

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108098.D
 Acq On : 10 Aug 2018 21:46
 Operator : JU/SJ
 Sample : J4272-21 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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

Quant Time: Aug 10 23:14:18 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	281674	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1004705	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	420390	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	698220	20.00	ng	0.00
75) Chrysene-d12	14.22	240	519458	20.00	ng	0.00
86) Perylene-d12	15.80	264	363667	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	761600	48.95	ng	0.00
7) Phenol-d6	6.63	99	1010812	48.89	ng	0.00
23) Nitrobenzene-d5	7.58	82	615743	34.20	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	170650	40.70	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1037075	39.61	ng	0.00
78) Terphenyl-d14	13.15	244	848622	41.54	ng	0.00

Target Compounds

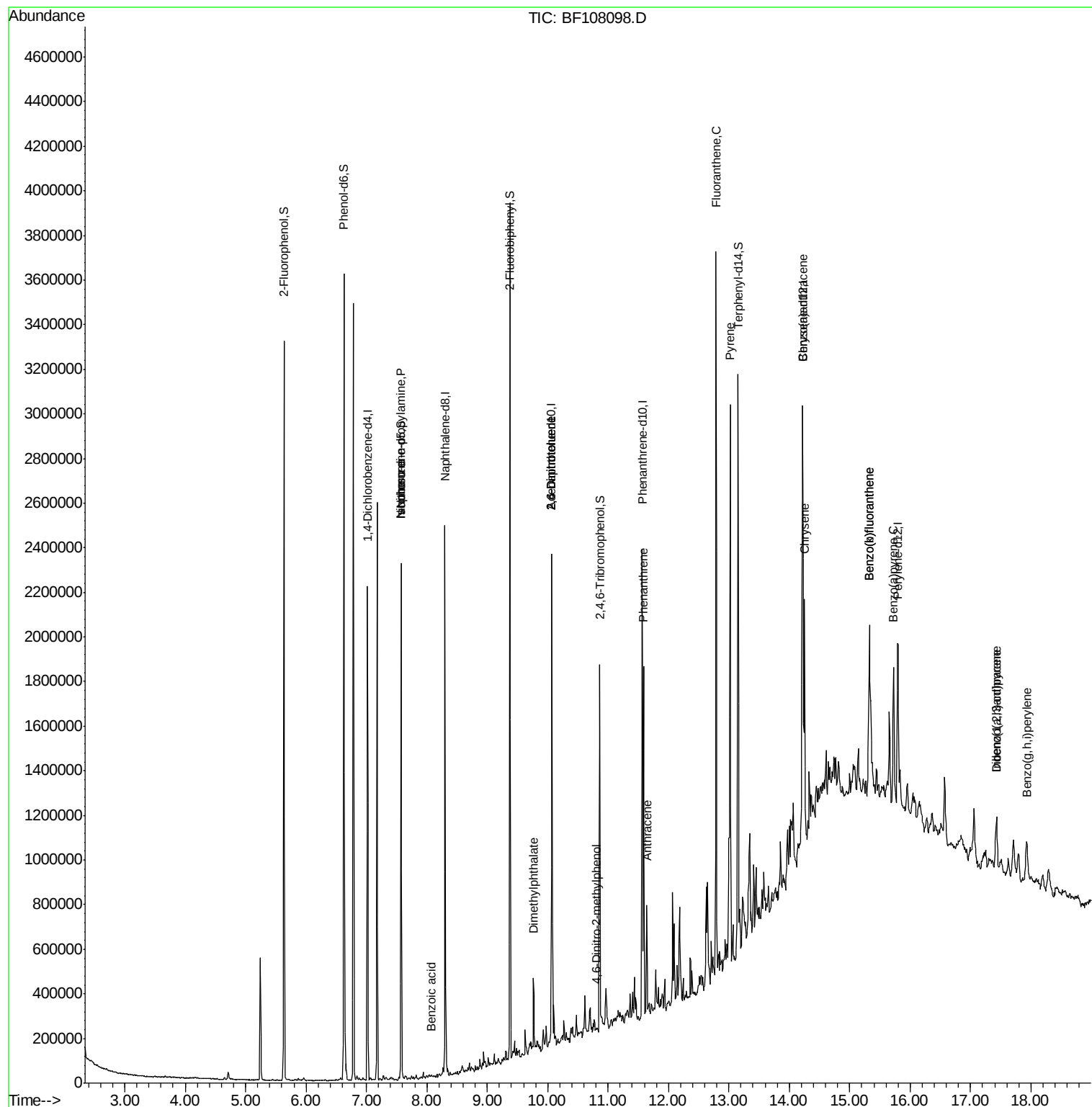
						Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	84289	6.029	ng	# 85
25) Isophorone	7.58	82	613887	17.888	ng	# 64
32) Benzoic acid	8.07	122	113	5.986	ng	# 68
49) Dimethylphthalate	9.77	163	83458	2.850	ng	# 99
50) 2,6-Dinitrotoluene	10.07	165	57057	9.313	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	57057	7.235	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	137	5.405	ng	# 1
70) Phenanthrene	11.59	178	508645	15.445	ng	100
71) Anthracene	11.64	178	177761	5.266	ng	100
74) Fluoranthene	12.79	202	1227232	34.145	ng	96
77) Pyrene	13.02	202	1103359	33.550	ng	99
80) Benzo(a)anthracene	14.21	228	573730	19.245	ng	98
82) Chrysene	14.25	228	453258	16.584	ng	97
85) Indeno(1,2,3-cd)pyrene	17.42	276	182269	7.697	ng	# 87
87) Benzo(b)fluoranthene	15.32	252	627892	28.894	ng	96
88) Benzo(k)fluoranthene	15.32	252	627892	31.433	ng	97
89) Benzo(a)pyrene	15.73	252	321414	16.517	ng	96
90) Dibenzo(a,h)anthracene	17.44	278	45113	2.802	ng	# 77
91) Benzo(g,h,i)perylene	17.93	276	164627	10.384	ng	# 90

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

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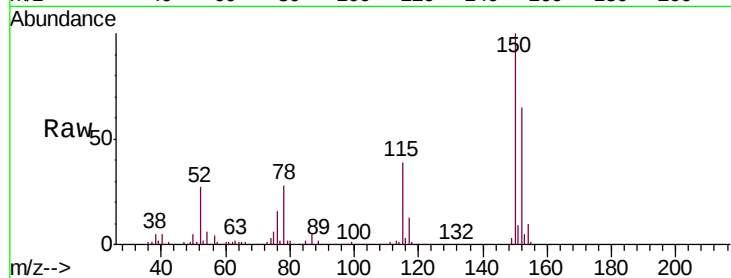


#1

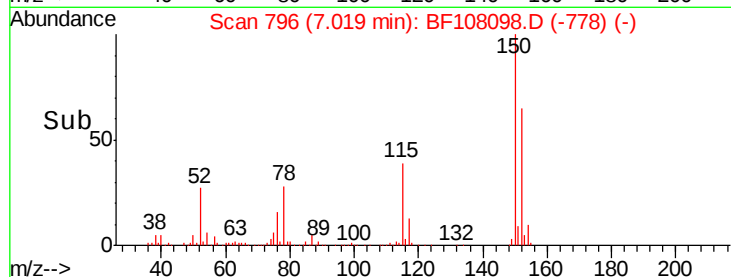
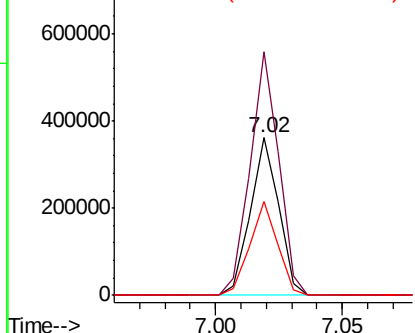
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

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

Tgt Ion:152 Resp: 281674
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 59.9 50.1 75.1



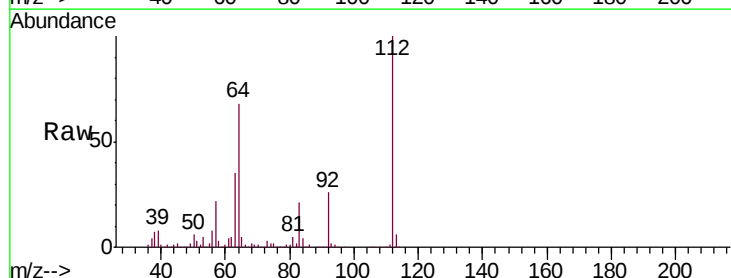
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



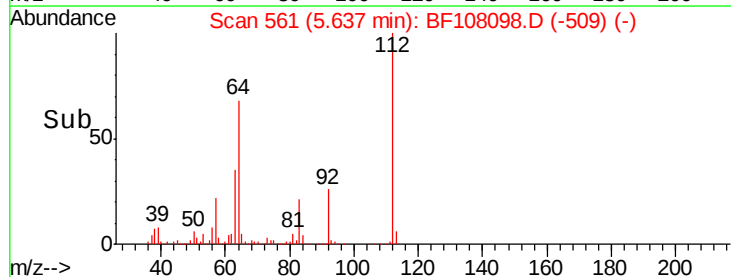
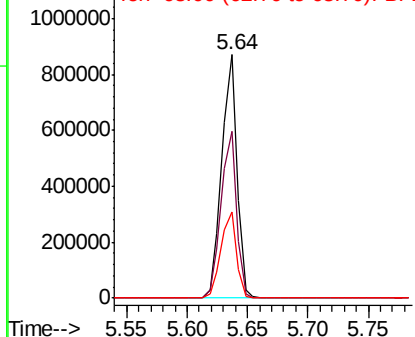
#5

2-Fluorophenol
Concen: 48.952 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

Tgt Ion:112 Resp: 761600
Ion Ratio Lower Upper
112 100
64 68.3 47.9 71.9
63 35.4 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: 48.891 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

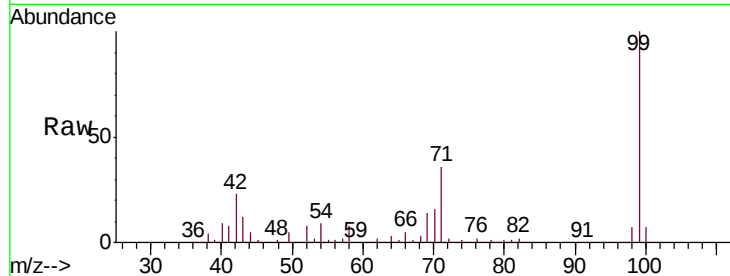
BNA_F

ClientSampleId :

