

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118836.D
 Acq On : 6 Feb 2020 14:50
 Operator : CG/JU
 Sample : L1408-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 17:13:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	231362	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	867044	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	512895	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	990545	20.00	ng	0.00
76) Chrysene-d12	13.97	240	712808	20.00	ng	-0.01
87) Perylene-d12	15.42	264	748979	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1263671	103.39	ng	0.00
7) Phenol-d6	6.45	99	1544755	101.81	ng	0.00
23) Nitrobenzene-d5	7.37	82	1020886	70.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	635277	103.52	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2115954	73.75	ng	-0.01
79) Terphenyl-d14	12.92	244	2691092	77.55	ng	-0.01

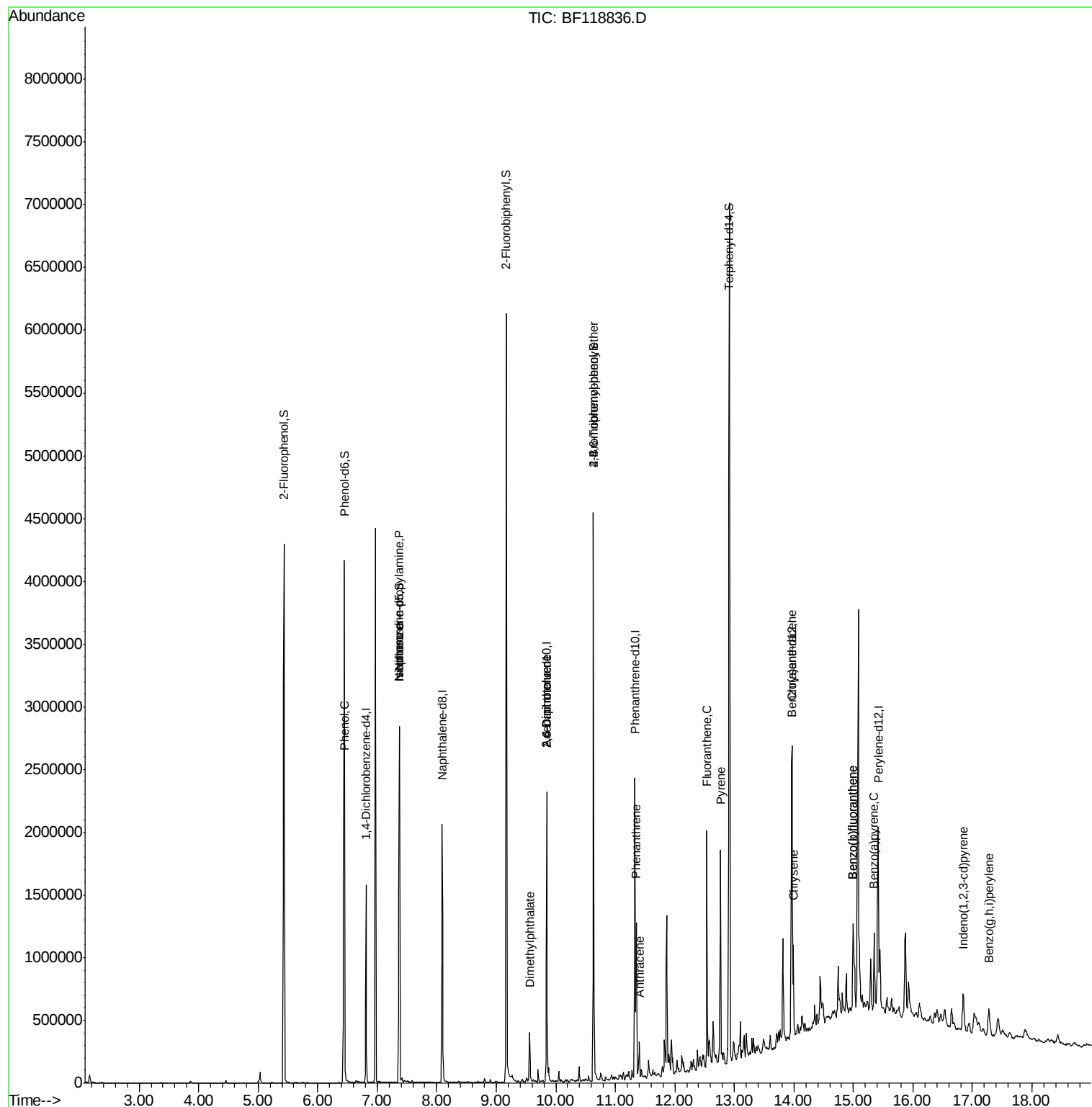
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	488	Below Cal		89
10) Phenol	6.46	94	41940	2.486	ng	94
19) n-Nitroso-di-n-propylamine	7.37	70	137538	14.816	ng	# 77
25) Isophorone	7.37	82	1020869	39.049	ng	# 63
50) Dimethylphthalate	9.56	163	180718	5.175	ng	98
51) 2,6-Dinitrotoluene	9.85	165	66938	8.377	ng	# 31
57) 2,4-Dinitrotoluene	9.85	165	67391	6.373	ng	# 34
67) 4-Bromophenyl-phenylether	10.63	248	40881	3.489	ng	# 1
71) Phenanthrene	11.35	178	446135	9.154	ng	97
72) Anthracene	11.40	178	108409	2.236	ng	97
75) Fluoranthene	12.54	202	725351	13.632	ng	99
78) Pylene	12.77	202	681072	13.928	ng	97
81) Benzo(a)anthracene	13.96	228	325193	7.667	ng	94
83) Chrysene	13.99	228	324347	7.619	ng	96
86) Indeno(1,2,3-cd)pyrene	16.84	276	204504	4.781	ng	94
88) Benzo(b)fluoranthene	14.99	252	532659	11.461	ng	99
89) Benzo(k)fluoranthene	14.99	252	532659	13.161	ng	# 98
90) Benzo(a)pyrene	15.35	252	295905	7.440	ng	98
92) Benzo(a,h,i)perylene	17.27	276	187724	5.528	ng	97

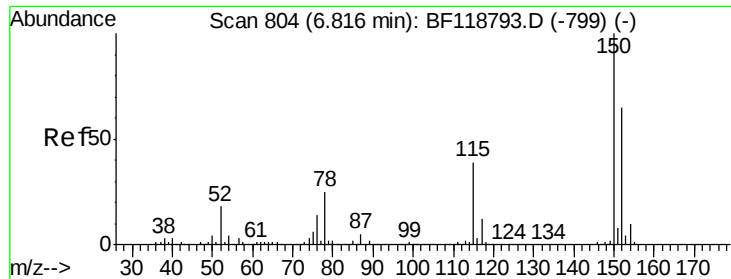
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
Data File : BF118836.D
Acq On : 6 Feb 2020 14:50
Operator : CG/JU
Sample : L1408-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 06 17:13:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



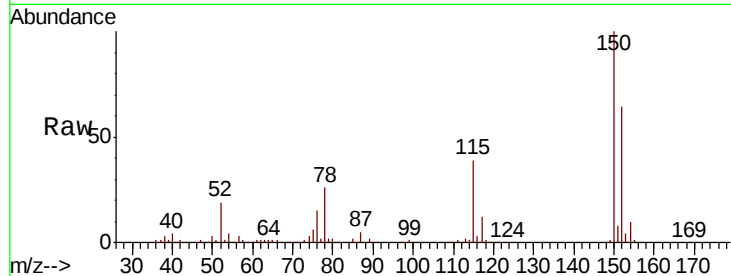


#1

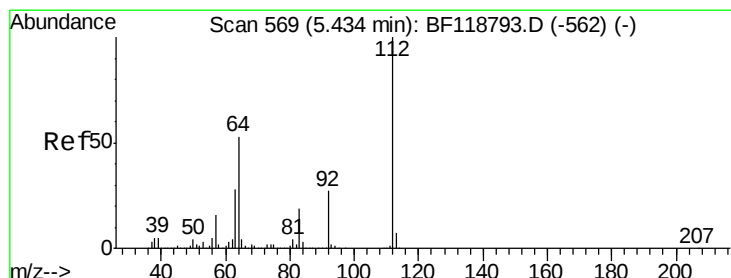
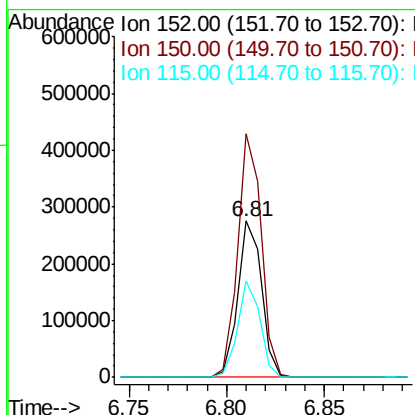
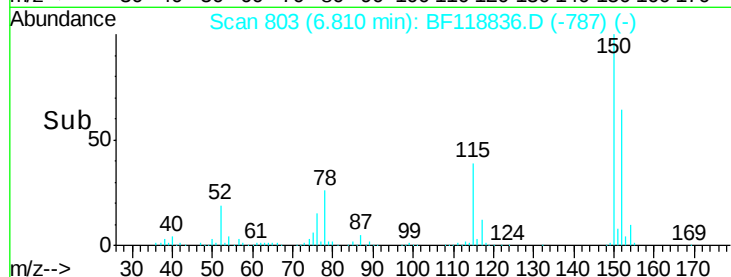
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	123.6	185.4
115	61.4	48.2	72.2



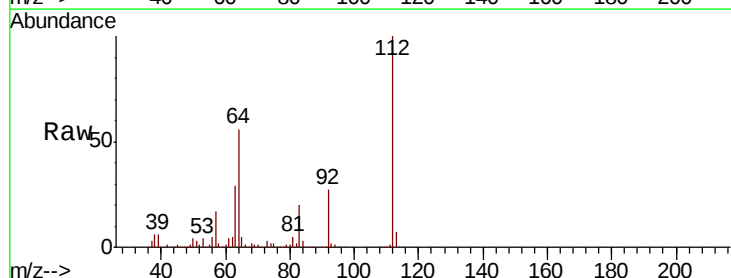
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



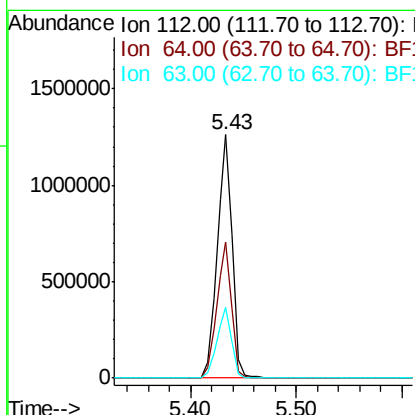
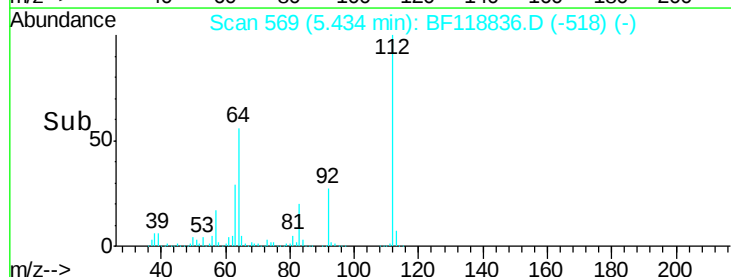
#5

