

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081823\
 Data File : BF134836.D
 Acq On : 18 Aug 2023 12:06
 Operator : CG\JU
 Sample : 04046-04 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07(0-5)

Quant Time: Aug 18 12:41:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

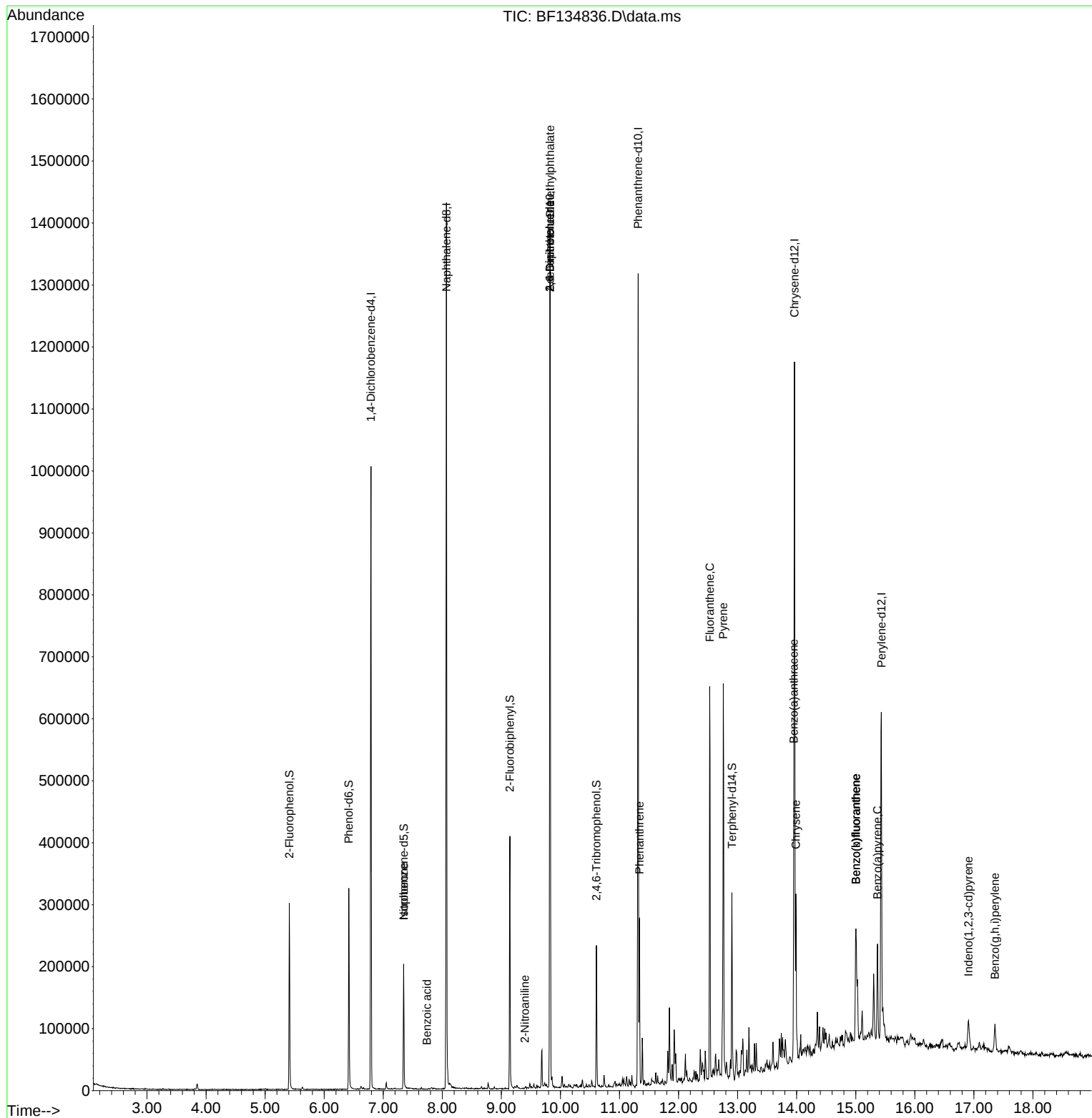
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	141065	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	570080	20.000	ng	#-0.01
39) Acenaphthene-d10	9.822	164	292973	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	451398	20.000	ng	# 0.00
76) Chrysene-d12	13.962	240	324292	20.000	ng	#-0.01
86) Perylene-d12	15.433	264	247493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	77135	8.312	ng	-0.02
7) Phenol-d6	6.416	99	98913	8.338	ng	-0.02
23) Nitrobenzene-d5	7.345	82	57483	6.301	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	23901	8.003	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	120000	6.810	ng	-0.02
79) Terphenyl-d14	12.904	244	92242	5.014	ng	-0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	6.316	77	53	Below Cal	#	3
25) Isophorone	7.345	82	56031	2.816	ng	# 65
32) Benzoic acid	7.739	122	59	7.876	ng	# 1
48) 2-Nitroaniline	9.398	65	60	3.177	ng	# 8
50) Dimethylphthalate	9.827	163	60710	3.040	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	37959	11.291	ng	# 17
57) 2,4-Dinitrotoluene	9.822	165	37959	10.076	ng	# 18
71) Phenanthrene	11.339	178	102892	4.291	ng	97
75) Fluoranthene	12.527	202	246838	9.746	ng	95
78) Pyrene	12.757	202	251264	8.954	ng	98
81) Benzo(a)anthracene	13.951	228	122293	5.274	ng	96
83) Chrysene	13.986	228	100502	4.449	ng	96
87) Indeno(1,2,3-cd)pyrene	16.909	276	31188	2.143	ng	# 91
88) Benzo(b)fluoranthene	15.004	252	139220	9.223	ng	# 97
89) Benzo(k)fluoranthene	15.004	252	139220	9.259	ng	# 96
90) Benzo(a)pyrene	15.368	252	71647	5.091	ng	# 94
92) Benzo(g,h,i)perylene	17.356	276	30867	2.572	ng	# 87

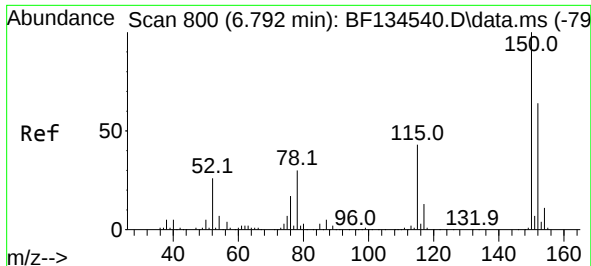
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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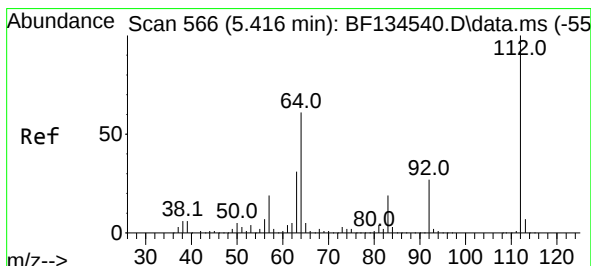
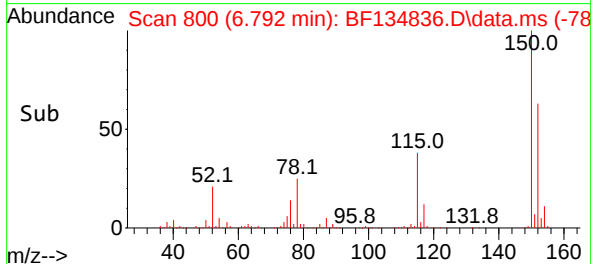
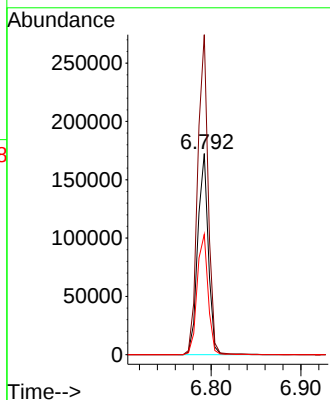
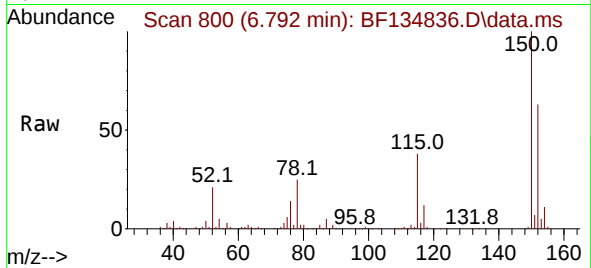




