

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108099.D
 Acq On : 10 Aug 2018 22:14
 Operator : JU/SJ
 Sample : J4272-07 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

Quant Time: Aug 10 23:14:35 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

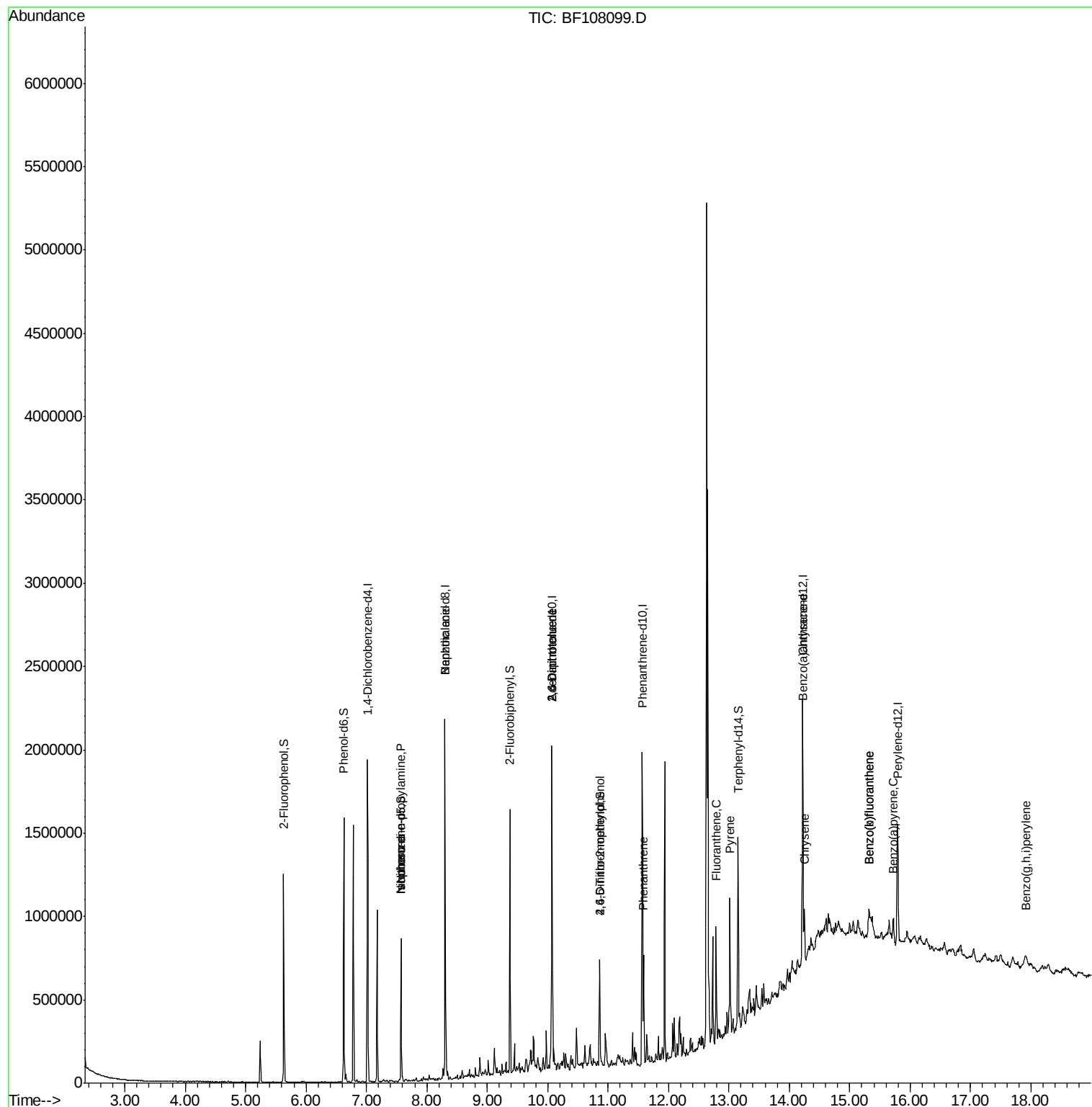
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	256415	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	913242	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	394473	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	650785	20.00	ng	0.00
75) Chrysene-d12	14.22	240	513871	20.00	ng	0.00
86) Perylene-d12	15.79	264	357200	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	313143	22.11	ng	0.00
7) Phenol-d6	6.62	99	422872	22.47	ng	0.00
23) Nitrobenzene-d5	7.58	82	246693	15.07	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	71496	18.17	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	433705	17.65	ng	0.00
78) Terphenyl-d14	13.15	244	361192	17.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	34627	2.721	ng	Qvalue 81
25) Isophorone	7.58	82	246687	7.908	ng	# 64
32) Benzoic acid	8.30	122	127	5.988	ng	# 1
50) 2,6-Dinitrotoluene	10.07	165	53196	9.253	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	53196	7.189	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	314	5.473	ng	# 1
70) Phenanthrene	11.59	178	216146	7.042	ng	99
74) Fluoranthene	12.79	202	260168	7.766	ng	94
77) Pyrene	13.02	202	325147	9.994	ng	100
80) Benzo(a)anthracene	14.21	228	136167	4.617	ng	96
82) Chrysene	14.25	228	116327	4.302	ng	97
87) Benzo(b)fluoranthene	15.32	252	115384	5.406	ng	# 90
88) Benzo(k)fluoranthene	15.32	252	115384	5.881	ng	# 93
89) Benzo(a)pyrene	15.72	252	69446	3.633	ng	# 88
91) Benzo(g,h,i)perylene	17.91	276	35556	2.283	ng	# 87

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

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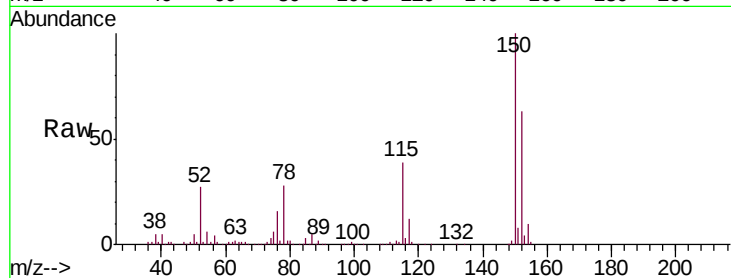


#1

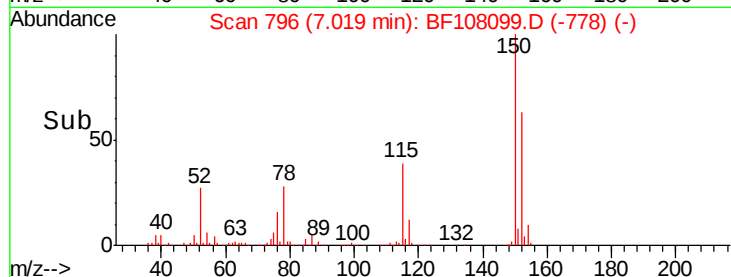
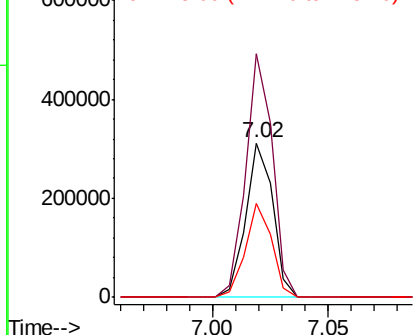
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Instrument :
BNA_F
ClientSampleId :
JC-03-080918-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	61.1	50.1	75.1



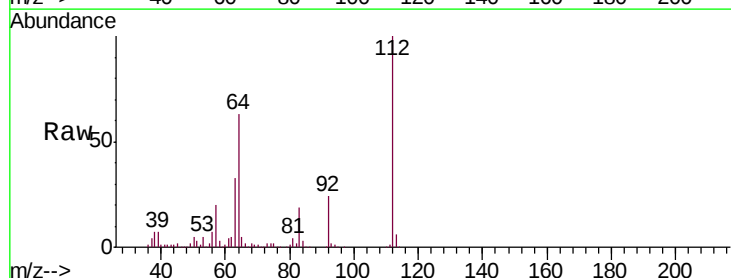
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



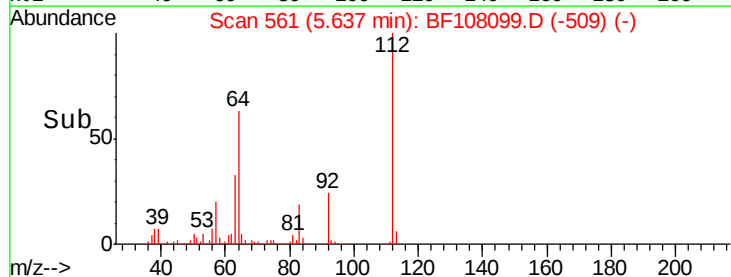
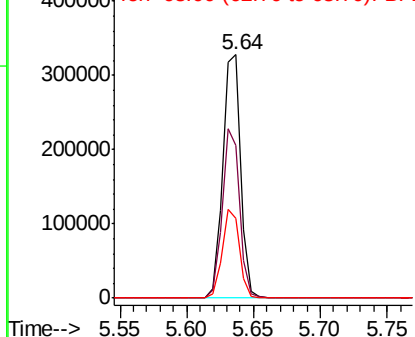
#5

