

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082923\
 Data File : BN027261.D
 Acq On : 30 Aug 2023 04:29
 Operator : MA/JU
 Sample : 04128-17
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW305I-20230822

Quant Time: Aug 30 18:12:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN082923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 05:37:30 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

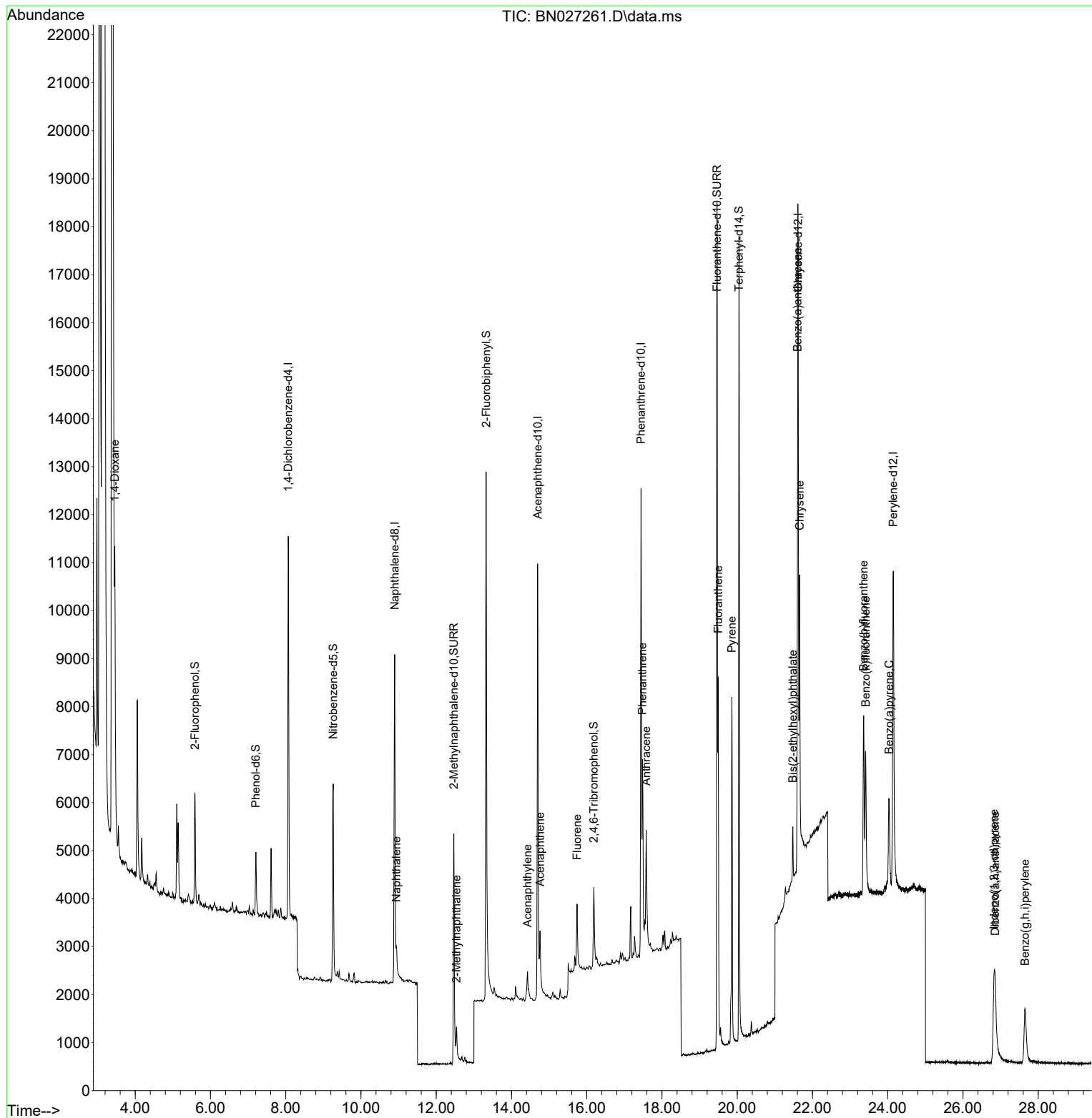
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.066	152	4115	0.400	ng	0.00
7) Naphthalene-d8	10.895	136	11014	0.400	ng	0.00
13) Acenaphthene-d10	14.694	164	6602	0.400	ng	0.00
19) Phenanthrene-d10	17.443	188	15197	0.400	ng	0.00
29) Chrysene-d12	21.614	240	13264	0.400	ng	# 0.00
35) Perylene-d12	24.148	264	12325	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.589	112	2148	0.200	ng	0.00
5) Phenol-d6	7.207	99	1457	0.112	ng	0.00
8) Nitrobenzene-d5	9.262	82	4046	0.504	ng	0.00
11) 2-Methylnaphthalene-d10	12.468	152	8033	0.497	ng	0.00
14) 2,4,6-Tribromophenol	16.189	330	1225	0.501	ng	0.00
15) 2-Fluorobiphenyl	13.325	172	12339	0.492	ng	0.00
27) Fluoranthene-d10	19.462	212	21182	0.561	ng	0.00
31) Terphenyl-d14	20.048	244	16494	0.619	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.458	88	3212	0.639	ng	89
9) Naphthalene	10.938	128	650	0.022	ng	# 64
12) 2-Methylnaphthalene	12.540	142	465	0.022	ng	# 79
16) Acenaphthylene	14.427	152	808	0.027	ng	# 91
17) Acenaphthene	14.758	154	566	0.028	ng	89
18) Fluorene	15.742	166	1456	0.054	ng	96
25) Phenanthrene	17.480	178	4550	0.102	ng	98
26) Anthracene	17.579	178	3285	0.087	ng	98
28) Fluoranthene	19.495	202	6930	0.132	ng	99
30) Pyrene	19.857	202	6822	0.129	ng	100
32) Benzo(a)anthracene	21.605	228	5184	0.114	ng	96
33) Chrysene	21.659	228	5346	0.107	ng	97
34) Bis(2-ethylhexyl)phtha...	21.480	149	1329	0.061	ng	92
36) Indeno(1,2,3-cd)pyrene	26.826	276	4213	0.084	ng	# 83
37) Benzo(b)fluoranthene	23.361	252	5673	0.119	ng	# 71
38) Benzo(k)fluoranthene	23.414	252	4579	0.093	ng	# 67
39) Benzo(a)pyrene	24.034	252	3797	0.085	ng	# 53
40) Dibenzo(a,h)anthracene	26.858	278	3031	0.077	ng	# 70
41) Benzo(g,h,i)perylene	27.650	276	3345	0.074	ng	# 83

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

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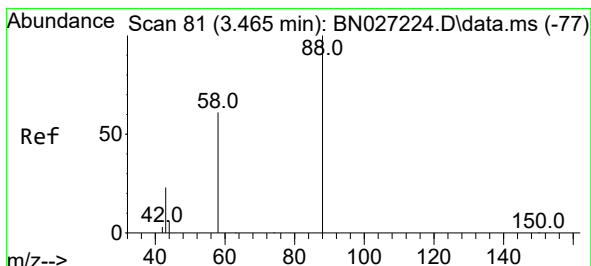
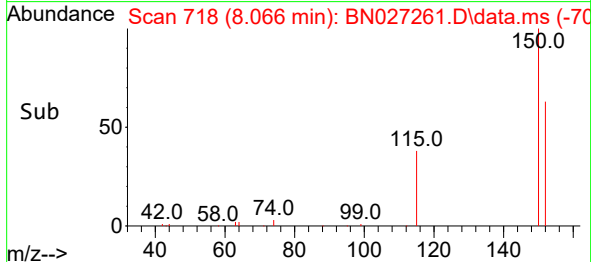
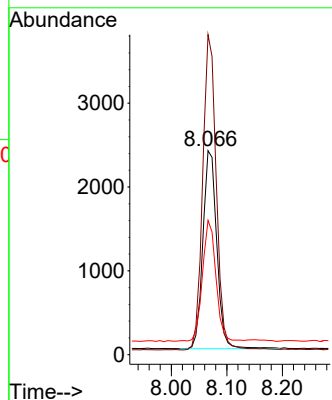
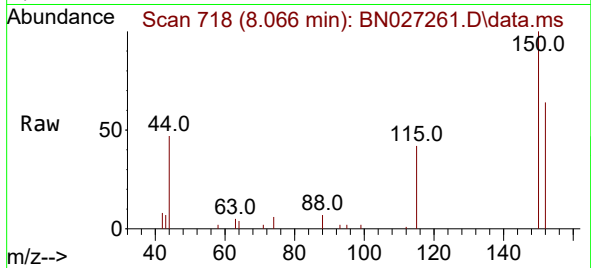




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.066 min Scan# 71
 Delta R.T. -0.007 min
 Lab File: BN027261.D
 Acq: 30 Aug 2023 04:29

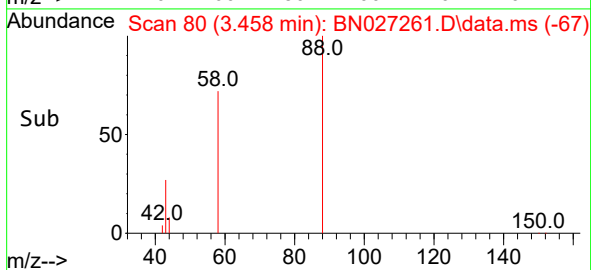
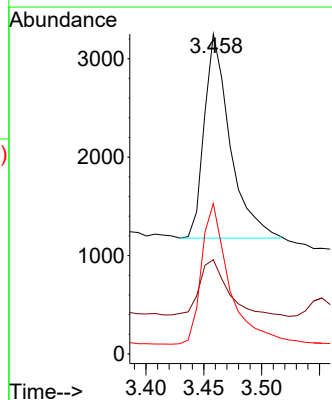
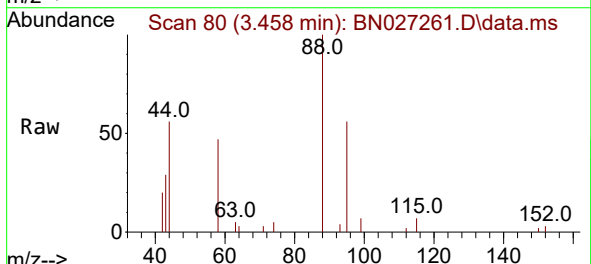
Instrument :
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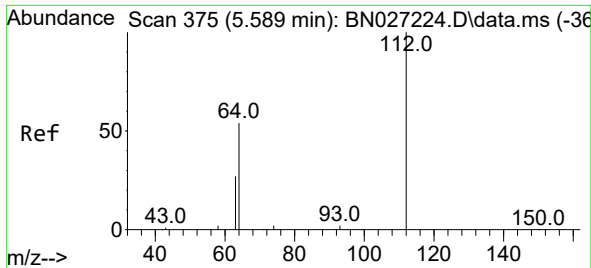
Tgt Ion:152 Resp: 4115
 Ion Ratio Lower Upper
 152 100
 150 156.9 122.7 184.1
 115 65.8 48.6 73.0



