

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)

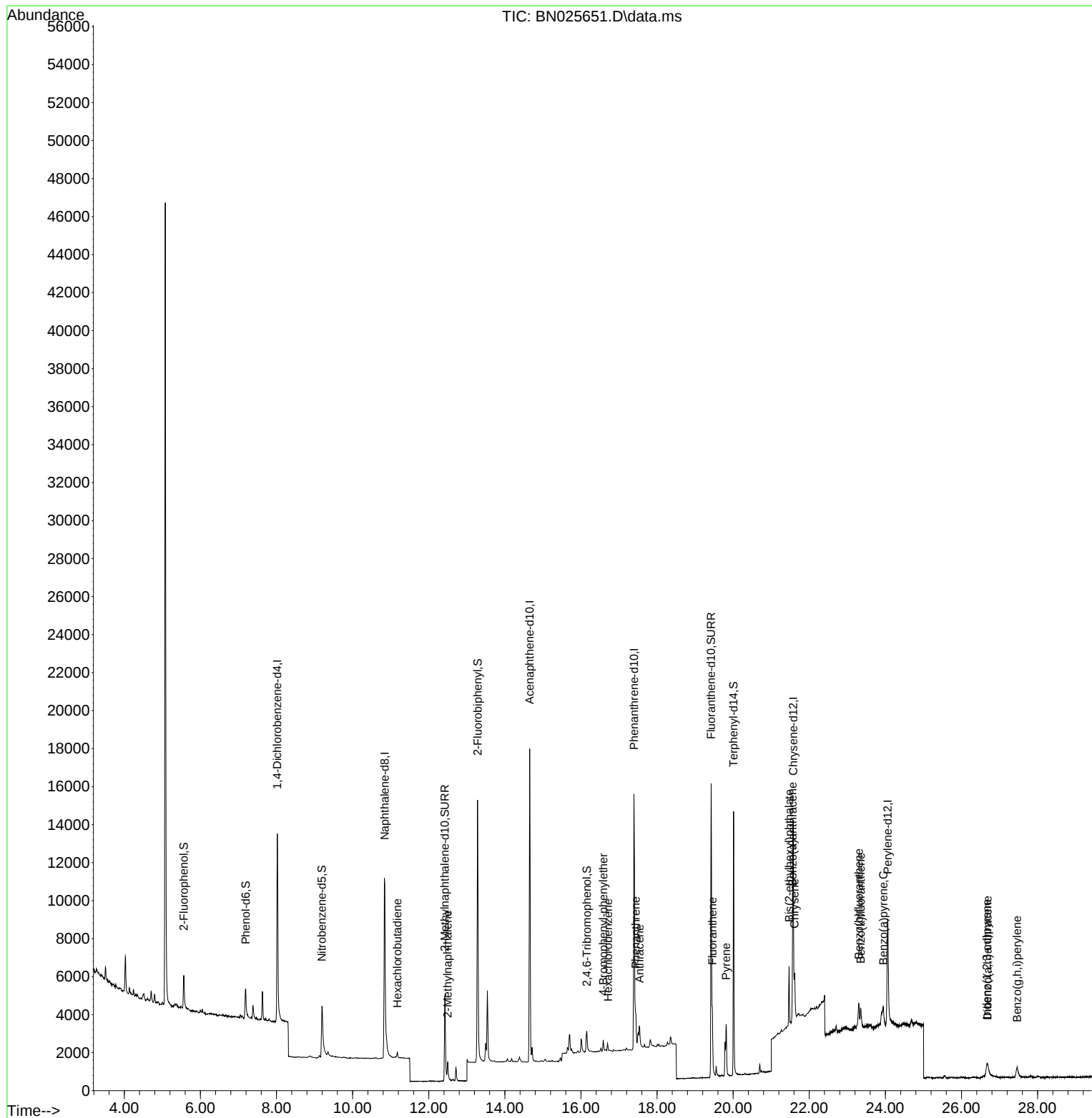
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.019	152	5970	0.400	ng	0.00
7) Naphthalene-d8	10.846	136	16474	0.400	ng	0.01
13) Acenaphthene-d10	14.651	164	9831	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	20241	0.400	ng	0.00
29) Chrysene-d12	21.578	240	12149	0.400	ng	# 0.00
35) Perylene-d12	24.060	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						
						Qvalue
10) Hexachlorobutadiene	11.177	225	228	0.029	ng	# 95
12) 2-Methylnaphthalene	12.498	142	802	0.026	ng	# 88
21) 4-Bromophenyl-phenylether	16.586	248	250	0.022	ng	91
22) Hexachlorobenzene	16.711	284	271	0.026	ng	97
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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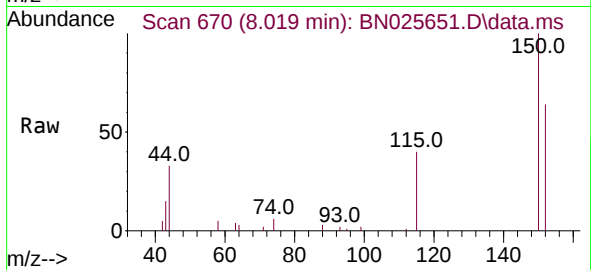
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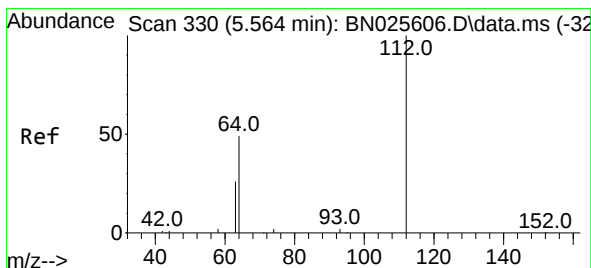
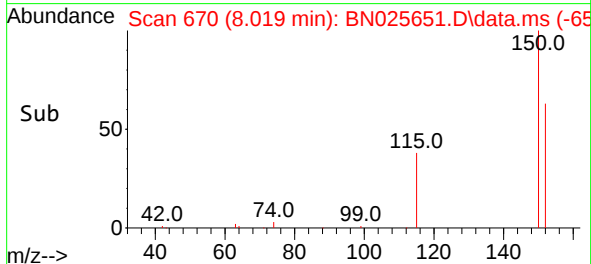
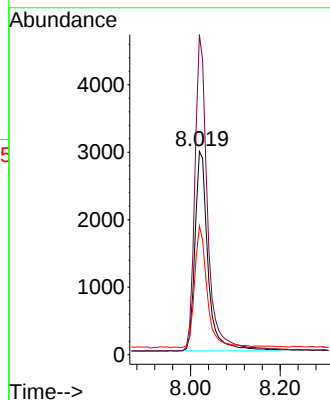


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.019 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

Instrument :
BNA_N
ClientSampleId :
EB01-20230519

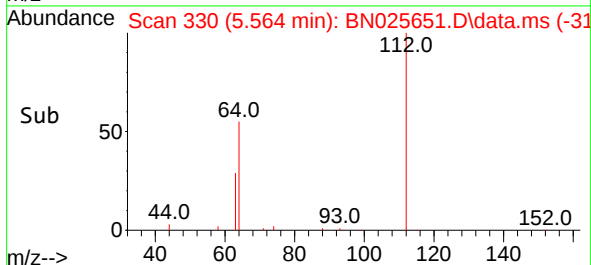
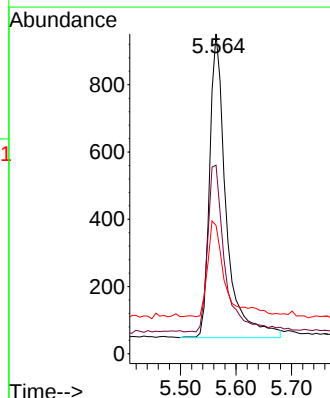
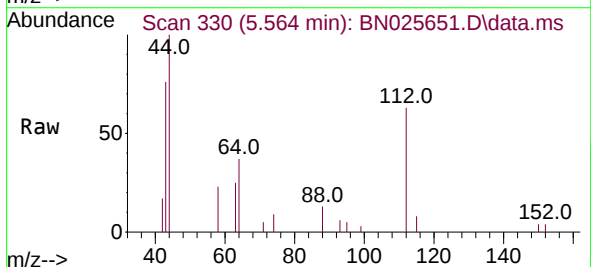


Tgt Ion:152 Resp: 5970
Ion Ratio Lower Upper
152 100
150 157.3 121.0 181.6
115 63.3 48.5 72.7



