

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083123\
 Data File : BF135065.D
 Acq On : 01 Sep 2023 03:47
 Operator : CG\JU
 Sample : 04217-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-04-082923

Quant Time: Sep 01 04:23:01 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

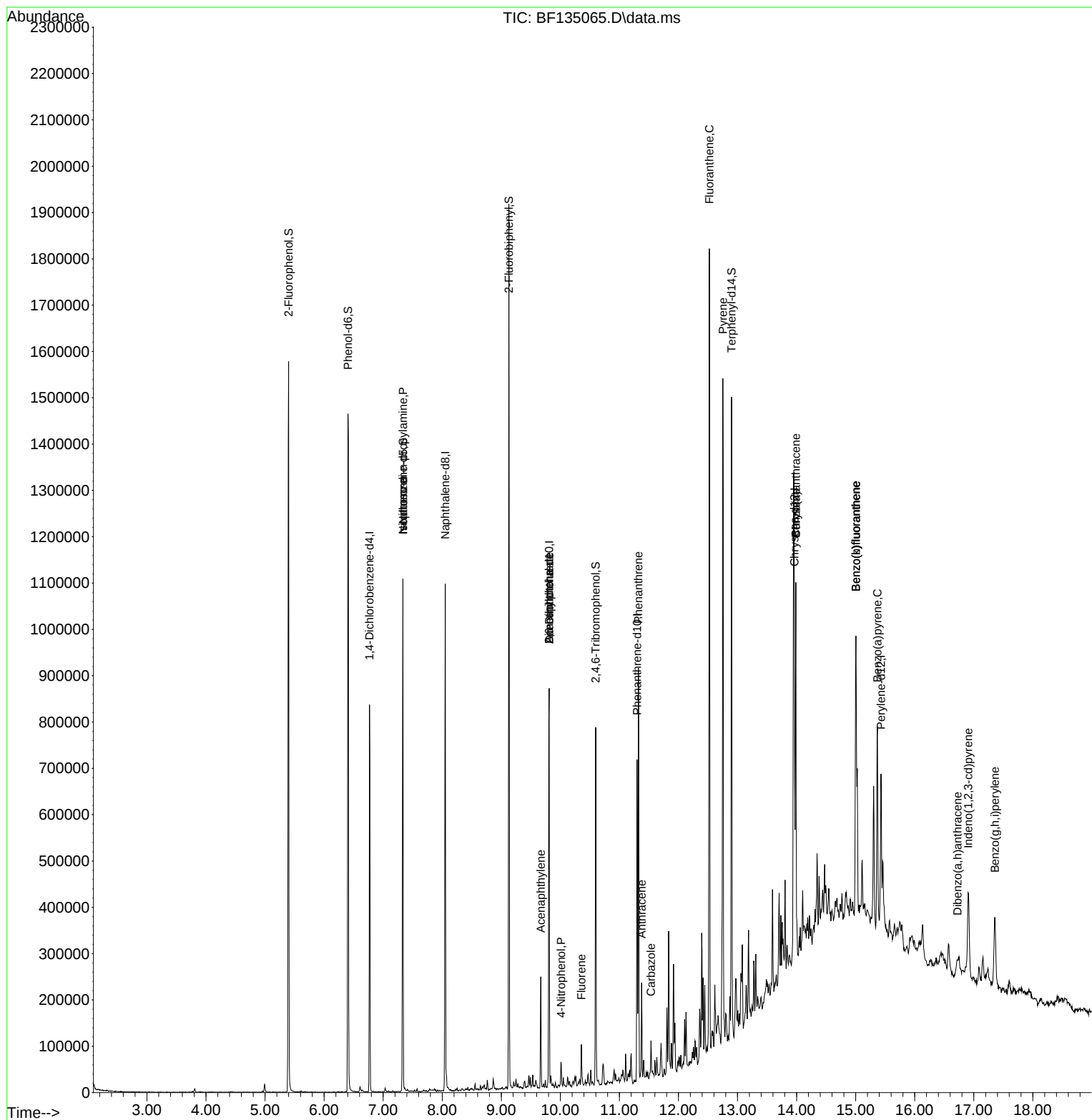
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	117167	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	427563	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	171405	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	244584	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	206240	20.000	ng	# 0.00
86) Perylene-d12	15.427	264	149864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	421015	55.503	ng	0.00
7) Phenol-d6	6.404	99	497262	52.593	ng	-0.01
23) Nitrobenzene-d5	7.334	82	302059	39.690	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	81699	44.933	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	509199	48.367	ng	-0.01
79) Terphenyl-d14	12.898	244	435245	34.439	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	41152	7.327	ng	# 76
25) Isophorone	7.334	82	302097	20.936	ng	# 65
49) Acenaphthylene	9.669	152	89880	6.038	ng	98
50) Dimethylphthalate	9.810	163	35346	2.945	ng	# 1
51) 2,6-Dinitrotoluene	9.810	165	22112	8.396	ng	# 22
56) 4-Nitrophenol	10.010	139	5744	2.664	ng	# 14
58) Fluorene	10.357	166	22297	2.137	ng	97
71) Phenanthrene	11.322	178	322911	25.591	ng	100
72) Anthracene	11.375	178	72495	5.623	ng	98
73) Carbazole	11.533	167	28939	2.603	ng	96
75) Fluoranthene	12.522	202	649571	50.916	ng	100
78) Pyrene	12.751	202	593283	30.298	ng	100
81) Benzo(a)anthracene	13.986	228	323840	23.019	ng	95
83) Chrysene	13.986	228	323840	23.423	ng	97
87) Indeno(1,2,3-cd)pyrene	16.904	276	126494	12.531	ng	95
88) Benzo(b)fluoranthene	15.004	252	446259	47.857	ng	97
89) Benzo(k)fluoranthene	15.004	252	446259	49.537	ng	96
90) Benzo(a)pyrene	15.368	252	194754	22.483	ng	96
91) Dibenzo(a,h)anthracene	16.721	278	24383	2.982	ng	93
92) Benzo(g,h,i)perylene	17.357	276	117885	13.864	ng	96

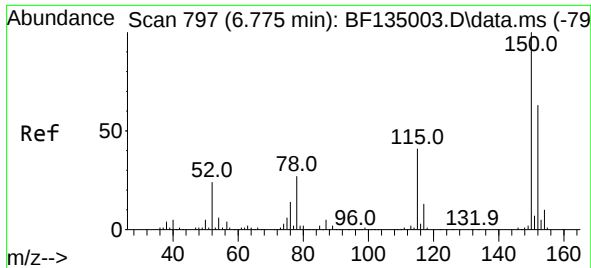
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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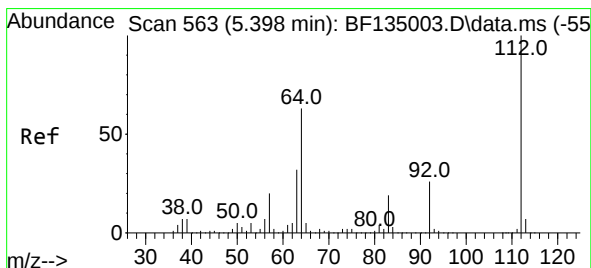
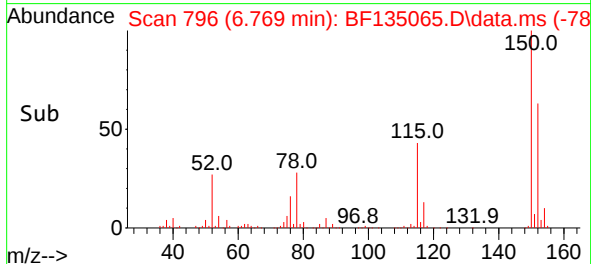
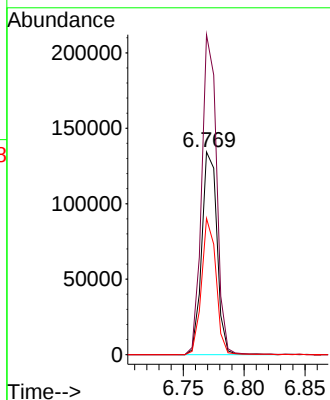
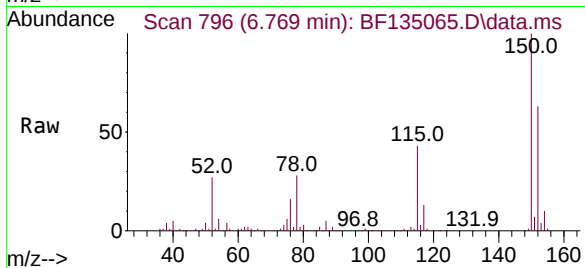




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

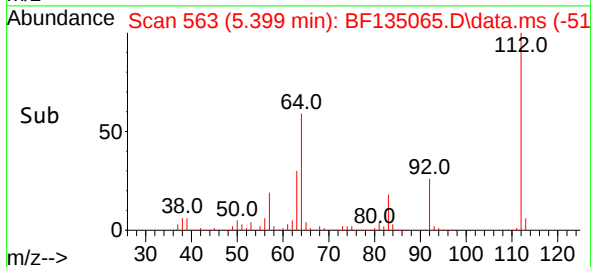
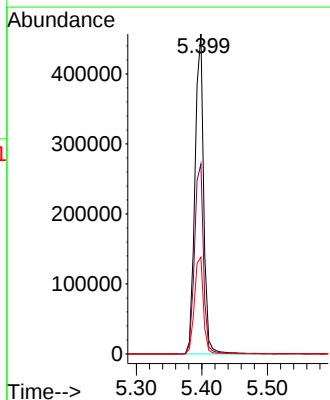
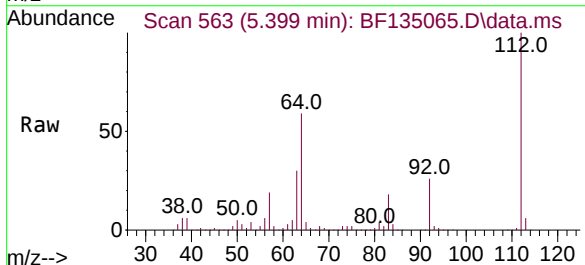
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

