

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026830.D
 Acq On : 07 Aug 2023 14:38
 Operator : MA/JU
 Sample : 03840-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 08 00:50:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 00:35:47 2023
 Response via : Initial Calibration

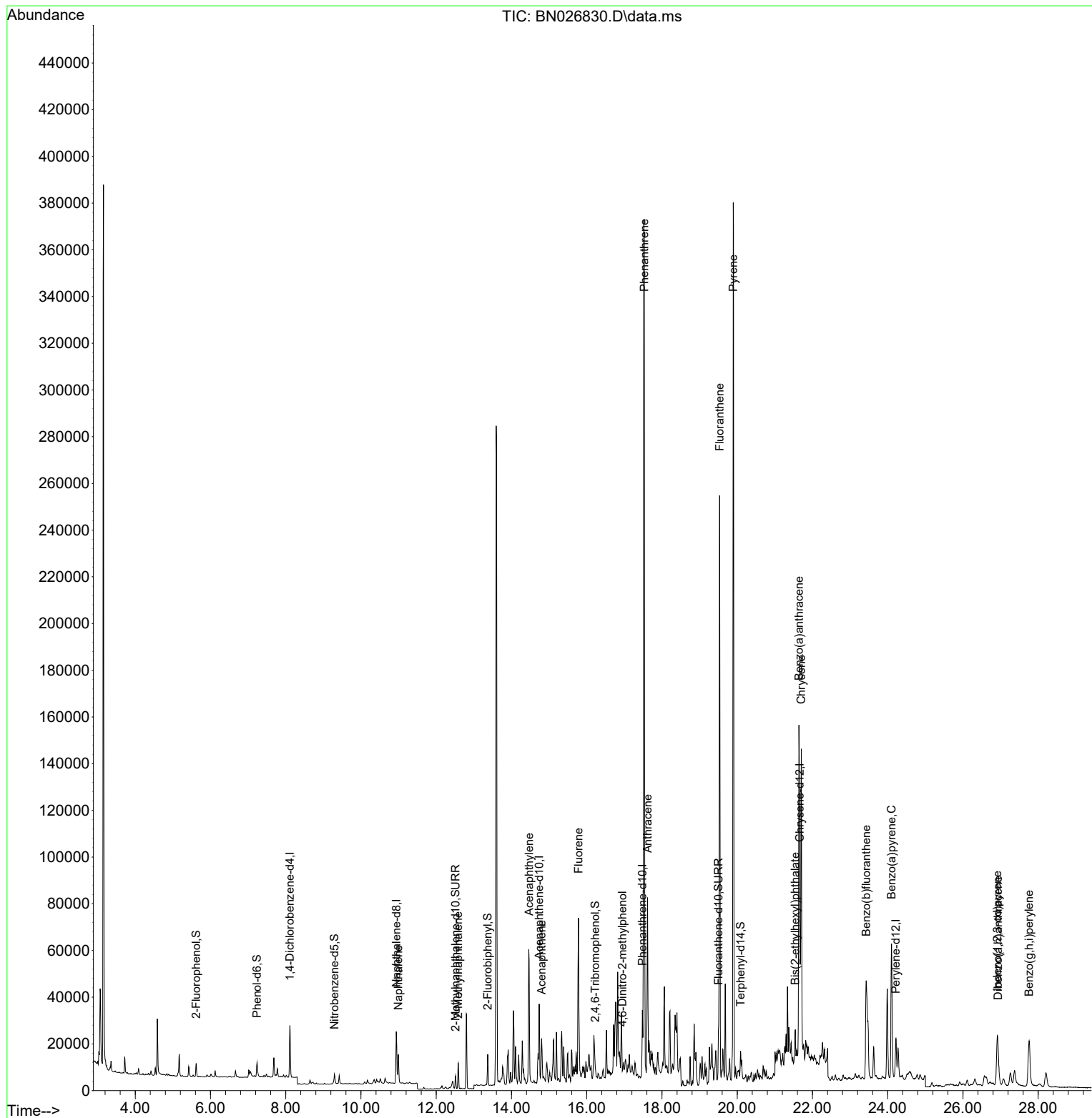
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	10784	0.400	ng	-0.01
7) Naphthalene-d8	10.938	136	31210	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	18491	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	37496	0.400	ng	-0.01
29) Chrysene-d12	21.659	240	27872	0.400	ng	#-0.02
35) Perylene-d12	24.218	264	26930	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	4528	0.166	ng	0.00
5) Phenol-d6	7.235	99	5555	0.157	ng	0.00
8) Nitrobenzene-d5	9.294	82	3224	0.174	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	7098	0.159	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	1059	0.168	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	10991	0.146	ng	-0.01
27) Fluoranthene-d10	19.500	212	13332	0.148	ng	-0.01
31) Terphenyl-d14	20.090	244	9837	0.169	ng	-0.02
Target Compounds						
9) Naphthalene	10.991	128	16512	0.192	ng	99
12) 2-Methylnaphthalene	12.585	142	7600	0.130	ng	98
16) Acenaphthylene	14.469	152	64814	0.709	ng	# 97
17) Acenaphthene	14.801	154	9082	0.158	ng	# 87
18) Fluorene	15.779	166	53498	0.717	ng	# 94
20) 4,6-Dinitro-2-methylph...	16.946	198	161	0.265	ng	# 61
25) Phenanthrene	17.530	178	439276	3.857	ng	99
26) Anthracene	17.616	178	85880	0.844	ng	99
28) Fluoranthene	19.532	202	221969	1.751	ng	97
30) Pyrene	19.895	202	350490	2.910	ng	97
32) Benzo(a)anthracene	21.641	228	127280	1.330	ng	94
33) Chrysene	21.703	228	129363	1.223	ng	# 96
34) Bis(2-ethylhexyl)phtha...	21.542	149	9203	0.290	ng	98
36) Indeno(1,2,3-cd)pyrene	26.913	276	42098	0.383	ng	93
37) Benzo(b)fluoranthene	23.428	252	93694	0.884	ng	97
39) Benzo(a)pyrene	24.101	252	94157	0.974	ng	97
40) Dibenzo(a,h)anthracene	26.931	278	12120	0.142	ng	# 76
41) Benzo(g,h,i)perylene	27.758	276	49821	0.493	ng	98

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

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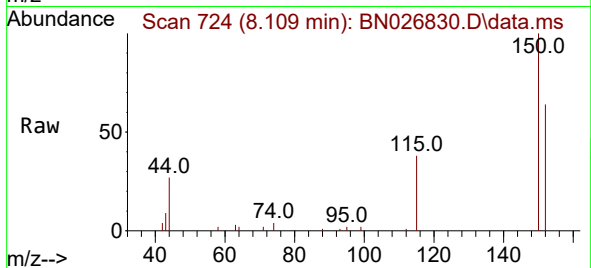
Quant Time: Aug 08 00:50:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 02 00:35:47 2023
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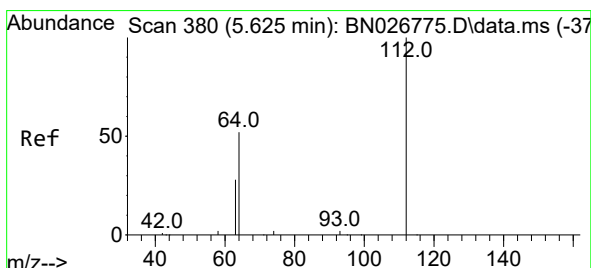
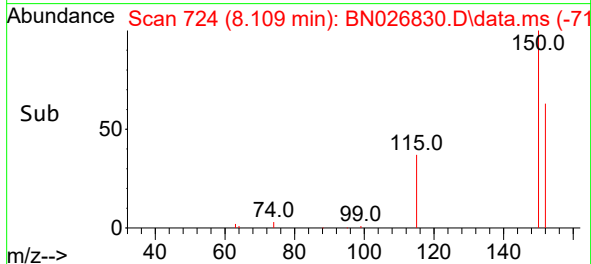
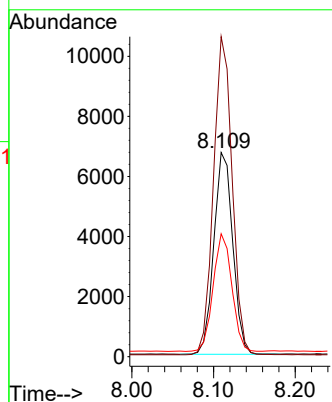


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.015 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

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

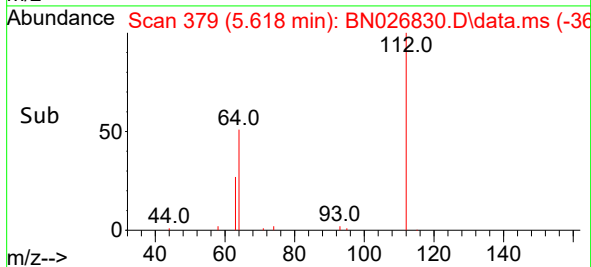
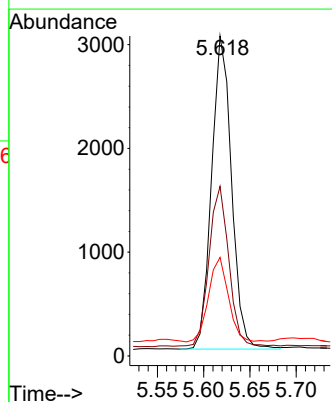
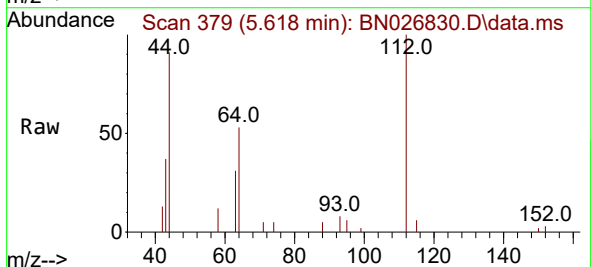


