

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108096.D
 Acq On : 10 Aug 2018 20:51
 Operator : JU/SJ
 Sample : J4272-15 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 10 23:13:46 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	285882	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1026795	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	429049	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	708702	20.00	ng	0.00
75) Chrysene-d12	14.22	240	583414	20.00	ng	0.00
86) Perylene-d12	15.79	264	391894	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	784435	49.68	ng	0.00
7) Phenol-d6	6.63	99	1045690	49.83	ng	0.00
23) Nitrobenzene-d5	7.58	82	647999	35.22	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	192660	45.02	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1139443	42.64	ng	0.00
78) Terphenyl-d14	13.15	244	989295	43.11	ng	0.00

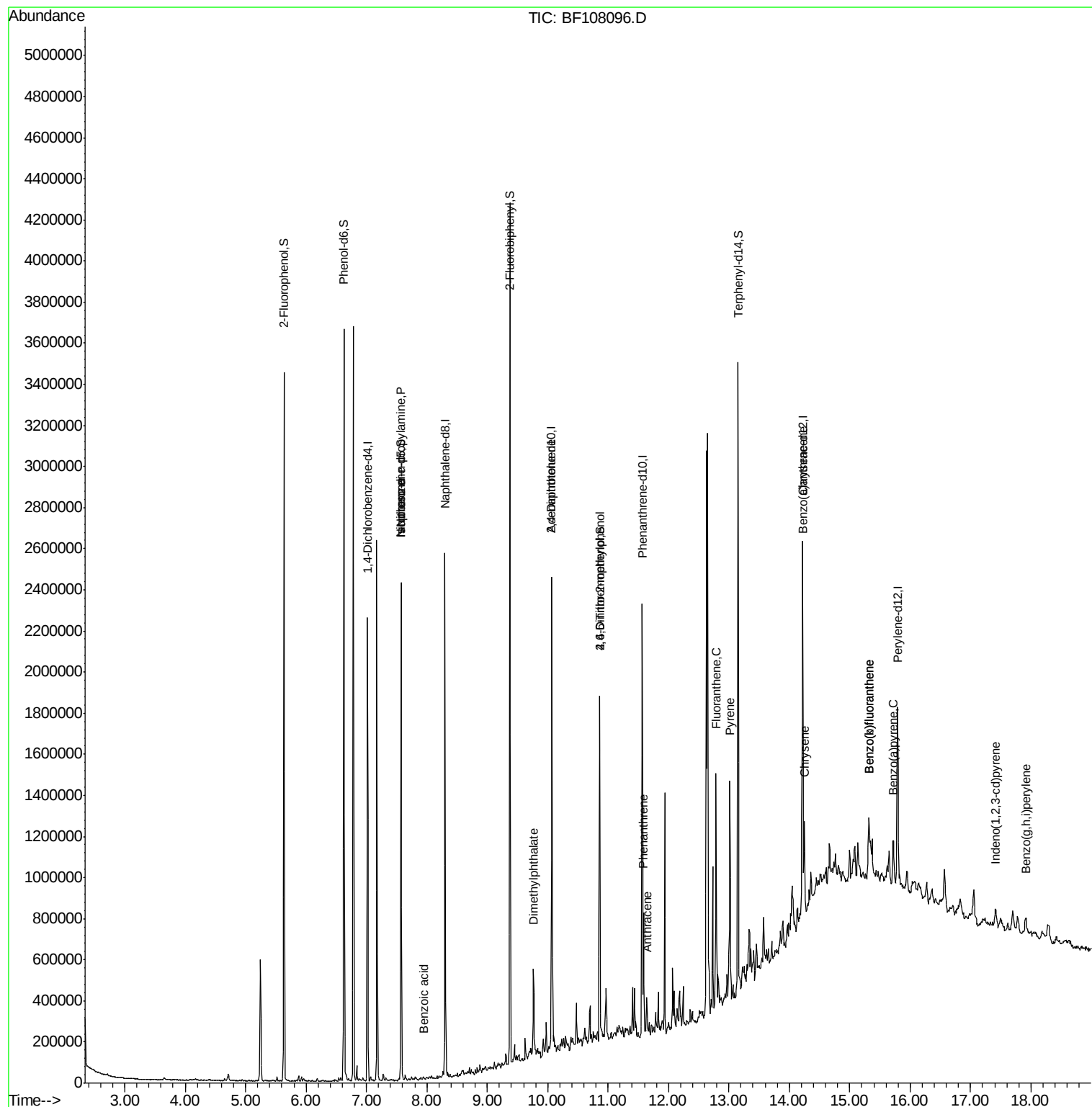
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	87927	6.196	ng	# 84
25) Isophorone	7.58	82	647989	18.476	ng	# 64
32) Benzoic acid	7.96	122	116	5.986	ng	# 84
49) Dimethylphthalate	9.77	163	107584	3.600	ng	# 99
56) 2,4-Dinitrotoluene	10.07	165	58840	7.310	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.86	198	544	5.540	ng	# 1
70) Phenanthrene	11.59	178	193477	5.788	ng	98
71) Anthracene	11.64	178	71206	2.078	ng	98
74) Fluoranthene	12.79	202	450297	12.343	ng	93
77) Pyrene	13.02	202	421148	11.402	ng	100
80) Benzo(a)anthracene	14.21	228	212990	6.361	ng	96
82) Chrysene	14.25	228	158935	5.178	ng	97
85) Indeno(1,2,3-cd)pyrene	17.41	276	59630	2.242	ng	# 90
87) Benzo(b)fluoranthene	15.32	252	219446	9.371	ng	# 91
88) Benzo(k)fluoranthene	15.32	252	219446	10.194	ng	94
89) Benzo(a)pyrene	15.72	252	113507	5.413	ng	# 92
91) Benzo(g,h,i)perylene	17.91	276	58386	3.417	ng	# 93

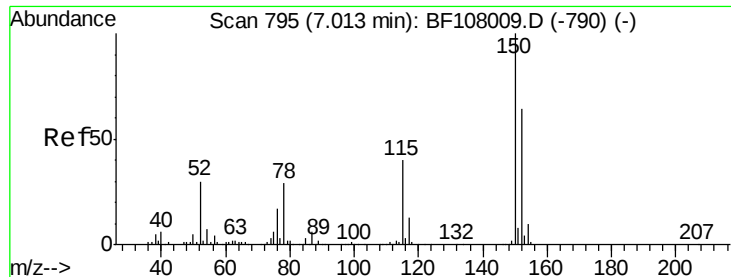
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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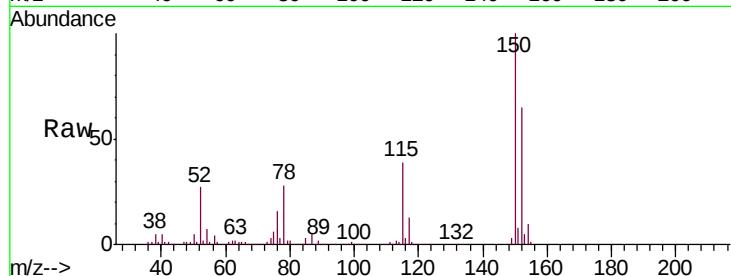


#1

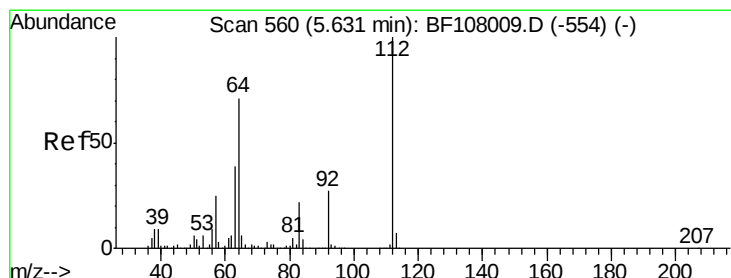
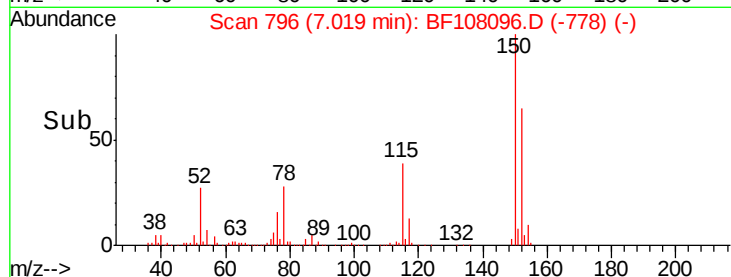
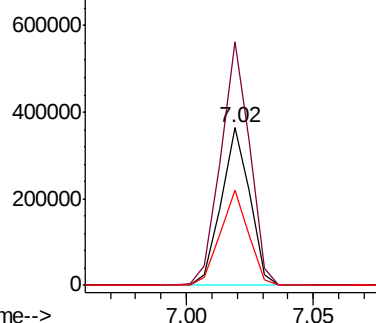
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

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

Tgt Ion:152 Resp: 285882
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 60.8 50.1 75.1



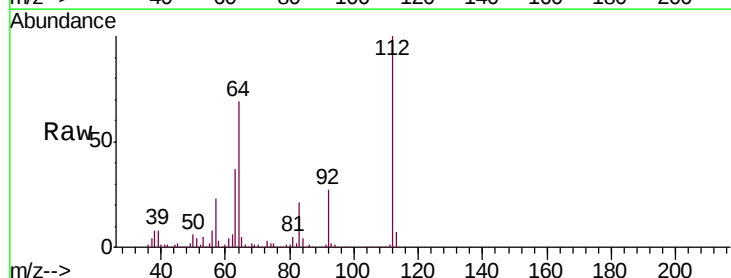
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



