

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082523\
 Data File : BN027133.D
 Acq On : 26 Aug 2023 00:01
 Operator : MA/JU
 Sample : 04025-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

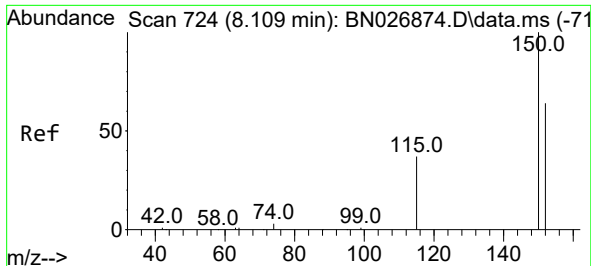
Instrument :
 BNA_N
 ClientSampleId :
 MW179D-20230814

Quant Time: Aug 26 02:19:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 26 02:13:59 2023
 Response via : Initial Calibration

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

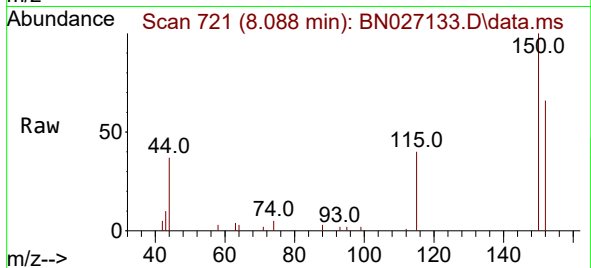
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.088	152	5694	0.400	ng	0.00
7) Naphthalene-d8	10.917	136	12818	0.400	ng	0.01
13) Acenaphthene-d10	14.715	164	8835	0.400	ng	0.01
19) Phenanthrene-d10	17.455	188	21244	0.400	ng	# 0.00
29) Chrysene-d12	21.632	240	18544	0.400	ng	0.00
35) Perylene-d12	24.162	264	18396	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.603	112	1302	0.081	ng	0.00
5) Phenol-d6	7.221	99	814	0.041	ng	0.00
8) Nitrobenzene-d5	9.272	82	2467	0.228	ng	0.00
11) 2-Methylnaphthalene-d10	12.487	152	5524	0.271	ng	0.00
14) 2,4,6-Tribromophenol	16.201	330	910	0.194	ng	0.00
15) 2-Fluorobiphenyl	13.347	172	8494	0.259	ng	0.01
27) Fluoranthene-d10	19.476	212	19807	0.364	ng	0.00
31) Terphenyl-d14	20.062	244	16056	0.414	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.465	88	1027	0.168	ng	# 75
6) bis(2-Chloroethyl)ether	7.510	93	434	0.026	ng	99
20) 4,6-Dinitro-2-methylph...	16.909	198	11	0.033	ng	# 22
25) Phenanthrene	17.505	178	2003	0.033	ng	97
26) Anthracene	17.592	178	1501	0.026	ng	# 92
28) Fluoranthene	19.509	202	3989	0.055	ng	# 96
30) Pyrene	19.871	202	4089	0.057	ng	99
32) Benzo(a)anthracene	21.614	228	3188	0.048	ng	# 94
33) Chrysene	21.668	228	3625	0.054	ng	94
34) Bis(2-ethylhexyl)phtha...	21.488	149	3111	0.065	ng	92
36) Indeno(1,2,3-cd)pyrene	26.849	276	3111	0.041	ng	# 85
37) Benzo(b)fluoranthene	23.376	252	3573	0.058	ng	# 44
38) Benzo(k)fluoranthene	23.428	252	3246	0.051	ng	# 40
39) Benzo(a)pyrene	24.054	252	2398	0.039	ng	# 15
40) Dibenzo(a,h)anthracene	26.872	278	2406	0.040	ng	# 53
41) Benzo(g,h,i)perylene	27.682	276	2938	0.046	ng	# 76

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

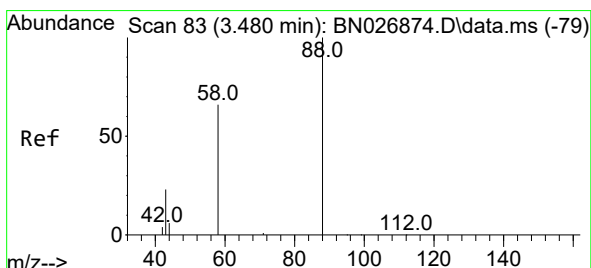
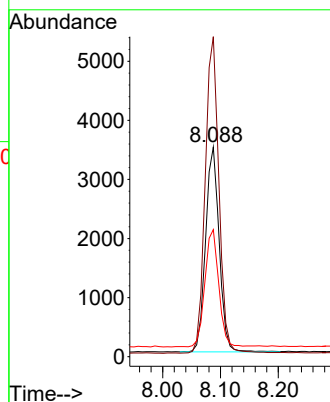
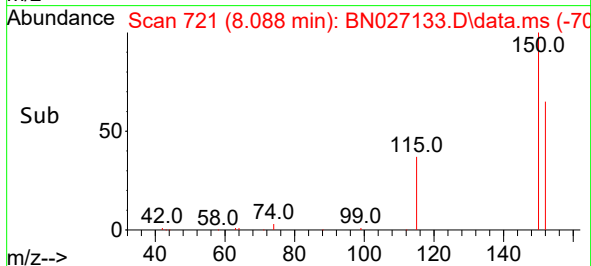


