

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080923\
 Data File : BN026856.D
 Acq On : 08 Aug 2023 19:18
 Operator : MA/JU
 Sample : 03815-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-15-(5-10)

Quant Time: Aug 09 01:12:07 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

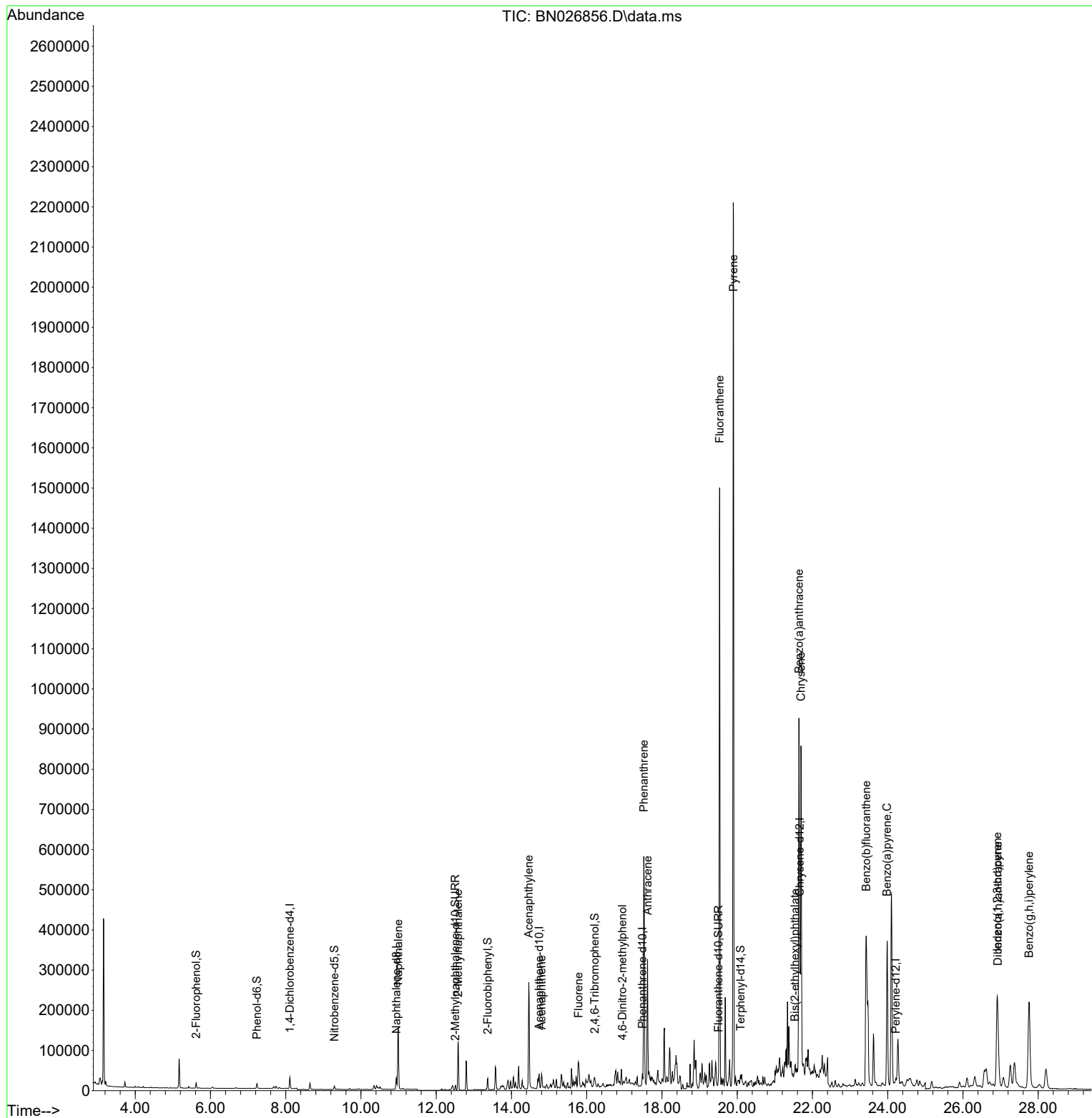
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	13326	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	38489	0.400	ng	# 0.00
13) Acenaphthene-d10	14.737	164	21402	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	40674	0.400	ng	0.00
29) Chrysene-d12	21.659	240	26908	0.400	ng	# 0.00
35) Perylene-d12	24.215	264	27933	0.400	ng	#-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	10652	0.316	ng	0.00
5) Phenol-d6	7.236	99	11949	0.273	ng	0.00
8) Nitrobenzene-d5	9.294	82	6713	0.295	ng	0.00
11) 2-Methylnaphthalene-d10	12.510	152	16165	0.293	ng	0.00
14) 2,4,6-Tribromophenol	16.214	330	1770	0.243	ng	-0.01
15) 2-Fluorobiphenyl	13.368	172	24028	0.275	ng	0.00
27) Fluoranthene-d10	19.500	212	24103	0.247	ng	0.00
31) Terphenyl-d14	20.090	244	18014	0.321	ng	0.00
Target Compounds						
9) Naphthalene	10.992	128	214796	2.029	ng	99
12) 2-Methylnaphthalene	12.581	142	84001	1.163	ng	99
16) Acenaphthylene	14.459	152	326430	3.085	ng	100
17) Acenaphthene	14.801	154	16970	0.256	ng	# 87
18) Fluorene	15.780	166	61332	0.710	ng	# 84
20) 4,6-Dinitro-2-methylph...	16.946	198	215	0.327	ng	# 56
25) Phenanthrene	17.517	178	653523	5.290	ng	99
26) Anthracene	17.617	178	346977	3.144	ng	99
28) Fluoranthene	19.532	202	1337767	9.726	ng	98
30) Pyrene	19.899	202	2031629	17.473	ng	98
32) Benzo(a)anthracene	21.641	228	828327	8.964	ng	94
33) Chrysene	21.695	228	767729	7.516	ng	97
34) Bis(2-ethylhexyl)phtha...	21.533	149	9199	0.300	ng	95
36) Indeno(1,2,3-cd)pyrene	26.911	276	453601	3.980	ng	# 93
37) Benzo(b)fluoranthene	23.428	252	798507	7.265	ng	97
39) Benzo(a)pyrene	23.984	252	540390	5.392	ng	98
40) Dibenzo(a,h)anthracene	26.925	278	122051	1.379	ng	94
41) Benzo(g,h,i)perylene	27.758	276	529764	5.055	ng	98

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

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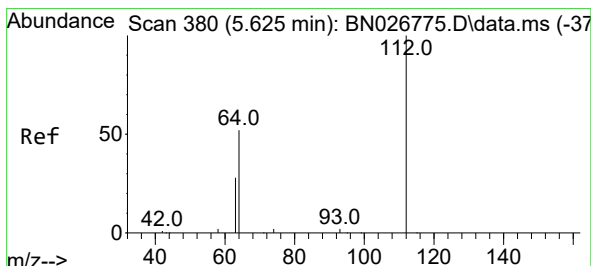
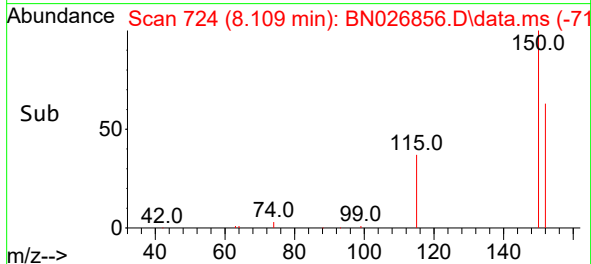
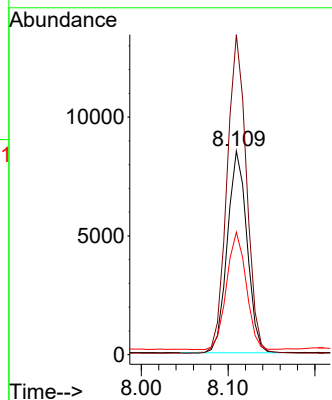
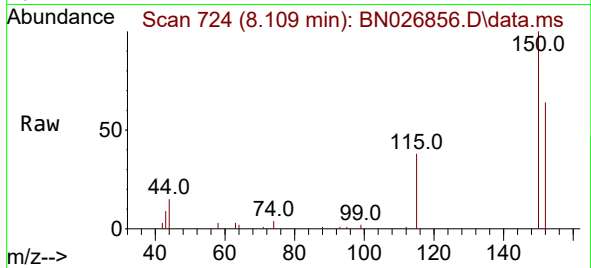




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. -0.001 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

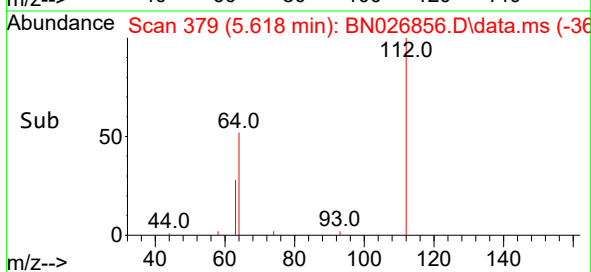
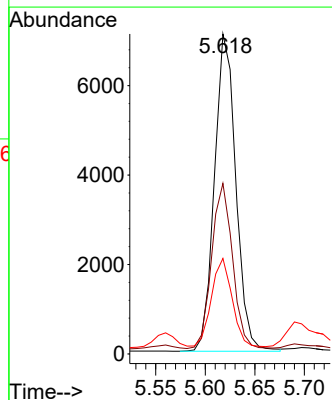
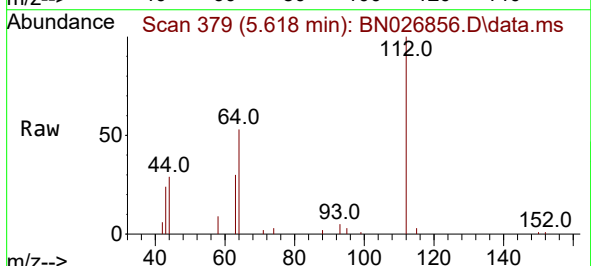
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