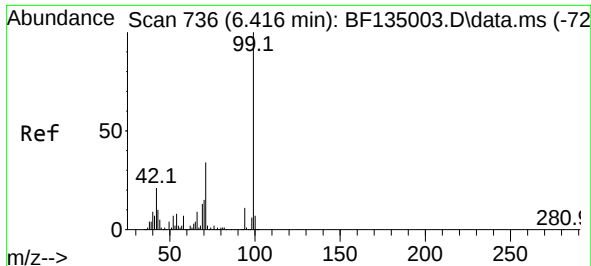
Tgt Ion:152 Resp: 117167
Ion Ratio Lower Upper
152 100
150 157.9 126.2 189.4
115 67.2 51.2 76.8



#5
2-Fluorophenol
Concen: 55.503 ng
RT: 5.399 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:112 Resp: 421015
Ion Ratio Lower Upper
112 100
64 59.4 50.5 75.7
63 30.2 25.9 38.9

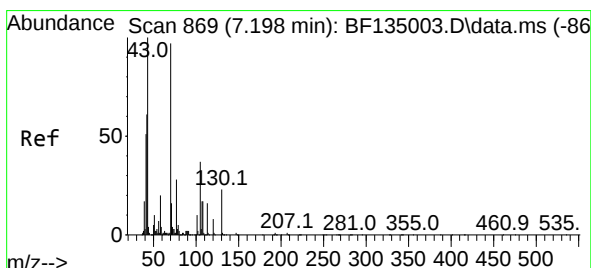
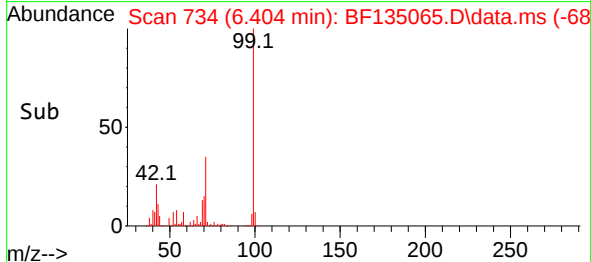
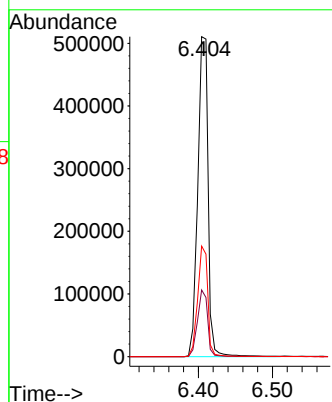
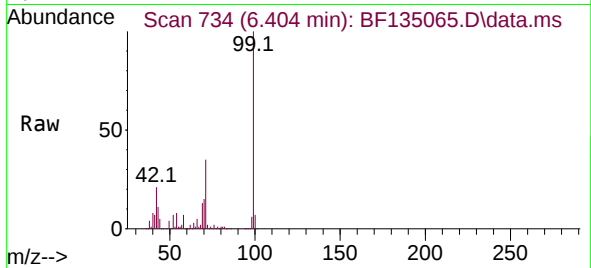




#7
Phenol-d6
Concen: 52.593 ng
RT: 6.404 min Scan# 734
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

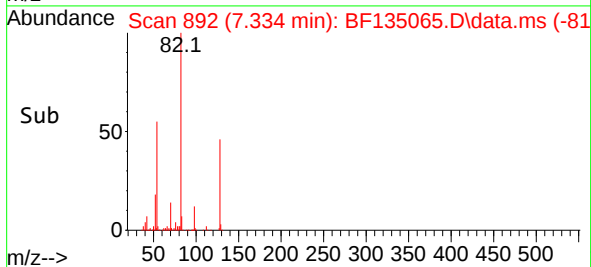
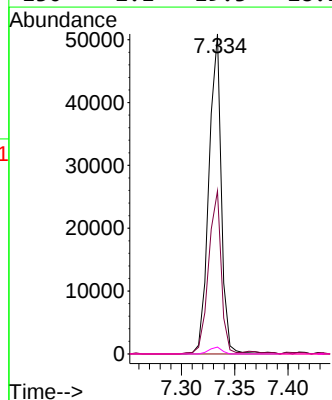
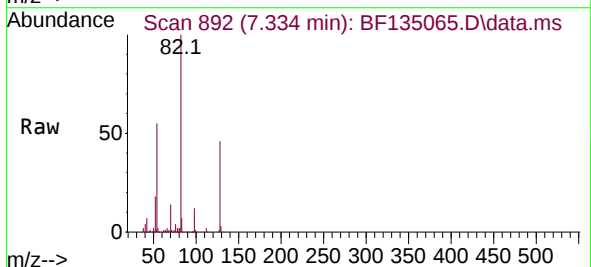
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

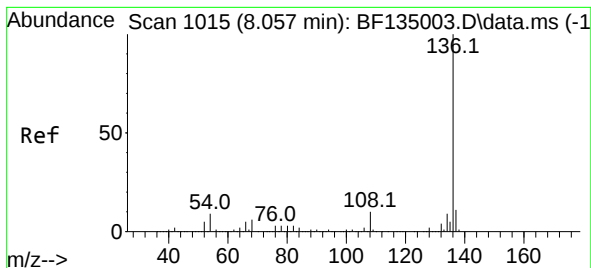
Tgt Ion: 99 Resp: 497262
Ion Ratio Lower Upper
99 100
42 20.8 16.6 25.0
71 34.5 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 7.327 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion: 70 Resp: 41152
Ion Ratio Lower Upper
70 100
42 50.9 50.2 75.4
101 0.0 8.1 12.1#
130 2.1 19.3 28.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.051 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

Tgt Ion:136 Resp: 427563

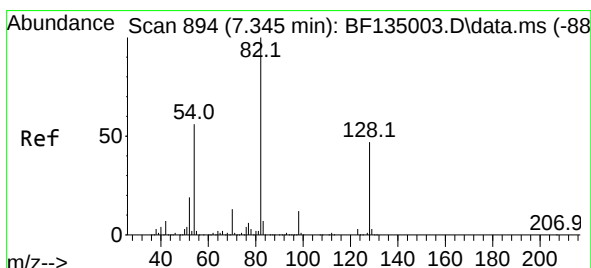
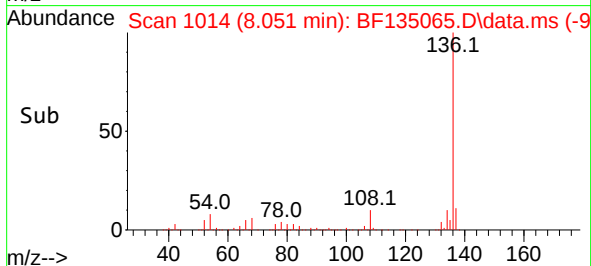
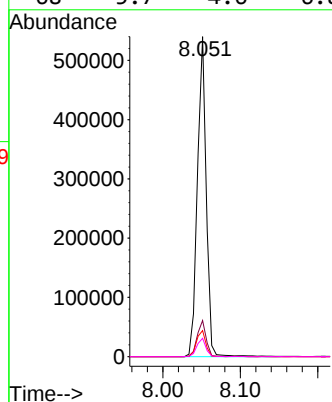
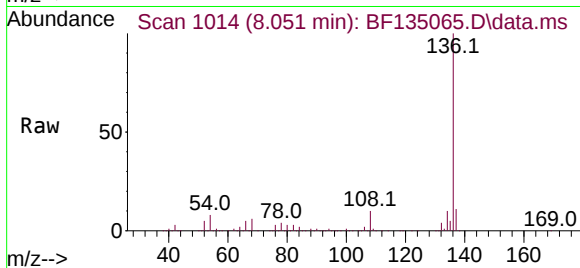
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.1 7.0 10.4

68 5.7 4.6 6.8



#23

Nitrobenzene-d5

Concen: 39.690 ng

RT: 7.334 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

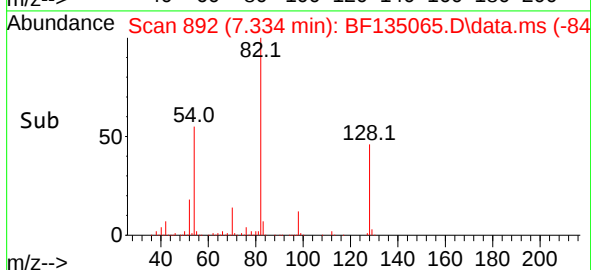
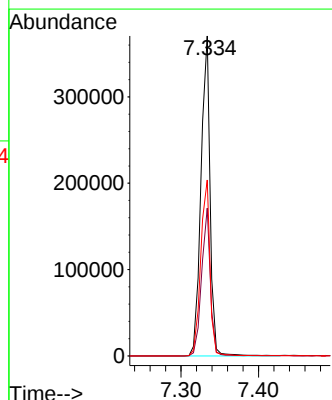
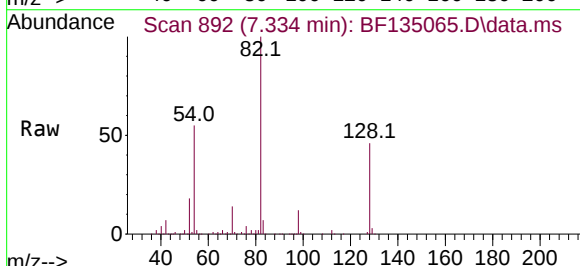
Tgt Ion: 82 Resp: 302059