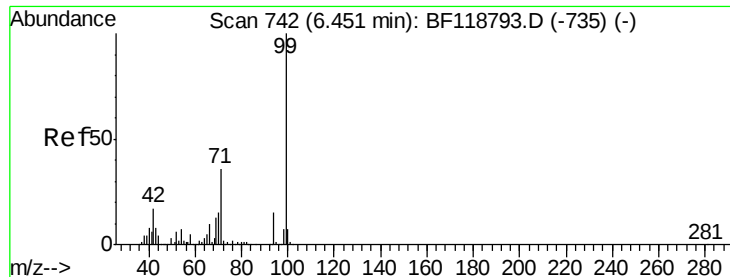
2-Fluorophenol
Concen: 103.389 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	42.6	63.8
63	29.1	22.2	33.4



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: 101.814 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

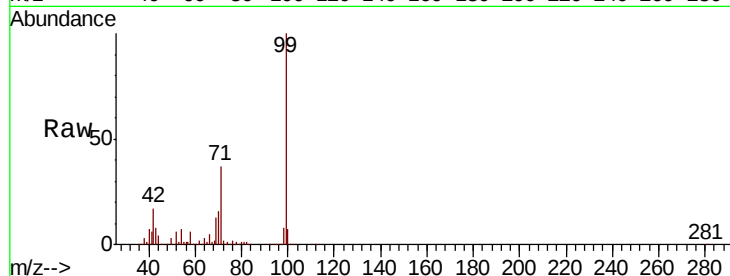
Tot Ion: 99 Resp: 1544755

Ion Ratio Lower Upper

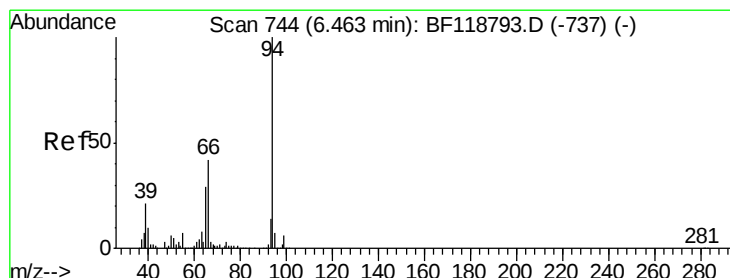
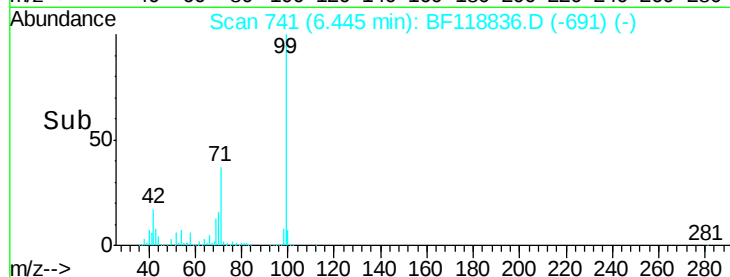
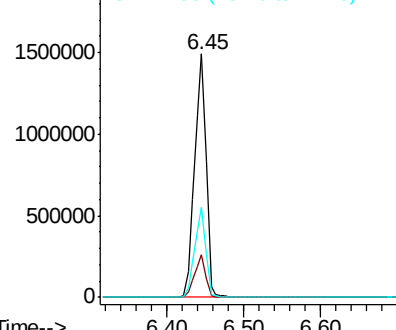
99 100

42 17.3 13.4 20.0

71 37.2 29.0 43.6



Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000 Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.486 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

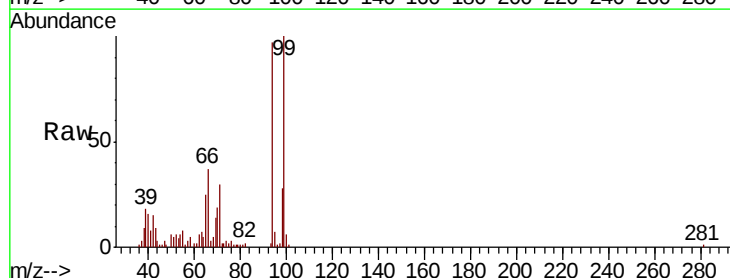
Tgt Ion: 94 Resp: 41940

Ion Ratio Lower Upper

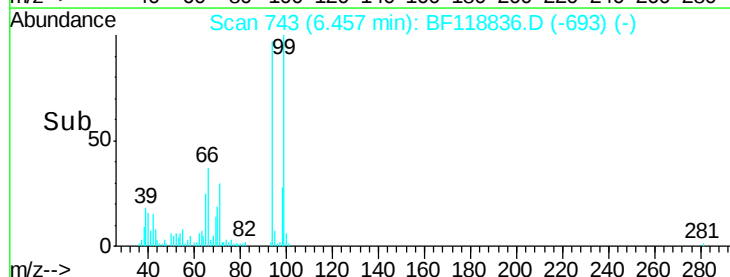
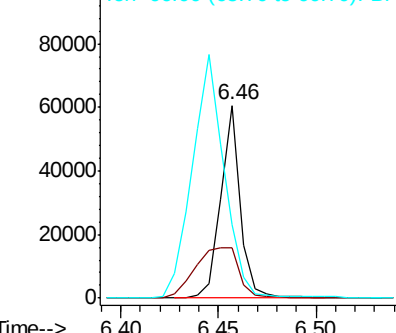
94 100

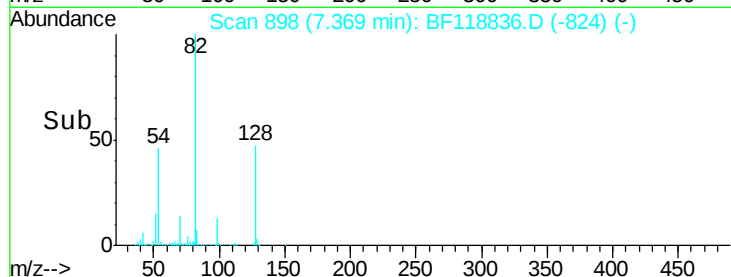
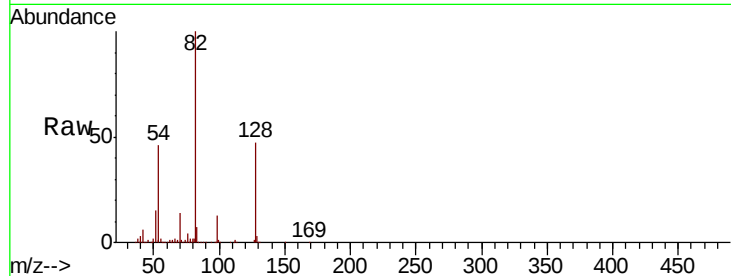
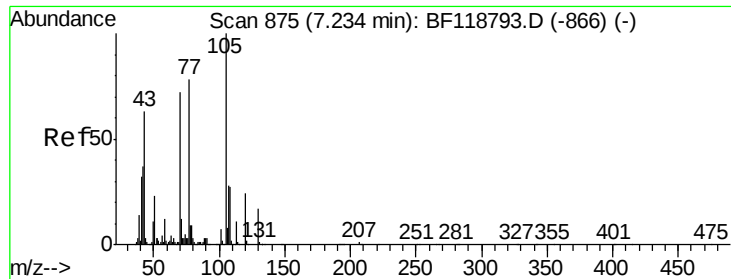
65 26.0 9.1 49.1

66 37.9 21.7 61.7



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

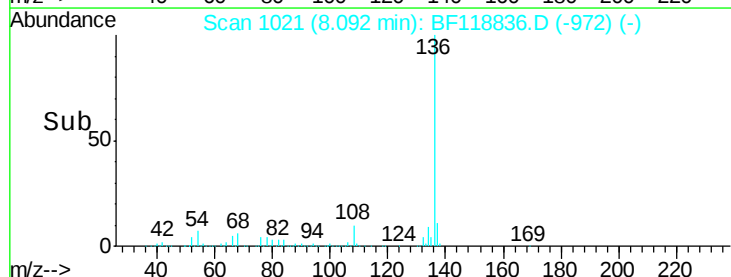
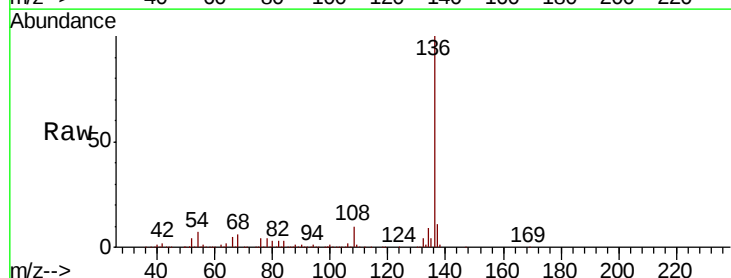
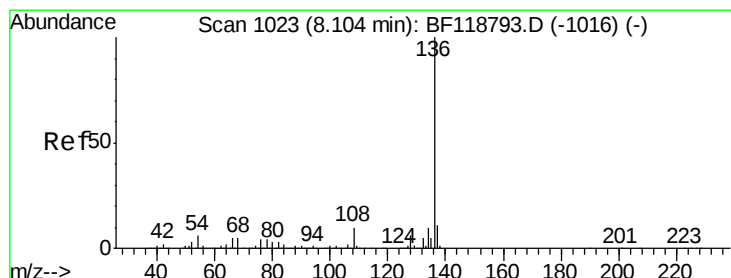
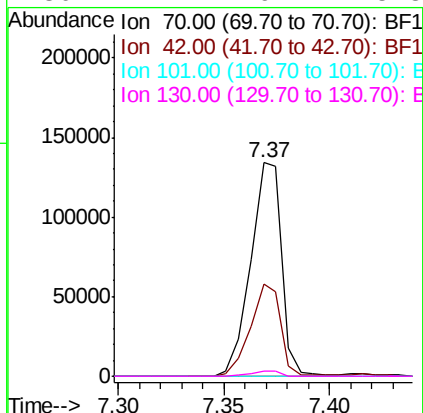




#19
n-Nitroso-di-n-propylamine
Concen: 14.816 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

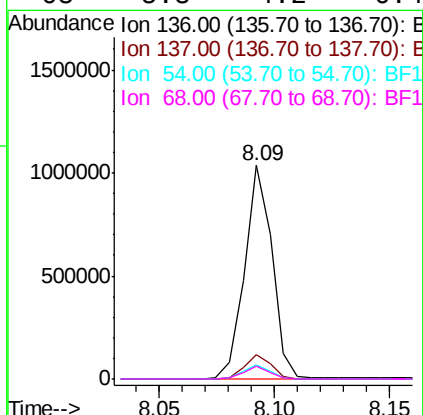
Instrument :
BNA_F
ClientSampleId :

