

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113865.D
 Acq On : 19 Apr 2019 18:13
 Operator : JU/SJ
 Sample : K2193-11 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-C

Quant Time: Apr 19 23:24:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

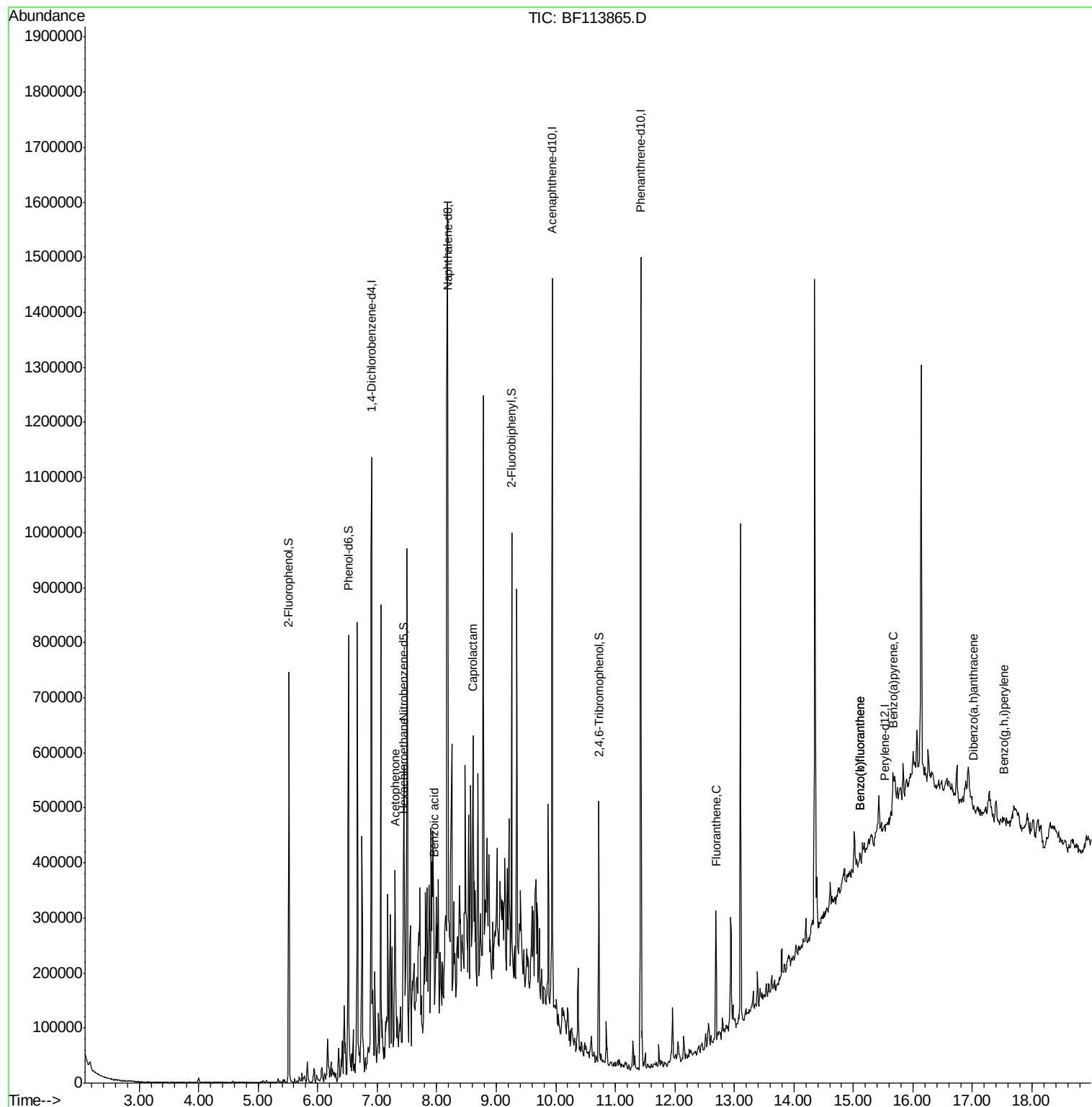
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	157648	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	521603	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	239041	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	507905	20.00	ng	0.02
76) Chrysene-d12	0.00	240	0	0.00	ng	-14.04
87) Perylene-d12	15.53	264	635	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	197226	20.80	ng	0.00
7) Phenol-d6	6.52	99	244209	20.65	ng	0.00
23) Nitrobenzene-d5	7.45	82	125753	14.68	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	57271	21.69	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	222628	14.20	ng	0.00
79) Terphenyl-d14	13.10	244	328034	0.00	ng	0.11
Target Compounds						
9) Benzaldehyde	6.43	77	1410	Below Cal	Qvalue	# 1
18) Hexachloroethane	7.44	117	11352	2.676 ng	#	1
22) Acetophenone	7.30	105	32227	2.712 ng	#	45
32) Benzoic acid	7.96	122	294	5.980 ng	#	1
35) Caprolactam	8.61	113	9330	3.715 ng	#	1
75) Fluoranthene	12.69	202	98349	3.587 ng		96
88) Benzo(b)fluoranthene	15.12	252	998	25.211 ng	#	1
89) Benzo(k)fluoranthene	15.12	252	998	27.680 ng	#	1
90) Benzo(a)pyrene	15.67	252	61895	1768.266 ng	#	84
91) Dibenzo(a,h)anthracene	17.03	278	329	10.564 ng	#	1
92) Benzo(g,h,i)perylene	17.52	276	3753	118.555 ng	#	26

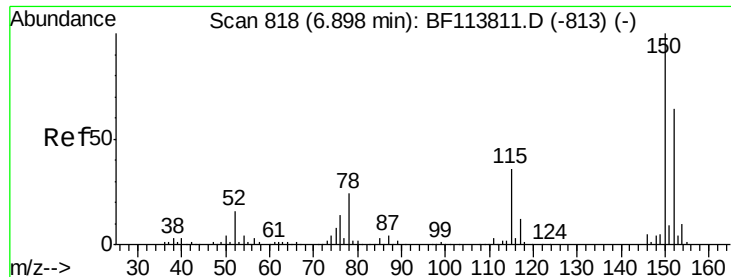
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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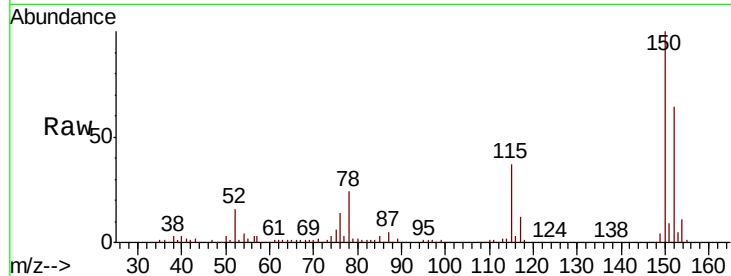


#1

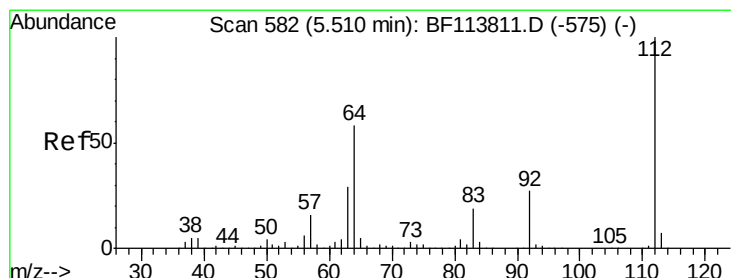
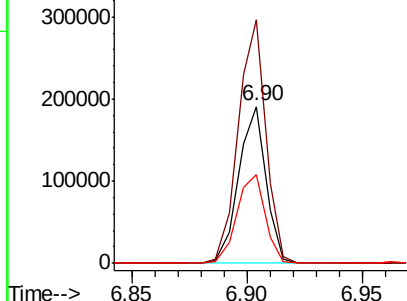
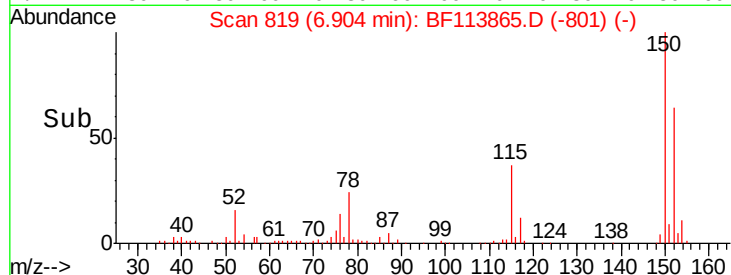
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-C