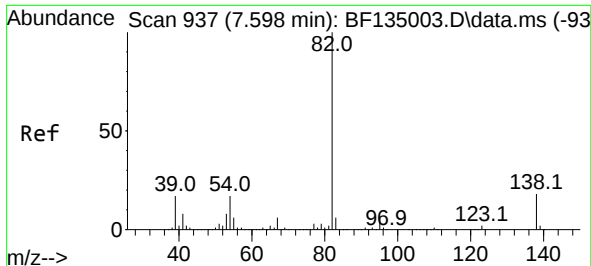
Ion Ratio Lower Upper

82 100

128 46.2 37.8 56.8

54 55.0 45.0 67.6

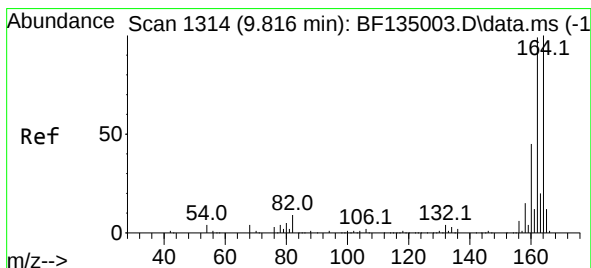
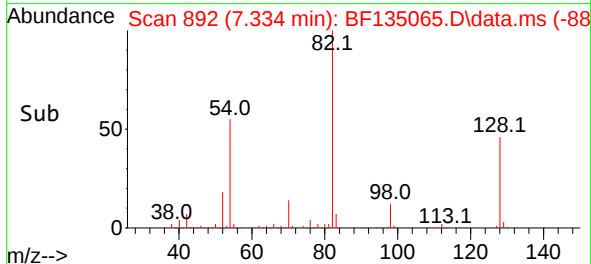
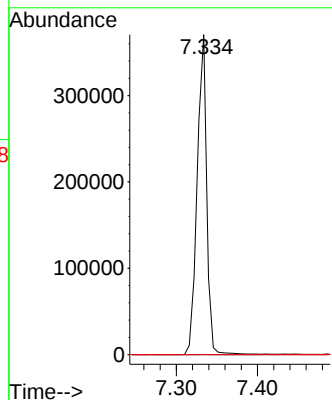
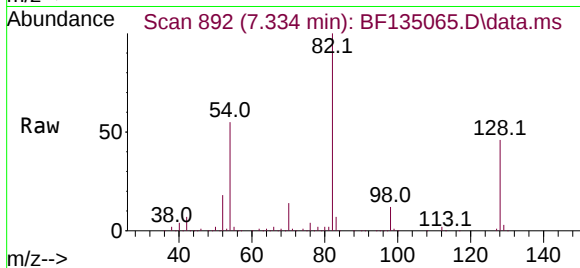




#25
Isophorone
Concen: 20.936 ng
RT: 7.334 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

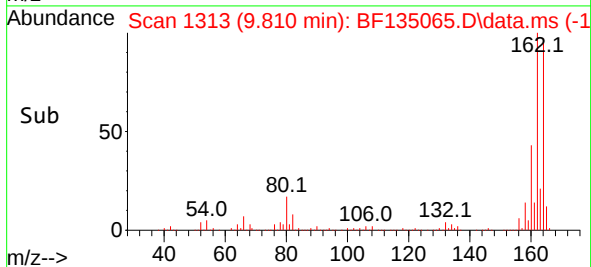
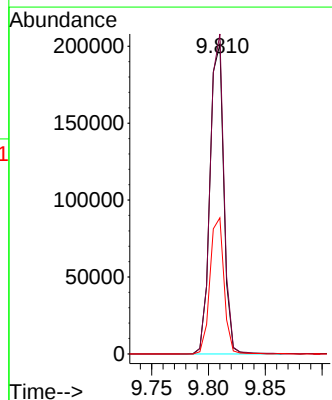
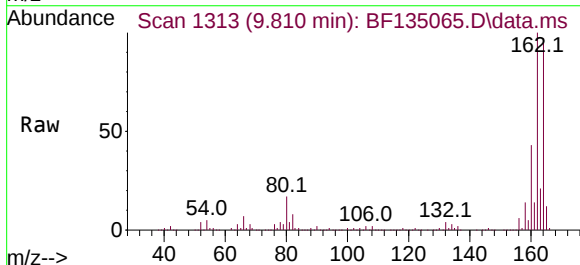
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

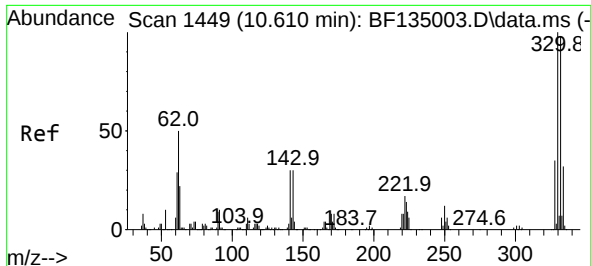
Tgt Ion: 82 Resp: 302097
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:164 Resp: 171405
Ion Ratio Lower Upper
164 100
162 103.3 79.5 119.3
160 43.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 44.933 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

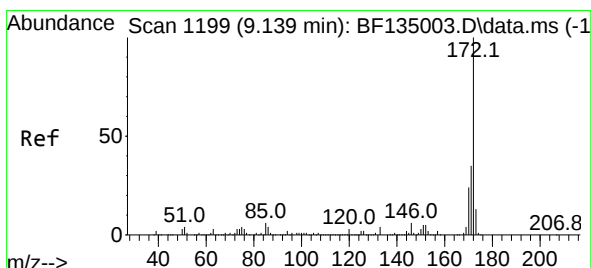
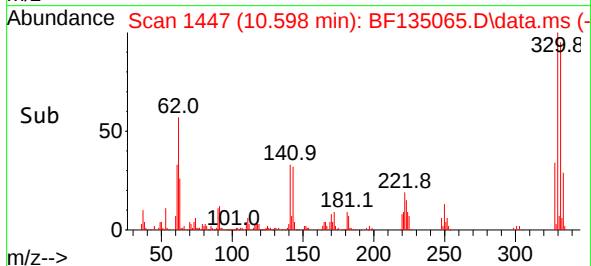
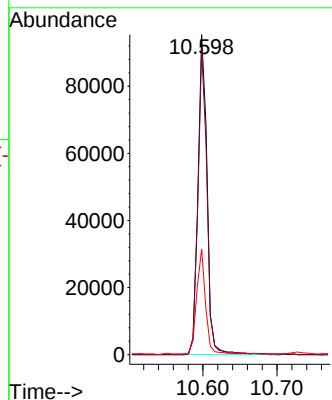
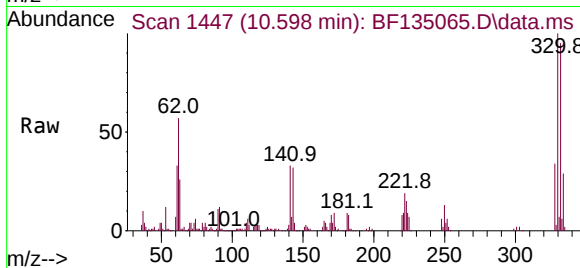
Tgt Ion:330 Resp: 81699

Ion Ratio Lower Upper

330 100

332 93.6 77.6 116.4

141 31.6 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 48.367 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

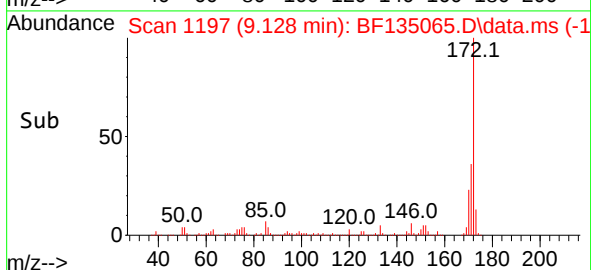
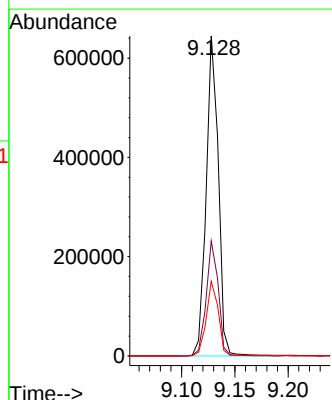
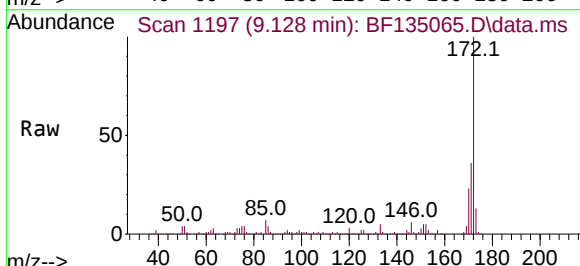
Tgt Ion:172 Resp: 509199