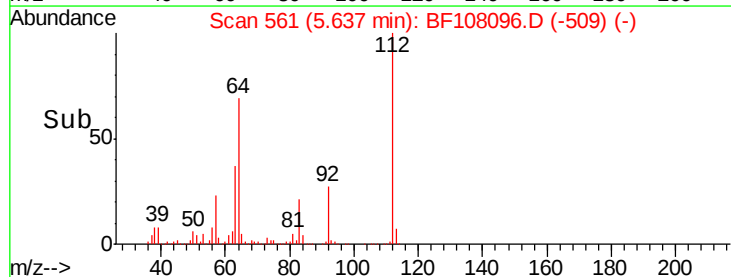
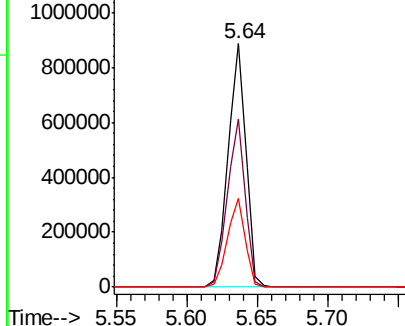
#5

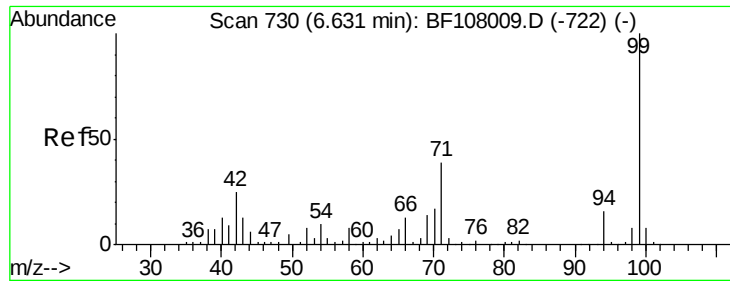
2-Fluorophenol
Concen: 49.677 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

Tgt Ion:112 Resp: 784435
Ion Ratio Lower Upper
112 100
64 68.9 47.9 71.9
63 36.5 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: 49.834 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

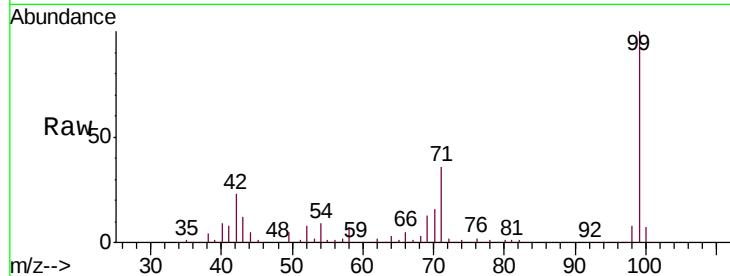
Tgt Ion: 99 Resp: 1045690

Ion Ratio Lower Upper

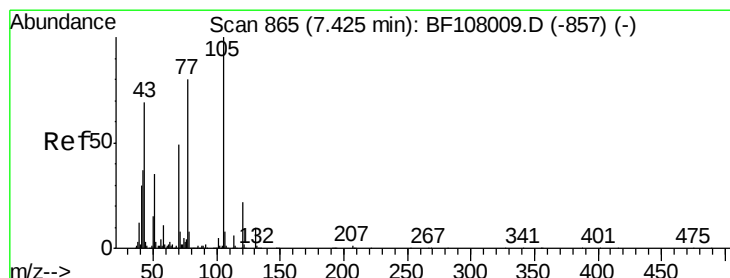
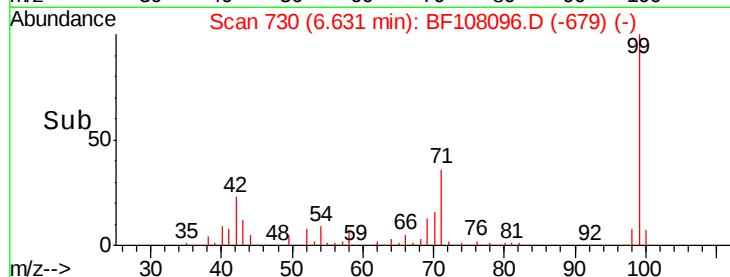
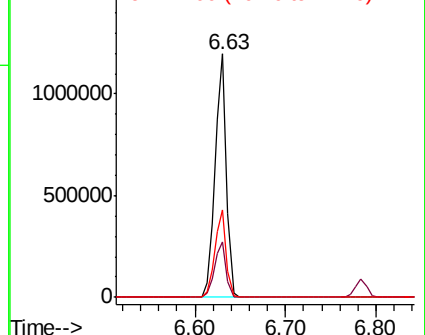
99 100

42 22.8 14.5 21.7#

71 36.1 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: 6.196 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Tgt Ion: 70 Resp: 87927

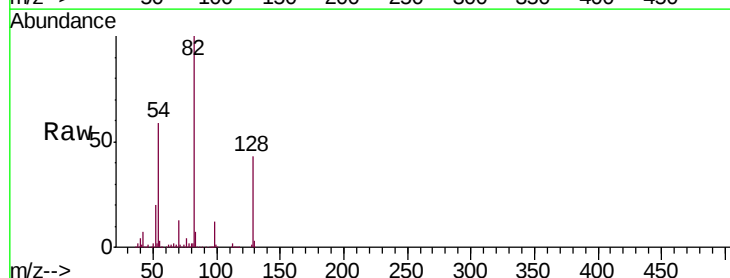
Ion Ratio Lower Upper

70 100

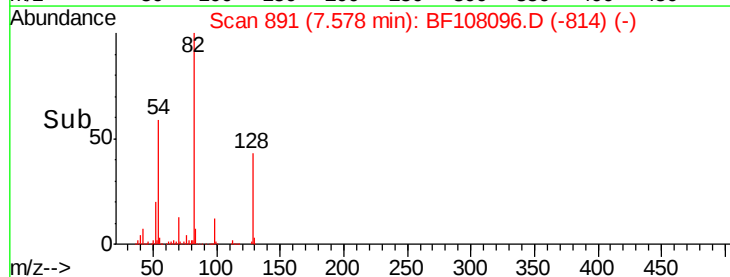
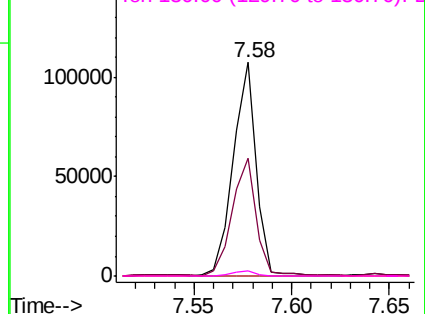
42 55.0 47.5 71.3

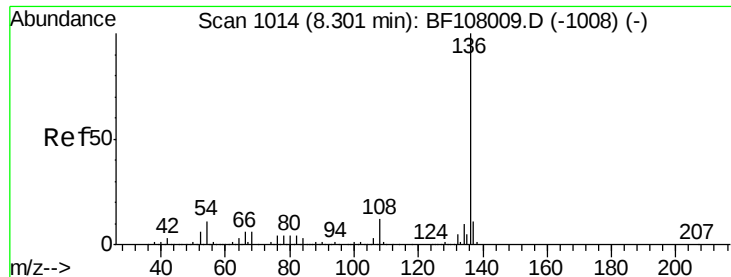
101 0.0 7.4 11.2#

130 2.1 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

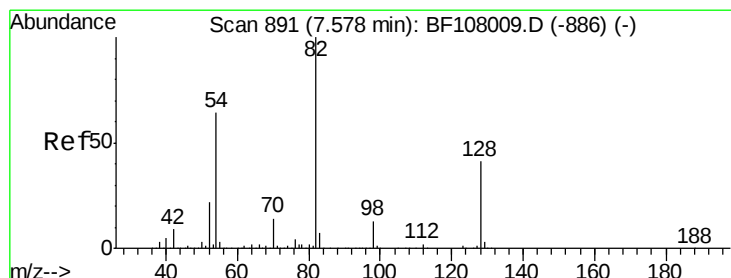
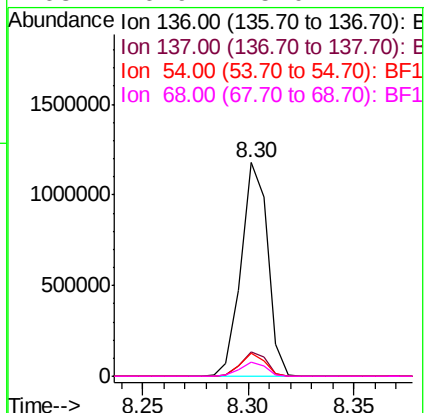
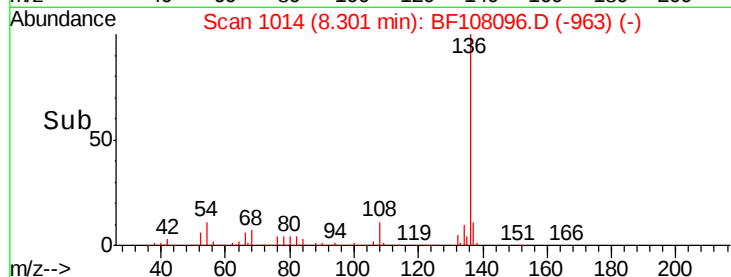
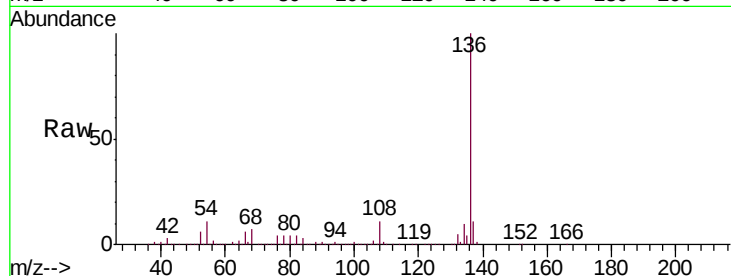