2-Fluorophenol
Concen: 22.110 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	47.9	71.9
63	32.5	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: 22.468 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

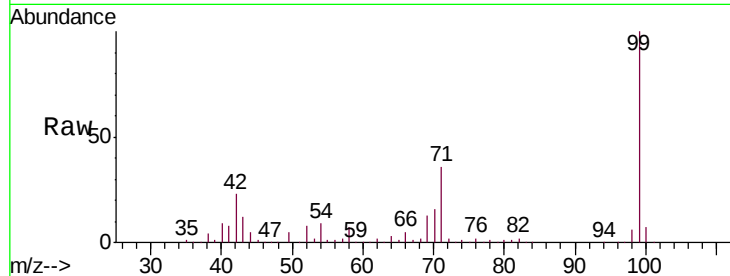
Tgt Ion: 99 Resp: 422872

Ion Ratio Lower Upper

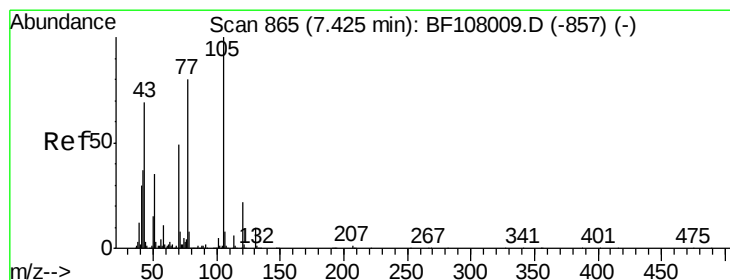
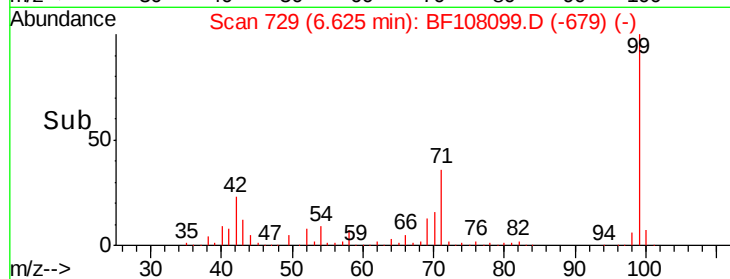
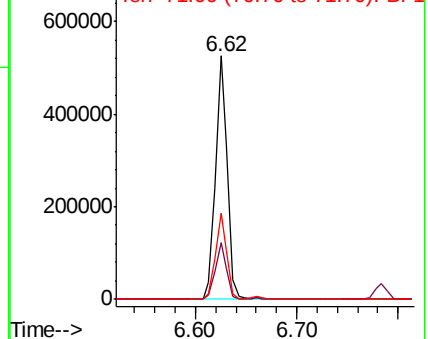
99 100

42 23.3 14.5 21.7#

71 35.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 2.721 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Tgt Ion: 70 Resp: 34627

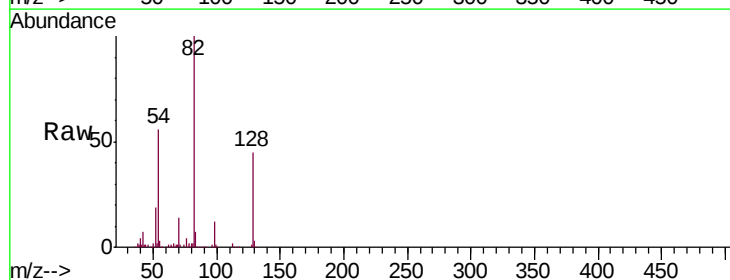
Ion Ratio Lower Upper

70 100

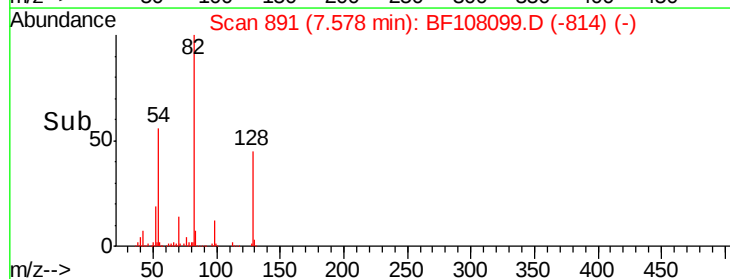
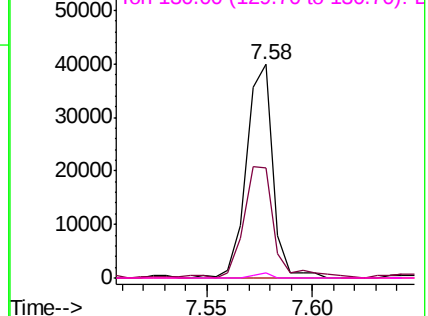
42 51.5 47.5 71.3

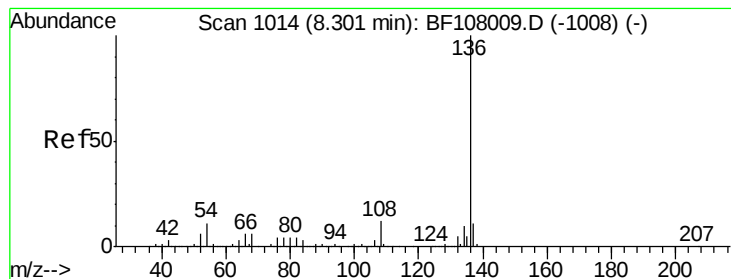
101 0.0 7.4 11.2#

130 2.5 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: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

Tgt Ion: 136 Resp: 913242

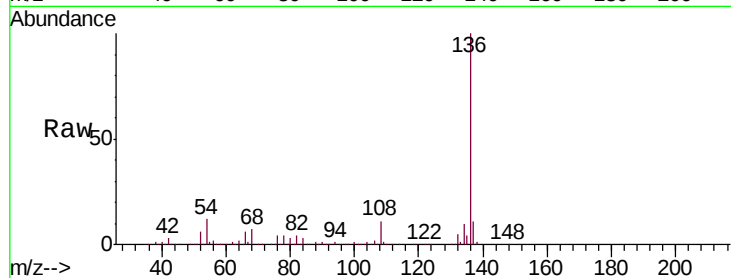
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 11.5 6.6 9.8#

68 6.8 5.0 7.4

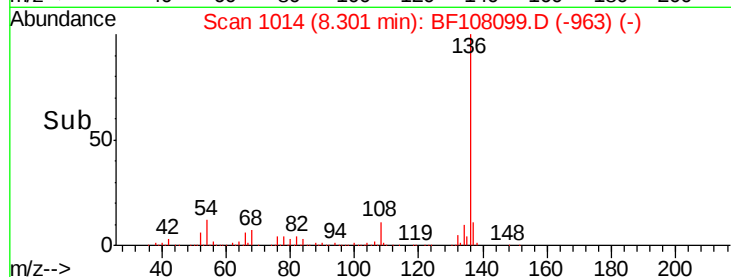


Abundance Ion 136.00 (135.70 to 136.70): E

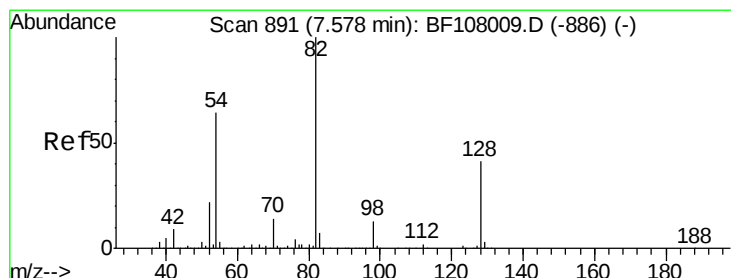
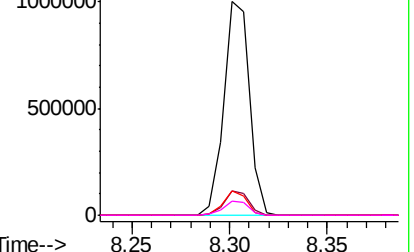
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 15.074 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

