

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080423\
 Data File : BF134634.D
 Acq On : 04 Aug 2023 15:56
 Operator : CG\JU
 Sample : 03840-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUILDING-B-5-(5-10)

Quant Time: Aug 05 00:07:17 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)

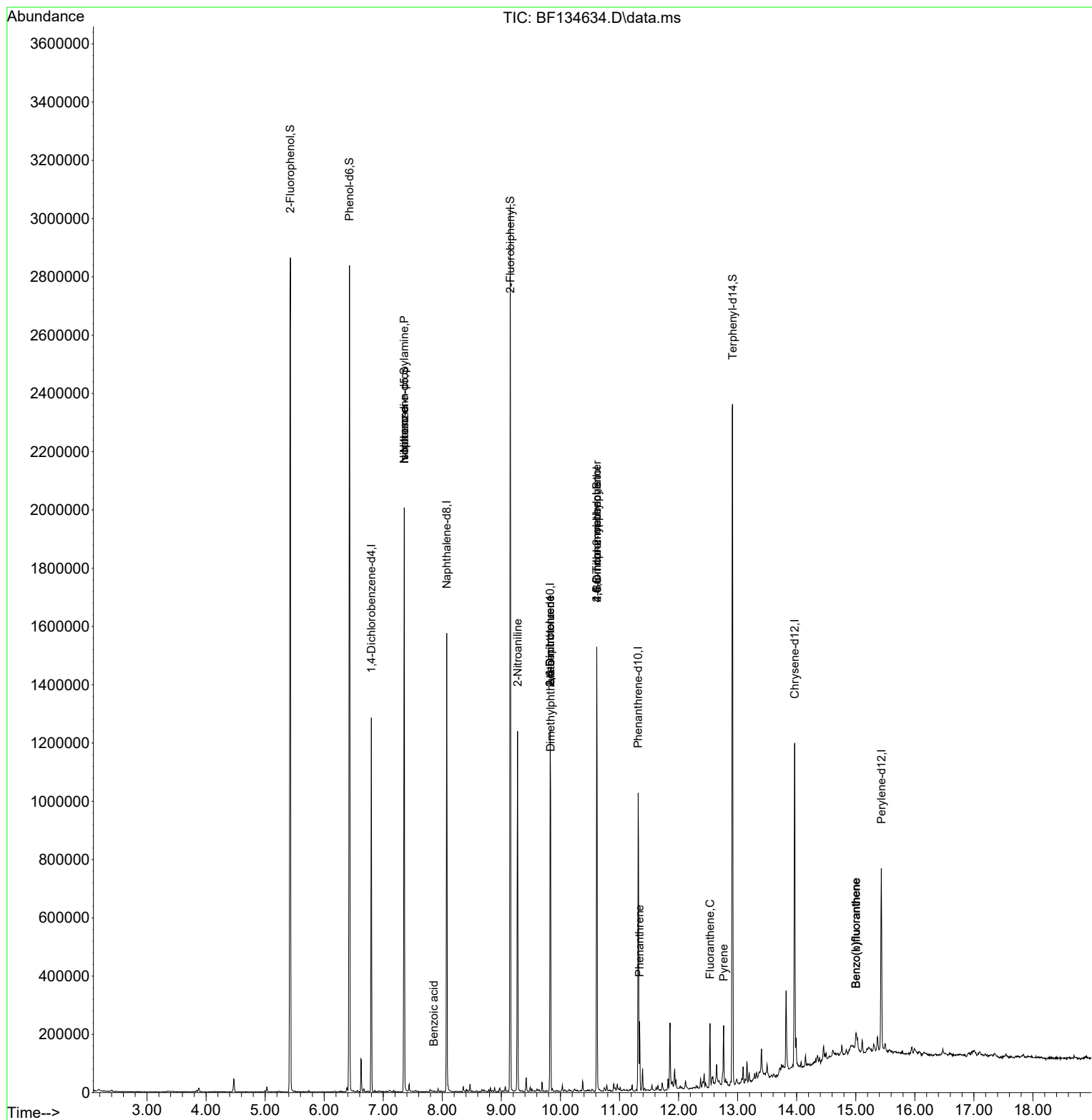
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	162784	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	602025	20.000	ng	# 0.00
39) Acenaphthene-d10	9.828	164	240912	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	359941	20.000	ng	# 0.00
76) Chrysene-d12	13.969	240	370666	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	273386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	784426	73.251	ng	0.00
7) Phenol-d6	6.428	99	982431	71.767	ng	-0.01
23) Nitrobenzene-d5	7.357	82	542768	56.342	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	168673	68.682	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	859592	59.326	ng	-0.01
79) Terphenyl-d14	12.916	244	870923	41.421	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.351	77	192	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	7.357	70	72700	8.870	ng	# 73
25) Isophorone	7.357	82	539678	25.685	ng	# 65
32) Benzoic acid	7.857	122	153	7.888	ng	# 34
48) 2-Nitroaniline	9.275	65	10471	5.401	ng	# 17
50) Dimethylphthalate	9.833	163	49799	3.033	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	30010	10.952	ng	# 17
57) 2,4-Dinitrotoluene	9.828	165	30010	9.797	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.616	198	432	8.942	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	10607	2.692	ng	# 1
71) Phenanthrene	11.339	178	79122	4.138	ng	95
75) Fluoranthene	12.533	202	79381	3.931	ng	97
78) Pyrene	12.763	202	76401	2.382	ng	99
88) Benzo(b)fluoranthene	15.004	252	36584	2.194	ng	# 93
89) Benzo(k)fluoranthene	15.004	252	36584	2.203	ng	# 92

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

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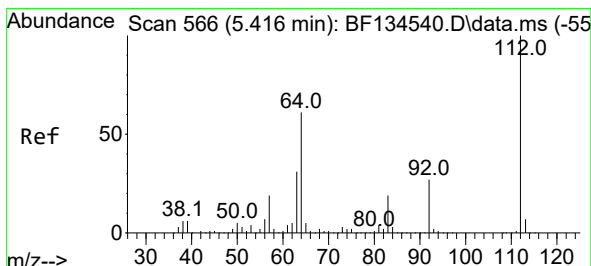
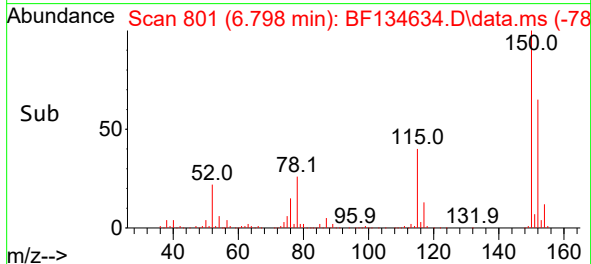
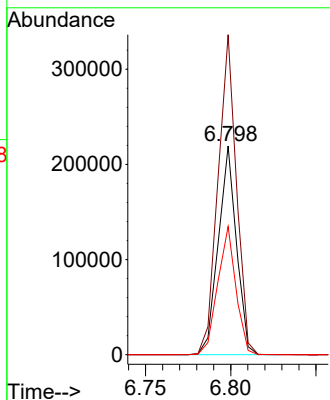
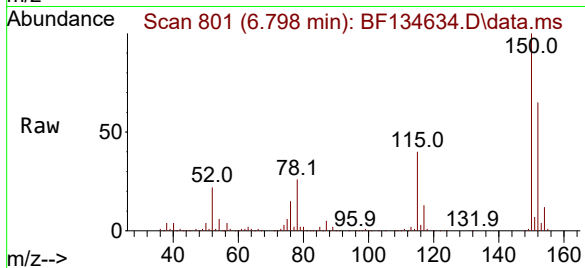




