

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081023\
 Data File : BN026868.D
 Acq On : 09 Aug 2023 15:07
 Operator : MA/JU
 Sample : 03815-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-21-(0-5)

Quant Time: Aug 09 15:36:30 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 09 01:06:23 2023
 Response via : Initial Calibration

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

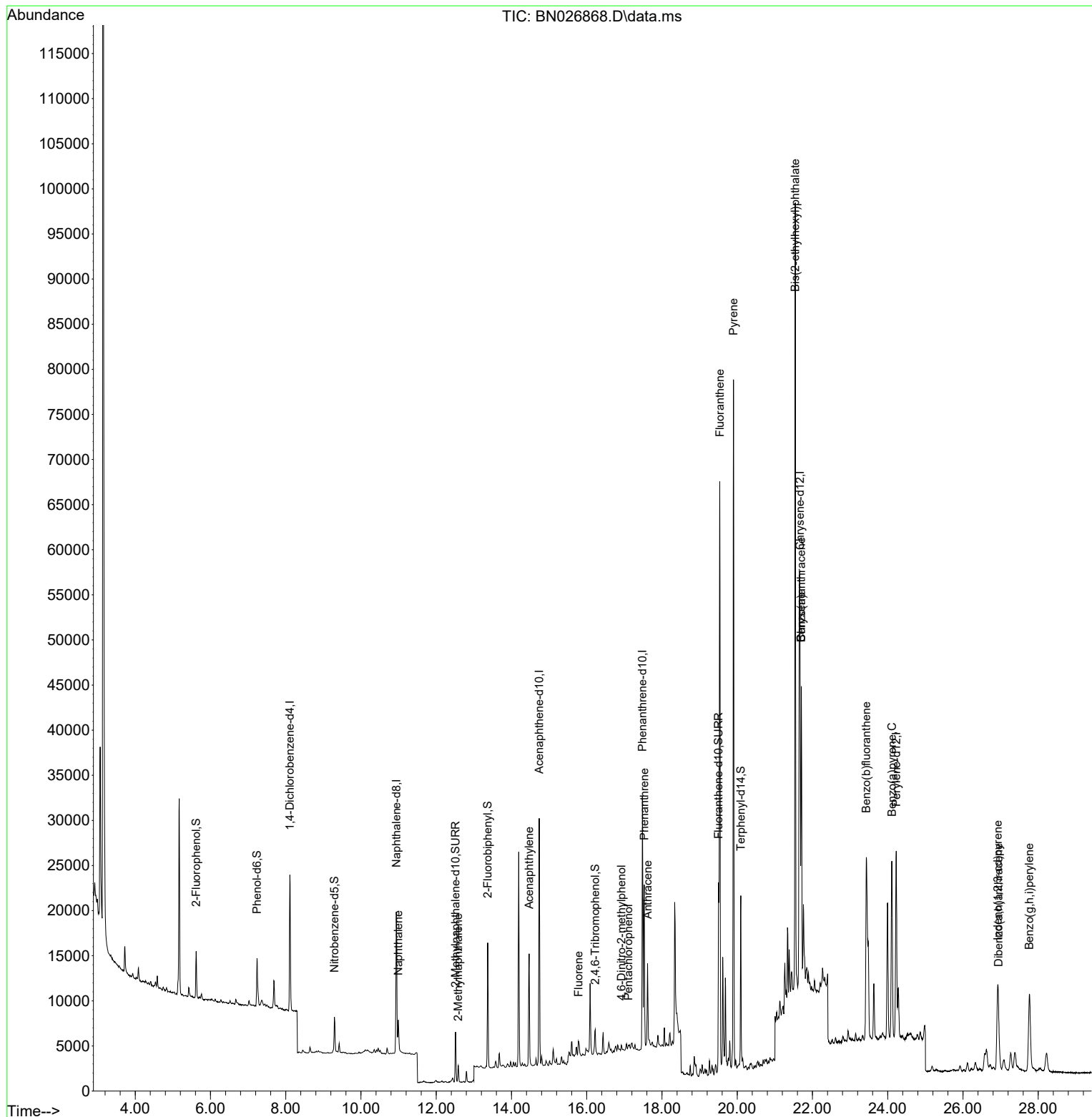
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	7537	0.400	ng	-0.01
7) Naphthalene-d8	10.938	136	21997	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	15235	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	36793	0.400	ng	-0.01
29) Chrysene-d12	21.668	240	30862	0.400	ng	0.00
35) Perylene-d12	24.227	264	32621	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	4372	0.229	ng	0.00
5) Phenol-d6	7.236	99	5374	0.217	ng	0.00
8) Nitrobenzene-d5	9.294	82	3504	0.269	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	7426	0.235	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	1688	0.325	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	11623	0.187	ng	-0.01
27) Fluoranthene-d10	19.504	212	20258	0.229	ng	0.00
31) Terphenyl-d14	20.094	244	18593	0.289	ng	-0.01
Target Compounds						
						Qvalue
9) Naphthalene	10.992	128	3578	0.059	ng	# 88
12) 2-Methylnaphthalene	12.585	142	1253	0.030	ng	# 81
16) Acenaphthylene	14.470	152	15510	0.206	ng	100
18) Fluorene	15.780	166	1765	0.029	ng	# 81
20) 4,6-Dinitro-2-methylph...	16.922	198	25	0.042	ng	# 1
24) Pentachlorophenol	17.108	266	334	0.051	ng	94
25) Phenanthrene	17.530	178	21106	0.189	ng	99
26) Anthracene	17.617	178	9998	0.100	ng	99
28) Fluoranthene	19.537	202	51899	0.417	ng	98
30) Pyrene	19.899	202	68954	0.517	ng	98
32) Benzo(a)anthracene	21.704	228	31185	0.294	ng	92
33) Chrysene	21.704	228	30911	0.264	ng	96
34) Bis(2-ethylhexyl)phtha...	21.542	149	81278	2.315	ng	97
36) Indeno(1,2,3-cd)pyrene	26.925	276	19732	0.148	ng	# 93
37) Benzo(b)fluoranthene	23.431	252	41120	0.320	ng	# 91
39) Benzo(a)pyrene	24.110	252	32696	0.279	ng	93
40) Dibenzo(a,h)anthracene	26.949	278	5290	0.051	ng	# 44
41) Benzo(g,h,i)perylene	27.764	276	21728	0.178	ng	92

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

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Instrument :
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BUILDING-B-21-(0-5)

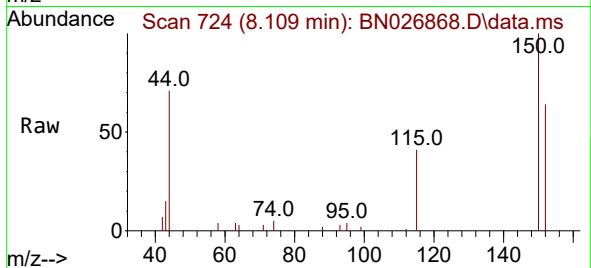
Quant Time: Aug 09 15:36:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 09 01:06:23 2023
Response via : Initial Calibration



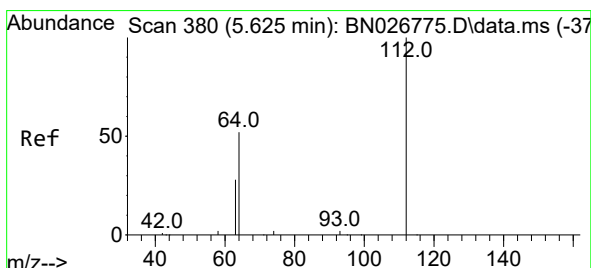
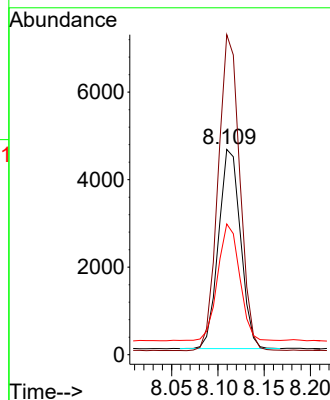
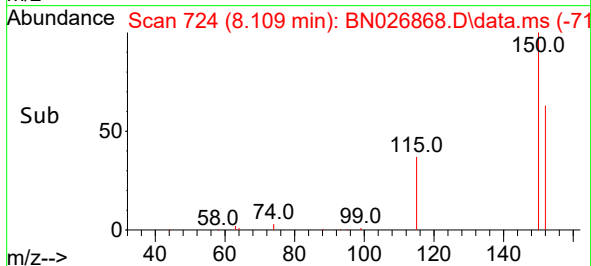


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1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.015 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

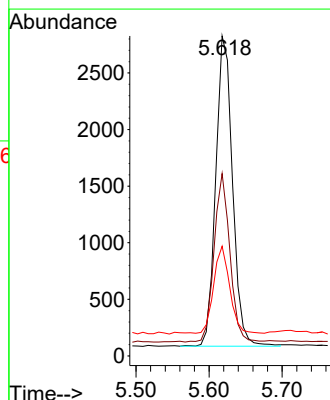
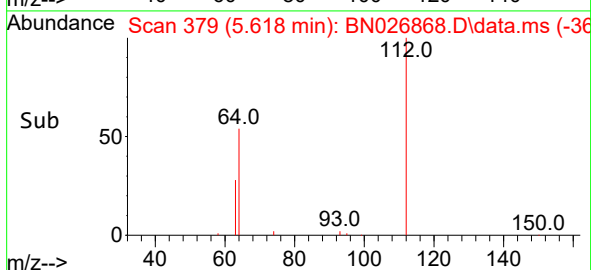
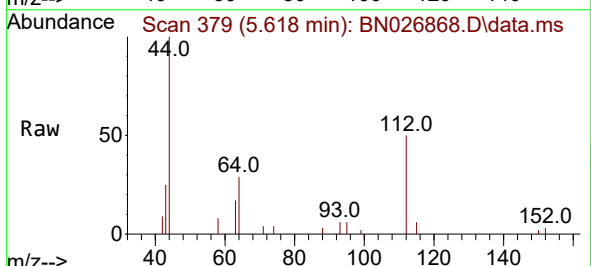