#2
 1,4-Dioxane
 Concen: 0.639 ng
 RT: 3.458 min Scan# 80
 Delta R.T. -0.007 min
 Lab File: BN027261.D
 Acq: 30 Aug 2023 04:29

Tgt Ion: 88 Resp: 3212
 Ion Ratio Lower Upper
 88 100
 43 28.6 19.1 28.7
 58 74.3 52.2 78.2





#4

2-Fluorophenol

Concen: 0.200 ng

RT: 5.589 min Scan# 31

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822

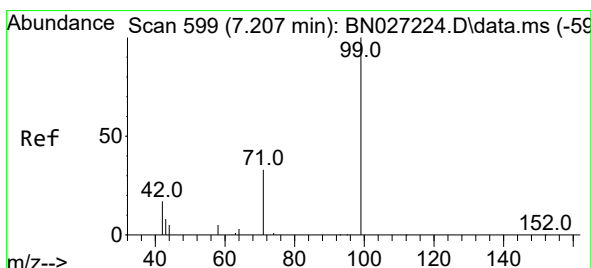
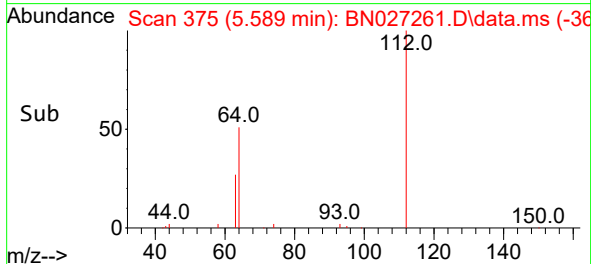
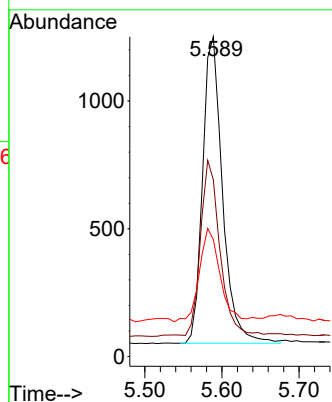
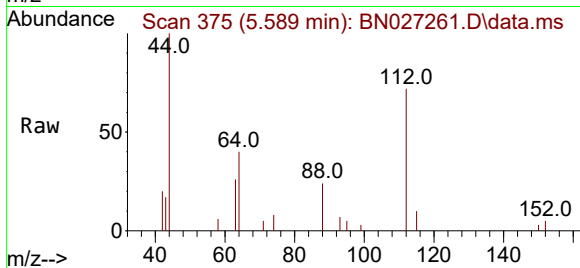
Tgt Ion:112 Resp: 2148

Ion Ratio Lower Upper

112 100

64 57.9 44.4 66.6

63 31.3 23.1 34.7



#5

Phenol-d6

Concen: 0.112 ng

RT: 7.207 min Scan# 599

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

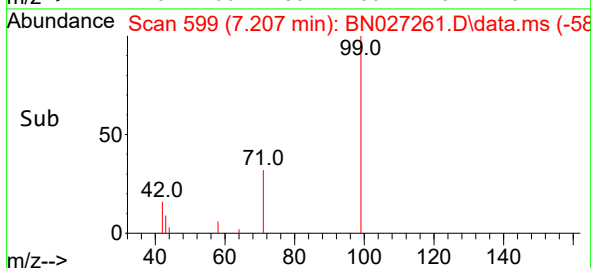
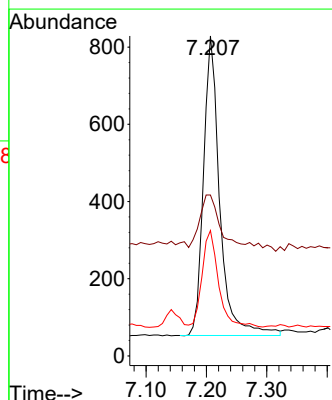
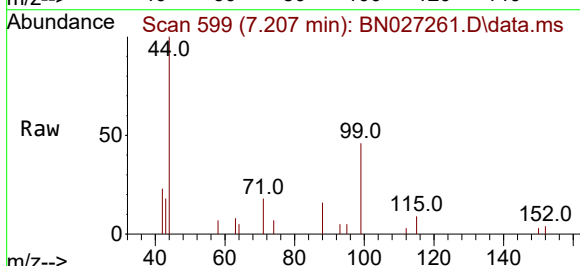
Tgt Ion: 99 Resp: 1457

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

71 32.3 25.8 38.6

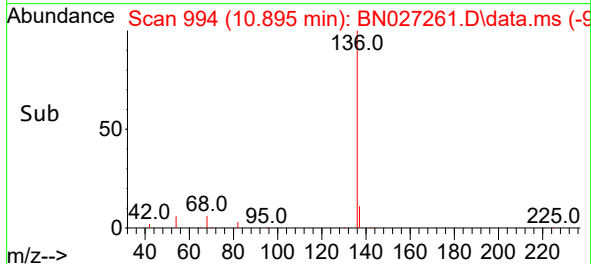
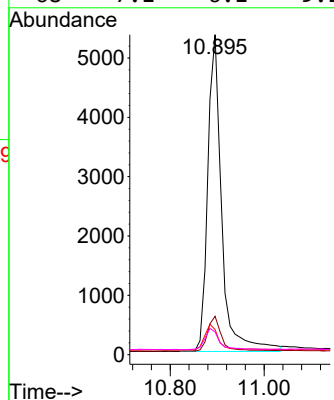
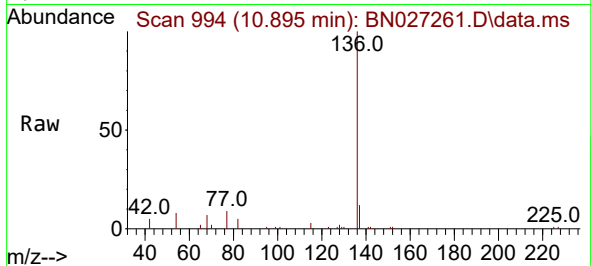




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.895 min Scan# 994
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

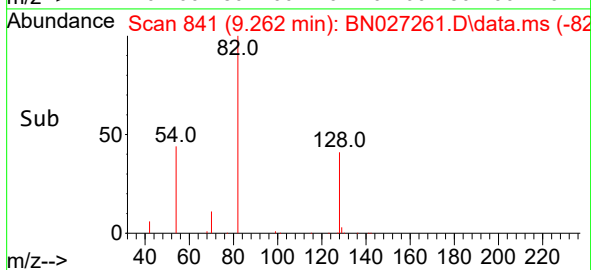
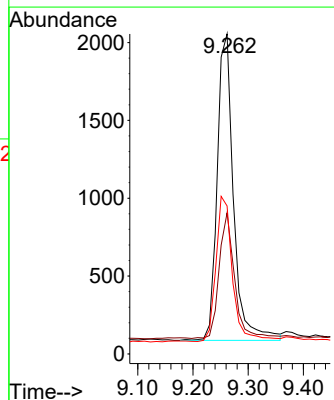
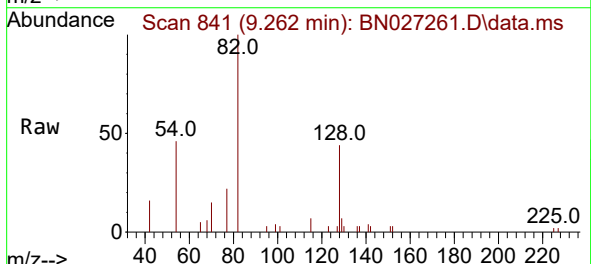
Instrument :
BNA_N
ClientSampleId :
MW305I-20230822

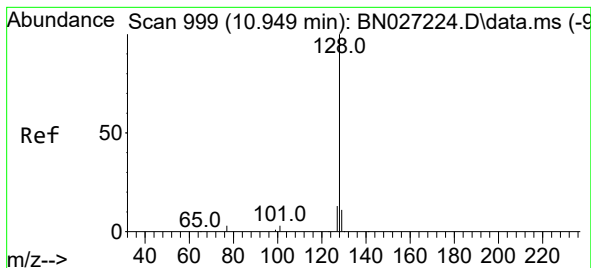
Tgt Ion:	136	Resp:	11014
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.3	13.9
54	7.8	6.7	10.1
68	7.1	6.1	9.1



#8
Nitrobenzene-d5
Concen: 0.504 ng
RT: 9.262 min Scan# 841
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Tgt Ion:	82	Resp:	4046
Ion	Ratio	Lower	Upper
82	100		
128	44.1	33.4	50.0
54	46.2	37.7	56.5