Tgt Ion:152 Resp: 157648
Ion Ratio Lower Upper
152 100
150 155.4 125.9 188.9
115 57.0 45.9 68.9



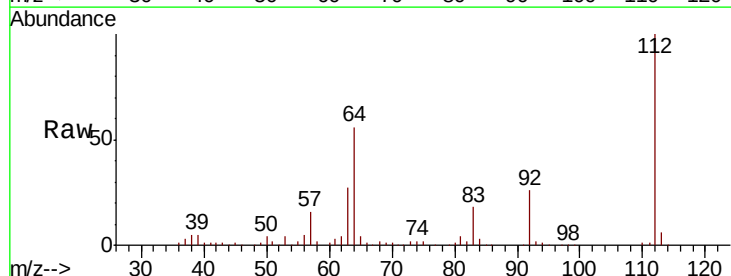
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



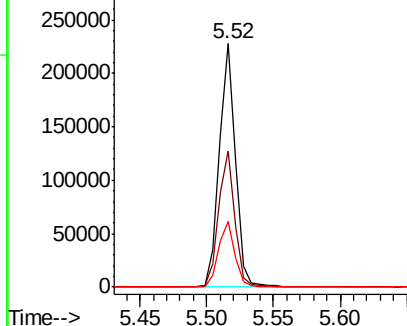
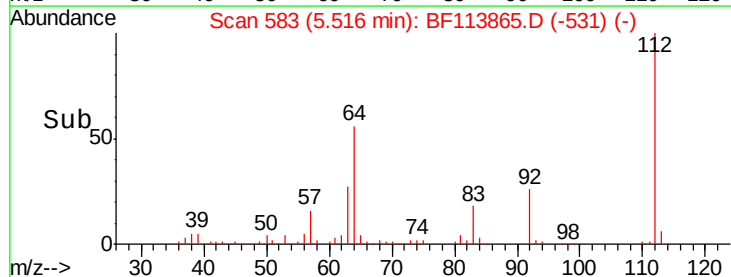
#5

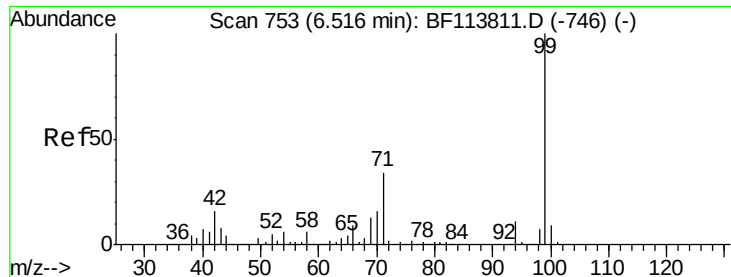
2-Fluorophenol
Concen: 20.802 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

Tgt Ion:112 Resp: 197226
Ion Ratio Lower Upper
112 100
64 55.8 46.6 69.8
63 27.0 23.1 34.7



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: 20.654 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-C

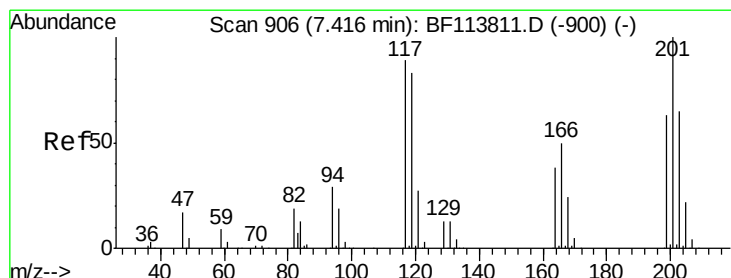
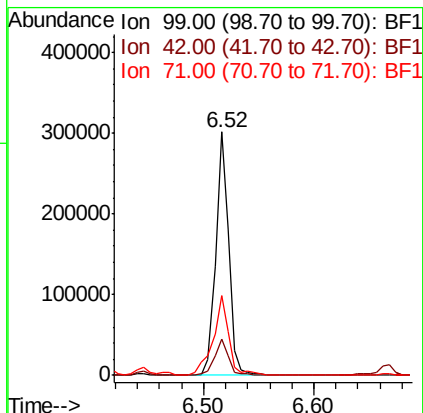
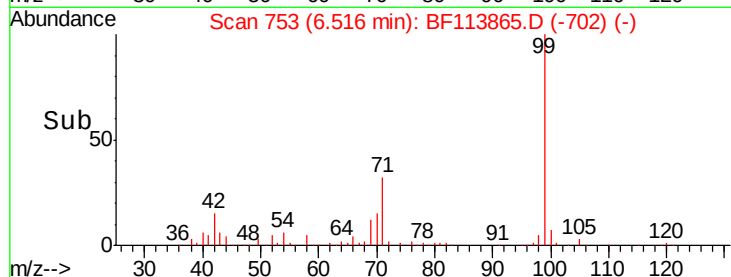
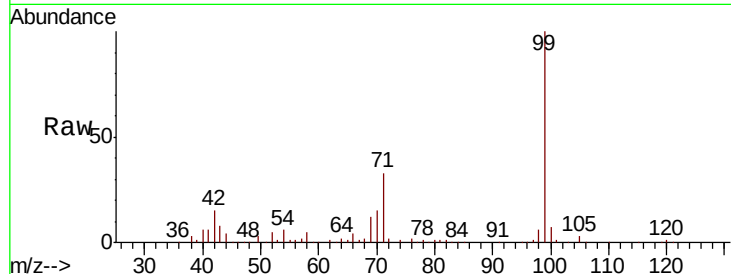
Tgt Ion: 99 Resp: 244209

Ion Ratio Lower Upper

99 100

42 14.9 12.5 18.7

71 32.6 26.9 40.3



#18

Hexachloroethane

Concen: 2.676 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.02 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

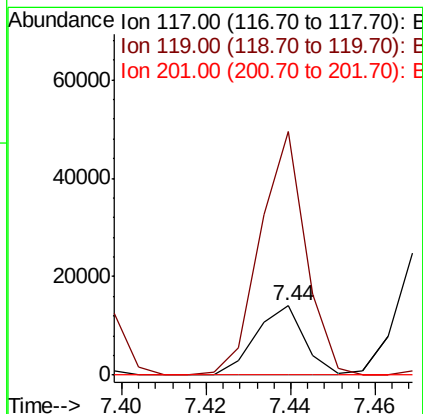
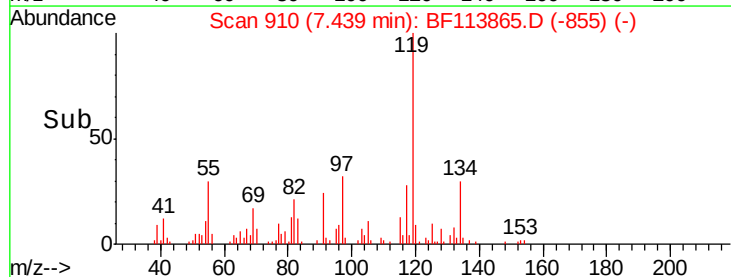
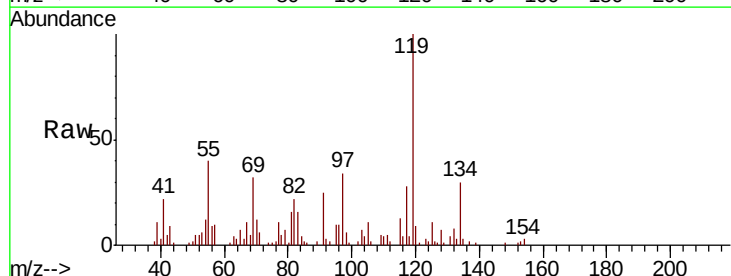
Tgt Ion: 117 Resp: 11352

