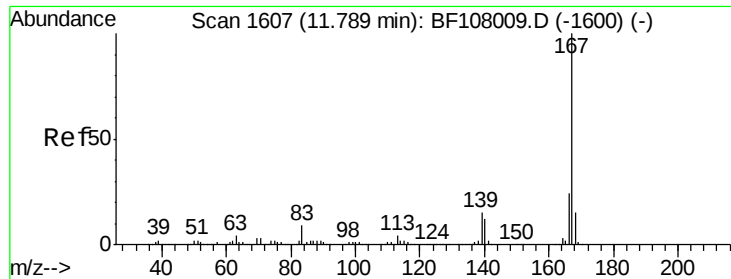


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.834 ng

RT: 11.78 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

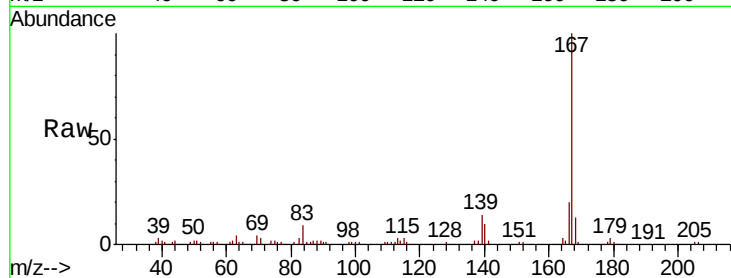
Tgt Ion:167 Resp: 62229

Ion Ratio Lower Upper

167 100

166 19.8 17.6 26.4

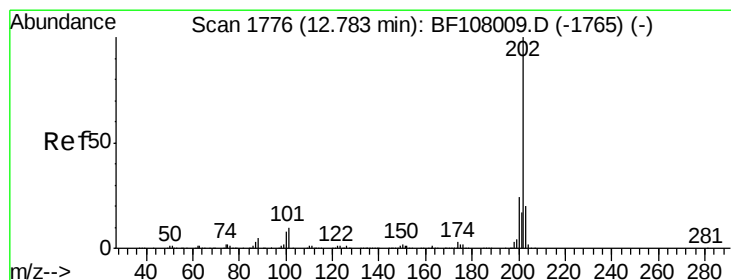
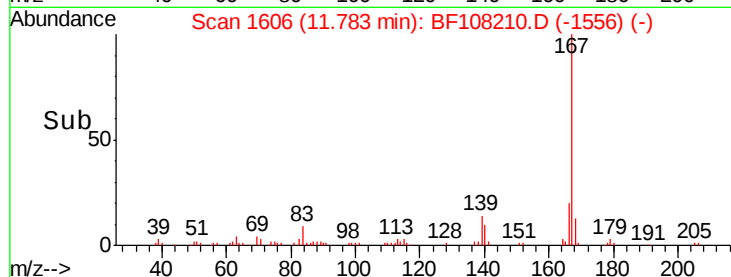
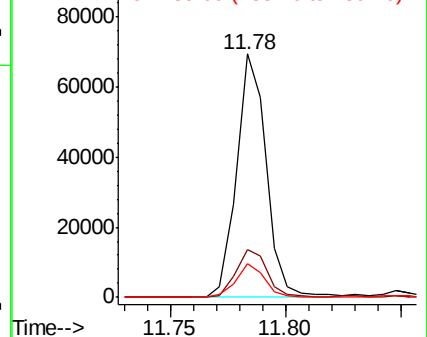
139 13.7 10.9 16.3