#9

Naphthalene

Concen: 0.022 ng

RT: 10.938 min Scan# 99

Delta R.T. -0.011 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822

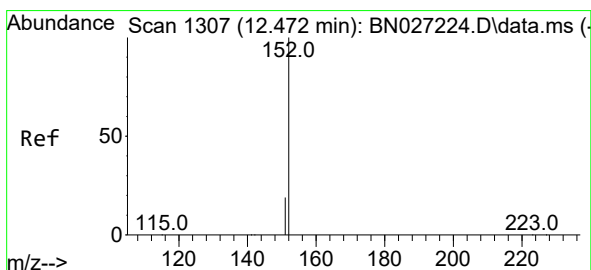
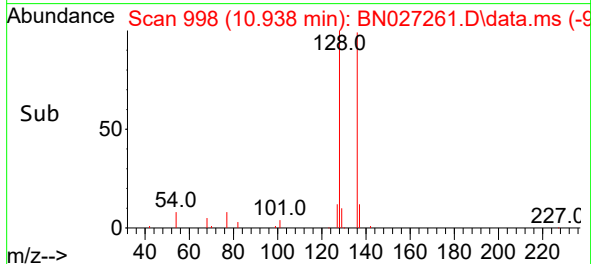
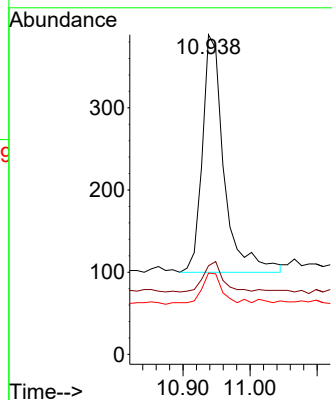
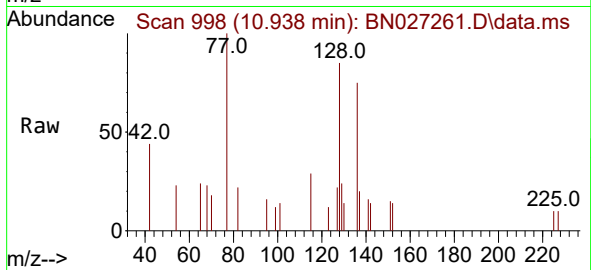
Tgt Ion:128 Resp: 650

Ion Ratio Lower Upper

128 100

129 27.8 9.4 14.0#

127 25.4 10.6 15.8#



#11

2-Methylnaphthalene-d10

Concen: 0.497 ng

RT: 12.468 min Scan# 1306

Delta R.T. -0.004 min

Lab File: BN027261.D

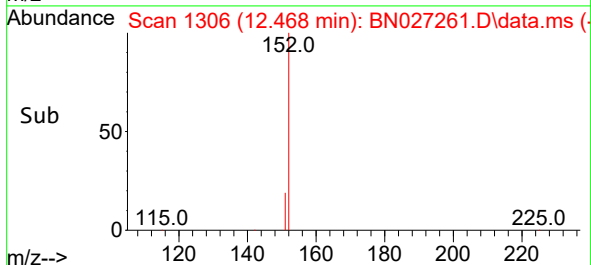
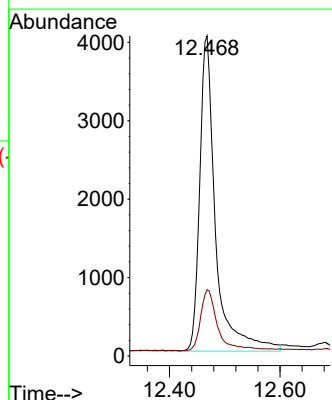
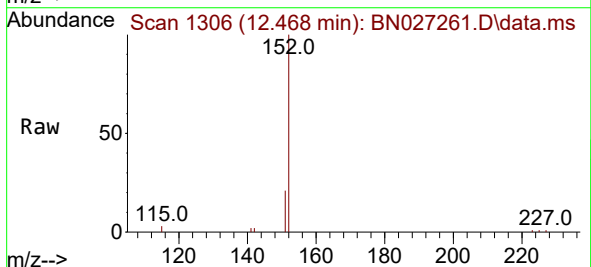
Acq: 30 Aug 2023 04:29

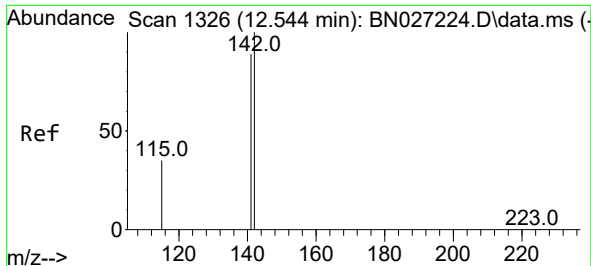
Tgt Ion:152 Resp: 8033

Ion Ratio Lower Upper

152 100

151 21.0 16.6 25.0

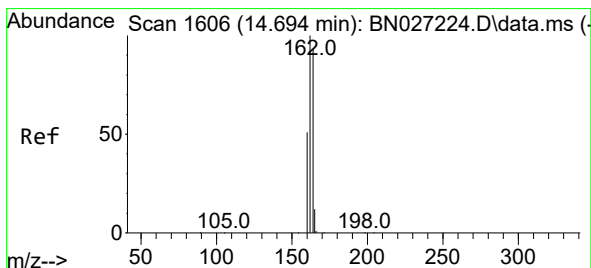
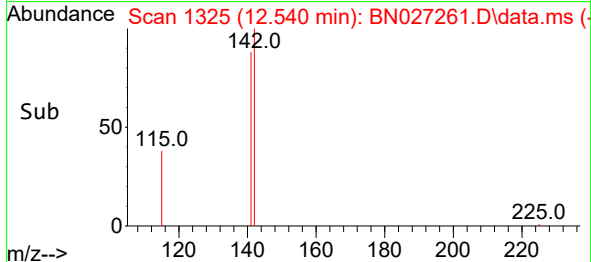
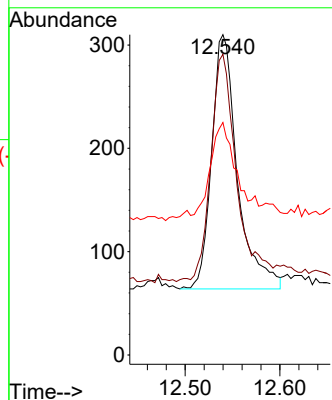
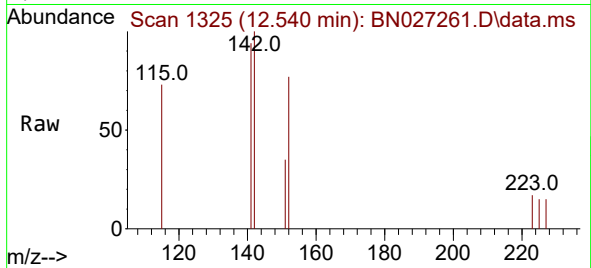




#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.540 min Scan# 11
Delta R.T. -0.004 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

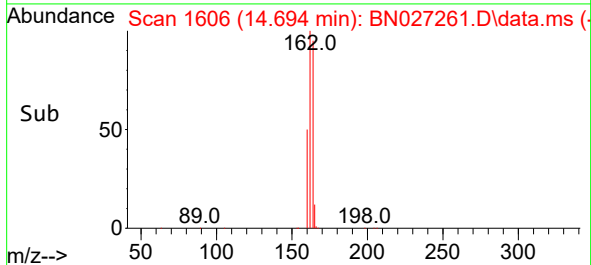
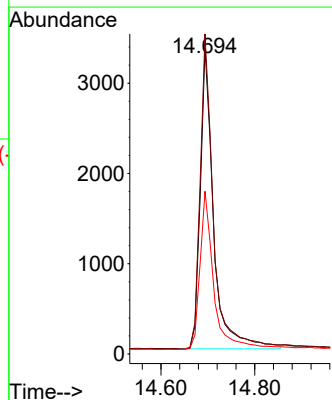
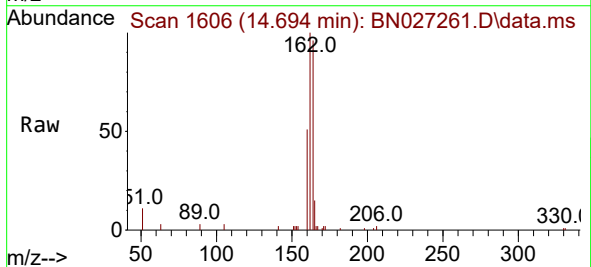
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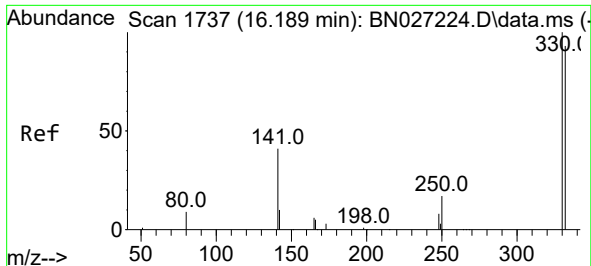
Tgt Ion:142 Resp: 465
Ion Ratio Lower Upper
142 100
141 93.9 71.1 106.7
115 72.6 29.6 44.4#



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.694 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Tgt Ion:164 Resp: 6602
Ion Ratio Lower Upper
164 100
162 104.6 85.8 128.8
160 53.2 44.2 66.2

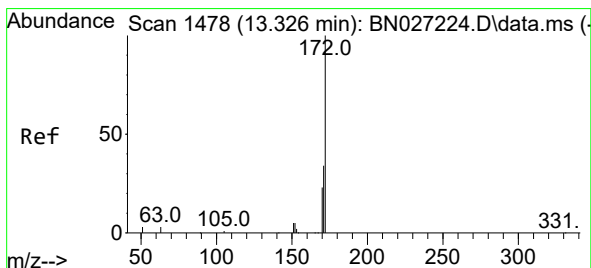
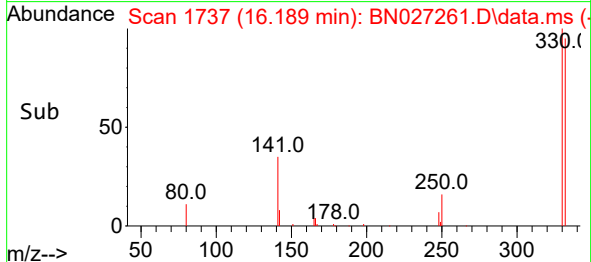
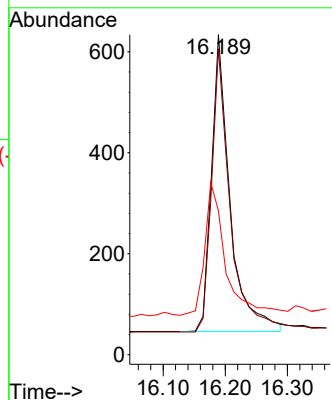
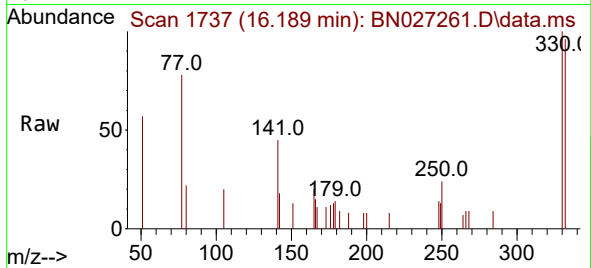