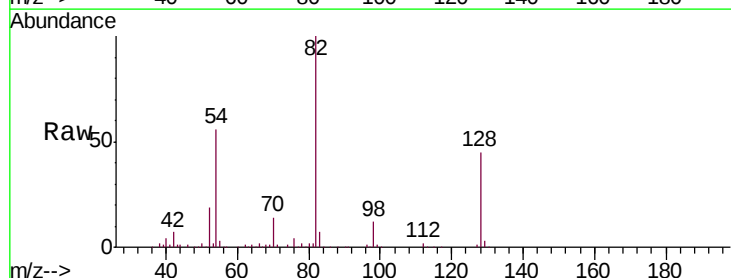
Tgt Ion: 82 Resp: 246693

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

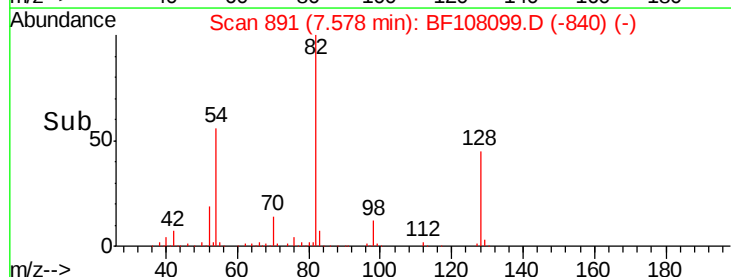
54 55.7 41.4 62.2



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



Time-->





#25

Isophorone

Concen: 7.908 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

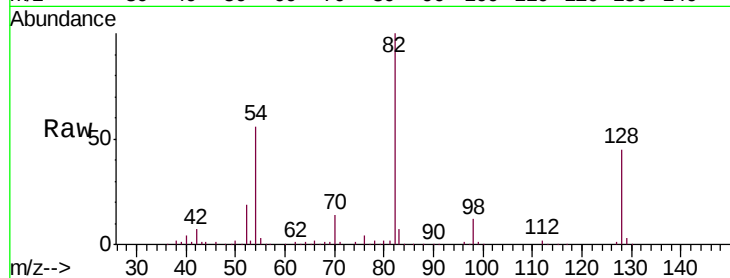
Tgt Ion: 82 Resp: 246687

Ion Ratio Lower Upper

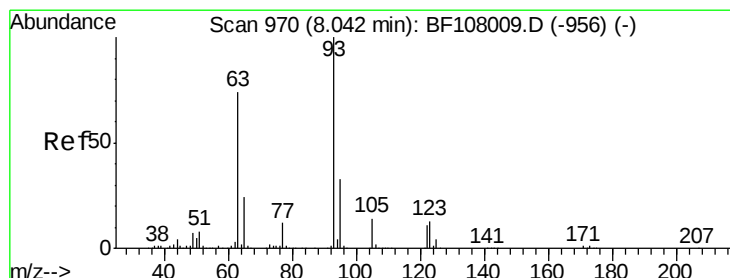
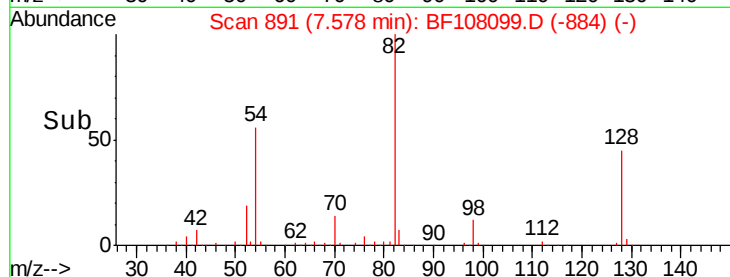
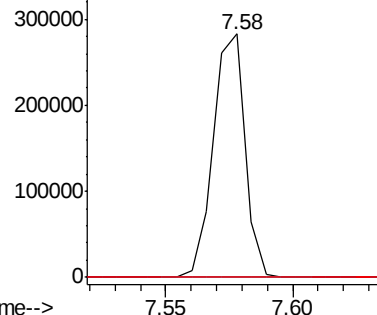
82 100

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



#32

Benzoic acid

Concen: 5.988 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.26 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

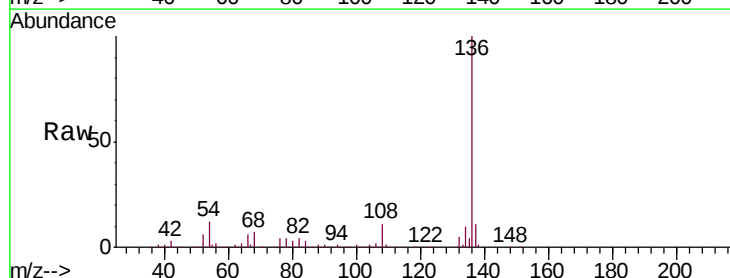
Tgt Ion: 122 Resp: 127

Ion Ratio Lower Upper

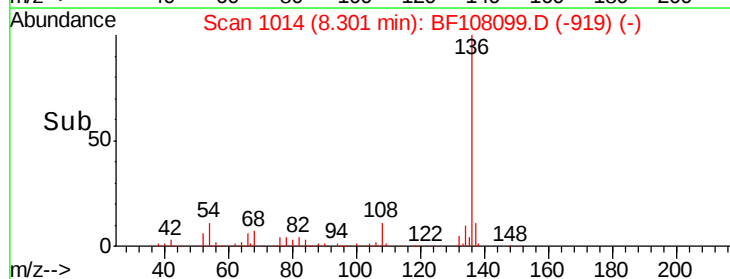
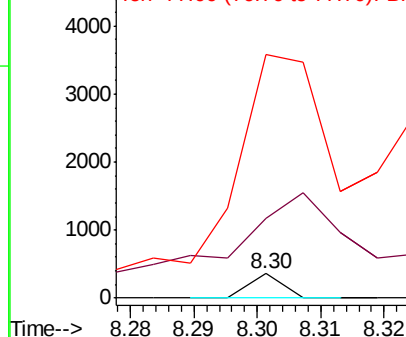
122 100

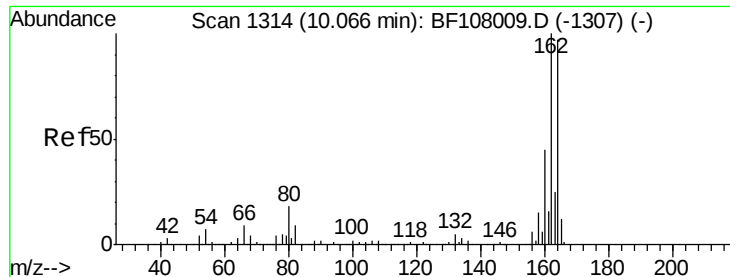
105 326.5 101.1 141.1#

77 996.9 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

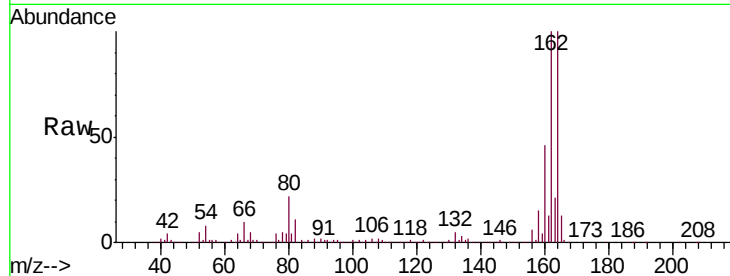




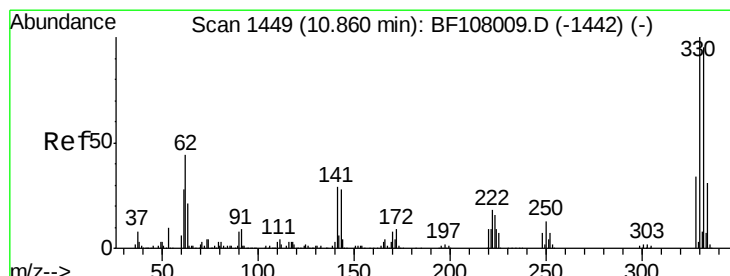
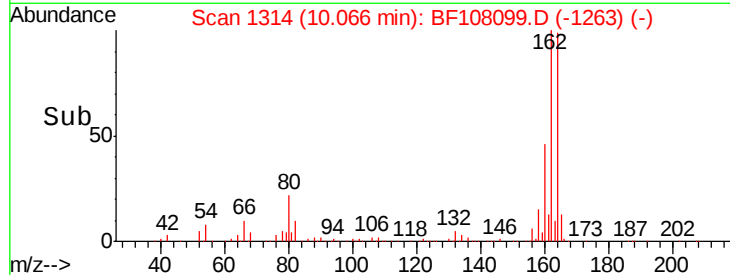
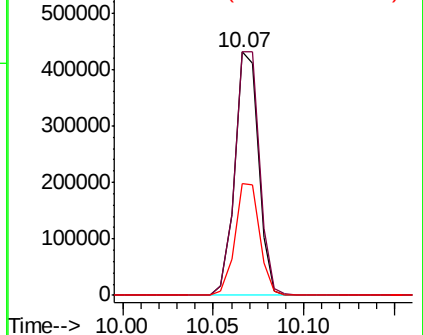
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

Tgt Ion:164 Resp: 394473
 Ion Ratio Lower Upper
 164 100
 162 100.0 86.1 129.1
 160 46.0 38.3 57.5

