

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
 Data File : BF108102.D
 Acq On : 10 Aug 2018 23:36
 Operator : JU/SJ
 Sample : J4282-03 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Quant Time: Aug 11 00:33:29 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	247782	20.00	ng	0.00
21) Naphthalene-d8	8.31	136	865894	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	366818	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	634043	20.00	ng	0.00
75) Chrysene-d12	14.22	240	503161	20.00	ng	0.00
86) Perylene-d12	15.79	264	350943	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	331204	24.20	ng	0.00
7) Phenol-d6	6.62	99	450344	24.76	ng	0.00
23) Nitrobenzene-d5	7.58	82	260751	16.80	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	73258	20.02	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	432704	18.94	ng	0.00
78) Terphenyl-d14	13.15	244	388770	19.65	ng	0.00

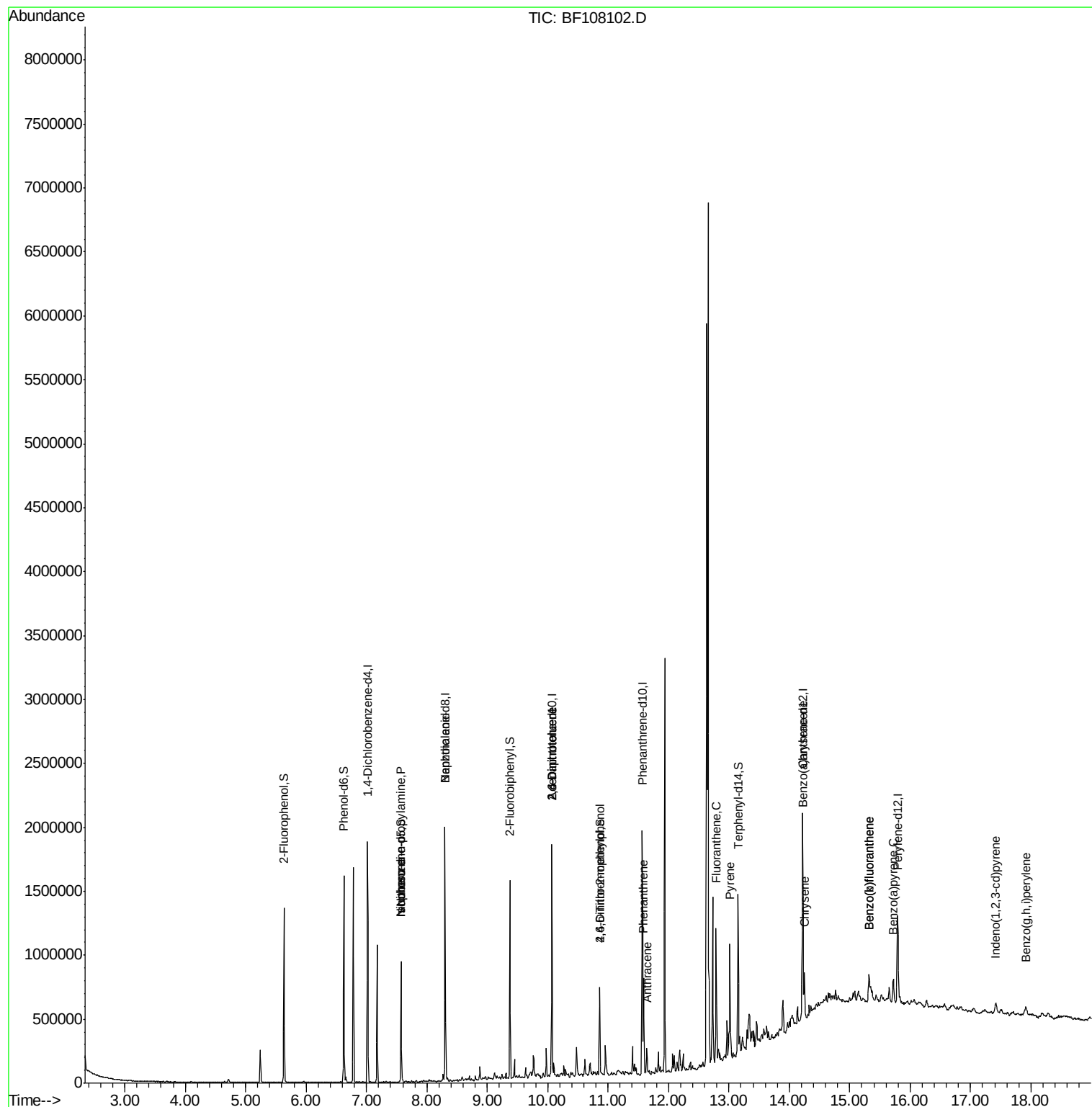
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	34733	2.824	ng	# 83
25) Isophorone	7.58	82	260535	8.809	ng	# 64
32) Benzoic acid	8.31	122	248	6.003	ng	# 1
50) 2,6-Dinitrotoluene	10.07	165	48488	9.070	ng	# 26
56) 2,4-Dinitrotoluene	10.07	165	48488	7.046	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.86	198	107	5.399	ng	# 1
70) Phenanthrene	11.59	178	244333	8.170	ng	100
71) Anthracene	11.64	178	71140	2.321	ng	99
74) Fluoranthene	12.79	202	387942	11.886	ng	95
77) Pyrene	13.02	202	357331	11.217	ng	99
80) Benzo(a)anthracene	14.21	228	158191	5.478	ng	99
82) Chrysene	14.25	228	124024	4.685	ng	98
85) Indeno(1,2,3-cd)pyrene	17.42	276	56075	2.445	ng	# 89
87) Benzo(b)fluoranthene	15.32	252	174876	8.339	ng	95
88) Benzo(k)fluoranthene	15.32	252	174876	9.072	ng	98
89) Benzo(a)pyrene	15.72	252	95289	5.074	ng	93
91) Benzo(g,h,i)perylene	17.91	276	56057	3.664	ng	94

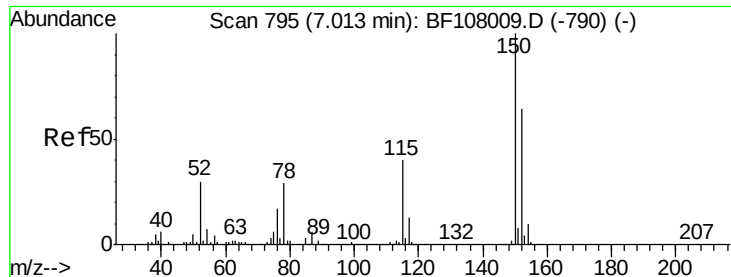
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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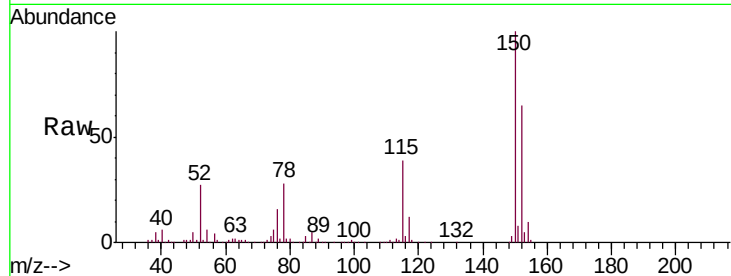


#1

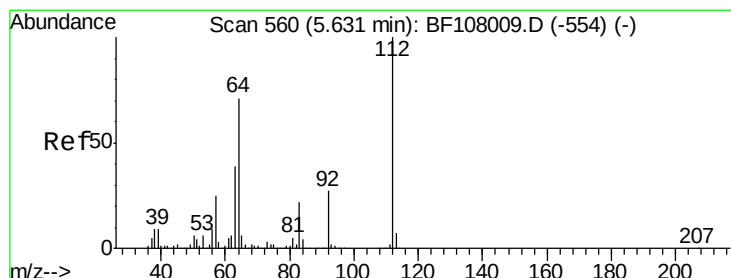
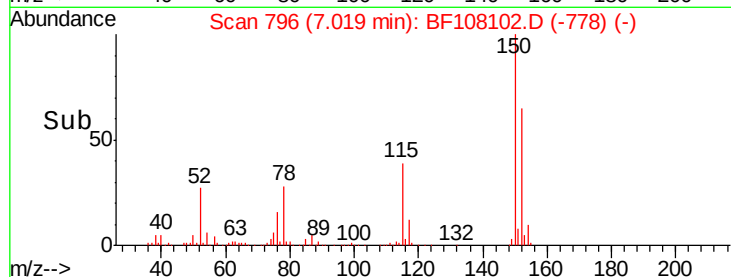
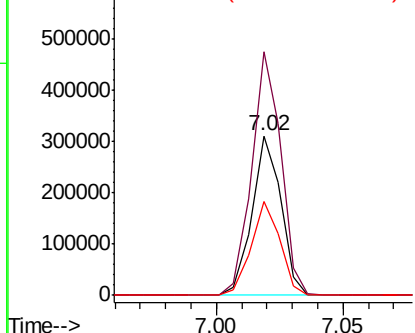
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Instrument :
BNA_F
ClientSampleId :
SU-02-080918-B

Tgt Ion:152 Resp: 247782
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 59.2 50.1 75.1



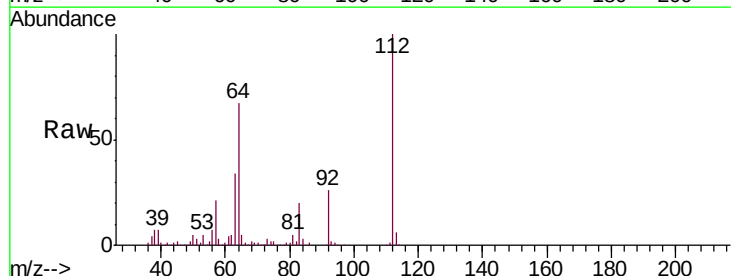
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