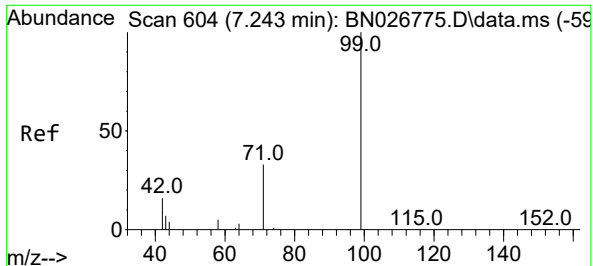
Tgt Ion:152 Resp: 13326
Ion Ratio Lower Upper
152 100
150 157.1 123.8 185.8
115 60.1 48.0 72.0



#4
2-Fluorophenol
Concen: 0.316 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion:112 Resp: 10652
Ion Ratio Lower Upper
112 100
64 50.8 42.2 63.2
63 27.2 22.7 34.1

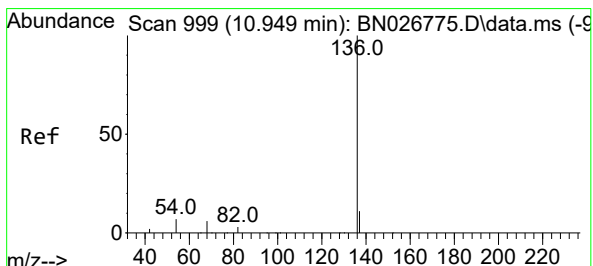
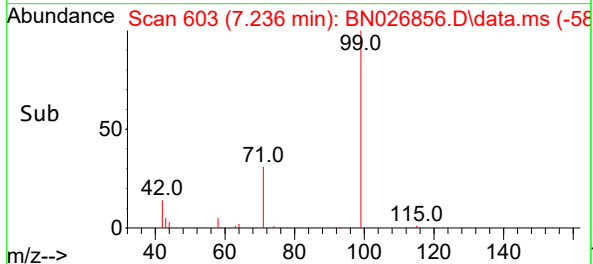
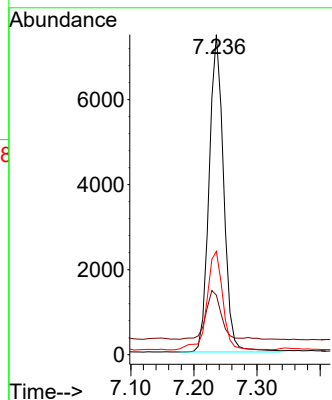
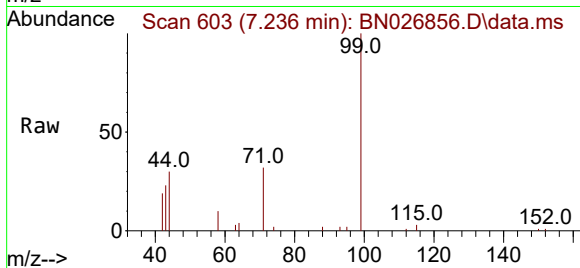




#5
Phenol-d6
Concen: 0.273 ng
RT: 7.236 min Scan# 604
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

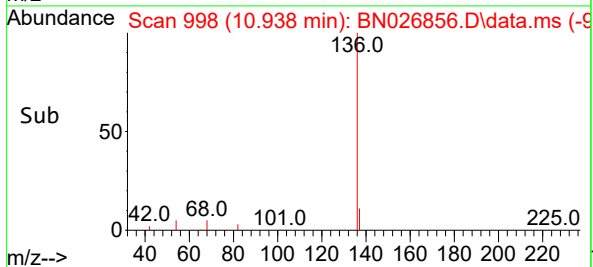
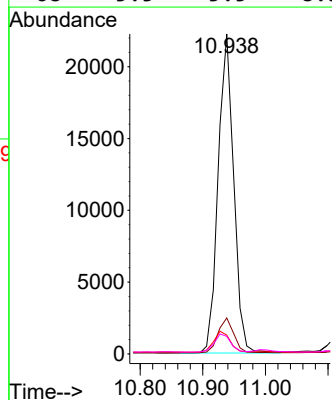
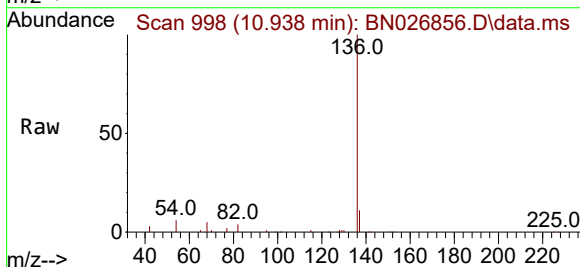
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BUILDING-B-15-(5-10)

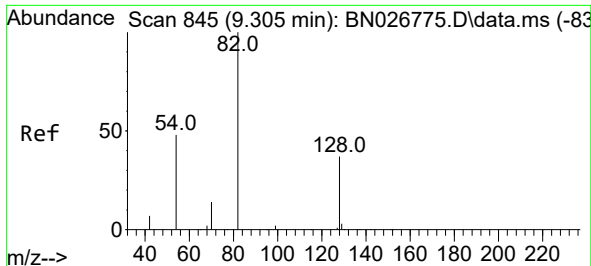
Tgt Ion: 99 Resp: 11949
Ion Ratio Lower Upper
99 100
42 15.7 14.6 22.0
71 33.8 26.6 40.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion: 136 Resp: 38489
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 5.9 6.2 9.2#
68 5.5 5.5 8.3#

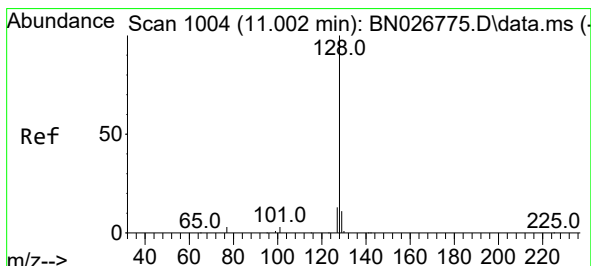
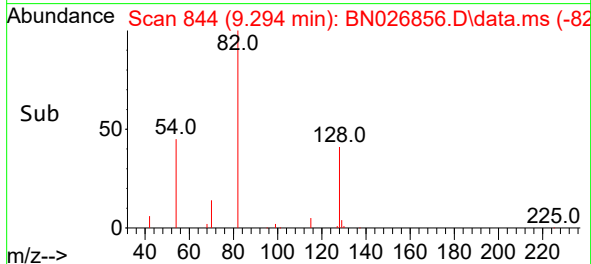
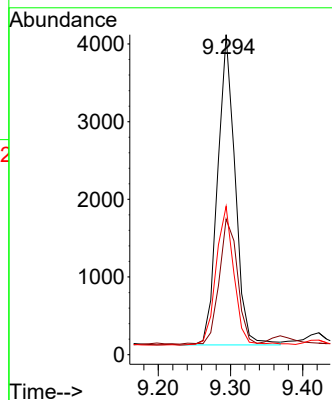
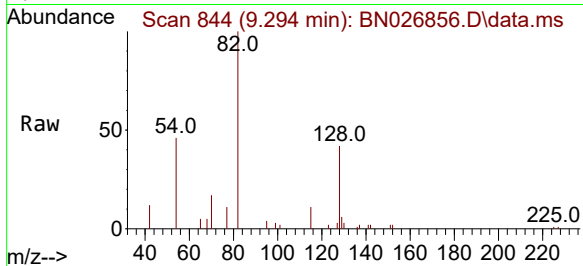




#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 9.294 min Scan# 84
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

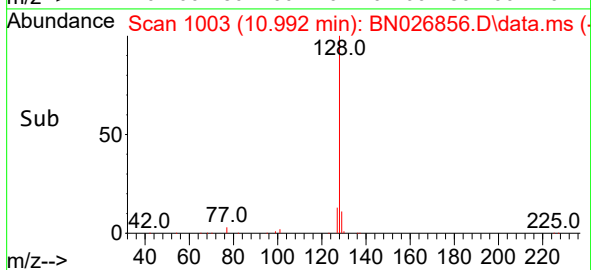
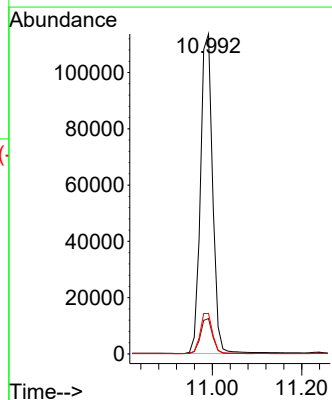
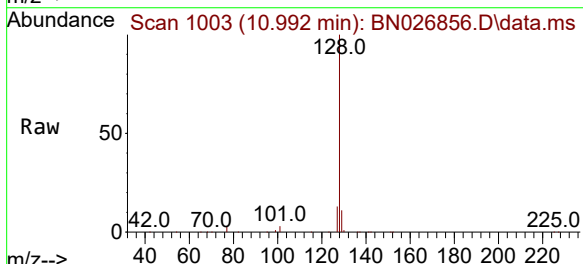
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

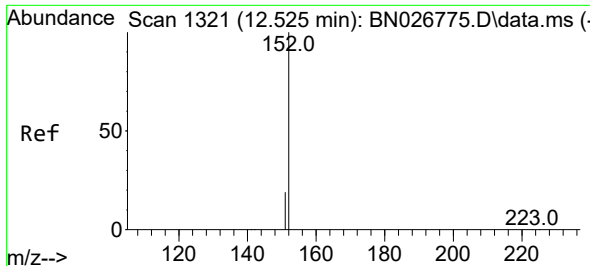
Tgt Ion: 82 Resp: 6713
Ion Ratio Lower Upper
82 100
128 42.4 30.5 45.7
54 46.4 39.4 59.2