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 8.088 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: BN027133.D
 Acq: 26 Aug 2023 00:01

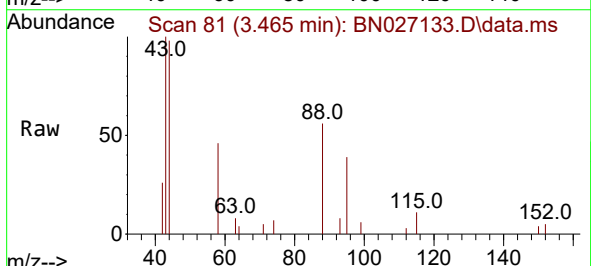
Instrument :
 BNA_N
 ClientSampleId :
 MW179D-20230814



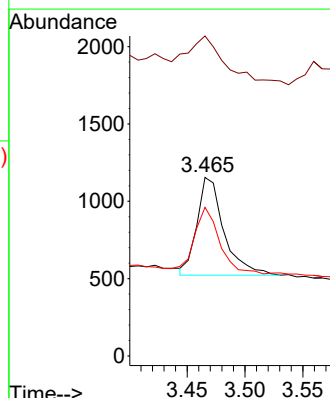
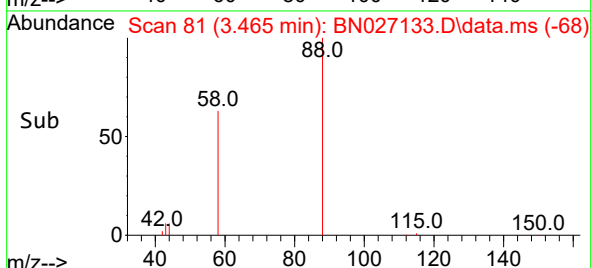
Tgt Ion: 152 Resp: 5694
 Ion Ratio Lower Upper
 152 100
 150 152.6 123.8 185.6
 115 60.6 49.7 74.5

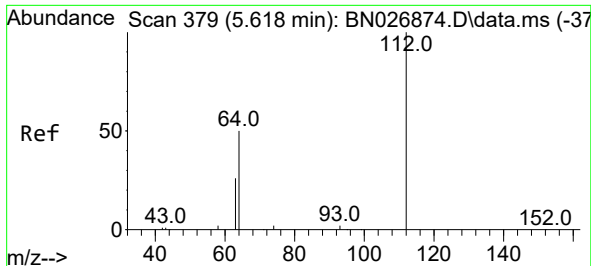


#2
 1,4-Dioxane
 Concen: 0.168 ng
 RT: 3.465 min Scan# 81
 Delta R.T. -0.007 min
 Lab File: BN027133.D
 Acq: 26 Aug 2023 00:01



Tgt Ion: 88 Resp: 1027
 Ion Ratio Lower Upper
 88 100
 43 60.7 19.2 28.8#
 58 61.6 54.5 81.7

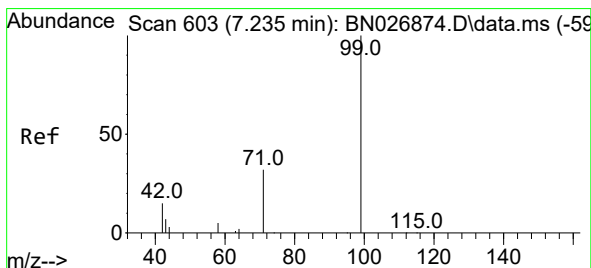
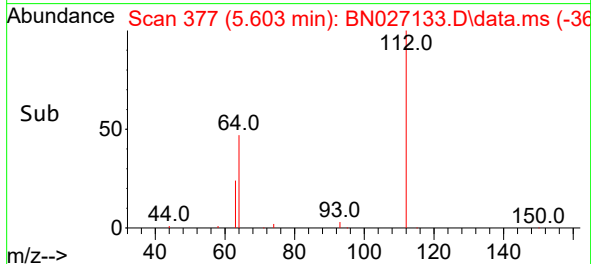
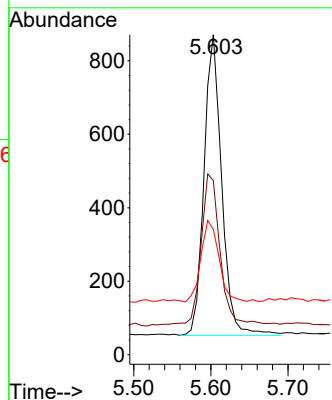
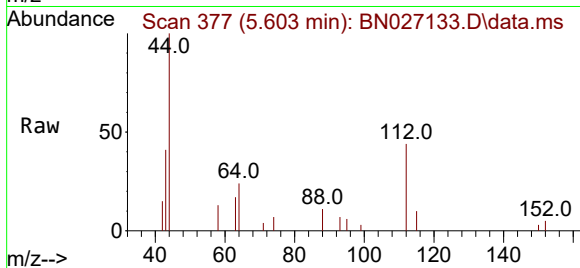