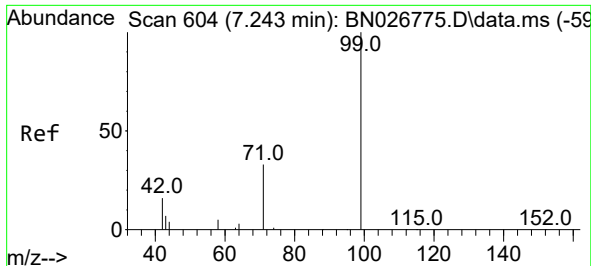
Tgt Ion:152 Resp: 7537
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.8
115 63.6 48.0 72.0



#4
2-Fluorophenol
Concen: 0.229 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion:112 Resp: 4372
Ion Ratio Lower Upper
112 100
64 51.2 42.2 63.2
63 26.9 22.7 34.1

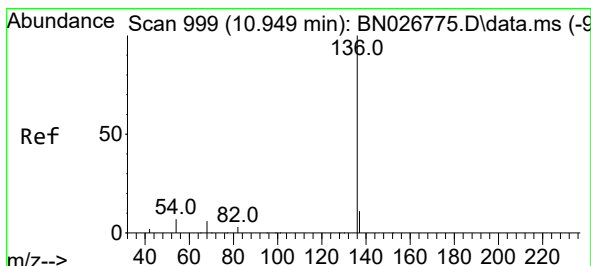
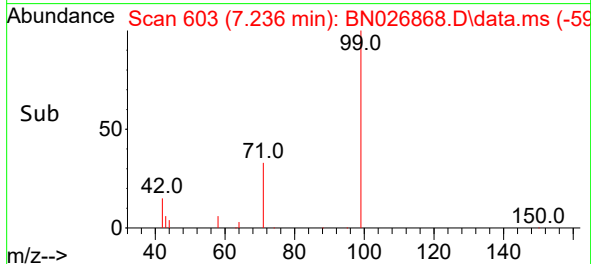
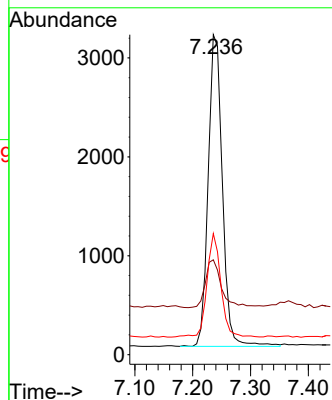
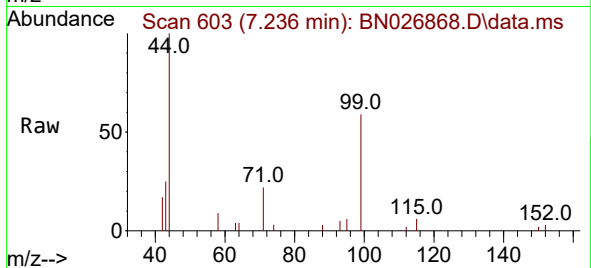




#5
Phenol-d6
Concen: 0.217 ng
RT: 7.236 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

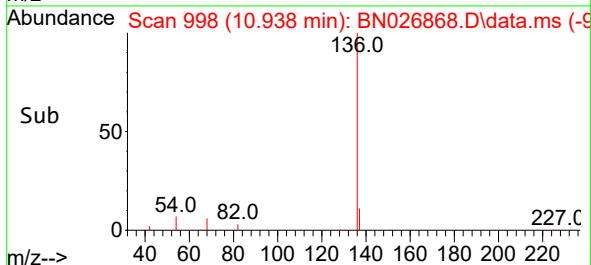
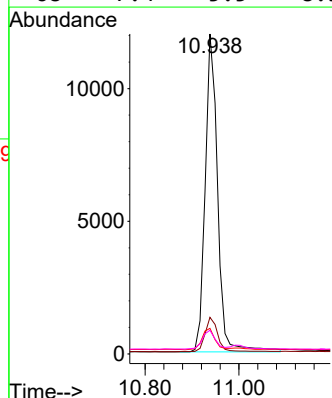
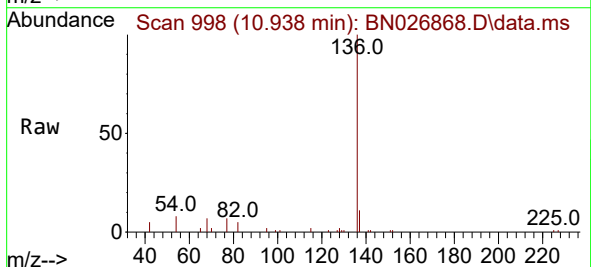
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

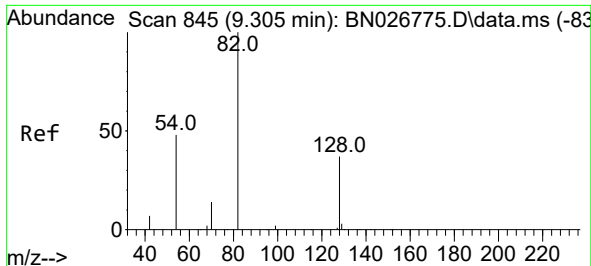
Tgt Ion: 99 Resp: 5374
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 32.5 26.6 40.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion: 136 Resp: 21997
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 8.0 6.2 9.2
68 7.4 5.5 8.3

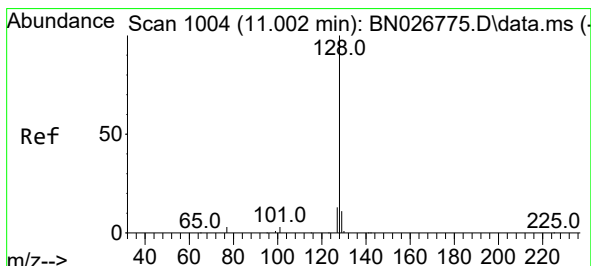
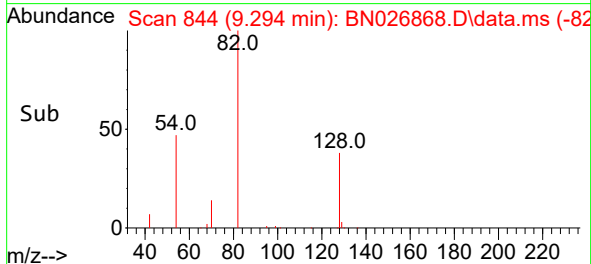
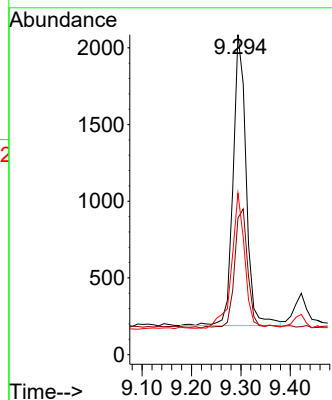
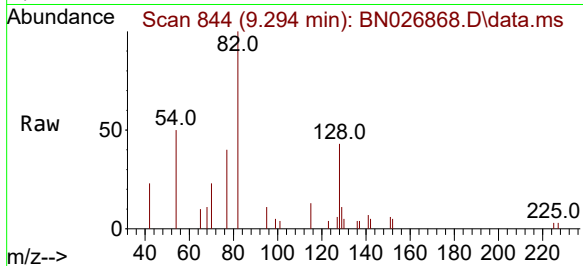




#8
Nitrobenzene-d5
Concen: 0.269 ng
RT: 9.294 min Scan# 845
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

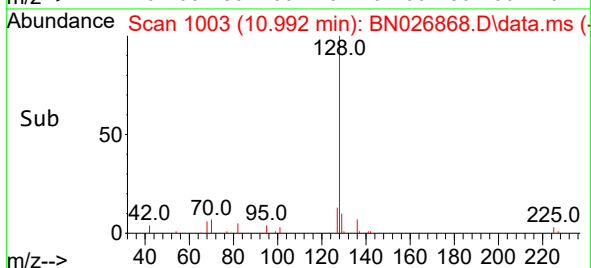
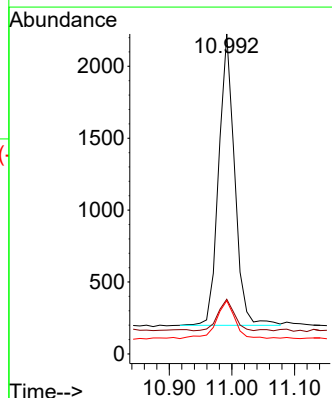
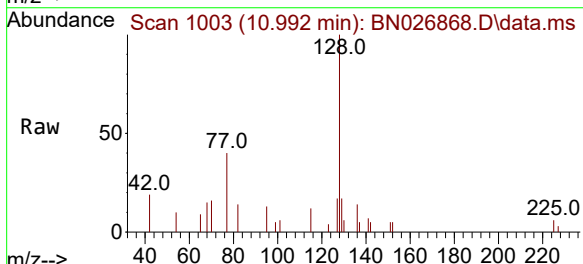
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

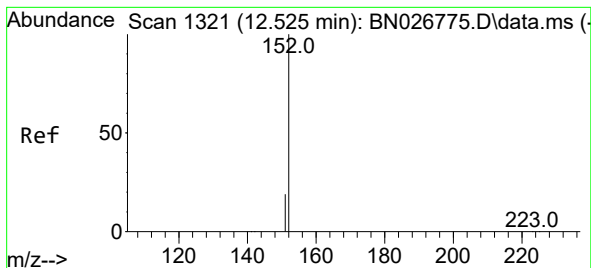
Tgt Ion: 82 Resp: 3504
Ion Ratio Lower Upper
82 100
128 42.7 30.5 45.7
54 50.4 39.4 59.2