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

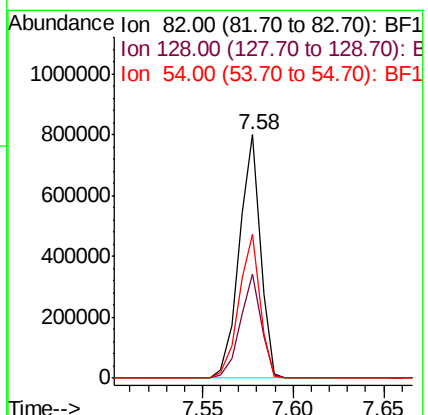
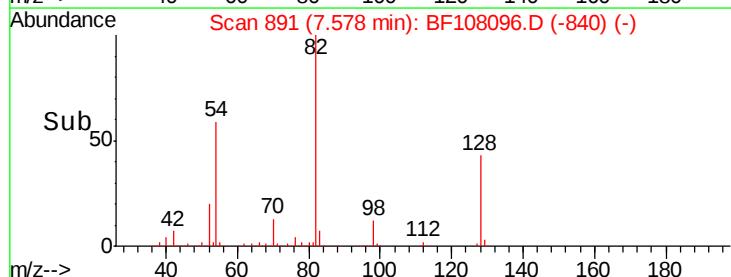
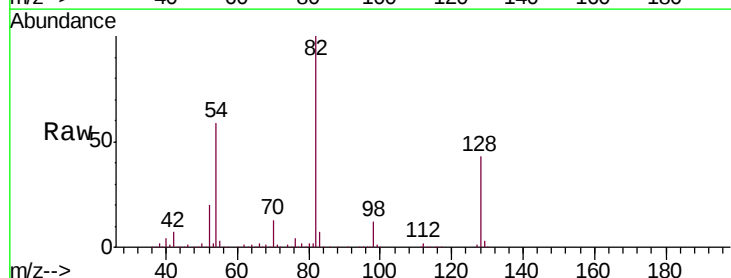
Instrument :
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JC-03-080918-H

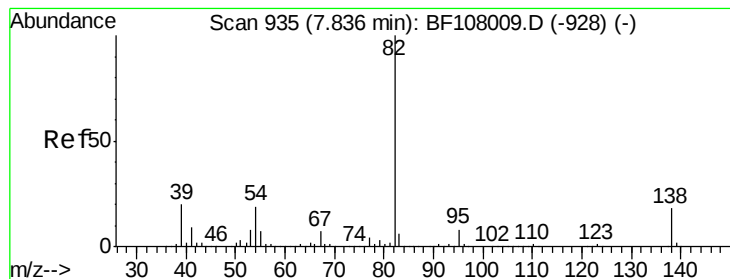
Tgt Ion:	136	Resp:	1026795
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	10.8	6.6	9.8#
68	6.9	5.0	7.4



#23
Nitrobenzene-d5
Concen: 35.216 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

Tgt Ion:	82	Resp:	647999
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	58.9	41.4	62.2





#25

Isophorone

Concen: 18.476 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

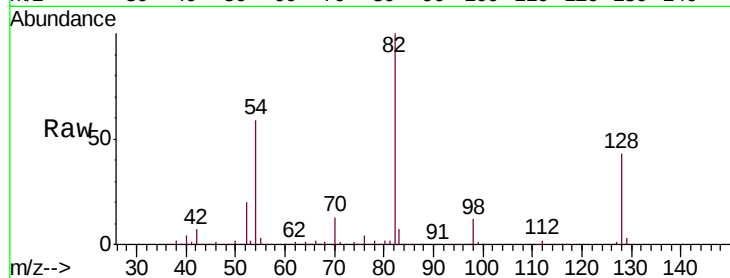
Tgt Ion: 82 Resp: 647989

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

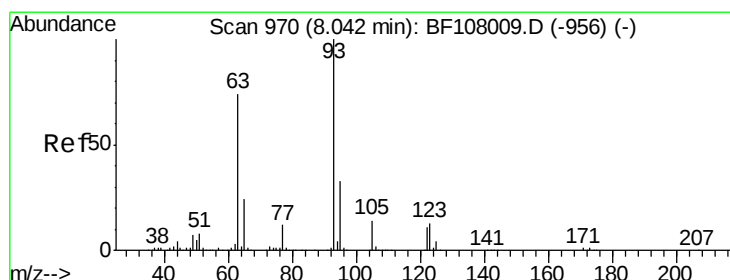
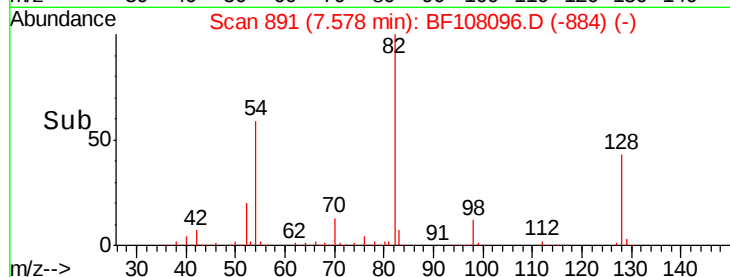
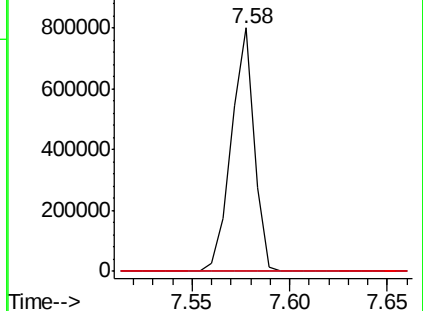
138 0.0 14.9 22.3#



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: 5.986 ng

RT: 7.96 min Scan# 956

Delta R.T. -0.08 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

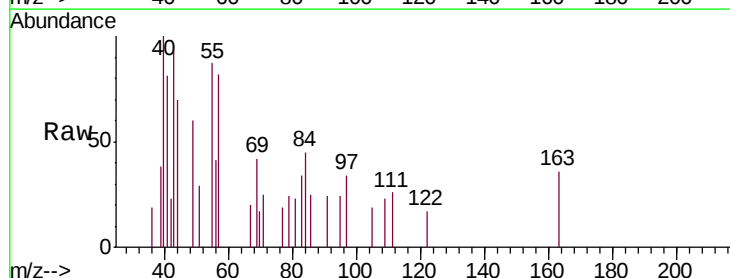
Tgt Ion: 122 Resp: 116

Ion Ratio Lower Upper

122 100

105 107.3 101.1 141.1

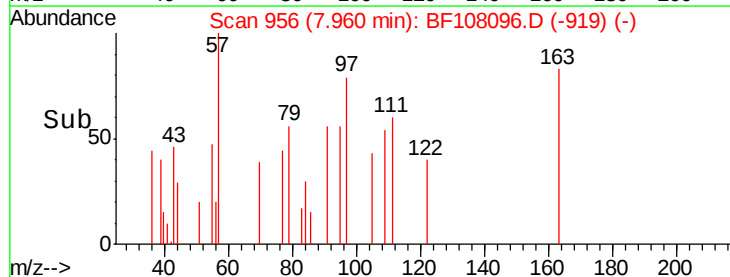
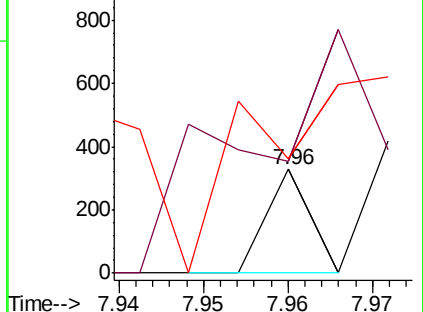
77 110.4 70.7 110.7

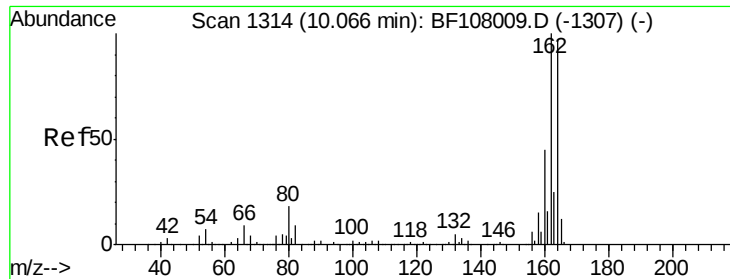


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

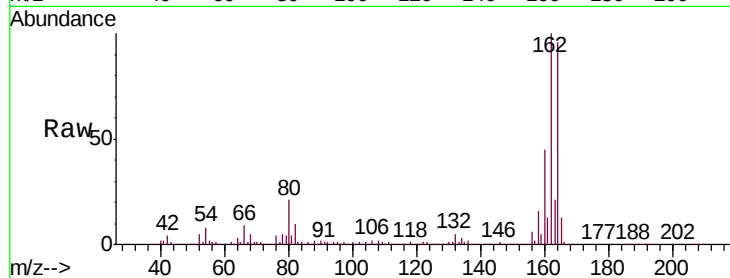




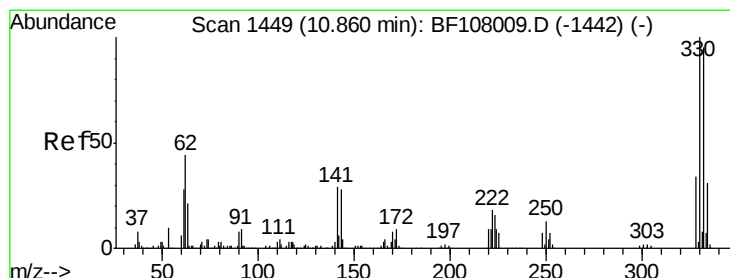
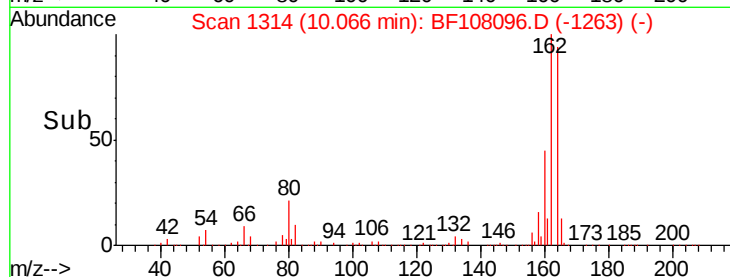
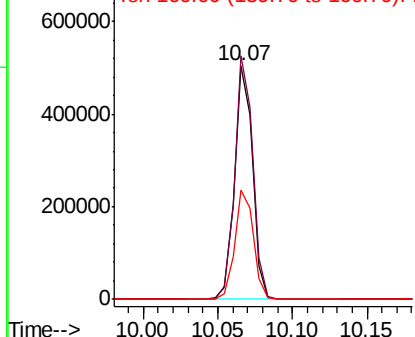
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

Instrument :
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ClientSampleId :
JC-03-080918-H