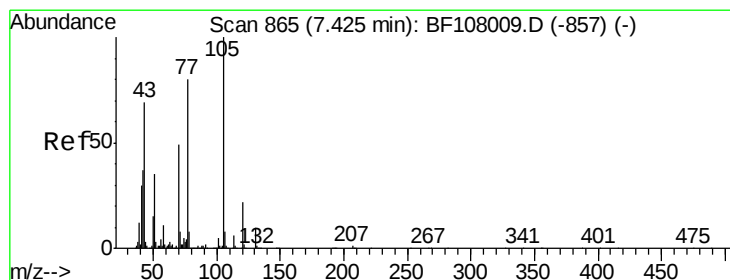
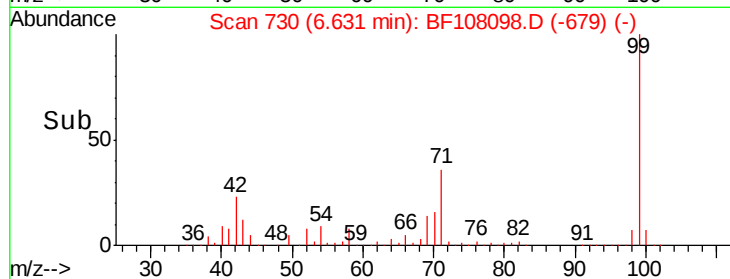
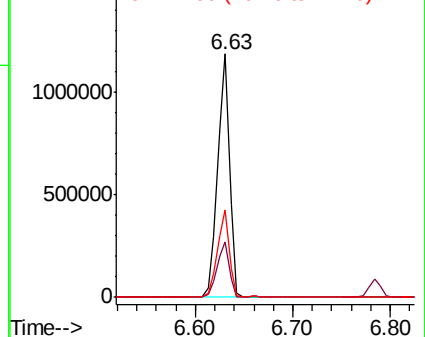
JC-03-080918-K

Tgt Ion: 99 Resp: 1010812

Ion	Ratio	Lower	Upper
99	100		
42	22.8	14.5	21.7#
71	36.0	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: 6.029 ng

RT: 7.58 min Scan# 891

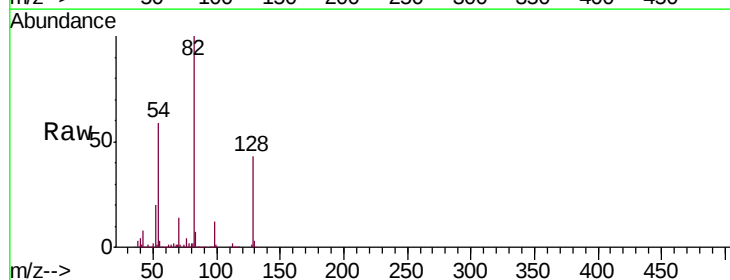
Delta R.T. 0.15 min

Lab File: BF108098.D

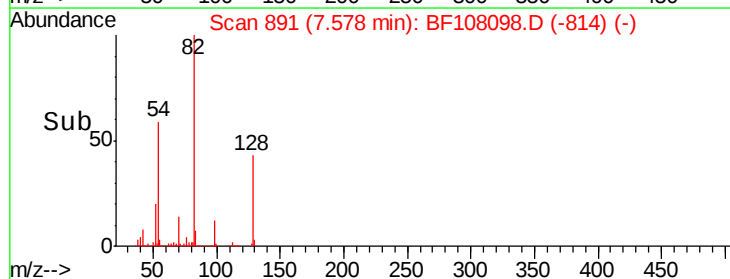
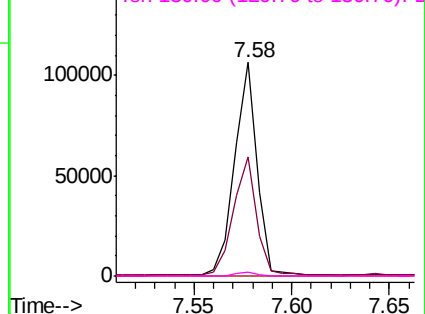
Acq: 10 Aug 2018 21:46

Tgt Ion: 70 Resp: 84289

Ion	Ratio	Lower	Upper
70	100		
42	55.6	47.5	71.3
101	0.0	7.4	11.2#
130	1.9	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): E
Ion 130.00 (129.70 to 130.70): E

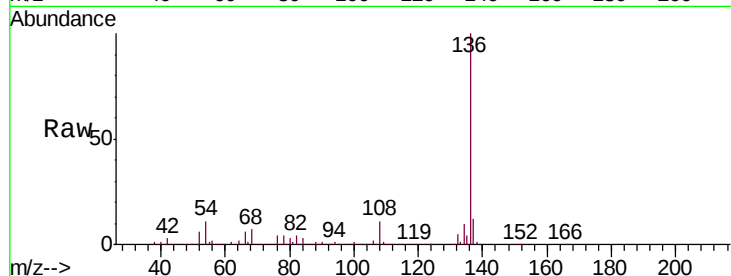




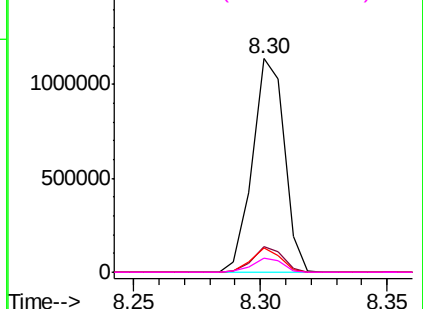
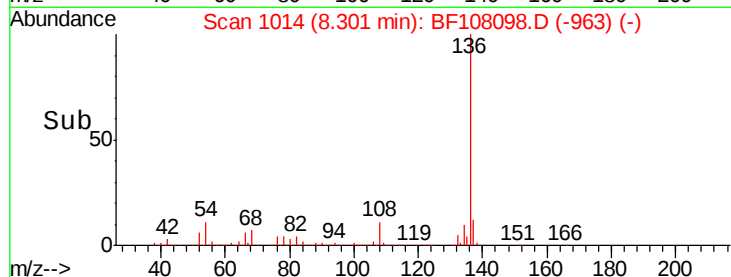
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

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

Tgt Ion:	136	Resp:	1004705
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	11.1	6.6	9.8#
68	6.8	5.0	7.4

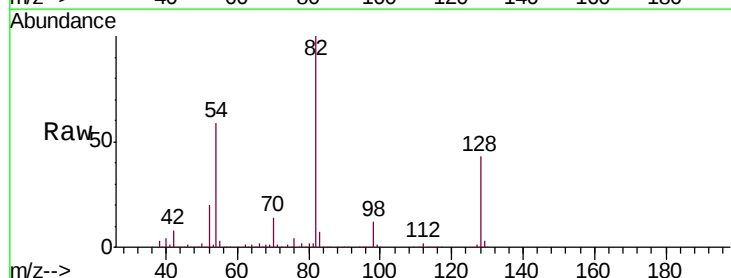


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

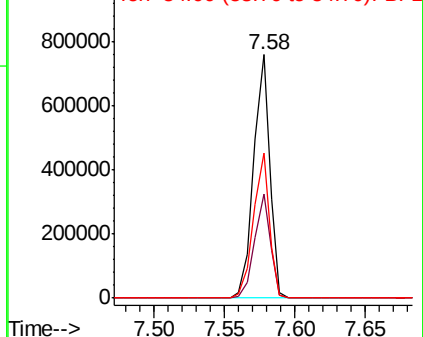
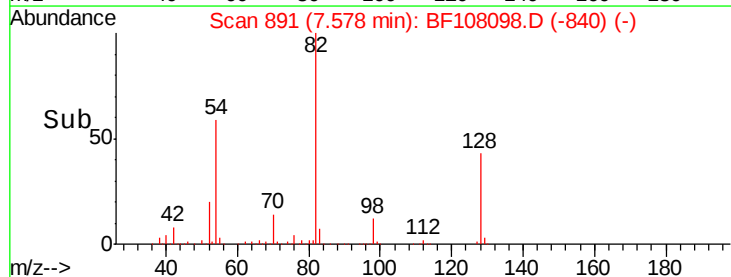


#23
Nitrobenzene-d5
Concen: 34.198 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

Tgt Ion:	82	Resp:	615743
Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	59.4	41.4	62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.888 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-K

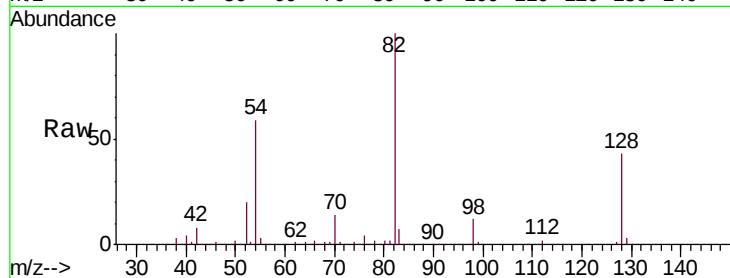
Tgt Ion: 82 Resp: 613887

Ion Ratio Lower Upper

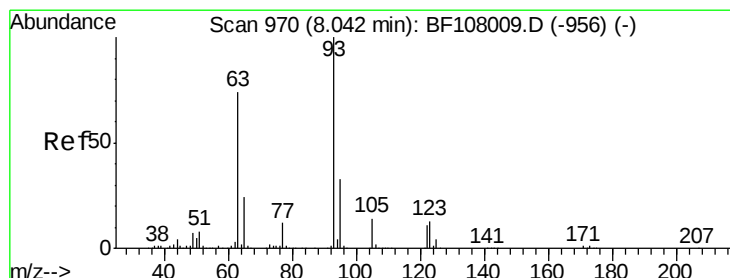
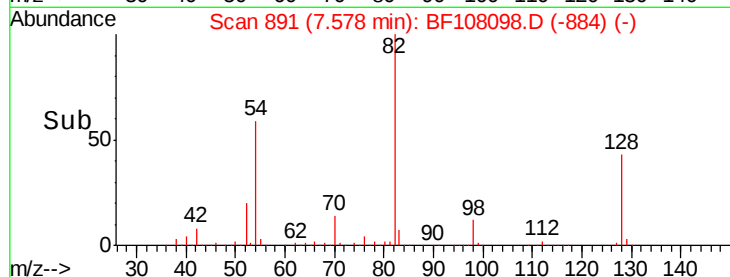
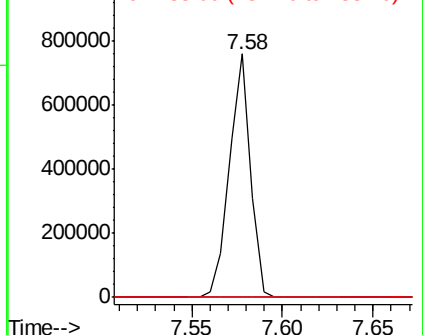
82 100