#4
2-Fluorophenol
Concen: 0.081 ng
RT: 5.603 min Scan# 31
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

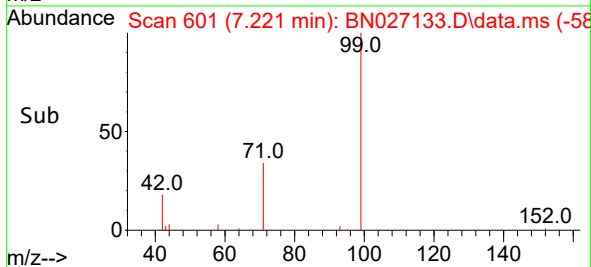
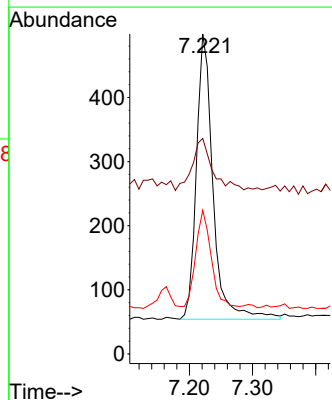
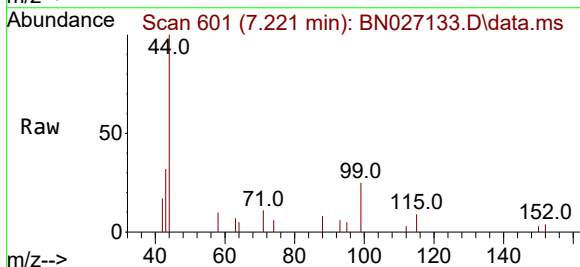
Instrument :
BNA_N
ClientSampleId :
MW179D-20230814

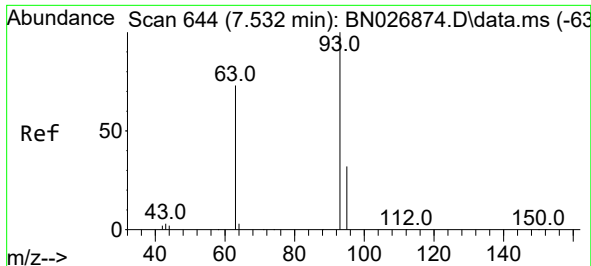
Tgt Ion:112 Resp: 1302
Ion Ratio Lower Upper
112 100
64 56.2 41.5 62.3
63 27.1 21.7 32.5



#5
Phenol-d6
Concen: 0.041 ng
RT: 7.221 min Scan# 601
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion: 99 Resp: 814
Ion Ratio Lower Upper
99 100
42 23.0 13.6 20.4#
71 31.6 26.0 39.0

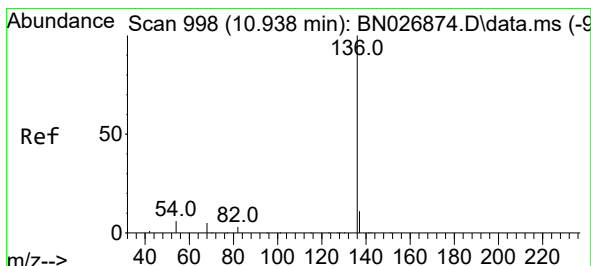
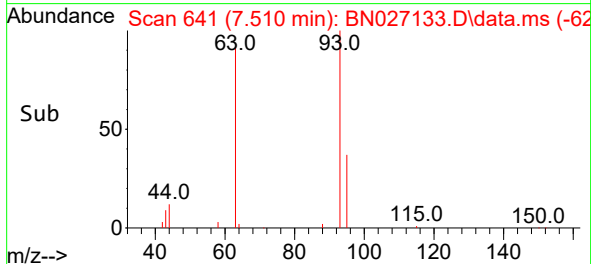
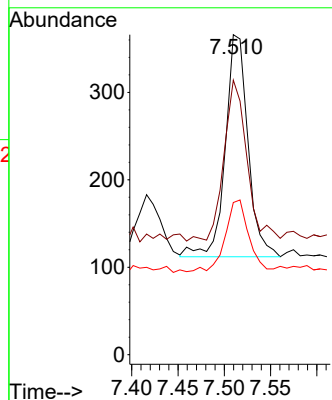
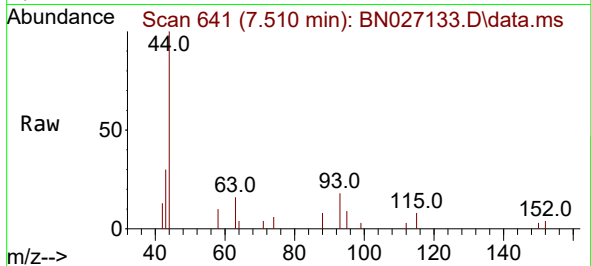




