

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108093.D
 Acq On : 10 Aug 2018 19:28
 Operator : JU/SJ
 Sample : J4272-03 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Aug 10 23:13:03 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

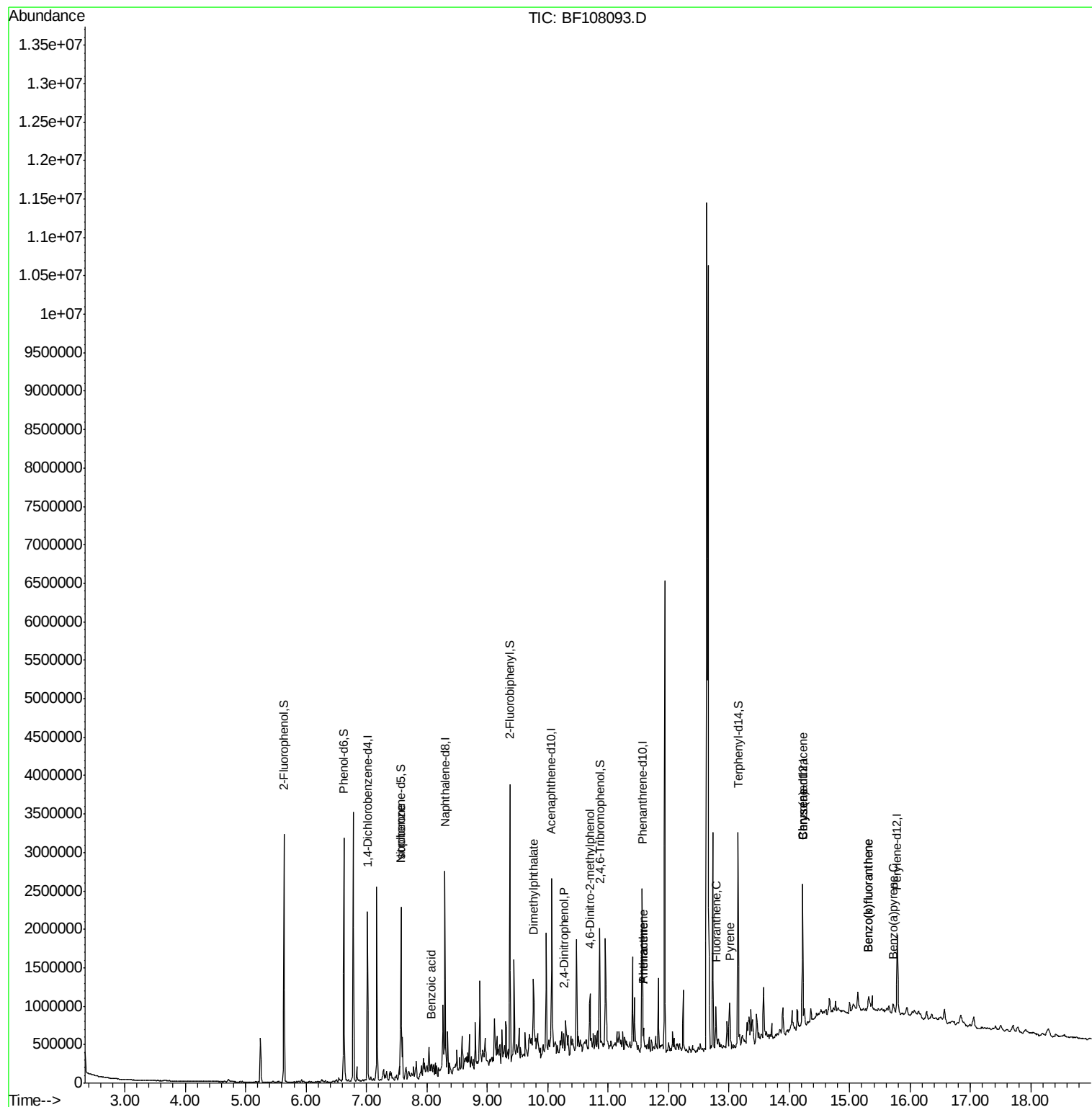
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	272407	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	960248	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	416725	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	699020	20.00	ng	0.00
75) Chrysene-d12	14.22	240	646970	20.00	ng	0.00
86) Perylene-d12	15.79	264	452969	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	747284	49.67	ng	0.00
7) Phenol-d6	6.63	99	990146	49.52	ng	0.00
23) Nitrobenzene-d5	7.58	82	614469	35.71	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	184802	44.46	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	1012367	39.00	ng	0.00
78) Terphenyl-d14	13.15	244	907081	35.65	ng	0.00
Target Compounds						
25) Isophorone	7.58	82	614760	18.743	ng	# 64
32) Benzoic acid	8.08	122	261	6.001	ng	# 1
49) Dimethylphthalate	9.77	163	107290	3.696	ng	# 99
53) 2,4-Dinitrophenol	10.27	184	149	7.081	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	123	5.400	ng	# 1
70) Phenanthrene	11.59	178	73678	2.235	ng	100
71) Anthracene	11.59	178	73678	2.180	ng	99
74) Fluoranthene	12.78	202	166509	4.627	ng	96
77) Pyrene	13.02	202	177163	4.325	ng	98
80) Benzo(a)anthracene	14.21	228	90911	2.448	ng	# 93
82) Chrysene	14.21	228	90911	2.671	ng	97
87) Benzo(b)fluoranthene	15.31	252	117048	4.324	ng	# 87
88) Benzo(k)fluoranthene	15.31	252	117048	4.704	ng	# 90
89) Benzo(a)pyrene	15.72	252	57198	2.360	ng	# 85

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

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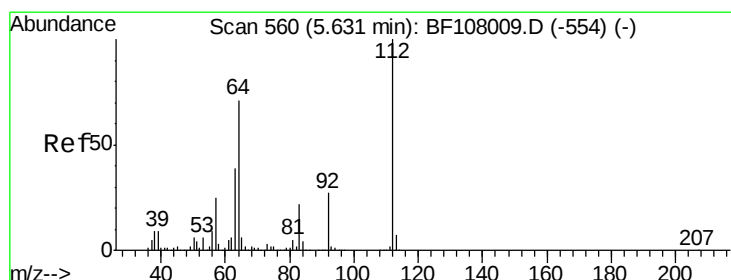
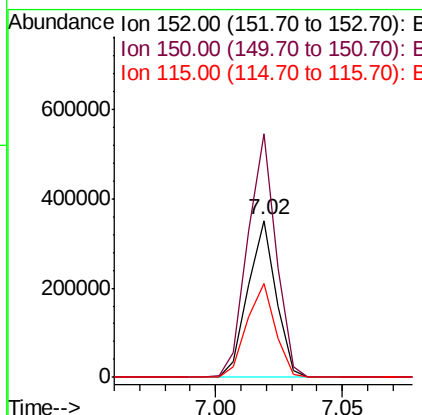
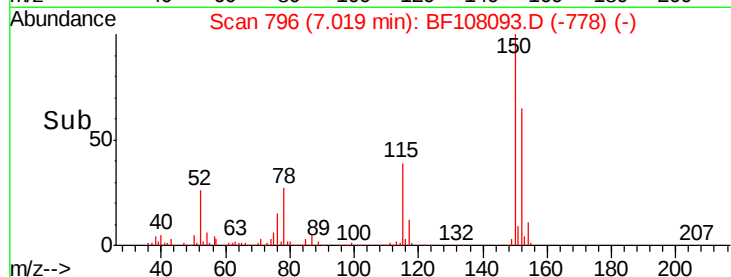
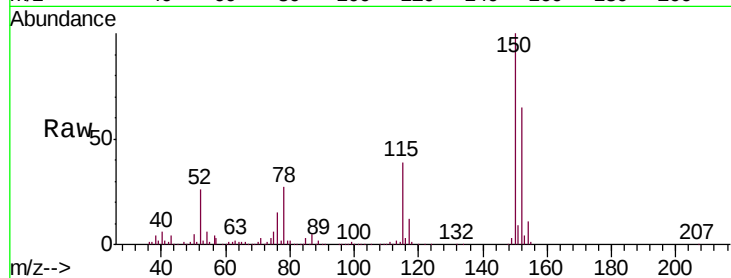


