

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080918\
 Data File : BF108057.D
 Acq On : 9 Aug 2018 17:22
 Operator : JU/SJ
 Sample : J4394-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-006-ABCD

Quant Time: Aug 10 01:08:55 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	276341	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1005971	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	442461	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	747035	20.00	ng	0.00
75) Chrysene-d12	14.21	240	676311	20.00	ng	0.00
86) Perylene-d12	15.78	264	502389	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	1506918	98.73	ng	0.01
7) Phenol-d6	6.63	99	1994006	98.31	ng	0.00
23) Nitrobenzene-d5	7.58	82	1267087	70.29	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	403961	91.53	ng	0.00
44) 2-Fluorobiphenyl	9.38	172	2113130	76.67	ng	0.00
78) Terphenyl-d14	13.15	244	1933522	72.69	ng	0.00

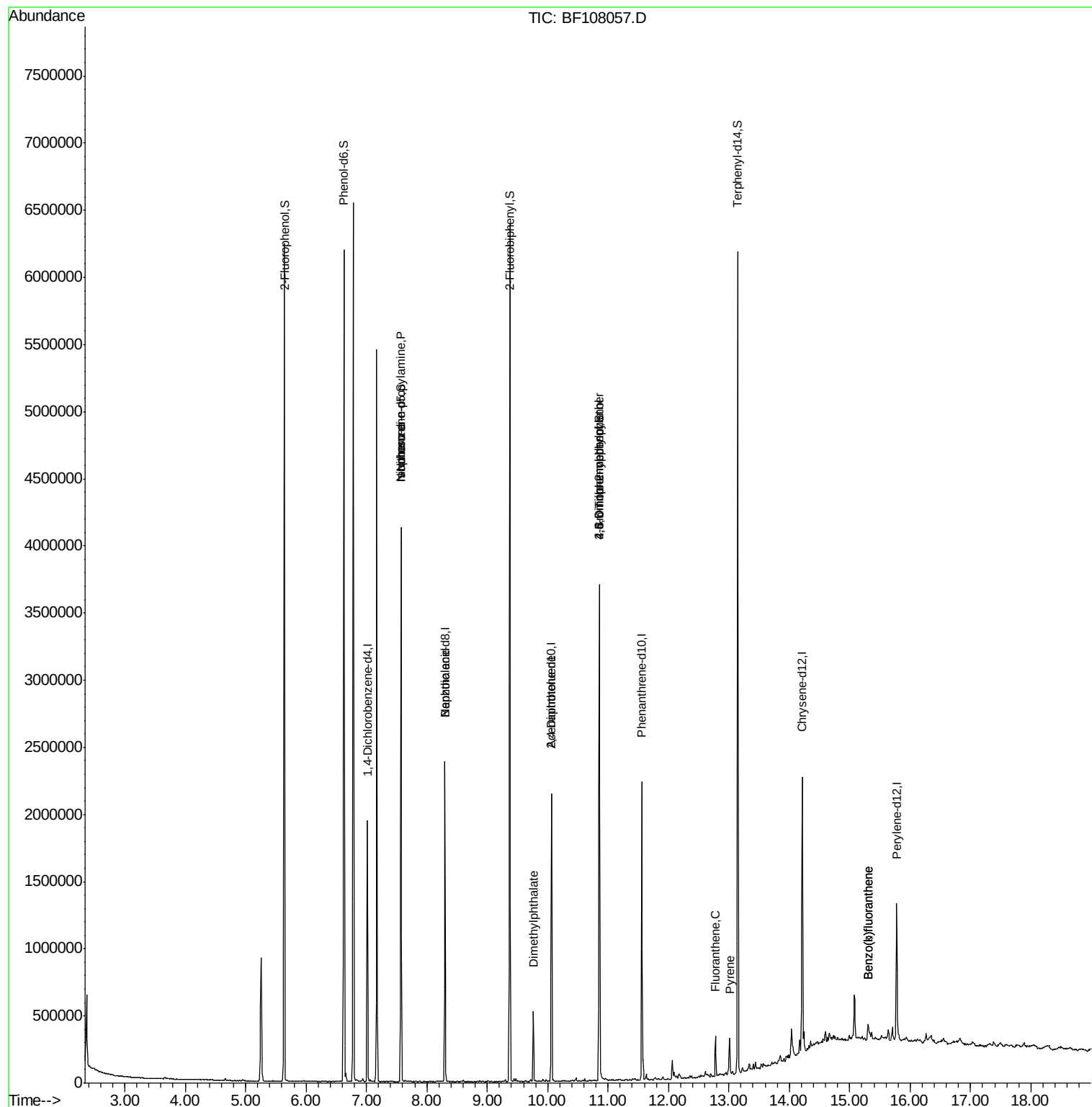
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.58	70	174094	12.693	ng	# 86
25) Isophorone	7.58	82	1264588	36.802	ng	# 64
32) Benzoic acid	8.30	122	240	5.998	ng	# 1
49) Dimethylphthalate	9.77	163	191986	6.229	ng	# 99
56) 2,4-Dinitrotoluene	10.06	165	56187	6.769	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.85	198	869	5.634	ng	# 1
66) 4-Bromophenyl-phenylether	10.85	248	28115	3.463	ng	# 1
74) Fluoranthene	12.78	202	106517	2.770	ng	95
77) Pyrene	13.01	202	112280	2.622	ng	98
87) Benzo(b)fluoranthene	15.31	252	93571	3.117	ng	# 91
88) Benzo(k)fluoranthene	15.31	252	93571	3.391	ng	94

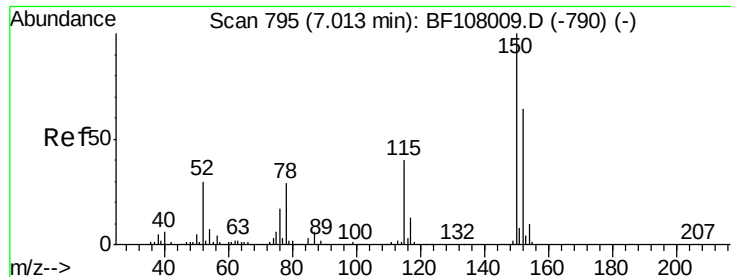
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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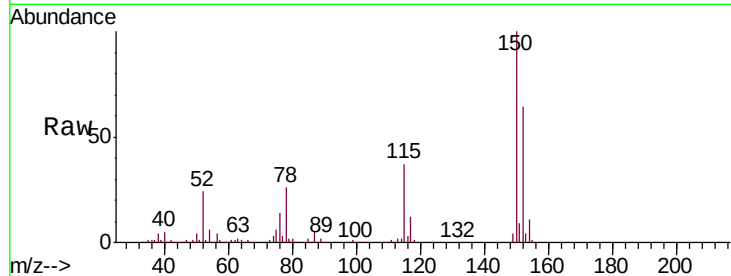


#1

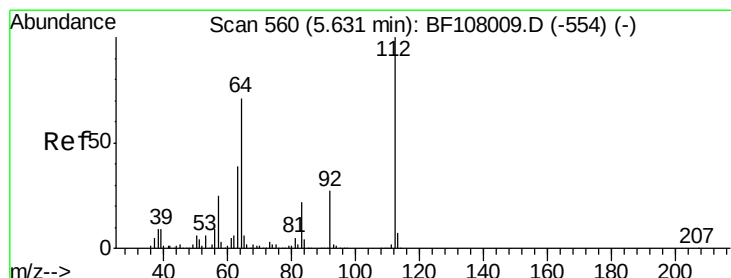
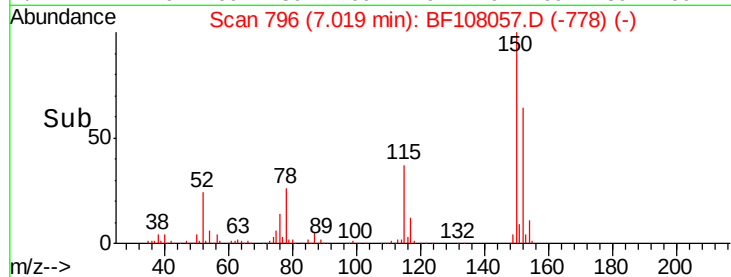
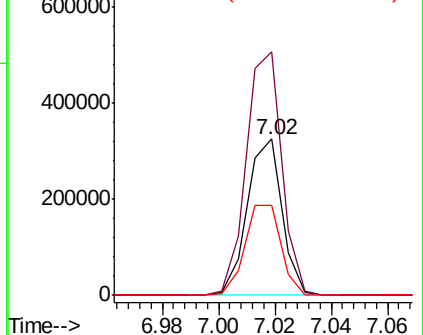
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.02 min Scan# 796
Delta R.T. 0.01 min
Lab File: BF108057.D
Acq: 9 Aug 2018 17:22