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

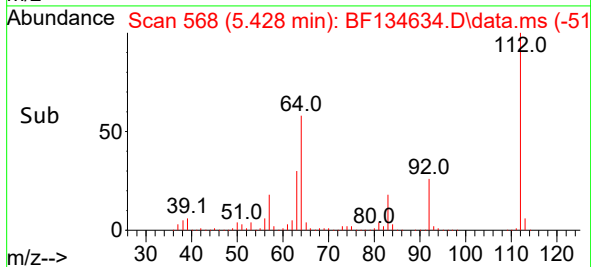
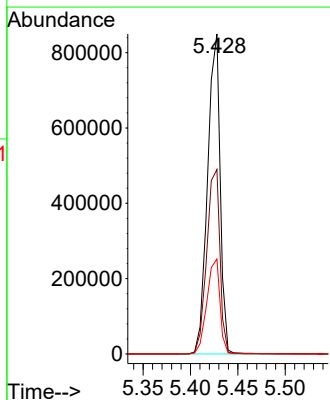
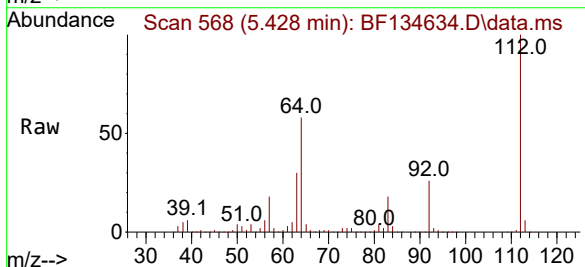
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

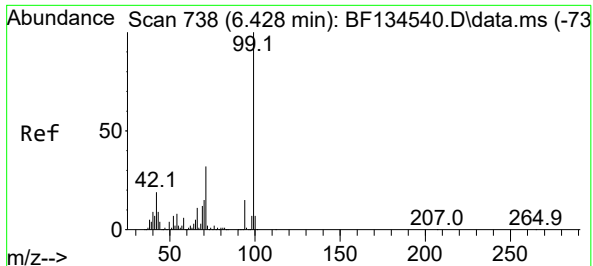
Tgt Ion:152 Resp: 162784
Ion Ratio Lower Upper
152 100
150 153.4 128.3 192.5
115 61.4 52.4 78.6



#5
2-Fluorophenol
Concen: 73.251 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion:112 Resp: 784426
Ion Ratio Lower Upper
112 100
64 57.6 44.9 67.3
63 29.7 25.4 38.0

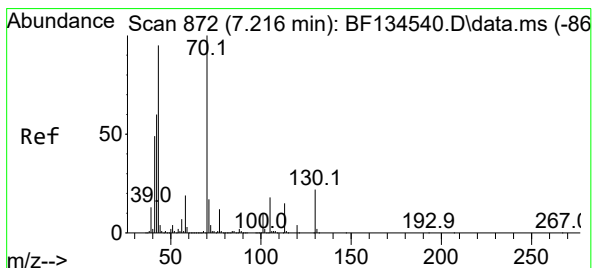
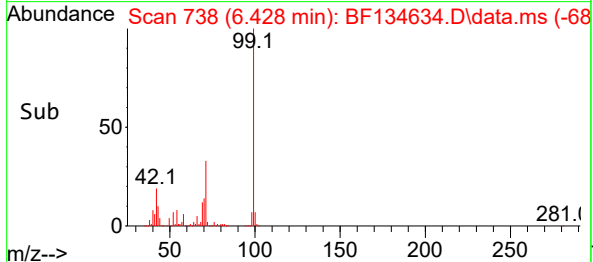
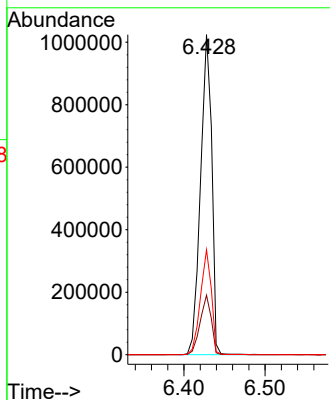
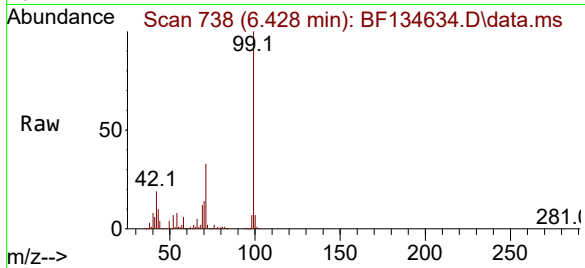




#7
Phenol-d6
Concen: 71.767 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

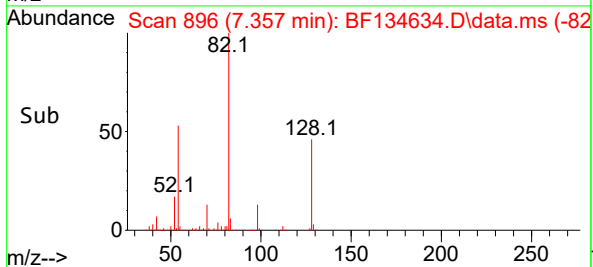
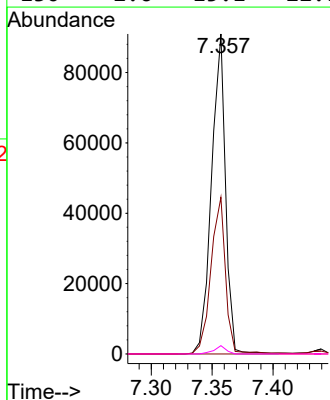
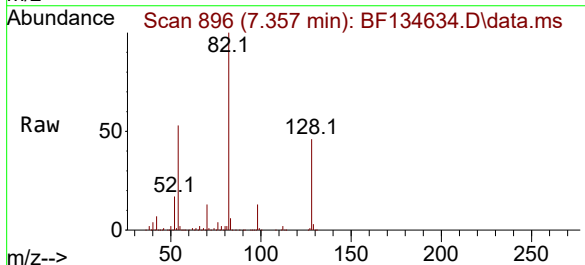
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

Tgt Ion: 99 Resp: 982431
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.8 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.870 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion: 70 Resp: 72700
Ion Ratio Lower Upper
70 100
42 49.0 54.7 82.1#
101 0.0 8.2 12.2#
130 2.6 15.1 22.7#

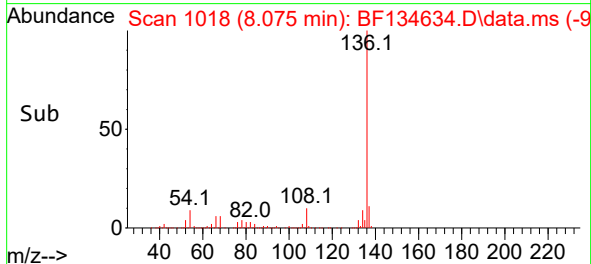
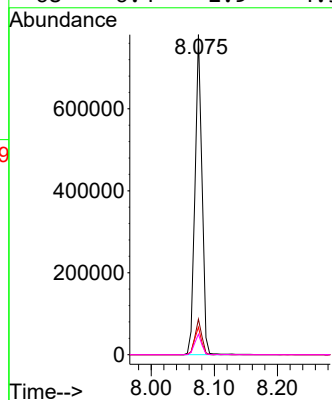
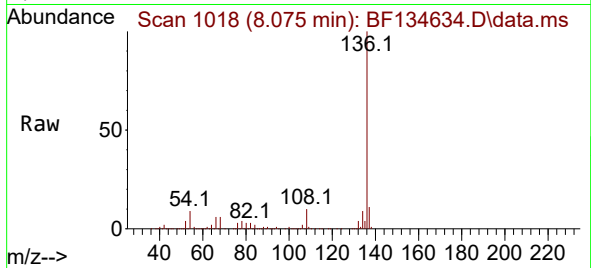