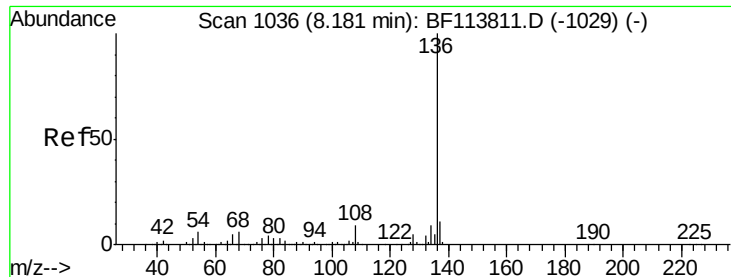
Ion Ratio Lower Upper

117 100

119 352.6 74.4 111.6#

201 0.0 90.2 135.2#

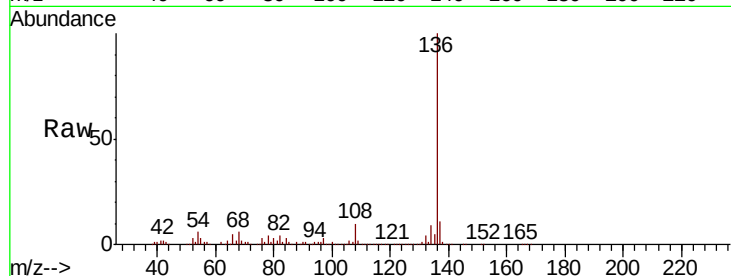




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.19 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-C

Tgt Ion:	136	Resp:	521603
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	5.9	5.0	7.6
68	6.2	4.9	7.3



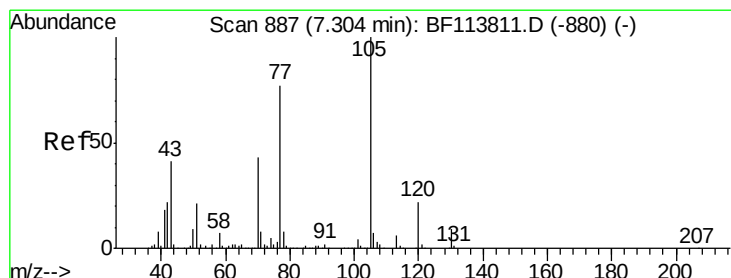
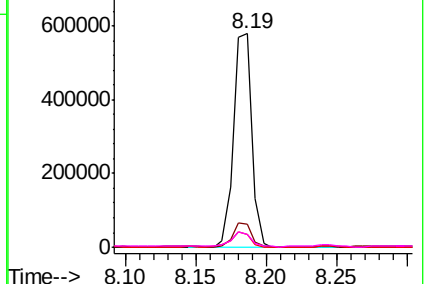
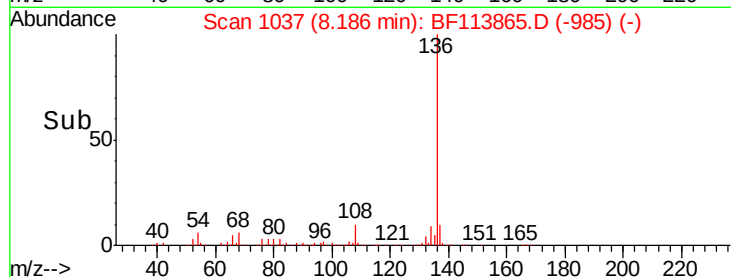
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

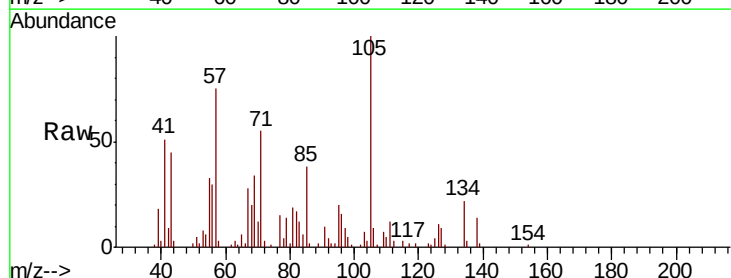
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22
Acetophenone
Concen: 2.712 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

Tgt Ion:	105	Resp:	32227
Ion	Ratio	Lower	Upper
105	100		
71	55.0	6.1	9.1#
51	4.8	16.8	25.2#
120	0.0	17.6	26.4#



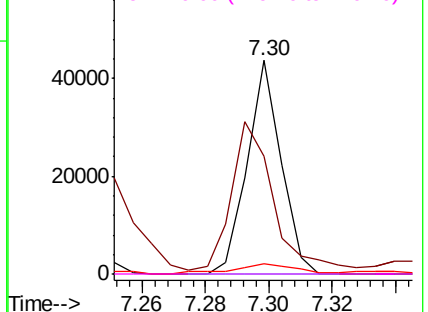
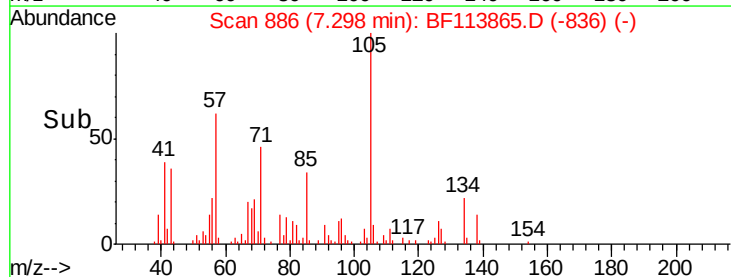
Abundance

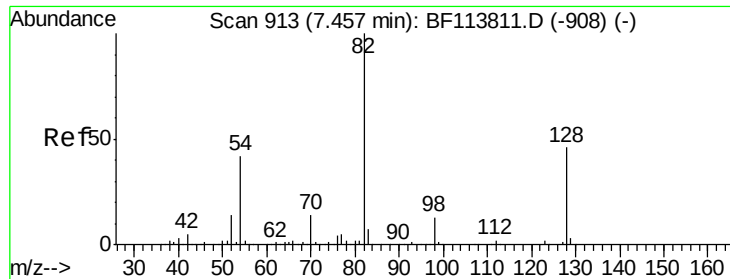
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

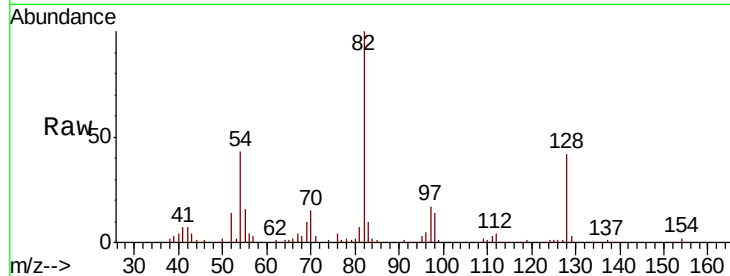




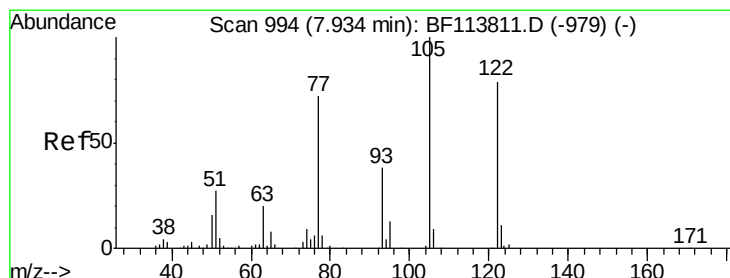
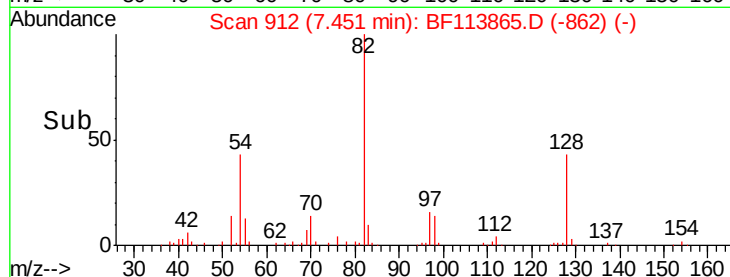
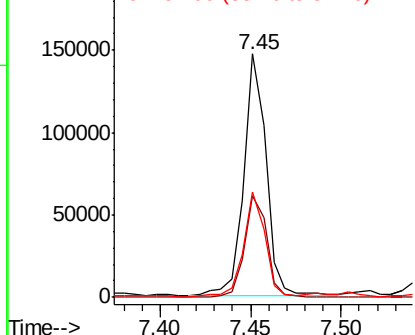
#23
Nitrobenzene-d5
Concen: 14.681 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