#14
2,4,6-Tribromophenol
Concen: 0.501 ng
RT: 16.189 min Scan# 1737
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

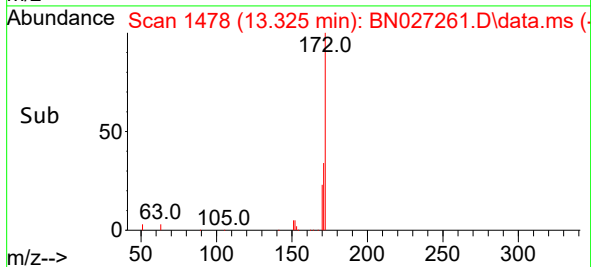
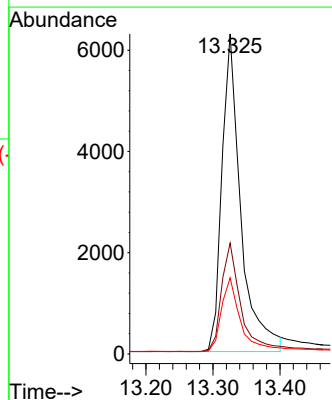
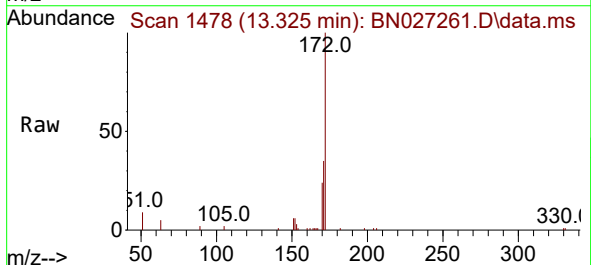
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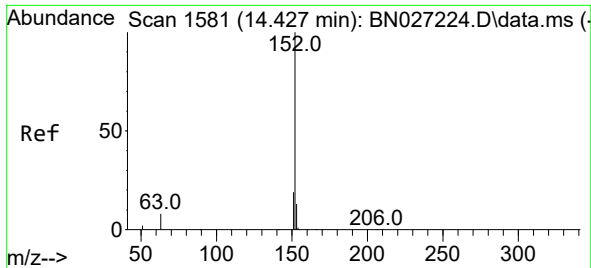
Tgt Ion:330 Resp: 1225
Ion Ratio Lower Upper
330 100
332 95.0 75.2 112.8
141 49.5 36.2 54.4



#15
2-Fluorobiphenyl
Concen: 0.492 ng
RT: 13.325 min Scan# 1478
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Tgt Ion:172 Resp: 12339
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.8
170 23.8 19.3 28.9

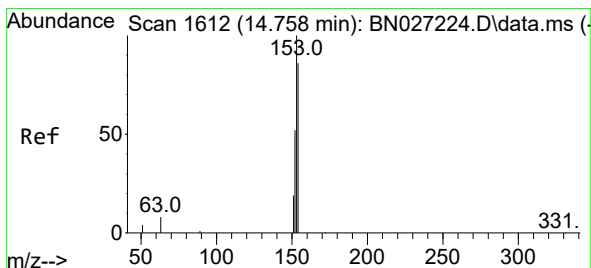
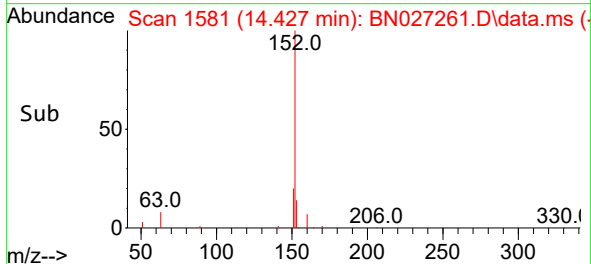
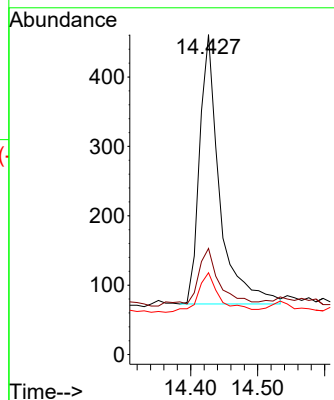
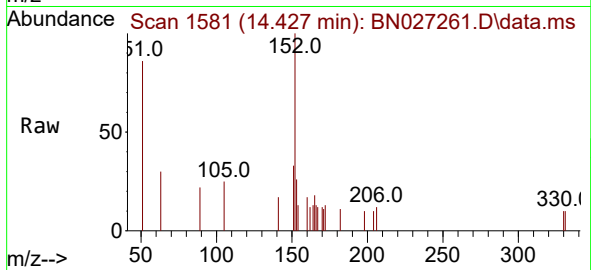




#16
Acenaphthylene
Concen: 0.027 ng
RT: 14.427 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

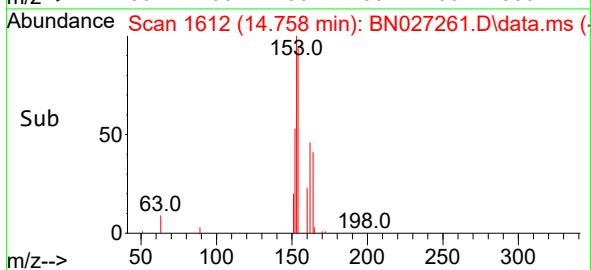
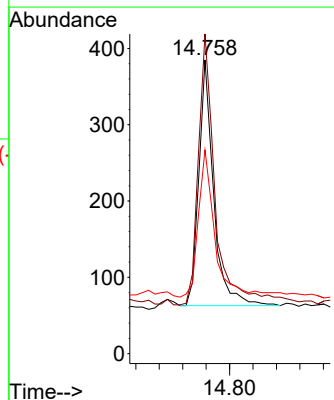
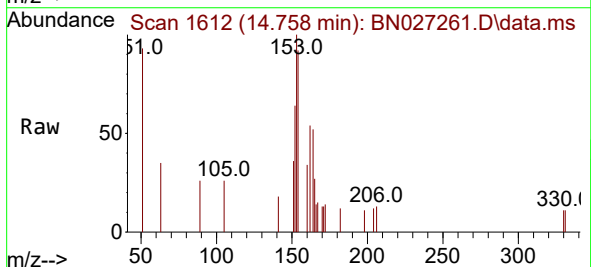
Instrument :
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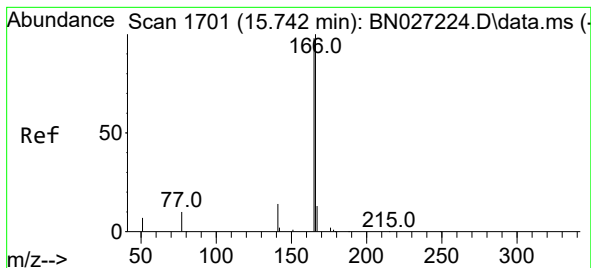
Tgt Ion:152 Resp: 808
Ion Ratio Lower Upper
152 100
151 24.1 15.5 23.3#
153 15.7 10.3 15.5#



#17
Acenaphthene
Concen: 0.028 ng
RT: 14.758 min Scan# 1612
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Tgt Ion:154 Resp: 566
Ion Ratio Lower Upper
154 100
153 127.9 93.1 139.7
152 69.4 48.6 73.0





#18

Fluorene

Concen: 0.054 ng

RT: 15.742 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822

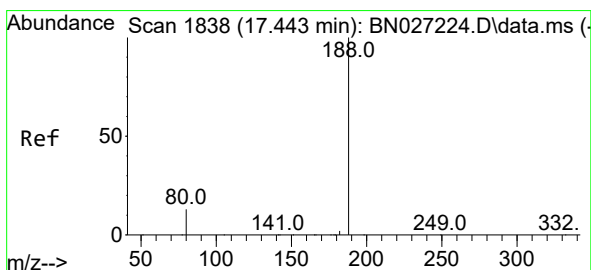
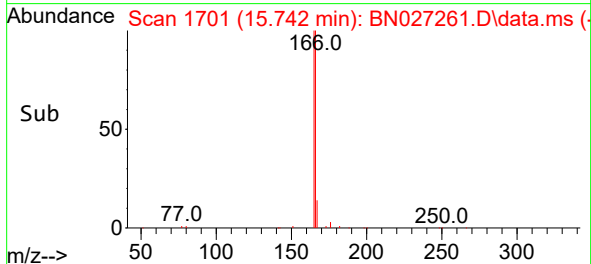
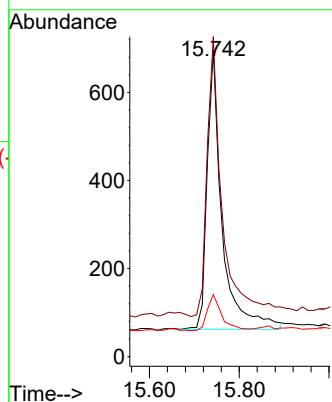
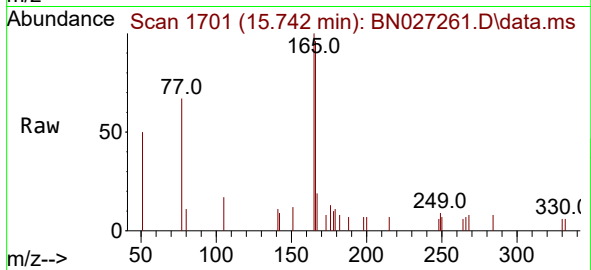
Tgt Ion:166 Resp: 1456