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

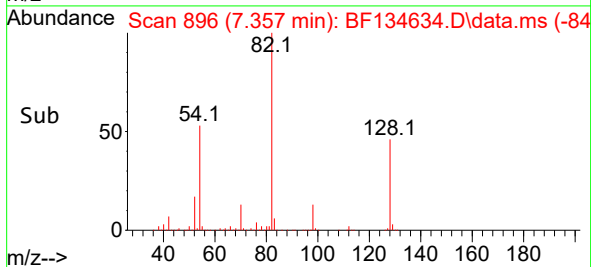
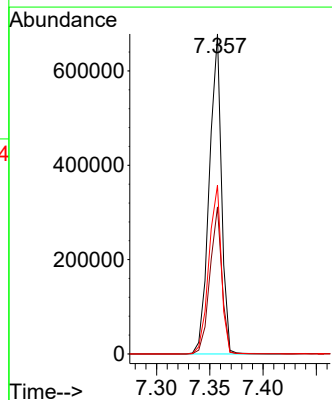
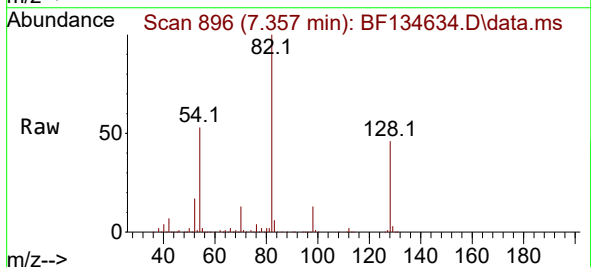
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

Tgt Ion:136 Resp: 602025
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 8.6 5.2 7.8#
68 6.4 2.9 4.3#



#23
Nitrobenzene-d5
Concen: 56.342 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion: 82 Resp: 542768
Ion Ratio Lower Upper
82 100
128 46.0 34.3 51.5
54 52.8 43.8 65.6

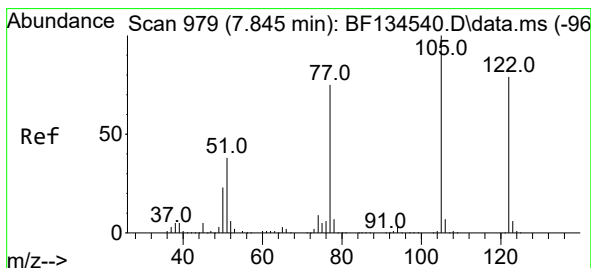
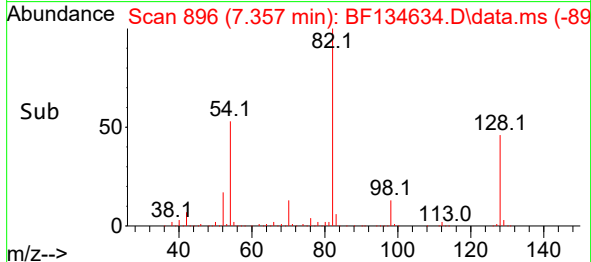
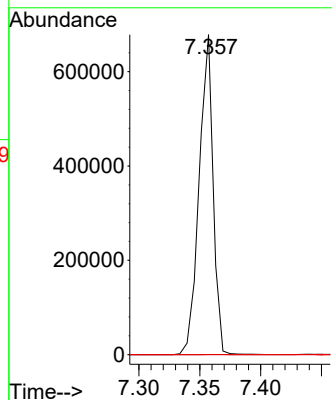
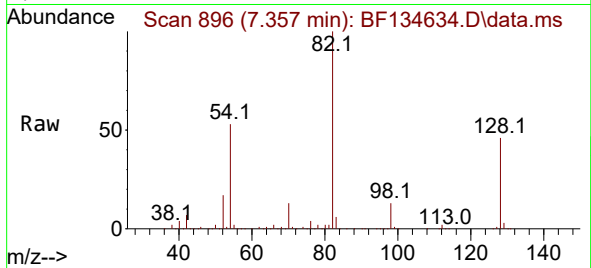




#25
Isophorone
Concen: 25.685 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.270 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

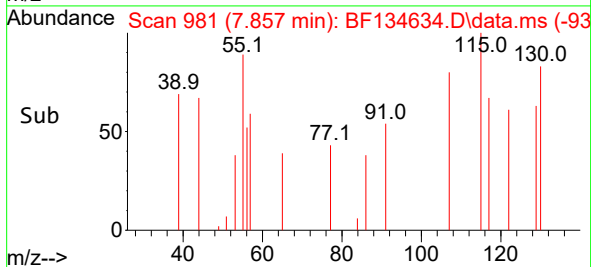
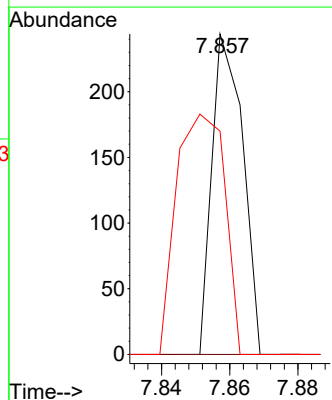
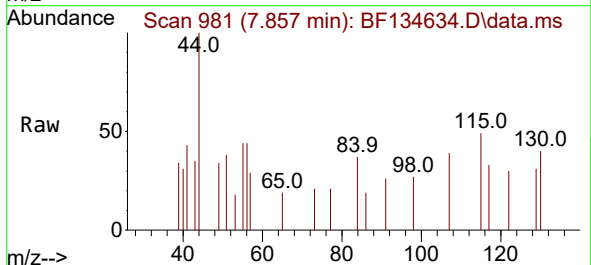
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

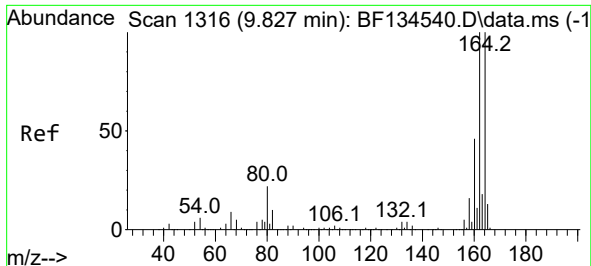
Tgt Ion: 82 Resp: 539678
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.888 ng
RT: 7.857 min Scan# 981
Delta R.T. -0.006 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion:122 Resp: 153
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 69.7 71.4 111.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-5-(5-10)

