

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052623\
 Data File : BN025703.D
 Acq On : 29 May 2023 05:20
 Operator : CG/JU
 Sample : 02943-04
 Misc :
 ALS Vial : 102 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 TT101D2-20230523

Quant Time: May 29 06:02:08 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)

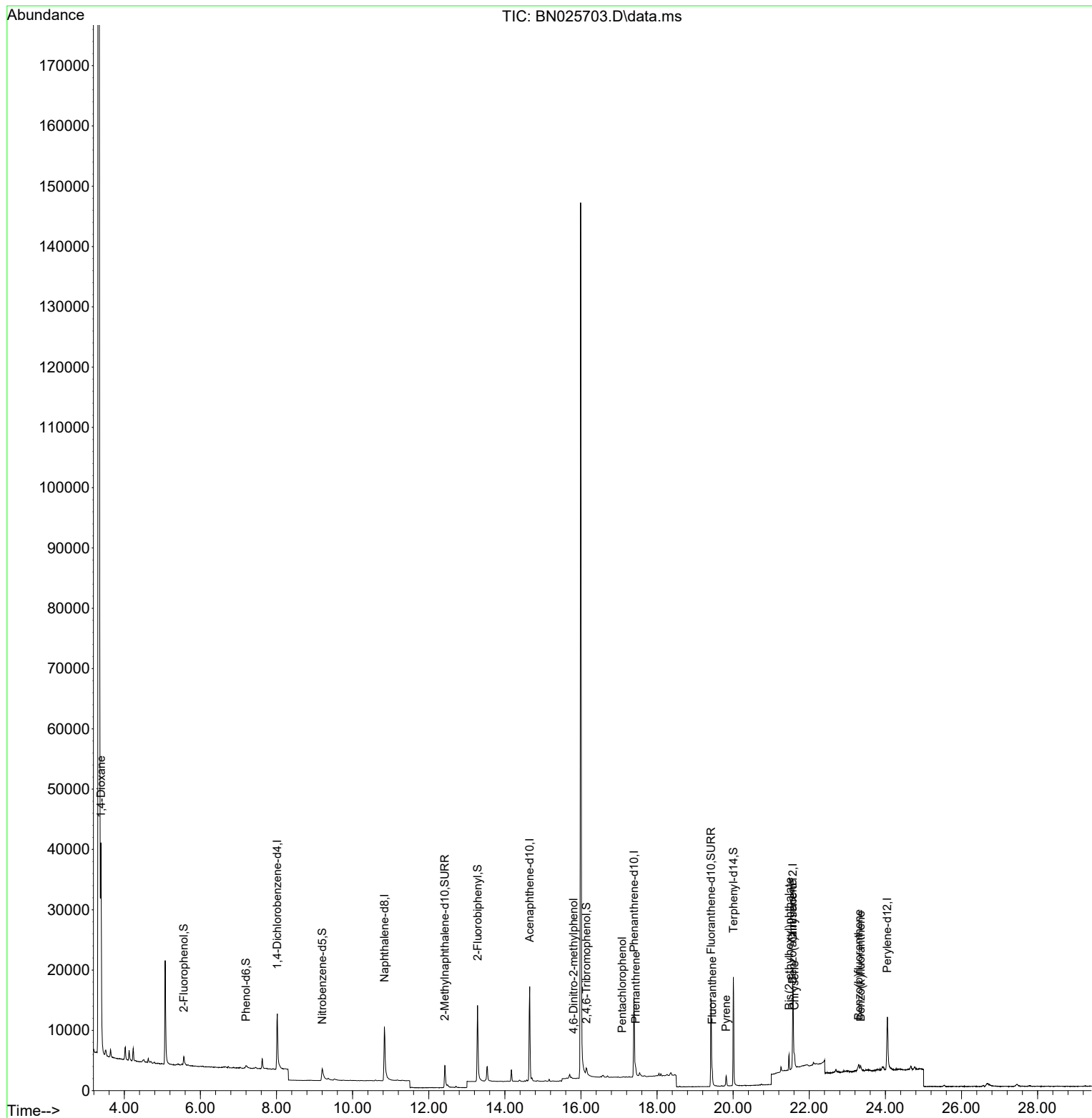
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.019	152	5763	0.400	ng	0.00
7) Naphthalene-d8	10.835	136	16300	0.400	ng	# 0.00
13) Acenaphthene-d10	14.651	164	9765	0.400	ng	0.00
19) Phenanthrene-d10	17.393	188	20662	0.400	ng	# 0.00
29) Chrysene-d12	21.569	240	14724	0.400	ng	0.00
35) Perylene-d12	24.051	264	14350	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.564	112	1769	0.120	ng	0.00
5) Phenol-d6	7.196	99	989	0.056	ng	0.02
8) Nitrobenzene-d5	9.201	82	3457	0.253	ng	0.01
11) 2-Methylnaphthalene-d10	12.423	152	7180	0.309	ng	0.00
14) 2,4,6-Tribromophenol	16.139	330	802	0.406	ng	-0.01
15) 2-Fluorobiphenyl	13.283	172	13289	0.330	ng	0.00
27) Fluoranthene-d10	19.421	212	18615	0.398	ng	0.00
31) Terphenyl-d14	20.006	244	17646	0.547	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.390	88	18488	2.770	ng	99
20) 4,6-Dinitro-2-methylph...	15.804	198	8	0.116	ng	# 1
24) Pentachlorophenol	17.083	266	12	0.374	ng	# 51
25) Phenanthrene	17.443	178	1376	0.022	ng	97
28) Fluoranthene	19.449	202	2021	0.029	ng	# 95
30) Pyrene	19.816	202	1881	0.026	ng	98
32) Benzo(a)anthracene	21.560	228	1421	0.026	ng	# 90
33) Chrysene	21.614	228	1634	0.027	ng	# 92
34) Bis(2-ethylhexyl)phtha...	21.471	149	2639	0.079	ng	# 97
37) Benzo(b)fluoranthene	23.300	252	1473	0.027	ng	# 1
38) Benzo(k)fluoranthene	23.352	252	1139	0.020	ng	# 1

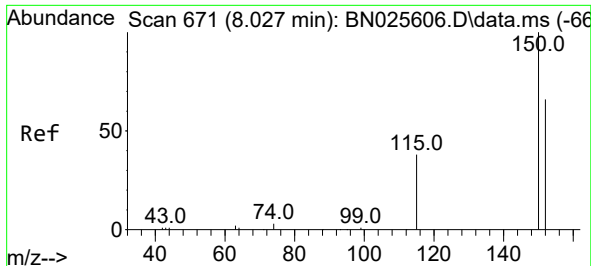
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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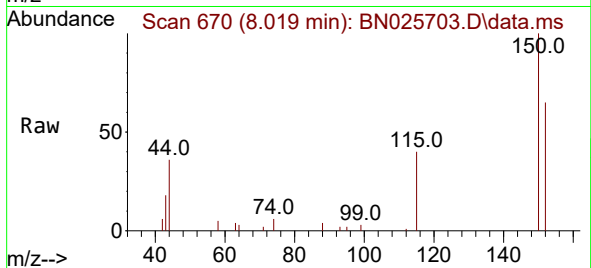
Quant Time: May 29 06:02:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN052623.M
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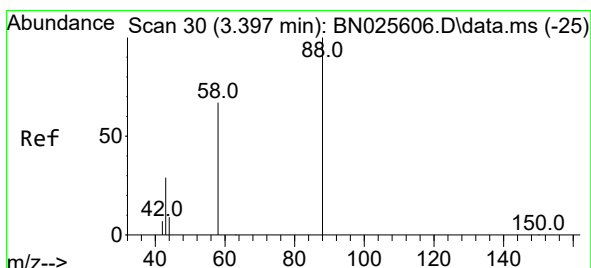
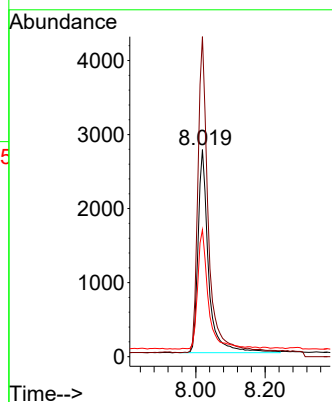
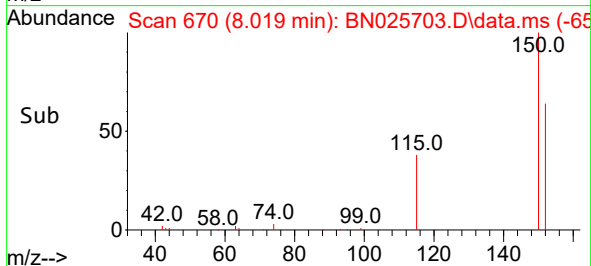