#9
Naphthalene
Concen: 0.059 ng
RT: 10.992 min Scan# 1003
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion: 128 Resp: 3578
Ion Ratio Lower Upper
128 100
129 17.1 9.0 13.4#
127 16.6 10.6 16.0#

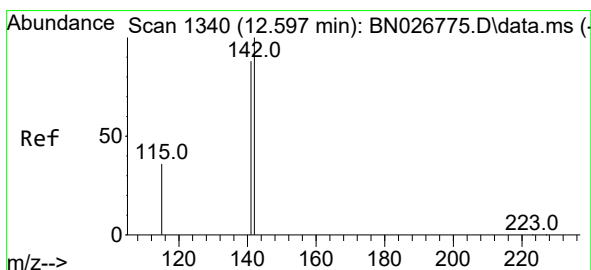
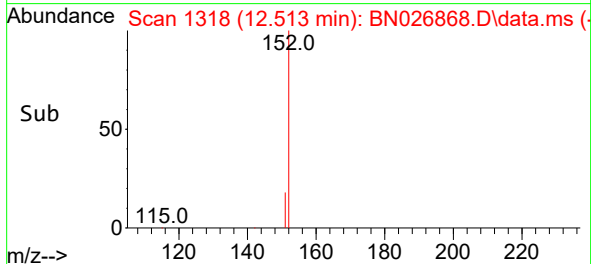
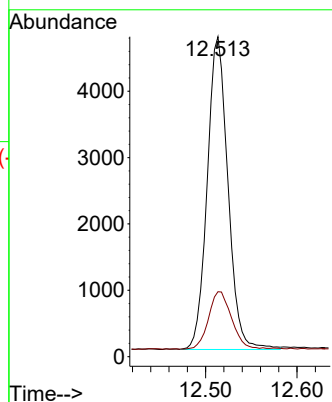
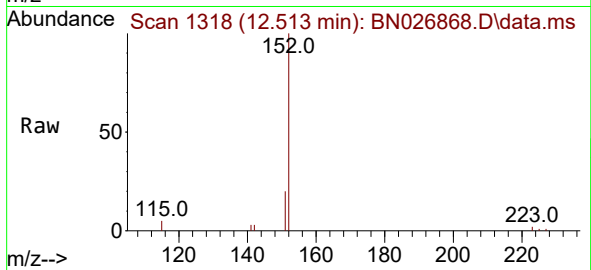




#11
2-Methylnaphthalene-d10
Concen: 0.235 ng
RT: 12.513 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

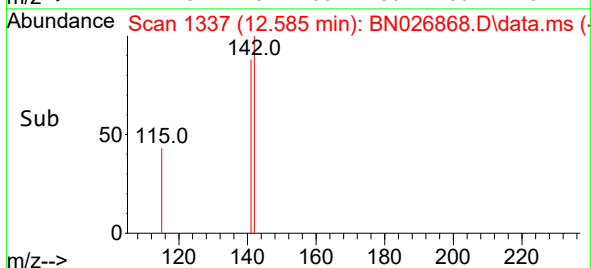
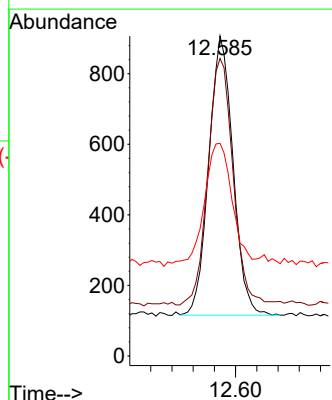
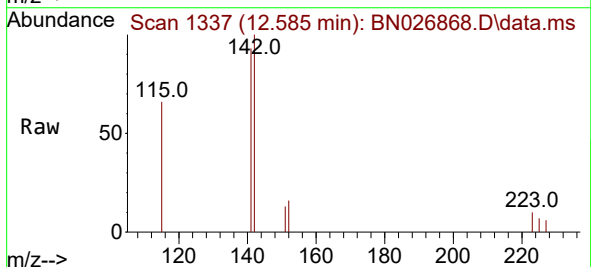
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

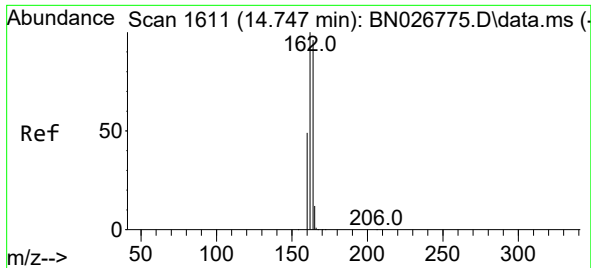
Tgt Ion:152 Resp: 7426
Ion Ratio Lower Upper
152 100
151 20.5 16.5 24.7



#12
2-Methylnaphthalene
Concen: 0.030 ng
RT: 12.585 min Scan# 1337
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion:142 Resp: 1253
Ion Ratio Lower Upper
142 100
141 92.9 70.3 105.5
115 66.5 29.2 43.8#

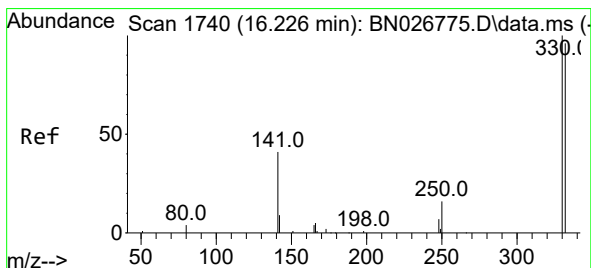
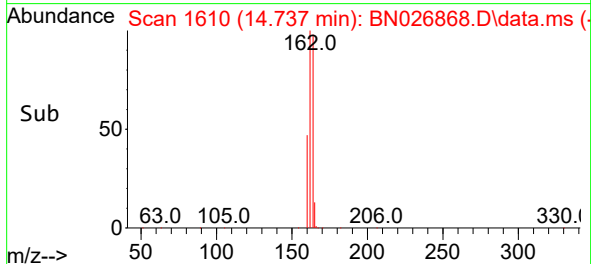
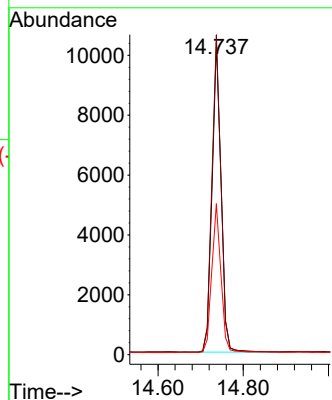
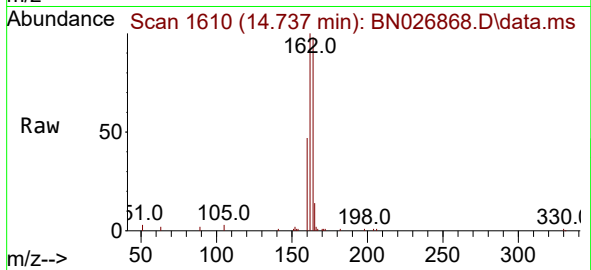




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

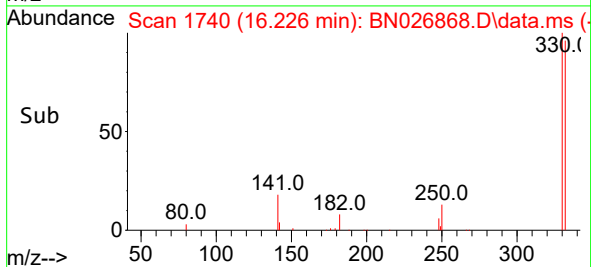
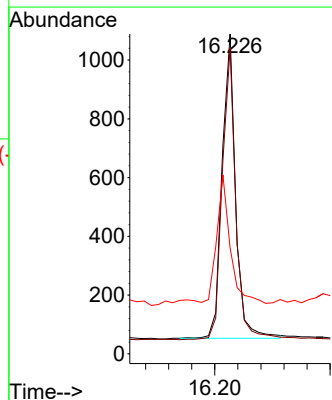
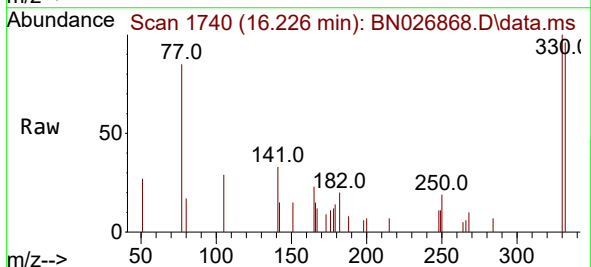
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

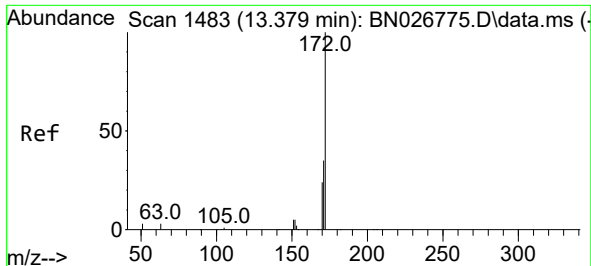
Tgt Ion:164 Resp: 15235
Ion Ratio Lower Upper
164 100
162 102.4 83.0 124.6
160 48.3 40.8 61.2



#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 16.226 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion:330 Resp: 1688
Ion Ratio Lower Upper
330 100
332 95.9 77.8 116.6
141 41.6 34.8 52.2