Ion Ratio Lower Upper

166 100

165 102.8 79.0 118.4

167 12.6 10.8 16.2



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.443 min Scan# 1838

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

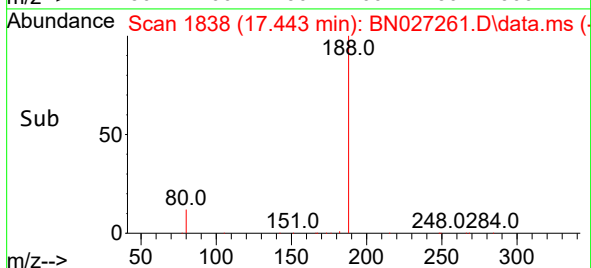
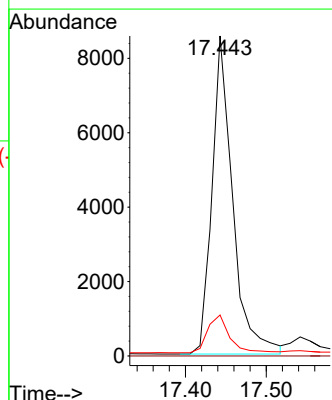
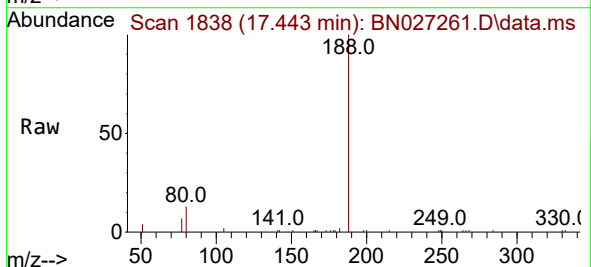
Tgt Ion:188 Resp: 15197

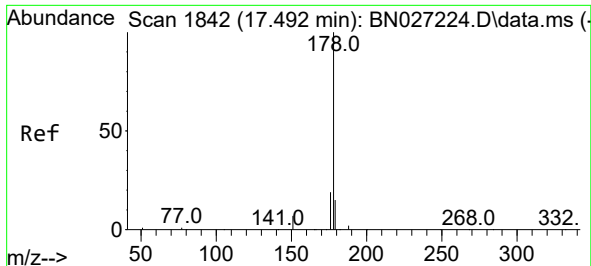
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.8 11.0 16.6

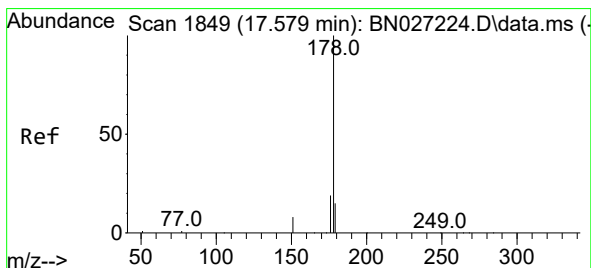
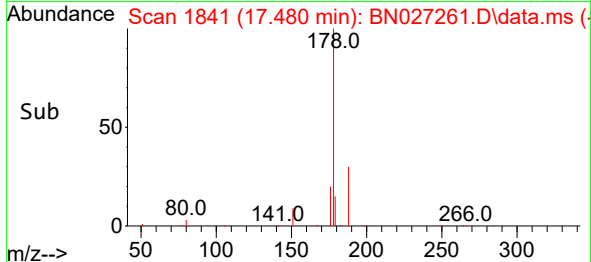
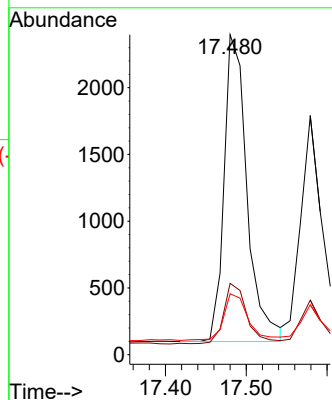
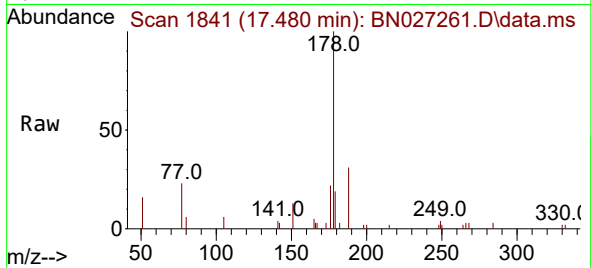




#25
Phenanthrene
Concen: 0.102 ng
RT: 17.480 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

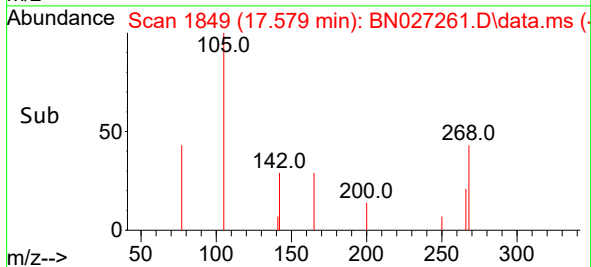
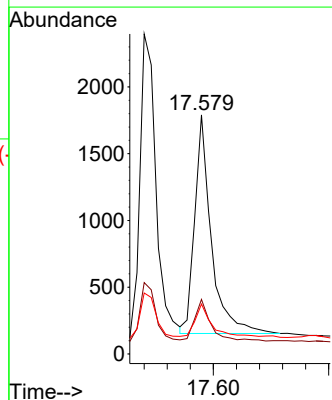
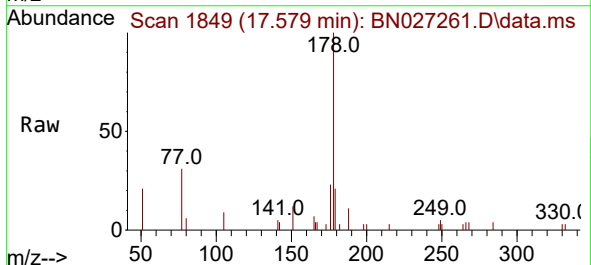
Instrument :
BNA_N
ClientSampleId :
MW305I-20230822

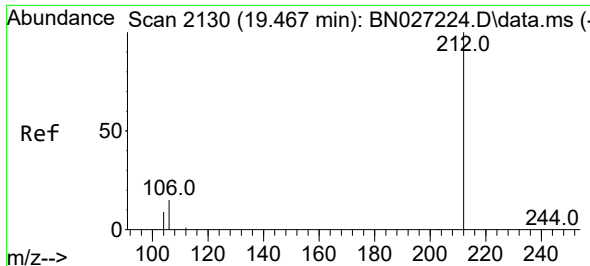
Tgt Ion:178 Resp: 4550
Ion Ratio Lower Upper
178 100
176 20.3 15.6 23.4
179 16.1 12.3 18.5



#26
Anthracene
Concen: 0.087 ng
RT: 17.579 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Tgt Ion:178 Resp: 3285
Ion Ratio Lower Upper
178 100
176 17.8 14.9 22.3
179 16.4 12.0 18.0

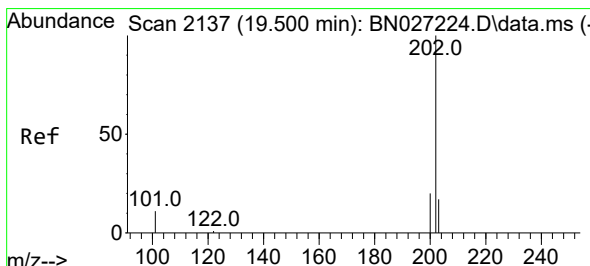
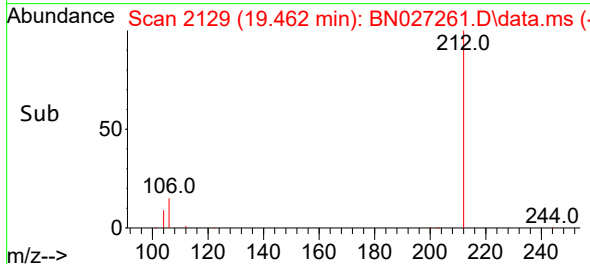
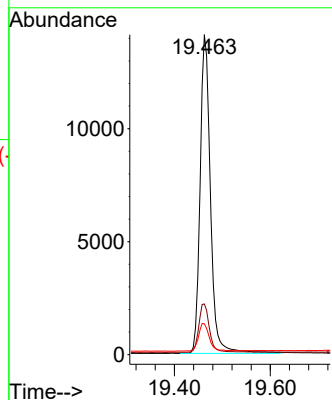
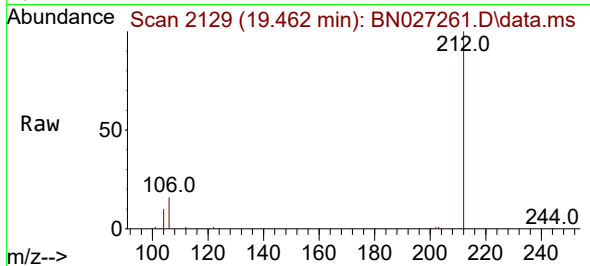




#27
Fluoranthene-d10
Concen: 0.561 ng
RT: 19.462 min Scan# 2118
Delta R.T. -0.005 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

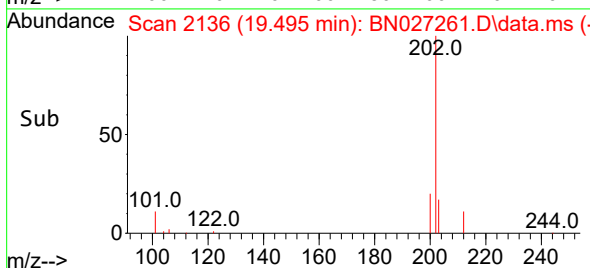
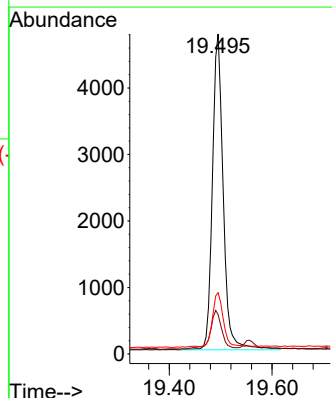
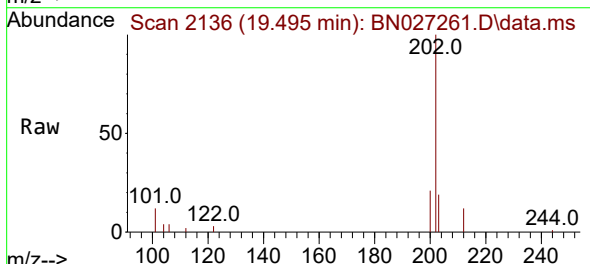
Instrument :
BNA_N
ClientSampleId :
MW305I-20230822