#9
Naphthalene
Concen: 2.029 ng
RT: 10.992 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion: 128 Resp: 214796
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 12.7 10.6 16.0

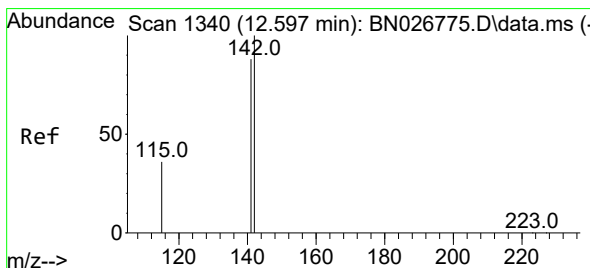
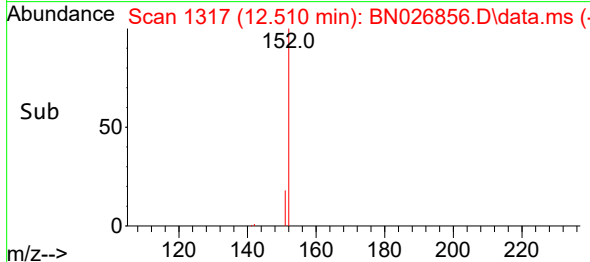
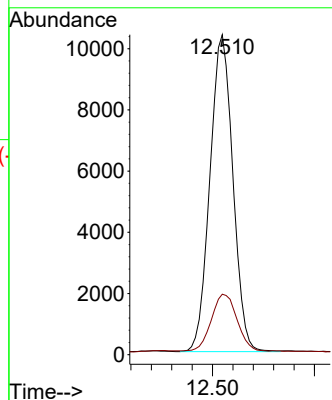
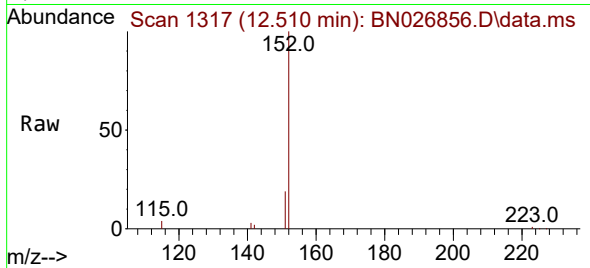




#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

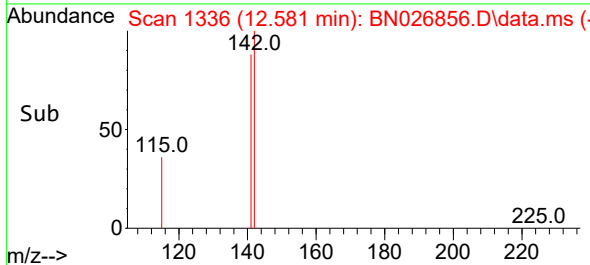
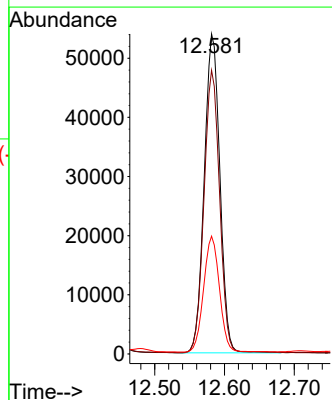
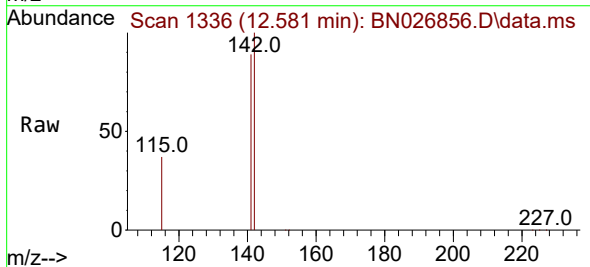
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

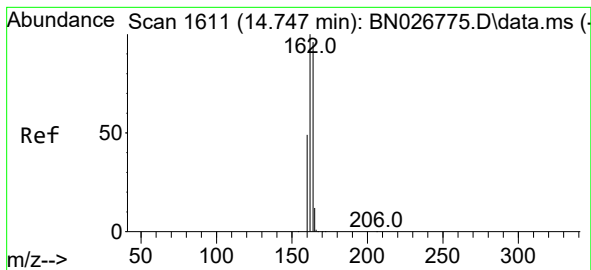
Tgt Ion:152 Resp: 16165
Ion Ratio Lower Upper
152 100
151 20.3 16.5 24.7



#12
2-Methylnaphthalene
Concen: 1.163 ng
RT: 12.581 min Scan# 1336
Delta R.T. -0.004 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion:142 Resp: 84001
Ion Ratio Lower Upper
142 100
141 88.6 70.3 105.5
115 36.8 29.2 43.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.737 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-15-(5-10)

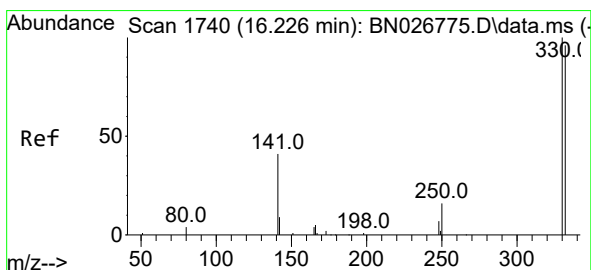
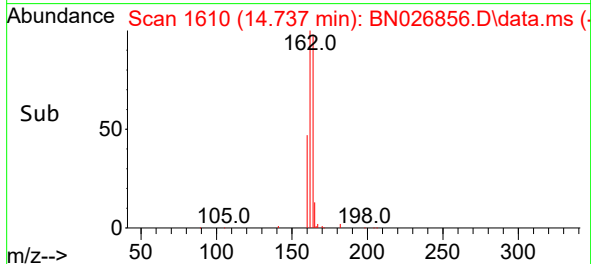
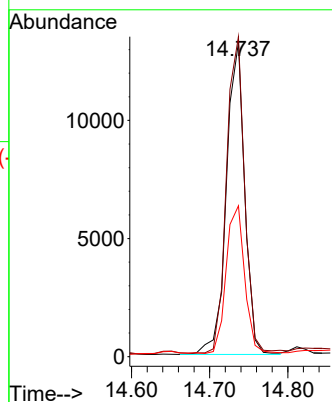
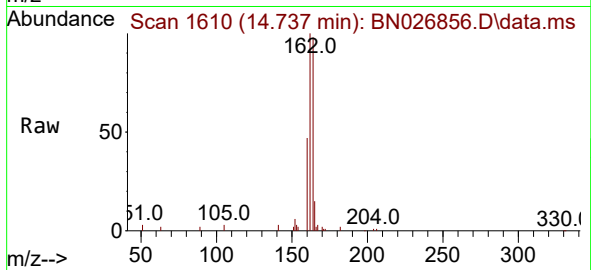
Tgt Ion:164 Resp: 21402

Ion Ratio Lower Upper

164 100

162 101.8 83.0 124.6

160 48.0 40.8 61.2



#14

2,4,6-Tribromophenol

Concen: 0.243 ng

RT: 16.214 min Scan# 1739

Delta R.T. -0.013 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

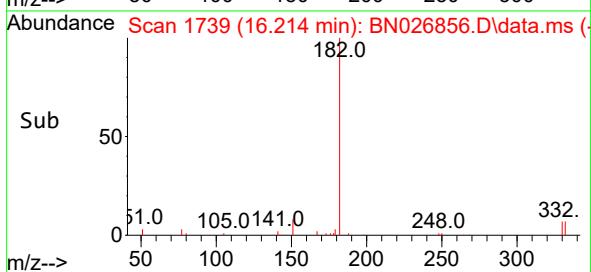
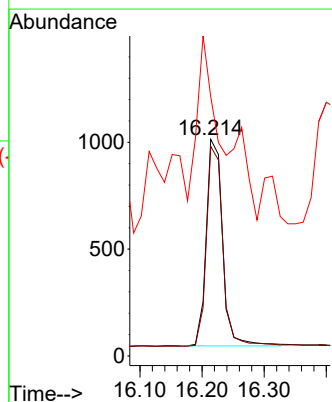
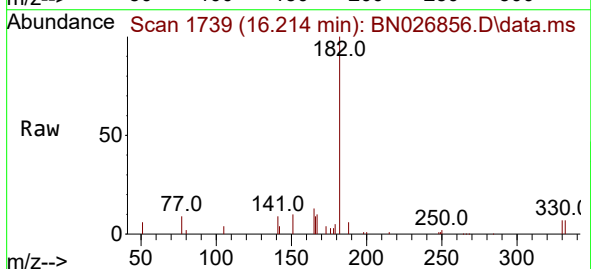
Tgt Ion:330 Resp: 1770