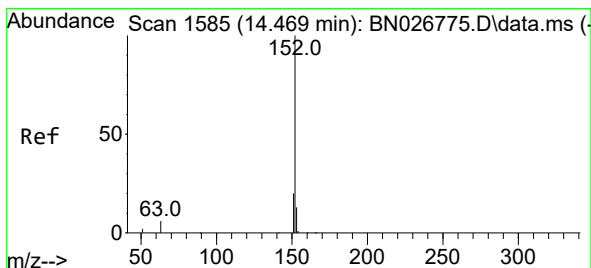
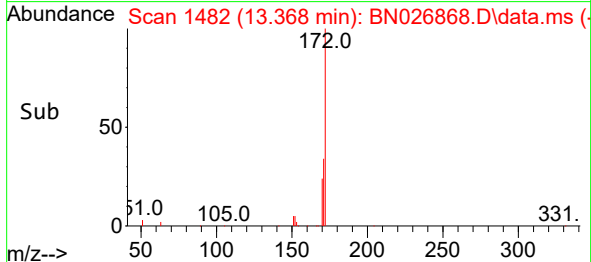
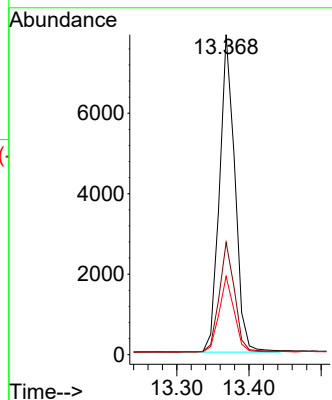
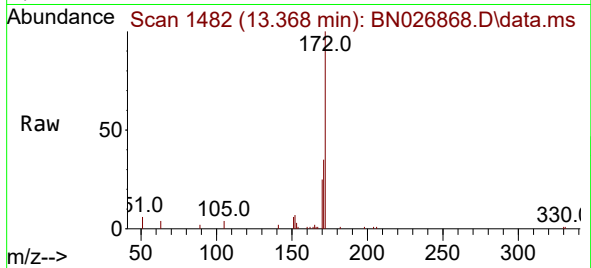




#15
2-Fluorobiphenyl
Concen: 0.187 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

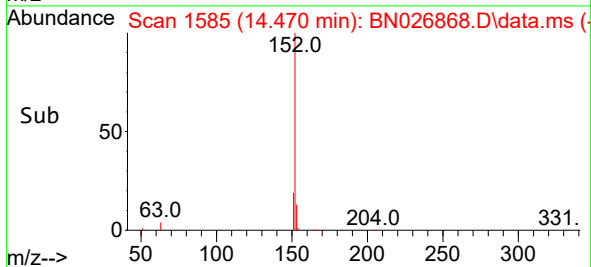
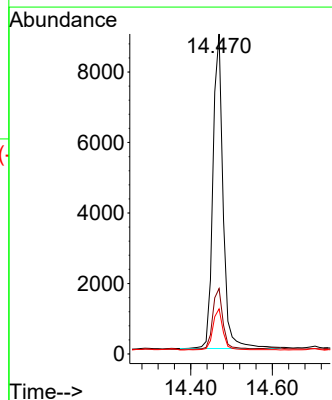
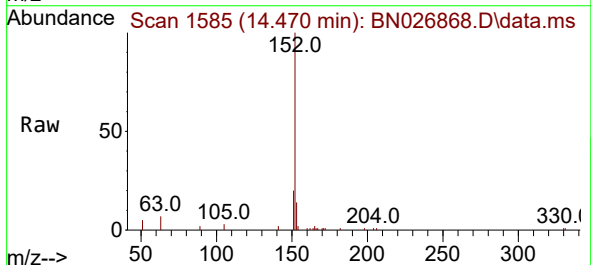
Instrument :
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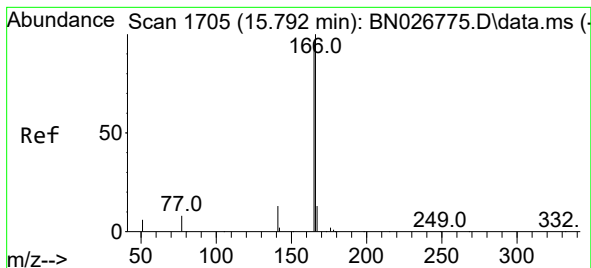
Tgt Ion:172 Resp: 11623
Ion Ratio Lower Upper
172 100
171 35.1 28.0 42.0
170 24.5 19.2 28.8



#16
Acenaphthylene
Concen: 0.206 ng
RT: 14.470 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion:152 Resp: 15510
Ion Ratio Lower Upper
152 100
151 19.8 15.7 23.5
153 13.0 10.5 15.7





#18

Fluorene

Concen: 0.029 ng

RT: 15.780 min Scan# 1704

Delta R.T. -0.012 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-21-(0-5)

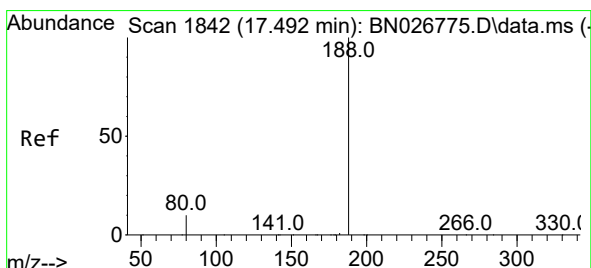
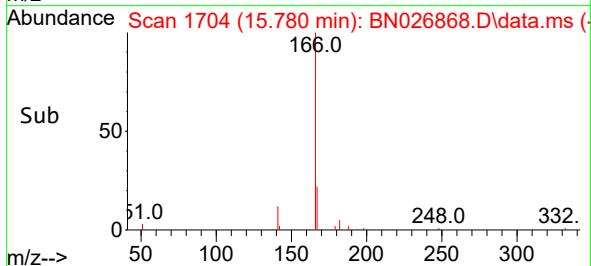
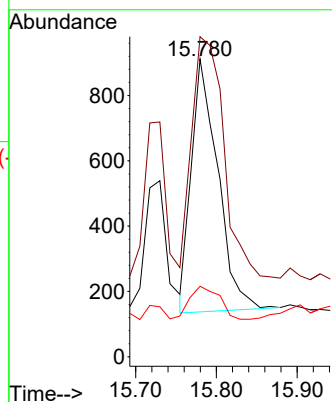
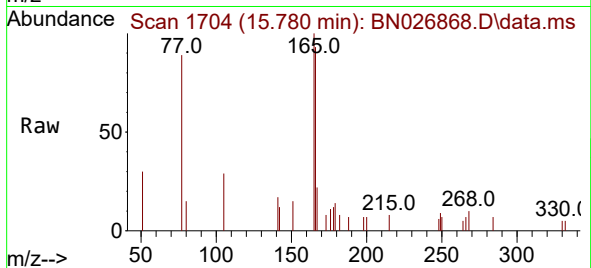
Tgt Ion:166 Resp: 1765

Ion Ratio Lower Upper

166 100

165 120.2 79.0 118.6#

167 14.6 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: BN026868.D

Acq: 09 Aug 2023 15:07

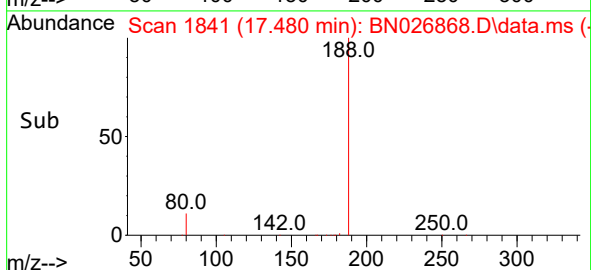
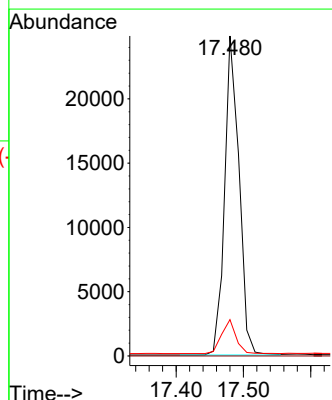
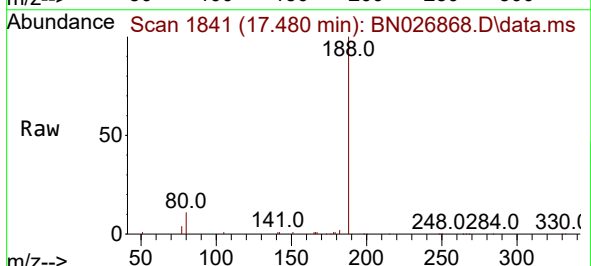
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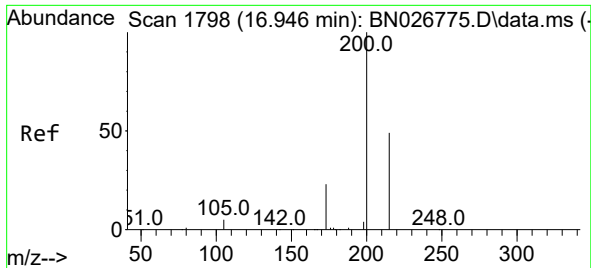
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 8.0 12.0