#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

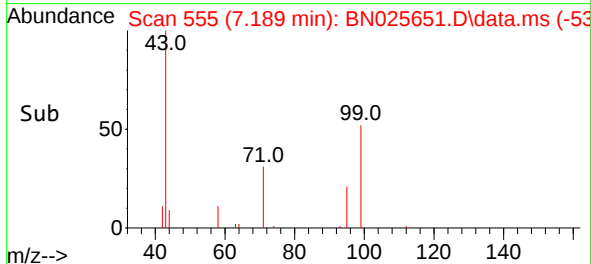
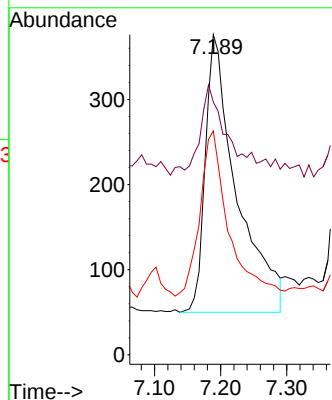
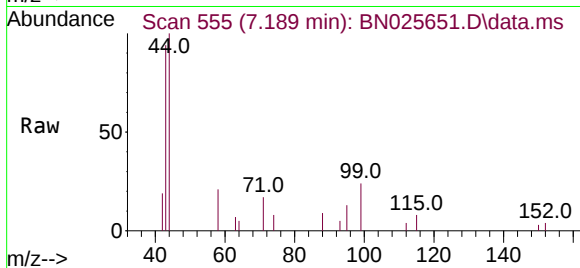




#5
Phenol-d6
Concen: 0.059 ng
RT: 7.189 min Scan# 511
Delta R.T. 0.014 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

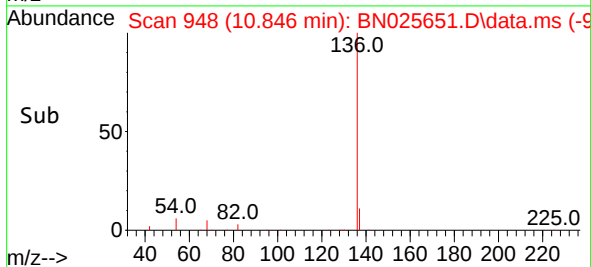
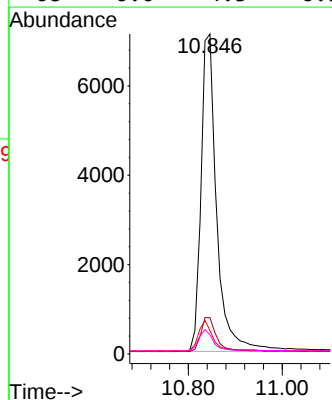
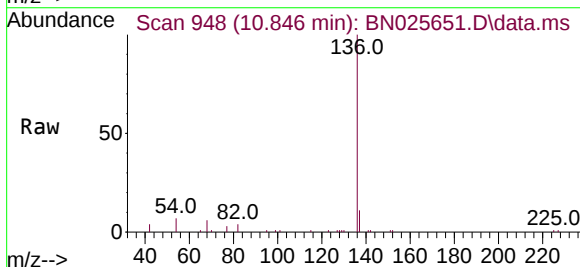
Instrument :
BNA_N
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Tgt Ion: 99 Resp: 1074
Ion Ratio Lower Upper
99 100
42 28.4 17.1 25.7#
71 54.1 29.3 43.9#



#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

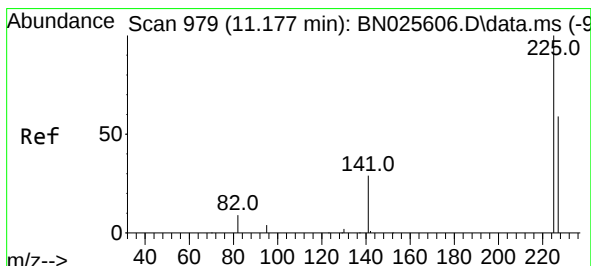
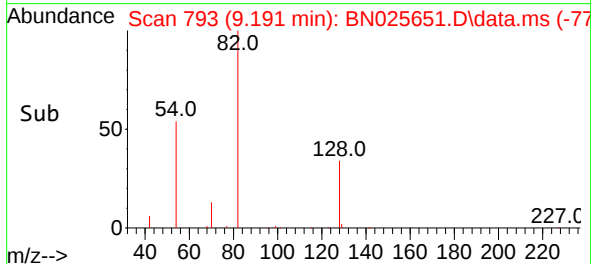
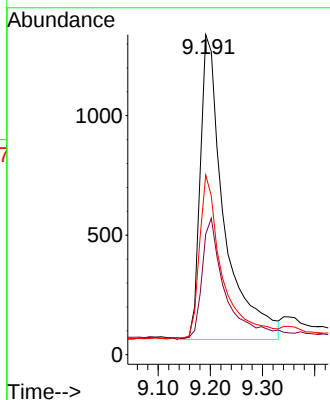
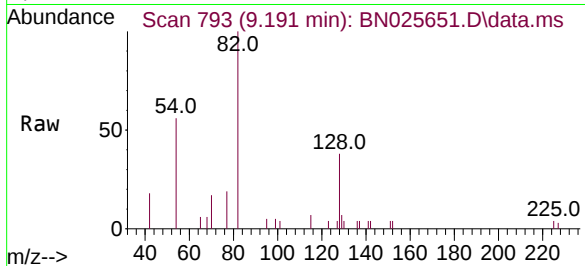




#8
 Nitrobenzene-d5
 Concen: 0.294 ng
 RT: 9.191 min Scan# 793
 Delta R.T. -0.000 min
 Lab File: BN025651.D
 Acq: 27 May 2023 18:48

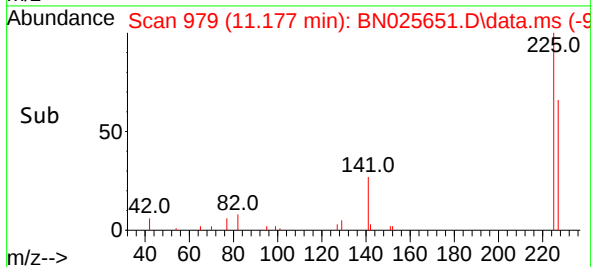
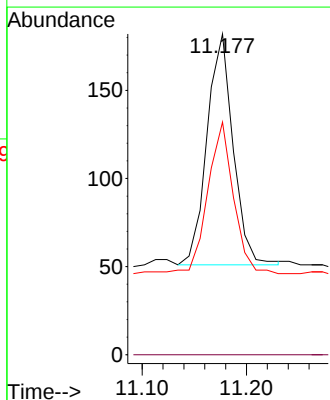
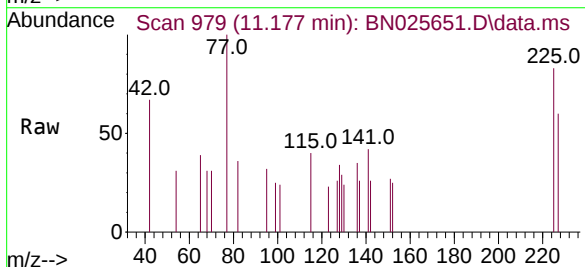
Instrument :
 BNA_N
 ClientSampleId :
 EB01-20230519

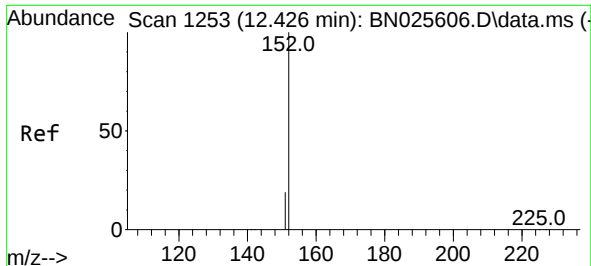
Tgt Ion:	82	Resp:	4049
Ion	Ratio	Lower	Upper
82	100		
128	37.7	32.5	48.7
54	56.2	40.6	60.8



