

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
 Data File : BF134651.D
 Acq On : 07 Aug 2023 13:31
 Operator : CG\JU
 Sample : 03840-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-B-19-(0-5)

Quant Time: Aug 08 01:21:01 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)

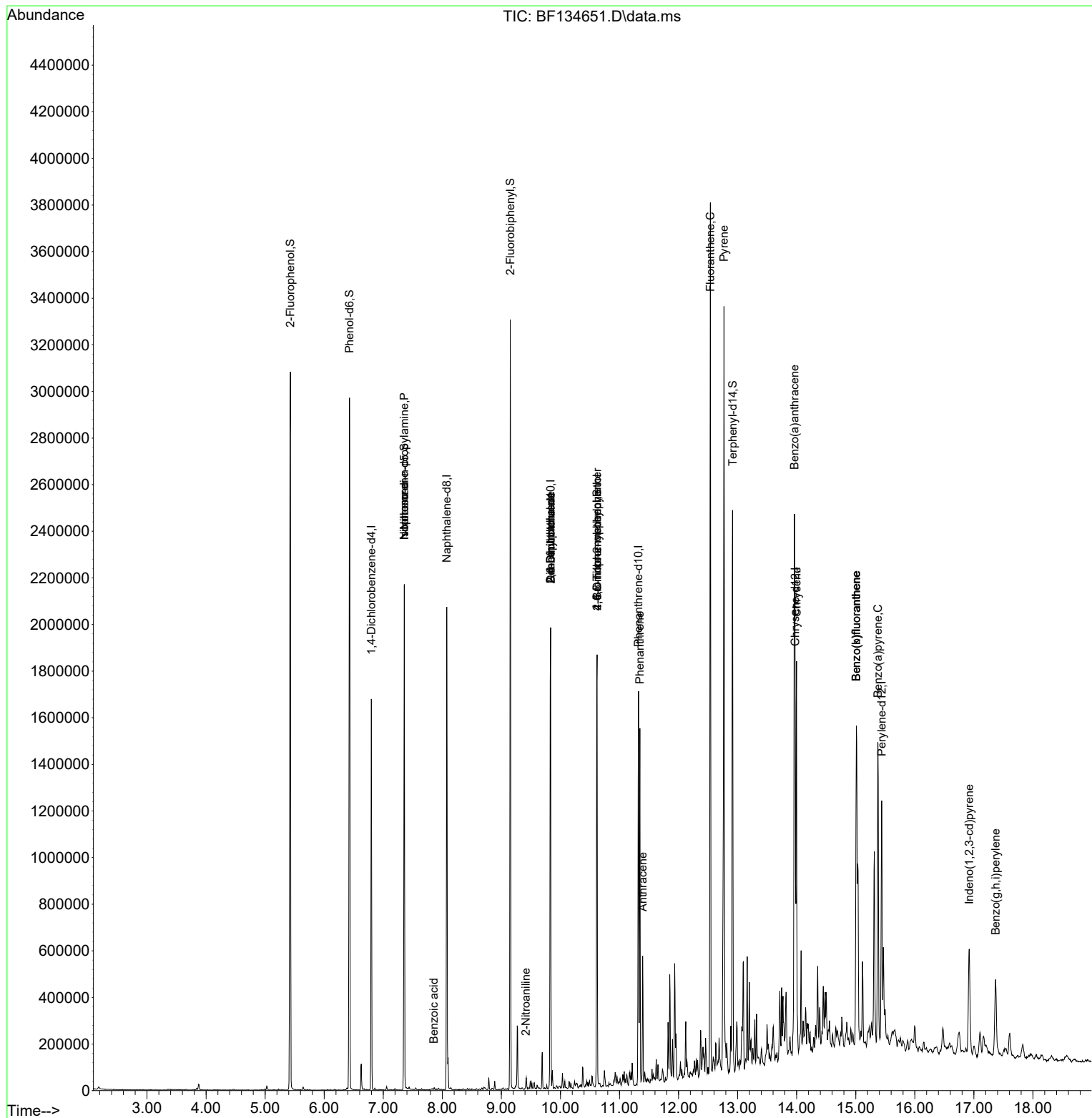
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	218338	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	826115	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	383094	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	599481	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	446390	20.000	ng	0.00
86) Perylene-d12	15.439	264	481598	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	845185	58.843	ng	0.00
7) Phenol-d6	6.428	99	1055166	57.468	ng	-0.01
23) Nitrobenzene-d5	7.357	82	593951	44.930	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	219595	56.230	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	951517	41.297	ng	-0.01
79) Terphenyl-d14	12.916	244	822962	32.500	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.357	77	393	Below Cal	#	74
19) n-Nitroso-di-n-propyla...	7.357	70	82016	7.461	ng	# 74
25) Isophorone	7.357	82	591550	20.517	ng	# 65
32) Benzoic acid	7.857	122	195	7.887	ng	# 42
48) 2-Nitroaniline	9.416	65	128	3.183	ng	# 8
50) Dimethylphthalate	9.833	163	81409	3.118	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	50750	11.489	ng	# 17
57) 2,4-Dinitrotoluene	9.833	165	50750	10.238	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.622	198	564	8.890	ng	# 1
67) 4-Bromophenyl-phenylether	10.622	248	13709	2.089	ng	# 1
71) Phenanthrene	11.345	178	496404	15.590	ng	100
72) Anthracene	11.392	178	184293	5.666	ng	98
75) Fluoranthene	12.539	202	1388622	41.285	ng	96
78) Pyrene	12.769	202	1347924	34.896	ng	96
81) Benzo(a)anthracene	13.963	228	770523	24.140	ng	96
83) Chrysene	13.998	228	667858	21.476	ng	98
87) Indeno(1,2,3-cd)pyrene	16.921	276	311121	10.984	ng	97
88) Benzo(b)fluoranthene	15.010	252	1127733	38.395	ng	# 95
89) Benzo(k)fluoranthene	15.010	252	1127733	38.542	ng	# 97
90) Benzo(a)pyrene	15.374	252	616625	22.516	ng	# 95
92) Benzo(g,h,i)perylene	17.368	276	275043	11.779	ng	# 92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080723\
Data File : BF134651.D
Acq On : 07 Aug 2023 13:31
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Quant Time: Aug 08 01:21:01 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

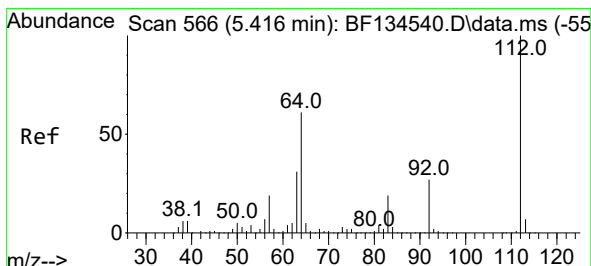
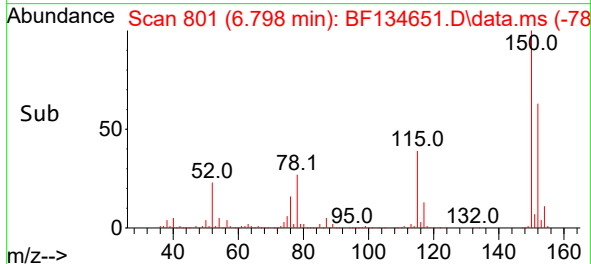
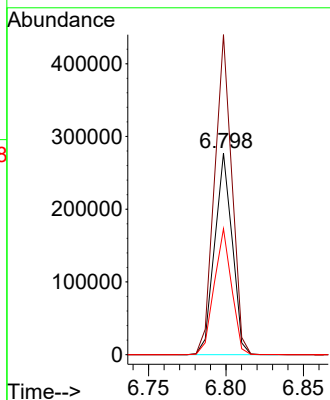
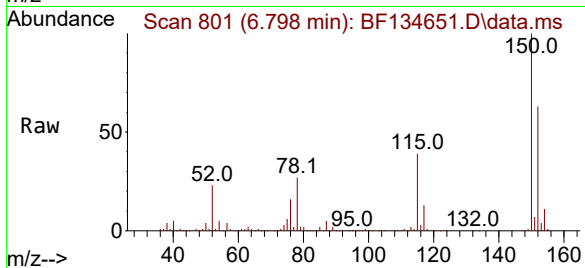




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF134651.D
 Acq: 07 Aug 2023 13:31

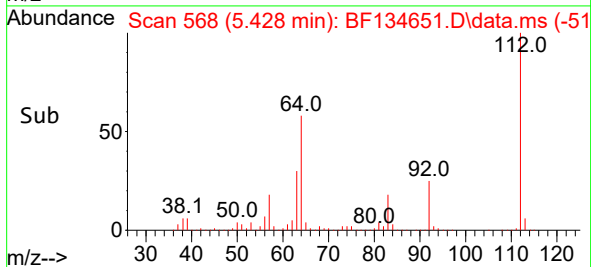
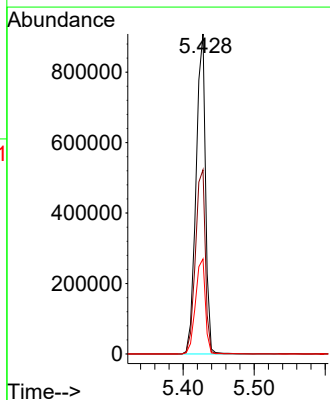
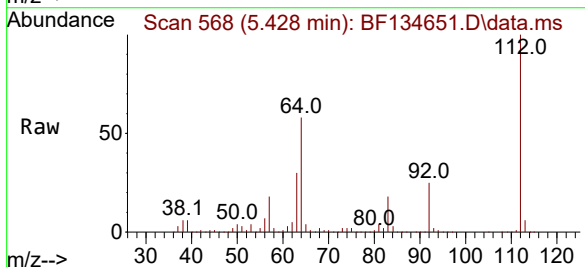
Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-B-19-(0-5)