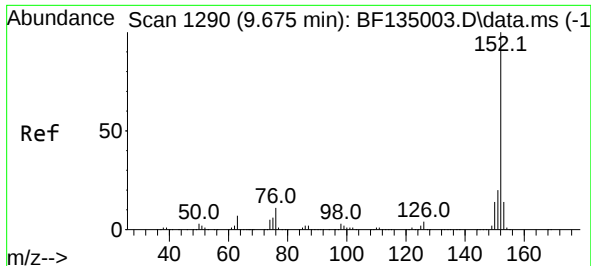
Ion Ratio Lower Upper

172 100

171 35.9 28.2 42.2

170 23.3 19.0 28.4





#49

Acenaphthylene

Concen: 6.038 ng

RT: 9.669 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

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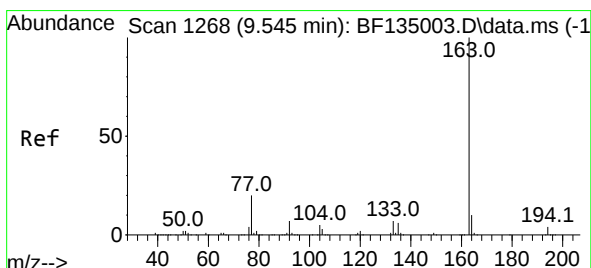
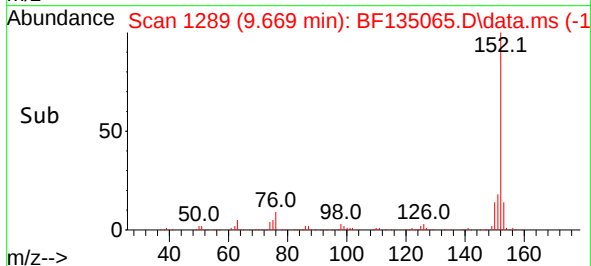
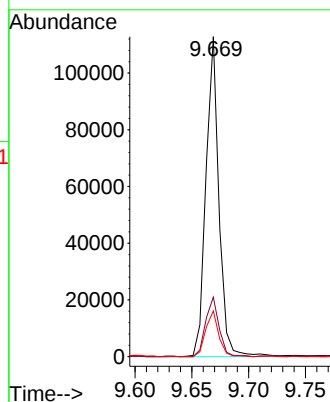
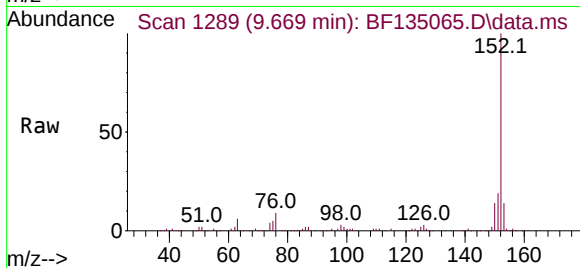
Tgt Ion:152 Resp: 89880

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.4

153 14.3 11.4 17.0



#50

Dimethylphthalate

Concen: 2.945 ng

RT: 9.810 min Scan# 1313

Delta R.T. 0.265 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

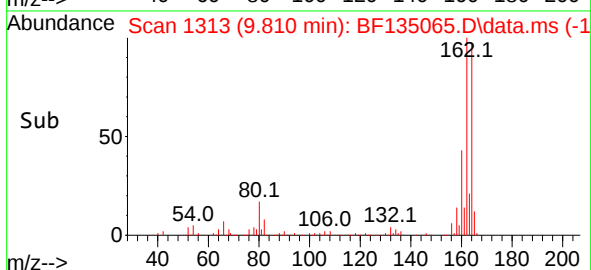
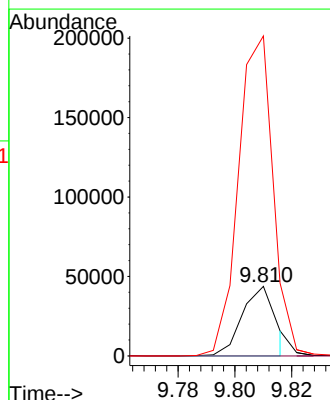
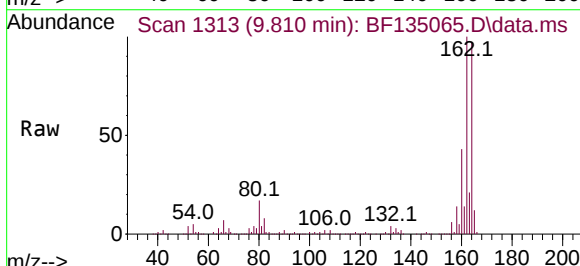
Tgt Ion:163 Resp: 35346

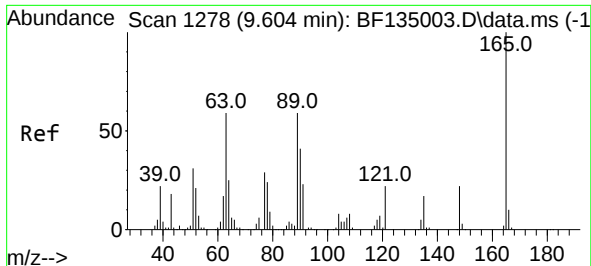
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.6#

164 460.8 8.1 12.1#

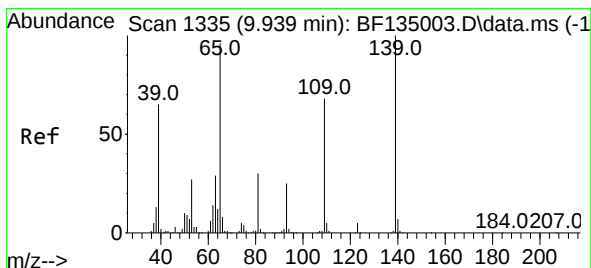
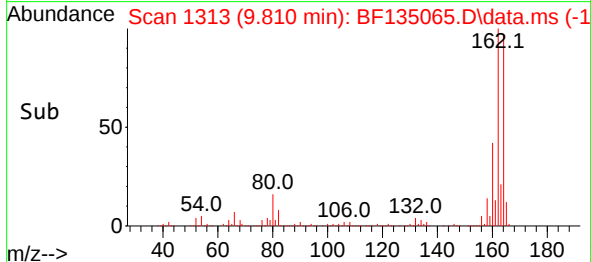
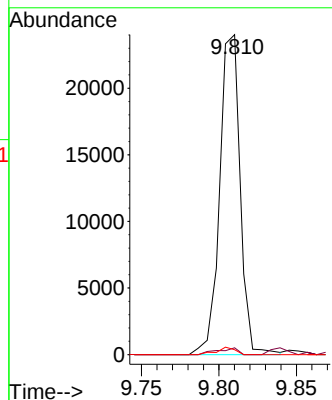
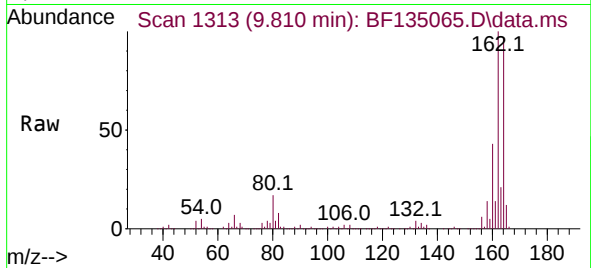




#51
2,6-Dinitrotoluene
Concen: 8.396 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.206 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

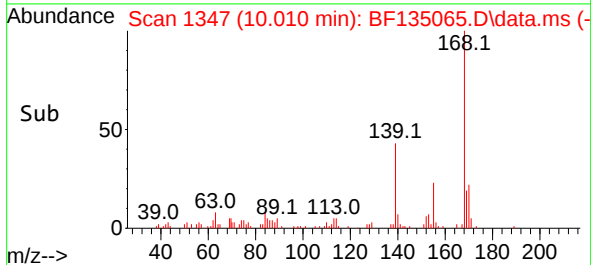
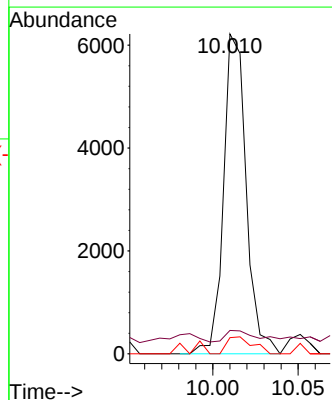
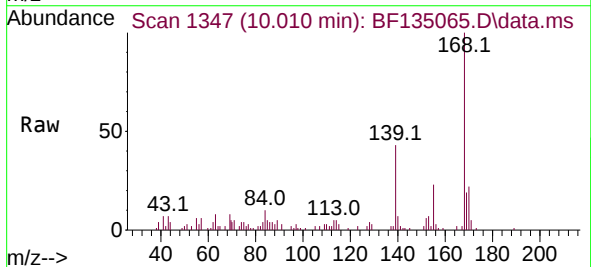
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

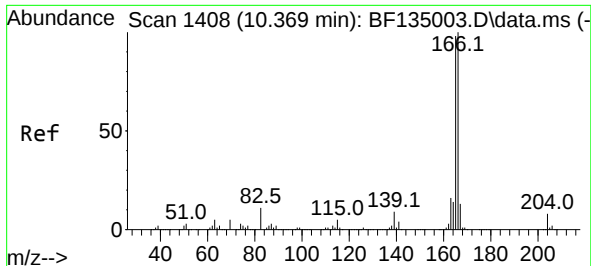
Tgt Ion:165 Resp: 22112
Ion Ratio Lower Upper
165 100
63 2.1 50.4 75.6#
89 1.5 47.1 70.7#



#56
4-Nitrophenol
Concen: 2.664 ng
RT: 10.010 min Scan# 1347
Delta R.T. 0.071 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:139 Resp: 5744
Ion Ratio Lower Upper
139 100
109 7.3 47.7 87.7#
65 5.0 75.9 115.9#