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

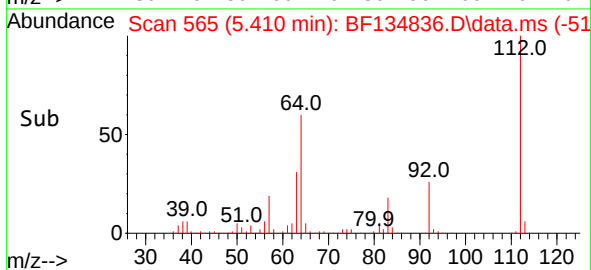
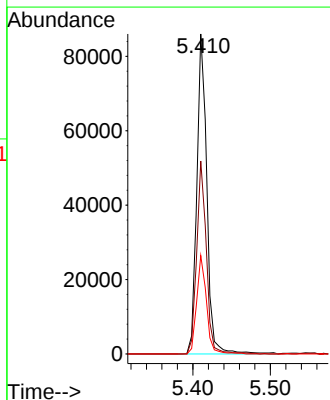
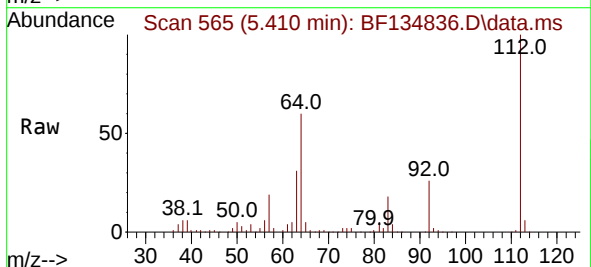
Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

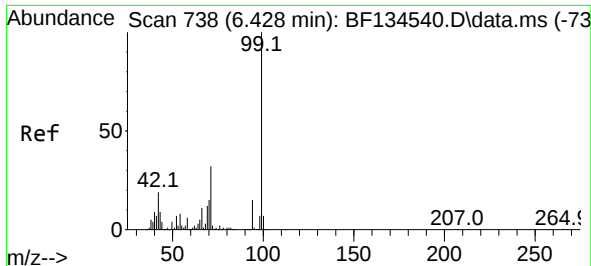
Tgt Ion:152 Resp: 141065
Ion Ratio Lower Upper
152 100
150 159.1 128.3 192.5
115 59.8 52.4 78.6



#5
2-Fluorophenol
Concen: 8.312 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.018 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:112 Resp: 77135
Ion Ratio Lower Upper
112 100
64 60.3 44.9 67.3
63 30.7 25.4 38.0





#7

Phenol-d6

Concen: 8.338 ng

RT: 6.416 min Scan# 71

Delta R.T. -0.024 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

Instrument :

BNA_F

ClientSampleId :

SB-07(0-5)

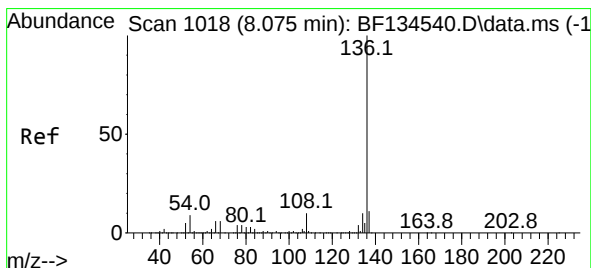
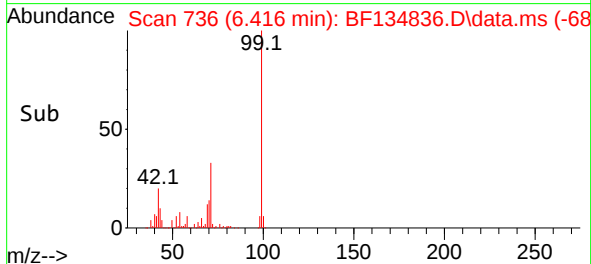
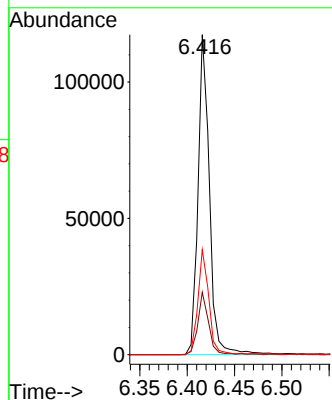
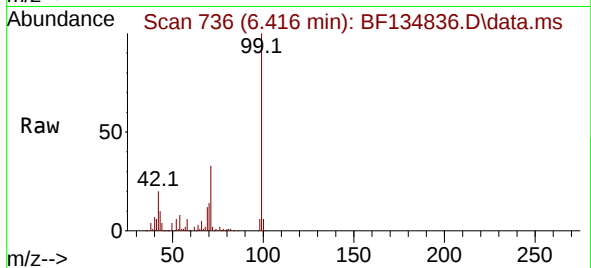
Tgt Ion: 99 Resp: 98913

Ion Ratio Lower Upper

99 100

42 19.6 18.7 28.1

71 32.8 36.4 54.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.012 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

Tgt Ion: 136 Resp: 570080

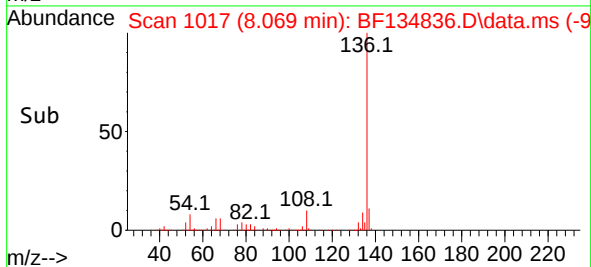
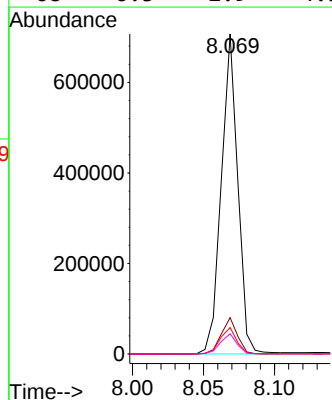
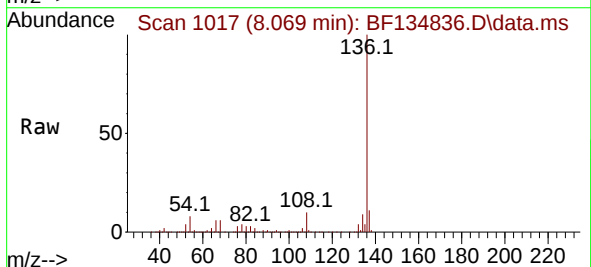
Ion Ratio Lower Upper

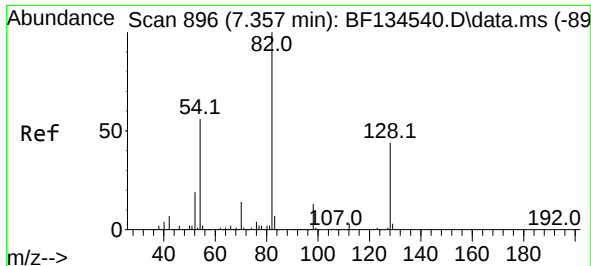
136 100

137 11.3 8.4 12.6

54 8.2 5.2 7.8#

68 6.3 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 6.301 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.024 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

Instrument :

BNA_F

ClientSampleId :

SB-07(0-5)

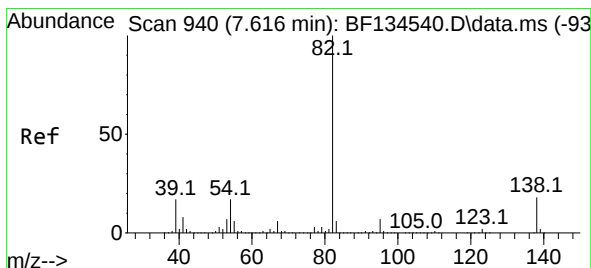
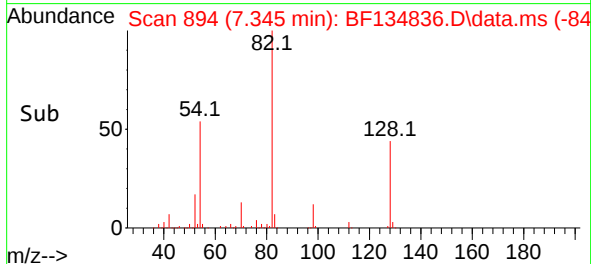
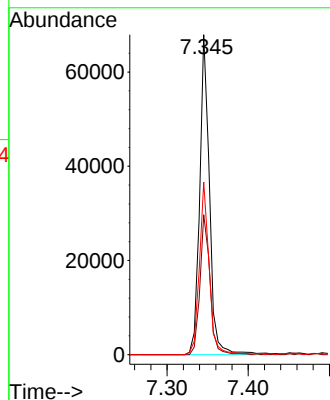
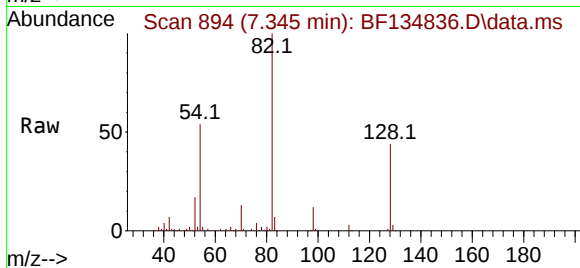
Tgt Ion: 82 Resp: 57483

