

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052623\
 Data File : BN025651.D
 Acq On : 27 May 2023 18:48
 Operator : CG/JU
 Sample : 02880-20
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB01-20230519

Quant Time: May 29 00:54:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 29 00:47:45 2023
 Response via : Initial Calibration

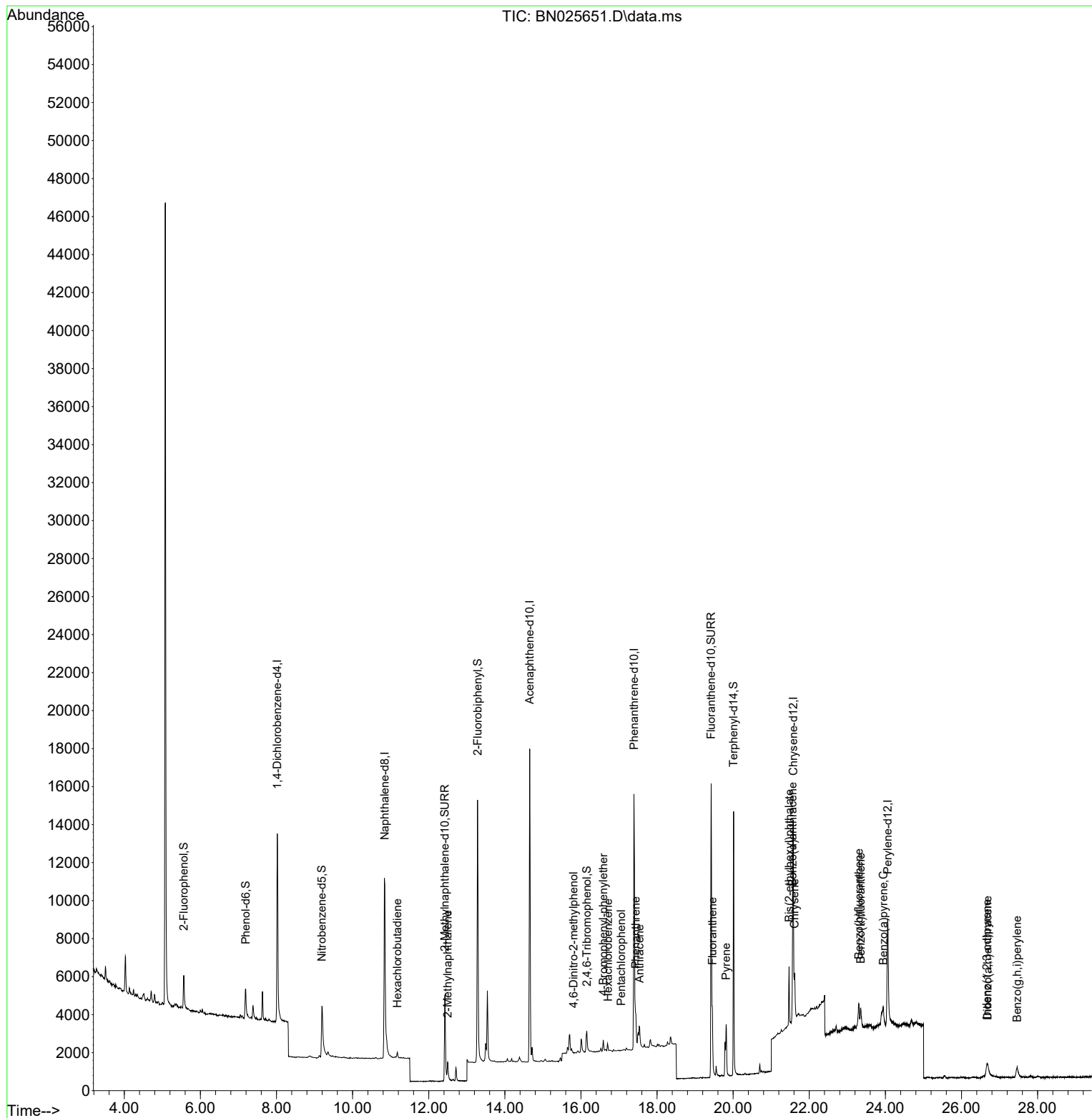
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.019	152	5970	0.400	ng	0.00
7) Naphthalene-d8	10.846	136	16474	0.400	ng	0.01
13) Acenaphthene-d10	14.651	164	9831	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	20241	0.400	ng	0.00
29) Chrysene-d12	21.578	240	12149	0.400	ng	# 0.00
35) Perylene-d12	24.060	264	10140	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.564	112	1879	0.123	ng	0.00
5) Phenol-d6	7.189	99	1074	0.059	ng	0.01
8) Nitrobenzene-d5	9.191	82	4049	0.294	ng	0.00
11) 2-Methylnaphthalene-d10	12.423	152	7693	0.327	ng	0.00
14) 2,4,6-Tribromophenol	16.152	330	827	0.416	ng	0.00
15) 2-Fluorobiphenyl	13.283	172	13303	0.328	ng	0.00
27) Fluoranthene-d10	19.421	212	18309	0.399	ng	0.00
31) Terphenyl-d14	20.011	244	13467	0.506	ng	0.00
Target Compounds						
10) Hexachlorobutadiene	11.177	225	228	0.029	ng	# 95
12) 2-Methylnaphthalene	12.498	142	802	0.026	ng	# 88
20) 4,6-Dinitro-2-methylph...	15.804	198	10	0.117	ng	# 1
21) 4-Bromophenyl-phenylether	16.586	248	250	0.022	ng	91
22) Hexachlorobenzene	16.711	284	271	0.026	ng	97
24) Pentachlorophenol	17.058	266	10	0.373	ng	# 94
25) Phenanthrene	17.443	178	1836	0.030	ng	97
26) Anthracene	17.542	178	1565	0.028	ng	99
28) Fluoranthene	19.453	202	3084	0.046	ng	96
30) Pyrene	19.816	202	2650	0.045	ng	99
32) Benzo(a)anthracene	21.560	228	1801	0.040	ng	# 93
33) Chrysene	21.614	228	2163	0.044	ng	94
34) Bis(2-ethylhexyl)phtha...	21.471	149	3390	0.123	ng	95
36) Indeno(1,2,3-cd)pyrene	26.668	276	1484	0.038	ng	# 89
37) Benzo(b)fluoranthene	23.303	252	1844	0.048	ng	# 15
38) Benzo(k)fluoranthene	23.353	252	1522	0.038	ng	# 2
39) Benzo(a)pyrene	23.949	252	1378	0.037	ng	# 1
40) Dibenzo(a,h)anthracene	26.688	278	1084	0.035	ng	# 1
41) Benzo(g,h,i)perylene	27.463	276	1463	0.042	ng	# 65

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

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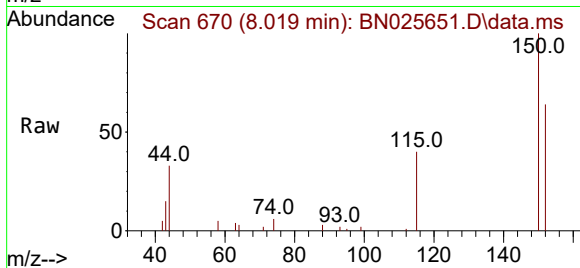
Quant Time: May 29 00:54:15 2023
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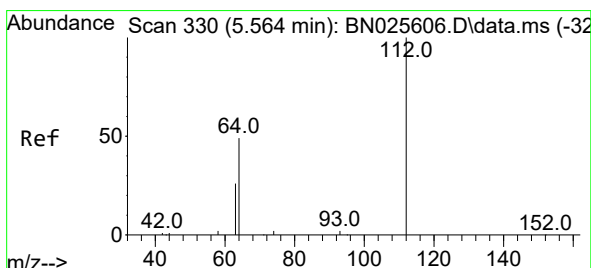
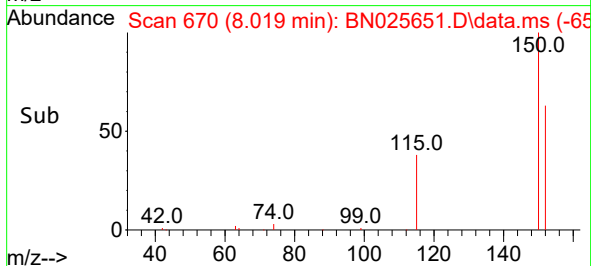
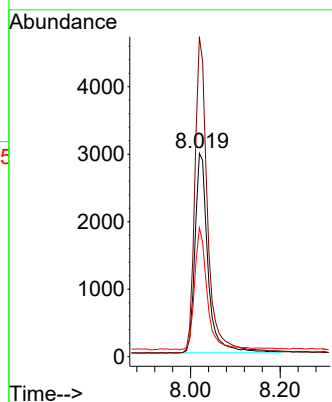


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.019 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Instrument :
BNA_N
ClientSampleId :
EB01-20230519

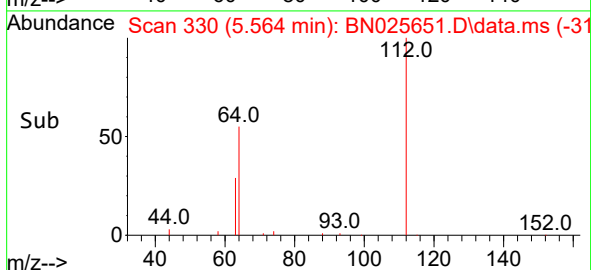
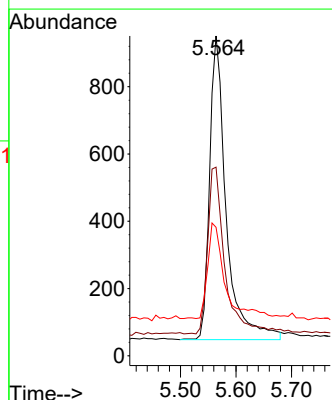
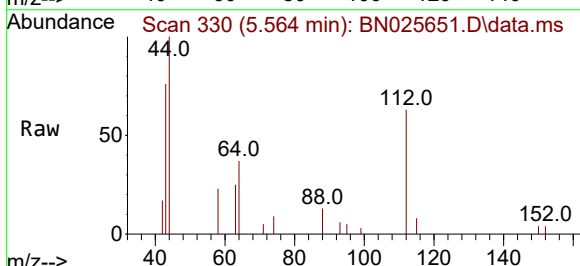