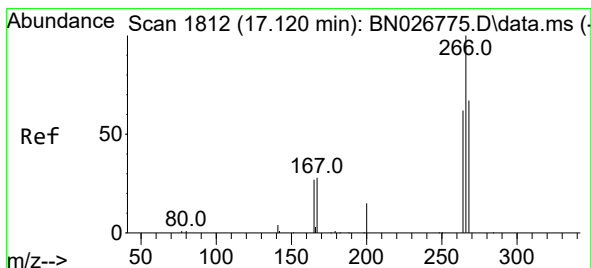
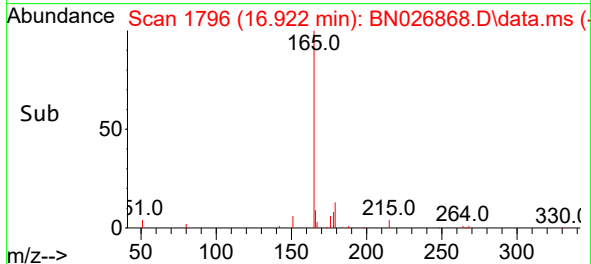
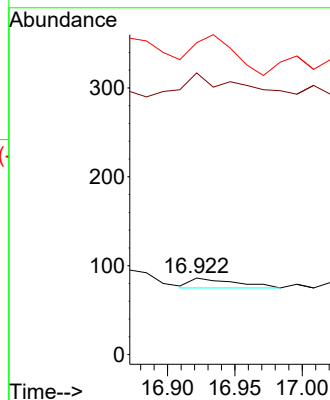
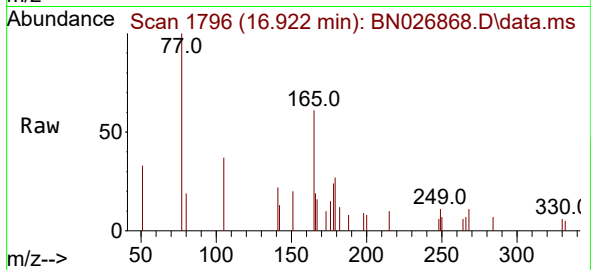




#20
4,6-Dinitro-2-methylphenol
Concen: 0.042 ng
RT: 16.922 min Scan# 11
Delta R.T. -0.024 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

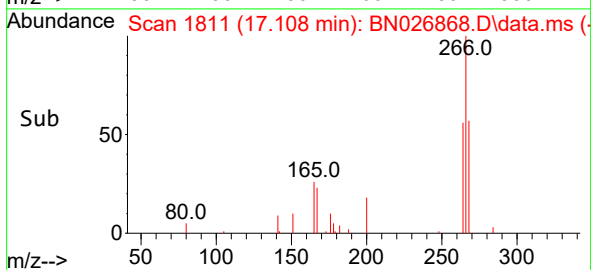
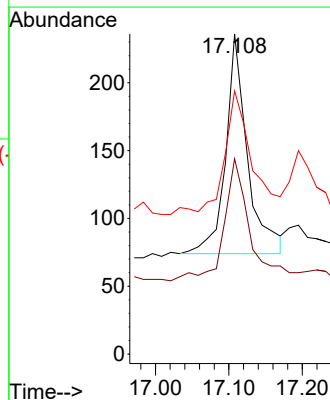
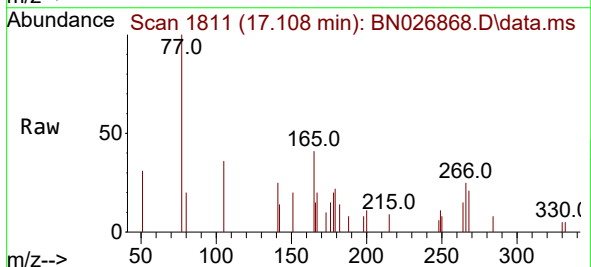
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

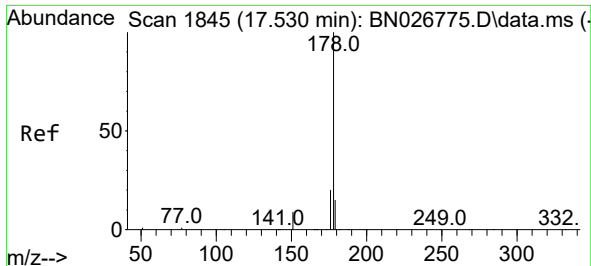
Tgt Ion:198 Resp: 25
Ion Ratio Lower Upper
198 100
51 368.6 150.5 225.7#
105 408.1 165.0 247.6#



#24
Pentachlorophenol
Concen: 0.051 ng
RT: 17.108 min Scan# 1811
Delta R.T. -0.012 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion:266 Resp: 334
Ion Ratio Lower Upper
266 100
264 57.2 50.8 76.2
268 60.2 50.8 76.2

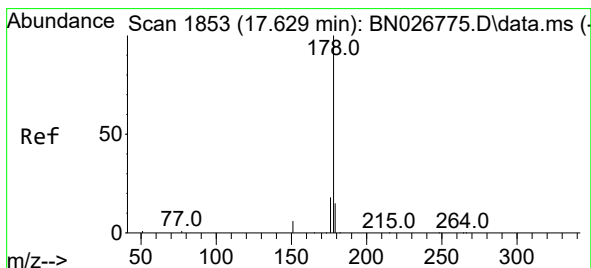
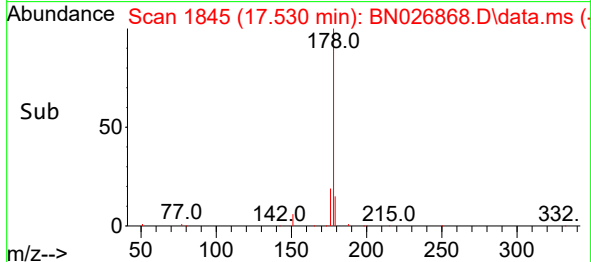
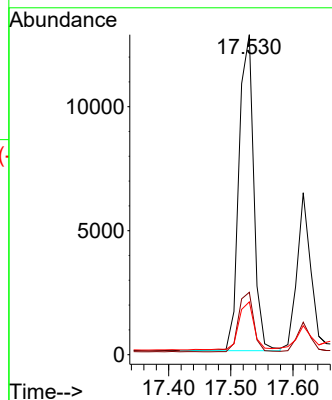
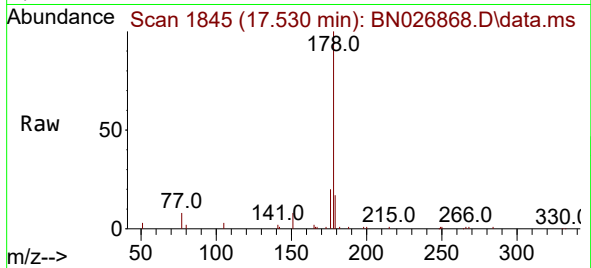




#25
Phenanthrene
Concen: 0.189 ng
RT: 17.530 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

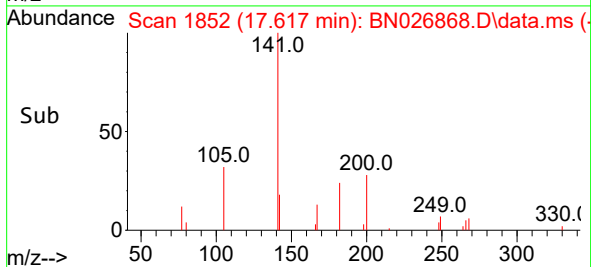
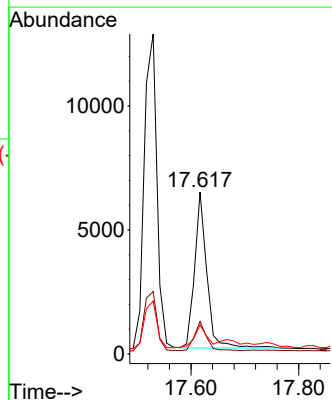
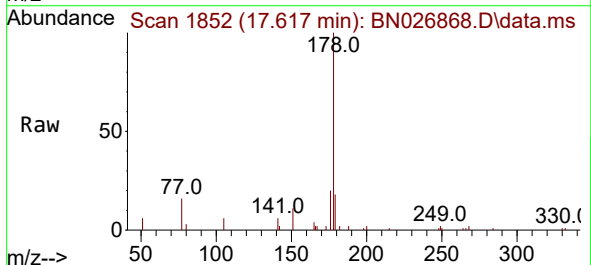
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

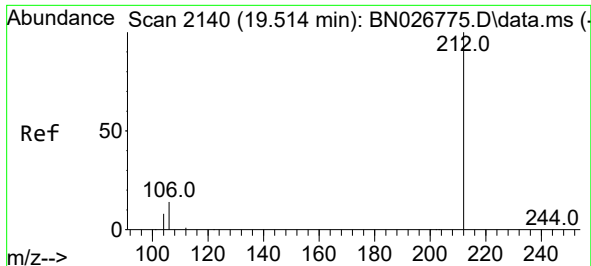
Tgt Ion:178 Resp: 21106
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 16.3 12.2 18.2



#26
Anthracene
Concen: 0.100 ng
RT: 17.617 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion:178 Resp: 9998
Ion Ratio Lower Upper
178 100
176 17.8 14.9 22.3
179 14.9 12.2 18.2





#27

Fluoranthene-d10

Concen: 0.229 ng

RT: 19.504 min Scan# 2138

Delta R.T. -0.009 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-21-(0-5)

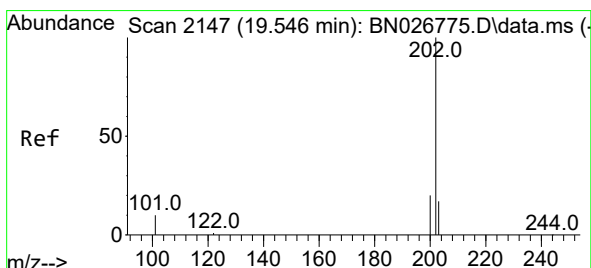
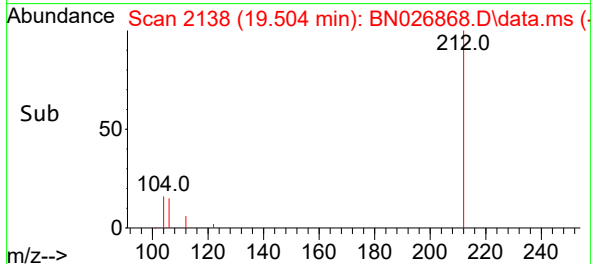
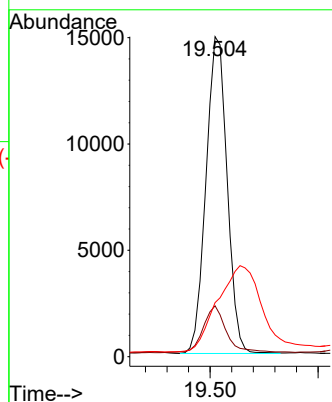
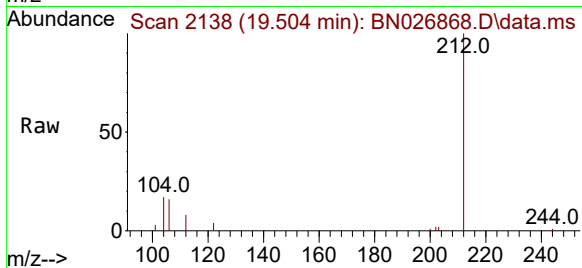
Tgt Ion:212 Resp: 20258