Tgt Ion:164 Resp: 429049
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 46.9 38.3 57.5

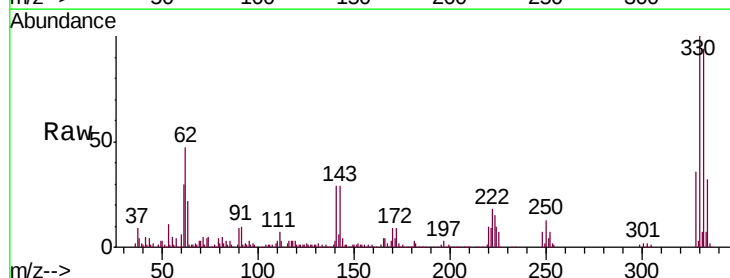


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

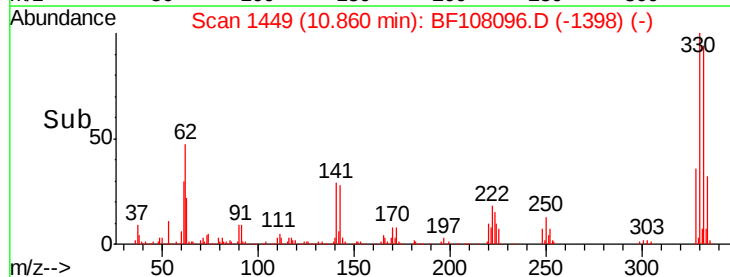
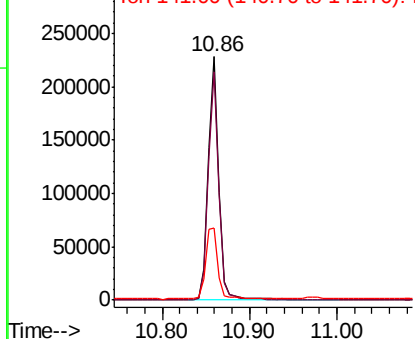


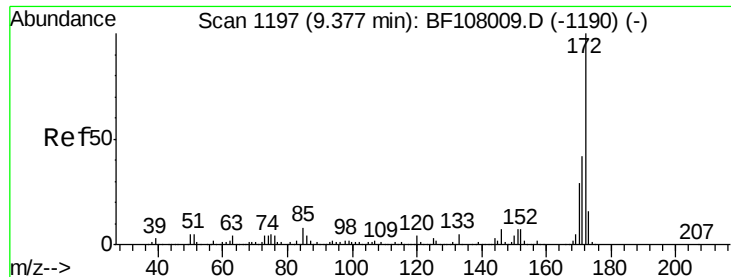
#41
2,4,6-Tribromophenol
Concen: 45.018 ng
RT: 10.86 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

Tgt Ion:330 Resp: 192660
Ion Ratio Lower Upper
330 100
332 93.5 77.0 115.6
141 33.2 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

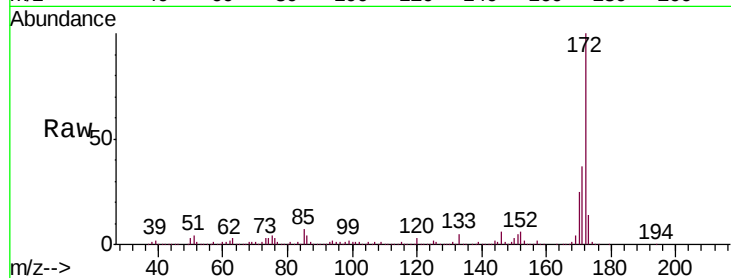




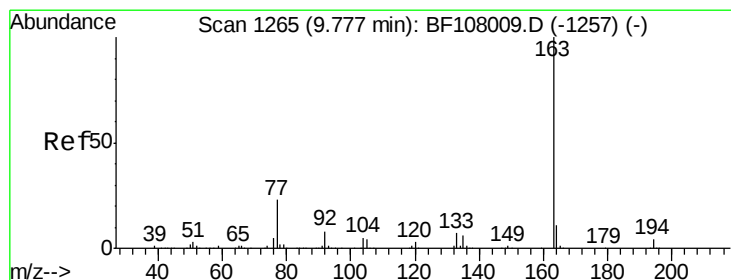
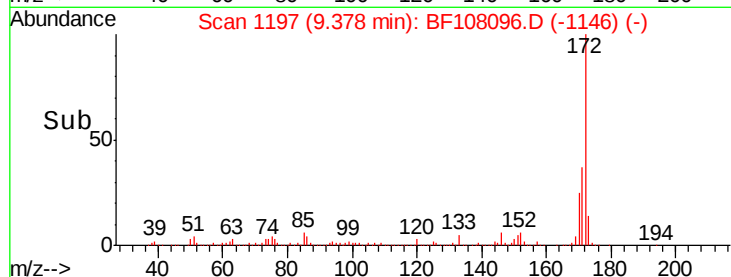
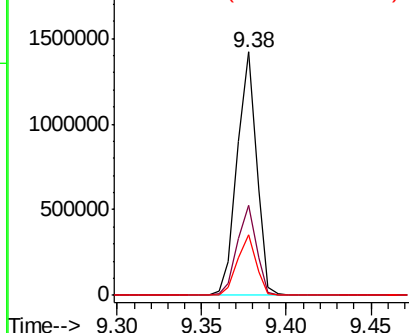
#44
2-Fluorobiphenyl
Concen: 42.637 ng
RT: 9.38 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

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

Tgt Ion:172 Resp: 1139443
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.9 19.6 29.4

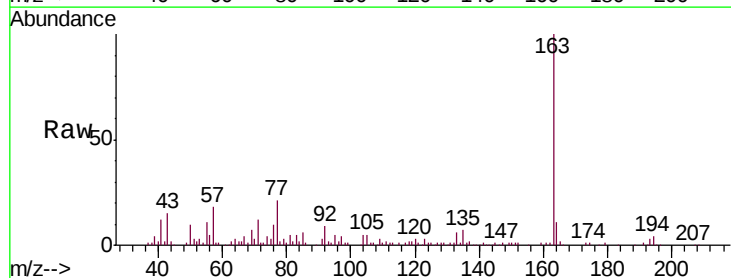


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

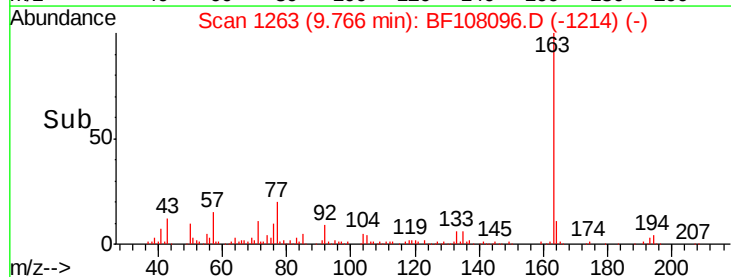
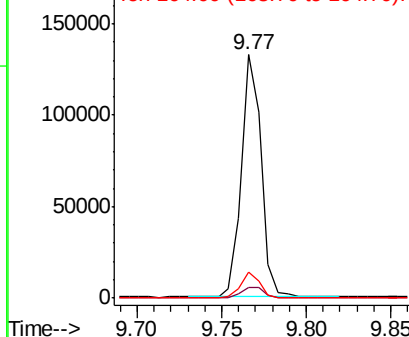


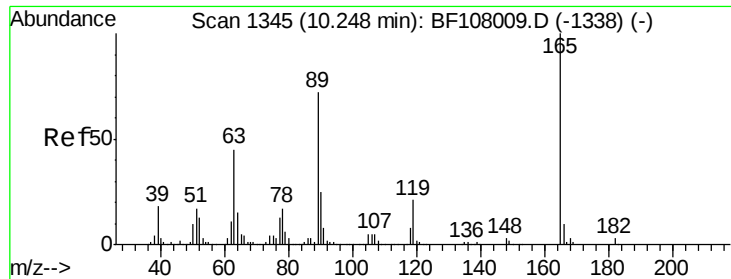
#49
Dimethylphthalate
Concen: 3.600 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

Tgt Ion:163 Resp: 107584
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 10.5 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

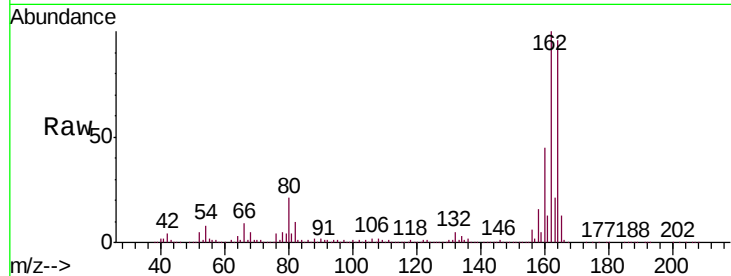




#56
 2,4-Dinitrotoluene
 Concen: 7.310 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108096.D
 Acq: 10 Aug 2018 20:51

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

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



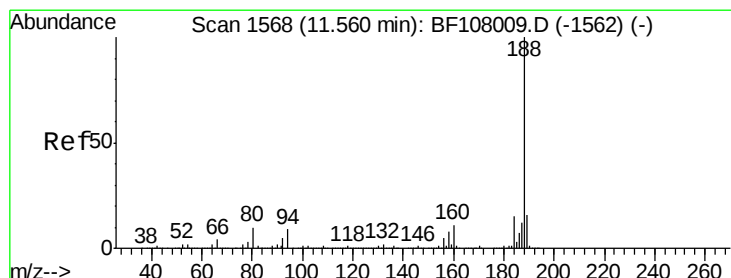
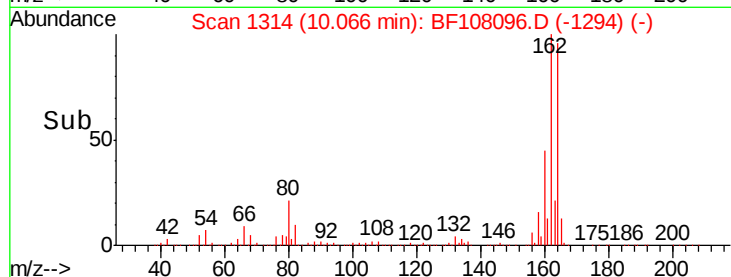
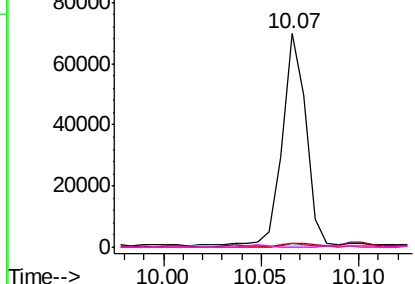
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