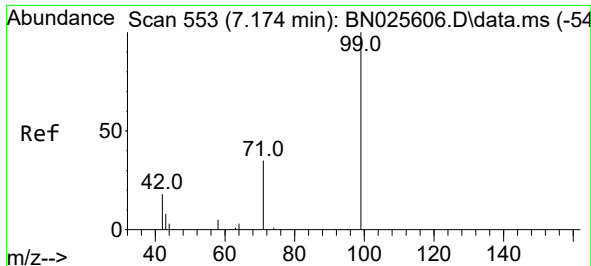
Tgt Ion:152 Resp: 5970
Ion Ratio Lower Upper
152 100
150 157.3 121.0 181.6
115 63.3 48.5 72.7



#4
2-Fluorophenol
Concen: 0.123 ng
RT: 5.564 min Scan# 330
Delta R.T. 0.007 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Tgt Ion:112 Resp: 1879
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 32.9 26.2 39.2

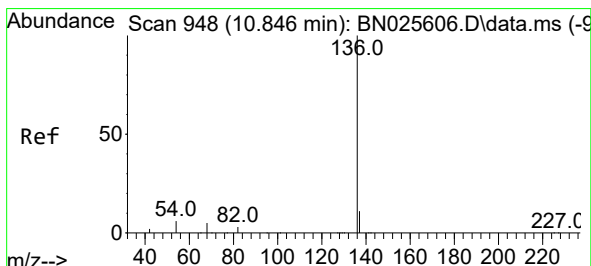
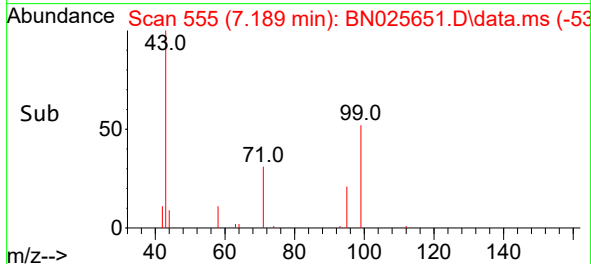
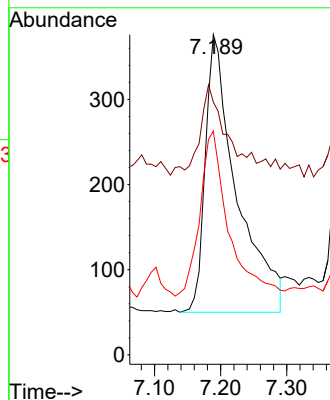
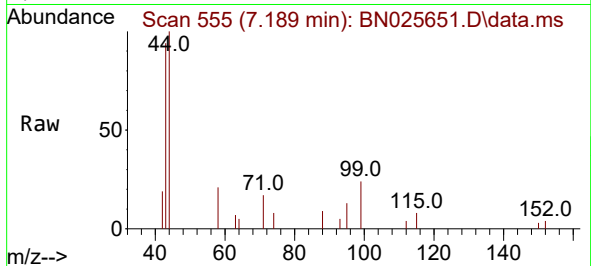




#5
Phenol-d6
Concen: 0.059 ng
RT: 7.189 min Scan# 511
Delta R.T. 0.014 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

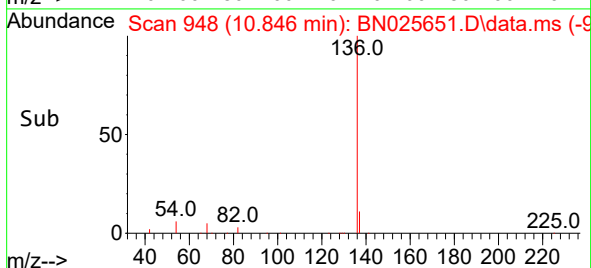
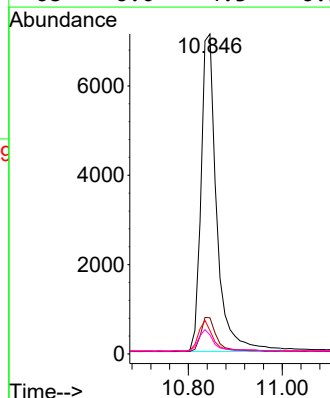
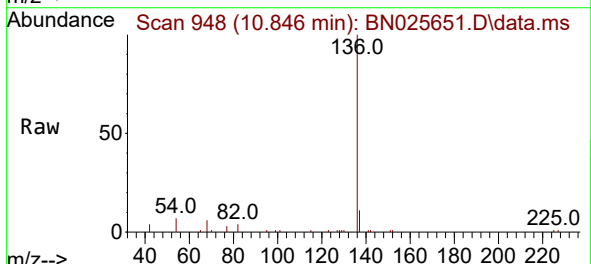
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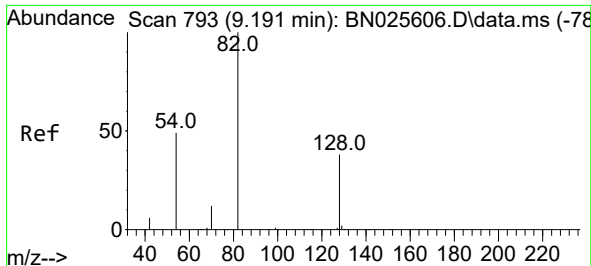
Tgt Ion: 99 Resp: 1074
Ion Ratio Lower Upper
99 100
42 28.4 17.1 25.7#
71 54.1 29.3 43.9#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.846 min Scan# 948
Delta R.T. 0.011 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Tgt Ion:136 Resp: 16474
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.3 5.4 8.0
68 6.0 4.3 6.5

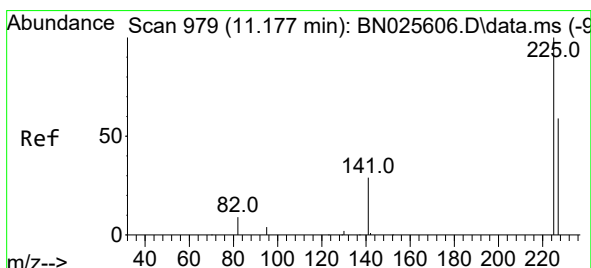
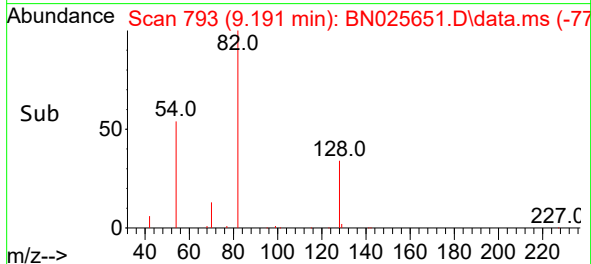
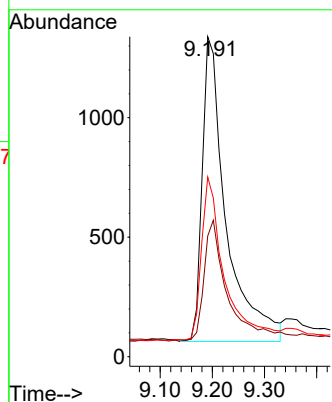
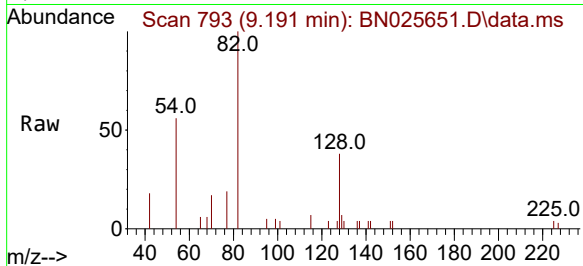




#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 9.191 min Scan# 793
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

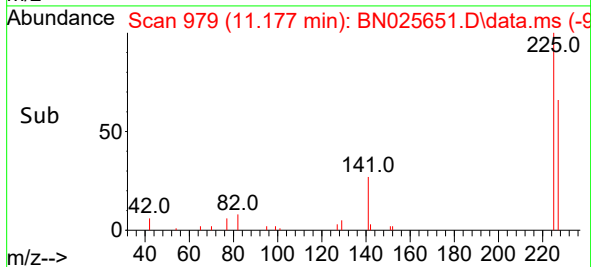
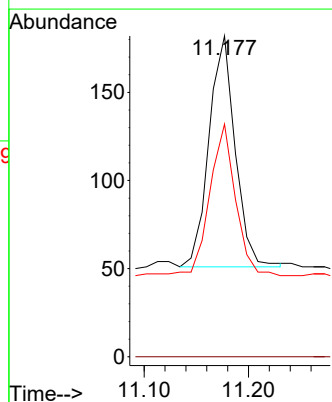
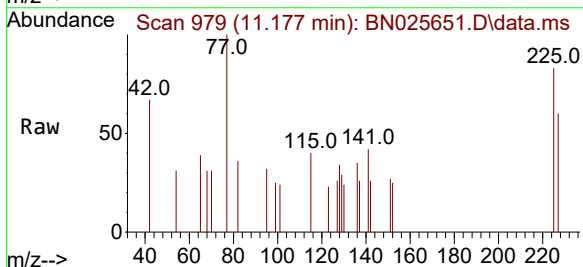
Instrument :
BNA_N
ClientSampleId :
EB01-20230519

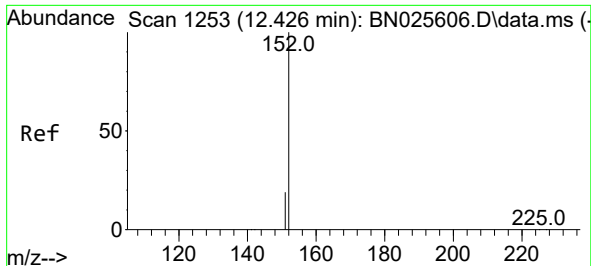
Tgt Ion: 82 Resp: 4049
Ion Ratio Lower Upper
82 100
128 37.7 32.5 48.7
54 56.2 40.6 60.8



#10
Hexachlorobutadiene
Concen: 0.029 ng
RT: 11.177 min Scan# 979
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Tgt Ion: 225 Resp: 228
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.5 48.4 72.6