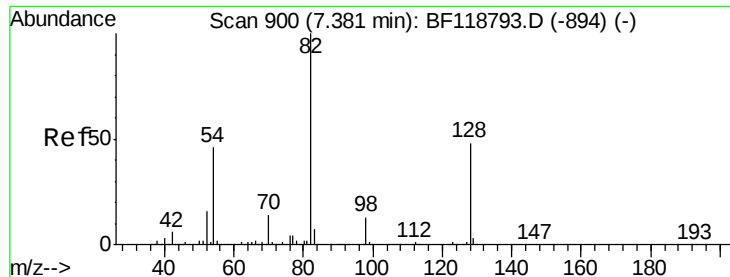
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.3	41.5	62.3
101	0.0	8.3	12.5#
130	2.4	19.2	28.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	6.7	5.0	7.6
68	5.8	4.2	6.4

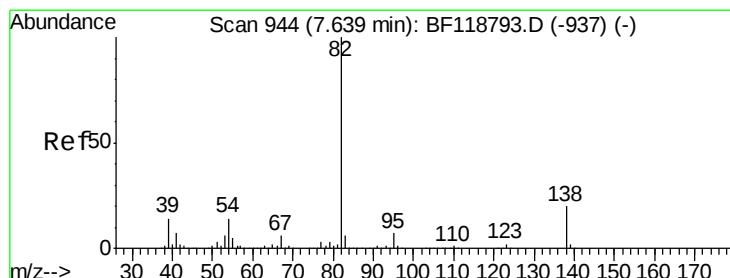
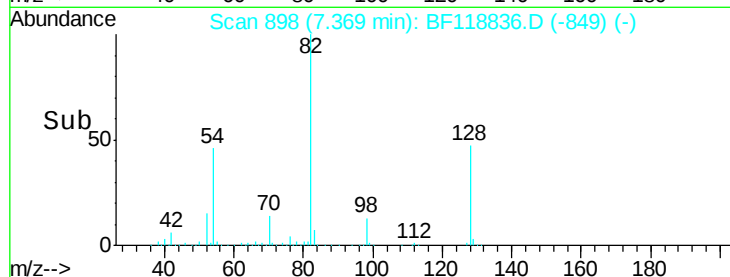
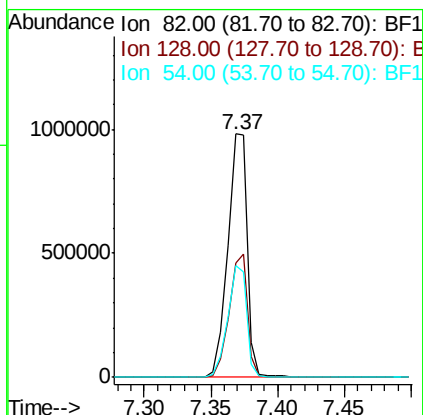
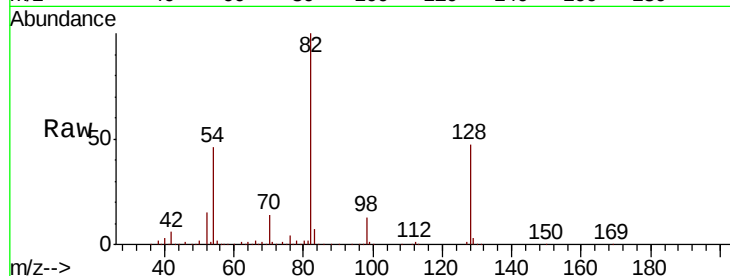




#23
 Nitrobenzene-d5
 Concen: 70.181 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF118836.D
 Acq: 6 Feb 2020 14:50

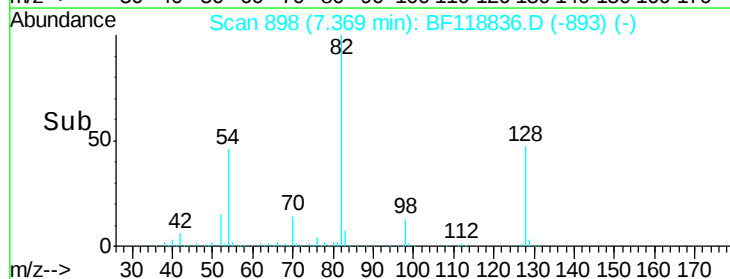
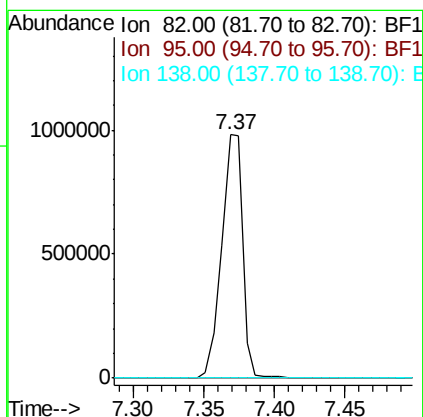
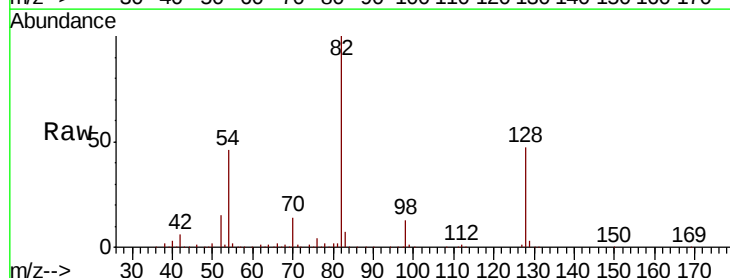
Instrument :
 BNA_F
 ClientSampleId :

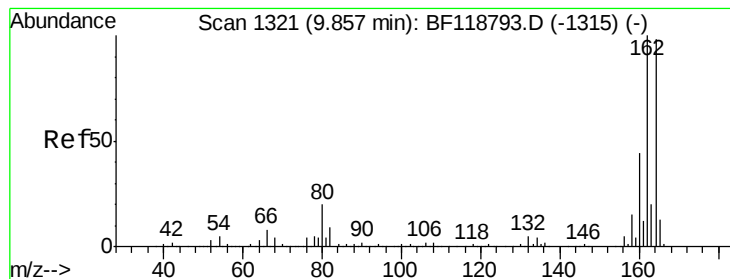
Tot Ion: 82 Resp: 1020886
 Ion Ratio Lower Upper
 82 100
 128 47.1 38.5 57.7
 54 45.9 36.7 55.1



#25
 Isophorone
 Concen: 39.049 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.27 min
 Lab File: BF118836.D
 Acq: 6 Feb 2020 14:50

Tgt Ion: 82 Resp: 1020869
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.0 9.0#
 138 0.0 15.7 23.5#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

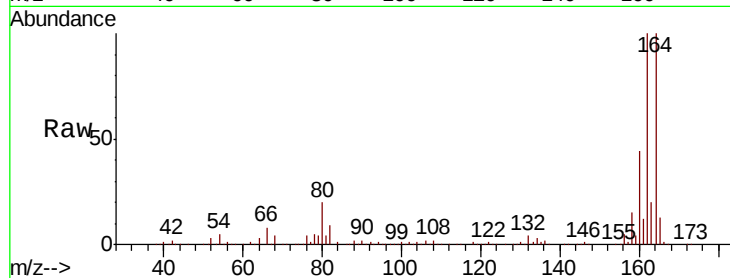
Tot Ion:164 Resp: 512895

Ion Ratio Lower Upper

164 100

162 100.1 81.4 122.2

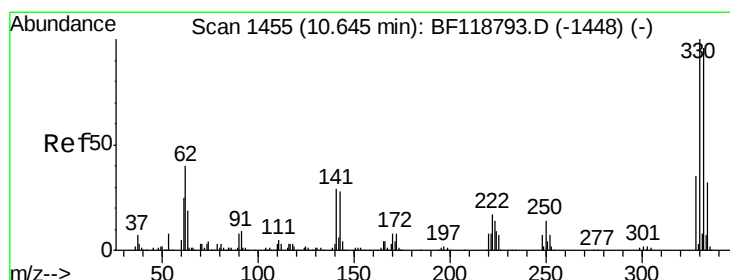
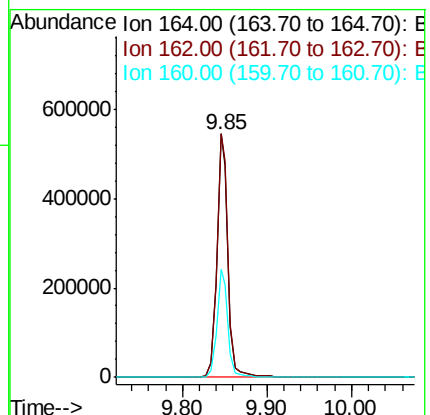
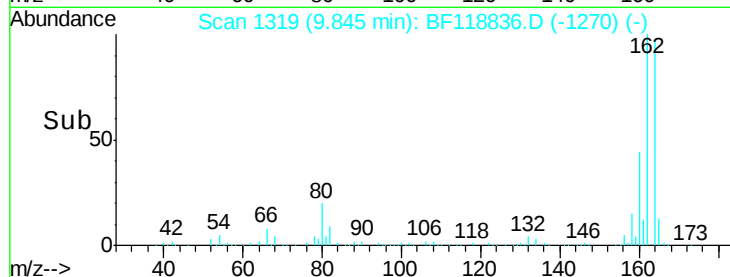
160 44.3 35.6 53.4



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: 103.517 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

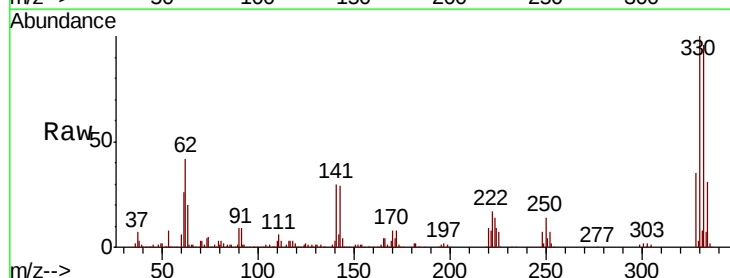
Tgt Ion:330 Resp: 635277

Ion Ratio Lower Upper

330 100

332 96.0 77.3 115.9

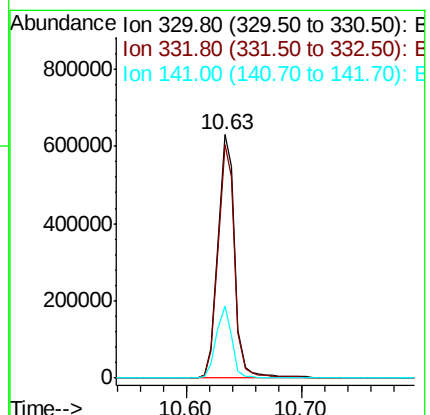
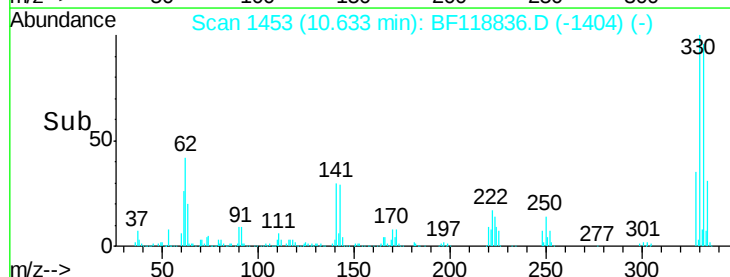
141 28.3 22.4 33.6