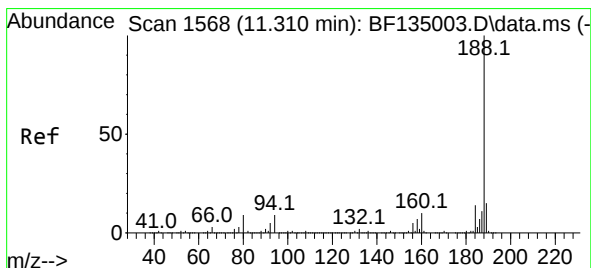
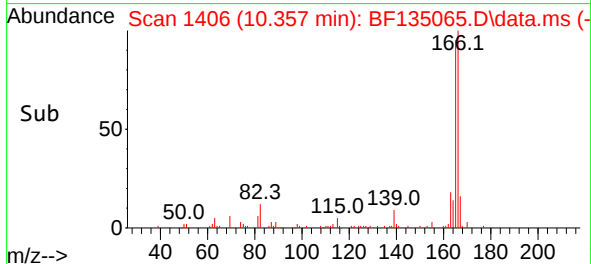
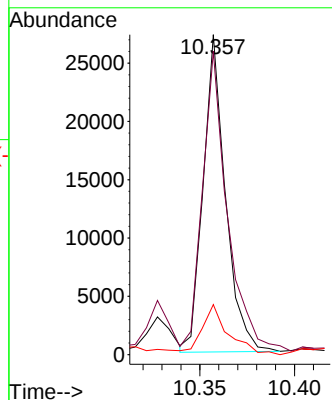
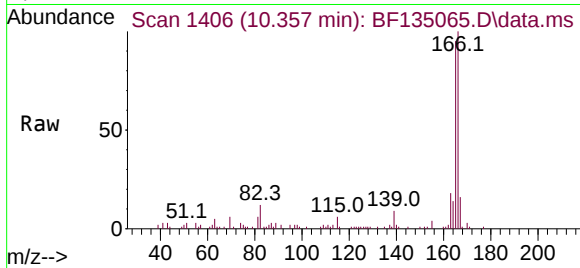




#58
Fluorene
Concen: 2.137 ng
RT: 10.357 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

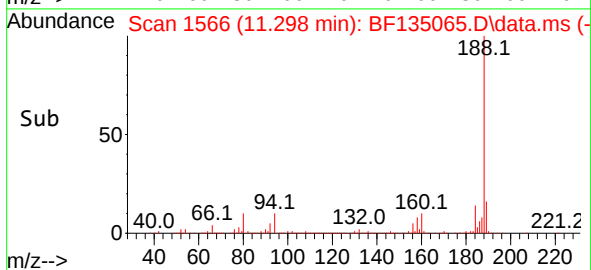
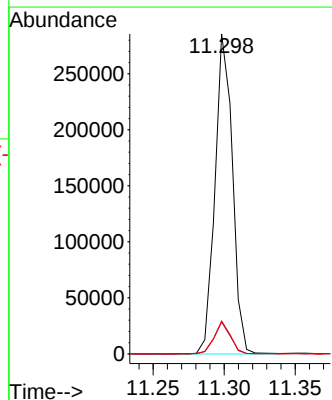
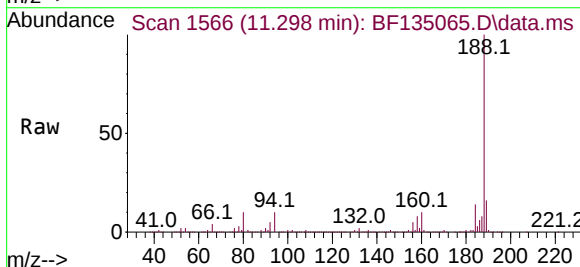
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

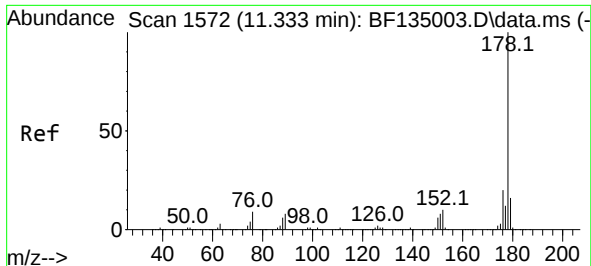
Tgt Ion:166 Resp: 22297
Ion Ratio Lower Upper
166 100
165 94.8 78.0 117.0
167 15.6 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:188 Resp: 244584
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.4
80 10.3 7.4 11.2

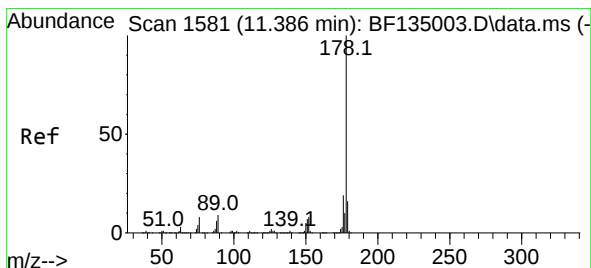
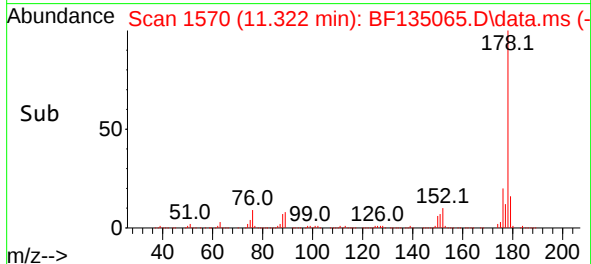
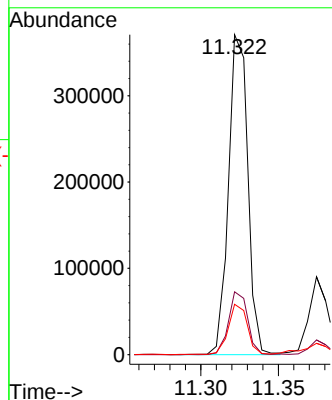
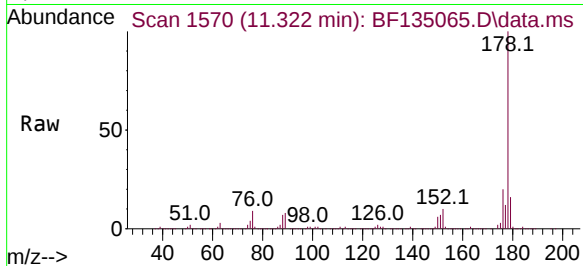




#71
Phenanthrene
Concen: 25.591 ng
RT: 11.322 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

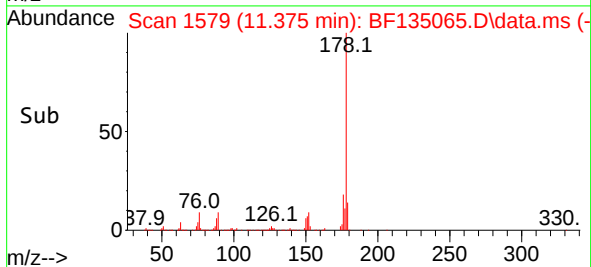
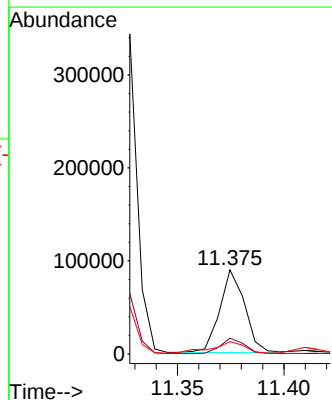
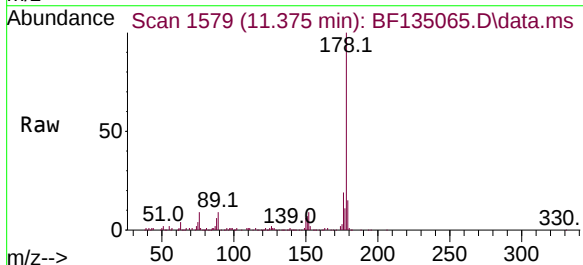
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

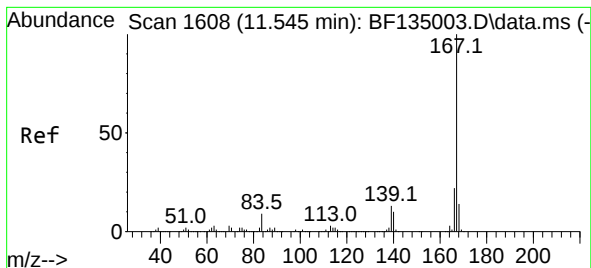
Tgt Ion:178 Resp: 322911
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.7 12.5 18.7



#72
Anthracene
Concen: 5.623 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:178 Resp: 72495
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 14.5 12.8 19.2





#73

Carbazole

Concen: 2.603 ng

RT: 11.533 min Scan# 1606

Delta R.T. -0.012 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

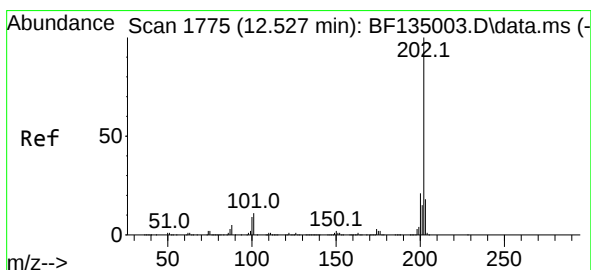
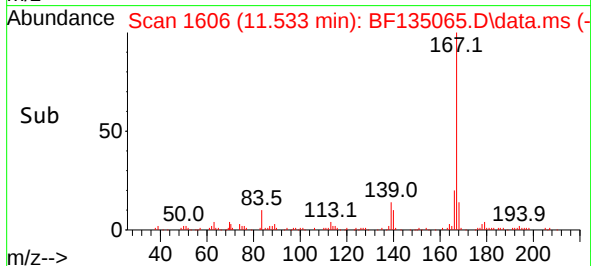
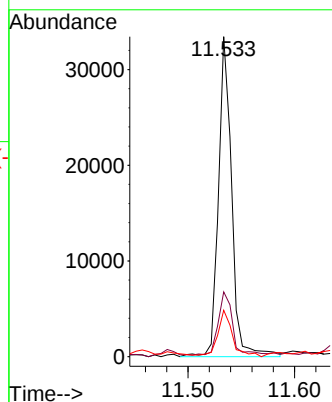
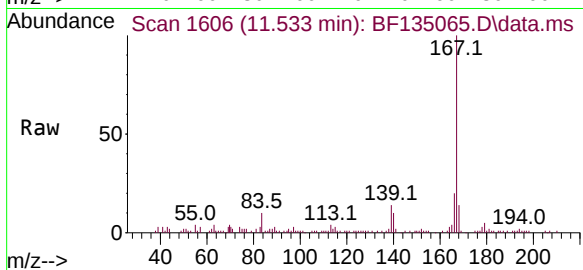
Tgt Ion:167 Resp: 28939