#6
bis(2-Chloroethyl)ether
Concen: 0.026 ng
RT: 7.510 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

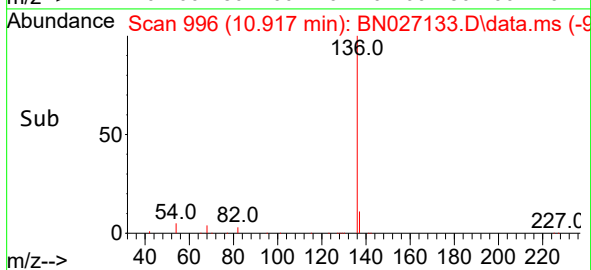
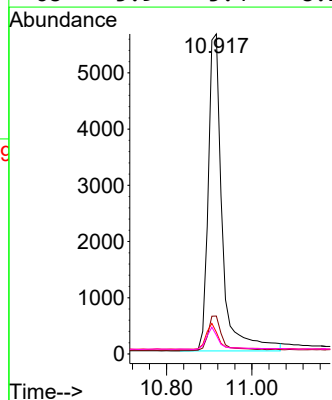
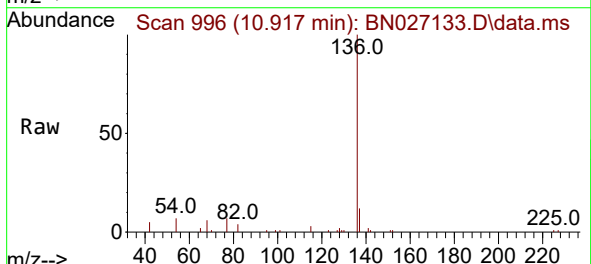
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MW179D-20230814

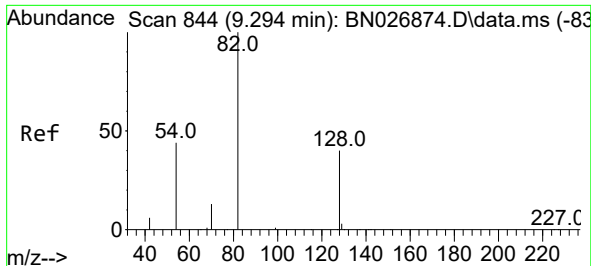
Tgt Ion: 93 Resp: 434
Ion Ratio Lower Upper
93 100
63 69.6 55.0 82.4
95 33.2 26.2 39.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.917 min Scan# 996
Delta R.T. 0.011 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:136 Resp: 12818
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.6
54 6.8 5.5 8.3
68 5.9 5.4 8.2

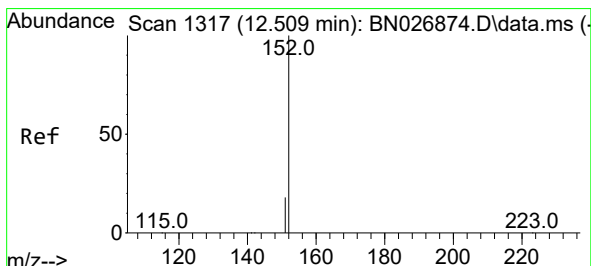
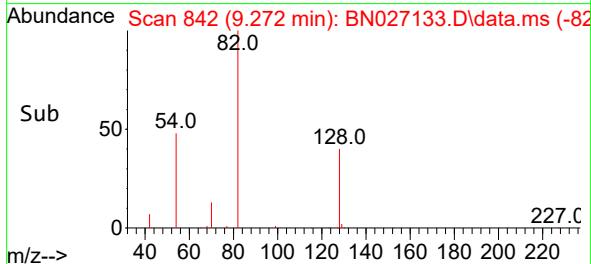
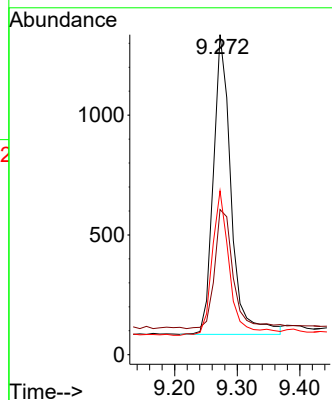
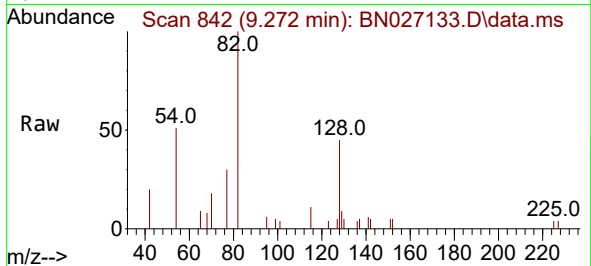