#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

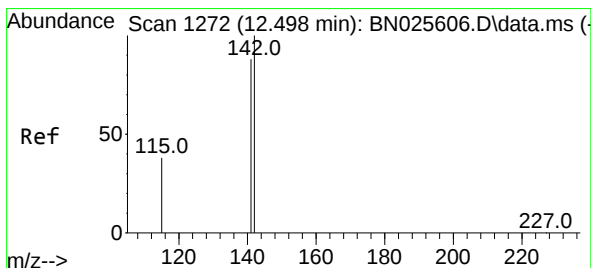
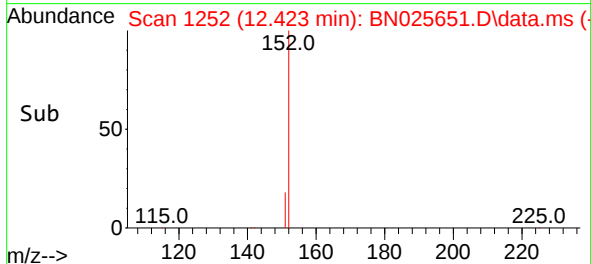
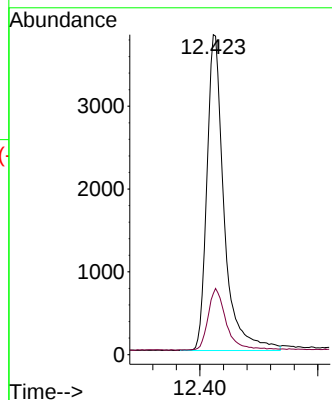
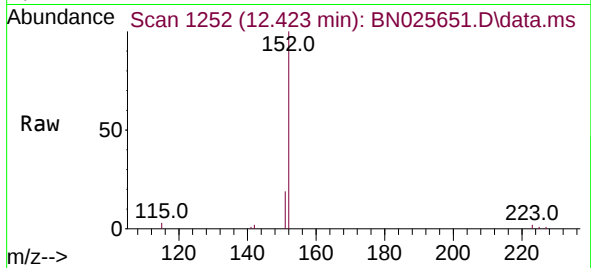




#11
2-Methylnaphthalene-d10
Concen: 0.327 ng
RT: 12.423 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

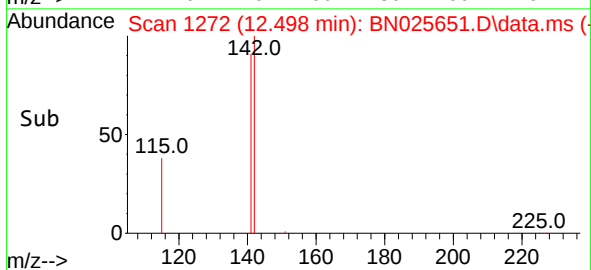
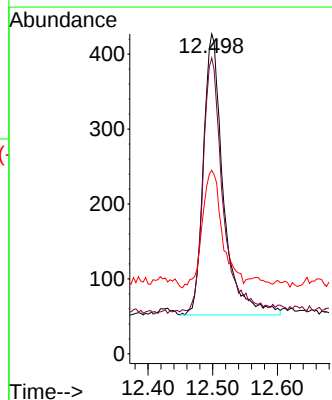
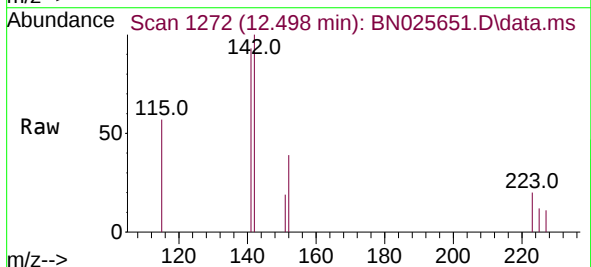
Instrument :
BNA_N
ClientSampleId :
EB01-20230519

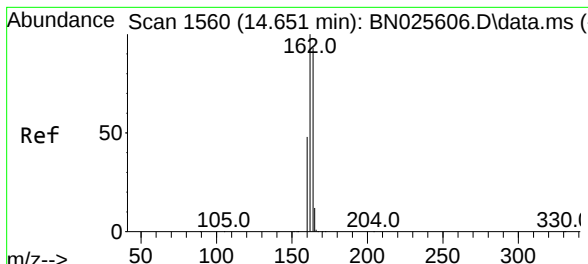
Tgt Ion:152 Resp: 7693
Ion Ratio Lower Upper
152 100
151 20.7 16.1 24.1



#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#

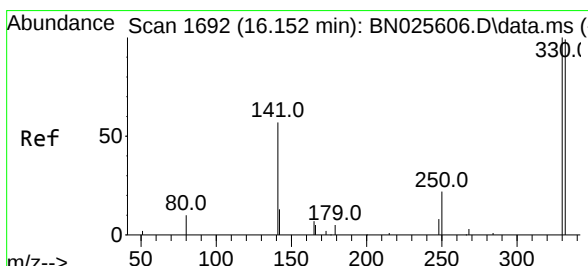
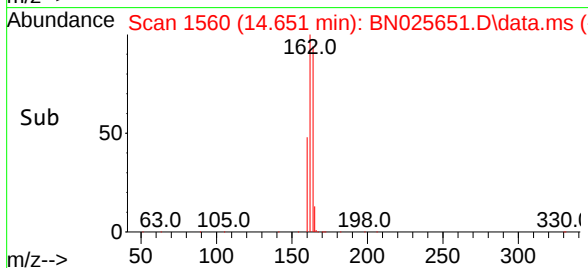
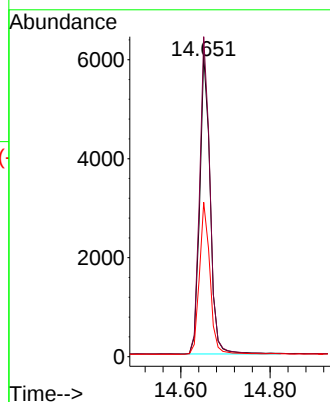
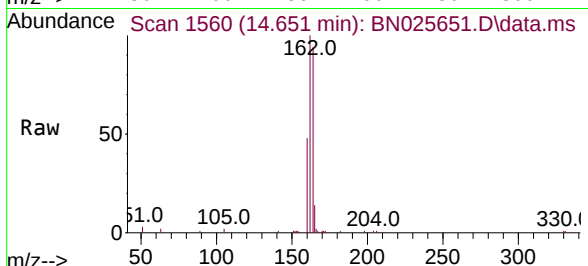




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.651 min Scan# 1560
 Delta R.T. -0.000 min
 Lab File: BN025651.D
 Acq: 27 May 2023 18:48

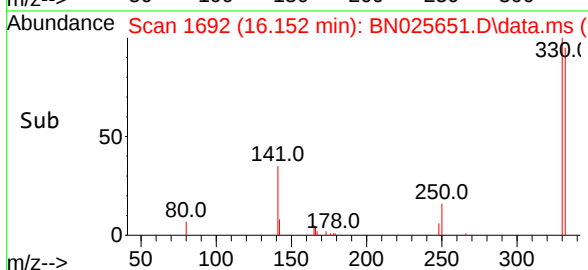
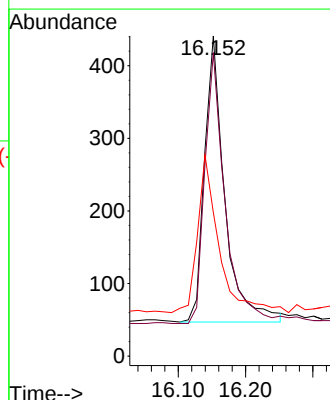
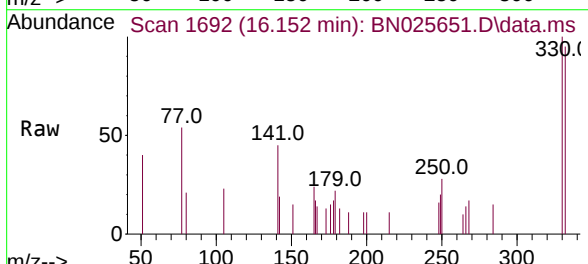
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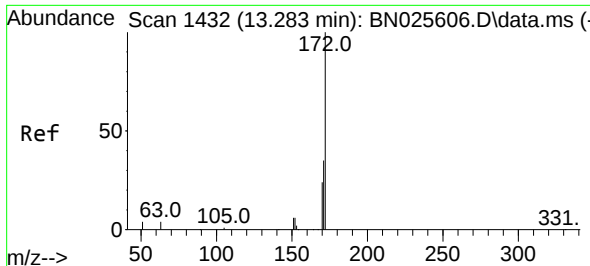
Tgt Ion:	164	Resp:	9831
Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.4	129.6
160	51.2	41.9	62.9