Ion Ratio Lower Upper

212 100

106 16.3 11.7 17.5

104 0.0 6.4 9.6#



#28

Fluoranthene

Concen: 0.417 ng

RT: 19.537 min Scan# 2145

Delta R.T. -0.009 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

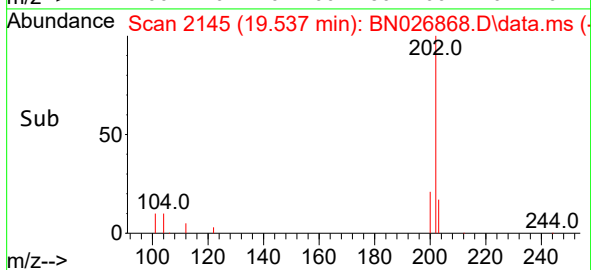
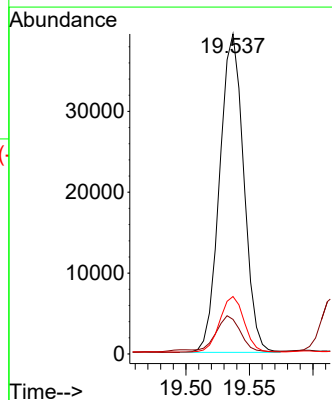
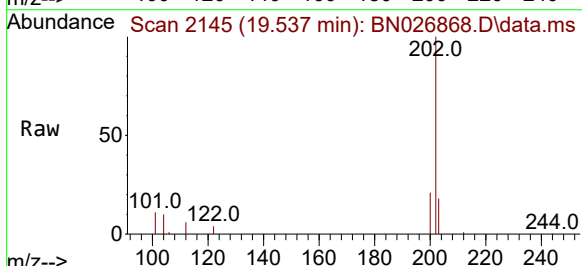
Tgt Ion:202 Resp: 51899

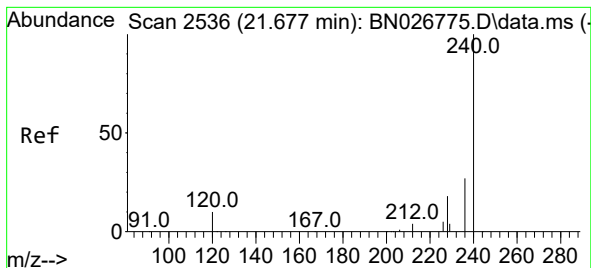
Ion Ratio Lower Upper

202 100

101 12.4 9.2 13.8

203 17.5 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.668 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-21-(0-5)

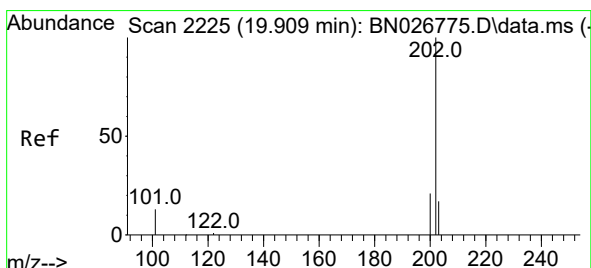
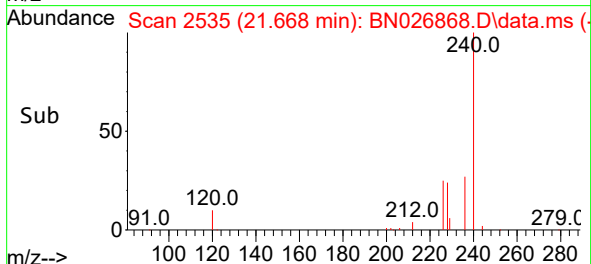
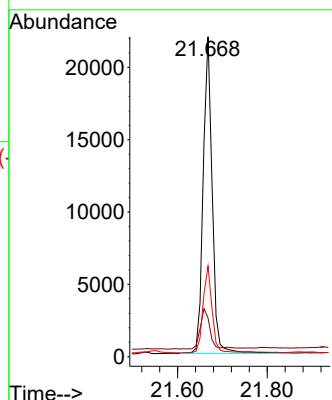
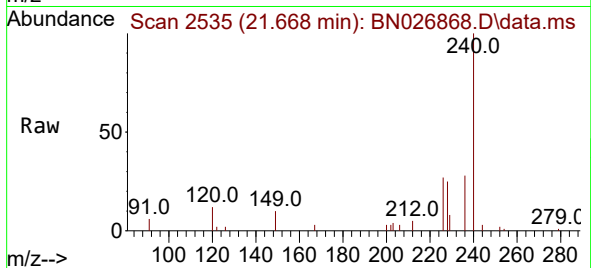
Tgt Ion:240 Resp: 30862

Ion Ratio Lower Upper

240 100

120 12.1 9.2 13.8

236 28.3 21.9 32.9



#30

Pyrene

Concen: 0.517 ng

RT: 19.899 min Scan# 2223

Delta R.T. -0.009 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

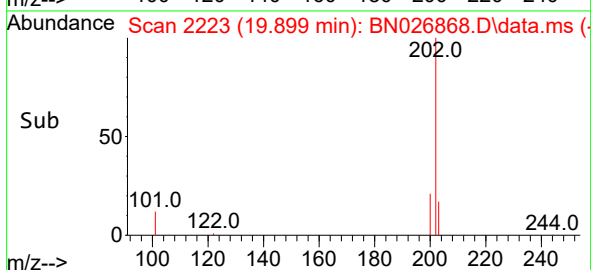
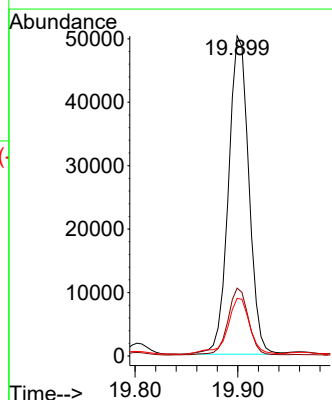
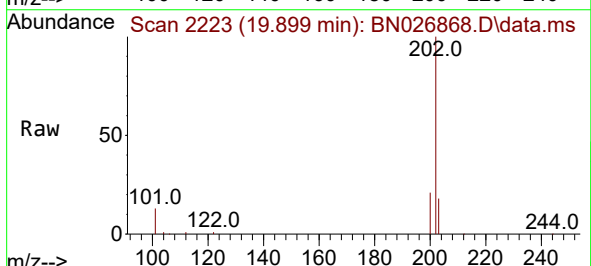
Tgt Ion:202 Resp: 68954

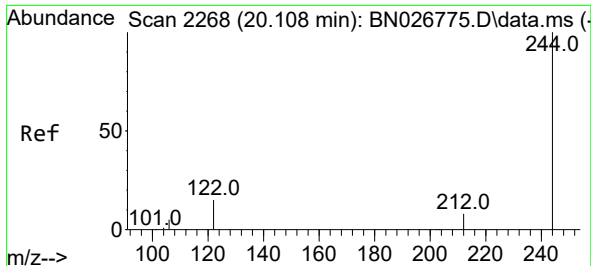
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 19.1 14.2 21.2

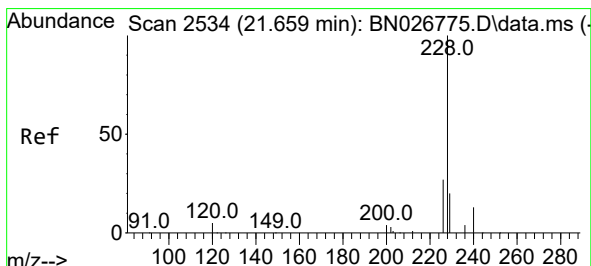
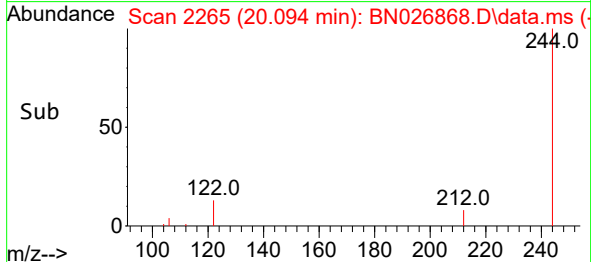
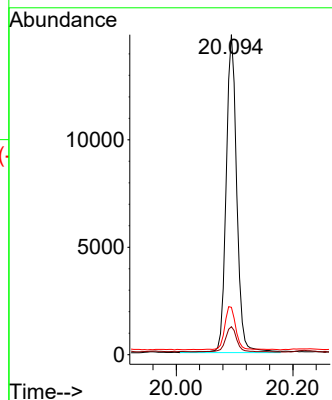
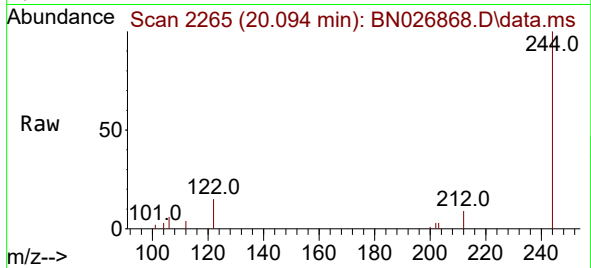