#8
Nitrobenzene-d5
Concen: 0.228 ng
RT: 9.272 min Scan# 84
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

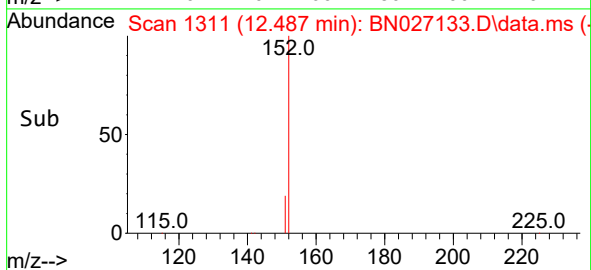
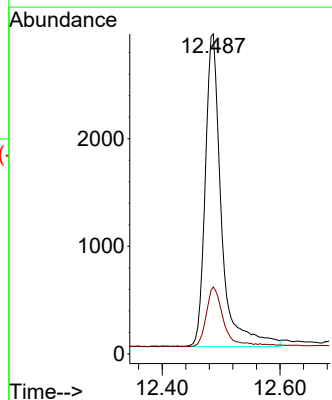
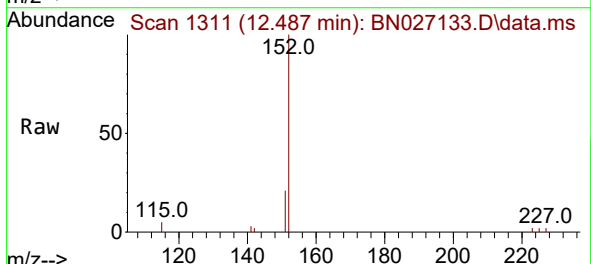
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BNA_N
ClientSampleId :
MW179D-20230814

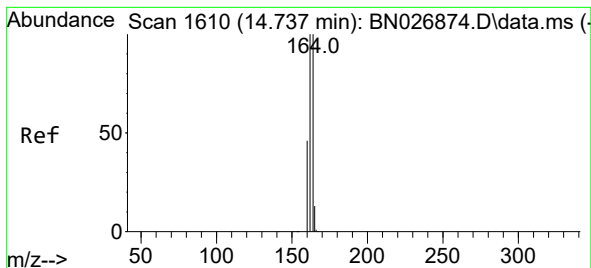
Tgt Ion: 82 Resp: 2467
Ion Ratio Lower Upper
82 100
128 45.4 34.1 51.1
54 51.2 37.0 55.4



#11
2-Methylnaphthalene-d10
Concen: 0.271 ng
RT: 12.487 min Scan# 1311
Delta R.T. 0.004 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:152 Resp: 5524
Ion Ratio Lower Upper
152 100
151 21.0 16.3 24.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.715 min Scan# 1

Delta R.T. 0.011 min

Lab File: BN027133.D

Acq: 26 Aug 2023 00:01

Instrument :

BNA_N

ClientSampleId :

MW179D-20230814

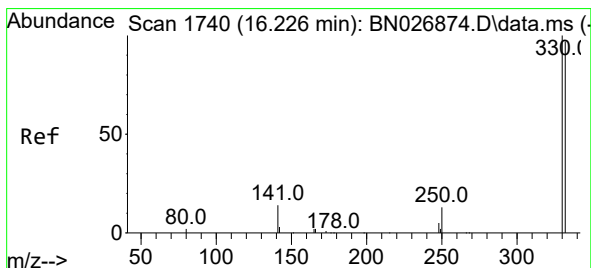
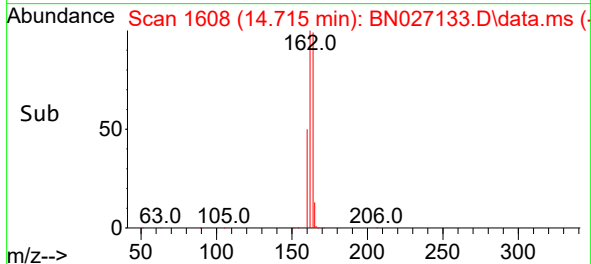
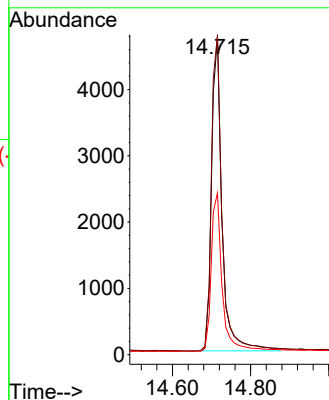
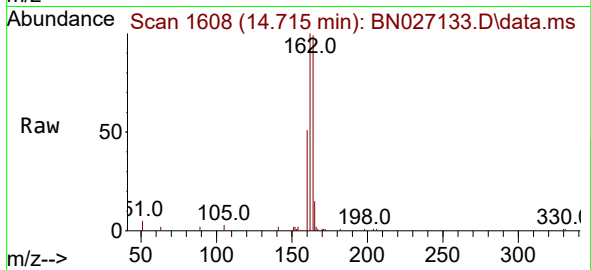
Tgt Ion:164 Resp: 8835

