

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011923\
 Data File : BN023720.D
 Acq On : 19 Jan 2023 16:09
 Operator : CG/JU
 Sample : 01221-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-10-0118

Quant Time: Jan 20 04:16:41 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 04:14:02 2023
 Response via : Initial Calibration

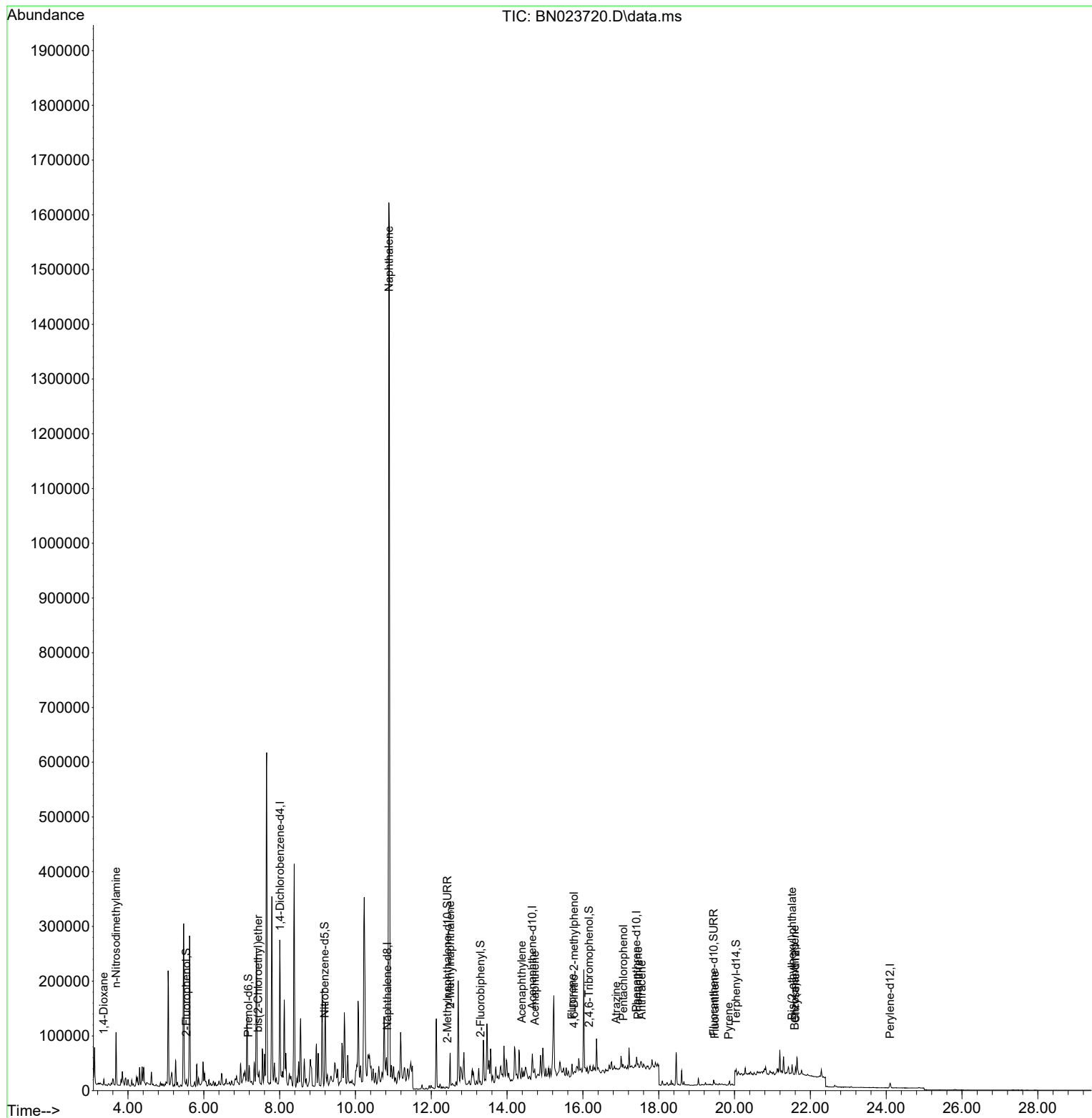
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.013	152	5397	0.400	ng	# 0.02
7) Naphthalene-d8	10.840	136	13375	0.400	ng	# 0.02
13) Acenaphthene-d10	14.666	164	27445	0.400	ng	# 0.02
19) Phenanthrene-d10	17.414	188	15326	0.400	ng	# 0.01
29) Chrysene-d12	21.607	240	12427	0.400	ng	# 0.02
35) Perylene-d12	24.103	264	11900	0.400	ng	0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.536	112	3324	0.293	ng	0.01
5) Phenol-d6	7.176	99	1565	0.116	ng	0.03
8) Nitrobenzene-d5	9.185	82	3235	0.306	ng	0.02
11) 2-Methylnaphthalene-d10	12.424	152	3881	0.210	ng	0.02
14) 2,4,6-Tribromophenol	16.161	330	1272	0.109	ng	0.01
15) 2-Fluorobiphenyl	13.298	172	7009	0.060	ng	0.02
27) Fluoranthene-d10	19.448	212	8985	0.250	ng	0.01
31) Terphenyl-d14	20.040	244	6925	0.353	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.362	88	2432	0.425	ng	# 1
3) n-Nitrosodimethylamine	3.687	42	8464	1.265	ng	# 1
6) bis(2-Chloroethyl)ether	7.436	93	1138	0.082	ng	# 24
9) Naphthalene	10.883	128	2114748	61.103	ng	100
12) 2-Methylnaphthalene	12.499	142	37311	1.533	ng	96
16) Acenaphthylene	14.388	152	2845	0.025	ng	# 68
17) Acenaphthene	14.730	154	7373	0.094	ng	89
18) Fluorene	15.714	166	8041	0.073	ng	# 94
20) 4,6-Dinitro-2-methylph...	15.764	198	253	0.116	ng	# 1
23) Atrazine	16.881	200	441	0.070	ng	# 1
24) Pentachlorophenol	17.067	266	608	0.286	ng	97
25) Phenanthrene	17.452	178	10374	0.233	ng	# 78
26) Anthracene	17.551	178	8594	0.238	ng	# 44
28) Fluoranthene	19.481	202	2121	0.044	ng	# 70
30) Pyrene	19.844	202	2492	0.054	ng	# 94
32) Benzo(a)anthracene	21.589	228	870	0.022	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.518	149	18420	1.045	ng	99

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

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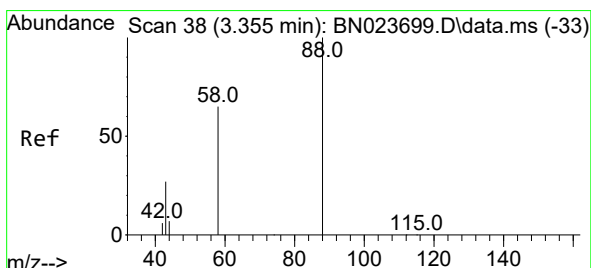
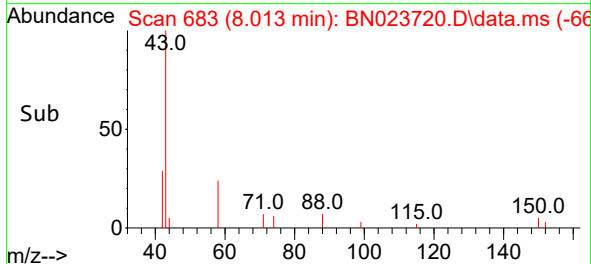
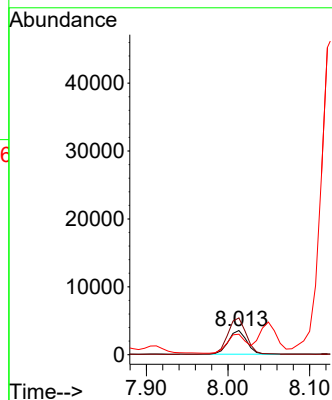
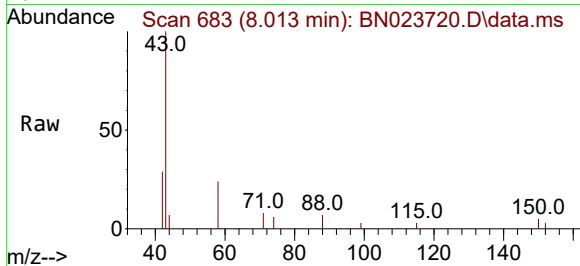




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.013 min Scan# 61
 Delta R.T. 0.021 min
 Lab File: BN023720.D
 Acq: 19 Jan 2023 16:09

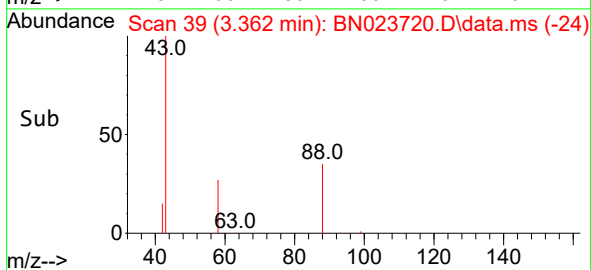
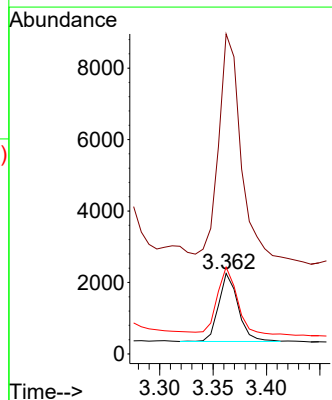
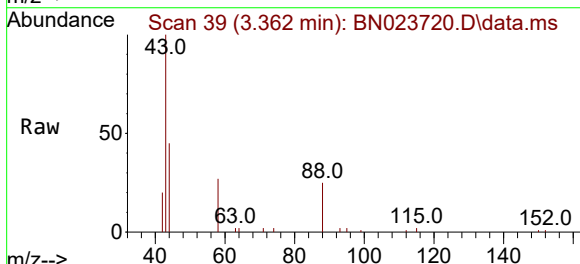
Instrument :
 BNA_N
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 MW-10-0118