Instrument :
BNA_F
ClientSampleId :
FK-EF-01-006-ABCD

Tgt Ion:152 Resp: 276341
Ion Ratio Lower Upper
152 100
150 155.8 124.6 186.8
115 58.0 50.1 75.1



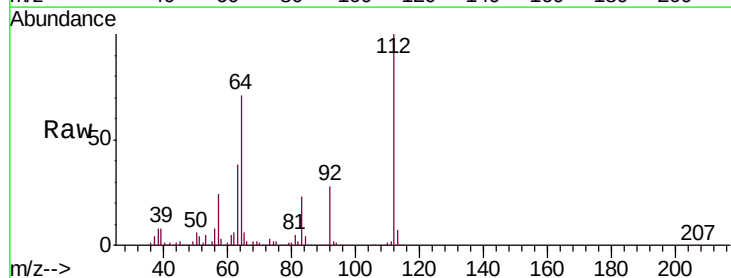
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



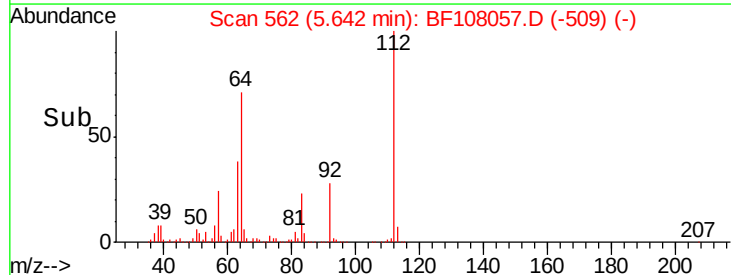
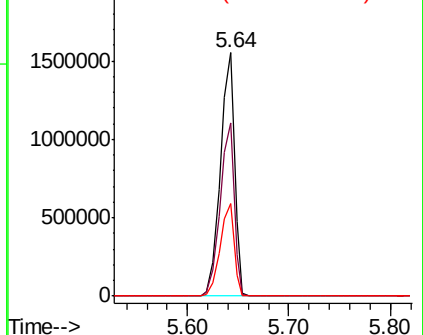
#5

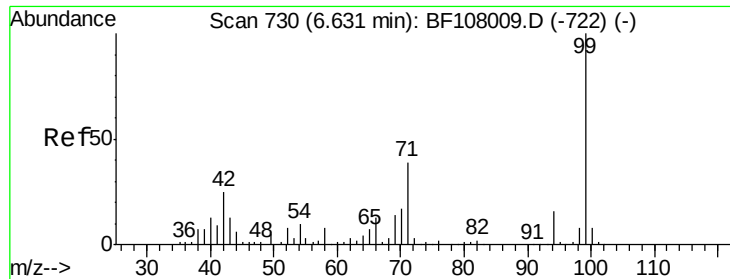
2-Fluorophenol
Concen: 98.726 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108057.D
Acq: 9 Aug 2018 17:22

Tgt Ion:112 Resp: 1506918
Ion Ratio Lower Upper
112 100
64 71.2 47.9 71.9
63 37.9 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: 98.308 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-006-ABCD

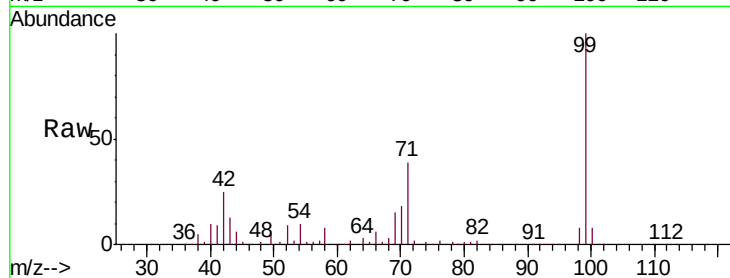
Tgt Ion: 99 Resp: 1994006

Ion Ratio Lower Upper

99 100

42 25.5 14.5 21.7#

71 39.5 25.4 38.0#

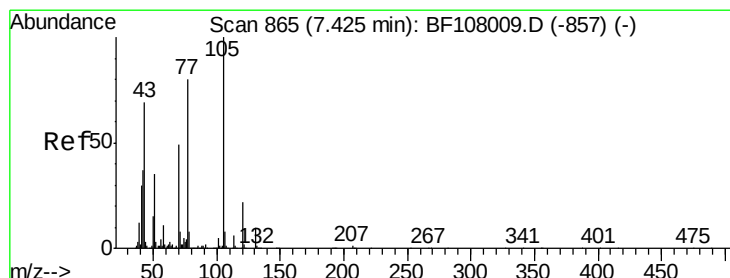
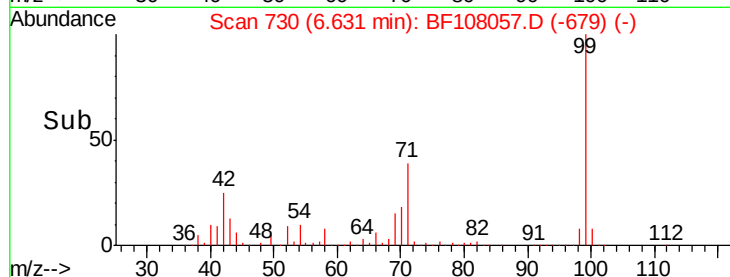
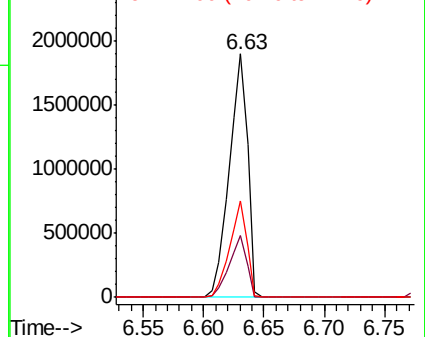


Abundance

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: 12.693 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

Tgt Ion: 70 Resp: 174094

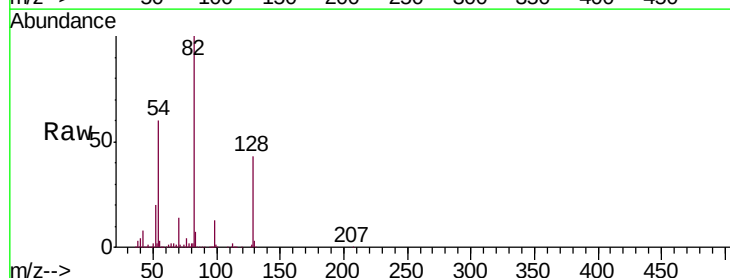
Ion Ratio Lower Upper

70 100

42 57.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#



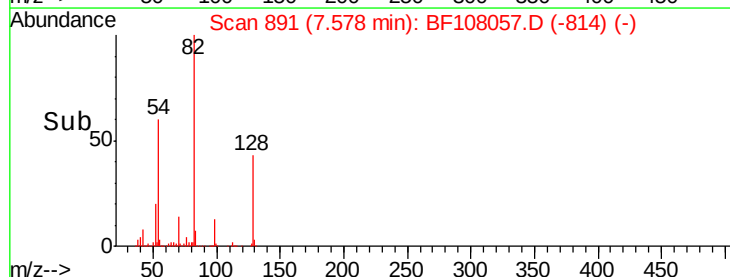
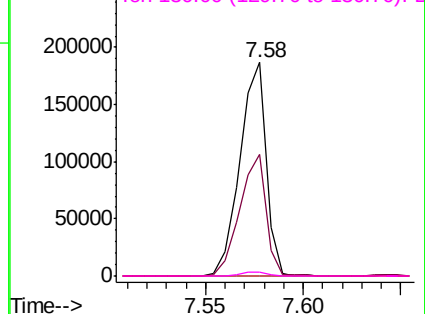
Abundance