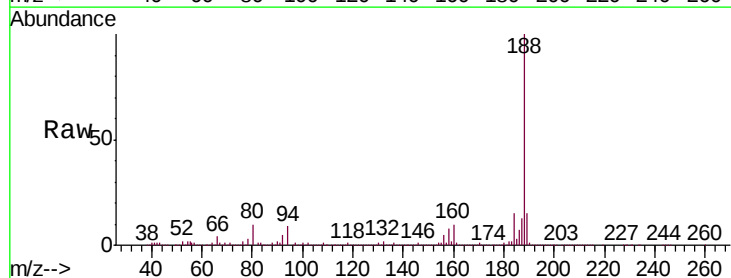
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF108096.D
 Acq: 10 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.5	9.2	13.8

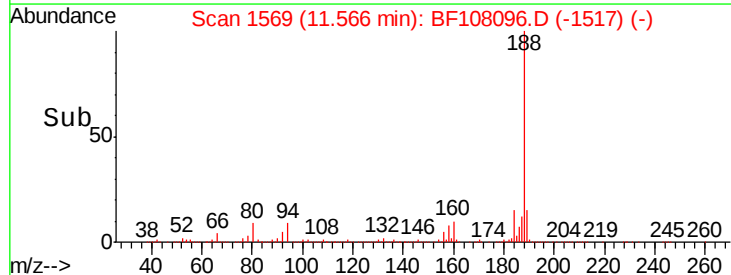
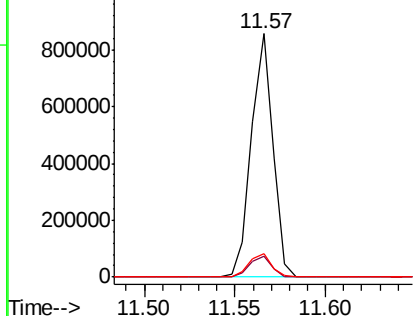


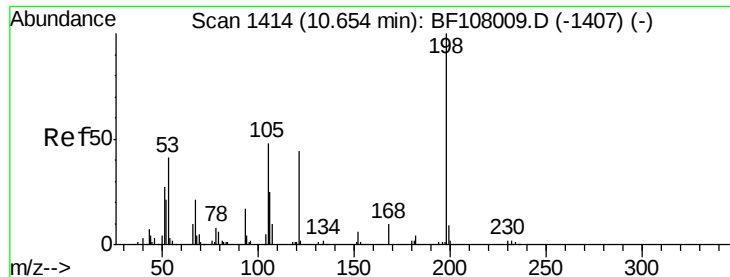
Abundance

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





#64

4,6-Dinitro-2-methylphenol

Concen: 5.540 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.21 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

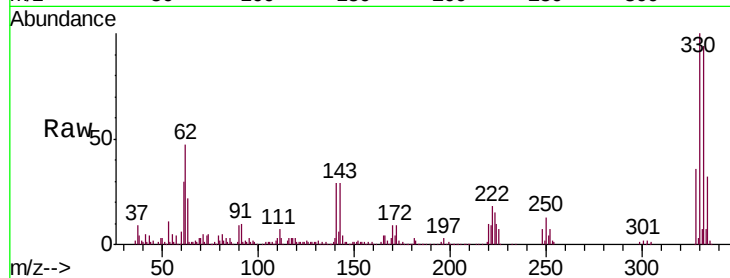
Tgt Ion:198 Resp: 544

Ion Ratio Lower Upper

198 100

51 312.9 37.7 77.7#

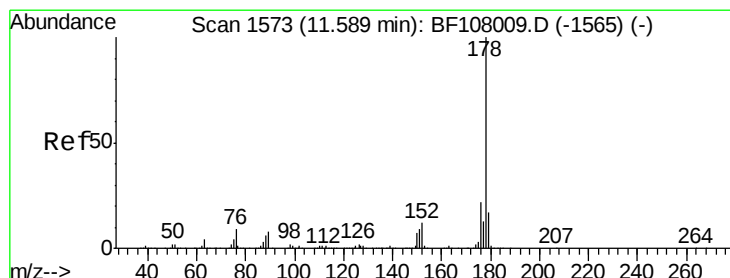
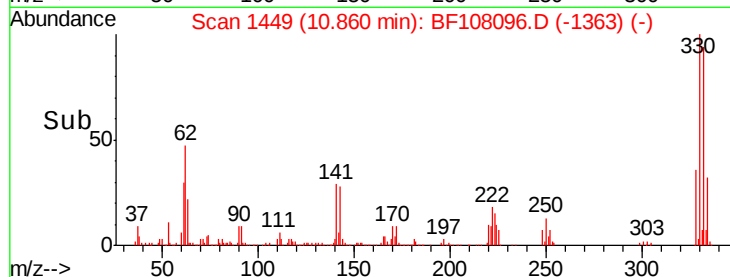
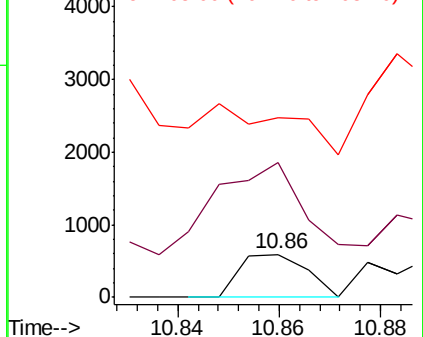
105 415.1 36.3 76.3#



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: 5.788 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

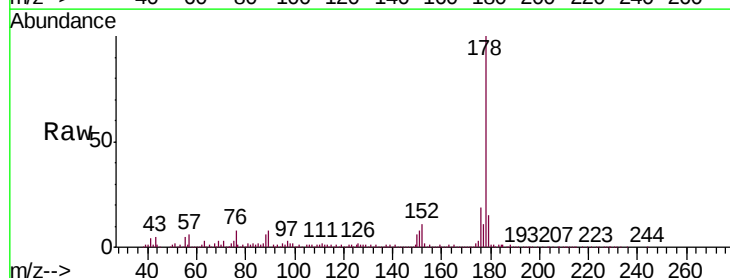
Tgt Ion:178 Resp: 193477

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.8

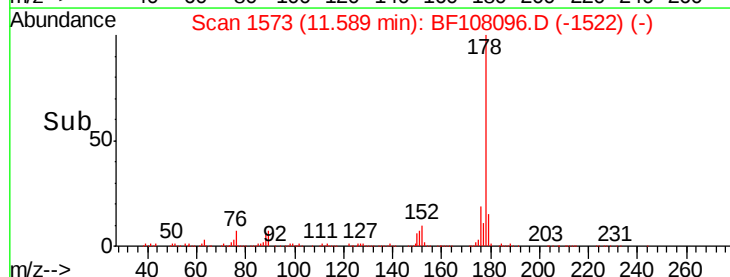
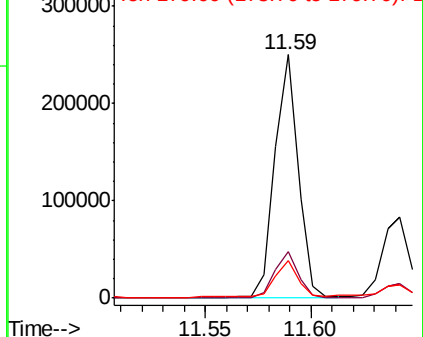
179 15.3 13.0 19.6

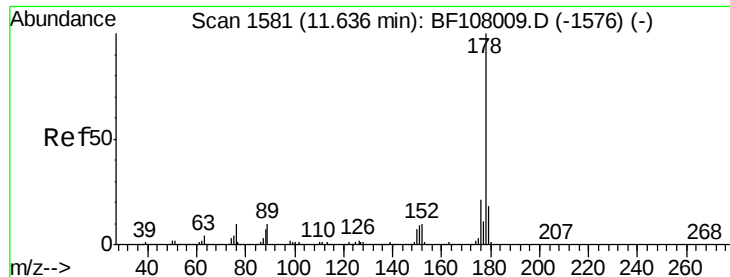


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 2.078 ng

RT: 11.64 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

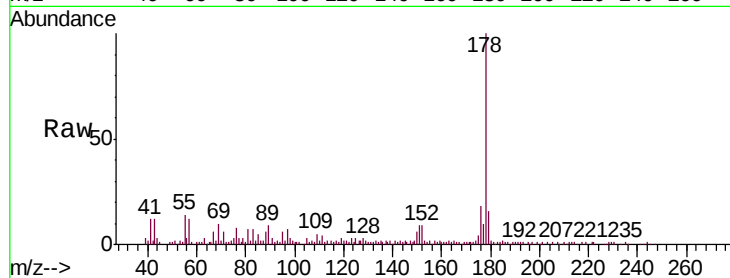
Tgt Ion:178 Resp: 71206

Ion Ratio Lower Upper

178 100

176 18.0 15.4 23.2

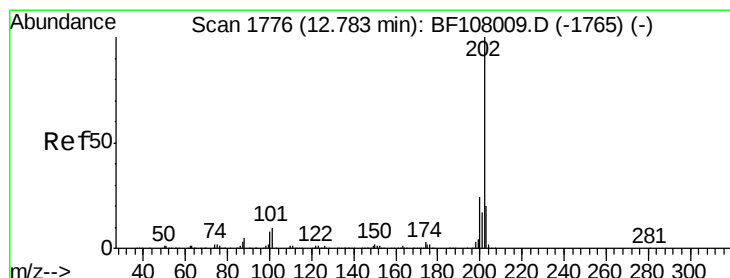
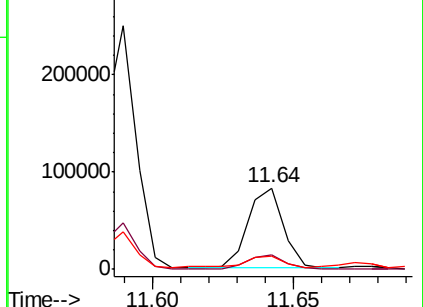
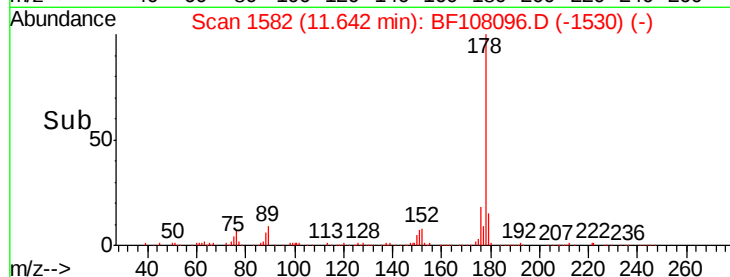
179 16.3 12.6 19.0