Ion Ratio Lower Upper

82 100

128 43.8 34.3 51.5

54 53.9 43.8 65.6



#25

Isophorone

Concen: 2.816 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.282 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

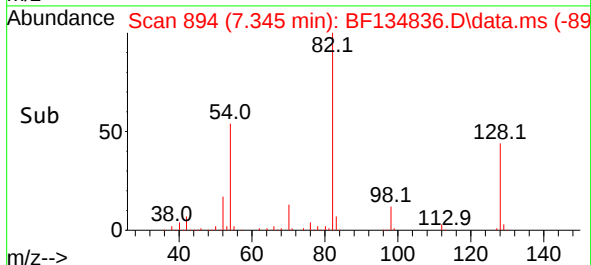
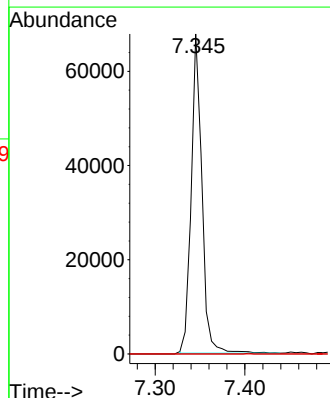
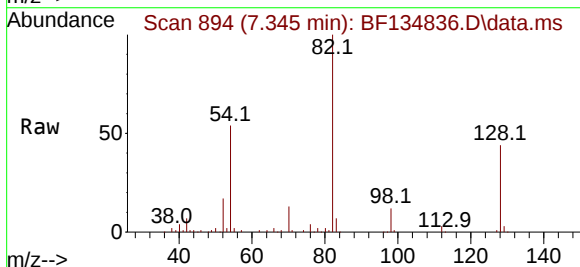
Tgt Ion: 82 Resp: 56031

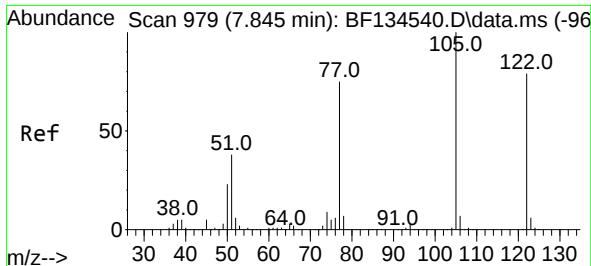
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.6 22.0#

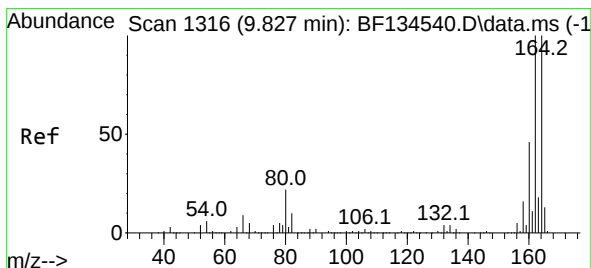
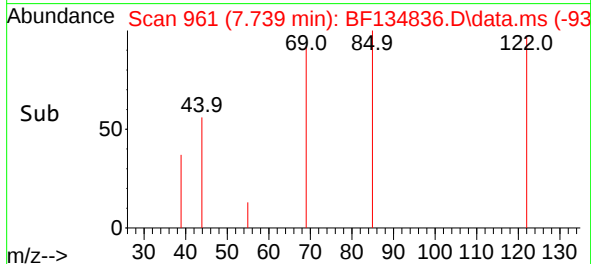
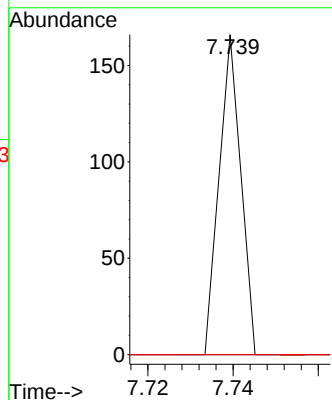
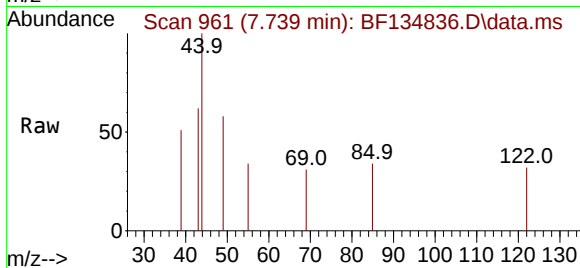




#32
Benzoic acid
Concen: 7.876 ng
RT: 7.739 min Scan# 90
Delta R.T. -0.124 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

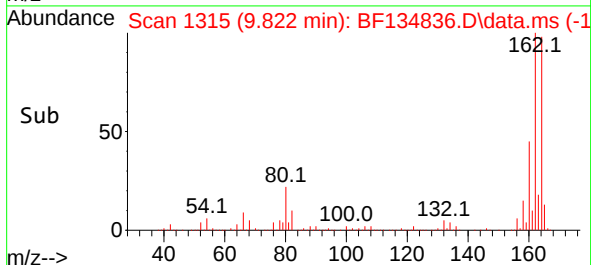
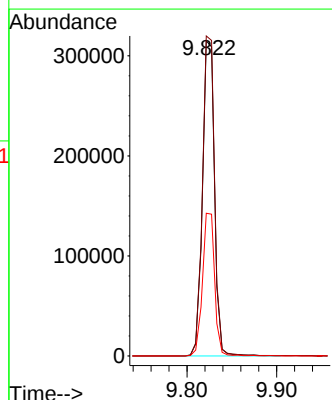
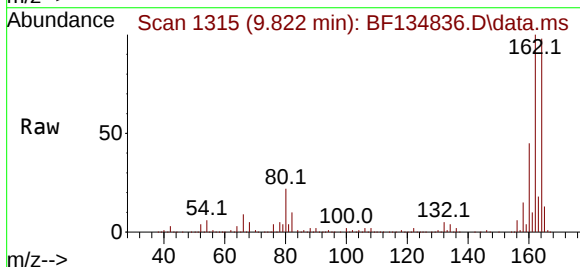
Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

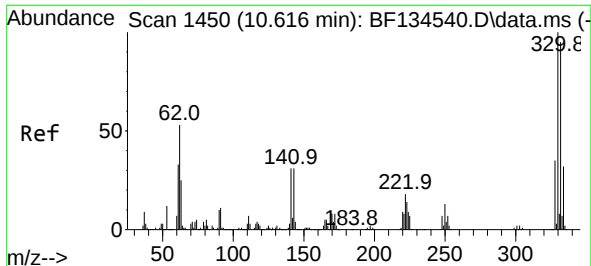
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 0.0 71.4 111.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:164 Resp: 292973
Ion Ratio Lower Upper
164 100
162 101.6 82.6 123.8
160 45.3 37.2 55.8





#42

2,4,6-Tribromophenol

Concen: 8.003 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF134836.D

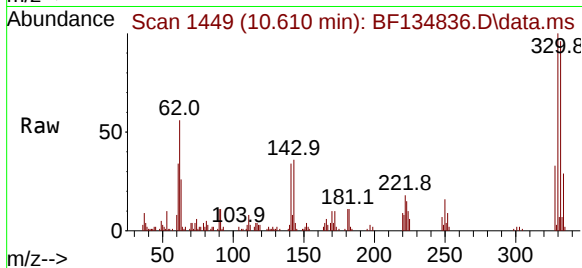
Acq: 18 Aug 2023 12:06

Instrument :

BNA_F

ClientSampleId :

SB-07(0-5)