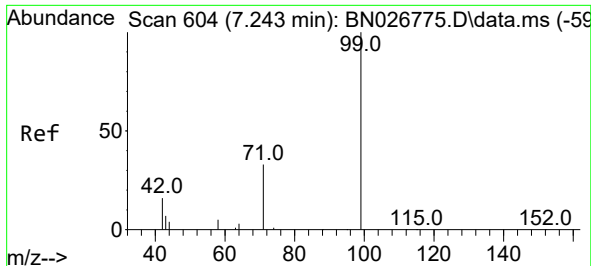
Tgt Ion:152 Resp: 10784
Ion Ratio Lower Upper
152 100
150 156.8 123.8 185.8
115 60.2 48.0 72.0



#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:112 Resp: 4528
Ion Ratio Lower Upper
112 100
64 50.5 42.2 63.2
63 26.8 22.7 34.1

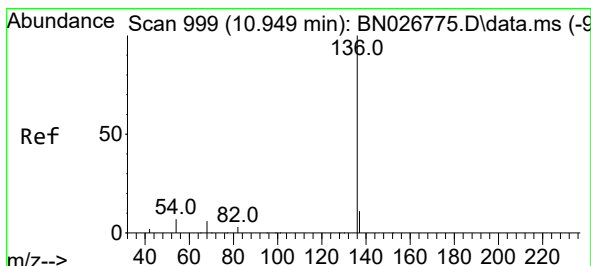
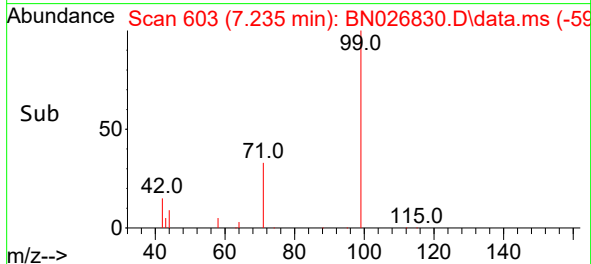
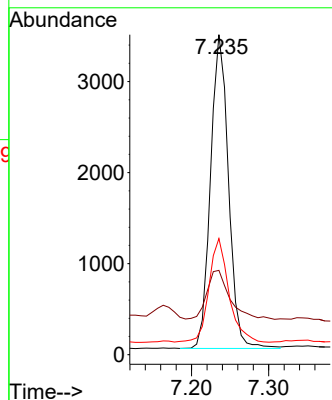
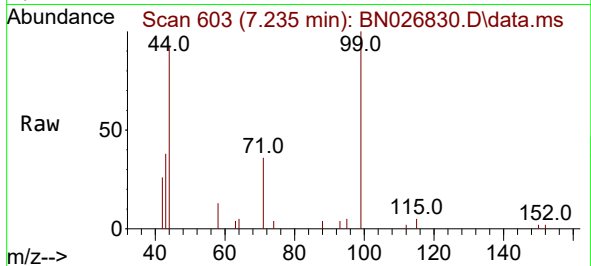




#5
Phenol-d6
Concen: 0.157 ng
RT: 7.235 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

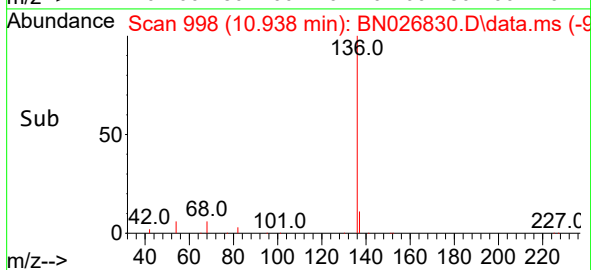
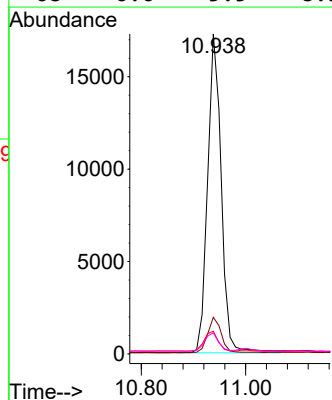
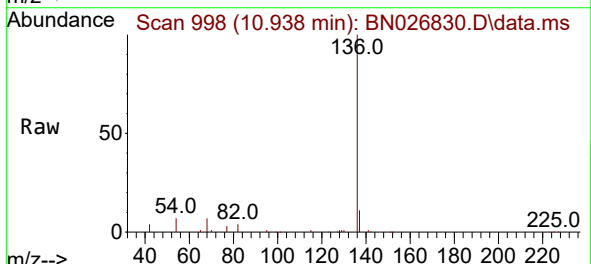
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

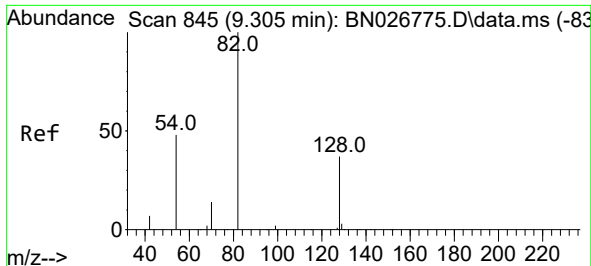
Tgt Ion: 99 Resp: 5555
Ion Ratio Lower Upper
99 100
42 19.4 14.6 22.0
71 36.7 26.6 40.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion: 136 Resp: 31210
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.1 6.2 9.2
68 6.6 5.5 8.3

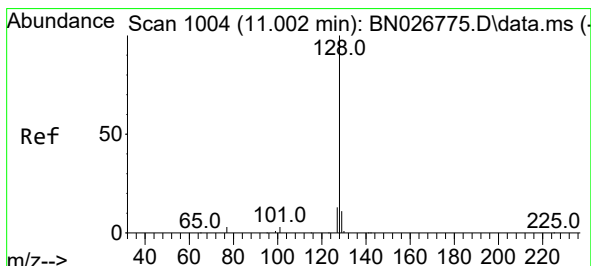
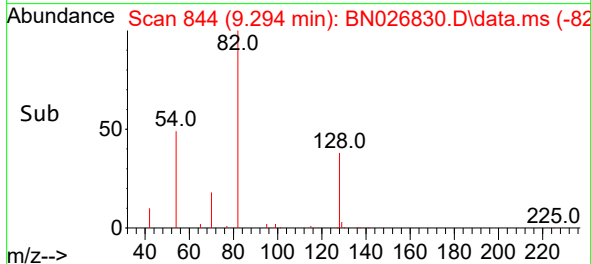
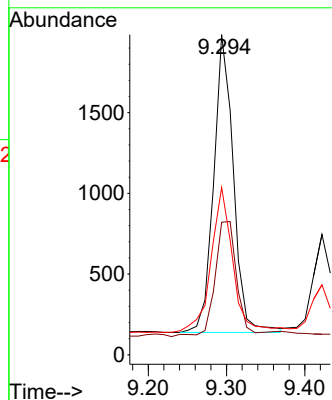
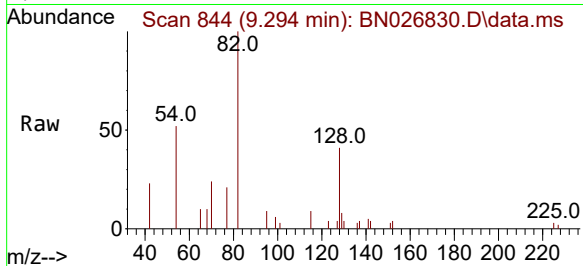




#8
Nitrobenzene-d5
Concen: 0.174 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

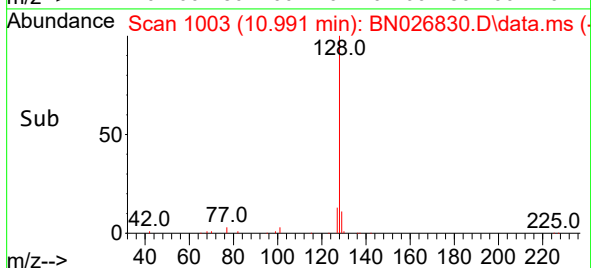
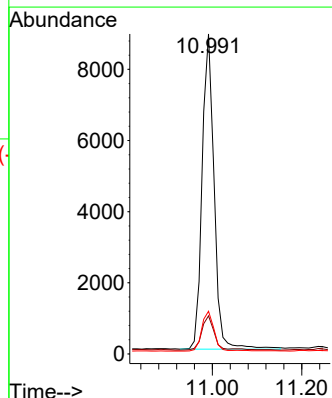
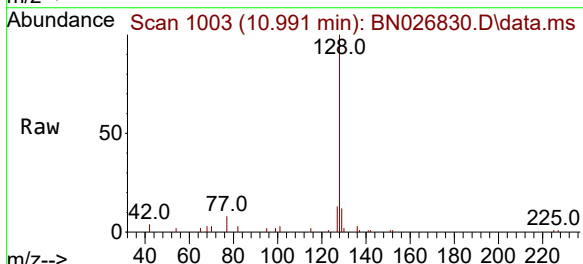
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

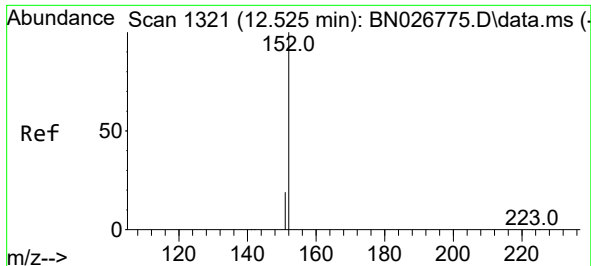
Tgt Ion:	82	Resp:	3224
Ion Ratio	Lower	Upper	
82	100		
128	41.4	30.5	45.7
54	52.2	39.4	59.2