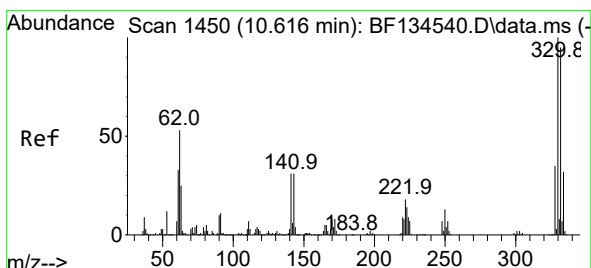
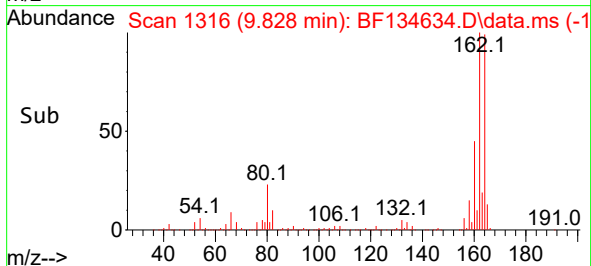
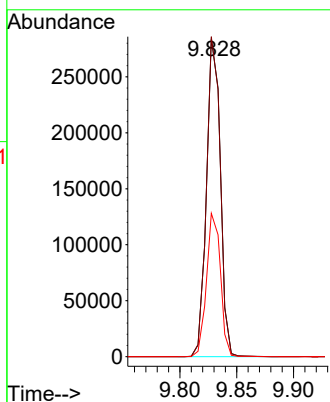
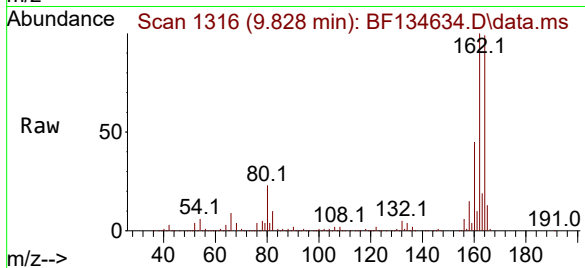
Tgt Ion:164 Resp: 240912

Ion Ratio Lower Upper

164 100

162 100.6 82.6 123.8

160 45.1 37.2 55.8



#42

2,4,6-Tribromophenol

Concen: 68.682 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

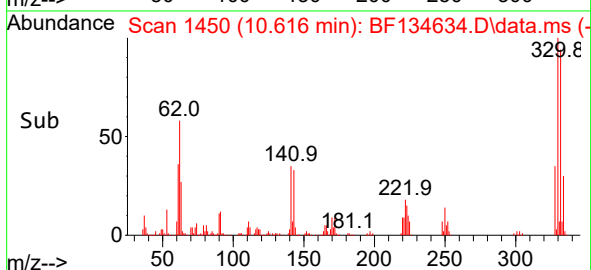
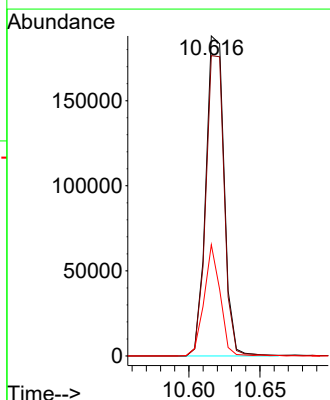
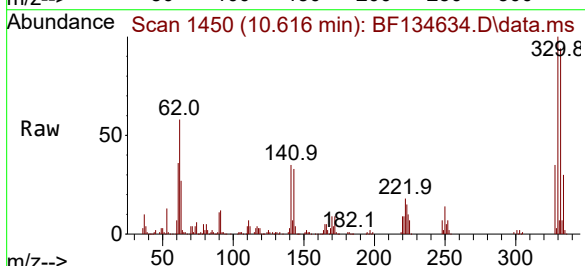
Tgt Ion:330 Resp: 168673

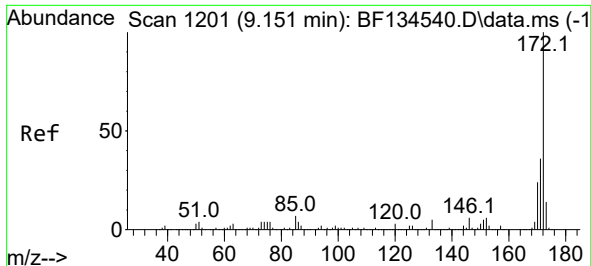
Ion Ratio Lower Upper

330 100

332 94.5 78.8 118.2

141 30.5 25.4 38.2





#45

2-Fluorobiphenyl

Concen: 59.326 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-5-(5-10)

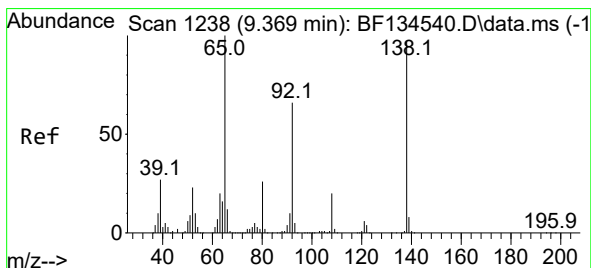
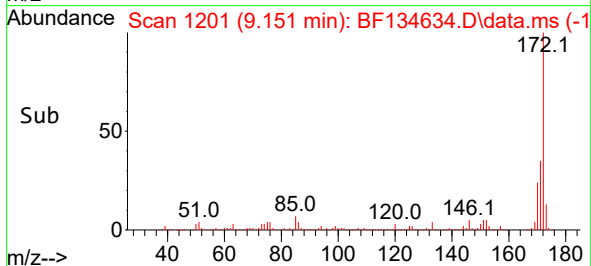
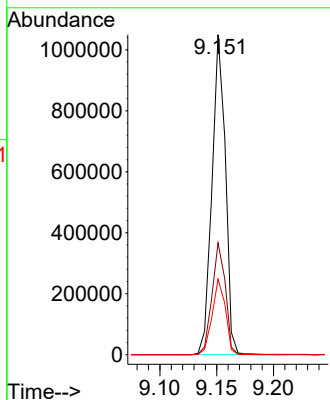
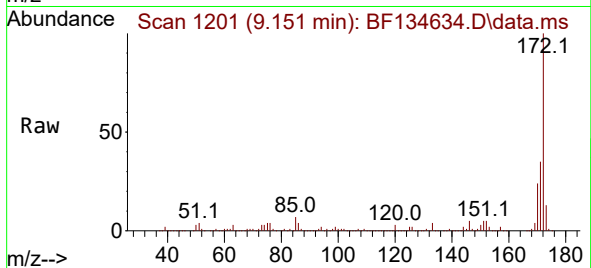
Tgt Ion:172 Resp: 859592

Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.6 18.7 28.1



#48

2-Nitroaniline

Concen: 5.401 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.106 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

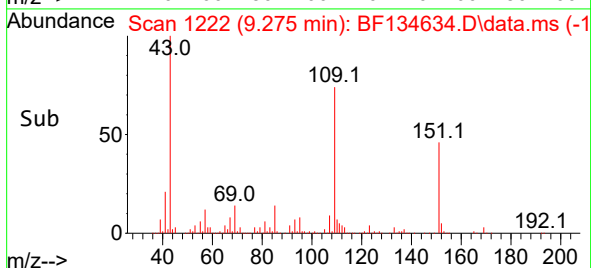
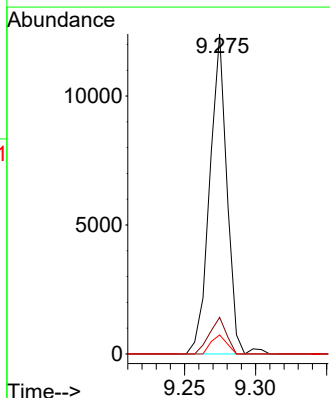
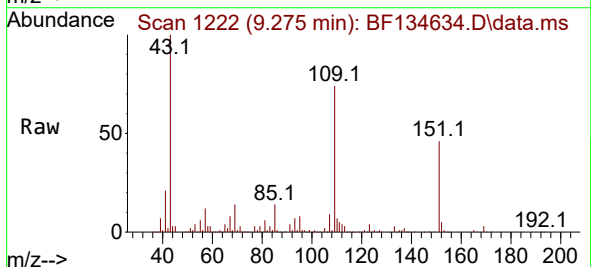
Tgt Ion: 65 Resp: 10471