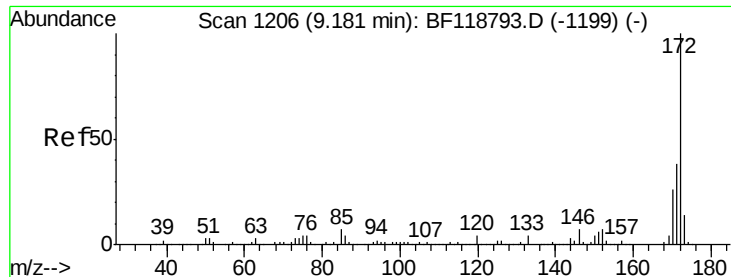


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

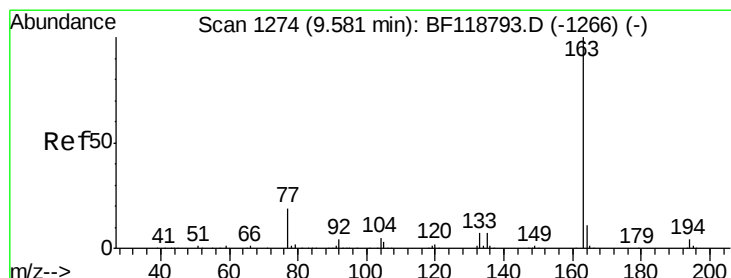
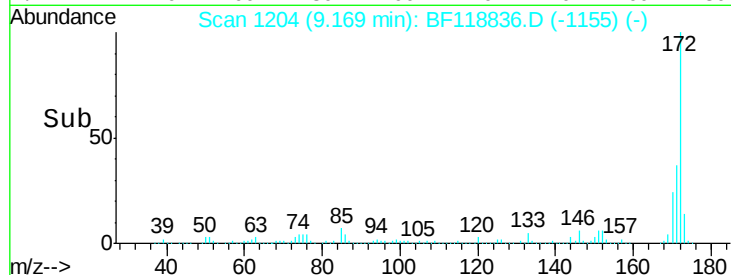
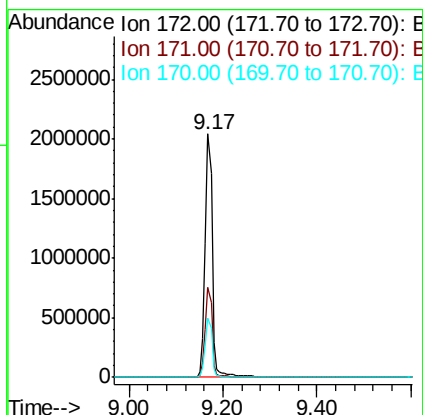
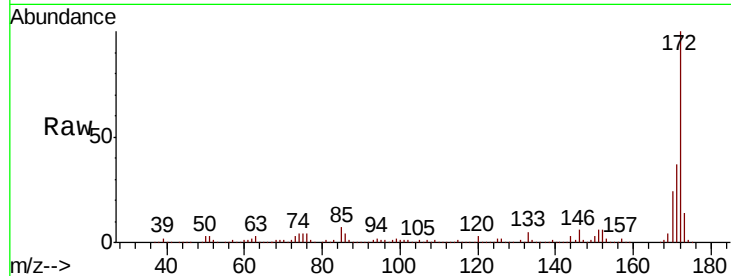




#45
2-Fluorobiphenyl
Concen: 73.752 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

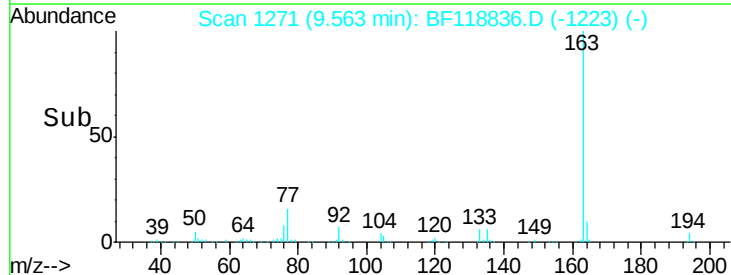
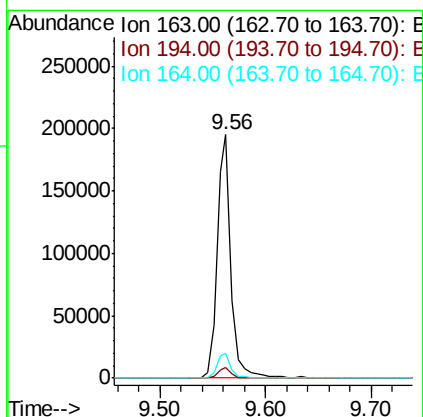
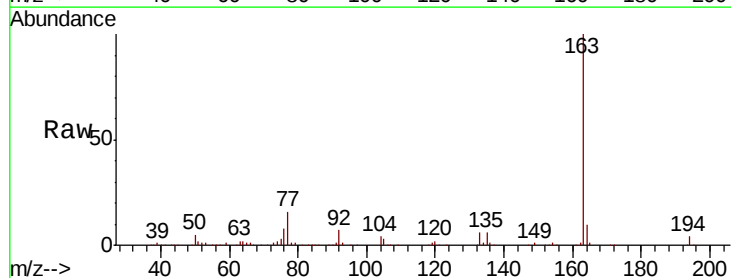
Instrument :
BNA_F
ClientSampled :

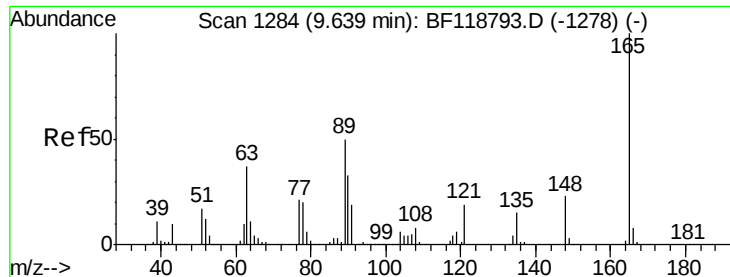
Tot Ion:172 Resp: 2115954
Ion Ratio Lower Upper
172 100
171 37.2 30.8 46.2
170 24.3 20.5 30.7



#50
Dimethylphthalate
Concen: 5.175 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion:163 Resp: 180718
Ion Ratio Lower Upper
163 100
194 4.2 3.6 5.4
164 10.1 8.7 13.1

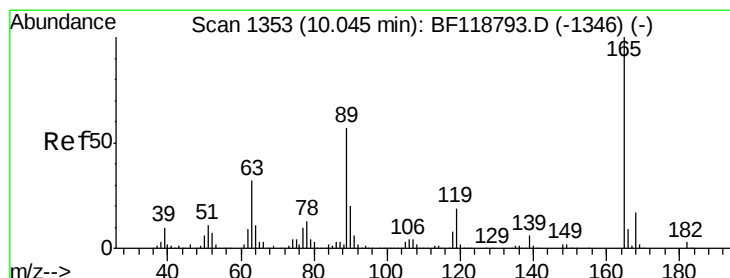
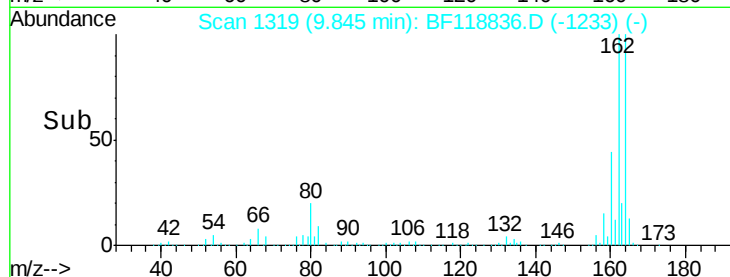
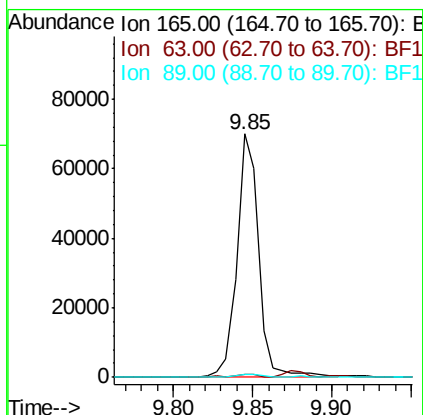
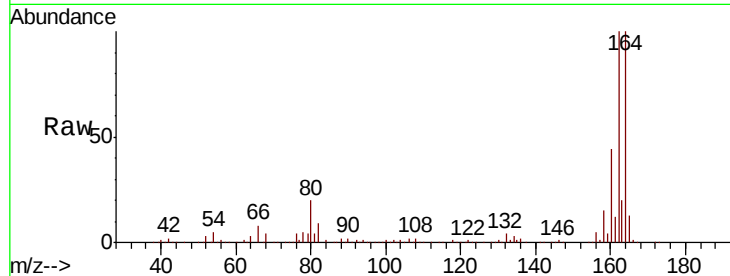




#51
 2,6-Dinitrotoluene
 Concen: 8.377 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118836.D
 Acq: 6 Feb 2020 14:50

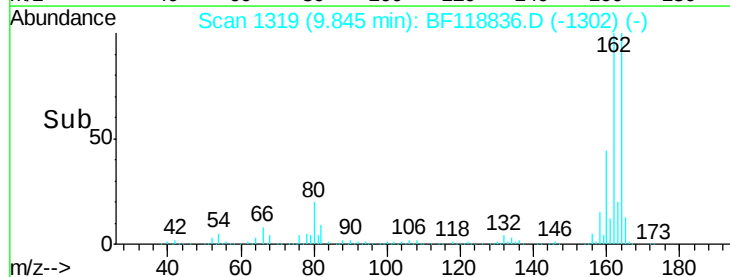
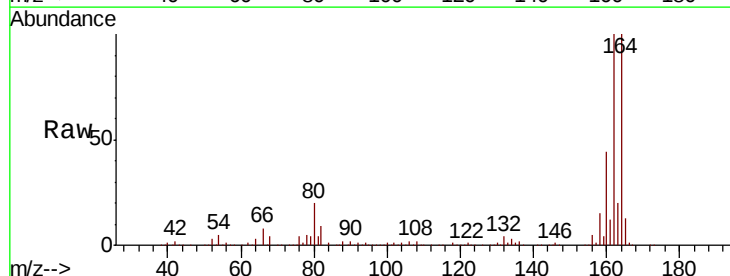
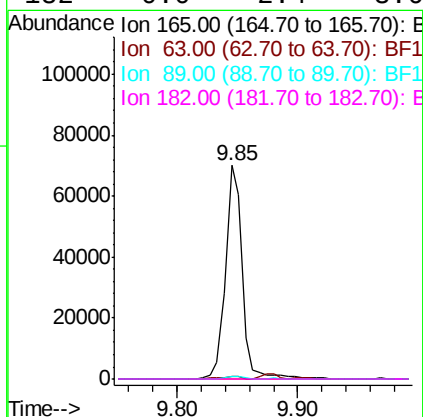
Instrument :
 BNA_F
 ClientSampleId :