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



#74

Fluoranthene

Concen: 22.804 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

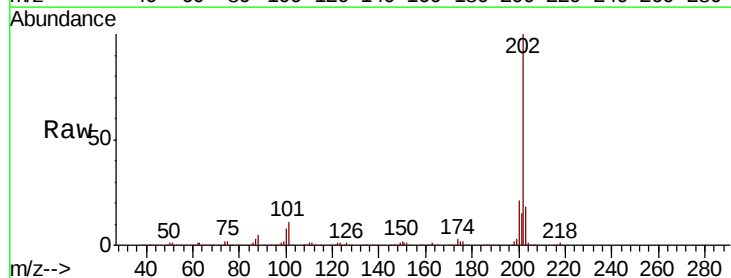
Tgt Ion:202 Resp: 600092

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.1

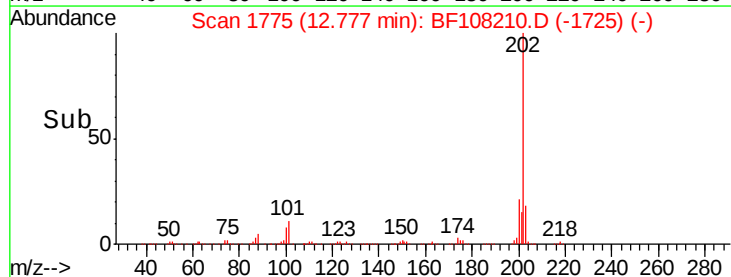
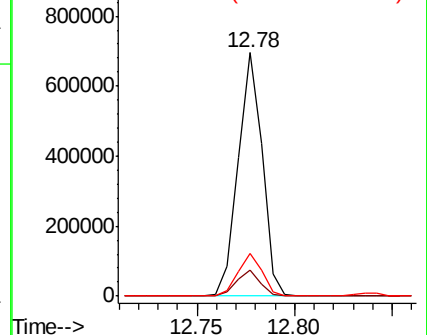
203 17.7 0.0 38.1

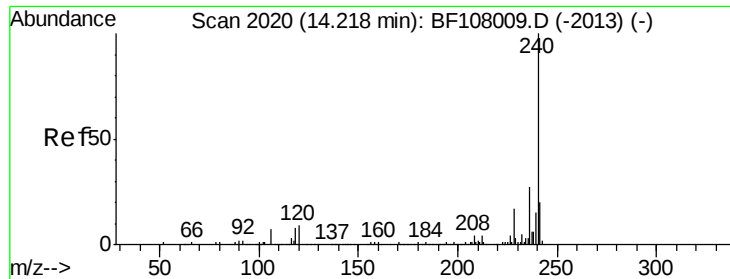


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

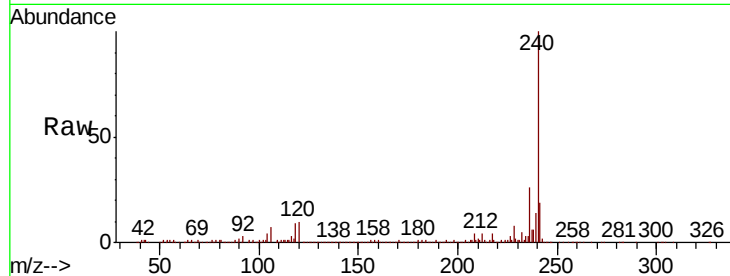
Tgt Ion:240 Resp: 477934

Ion Ratio Lower Upper

240 100

120 9.9 9.5 14.3

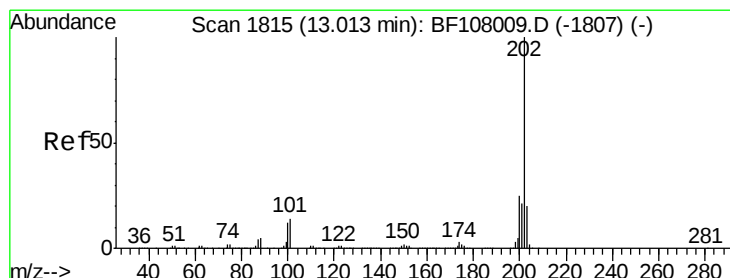
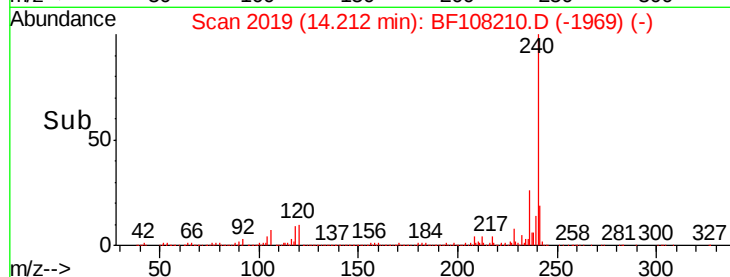
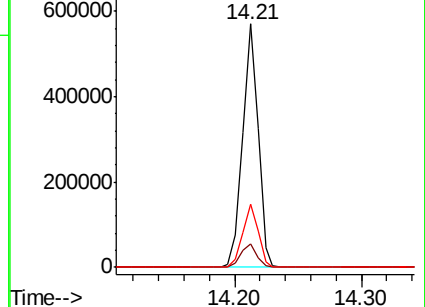
236 25.9 20.7 31.1