#31
 Terphenyl-d14
 Concen: 0.289 ng
 RT: 20.094 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BN026868.D
 Acq: 09 Aug 2023 15:07

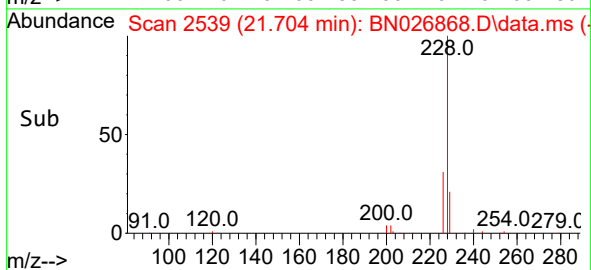
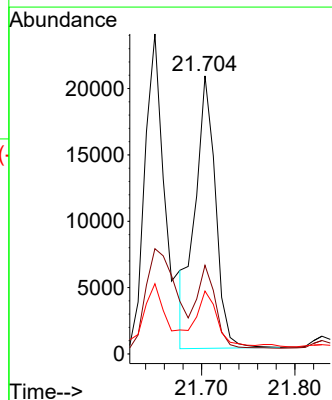
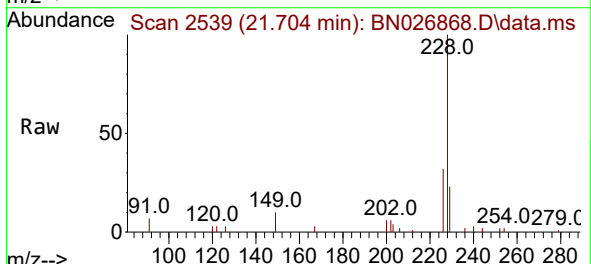
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-21-(0-5)

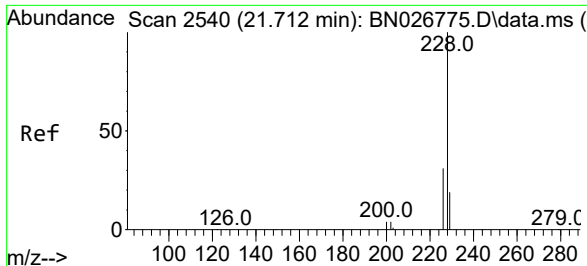
Tgt Ion:244 Resp: 18593
 Ion Ratio Lower Upper
 244 100
 212 8.8 7.0 10.4
 122 14.8 12.3 18.5



#32
 Benzo(a)anthracene
 Concen: 0.294 ng
 RT: 21.704 min Scan# 2539
 Delta R.T. 0.045 min
 Lab File: BN026868.D
 Acq: 09 Aug 2023 15:07

Tgt Ion:228 Resp: 31185
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.9 32.9
 229 22.6 15.8 23.8





#33

Chrysene

Concen: 0.264 ng

RT: 21.704 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-21-(0-5)

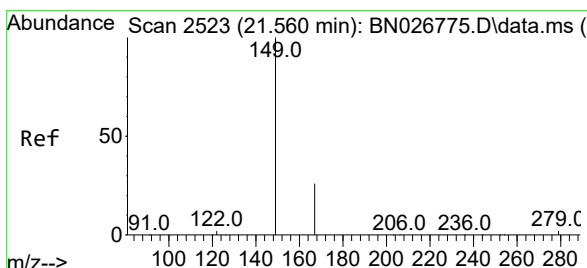
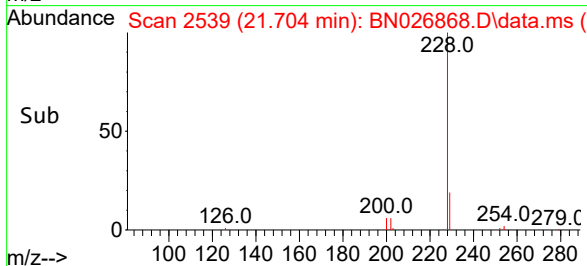
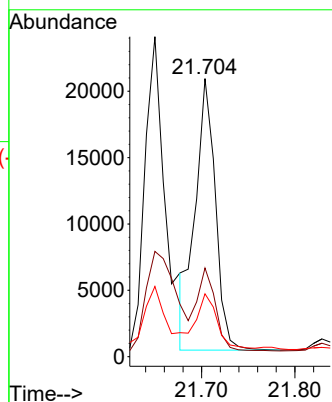
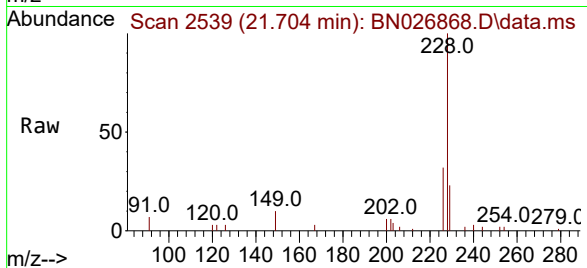
Tgt Ion:228 Resp: 30911

Ion Ratio Lower Upper

228 100

226 31.9 24.6 36.8

229 22.6 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 2.315 ng

RT: 21.542 min Scan# 2521

Delta R.T. -0.018 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

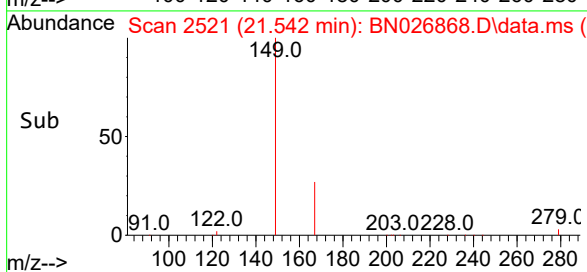
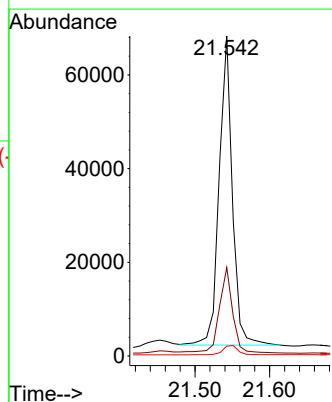
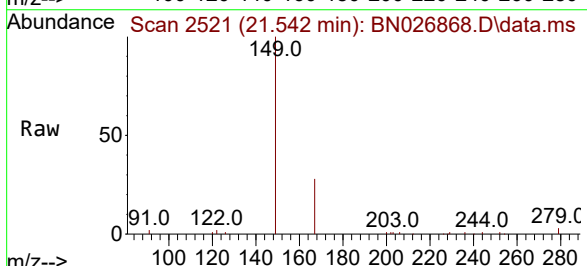
Tgt Ion:149 Resp: 81278

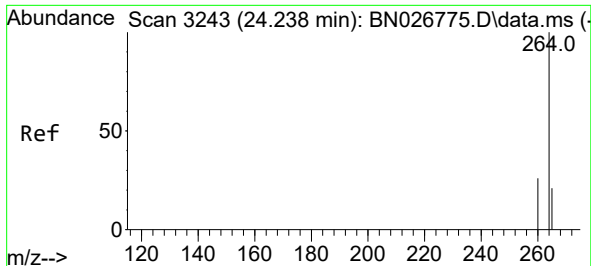
Ion Ratio Lower Upper

149 100

167 27.7 20.8 31.2

279 3.5 2.4 3.6

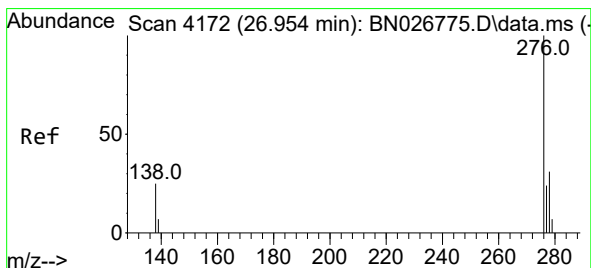
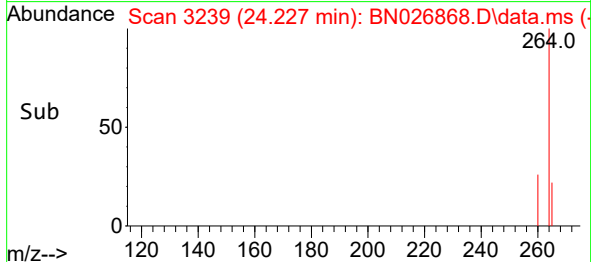
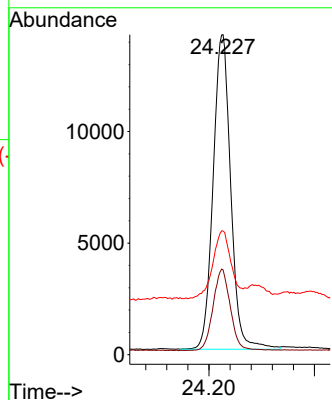
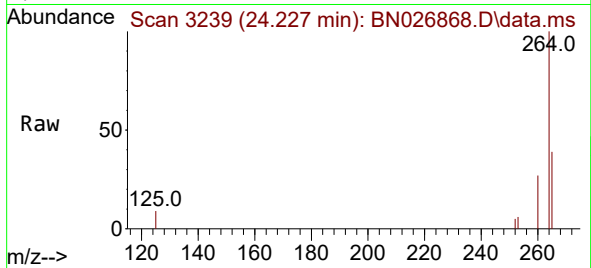




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.227 min Scan# 31
 Delta R.T. -0.012 min
 Lab File: BN026868.D
 Acq: 09 Aug 2023 15:07