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BNA_F
ClientSampleId :
HR-05-041719-C

Tgt Ion: 82 Resp: 125753
Ion Ratio Lower Upper
82 100
128 41.9 36.8 55.2
54 43.4 33.8 50.6

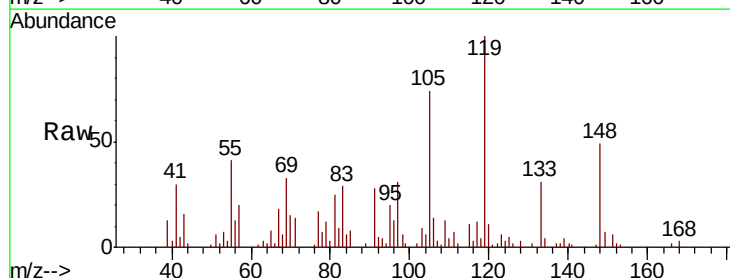


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

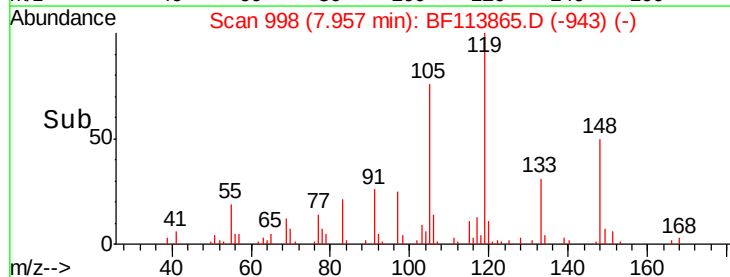
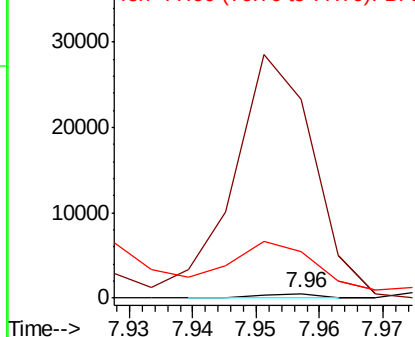


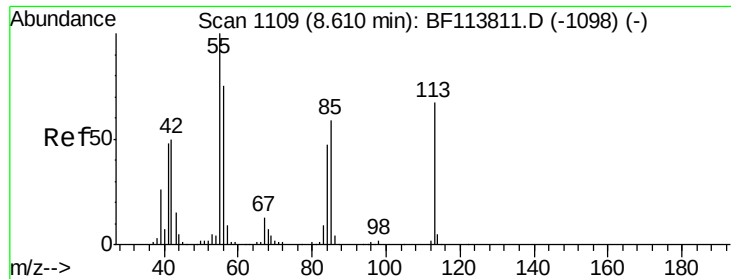
#32
Benzoic acid
Concen: 5.980 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.02 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

Tgt Ion: 122 Resp: 294
Ion Ratio Lower Upper
122 100
105 4526.6 104.3 144.3#
77 1045.2 70.4 110.4#



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

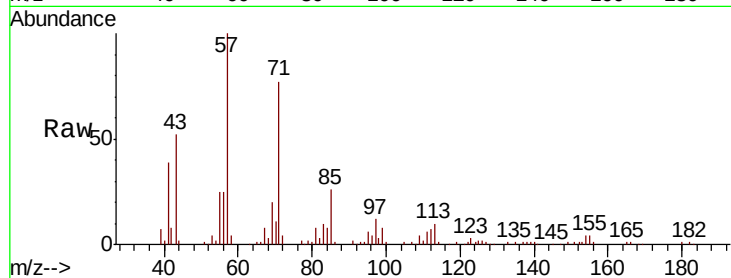




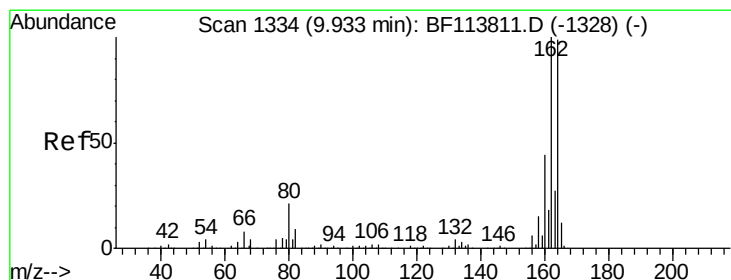
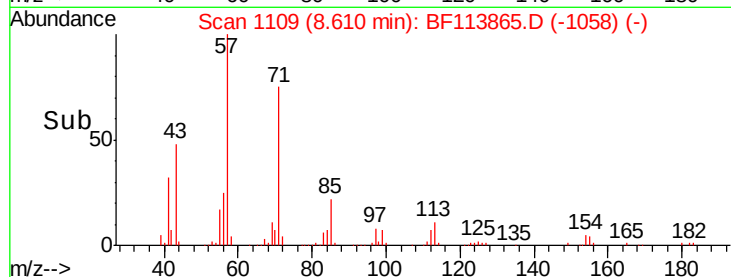
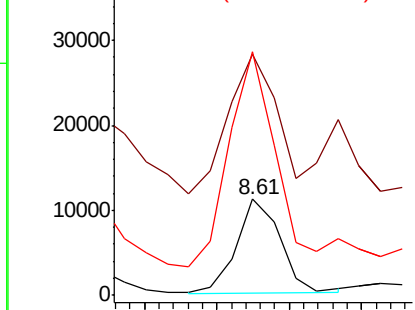
#35
 Caprolactam
 Concen: 3.715 ng
 RT: 8.61 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: BF113865.D
 Acq: 19 Apr 2019 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-C

Tgt Ion:113 Resp: 9330
 Ion Ratio Lower Upper
 113 100
 55 250.2 128.6 168.6#
 56 253.0 91.9 131.9#

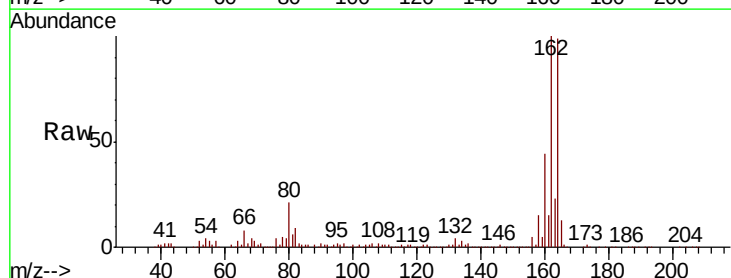


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

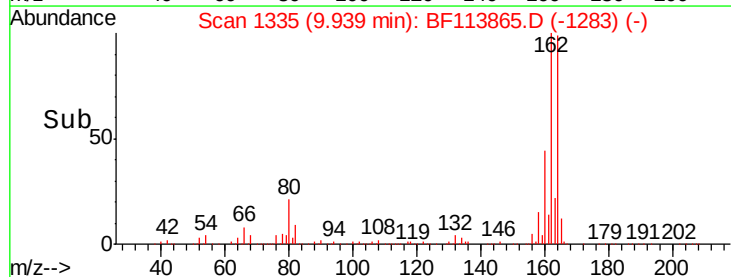
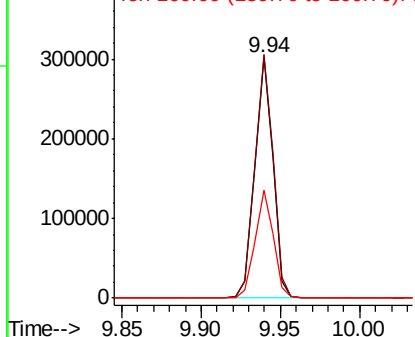