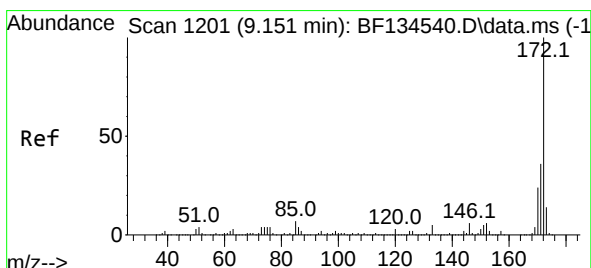
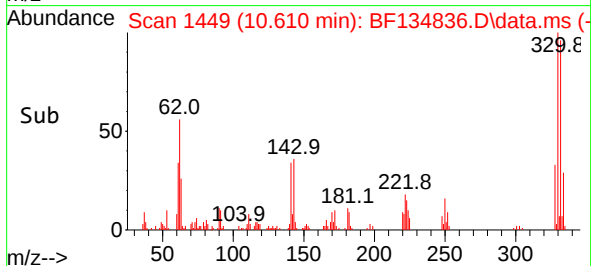
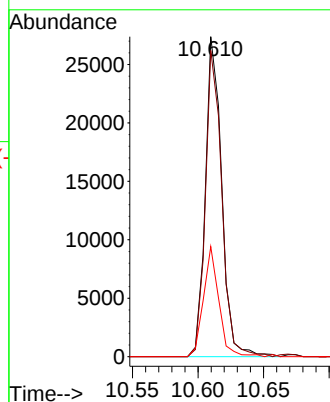
Tgt Ion:330 Resp: 23901

Ion Ratio Lower Upper

330 100

332 95.3 78.8 118.2

141 32.5 25.4 38.2



#45

2-Fluorobiphenyl

Concen: 6.810 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

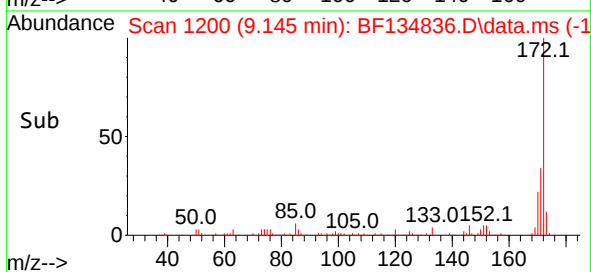
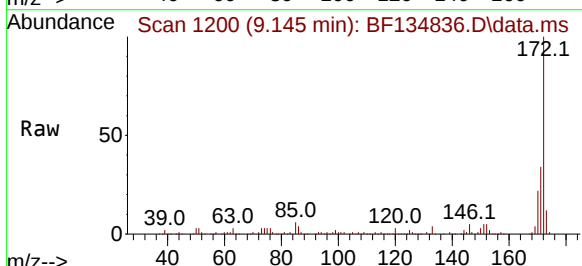
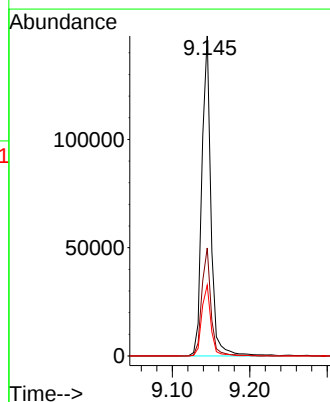
Tgt Ion:172 Resp: 120000

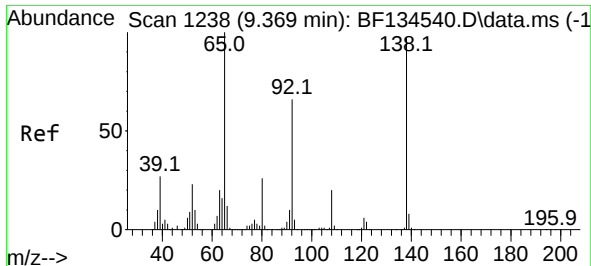
Ion Ratio Lower Upper

172 100

171 33.7 28.8 43.2

170 22.1 18.7 28.1





#48

2-Nitroaniline

Concen: 3.177 ng

RT: 9.398 min Scan# 11

Delta R.T. 0.018 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

Instrument :

BNA_F

ClientSampleId :

SB-07(0-5)

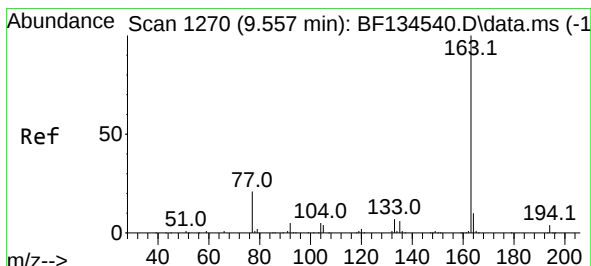
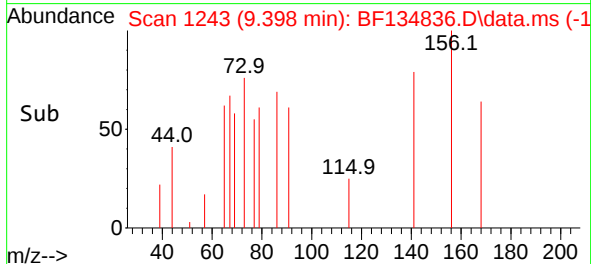
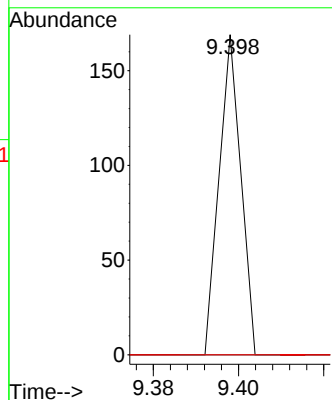
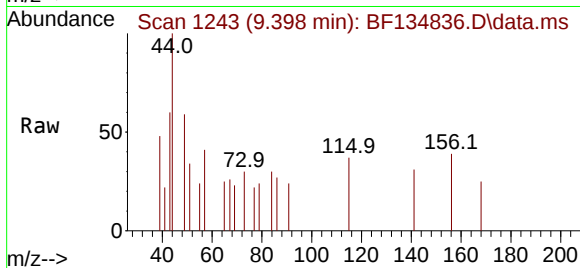
Tgt Ion: 65 Resp: 60

Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#



#50

Dimethylphthalate

Concen: 3.040 ng

RT: 9.827 min Scan# 1316

Delta R.T. 0.259 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

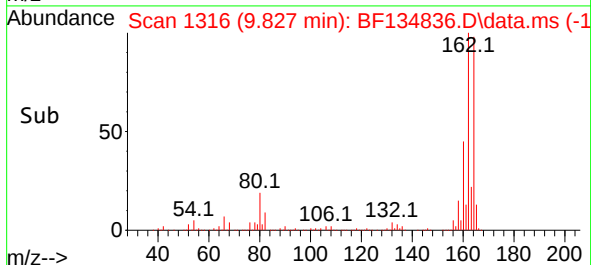
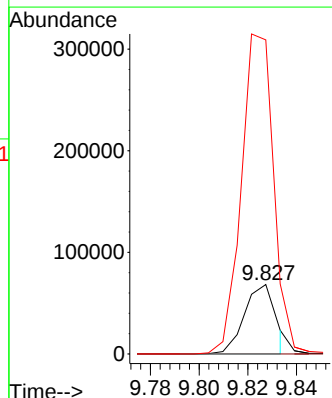
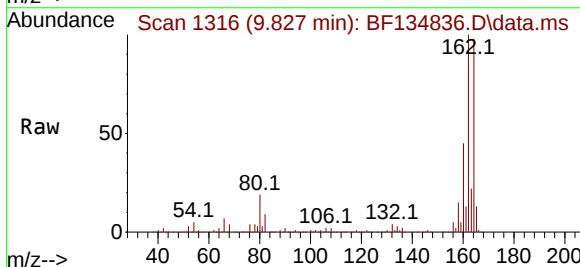
Tgt Ion: 163 Resp: 60710

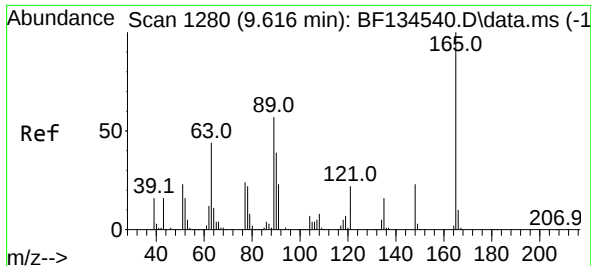
Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