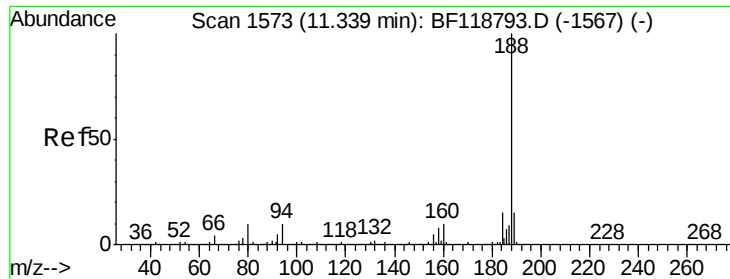
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	37.4	56.0#
89	1.3	39.7	59.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.373 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118836.D
 Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.5	38.3#
89	1.3	45.4	68.0#
182	0.0	2.4	3.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

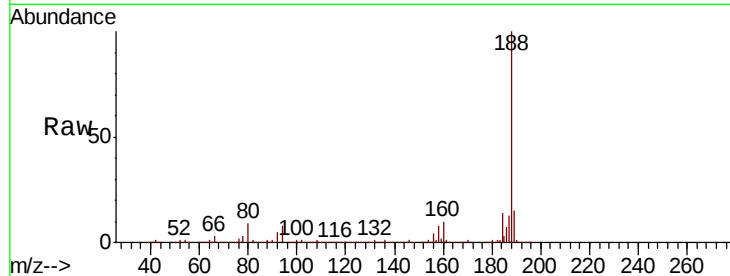
Tot Ion:188 Resp: 990545

Ion Ratio Lower Upper

188 100

94 8.3 7.9 11.9

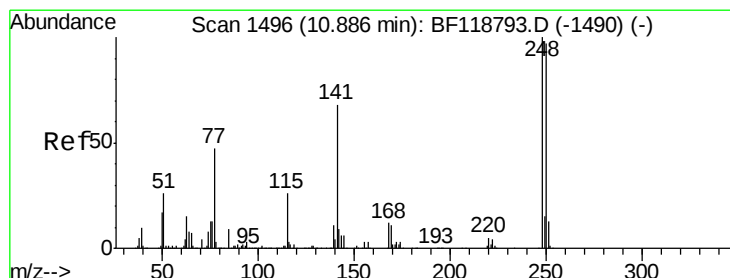
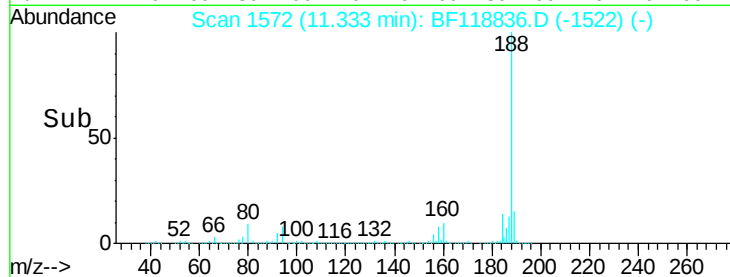
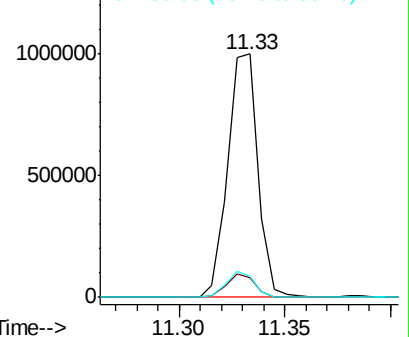
80 8.8 8.4 12.6



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



#67

4-Bromophenyl-phenylether

Concen: 3.489 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

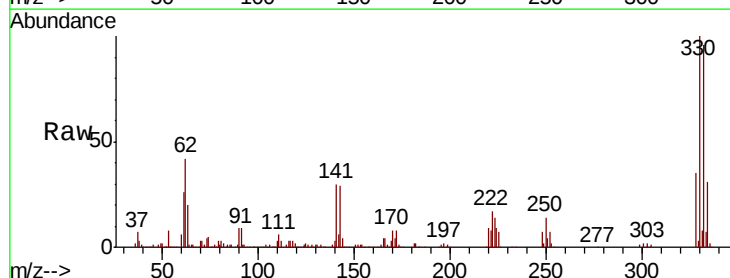
Tgt Ion:248 Resp: 40881

Ion Ratio Lower Upper

248 100

250 203.5 77.6 116.4#

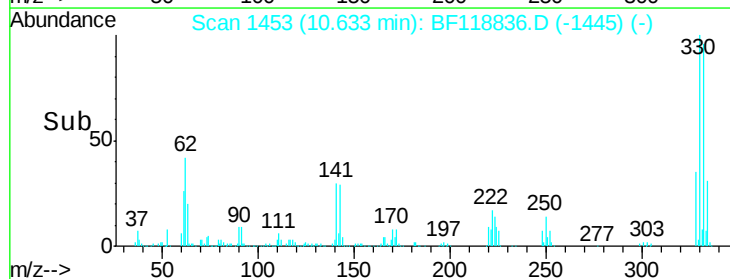
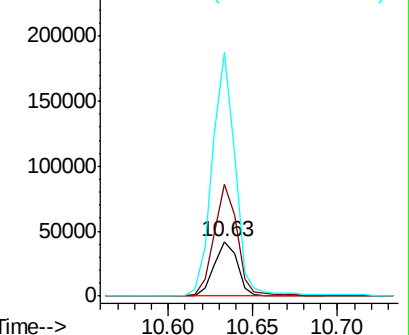
141 445.0 54.4 81.6#

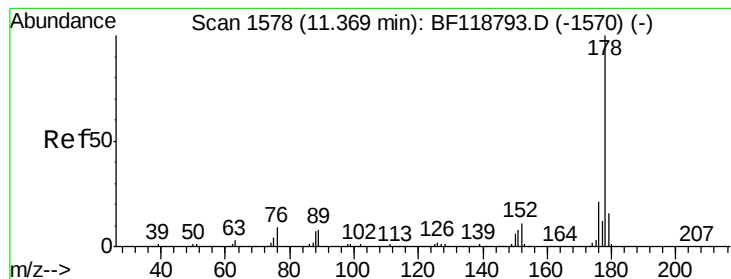


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 9.154 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

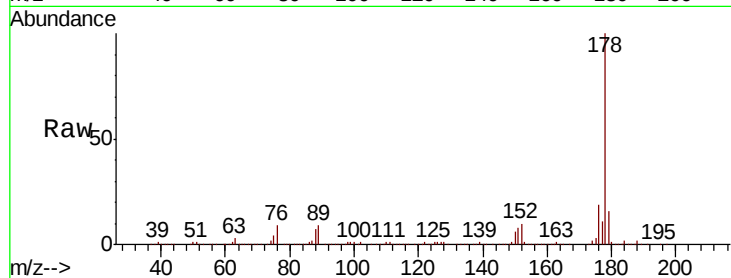
Tot Ion:178 Resp: 446135

Ion Ratio Lower Upper

178 100

176 18.9 16.6 24.8

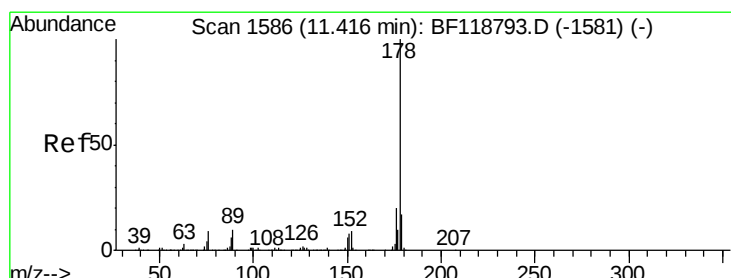
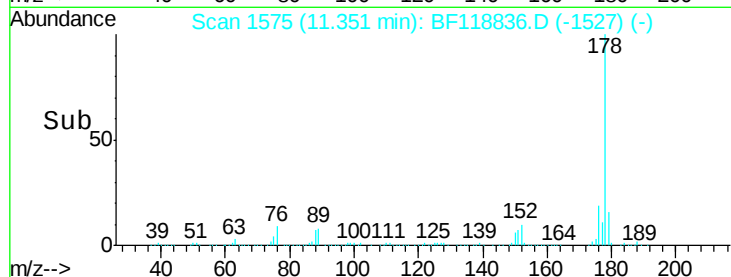
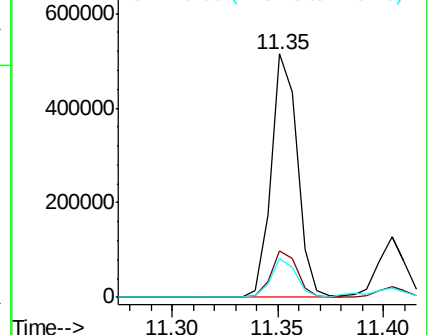
179 15.7 13.2 19.8



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



#72

Anthracene

Concen: 2.236 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

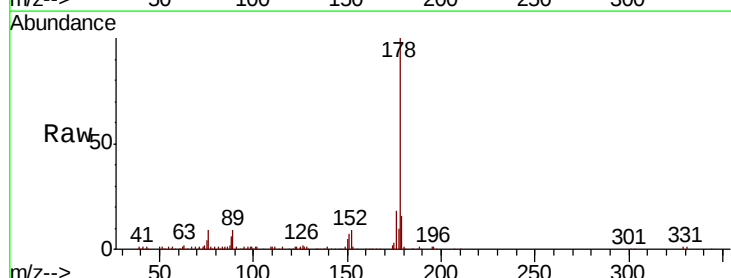
Tgt Ion:178 Resp: 108409

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.2

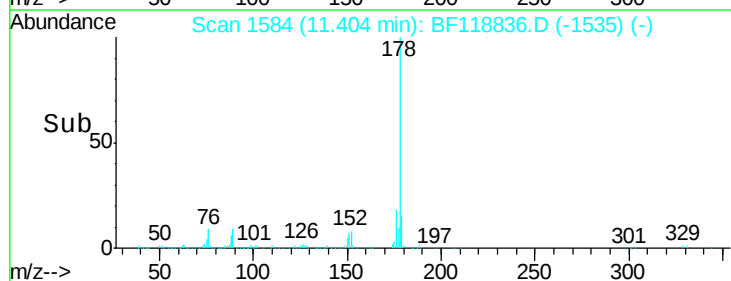
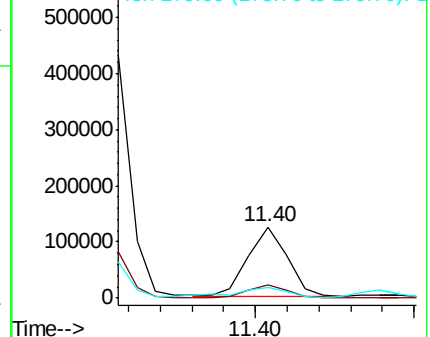
179 15.6 13.4 20.2