#9
Naphthalene
Concen: 0.192 ng
RT: 10.991 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:	128	Resp:	16512
Ion Ratio	Lower	Upper	
128	100		
129	11.9	9.0	13.4
127	13.3	10.6	16.0

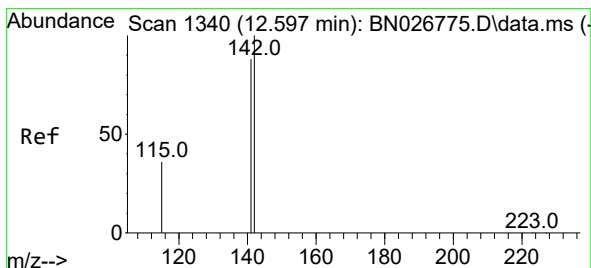
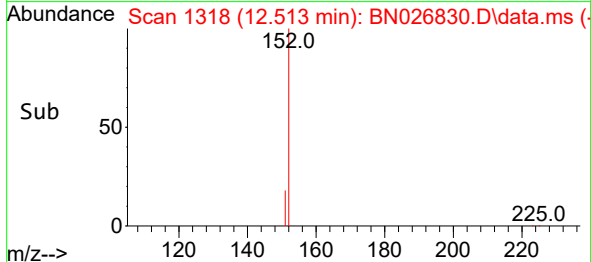
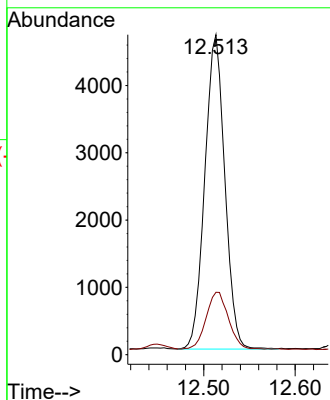
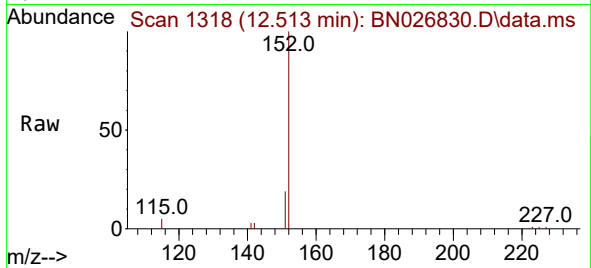




#11
2-Methylnaphthalene-d10
Concen: 0.159 ng
RT: 12.513 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

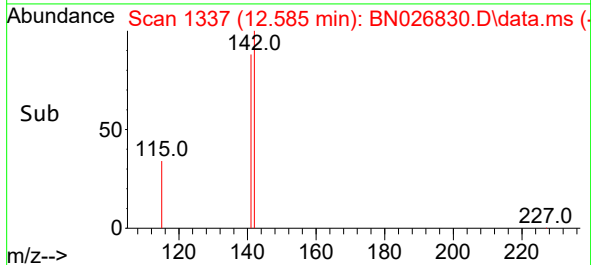
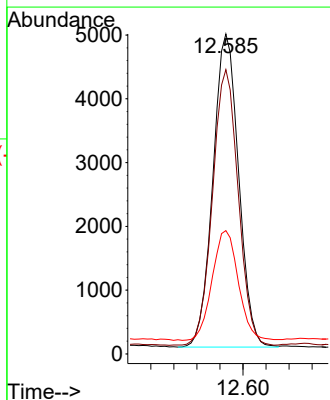
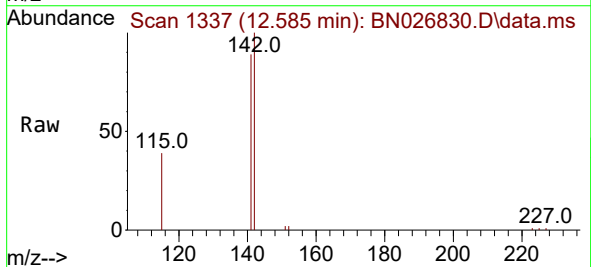
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

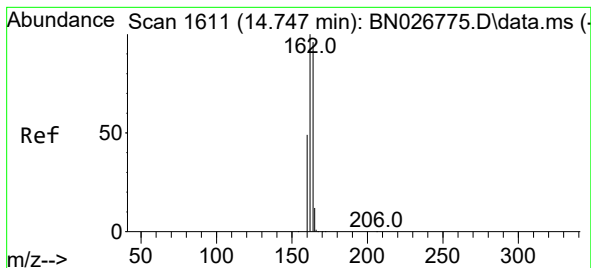
Tgt Ion:152 Resp: 7098
Ion Ratio Lower Upper
152 100
151 20.2 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.130 ng
RT: 12.585 min Scan# 1337
Delta R.T. -0.011 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:142 Resp: 7600
Ion Ratio Lower Upper
142 100
141 88.9 70.3 105.5
115 38.6 29.2 43.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.737 min Scan# 1610

Delta R.T. -0.011 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-5-(5-10)

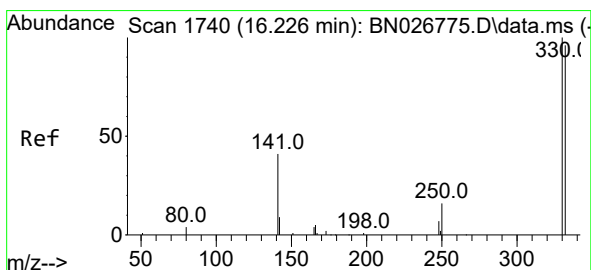
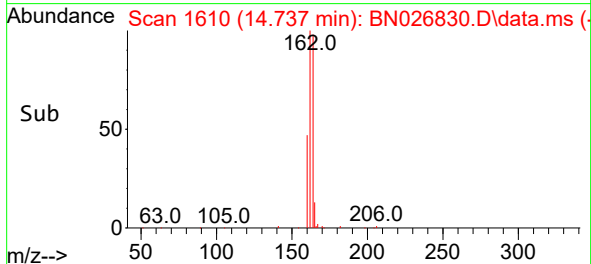
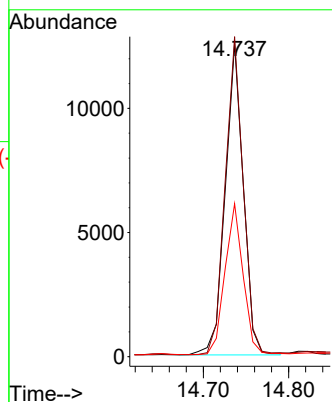
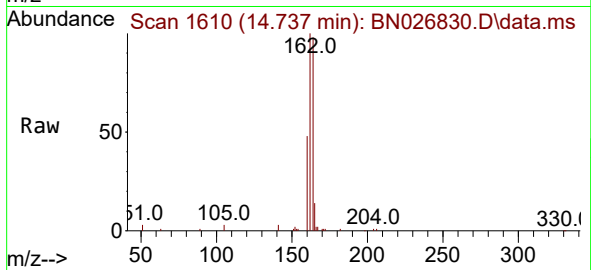
Tgt Ion:164 Resp: 18491

Ion Ratio Lower Upper

164 100

162 102.2 83.0 124.6

160 48.9 40.8 61.2



#14

2,4,6-Tribromophenol

Concen: 0.168 ng

RT: 16.226 min Scan# 1740

Delta R.T. -0.000 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

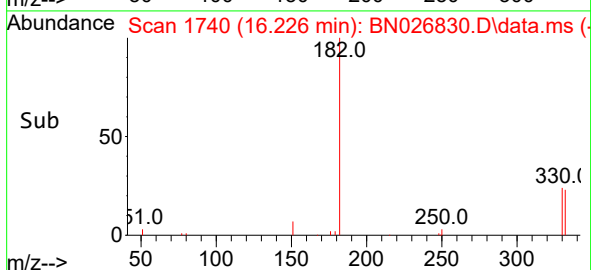
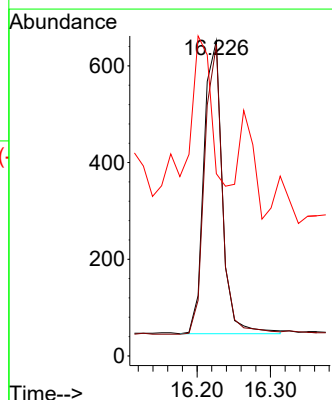
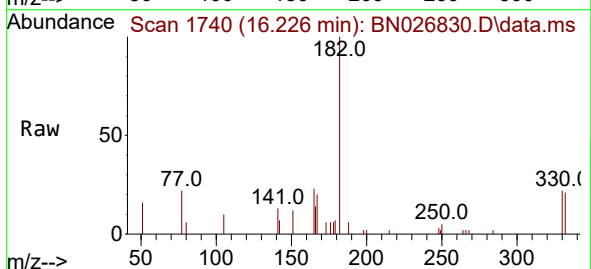
Tgt Ion:330 Resp: 1059

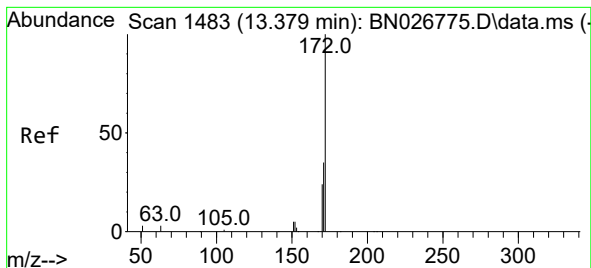
Ion Ratio Lower Upper

330 100

332 95.5 77.8 116.6

141 0.0 34.8 52.2#





#15

2-Fluorobiphenyl

Concen: 0.146 ng

RT: 13.368 min Scan# 1482

Delta R.T. -0.011 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

Instrument :

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ClientSampleId :

BUILDING-B-5-(5-10)