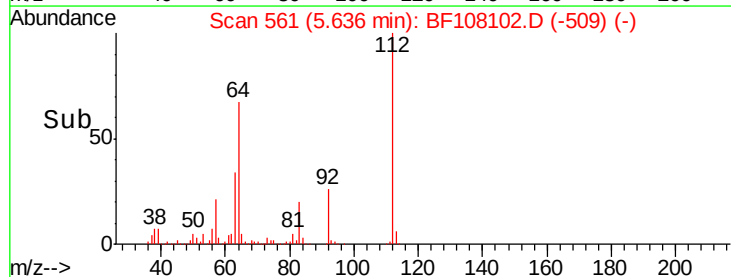
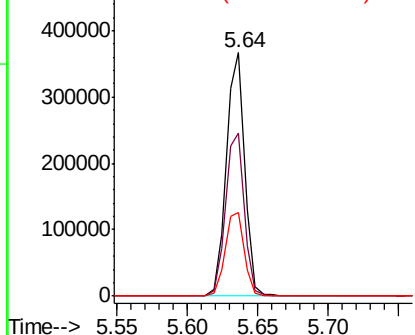
#5

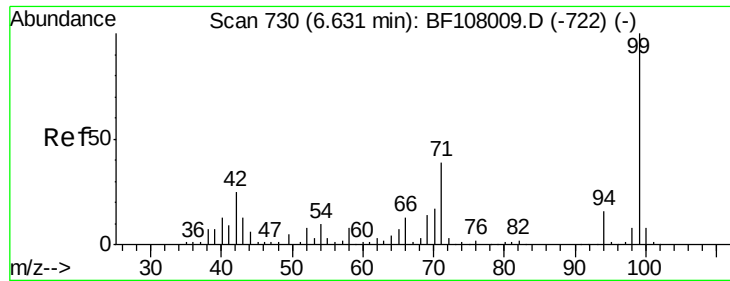
2-Fluorophenol
Concen: 24.200 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Tgt Ion:112 Resp: 331204
Ion Ratio Lower Upper
112 100
64 66.8 47.9 71.9
63 34.3 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: 24.762 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-B

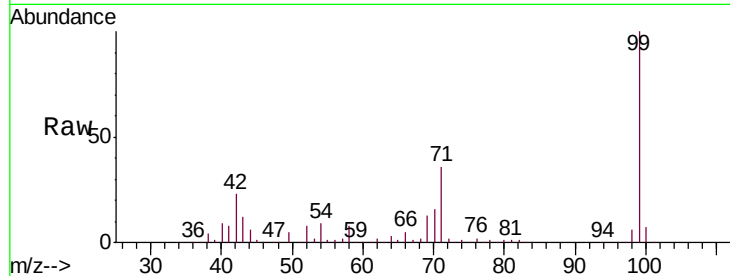
Tgt Ion: 99 Resp: 450344

Ion Ratio Lower Upper

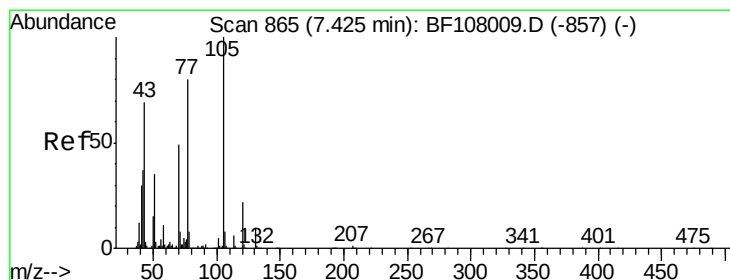
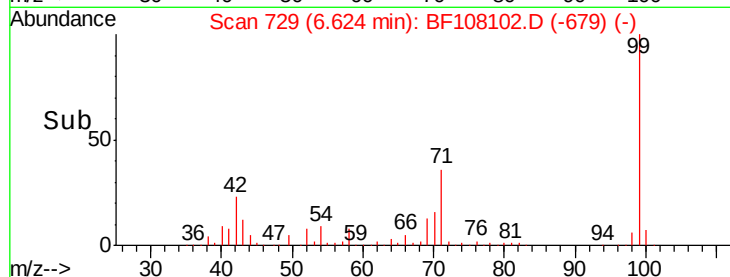
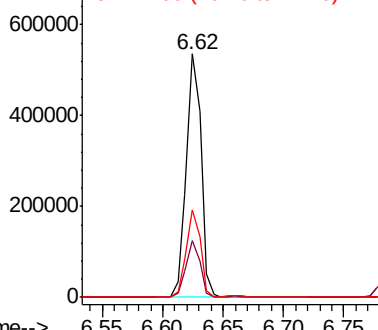
99 100

42 23.3 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: 2.824 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Tgt Ion: 70 Resp: 34733

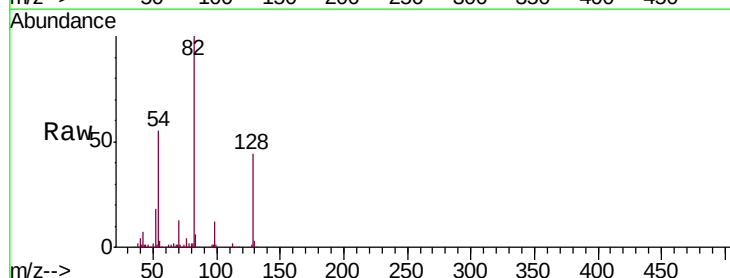
Ion Ratio Lower Upper

70 100

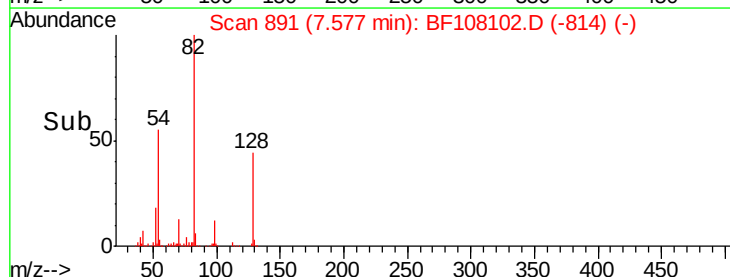
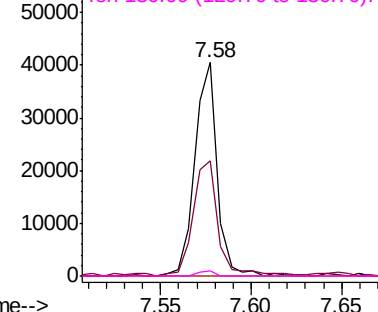
42 53.8 47.5 71.3

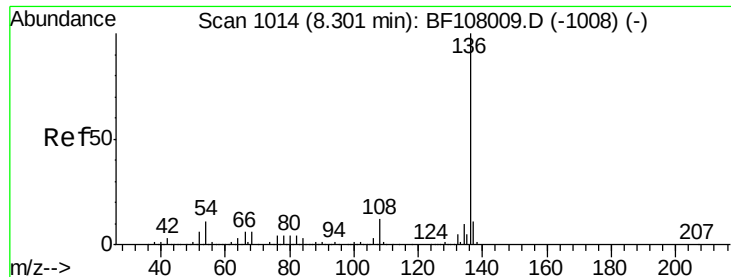
101 0.0 7.4 11.2#

130 2.3 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: 8.31 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-B

Tgt Ion: 136 Resp: 865894

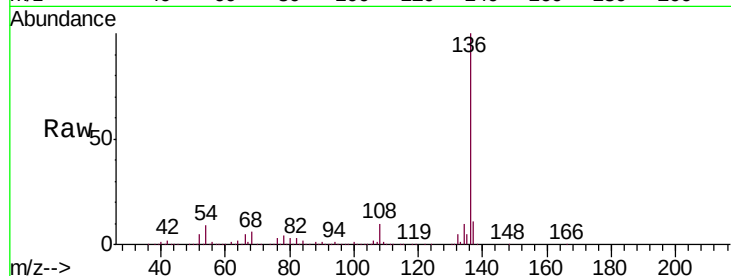
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 9.1 6.6 9.8

68 5.8 5.0 7.4

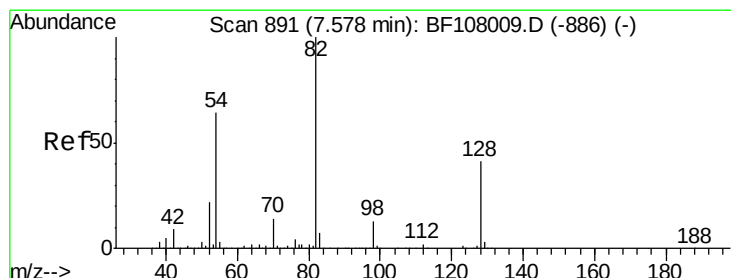
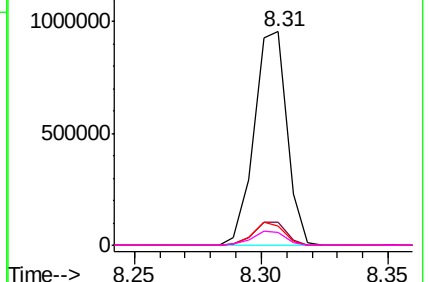
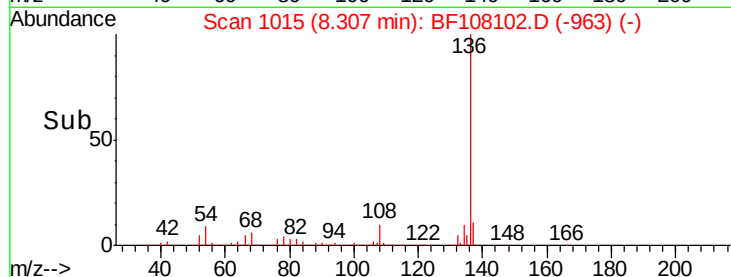


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.804 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.00 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