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.019 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: BN025703.D
 Acq: 29 May 2023 05:20

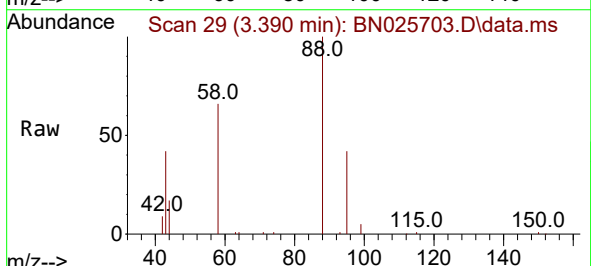
Instrument :
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 ClientSampleId :
 TT101D2-20230523



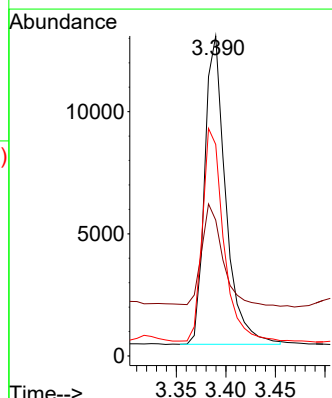
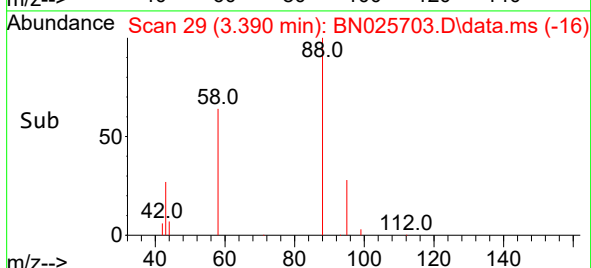
Tgt Ion:152 Resp: 5763
 Ion Ratio Lower Upper
 152 100
 150 154.6 121.0 181.6
 115 61.3 48.5 72.7

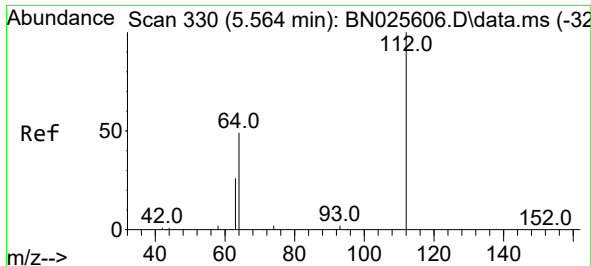


#2
 1,4-Dioxane
 Concen: 2.770 ng
 RT: 3.390 min Scan# 29
 Delta R.T. -0.007 min
 Lab File: BN025703.D
 Acq: 29 May 2023 05:20



Tgt Ion: 88 Resp: 18488
 Ion Ratio Lower Upper
 88 100
 43 33.4 26.5 39.7
 58 69.8 56.8 85.2

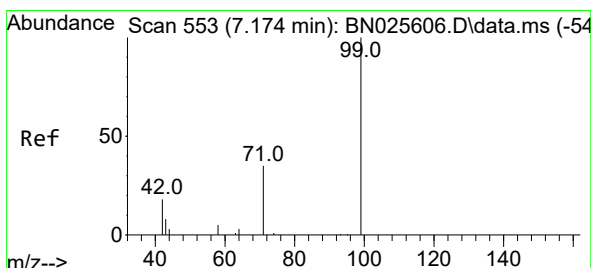
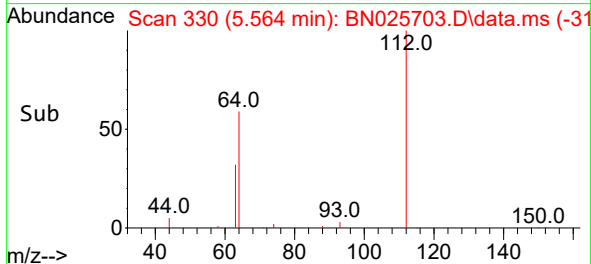
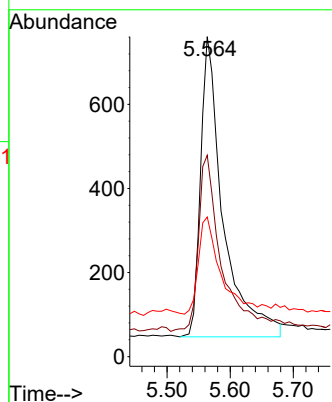
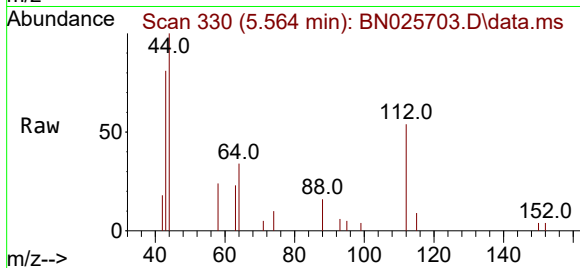




#4
2-Fluorophenol
Concen: 0.120 ng
RT: 5.564 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

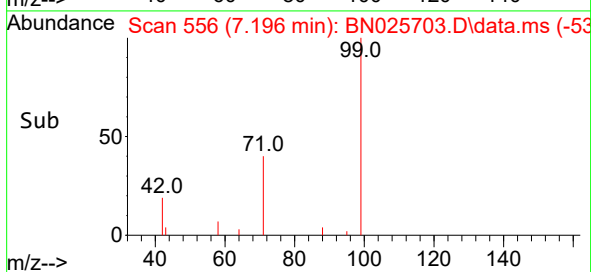
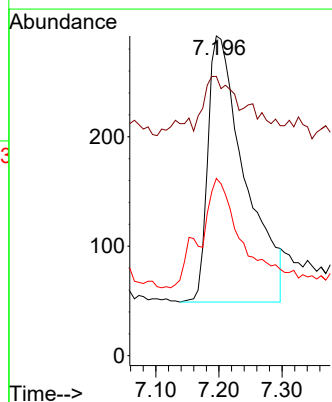
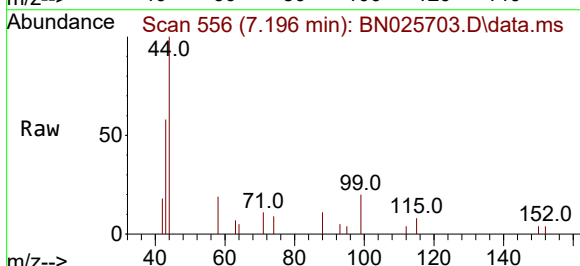
Instrument :
BNA_N
ClientSampleId :
TT101D2-20230523

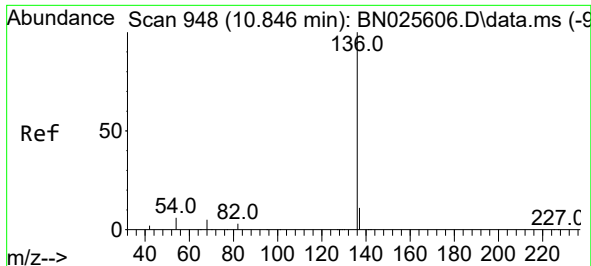
Tgt Ion: 112 Resp: 1769
Ion Ratio Lower Upper
112 100
64 61.0 45.7 68.5
63 33.4 26.2 39.2