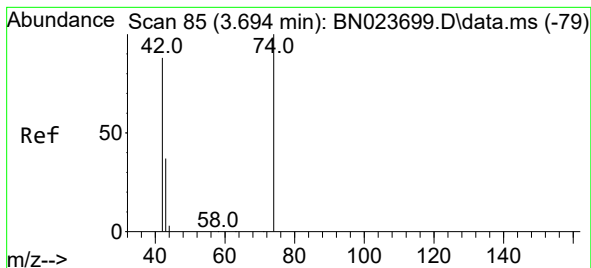
Tgt Ion:152 Resp: 5397
 Ion Ratio Lower Upper
 152 100
 150 152.2 122.4 183.6
 115 84.4 48.2 72.4#



#2
 1,4-Dioxane
 Concen: 0.425 ng
 RT: 3.362 min Scan# 39
 Delta R.T. 0.007 min
 Lab File: BN023720.D
 Acq: 19 Jan 2023 16:09

Tgt Ion: 88 Resp: 2432
 Ion Ratio Lower Upper
 88 100
 43 360.5 26.8 40.2#
 58 98.8 58.5 87.7#





#3

n-Nitrosodimethylamine

Concen: 1.265 ng

RT: 3.687 min Scan# 84

Delta R.T. -0.007 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

MW-10-0118

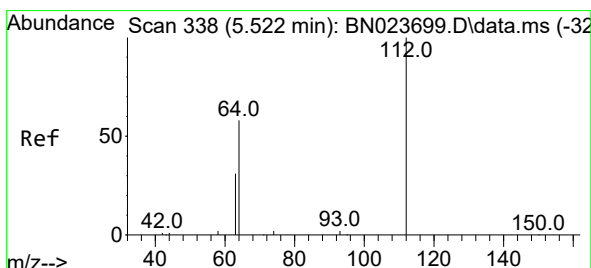
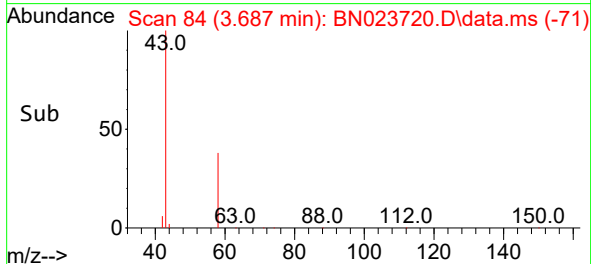
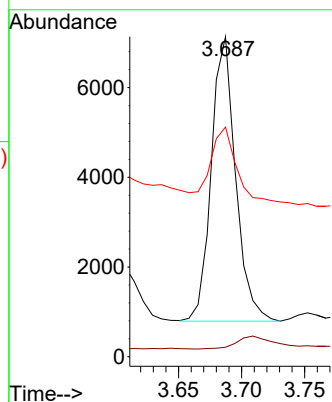
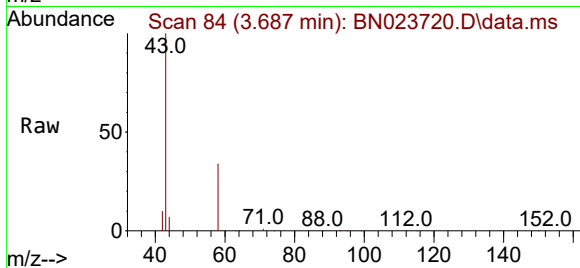
Tgt Ion: 42 Resp: 8464

Ion Ratio Lower Upper

42 100

74 0.0 87.4 131.2#

44 33.1 9.4 14.2#



#4

2-Fluorophenol

Concen: 0.293 ng

RT: 5.536 min Scan# 340

Delta R.T. 0.014 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

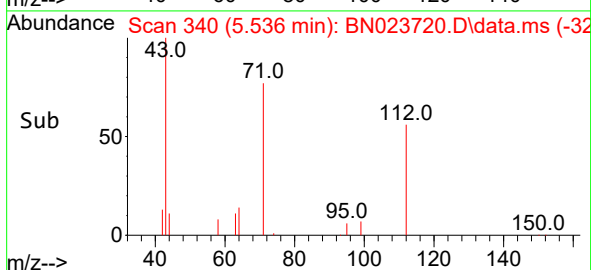
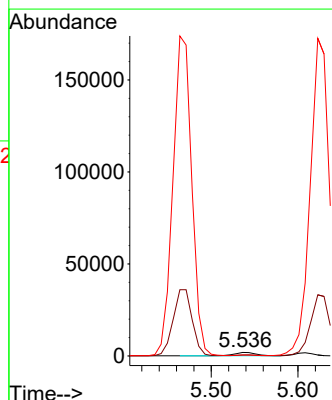
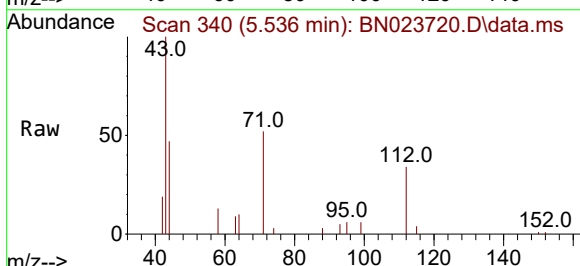
Tgt Ion: 112 Resp: 3324

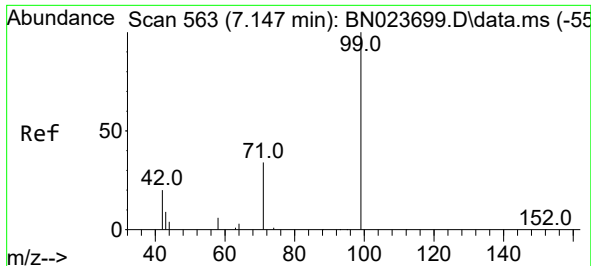
Ion Ratio Lower Upper

112 100

64 0.0 45.8 68.8#

63 0.0 25.3 37.9#

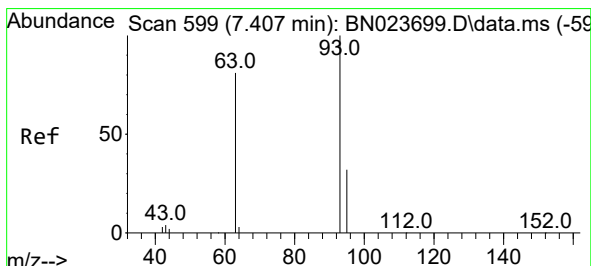
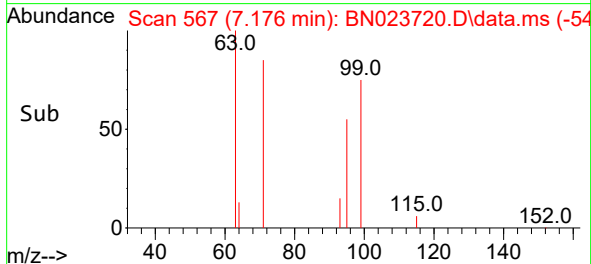
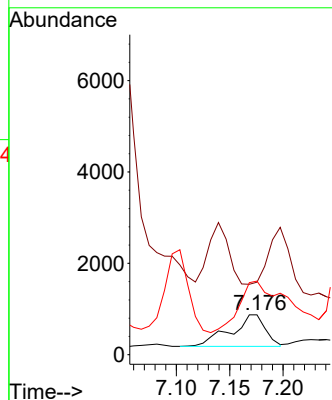
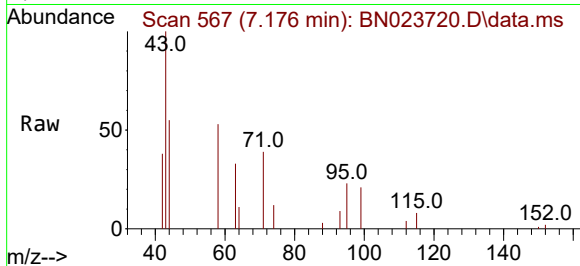




#5
Phenol-d6
Concen: 0.116 ng
RT: 7.176 min Scan# 501
Delta R.T. 0.029 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

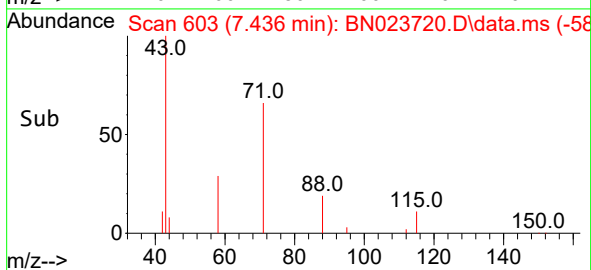
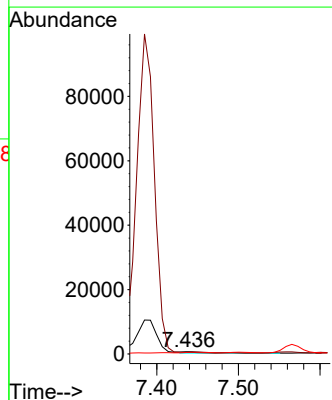
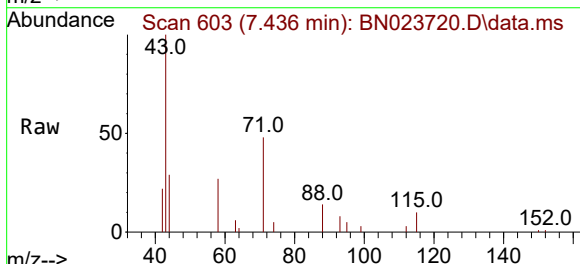
Instrument :
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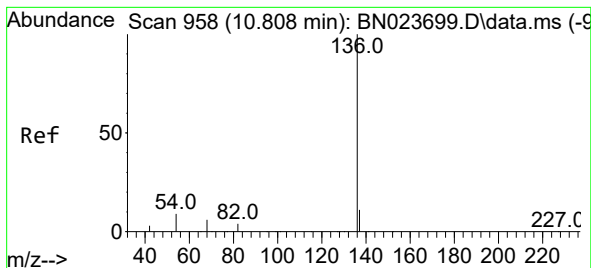
Tgt Ion: 99 Resp: 1565
Ion Ratio Lower Upper
99 100
42 0.0 19.4 29.0#
71 235.9 28.7 43.1#