#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

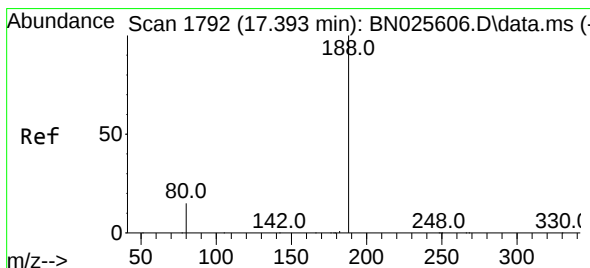
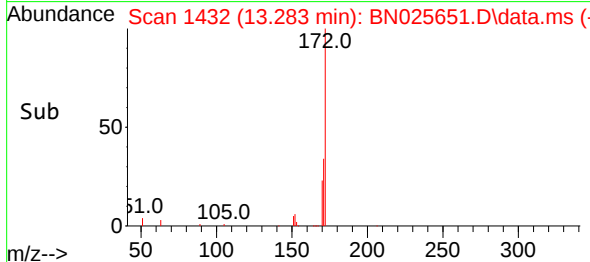
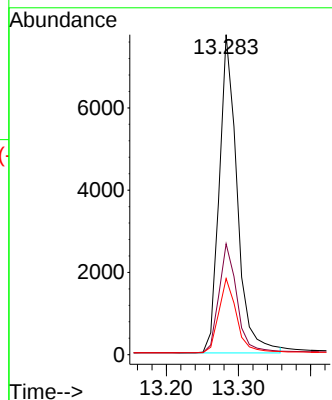
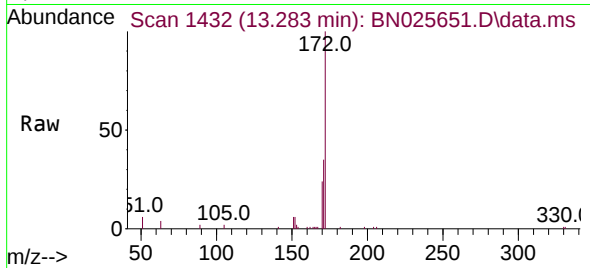




#15
2-Fluorobiphenyl
Concen: 0.328 ng
RT: 13.283 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

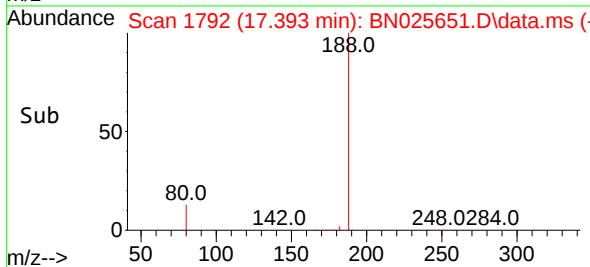
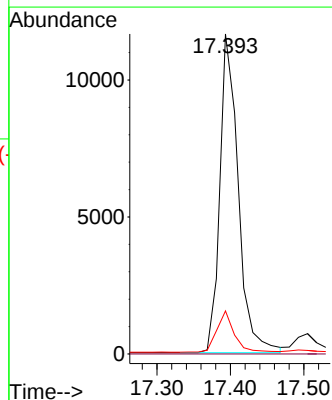
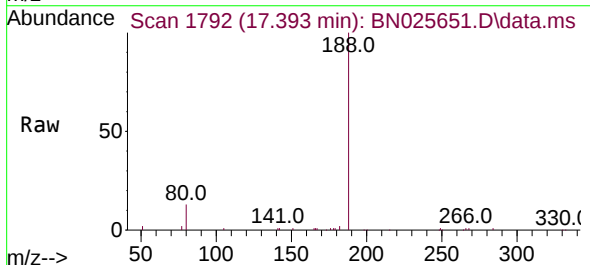
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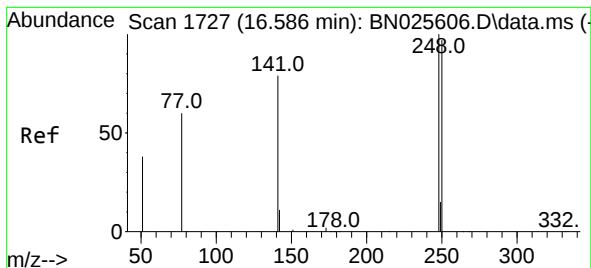
Tgt Ion:	172	Resp:	13303
Ion Ratio	Lower	Upper	
172	100		
171	34.6	28.6	42.8
170	23.8	19.7	29.5



#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

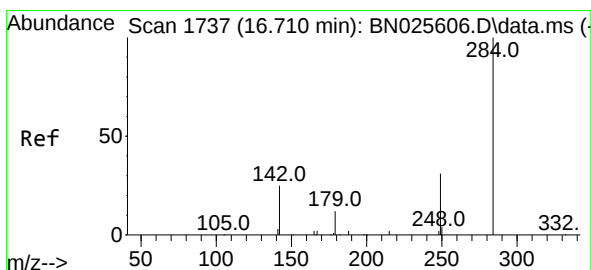
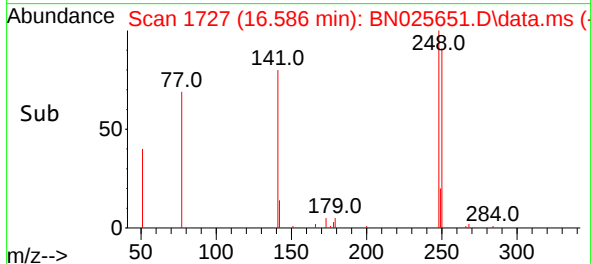
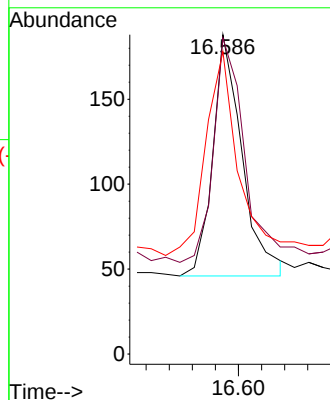
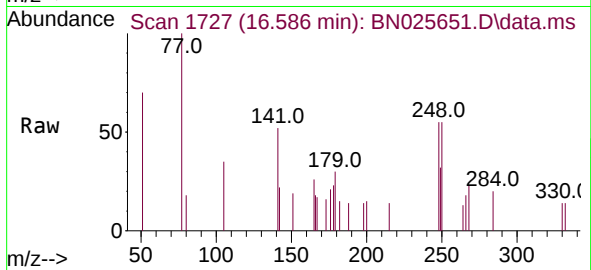




#21
4-Bromophenyl-phenylether
Concen: 0.022 ng
RT: 16.586 min Scan# 1727
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

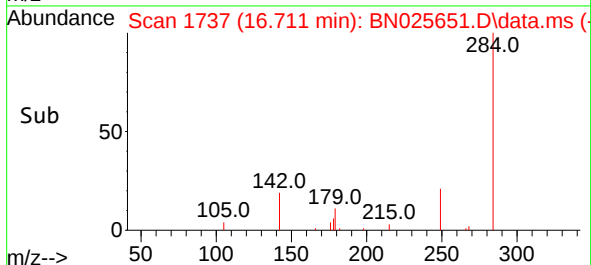
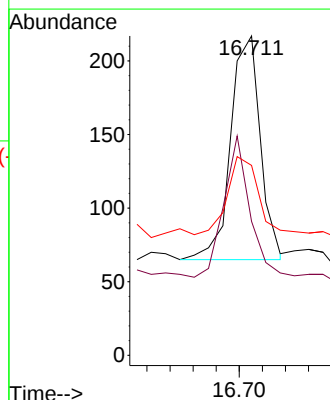
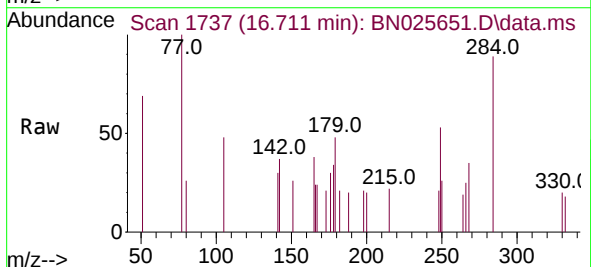
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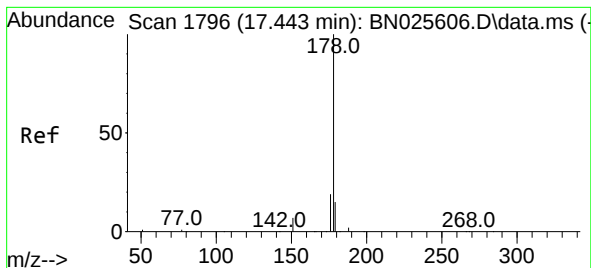
Tgt Ion:248 Resp: 250
Ion Ratio Lower Upper
248 100
250 98.9 77.5 116.3
141 94.7 64.0 96.0



#22
Hexachlorobenzene
Concen: 0.026 ng
RT: 16.711 min Scan# 1737
Delta R.T. 0.012 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