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

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

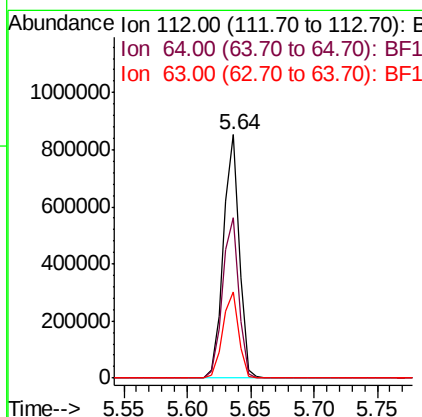
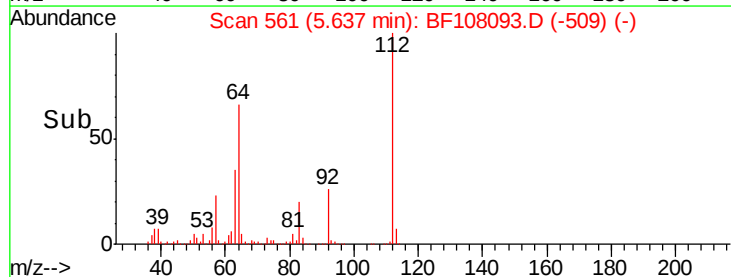
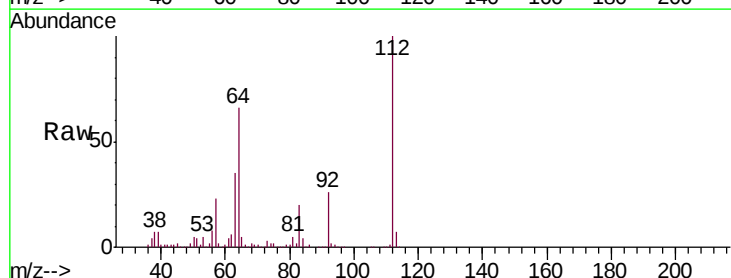
Tgt Ion:152 Resp: 272407
Ion Ratio Lower Upper
152 100
150 154.9 124.6 186.8
115 59.7 50.1 75.1

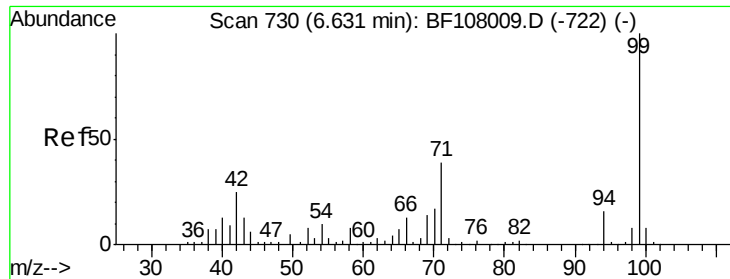


#5

2-Fluorophenol
Concen: 49.666 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

Tgt Ion:112 Resp: 747284
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 35.2 23.7 35.5





#7

Phenol-d6

Concen: 49.521 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108093.D

Acq: 10 Aug 2018 19:28

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-B

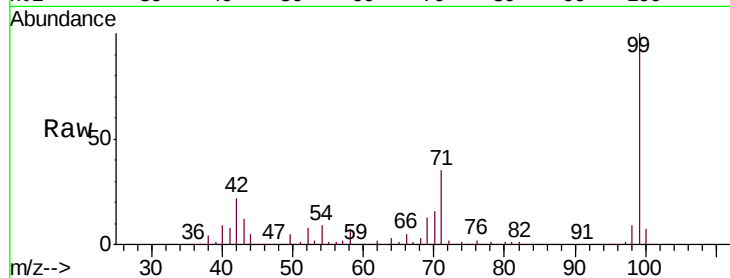
Tgt Ion: 99 Resp: 990146

Ion Ratio Lower Upper

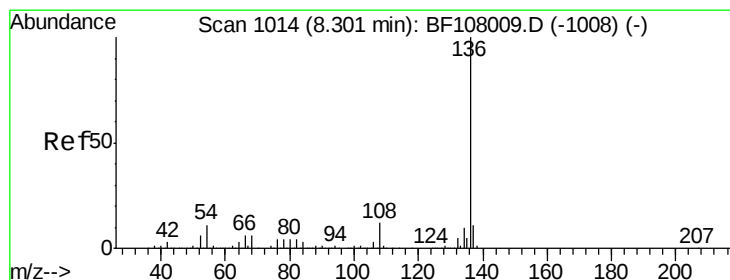
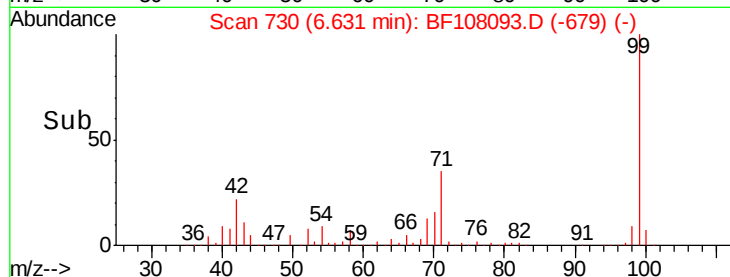
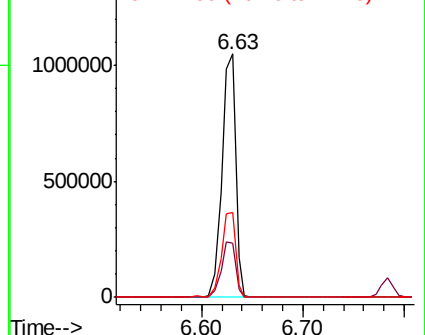
99 100

42 22.1 14.5 21.7#

71 34.7 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108093.D

Acq: 10 Aug 2018 19:28

Tgt Ion: 136 Resp: 960248

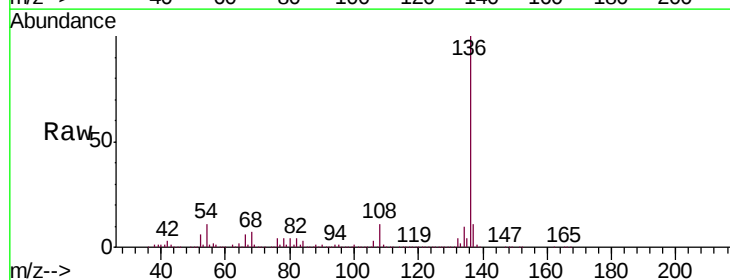
Ion Ratio Lower Upper

136 100

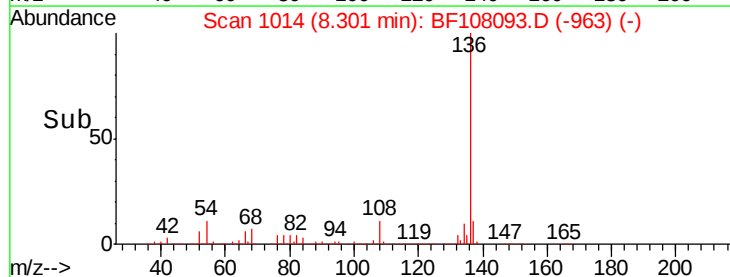
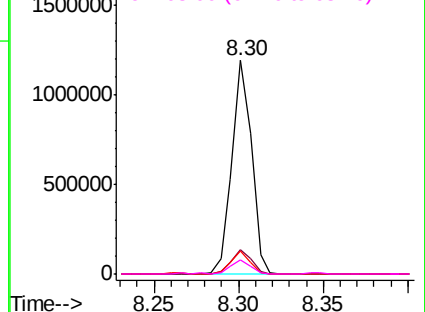
137 11.3 8.9 13.3

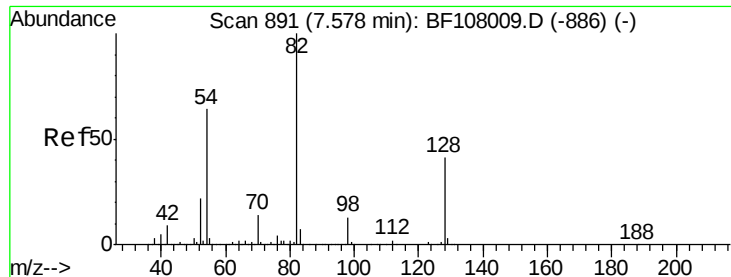
54 10.7 6.6 9.8#

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

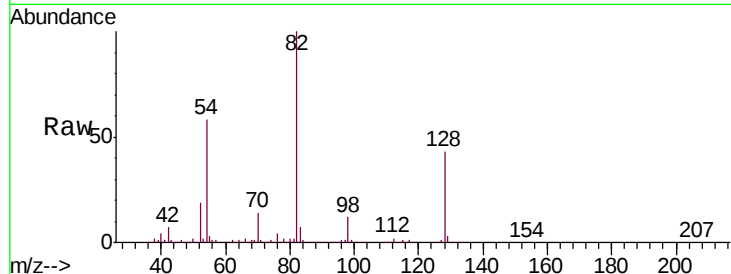




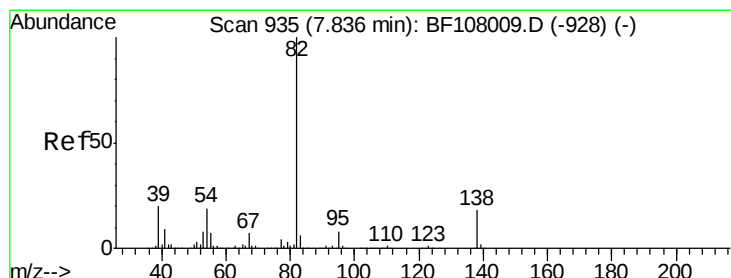
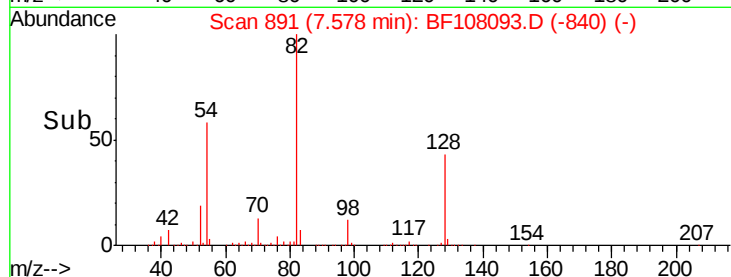
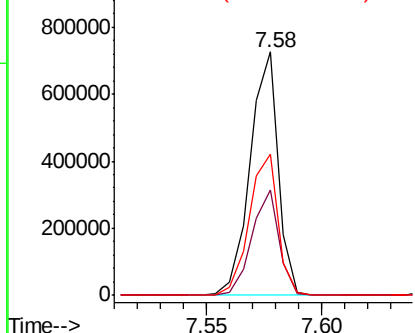
#23
Nitrobenzene-d5
Concen: 35.708 ng
RT: 7.58 min Scan# 891
Delta R.T. 0.00 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