#6
bis(2-Chloroethyl)ether
Concen: 0.082 ng
RT: 7.436 min Scan# 603
Delta R.T. 0.022 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

Tgt Ion: 93 Resp: 1138
Ion Ratio Lower Upper
93 100
63 0.0 61.8 92.6#
95 56.7 25.9 38.9#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.840 min Scan# 9

Delta R.T. 0.021 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

MW-10-0118

Tgt Ion:136 Resp: 13375

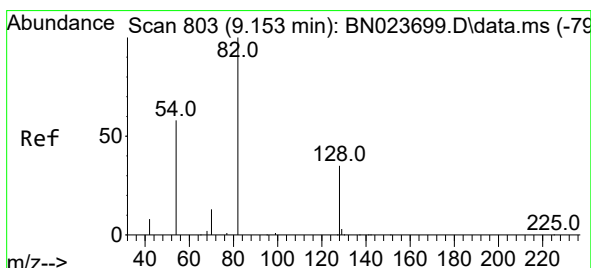
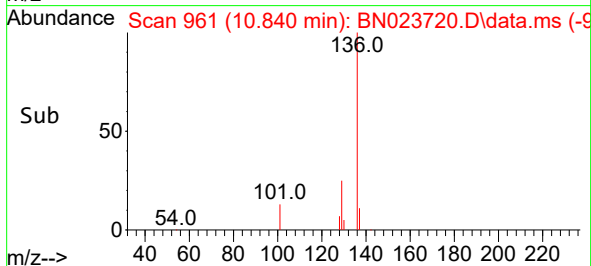
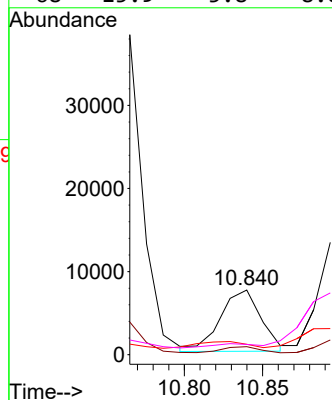
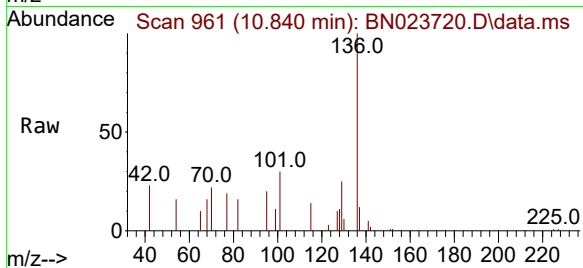
Ion Ratio Lower Upper

136 100

137 12.5 9.2 13.8

54 16.1 7.5 11.3#

68 15.9 5.8 8.8#



#8

Nitrobenzene-d5

Concen: 0.306 ng

RT: 9.185 min Scan# 806

Delta R.T. 0.021 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

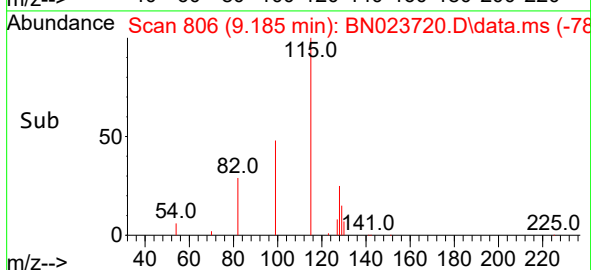
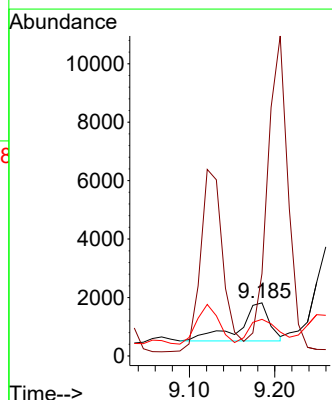
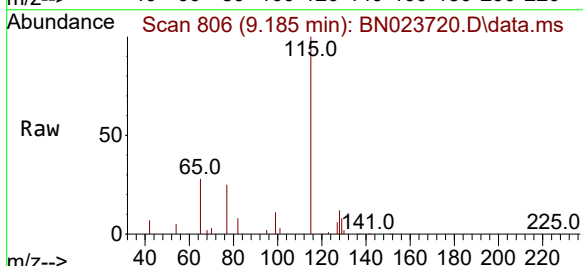
Tgt Ion: 82 Resp: 3235

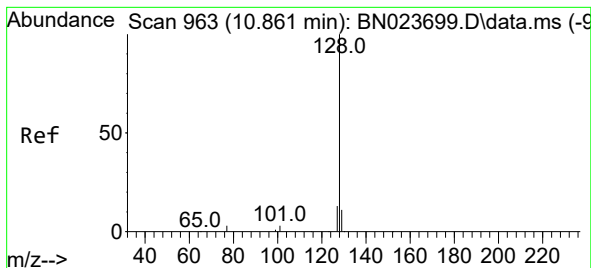
Ion Ratio Lower Upper

82 100

128 154.8 30.2 45.2#

54 69.1 47.3 70.9





#9

Naphthalene

Concen: 61.103 ng

RT: 10.883 min Scan# 9

Delta R.T. 0.021 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

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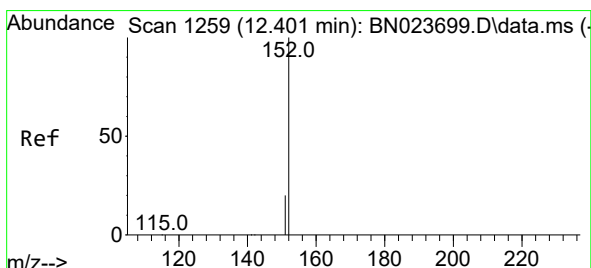
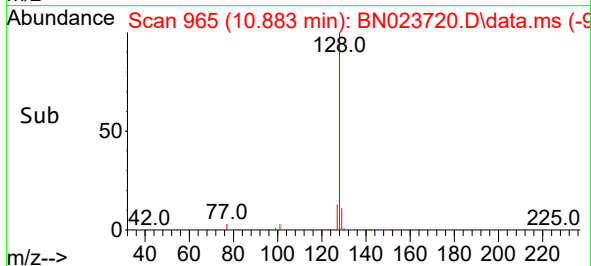
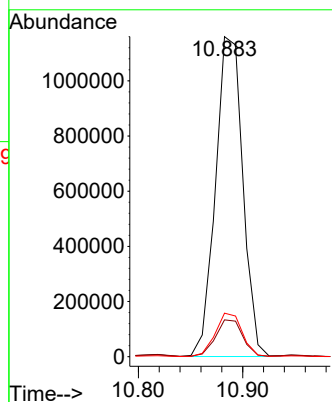
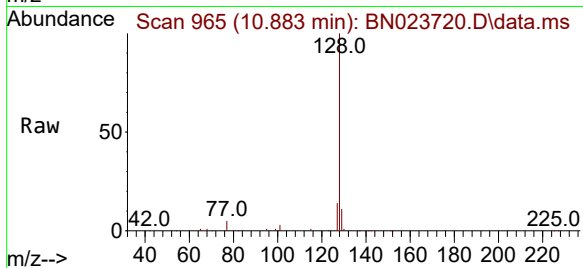
Tgt Ion:128 Resp: 2114748

Ion Ratio Lower Upper

128 100

129 11.5 9.2 13.8

127 13.6 10.9 16.3



#11

2-Methylnaphthalene-d10

Concen: 0.210 ng

RT: 12.424 min Scan# 1265

Delta R.T. 0.019 min

Lab File: BN023720.D

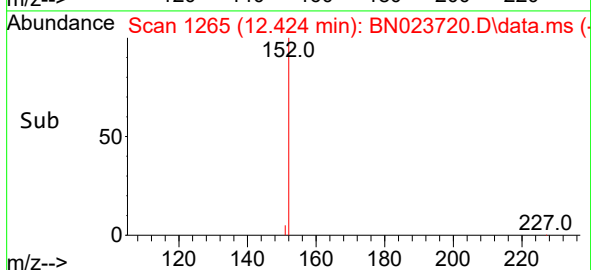
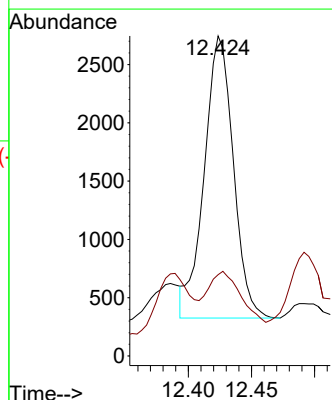
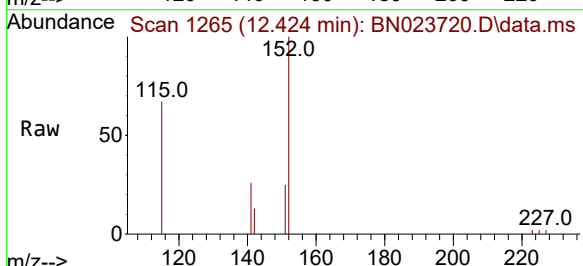
Acq: 19 Jan 2023 16:09