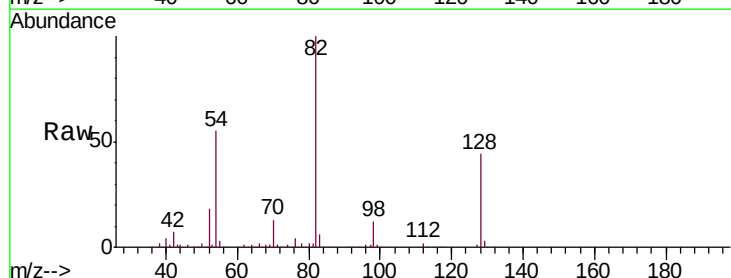
Tgt Ion: 82 Resp: 260751

Ion Ratio Lower Upper

82 100

128 44.0 36.1 54.1

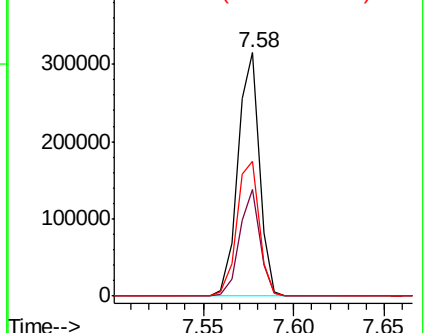
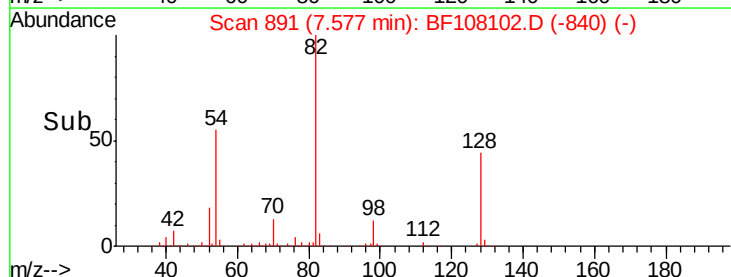
54 55.4 41.4 62.2

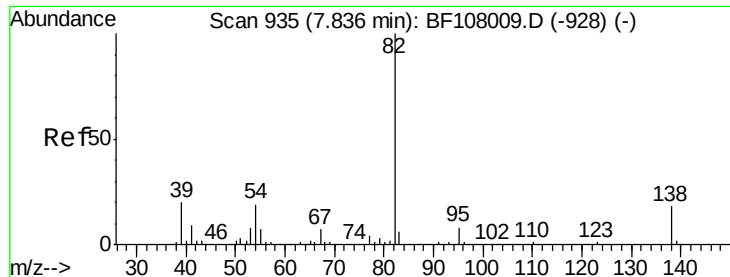


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.809 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

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SU-02-080918-B

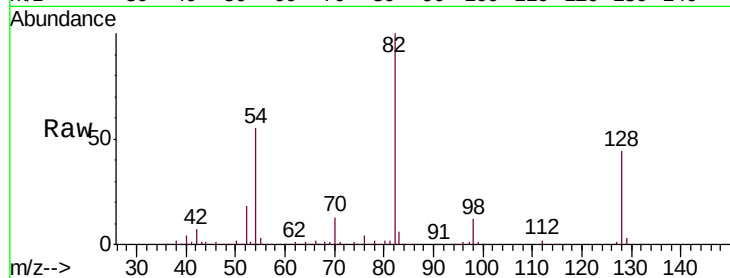
Tgt Ion: 82 Resp: 260535

Ion Ratio Lower Upper

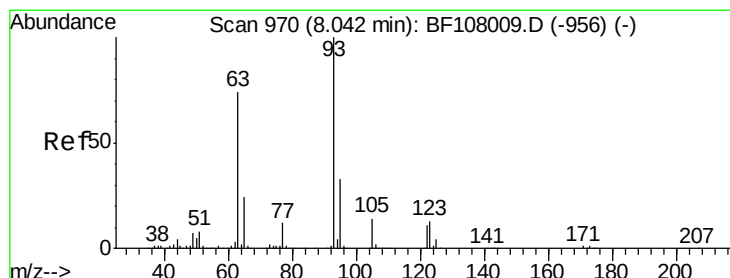
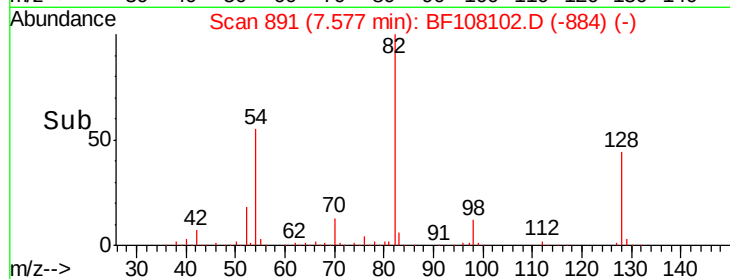
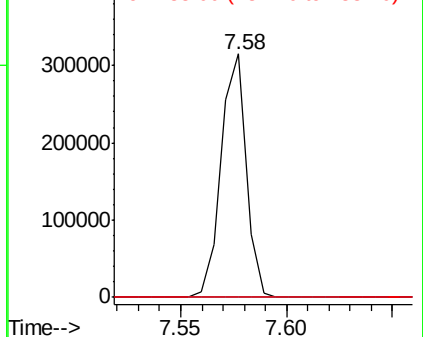
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 6.003 ng

RT: 8.31 min Scan# 1015

Delta R.T. 0.26 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

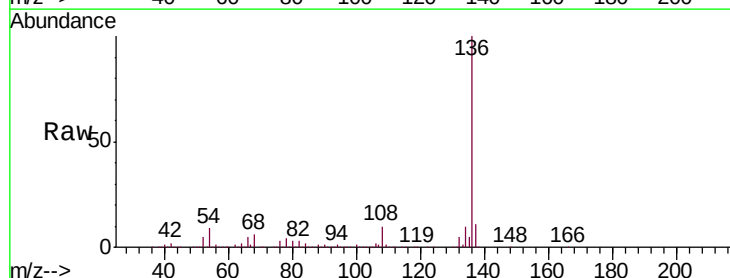
Tgt Ion: 122 Resp: 248

Ion Ratio Lower Upper

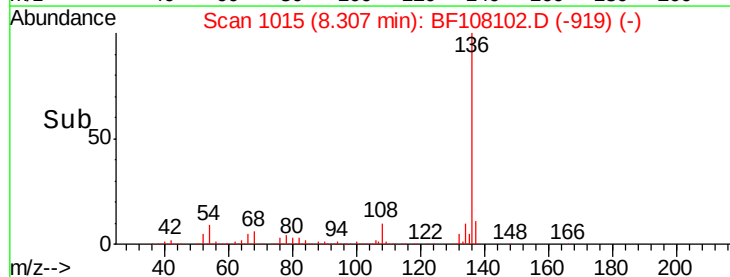
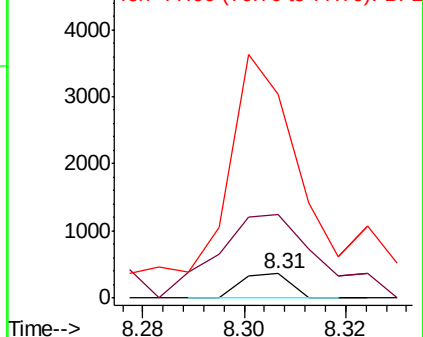
122 100

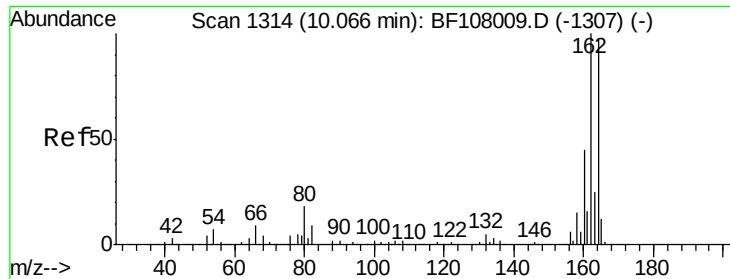
105 342.5 101.1 141.1#

77 829.9 70.7 110.7#



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

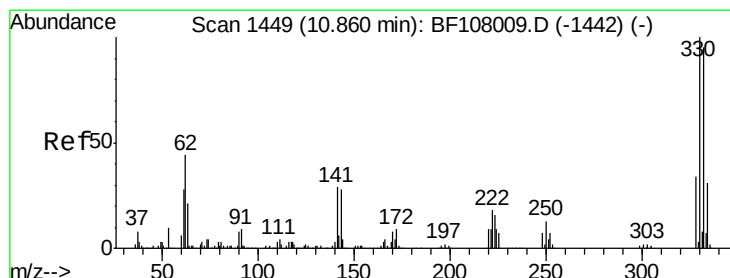
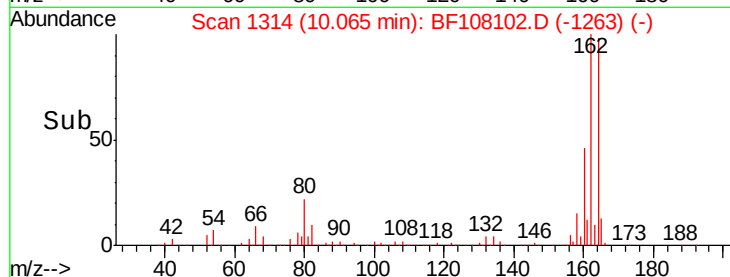
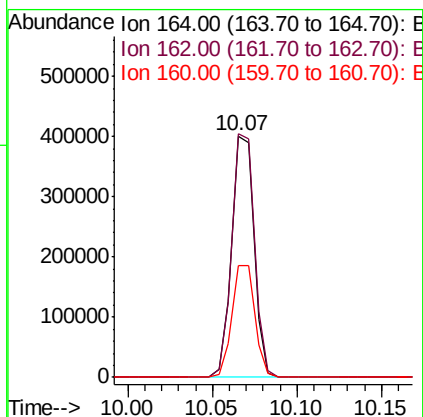
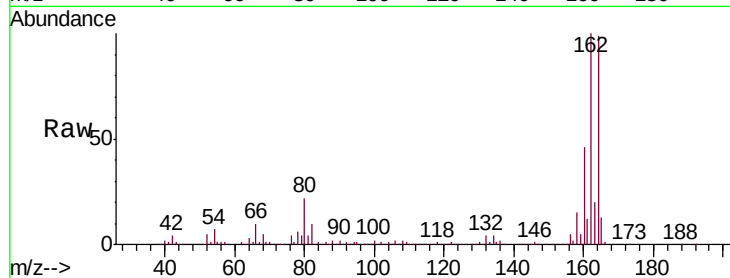