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

Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.2	36.1	54.1
54	58.0	41.4	62.2

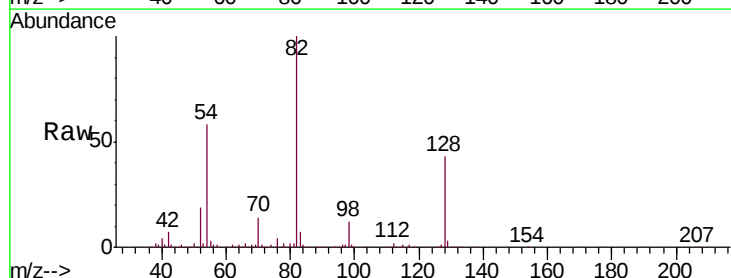


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

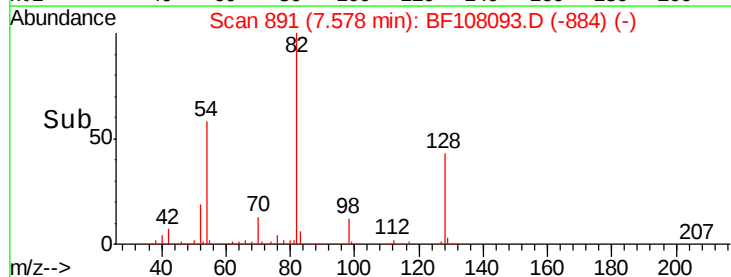
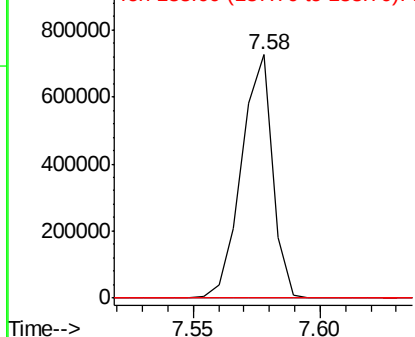


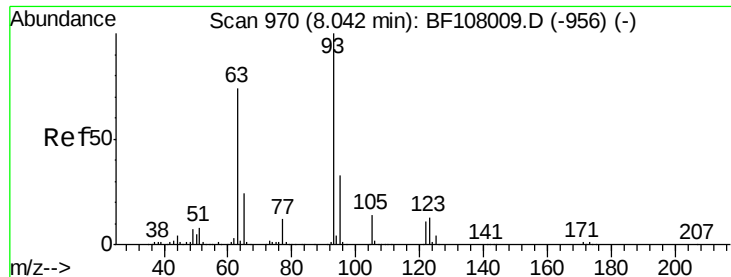
#25
Isophorone
Concen: 18.743 ng
RT: 7.58 min Scan# 891
Delta R.T. -0.26 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.2	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

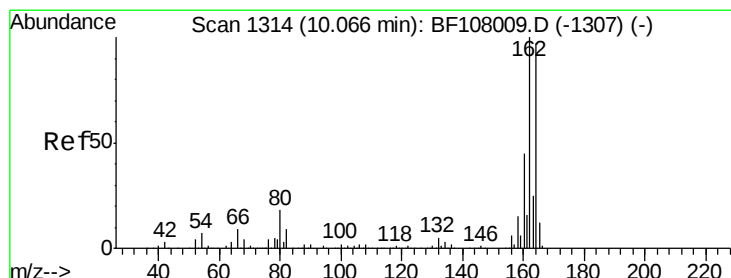
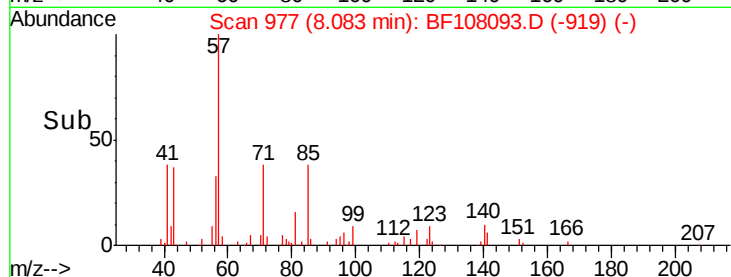
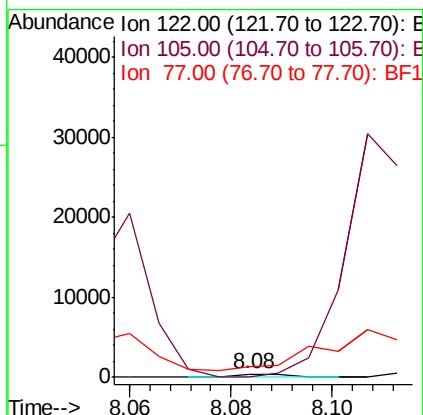
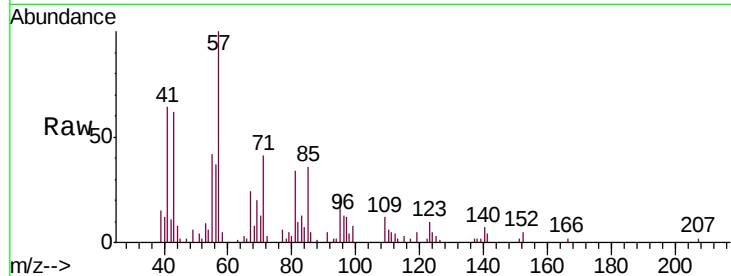




#32
Benzoic acid
Concen: 6.001 ng
RT: 8.08 min Scan# 977
Delta R.T. 0.04 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

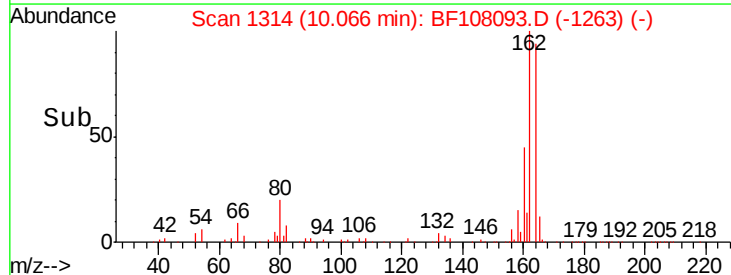
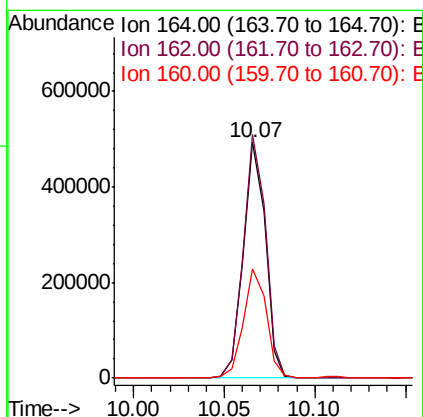
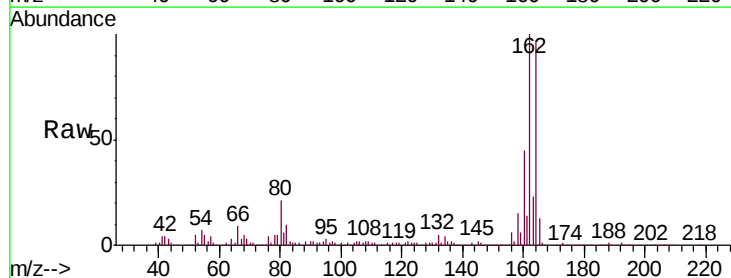
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-B

Tgt Ion:122 Resp: 261
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 319.0 70.7 110.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

Tgt Ion:164 Resp: 416725
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 46.4 38.3 57.5