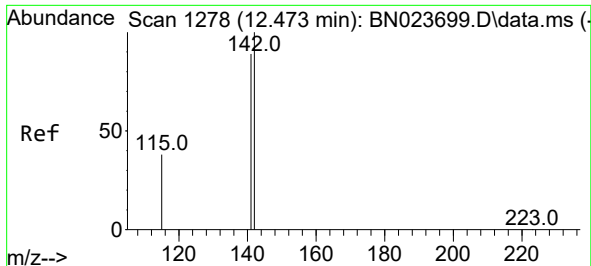
Tgt Ion:152 Resp: 3881

Ion Ratio Lower Upper

152 100

151 19.4 17.1 25.7

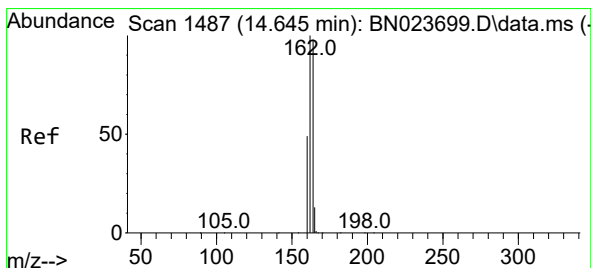
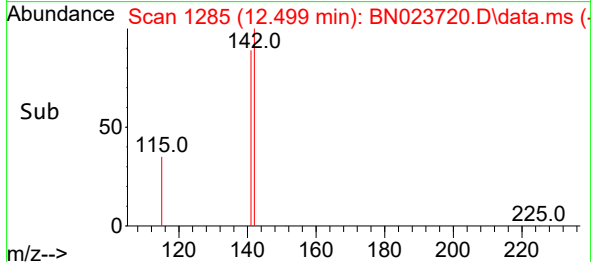
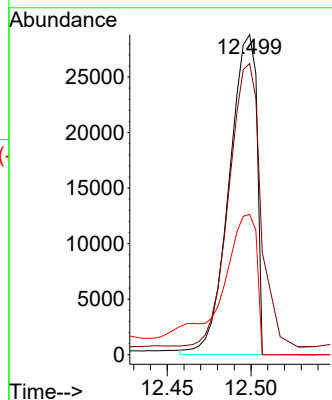
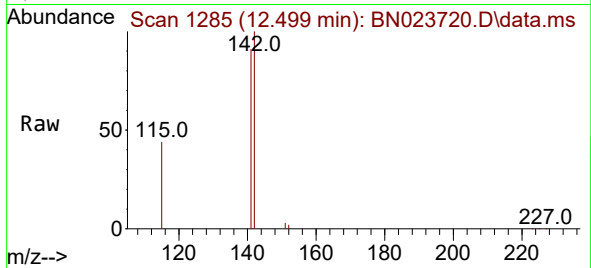




#12
2-Methylnaphthalene
Concen: 1.533 ng
RT: 12.499 min Scan# 11
Delta R.T. 0.019 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

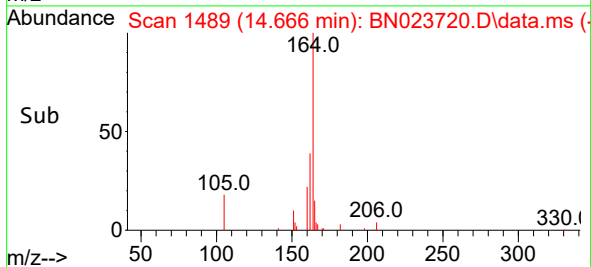
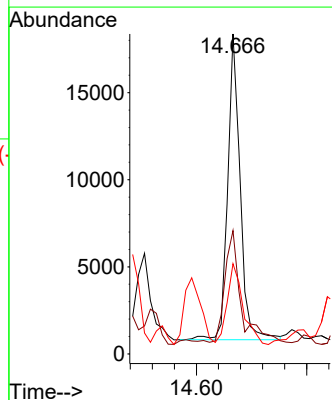
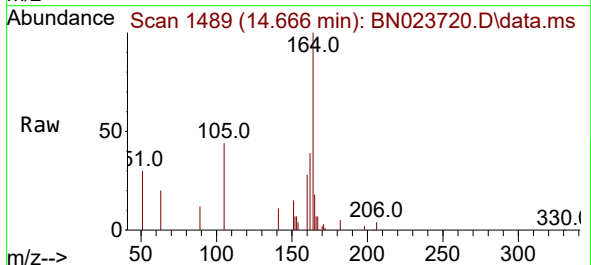
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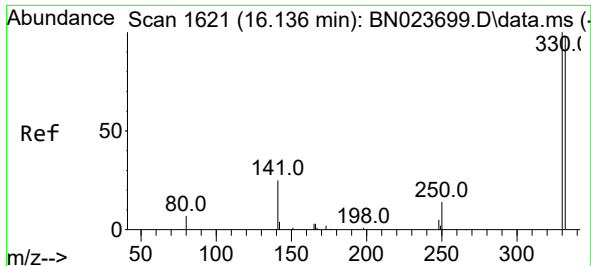
Tgt Ion:142 Resp: 37311
Ion Ratio Lower Upper
142 100
141 91.0 71.4 107.0
115 43.9 31.2 46.8



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.666 min Scan# 1489
Delta R.T. 0.021 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

Tgt Ion:164 Resp: 27445
Ion Ratio Lower Upper
164 100
162 38.6 81.8 122.6#
160 28.2 40.3 60.5#

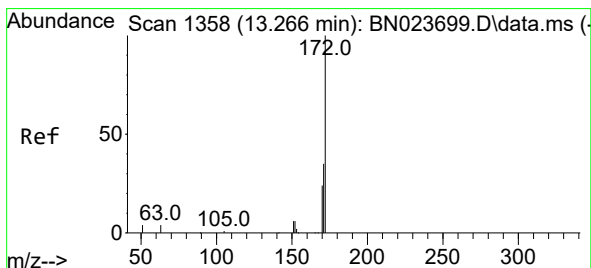
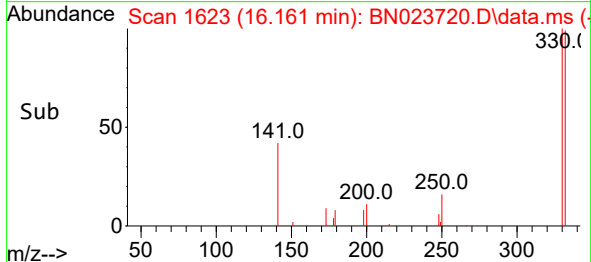
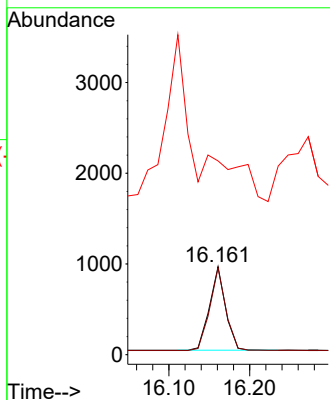
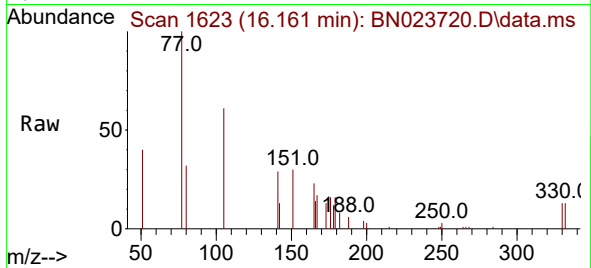




#14
2,4,6-Tribromophenol
Concen: 0.109 ng
RT: 16.161 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

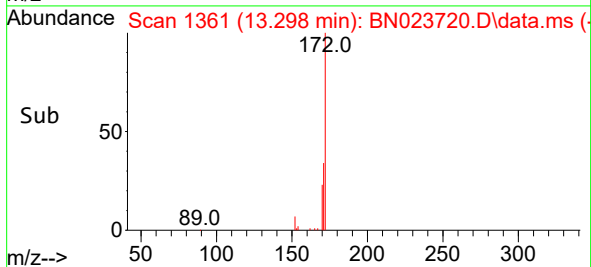
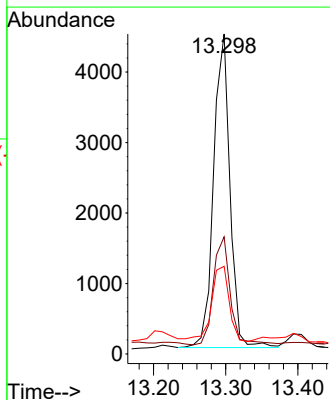
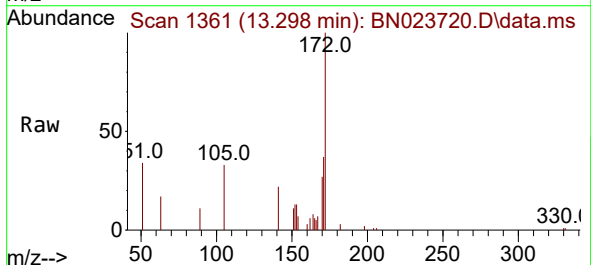
Instrument :
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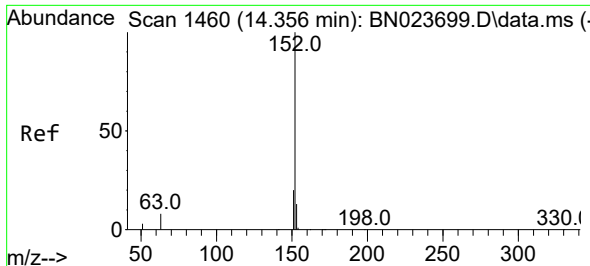
Tgt Ion:330 Resp: 1272
Ion Ratio Lower Upper
330 100
332 98.8 77.6 116.4
141 0.0 35.0 52.4#