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: 15.483 ng

RT: 13.01 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

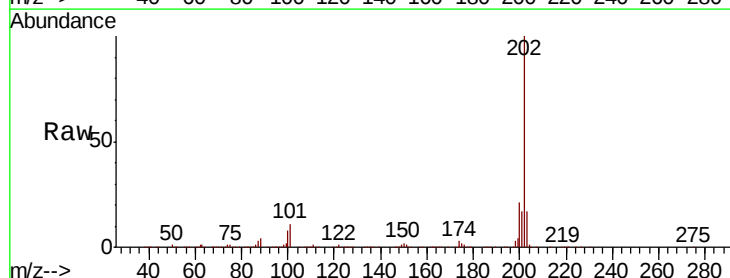
Tgt Ion:202 Resp: 468486

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

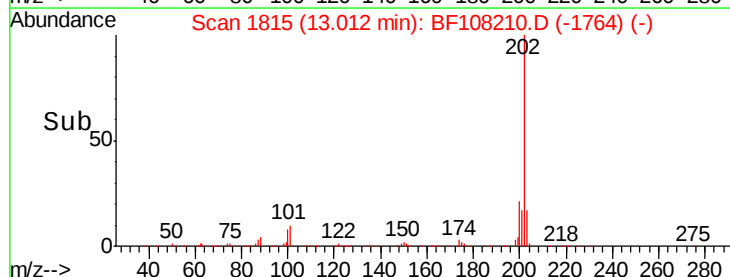
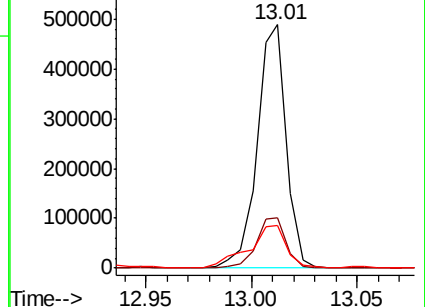
203 17.4 14.3 21.5