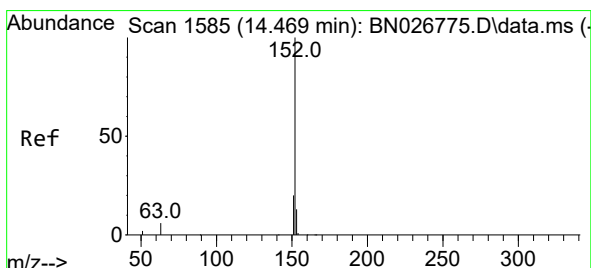
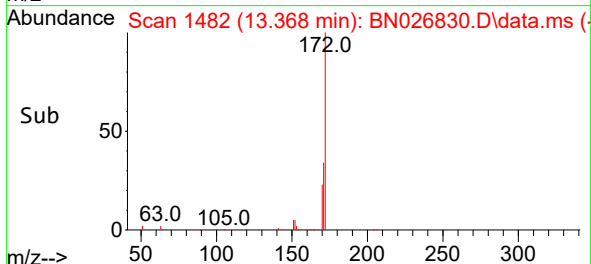
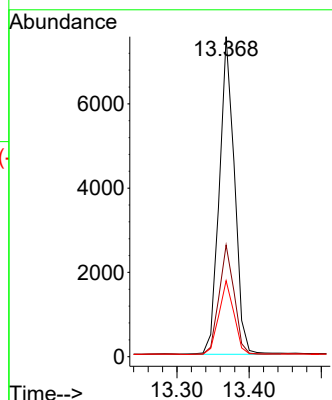
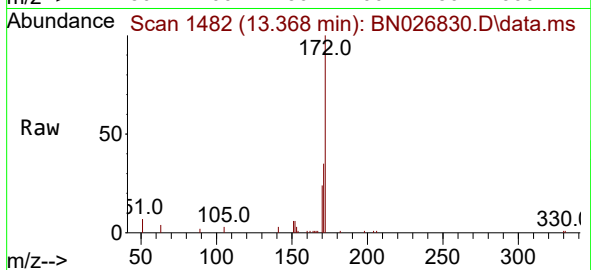
Tgt Ion:172 Resp: 10991

Ion Ratio Lower Upper

172 100

171 34.9 28.0 42.0

170 23.8 19.2 28.8



#16

Acenaphthylene

Concen: 0.709 ng

RT: 14.469 min Scan# 1585

Delta R.T. -0.000 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

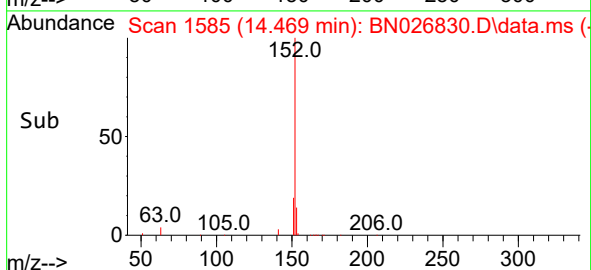
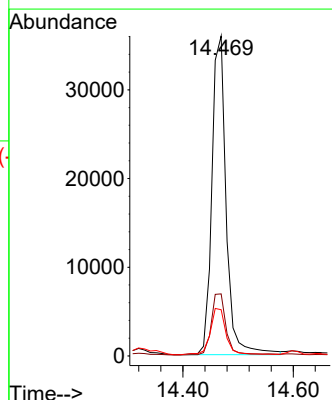
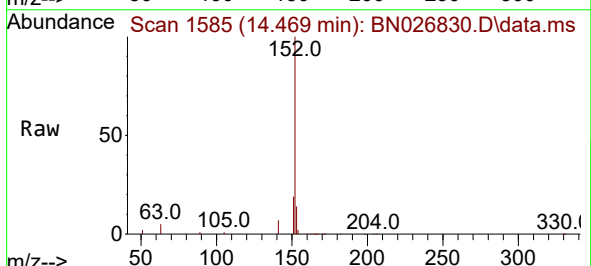
Tgt Ion:152 Resp: 64814

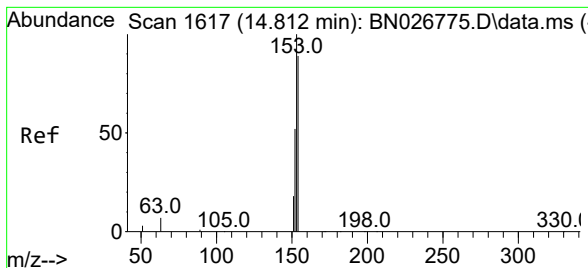
Ion Ratio Lower Upper

152 100

151 20.1 15.7 23.5

153 15.9 10.5 15.7#





#17

Acenaphthene

Concen: 0.158 ng

RT: 14.801 min Scan# 1

Delta R.T. -0.011 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-5-(5-10)

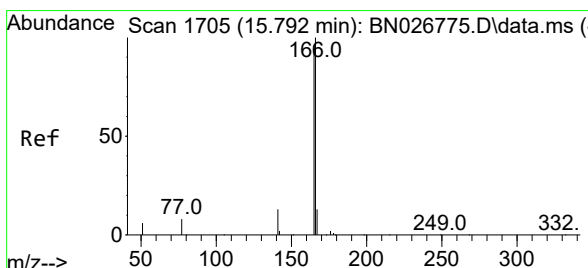
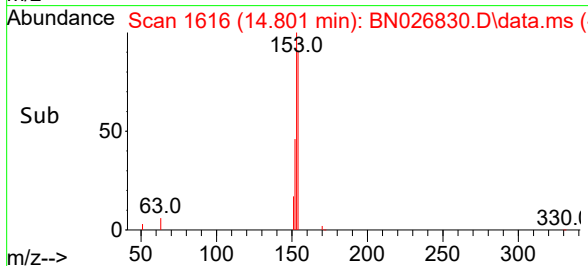
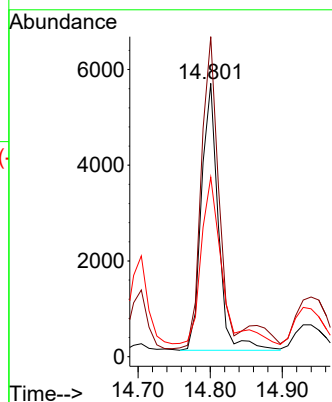
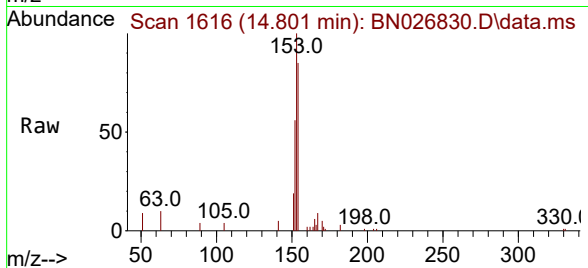
Tgt Ion:154 Resp: 9082

Ion Ratio Lower Upper

154 100

153 121.0 90.0 135.0

152 77.2 48.6 73.0#



#18

Fluorene

Concen: 0.717 ng

RT: 15.779 min Scan# 1704

Delta R.T. -0.012 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

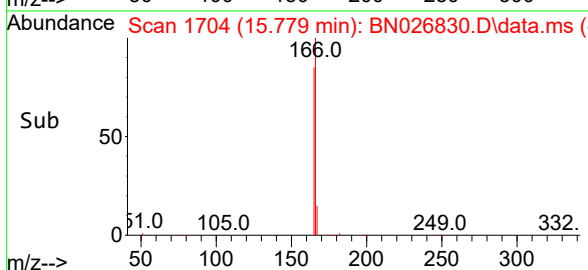
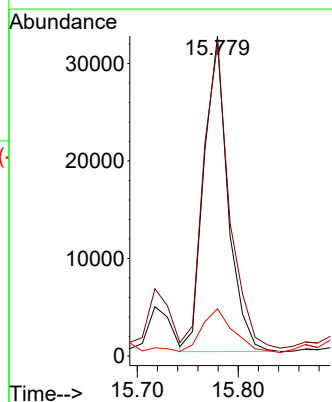
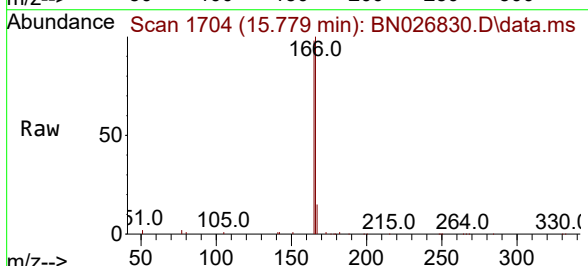
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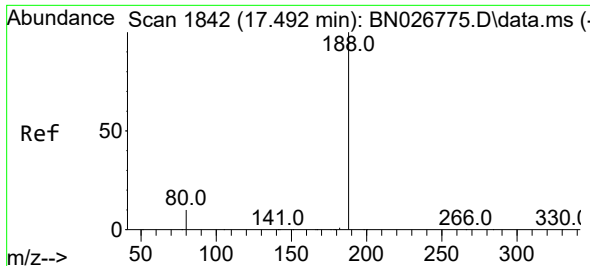
Ion Ratio Lower Upper