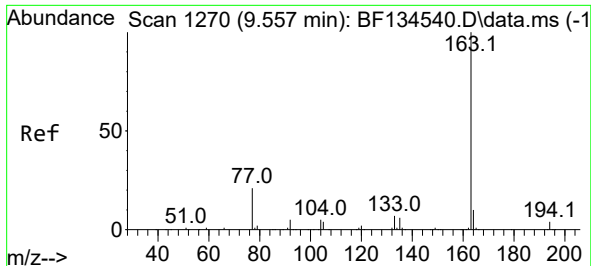
Ion Ratio Lower Upper

65 100

92 11.5 50.7 76.1#

138 5.9 78.2 117.4#

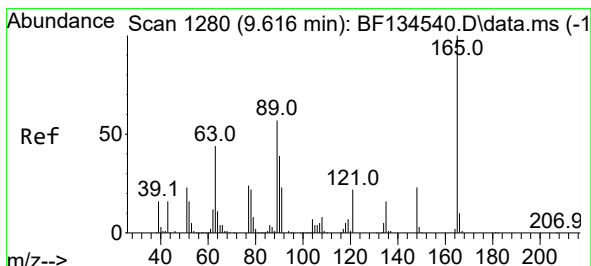
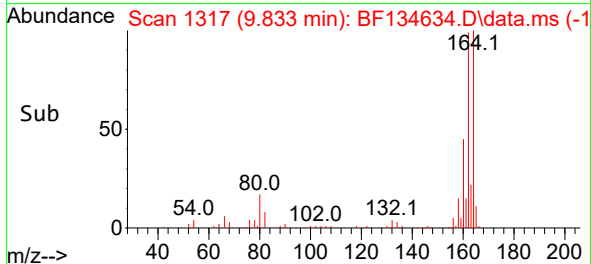
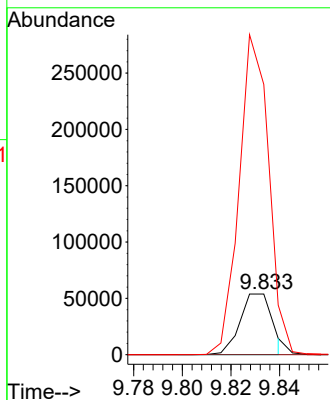
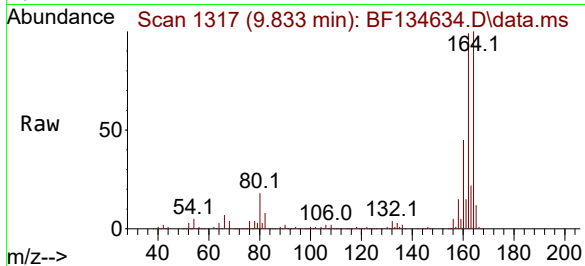




#50
Dimethylphthalate
Concen: 3.033 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

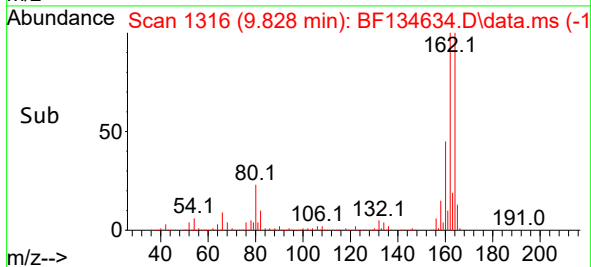
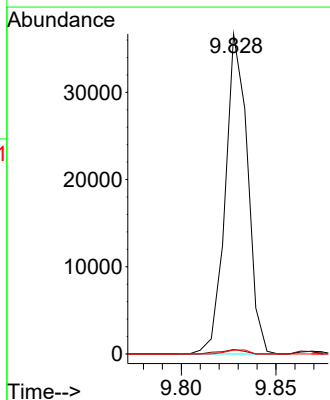
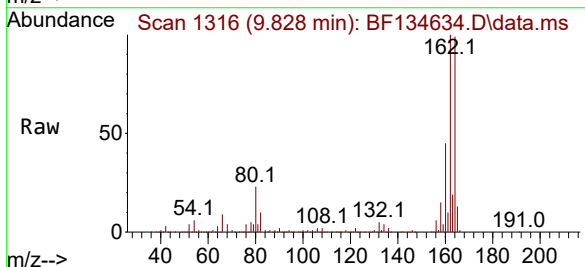
Instrument :
BNA_F
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BUILDING-B-5-(5-10)

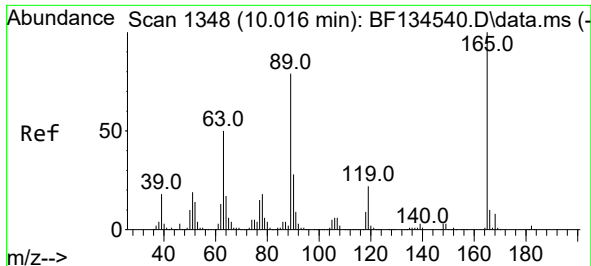
Tgt Ion:163 Resp: 49799
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 446.1 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 10.952 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion:165 Resp: 30010
Ion Ratio Lower Upper
165 100
63 1.4 57.8 86.6#
89 1.2 51.8 77.8#

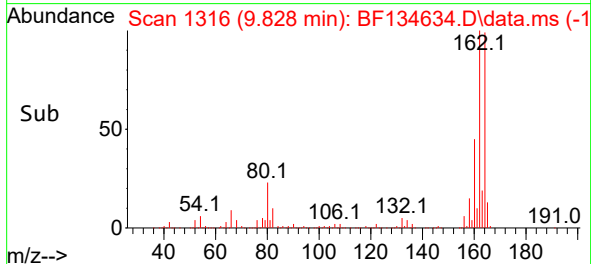
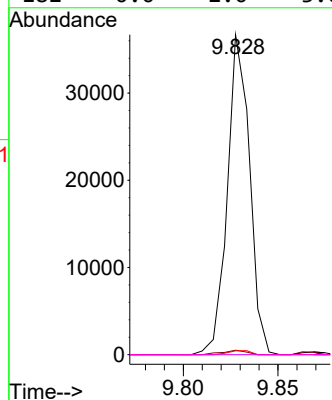
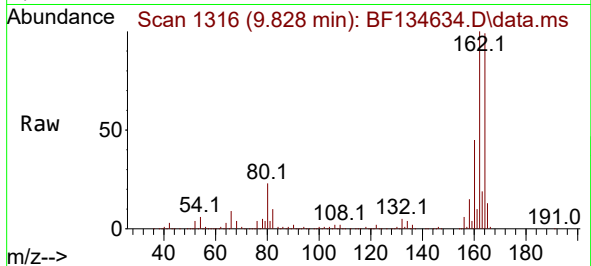




#57
2,4-Dinitrotoluene
Concen: 9.797 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

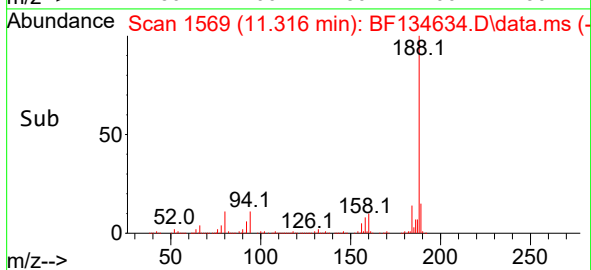
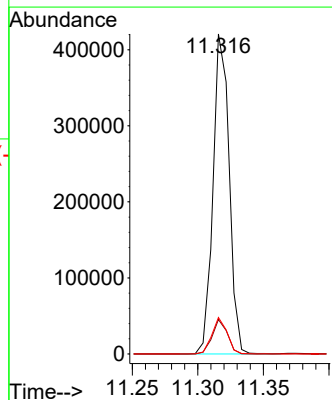
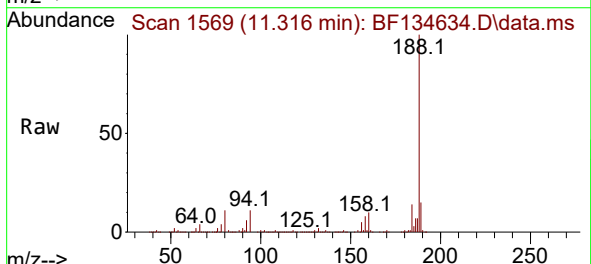
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