#15
2-Fluorobiphenyl
Concen: 0.060 ng
RT: 13.298 min Scan# 1361
Delta R.T. 0.021 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

Tgt Ion:172 Resp: 7009
Ion Ratio Lower Upper
172 100
171 36.6 28.6 42.8
170 27.4 20.0 30.0

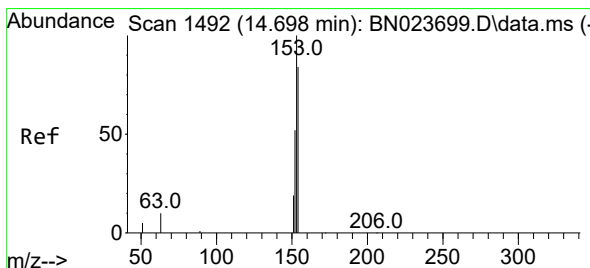
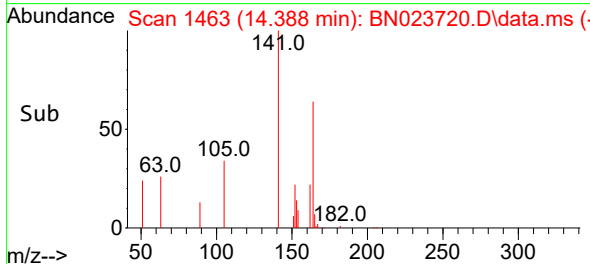
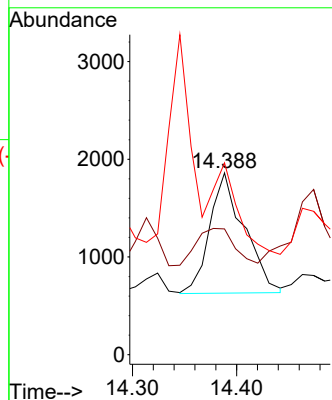
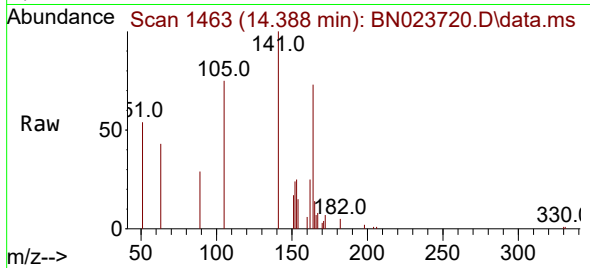




#16
Acenaphthylene
Concen: 0.025 ng
RT: 14.388 min Scan# 1463
Delta R.T. 0.021 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

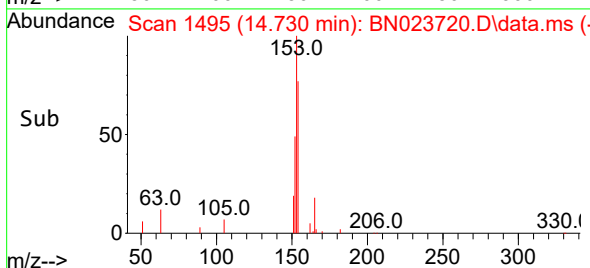
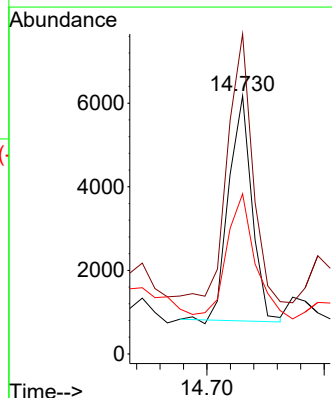
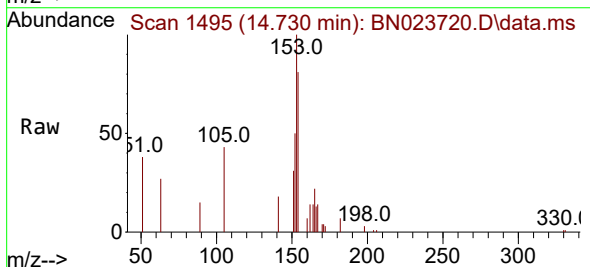
Instrument :
BNA_N
ClientSampleId :
MW-10-0118

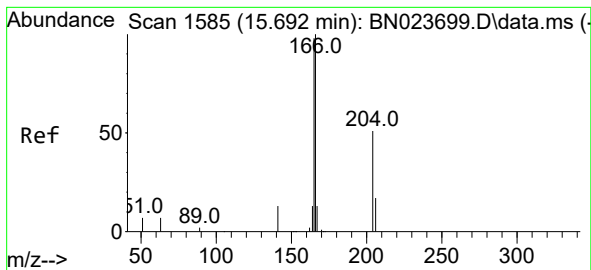
Tgt Ion:152 Resp: 2845
Ion Ratio Lower Upper
152 100
151 34.2 15.7 23.5#
153 0.0 10.4 15.6#



#17
Acenaphthene
Concen: 0.094 ng
RT: 14.730 min Scan# 1495
Delta R.T. 0.021 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

Tgt Ion:154 Resp: 7373
Ion Ratio Lower Upper
154 100
153 129.0 93.3 139.9
152 68.7 48.1 72.1





#18

Fluorene

Concen: 0.073 ng

RT: 15.714 min Scan# 1587

Delta R.T. 0.021 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

MW-10-0118

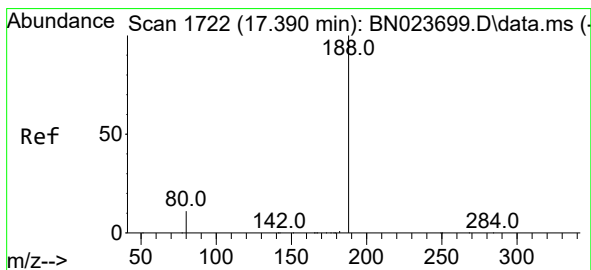
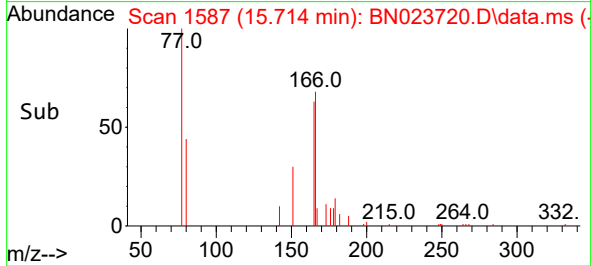
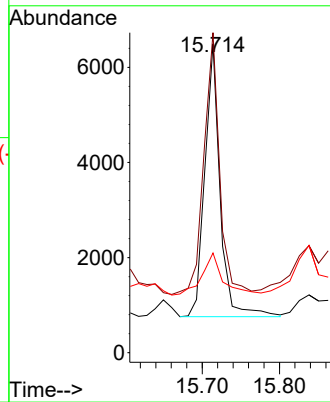
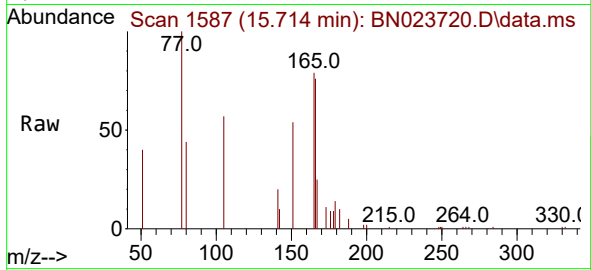
Tgt Ion:166 Resp: 8041

Ion Ratio Lower Upper

166 100

165 96.8 80.6 121.0

167 21.5 10.8 16.2#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.414 min Scan# 1724

Delta R.T. 0.012 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

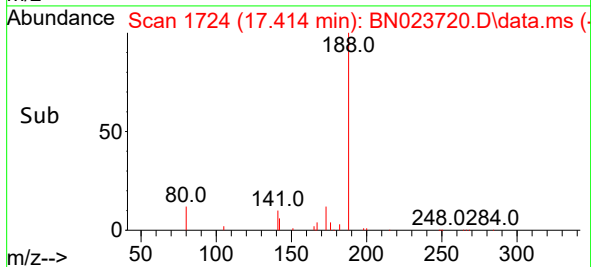
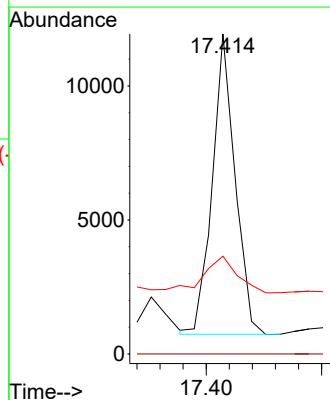
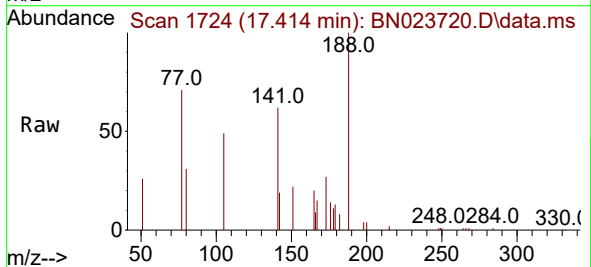
Tgt Ion:188 Resp: 15326

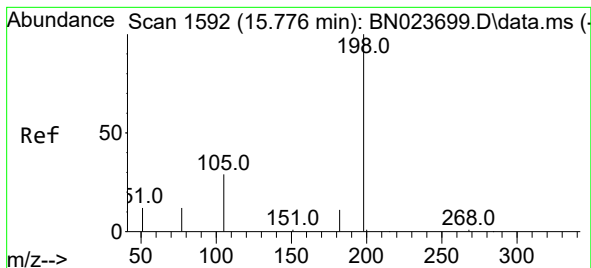
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 30.5 9.5 14.3#