Ion Ratio Lower Upper

164 100

162 100.7 79.7 119.5

160 50.9 37.4 56.0



#14

2,4,6-Tribromophenol

Concen: 0.194 ng

RT: 16.201 min Scan# 1738

Delta R.T. -0.000 min

Lab File: BN027133.D

Acq: 26 Aug 2023 00:01

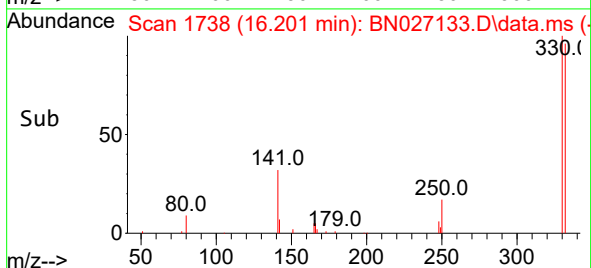
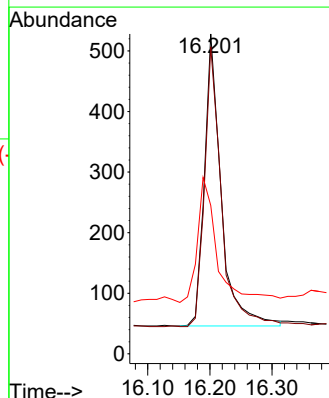
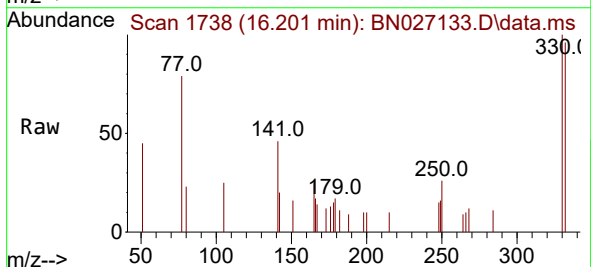
Tgt Ion:330 Resp: 910

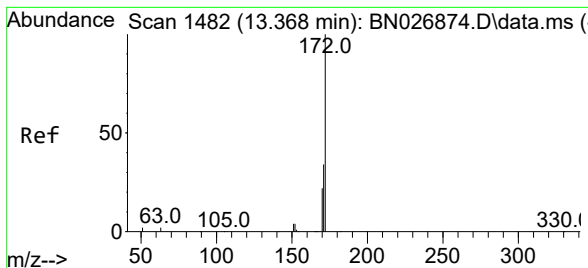
Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

141 50.2 32.3 48.5#

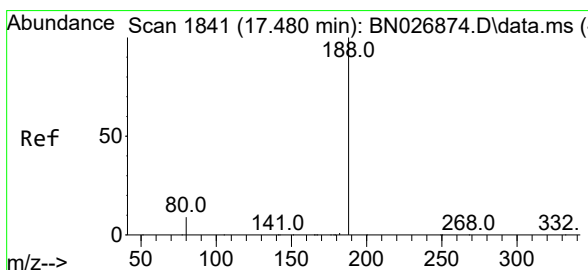
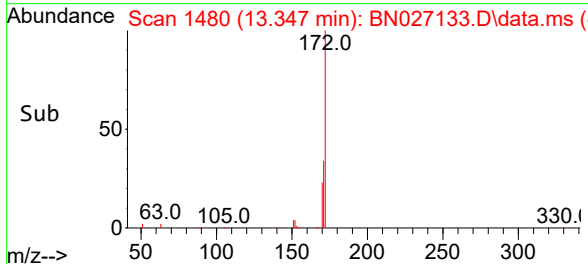
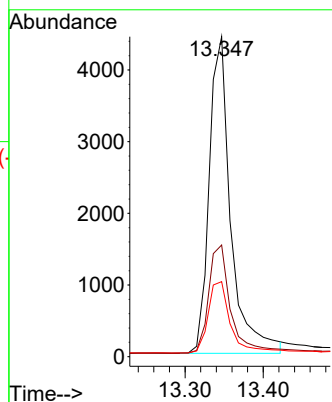
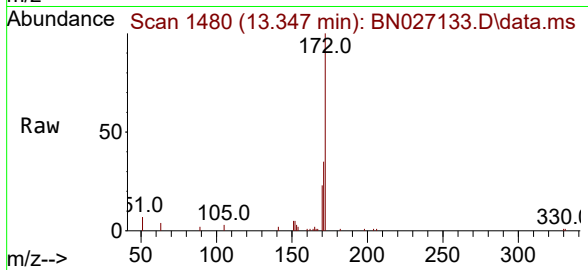