#5
Phenol-d6
Concen: 0.056 ng
RT: 7.196 min Scan# 556
Delta R.T. 0.021 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

Tgt Ion: 99 Resp: 989
Ion Ratio Lower Upper
99 100
42 16.2 17.1 25.7#
71 28.1 29.3 43.9#

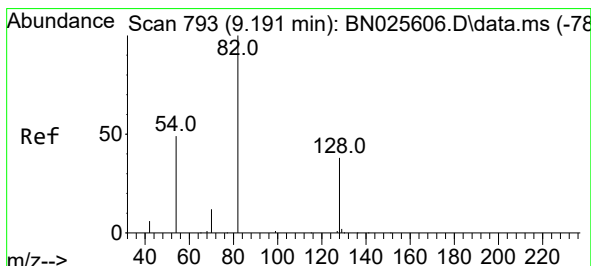
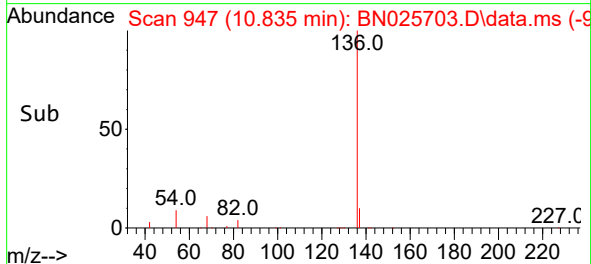
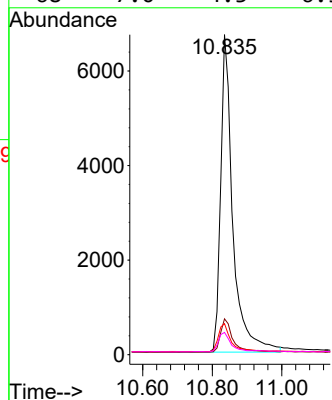
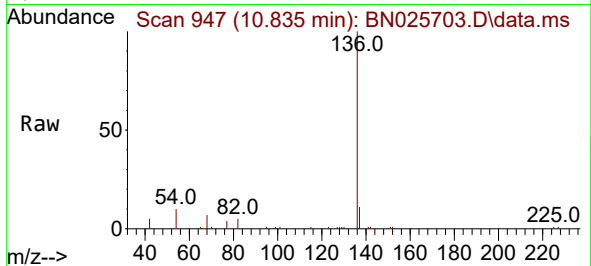




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.835 min Scan# 94
Delta R.T. -0.000 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

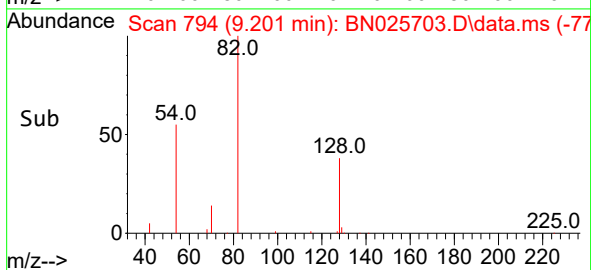
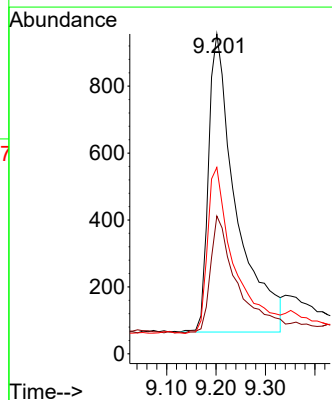
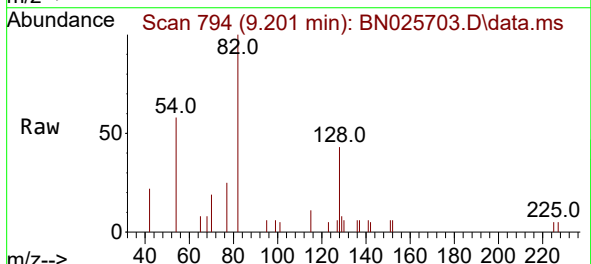
Instrument :
BNA_N
ClientSampleId :
TT101D2-20230523

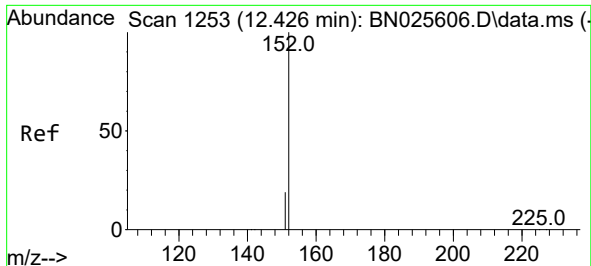
Tgt Ion:	136	Resp:	16300
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	9.7	5.4	8.0#
68	7.0	4.3	6.5#



#8
Nitrobenzene-d5
Concen: 0.253 ng
RT: 9.201 min Scan# 794
Delta R.T. 0.010 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

Tgt Ion:	82	Resp:	3457
Ion Ratio	Lower	Upper	
82	100		
128	43.1	32.5	48.7
54	58.3	40.6	60.8

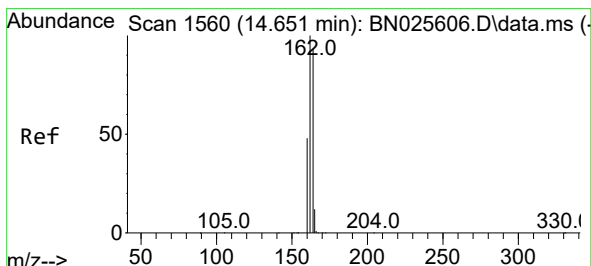
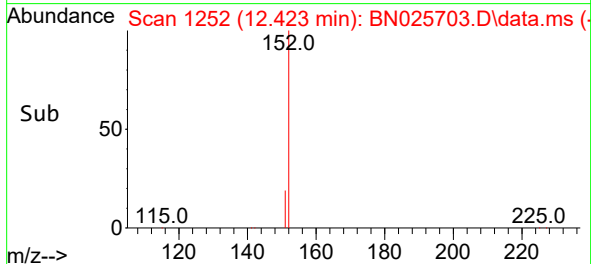
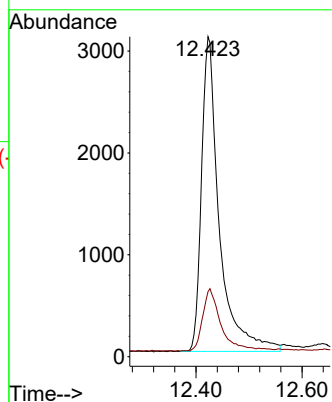
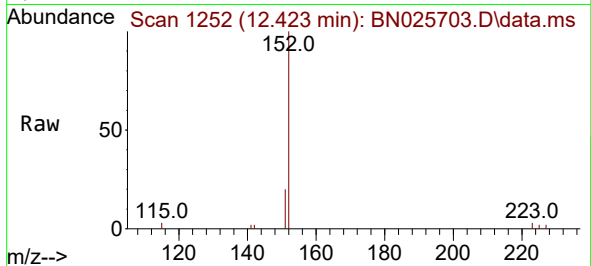




#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.423 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