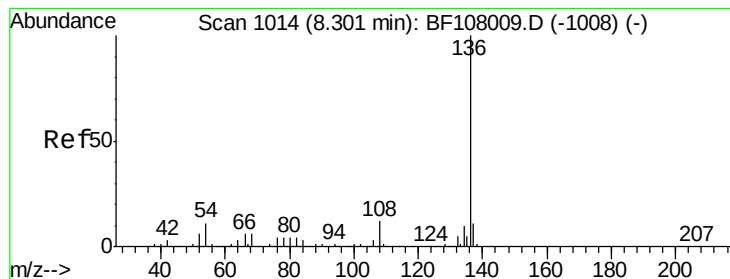
Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-006-ABCD

Tgt Ion:136 Resp: 1005971

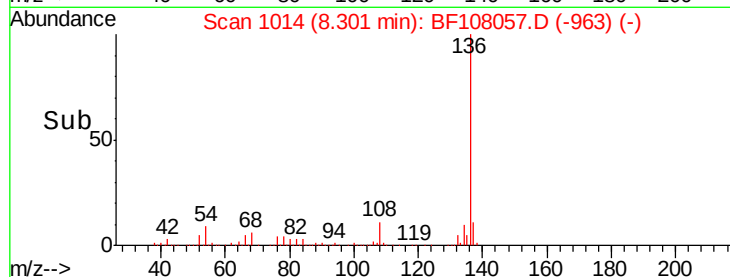
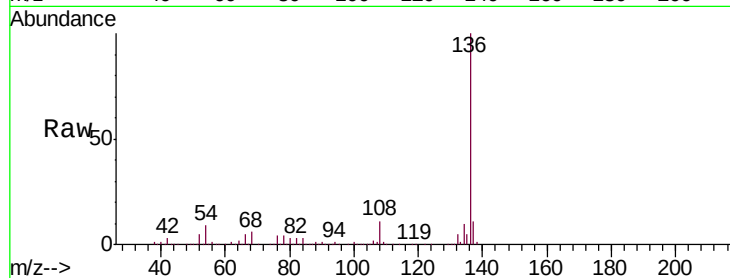
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.5 6.6 9.8

68 5.8 5.0 7.4

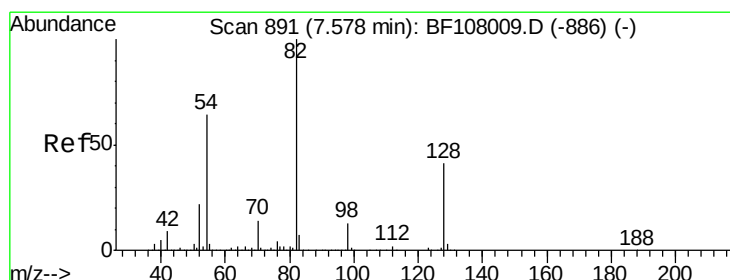
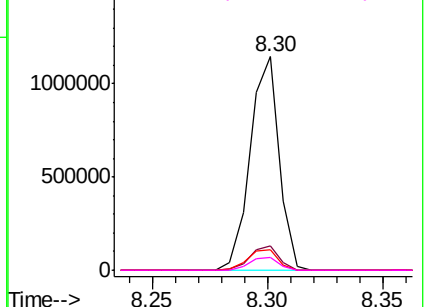


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.286 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

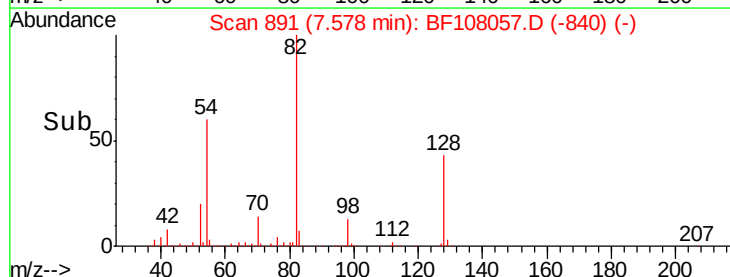
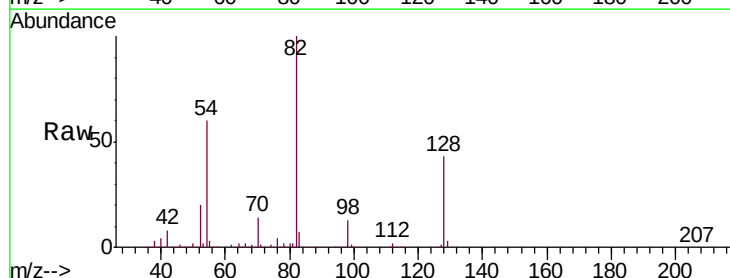
Tgt Ion: 82 Resp: 1267087

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

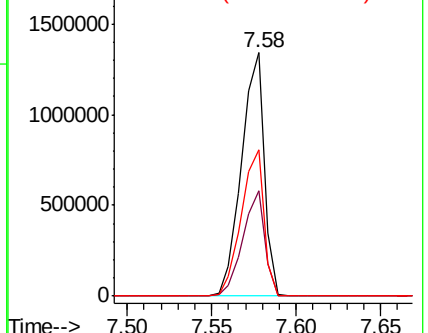
54 60.1 41.4 62.2

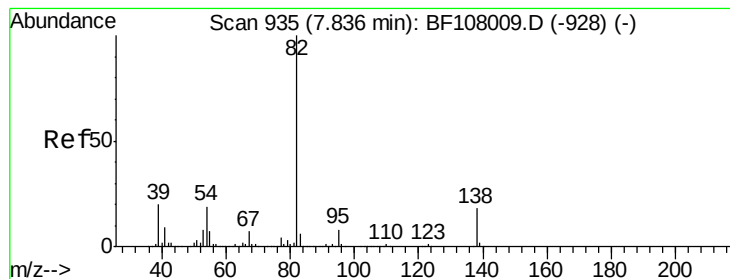


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.802 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108057.D

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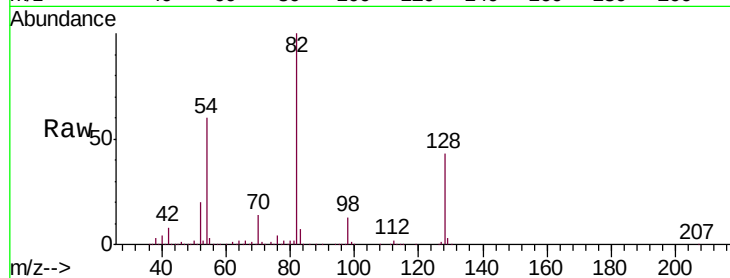
Tgt Ion: 82 Resp: 1264588

Ion Ratio Lower Upper

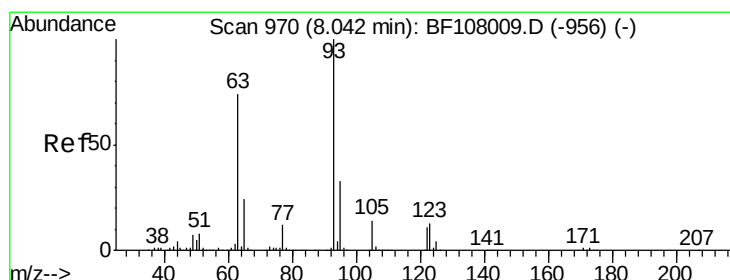
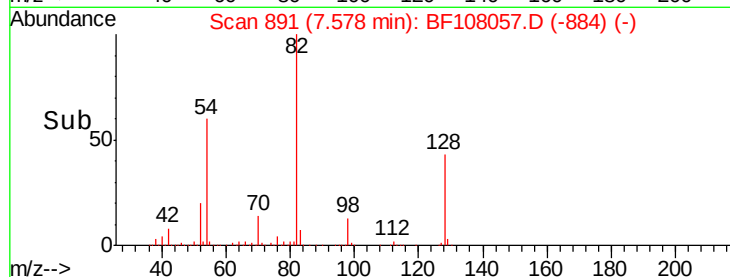
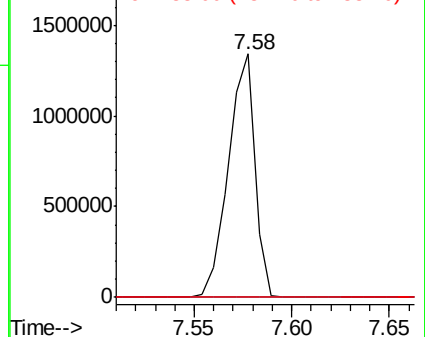
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 5.998 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.26 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