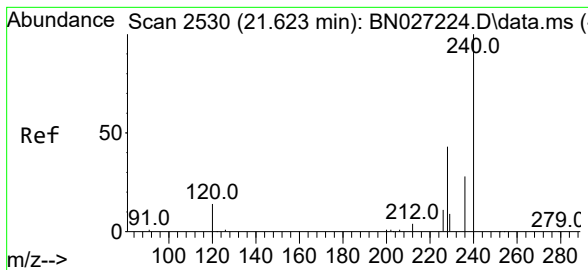
Tgt Ion:212 Resp: 21182
Ion Ratio Lower Upper
212 100
106 15.7 12.1 18.1
104 9.3 6.9 10.3



#28
Fluoranthene
Concen: 0.132 ng
RT: 19.495 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Tgt Ion:202 Resp: 6930
Ion Ratio Lower Upper
202 100
101 12.5 9.6 14.4
203 17.1 13.6 20.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.614 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822

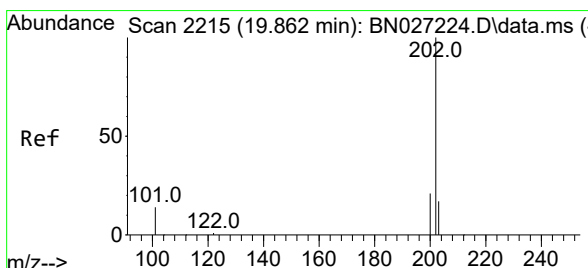
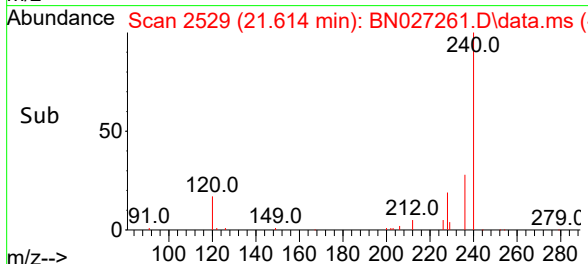
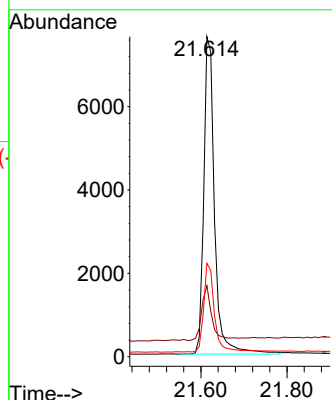
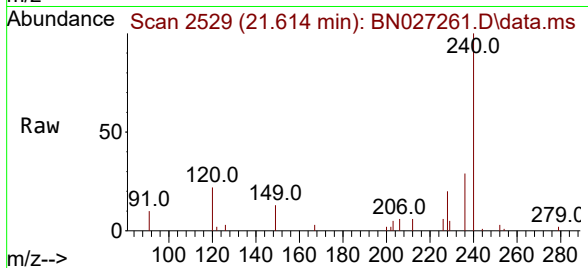
Tgt Ion:240 Resp: 13264

Ion Ratio Lower Upper

240 100

120 22.2 14.2 21.4#

236 29.2 22.9 34.3



#30

Pyrene

Concen: 0.129 ng

RT: 19.857 min Scan# 2214

Delta R.T. -0.005 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

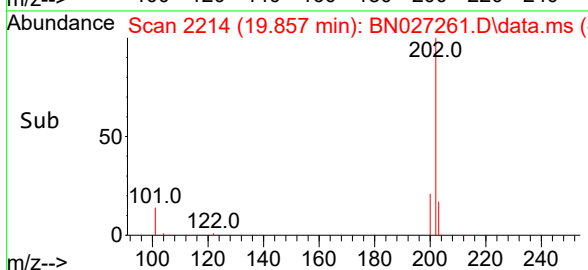
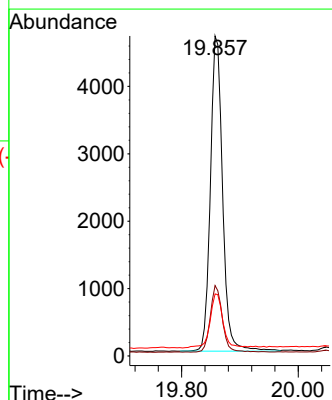
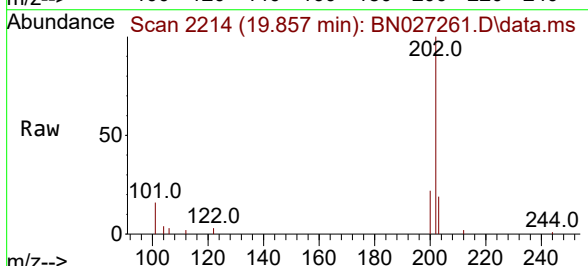
Tgt Ion:202 Resp: 6822

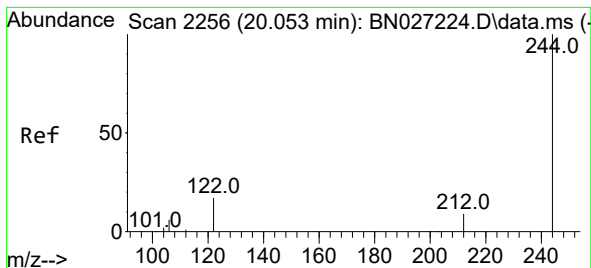
Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

203 18.2 14.2 21.4





#31

Terphenyl-d14

Concen: 0.619 ng

RT: 20.048 min Scan# 21

Delta R.T. -0.005 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822

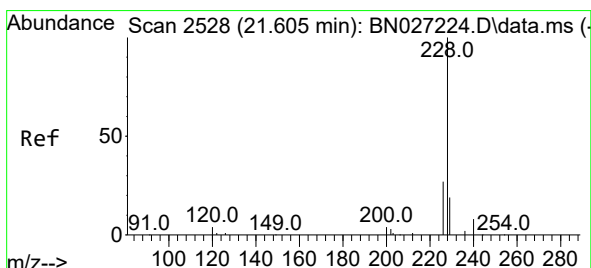
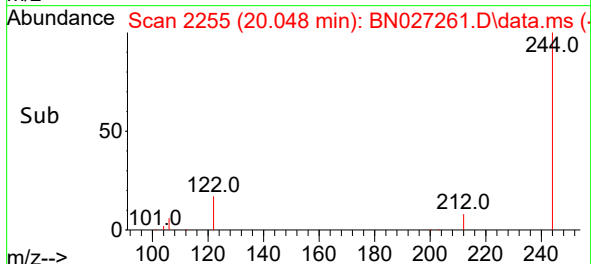
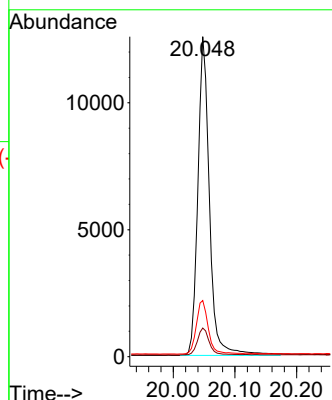
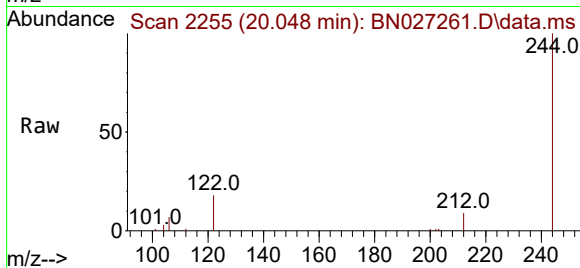
Tgt Ion:244 Resp: 16494

Ion Ratio Lower Upper

244 100

212 8.9 7.5 11.3

122 17.5 14.0 21.0



#32

Benzo(a)anthracene

Concen: 0.114 ng

RT: 21.605 min Scan# 2528

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

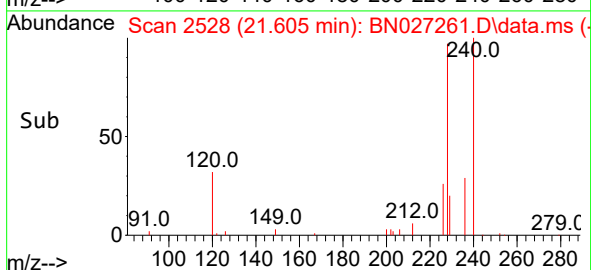
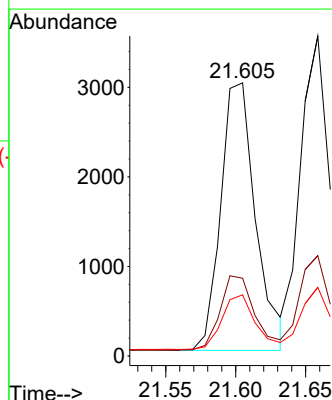
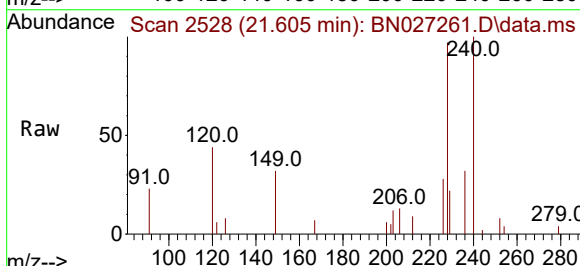
Tgt Ion:228 Resp: 5184