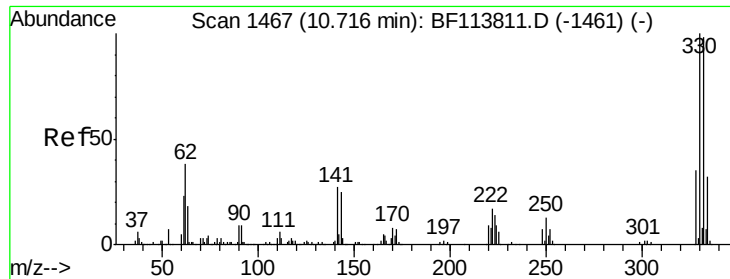
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113865.D
 Acq: 19 Apr 2019 18:13

Tgt Ion:164 Resp: 239041
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.1 121.7
 160 45.0 35.8 53.6



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

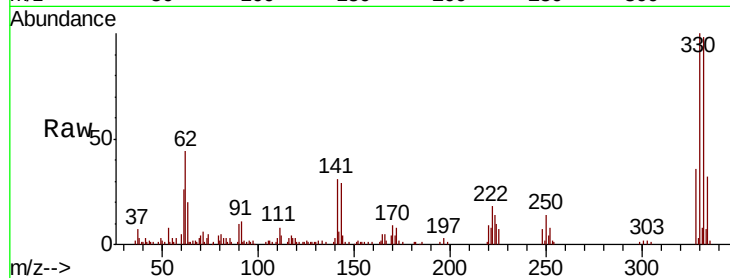




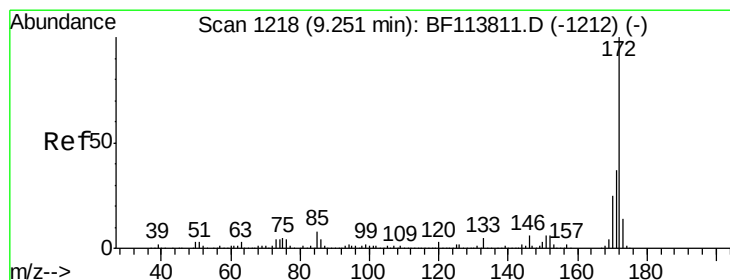
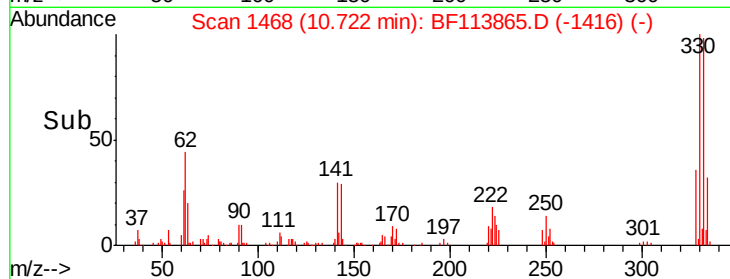
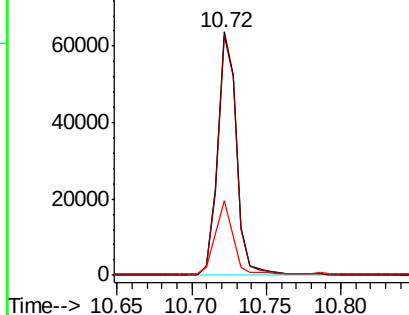
#42
 2,4,6-Tribromophenol
 Concen: 21.686 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.01 min
 Lab File: BF113865.D
 Acq: 19 Apr 2019 18:13

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-C

Tgt Ion:330 Resp: 57271
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.5 116.3
 141 27.8 22.2 33.2

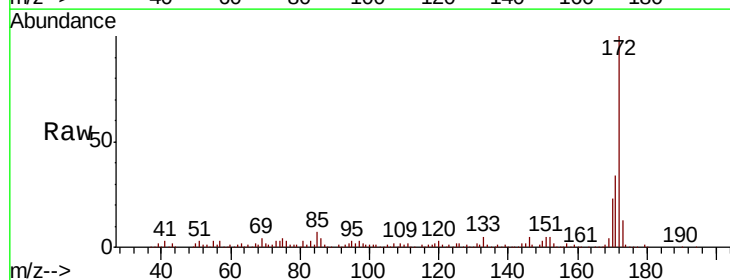


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

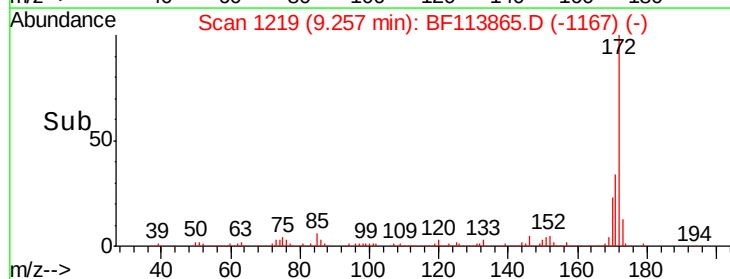
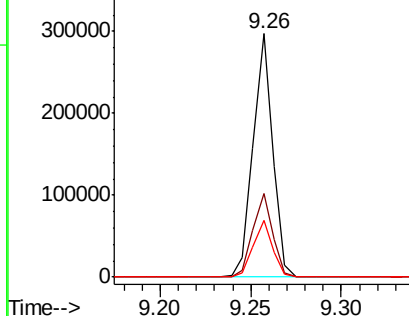


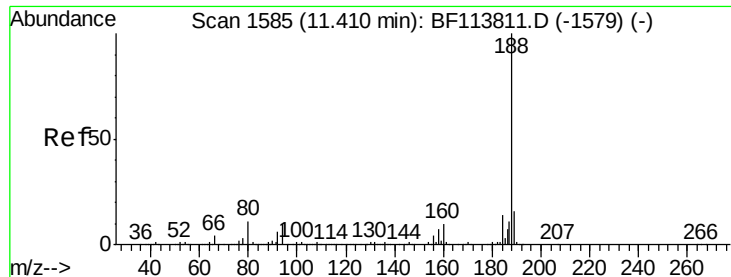
#45
 2-Fluorobiphenyl
 Concen: 14.203 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: BF113865.D
 Acq: 19 Apr 2019 18:13

Tgt Ion:172 Resp: 222628
 Ion Ratio Lower Upper
 172 100
 171 34.5 29.4 44.0
 170 23.4 19.9 29.9



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.43 min Scan# 1588

Delta R.T. 0.02 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-C

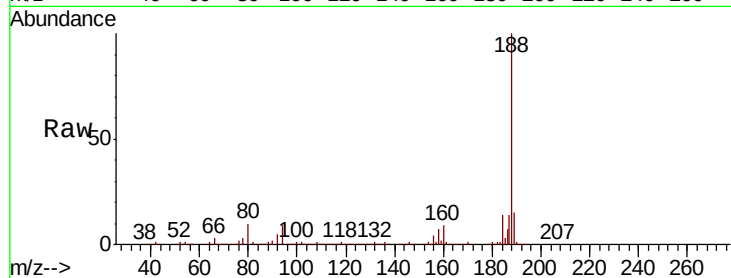
Tgt Ion:188 Resp: 507905

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.4

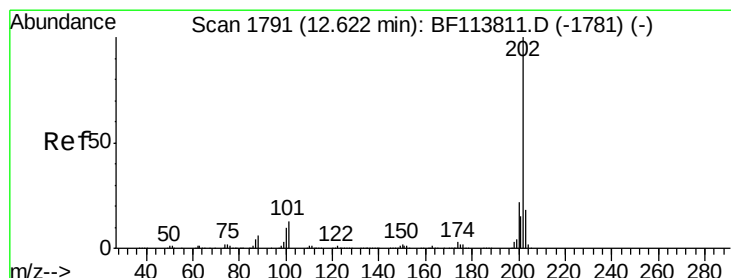
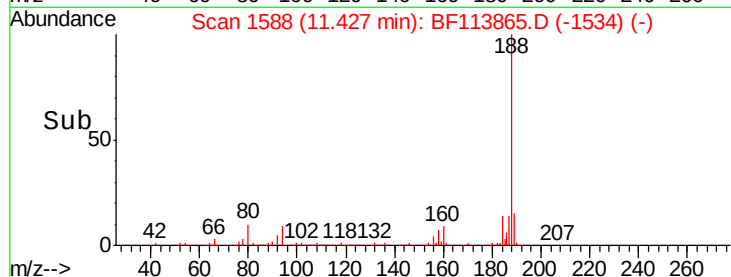
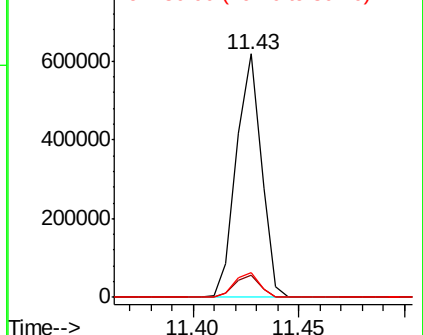
80 9.9 9.0 13.6