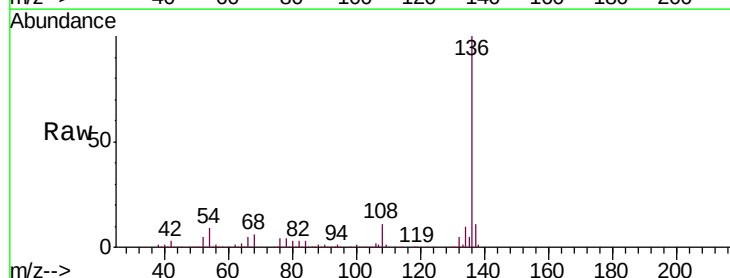
Tgt Ion: 122 Resp: 240

Ion Ratio Lower Upper

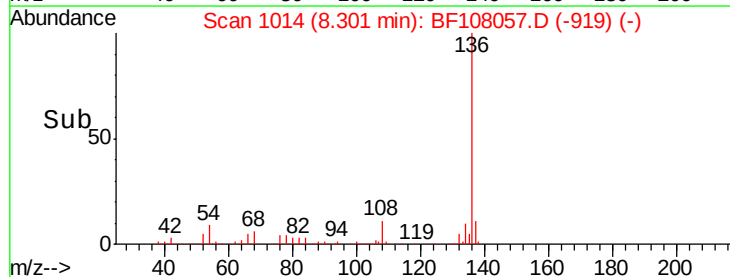
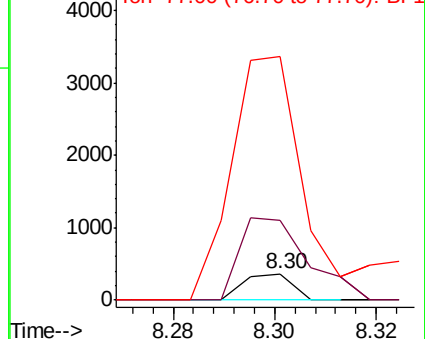
122 100

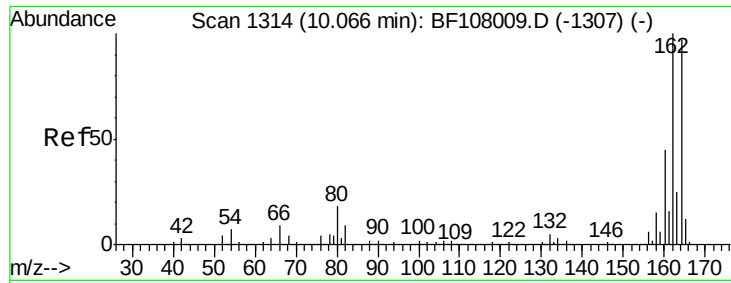
105 304.1 101.1 141.1#

77 929.3 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: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

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FK-EF-01-006-ABCD

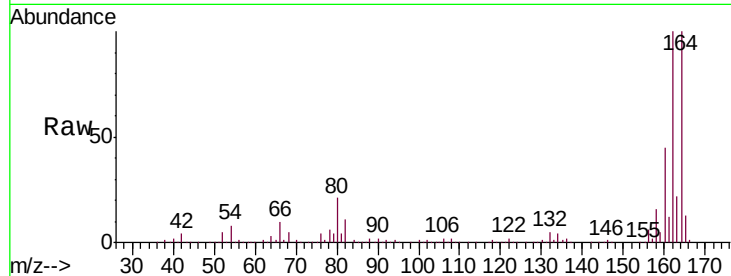
Tgt Ion:164 Resp: 442461

Ion Ratio Lower Upper

164 100

162 100.5 86.1 129.1

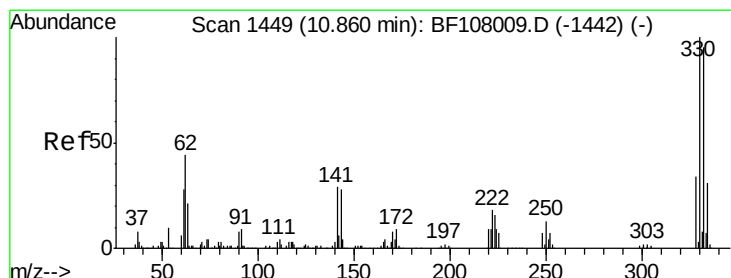
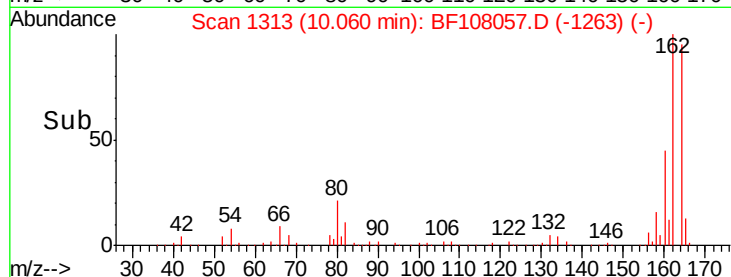
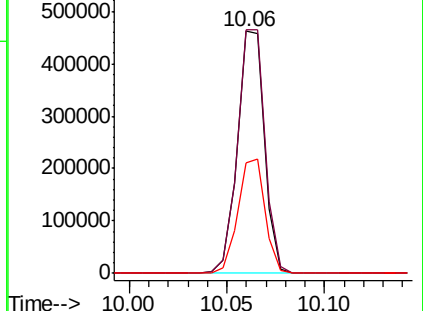
160 45.4 38.3 57.5



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: 91.530 ng

RT: 10.85 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

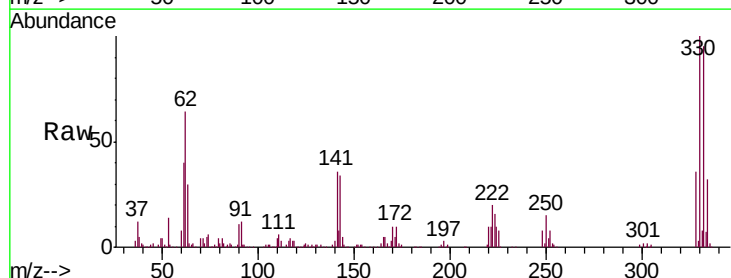
Tgt Ion:330 Resp: 403961

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

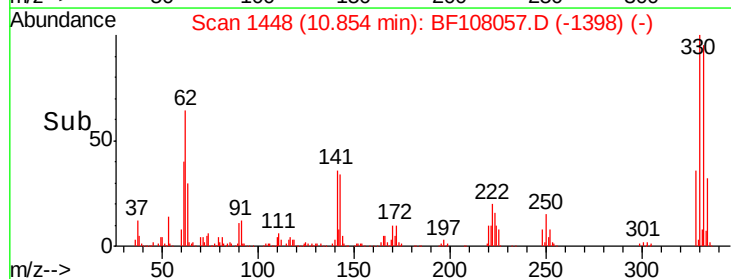
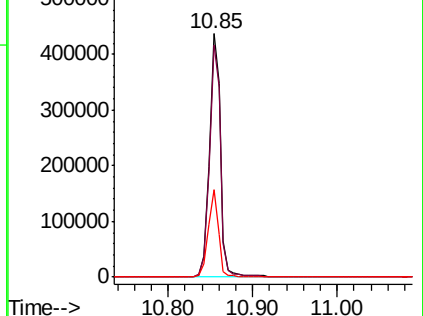
141 33.1 29.9 44.9