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

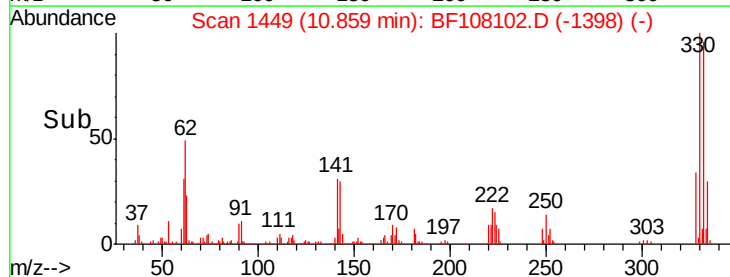
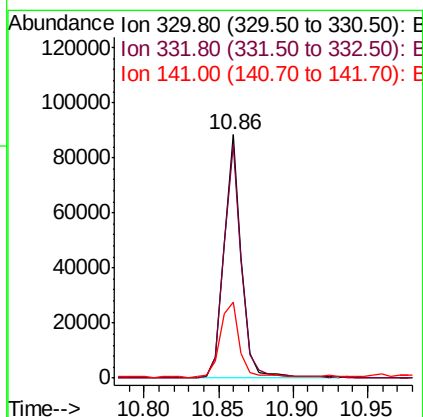
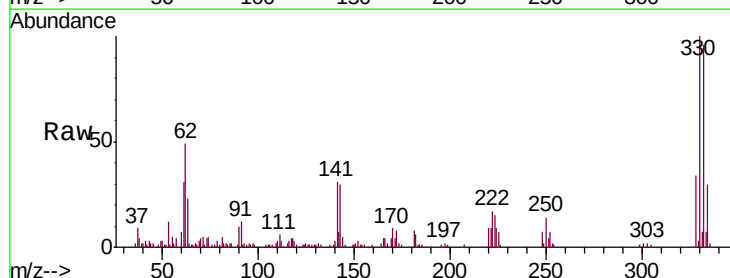
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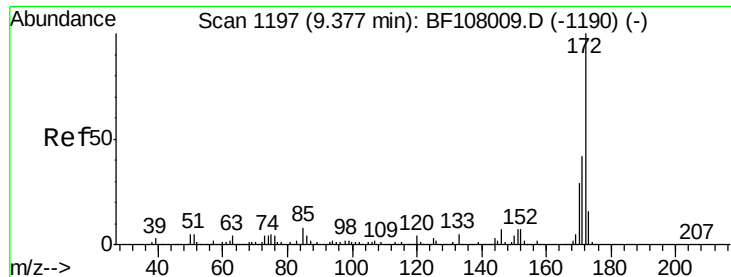
Tgt Ion:164 Resp: 366818
 Ion Ratio Lower Upper
 164 100
 162 101.0 86.1 129.1
 160 46.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 20.022 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Tgt Ion:330 Resp: 73258
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 33.8 29.9 44.9

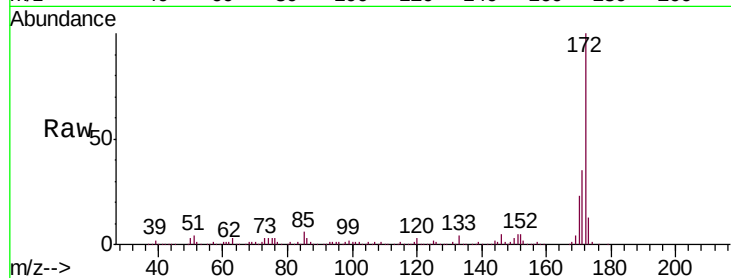




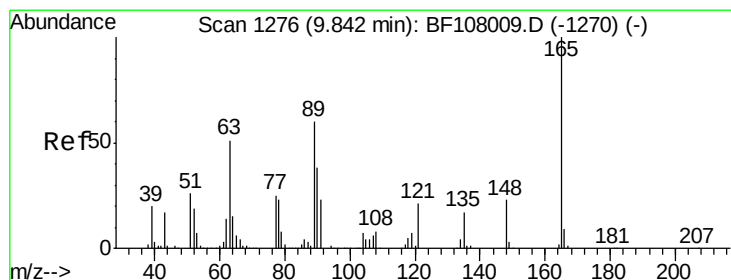
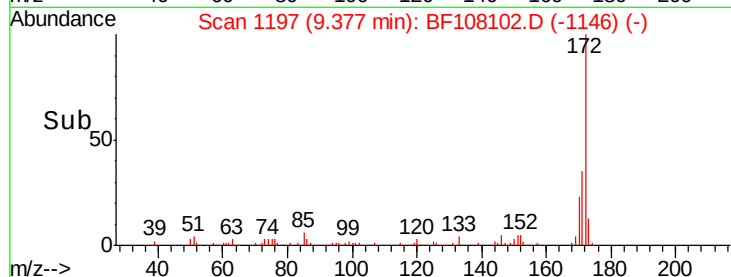
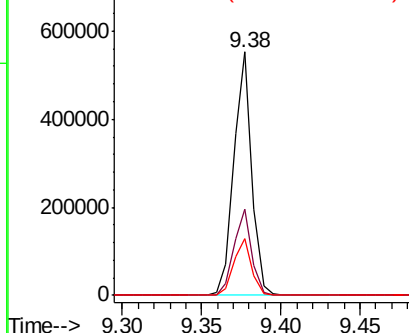
#44
 2-Fluorobiphenyl
 Concen: 18.938 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.3	19.6	29.4

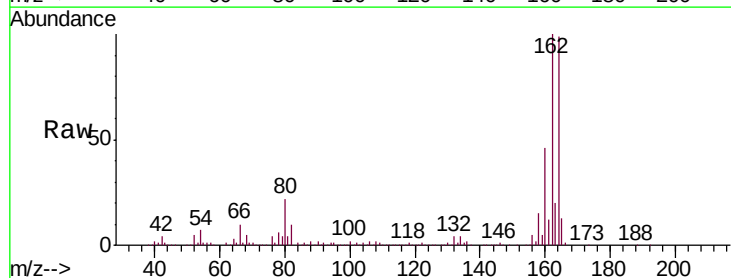


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

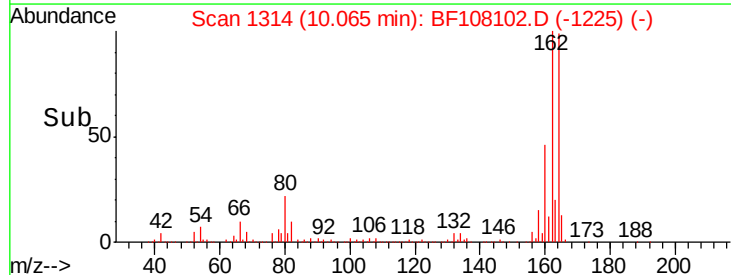
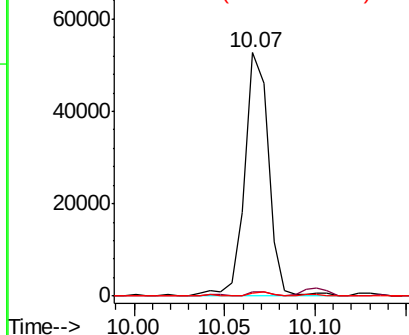


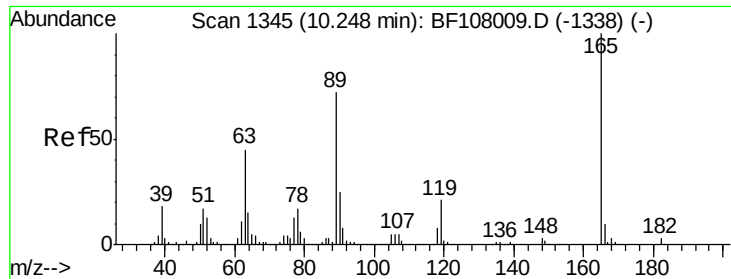
#50
 2,6-Dinitrotoluene
 Concen: 9.070 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.22 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.0	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

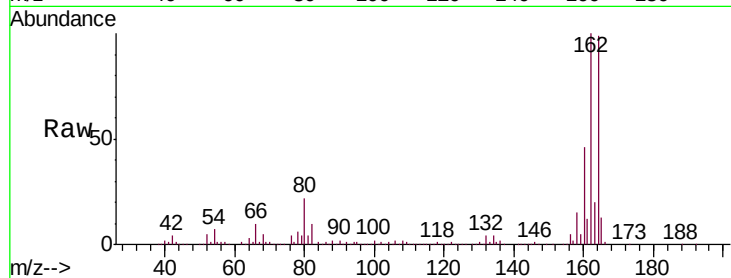




#56
 2,4-Dinitrotoluene
 Concen: 7.046 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. -0.18 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

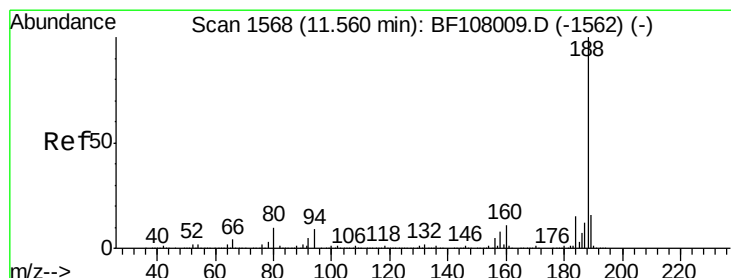
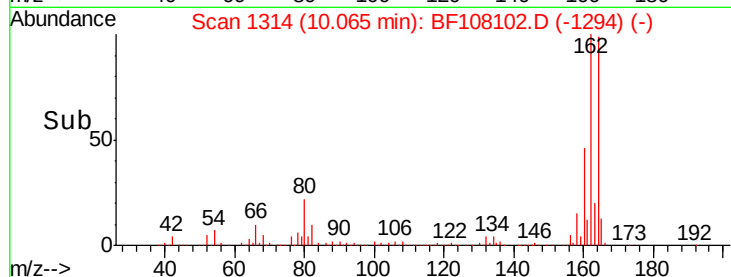
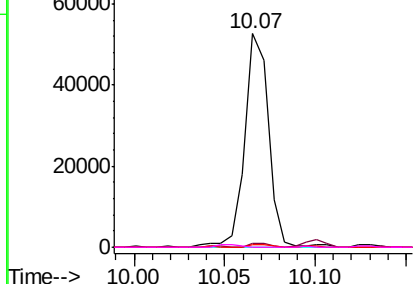