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



#75

Fluoranthene

Concen: 3.587 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.07 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

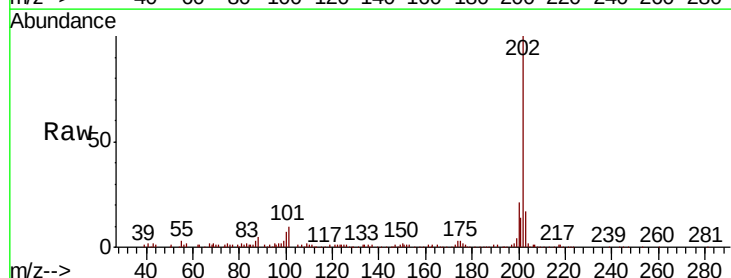
Tgt Ion:202 Resp: 98349

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.9

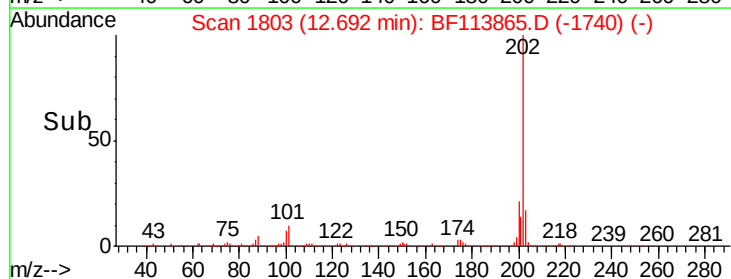
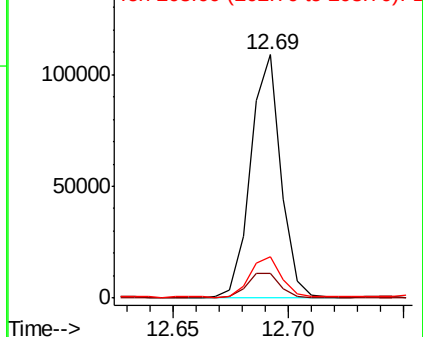
203 17.3 0.0 38.2

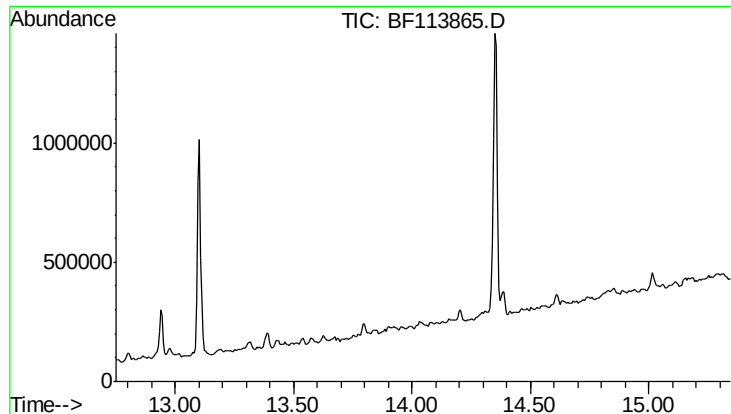


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 0.000 ng

Expected RT: 14.04 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-C

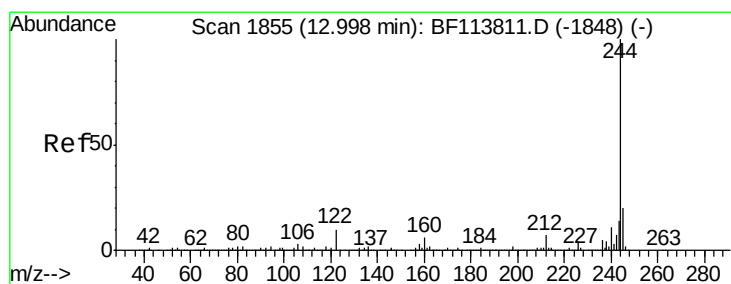
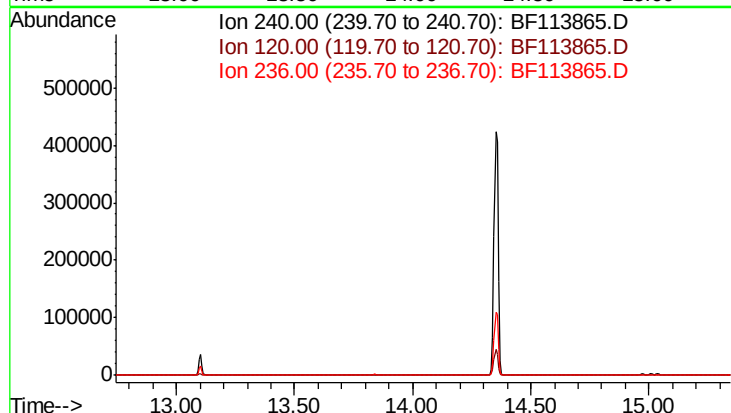
Tgt Ion: 240

Sig Exp Ratio

240 100

120 11.6

236 26.5



#79

Terphenyl-d14

Concen: 0.000 ng

RT: 13.10 min Scan# 1873

Delta R.T. 0.11 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

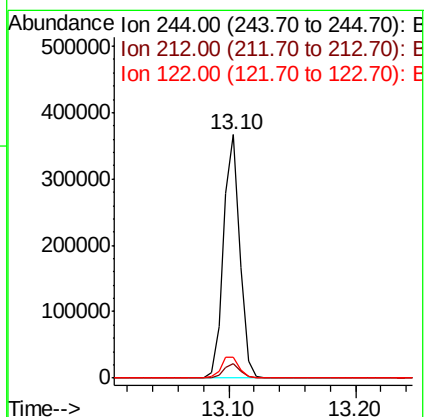
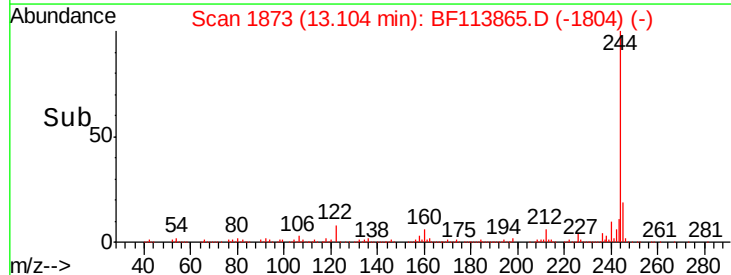
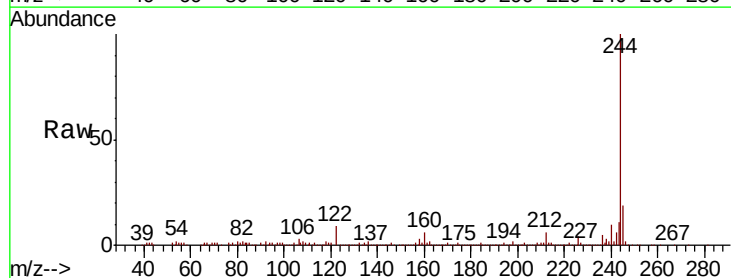
Tgt Ion:244 Resp: 328034