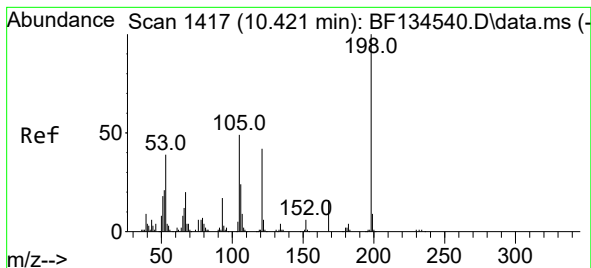
Tgt Ion:165 Resp: 30010
Ion Ratio Lower Upper
165 100
63 1.4 48.9 73.3#
89 1.2 61.7 92.5#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion:188 Resp: 359941
Ion Ratio Lower Upper
188 100
94 10.7 5.1 7.7#
80 11.4 6.6 9.8#

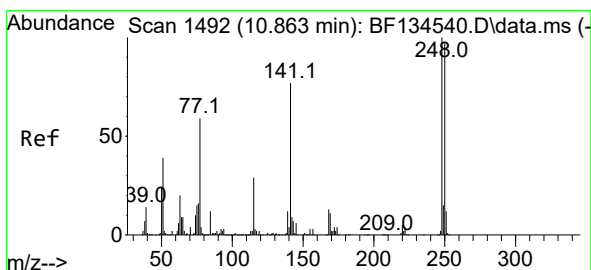
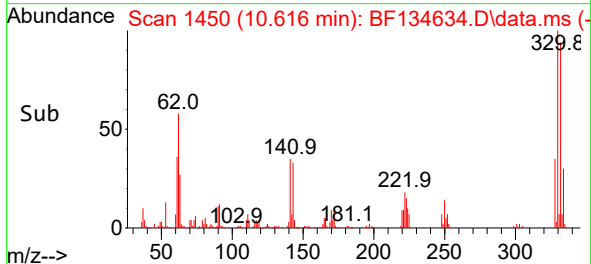
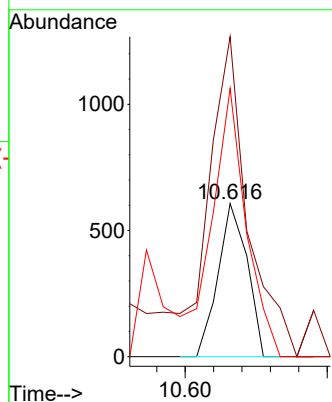
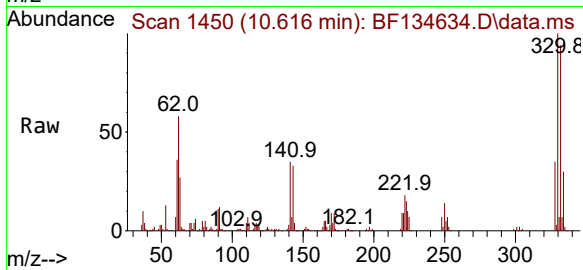




#65
4,6-Dinitro-2-methylphenol
Concen: 8.942 ng
RT: 10.616 min Scan# 1417
Delta R.T. 0.177 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

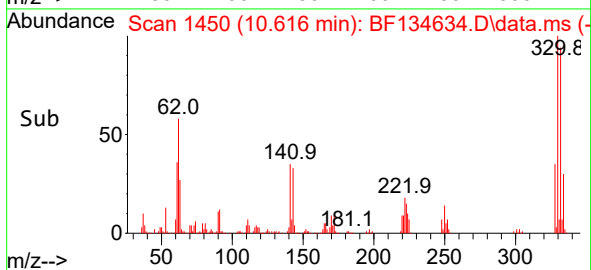
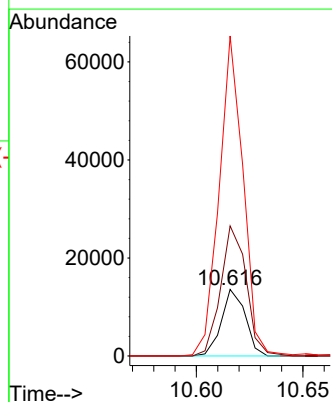
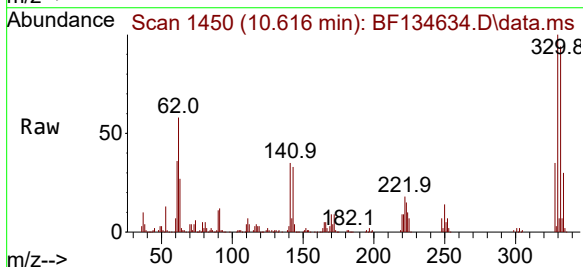
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

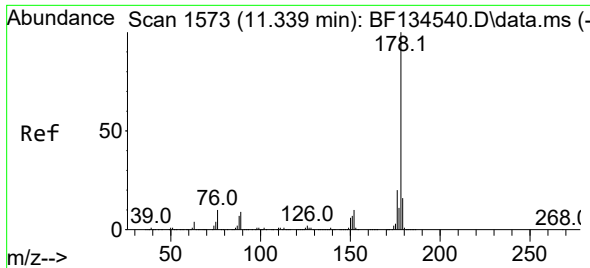
Tgt Ion:198 Resp: 432
Ion Ratio Lower Upper
198 100
51 208.9 38.6 78.6#
105 175.1 27.9 67.9#



#67
4-Bromophenyl-phenylether
Concen: 2.692 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.253 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion:248 Resp: 10607
Ion Ratio Lower Upper
248 100
250 195.7 79.6 119.4#
141 481.2 59.6 89.4#

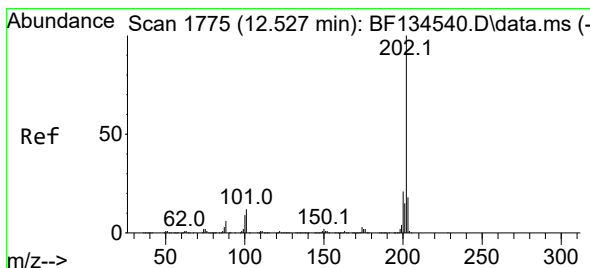
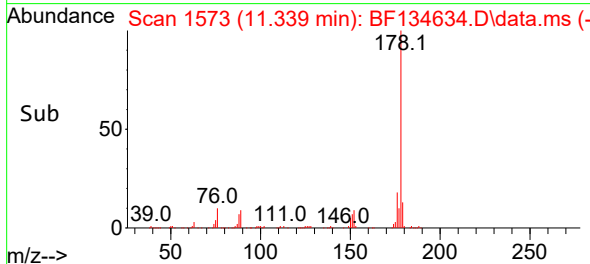
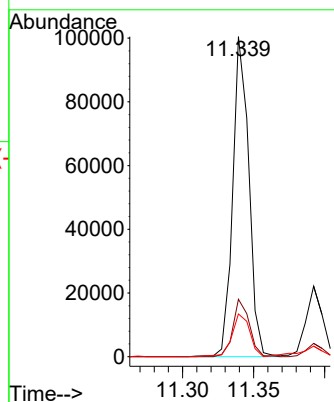
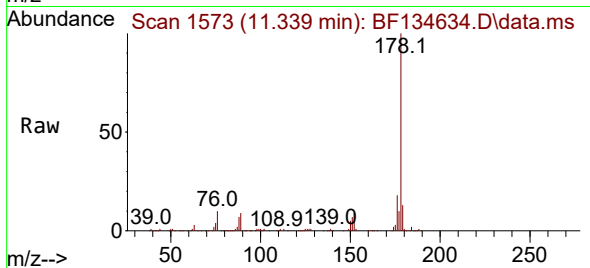