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

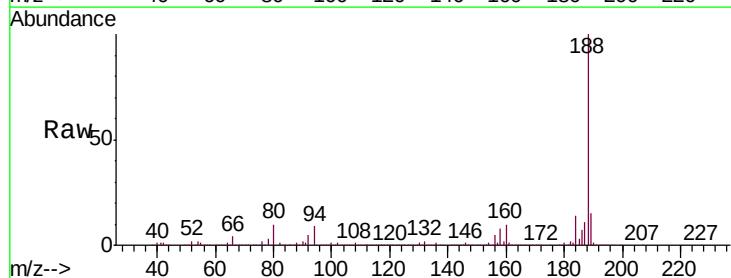
Ion 89.00 (88.70 to 89.70): BF1

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: BF108102.D
 Acq: 10 Aug 2018 23:36

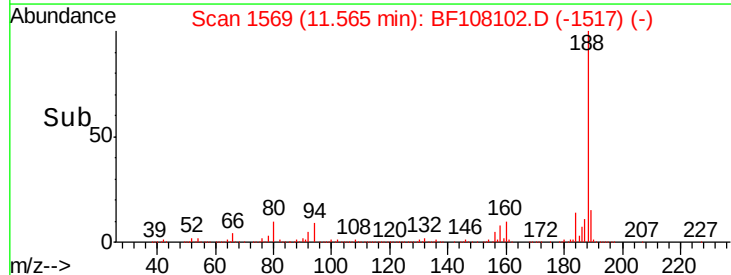
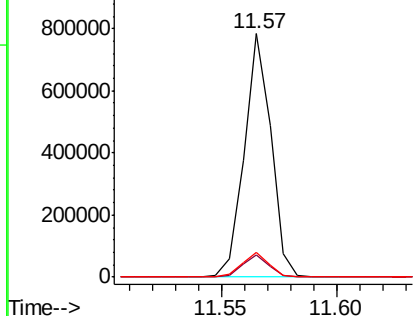
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.0	9.2	13.8

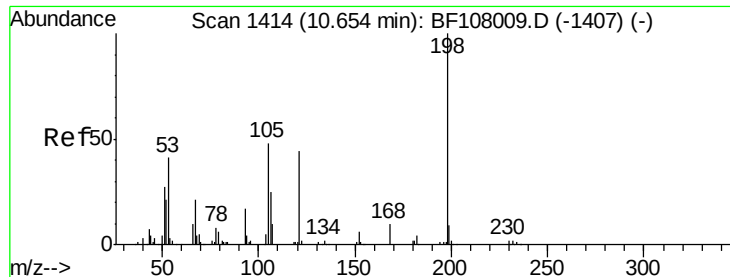


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

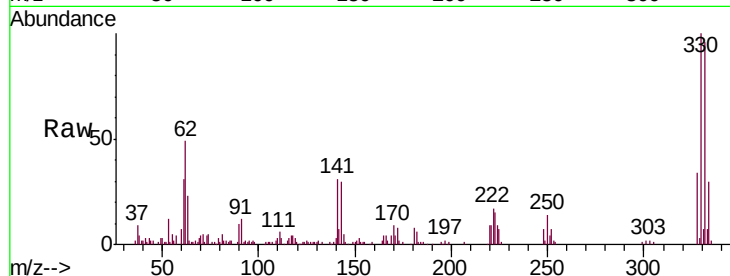




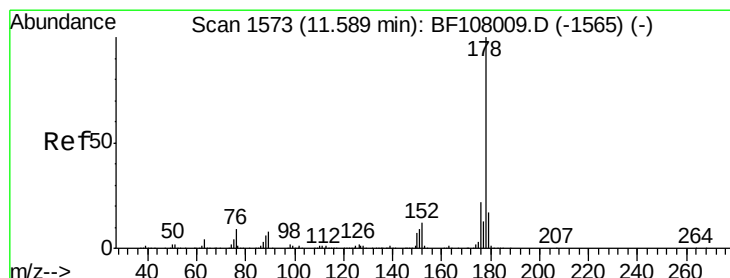
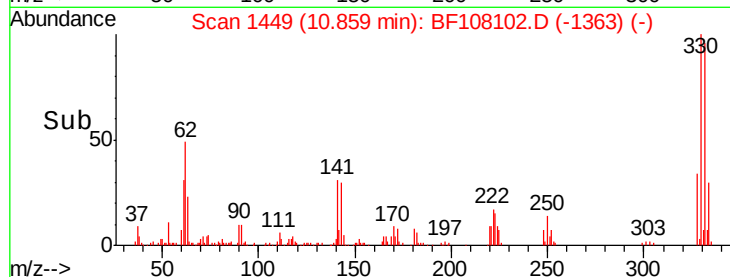
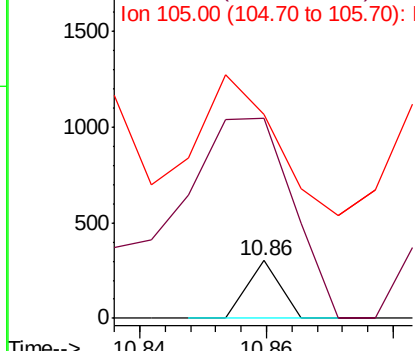
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.399 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.21 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-080918-B

Tgt Ion:198 Resp: 107
 Ion Ratio Lower Upper
 198 100
 51 345.5 37.7 77.7#
 105 352.5 36.3 76.3#

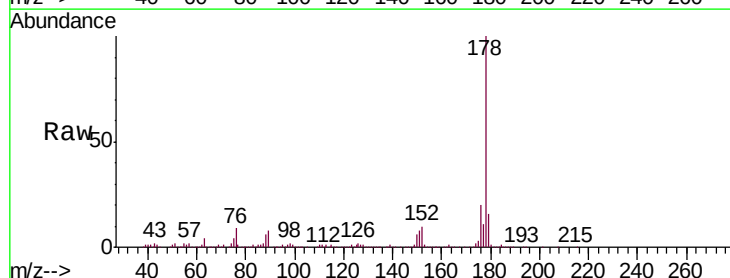


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

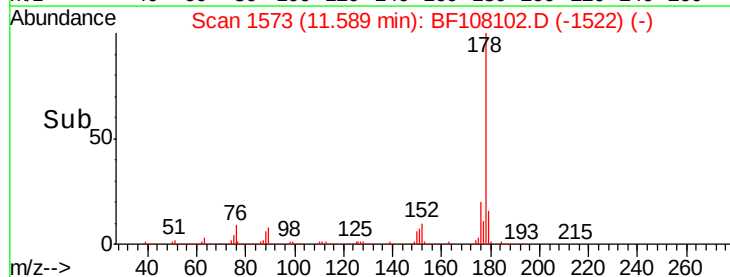
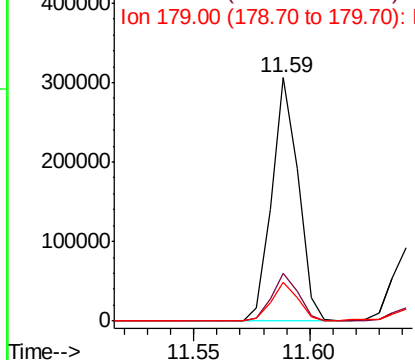


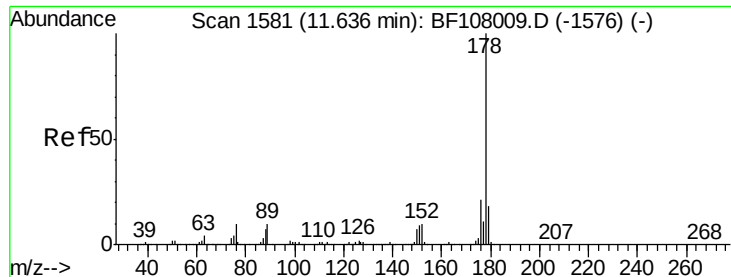
#70
 Phenanthrene
 Concen: 8.170 ng
 RT: 11.59 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF108102.D
 Acq: 10 Aug 2018 23:36

Tgt Ion:178 Resp: 244333
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.8 23.8
 179 16.1 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: 2.321 ng

RT: 11.64 min Scan# 1582

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-B

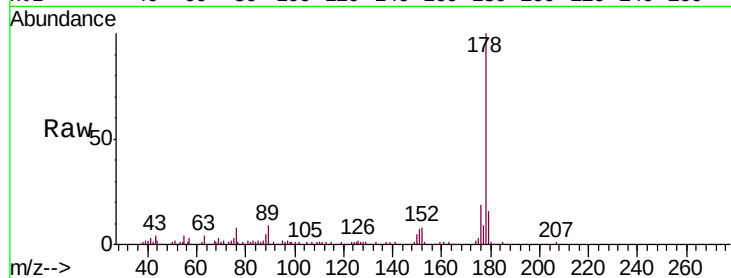
Tgt Ion:178 Resp: 71140

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

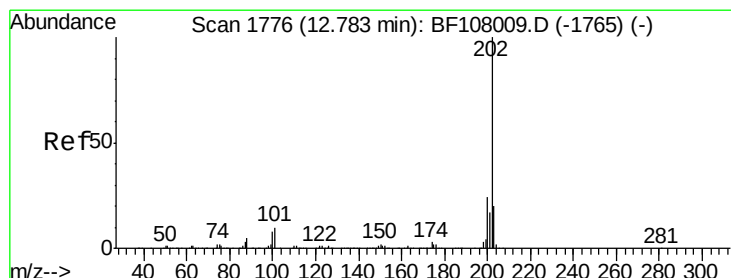
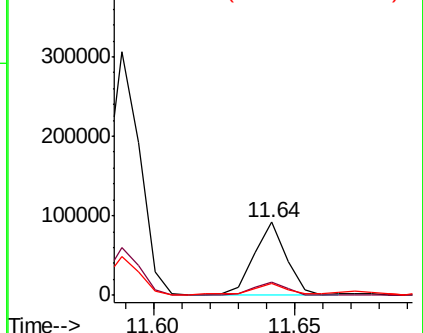
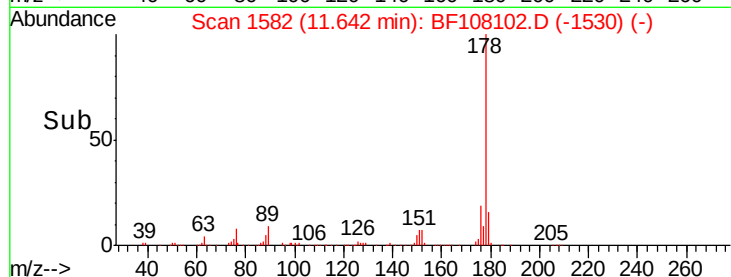
179 15.9 12.6 19.0



