

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134633.D
 Acq On : 04 Aug 2023 15:24
 Operator : CG\JU
 Sample : 03840-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 05 00:06:59 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)

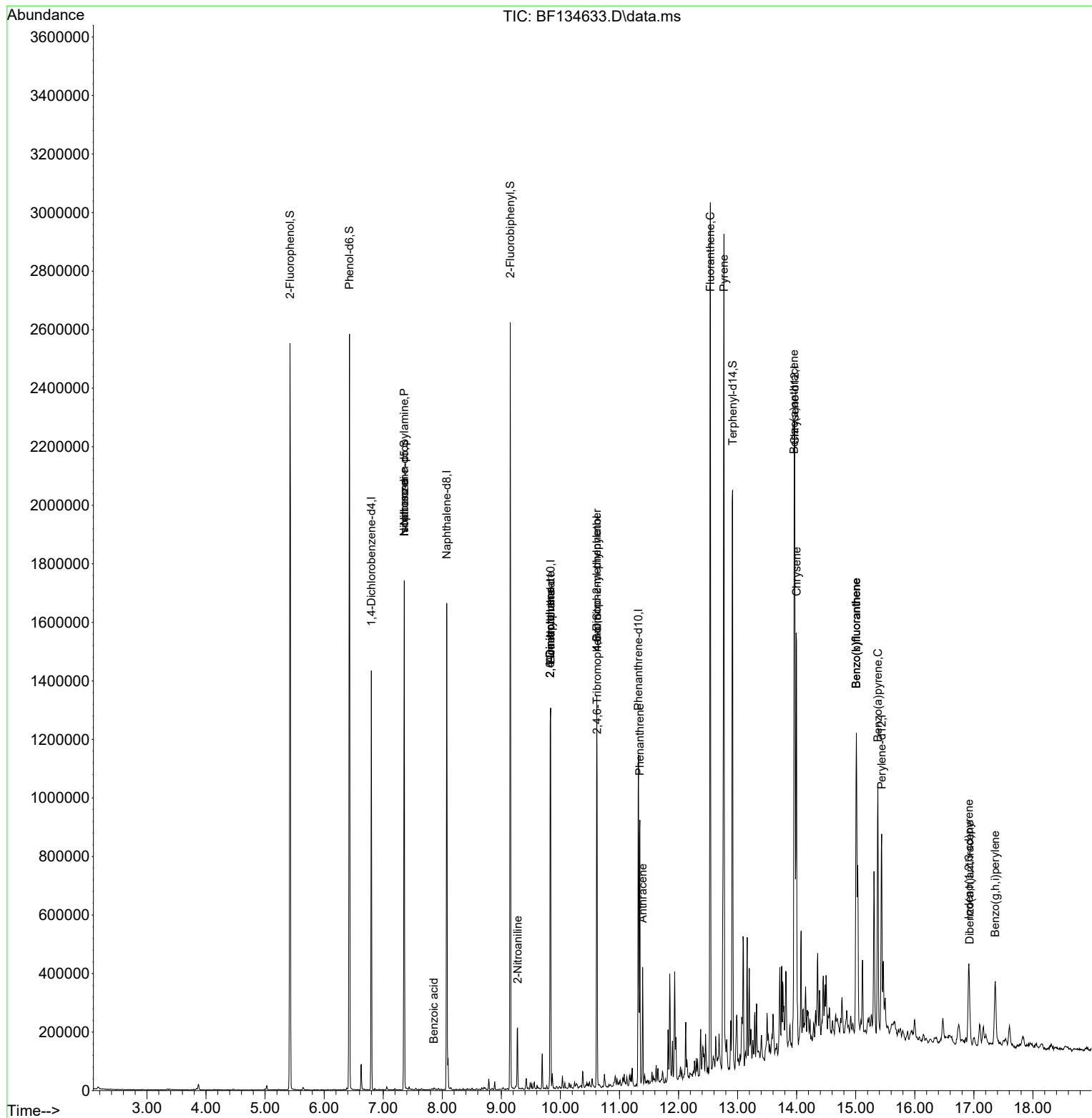
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	178398	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	659283	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	264794	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	411096	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	401005	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	305864	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	685445	58.406	ng	0.00
7) Phenol-d6	6.428	99	839842	55.981	ng	-0.01
23) Nitrobenzene-d5	7.357	82	472815	44.818	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	148166	54.890	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	724007	45.462	ng	-0.01
79) Terphenyl-d14	12.916	244	712071	31.303	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	394	Below Cal	#	35
19) n-Nitroso-di-n-propyla...	7.357	70	62888	7.001	ng	# 72
25) Isophorone	7.357	82	469568	20.407	ng	# 65
32) Benzoic acid	7.857	122	53	7.874	ng	# 24
48) 2-Nitroaniline	9.275	65	2262	3.605	ng	# 13
50) Dimethylphthalate	9.834	163	55282	3.063	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	35054	11.482	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	35054	10.233	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	411	8.901	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	9576	2.128	ng	# 1
71) Phenanthrene	11.345	178	339964	15.569	ng	98
72) Anthracene	11.392	178	130771	5.863	ng	98
75) Fluoranthene	12.539	202	1197405	51.913	ng	97
78) Pyrene	12.769	202	1176908	33.917	ng	97
81) Benzo(a)anthracene	13.957	228	697795	24.336	ng	94
83) Chrysene	13.998	228	593659	21.251	ng	97
87) Indeno(1,2,3-cd)pyrene	16.915	276	201069	11.178	ng	# 95
88) Benzo(b)fluoranthene	15.010	252	791292	42.419	ng	# 95
89) Benzo(k)fluoranthene	15.010	252	791292	42.582	ng	# 97
90) Benzo(a)pyrene	15.374	252	397604	22.860	ng	# 95
91) Dibenzo(a,h)anthracene	16.927	278	49359	3.395	ng	# 85
92) Benzo(g,h,i)perylene	17.362	276	181829	12.261	ng	# 92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
Data File : BF134633.D
Acq On : 04 Aug 2023 15:24
Operator : CG\JU
Sample : 03840-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 05 00:06:59 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

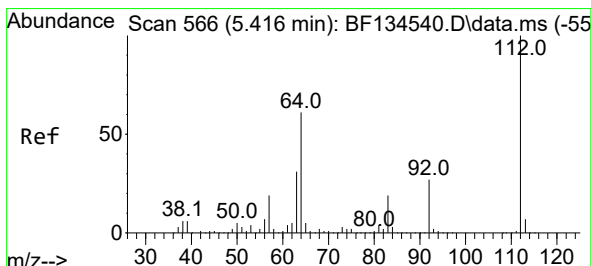
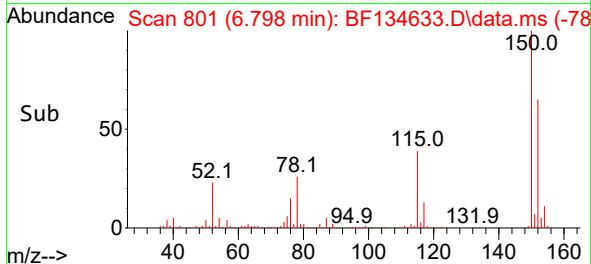
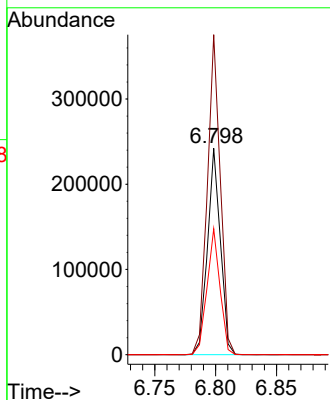
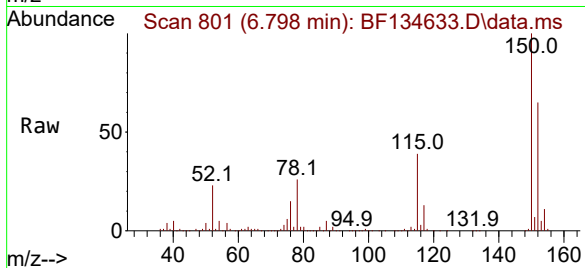




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF134633.D
 Acq: 04 Aug 2023 15:24

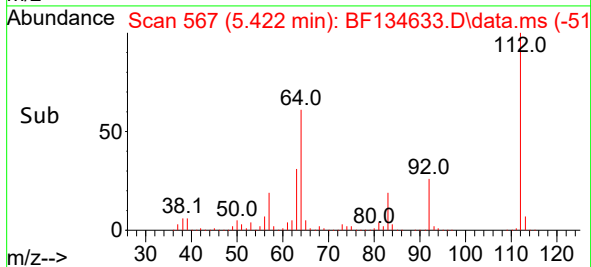
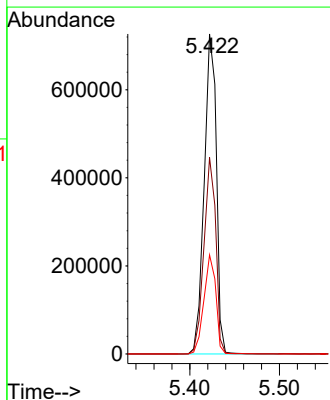
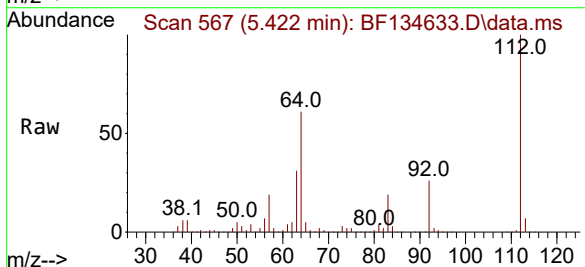
Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-B-19-(0-5)