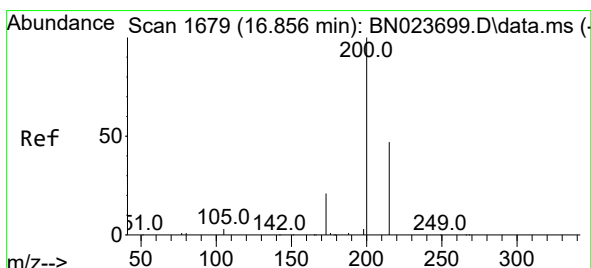
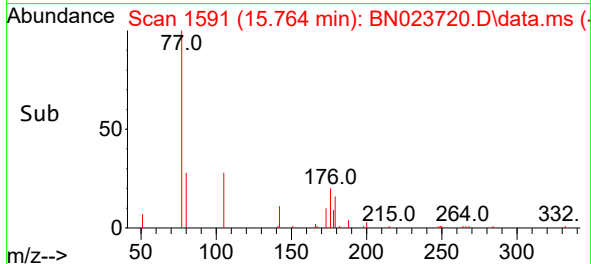
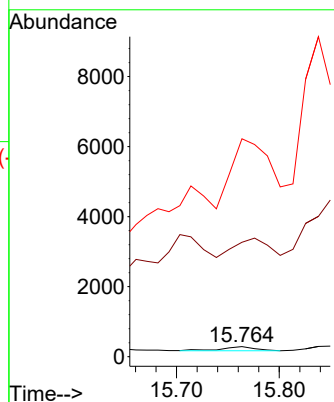
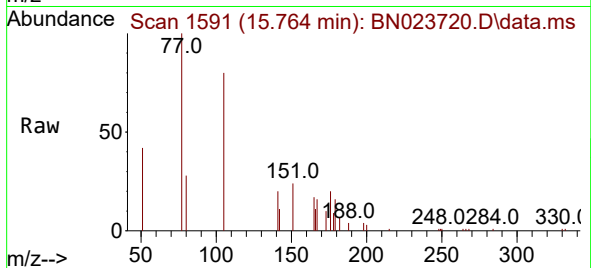




#20
4,6-Dinitro-2-methylphenol
Concen: 0.116 ng
RT: 15.764 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

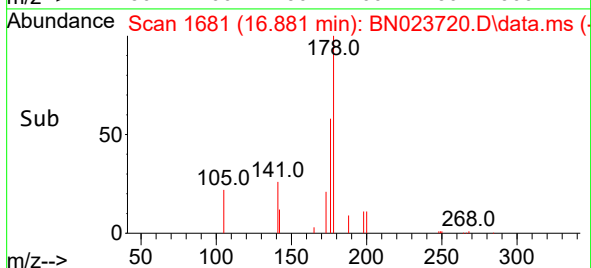
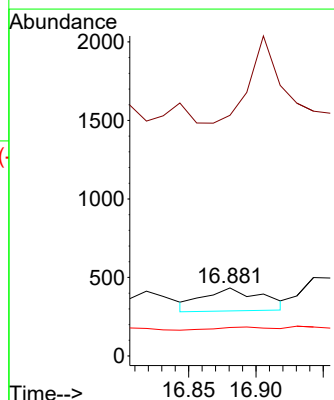
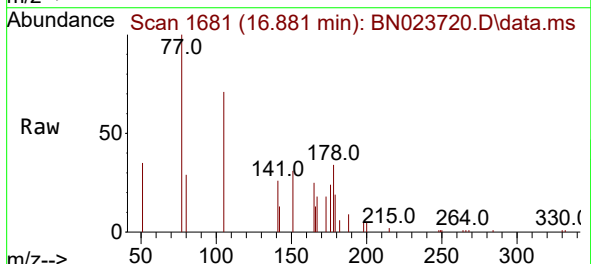
Instrument :
BNA_N
ClientSampleId :
MW-10-0118

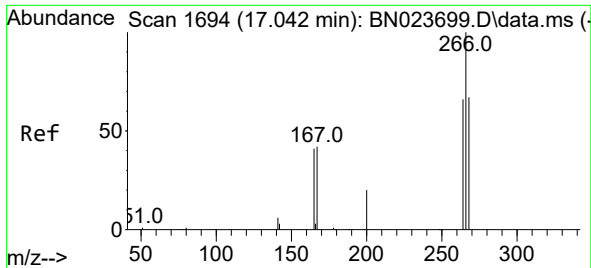
Tgt Ion:198 Resp: 253
Ion Ratio Lower Upper
198 100
51 1127.6 54.3 81.5#
105 2146.2 38.6 58.0#



#23
Atrazine
Concen: 0.070 ng
RT: 16.881 min Scan# 1681
Delta R.T. 0.025 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

Tgt Ion:200 Resp: 441
Ion Ratio Lower Upper
200 100
173 354.0 19.0 28.4#
215 42.0 39.2 58.8

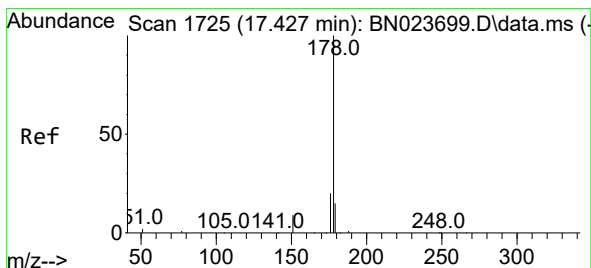
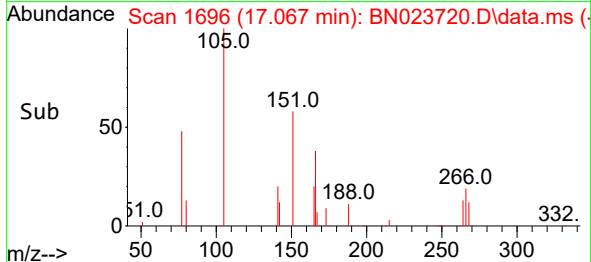
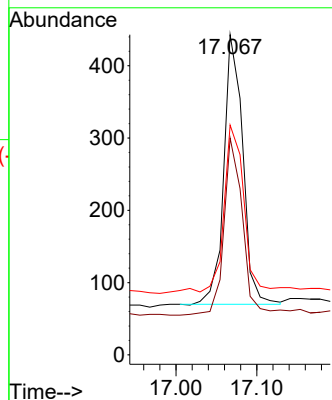
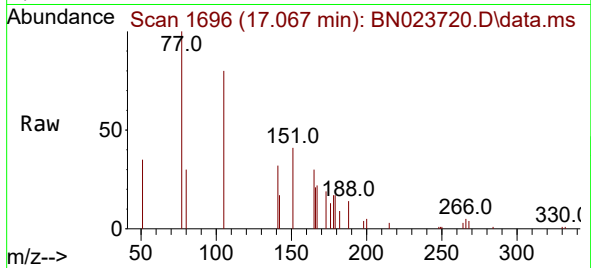




#24
Pentachlorophenol
Concen: 0.286 ng
RT: 17.067 min Scan# 1696
Delta R.T. 0.012 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

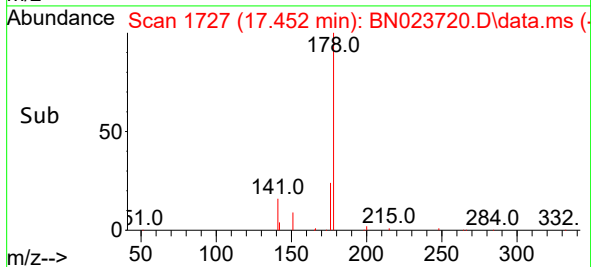
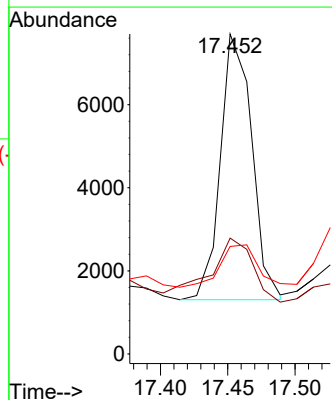
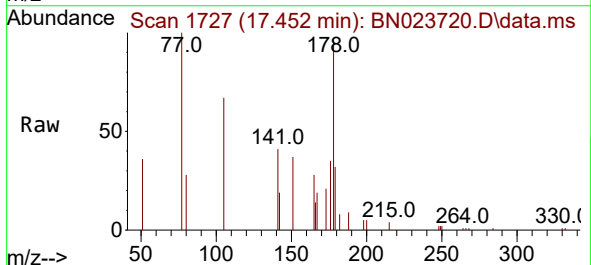
Instrument :
BNA_N
ClientSampleId :
MW-10-0118

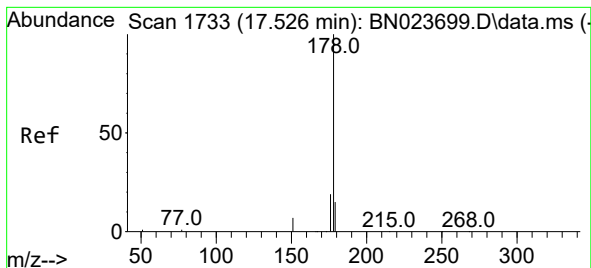
Tgt Ion:266 Resp: 608
Ion Ratio Lower Upper
266 100
264 66.4 51.4 77.2
268 68.4 52.3 78.5



#25
Phenanthrene
Concen: 0.233 ng
RT: 17.452 min Scan# 1727
Delta R.T. 0.012 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

Tgt Ion:178 Resp: 10374
Ion Ratio Lower Upper
178 100
176 33.9 15.5 23.3#
179 19.6 12.2 18.4#