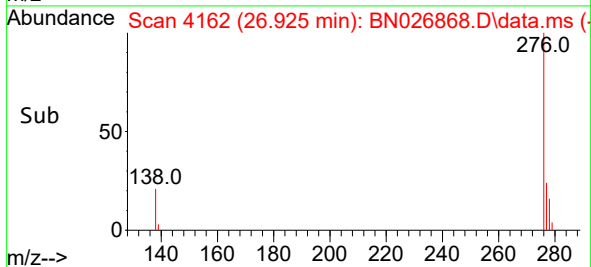
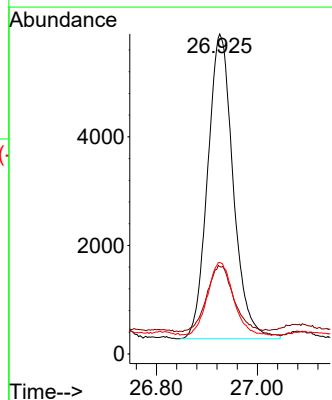
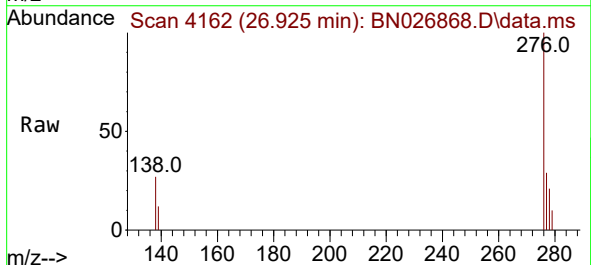
Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-21-(0-5)

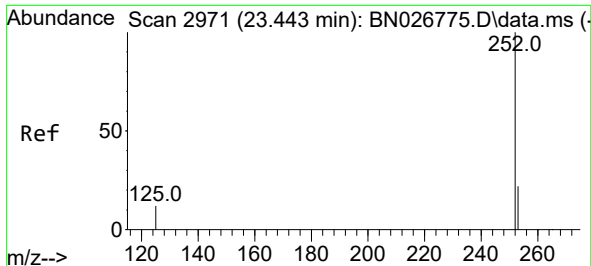
Tgt Ion:264 Resp: 32621
 Ion Ratio Lower Upper
 264 100
 260 26.5 21.0 31.6
 265 38.7 22.6 33.8#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.148 ng
 RT: 26.925 min Scan# 4162
 Delta R.T. -0.029 min
 Lab File: BN026868.D
 Acq: 09 Aug 2023 15:07

Tgt Ion:276 Resp: 19732
 Ion Ratio Lower Upper
 276 100
 138 22.4 22.8 34.2#
 277 24.2 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.320 ng

RT: 23.431 min Scan# 2971

Delta R.T. -0.012 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-21-(0-5)

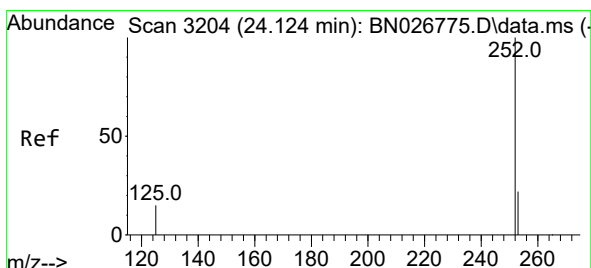
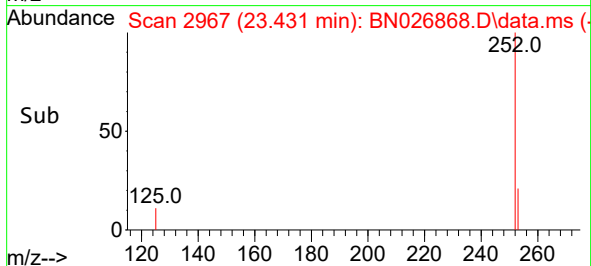
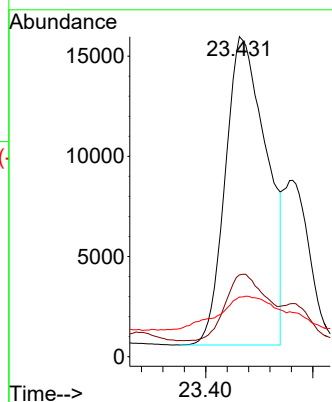
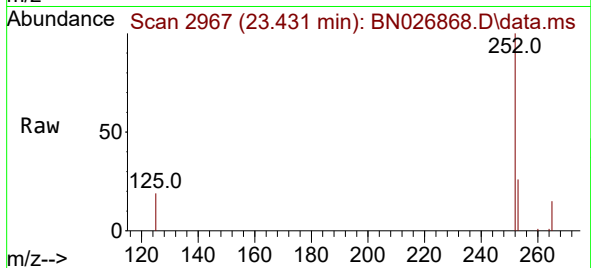
Tgt Ion:252 Resp: 41120

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

125 18.6 10.8 16.2#



#39

Benzo(a)pyrene

Concen: 0.279 ng

RT: 24.110 min Scan# 3199

Delta R.T. -0.015 min

Lab File: BN026868.D

Acq: 09 Aug 2023 15:07

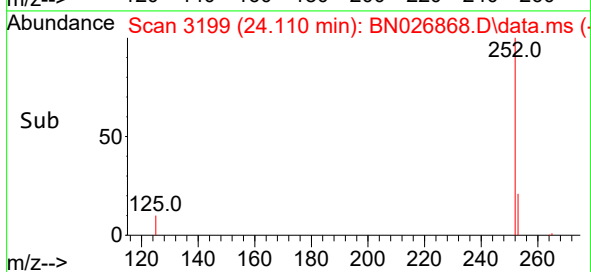
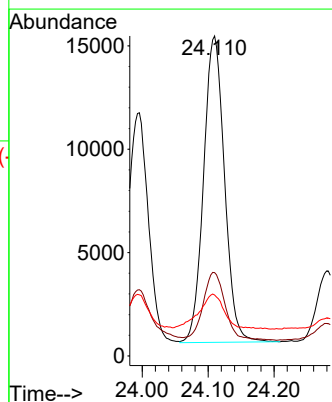
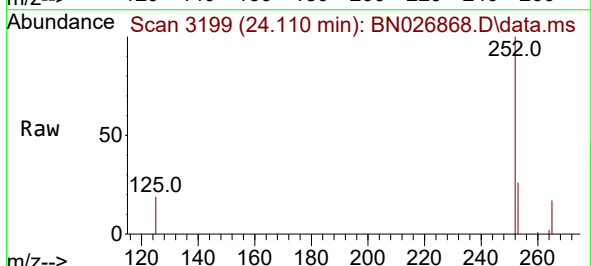
Tgt Ion:252 Resp: 32696

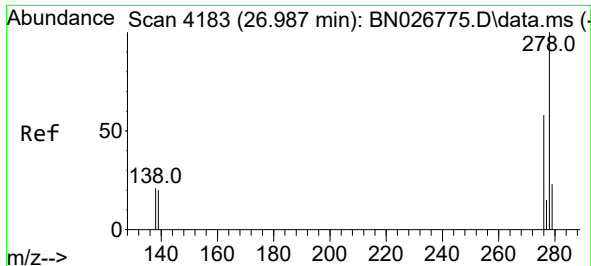
Ion Ratio Lower Upper

252 100

253 26.1 18.5 27.7

125 19.1 12.7 19.1

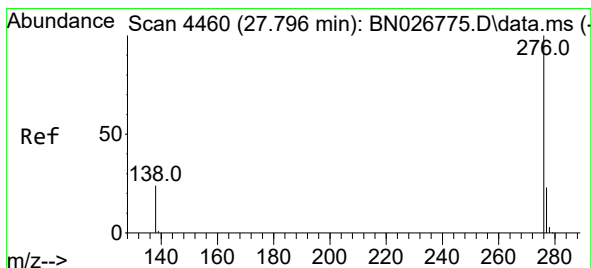
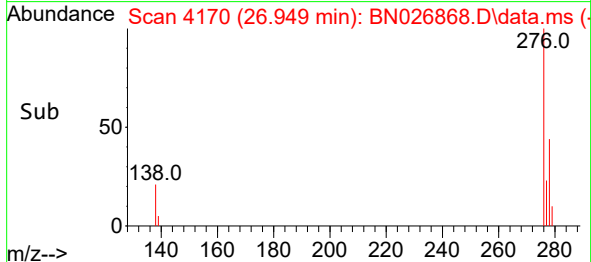
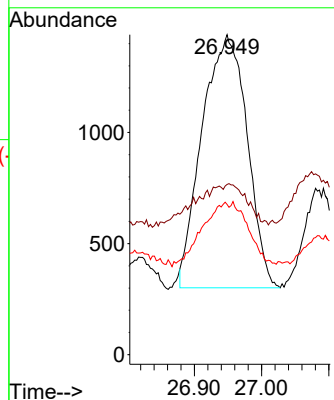
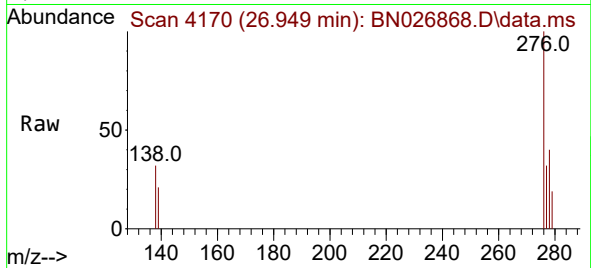




#40
Dibenzo(a,h)anthracene
Concen: 0.051 ng
RT: 26.949 min Scan# 4183
Delta R.T. -0.038 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-21-(0-5)

Tgt Ion:278 Resp: 5290
Ion Ratio Lower Upper
278 100
139 53.2 16.8 25.2#
279 46.9 19.5 29.3#



#41
Benzo(g,h,i)perylene
Concen: 0.178 ng
RT: 27.764 min Scan# 4449
Delta R.T. -0.032 min
Lab File: BN026868.D
Acq: 09 Aug 2023 15:07

Tgt Ion:276 Resp: 21728
Ion Ratio Lower Upper
276 100
277 27.8 19.1 28.7
138 28.8 19.8 29.6