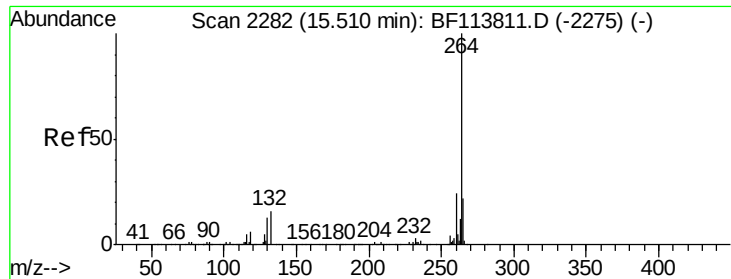
Ion Ratio Lower Upper

244 100

212 5.8 5.4 8.2

122 8.6 7.6 11.4



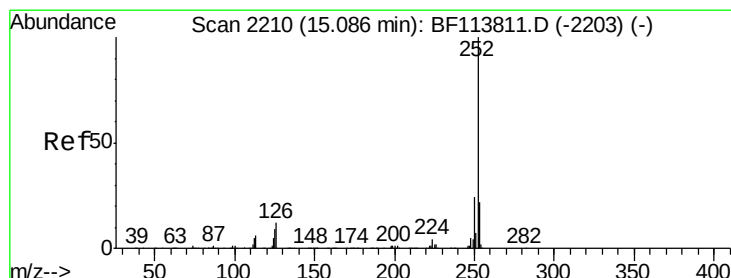
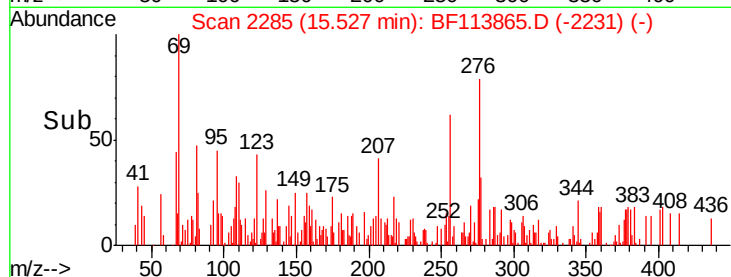
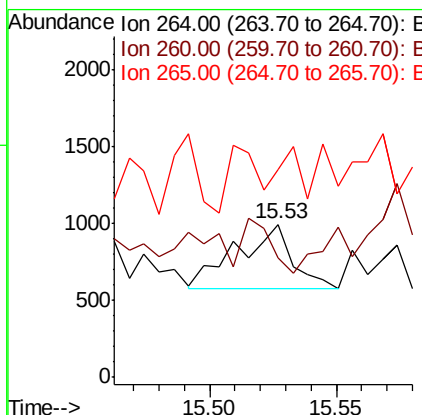
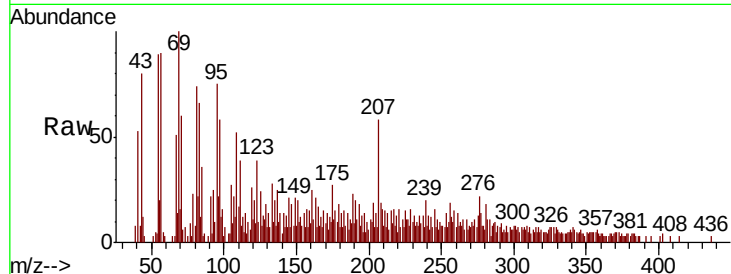


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.02 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-C

Tgt Ion: 264 Resp: 635

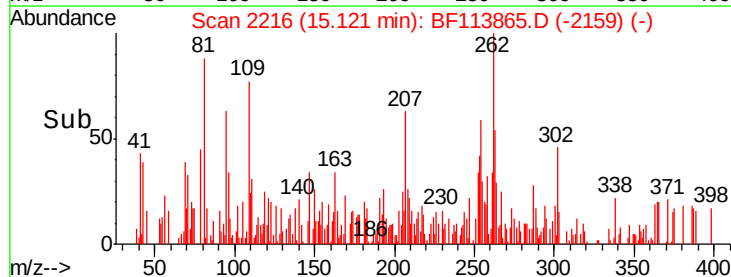
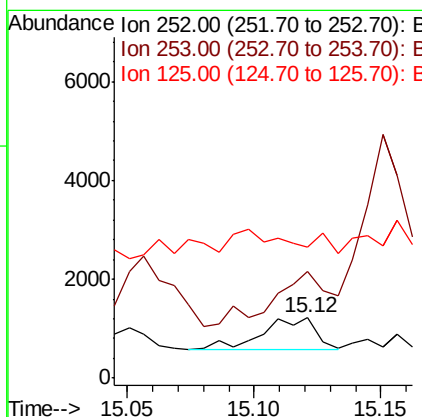
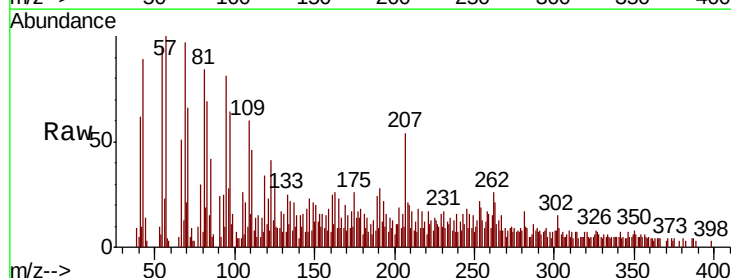
Ion	Ratio	Lower	Upper
264	100		
260	78.0	18.9	28.3#
265	135.8	17.3	25.9#

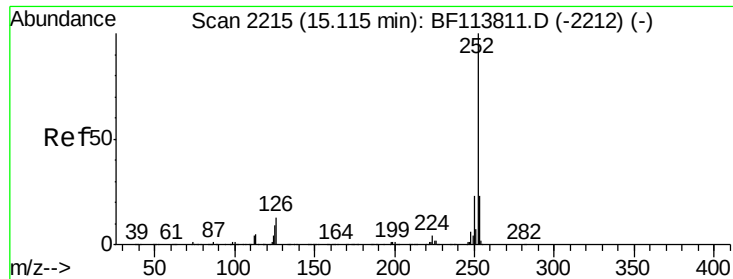


#88
Benzo(b)fluoranthene
Concen: 25.211 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF113865.D
Acq: 19 Apr 2019 18:13

Tgt Ion: 252 Resp: 998

Ion	Ratio	Lower	Upper
252	100		
253	176.2	17.8	26.6#
125	218.5	7.0	10.6#





#89

Benzo(k)fluoranthene

Concen: 27.680 ng

RT: 15.12 min Scan# 2216

Delta R.T. 0.01 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-C

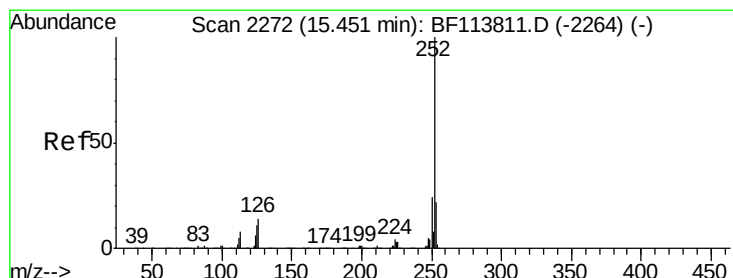
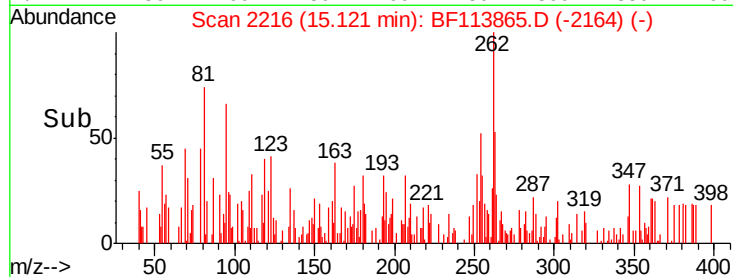
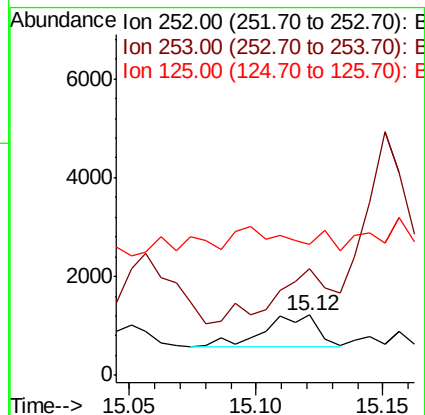
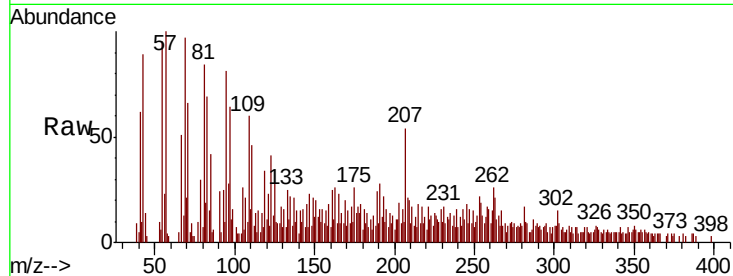
Tgt Ion:252 Resp: 998