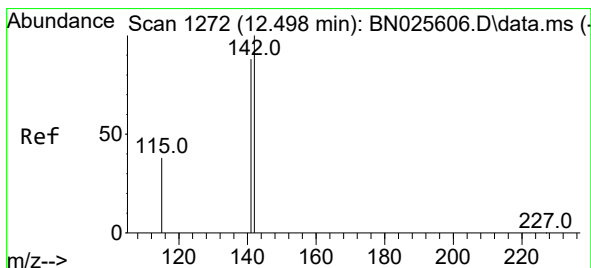
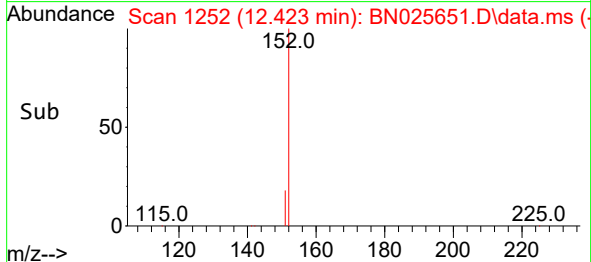
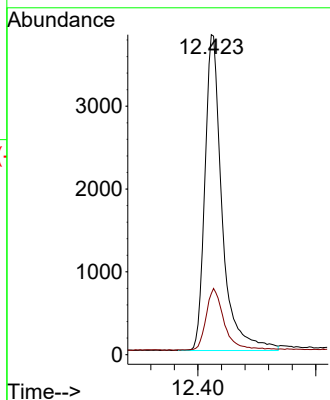
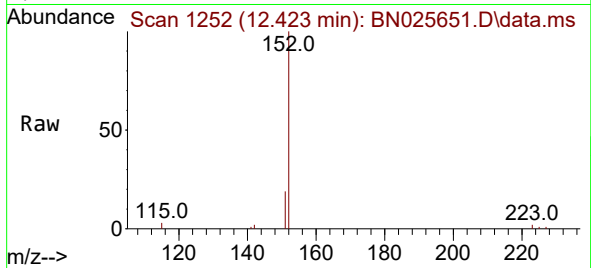




#11
2-Methylnaphthalene-d10
Concen: 0.327 ng
RT: 12.423 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

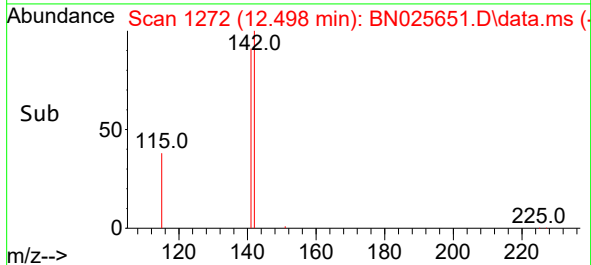
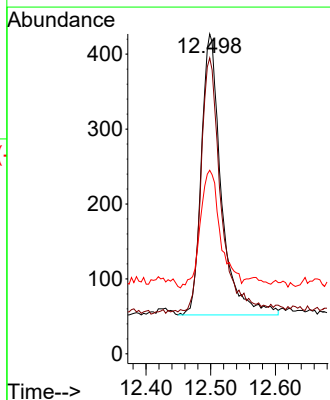
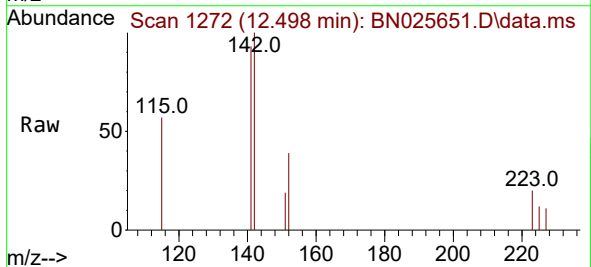
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EB01-20230519

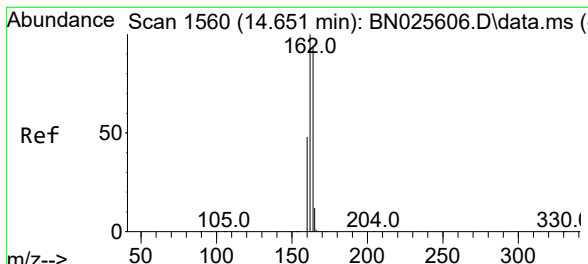
Tgt Ion:152 Resp: 7693
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1



#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 12.498 min Scan# 1272
Delta R.T. 0.004 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Tgt Ion:142 Resp: 802
Ion Ratio Lower Upper
142 100
141 92.5 70.7 106.1
115 57.4 31.5 47.3#

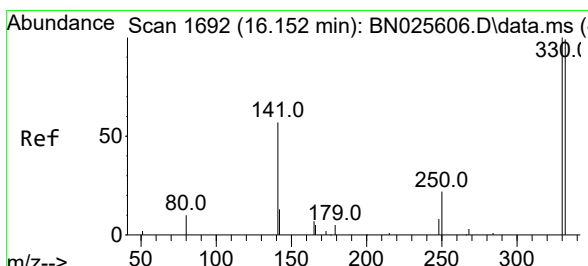
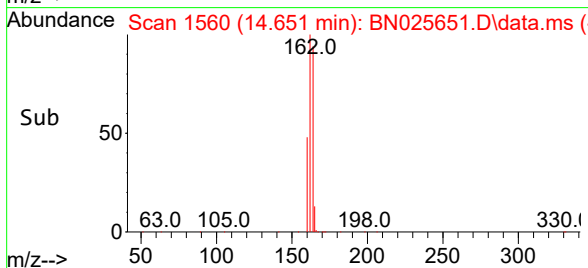
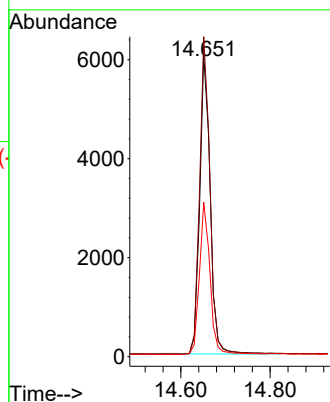
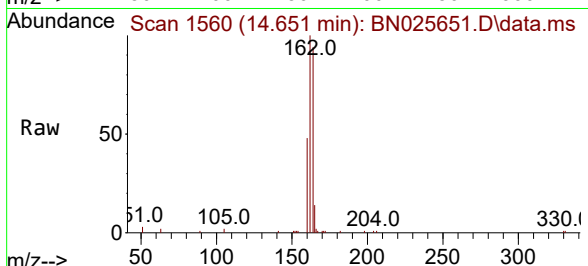




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.651 min Scan# 1560
 Delta R.T. -0.000 min
 Lab File: BN025651.D
 Acq: 27 May 2023 18:48

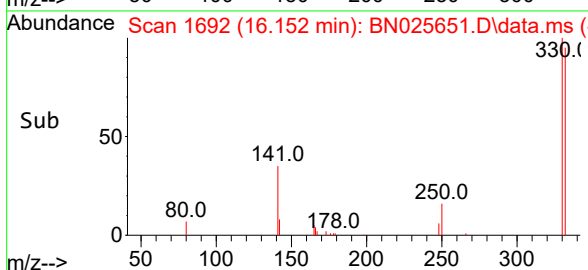
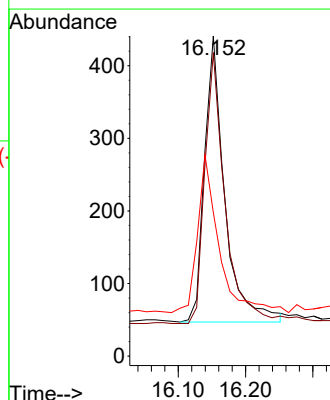
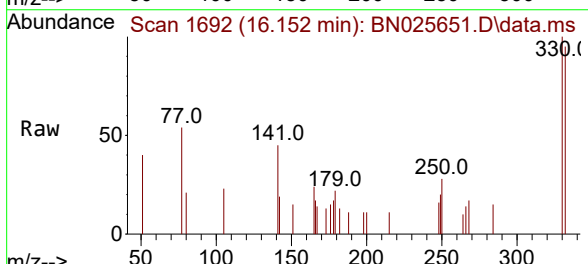
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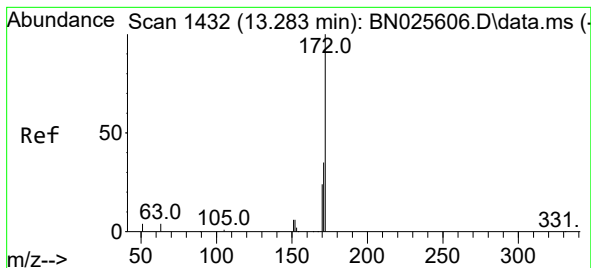
Tgt Ion:164 Resp: 9831
 Ion Ratio Lower Upper
 164 100
 162 106.1 86.4 129.6
 160 51.2 41.9 62.9



#14
 2,4,6-Tribromophenol
 Concen: 0.416 ng
 RT: 16.152 min Scan# 1692
 Delta R.T. -0.000 min
 Lab File: BN025651.D
 Acq: 27 May 2023 18:48

Tgt Ion:330 Resp: 827
 Ion Ratio Lower Upper
 330 100
 332 93.8 80.0 120.0
 141 56.6 45.8 68.6

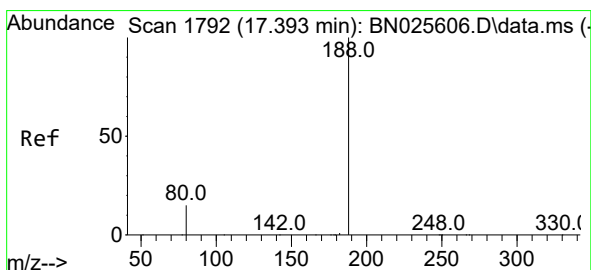
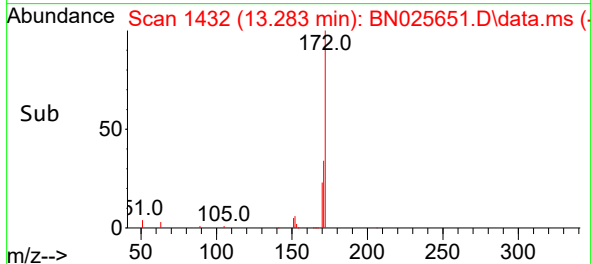
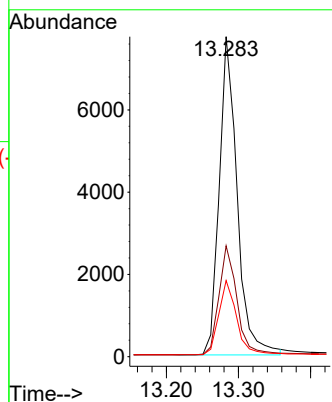
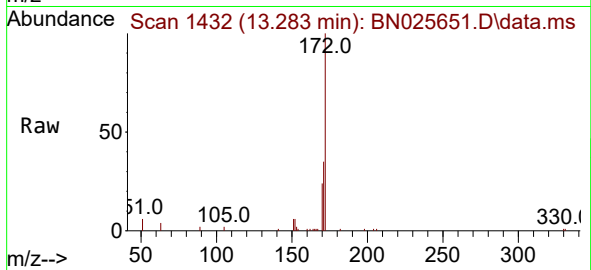