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: 8.07 min Scan# 974

Delta R.T. 0.02 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

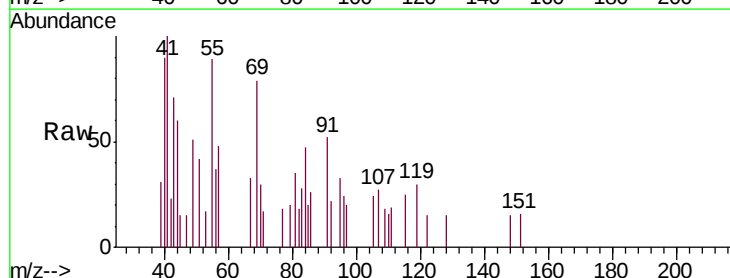
Tgt Ion: 122 Resp: 113

Ion Ratio Lower Upper

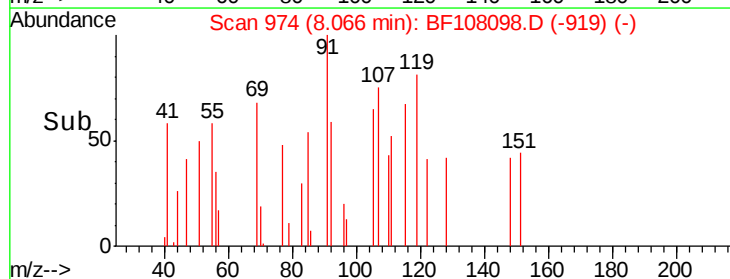
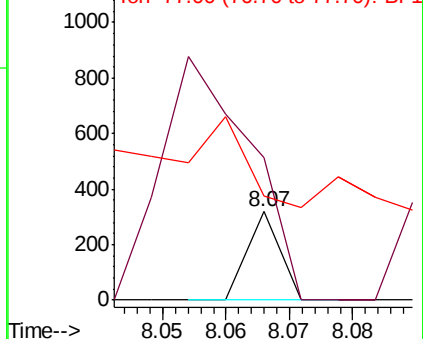
122 100

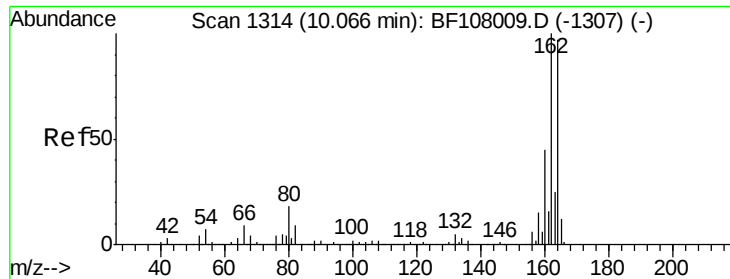
105 160.5 101.1 141.1#

77 117.9 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: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-K

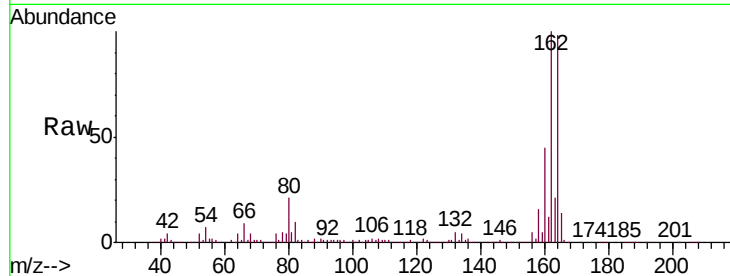
Tgt Ion:164 Resp: 420390

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

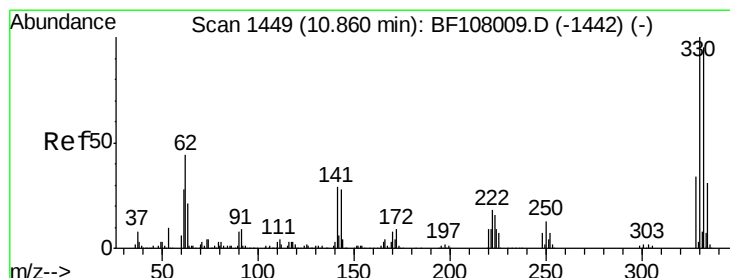
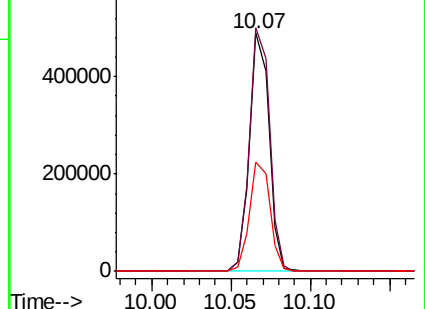
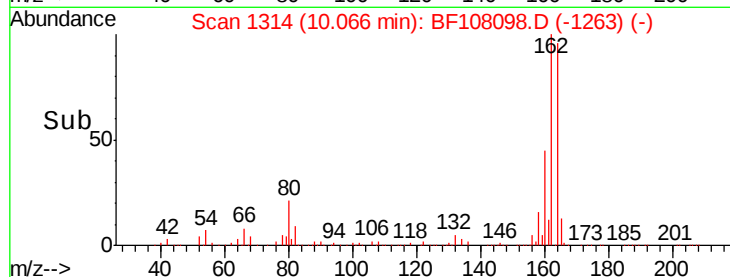
160 45.7 38.3 57.5



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: 40.696 ng

RT: 10.86 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

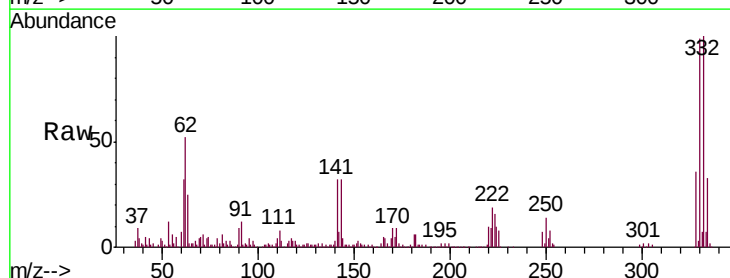
Tgt Ion:330 Resp: 170650

Ion Ratio Lower Upper

330 100

332 100.4 77.0 115.6

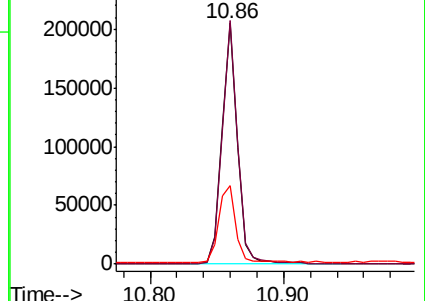
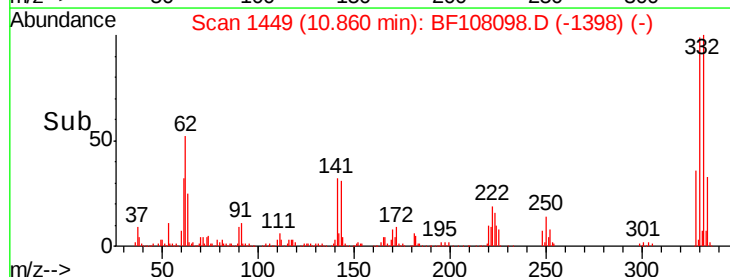
141 35.0 29.9 44.9



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

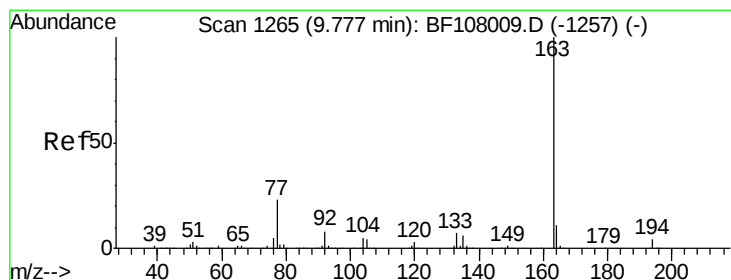
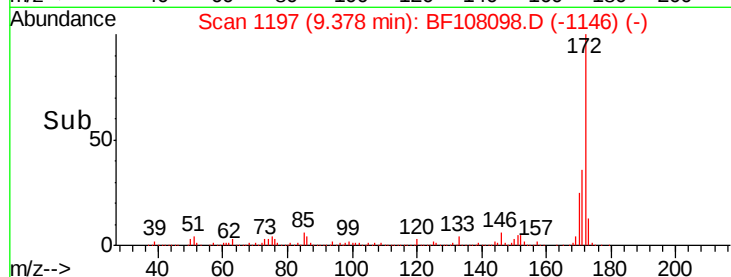
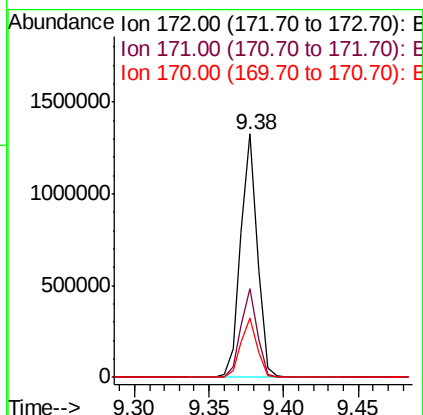
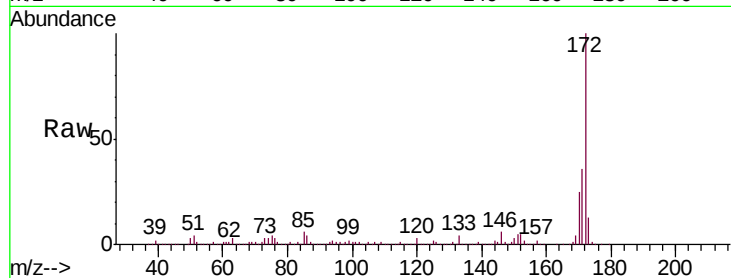




#44
 2-Fluorobiphenyl
 Concen: 39.606 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