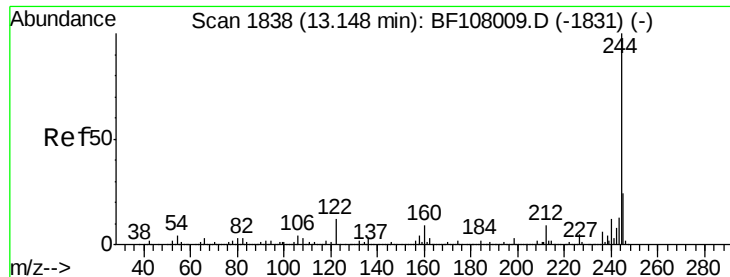


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 13.441 ng

RT: 13.14 min Scan# 1837

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

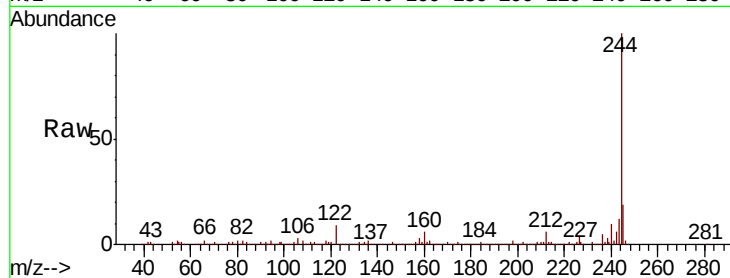
Tgt Ion:244 Resp: 252648

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

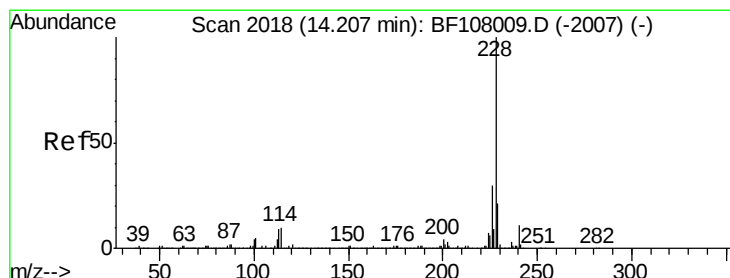
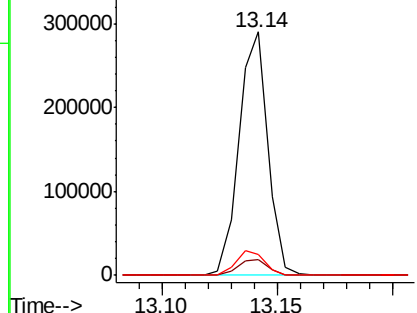
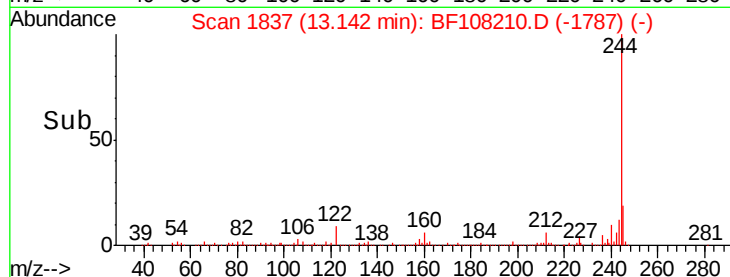
122 8.7 11.0 16.4#



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: 8.361 ng

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

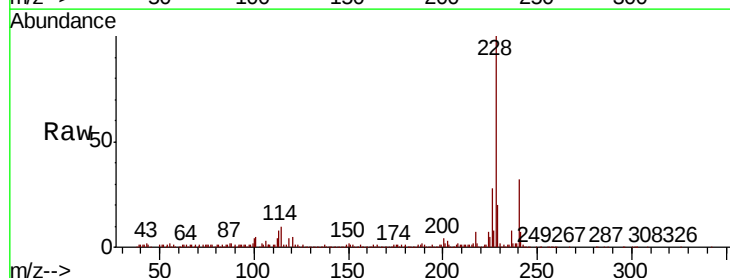
Tgt Ion:228 Resp: 229336

Ion Ratio Lower Upper

228 100

226 28.0 22.6 33.8

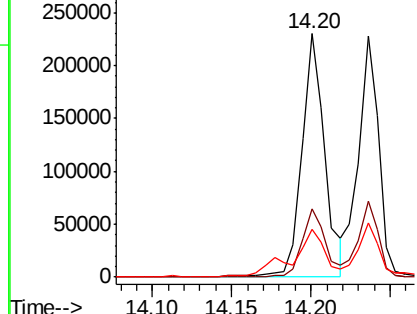
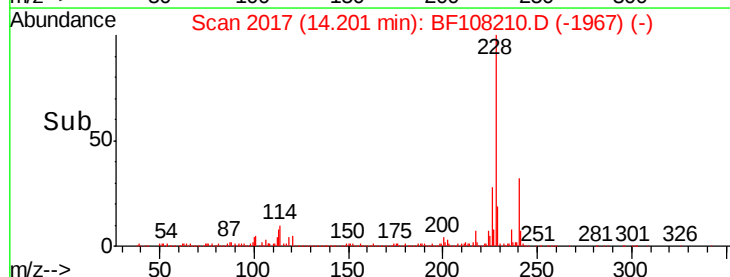
229 19.8 15.8 23.6