164 452.4 7.5 11.3#

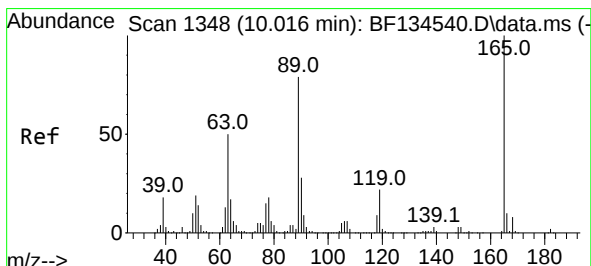
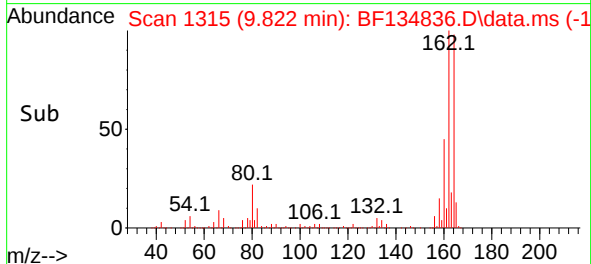
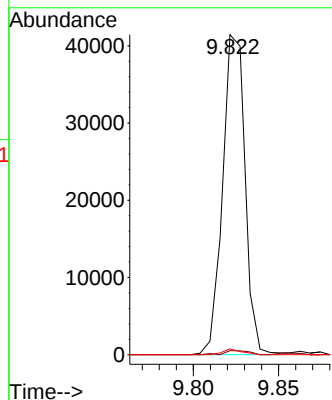
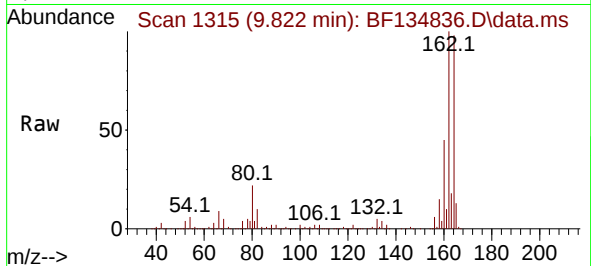




#51
2,6-Dinitrotoluene
Concen: 11.291 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.194 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

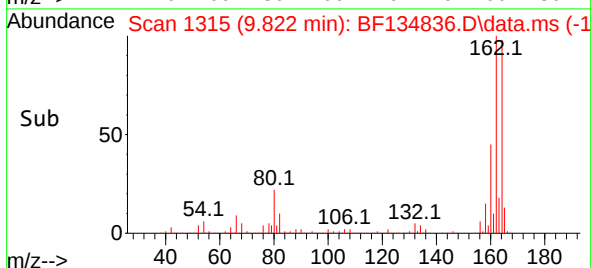
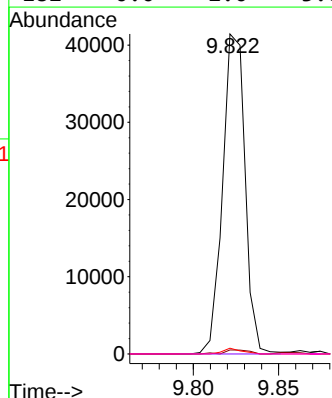
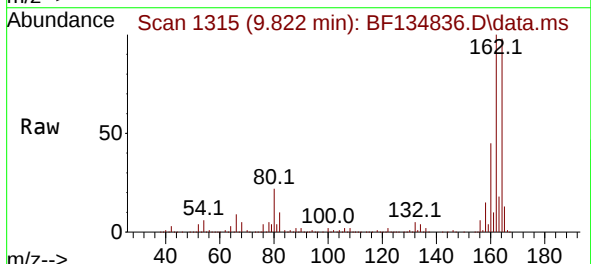
Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

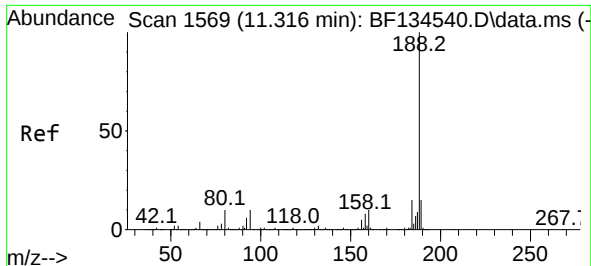
Tgt Ion:165 Resp: 37959
Ion Ratio Lower Upper
165 100
63 1.3 57.8 86.6#
89 1.8 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 10.076 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.206 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:165 Resp: 37959
Ion Ratio Lower Upper
165 100
63 1.3 48.9 73.3#
89 1.8 61.7 92.5#
182 0.0 2.0 3.0#

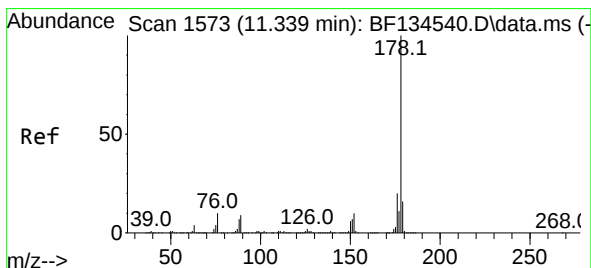
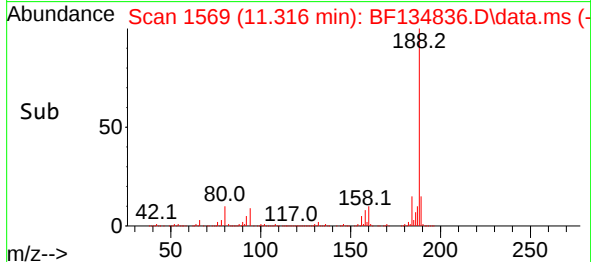
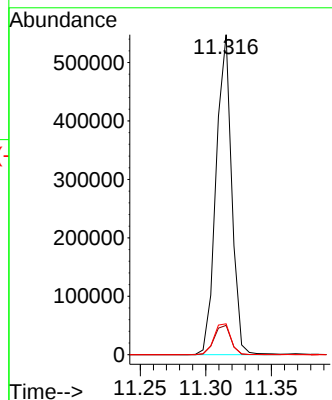
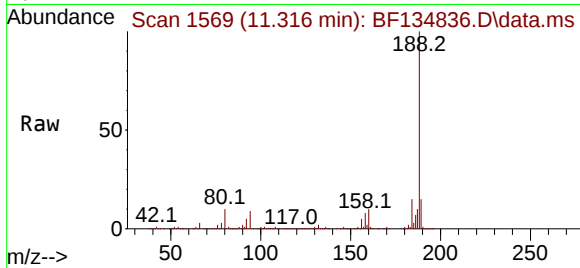




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

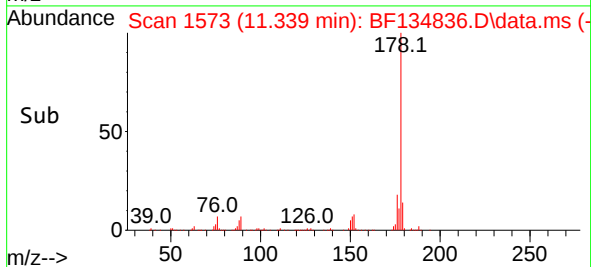
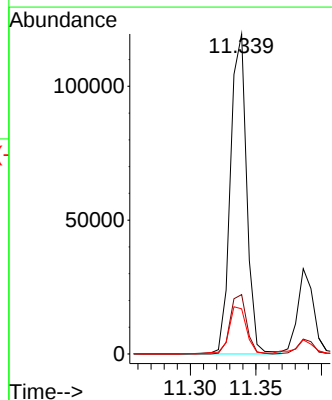
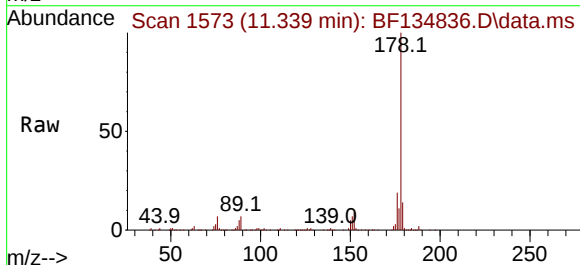
Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

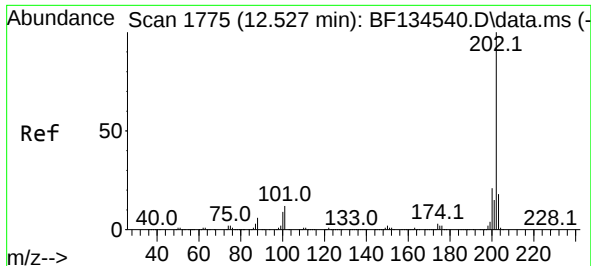
Tgt Ion:188 Resp: 451398
Ion Ratio Lower Upper
188 100
94 9.1 5.1 7.7#
80 9.6 6.6 9.8