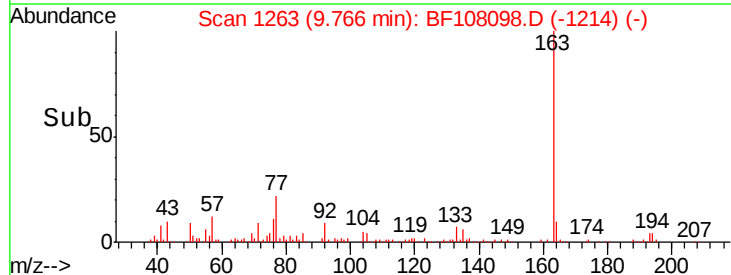
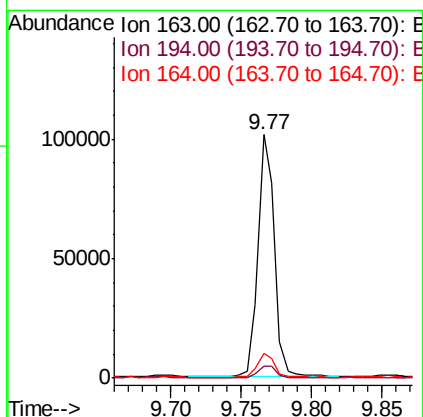
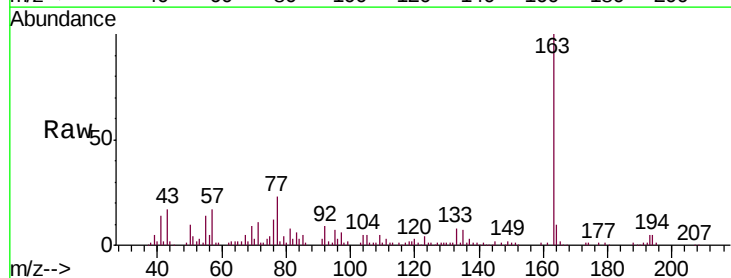
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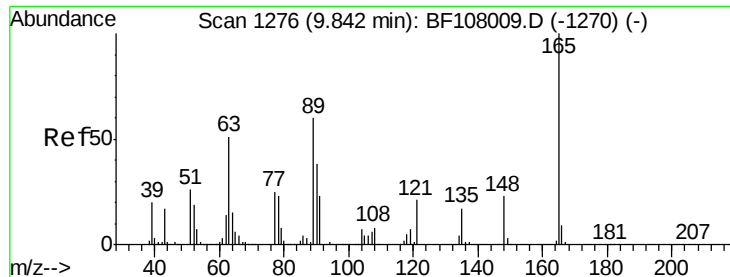
Tgt Ion:172 Resp: 1037075
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 24.6 19.6 29.4



#49
 Dimethylphthalate
 Concen: 2.850 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

Tgt Ion:163 Resp: 83458
 Ion Ratio Lower Upper
 163 100
 194 4.8 2.7 4.1#
 164 10.4 8.2 12.2

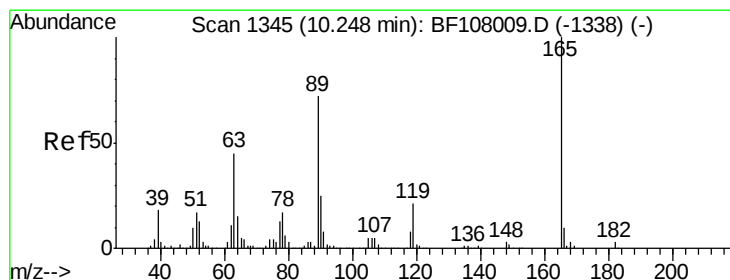
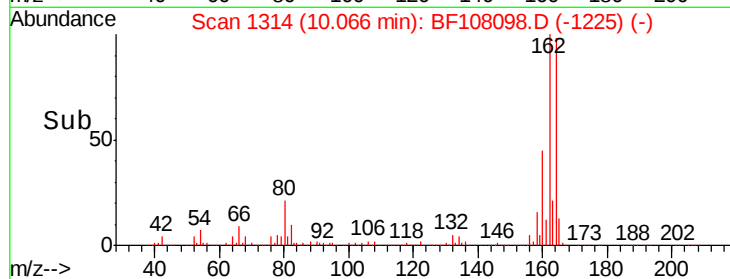
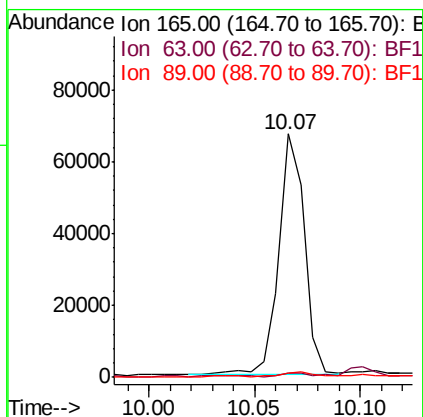
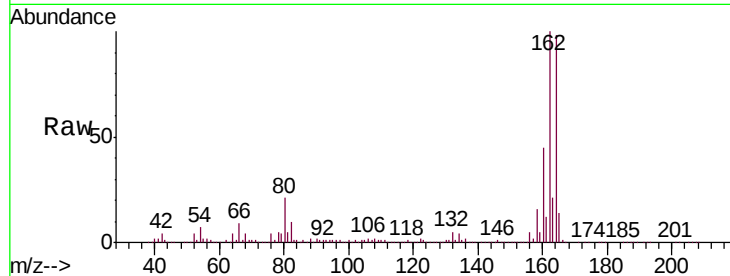




#50
 2,6-Dinitrotoluene
 Concen: 9.313 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.22 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

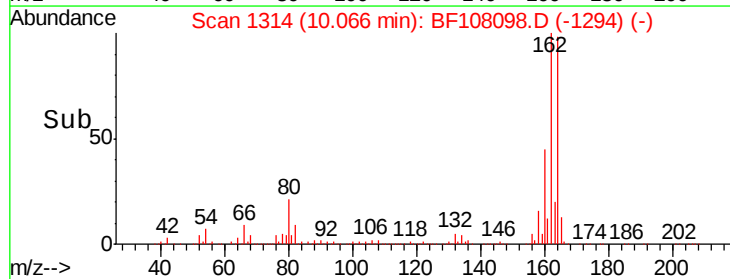
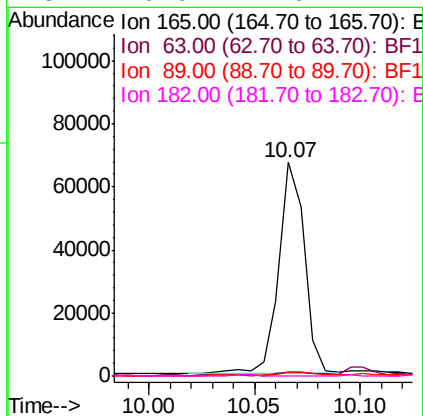
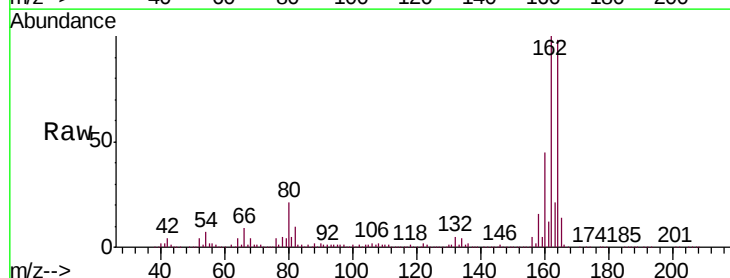
Instrument :
 BNA_F
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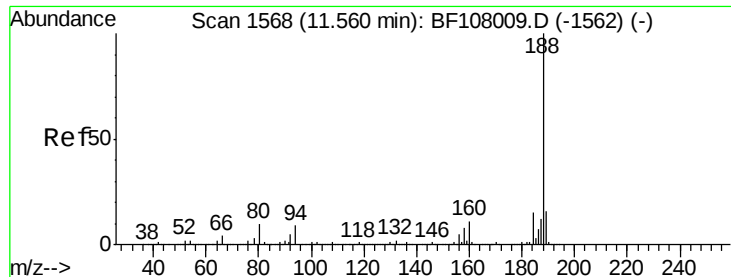
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 7.235 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

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

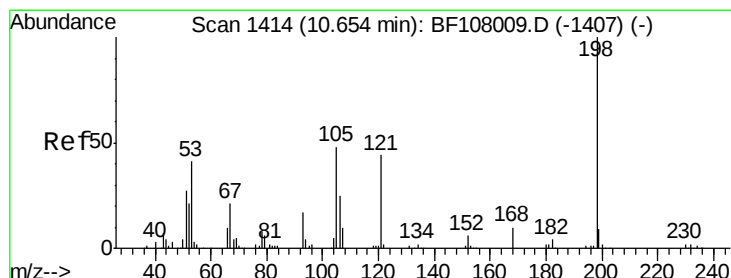
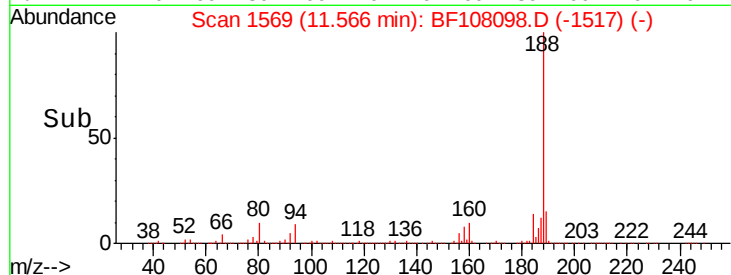
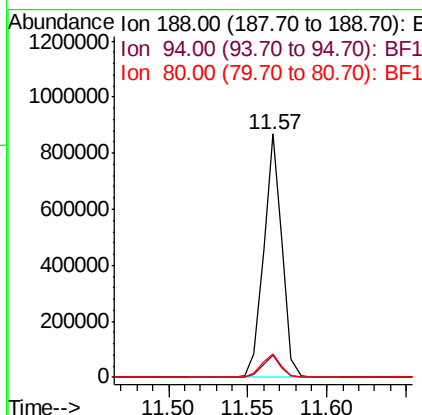
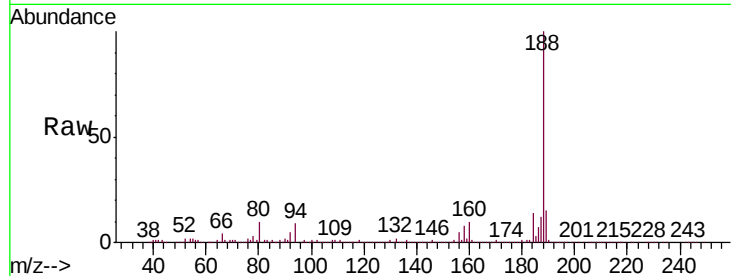