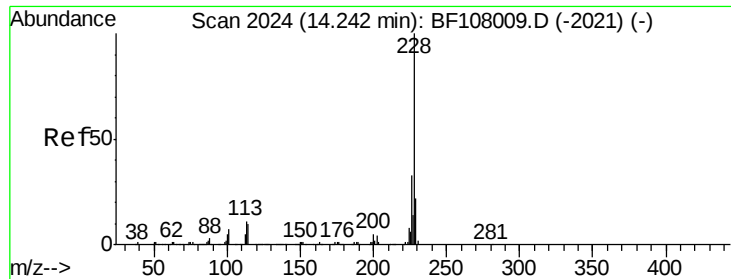


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 8.063 ng

RT: 14.24 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

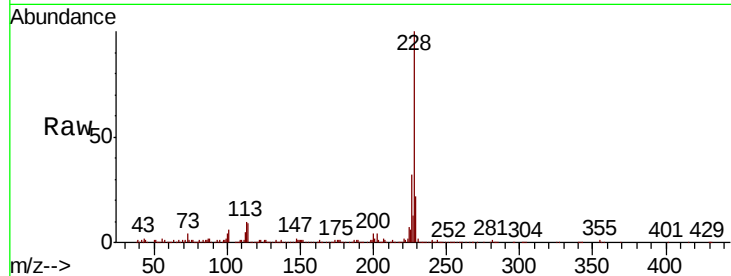
Tgt Ion:228 Resp: 202757

Ion Ratio Lower Upper

228 100

226 31.8 25.0 37.6

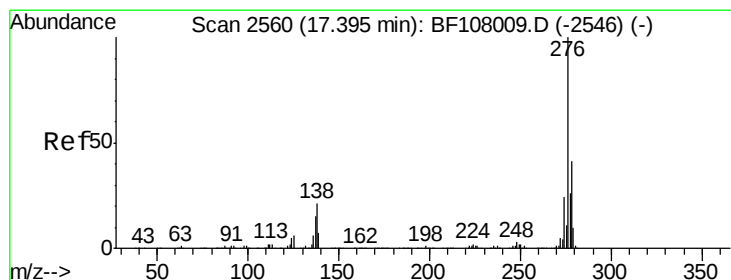
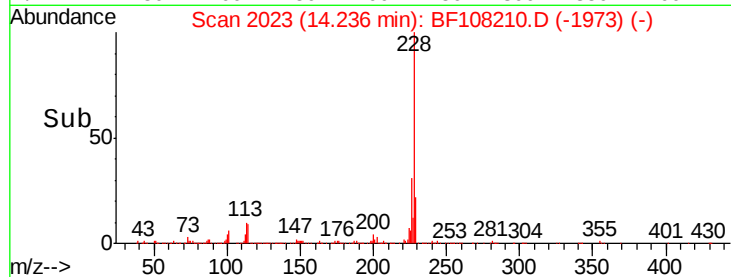
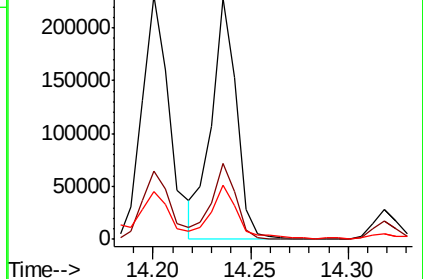
229 22.3 16.2 24.4



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: 3.134 ng

RT: 17.38 min Scan# 2558

Delta R.T. -0.01 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

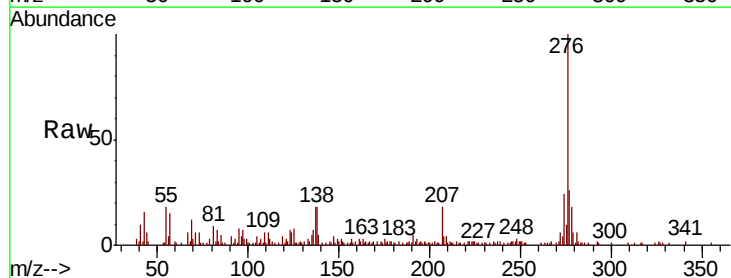
Tgt Ion:276 Resp: 68293

Ion Ratio Lower Upper

276 100

138 19.8 25.0 37.6#

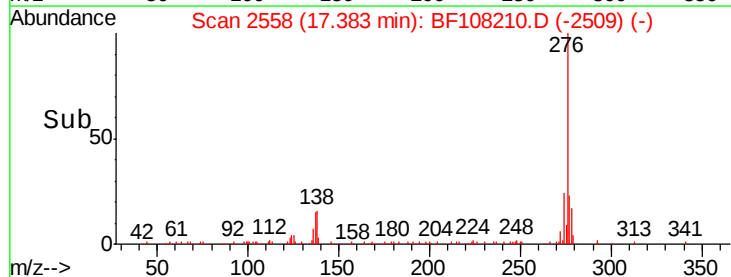
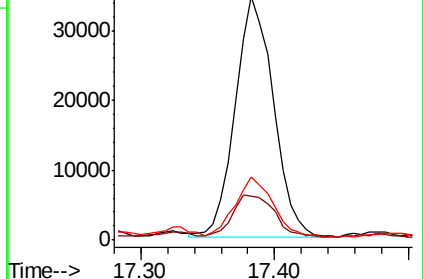
277 25.1 20.1 30.1