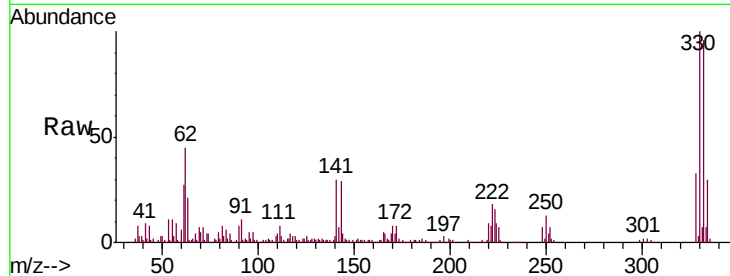




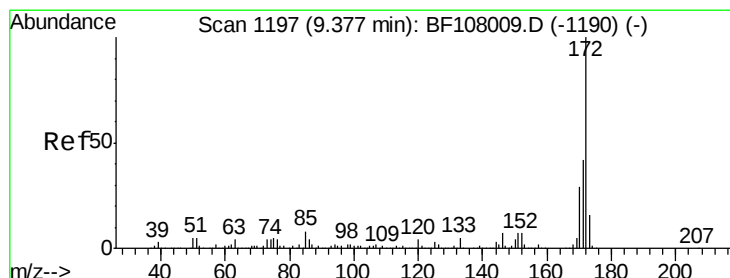
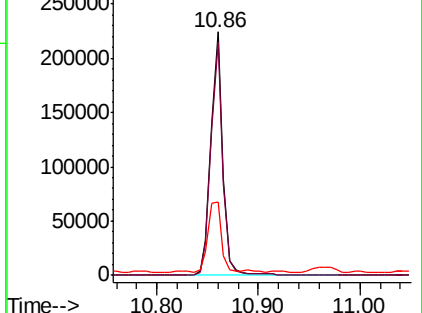
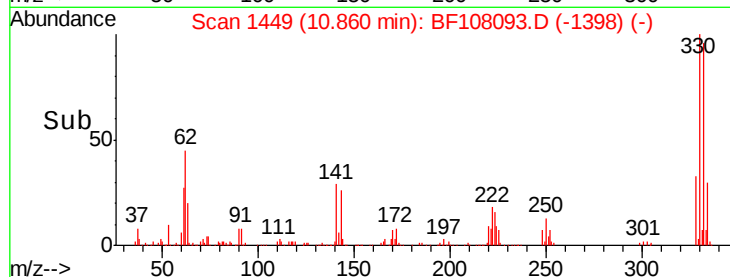
#41
 2,4,6-Tribromophenol
 Concen: 44.459 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108093.D
 Acq: 10 Aug 2018 19:28

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

Tgt Ion:330 Resp: 184802
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 33.3 29.9 44.9

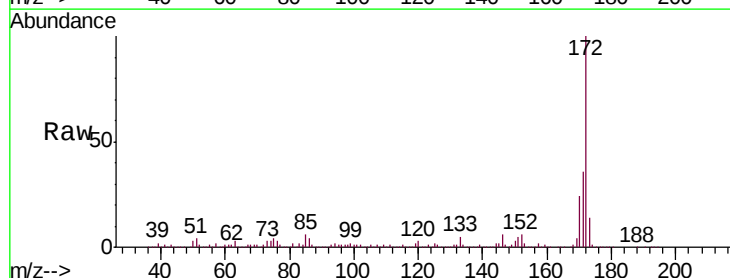


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

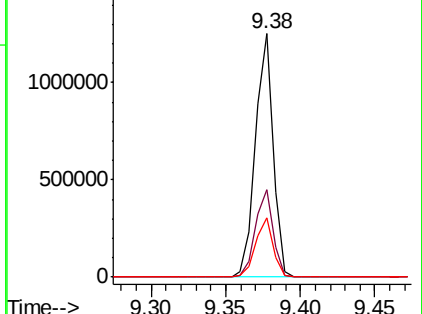
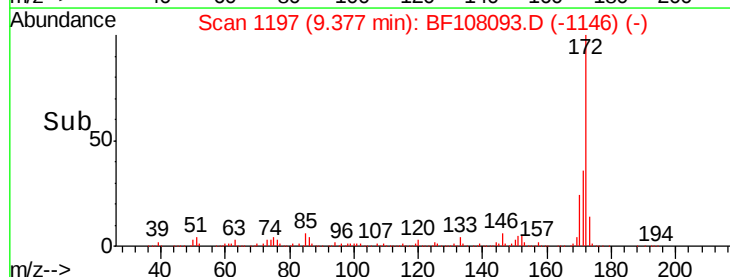


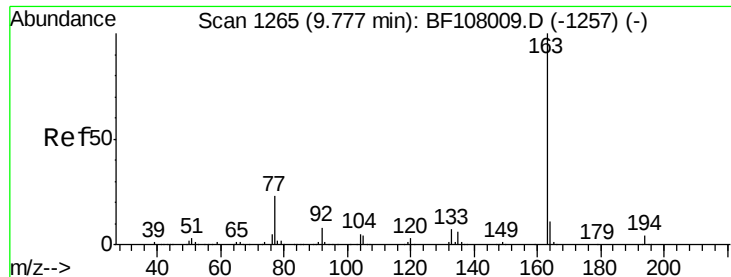
#44
 2-Fluorobiphenyl
 Concen: 39.002 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108093.D
 Acq: 10 Aug 2018 19:28

Tgt Ion:172 Resp: 1012367
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.2 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

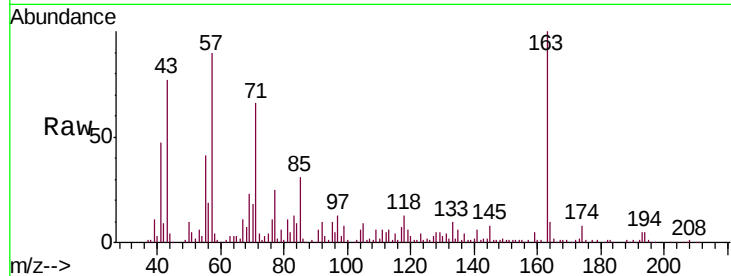




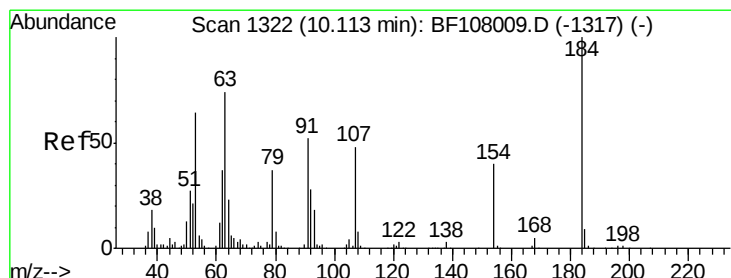
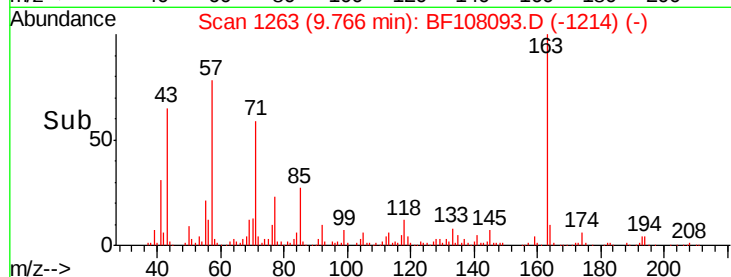
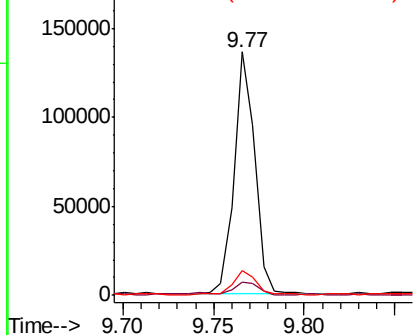
#49
Dimethylphthalate
Concen: 3.696 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

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

Tgt Ion:163 Resp: 107290
Ion Ratio Lower Upper
163 100
194 5.2 2.7 4.1#
164 10.2 8.2 12.2

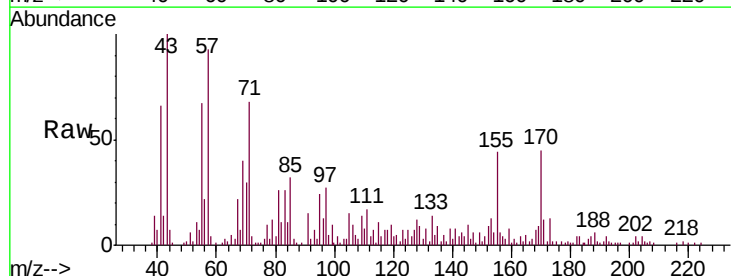


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

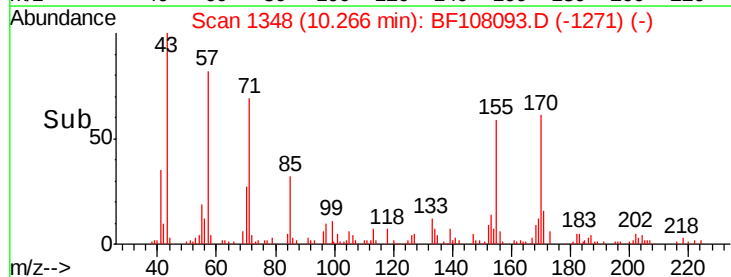
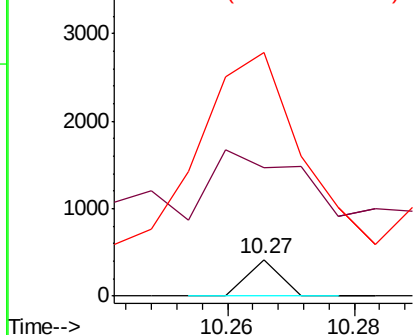