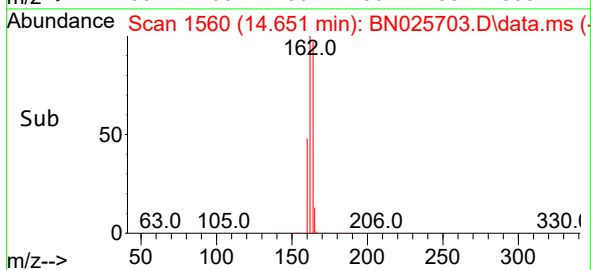
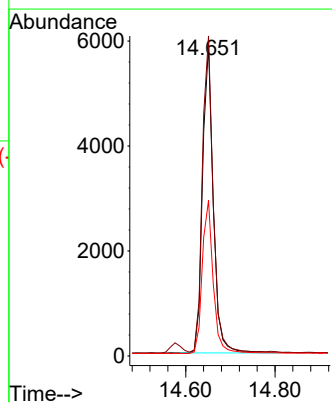
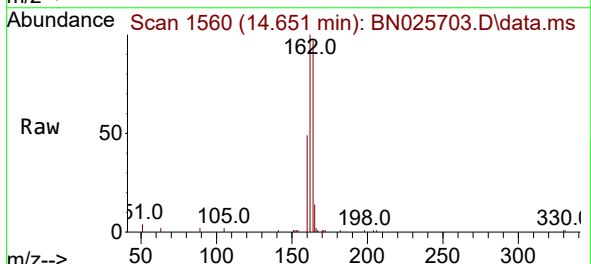
Instrument :
BNA_N
ClientSampleId :
TT101D2-20230523

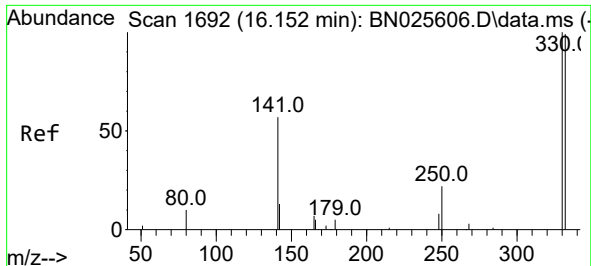
Tgt Ion:152 Resp: 7180
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.651 min Scan# 1560
Delta R.T. -0.000 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

Tgt Ion:164 Resp: 9765
Ion Ratio Lower Upper
164 100
162 103.0 86.4 129.6
160 50.1 41.9 62.9

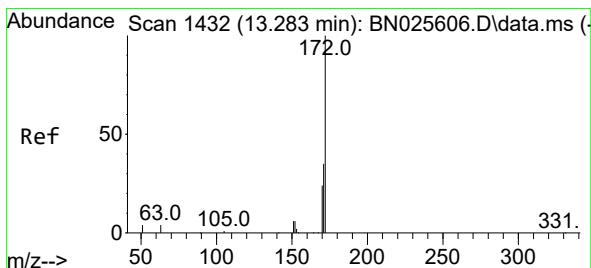
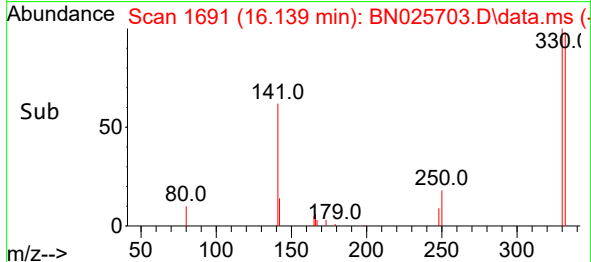
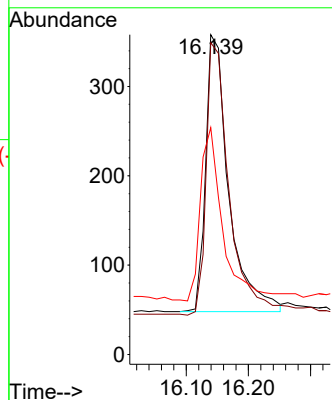
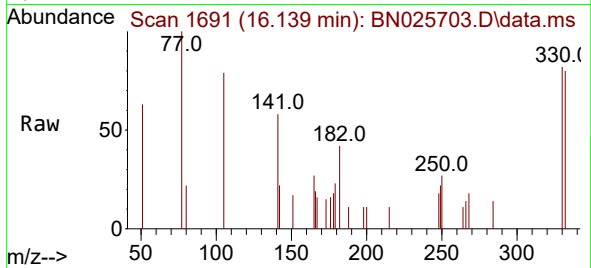




#14
2,4,6-Tribromophenol
Concen: 0.406 ng
RT: 16.139 min Scan# 1691
Delta R.T. -0.013 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

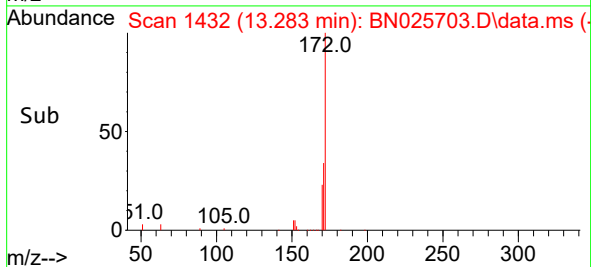
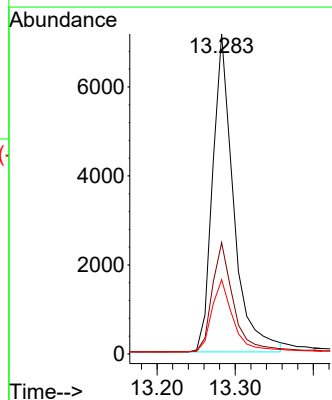
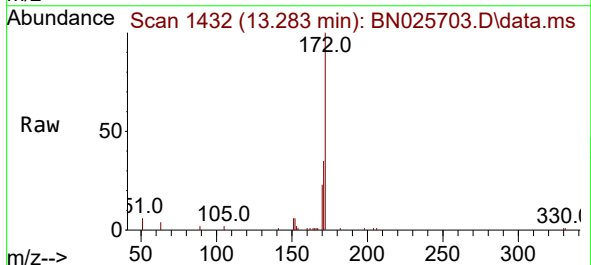
Instrument :
BNA_N
ClientSampleId :
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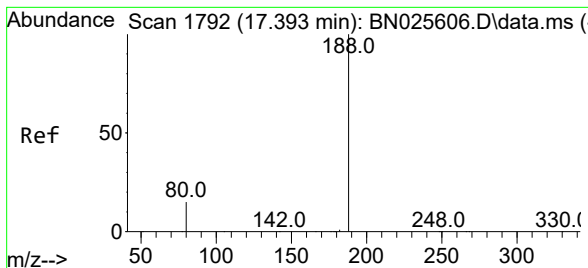
Tgt Ion:330 Resp: 802
Ion Ratio Lower Upper
330 100
332 96.6 80.0 120.0
141 59.2 45.8 68.6



#15
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 13.283 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BN025703.D
Acq: 29 May 2023 05:20

Tgt Ion:172 Resp: 13289
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 23.2 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.393 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523

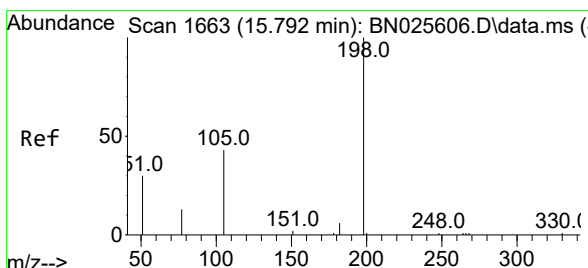
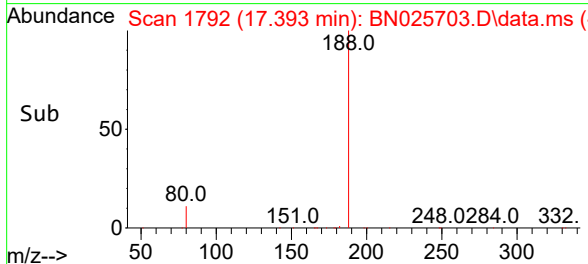
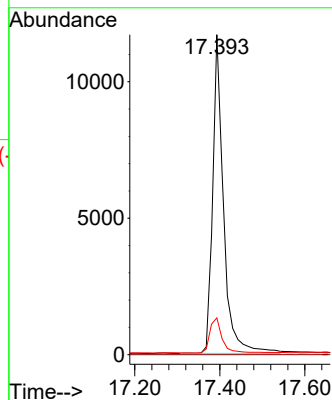
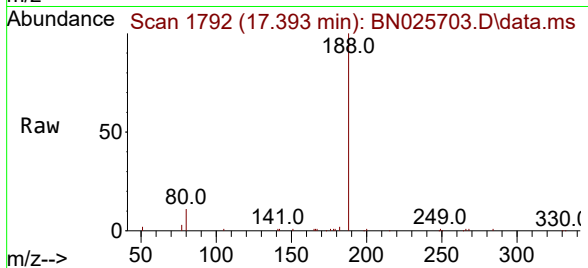
Tgt Ion:188 Resp: 20662