Tgt Ion:152 Resp: 178398
 Ion Ratio Lower Upper
 152 100
 150 155.0 128.3 192.5
 115 61.0 52.4 78.6



#5
 2-Fluorophenol
 Concen: 58.406 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF134633.D
 Acq: 04 Aug 2023 15:24

Tgt Ion:112 Resp: 685445
 Ion Ratio Lower Upper
 112 100
 64 61.4 44.9 67.3
 63 31.0 25.4 38.0

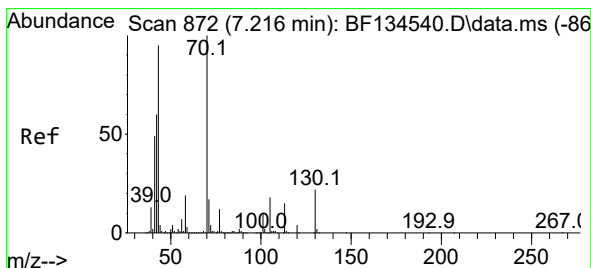
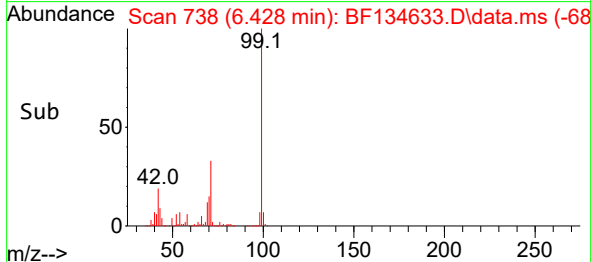
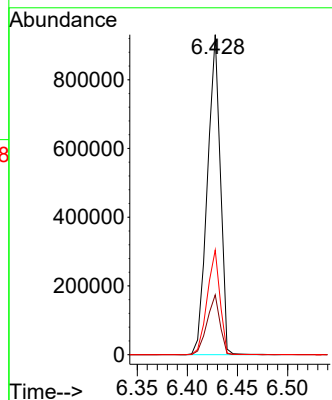
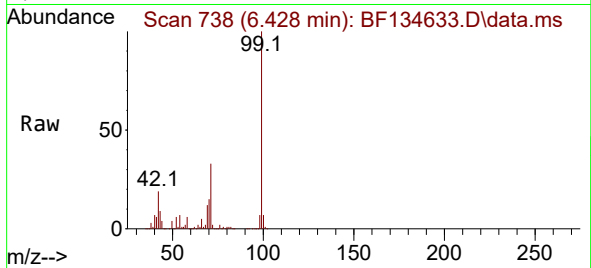




#7
Phenol-d6
Concen: 55.981 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

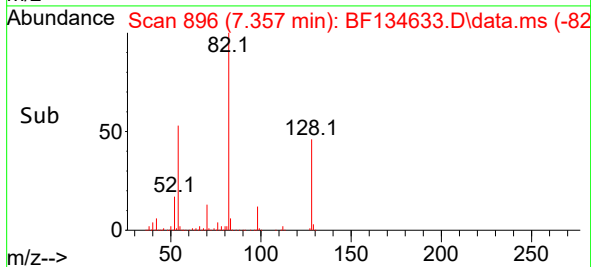
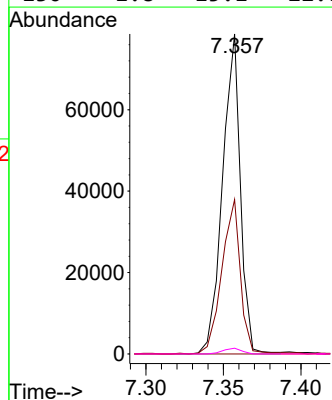
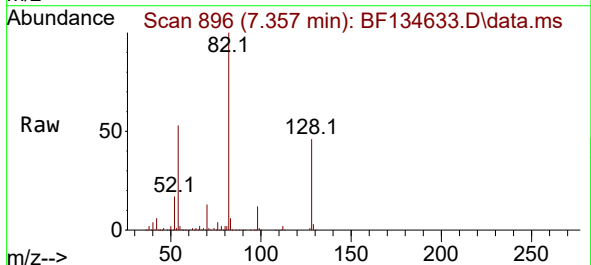
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

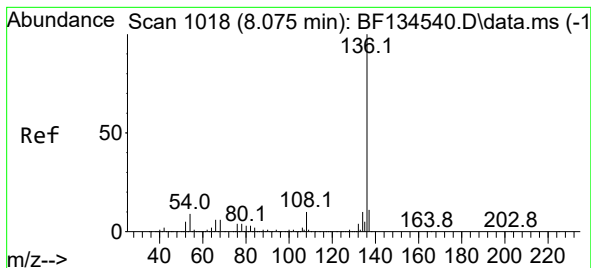
Tgt Ion: 99 Resp: 839842
Ion Ratio Lower Upper
99 100
42 18.7 18.7 28.1#
71 32.7 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 7.001 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion: 70 Resp: 62888
Ion Ratio Lower Upper
70 100
42 48.3 54.7 82.1#
101 0.0 8.2 12.2#
130 1.8 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: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

Tgt Ion:136 Resp: 659283

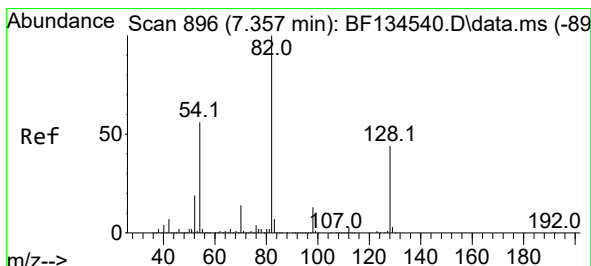
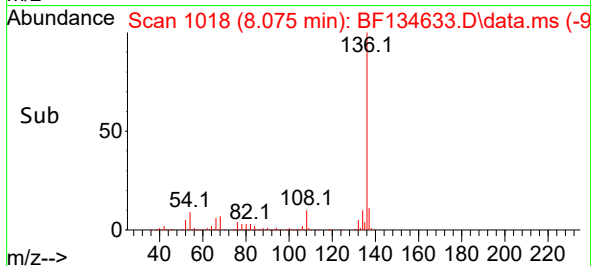
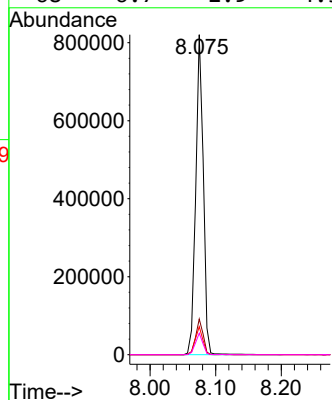
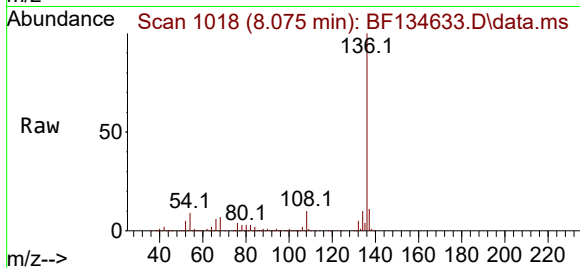
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 8.8 5.2 7.8#

68 6.7 2.9 4.3#



#23

Nitrobenzene-d5

Concen: 44.818 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

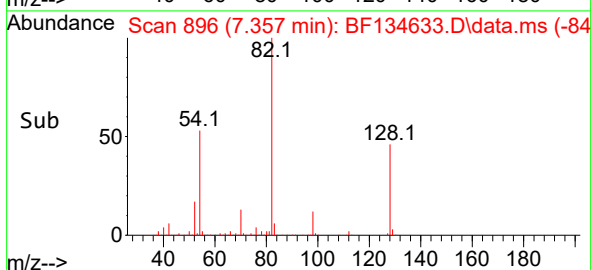
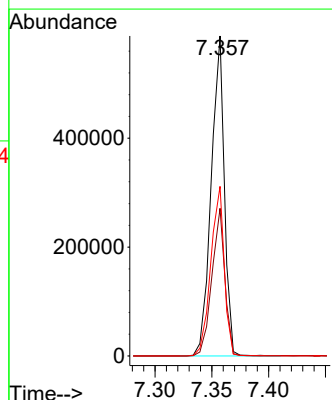
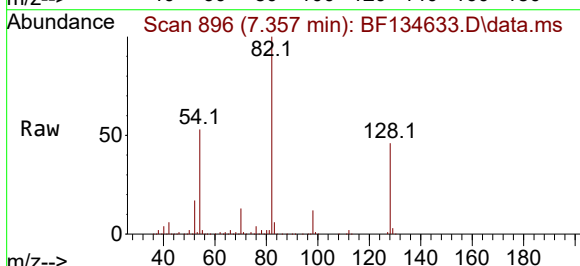
Tgt Ion: 82 Resp: 472815