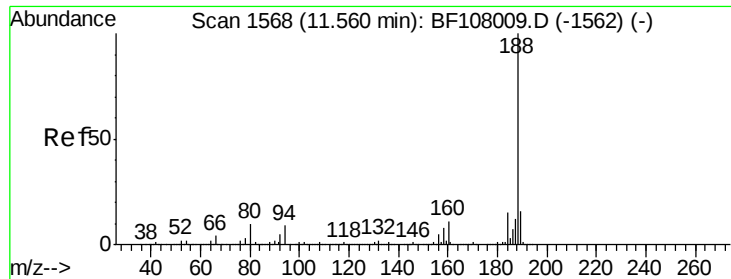
#53
2,4-Dinitrophenol
Concen: 7.081 ng
RT: 10.27 min Scan# 1348
Delta R.T. 0.15 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

Tgt Ion:184 Resp: 149
Ion Ratio Lower Upper
184 100
63 348.3 54.2 81.2#
154 659.5 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

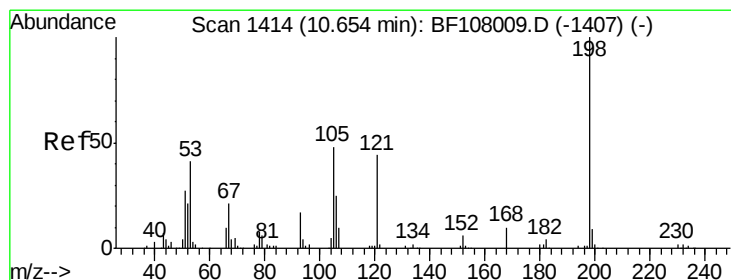
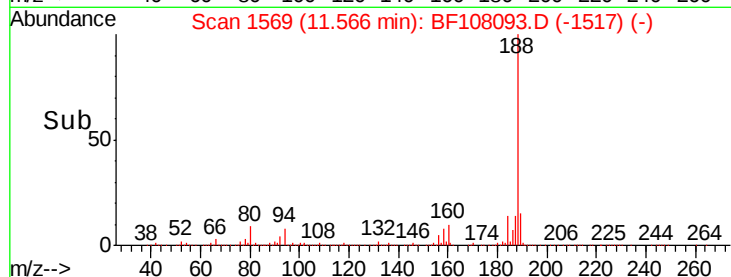
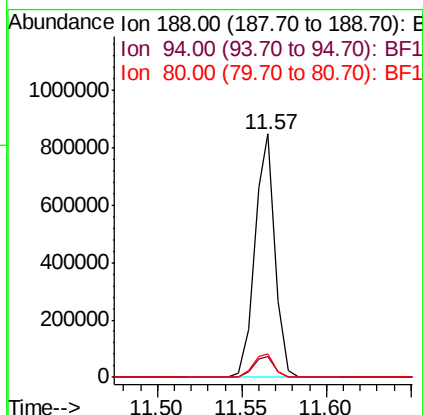
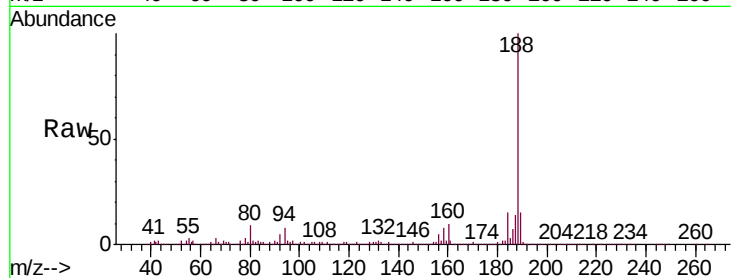




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF108093.D
 Acq: 10 Aug 2018 19:28

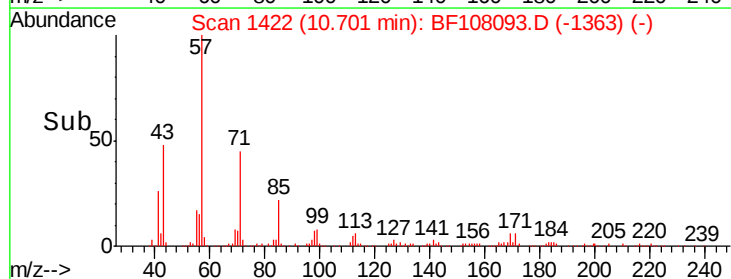
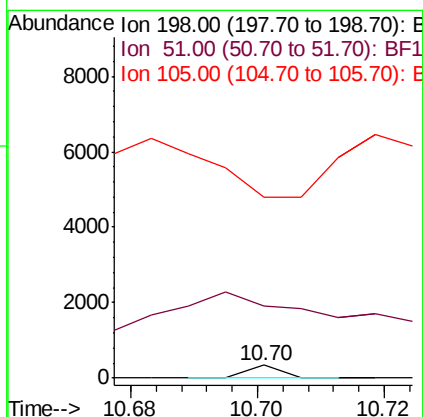
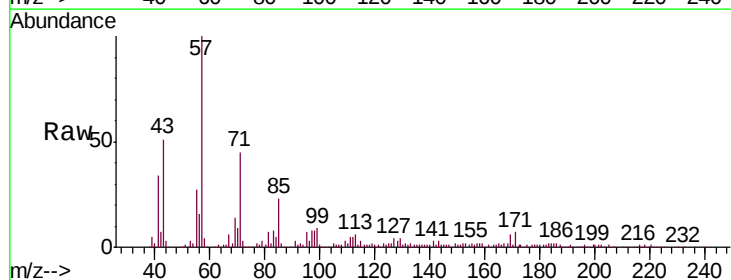
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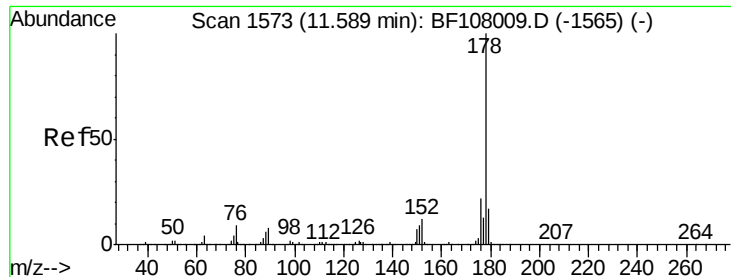
Tgt Ion:188 Resp: 699020
 Ion Ratio Lower Upper
 188 100
 94 8.5 8.5 12.7#
 80 9.4 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.400 ng
 RT: 10.70 min Scan# 1422
 Delta R.T. 0.05 min
 Lab File: BF108093.D
 Acq: 10 Aug 2018 19:28

Tgt Ion:198 Resp: 123
 Ion Ratio Lower Upper
 198 100
 51 549.1 37.7 77.7#
 105 1379.6 36.3 76.3#

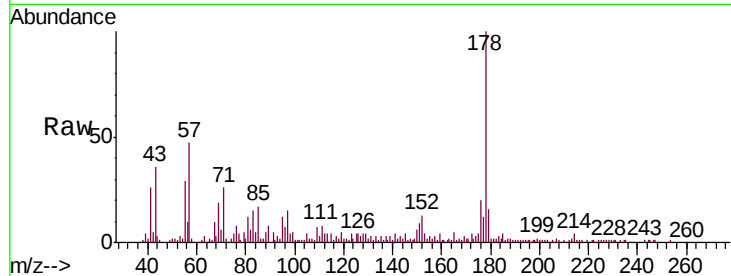




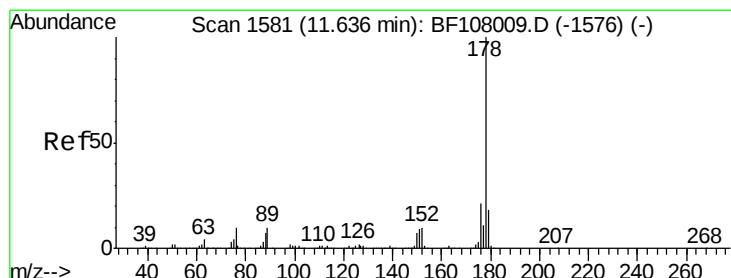
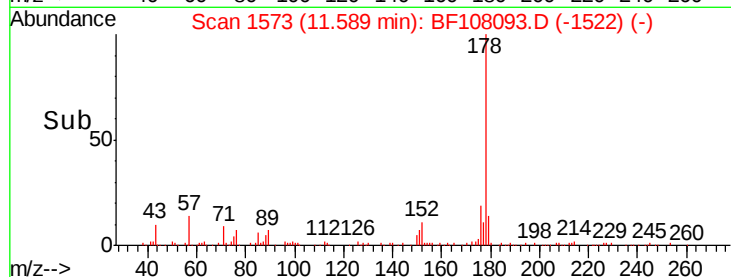
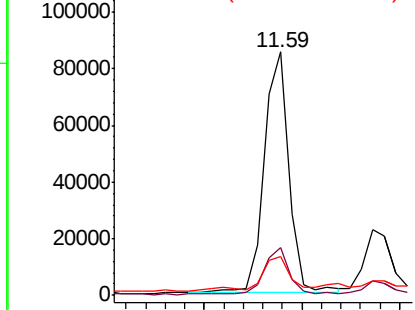
#70
Phenanthrene
Concen: 2.235 ng
RT: 11.59 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