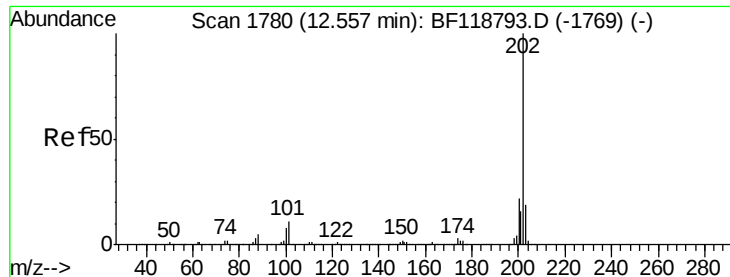


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 13.632 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

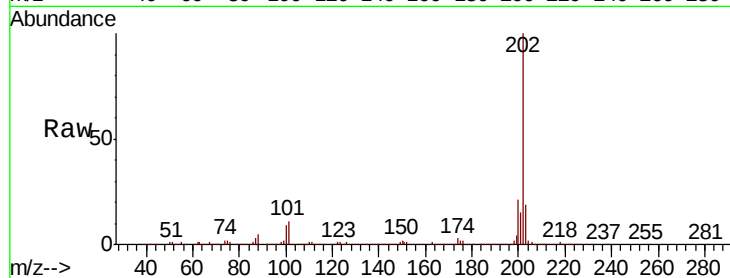
Tot Ion:202 Resp: 725351

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.0

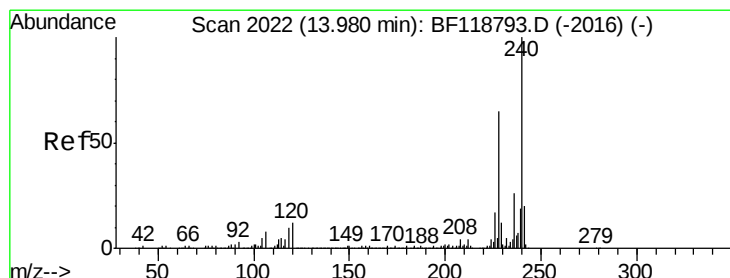
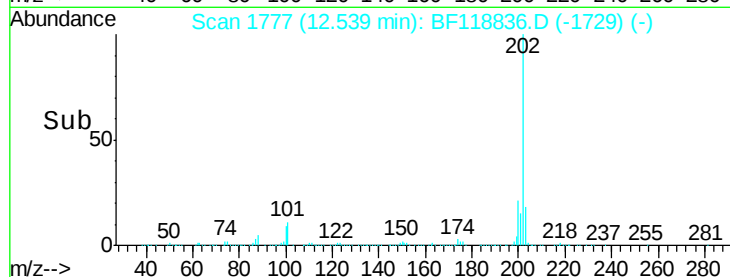
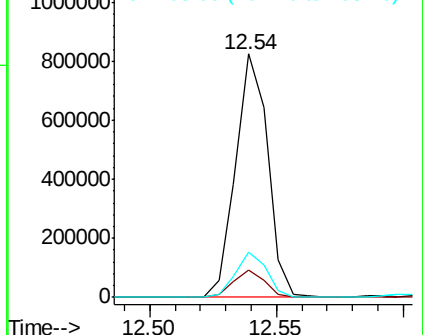
203 18.5 0.0 38.7



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: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

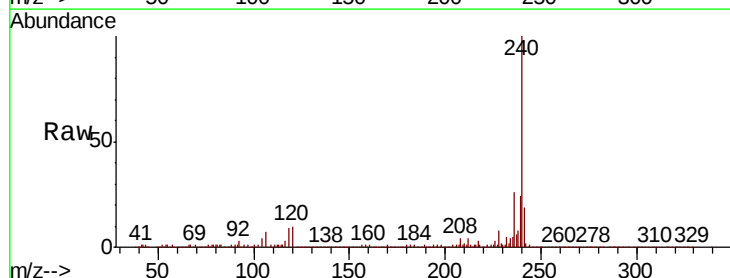
Tgt Ion:240 Resp: 712808

Ion Ratio Lower Upper

240 100

120 9.6 9.4 14.0

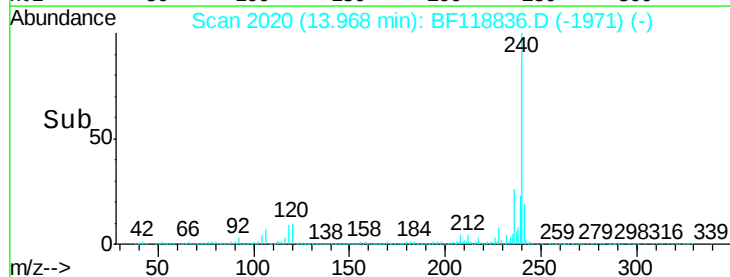
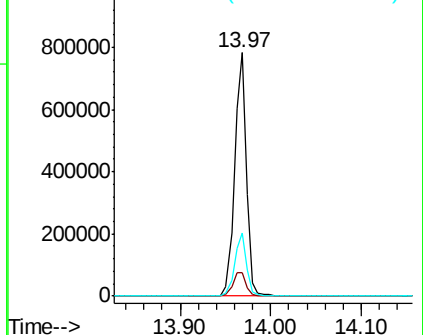
236 26.2 21.0 31.6

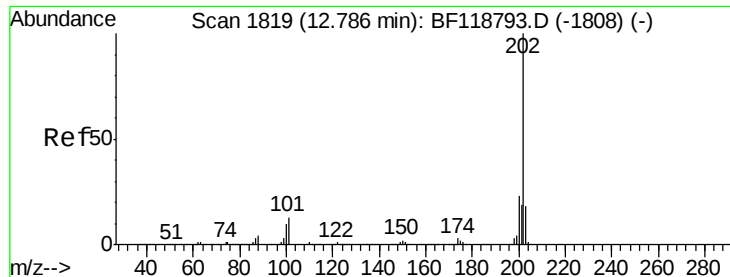


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

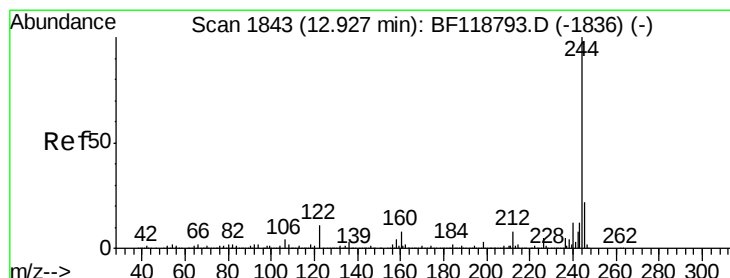
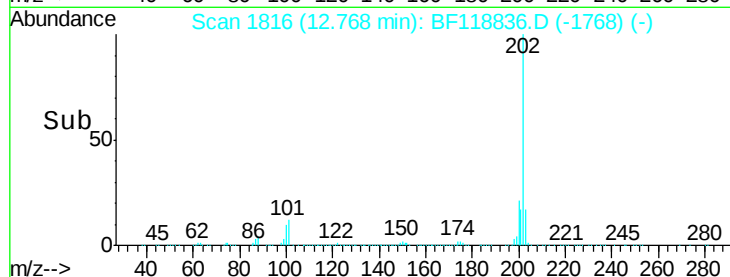
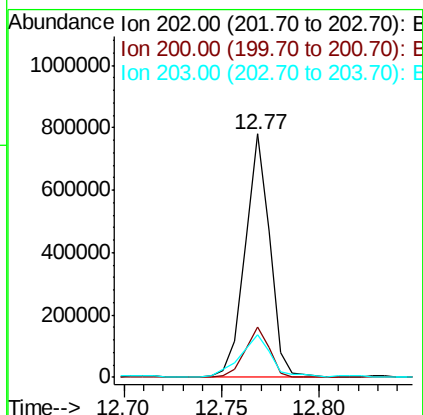
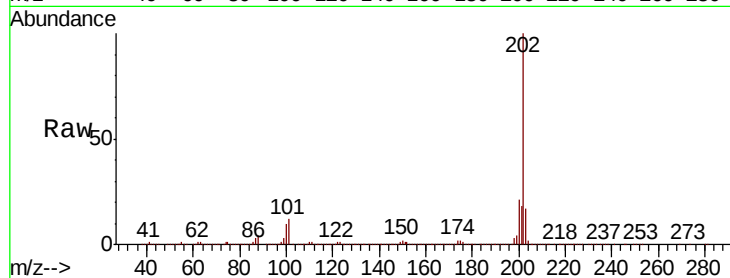




#78
Pvrene
Concen: 13.928 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

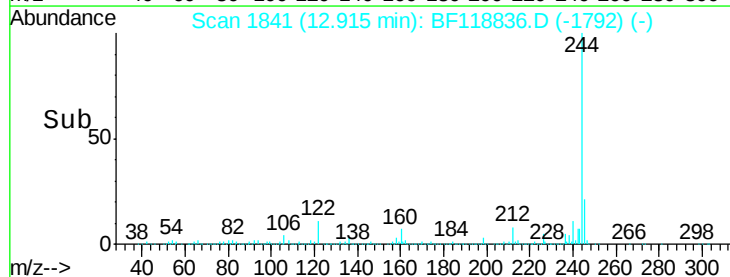
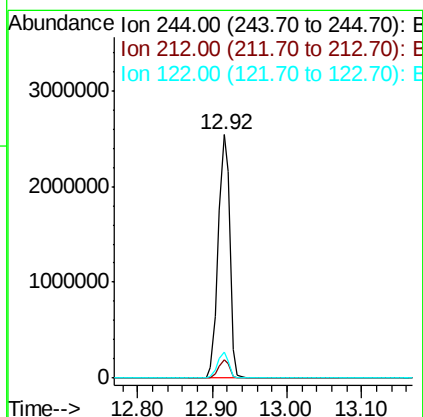
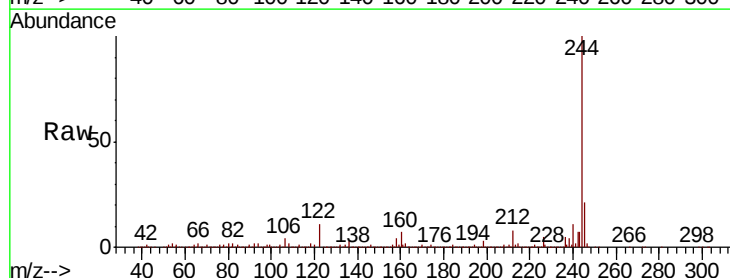
Instrument :
BNA_F
ClientSampled :