#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 13.283 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

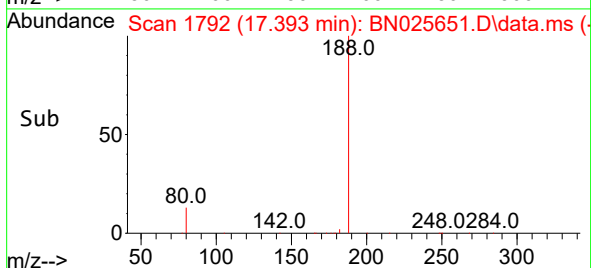
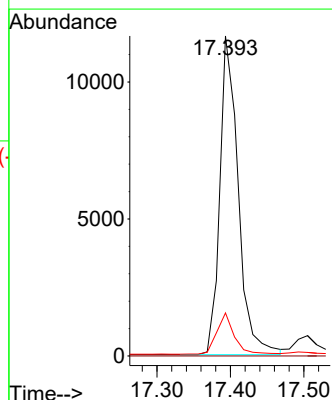
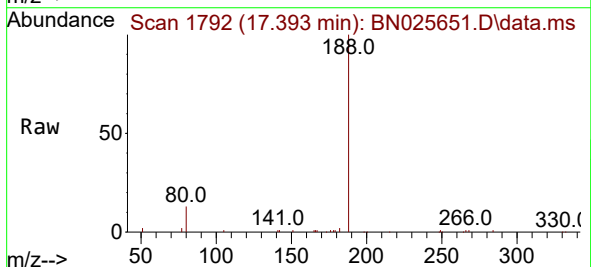
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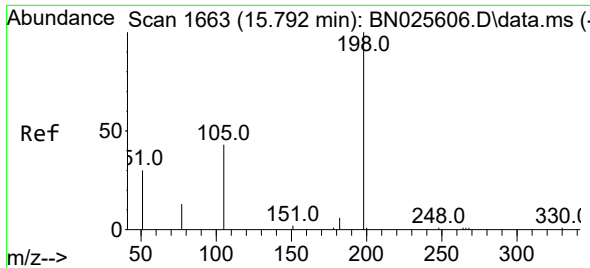
Tgt Ion:172 Resp: 13303
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 23.8 19.7 29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.393 min Scan# 1792
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Tgt Ion:188 Resp: 20241
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.5 12.2 18.2

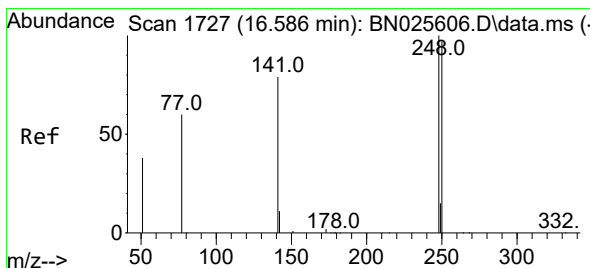
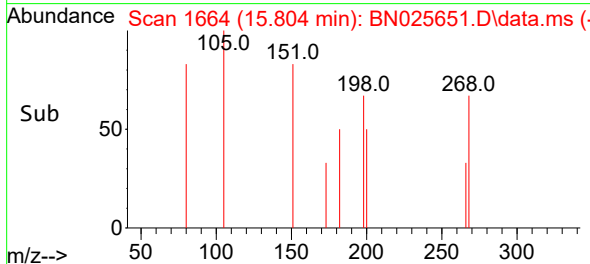
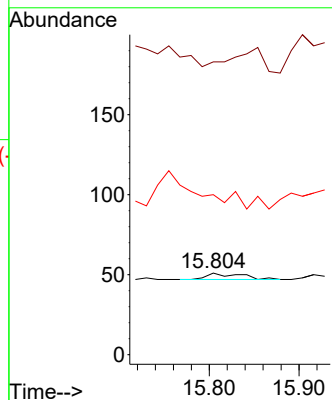
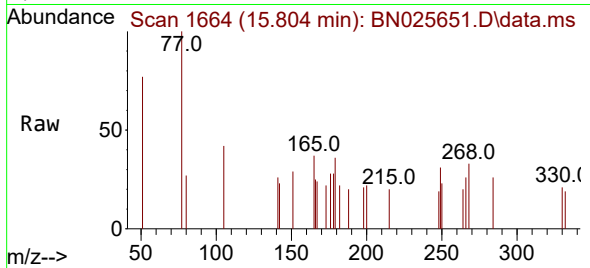




#20
4,6-Dinitro-2-methylphenol
Concen: 0.117 ng
RT: 15.804 min Scan# 1664
Delta R.T. 0.012 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

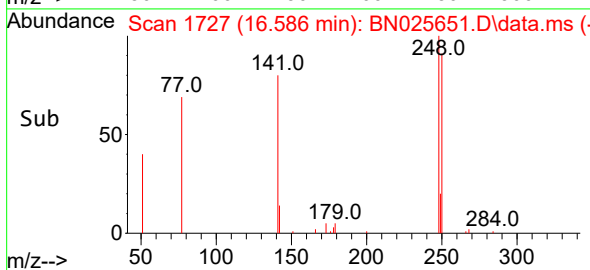
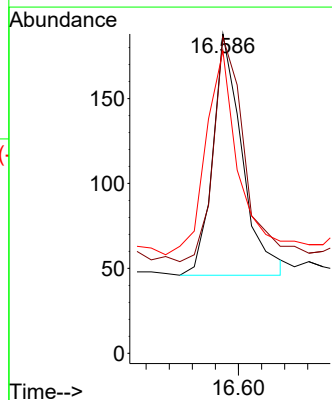
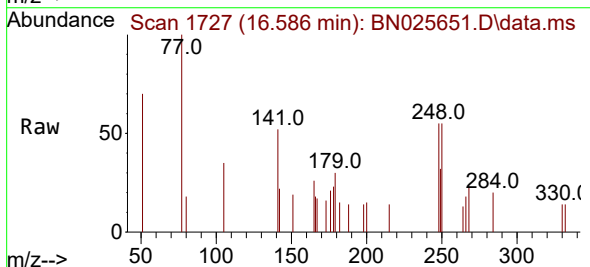
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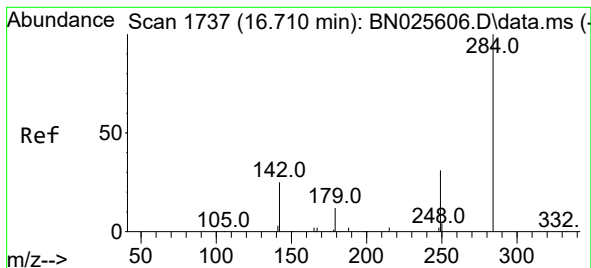
Tgt Ion:198 Resp: 10
Ion Ratio Lower Upper
198 100
51 358.8 110.8 166.2#
105 196.1 61.9 92.9#



#21
4-Bromophenyl-phenylether
Concen: 0.022 ng
RT: 16.586 min Scan# 1727
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Tgt Ion:248 Resp: 250
Ion Ratio Lower Upper
248 100
250 98.9 77.5 116.3
141 94.7 64.0 96.0





#22

Hexachlorobenzene

Concen: 0.026 ng

RT: 16.711 min Scan# 1

Delta R.T. 0.012 min

Lab File: BN025651.D

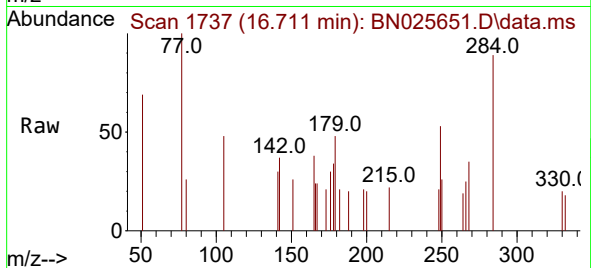
Acq: 27 May 2023 18:48

Instrument :

BNA_N

ClientSampleId :

EB01-20230519



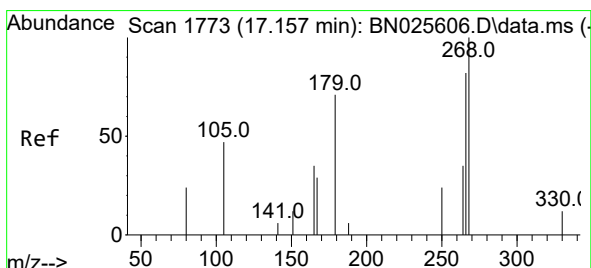
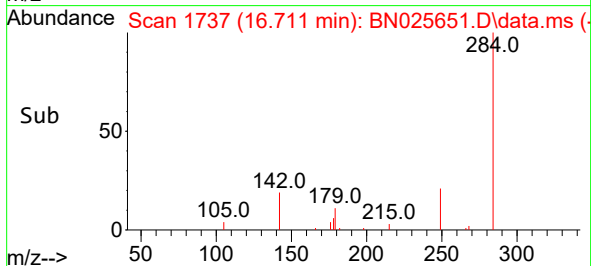
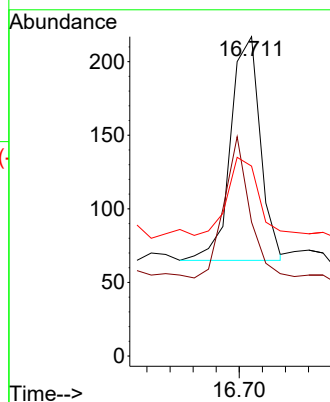
Tgt Ion:284 Resp: 271