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.5 12.2 18.2#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.116 ng

RT: 15.804 min Scan# 1664

Delta R.T. 0.012 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

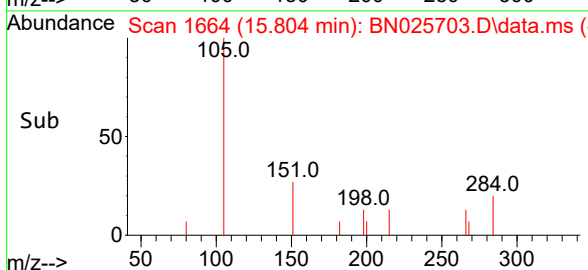
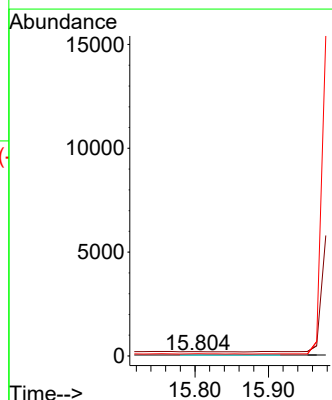
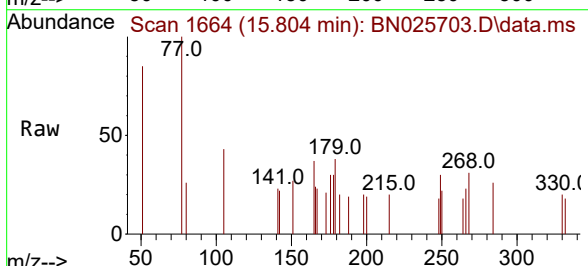
Tgt Ion:198 Resp: 8

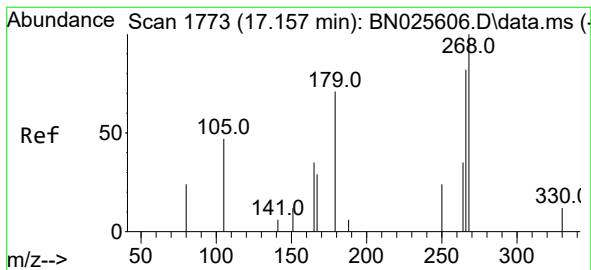
Ion Ratio Lower Upper

198 100

51 426.5 110.8 166.2#

105 214.3 61.9 92.9#





#24

Pentachlorophenol

Concen: 0.374 ng

RT: 17.083 min Scan# 1767

Delta R.T. 0.012 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523

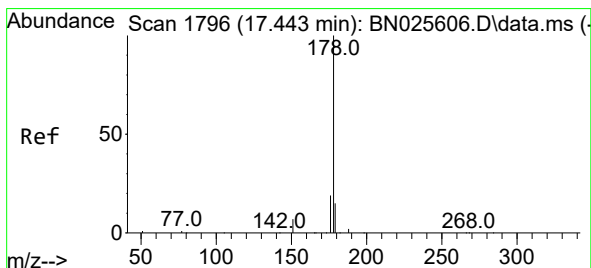
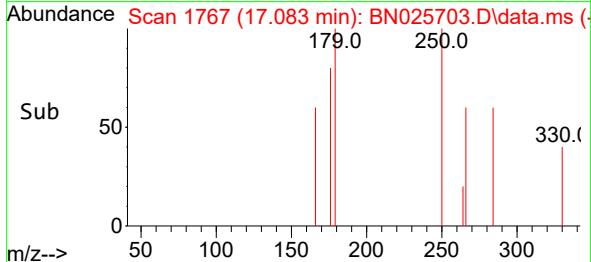
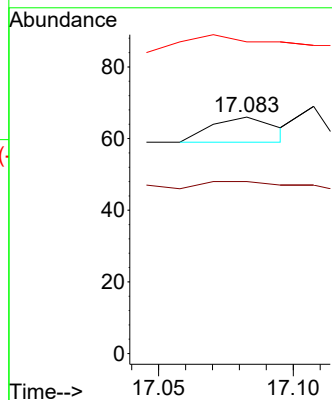
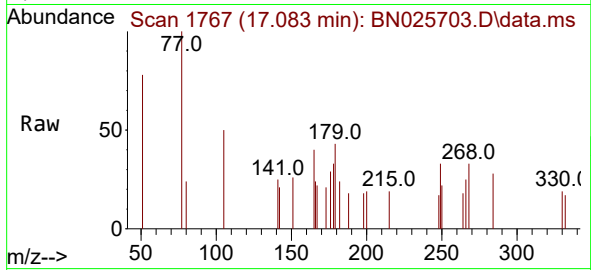
Tgt Ion:266 Resp: 12

Ion Ratio Lower Upper

266 100

264 33.3 60.0 90.0#

268 183.3 0.0 0.0#



#25

Phenanthrene

Concen: 0.022 ng

RT: 17.443 min Scan# 1796

Delta R.T. 0.012 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

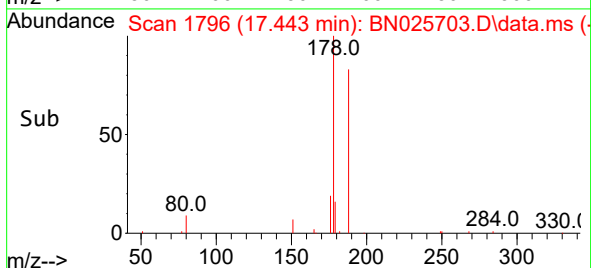
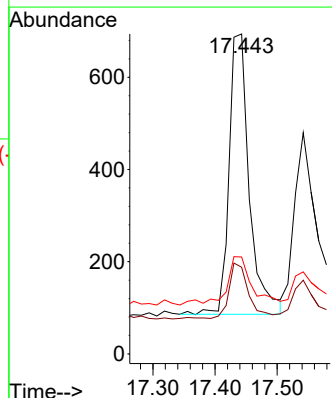
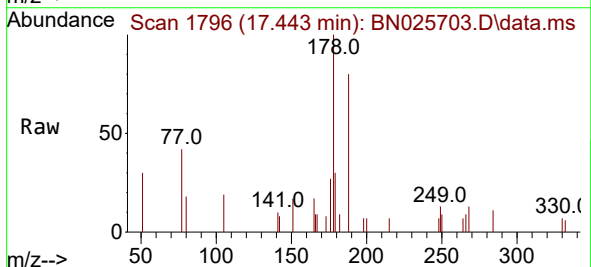
Tgt Ion:178 Resp: 1376

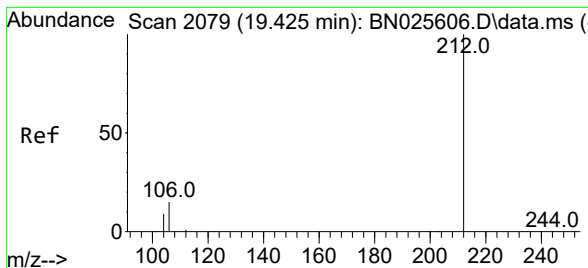
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 18.5 12.6 19.0