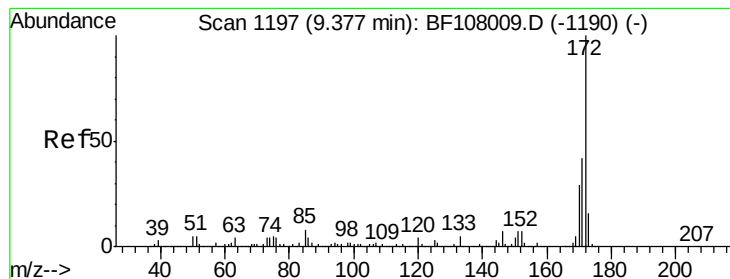


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

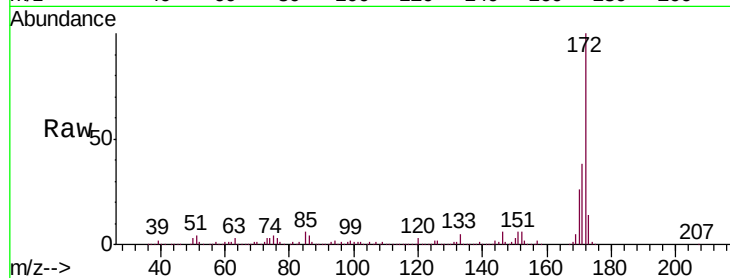




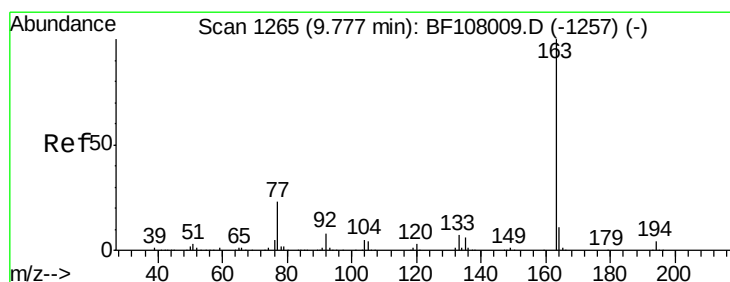
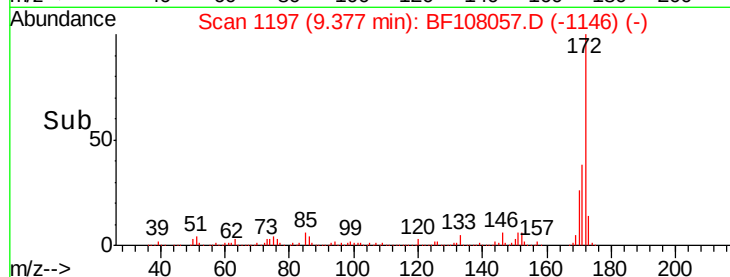
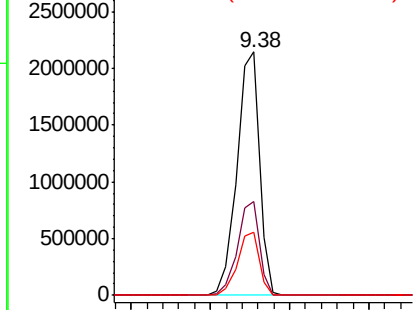
#44
 2-Fluorobiphenyl
 Concen: 76.675 ng
 RT: 9.38 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

Instrument :
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Tgt Ion:172 Resp: 2113130
 Ion Ratio Lower Upper
 172 100
 171 38.3 29.7 44.5
 170 25.8 19.6 29.4

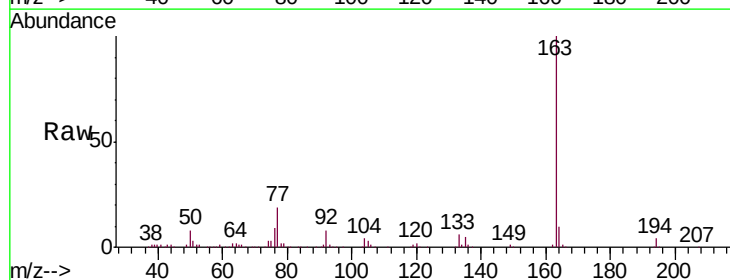


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

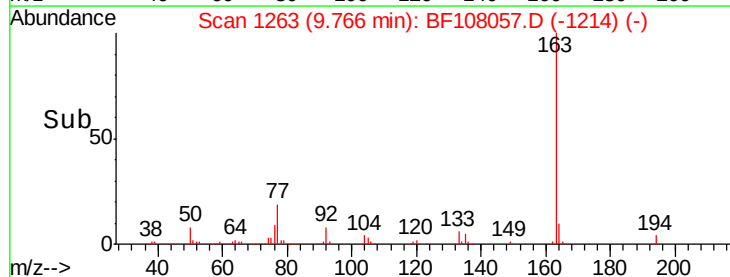
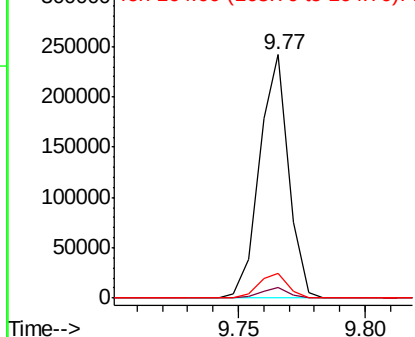


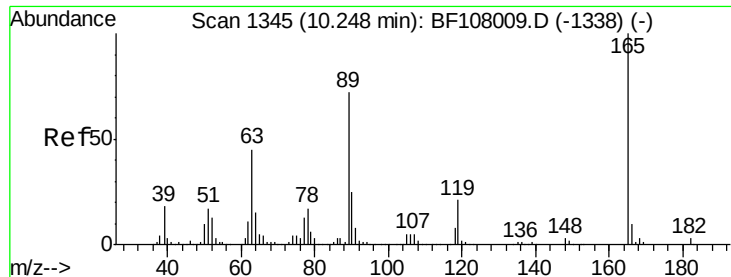
#49
 Dimethylphthalate
 Concen: 6.229 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.01 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

Tgt Ion:163 Resp: 191986
 Ion Ratio Lower Upper
 163 100
 194 4.2 2.7 4.1#
 164 10.1 8.2 12.2



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

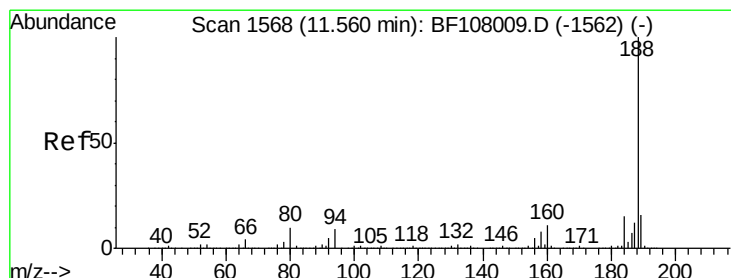
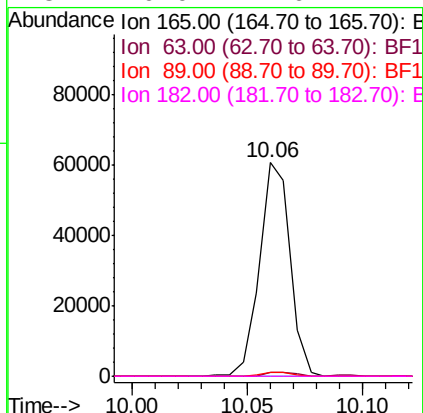
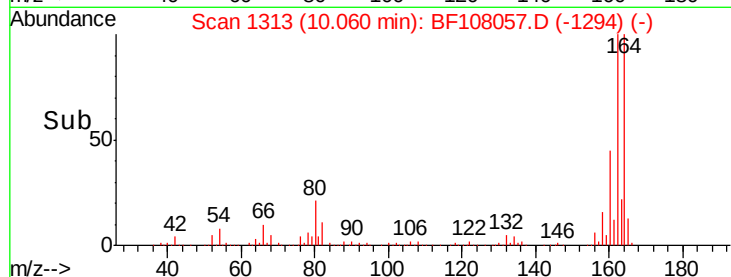
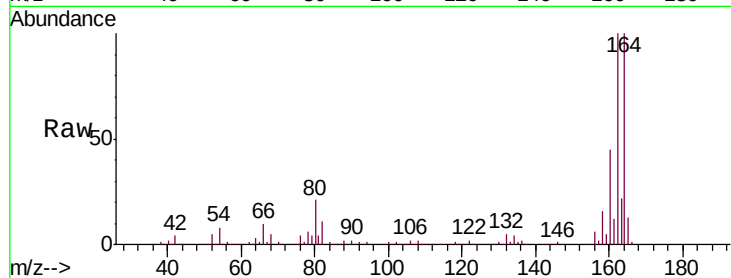




#56
 2,4-Dinitrotoluene
 Concen: 6.769 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.19 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