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





#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

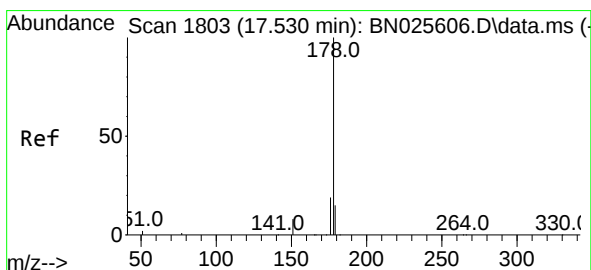
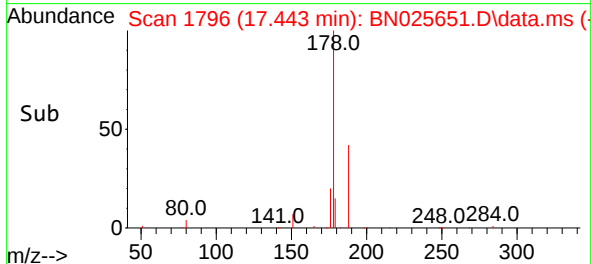
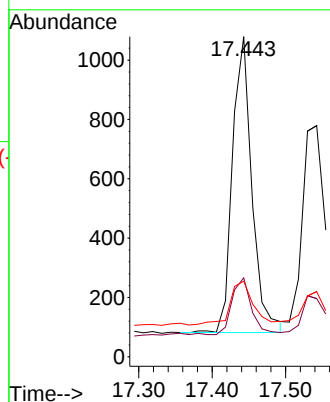
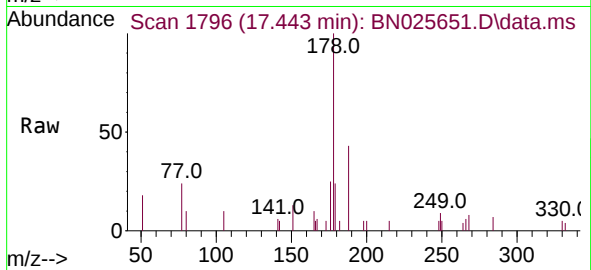
Tgt Ion:178 Resp: 1836

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

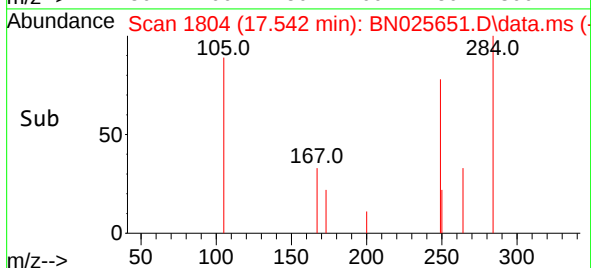
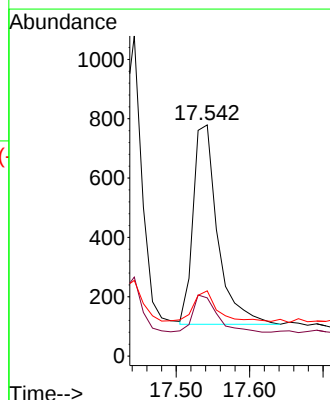
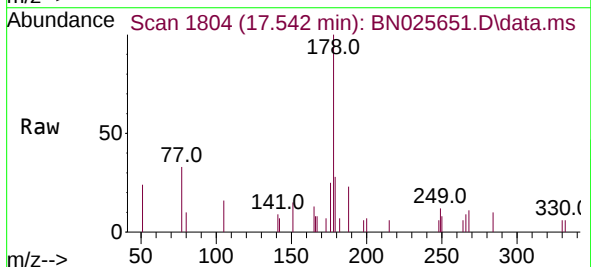
Tgt Ion:178 Resp: 1565

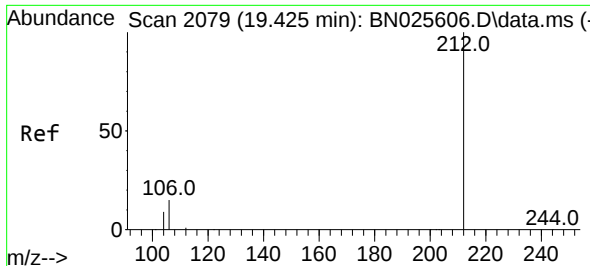
Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 14.2 12.2 18.2

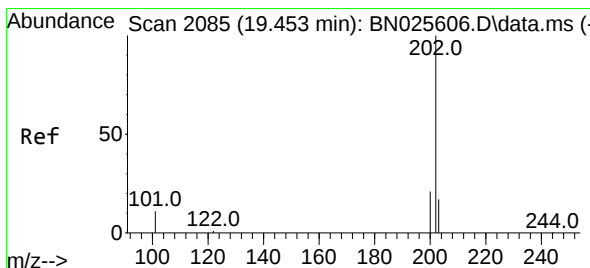
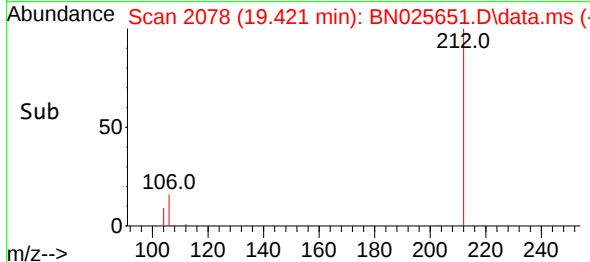
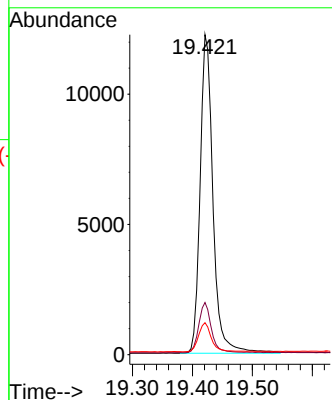
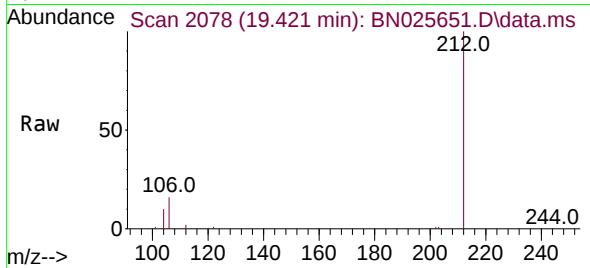




#27
Fluoranthene-d10
Concen: 0.399 ng
RT: 19.421 min Scan# 2078
Delta R.T. -0.000 min
Lab File: BN025651.D
Acq: 27 May 2023 18:48

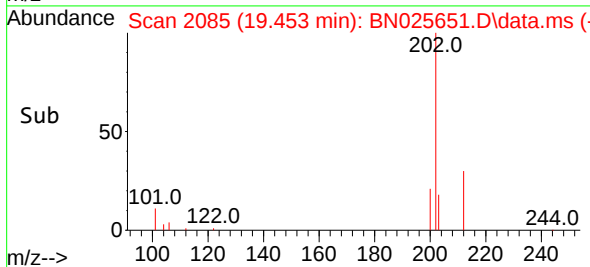
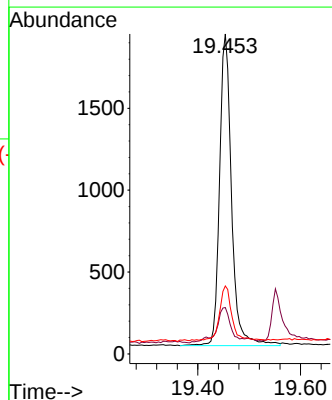
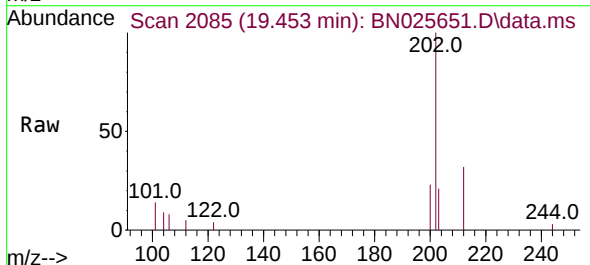
Instrument :
BNA_N
ClientSampleId :
EB01-20230519

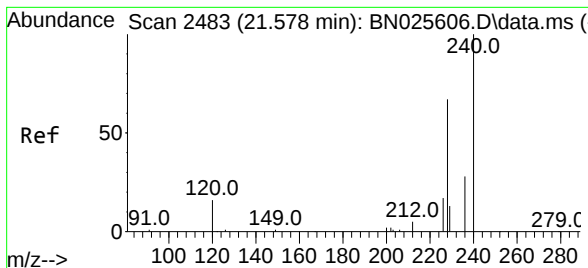
Tgt Ion:212 Resp: 18309
Ion Ratio Lower Upper
212 100
106 15.6 12.3 18.5
104 9.2 7.2 10.8