Ion Ratio Lower Upper

82 100

128 46.1 34.3 51.5

54 53.0 43.8 65.6

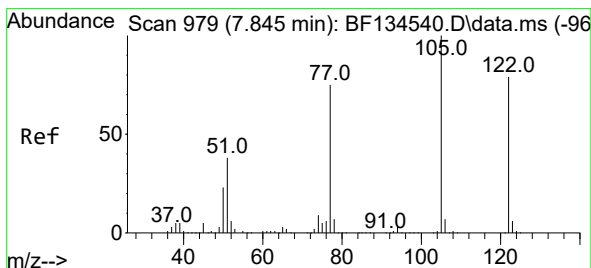
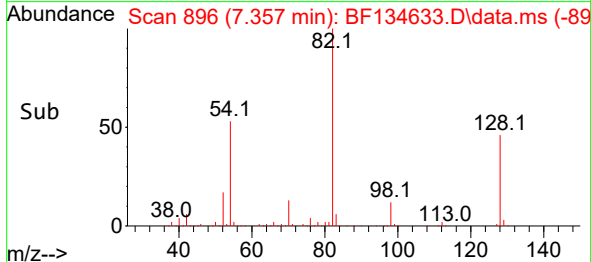
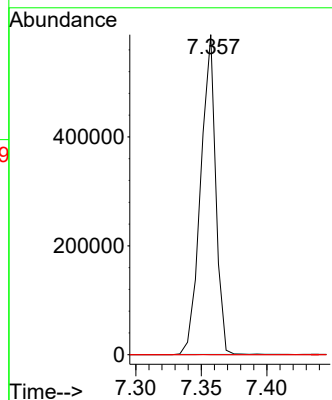
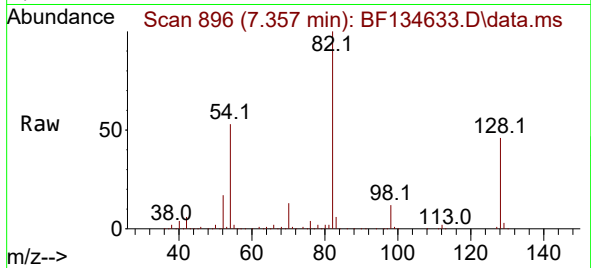




#25
Isophorone
Concen: 20.407 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

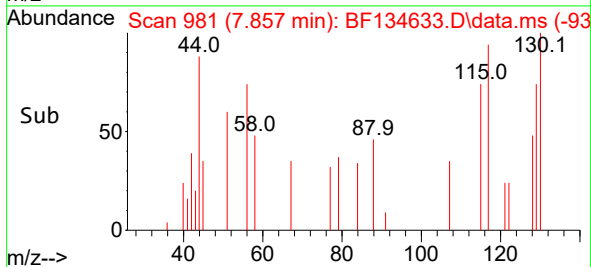
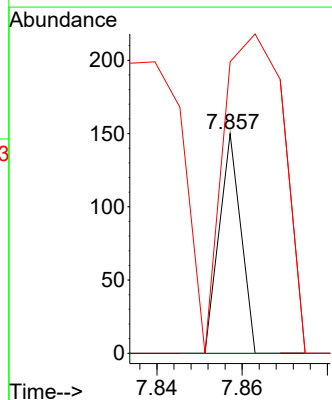
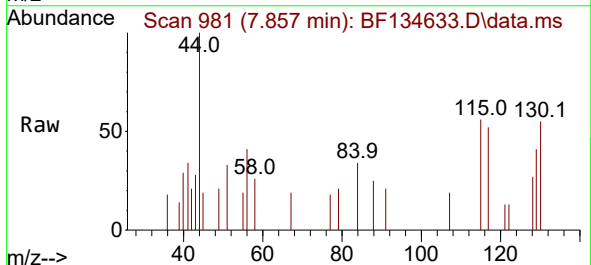
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

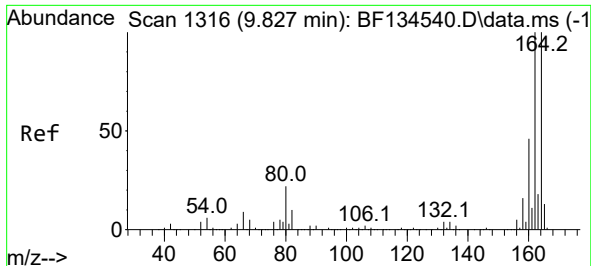
Tgt Ion: 82 Resp: 469568
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.874 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion: 122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 132.7 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

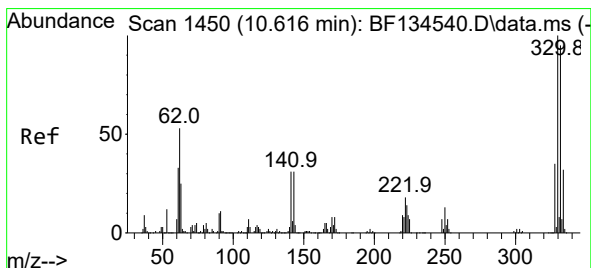
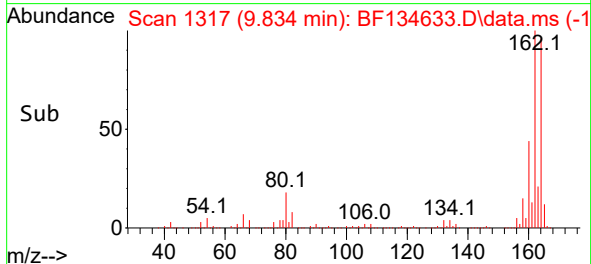
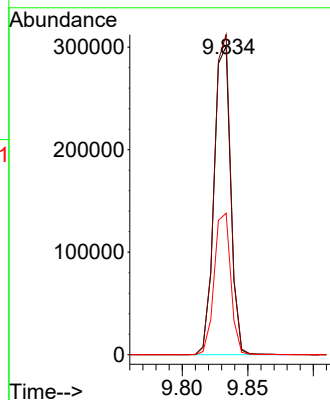
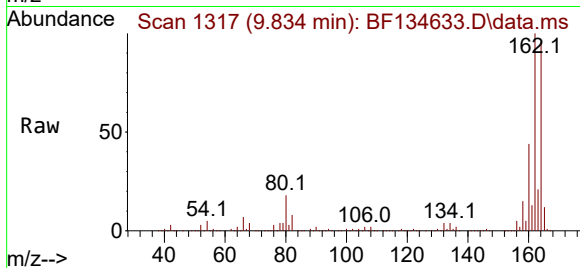
Tgt Ion:164 Resp: 264794

Ion Ratio Lower Upper

164 100

162 103.8 82.6 123.8

160 45.9 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 54.890 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

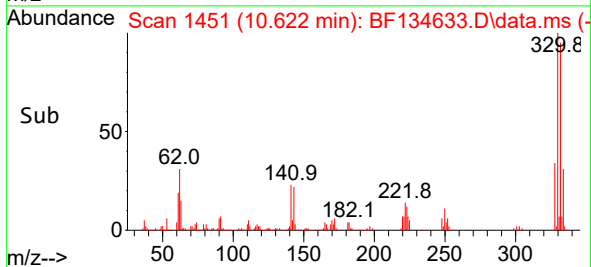
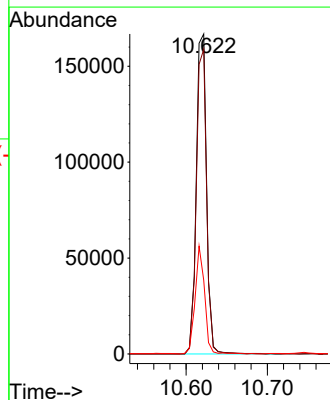
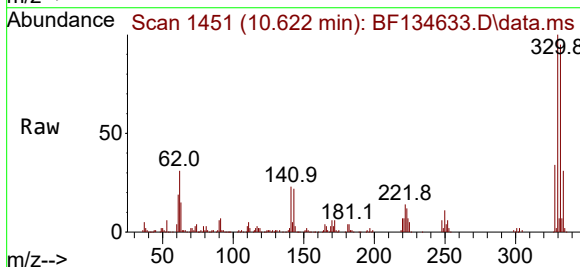
Tgt Ion:330 Resp: 148166

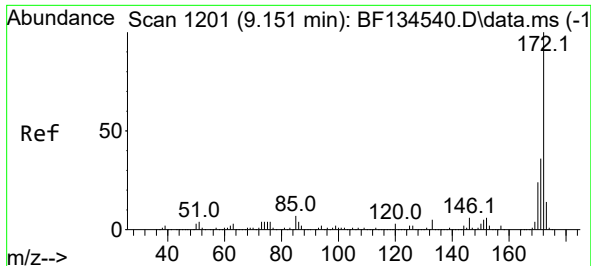
Ion Ratio Lower Upper

330 100

332 94.5 78.8 118.2

141 31.2 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 45.462 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

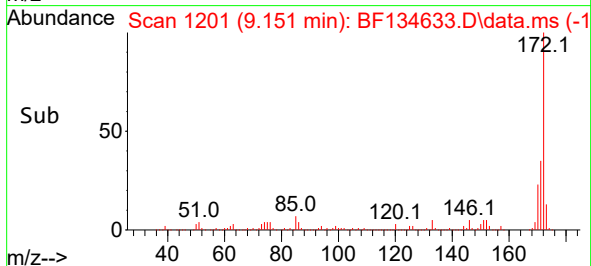
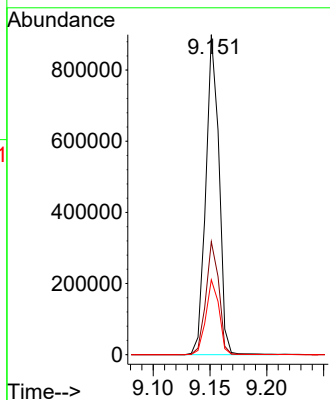
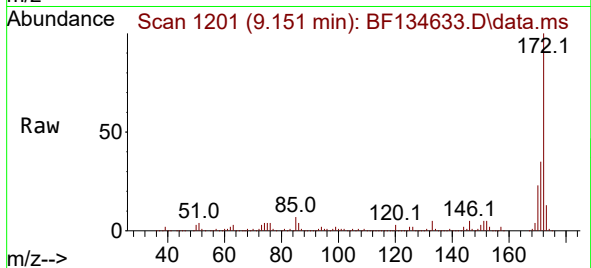
Tgt Ion:172 Resp: 724007

Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.4 18.7 28.1



#48

2-Nitroaniline

Concen: 3.605 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.106 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

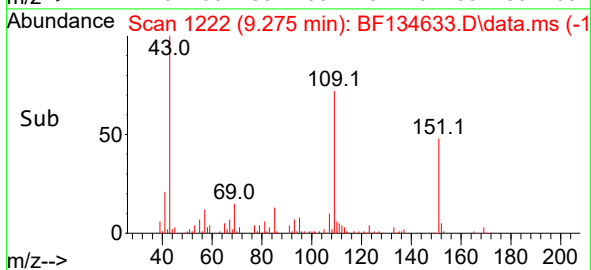
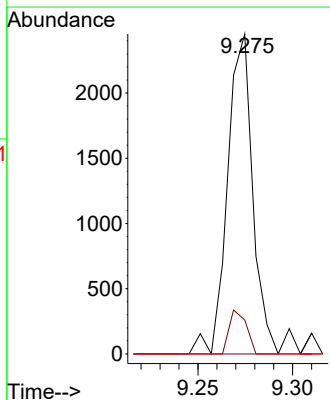
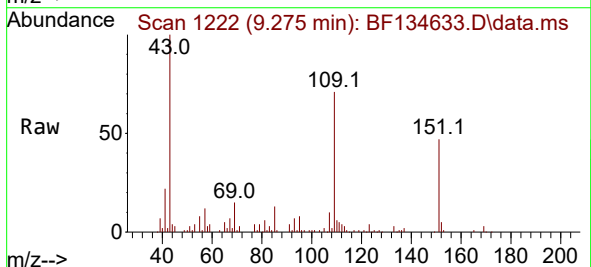
Tgt Ion: 65 Resp: 2262

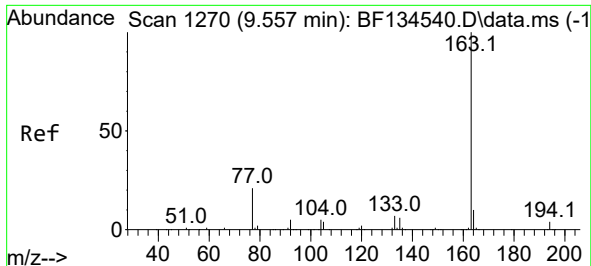
Ion Ratio Lower Upper

65 100

92 10.6 50.7 76.1#

138 0.0 78.2 117.4#

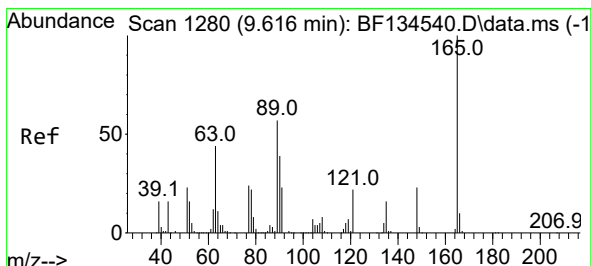
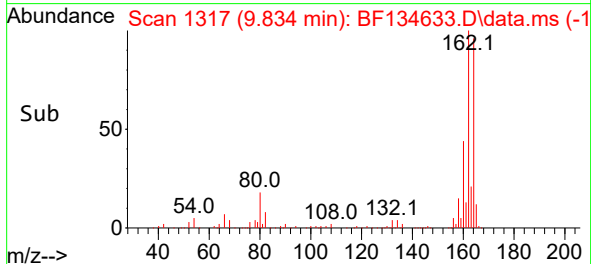
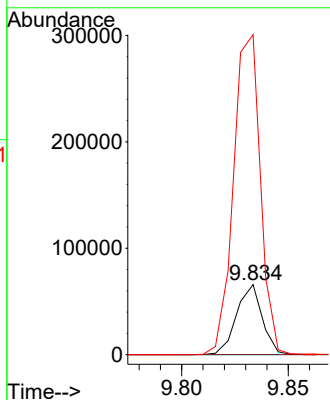
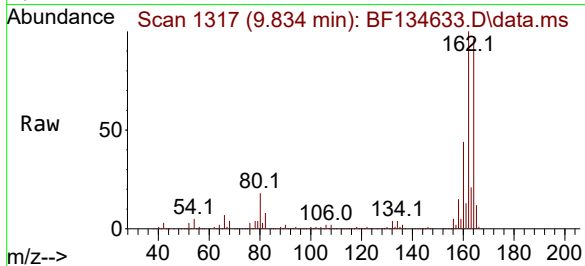




#50
Dimethylphthalate
Concen: 3.063 ng
RT: 9.834 min Scan# 11
Delta R.T. 0.265 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

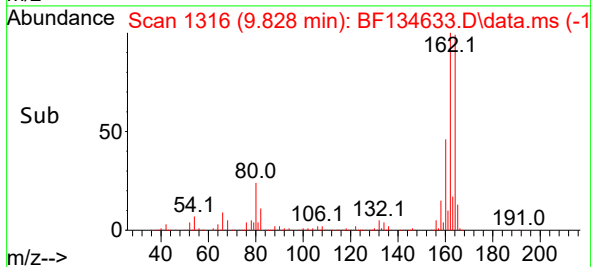
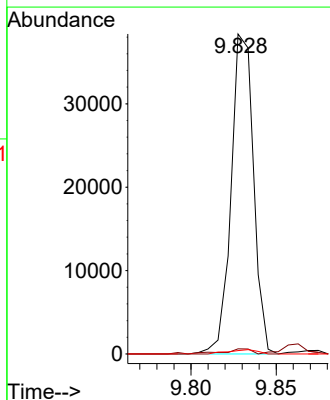
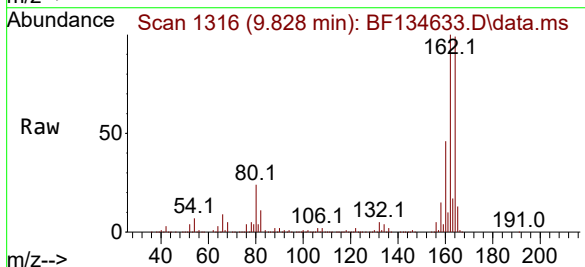
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

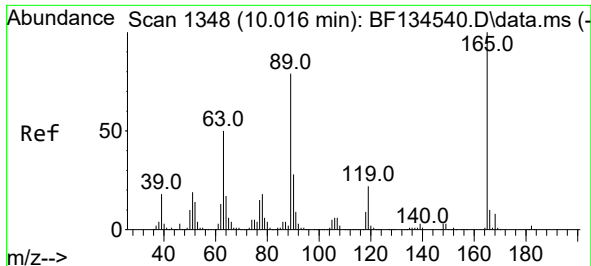
Tgt Ion:163 Resp: 55282
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 456.3 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.482 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion:165 Resp: 35054
Ion Ratio Lower Upper
165 100
63 1.6 57.8 86.6#
89 1.1 51.8 77.8#

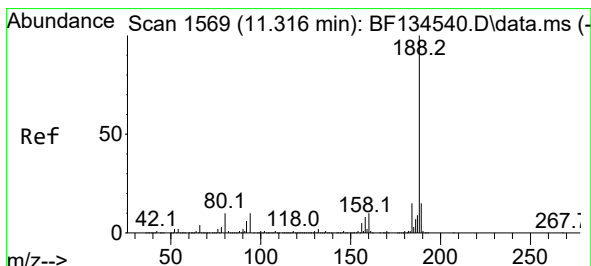
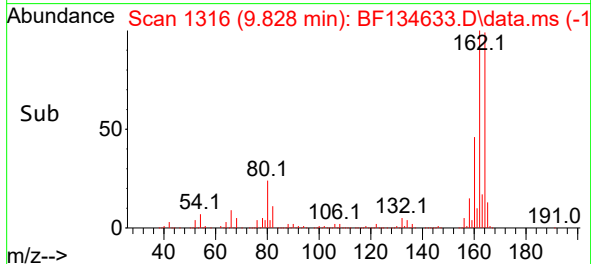
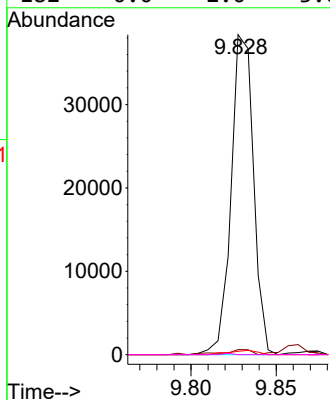
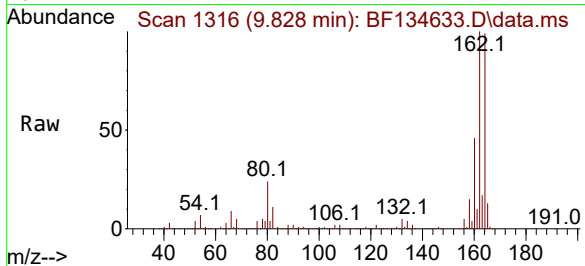




#57
2,4-Dinitrotoluene
Concen: 10.233 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