#26

Anthracene

Concen: 0.238 ng

RT: 17.551 min Scan# 1113

Delta R.T. 0.025 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

MW-10-0118

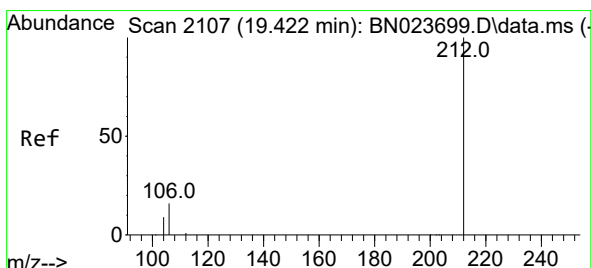
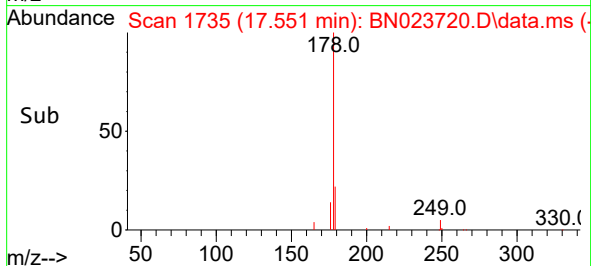
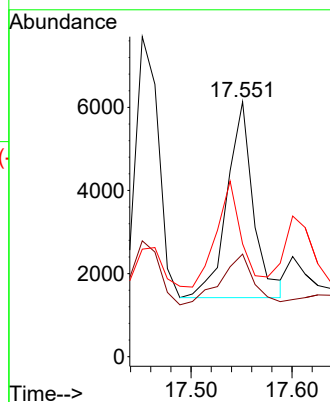
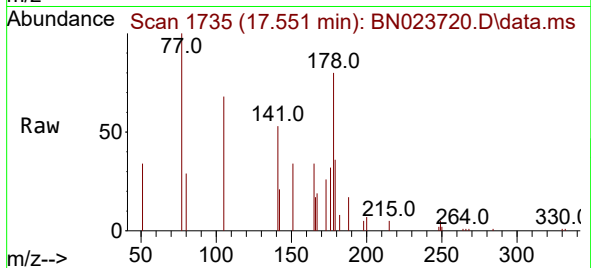
Tgt Ion:178 Resp: 8594

Ion Ratio Lower Upper

178 100

176 32.7 15.2 22.8#

179 51.8 12.0 18.0#



#27

Fluoranthene-d10

Concen: 0.250 ng

RT: 19.448 min Scan# 2113

Delta R.T. 0.013 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

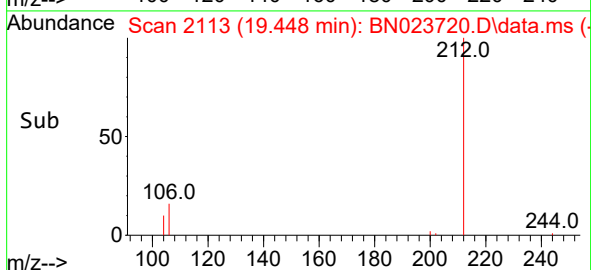
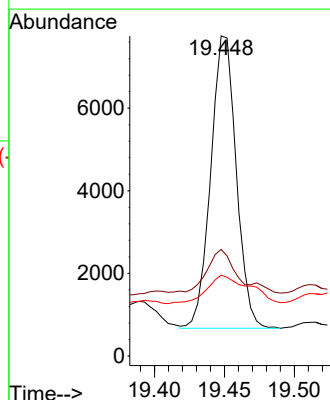
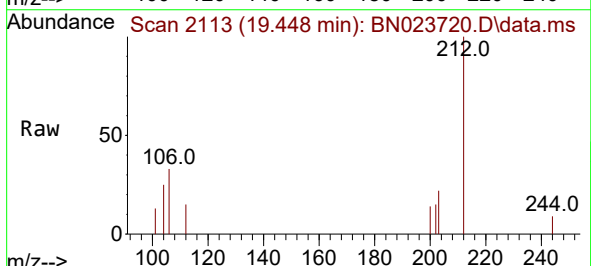
Tgt Ion:212 Resp: 8985

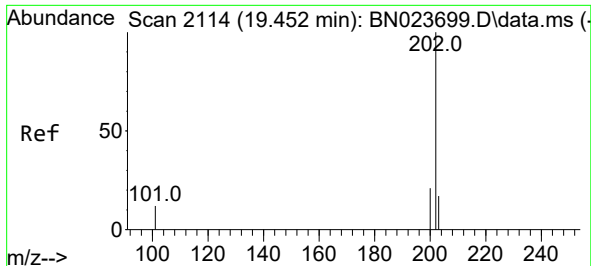
Ion Ratio Lower Upper

212 100

106 20.0 12.4 18.6#

104 16.1 7.1 10.7#

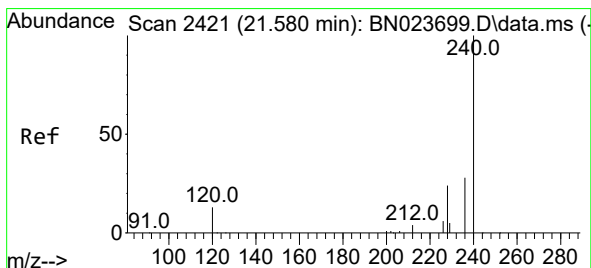
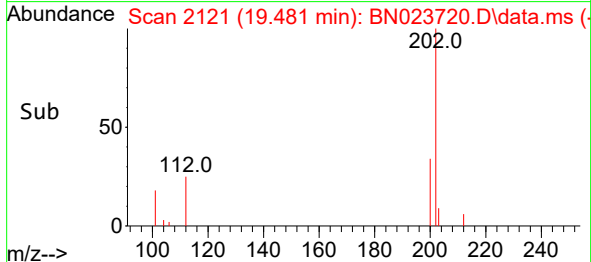
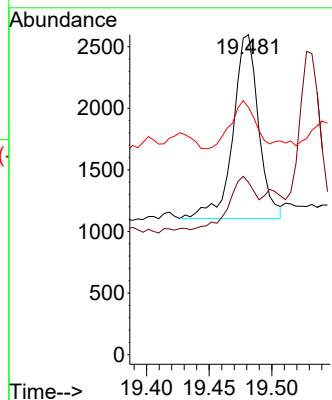
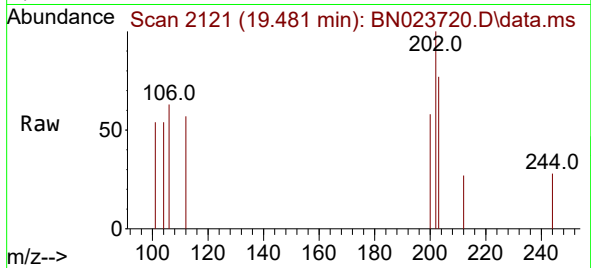




#28
Fluoranthene
Concen: 0.044 ng
RT: 19.481 min Scan# 2114
Delta R.T. 0.017 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

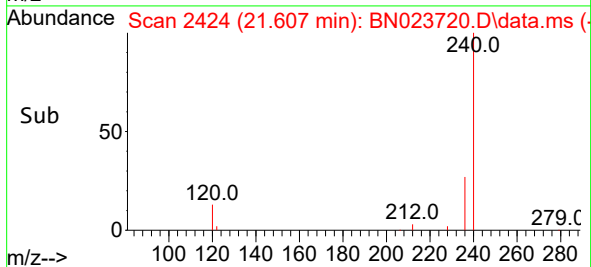
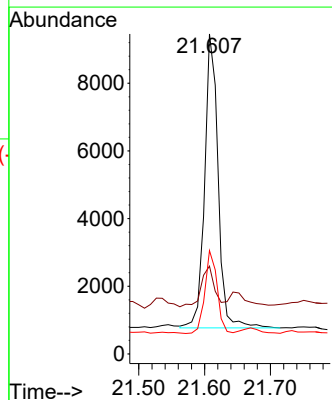
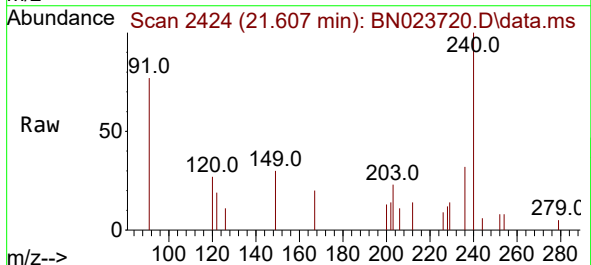
Instrument :
BNA_N
ClientSampleId :
MW-10-0118

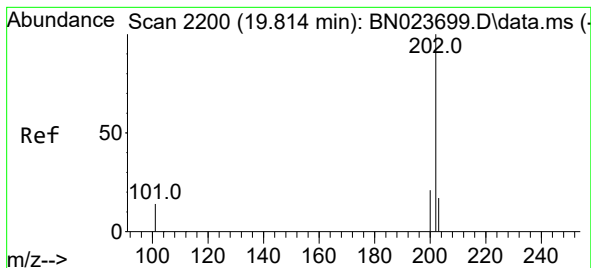
Tgt Ion:202 Resp: 2121
Ion Ratio Lower Upper
202 100
101 29.9 9.7 14.5#
203 24.9 13.6 20.4#



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.607 min Scan# 2424
Delta R.T. 0.018 min
Lab File: BN023720.D
Acq: 19 Jan 2023 16:09

Tgt Ion:240 Resp: 12427
Ion Ratio Lower Upper
240 100
120 27.5 12.0 18.0#
236 32.3 22.8 34.2