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

Tgt Ion:178 Resp: 73678
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.8
179 16.2 13.0 19.6

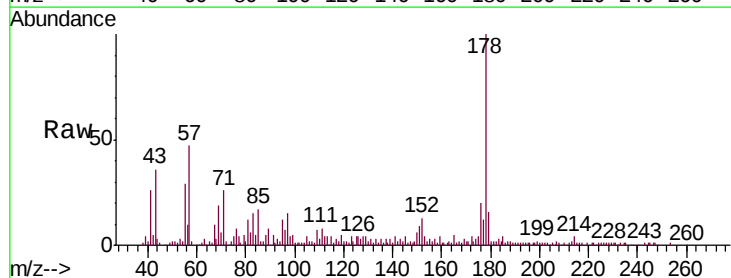


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

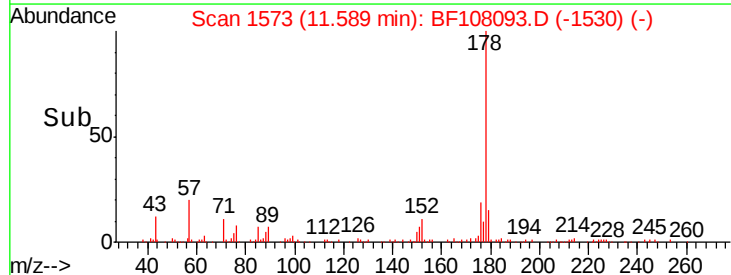
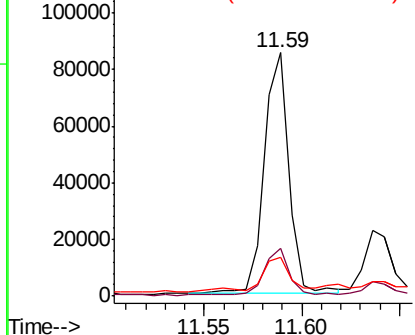


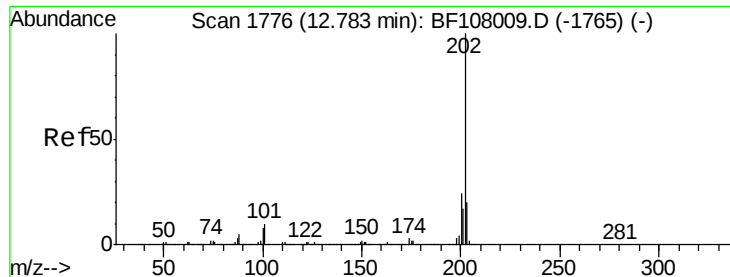
#71
Anthracene
Concen: 2.180 ng
RT: 11.59 min Scan# 1573
Delta R.T. -0.05 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

Tgt Ion:178 Resp: 73678
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 16.2 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: 4.627 ng

RT: 12.78 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF108093.D

Acq: 10 Aug 2018 19:28

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-B

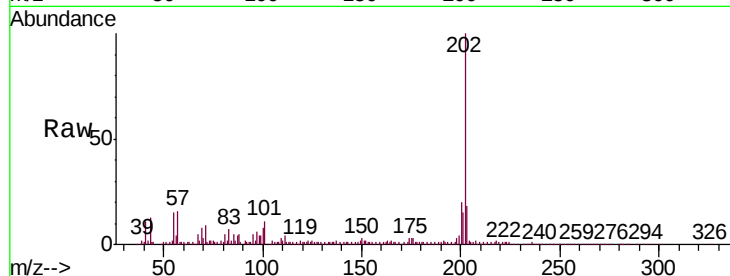
Tgt Ion: 202 Resp: 166509

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

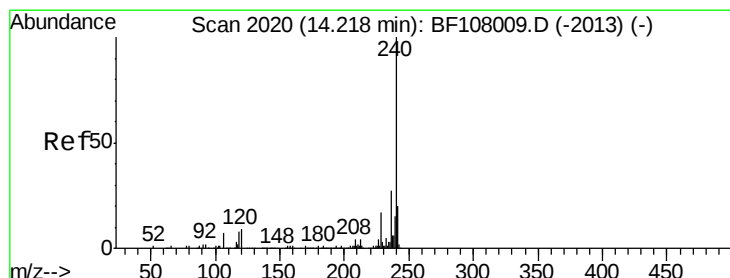
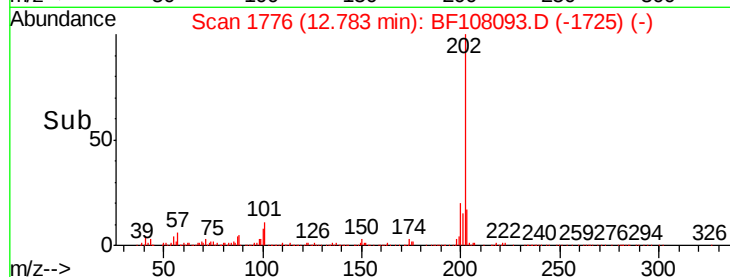
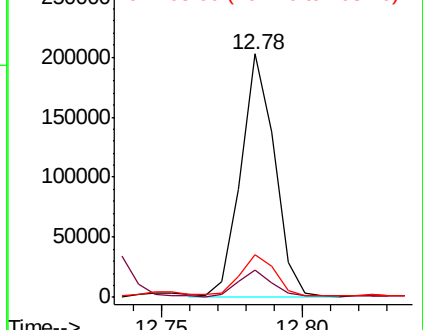
203 17.5 0.0 38.1



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: BF108093.D

Acq: 10 Aug 2018 19:28

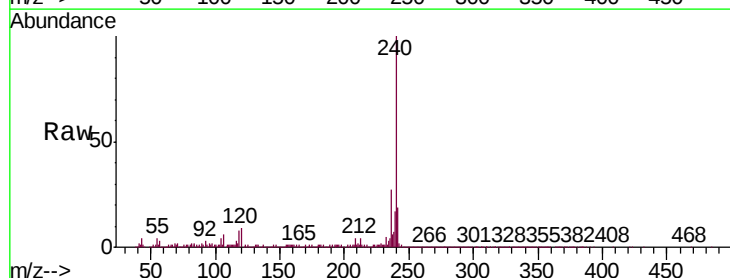
Tgt Ion: 240 Resp: 646970

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

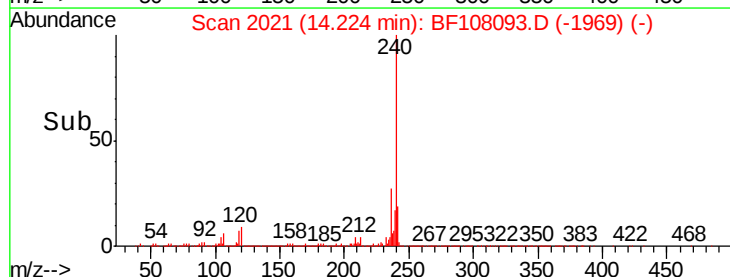
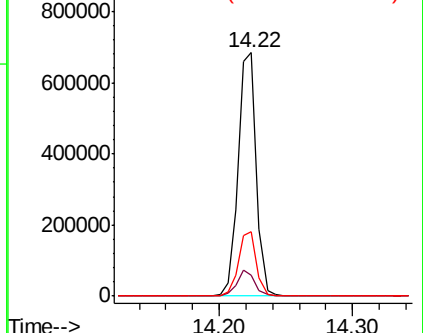
236 26.7 20.7 31.1