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

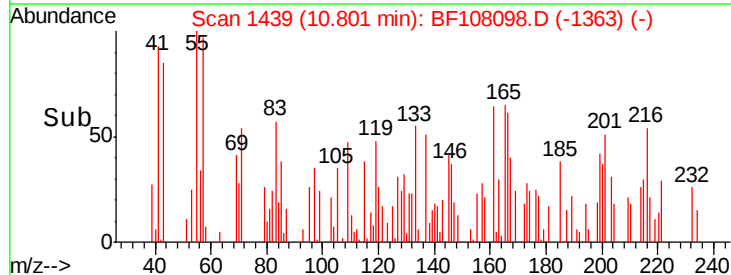
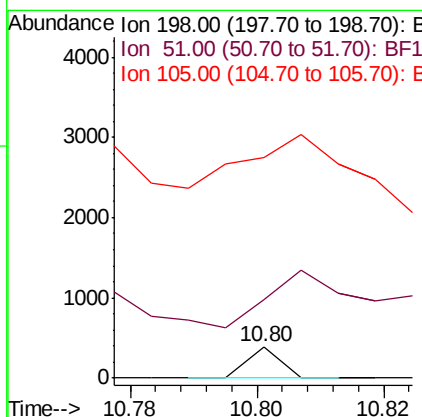
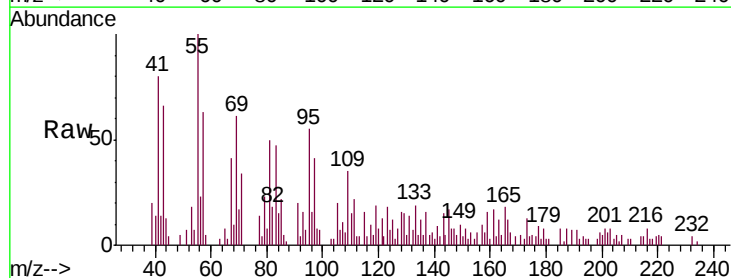
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-K

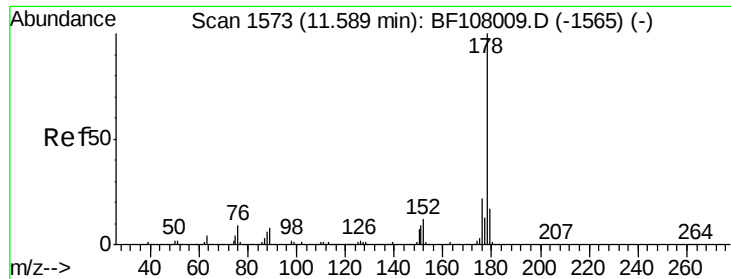
Tgt Ion:188 Resp: 698220
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 9.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.405 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.15 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

Tgt Ion:198 Resp: 137
Ion Ratio Lower Upper
198 100
51 251.8 37.7 77.7#
105 708.2 36.3 76.3#

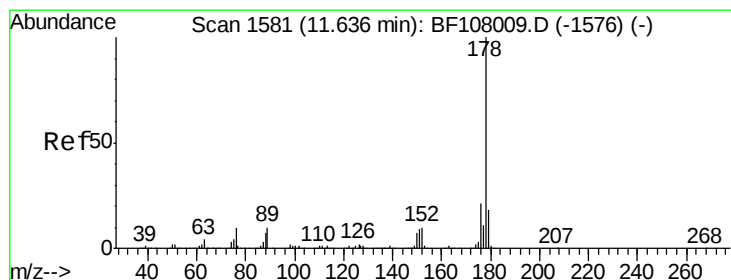
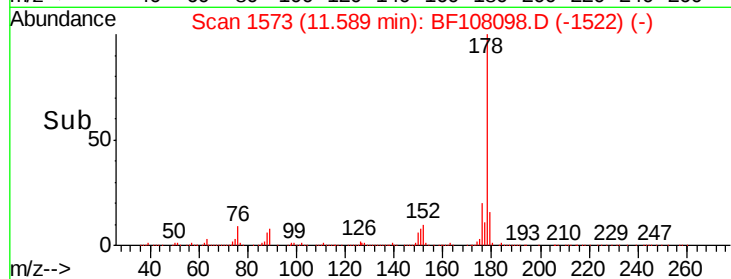
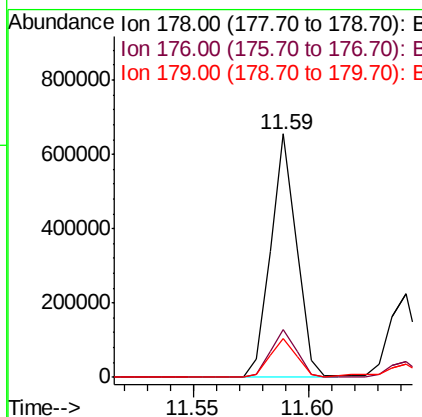
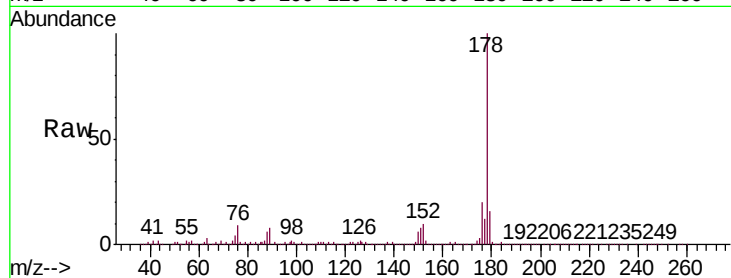




#70
Phenanthrene
Concen: 15.445 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

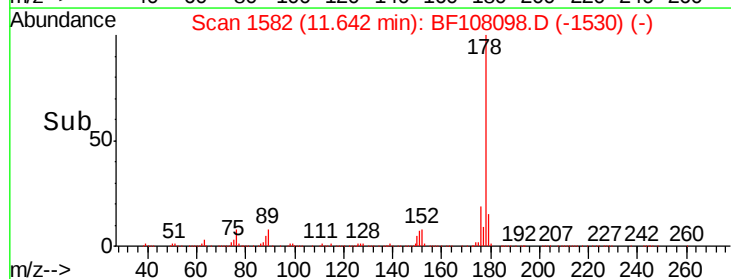
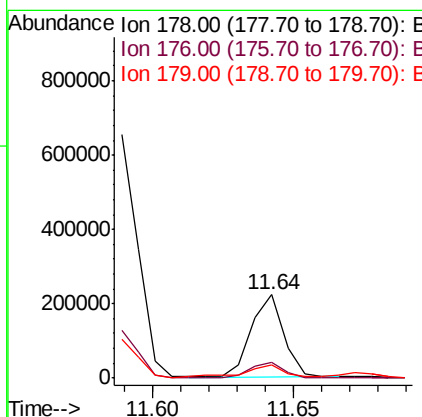
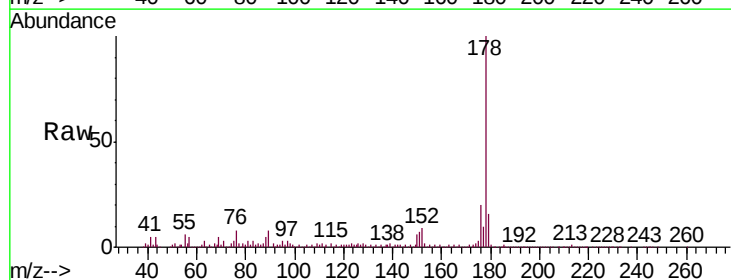
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-K

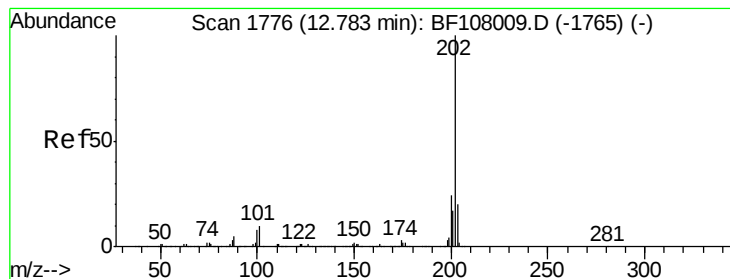
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	16.1	13.0	19.6



#71
Anthracene
Concen: 5.266 ng
RT: 11.64 min Scan# 1582
Delta R.T. 0.01 min
Lab File: BF108098.D
Acq: 10 Aug 2018 21:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	16.0	12.6	19.0





#74

Fluoranthene

Concen: 34.145 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-K

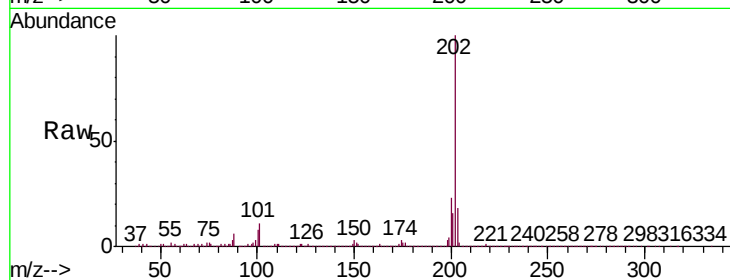
Tgt Ion:202 Resp: 1227232

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

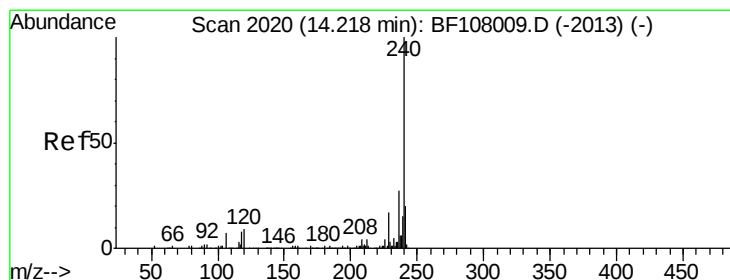
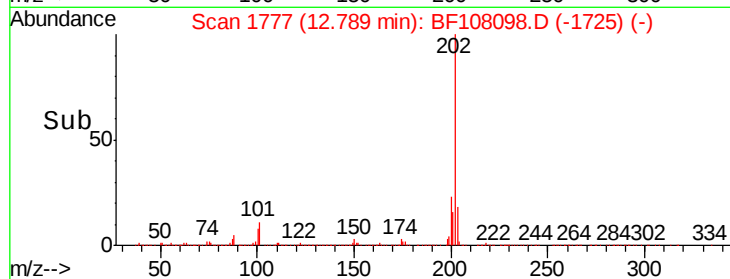
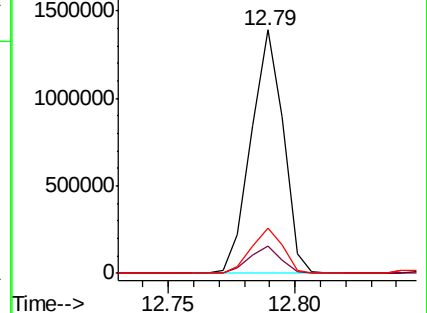
203 18.4 0.0 38.1