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: 11.886 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

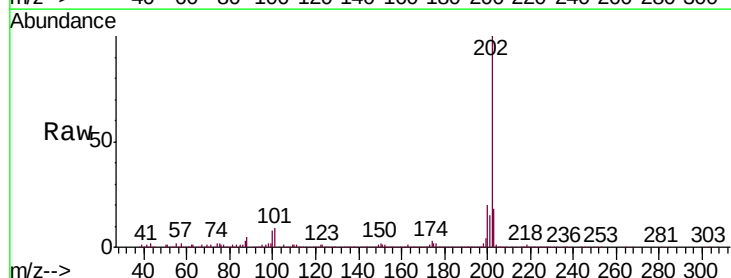
Tgt Ion:202 Resp: 387942

Ion Ratio Lower Upper

202 100

101 9.3 0.0 34.1

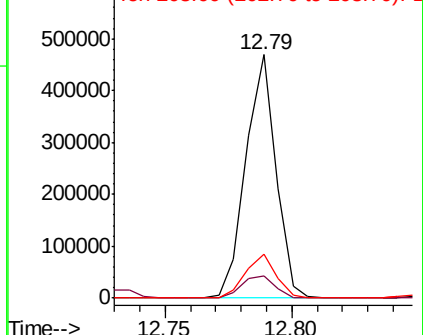
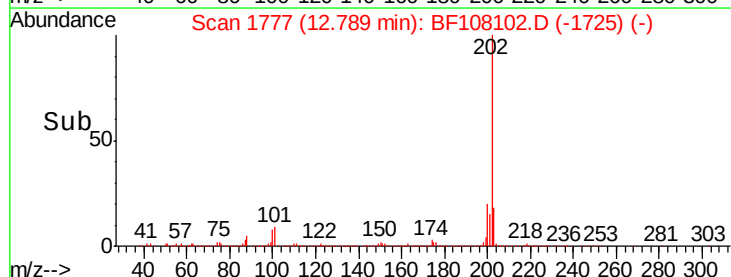
203 18.0 0.0 38.1

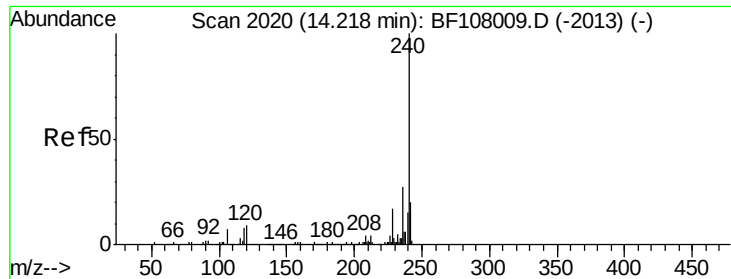


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-B

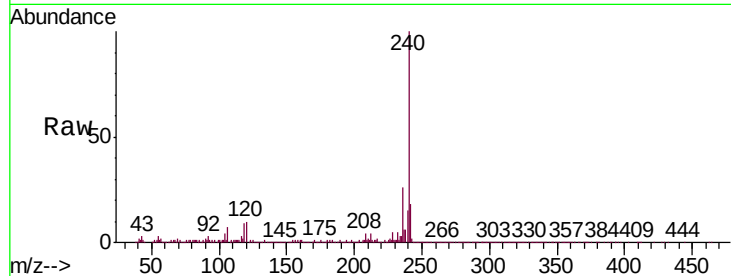
Tgt Ion:240 Resp: 503161

Ion Ratio Lower Upper

240 100

120 9.6 9.5 14.3

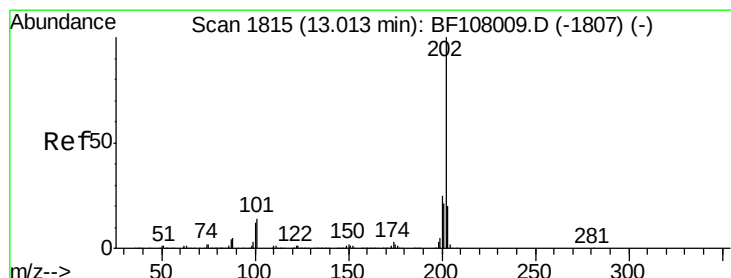
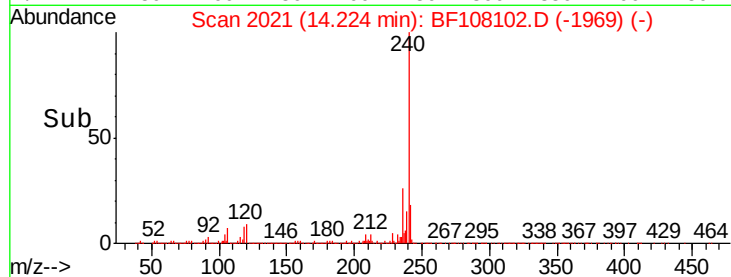
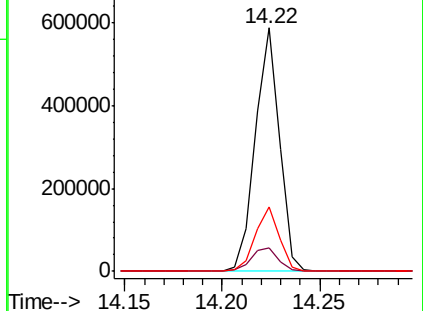
236 26.2 20.7 31.1



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: 11.217 ng

RT: 13.02 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

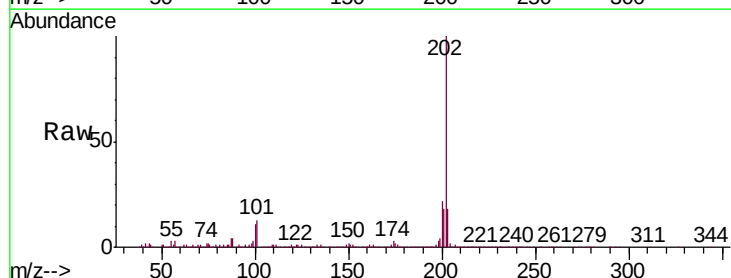
Tgt Ion:202 Resp: 357331

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

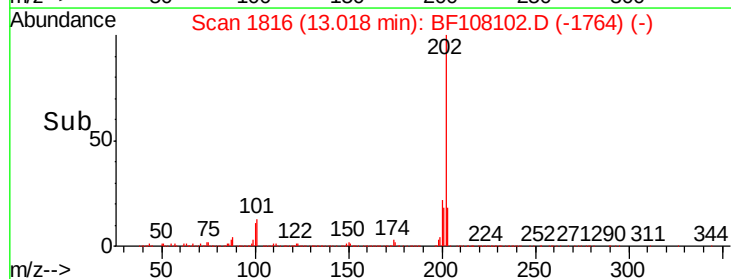
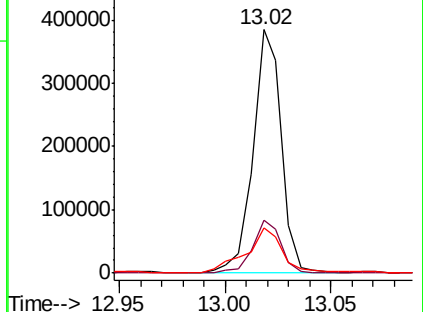
203 18.4 14.3 21.5

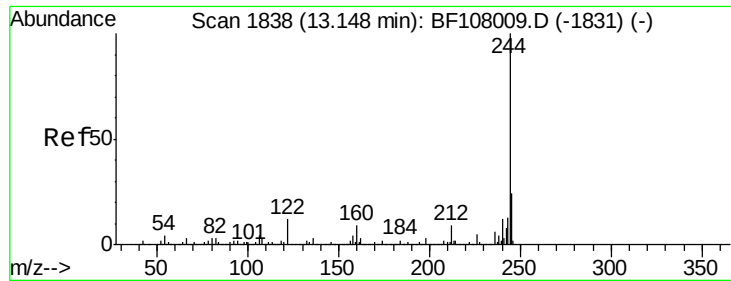


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 19.645 ng

RT: 13.15 min Scan# 1839

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-B

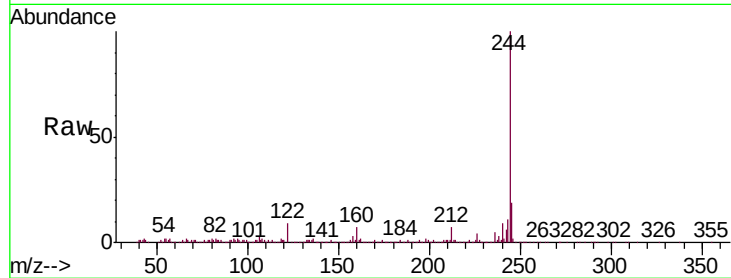
Tgt Ion:244 Resp: 388770

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

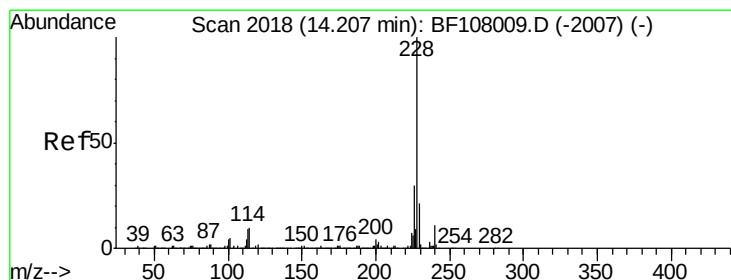
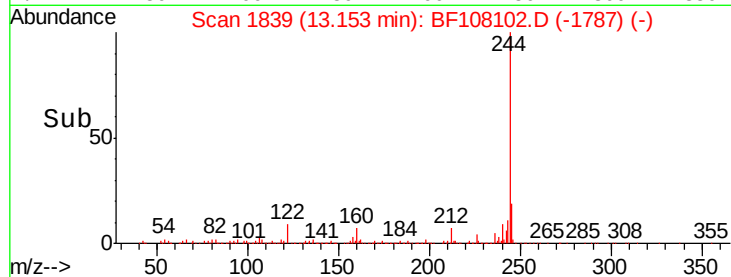
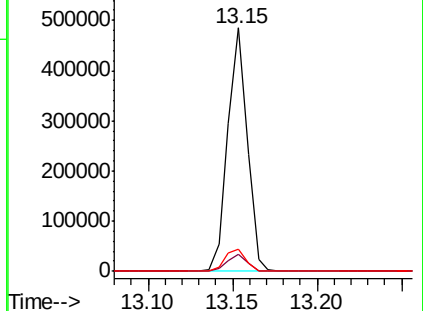
122 9.3 11.0 16.4#