166 100

165 103.7 79.0 118.6

167 18.1 10.9 16.3#

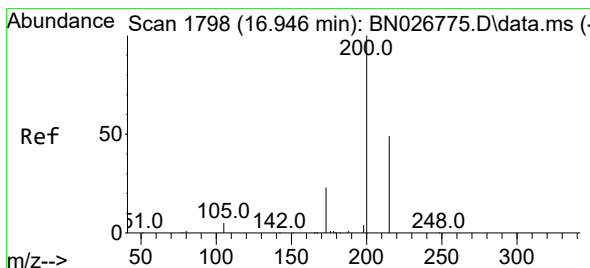
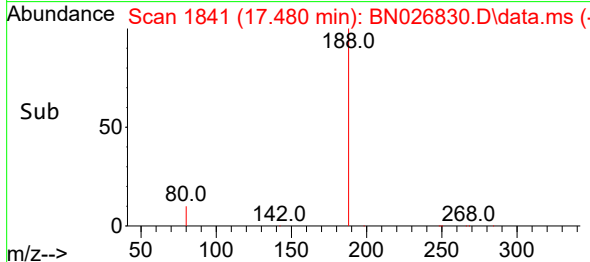
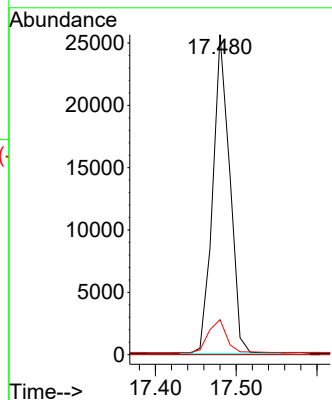
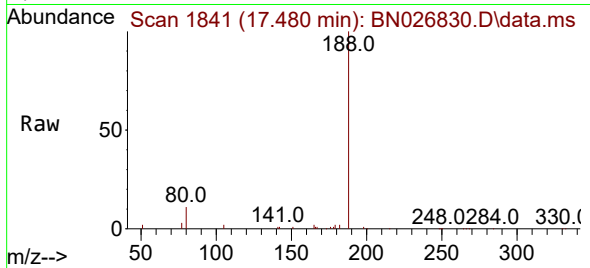




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

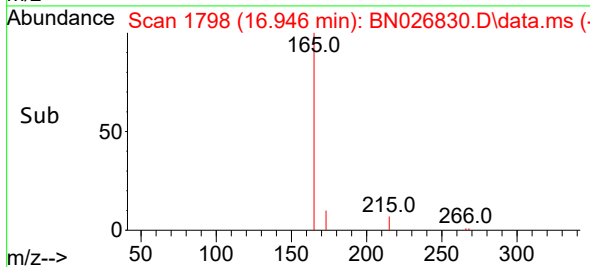
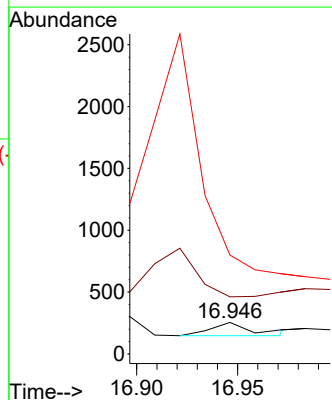
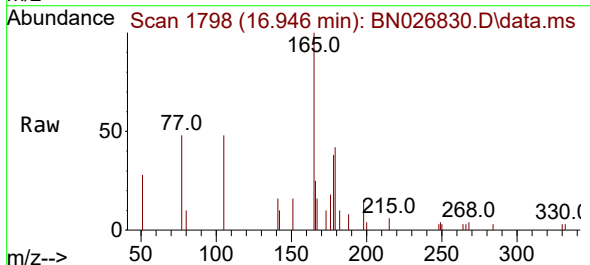
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

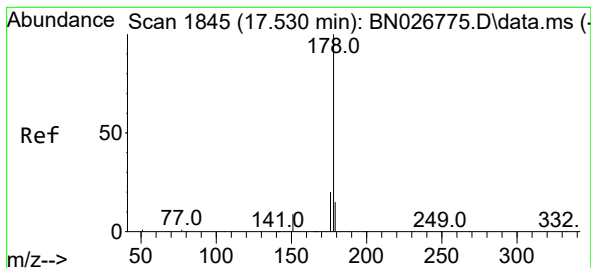
Tgt Ion:188 Resp: 37496
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 8.0 12.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.265 ng
RT: 16.946 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:198 Resp: 161
Ion Ratio Lower Upper
198 100
51 181.9 150.5 225.7
105 314.6 165.0 247.6#





#25

Phenanthrene

Concen: 3.857 ng

RT: 17.530 min Scan# 1845

Delta R.T. -0.000 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-5-(5-10)

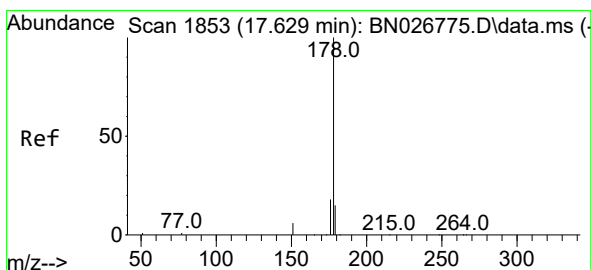
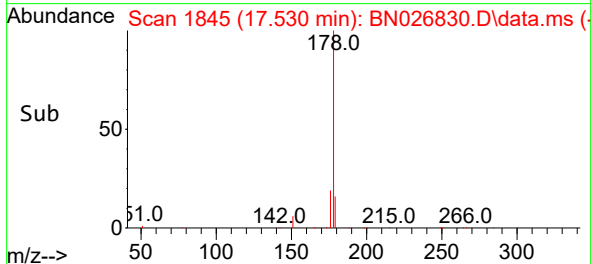
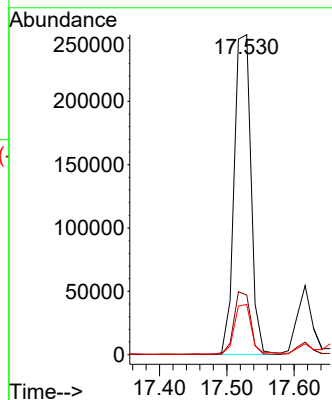
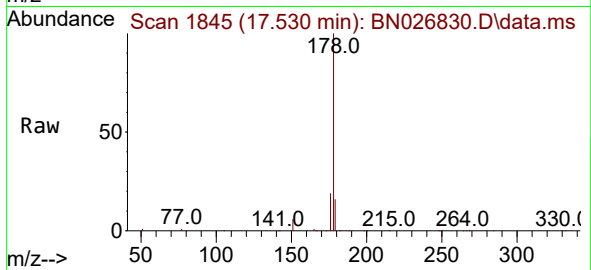
Tgt Ion:178 Resp: 439276

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

179 16.2 12.2 18.2



#26

Anthracene

Concen: 0.844 ng

RT: 17.616 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

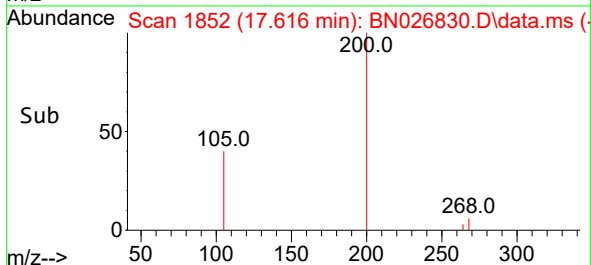
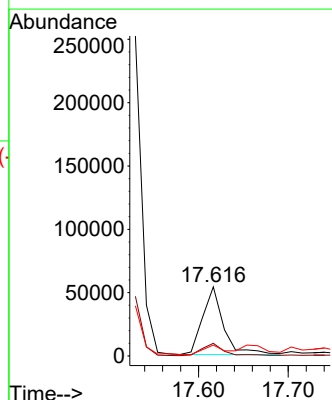
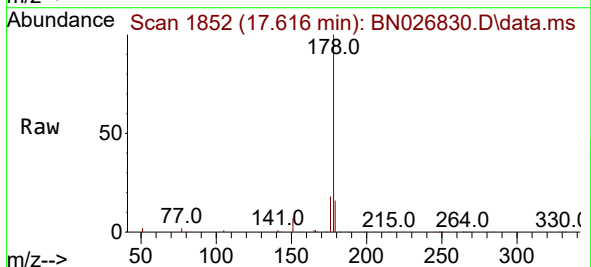
Tgt Ion:178 Resp: 85880

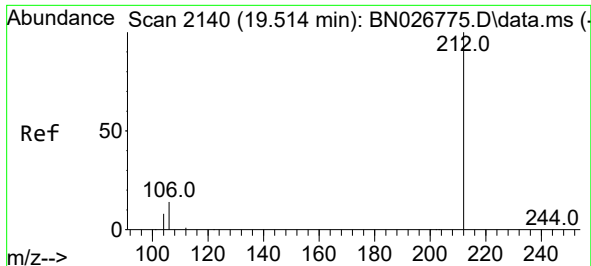
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 14.6 12.2 18.2

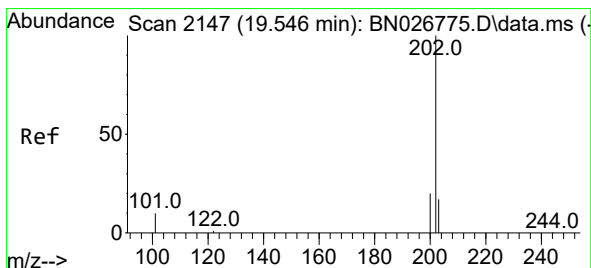
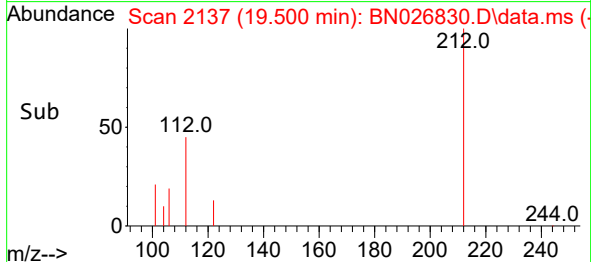
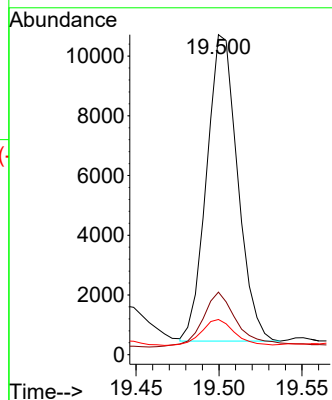
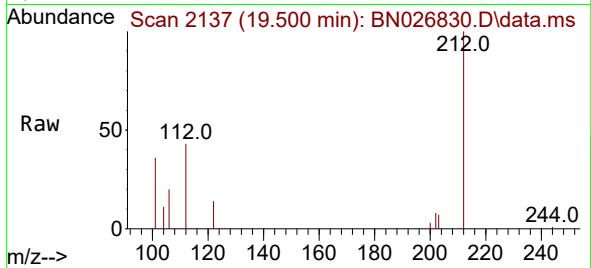