Ion Ratio Lower Upper

252 100

253 176.2 18.2 27.2#

125 218.5 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 1768.266 ng

RT: 15.67 min Scan# 2309

Delta R.T. 0.22 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

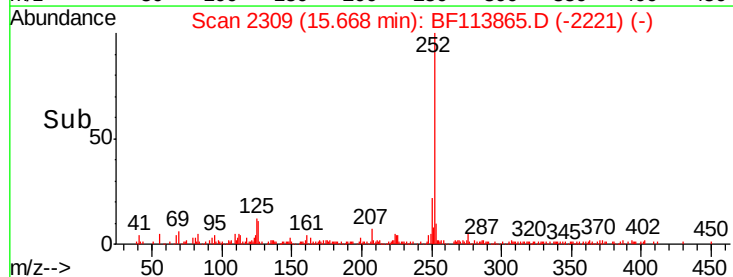
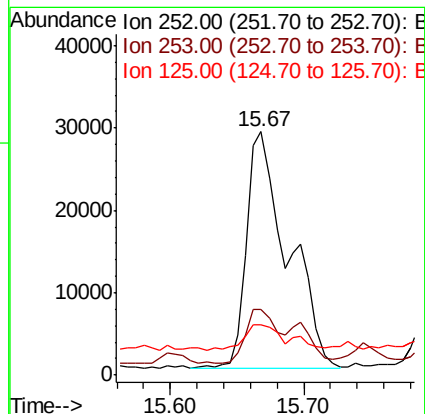
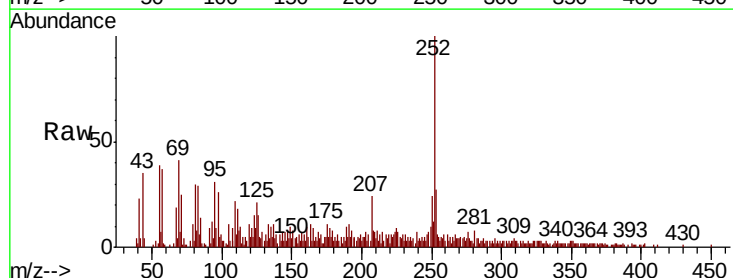
Tgt Ion:252 Resp: 61895

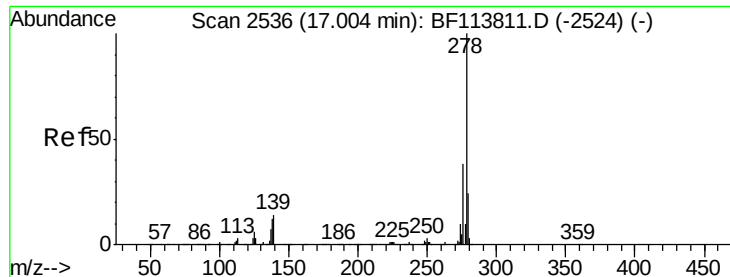
Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

125 20.9 8.5 12.7#





#91

Dibenzo(a,h)anthracene

Concen: 10.564 ng

RT: 17.03 min Scan# 2540

Delta R.T. 0.02 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

Instrument :

BNA_F

ClientSampleId :

HR-05-041719-C

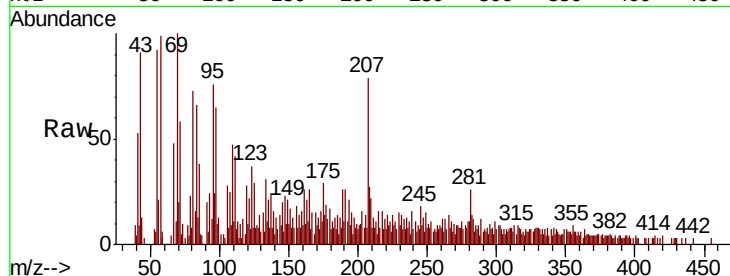
Tgt Ion:278 Resp: 329

Ion Ratio Lower Upper

278 100

139 198.4 11.6 17.4#

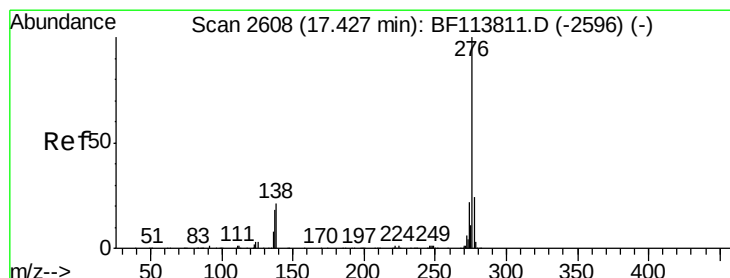
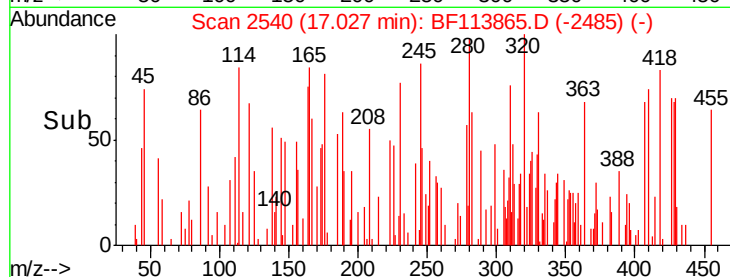
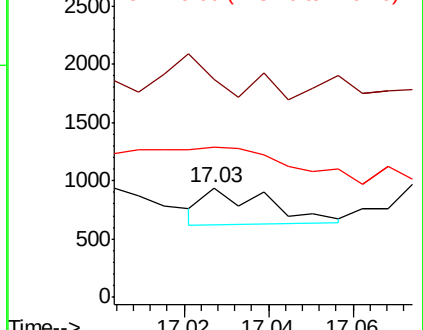
279 136.6 19.0 28.6#



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



#92

Benzo(g,h,i)perylene

Concen: 118.555 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.09 min

Lab File: BF113865.D

Acq: 19 Apr 2019 18:13

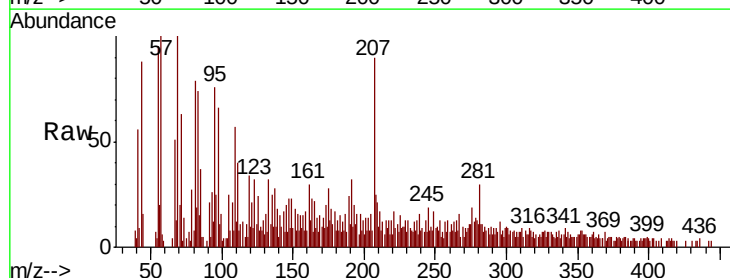
Tgt Ion:276 Resp: 3753

Ion Ratio Lower Upper

276 100

277 64.3 19.0 28.4#

138 50.8 16.6 25.0#



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