Ion Ratio Lower Upper

284 100

142 55.4 42.0 63.0

249 35.1 28.6 43.0



#24

Pentachlorophenol

Concen: 0.373 ng

RT: 17.058 min Scan# 1765

Delta R.T. -0.012 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

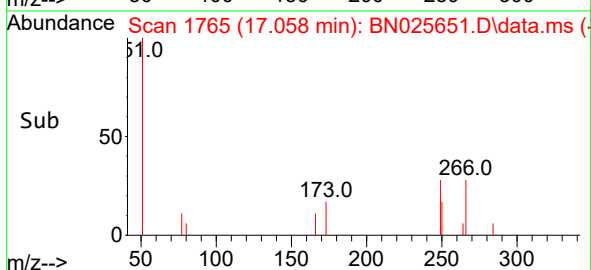
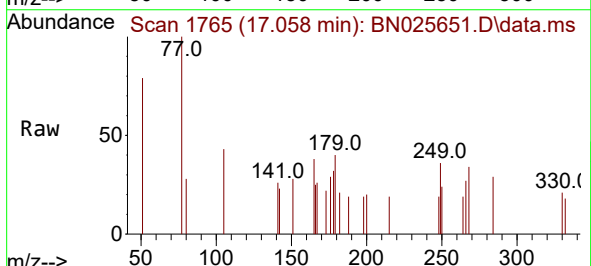
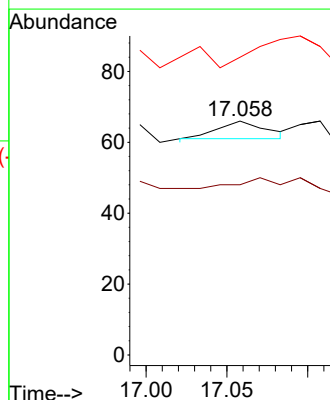
Tgt Ion:266 Resp: 10

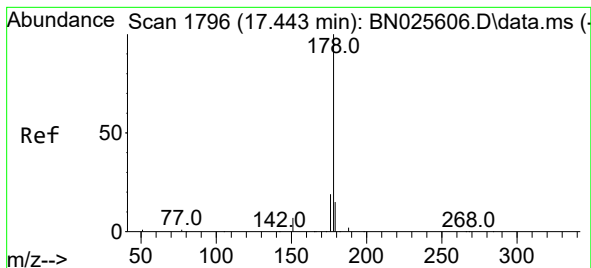
Ion Ratio Lower Upper

266 100

264 70.0 60.0 90.0

268 0.0 0.0 0.0





#25

Phenanthrene

Concen: 0.030 ng

RT: 17.443 min Scan# 11

Delta R.T. 0.012 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

Instrument :

BNA_N

ClientSampleId :

EB01-20230519

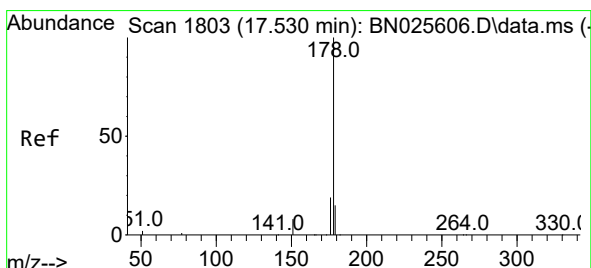
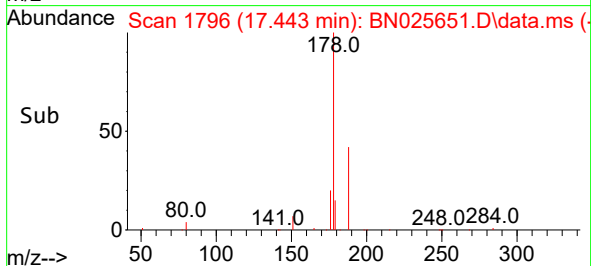
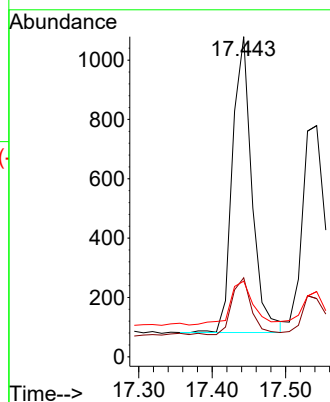
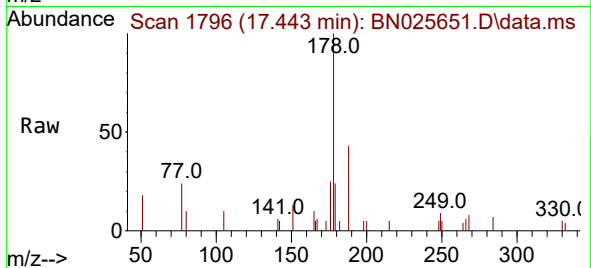
Tgt Ion:178 Resp: 1836

Ion Ratio Lower Upper

178 100

176 19.8 15.4 23.2

179 18.0 12.6 19.0



#26

Anthracene

Concen: 0.028 ng

RT: 17.542 min Scan# 1804

Delta R.T. 0.012 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

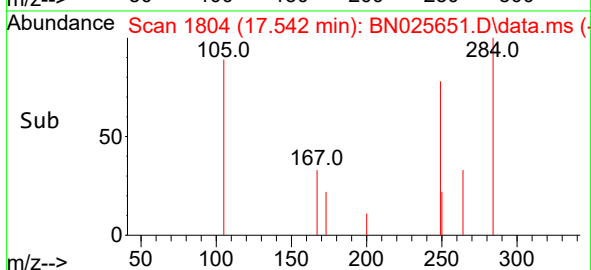
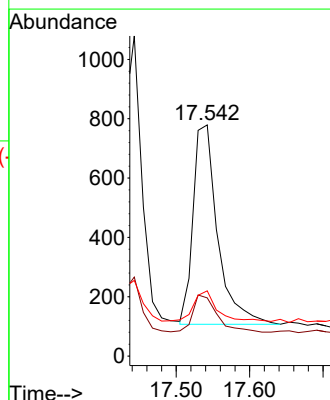
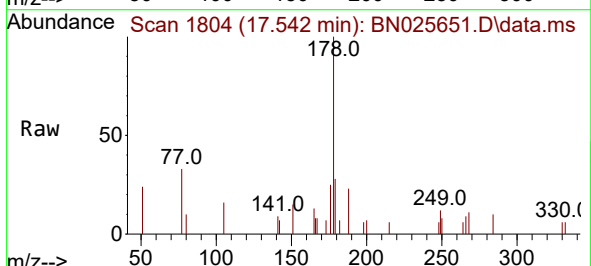
Tgt Ion:178 Resp: 1565

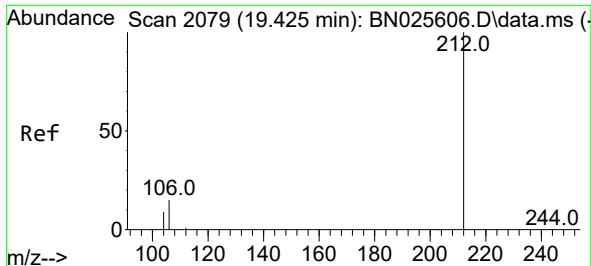
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 14.2 12.2 18.2

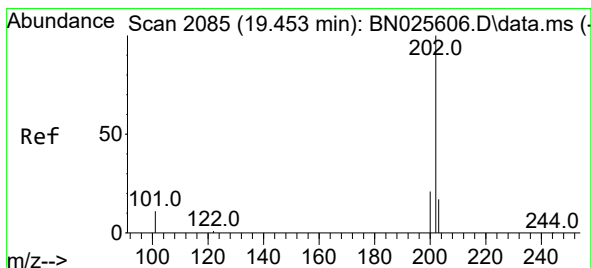
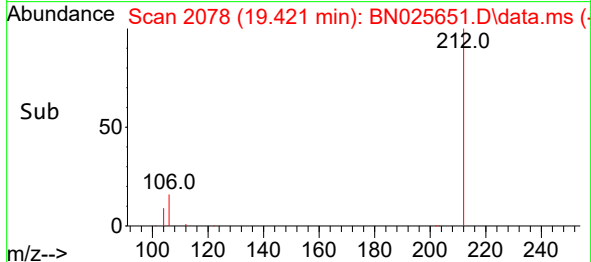
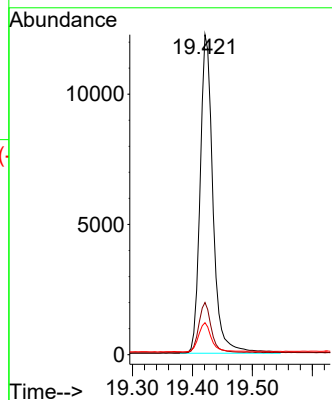
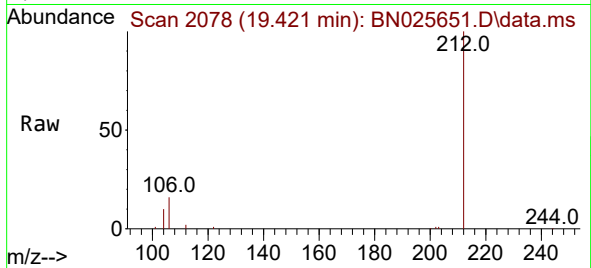




#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.421 min Scan# 2079
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