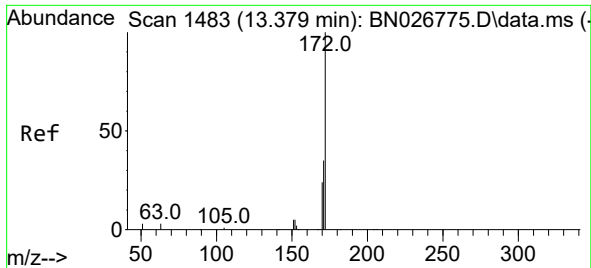
Ion Ratio Lower Upper

330 100

332 96.6 77.8 116.6

141 88.9 34.8 52.2#

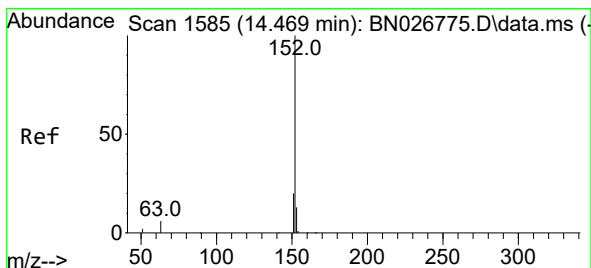
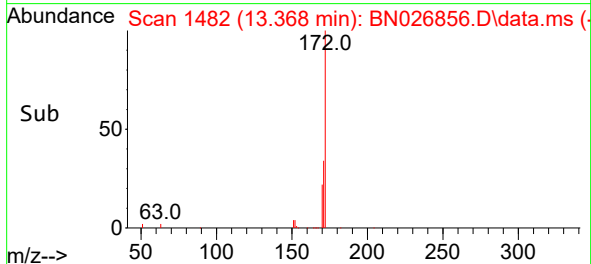
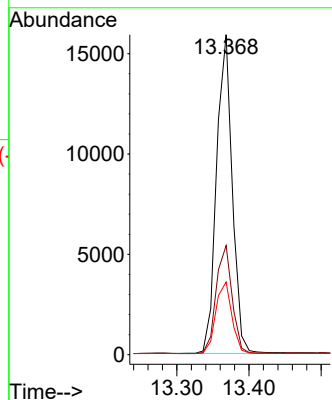
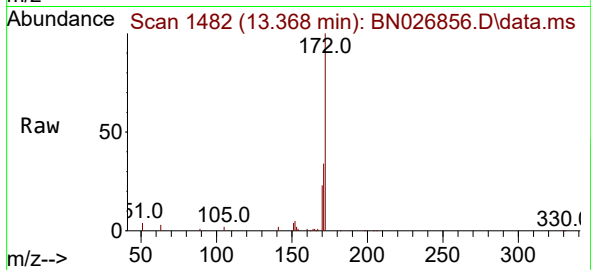




#15
2-Fluorobiphenyl
Concen: 0.275 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

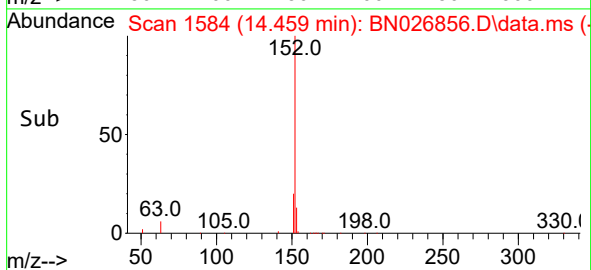
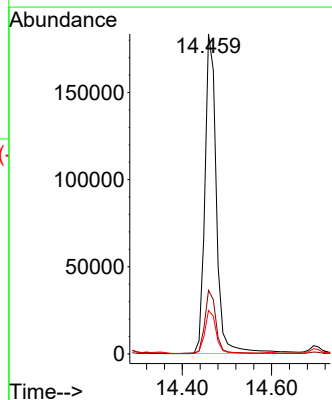
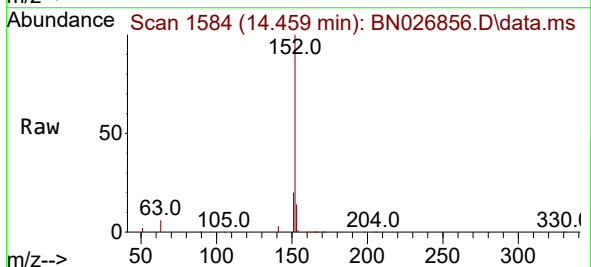
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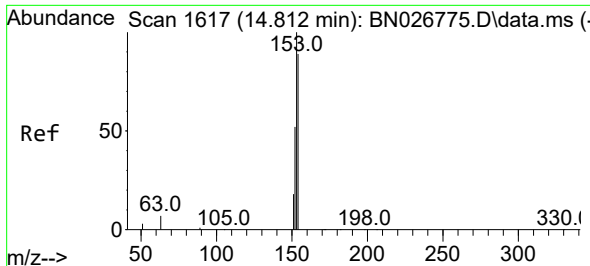
Tgt Ion:172 Resp: 24028
Ion Ratio Lower Upper
172 100
171 34.1 28.0 42.0
170 22.7 19.2 28.8



#16
Acenaphthylene
Concen: 3.085 ng
RT: 14.459 min Scan# 1584
Delta R.T. -0.011 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion:152 Resp: 326430
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.4 10.5 15.7

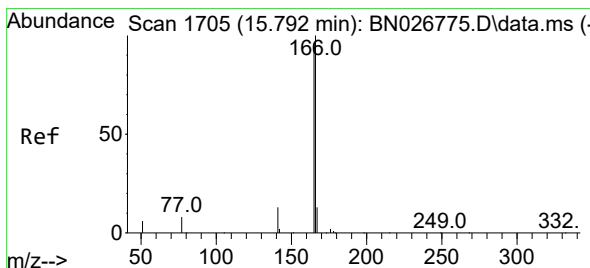
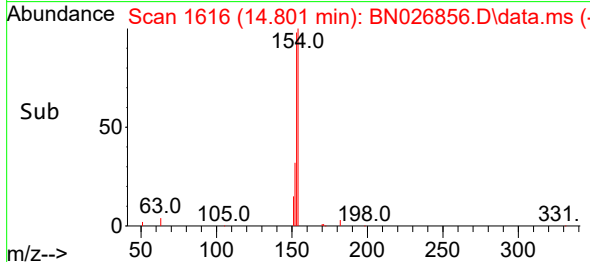
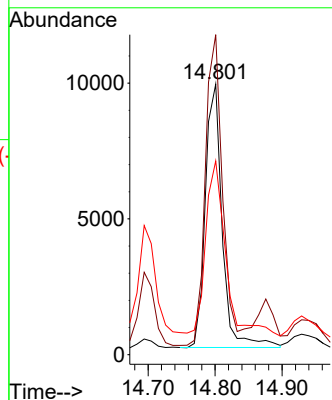
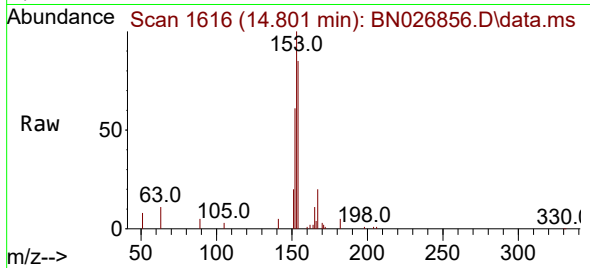




#17
Acenaphthene
Concen: 0.256 ng
RT: 14.801 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

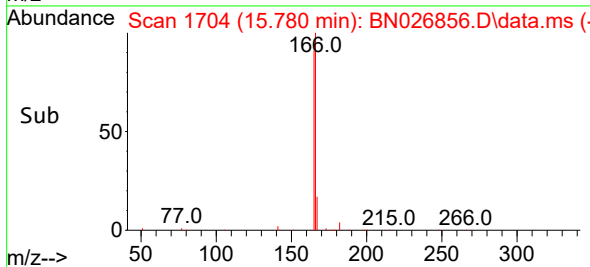
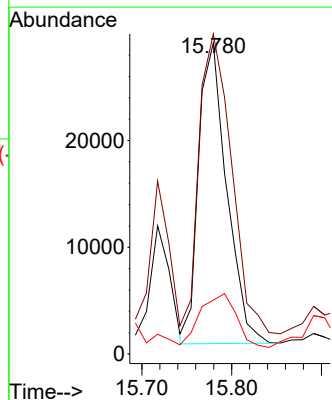
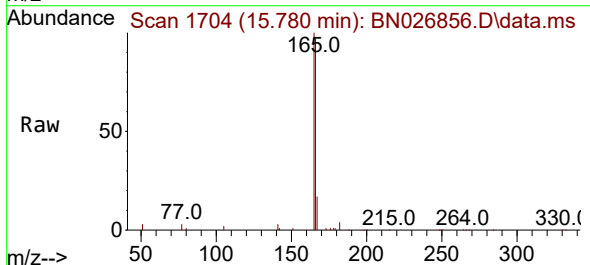
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

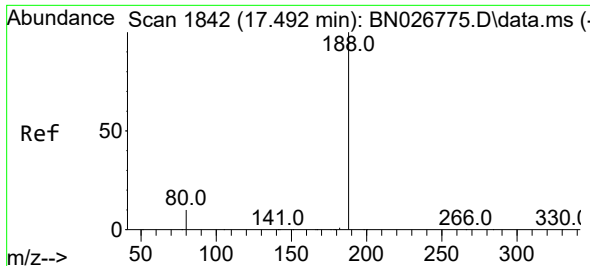
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Ion Ratio Lower Upper
154 100
153 120.5 90.0 135.0
152 78.5 48.6 73.0#



#18
Fluorene
Concen: 0.710 ng
RT: 15.780 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion:166 Resp: 61332
Ion Ratio Lower Upper
166 100
165 114.3 79.0 118.6
167 22.8 10.9 16.3#