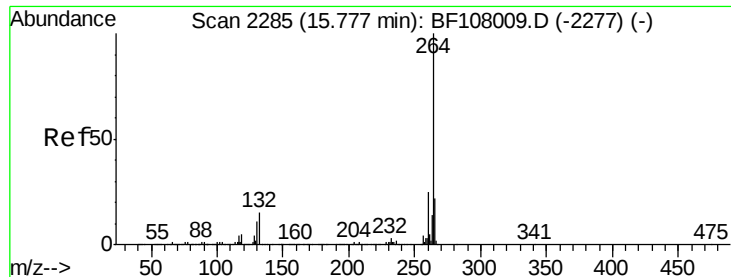


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



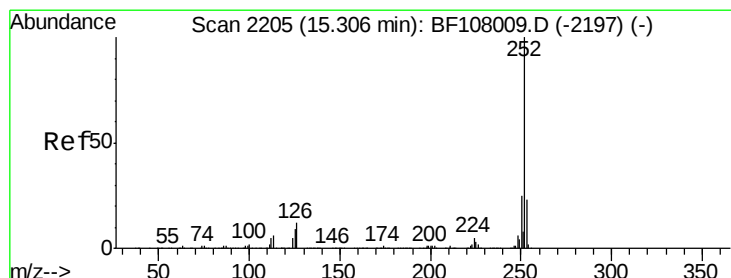
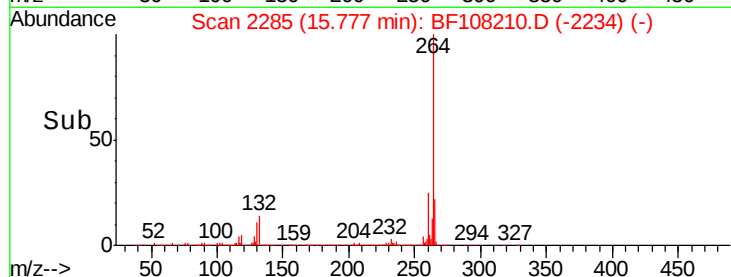
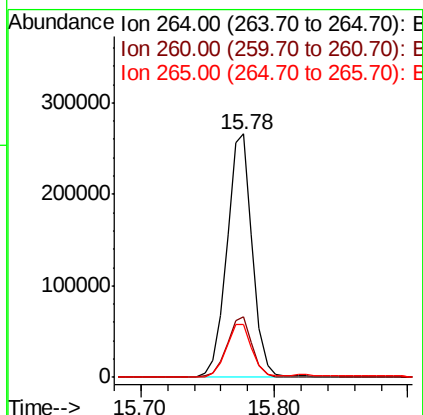
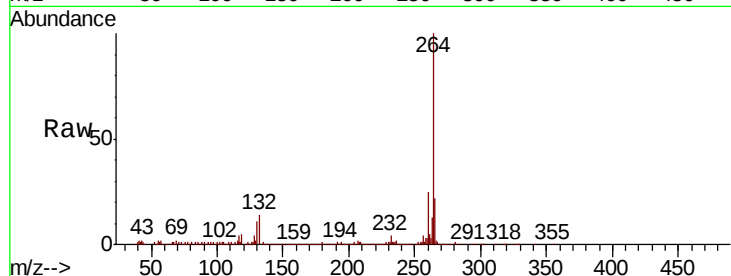


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2285
Delta R.T. -0.00 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