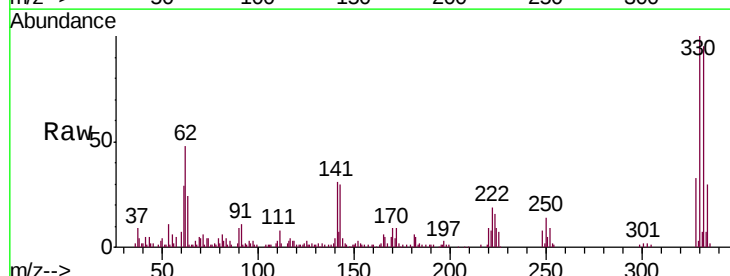


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

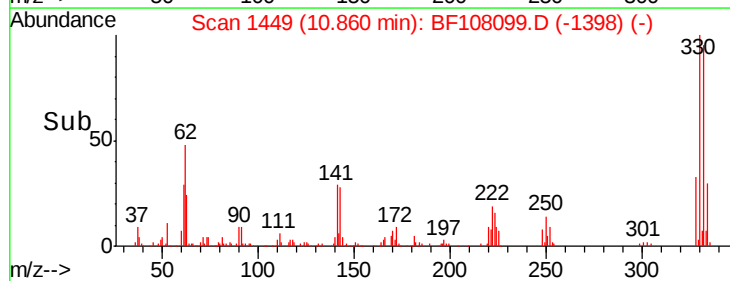
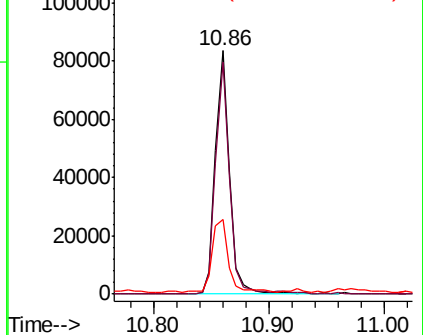


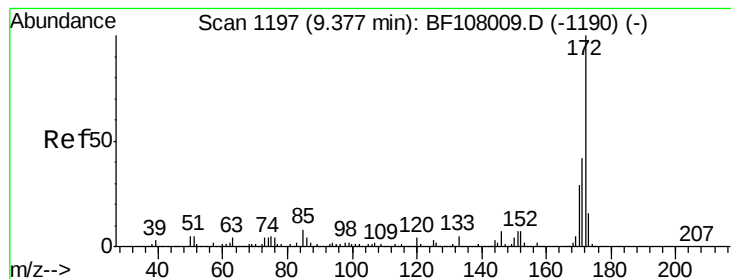
#41
 2,4,6-Tribromophenol
 Concen: 18.170 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Tgt Ion:330 Resp: 71496
 Ion Ratio Lower Upper
 330 100
 332 94.4 77.0 115.6
 141 32.8 29.9 44.9



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





#44

2-Fluorobiphenyl

Concen: 17.651 ng

RT: 9.38 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

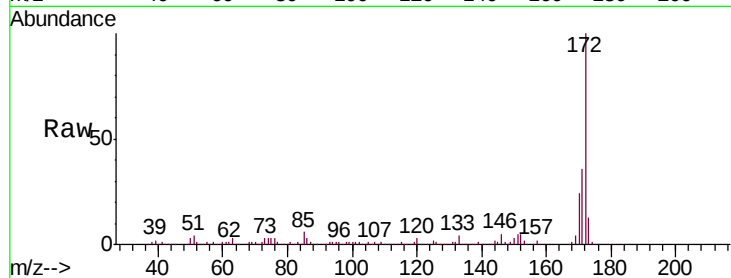
Tgt Ion:172 Resp: 433705

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

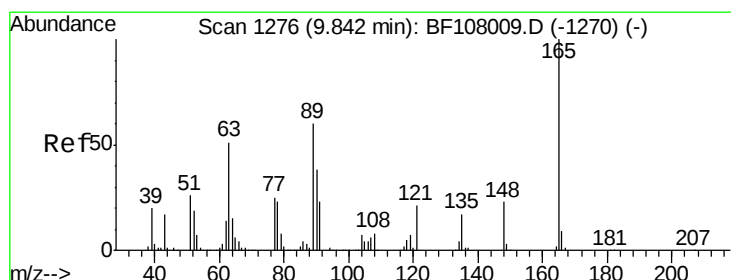
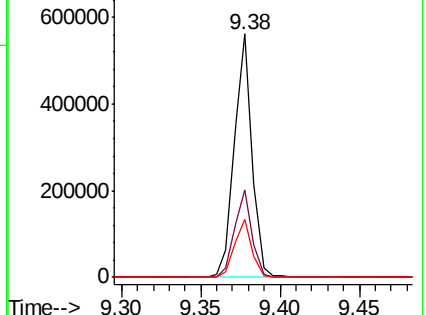
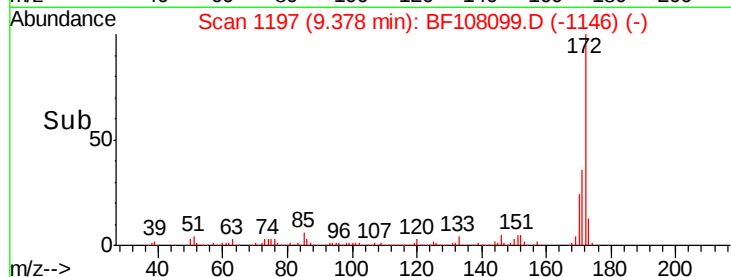
170 23.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

2,6-Dinitrotoluene

Concen: 9.253 ng

RT: 10.07 min Scan# 1314

Delta R.T. 0.22 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

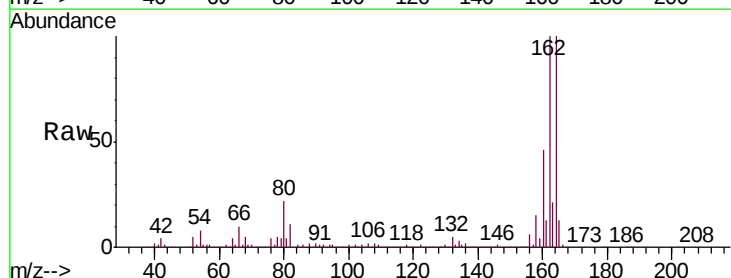
Tgt Ion:165 Resp: 53196

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

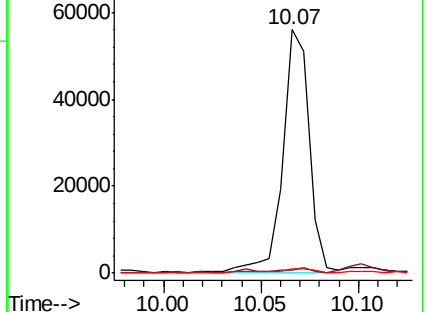
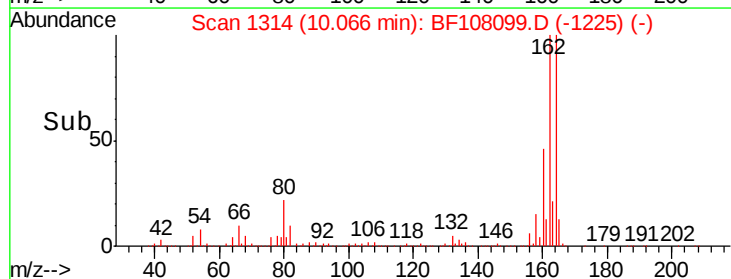
89 1.9 44.0 66.0#

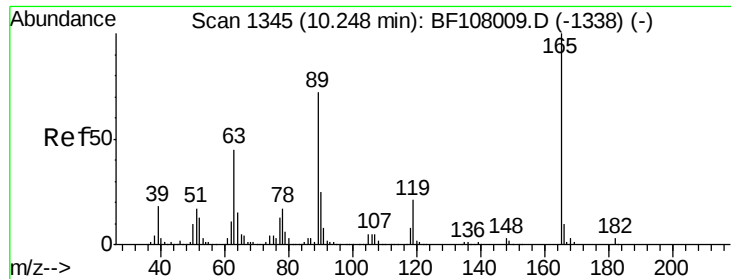


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

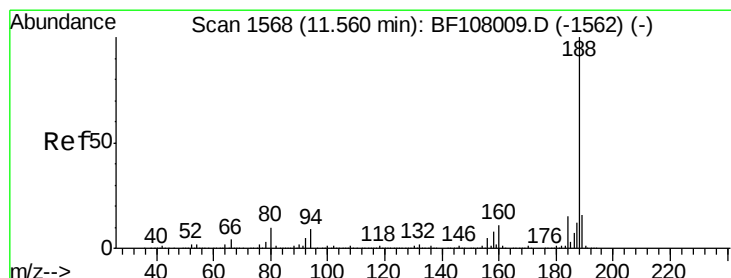
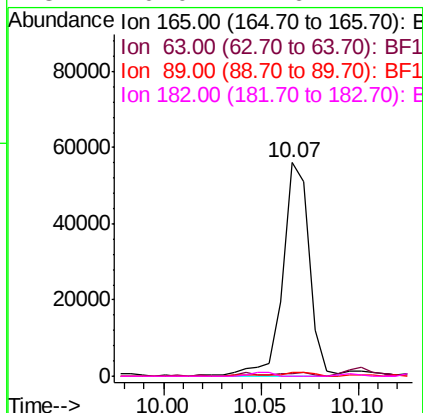
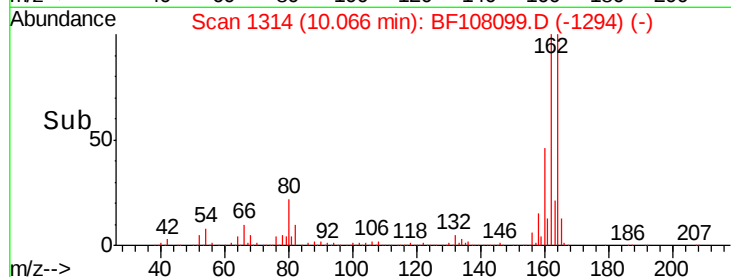
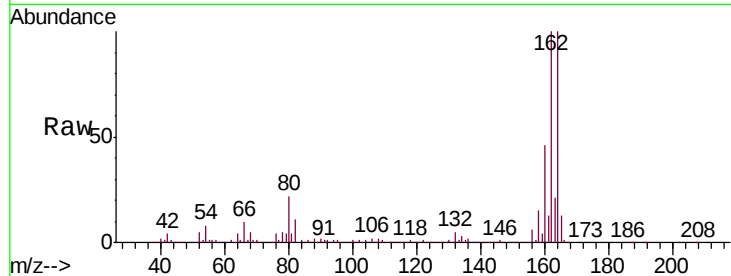