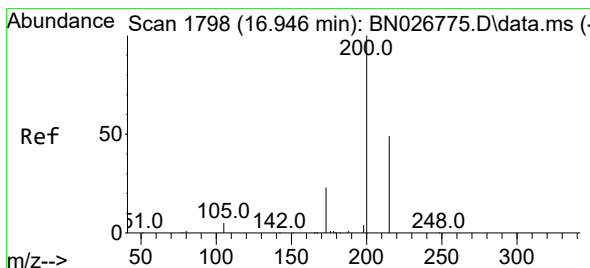
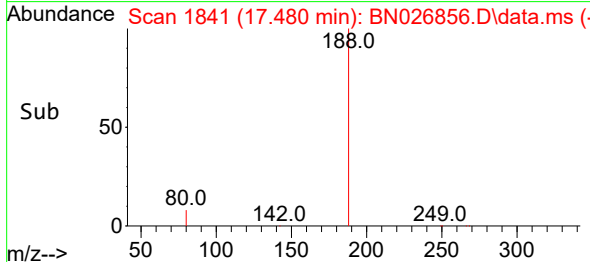
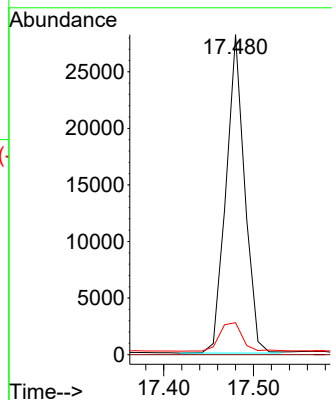
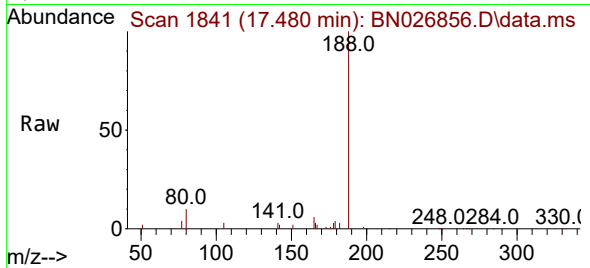




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

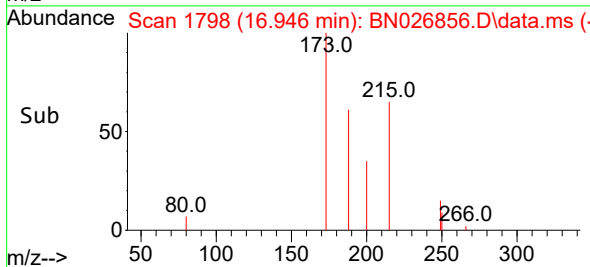
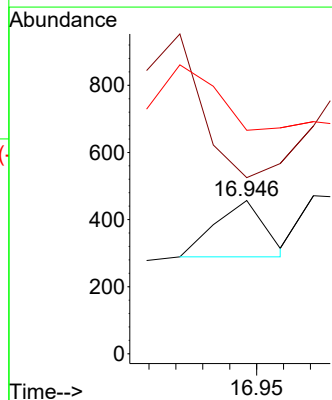
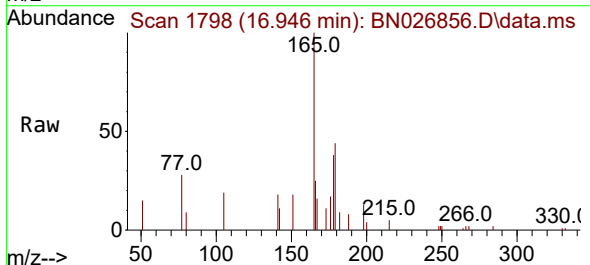
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

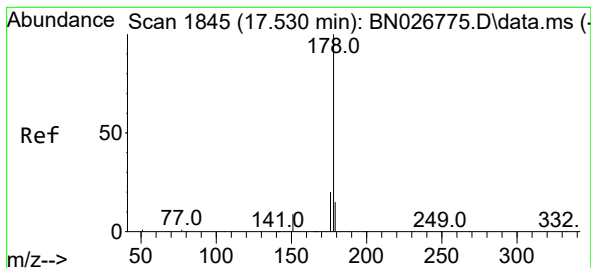
Tgt Ion:188 Resp: 40674
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 8.0 12.0



#20
4,6-Dinitro-2-methylphenol
Concen: 0.327 ng
RT: 16.946 min Scan# 1798
Delta R.T. 0.012 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion:198 Resp: 215
Ion Ratio Lower Upper
198 100
51 114.9 150.5 225.7#
105 145.7 165.0 247.6#





#25

Phenanthrene

Concen: 5.290 ng

RT: 17.517 min Scan# 1844

Delta R.T. -0.012 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-15-(5-10)

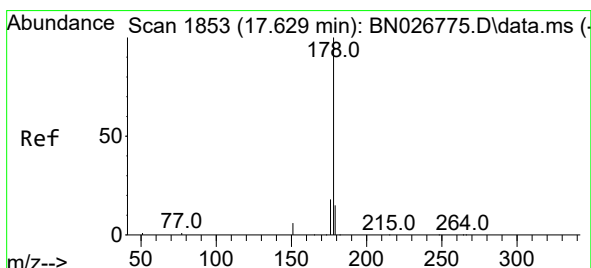
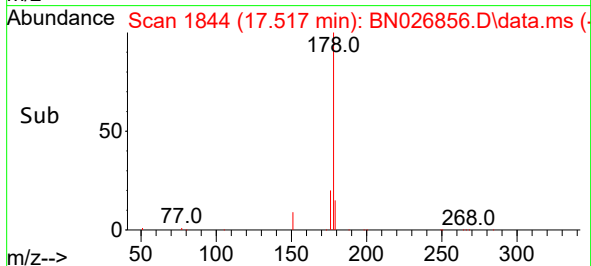
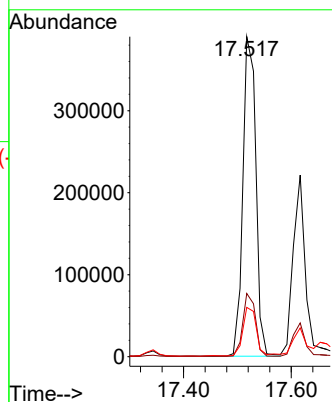
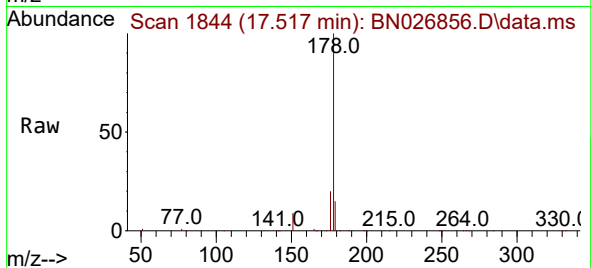
Tgt Ion:178 Resp: 653523

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.0

179 15.9 12.2 18.2



#26

Anthracene

Concen: 3.144 ng

RT: 17.617 min Scan# 1852

Delta R.T. -0.000 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

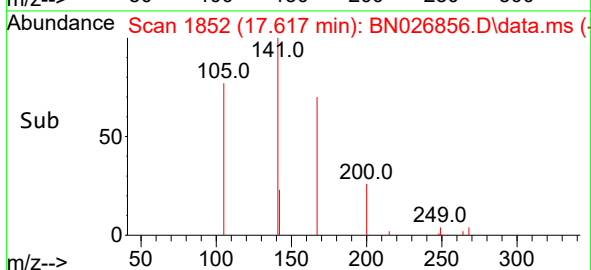
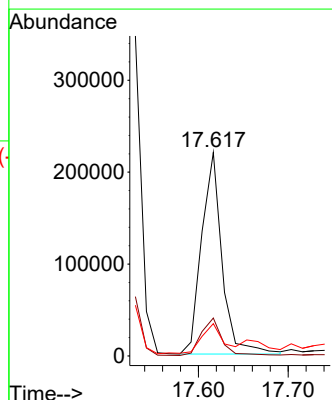
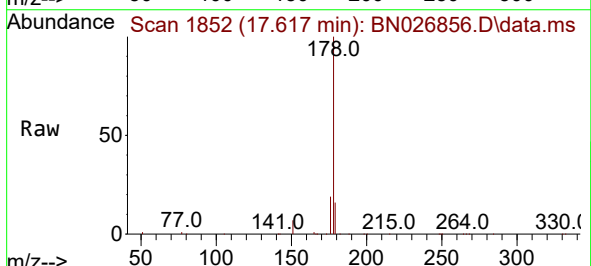
Tgt Ion:178 Resp: 346977

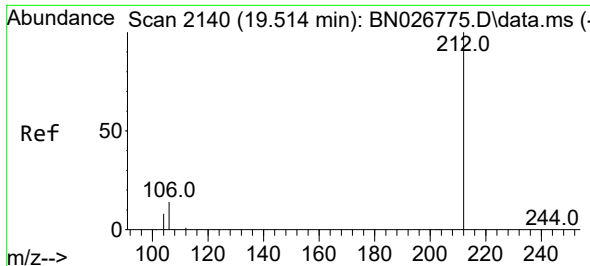
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 14.9 12.2 18.2

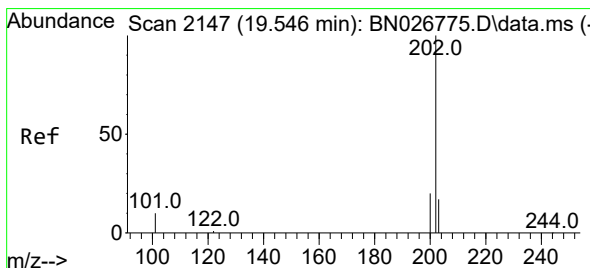
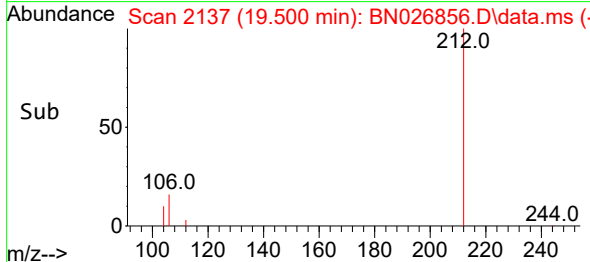
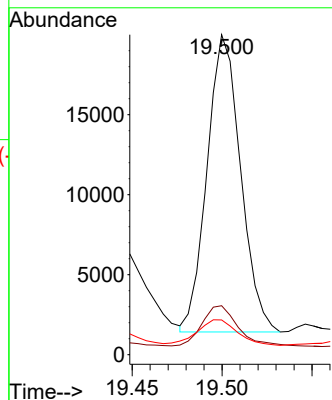
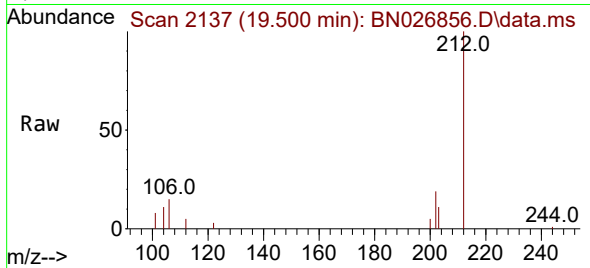