#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

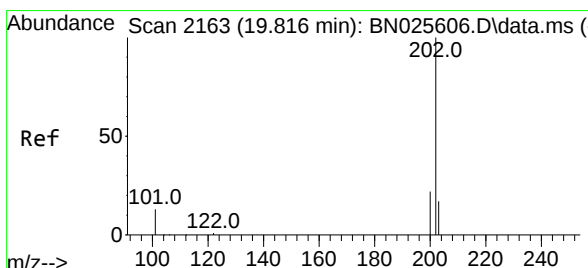
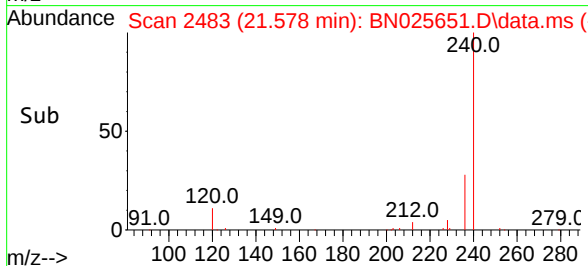
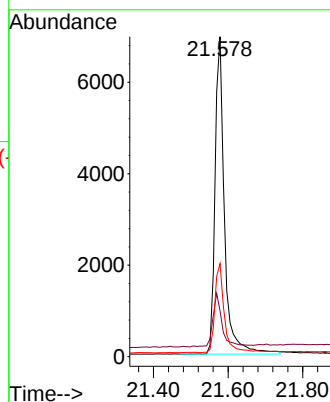
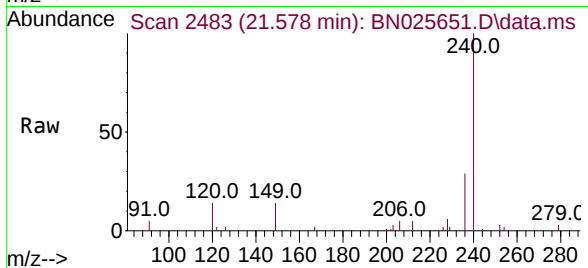
Tgt Ion:240 Resp: 12149

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

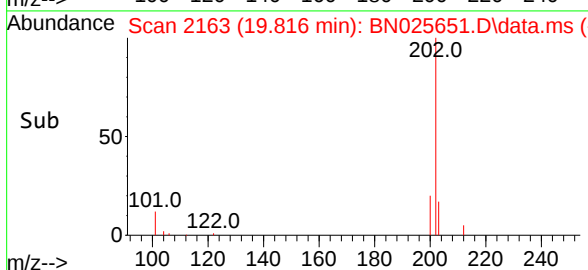
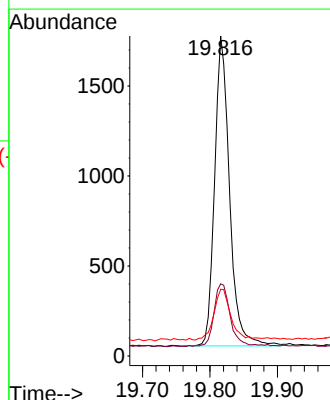
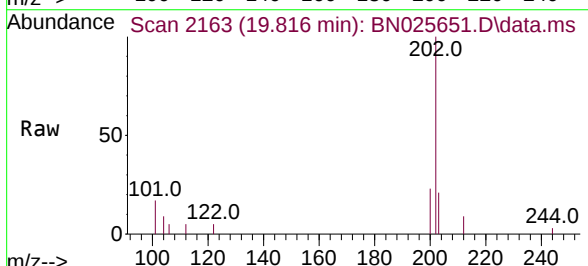
Tgt Ion:202 Resp: 2650

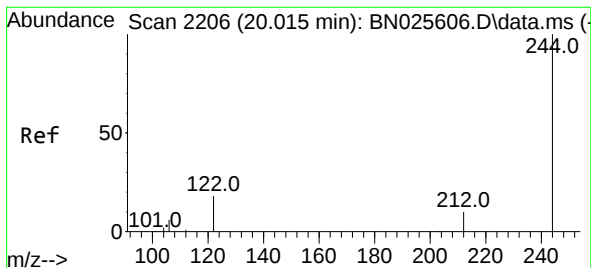
Ion Ratio Lower Upper

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

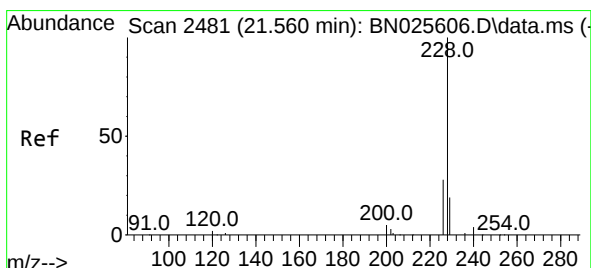
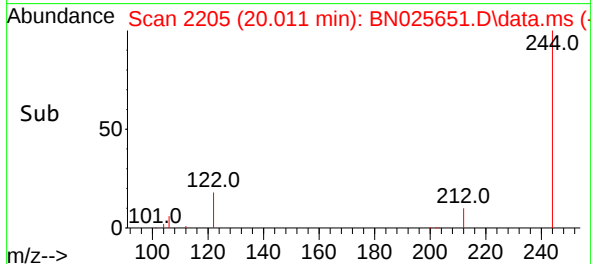
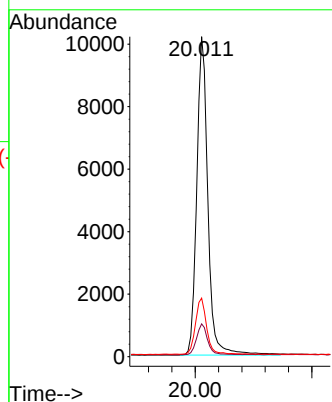
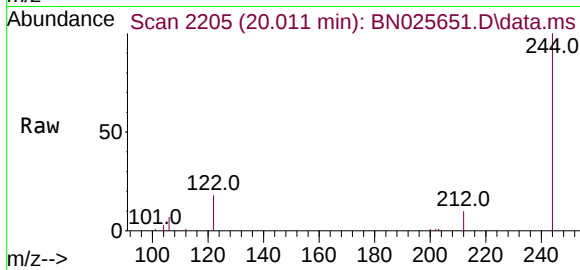
Tgt Ion:244 Resp: 13467

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

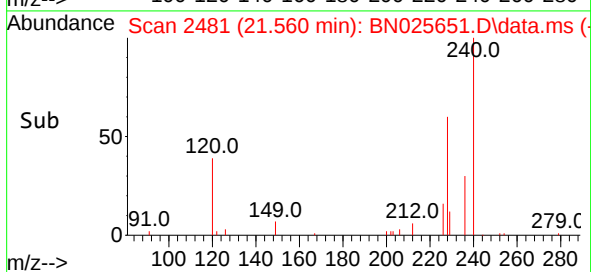
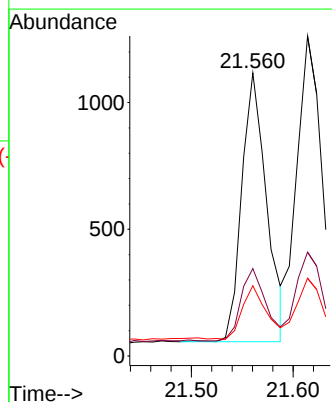
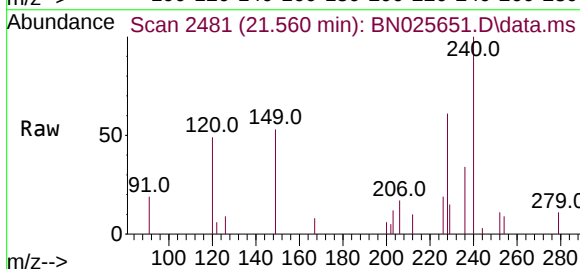
Tgt Ion:228 Resp: 1801