Tgt Ion:152 Resp: 218338
 Ion Ratio Lower Upper
 152 100
 150 158.7 128.3 192.5
 115 62.4 52.4 78.6



#5
 2-Fluorophenol
 Concen: 58.843 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF134651.D
 Acq: 07 Aug 2023 13:31

Tgt Ion:112 Resp: 845185
 Ion Ratio Lower Upper
 112 100
 64 57.6 44.9 67.3
 63 29.7 25.4 38.0

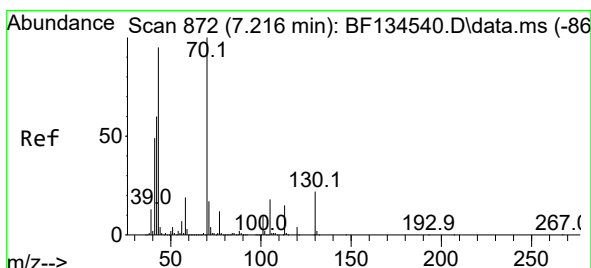
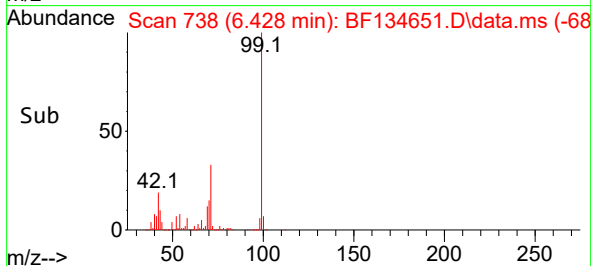
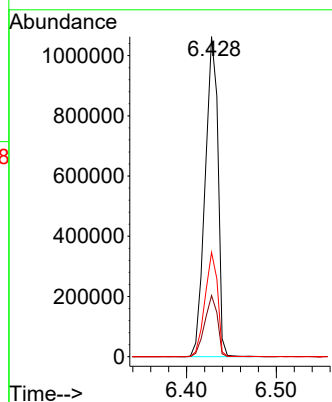
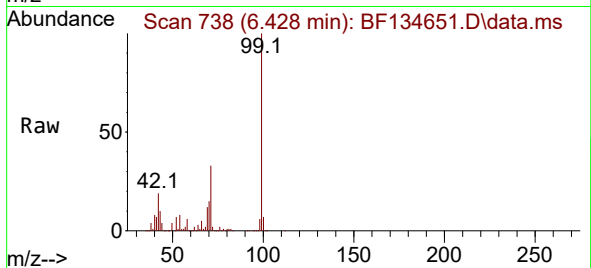




#7
Phenol-d6
Concen: 57.468 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

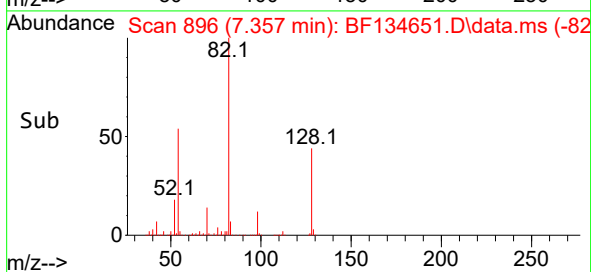
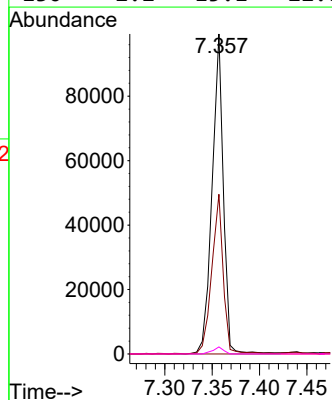
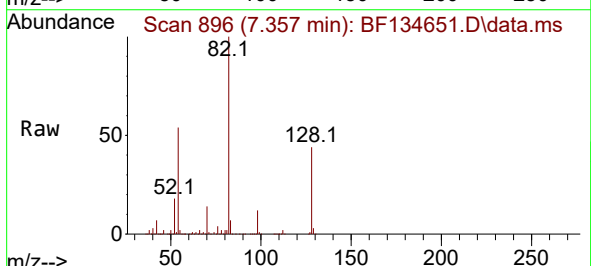
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Tgt Ion: 99 Resp: 1055166
Ion Ratio Lower Upper
99 100
42 19.1 18.7 28.1
71 32.6 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.461 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion: 70 Resp: 82016
Ion Ratio Lower Upper
70 100
42 49.9 54.7 82.1#
101 0.0 8.2 12.2#
130 2.2 15.1 22.7#

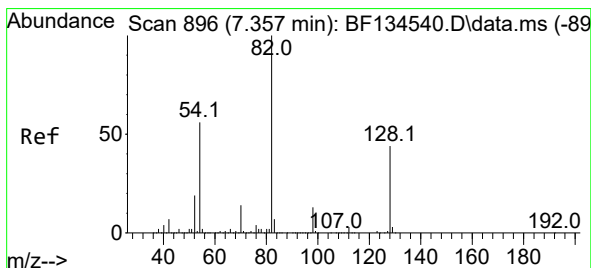
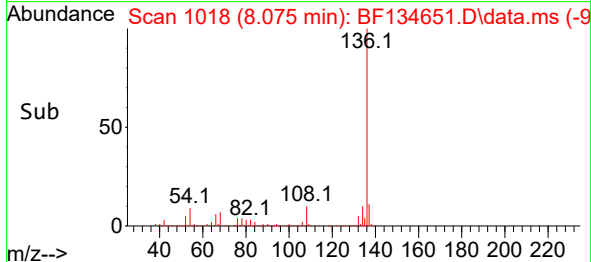
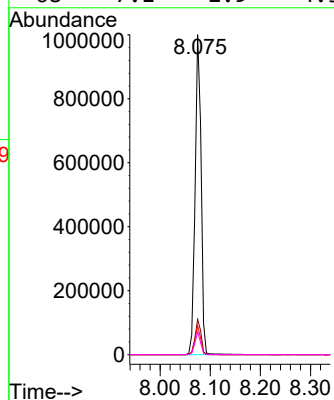
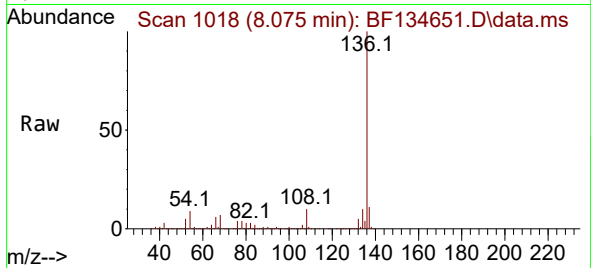




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

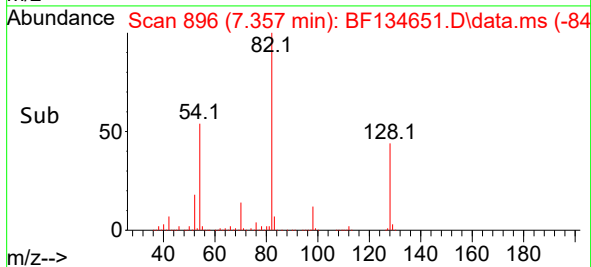
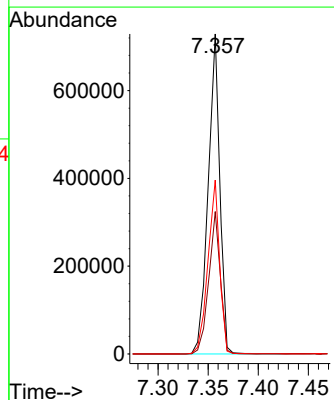
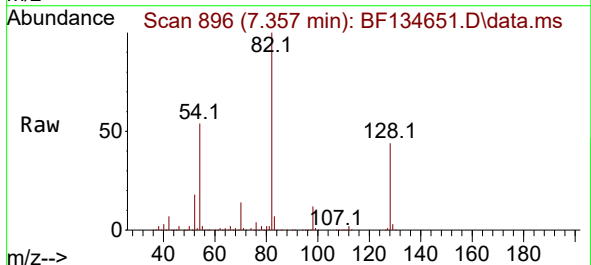
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Tgt Ion:136 Resp: 826115
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 9.0 5.2 7.8#
68 7.1 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 44.930 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion: 82 Resp: 593951
Ion Ratio Lower Upper
82 100
128 44.5 34.3 51.5
54 54.3 43.8 65.6