Ion Ratio Lower Upper

167 100

166 20.2 17.4 26.2

139 14.5 10.3 15.5



#75

Fluoranthene

Concen: 50.916 ng

RT: 12.522 min Scan# 1774

Delta R.T. -0.006 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

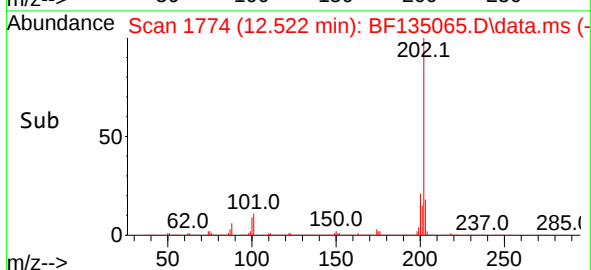
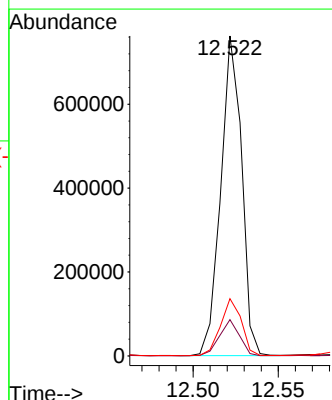
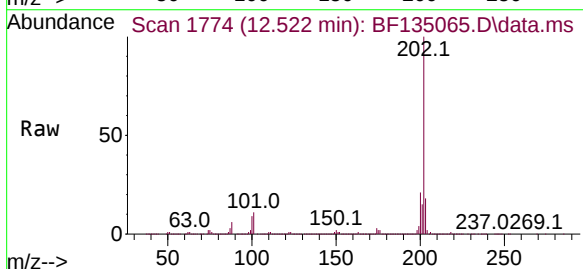
Tgt Ion:202 Resp: 649571

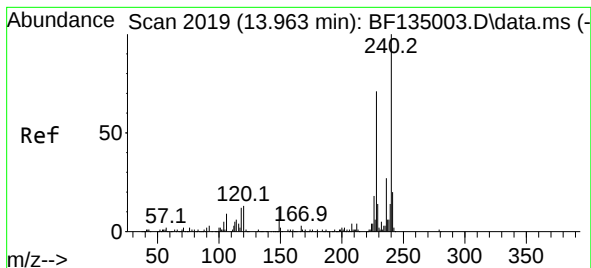
Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.5

203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

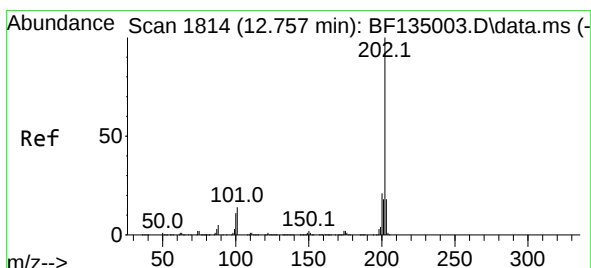
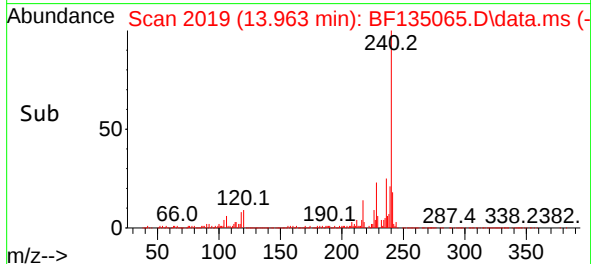
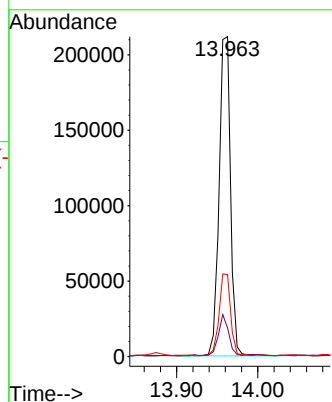
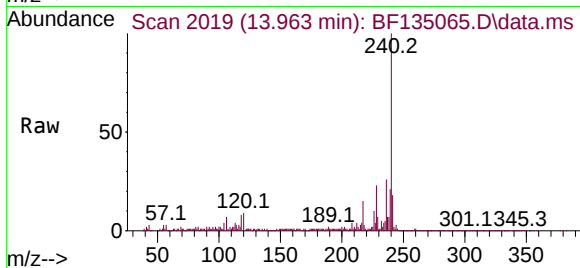
Tgt Ion:240 Resp: 206240

Ion Ratio Lower Upper

240 100

120 9.0 10.2 15.2#

236 25.7 21.3 31.9



#78

Pyrene

Concen: 30.298 ng

RT: 12.751 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

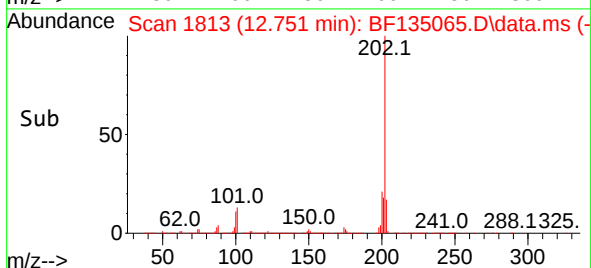
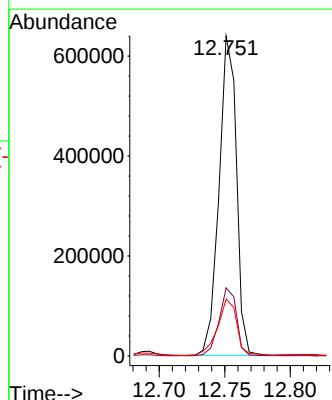
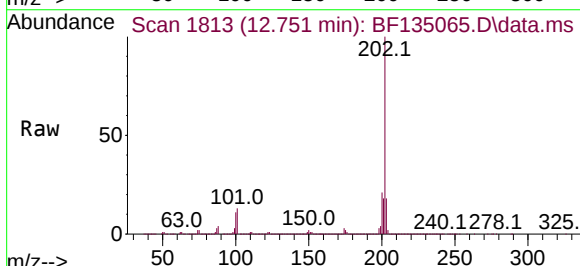
Tgt Ion:202 Resp: 593283

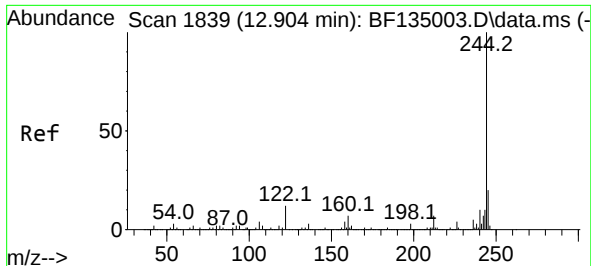
Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.6

203 17.8 14.2 21.2

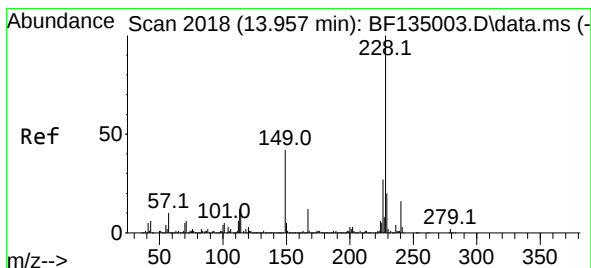
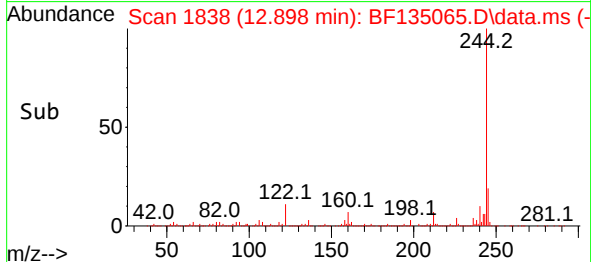
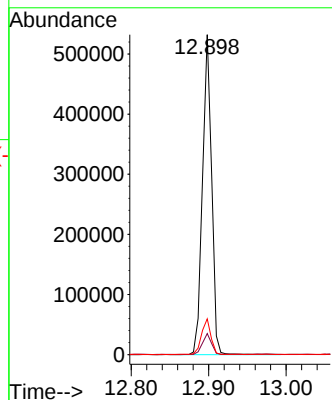
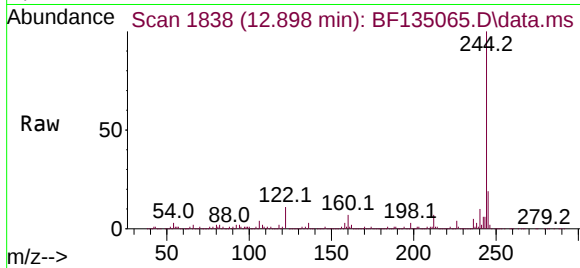