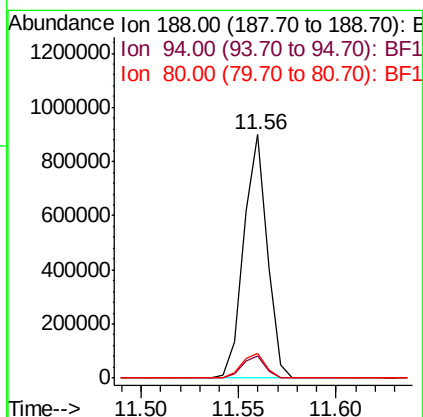
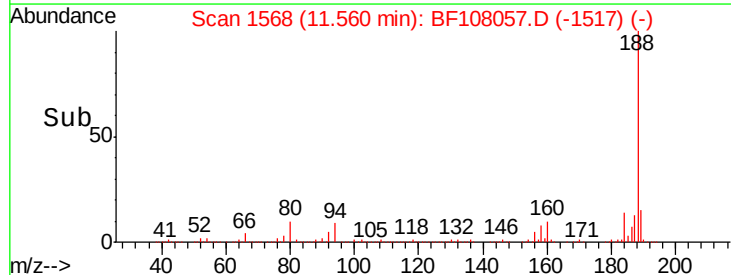
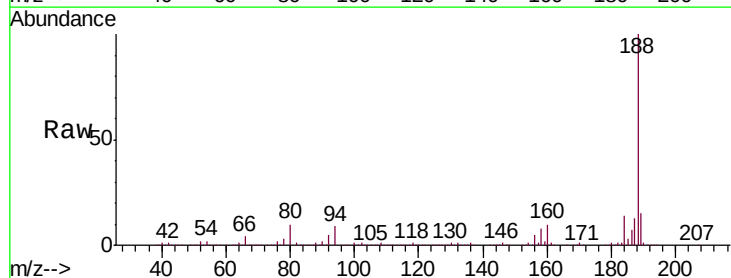
Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-006-ABCD

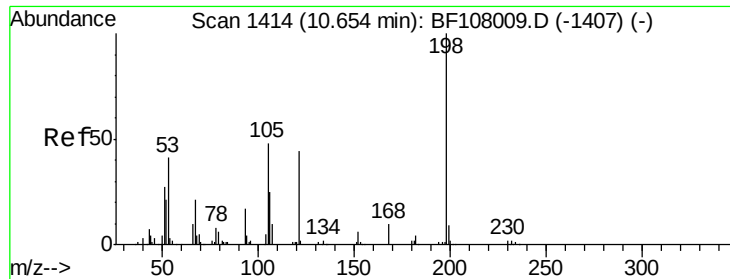
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.6	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.5	12.7
80	10.0	9.2	13.8

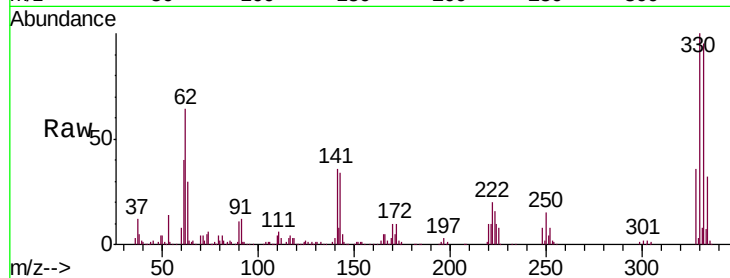




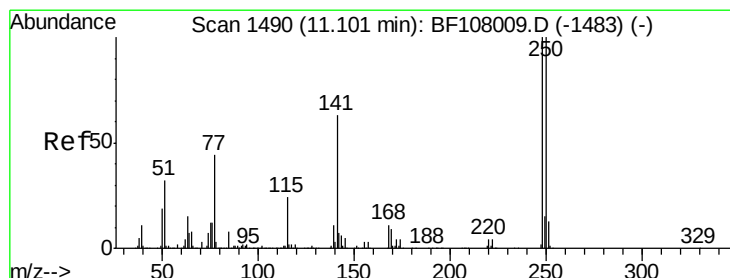
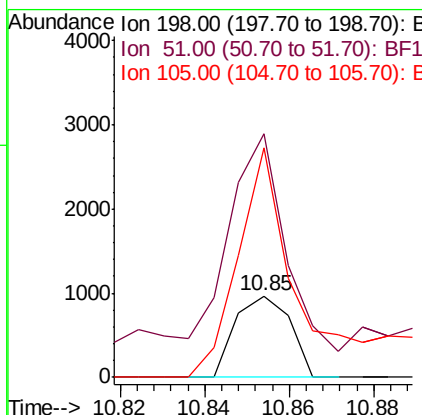
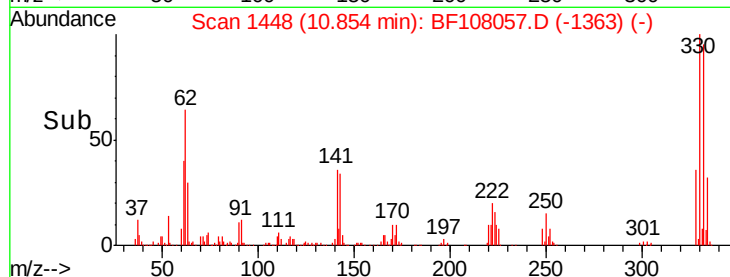
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.634 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. 0.20 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-006-ABCD

Tgt Ion:198 Resp: 869
 Ion Ratio Lower Upper
 198 100
 51 298.9 37.7 77.7#
 105 281.8 36.3 76.3#

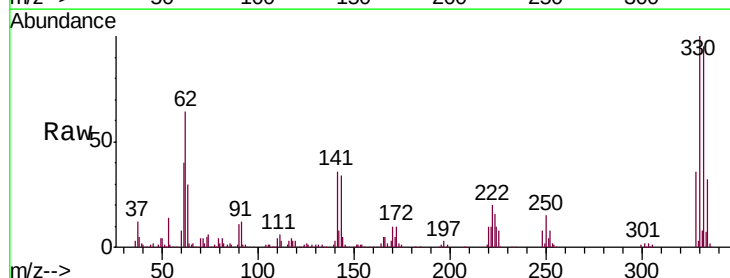


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

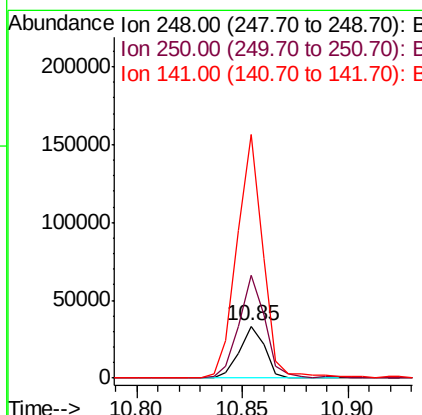
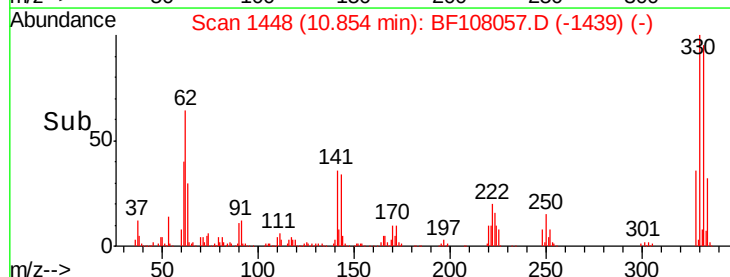


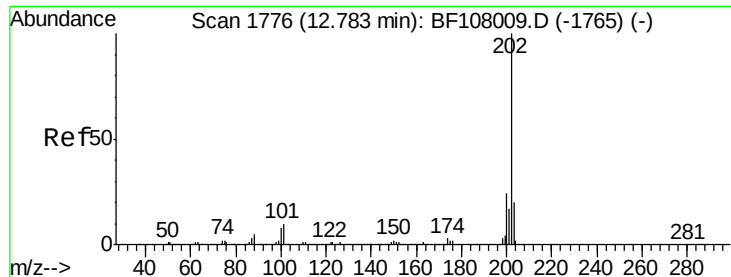
#66
 4-Bromophenyl-phenylether
 Concen: 3.463 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.25 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

Tgt Ion:248 Resp: 28115
 Ion Ratio Lower Upper
 248 100
 250 198.2 76.9 115.3#
 141 467.2 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.770 ng