#27
Fluoranthene-d10
Concen: 0.247 ng
RT: 19.500 min Scan# 2140
Delta R.T. -0.005 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

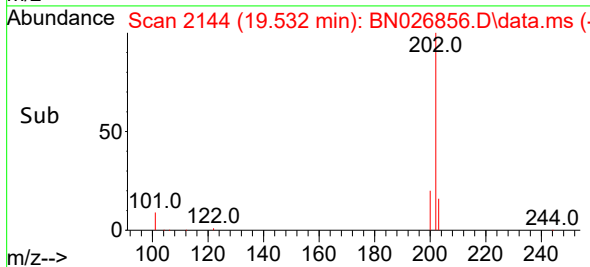
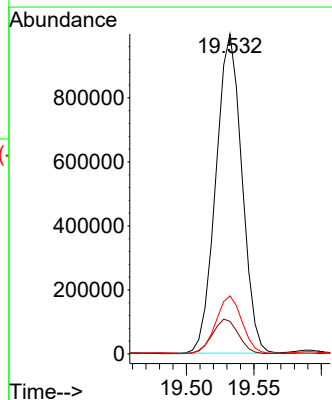
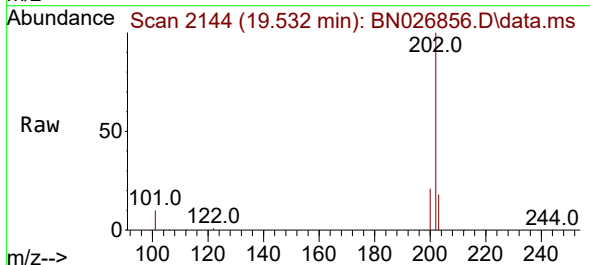
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

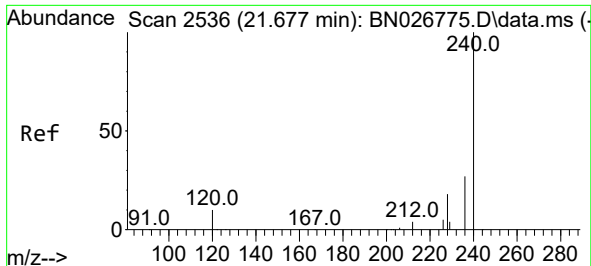
Tgt Ion:212 Resp: 24103
Ion Ratio Lower Upper
212 100
106 15.1 11.7 17.5
104 10.4 6.4 9.6#



#28
Fluoranthene
Concen: 9.726 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion:202 Resp: 1337767
Ion Ratio Lower Upper
202 100
101 10.9 9.2 13.8
203 17.9 13.7 20.5

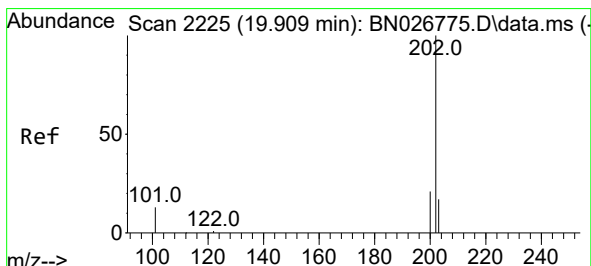
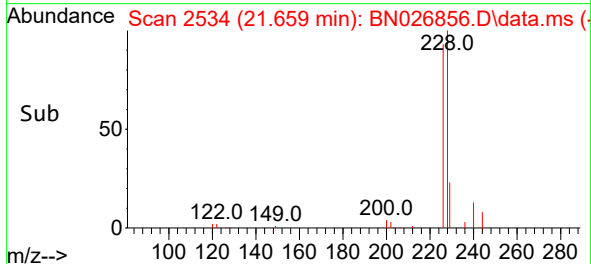
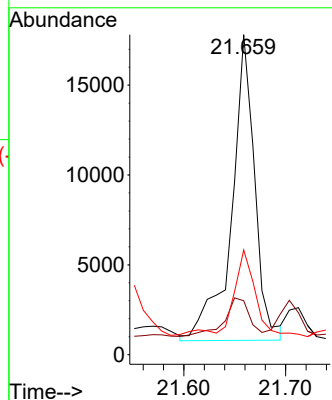
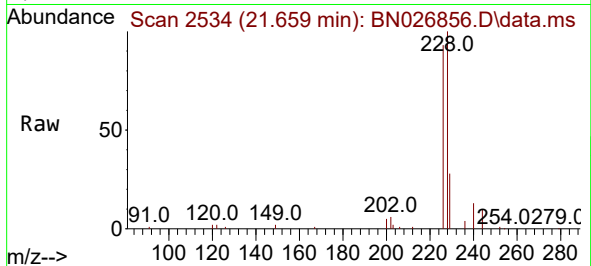




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.659 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

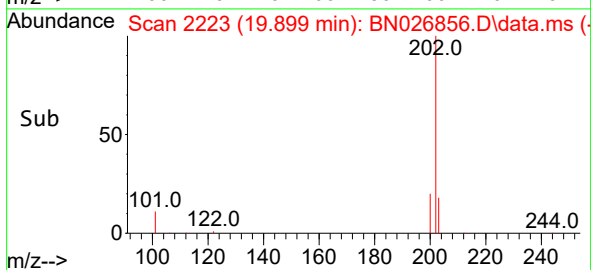
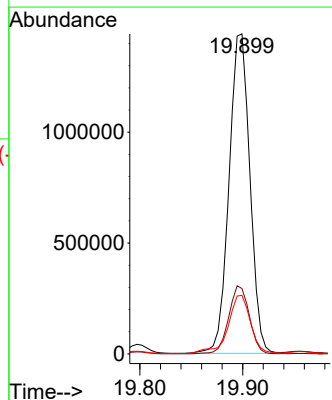
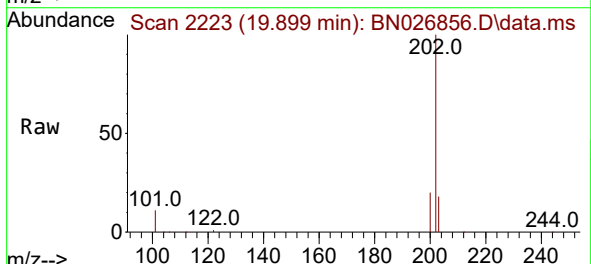
Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

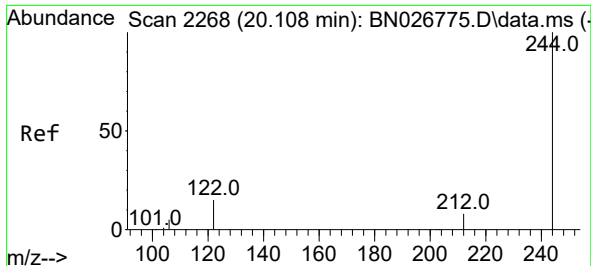
Tgt Ion:240 Resp: 26908
Ion Ratio Lower Upper
240 100
120 16.9 9.2 13.8#
236 32.7 21.9 32.9



#30
Pyrene
Concen: 17.473 ng
RT: 19.899 min Scan# 2223
Delta R.T. -0.000 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

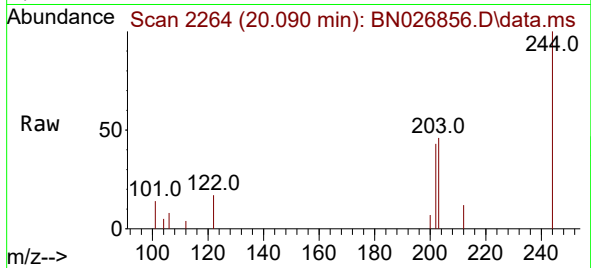
Tgt Ion:202 Resp: 2031629
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 19.6 14.2 21.2



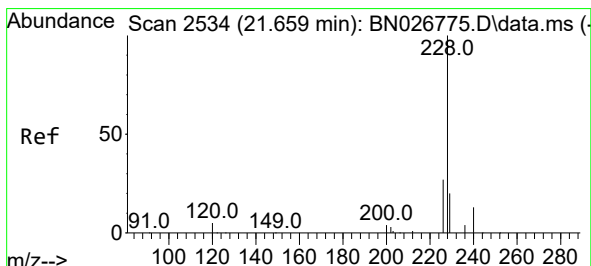
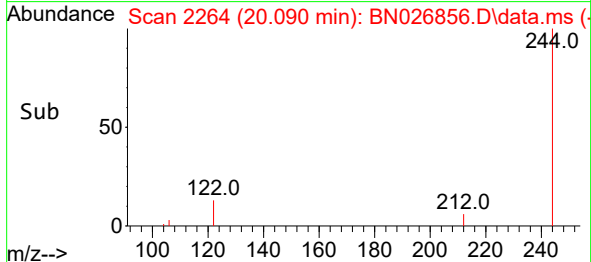
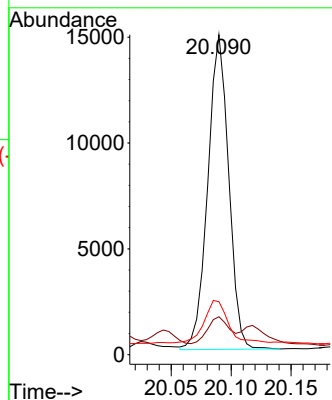


#31
 Terphenyl-d14
 Concen: 0.321 ng
 RT: 20.090 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BN026856.D
 Acq: 08 Aug 2023 19:18