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: BF108098.D

Acq: 10 Aug 2018 21:46

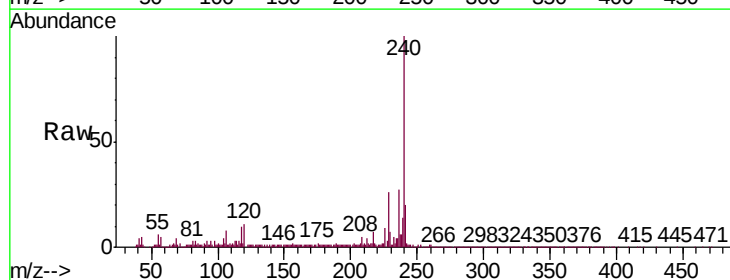
Tgt Ion:240 Resp: 519458

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

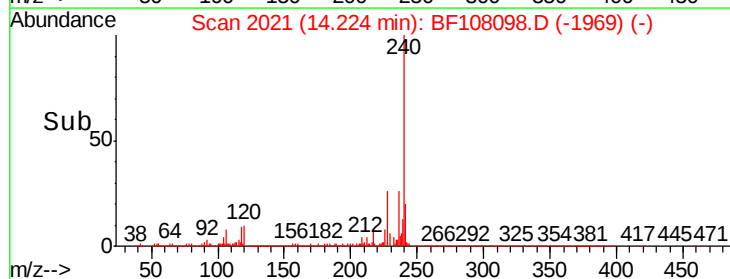
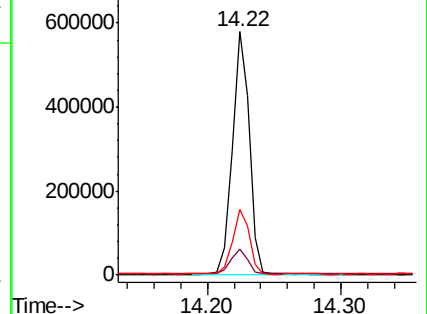
236 26.9 20.7 31.1

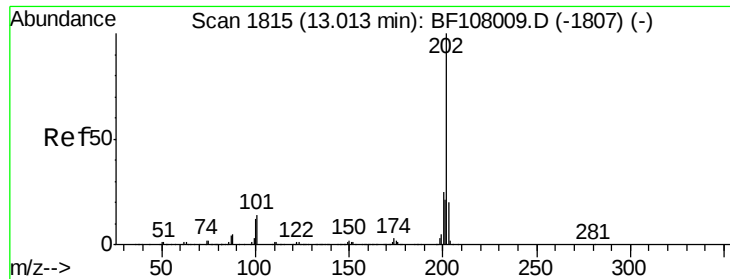


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

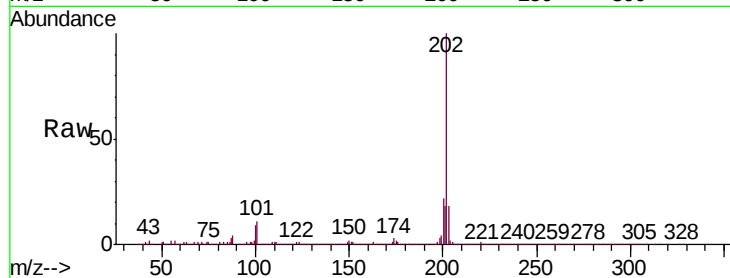




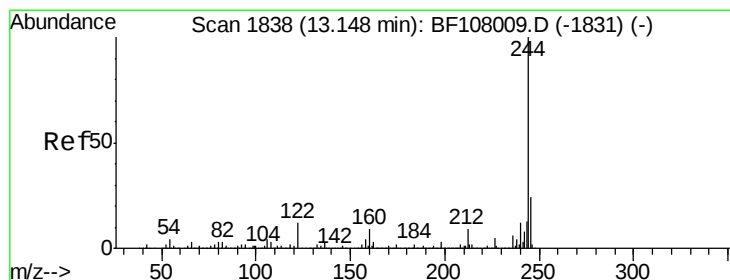
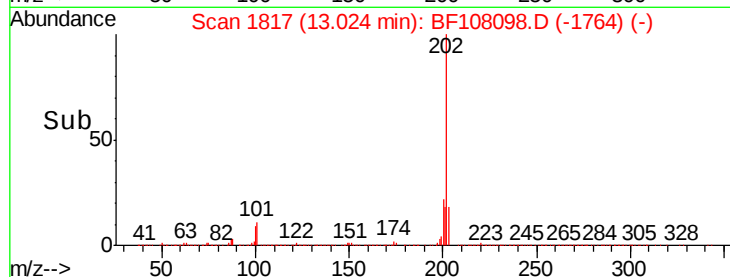
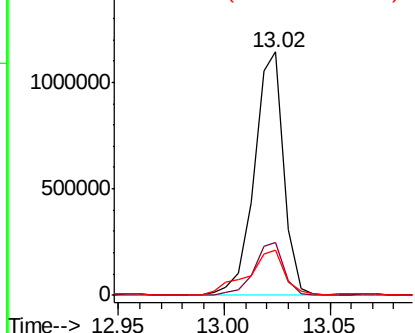
#77
 Pyrene
 Concen: 33.550 ng
 RT: 13.02 min Scan# 1817
 Delta R.T. 0.01 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

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

Tgt Ion:202 Resp: 1103359
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.4 26.2
 203 18.4 14.3 21.5

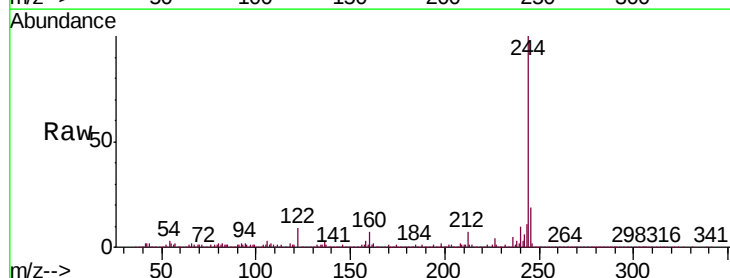


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

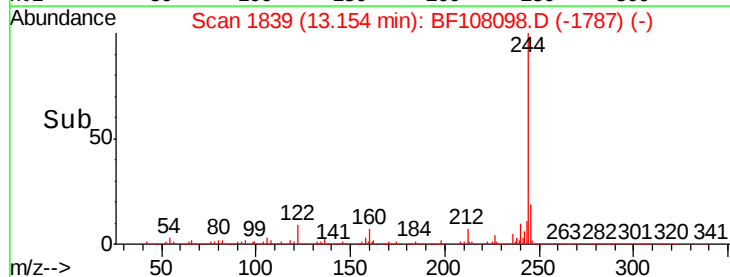
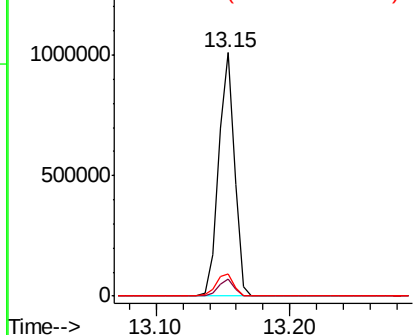


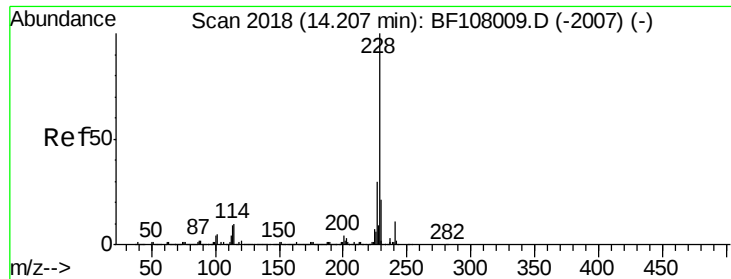
#78
 Terphenyl-d14
 Concen: 41.537 ng
 RT: 13.15 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

Tgt Ion:244 Resp: 848622
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 9.3 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: 19.245 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-K

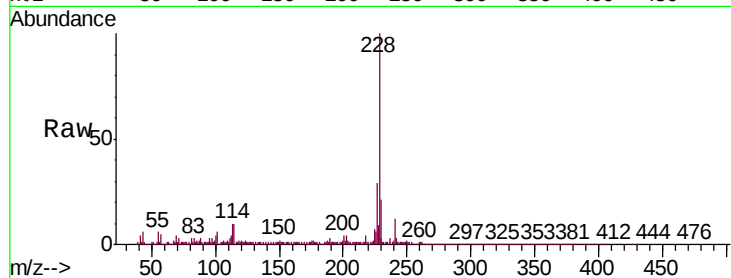
Tgt Ion:228 Resp: 573730

Ion Ratio Lower Upper

228 100

226 28.5 22.6 33.8

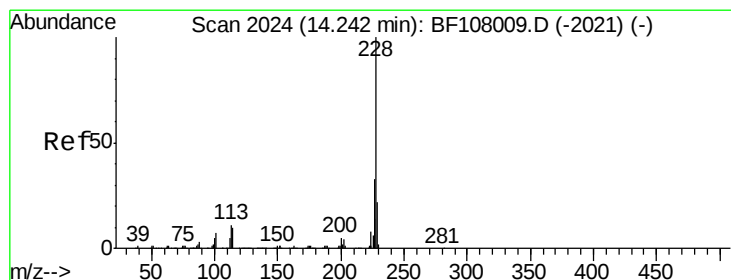
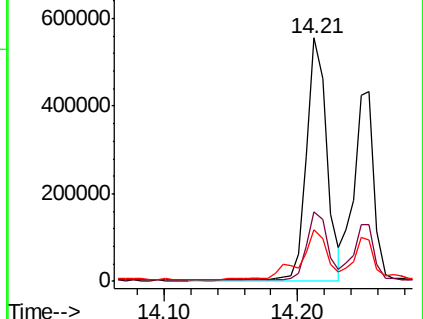
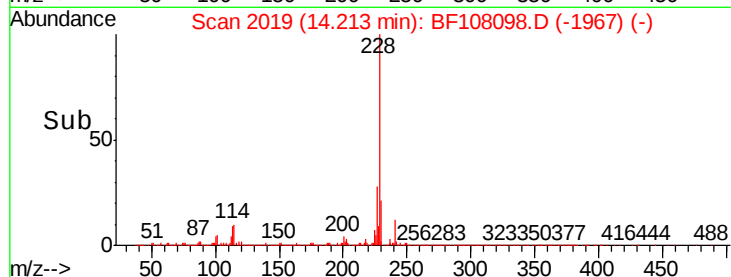
229 21.2 15.8 23.6