RT: 12.78 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-006-ABCD

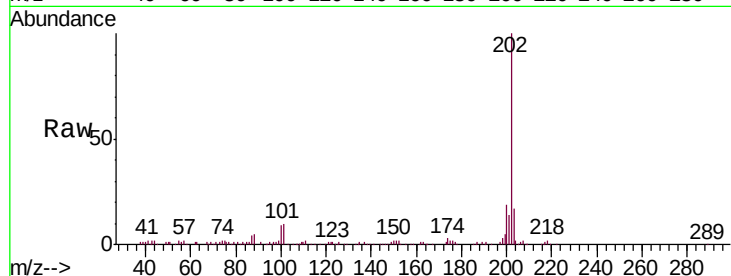
Tgt Ion: 202 Resp: 106517

Ion Ratio Lower Upper

202 100

101 10.2 0.0 34.1

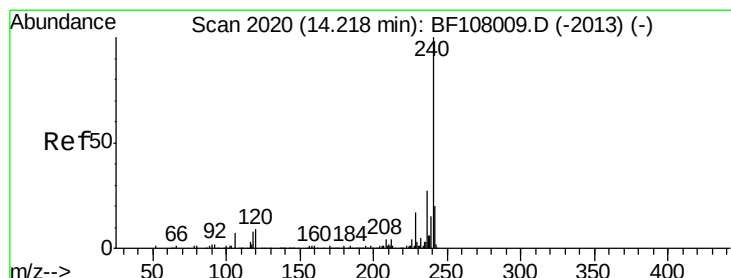
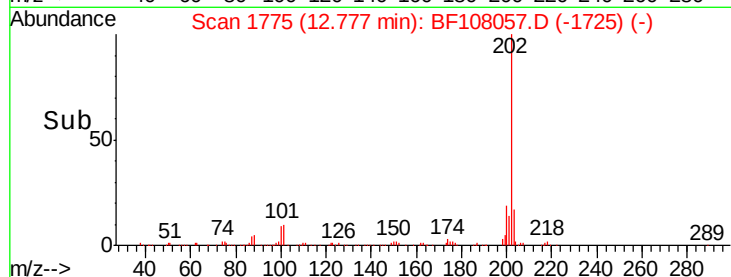
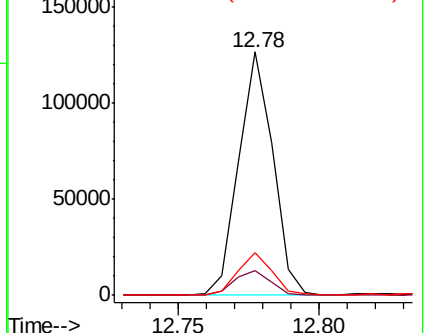
203 17.5 0.0 38.1



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: 14.21 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

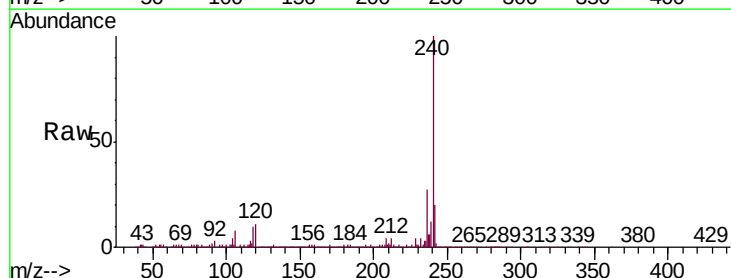
Tgt Ion: 240 Resp: 676311

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

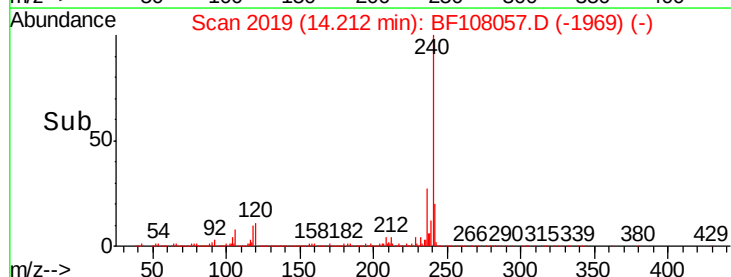
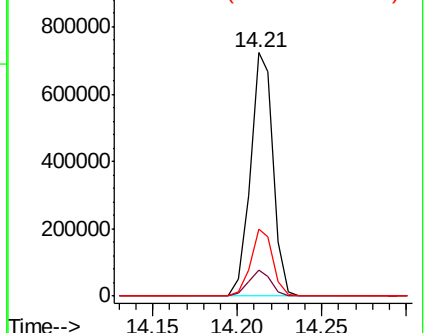
236 27.3 20.7 31.1

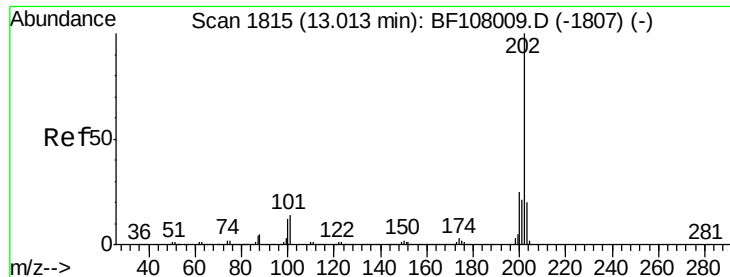


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

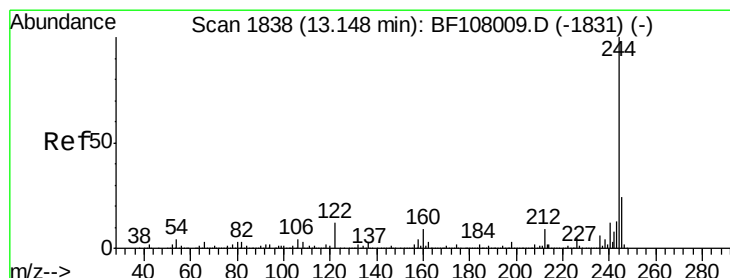
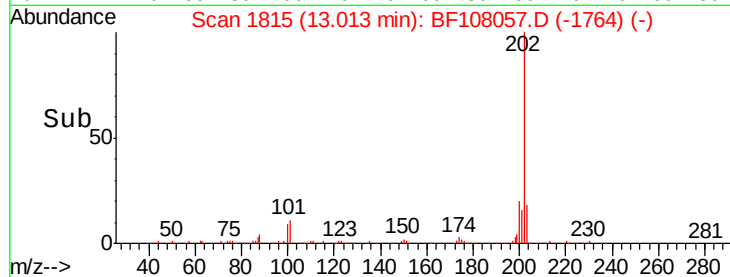
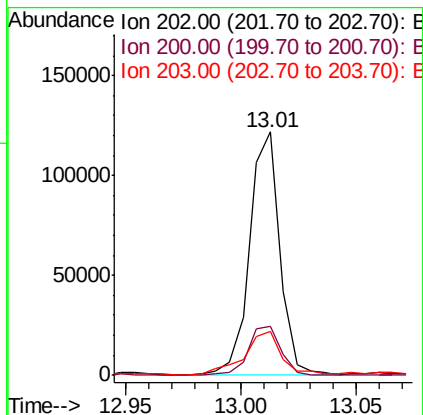
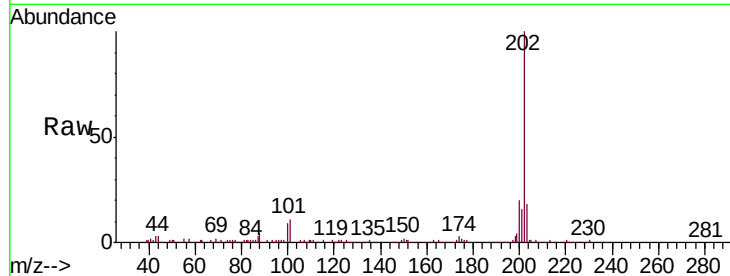




#77
 Pyrene
 Concen: 2.622 ng
 RT: 13.01 min Scan# 1815
 Delta R.T. 0.00 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