#27

Fluoranthene-d10

Concen: 0.398 ng

RT: 19.421 min Scan# 2079

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523

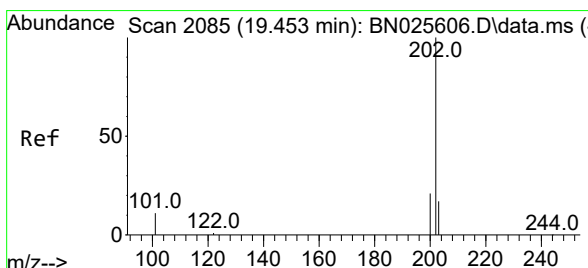
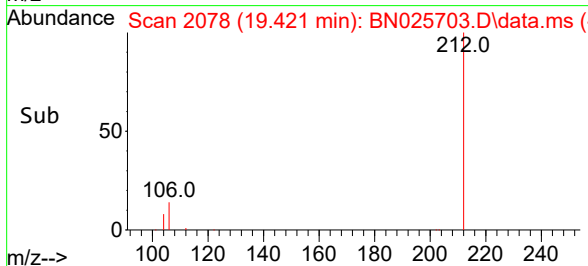
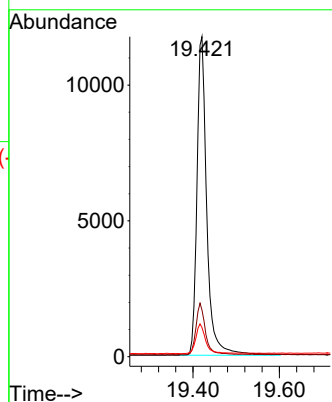
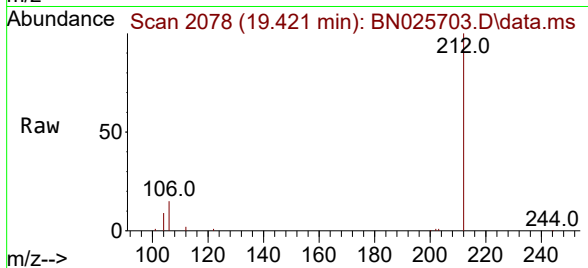
Tgt Ion:212 Resp: 18615

Ion Ratio Lower Upper

212 100

106 15.6 12.3 18.5

104 9.2 7.2 10.8



#28

Fluoranthene

Concen: 0.029 ng

RT: 19.449 min Scan# 2084

Delta R.T. -0.005 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

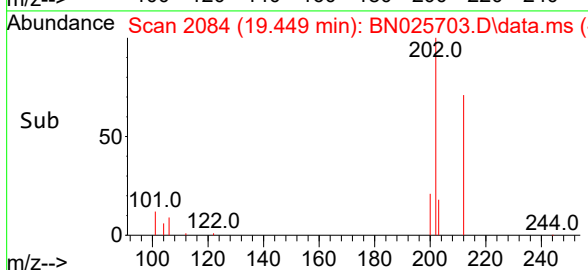
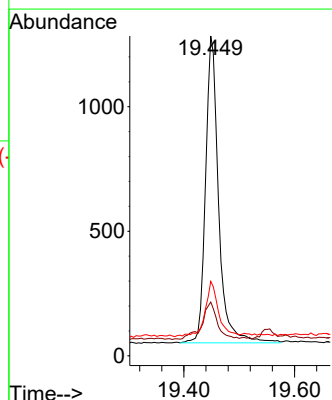
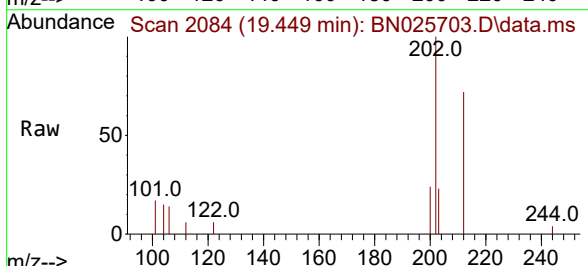
Tgt Ion:202 Resp: 2021

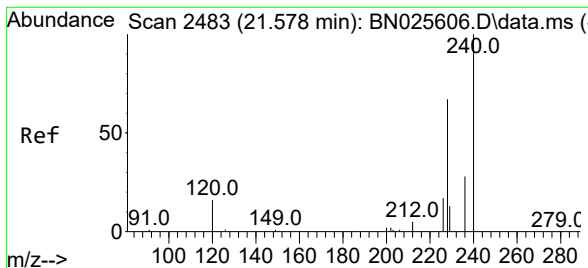
Ion Ratio Lower Upper

202 100

101 14.0 9.2 13.8#

203 18.6 13.3 19.9





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.569 min Scan# 2482

Delta R.T. -0.009 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523

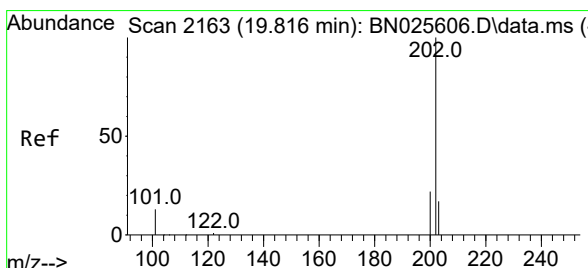
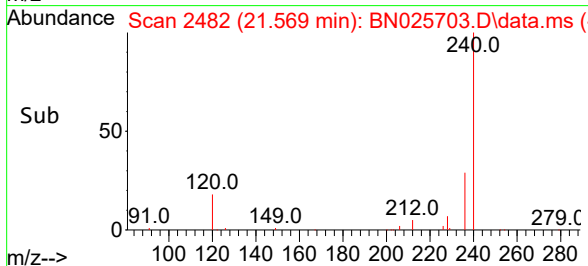
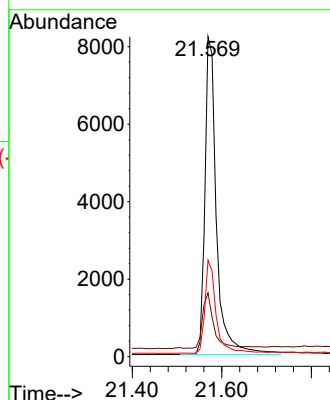
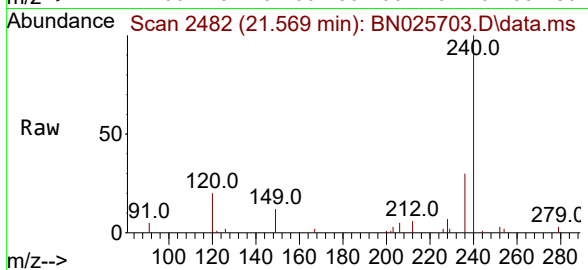
Tgt Ion:240 Resp: 14724

Ion Ratio Lower Upper

240 100

120 19.9 15.4 23.0

236 30.1 23.2 34.8



#30

Pyrene

Concen: 0.026 ng

RT: 19.816 min Scan# 2163

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

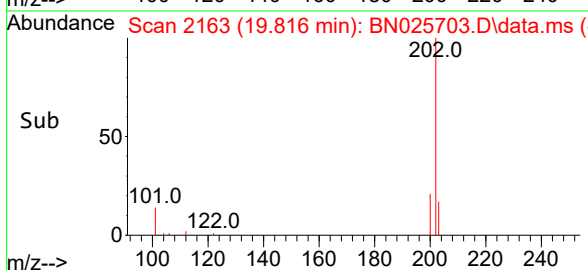
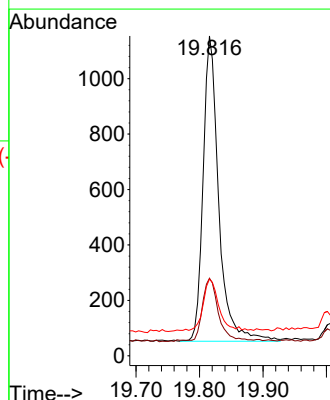
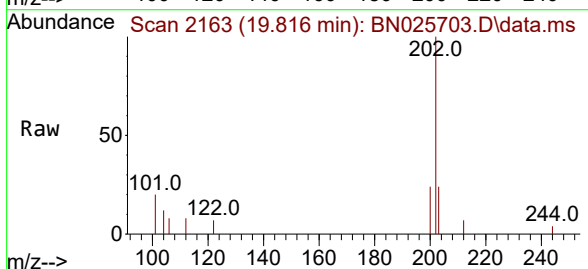
Tgt Ion:202 Resp: 1881