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: 5.478 ng

RT: 14.21 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

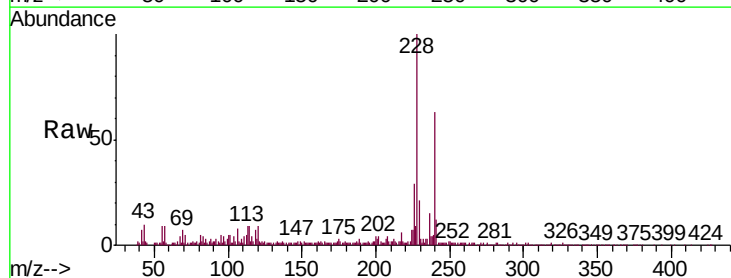
Tgt Ion:228 Resp: 158191

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

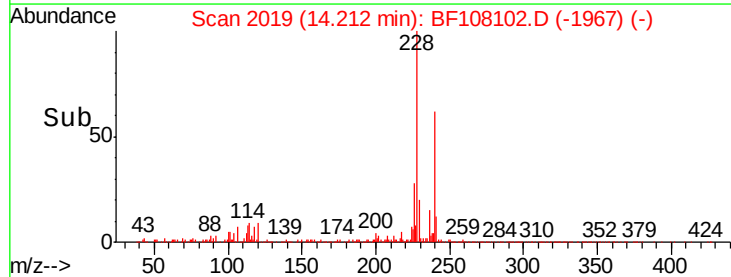
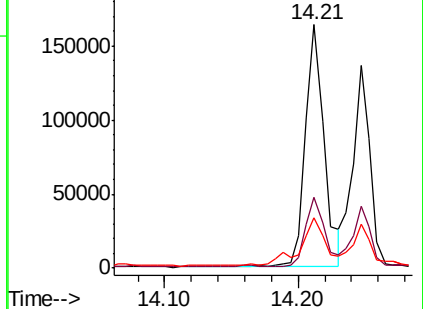
229 20.5 15.8 23.6

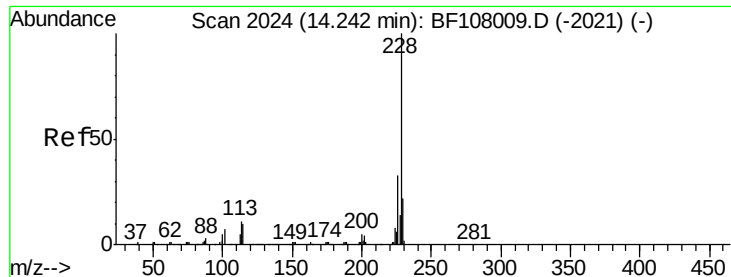


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.685 ng

RT: 14.25 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-B

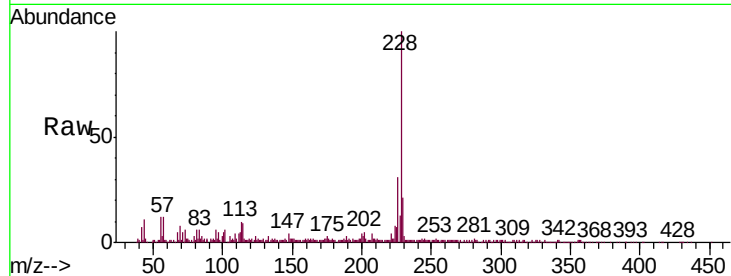
Tgt Ion:228 Resp: 124024

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

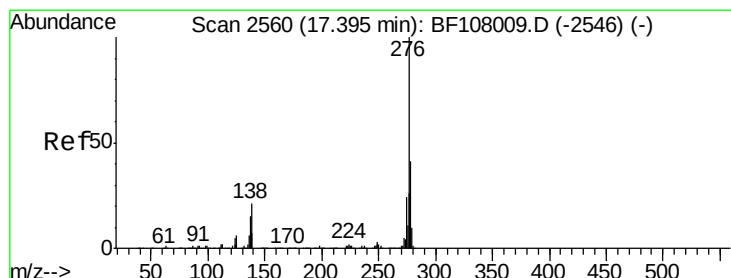
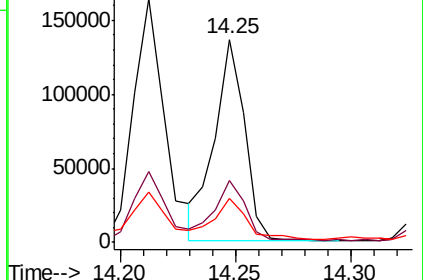
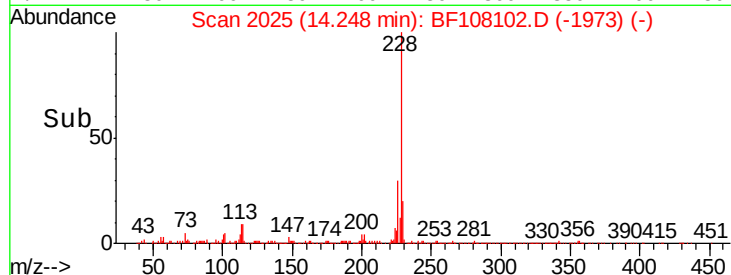
229 21.5 16.2 24.4



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: 2.445 ng

RT: 17.42 min Scan# 2564

Delta R.T. 0.02 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

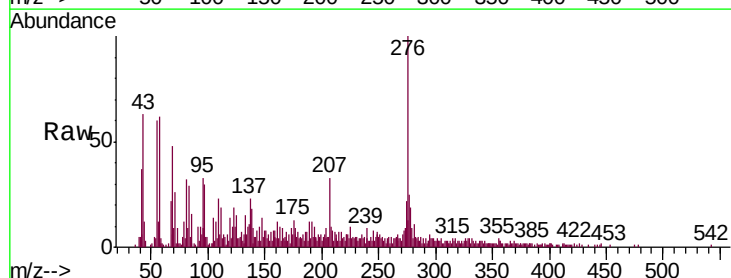
Tgt Ion:276 Resp: 56075

Ion Ratio Lower Upper

276 100

138 21.9 25.0 37.6#

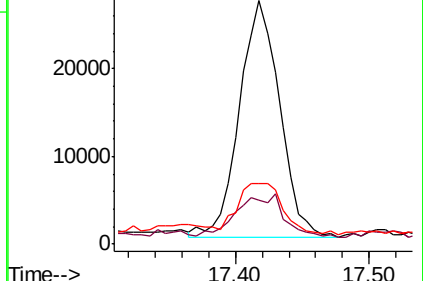
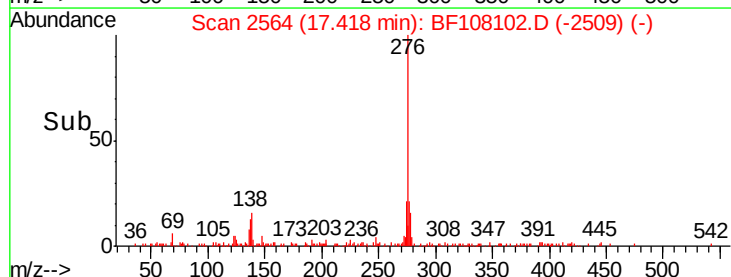
277 23.2 20.1 30.1

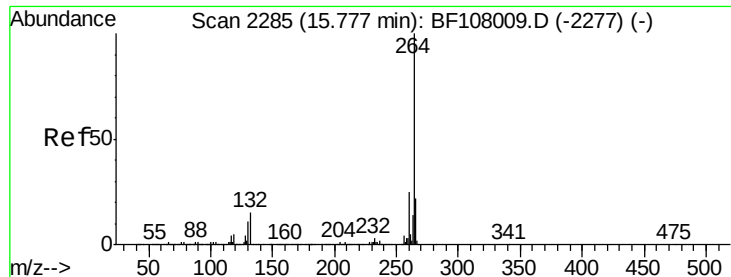


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

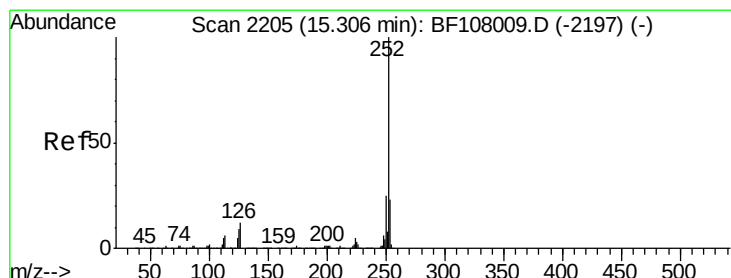
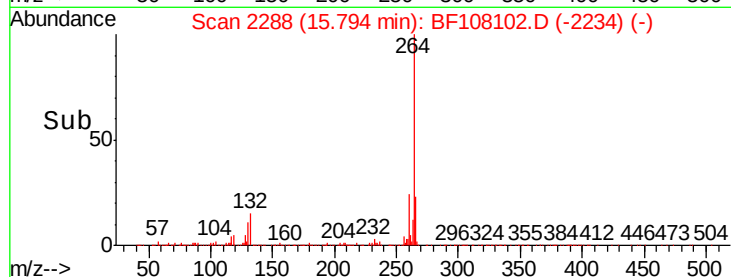
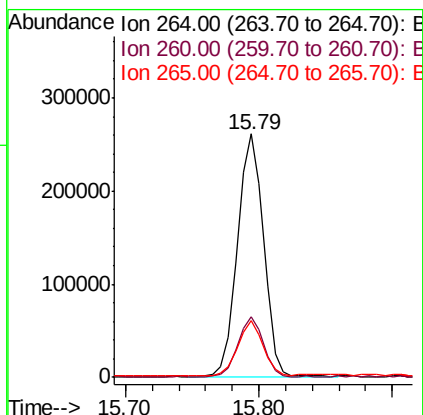
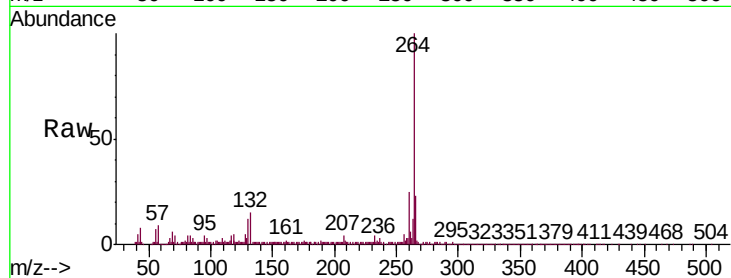