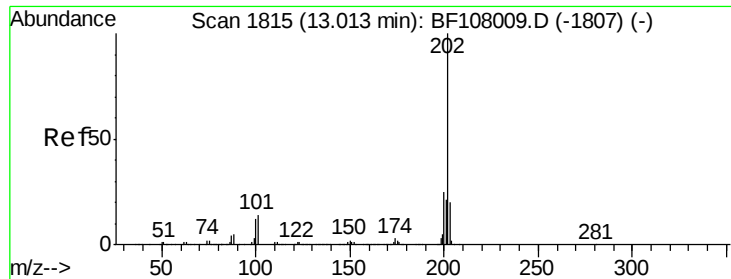


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.325 ng

RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF108093.D

Acq: 10 Aug 2018 19:28

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-B

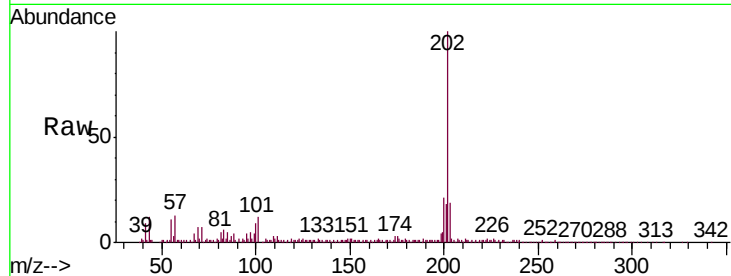
Tgt Ion:202 Resp: 177163

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

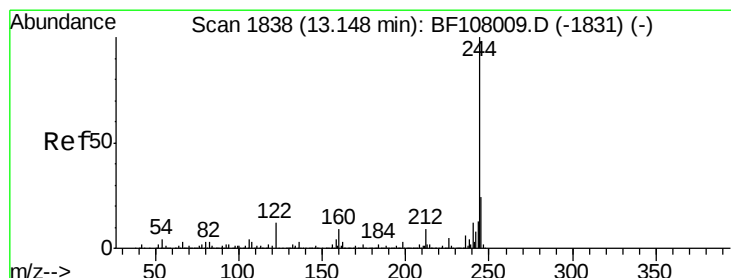
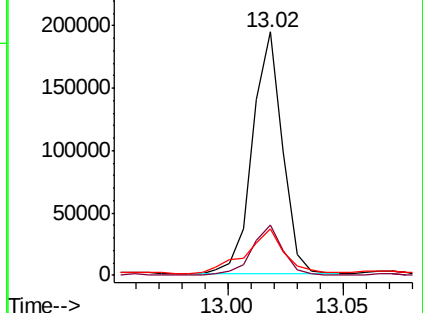
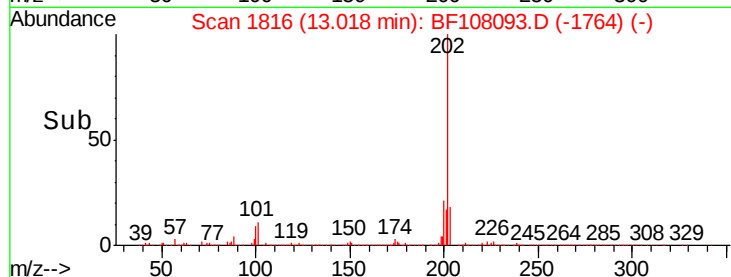
203 18.9 14.3 21.5



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: 35.648 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108093.D

Acq: 10 Aug 2018 19:28

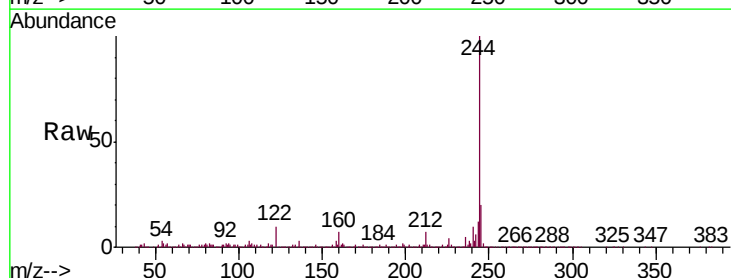
Tgt Ion:244 Resp: 907081

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

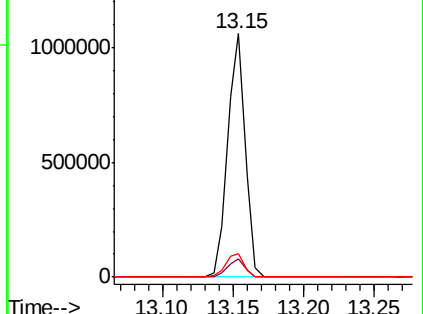
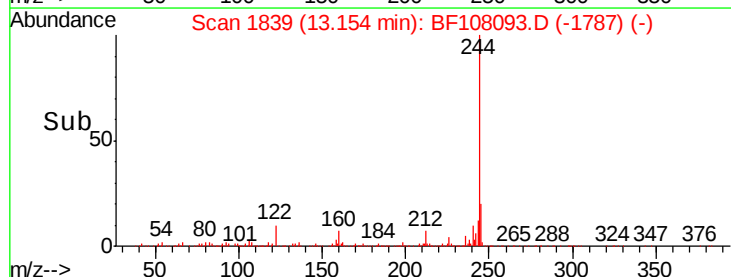
122 9.7 11.0 16.4#

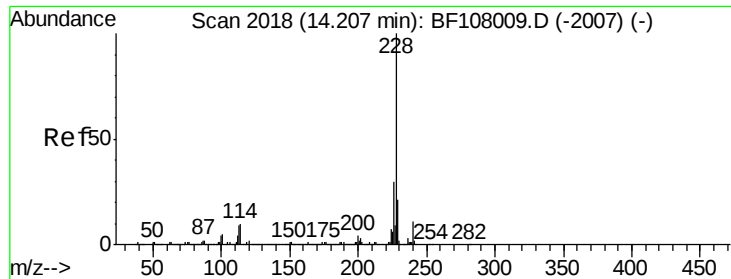


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.448 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108093.D

Acq: 10 Aug 2018 19:28

Instrument :

BNA_F

ClientSampleId :

JC-03-080918-B

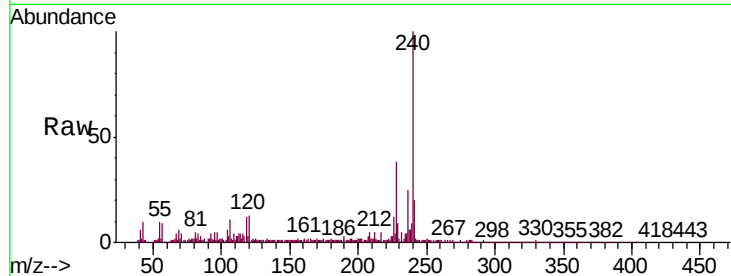
Tgt Ion:228 Resp: 90911

Ion Ratio Lower Upper

228 100

226 31.2 22.6 33.8

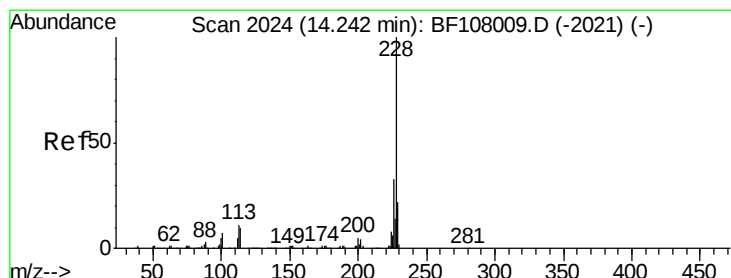
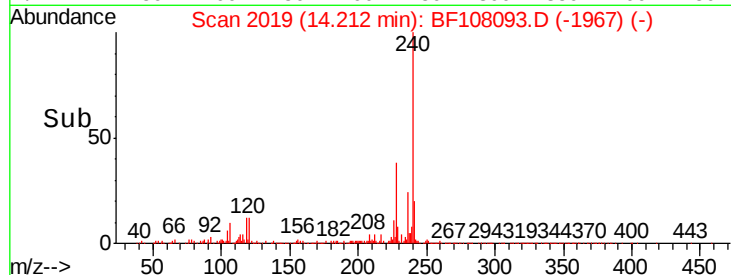
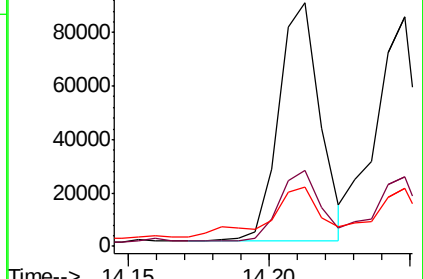
229 24.1 15.8 23.6#



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: 2.671 ng

RT: 14.21 min Scan# 2019

Delta R.T. -0.03 min

Lab File: BF108093.D

Acq: 10 Aug 2018 19:28

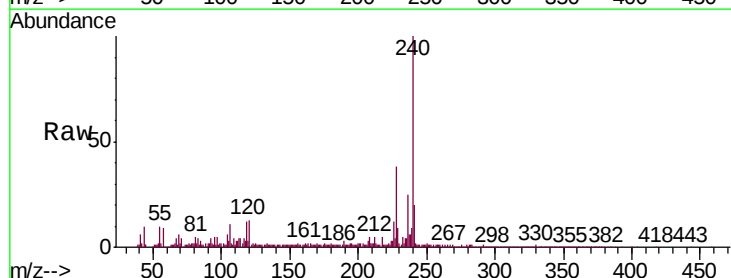
Tgt Ion:228 Resp: 90911

Ion Ratio Lower Upper

228 100

226 31.2 25.0 37.6

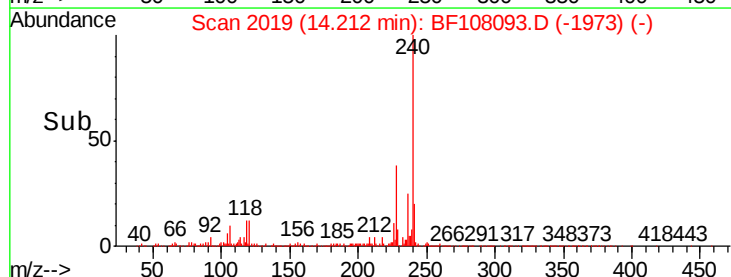
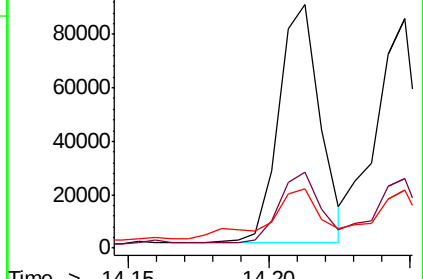
229 24.1 16.2 24.4