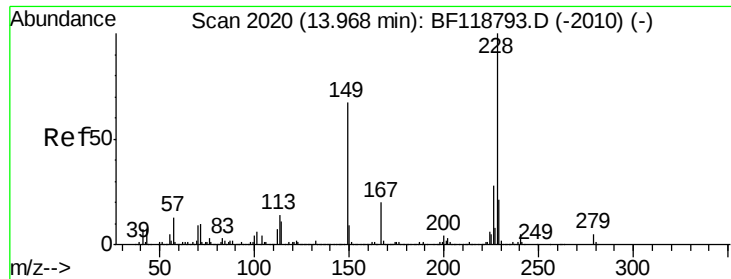
Tot Ion:202 Resp: 681072
Ion Ratio Lower Upper
202 100
200 20.7 18.2 27.2
203 17.5 14.8 22.2



#79
Terphenyl-d14
Concen: 77.547 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion:244 Resp: 2691092
Ion Ratio Lower Upper
244 100
212 7.6 6.5 9.7
122 10.7 8.9 13.3

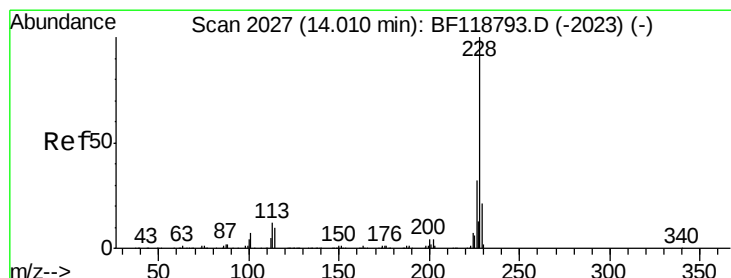
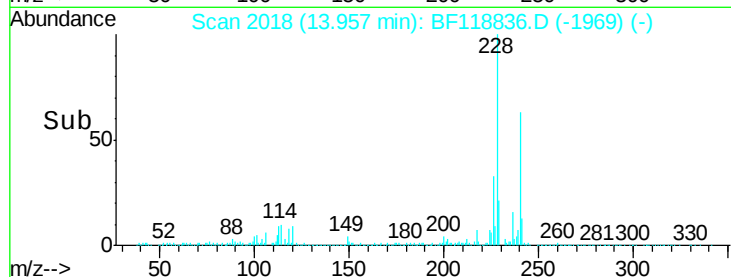
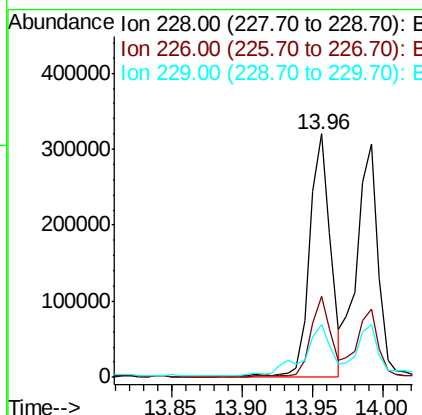
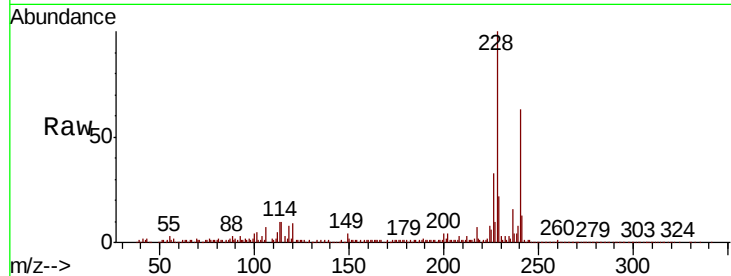




#81
Benzo(a)anthracene
Concen: 7.667 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

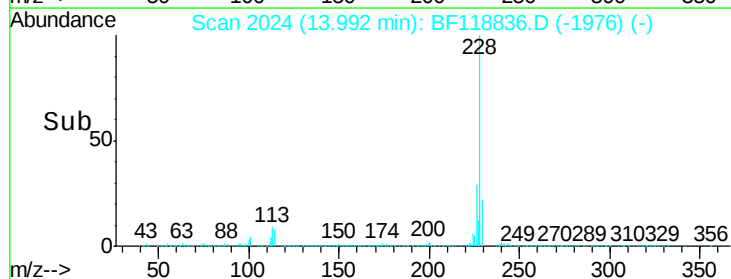
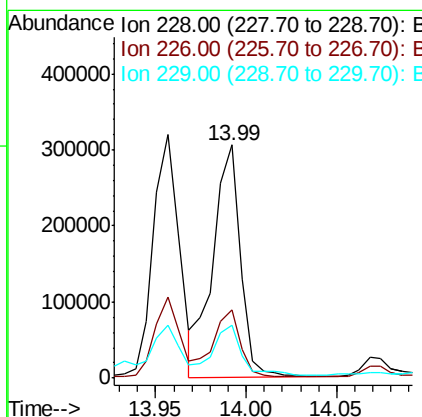
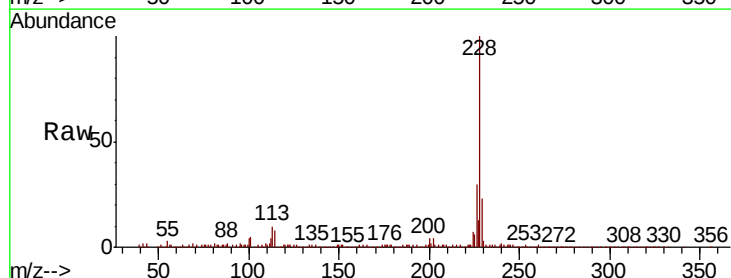
Instrument :
BNA_F
ClientSampleId :

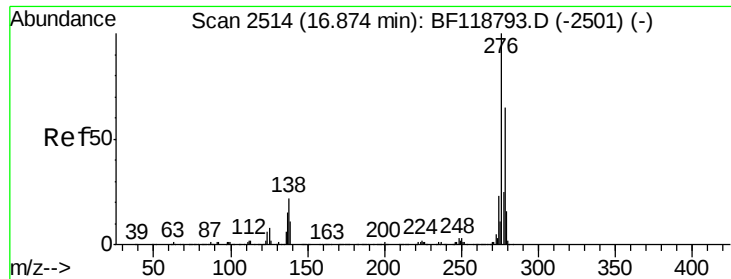
Tot Ion:228 Resp: 325193
Ion Ratio Lower Upper
228 100
226 33.1 22.7 34.1
229 21.7 16.6 25.0



#83
Chrysene
Concen: 7.619 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118836.D
Acq: 6 Feb 2020 14:50

Tgt Ion:228 Resp: 324347
Ion Ratio Lower Upper
228 100
226 29.6 25.4 38.0
229 22.7 16.9 25.3

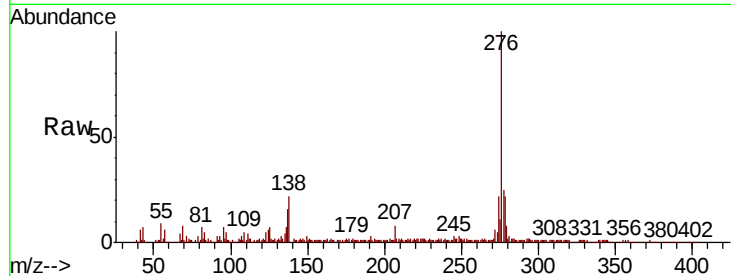




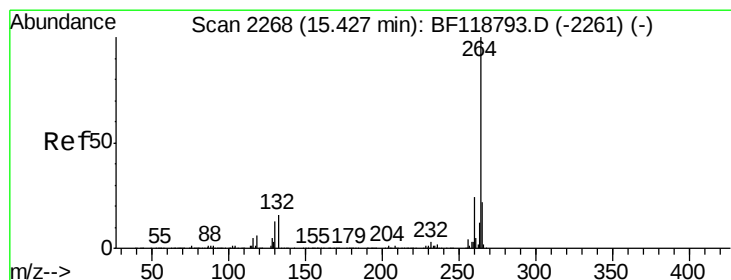
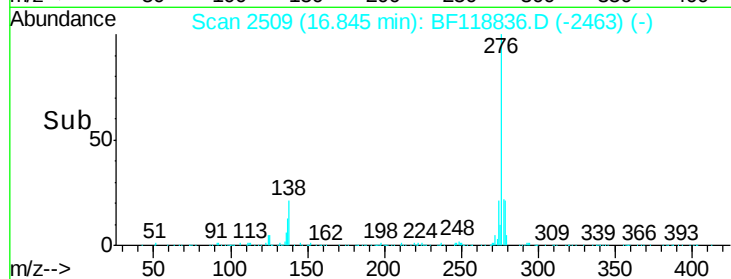
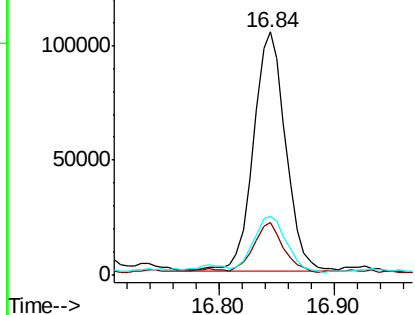
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.781 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. -0.03 min
 Lab File: BF118836.D
 Acq: 6 Feb 2020 14:50

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.9	18.3	27.5
277	23.7	20.2	30.4

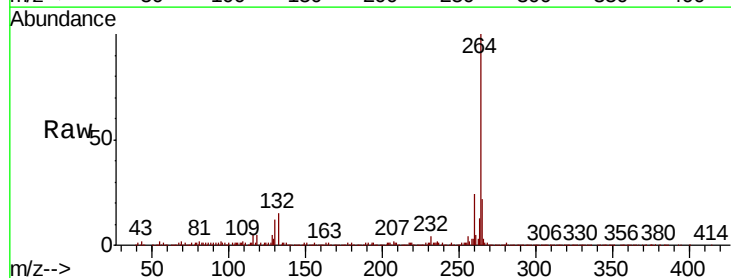


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

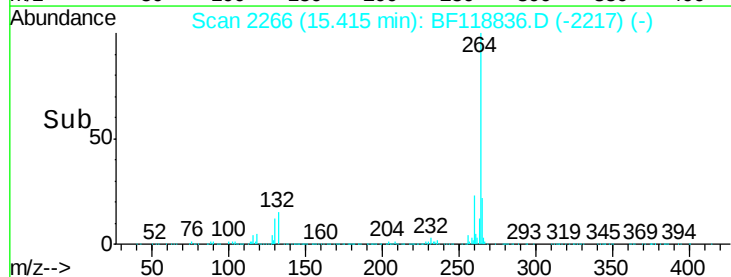
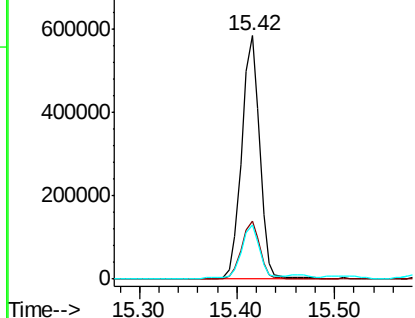