#79
 Terphenyl-d14
 Concen: 34.439 ng
 RT: 12.898 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF135065.D
 Acq: 01 Sep 2023 03:47

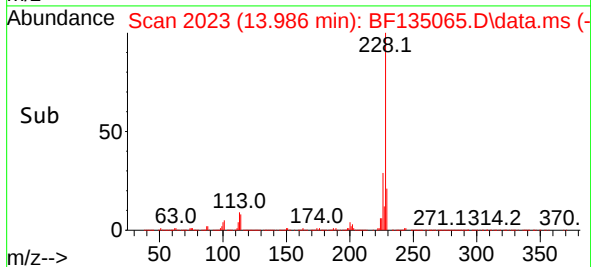
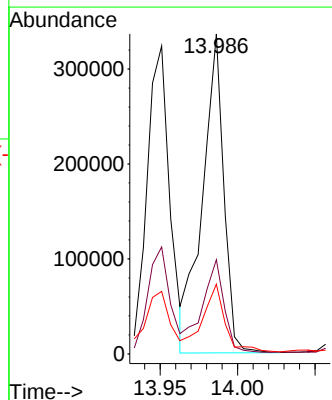
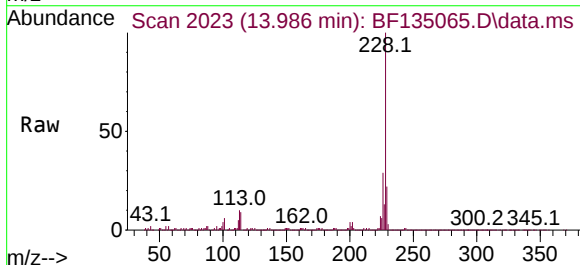
Instrument :
 BNA_F
 ClientSampleId :
 BU-04-082923

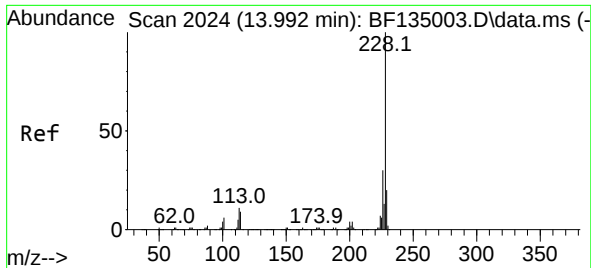
Tgt Ion:244 Resp: 435245
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.6 8.4
 122 11.2 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 23.019 ng
 RT: 13.986 min Scan# 2023
 Delta R.T. 0.030 min
 Lab File: BF135065.D
 Acq: 01 Sep 2023 03:47

Tgt Ion:228 Resp: 323840
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.6 32.4
 229 21.8 15.6 23.4

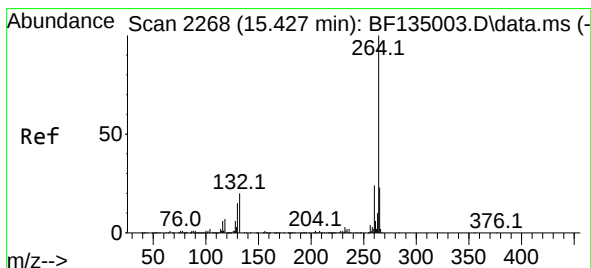
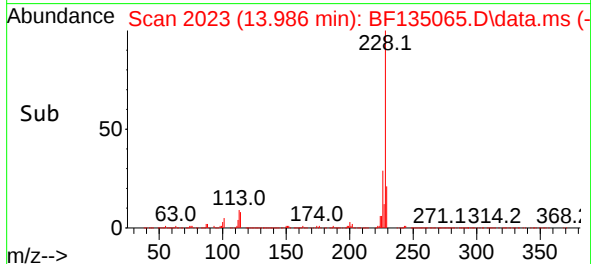
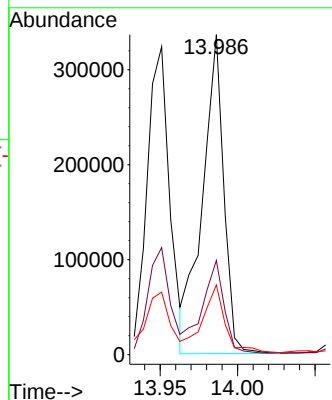
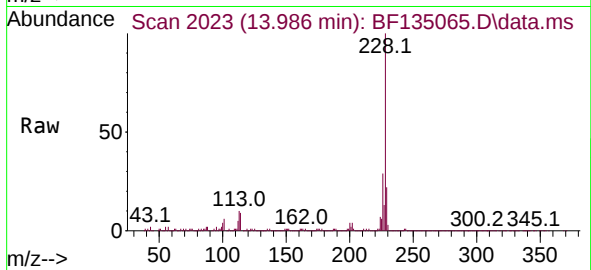




#83
Chrysene
Concen: 23.423 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

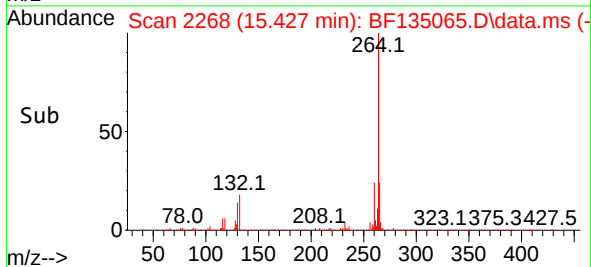
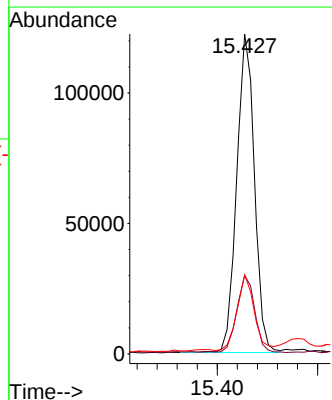
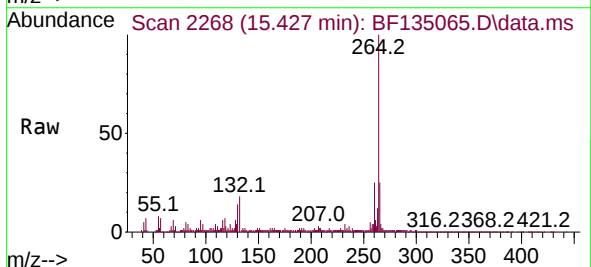
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

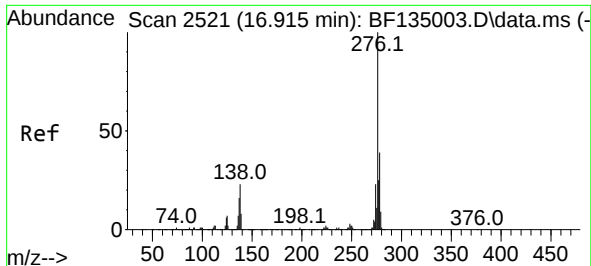
Tgt Ion:228 Resp: 323840
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.4
229 21.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:264 Resp: 149864
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 24.7 18.2 27.2

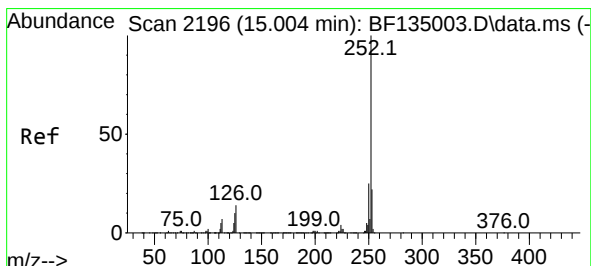
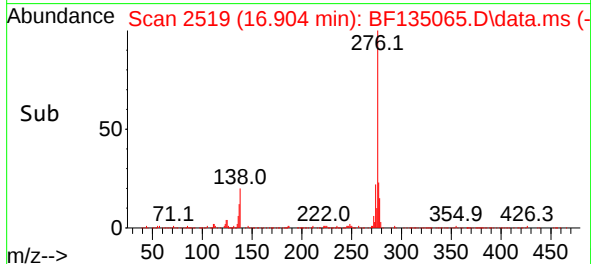
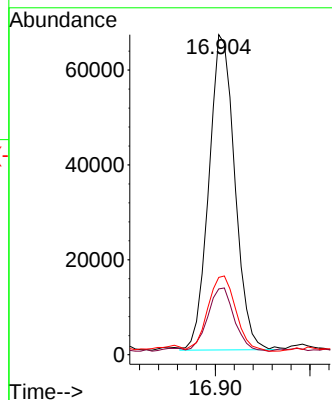
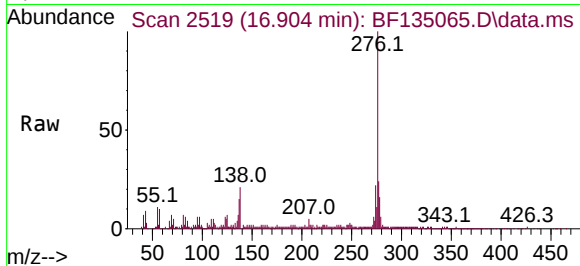




#87
Indeno(1,2,3-cd)pyrene
Concen: 12.531 ng
RT: 16.904 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