#71
Phenanthrene
Concen: 4.138 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

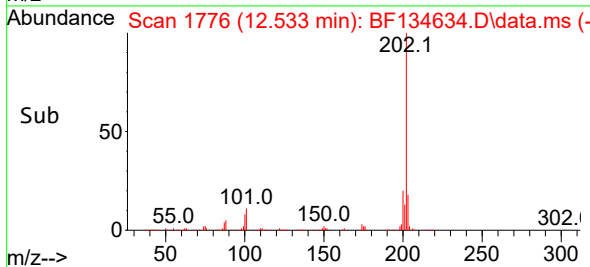
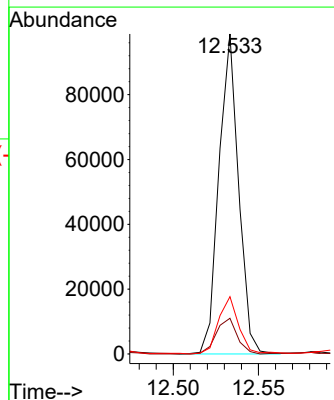
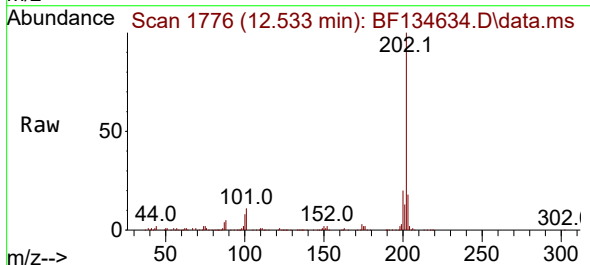
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

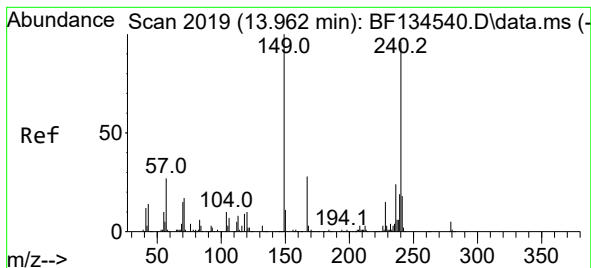
Tgt Ion:178 Resp: 79122
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.6
179 13.4 12.7 19.1



#75
Fluoranthene
Concen: 3.931 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion:202 Resp: 79381
Ion Ratio Lower Upper
202 100
101 11.1 0.0 28.5
203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-5-(5-10)

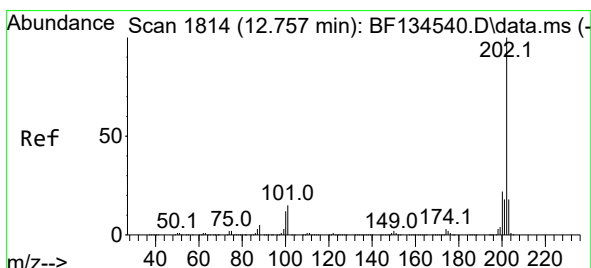
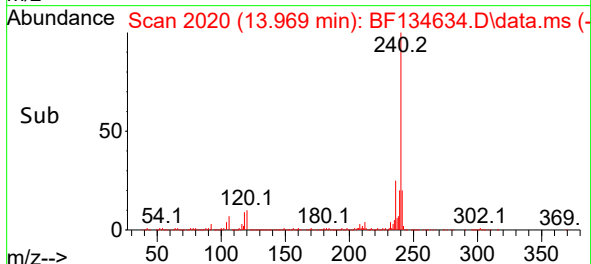
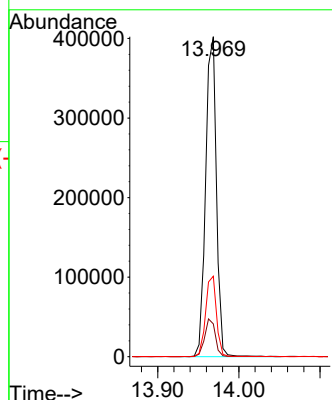
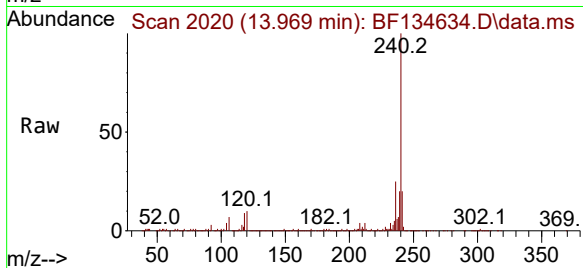
Tgt Ion:240 Resp: 370666

Ion Ratio Lower Upper

240 100

120 10.3 6.6 10.0#

236 25.2 20.2 30.2



#78

Pyrene

Concen: 2.382 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

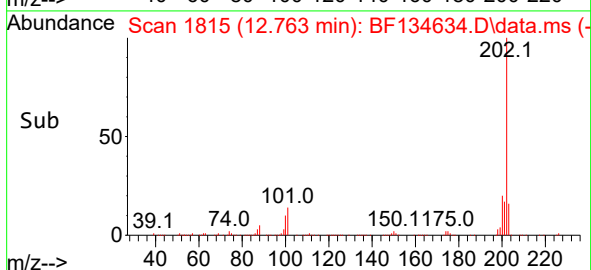
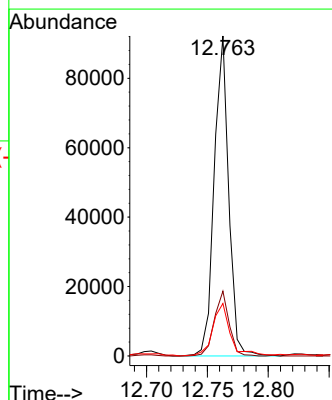
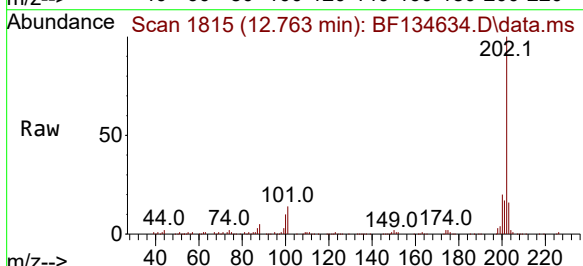
Tgt Ion:202 Resp: 76401