#71
Phenanthrene
Concen: 4.291 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:178 Resp: 102892
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.6
179 14.1 12.7 19.1

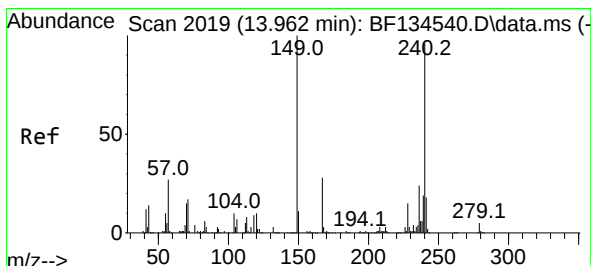
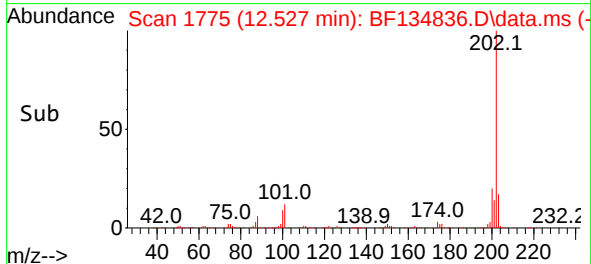
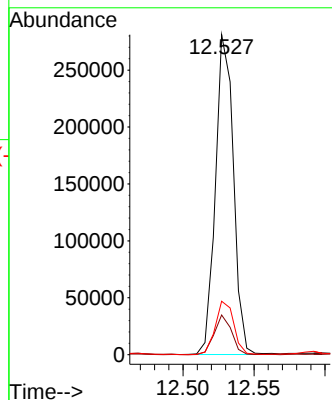
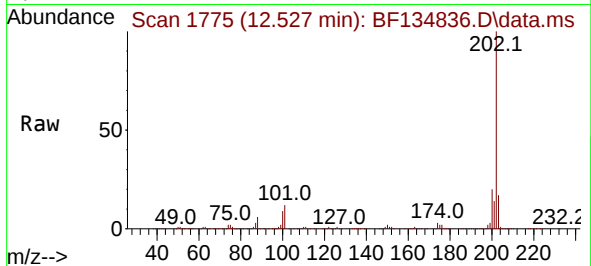




#75
Fluoranthene
Concen: 9.746 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

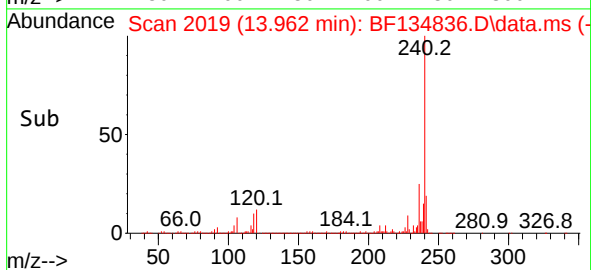
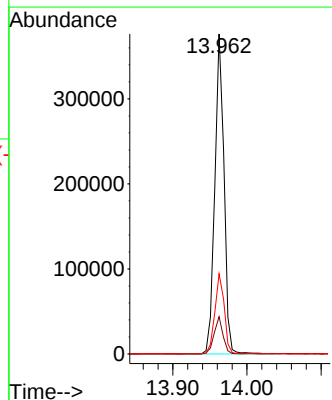
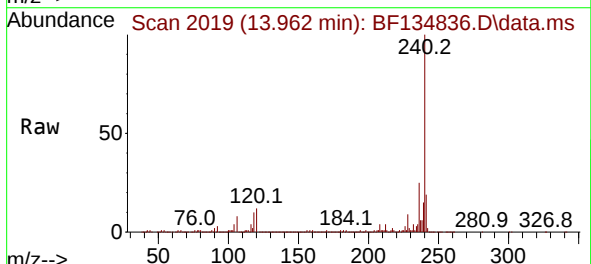
Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

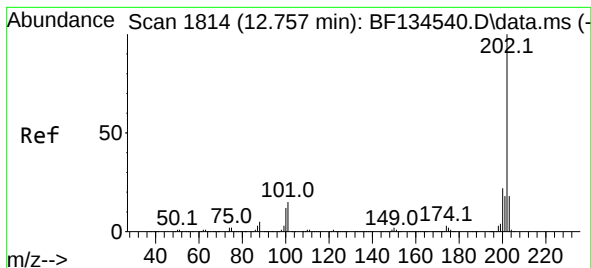
Tgt Ion:202 Resp: 246838
Ion Ratio Lower Upper
202 100
101 12.4 0.0 28.5
203 16.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:240 Resp: 324292
Ion Ratio Lower Upper
240 100
120 11.7 6.6 10.0#
236 25.0 20.2 30.2





#78

Pyrene

Concen: 8.954 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

Instrument :

BNA_F

ClientSampleId :

SB-07(0-5)

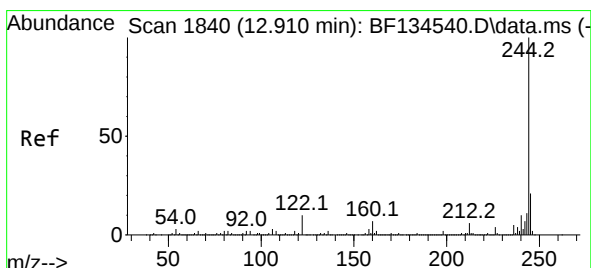
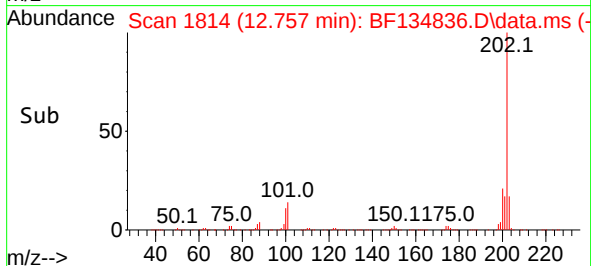
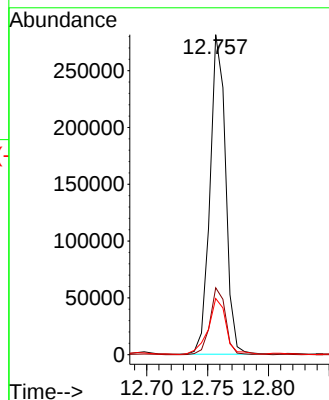
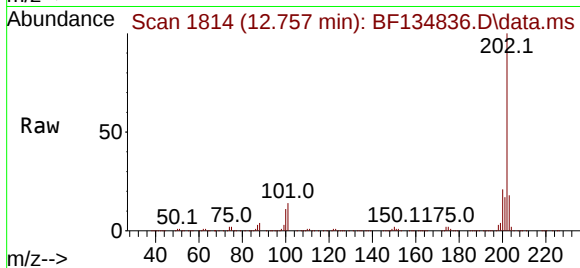
Tgt Ion:202 Resp: 251264

Ion Ratio Lower Upper

202 100

200 20.9 15.8 23.8

203 17.6 13.5 20.3



#79

Terphenyl-d14

Concen: 5.014 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.018 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

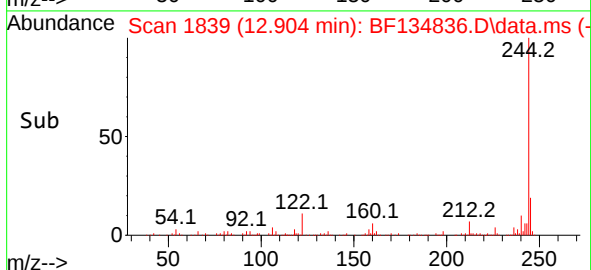
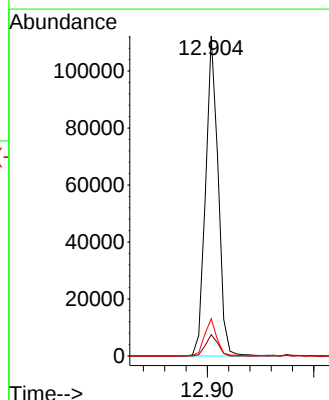
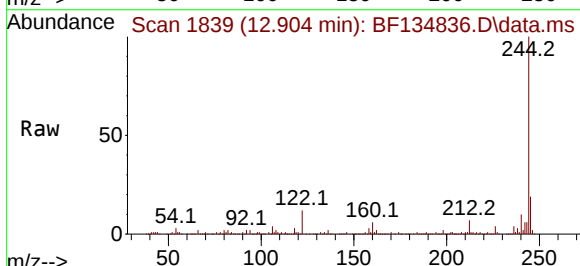
Tgt Ion:244 Resp: 92242