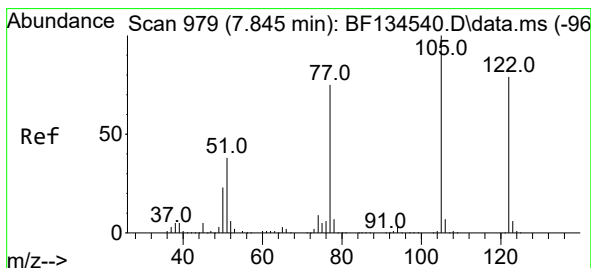
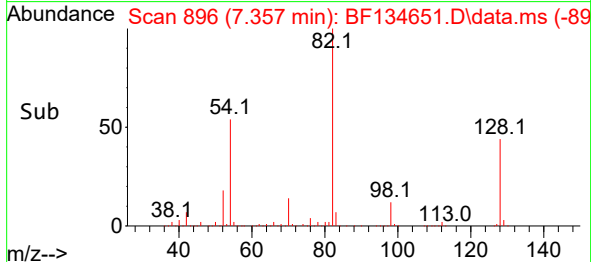
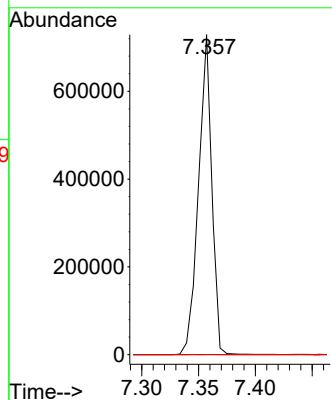
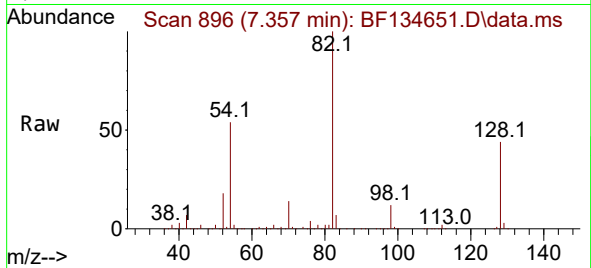




#25
Isophorone
Concen: 20.517 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

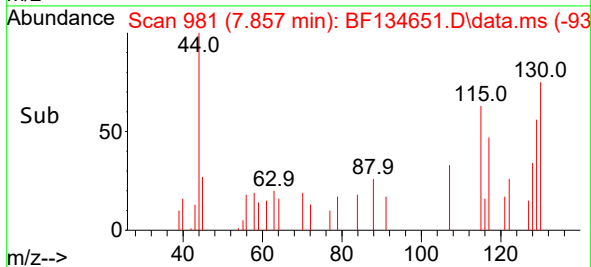
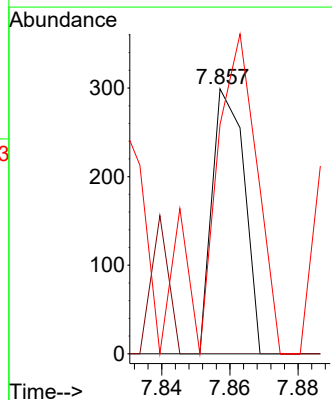
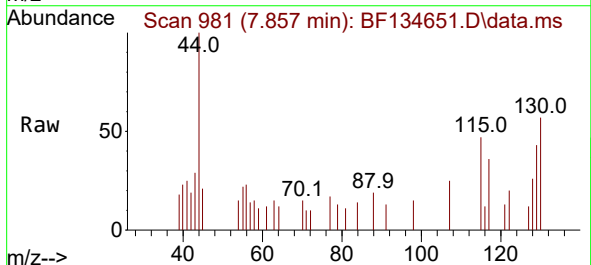
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

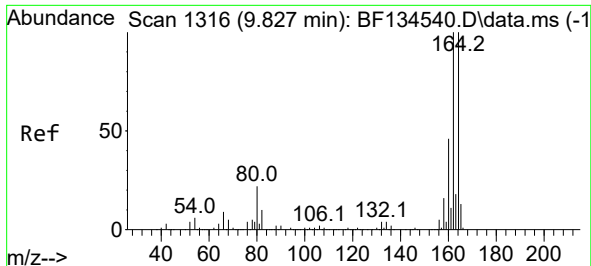
Tgt Ion: 82 Resp: 591550
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.887 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion: 122 Resp: 195
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 86.6 71.4 111.4

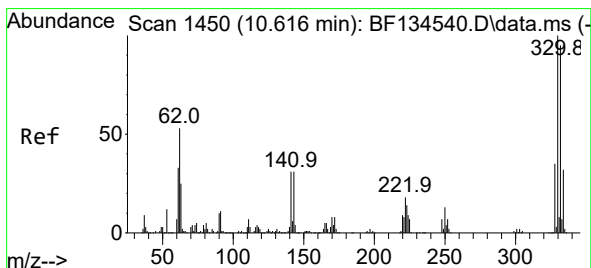
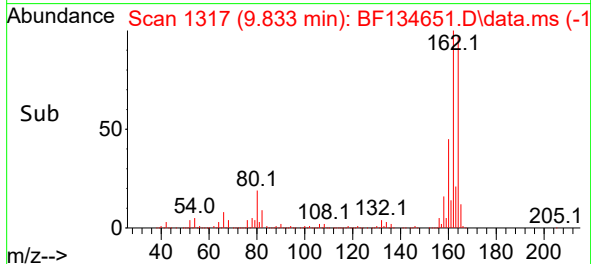
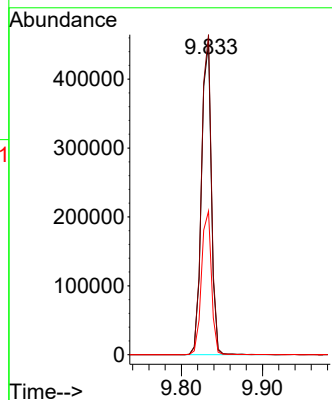
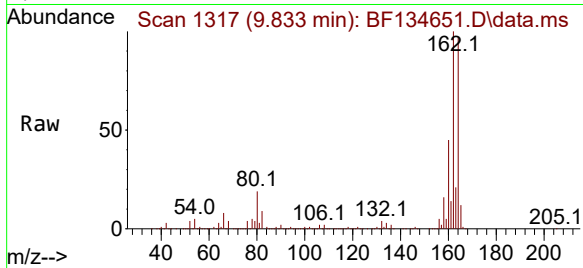




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

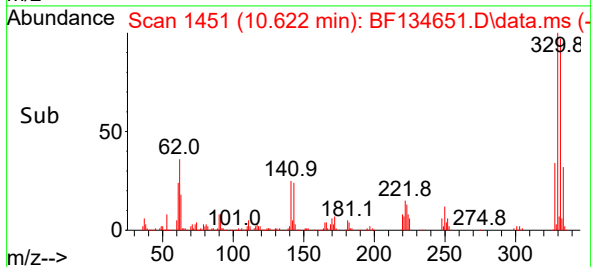
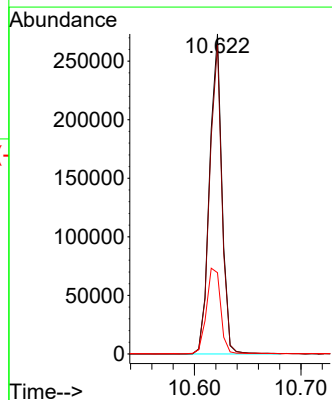
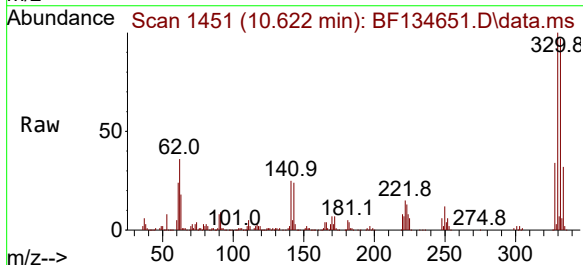
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

Tgt Ion:164 Resp: 383094
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 46.0 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 56.230 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:330 Resp: 219595
Ion Ratio Lower Upper
330 100
332 96.6 78.8 118.2
141 30.8 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 41.297 ng

RT: 9.151 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

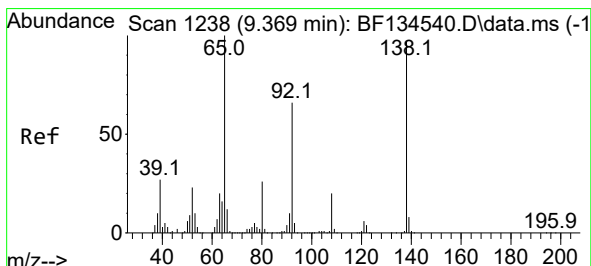
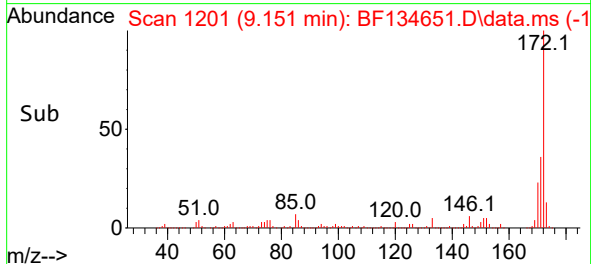
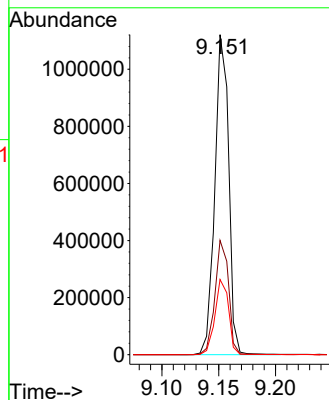
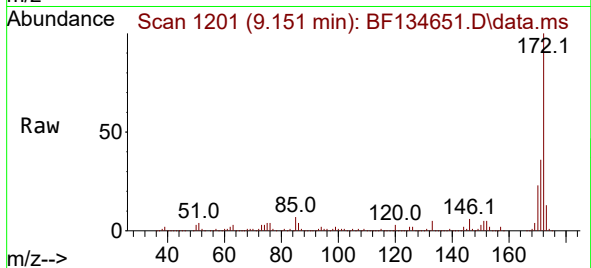
Tgt Ion:172 Resp: 951517

Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.5 18.7 28.1



#48

2-Nitroaniline

Concen: 3.183 ng

RT: 9.416 min Scan# 1246

Delta R.T. 0.035 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

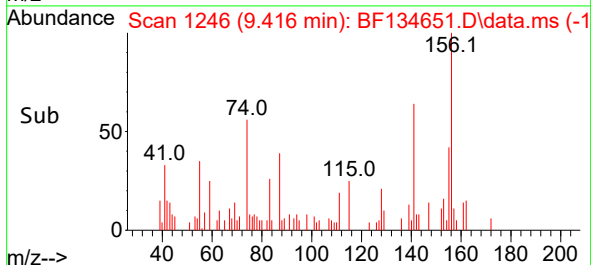
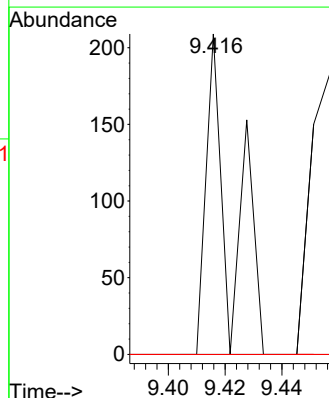
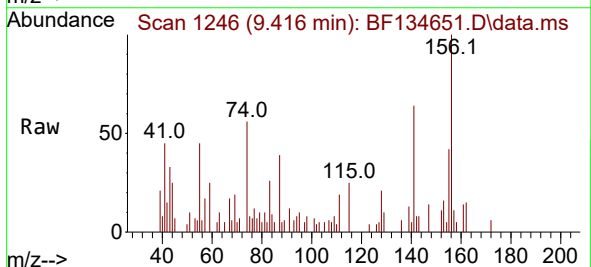
Tgt Ion: 65 Resp: 128

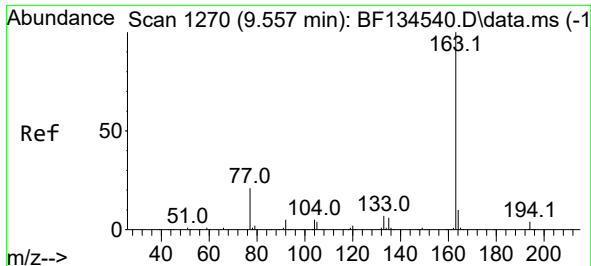
Ion Ratio Lower Upper

65 100

92 0.0 50.7 76.1#

138 0.0 78.2 117.4#

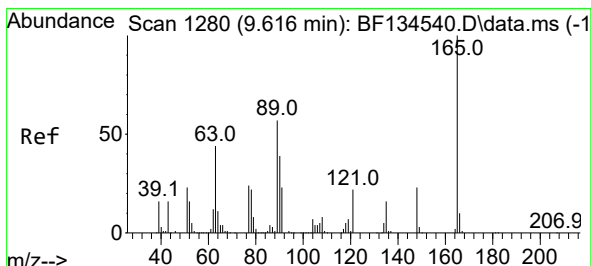
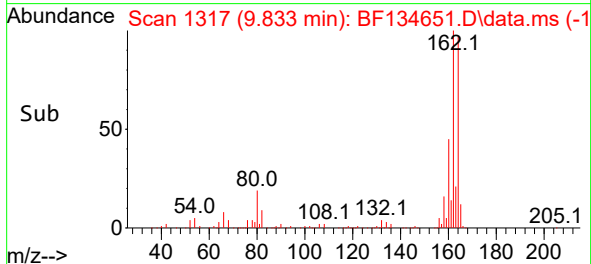
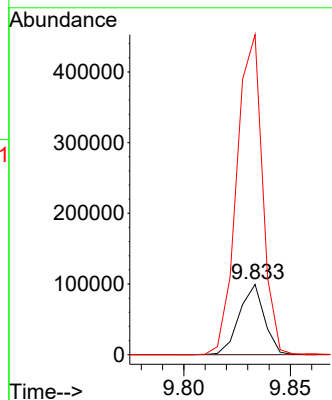
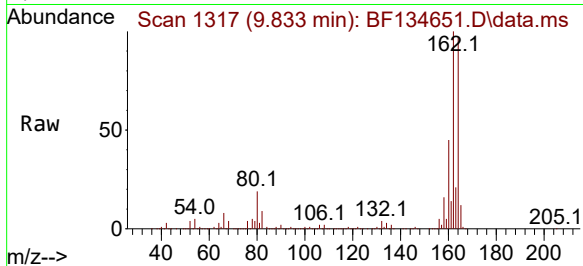




#50
Dimethylphthalate
Concen: 3.118 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

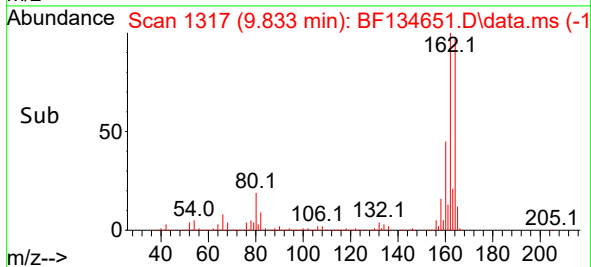
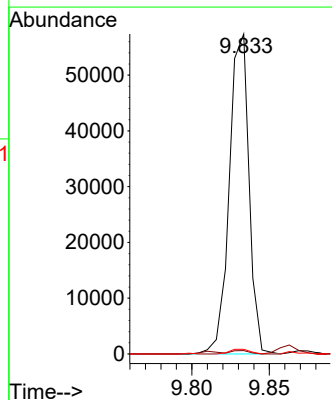
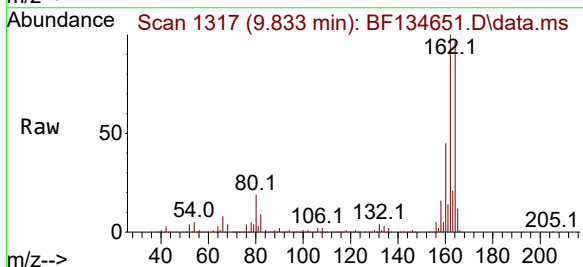
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

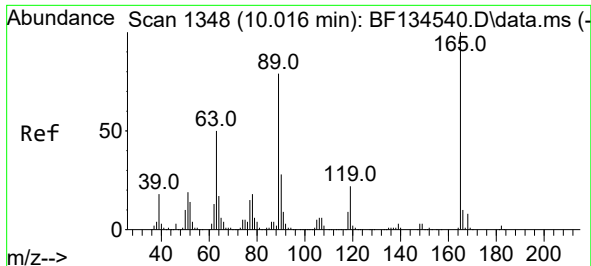
Tgt Ion:163 Resp: 81409
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 455.5 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.489 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:165 Resp: 50750
Ion Ratio Lower Upper
165 100
63 1.0 57.8 86.6#
89 1.4 51.8 77.8#

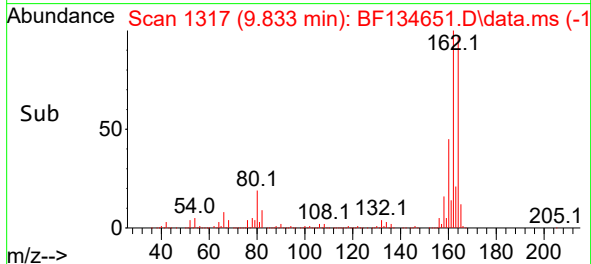
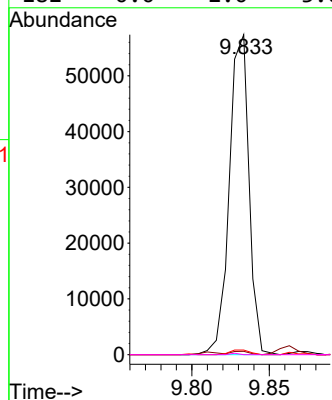
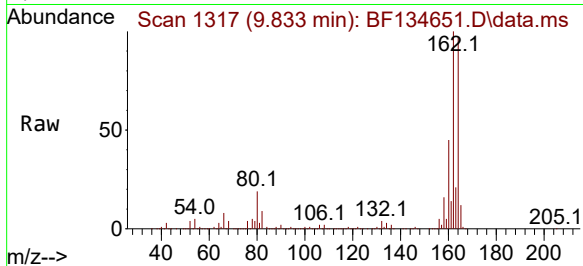