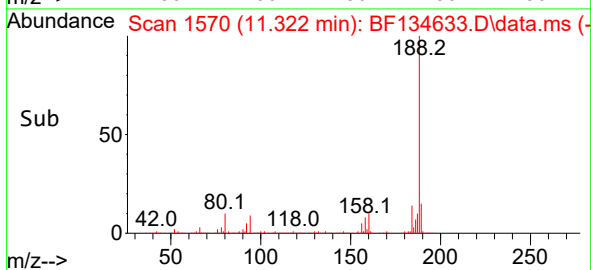
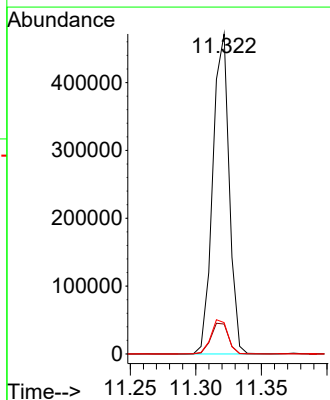
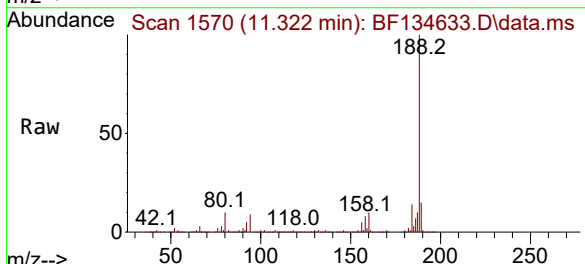
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

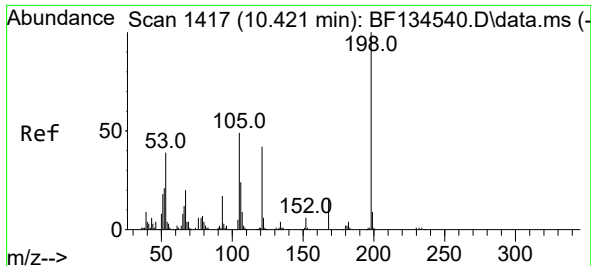
Tgt Ion:165 Resp: 35054
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 1.1 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion:188 Resp: 411096
Ion Ratio Lower Upper
188 100
94 9.4 5.1 7.7#
80 9.8 6.6 9.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.901 ng

RT: 10.616 min Scan# 1417

Delta R.T. 0.177 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

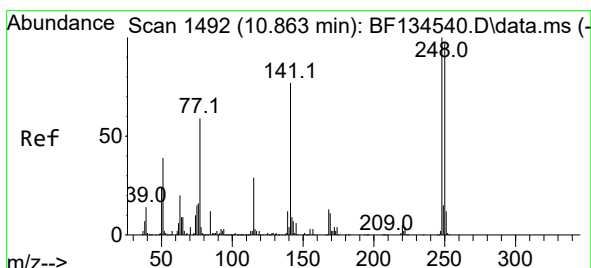
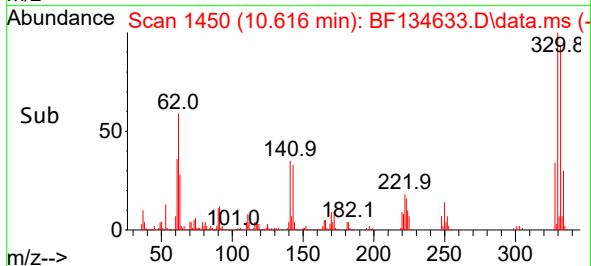
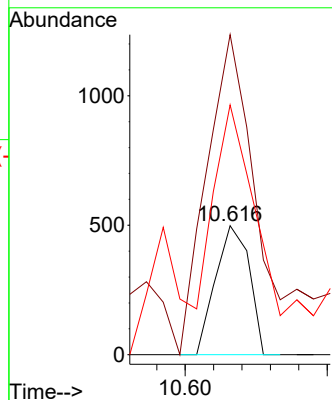
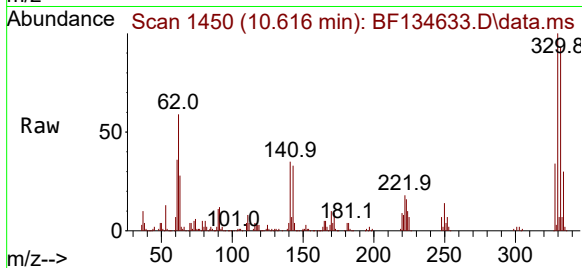
Tgt Ion:198 Resp: 411

Ion Ratio Lower Upper

198 100

51 248.2 38.6 78.6#

105 193.8 27.9 67.9#



#67

4-Bromophenyl-phenylether

Concen: 2.128 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.253 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

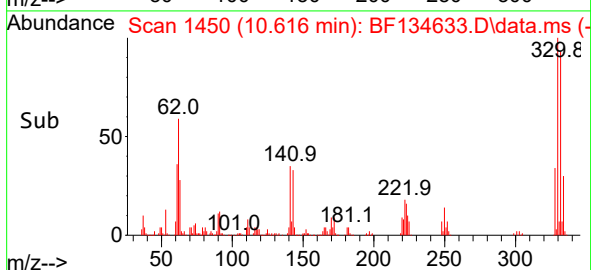
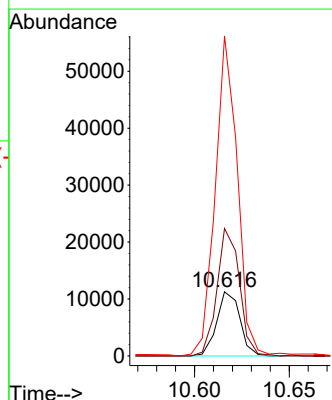
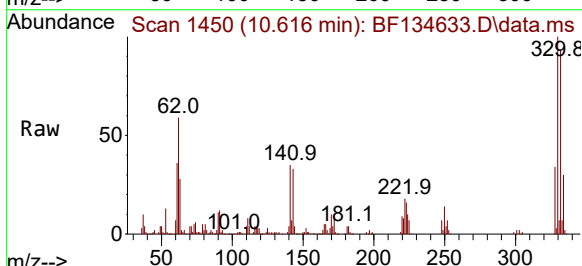
Tgt Ion:248 Resp: 9576

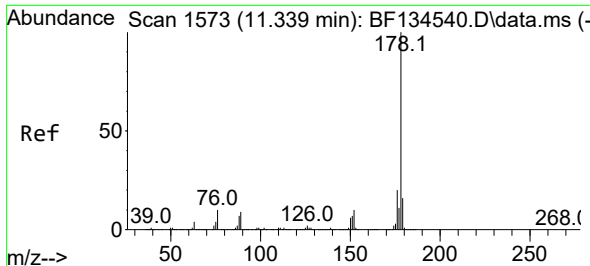
Ion Ratio Lower Upper

248 100

250 198.9 79.6 119.4#

141 499.3 59.6 89.4#

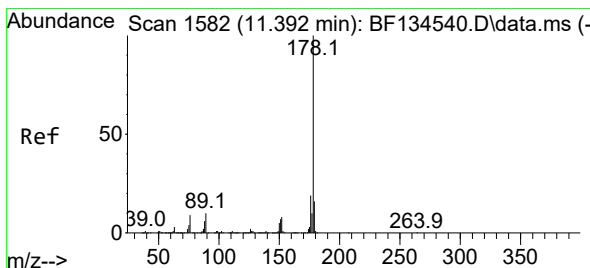
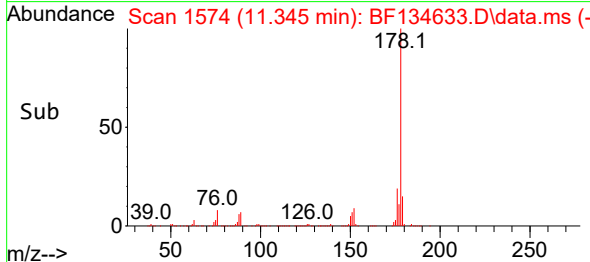
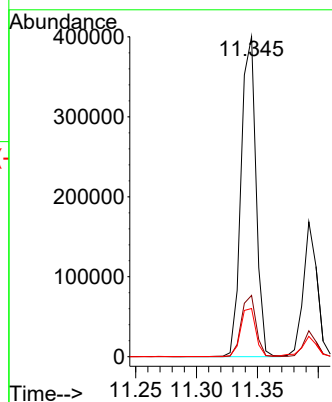
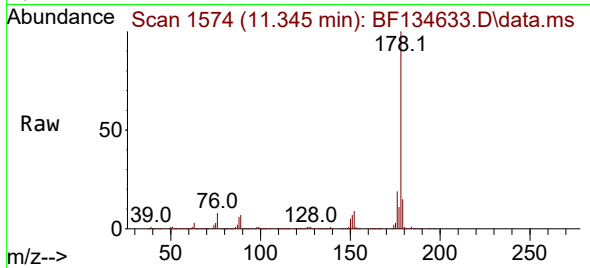




#71
Phenanthrene
Concen: 15.569 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

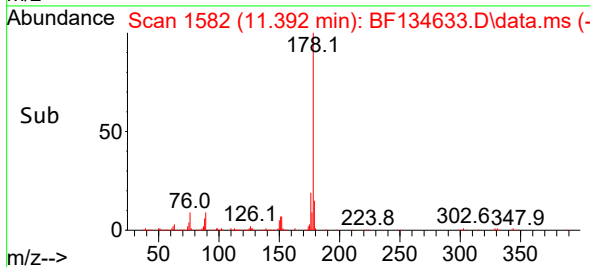
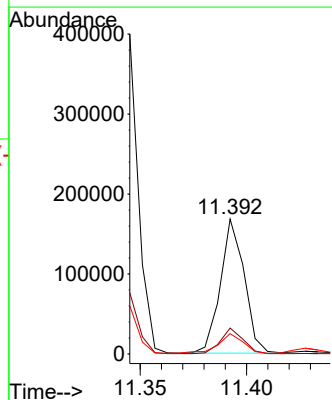
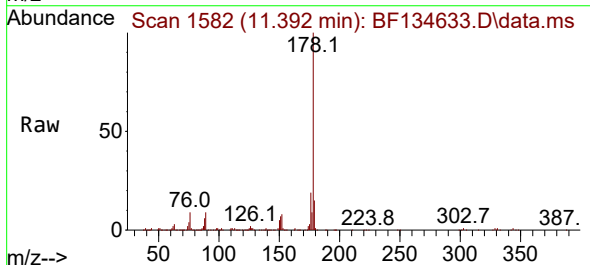
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