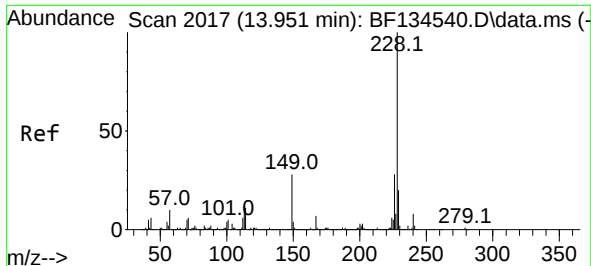
Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.7 8.0 12.0

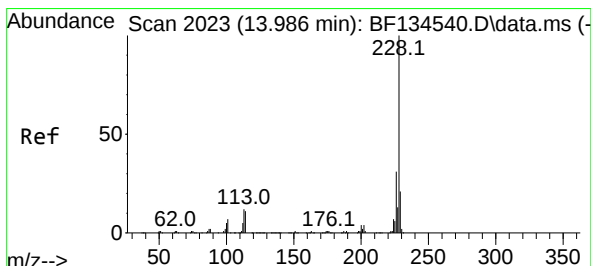
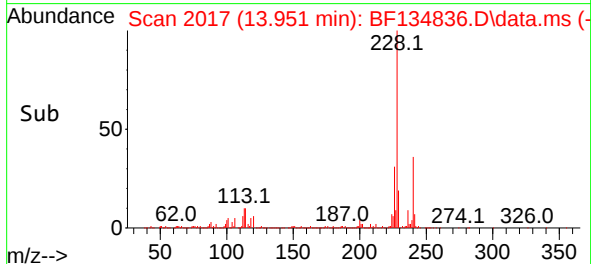
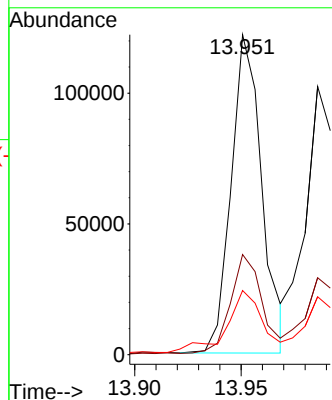
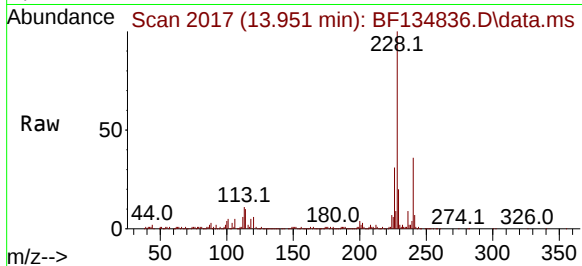




#81
Benzo(a)anthracene
Concen: 5.274 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

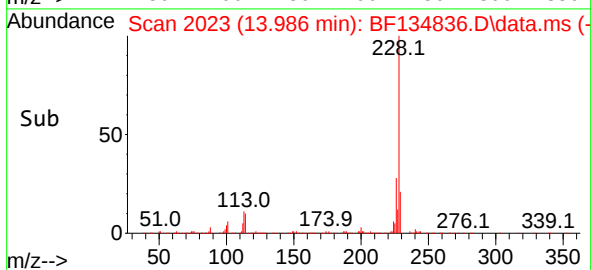
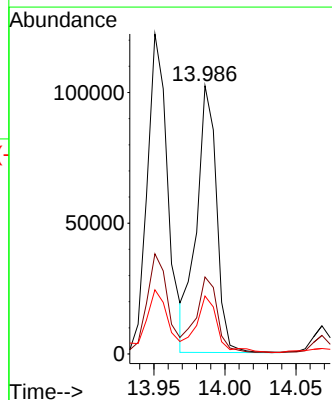
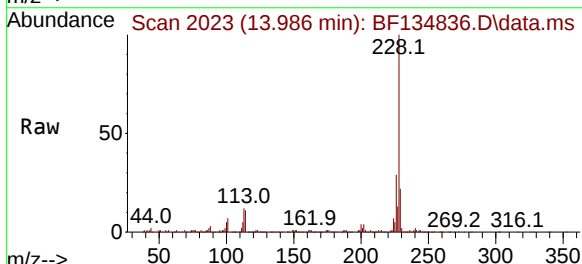
Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

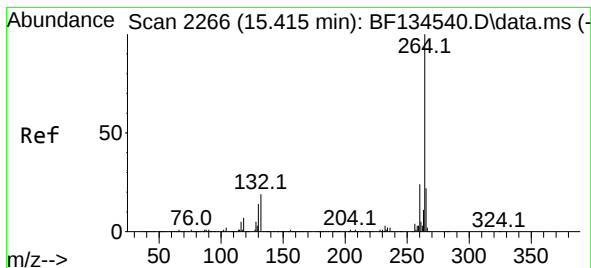
Tgt Ion:228 Resp: 122293
Ion Ratio Lower Upper
228 100
226 31.3 22.3 33.5
229 20.0 15.8 23.6



#83
Chrysene
Concen: 4.449 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:228 Resp: 100502
Ion Ratio Lower Upper
228 100
226 28.7 24.5 36.7
229 21.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

Instrument :

BNA_F

ClientSampleId :

SB-07(0-5)

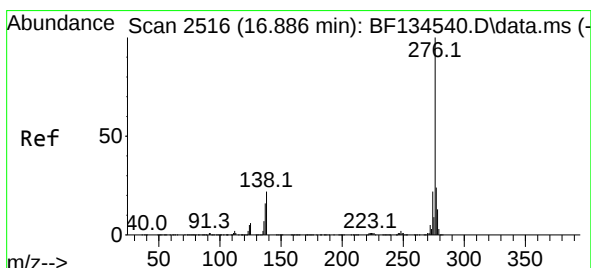
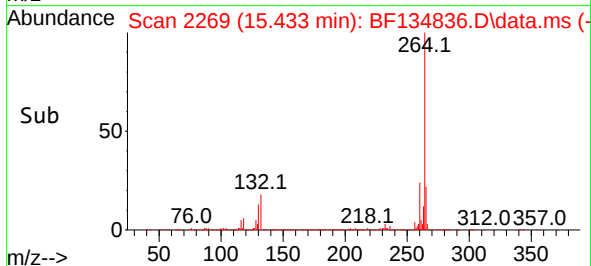
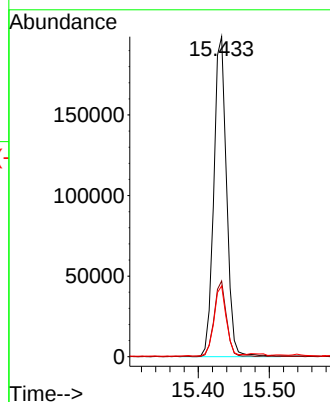
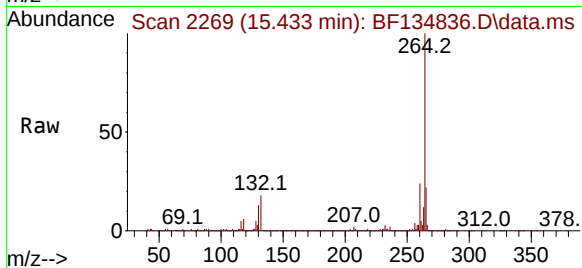
Tgt Ion:264 Resp: 247493

Ion Ratio Lower Upper

264 100

260 23.7 18.4 27.6

265 22.1 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.143 ng

RT: 16.909 min Scan# 2520

Delta R.T. -0.018 min

Lab File: BF134836.D

Acq: 18 Aug 2023 12:06

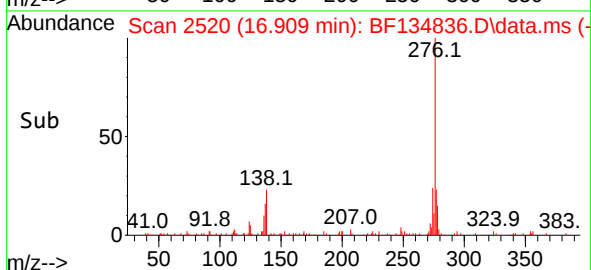
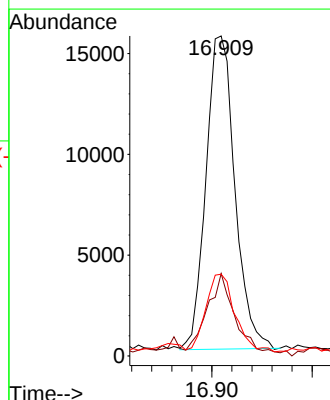
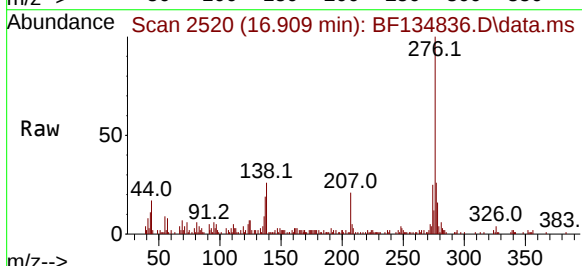
Tgt Ion:276 Resp: 31188