#15
2-Fluorobiphenyl
Concen: 0.259 ng
RT: 13.347 min Scan# 1482
Delta R.T. 0.011 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

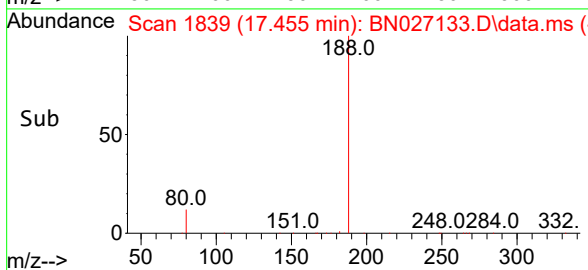
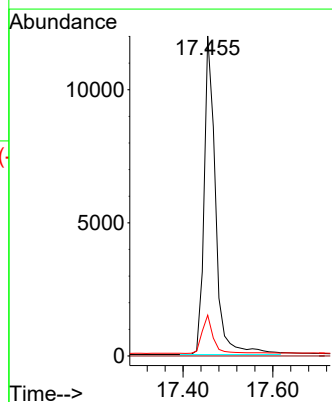
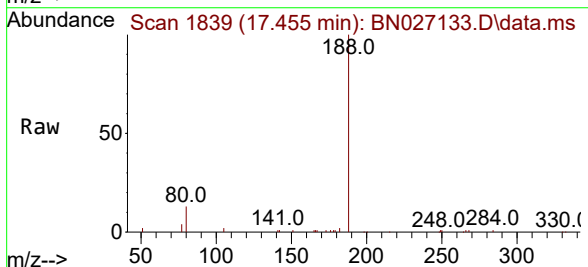
Instrument :
BNA_N
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MW179D-20230814

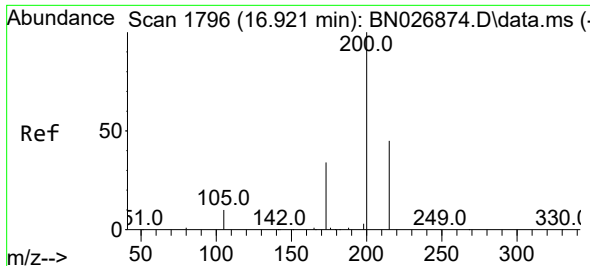
Tgt Ion:172 Resp: 8494
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.5 18.0 27.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.455 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:188 Resp: 21244
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.8 7.4 11.2#

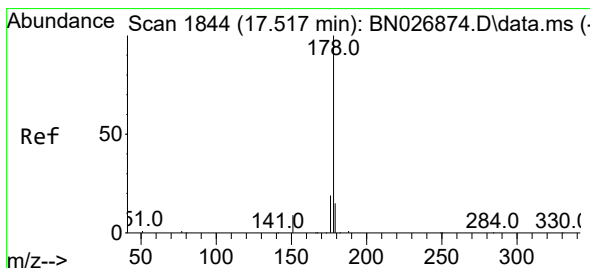
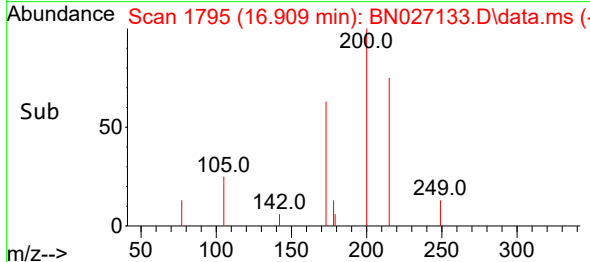
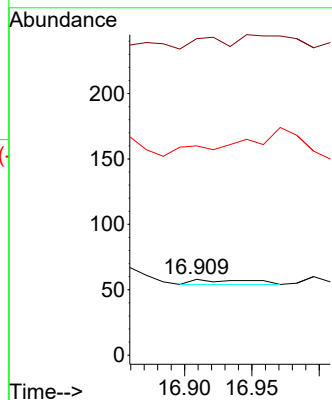
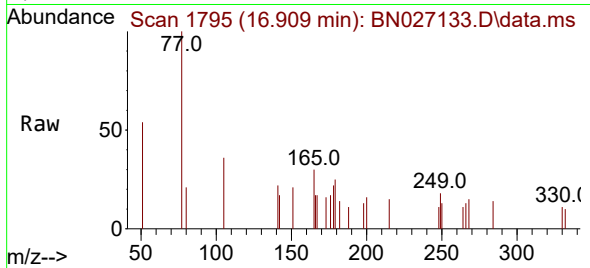




#20
4,6-Dinitro-2-methylphenol
Concen: 0.033 ng
RT: 16.909 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