#27
Fluoranthene-d10
Concen: 0.148 ng
RT: 19.500 min Scan# 2140
Delta R.T. -0.014 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

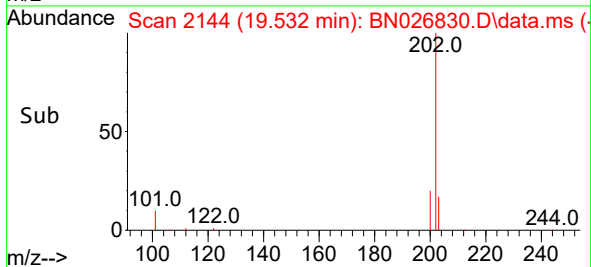
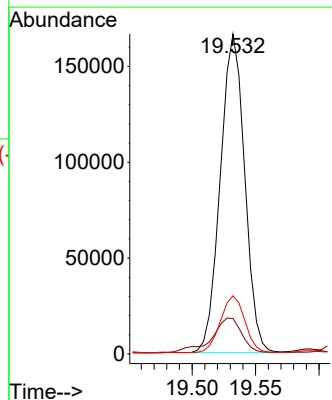
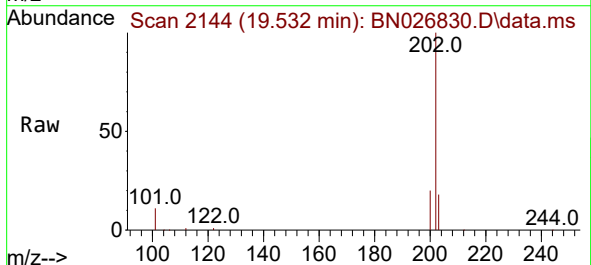
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

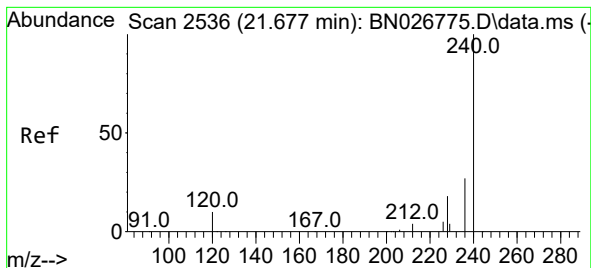
Tgt Ion:212 Resp: 13332
Ion Ratio Lower Upper
212 100
106 21.1 11.7 17.5#
104 9.1 6.4 9.6



#28
Fluoranthene
Concen: 1.751 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.014 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:202 Resp: 221969
Ion Ratio Lower Upper
202 100
101 13.8 9.2 13.8
203 17.8 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.659 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-5-(5-10)

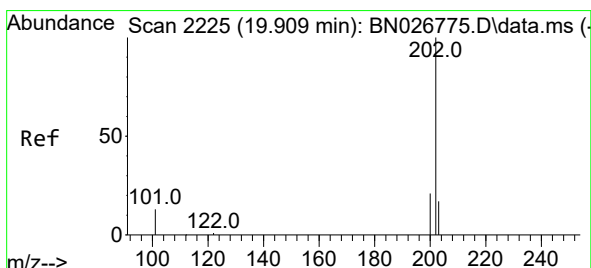
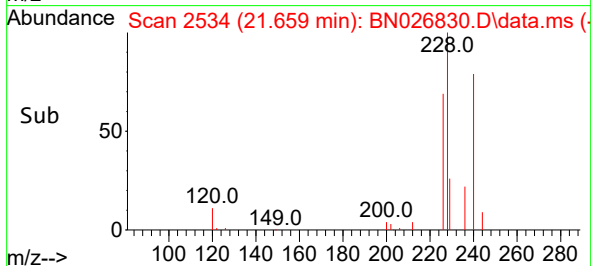
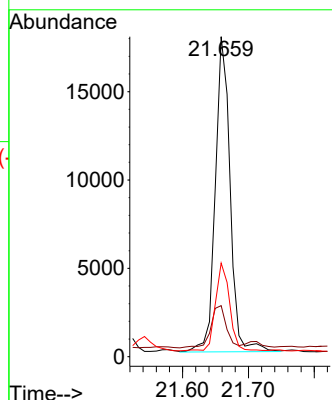
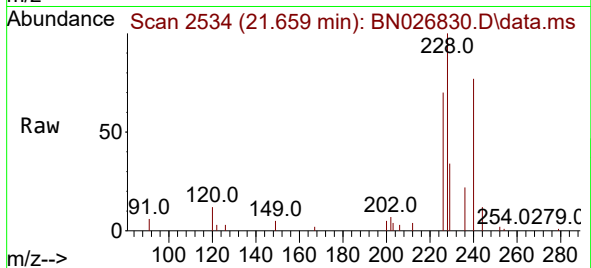
Tgt Ion:240 Resp: 27872

Ion Ratio Lower Upper

240 100

120 16.0 9.2 13.8#

236 29.2 21.9 32.9



#30

Pyrene

Concen: 2.910 ng

RT: 19.895 min Scan# 2222

Delta R.T. -0.014 min

Lab File: BN026830.D

Acq: 07 Aug 2023 14:38

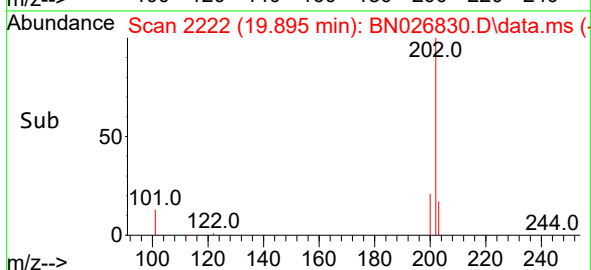
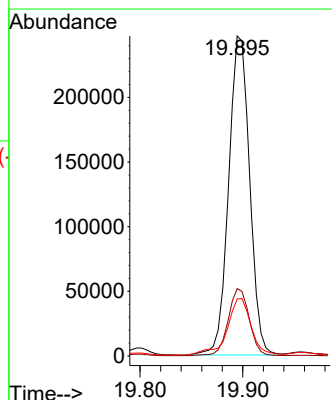
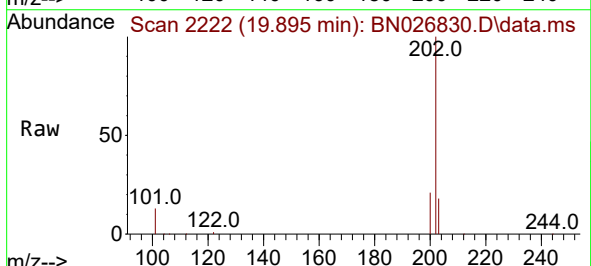
Tgt Ion:202 Resp: 350490

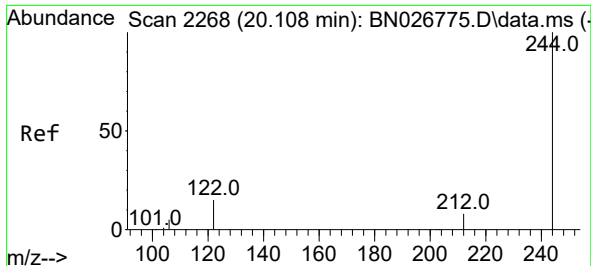
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

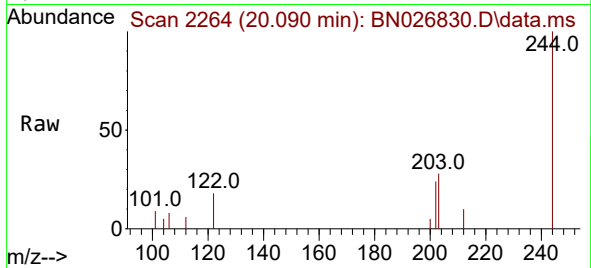
203 20.1 14.2 21.2



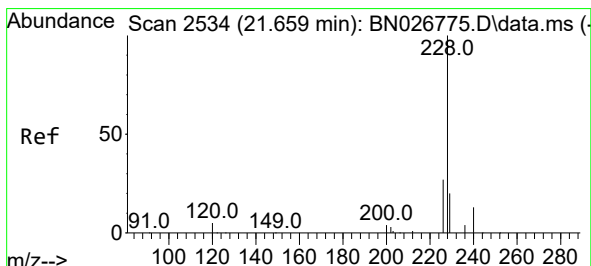
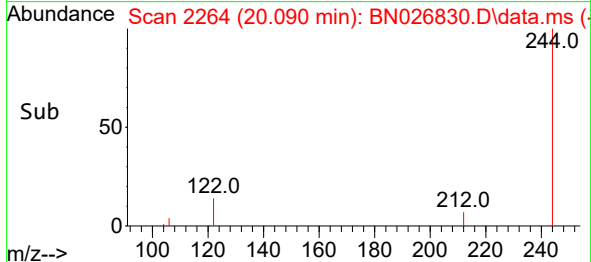
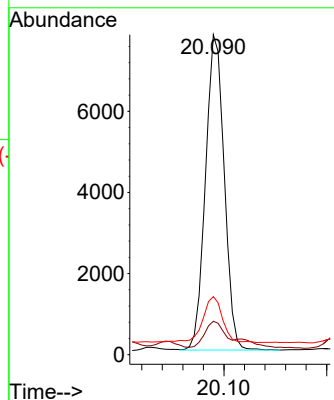