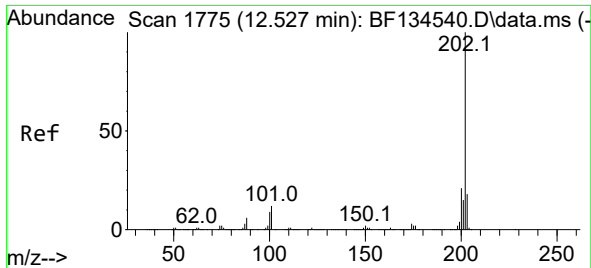
Tgt Ion:178 Resp: 339964
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.0 12.7 19.1



#72
Anthracene
Concen: 5.863 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion:178 Resp: 130771
Ion Ratio Lower Upper
178 100
176 19.3 14.6 21.8
179 15.1 12.3 18.5

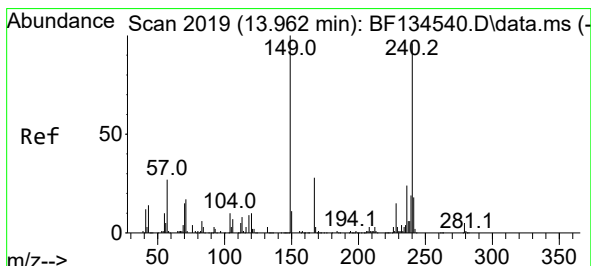
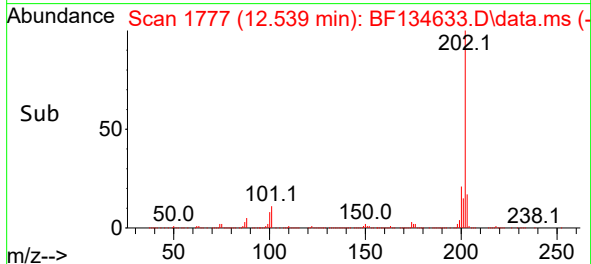
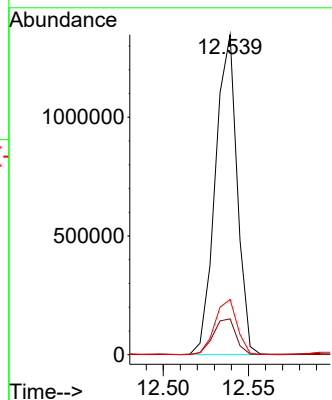
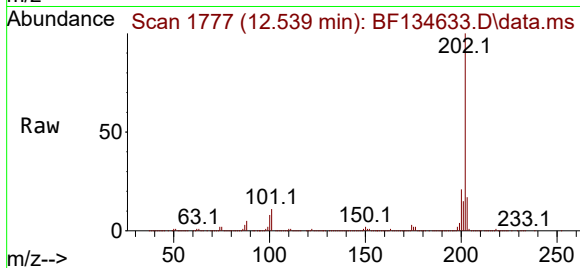




#75
Fluoranthene
Concen: 51.913 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

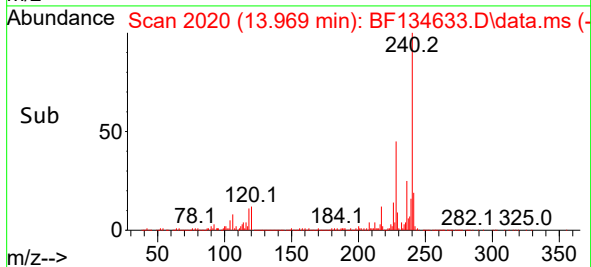
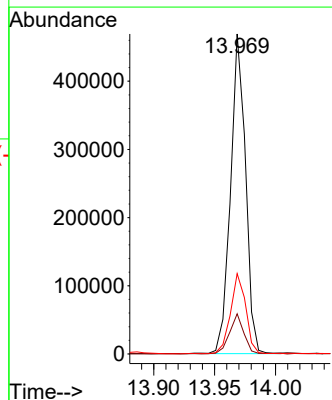
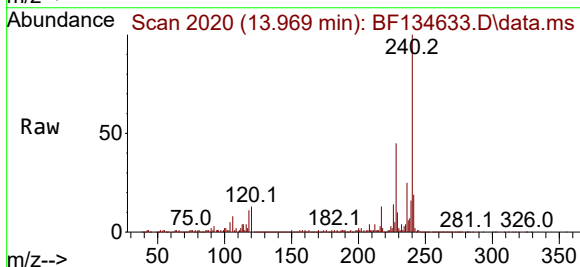
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

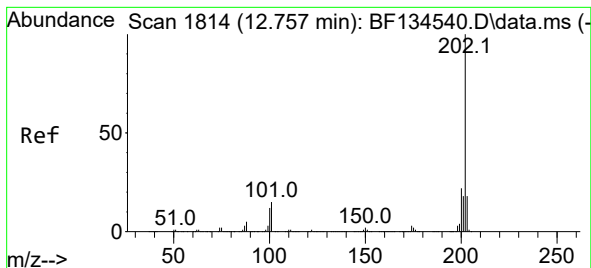
Tgt Ion:202 Resp: 1197405
Ion Ratio Lower Upper
202 100
101 11.2 0.0 28.5
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion:240 Resp: 401005
Ion Ratio Lower Upper
240 100
120 12.5 6.6 10.0#
236 25.1 20.2 30.2





#78

Pyrene

Concen: 33.917 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

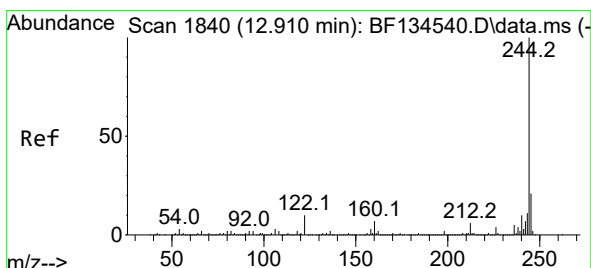
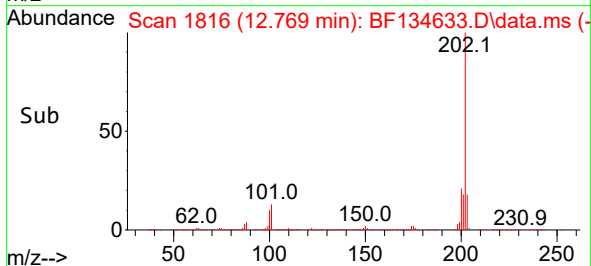
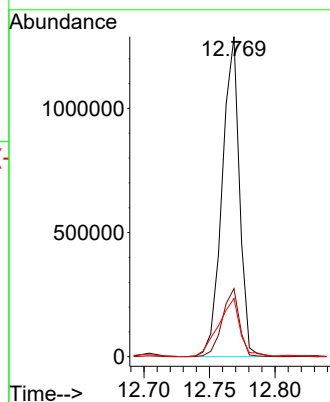
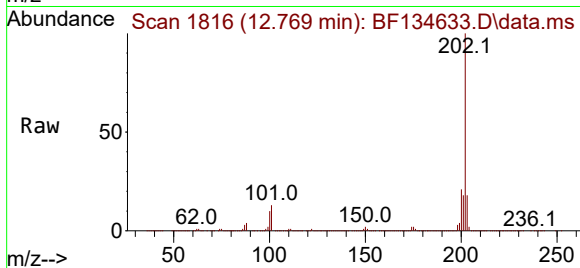
Tgt Ion:202 Resp: 1176908

Ion Ratio Lower Upper

202 100

200 21.3 15.8 23.8

203 18.2 13.5 20.3



#79

Terphenyl-d14

Concen: 31.303 ng

RT: 12.916 min Scan# 1841

Delta R.T. -0.006 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

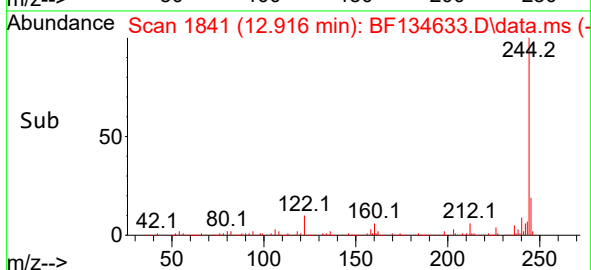
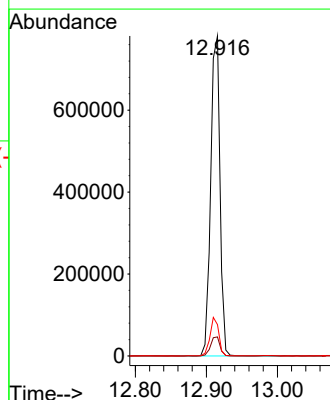
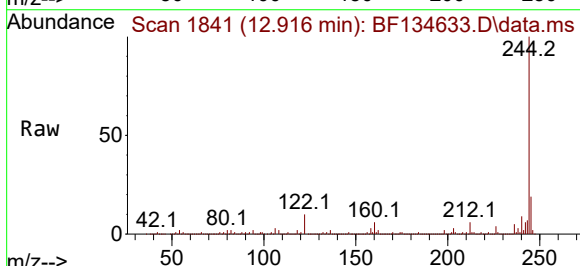
Tgt Ion:244 Resp: 712071