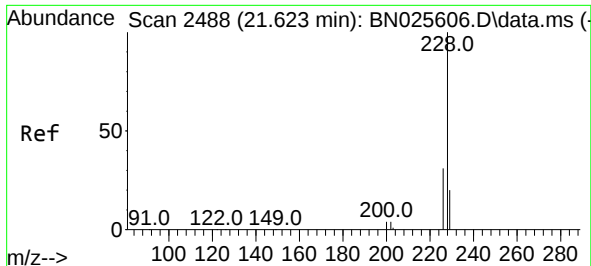
Ion Ratio Lower Upper

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

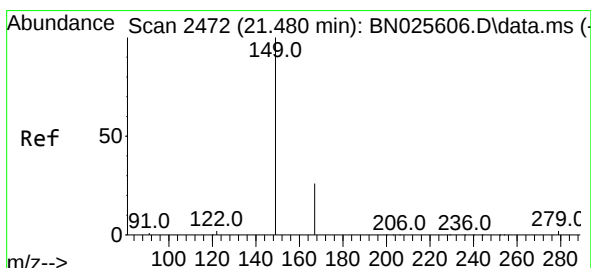
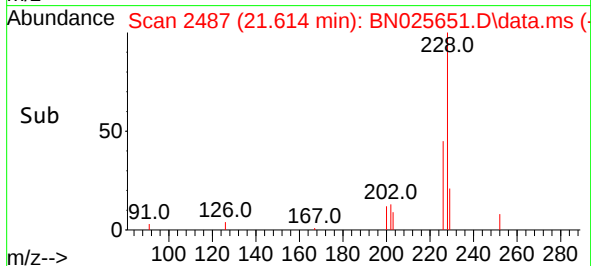
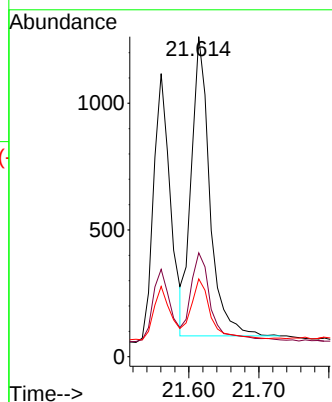
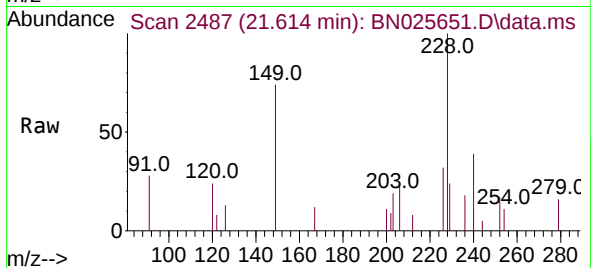
Tgt Ion:228 Resp: 2163

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

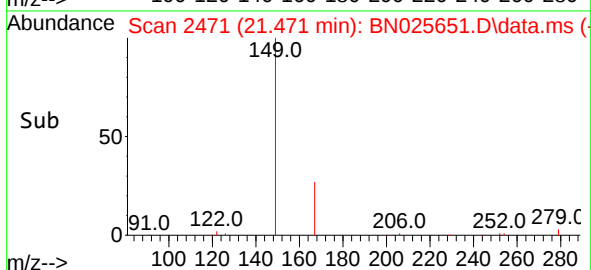
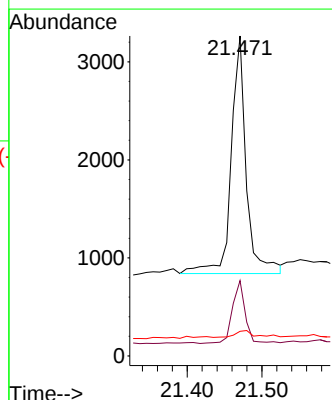
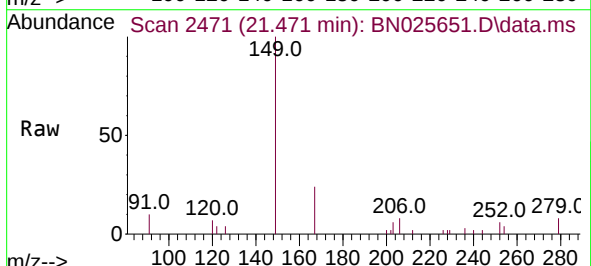
Tgt Ion:149 Resp: 3390

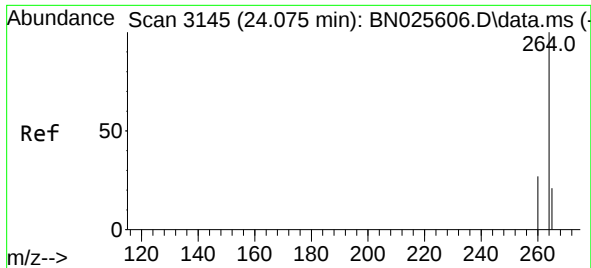
Ion Ratio Lower Upper

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

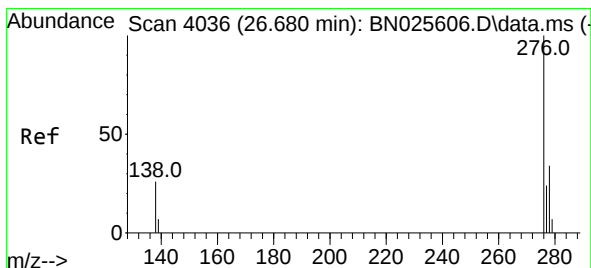
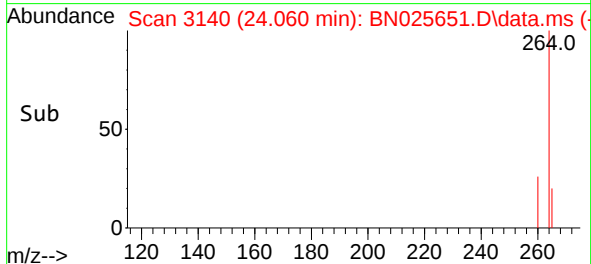
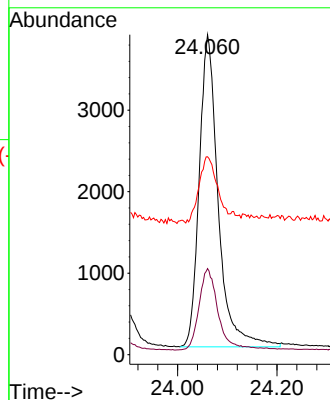
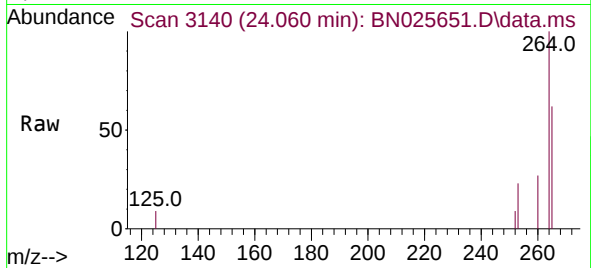
Tgt Ion:264 Resp: 10140

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

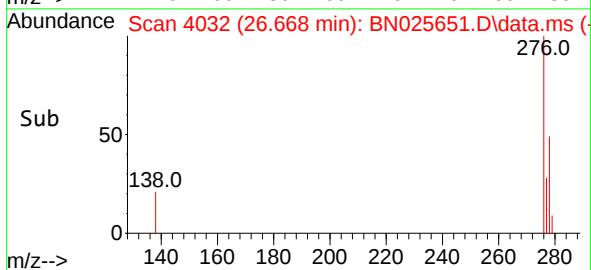
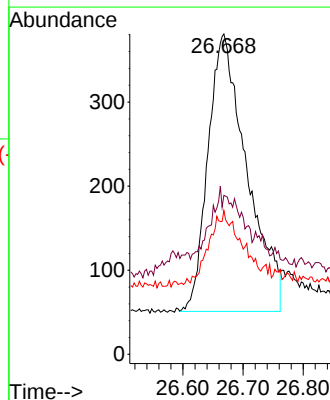
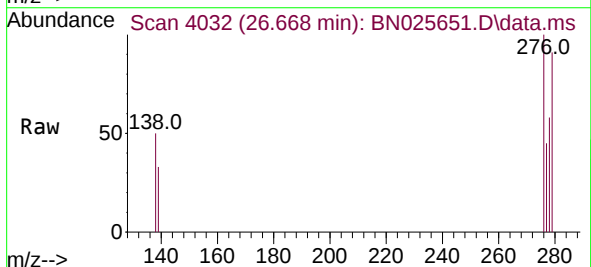
Tgt Ion:276 Resp: 1484