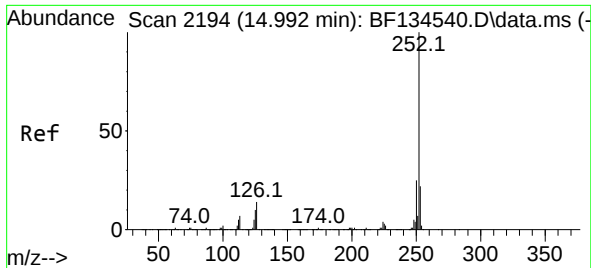
Ion Ratio Lower Upper

276 100

138 26.6 14.2 21.4#

277 24.6 19.9 29.9

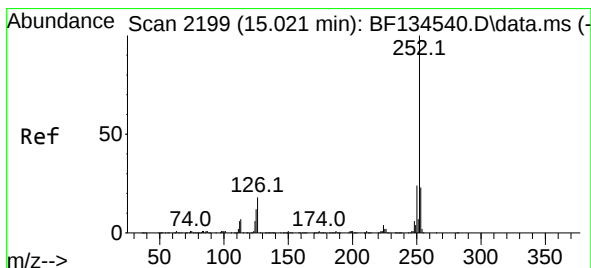
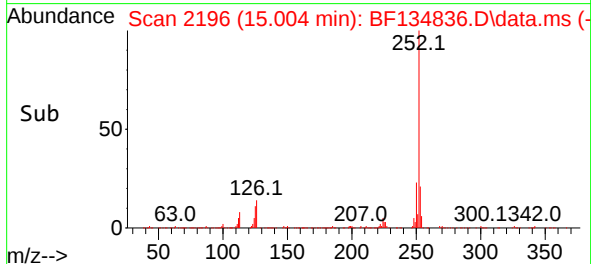
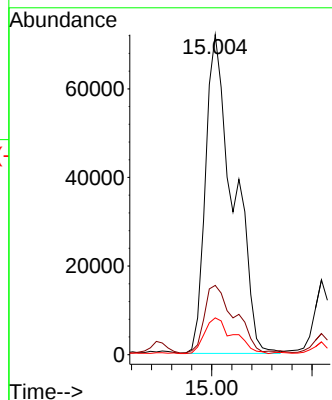
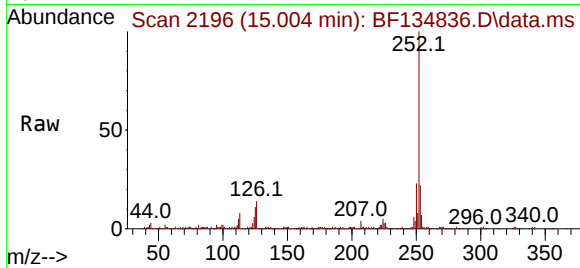




#88
Benzo(b)fluoranthene
Concen: 9.223 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

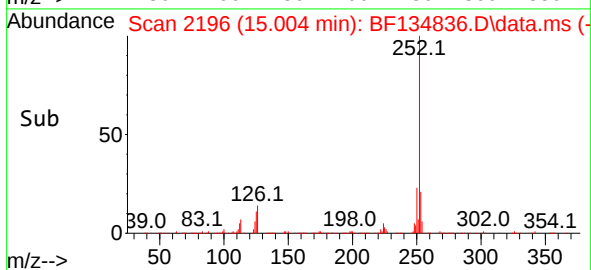
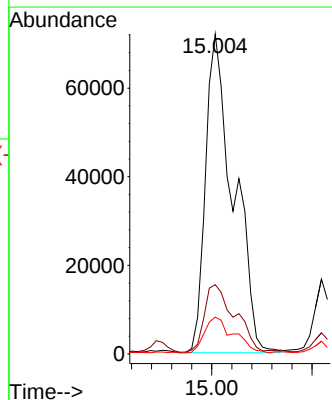
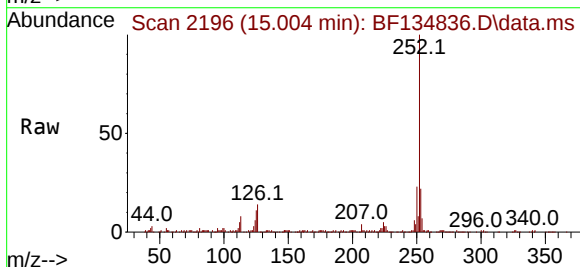
Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

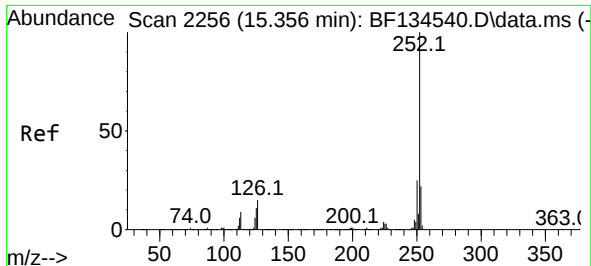
Tgt Ion:252 Resp: 139220
Ion Ratio Lower Upper
252 100
253 21.6 17.3 25.9
125 11.5 6.0 9.0#



#89
Benzo(k)fluoranthene
Concen: 9.259 ng
RT: 15.004 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:252 Resp: 139220
Ion Ratio Lower Upper
252 100
253 21.6 17.9 26.9
125 11.5 6.3 9.5#

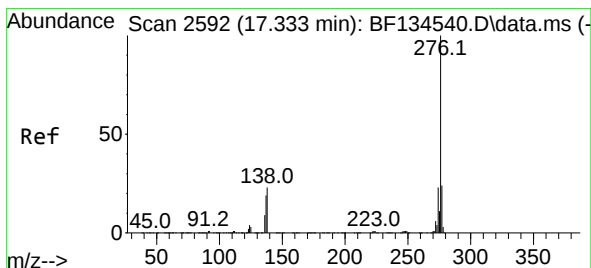
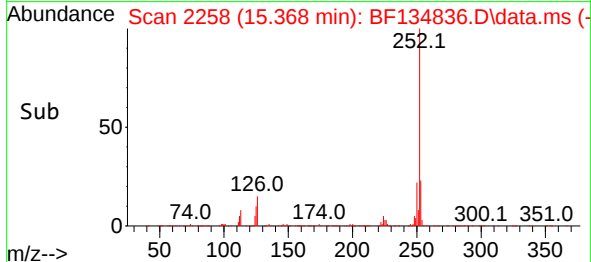
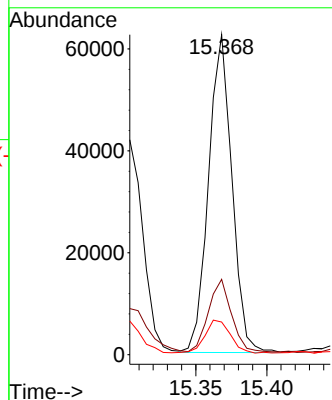
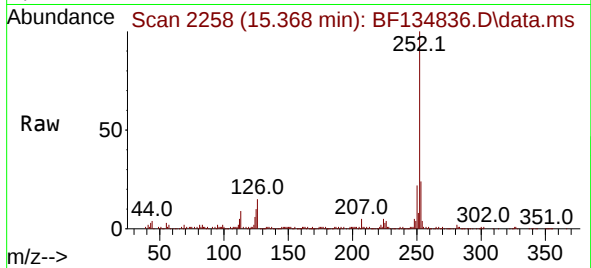




#90
Benzo(a)pyrene
Concen: 5.091 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Instrument :
BNA_F
ClientSampleId :
SB-07(0-5)

Tgt Ion:252 Resp: 71647
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 10.2 6.2 9.4#



#92
Benzo(g,h,i)perylene
Concen: 2.572 ng
RT: 17.356 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BF134836.D
Acq: 18 Aug 2023 12:06

Tgt Ion:276 Resp: 30867
Ion Ratio Lower Upper
276 100
277 27.6 19.0 28.6
138 24.1 12.2 18.2#