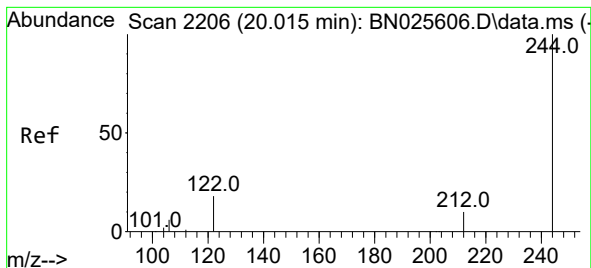
Ion Ratio Lower Upper

202 100

200 19.9 17.1 25.7

203 18.3 14.5 21.7





#31

Terphenyl-d14

Concen: 0.547 ng

RT: 20.006 min Scan# 21

Delta R.T. -0.010 min

Lab File: BN025703.D

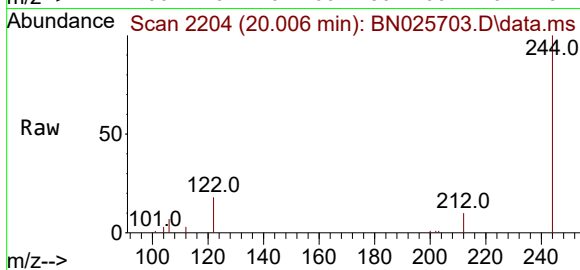
Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523



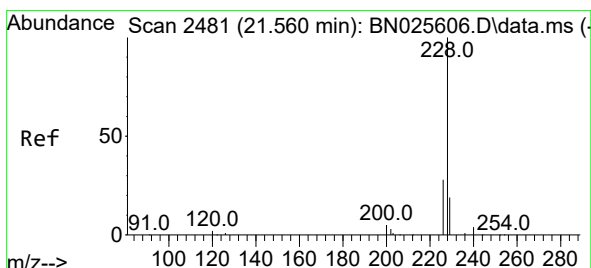
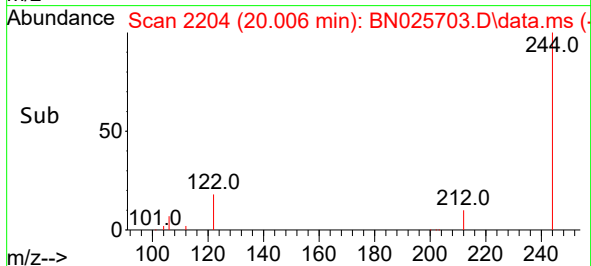
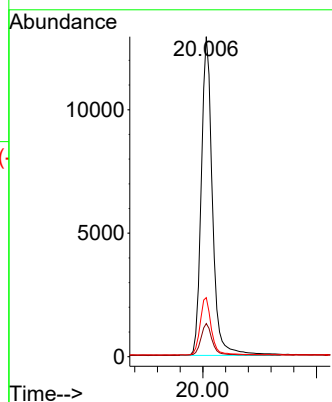
Tgt Ion:244 Resp: 17646

Ion Ratio Lower Upper

244 100

212 10.3 8.5 12.7

122 18.5 14.9 22.3



#32

Benzo(a)anthracene

Concen: 0.026 ng

RT: 21.560 min Scan# 2481

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

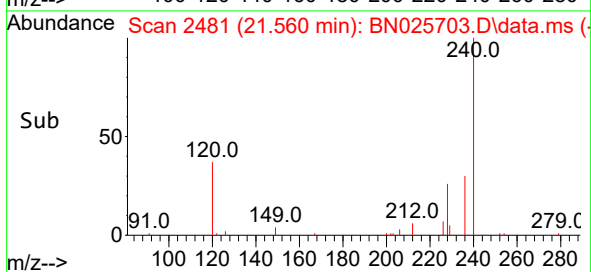
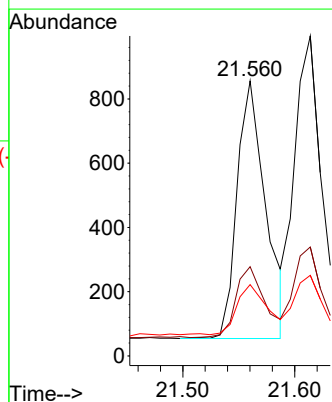
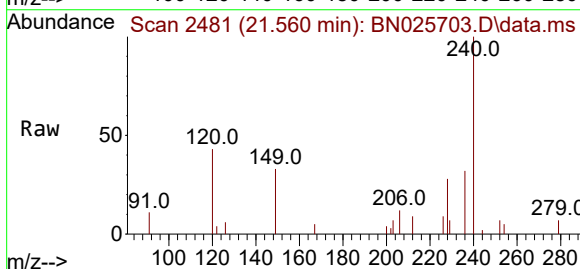
Tgt Ion:228 Resp: 1421

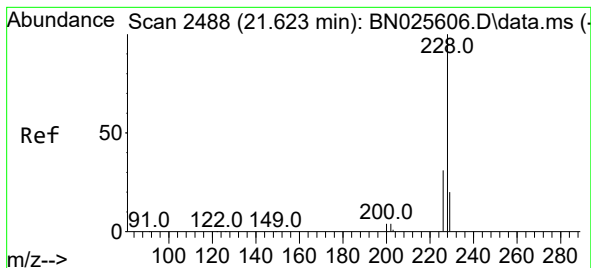
Ion Ratio Lower Upper

228 100

226 32.5 22.9 34.3

229 25.9 15.9 23.9#





#33

Chrysene

Concen: 0.027 ng

RT: 21.614 min Scan# 2487

Delta R.T. -0.000 min

Lab File: BN025703.D

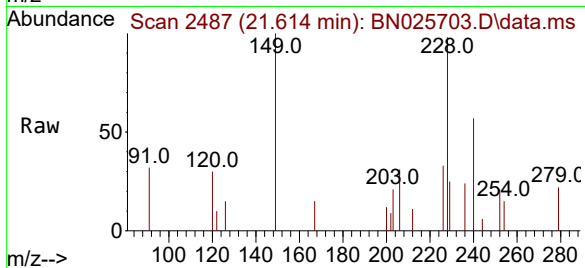
Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523



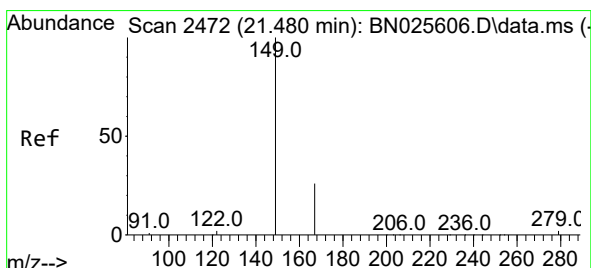
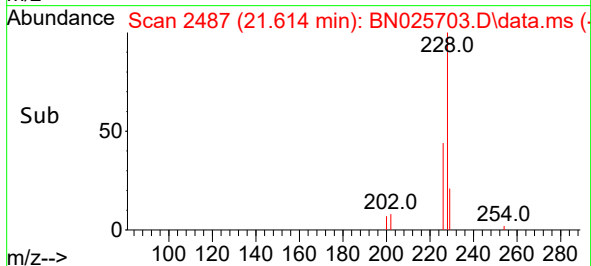
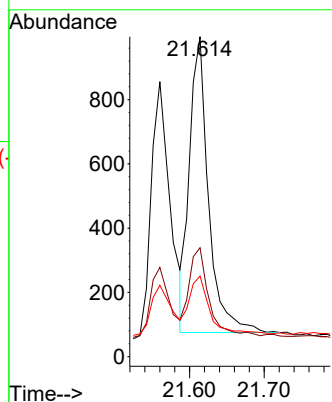
Tgt Ion:228 Resp: 1634