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: 12.343 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

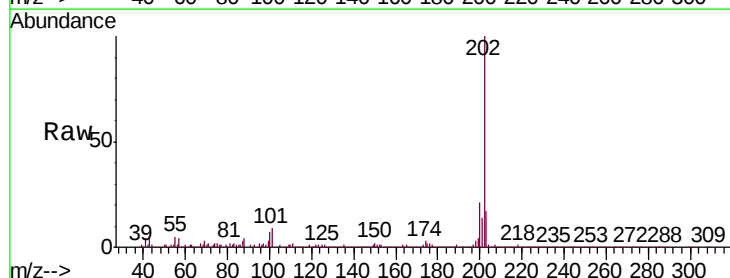
Tgt Ion:202 Resp: 450297

Ion Ratio Lower Upper

202 100

101 9.0 0.0 34.1

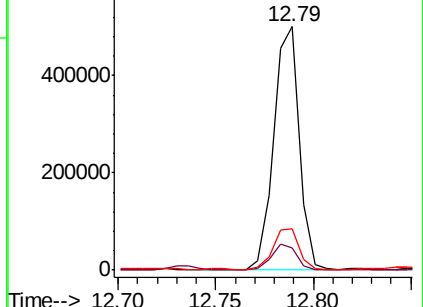
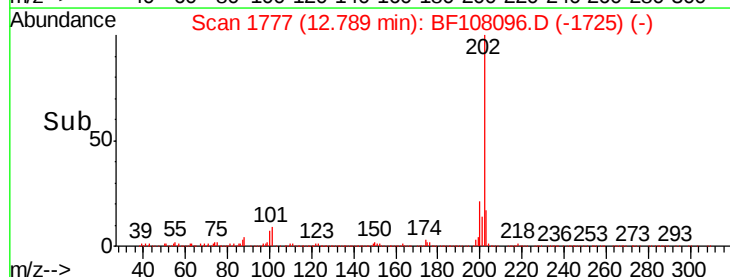
203 16.9 0.0 38.1

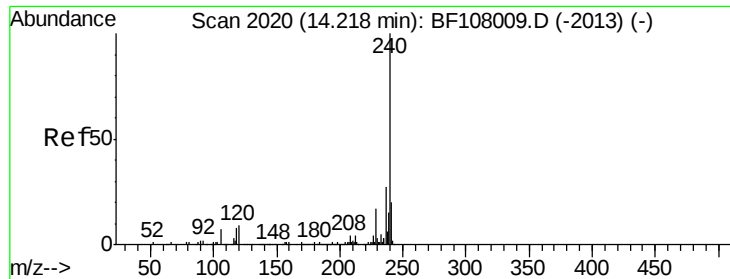


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.22 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

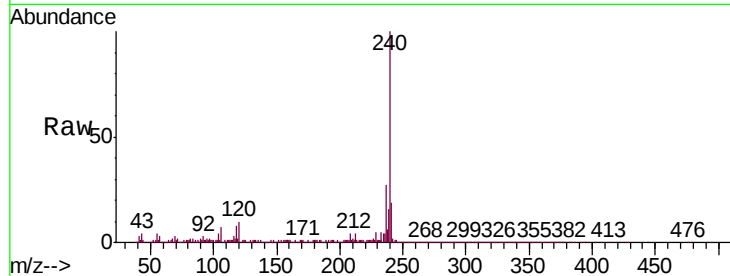
Tgt Ion:240 Resp: 583414

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

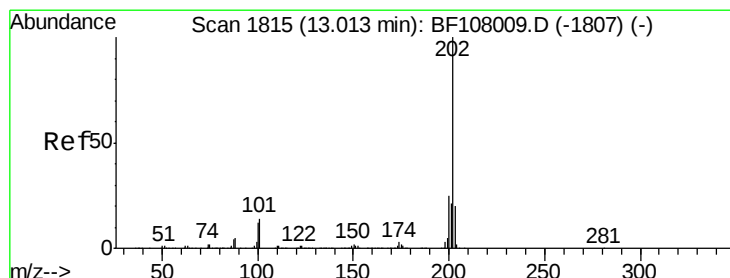
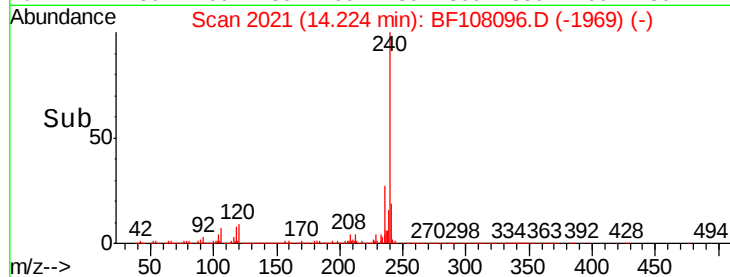
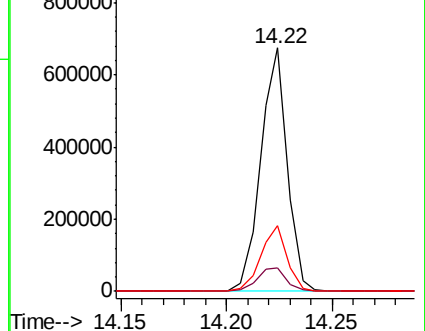
236 26.9 20.7 31.1



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: 11.402 ng

RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

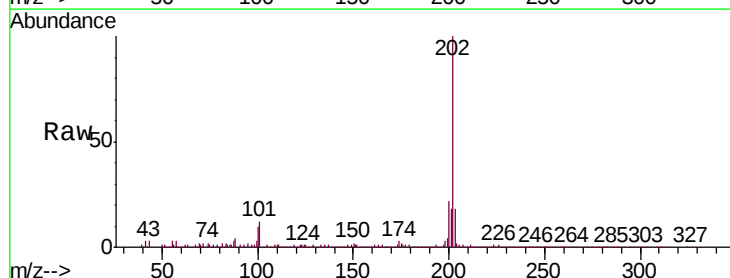
Tgt Ion:202 Resp: 421148

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

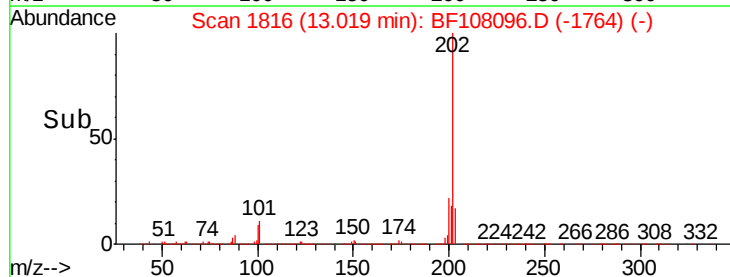
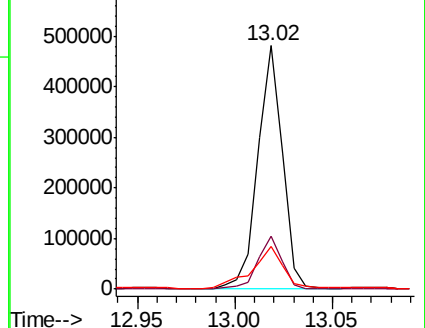
203 17.7 14.3 21.5

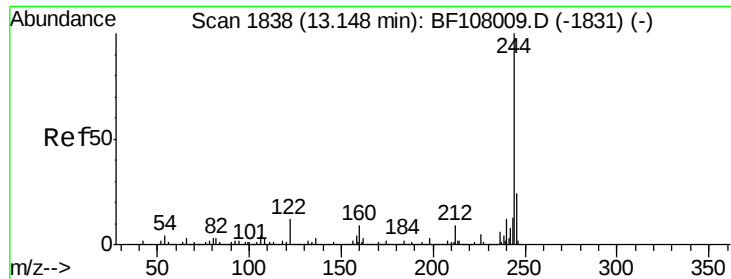


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 43.114 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

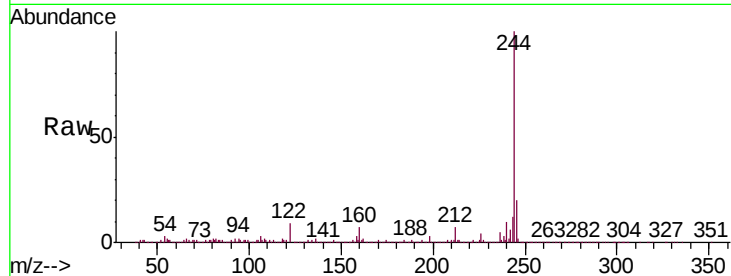
Tgt Ion:244 Resp: 989295

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

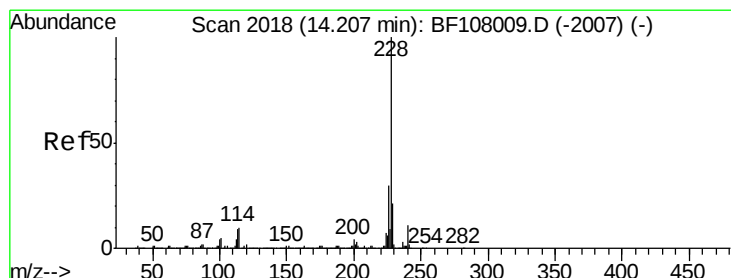
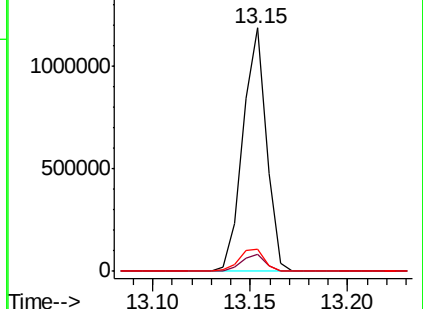
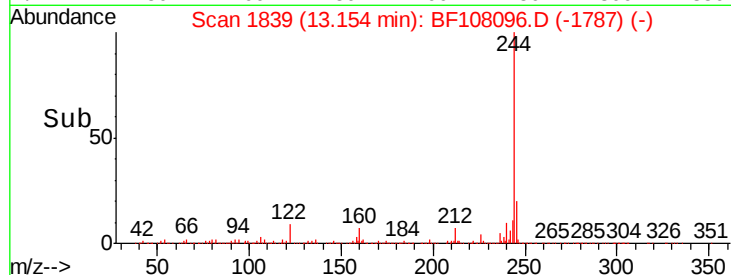
122 9.4 11.0 16.4#