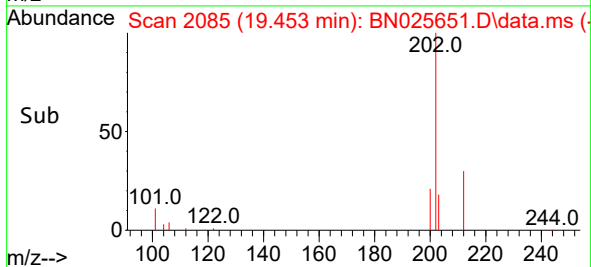
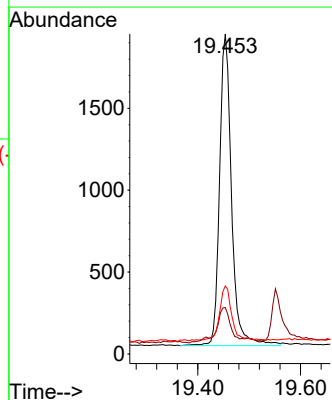
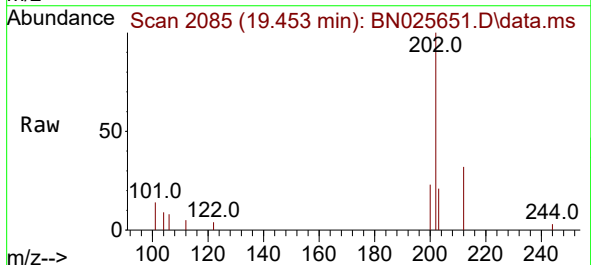
Instrument :
BNA_N
ClientSampleId :
EB01-20230519

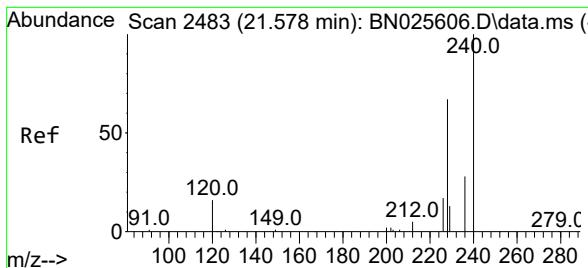
Tgt Ion:212 Resp: 18309
Ion Ratio Lower Upper
212 100
106 15.6 12.3 18.5
104 9.2 7.2 10.8



#28
Fluoranthene
Concen: 0.046 ng
RT: 19.453 min Scan# 2085
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Tgt Ion:202 Resp: 3084
Ion Ratio Lower Upper
202 100
101 10.1 9.2 13.8
203 18.5 13.3 19.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.578 min Scan# 2483

Delta R.T. -0.000 min

Lab File: BN025651.D

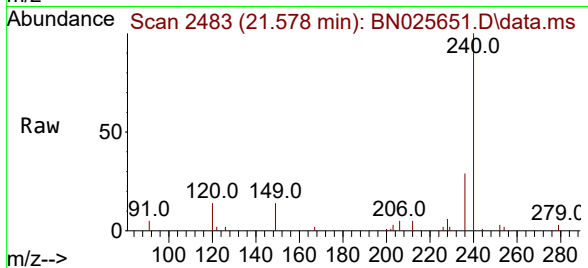
Acq: 27 May 2023 18:48

Instrument :

BNA_N

ClientSampleId :

EB01-20230519



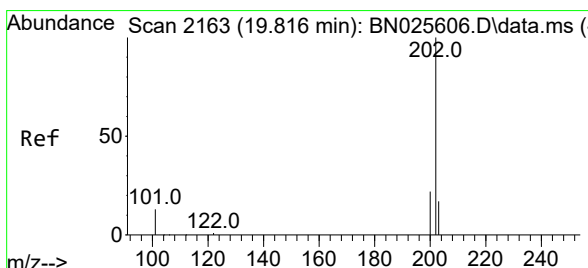
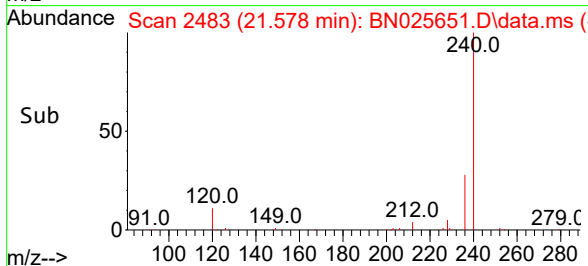
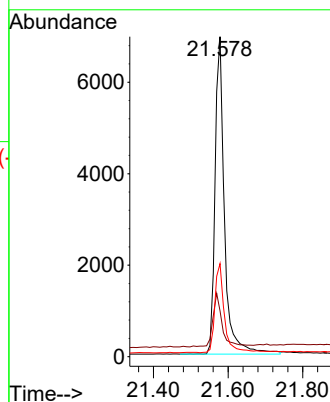
Tgt Ion:240 Resp: 12149

Ion Ratio Lower Upper

240 100

120 14.3 15.4 23.0#

236 29.1 23.2 34.8



#30

Pyrene

Concen: 0.045 ng

RT: 19.816 min Scan# 2163

Delta R.T. -0.000 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

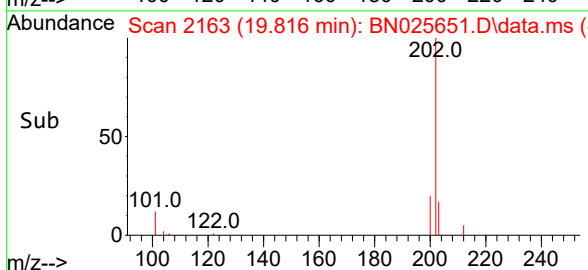
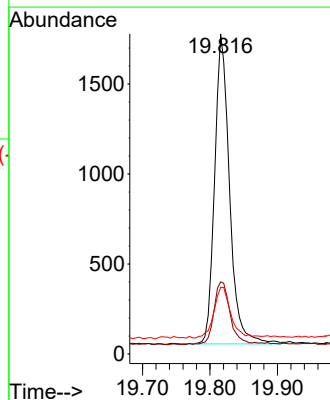
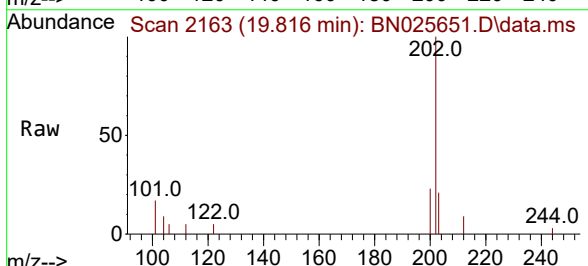
Tgt Ion:202 Resp: 2650

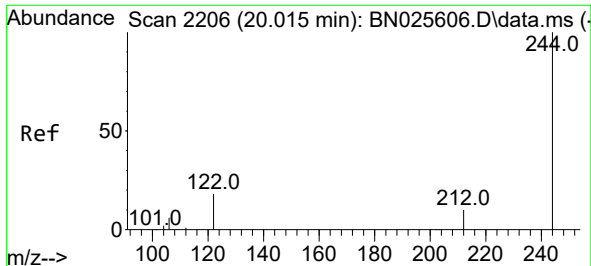
Ion Ratio Lower Upper

202 100

200 22.1 17.1 25.7

203 18.7 14.5 21.7

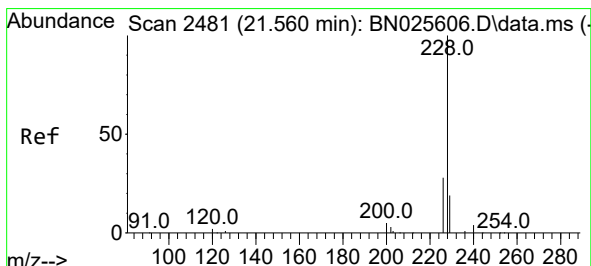
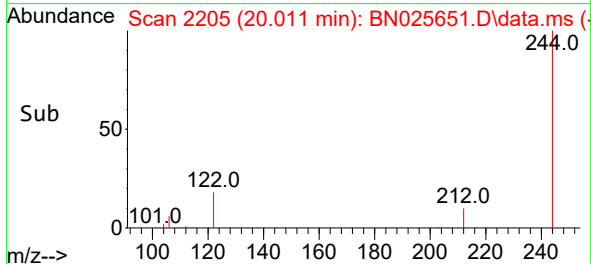
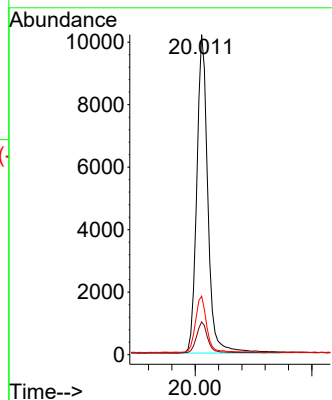
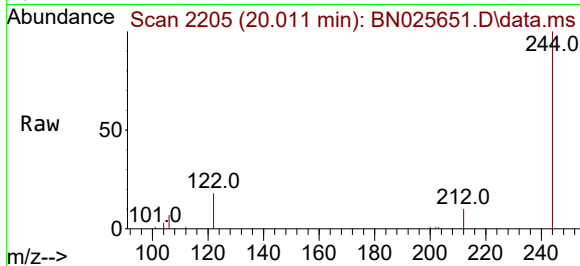




#31
 Terphenyl-d14
 Concen: 0.506 ng
 RT: 20.011 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BN025651.D
 Acq: 27 May 2023 18:48

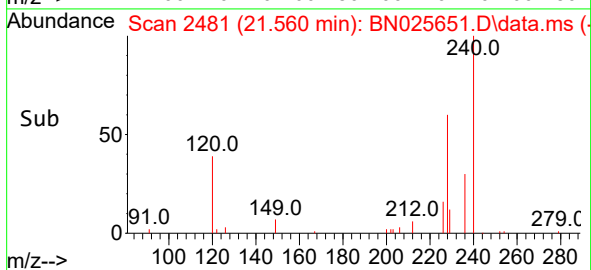
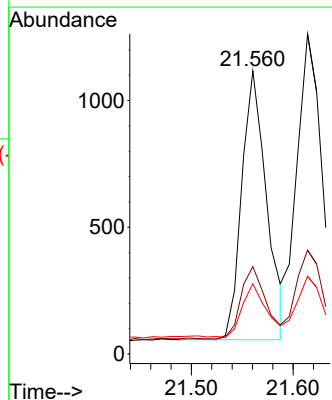
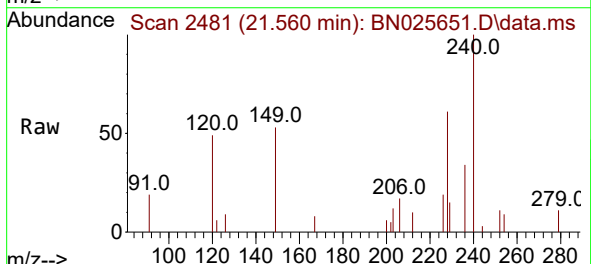
Instrument :
 BNA_N
 ClientSampleId :
 EB01-20230519