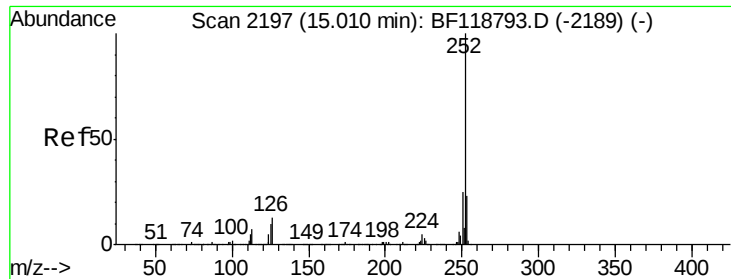
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF118836.D
 Acq: 6 Feb 2020 14:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	22.0	17.2	25.8



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





#88

Benzo(b)fluoranthene

Concen: 11.461 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF118836.D

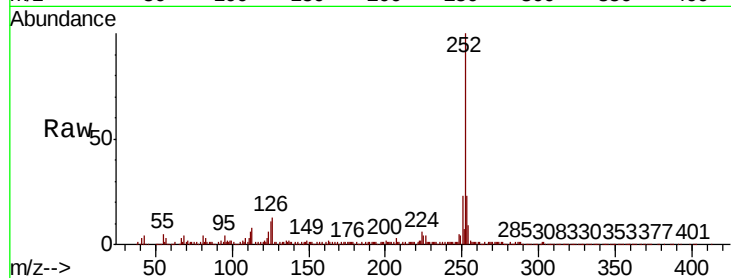
Acq: 6 Feb 2020 14:50

Instrument :

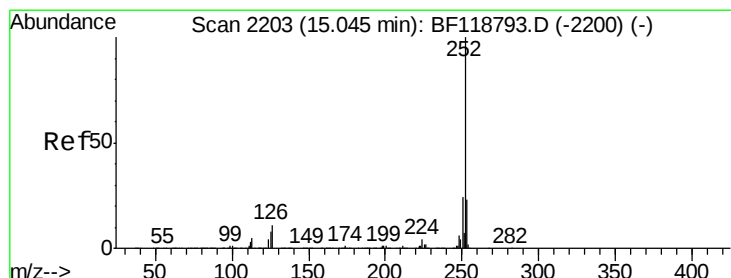
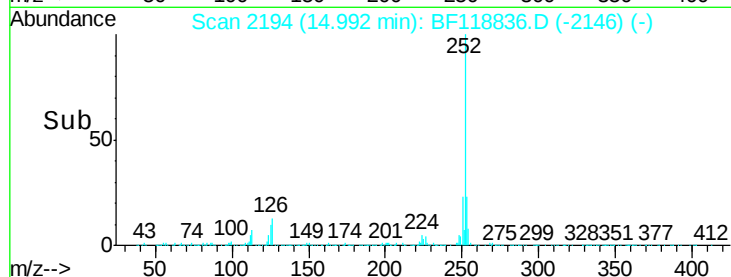
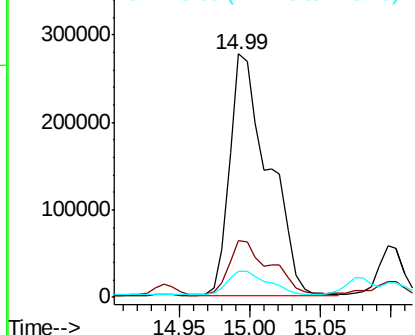
BNA_F

ClientSampleId :

Tot Ion:252	Resp:	532659
Ion Ratio	Lower	Upper
252	100	
253	23.3	18.4 27.6
125	10.8	8.1 12.1



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



#89

Benzo(k)fluoranthene

Concen: 13.161 ng

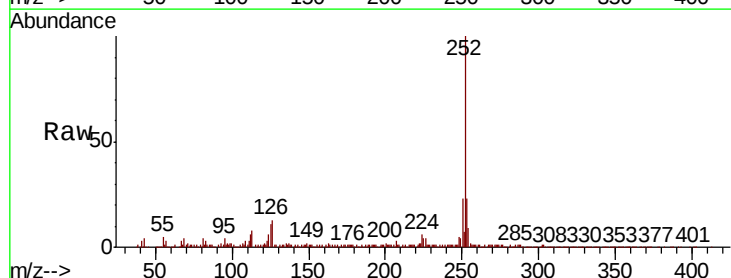
RT: 14.99 min Scan# 2194

Delta R.T. -0.05 min

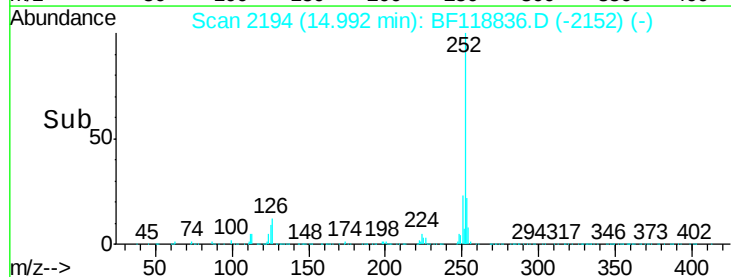
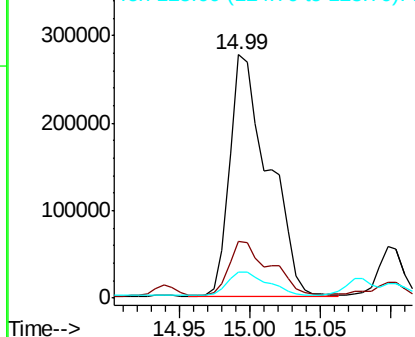
Lab File: BF118836.D

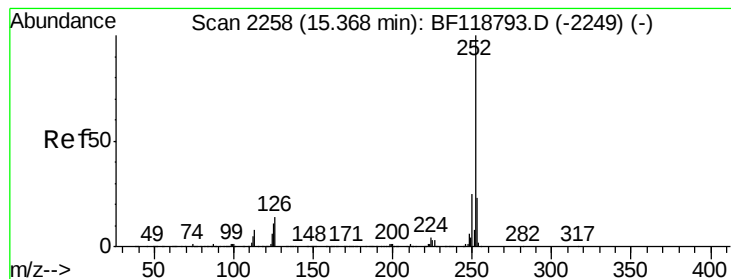
Acq: 6 Feb 2020 14:50

Tgt Ion:252	Resp:	532659
Ion Ratio	Lower	Upper
252	100	
253	23.3	18.2 27.4
125	10.8	7.0 10.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 7.440 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.02 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

Instrument :

BNA_F

ClientSampleId :

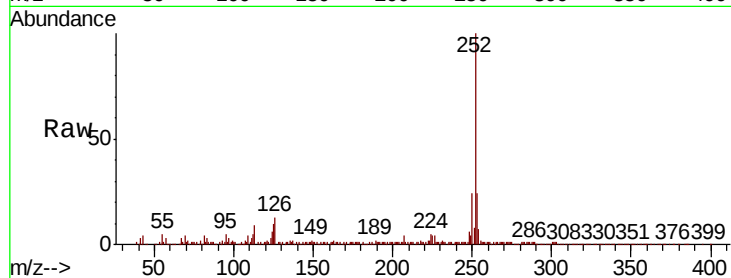
Tot Ion:252 Resp: 295905

Ion Ratio Lower Upper

252 100

253 23.6 18.1 27.1

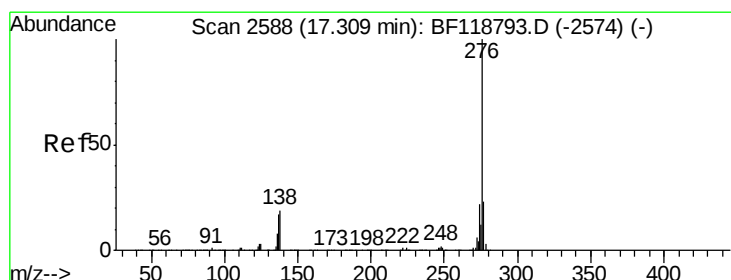
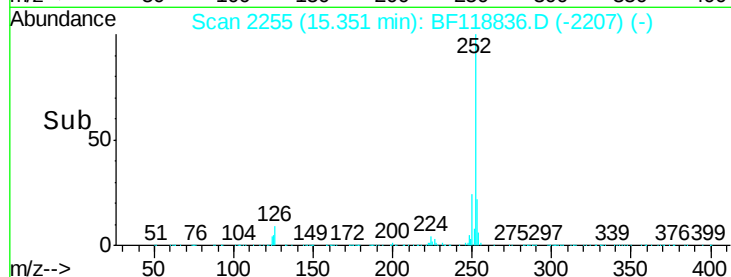
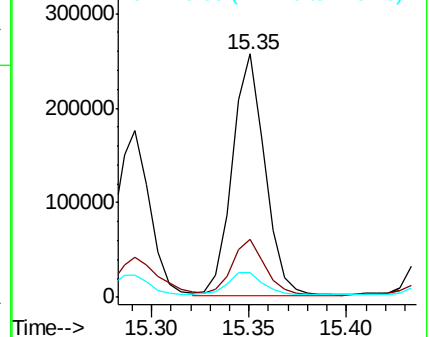
125 10.1 8.7 13.1



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



#92

Benzo(g,h,i)perylene

Concen: 5.528 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.04 min

Lab File: BF118836.D

Acq: 6 Feb 2020 14:50

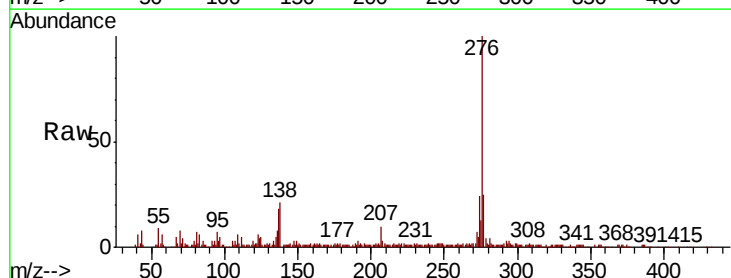
Tgt Ion:276 Resp: 187724

Ion Ratio Lower Upper

276 100

277 24.6 18.7 28.1

138 20.9 15.4 23.2



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