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: 6.361 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

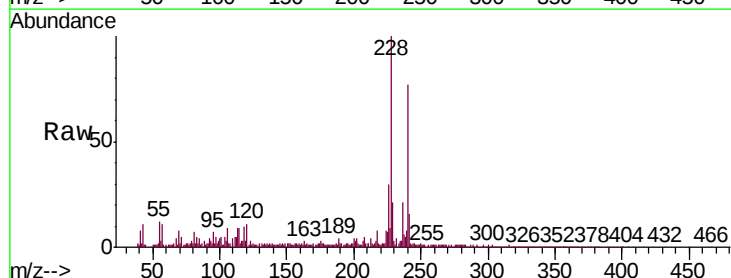
Tgt Ion:228 Resp: 212990

Ion Ratio Lower Upper

228 100

226 30.4 22.6 33.8

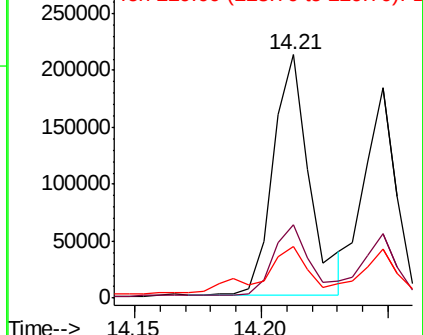
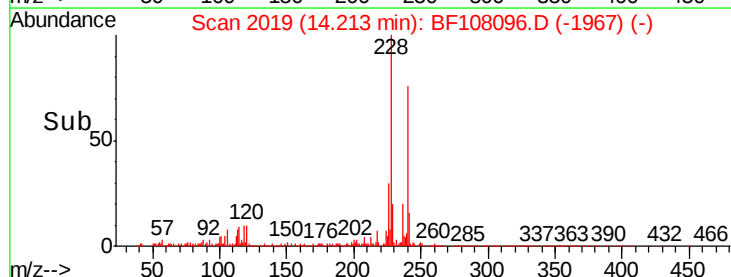
229 21.2 15.8 23.6

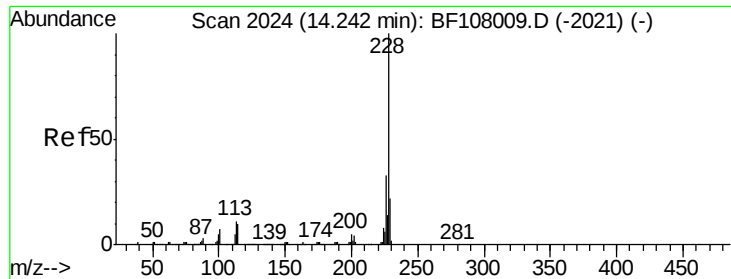


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.178 ng

RT: 14.25 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-H

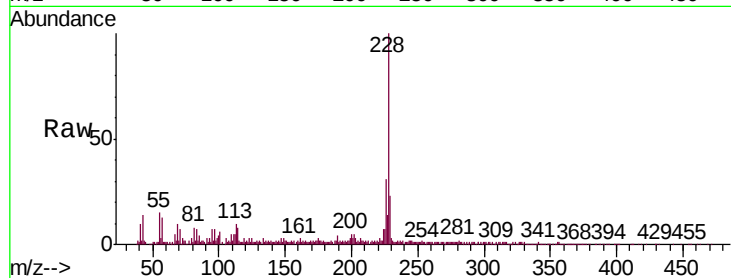
Tgt Ion:228 Resp: 158935

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

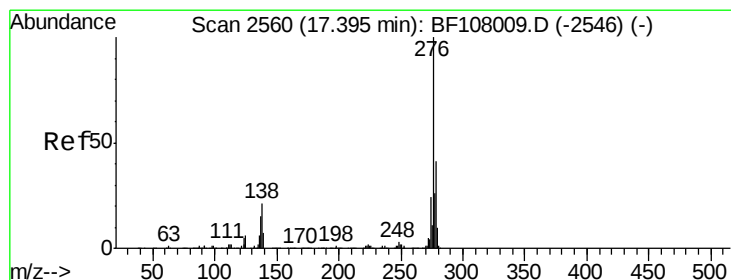
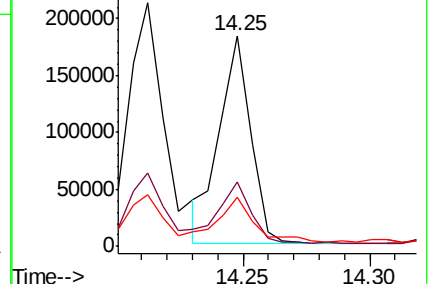
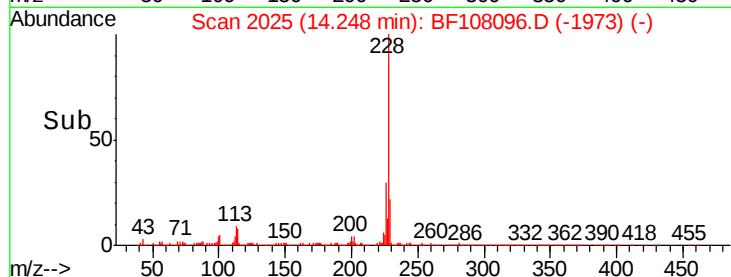
229 23.1 16.2 24.4



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: 2.242 ng

RT: 17.41 min Scan# 2563

Delta R.T. 0.02 min

Lab File: BF108096.D

Acq: 10 Aug 2018 20:51

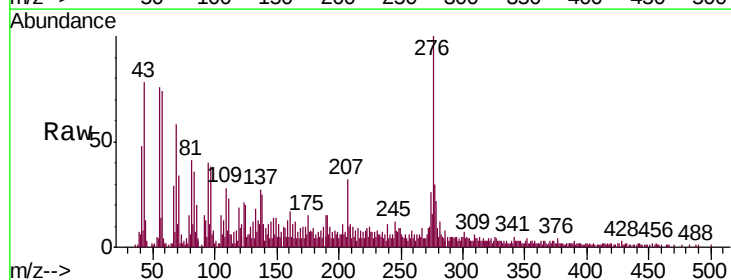
Tgt Ion:276 Resp: 59630

Ion Ratio Lower Upper

276 100

138 22.1 25.0 37.6#

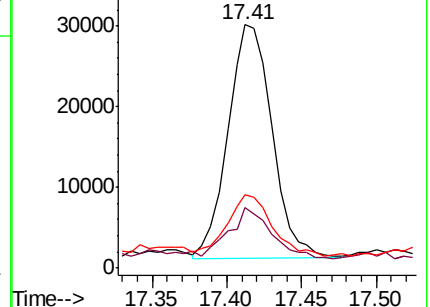
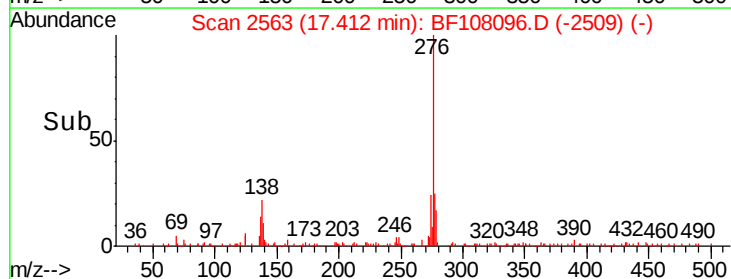
277 25.8 20.1 30.1