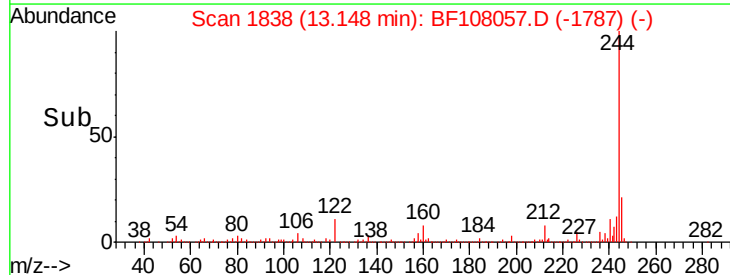
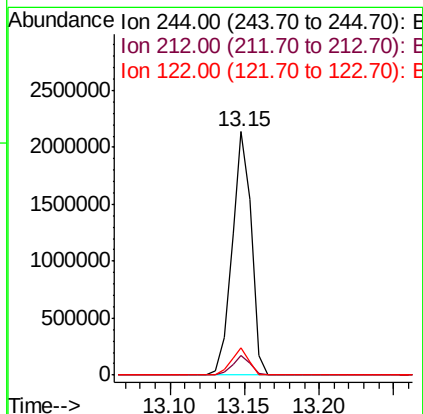
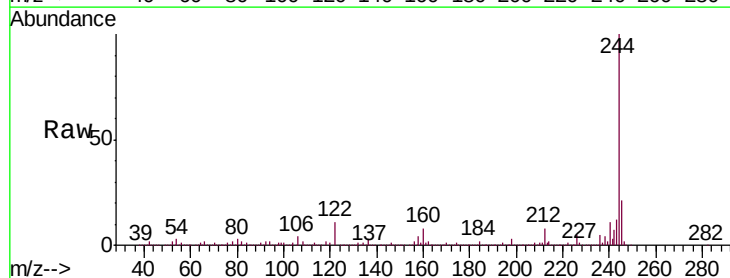
Instrument :
 BNA_F
 ClientSampleId :
 FK-EF-01-006-ABCD

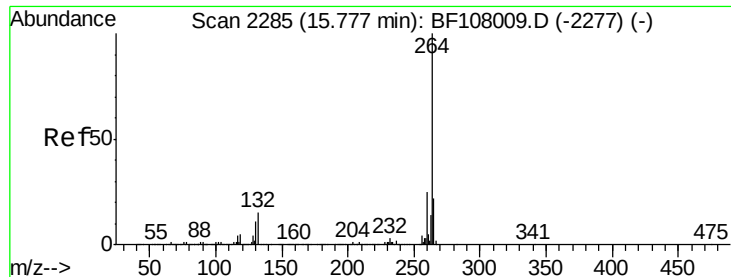
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	18.2	14.3	21.5



#78
 Terphenyl-d14
 Concen: 72.690 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF108057.D
 Acq: 9 Aug 2018 17:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.4	8.0
122	11.3	11.0	16.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.78 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-006-ABCD

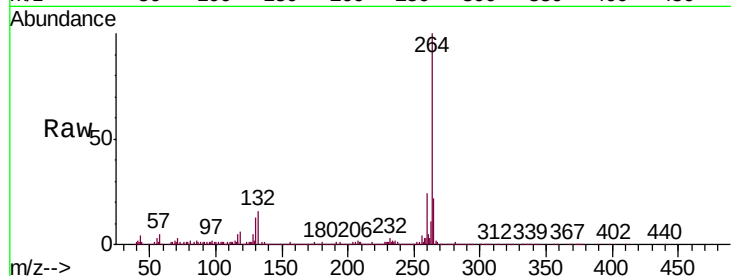
Tgt Ion:264 Resp: 502389

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

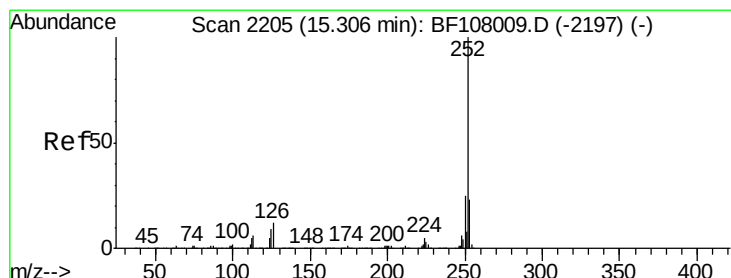
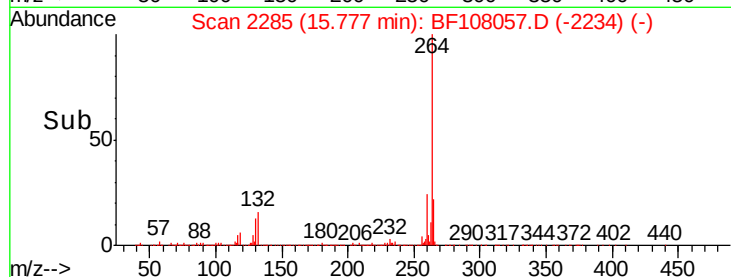
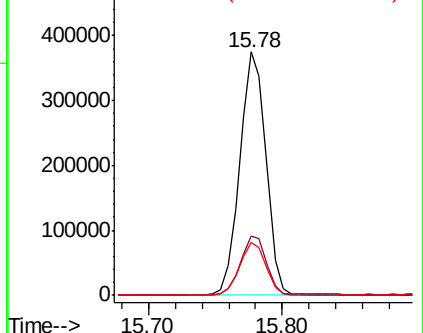
265 21.9 17.5 26.3



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: 3.117 ng

RT: 15.31 min Scan# 2205

Delta R.T. 0.00 min

Lab File: BF108057.D

Acq: 9 Aug 2018 17:22

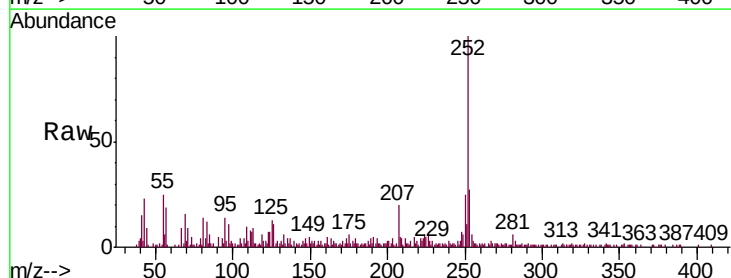
Tgt Ion:252 Resp: 93571

Ion Ratio Lower Upper

252 100

253 26.7 17.0 25.6#

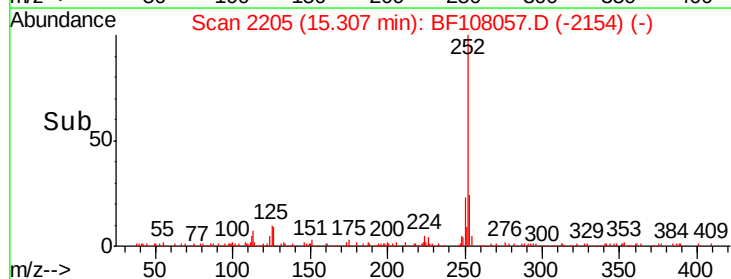
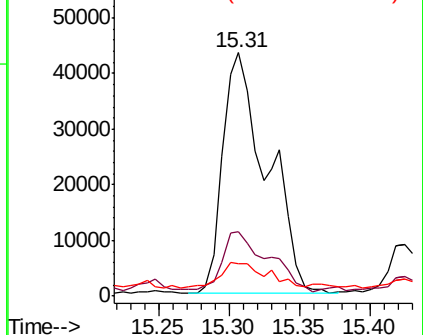
125 13.4 9.0 13.6

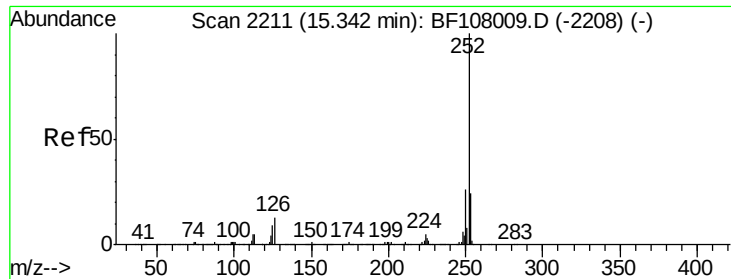


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.391 ng

RT: 15.31 min Scan# 2205

Delta R.T. -0.04 min

Lab File: BF108057.D

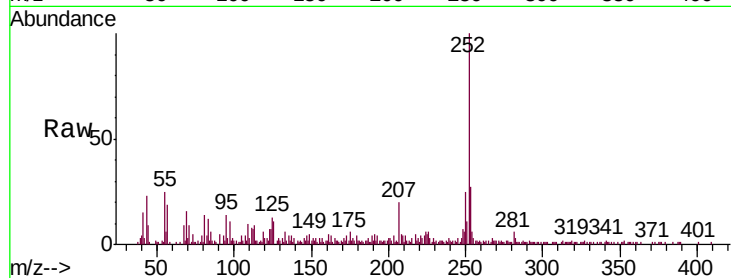
Acq: 9 Aug 2018 17:22

Instrument :

BNA_F

ClientSampleId :

FK-EF-01-006-ABCD



Tgt Ion:	252	Resp:	93571
Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	13.4	10.2	15.2