Instrument :
 BNA_N
 ClientSampleId :
 BUILDING-B-15-(5-10)

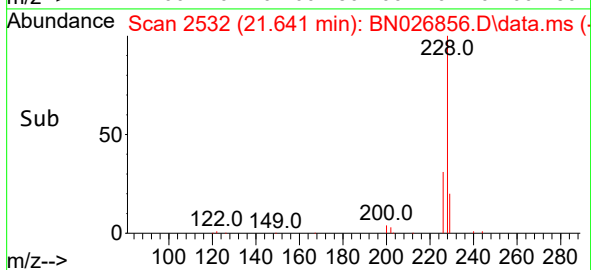
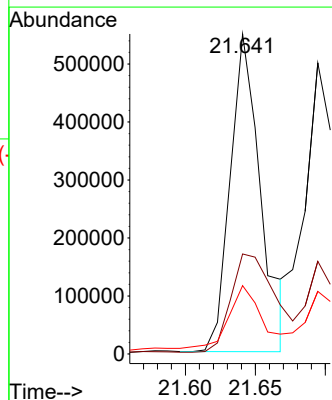
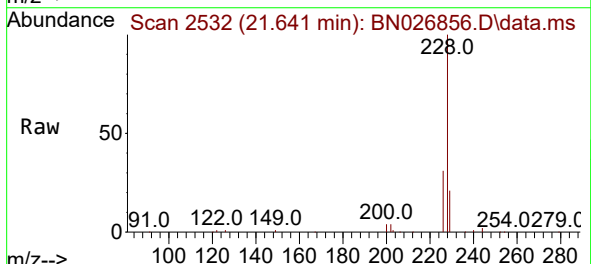


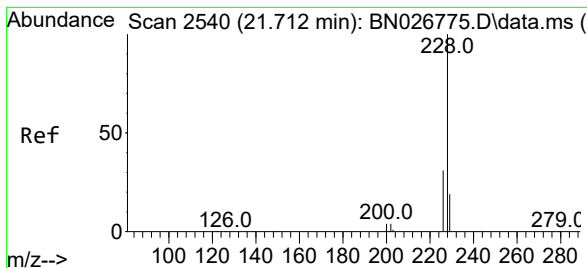
Tgt Ion:244 Resp: 18014
 Ion Ratio Lower Upper
 244 100
 212 11.8 7.0 10.4#
 122 16.5 12.3 18.5



#32
 Benzo(a)anthracene
 Concen: 8.964 ng
 RT: 21.641 min Scan# 2532
 Delta R.T. -0.009 min
 Lab File: BN026856.D
 Acq: 08 Aug 2023 19:18

Tgt Ion:228 Resp: 828327
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.9 32.9
 229 21.4 15.8 23.8





#33

Chrysene

Concen: 7.516 ng

RT: 21.695 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

Instrument :

BNA_N

ClientSampleId :

BUILDING-B-15-(5-10)

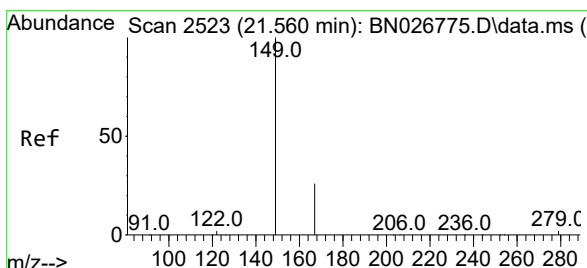
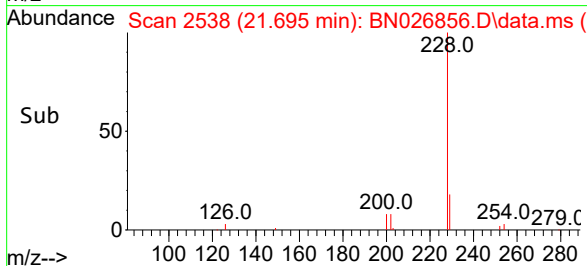
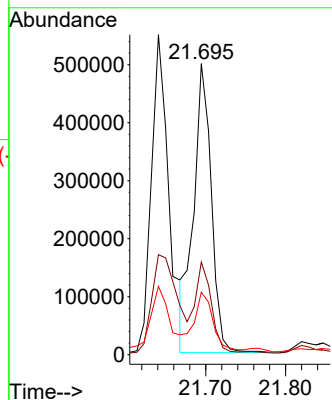
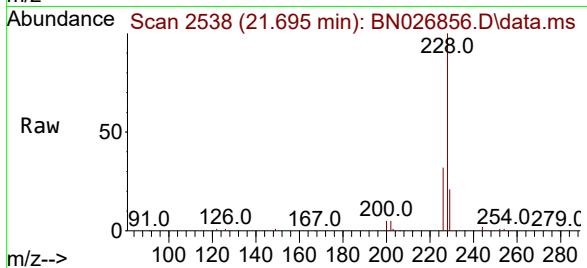
Tgt Ion:228 Resp: 767729

Ion Ratio Lower Upper

228 100

226 31.8 24.6 36.8

229 21.5 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.300 ng

RT: 21.533 min Scan# 2520

Delta R.T. -0.009 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

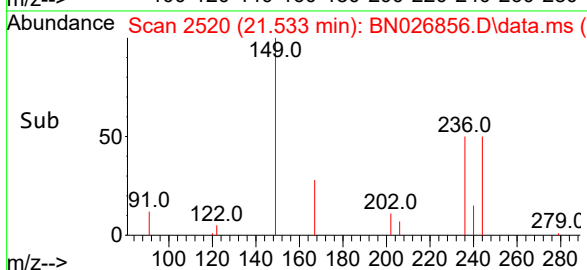
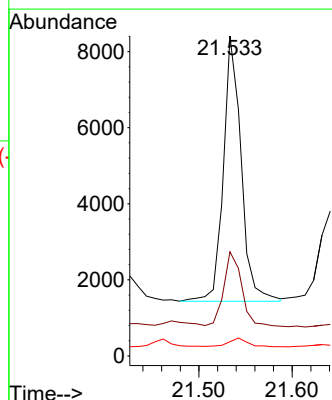
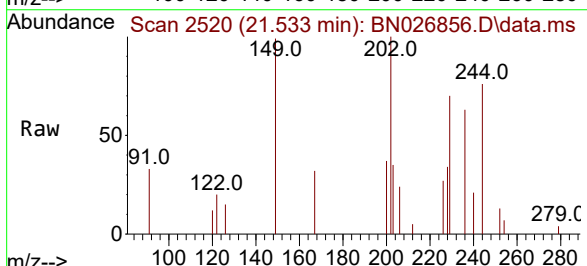
Tgt Ion:149 Resp: 9199

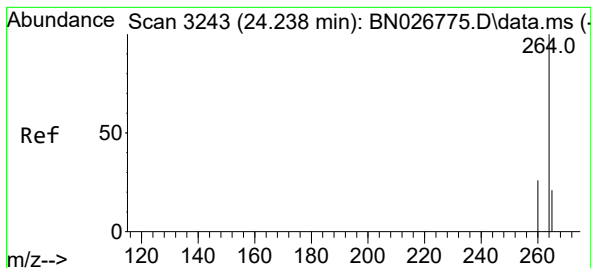
Ion Ratio Lower Upper

149 100

167 28.6 20.8 31.2

279 3.6 2.4 3.6





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.215 min Scan# 31

Delta R.T. -0.012 min

Lab File: BN026856.D

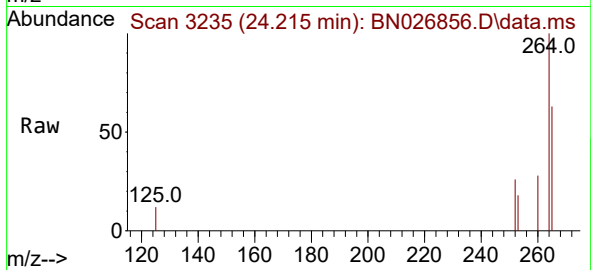
Acq: 08 Aug 2023 19:18

Instrument :

BNA_N

ClientSampleId :

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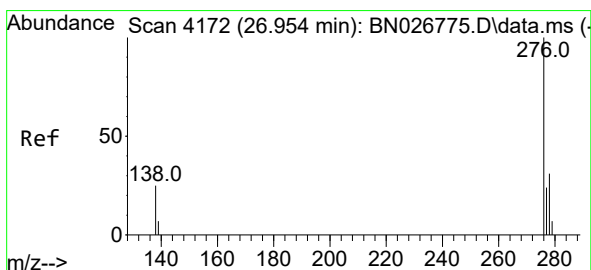
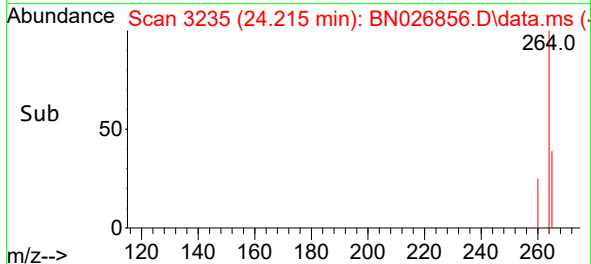
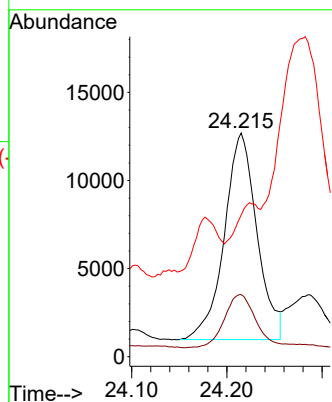
Tgt Ion:264 Resp: 27933