#56
 2,4-Dinitrotoluene
 Concen: 7.189 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

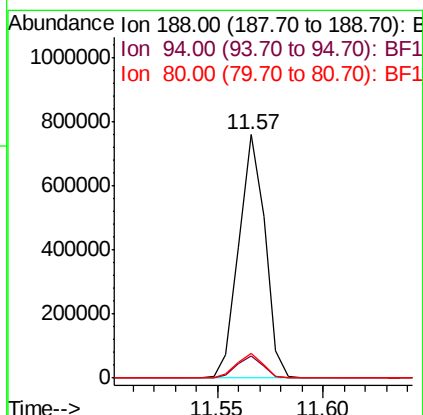
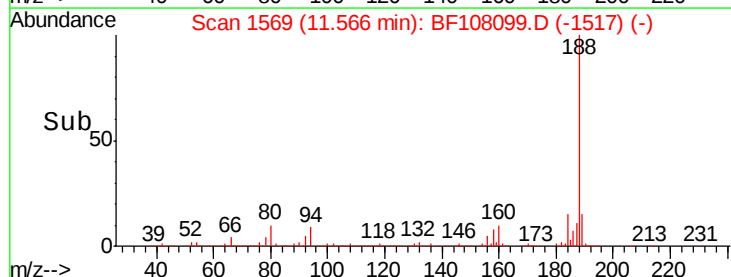
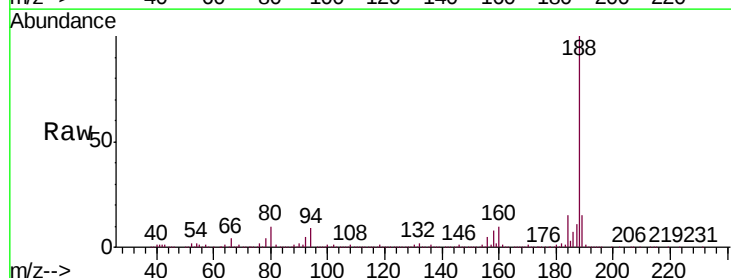
Instrument :
 BNA_F
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.4	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 5.473 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.21 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

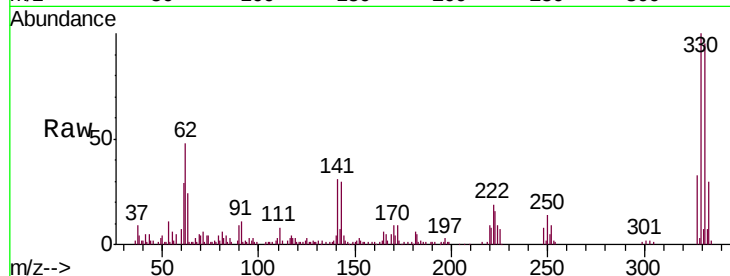
Tgt Ion:198 Resp: 314

Ion Ratio Lower Upper

198 100

51 167.2 37.7 77.7#

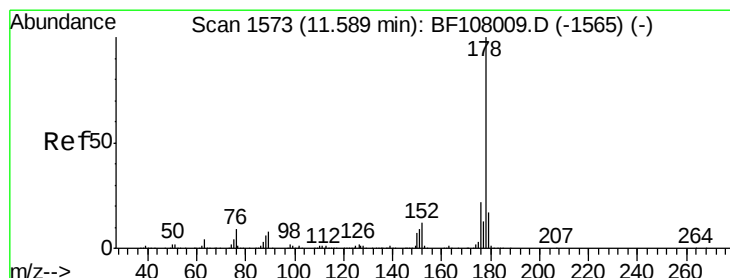
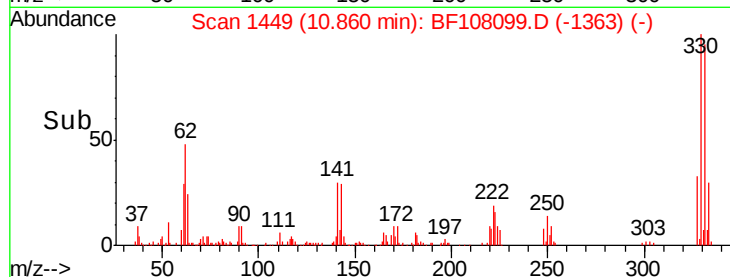
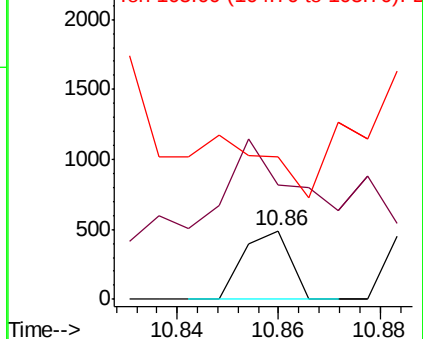
105 208.2 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 7.042 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

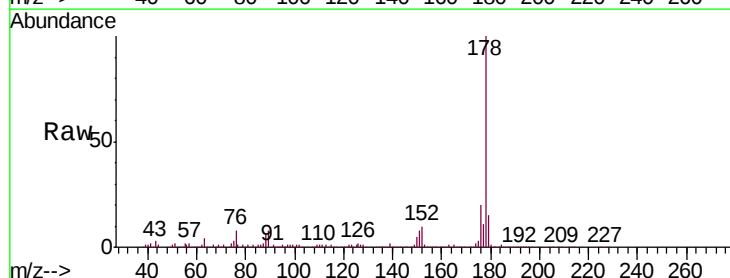
Tgt Ion:178 Resp: 216146

Ion Ratio Lower Upper

178 100

176 19.9 15.8 23.8

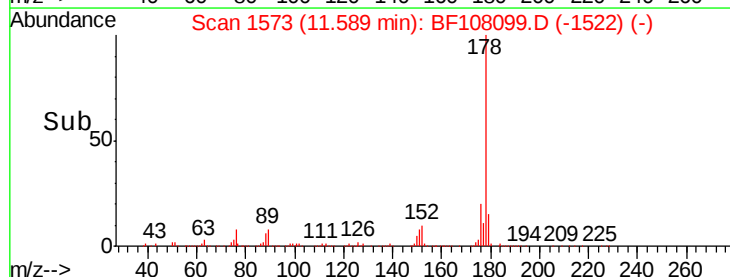
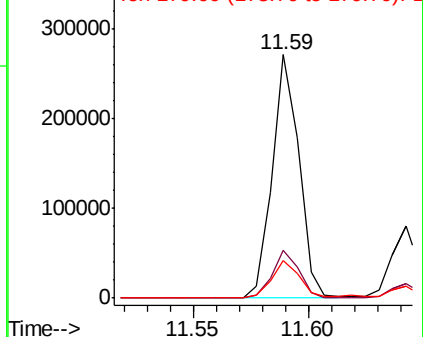
179 15.4 13.0 19.6