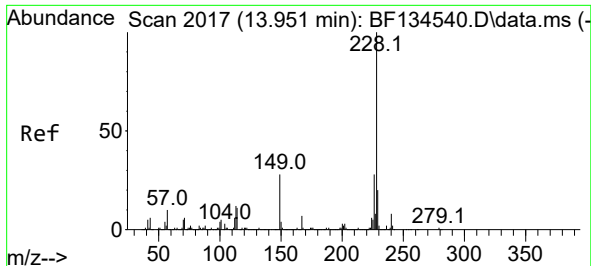
Ion Ratio Lower Upper

244 100

212 5.9 5.6 8.4

122 9.8 8.0 12.0

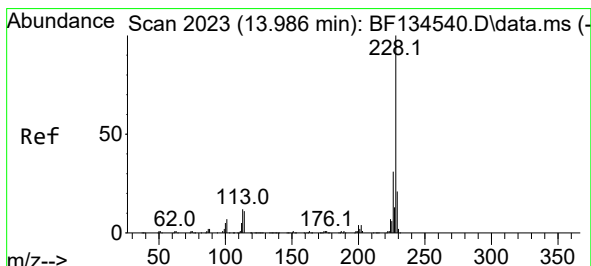
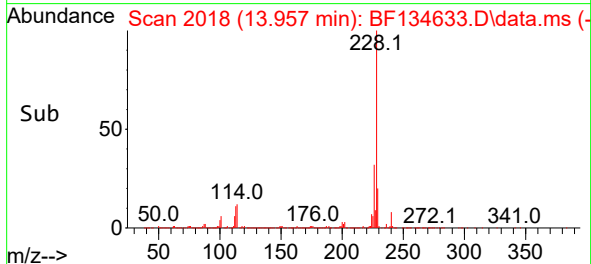
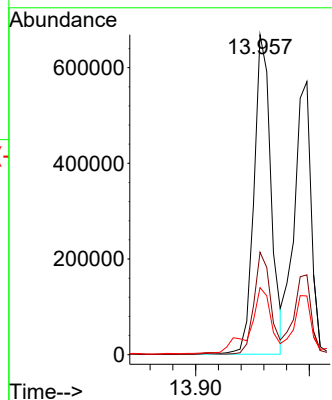
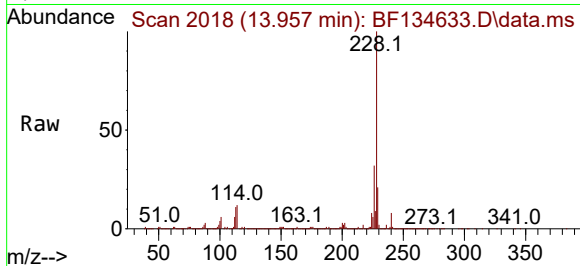




#81
Benzo(a)anthracene
Concen: 24.336 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

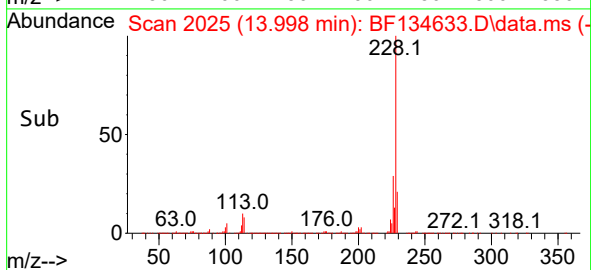
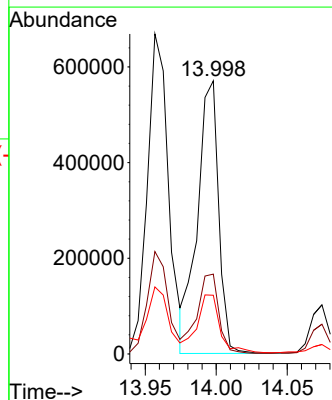
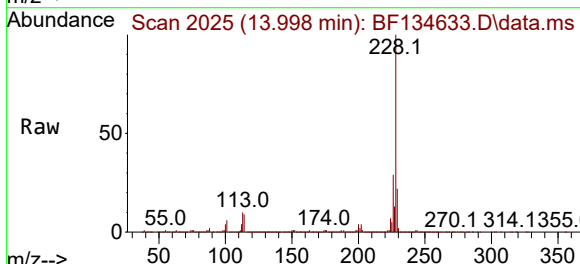
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

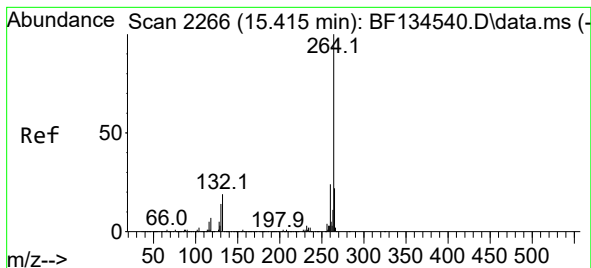
Tgt Ion:228 Resp: 697795
Ion Ratio Lower Upper
228 100
226 32.0 22.3 33.5
229 21.0 15.8 23.6



#83
Chrysene
Concen: 21.251 ng
RT: 13.998 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion:228 Resp: 593659
Ion Ratio Lower Upper
228 100
226 29.2 24.5 36.7
229 21.5 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: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

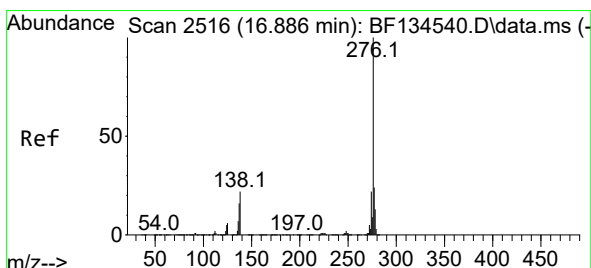
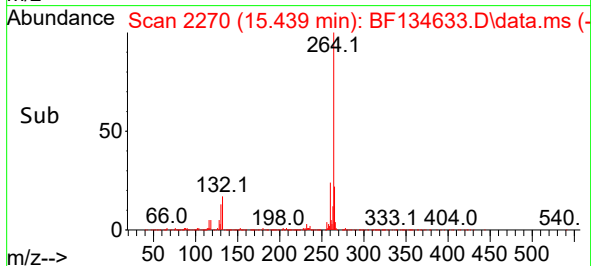
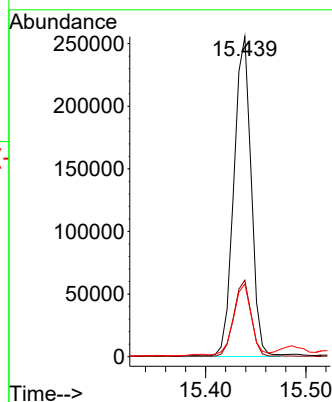
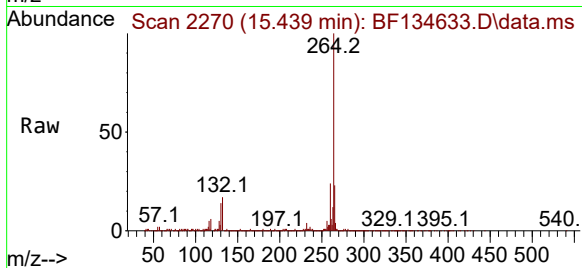
Tgt Ion:264 Resp: 305864

Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 22.7 15.8 23.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.178 ng

RT: 16.915 min Scan# 2521

Delta R.T. -0.012 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

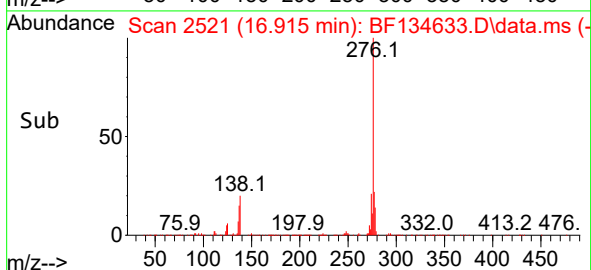
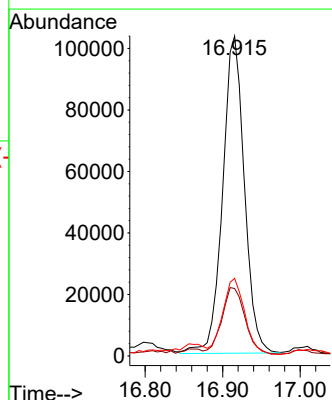
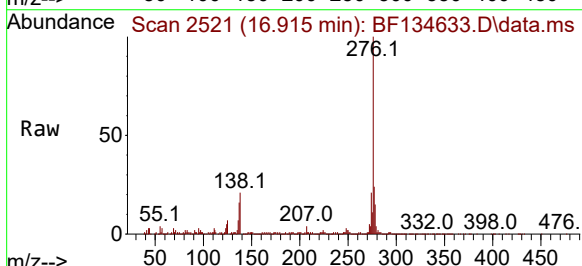
Tgt Ion:276 Resp: 201069

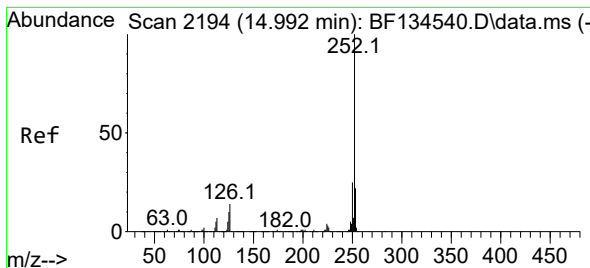
Ion Ratio Lower Upper

276 100

138 22.4 14.2 21.4#

277 24.3 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 42.419 ng

RT: 15.010 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)