#57
2,4-Dinitrotoluene
Concen: 10.238 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

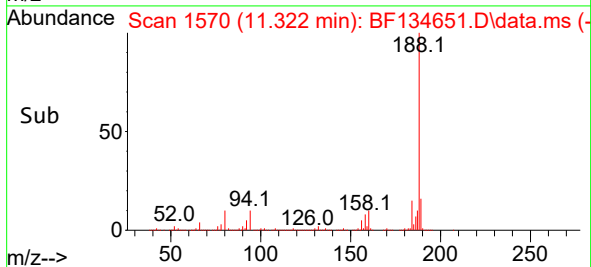
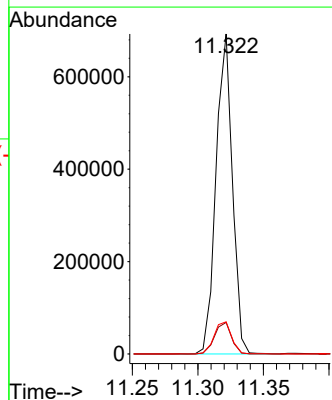
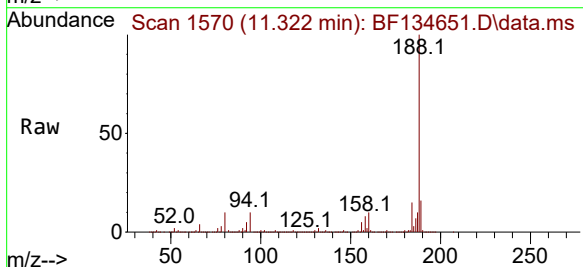
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

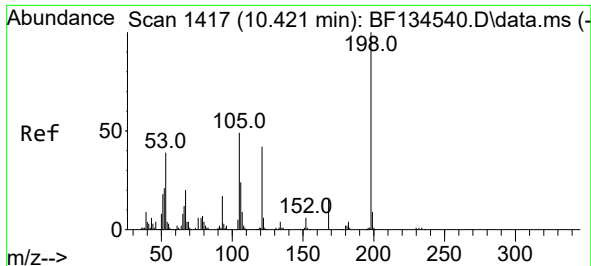
Tgt Ion:165 Resp: 50750
Ion Ratio Lower Upper
165 100
63 1.0 48.9 73.3#
89 1.4 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:188 Resp: 599481
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7#
80 10.1 6.6 9.8#

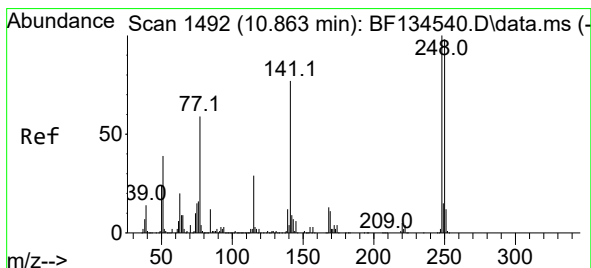
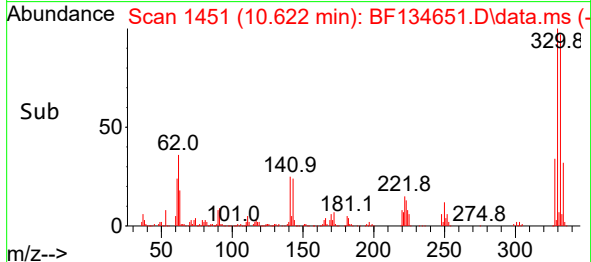
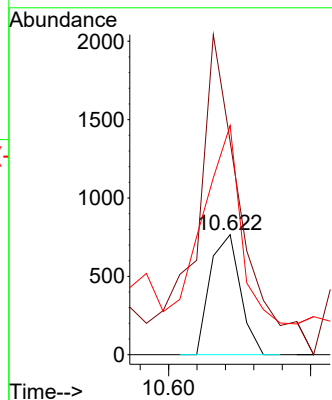
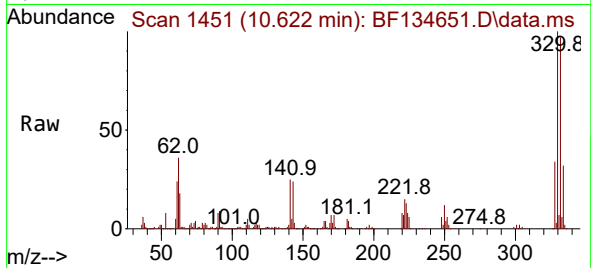




#65
4,6-Dinitro-2-methylphenol
Concen: 8.890 ng
RT: 10.622 min Scan# 1417
Delta R.T. 0.182 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

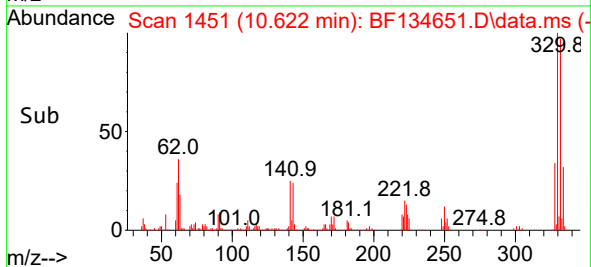
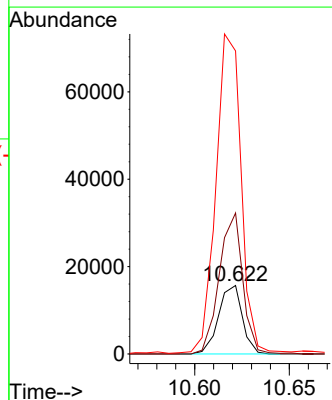
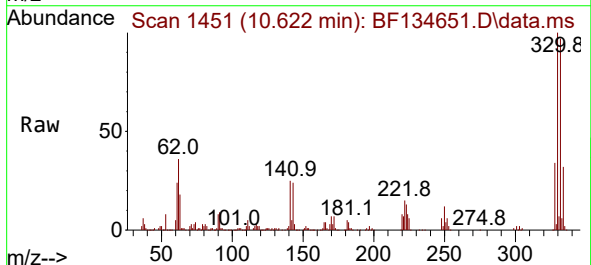
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

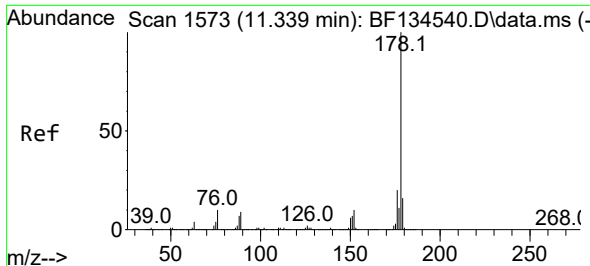
Tgt Ion:198 Resp: 564
Ion Ratio Lower Upper
198 100
51 177.7 38.6 78.6#
105 190.9 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.089 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:248 Resp: 13709
Ion Ratio Lower Upper
248 100
250 205.9 79.6 119.4#
141 442.6 59.6 89.4#

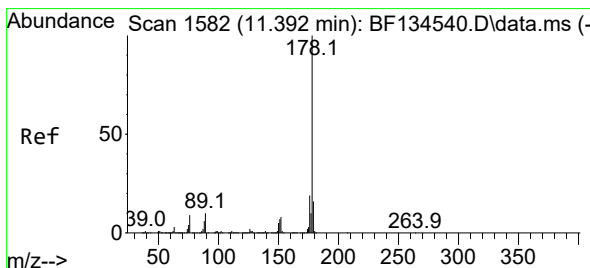
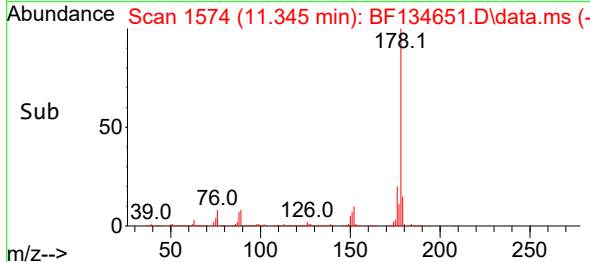
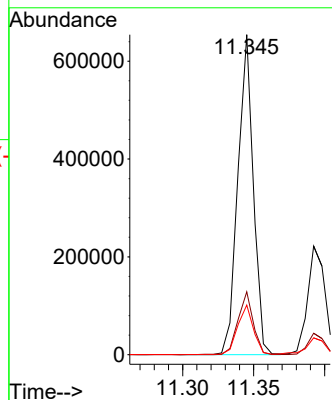
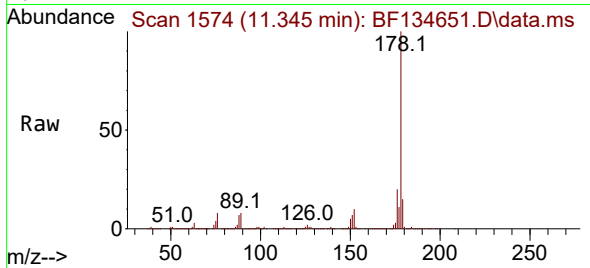