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: 16.584 ng

RT: 14.25 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

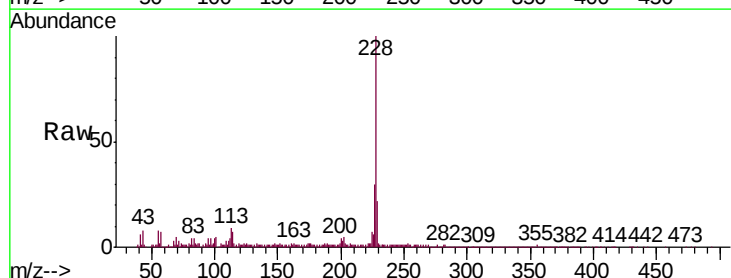
Tgt Ion:228 Resp: 453258

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

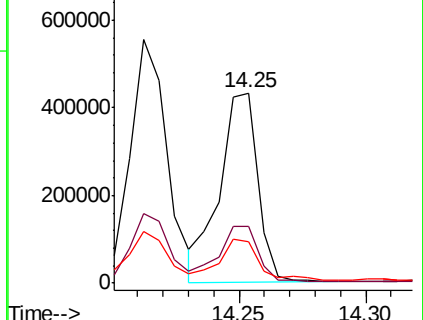
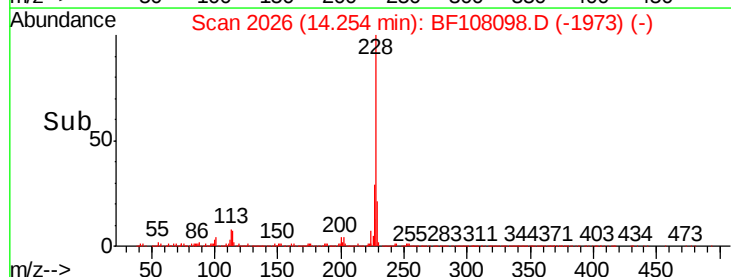
229 22.1 16.2 24.4

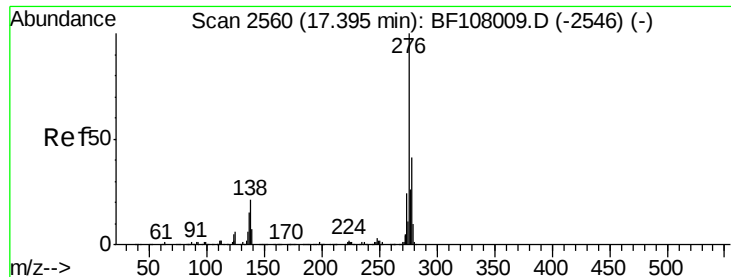


Abundance Ion 228.00 (227.70 to 228.70): E

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: 7.697 ng

RT: 17.42 min Scan# 2565

Delta R.T. 0.03 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-K

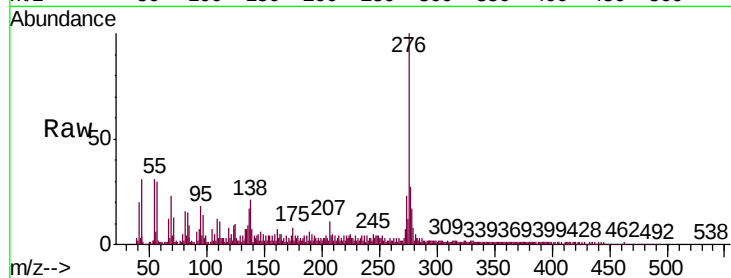
Tgt Ion:276 Resp: 182269

Ion Ratio Lower Upper

276 100

138 19.4 25.0 37.6#

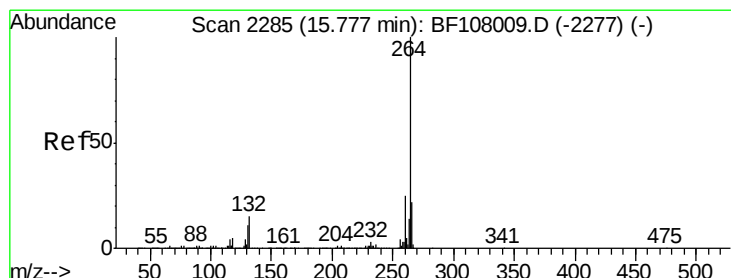
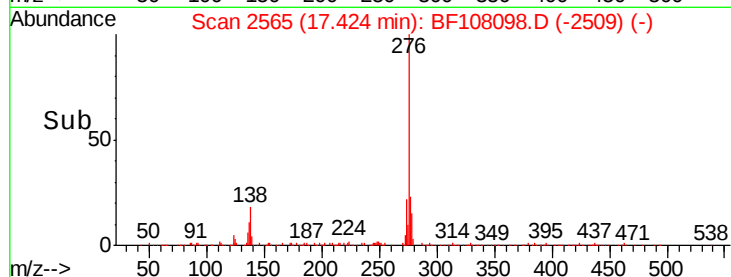
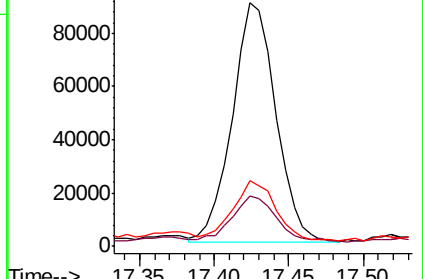
277 24.2 20.1 30.1



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: 15.80 min Scan# 2289

Delta R.T. 0.02 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

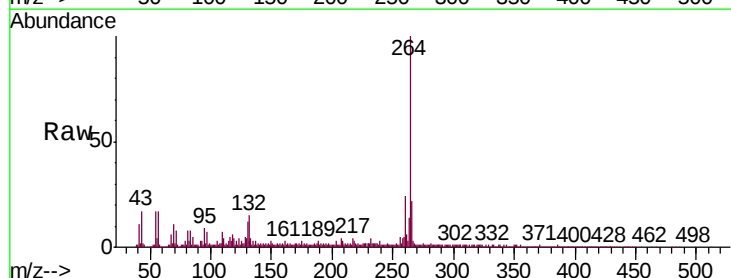
Tgt Ion:264 Resp: 363667

Ion Ratio Lower Upper

264 100

260 24.5 19.2 28.8

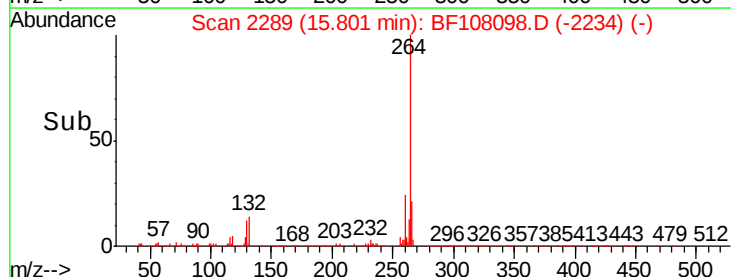
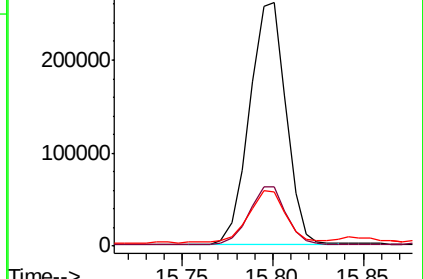
265 22.2 17.5 26.3

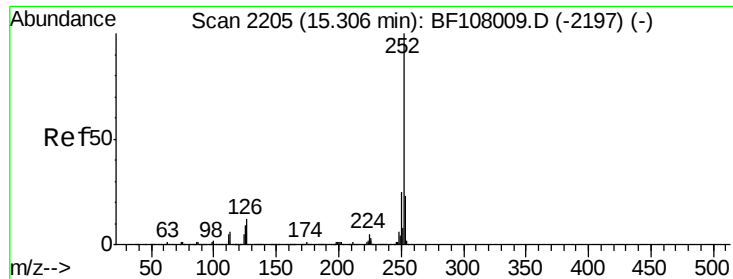


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

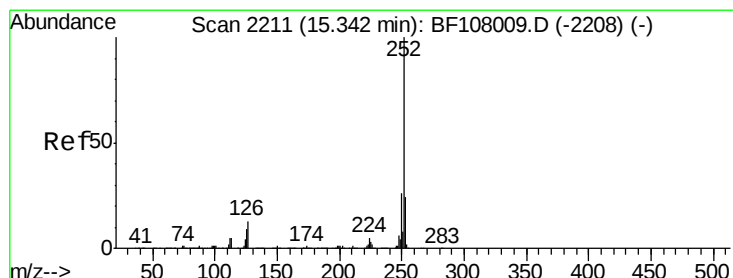
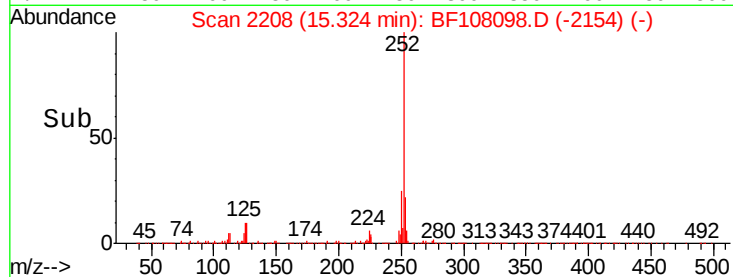
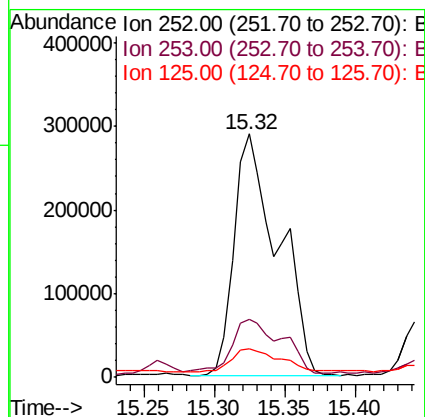
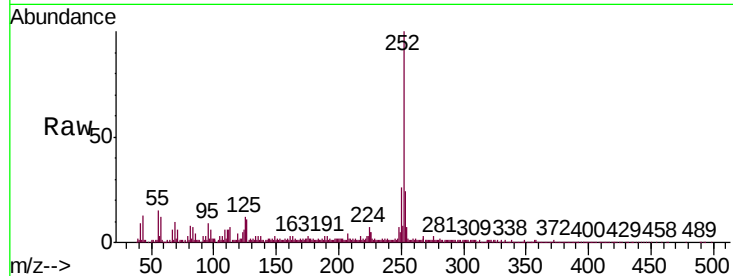