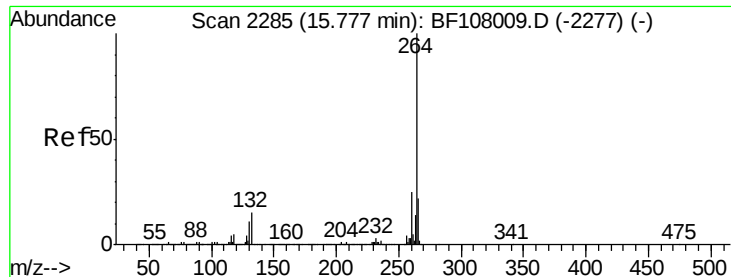


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

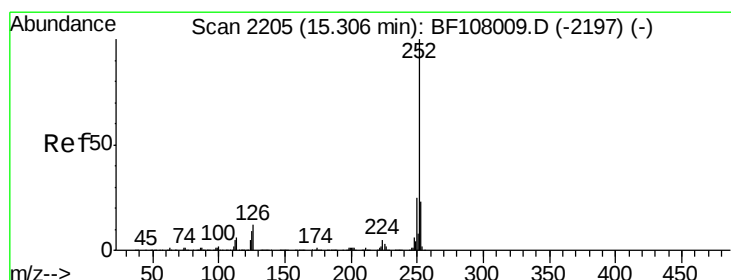
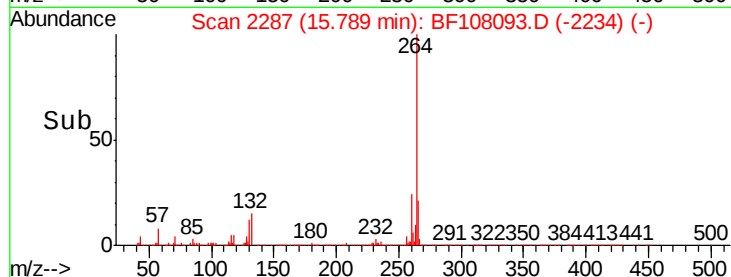
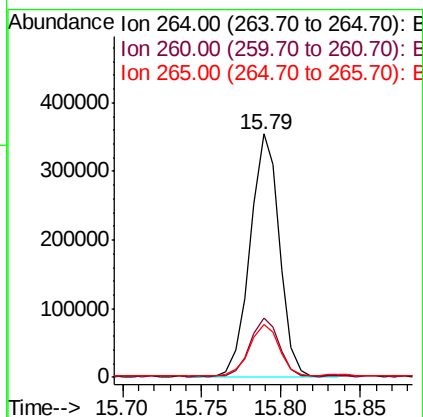
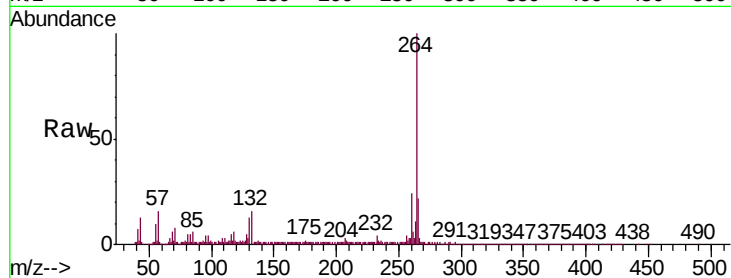




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

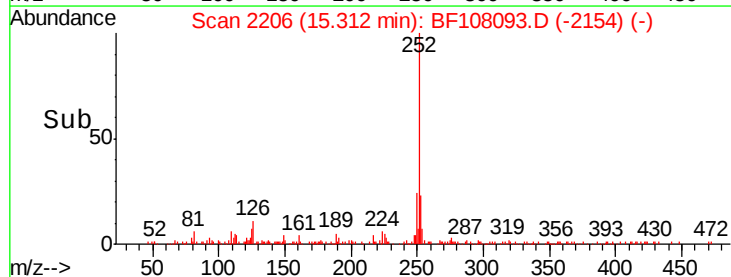
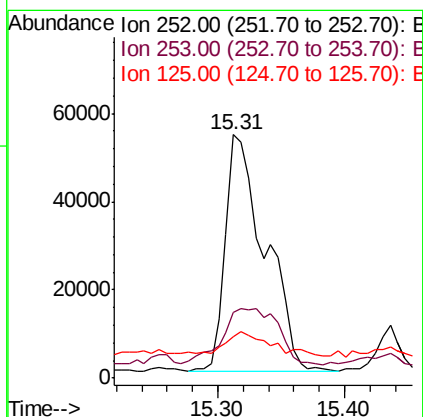
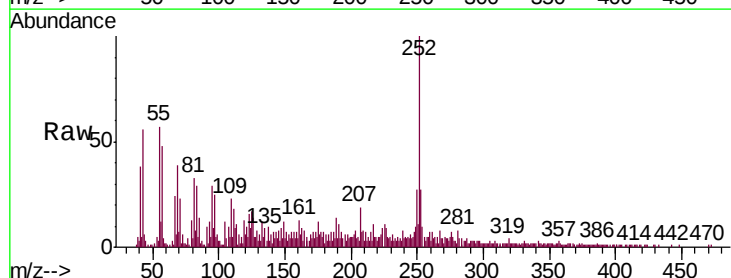
Instrument :
BNA_F
ClientSampleId :
JC-03-080918-B

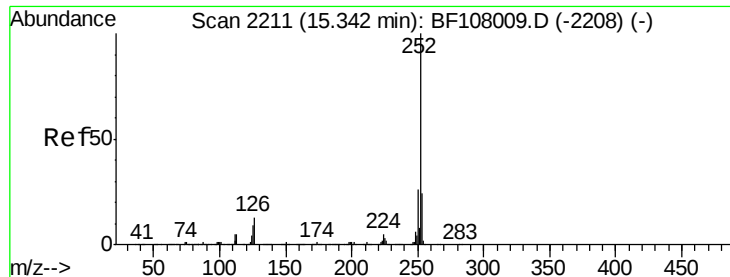
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 4.324 ng
RT: 15.31 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.0	25.6#
125	17.0	9.0	13.6#

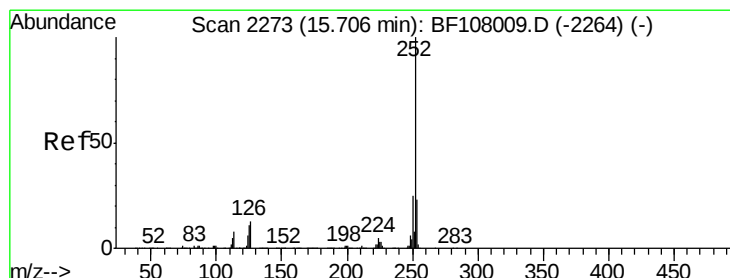
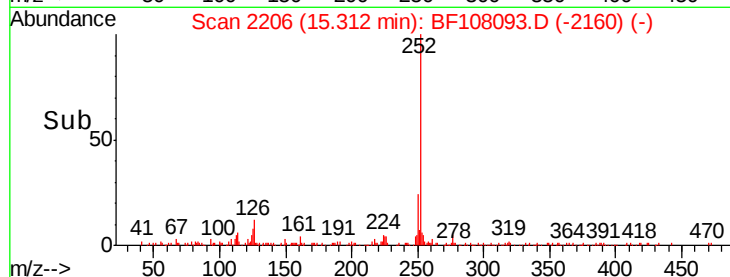
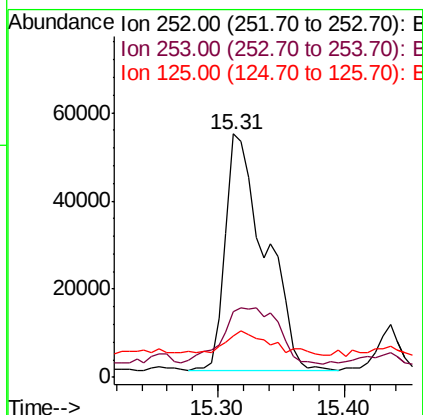
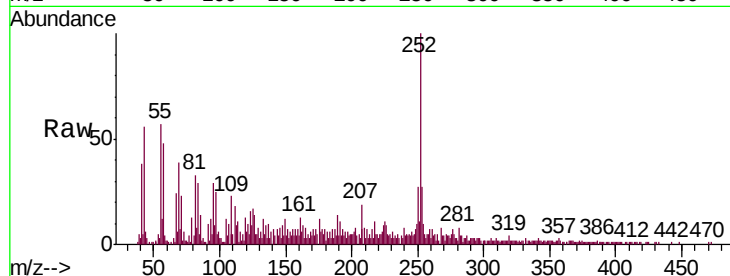




#88
Benzo(k)fluoranthene
Concen: 4.704 ng
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

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

Tgt Ion:252 Resp: 117048
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 17.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.360 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF108093.D
Acq: 10 Aug 2018 19:28

Tgt Ion:252 Resp: 57198
Ion Ratio Lower Upper
252 100
253 26.6 17.1 25.7#
125 21.3 9.8 14.6#