#71
Phenanthrene
Concen: 15.590 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

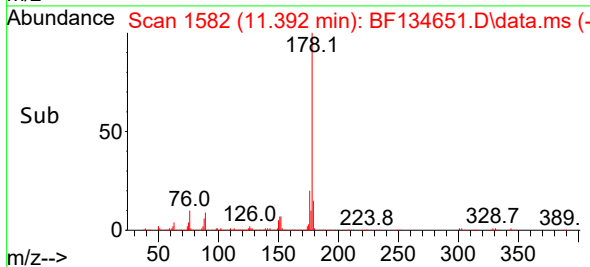
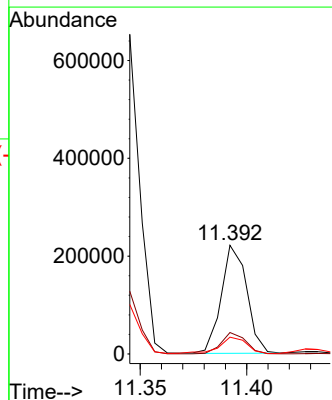
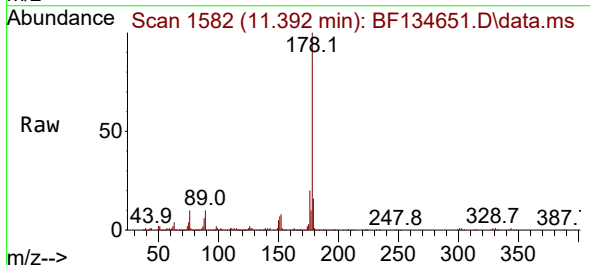
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

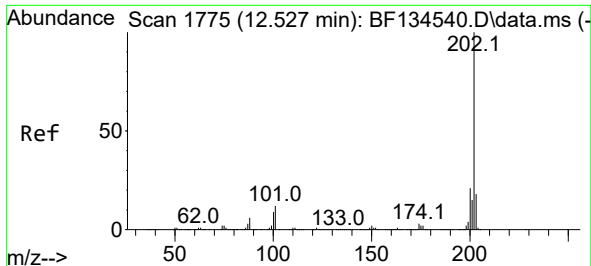
Tgt Ion:178 Resp: 496404
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.5 12.7 19.1



#72
Anthracene
Concen: 5.666 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:178 Resp: 184293
Ion Ratio Lower Upper
178 100
176 19.7 14.6 21.8
179 15.5 12.3 18.5

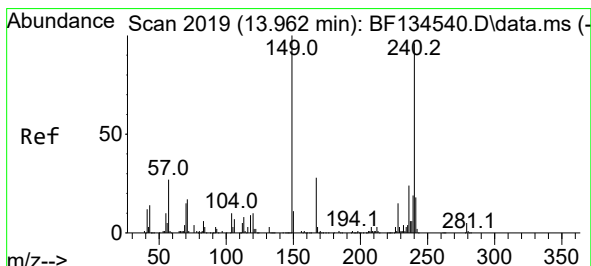
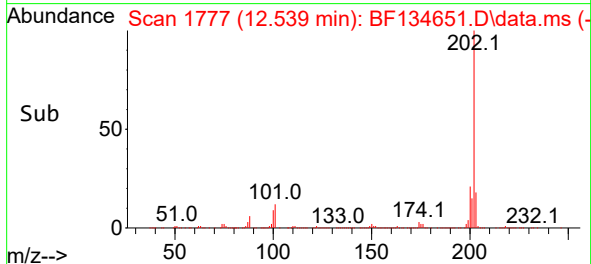
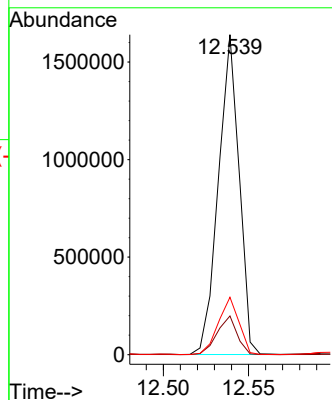
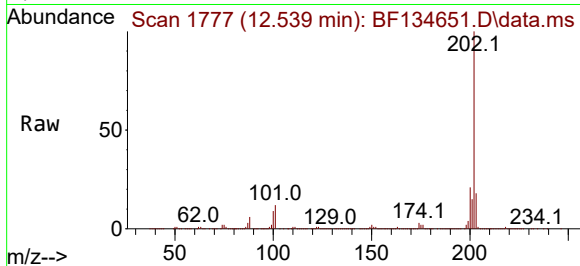




#75
Fluoranthene
Concen: 41.285 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

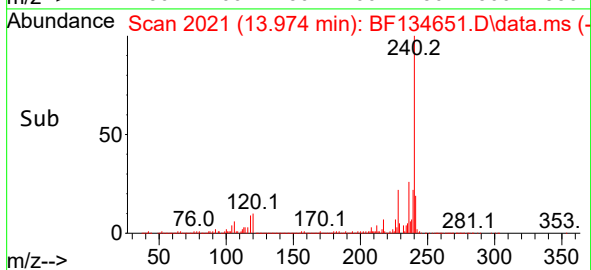
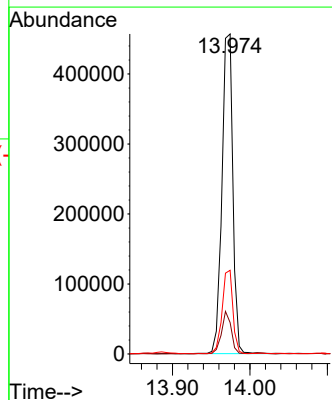
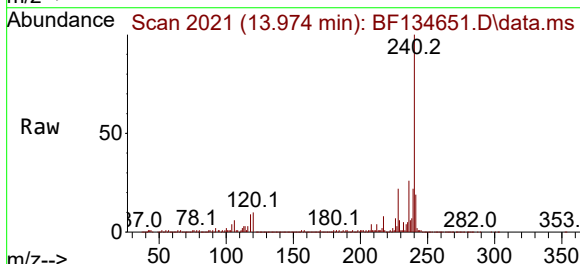
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

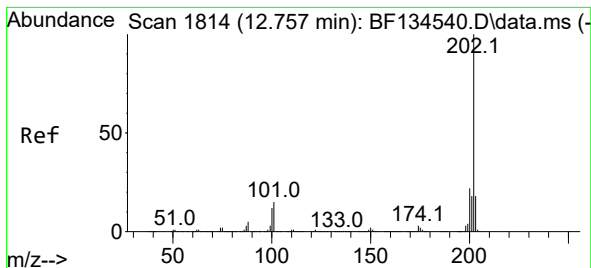
Tgt Ion:202 Resp: 1388622
Ion Ratio Lower Upper
202 100
101 12.1 0.0 28.5
203 18.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:240 Resp: 446390
Ion Ratio Lower Upper
240 100
120 9.8 6.6 10.0
236 26.2 20.2 30.2





#78

Pyrene

Concen: 34.896 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

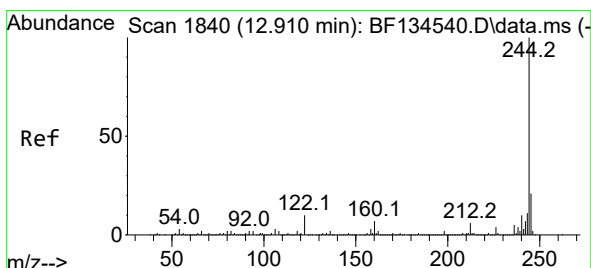
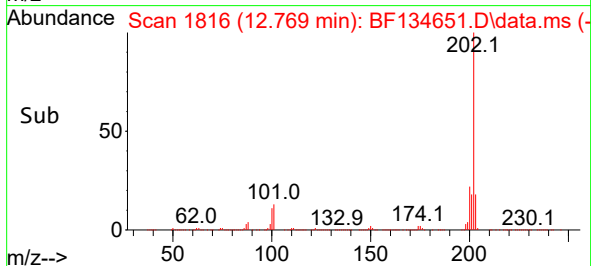
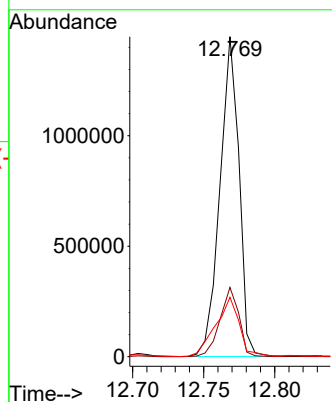
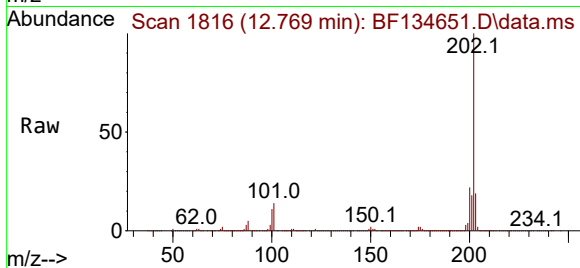
Tgt Ion:202 Resp: 1347924