Ion Ratio Lower Upper

264 100

260 27.8 21.0 31.6

265 63.3 22.6 33.8#



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.980 ng

RT: 26.911 min Scan# 4157

Delta R.T. -0.021 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

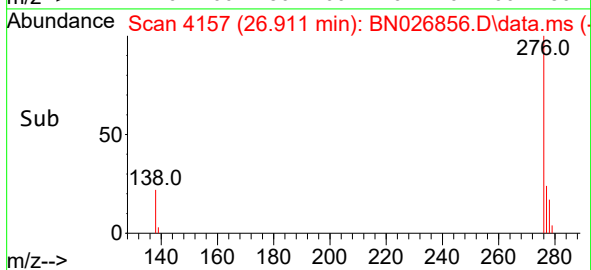
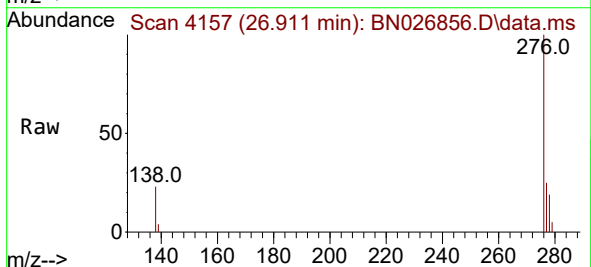
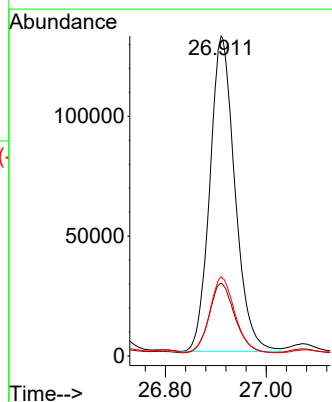
Tgt Ion:276 Resp: 453601

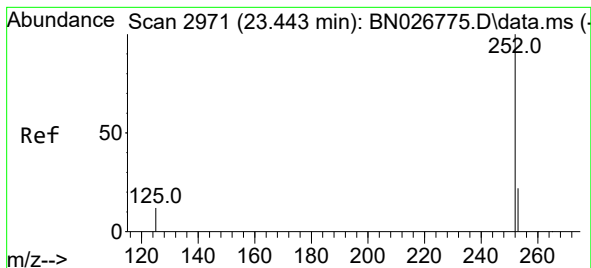
Ion Ratio Lower Upper

276 100

138 22.6 22.8 34.2#

277 24.0 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 7.265 ng

RT: 23.428 min Scan# 2971

Delta R.T. -0.003 min

Lab File: BN026856.D

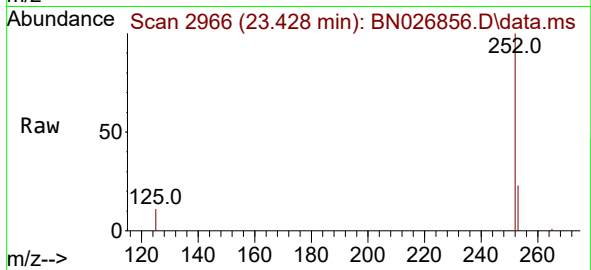
Acq: 08 Aug 2023 19:18

Instrument :

BNA_N

ClientSampleId :

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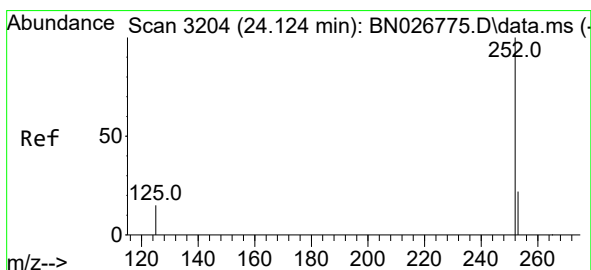
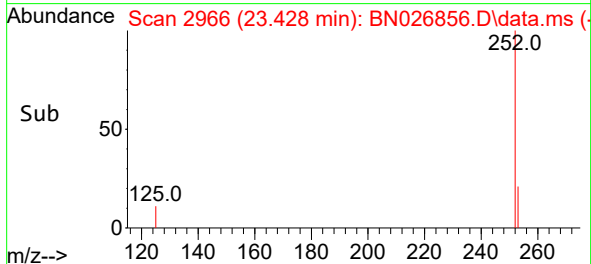
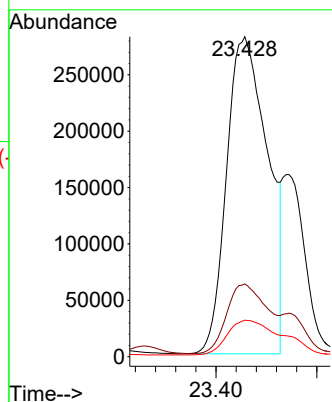
Tgt Ion:252 Resp: 798507

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 11.4 10.8 16.2



#39

Benzo(a)pyrene

Concen: 5.392 ng

RT: 23.984 min Scan# 3156

Delta R.T. -0.126 min

Lab File: BN026856.D

Acq: 08 Aug 2023 19:18

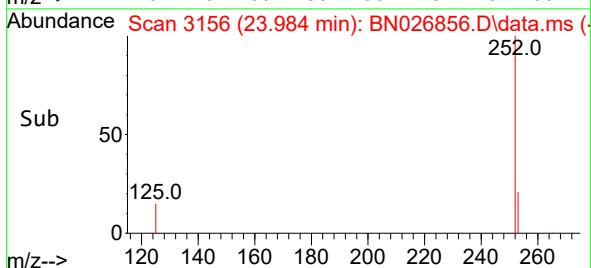
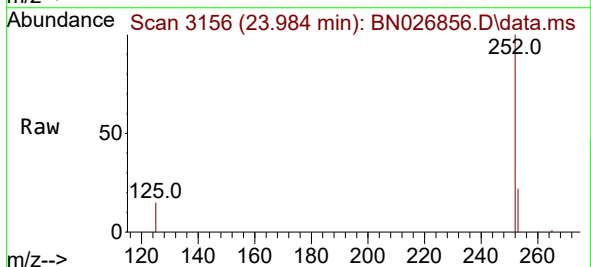
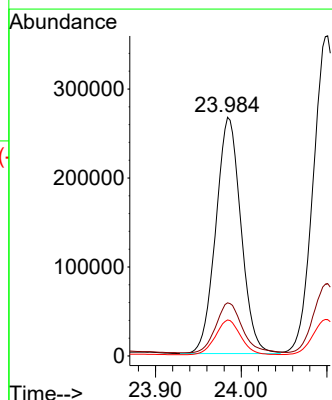
Tgt Ion:252 Resp: 540390

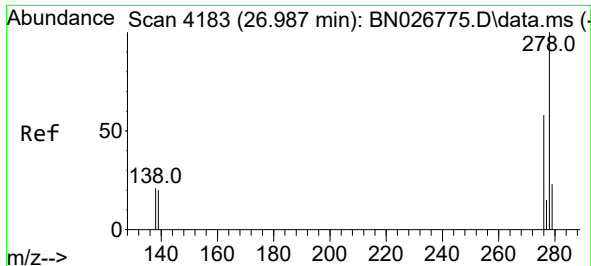
Ion Ratio Lower Upper

252 100

253 22.3 18.5 27.7

125 15.1 12.7 19.1

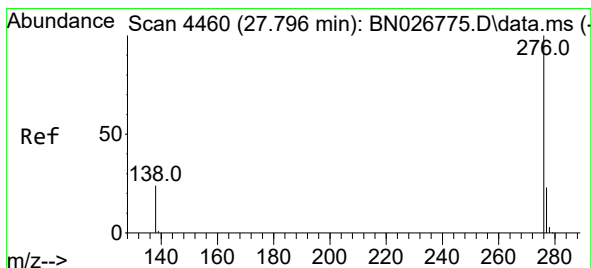
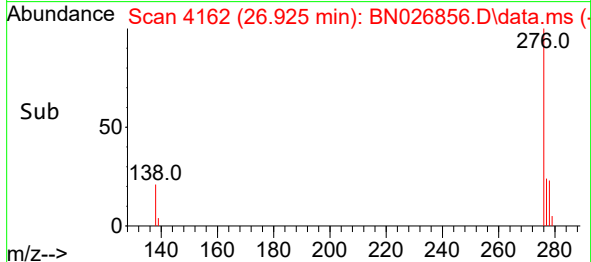
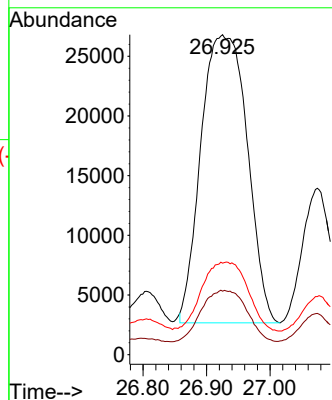
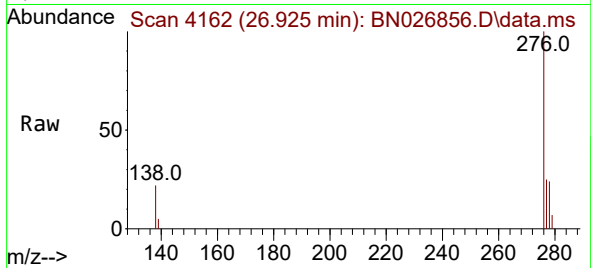




#40
Dibenzo(a,h)anthracene
Concen: 1.379 ng
RT: 26.925 min Scan# 41
Delta R.T. -0.041 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Instrument :
BNA_N
ClientSampleId :
BUILDING-B-15-(5-10)

Tgt Ion:278 Resp: 122051
Ion Ratio Lower Upper
278 100
139 19.8 16.8 25.2
279 28.6 19.5 29.3



#41
Benzo(g,h,i)perylene
Concen: 5.055 ng
RT: 27.758 min Scan# 4447
Delta R.T. -0.012 min
Lab File: BN026856.D
Acq: 08 Aug 2023 19:18

Tgt Ion:276 Resp: 529764
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 23.0 19.8 29.6