Tgt Ion: 264 Resp: 354079

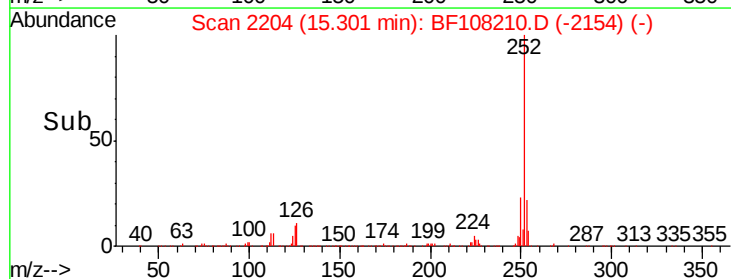
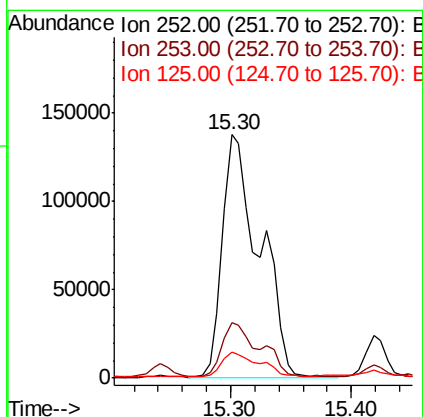
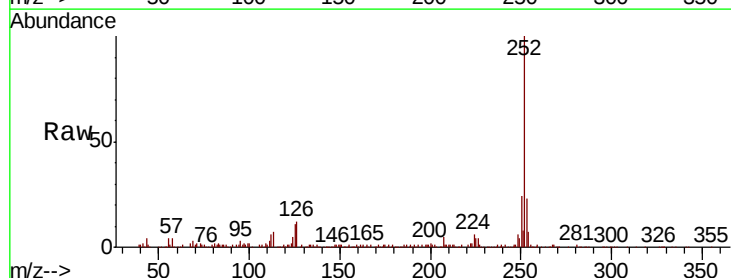
Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.8	17.5	26.3

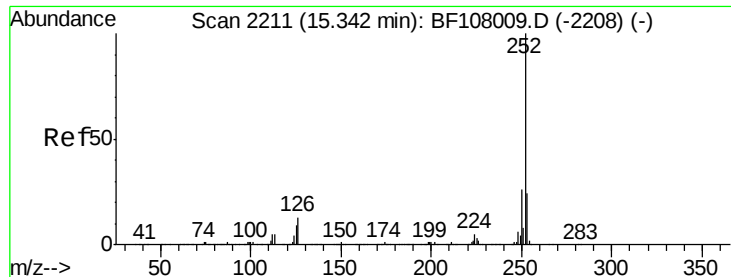


#87
Benzo(b)fluoranthene
Concen: 13.874 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion: 252 Resp: 293544

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	10.6	9.0	13.6

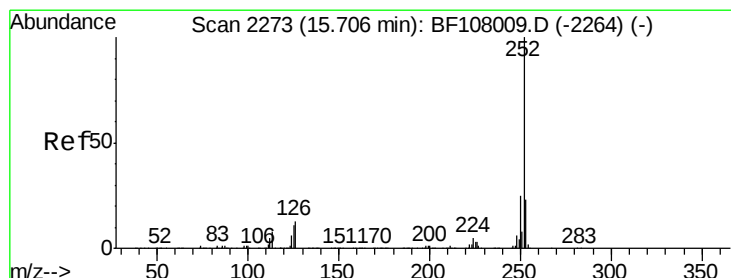
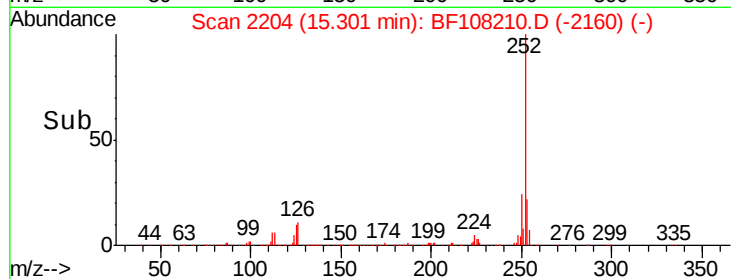
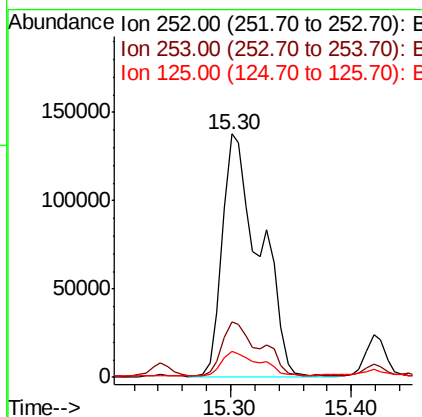
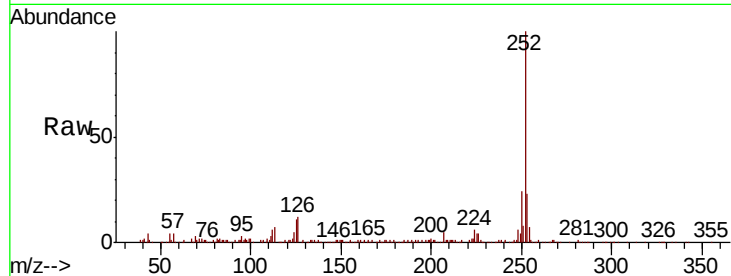