Ion Ratio Lower Upper

202 100

200 21.7 15.8 23.8

203 18.5 13.5 20.3



#79

Terphenyl-d14

Concen: 32.500 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

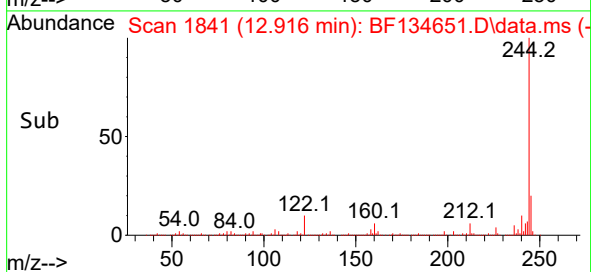
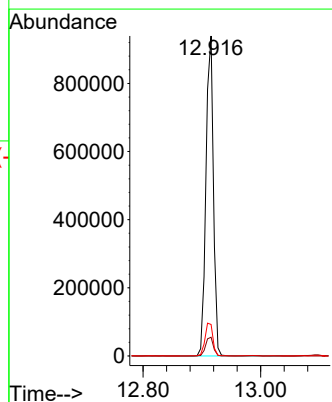
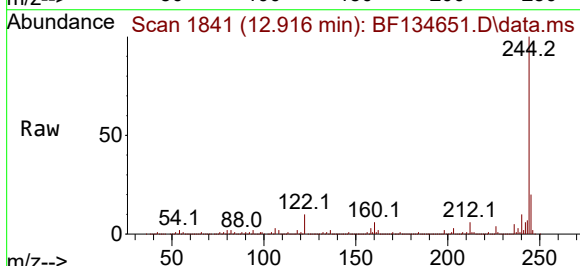
Tgt Ion:244 Resp: 822962

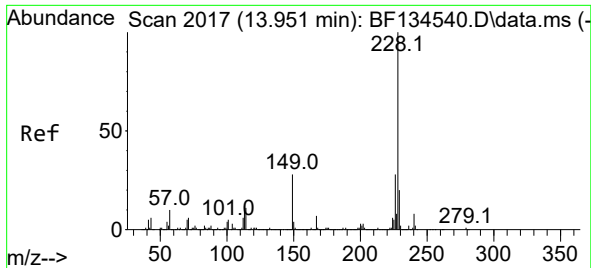
Ion Ratio Lower Upper

244 100

212 5.8 5.6 8.4

122 9.9 8.0 12.0

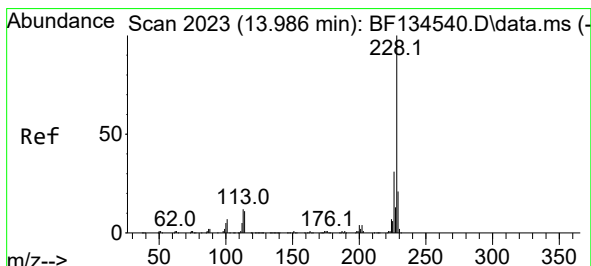
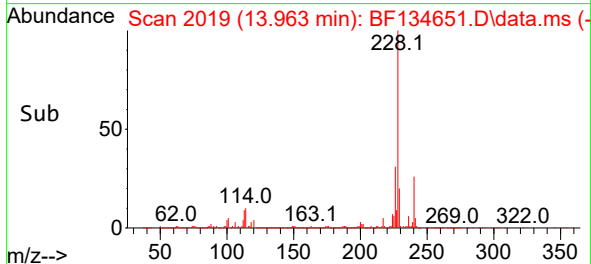
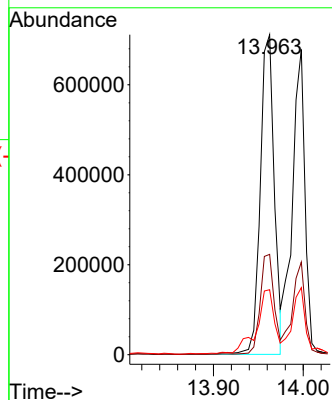
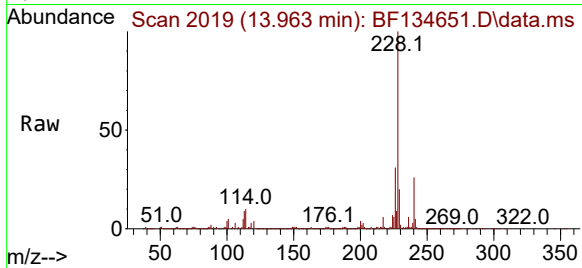




#81
Benzo(a)anthracene
Concen: 24.140 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

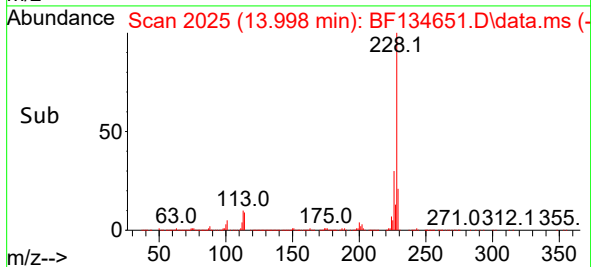
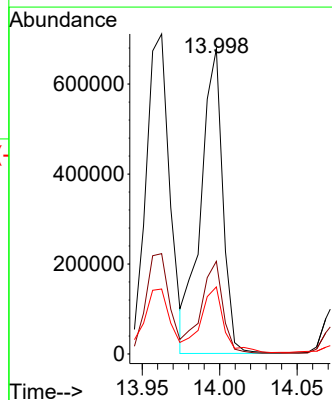
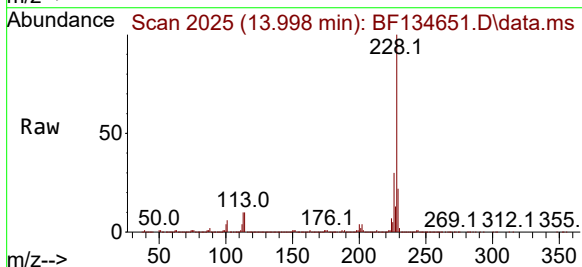
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

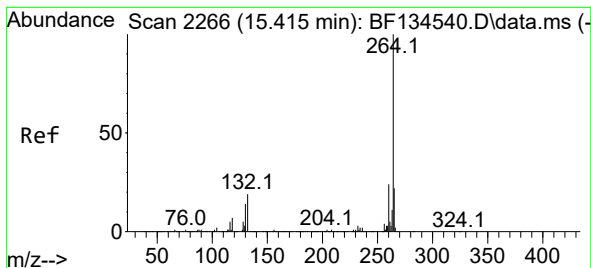
Tgt Ion:228 Resp: 770523
Ion Ratio Lower Upper
228 100
226 31.3 22.3 33.5
229 20.3 15.8 23.6



#83
Chrysene
Concen: 21.476 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134651.D
Acq: 07 Aug 2023 13:31

Tgt Ion:228 Resp: 667858
Ion Ratio Lower Upper
228 100
226 30.4 24.5 36.7
229 22.0 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

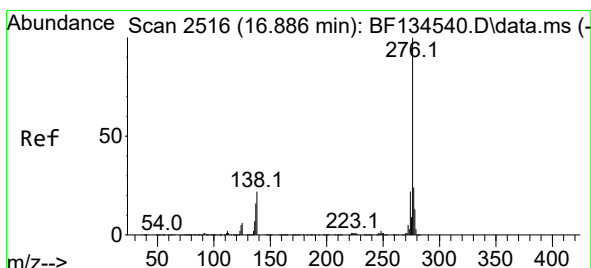
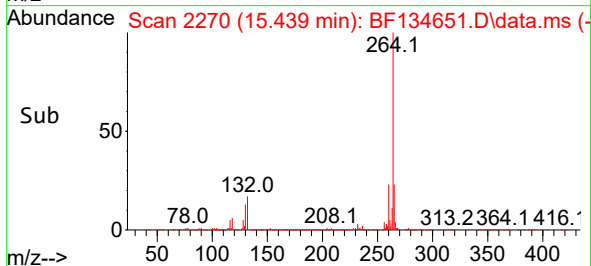
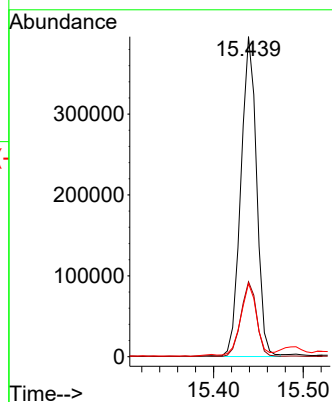
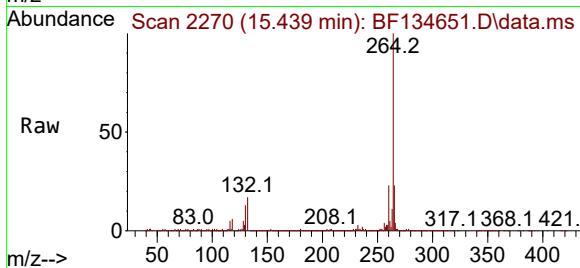
Tgt Ion:264 Resp: 481598