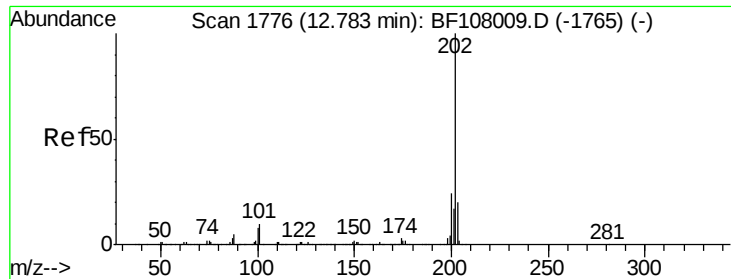


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

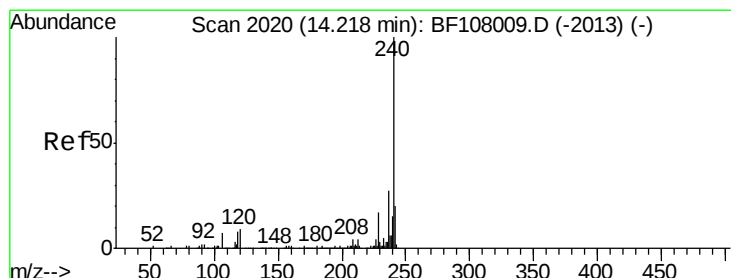
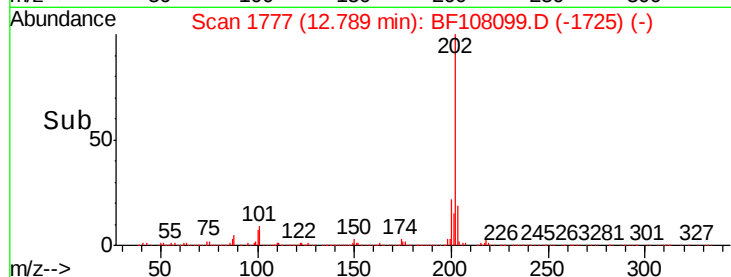
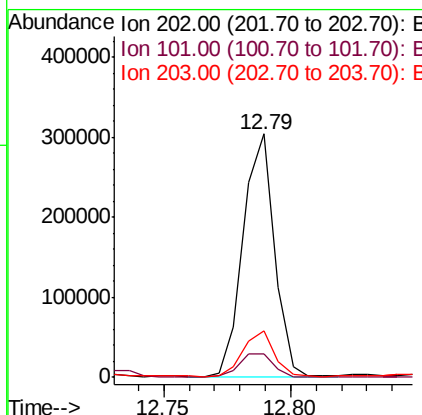
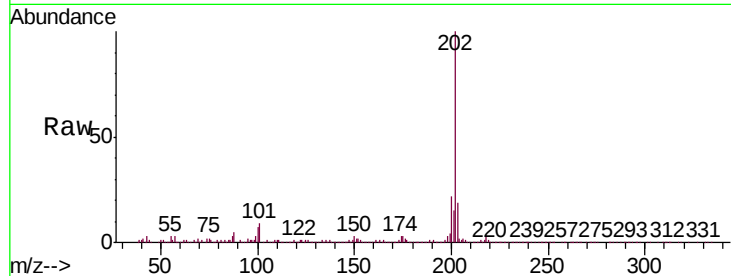




#74
 Fluoranthene
 Concen: 7.766 ng
 RT: 12.79 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

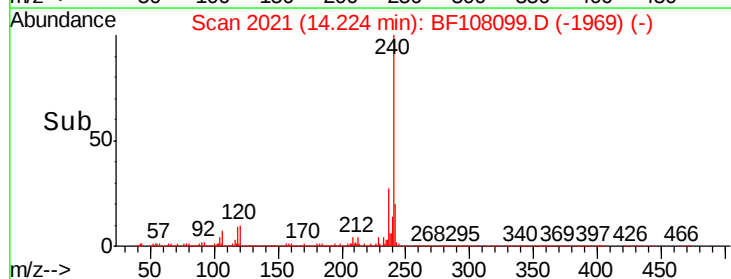
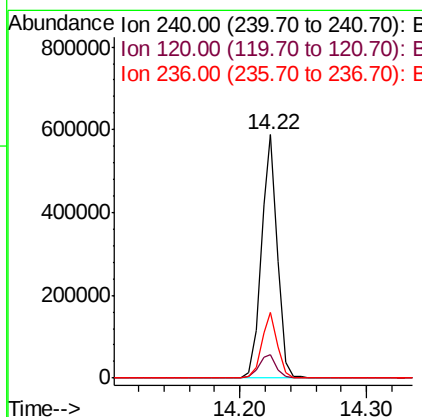
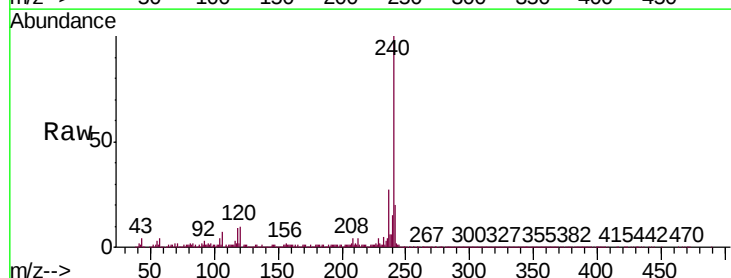
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

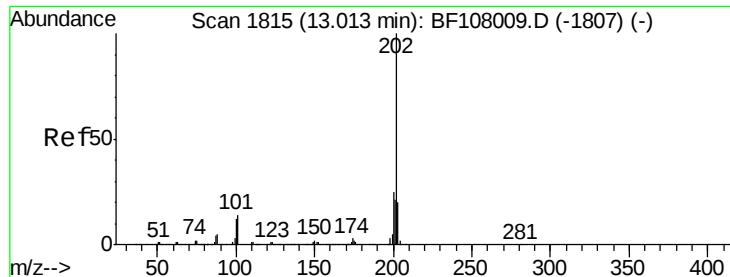
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	260168		
101	9.4	0.0	34.1	
203	18.8	0.0	38.1	



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.22 min Scan# 2021
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	513871		
120	9.7	9.5	14.3	
236	26.9	20.7	31.1	

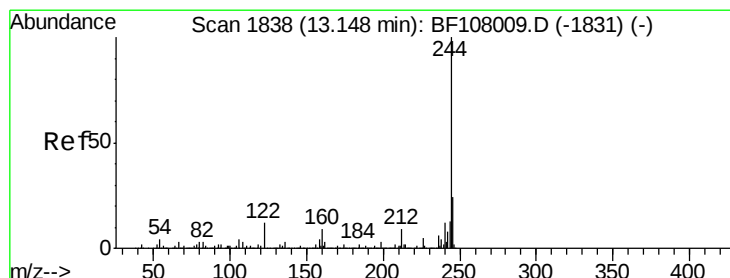
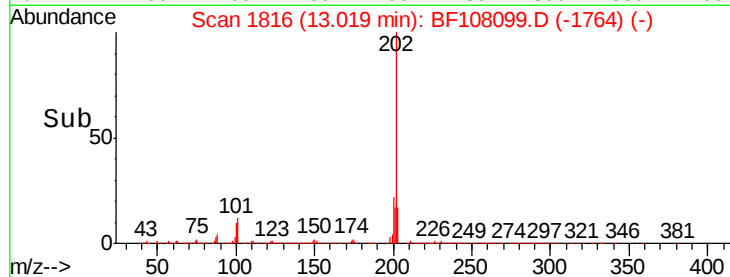
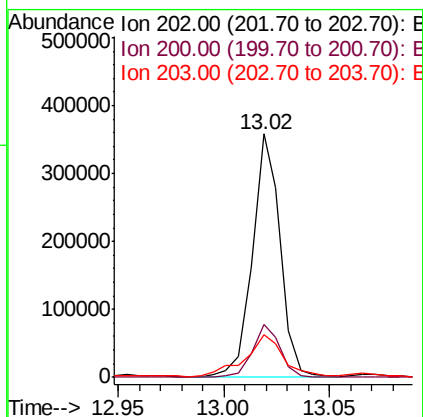
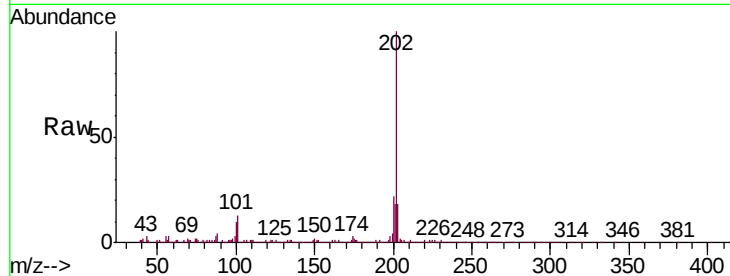




#77
 Pyrene
 Concen: 9.994 ng
 RT: 13.02 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

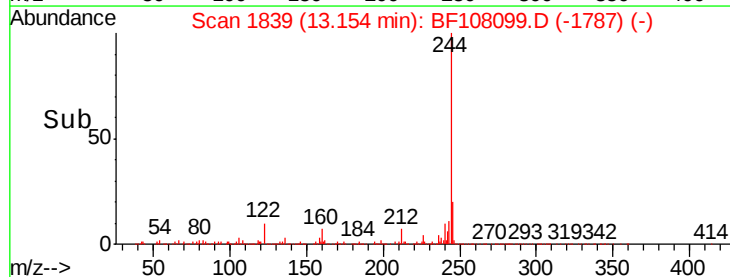
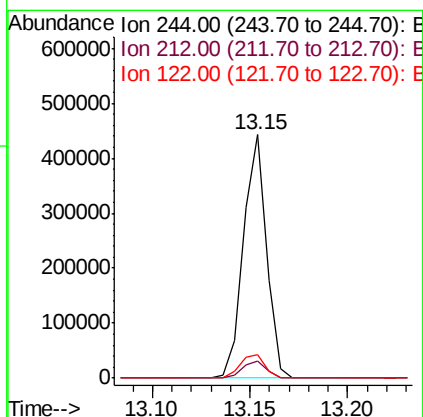
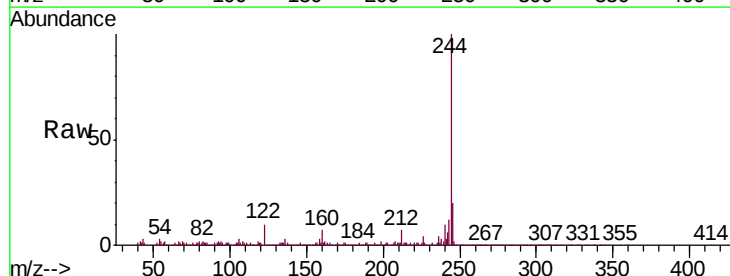
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-D