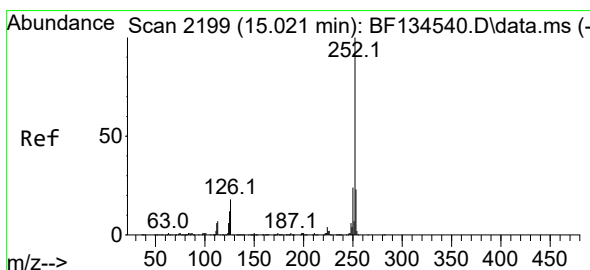
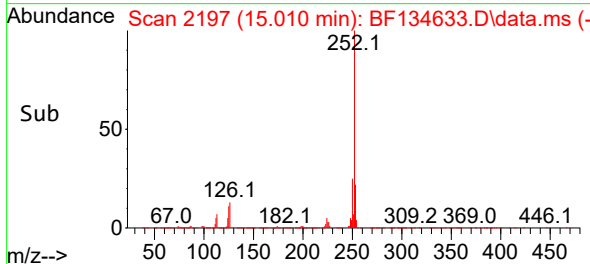
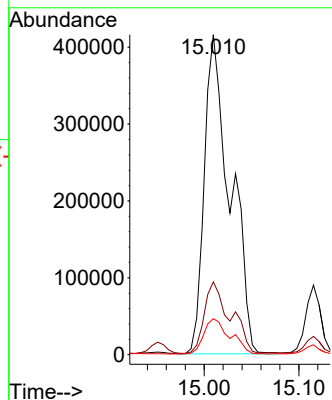
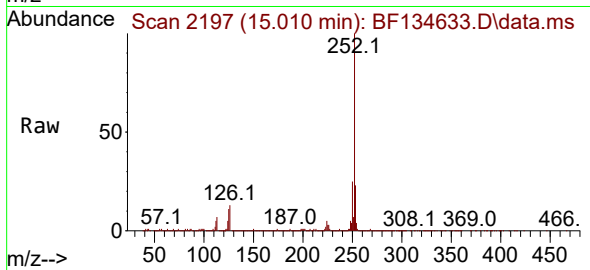
Tgt Ion:252 Resp: 791292

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 11.2 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 42.582 ng

RT: 15.010 min Scan# 2197

Delta R.T. -0.029 min

Lab File: BF134633.D

Acq: 04 Aug 2023 15:24

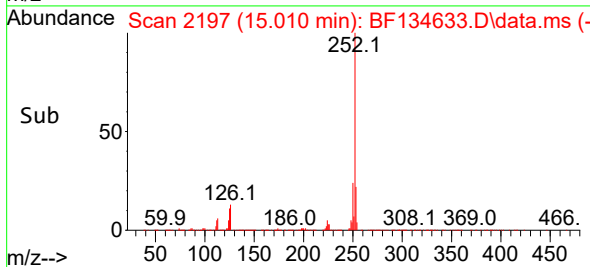
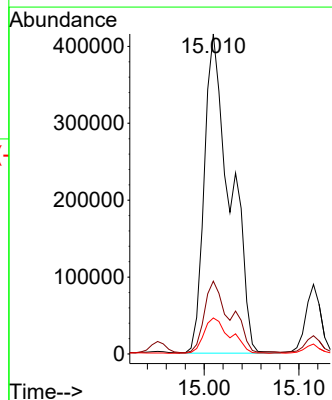
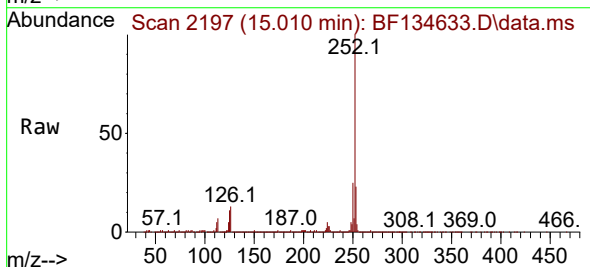
Tgt Ion:252 Resp: 791292

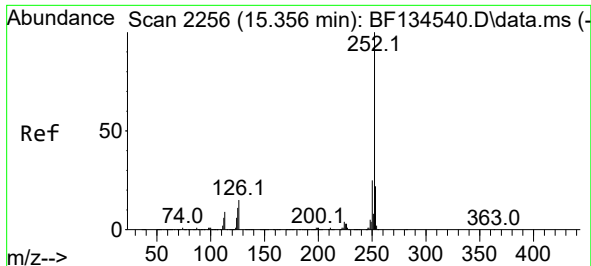
Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 11.2 6.3 9.5#

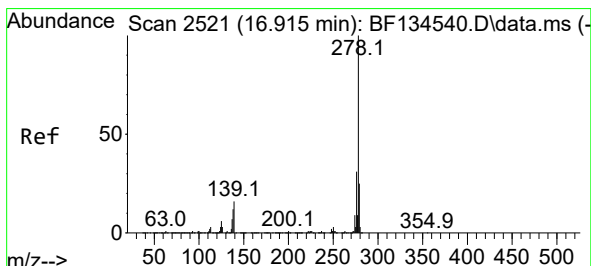
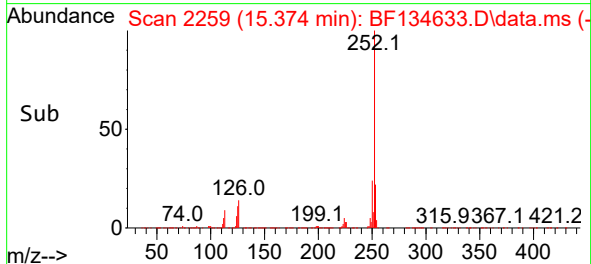
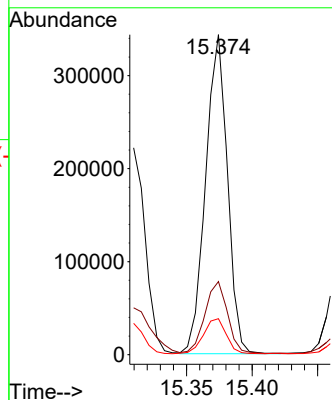
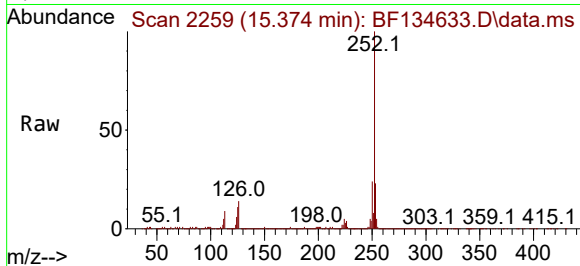




#90
Benzo(a)pyrene
Concen: 22.860 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

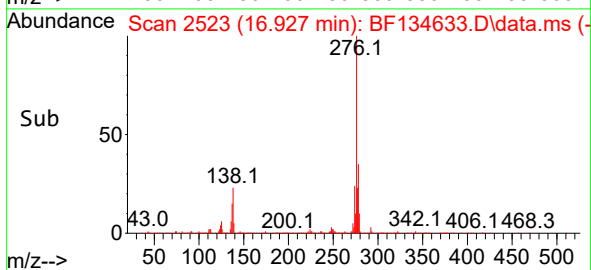
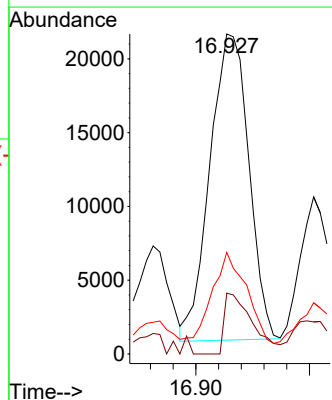
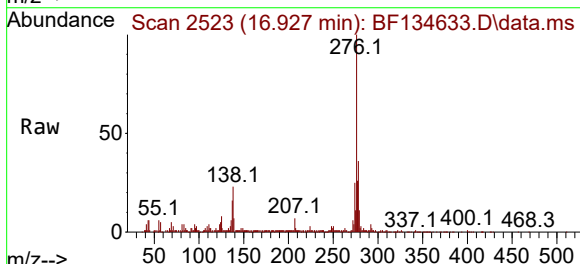
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-19-(0-5)

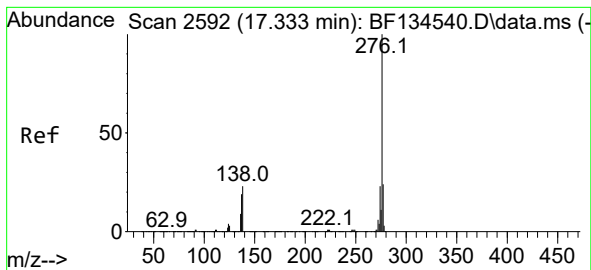
Tgt Ion:252 Resp: 397604
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 11.2 6.2 9.4#



#91
Dibenzo(a,h)anthracene
Concen: 3.395 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.023 min
Lab File: BF134633.D
Acq: 04 Aug 2023 15:24

Tgt Ion:278 Resp: 49359
Ion Ratio Lower Upper
278 100
139 19.0 10.0 15.0#
279 31.7 19.7 29.5#





#92

Benzo(g,h,i)perylene

Concen: 12.261 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134633.D

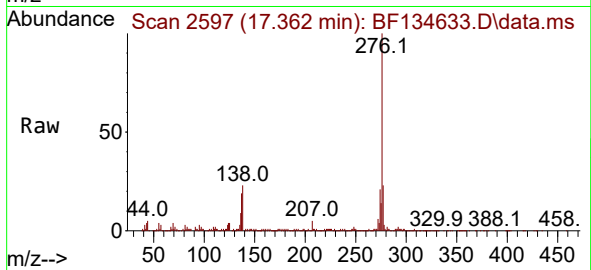
Acq: 04 Aug 2023 15:24

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-19-(0-5)



Tgt Ion:276 Resp: 181829

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.6

138 23.3 12.2 18.2#