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

265 22.8 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.984 ng

RT: 16.921 min Scan# 2522

Delta R.T. -0.006 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

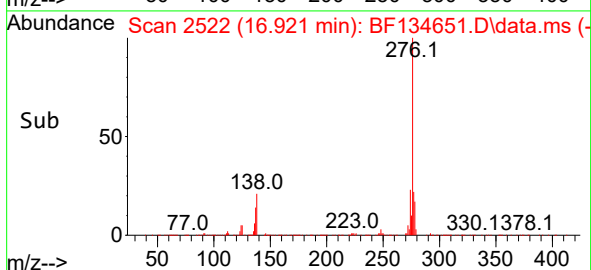
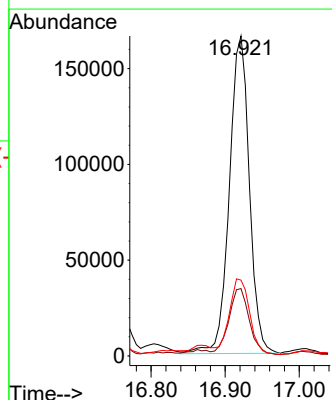
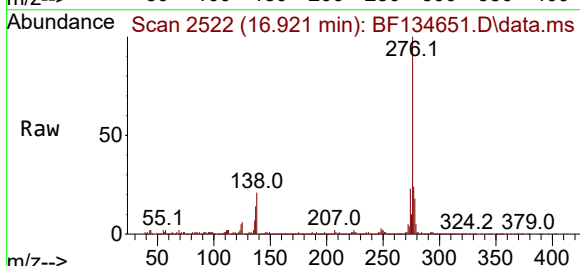
Tgt Ion:276 Resp: 311121

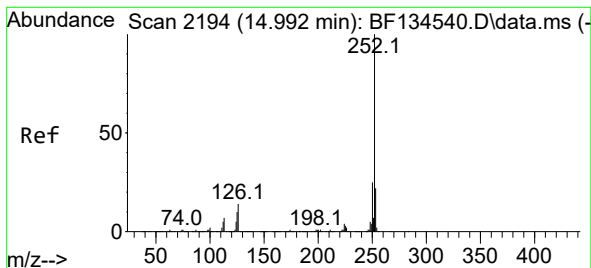
Ion Ratio Lower Upper

276 100

138 21.2 14.2 21.4

277 24.8 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 38.395 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

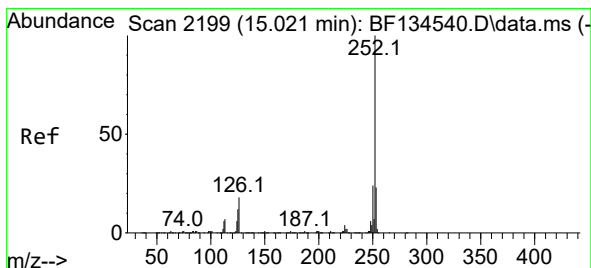
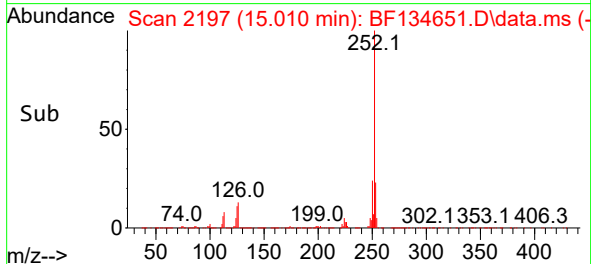
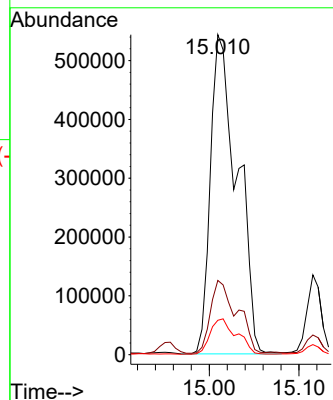
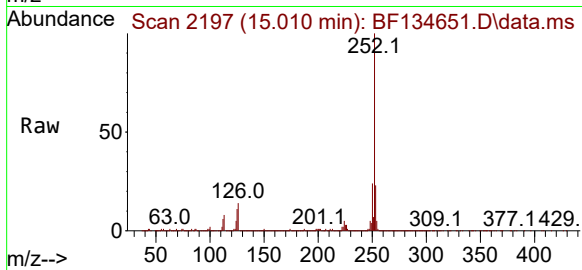
Tgt Ion:252 Resp: 1127733

Ion Ratio Lower Upper

252 100

253 23.2 17.3 25.9

125 10.7 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 38.542 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

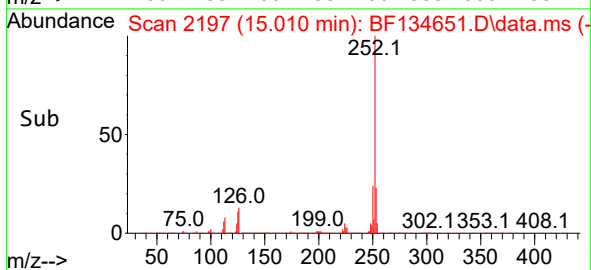
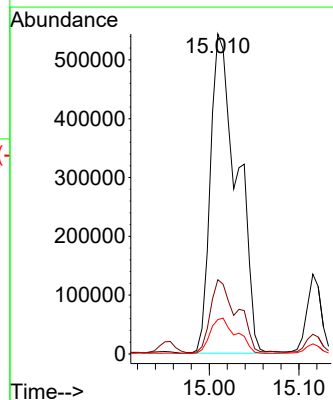
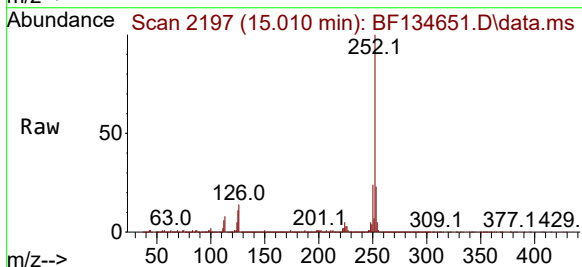
Tgt Ion:252 Resp: 1127733

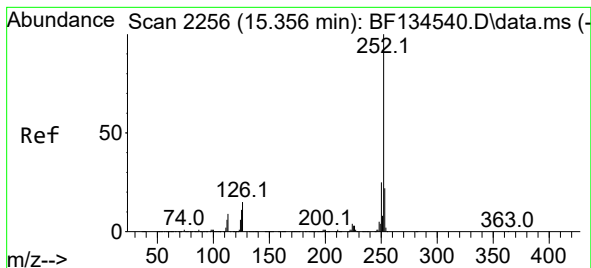
Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

125 10.7 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 22.516 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

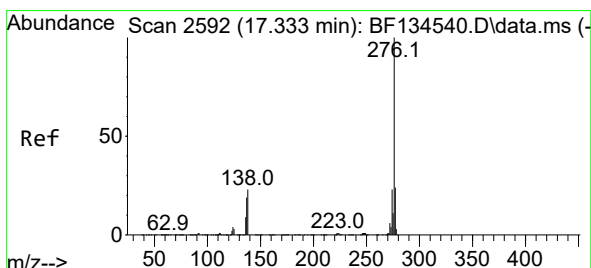
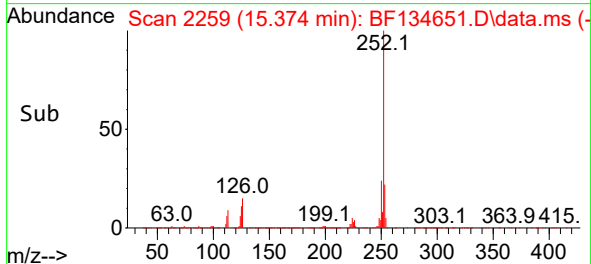
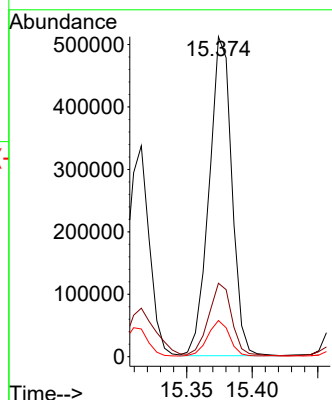
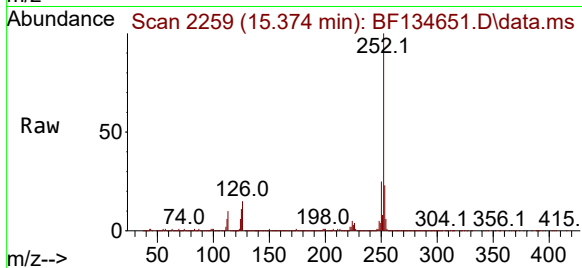
Tgt Ion:252 Resp: 616625

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

125 11.3 6.2 9.4#



#92

Benzo(g,h,i)perylene

Concen: 11.779 ng

RT: 17.368 min Scan# 2598

Delta R.T. -0.006 min

Lab File: BF134651.D

Acq: 07 Aug 2023 13:31

Tgt Ion:276 Resp: 275043

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.6

138 23.0 12.2 18.2#