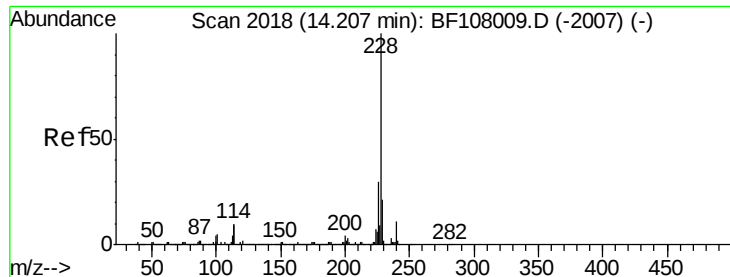
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	17.7	14.3	21.5



#78
 Terphenyl-d14
 Concen: 17.871 ng
 RT: 13.15 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF108099.D
 Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.7	11.0	16.4





#80

Benzo(a)anthracene

Concen: 4.617 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

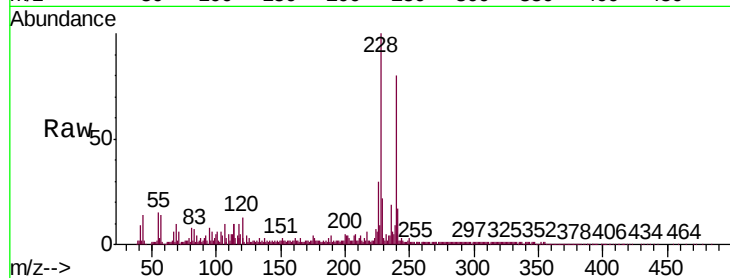
Tgt Ion:228 Resp: 136167

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

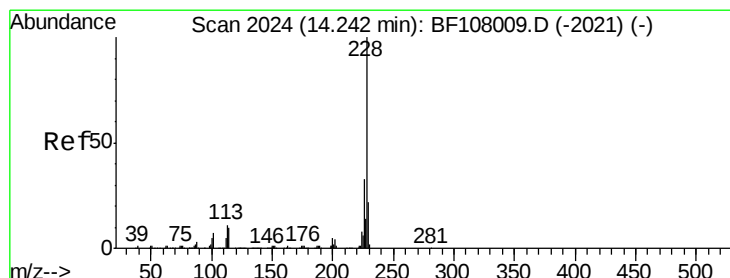
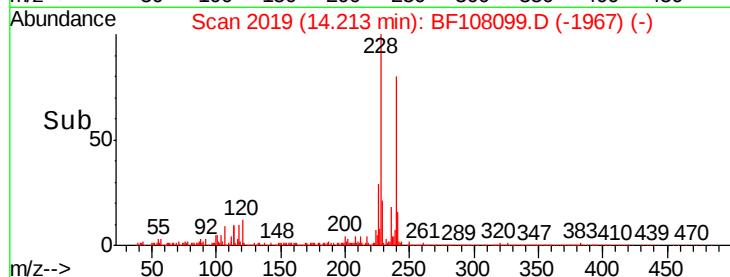
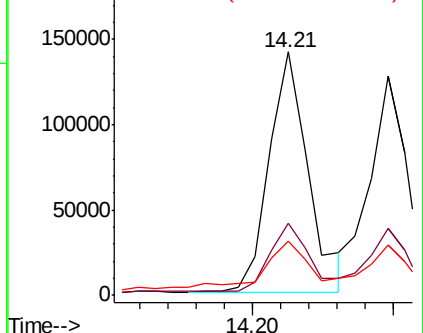
229 22.5 15.8 23.6



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: 4.302 ng

RT: 14.25 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

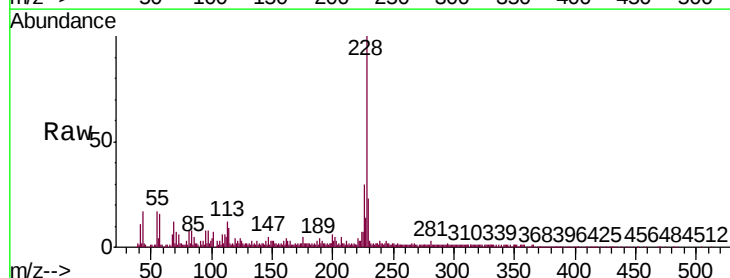
Tgt Ion:228 Resp: 116327

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

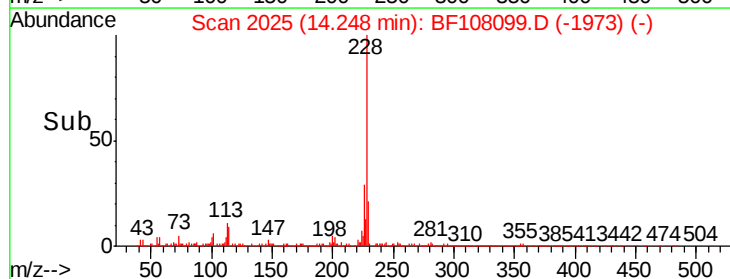
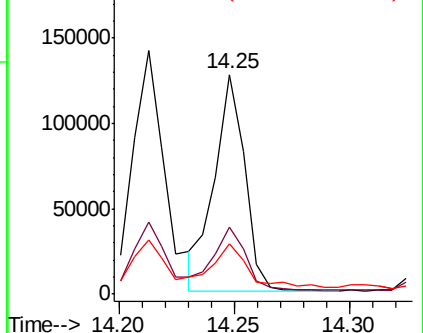
229 23.0 16.2 24.4

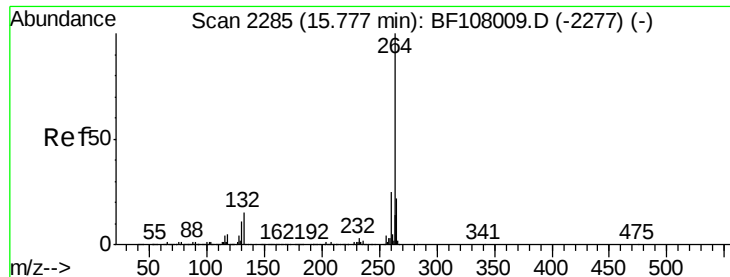


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

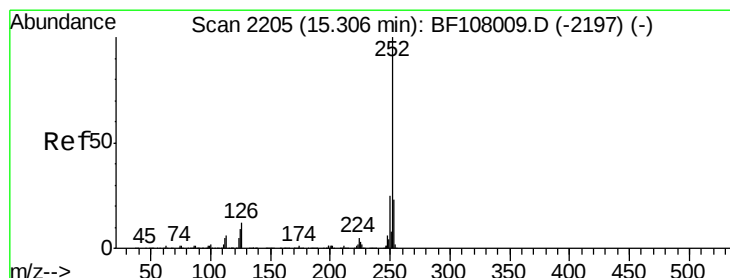
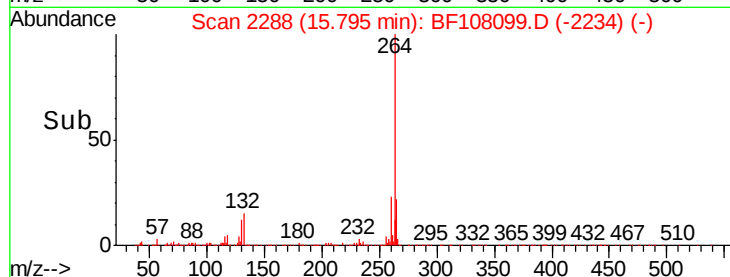
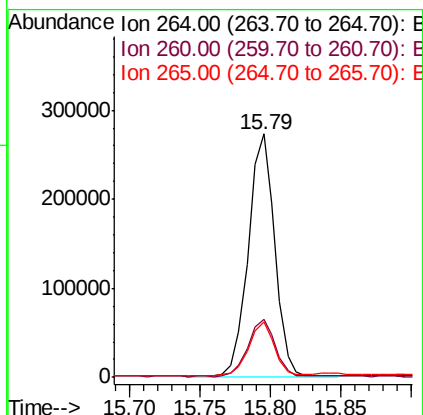
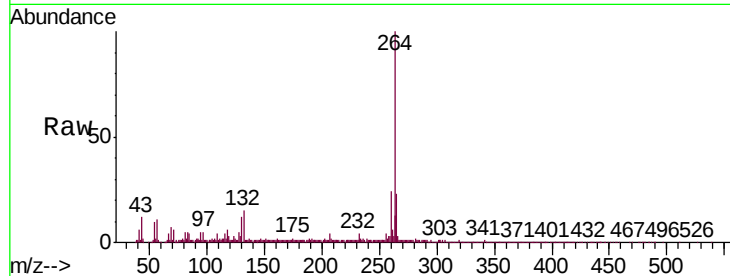