#88
Benzo(k)fluoranthene
Concen: 15.074 ng
RT: 15.30 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

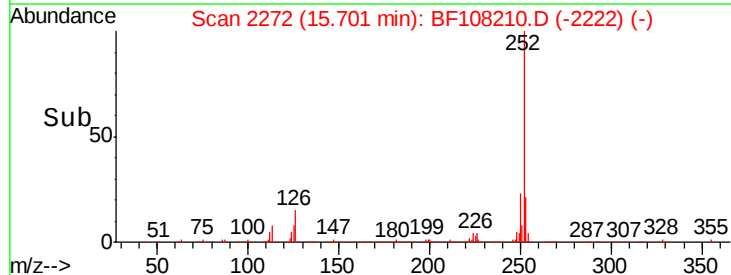
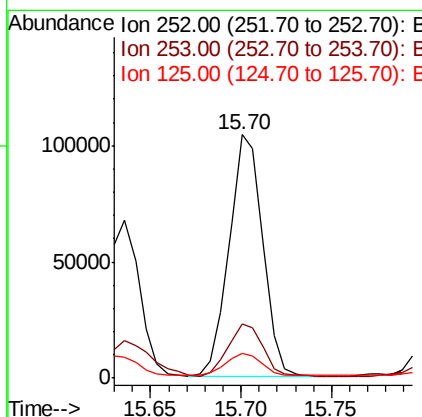
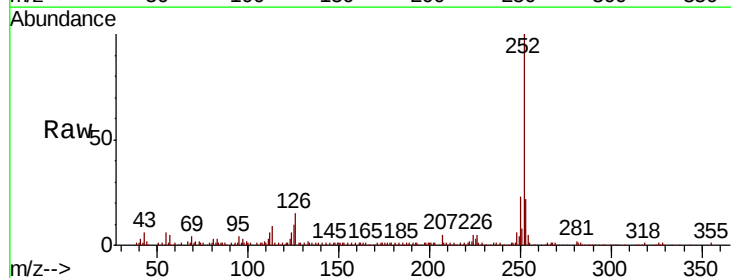
Instrument :
BNA_F
ClientSampleId :
LSB-05(0-1)

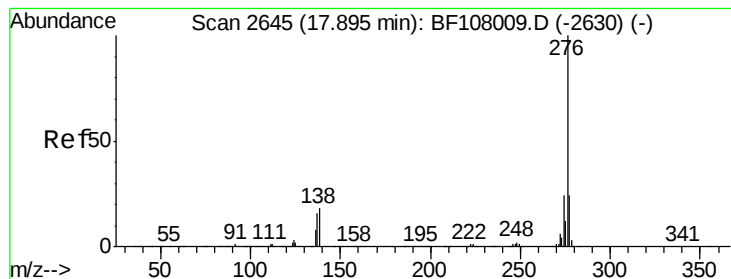
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	10.6	10.2	15.2



#89
Benzo(a)pyrene
Concen: 7.115 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF108210.D
Acq: 16 Aug 2018 22:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	10.2	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 4.075 ng

RT: 17.88 min Scan# 2642

Delta R.T. -0.02 min

Lab File: BF108210.D

Acq: 16 Aug 2018 22:13

Instrument :

BNA_F

ClientSampleId :

LSB-05(0-1)

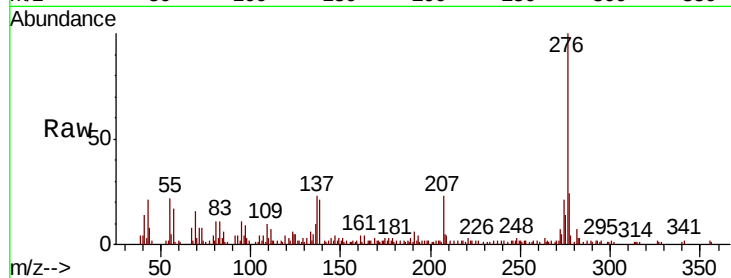
Tgt Ion: 276 Resp: 62896

Ion Ratio Lower Upper

276 100

277 23.7 17.9 26.9

138 21.1 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