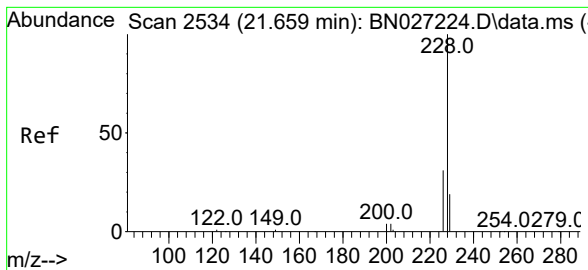
Ion Ratio Lower Upper

228 100

226 28.5 21.9 32.9

229 22.4 15.7 23.5





#33

Chrysene

Concen: 0.107 ng

RT: 21.659 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822

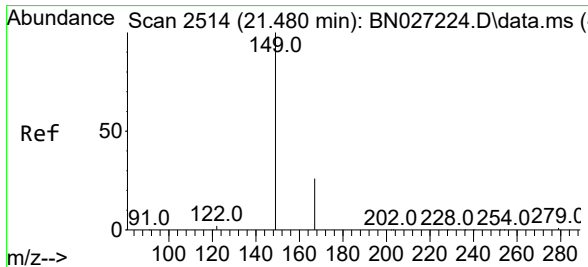
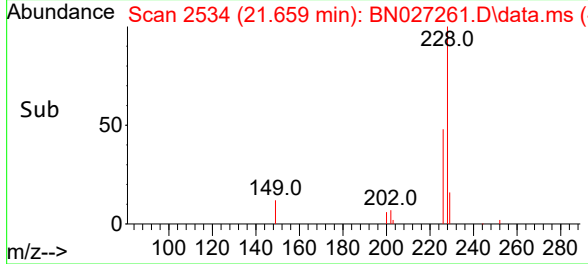
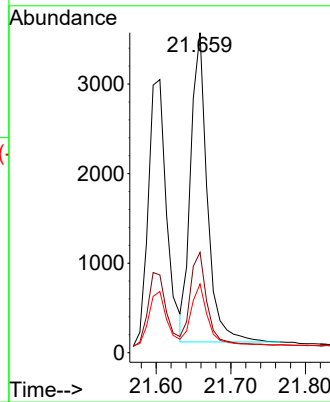
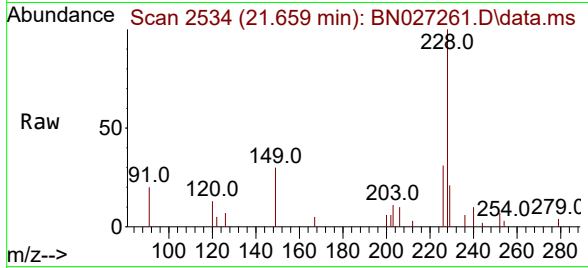
Tgt Ion:228 Resp: 5346

Ion Ratio Lower Upper

228 100

226 31.4 24.3 36.5

229 21.4 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.061 ng

RT: 21.480 min Scan# 2514

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

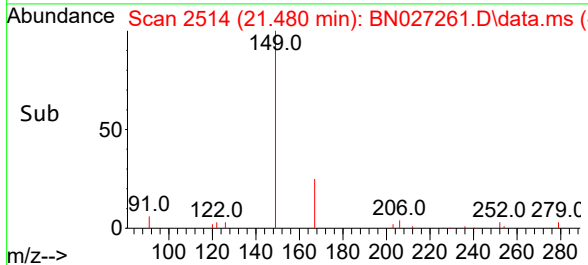
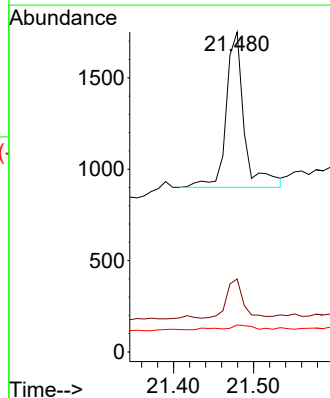
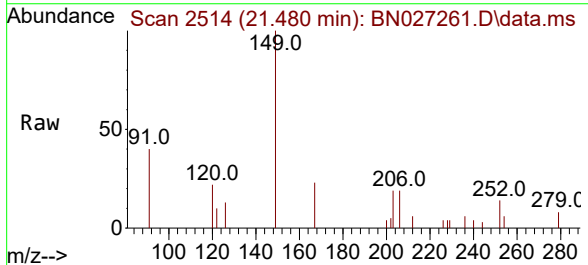
Tgt Ion:149 Resp: 1329

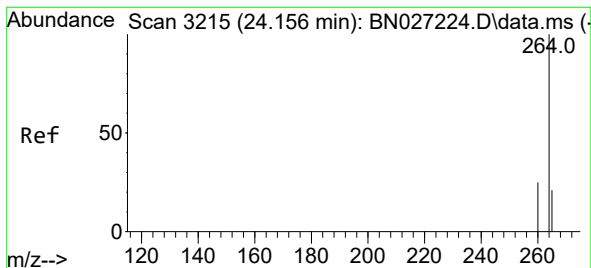
Ion Ratio Lower Upper

149 100

167 23.3 22.1 33.1

279 2.9 2.7 4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.148 min Scan# 31

Delta R.T. -0.009 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822

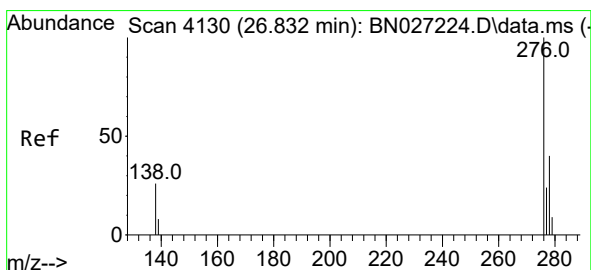
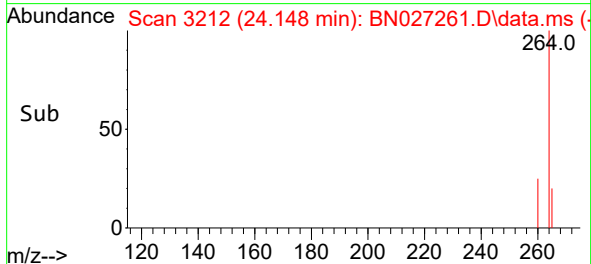
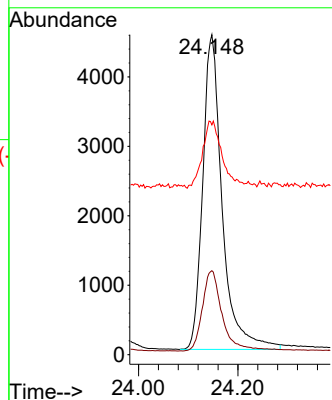
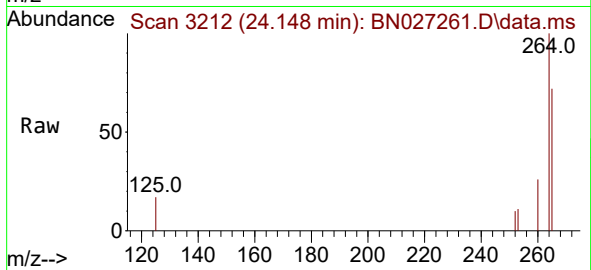
Tgt Ion:264 Resp: 12325

Ion Ratio Lower Upper

264 100

260 26.3 20.7 31.1

265 71.8 53.3 79.9



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.084 ng

RT: 26.826 min Scan# 4128

Delta R.T. -0.006 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

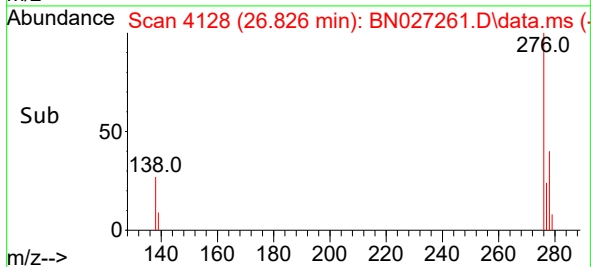
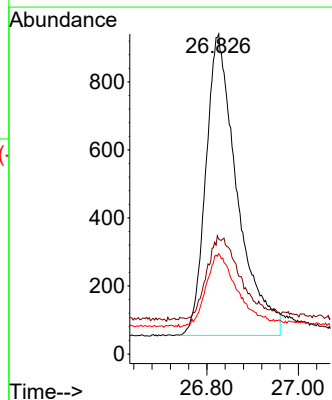
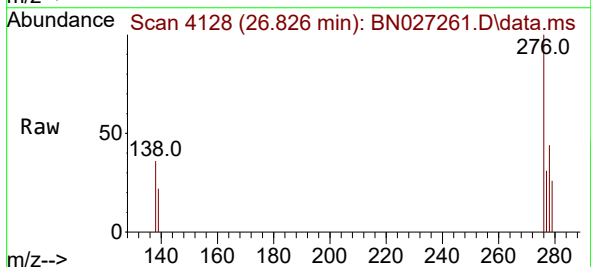
Tgt Ion:276 Resp: 4213