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.79 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

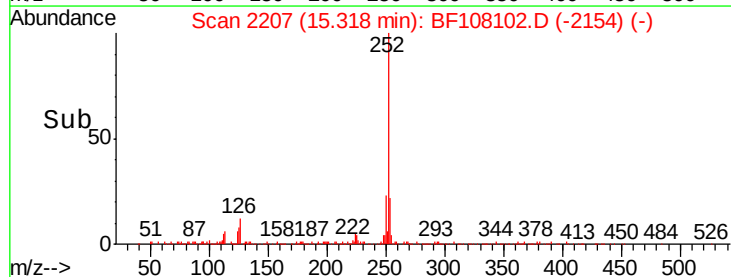
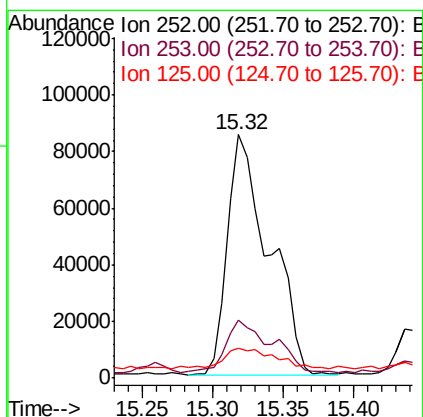
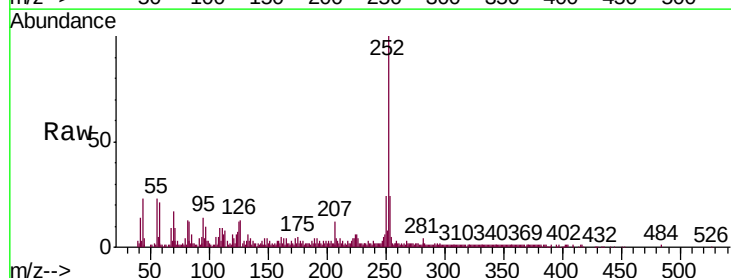
Instrument :
BNA_F
ClientSampleId :
SU-02-080918-B

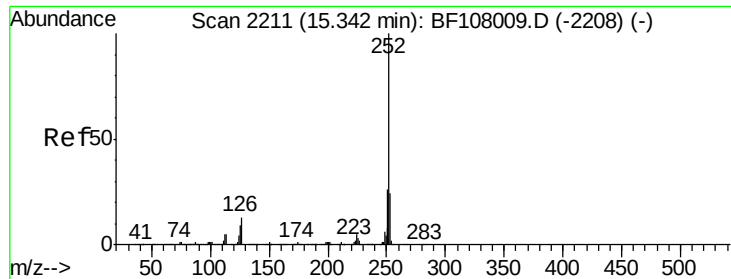
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	23.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 8.339 ng
RT: 15.32 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	12.3	9.0	13.6

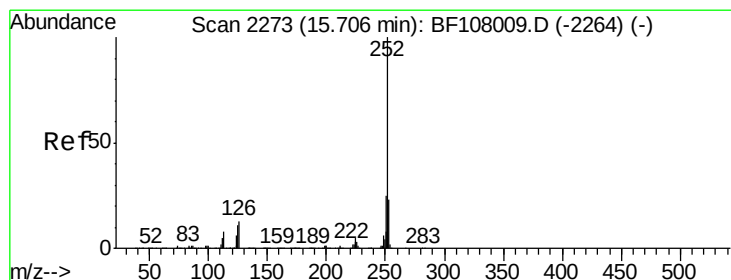
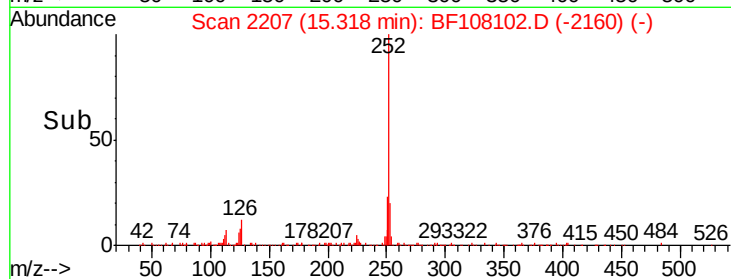
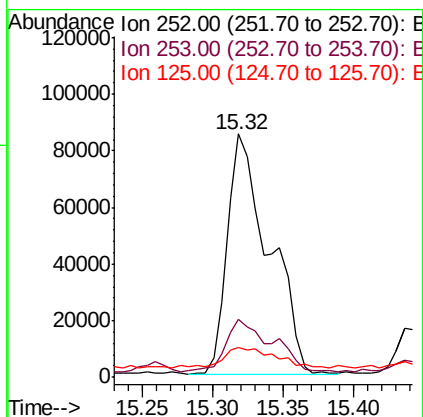
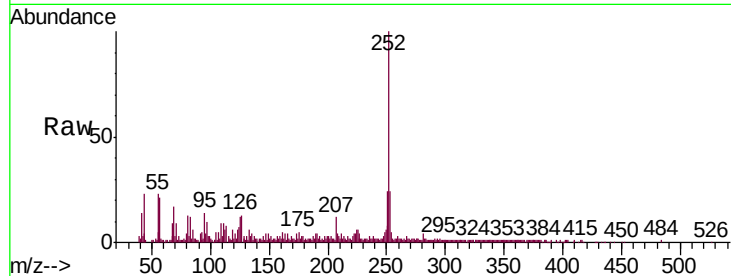




#88
Benzo(k)fluoranthene
Concen: 9.072 ng
RT: 15.32 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

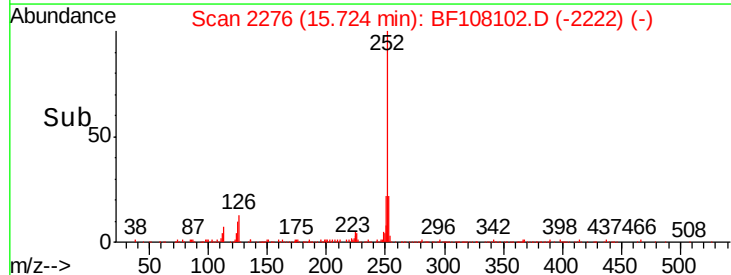
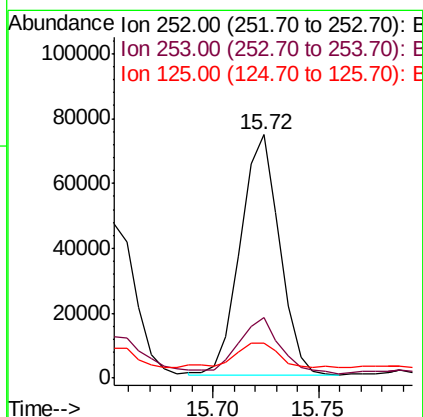
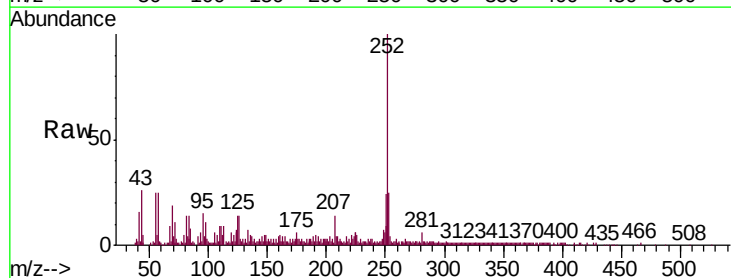
Instrument :
BNA_F
ClientSampleId :
SU-02-080918-B

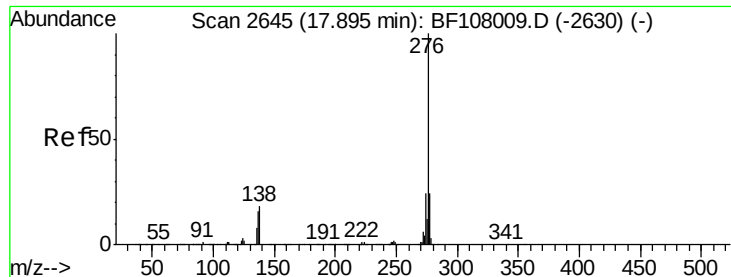
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	12.3	10.2	15.2



#89
Benzo(a)pyrene
Concen: 5.074 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF108102.D
Acq: 10 Aug 2018 23:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.1	25.7
125	14.3	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 3.664 ng

RT: 17.91 min Scan# 2648

Delta R.T. 0.02 min

Lab File: BF108102.D

Acq: 10 Aug 2018 23:36

Instrument :

BNA_F

ClientSampleId :

SU-02-080918-B

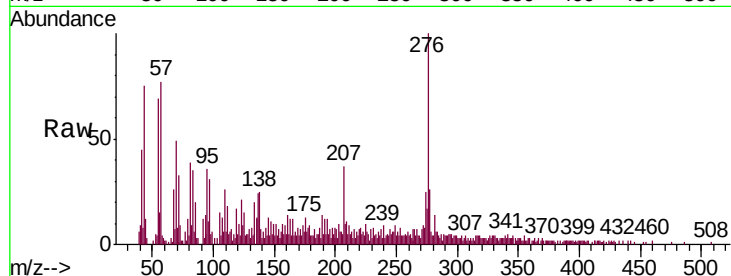
Tgt Ion: 276 Resp: 56057

Ion Ratio Lower Upper

276 100

277 26.3 17.9 26.9

138 24.8 21.8 32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