#31
 Terphenyl-d14
 Concen: 0.169 ng
 RT: 20.090 min Scan# 21
 Delta R.T. -0.019 min
 Lab File: BN026830.D
 Acq: 07 Aug 2023 14:38

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

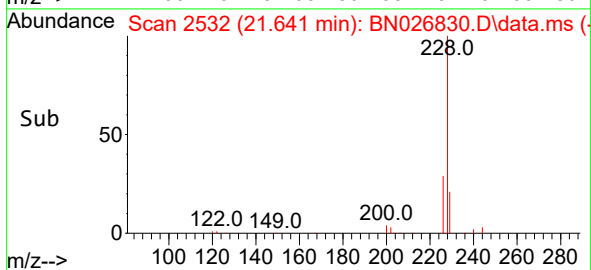
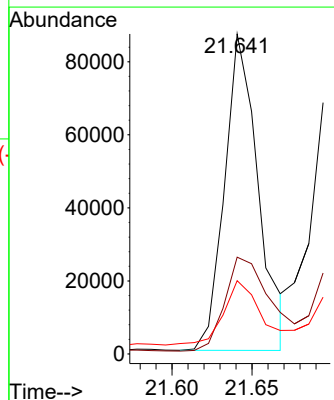
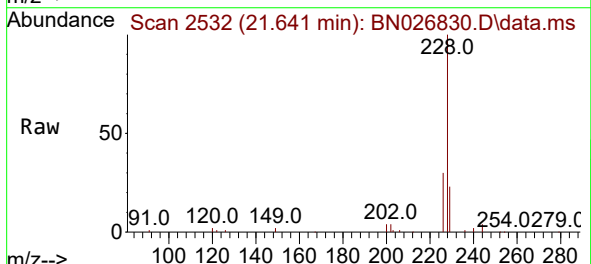


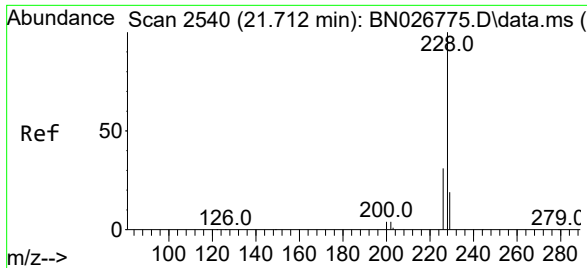
Tgt Ion:244 Resp: 9837
 Ion Ratio Lower Upper
 244 100
 212 10.4 7.0 10.4
 122 18.1 12.3 18.5



#32
 Benzo(a)anthracene
 Concen: 1.330 ng
 RT: 21.641 min Scan# 2532
 Delta R.T. -0.018 min
 Lab File: BN026830.D
 Acq: 07 Aug 2023 14:38

Tgt Ion:228 Resp: 127280
 Ion Ratio Lower Upper
 228 100
 226 30.2 21.9 32.9
 229 22.9 15.8 23.8

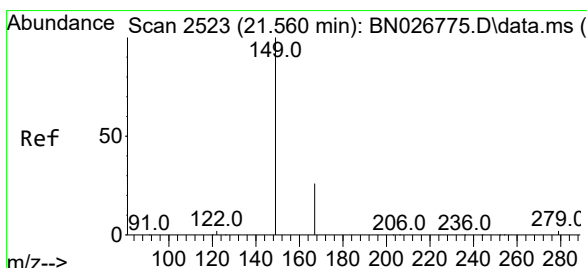
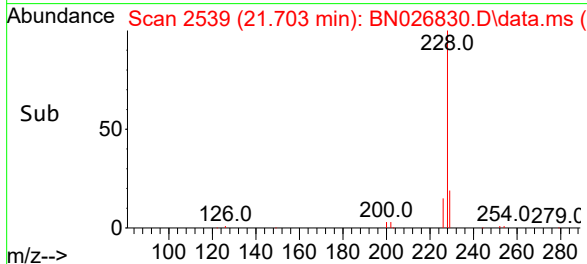
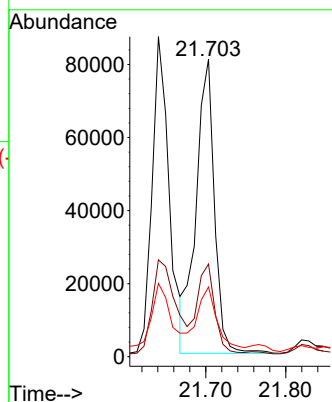
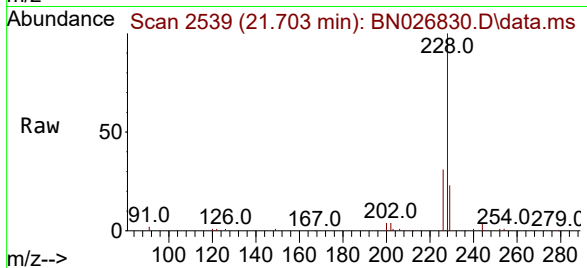




#33
Chrysene
Concen: 1.223 ng
RT: 21.703 min Scan# 21703
Delta R.T. -0.009 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

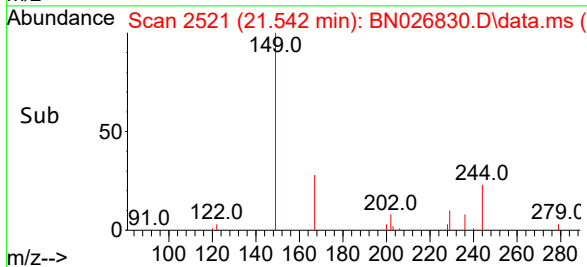
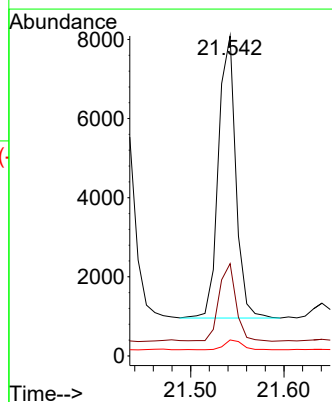
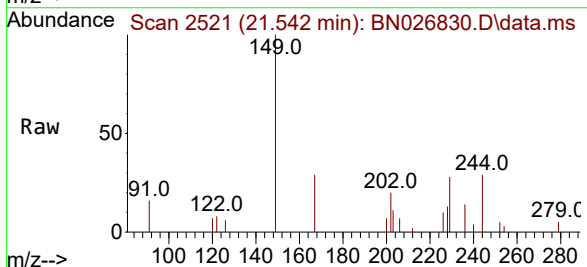
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

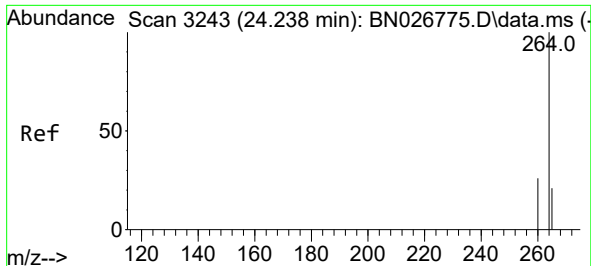
Tgt Ion:228 Resp: 129363
Ion Ratio Lower Upper
228 100
226 31.1 24.6 36.8
229 23.4 15.4 23.2#



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.290 ng
RT: 21.542 min Scan# 2521
Delta R.T. -0.018 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:149 Resp: 9203
Ion Ratio Lower Upper
149 100
167 27.0 20.8 31.2
279 3.6 2.4 3.6

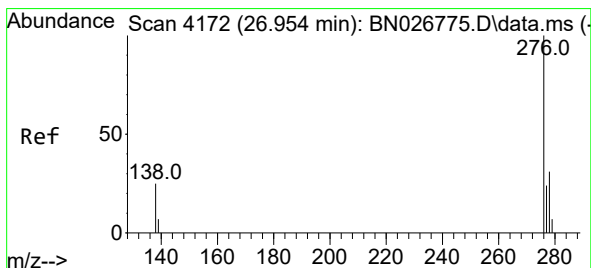
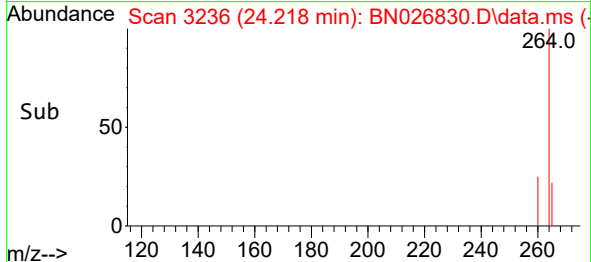
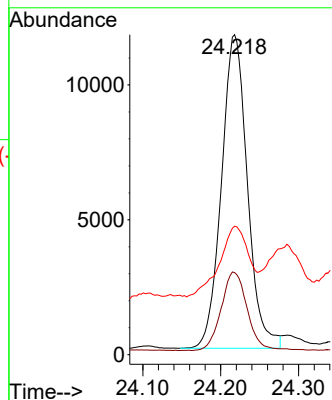
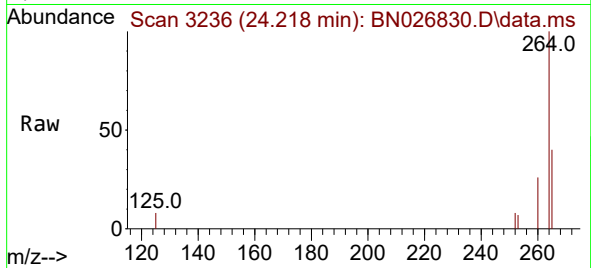




#35
Perylene-d12
Concen: 0.400 ng
RT: 24.218 min Scan# 31
Delta R.T. -0.021 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