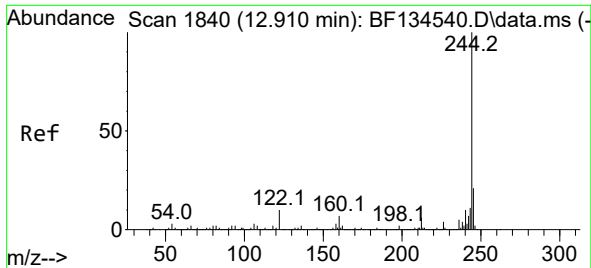
Ion Ratio Lower Upper

202 100

200 20.3 15.8 23.8

203 16.4 13.5 20.3

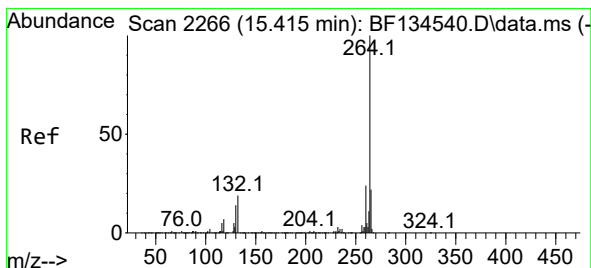
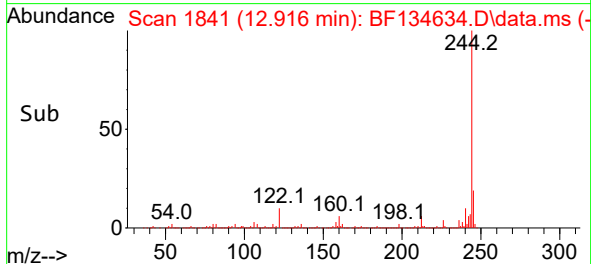
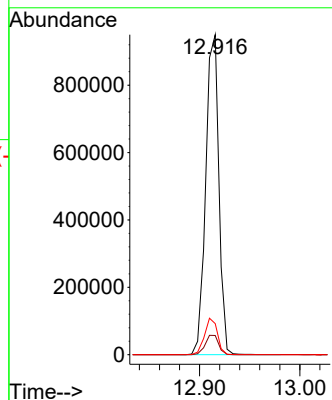
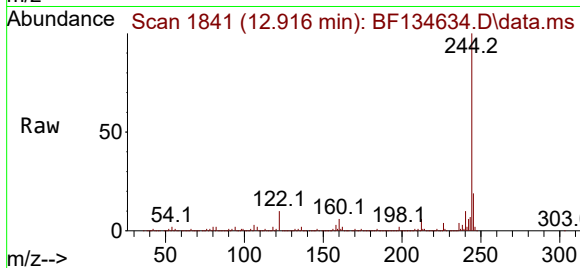




#79
Terphenyl-d14
Concen: 41.421 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

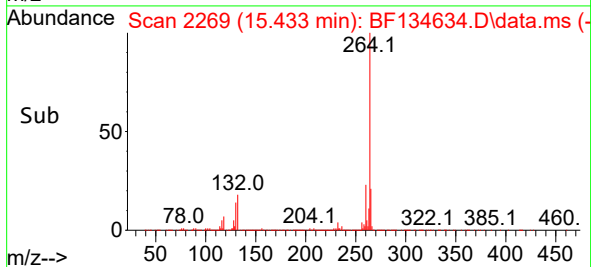
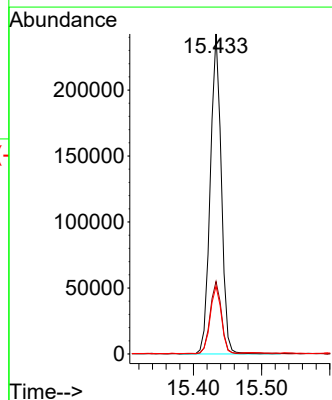
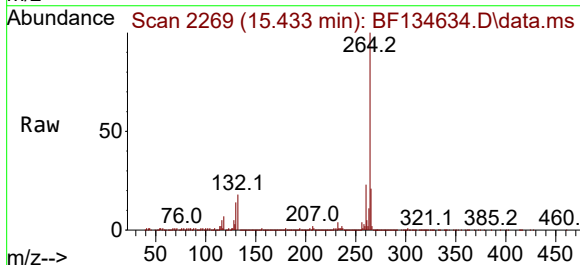
Instrument :
BNA_F
ClientSampleId :
BUILDING-B-5-(5-10)

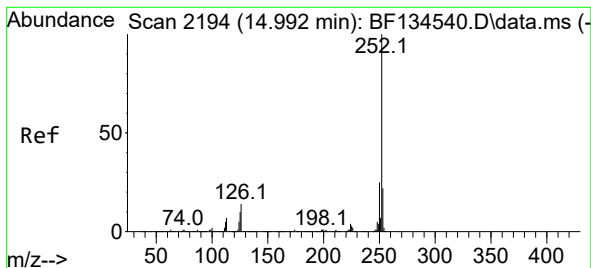
Tgt Ion:244 Resp: 870923
Ion Ratio Lower Upper
244 100
212 6.0 5.6 8.4
122 9.7 8.0 12.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF134634.D
Acq: 04 Aug 2023 15:56

Tgt Ion:264 Resp: 273386
Ion Ratio Lower Upper
264 100
260 22.7 18.4 27.6
265 21.1 15.8 23.8





#88

Benzo(b)fluoranthene

Concen: 2.194 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

Instrument :

BNA_F

ClientSampleId :

BUILDING-B-5-(5-10)

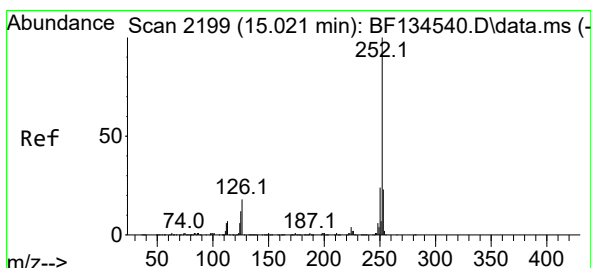
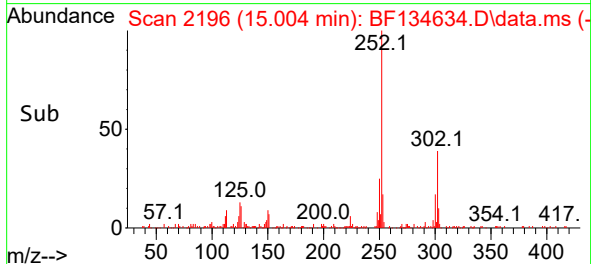
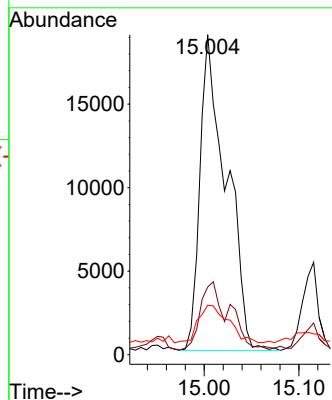
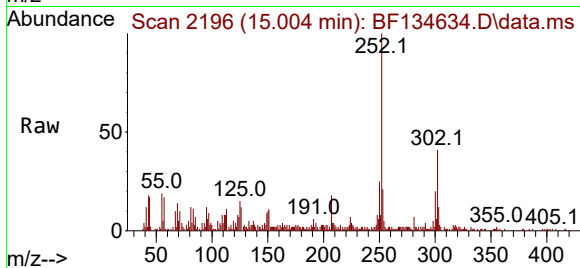
Tgt Ion:252 Resp: 36584

Ion Ratio Lower Upper

252 100

253 21.1 17.3 25.9

125 15.4 6.0 9.0#



#89

Benzo(k)fluoranthene

Concen: 2.203 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.035 min

Lab File: BF134634.D

Acq: 04 Aug 2023 15:56

Tgt Ion:252 Resp: 36584

Ion Ratio Lower Upper

252 100

253 21.1 17.9 26.9

125 15.4 6.3 9.5#