Ion Ratio Lower Upper

228 100

226 34.0 24.5 36.7

229 25.2 16.2 24.4#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.079 ng

RT: 21.471 min Scan# 2471

Delta R.T. -0.000 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

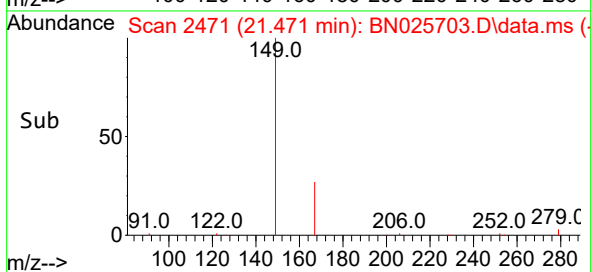
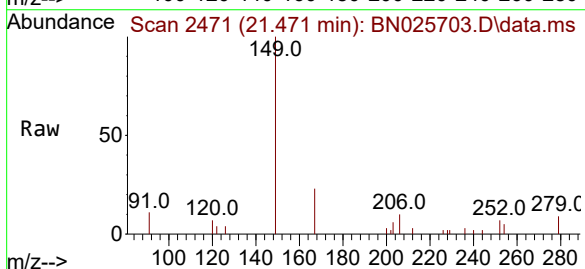
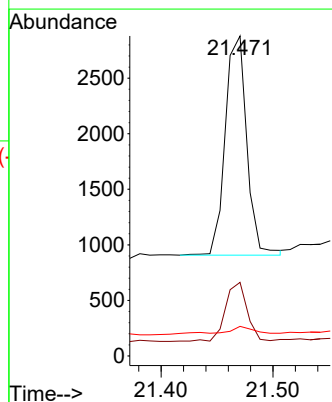
Tgt Ion:149 Resp: 2639

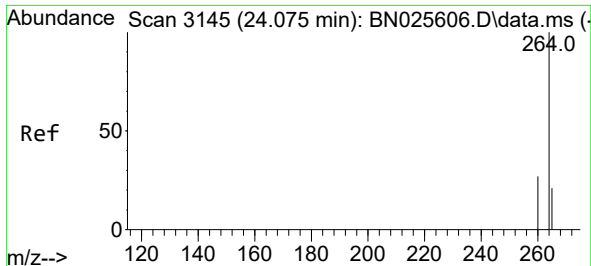
Ion Ratio Lower Upper

149 100

167 27.3 20.4 30.6

279 3.3 3.3 4.9#





#35
Perylene-d12

Concen: 0.400 ng

RT: 24.051 min Scan# 31

Delta R.T. -0.018 min

Lab File: BN025703.D

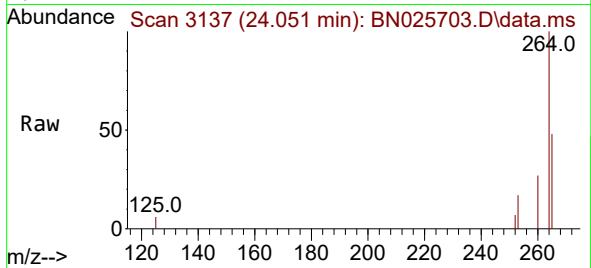
Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523



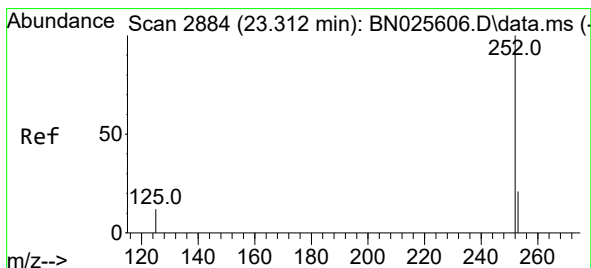
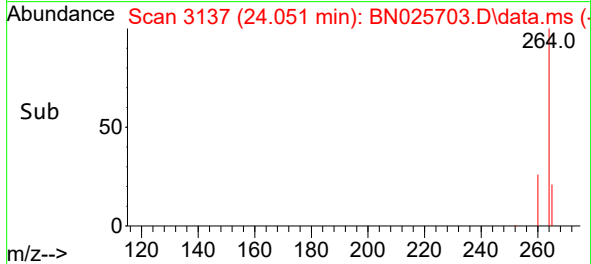
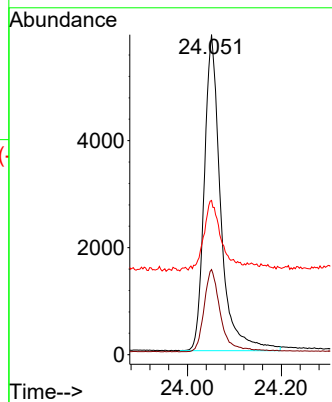
Tgt Ion:264 Resp: 14350

Ion Ratio Lower Upper

264 100

260 26.6 22.3 33.5

265 48.2 54.3 81.5#



#37

Benzo(b)fluoranthene

Concen: 0.027 ng

RT: 23.300 min Scan# 2880

Delta R.T. -0.003 min

Lab File: BN025703.D

Acq: 29 May 2023 05:20

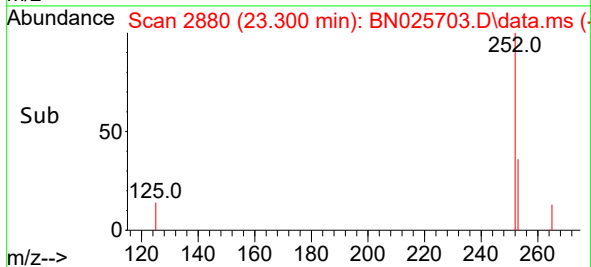
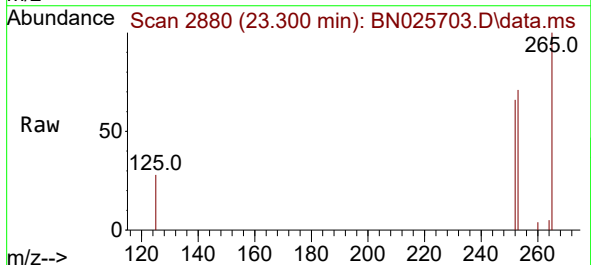
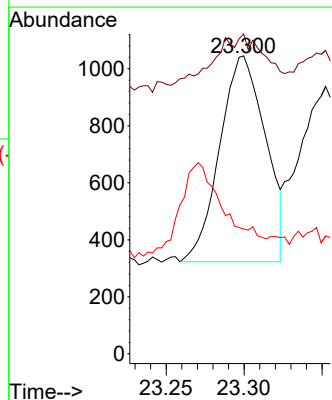
Tgt Ion:252 Resp: 1473

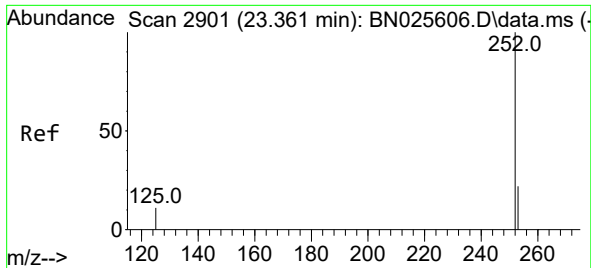
Ion Ratio Lower Upper

252 100

253 107.4 26.2 39.4#

125 41.9 12.9 19.3#





#38

Benzo(k)fluoranthene

Concen: 0.020 ng

RT: 23.352 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN025703.D

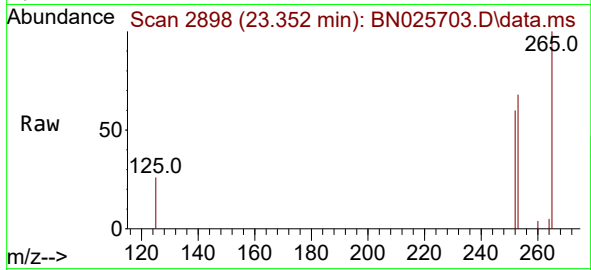
Acq: 29 May 2023 05:20

Instrument :

BNA_N

ClientSampleId :

TT101D2-20230523



Tgt Ion:252 Resp: 1139

Ion Ratio Lower Upper

252 100

253 113.4 26.1 39.1#

125 44.1 12.5 18.7#