#87
 Benzo(b)fluoranthene
 Concen: 28.894 ng
 RT: 15.32 min Scan# 2208
 Delta R.T. 0.02 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

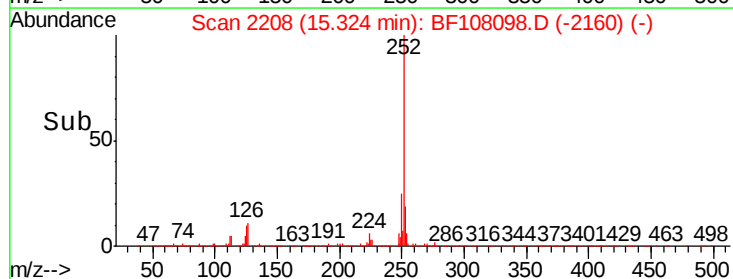
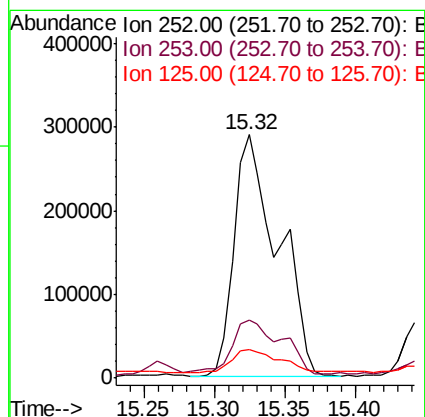
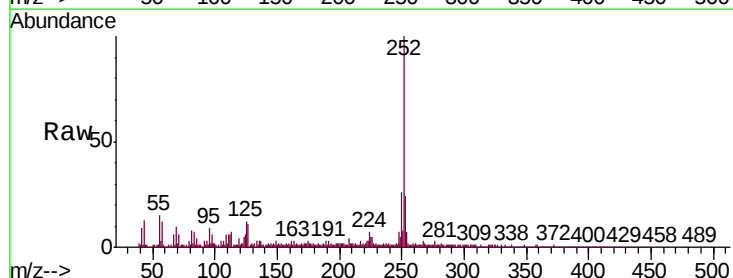
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-080918-K

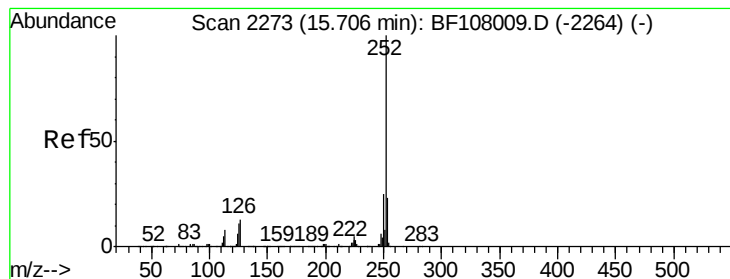
Tgt Ion:	252	Resp:	627892
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	11.9	9.0	13.6



#88
 Benzo(k)fluoranthene
 Concen: 31.433 ng
 RT: 15.32 min Scan# 2208
 Delta R.T. -0.02 min
 Lab File: BF108098.D
 Acq: 10 Aug 2018 21:46

Tgt Ion:	252	Resp:	627892
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	11.9	10.2	15.2





#89

Benzo(a)pyrene

Concen: 16.517 ng

RT: 15.73 min Scan# 2277

Delta R.T. 0.02 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-K

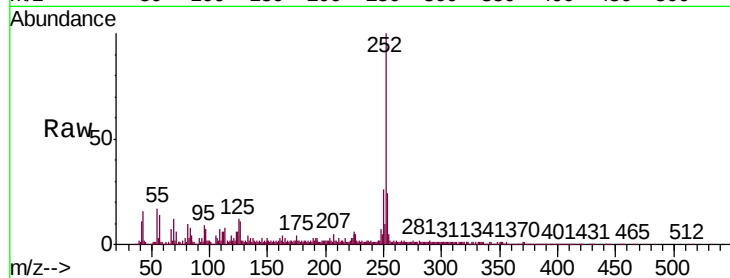
Tgt Ion:252 Resp: 321414

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

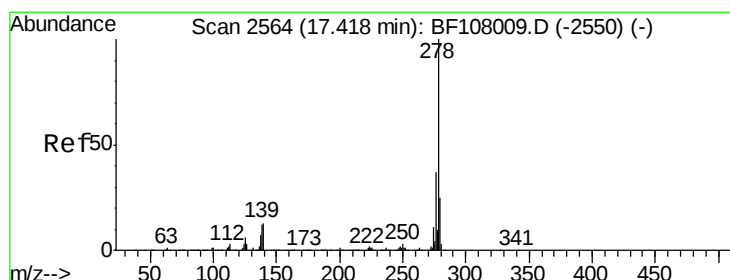
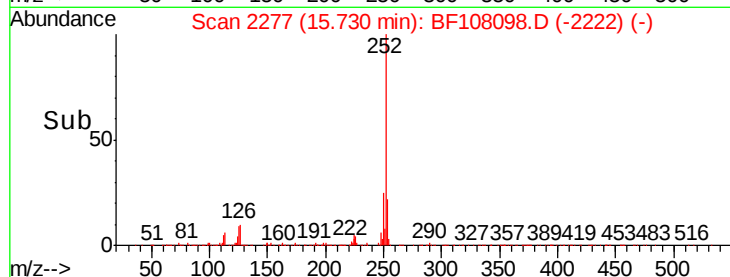
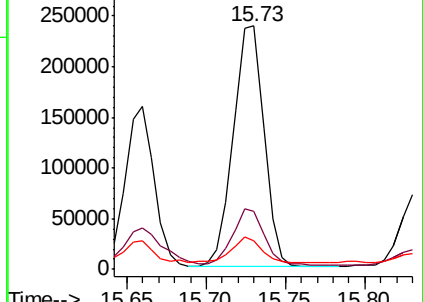
125 11.8 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.802 ng

RT: 17.44 min Scan# 2567

Delta R.T. 0.02 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

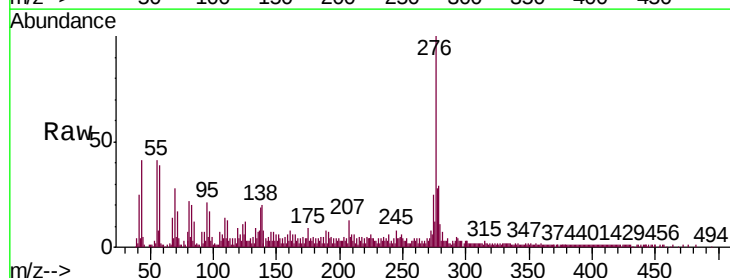
Tgt Ion:278 Resp: 45113

Ion Ratio Lower Upper

278 100

139 28.9 15.9 23.9#

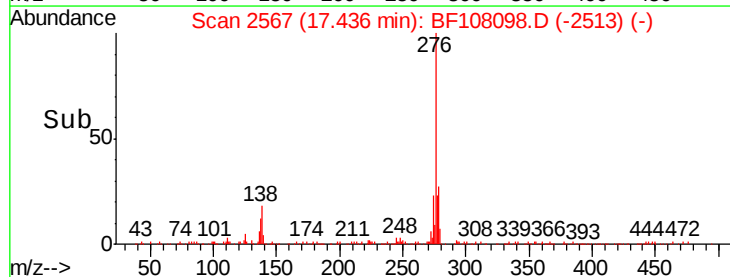
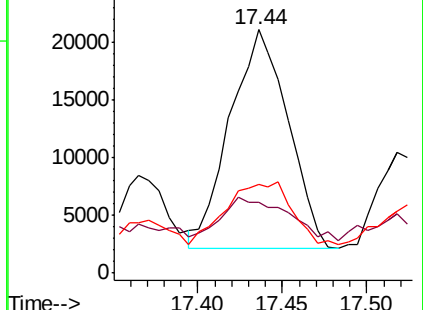
279 36.7 19.0 28.4#

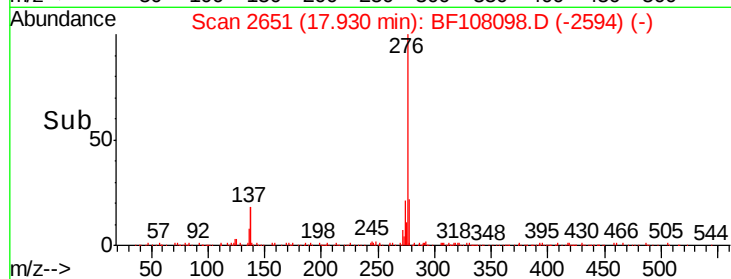
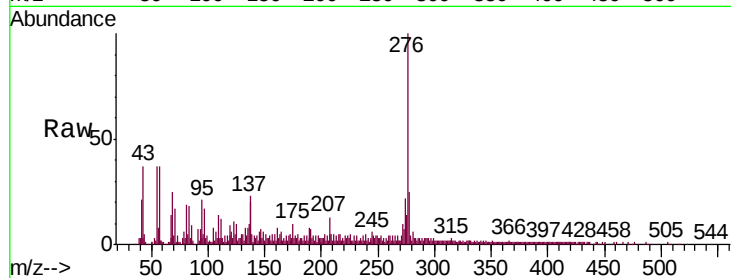
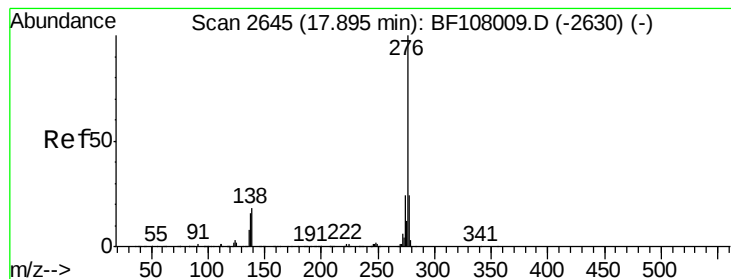


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 10.384 ng

RT: 17.93 min Scan# 2651

Delta R.T. 0.04 min

Lab File: BF108098.D

Acq: 10 Aug 2018 21:46

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-K

Tgt Ion: 276 Resp: 164627

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 20.4 21.8 32.8#