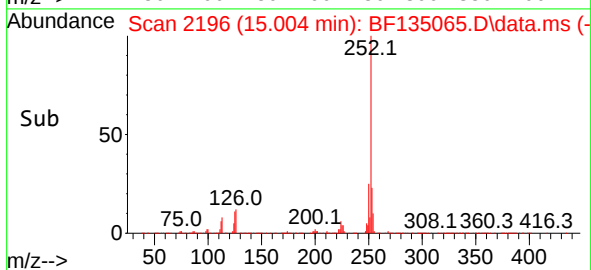
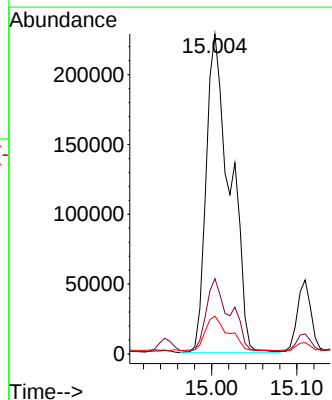
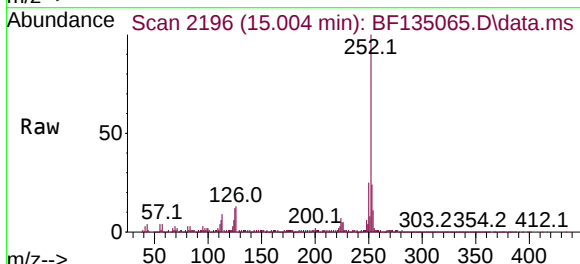
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

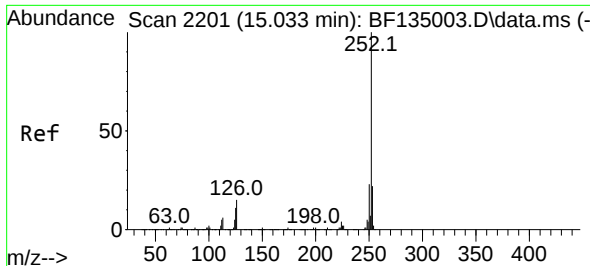
Tgt Ion:276 Resp: 126494
Ion Ratio Lower Upper
276 100
138 20.6 20.2 30.2
277 25.8 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 47.857 ng
RT: 15.004 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:252 Resp: 446259
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 11.8 8.4 12.6

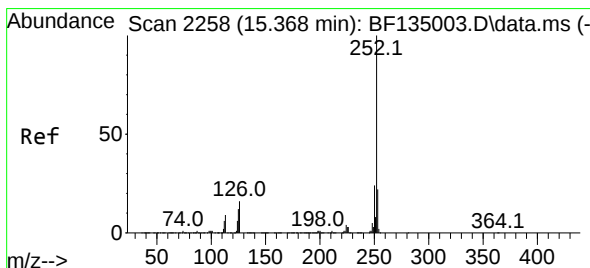
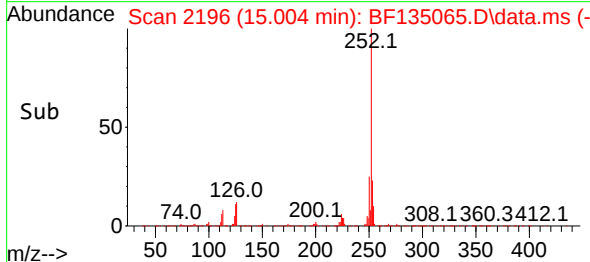
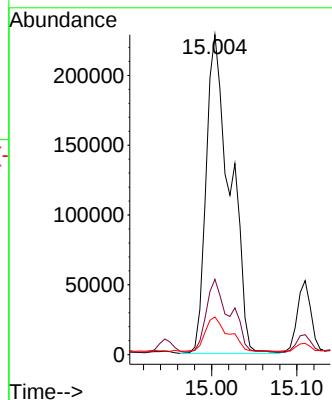
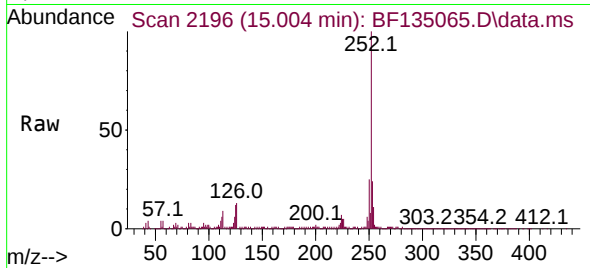




#89
Benzo(k)fluoranthene
Concen: 49.537 ng
RT: 15.004 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

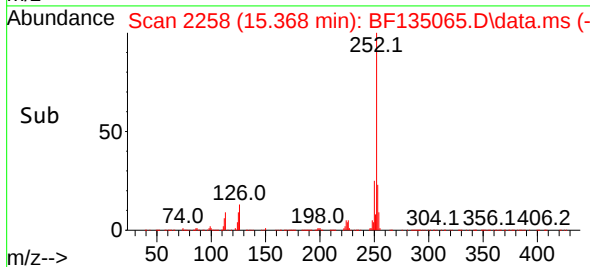
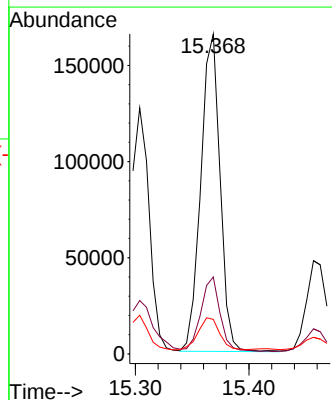
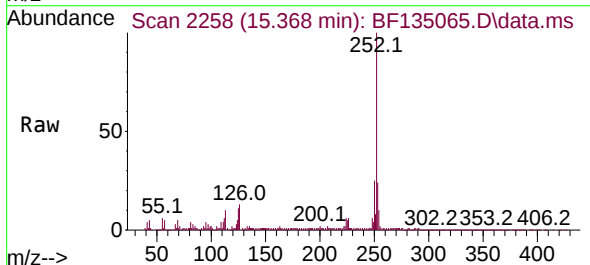
Instrument :
BNA_F
ClientSampleId :
BU-04-082923

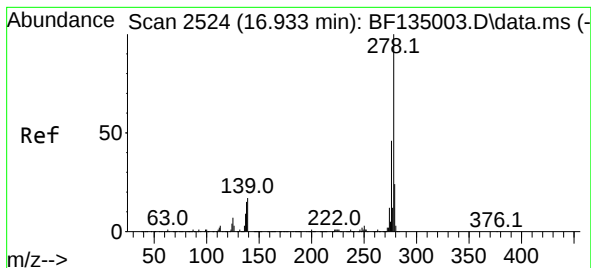
Tgt Ion:252 Resp: 446259
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 11.8 8.5 12.7



#90
Benzo(a)pyrene
Concen: 22.483 ng
RT: 15.368 min Scan# 2258
Delta R.T. 0.000 min
Lab File: BF135065.D
Acq: 01 Sep 2023 03:47

Tgt Ion:252 Resp: 194754
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 10.8 9.5 14.3





#91

Dibenzo(a,h)anthracene

Concen: 2.982 ng

RT: 16.721 min Scan# 2488

Delta R.T. -0.212 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Instrument :

BNA_F

ClientSampleId :

BU-04-082923

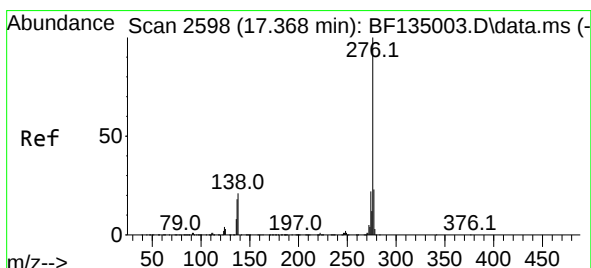
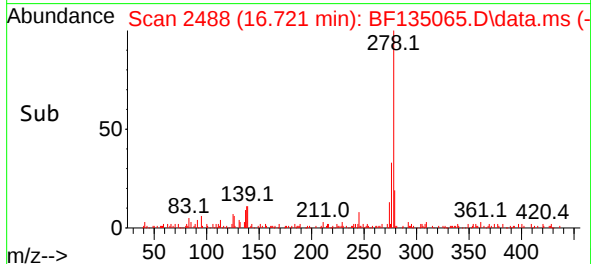
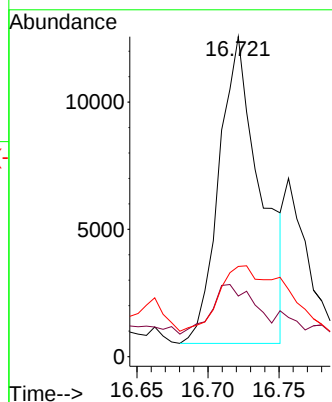
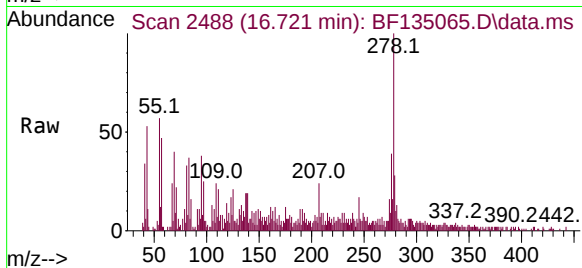
Tgt Ion:278 Resp: 24383

Ion Ratio Lower Upper

278 100

139 18.9 13.4 20.2

279 28.2 19.5 29.3



#92

Benzo(g,h,i)perylene

Concen: 13.864 ng

RT: 17.357 min Scan# 2596

Delta R.T. -0.012 min

Lab File: BF135065.D

Acq: 01 Sep 2023 03:47

Tgt Ion:276 Resp: 117885

Ion Ratio Lower Upper

276 100

277 25.1 18.5 27.7

138 19.4 17.1 25.7