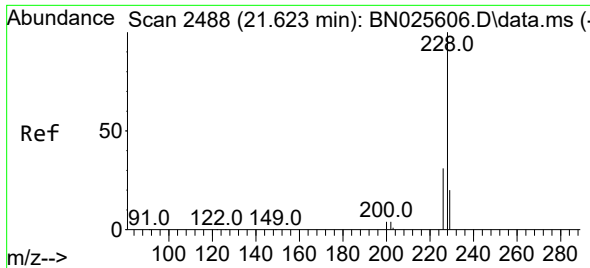
Tgt Ion:244 Resp: 13467
 Ion Ratio Lower Upper
 244 100
 212 10.2 8.5 12.7
 122 18.3 14.9 22.3



#32
 Benzo(a)anthracene
 Concen: 0.040 ng
 RT: 21.560 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: BN025651.D
 Acq: 27 May 2023 18:48

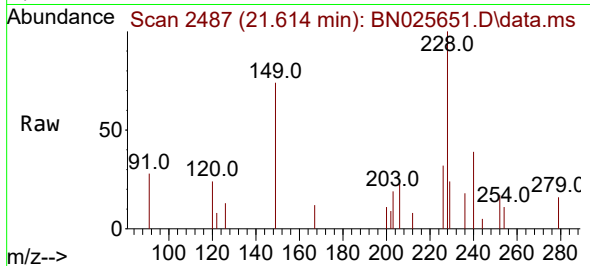
Tgt Ion:228 Resp: 1801
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.9 34.3
 229 24.8 15.9 23.9#



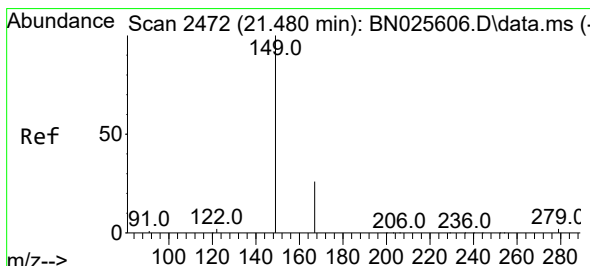
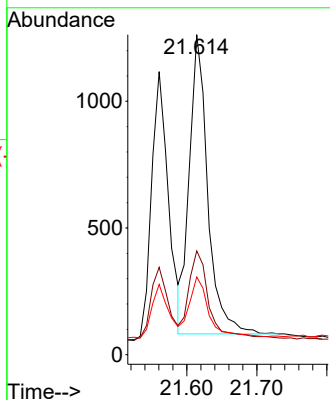
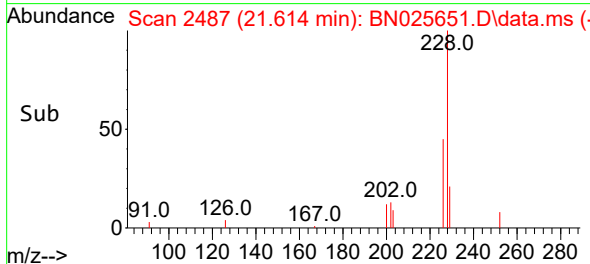


#33
Chrysene
Concen: 0.044 ng
RT: 21.614 min Scan# 2487
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

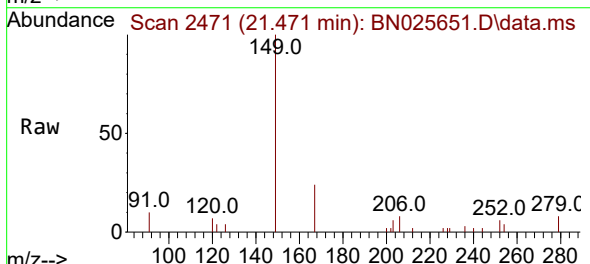
Instrument :
BNA_N
ClientSampleId :
EB01-20230519



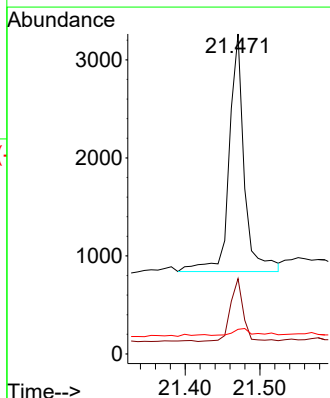
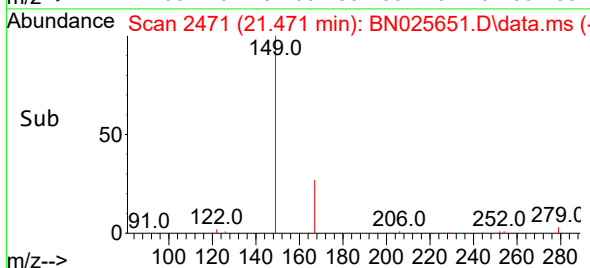
Tgt Ion:228 Resp: 2163
Ion Ratio Lower Upper
228 100
226 32.5 24.5 36.7
229 24.3 16.2 24.4

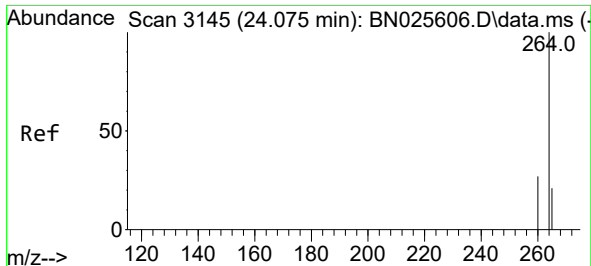


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.123 ng
RT: 21.471 min Scan# 2471
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48



Tgt Ion:149 Resp: 3390
Ion Ratio Lower Upper
149 100
167 22.8 20.4 30.6
279 4.1 3.3 4.9





#35
Perylene-d12

Concen: 0.400 ng

RT: 24.060 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN025651.D

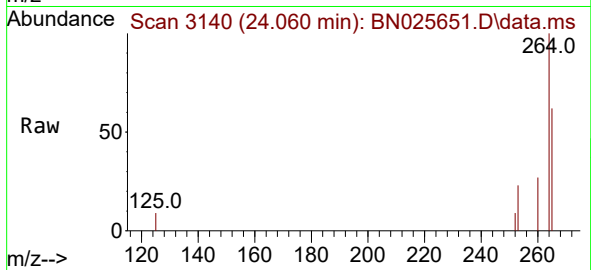
Acq: 27 May 2023 18:48

Instrument :

BNA_N

ClientSampleId :

EB01-20230519



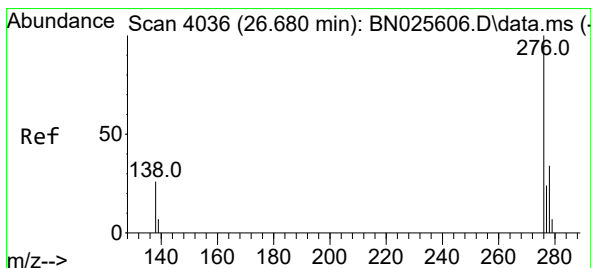
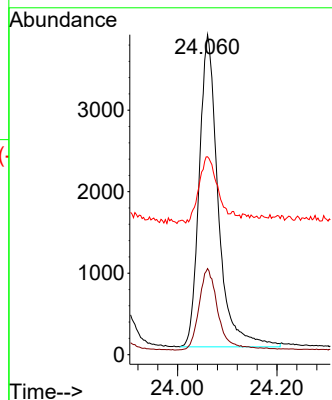
Tgt Ion:264 Resp: 10140

Ion Ratio Lower Upper

264 100

260 26.9 22.3 33.5

265 61.9 54.3 81.5



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.038 ng

RT: 26.668 min Scan# 4032

Delta R.T. -0.012 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

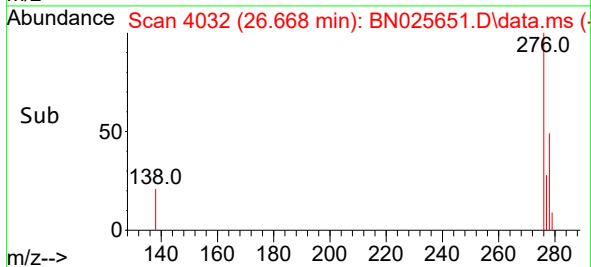
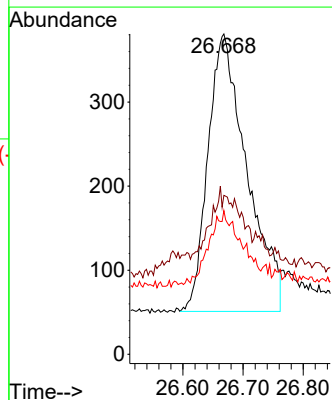
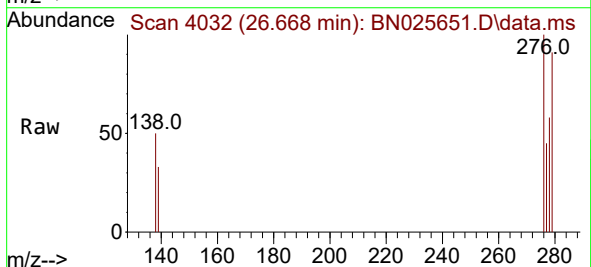
Tgt Ion:276 Resp: 1484

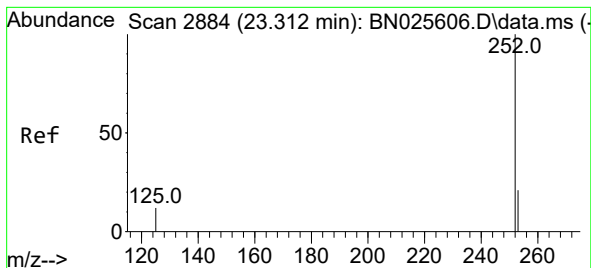
Ion Ratio Lower Upper

276 100

138 7.8 10.5 15.7#

277 7.9 9.2 13.8#





#37

Benzo(b)fluoranthene

Concen: 0.048 ng

RT: 23.303 min Scan# 2881

Delta R.T. -0.000 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

Instrument :

BNA_N

ClientSampleId :