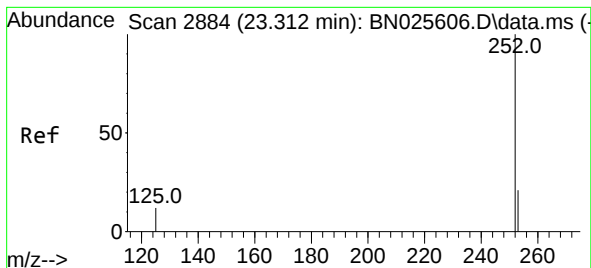
Ion Ratio Lower Upper

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

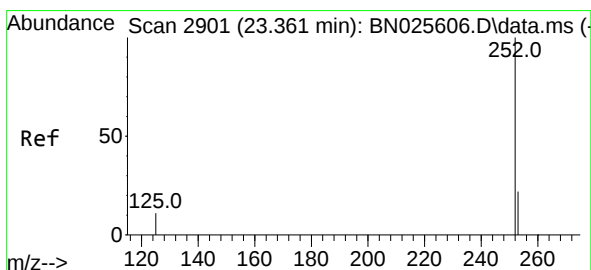
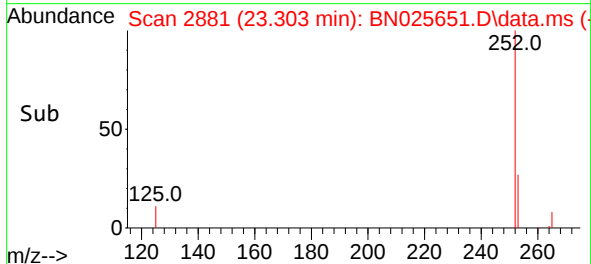
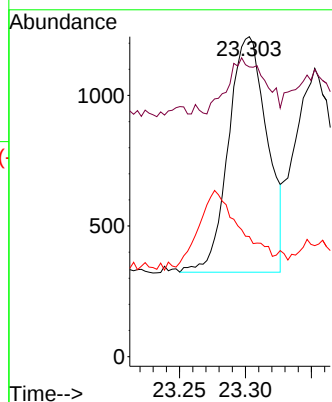
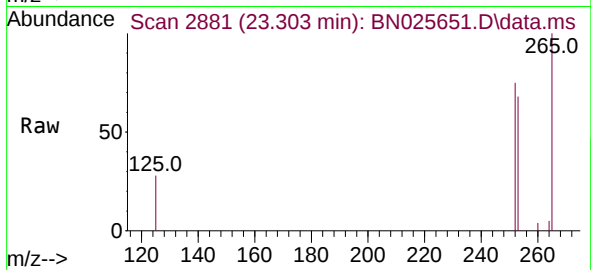
Tgt Ion:252 Resp: 1844

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

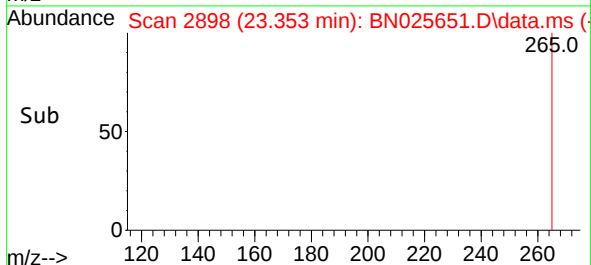
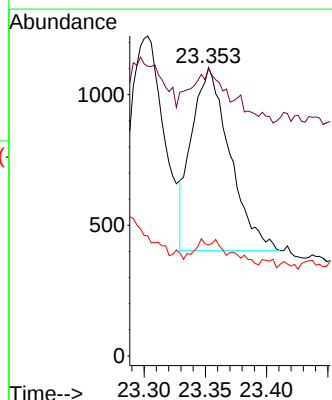
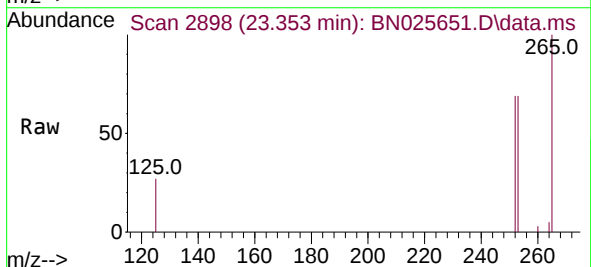
Tgt Ion:252 Resp: 1522

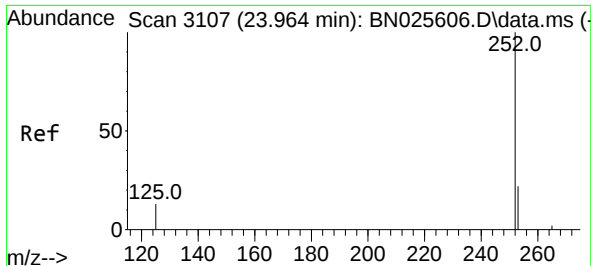
Ion Ratio Lower Upper

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

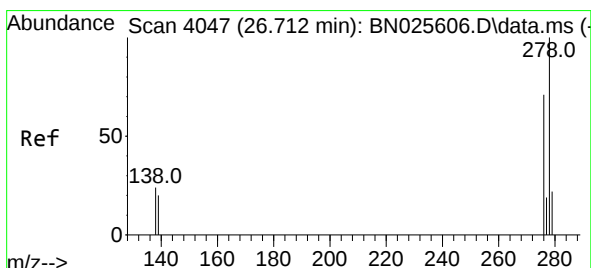
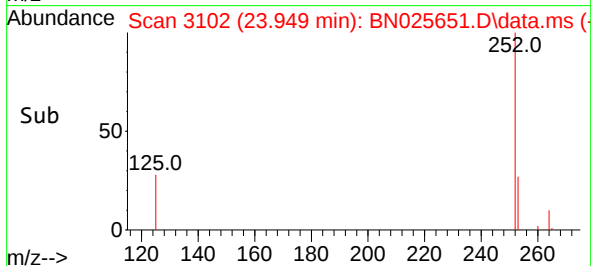
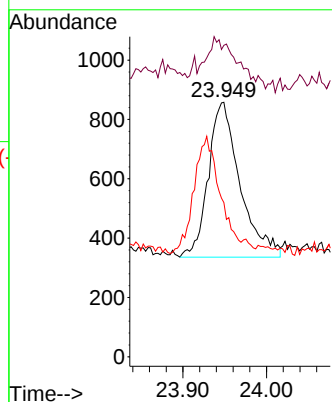
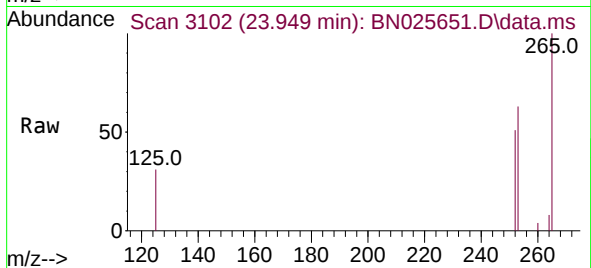
Tgt Ion:252 Resp: 1378

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

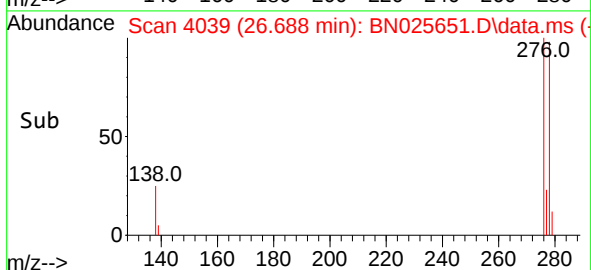
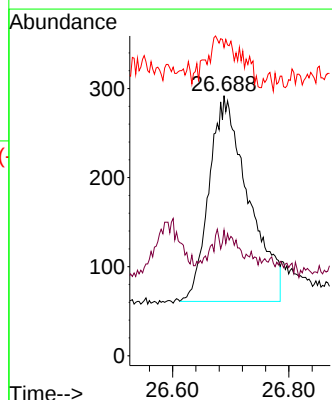
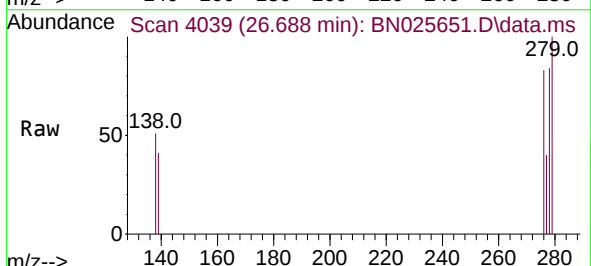
Tgt Ion:278 Resp: 1084

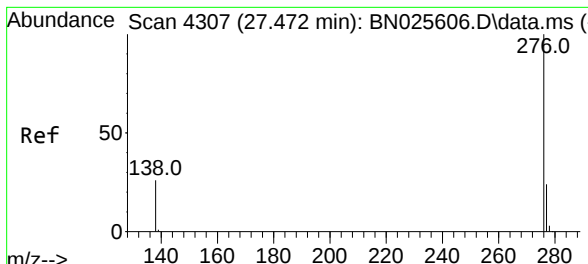
Ion Ratio Lower Upper

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

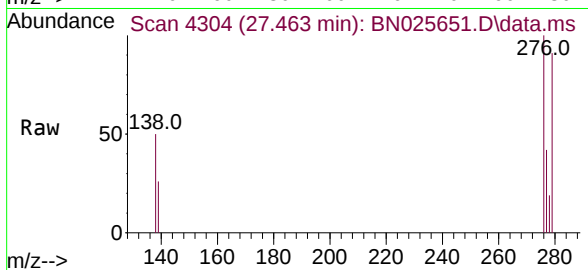
Acq: 27 May 2023 18:48

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#