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

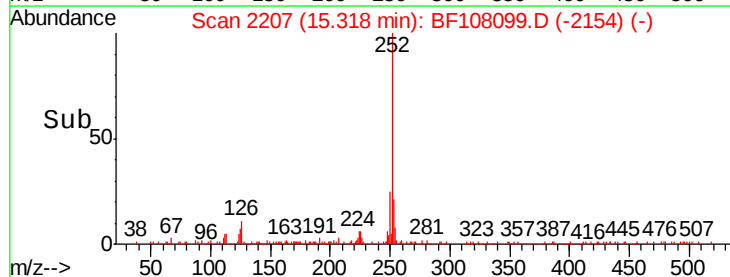
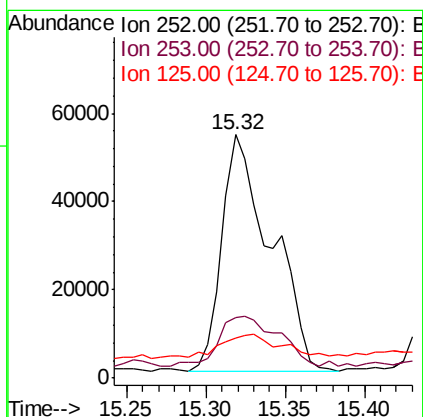
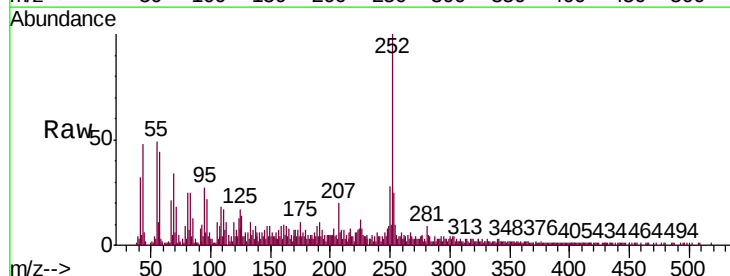
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-D

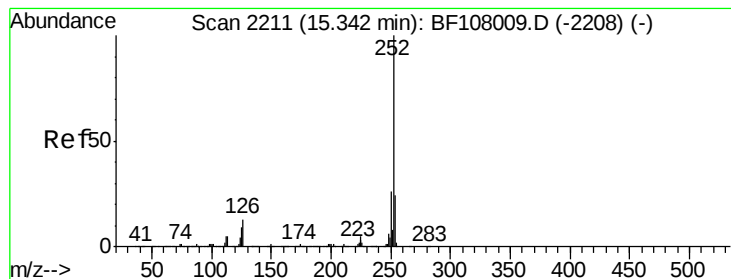
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.6	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 5.406 ng
RT: 15.32 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF108099.D
Acq: 10 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	16.7	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 5.881 ng

RT: 15.32 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

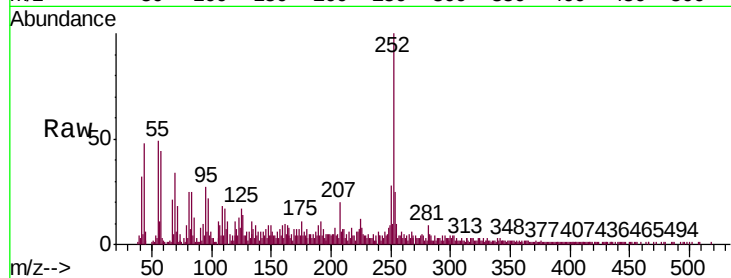
Tgt Ion:252 Resp: 115384

Ion Ratio Lower Upper

252 100

253 24.7 17.9 26.9

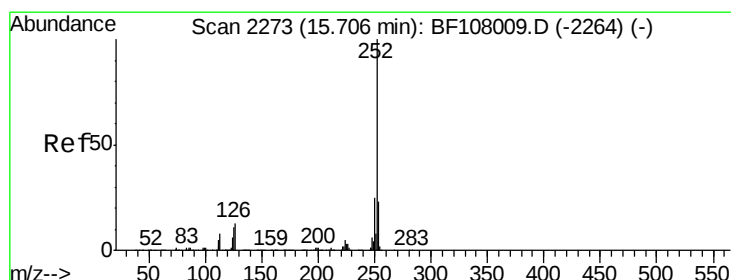
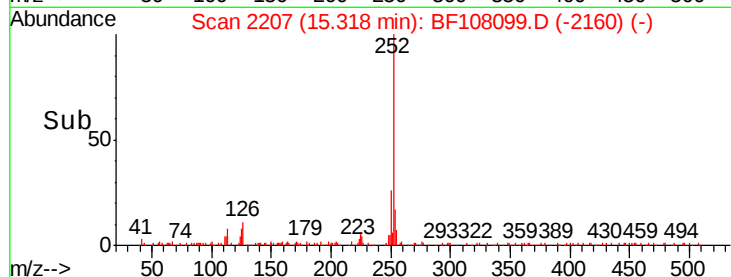
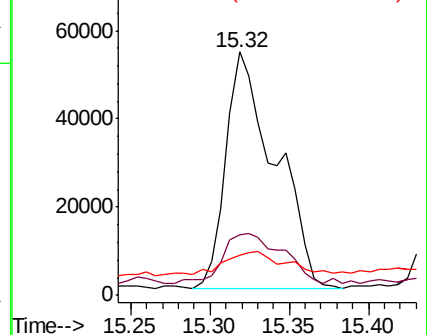
125 16.7 10.2 15.2#



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(a)pyrene

Concen: 3.633 ng

RT: 15.72 min Scan# 2276

Delta R.T. 0.02 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

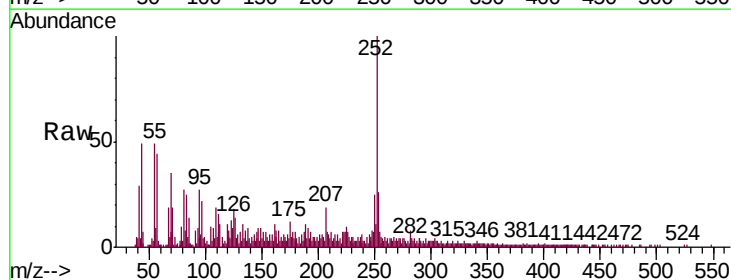
Tgt Ion:252 Resp: 69446

Ion Ratio Lower Upper

252 100

253 26.4 17.1 25.7#

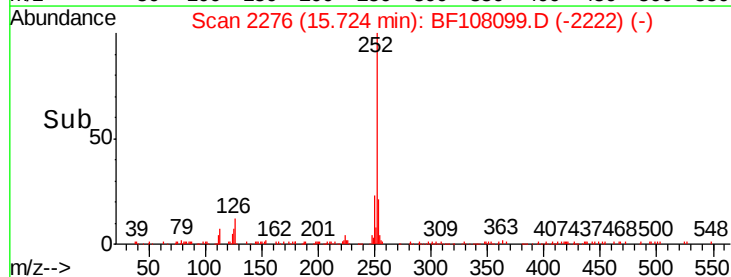
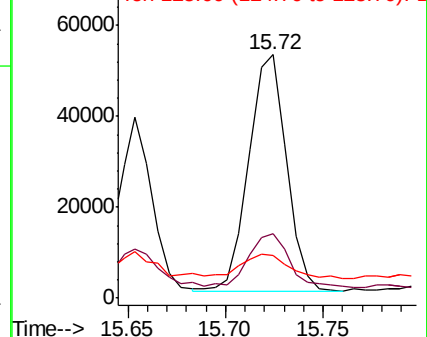
125 17.7 9.8 14.6#

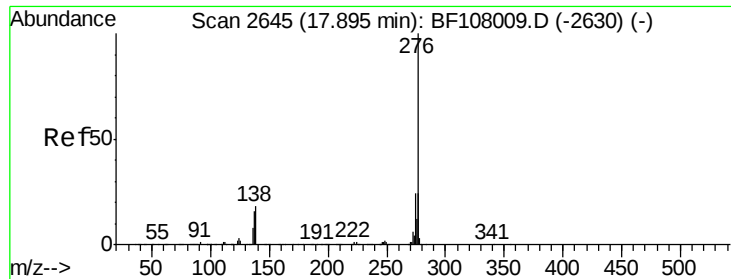


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.283 ng

RT: 17.91 min Scan# 2648

Delta R.T. 0.02 min

Lab File: BF108099.D

Acq: 10 Aug 2018 22:14

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-D

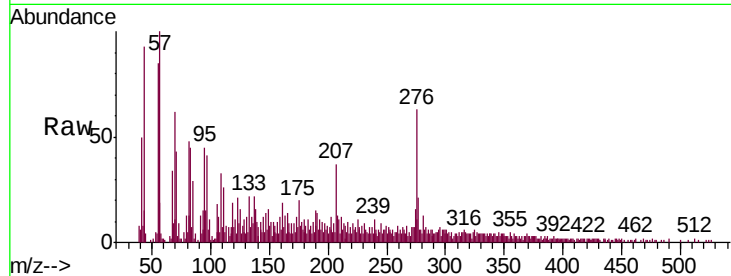
Tgt Ion: 276 Resp: 35556

Ion Ratio Lower Upper

276 100

277 33.9 17.9 26.9#

138 24.7 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