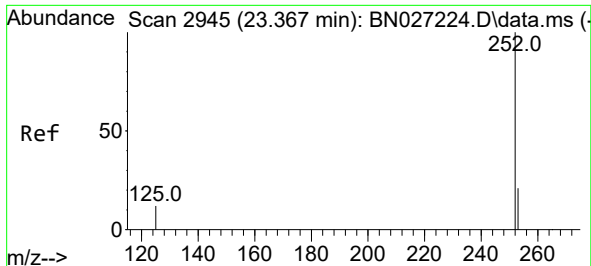
Ion Ratio Lower Upper

276 100

138 12.6 23.4 35.2#

277 24.5 19.8 29.8

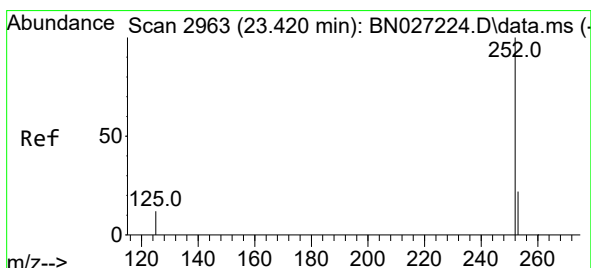
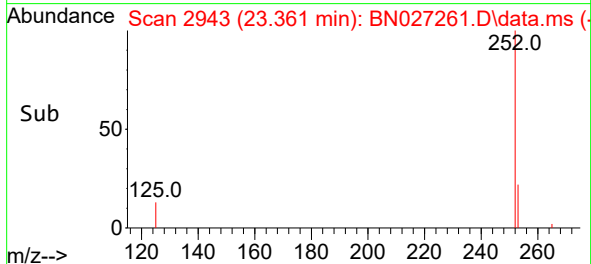
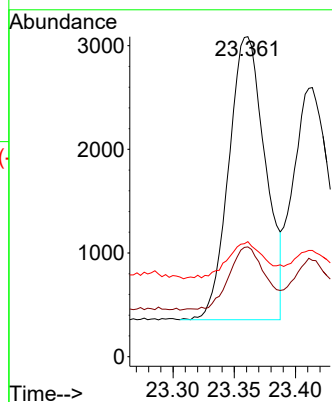
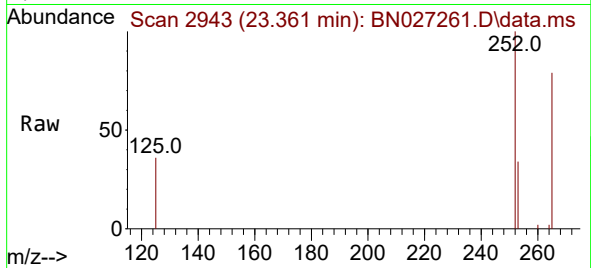




#37
Benzo(b)fluoranthene
Concen: 0.119 ng
RT: 23.361 min Scan# 2943
Delta R.T. -0.006 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

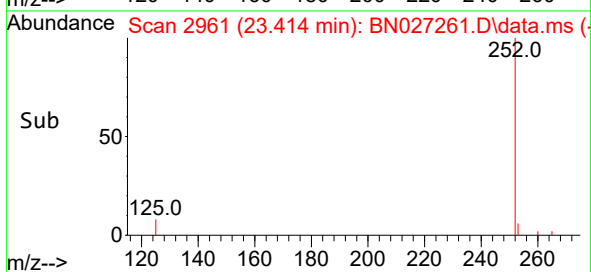
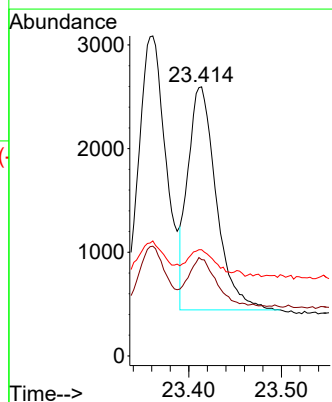
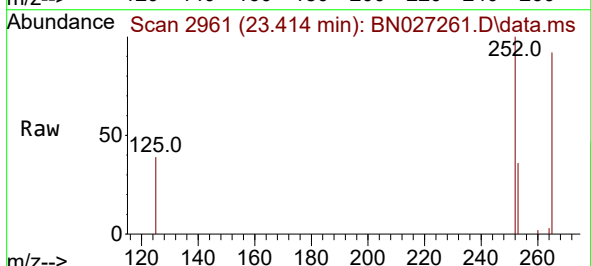
Instrument :
BNA_N
ClientSampleId :
MW305I-20230822

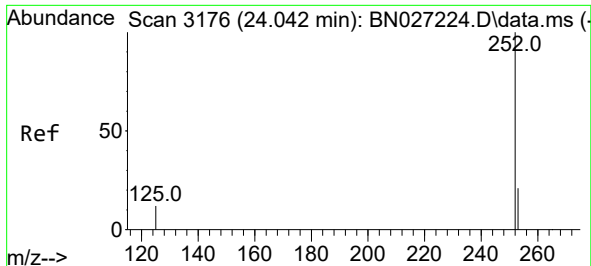
Tgt Ion:252 Resp: 5673
Ion Ratio Lower Upper
252 100
253 34.3 19.9 29.9#
125 36.0 13.8 20.6#



#38
Benzo(k)fluoranthene
Concen: 0.093 ng
RT: 23.414 min Scan# 2961
Delta R.T. -0.006 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Tgt Ion:252 Resp: 4579
Ion Ratio Lower Upper
252 100
253 35.8 20.2 30.2#
125 39.5 14.1 21.1#





#39

Benzo(a)pyrene

Concen: 0.085 ng

RT: 24.034 min Scan# 3173

Delta R.T. -0.009 min

Lab File: BN027261.D

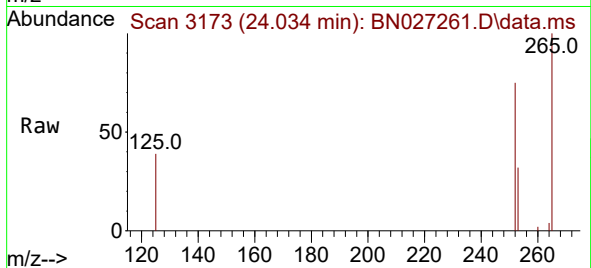
Acq: 30 Aug 2023 04:29

Instrument :

BNA_N

ClientSampleId :

MW305I-20230822



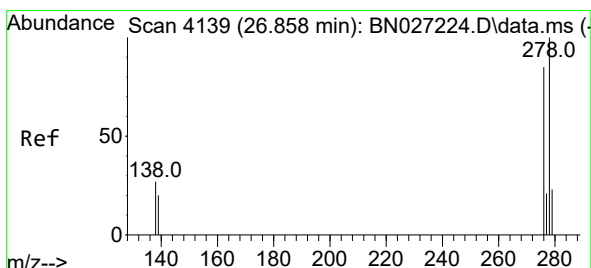
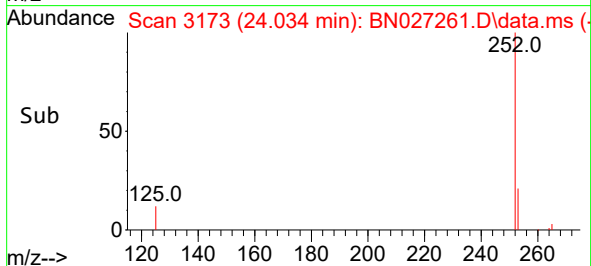
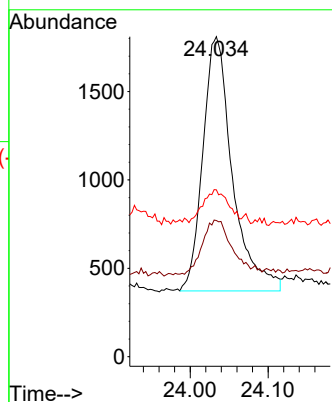
Tgt Ion:252 Resp: 3797

Ion Ratio Lower Upper

252 100

253 42.5 21.4 32.0#

125 52.2 16.5 24.7#



#40

Dibenzo(a,h)anthracene

Concen: 0.077 ng

RT: 26.858 min Scan# 4139

Delta R.T. -0.000 min

Lab File: BN027261.D

Acq: 30 Aug 2023 04:29

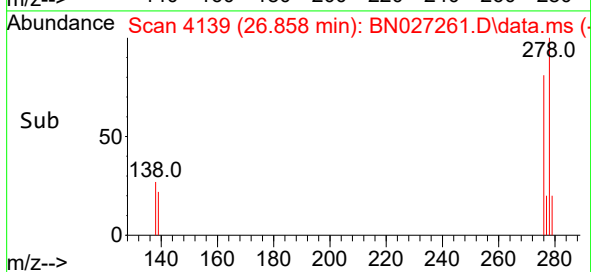
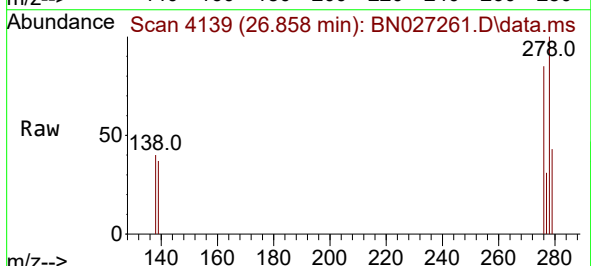
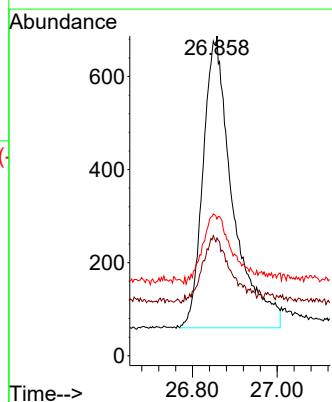
Tgt Ion:278 Resp: 3031

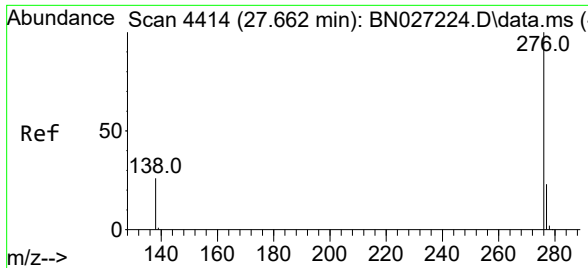
Ion Ratio Lower Upper

278 100

139 36.8 17.9 26.9#

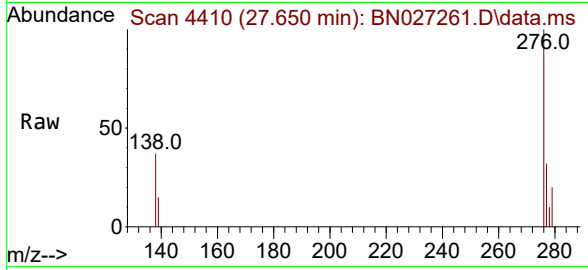
279 42.8 21.8 32.6#





#41
Benzo(g,h,i)perylene
Concen: 0.074 ng
RT: 27.650 min Scan# 4414
Delta R.T. -0.012 min
Lab File: BN027261.D
Acq: 30 Aug 2023 04:29

Instrument :
BNA_N
ClientSampleId :
MW305I-20230822



Tgt Ion:276 Resp: 3345
Ion Ratio Lower Upper
276 100
277 32.2 19.6 29.4#
138 36.8 22.1 33.1#