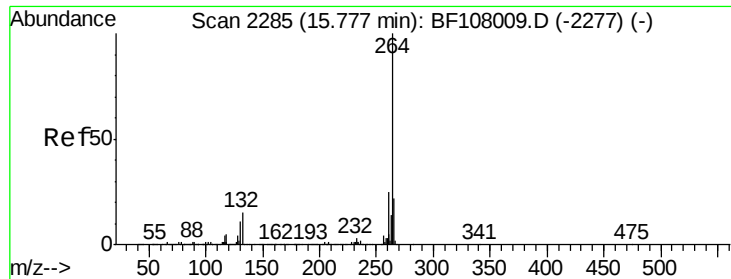


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

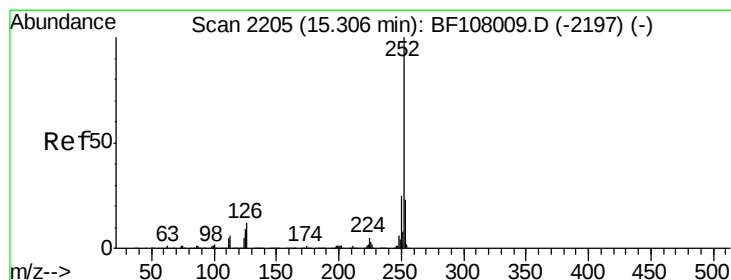
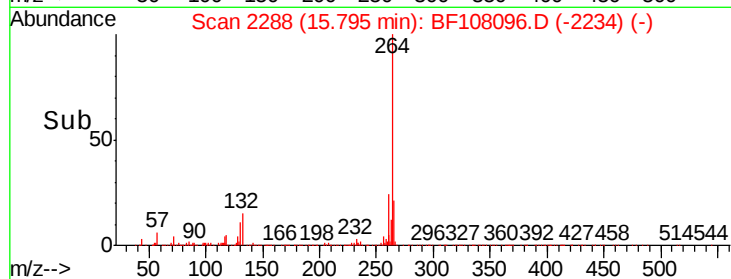
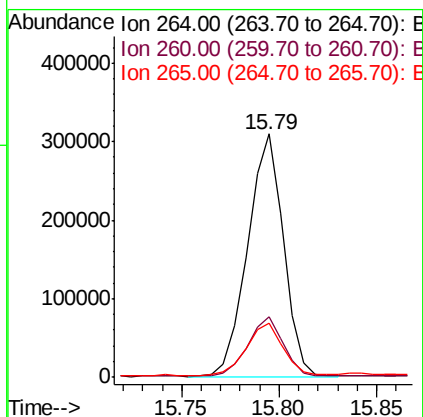
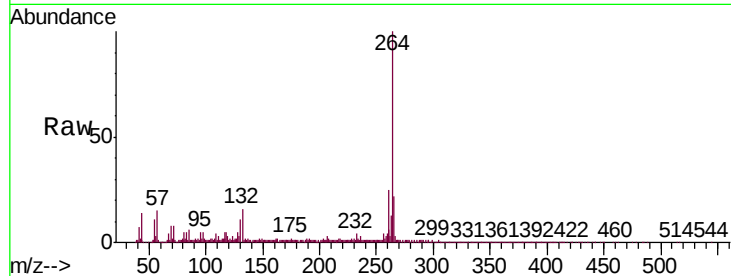




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

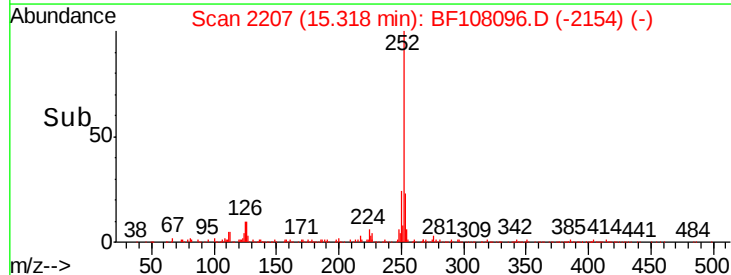
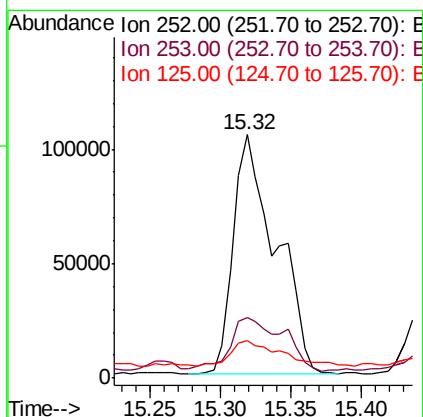
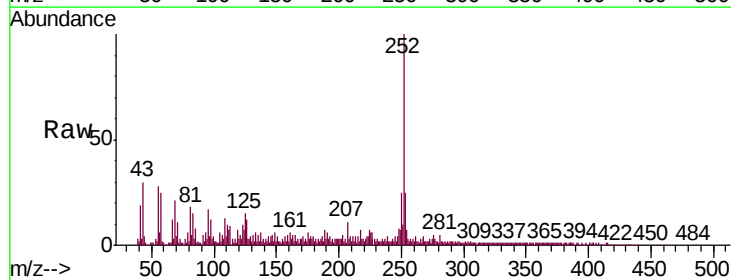
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-H

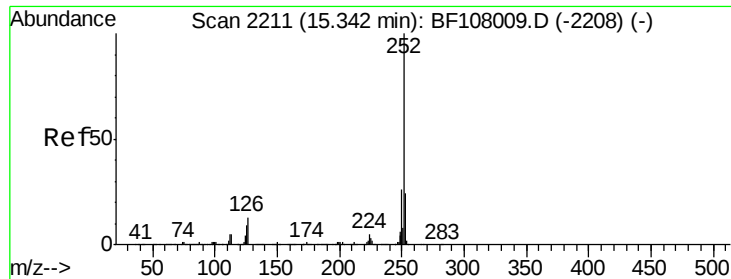
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 9.371 ng
RT: 15.32 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	15.2	9.0	13.6

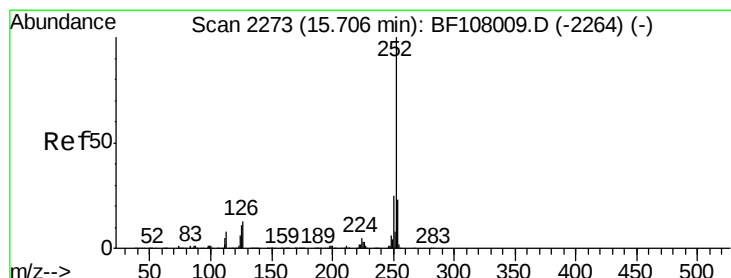
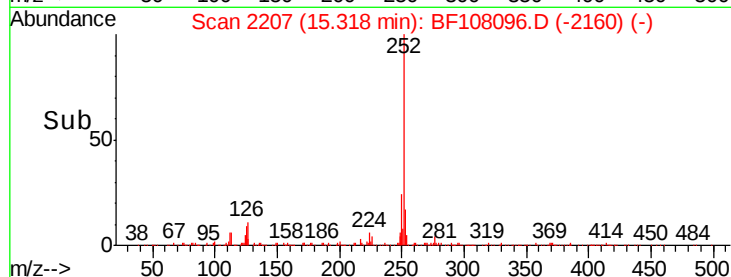
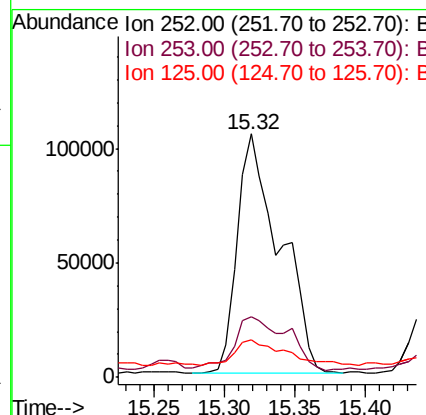
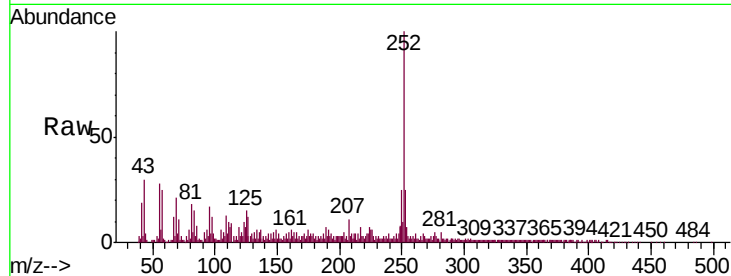




#88
Benzo(k)fluoranthene
Concen: 10.194 ng
RT: 15.32 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

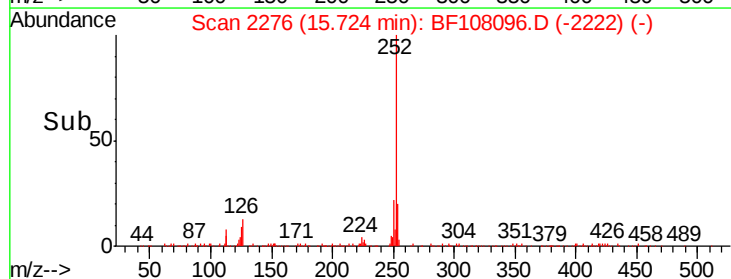
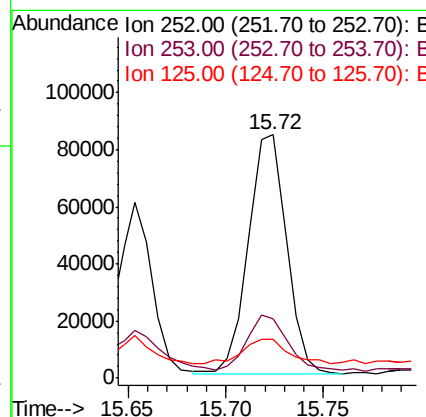
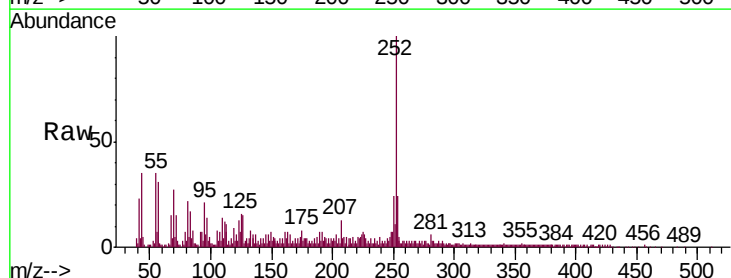
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-H

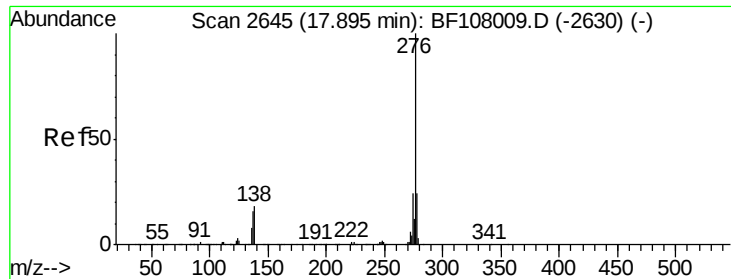
Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.9	26.9
125	15.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.413 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF108096.D
Acq: 10 Aug 2018 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	15.9	9.8	14.6#





#91
 Benzo(g,h,i)perylene
 Concen: 3.417 ng
 RT: 17.91 min Scan# 2648
 Delta R.T. 0.02 min
 Lab File: BF108096.D
 Acq: 10 Aug 2018 20:51

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

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	25.4	21.8	32.8