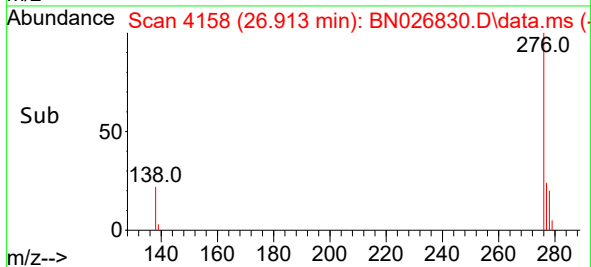
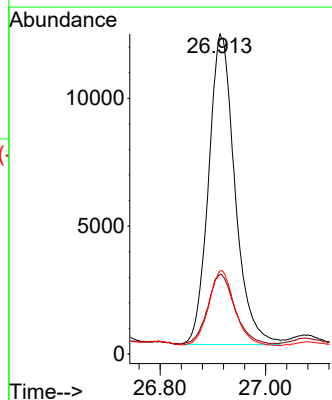
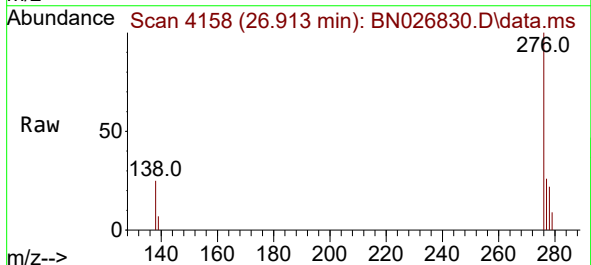
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-5-(5-10)

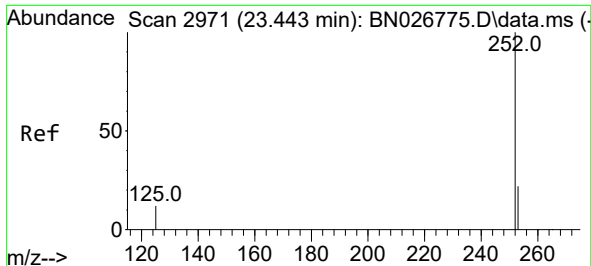
Tgt Ion:264 Resp: 26930
Ion Ratio Lower Upper
264 100
260 25.7 21.0 31.6
265 40.2 22.6 33.8#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.383 ng
RT: 26.913 min Scan# 4158
Delta R.T. -0.041 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

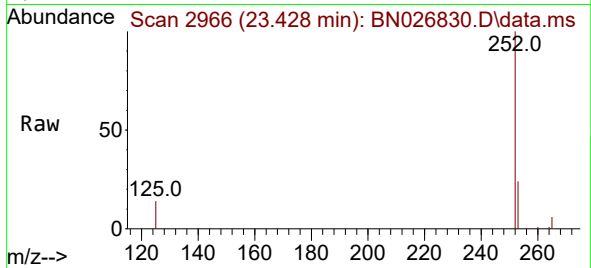
Tgt Ion:276 Resp: 42098
Ion Ratio Lower Upper
276 100
138 22.8 22.8 34.2
277 24.0 19.9 29.9



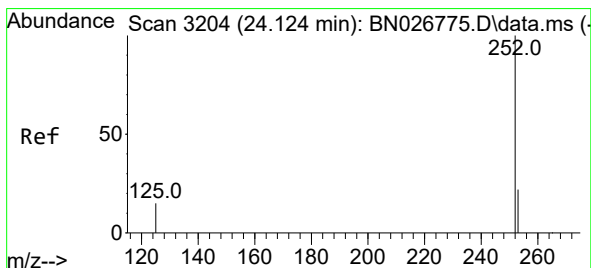
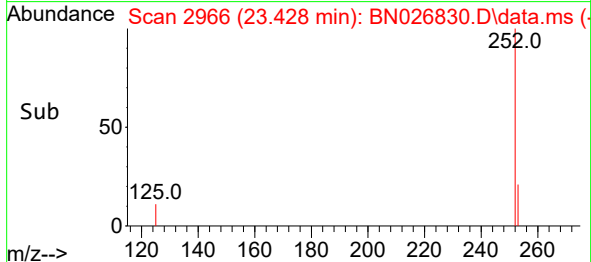
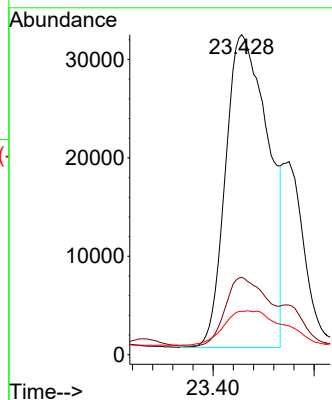


#37
Benzo(b)fluoranthene
Concen: 0.884 ng
RT: 23.428 min Scan# 2971
Delta R.T. -0.015 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

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

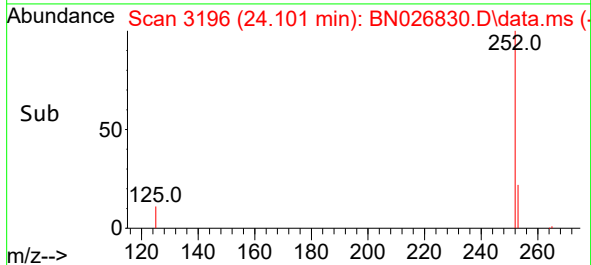
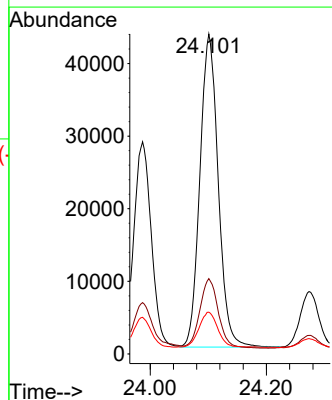
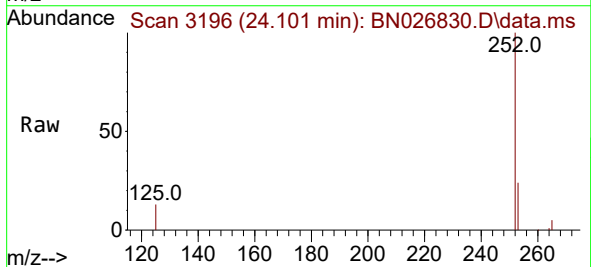


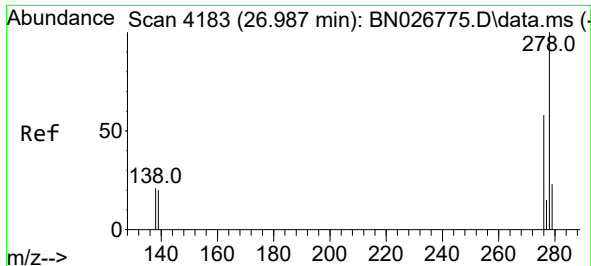
Tgt Ion:252 Resp: 93694
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.8
125 13.6 10.8 16.2



#39
Benzo(a)pyrene
Concen: 0.974 ng
RT: 24.101 min Scan# 3196
Delta R.T. -0.023 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:252 Resp: 94157
Ion Ratio Lower Upper
252 100
253 23.5 18.5 27.7
125 13.1 12.7 19.1

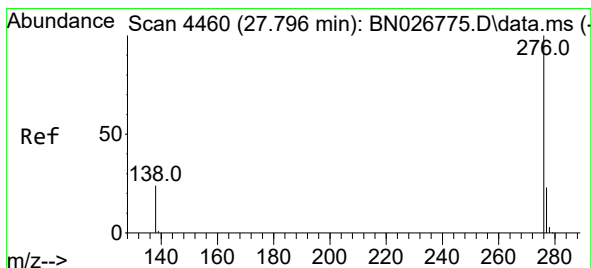
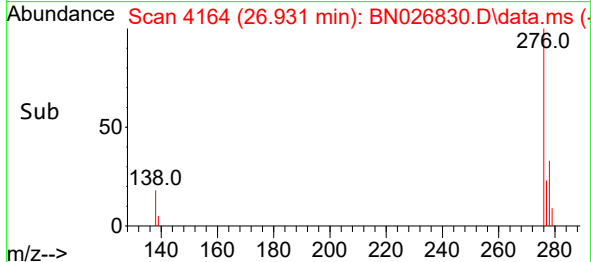
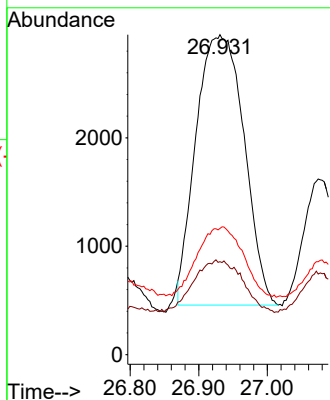
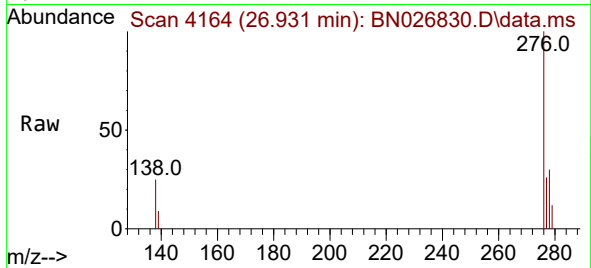




#40
Dibenzo(a,h)anthracene
Concen: 0.142 ng
RT: 26.931 min Scan# 41
Delta R.T. -0.056 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

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

Tgt Ion:278 Resp: 12120
Ion Ratio Lower Upper
278 100
139 29.0 16.8 25.2#
279 39.4 19.5 29.3#



#41
Benzo(g,h,i)perylene
Concen: 0.493 ng
RT: 27.758 min Scan# 4447
Delta R.T. -0.038 min
Lab File: BN026830.D
Acq: 07 Aug 2023 14:38

Tgt Ion:276 Resp: 49821
Ion Ratio Lower Upper
276 100
277 25.4 19.1 28.7
138 24.6 19.8 29.6