#30

Pyrene

Concen: 0.054 ng

RT: 19.844 min Scan# 21

Delta R.T. 0.017 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

MW-10-0118

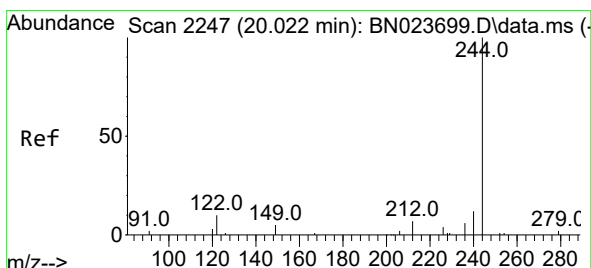
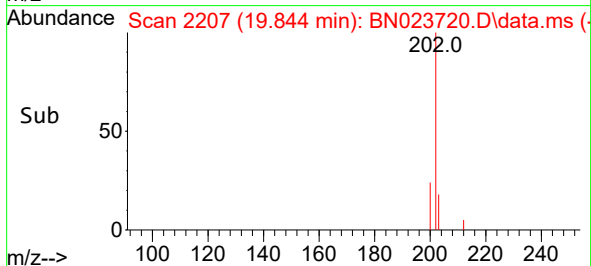
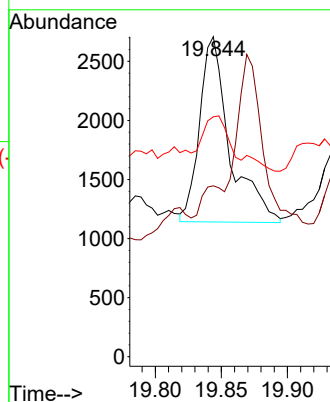
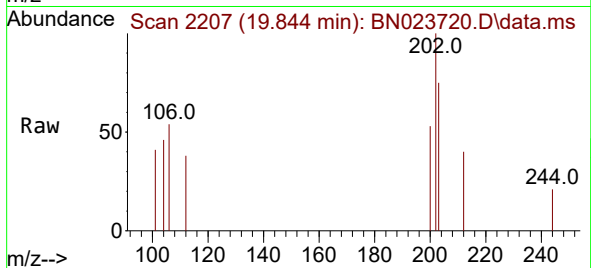
Tgt Ion:202 Resp: 2492

Ion Ratio Lower Upper

202 100

200 16.5 16.9 25.3#

203 18.3 14.4 21.6



#31

Terphenyl-d14

Concen: 0.353 ng

RT: 20.040 min Scan# 2249

Delta R.T. 0.009 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

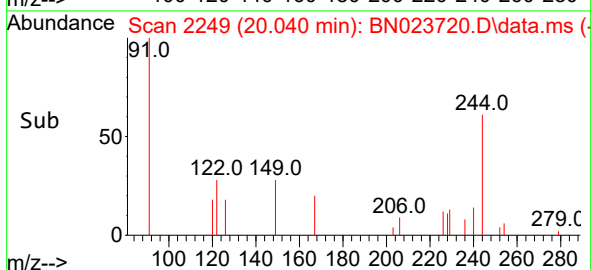
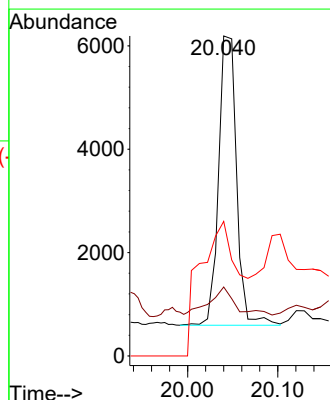
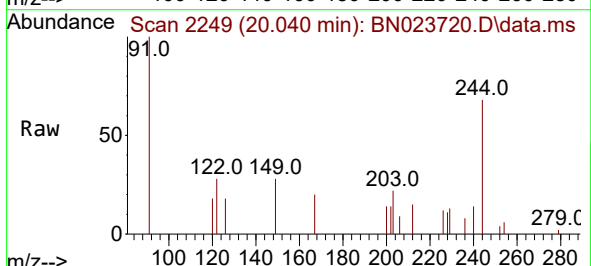
Tgt Ion:244 Resp: 6925

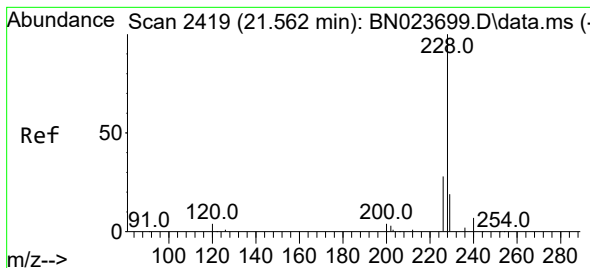
Ion Ratio Lower Upper

244 100

212 21.5 6.5 9.7#

122 42.1 7.6 11.4#





#32

Benzo(a)anthracene

Concen: 0.022 ng

RT: 21.589 min Scan# 2419

Delta R.T. 0.009 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

MW-10-0118

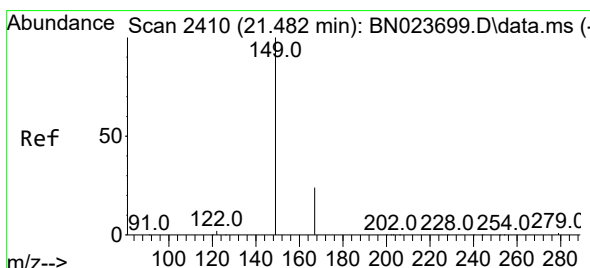
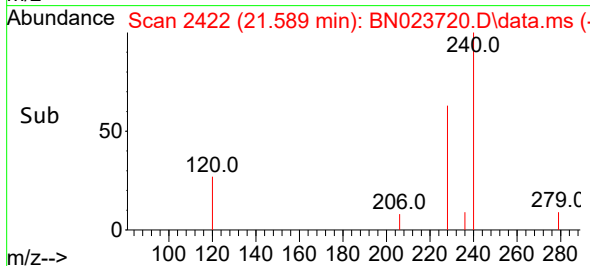
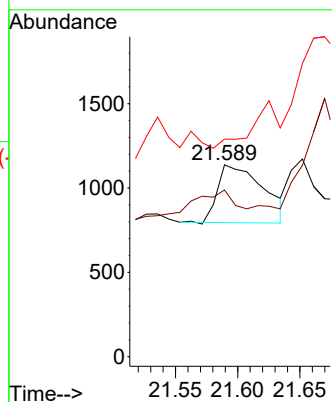
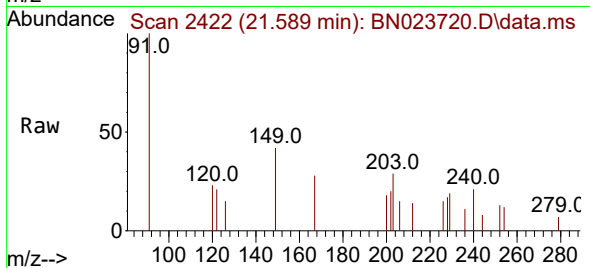
Tgt Ion:228 Resp: 870

Ion Ratio Lower Upper

228 100

226 86.9 22.4 33.6#

229 113.5 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.045 ng

RT: 21.518 min Scan# 2414

Delta R.T. 0.018 min

Lab File: BN023720.D

Acq: 19 Jan 2023 16:09

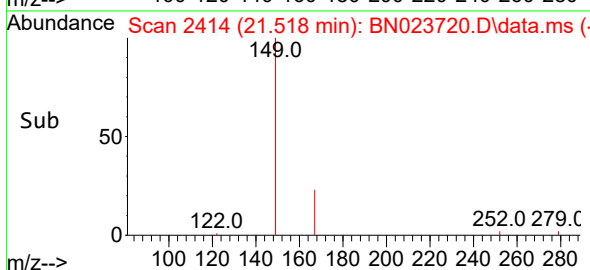
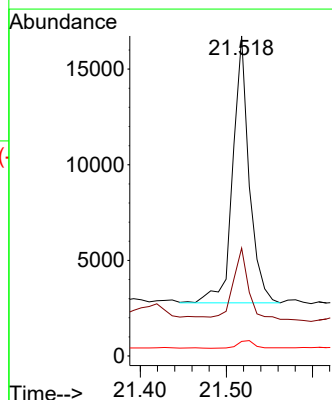
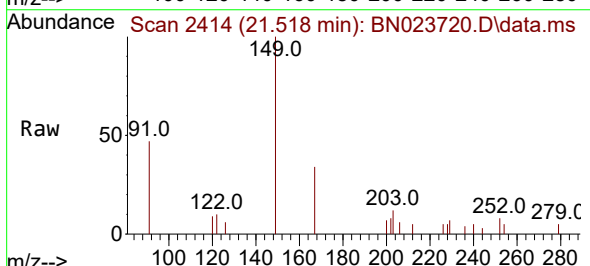
Tgt Ion:149 Resp: 18420

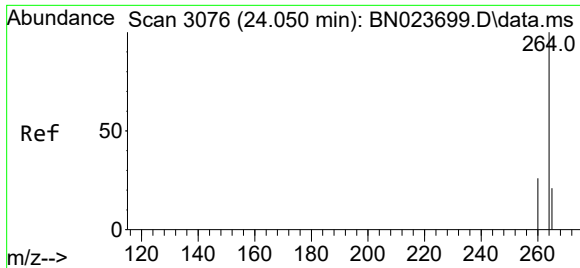
Ion Ratio Lower Upper

149 100

167 25.2 19.8 29.8

279 3.0 2.5 3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.103 min Scan# 30

Delta R.T. 0.029 min

Lab File: BN023720.D

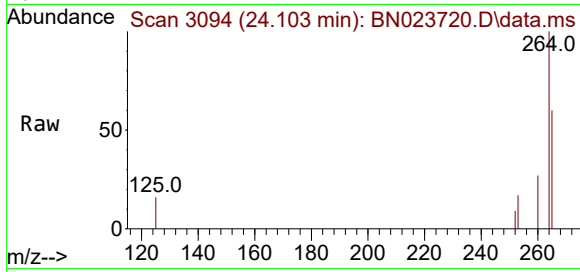
Acq: 19 Jan 2023 16:09

Instrument :

BNA_N

ClientSampleId :

MW-10-0118



Tgt Ion:264 Resp: 11900

Ion Ratio Lower Upper

264 100

260 27.4 21.0 31.6

265 60.0 49.9 74.9