EB01-20230519

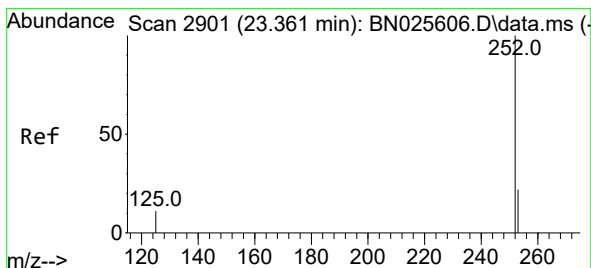
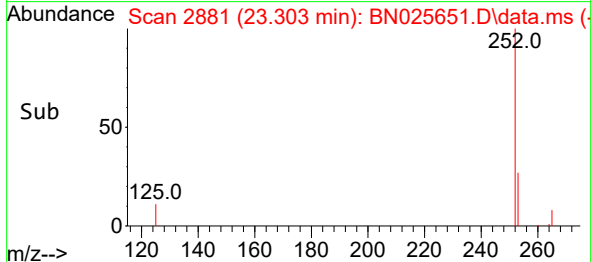
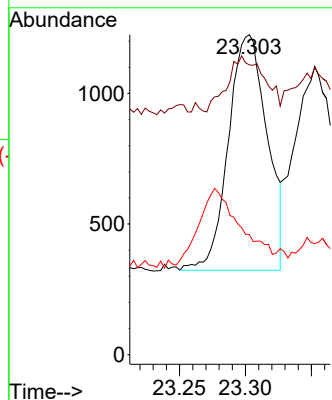
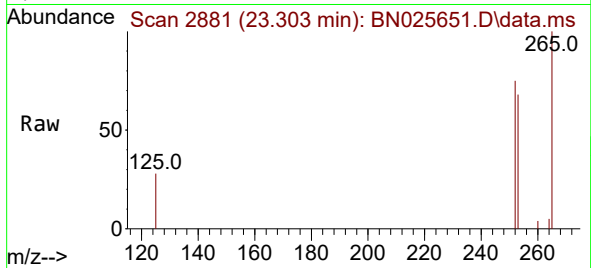
Tgt Ion:252 Resp: 1844

Ion Ratio Lower Upper

252 100

253 90.5 26.2 39.4#

125 37.6 12.9 19.3#



#38

Benzo(k)fluoranthene

Concen: 0.038 ng

RT: 23.353 min Scan# 2898

Delta R.T. -0.003 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

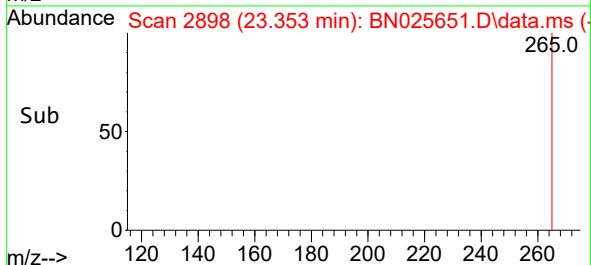
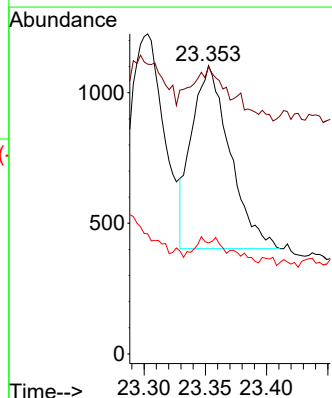
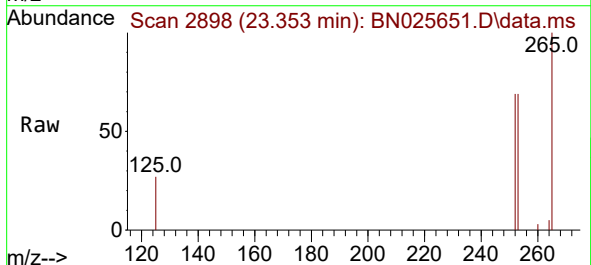
Tgt Ion:252 Resp: 1522

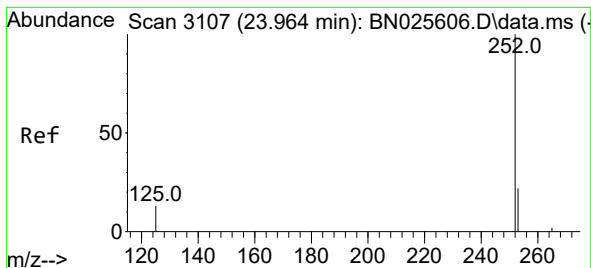
Ion Ratio Lower Upper

252 100

253 99.6 26.1 39.1#

125 38.5 12.5 18.7#





#39

Benzo(a)pyrene

Concen: 0.037 ng

RT: 23.949 min Scan# 3107

Delta R.T. -0.006 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

Instrument :

BNA_N

ClientSampleId :

EB01-20230519

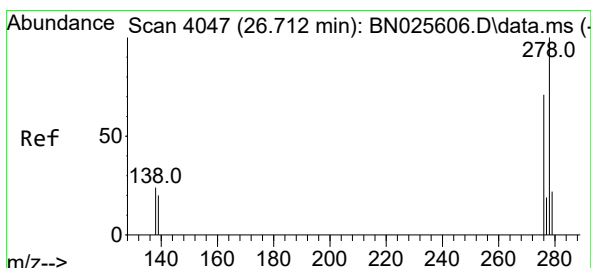
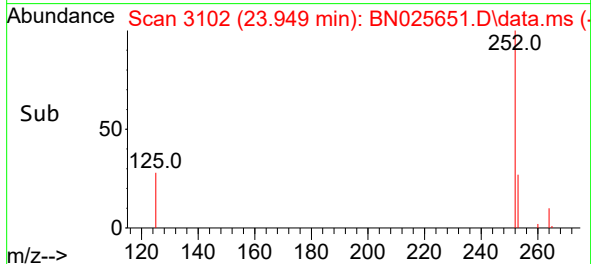
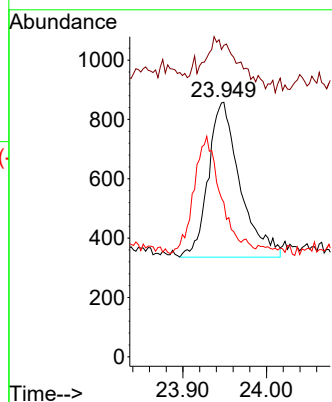
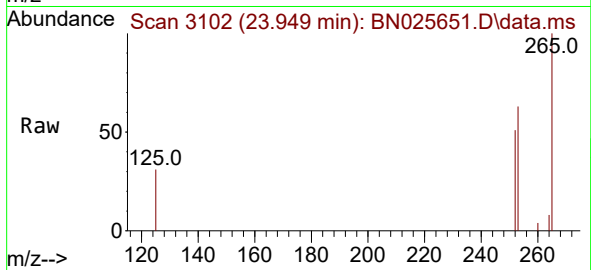
Tgt Ion:252 Resp: 1378

Ion Ratio Lower Upper

252 100

253 122.4 30.2 45.2#

125 60.6 14.8 22.2#



#40

Dibenzo(a,h)anthracene

Concen: 0.035 ng

RT: 26.688 min Scan# 4039

Delta R.T. -0.015 min

Lab File: BN025651.D

Acq: 27 May 2023 18:48

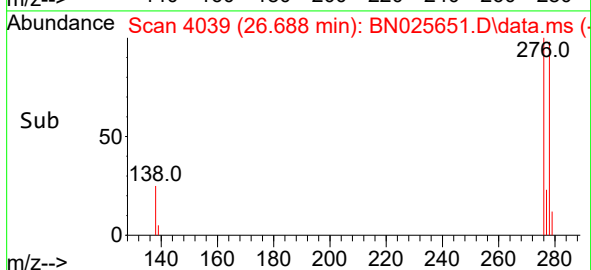
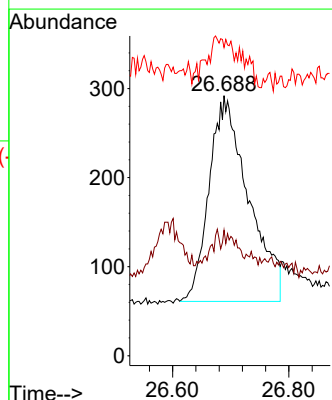
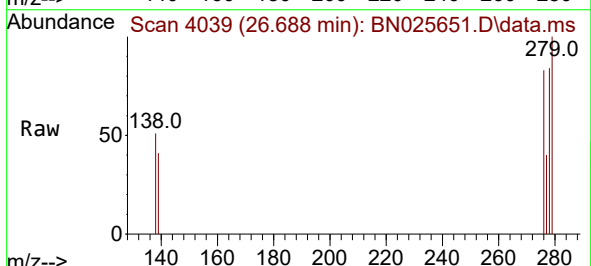
Tgt Ion:278 Resp: 1084

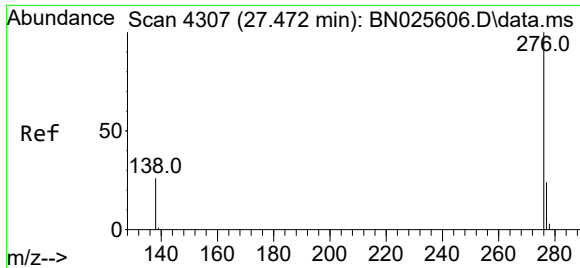
Ion Ratio Lower Upper

278 100

139 48.3 18.6 28.0#

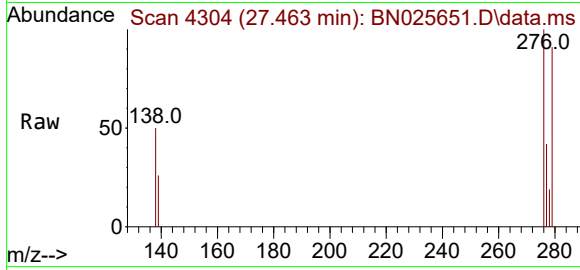
279 118.5 27.8 41.8#





#41
Benzo(g,h,i)perylene
Concen: 0.042 ng
RT: 27.463 min Scan# 41
Delta R.T. -0.006 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Instrument :
BNA_N
ClientSampleId :
EB01-20230519



Tgt Ion:276 Resp: 1463
Ion Ratio Lower Upper
276 100
277 42.4 21.4 32.0#
138 49.7 22.8 34.2#