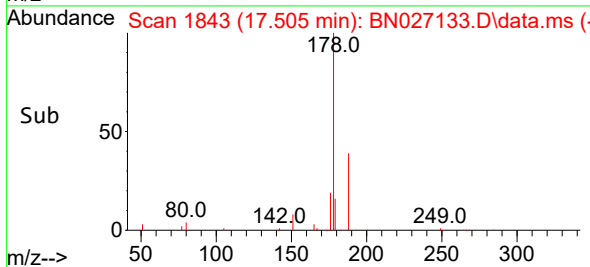
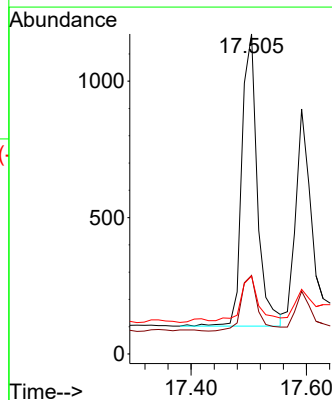
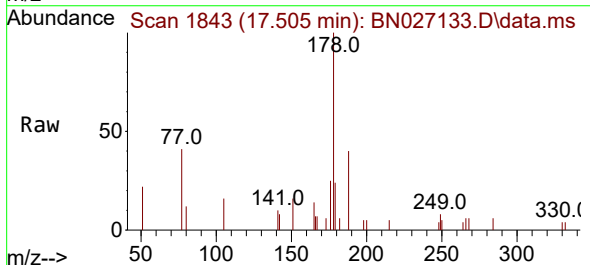
Instrument :
BNA_N
ClientSampleId :
MW179D-20230814

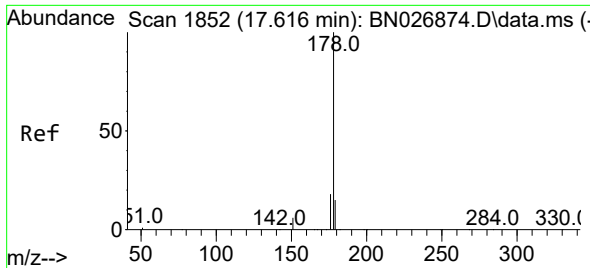
Tgt Ion:198 Resp: 11
Ion Ratio Lower Upper
198 100
51 417.2 143.8 215.8#
105 275.9 273.5 410.3



#25
Phenanthrene
Concen: 0.033 ng
RT: 17.505 min Scan# 1843
Delta R.T. 0.012 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:178 Resp: 2003
Ion Ratio Lower Upper
178 100
176 20.7 15.3 22.9
179 16.5 12.2 18.4

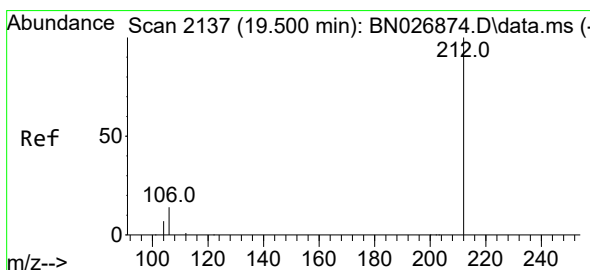
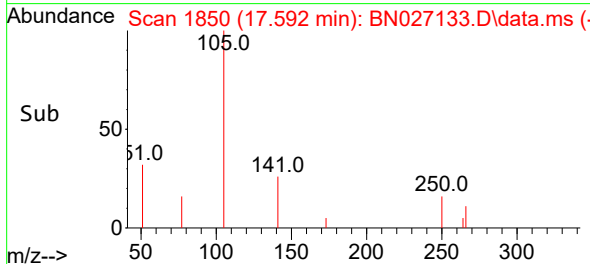
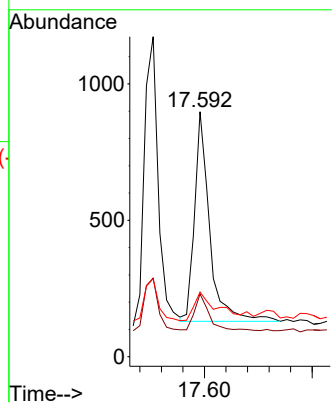
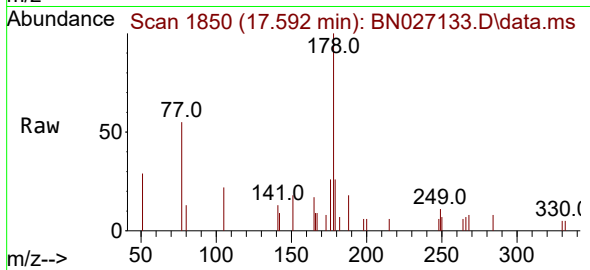




#26
 Anthracene
 Concen: 0.026 ng
 RT: 17.592 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BN027133.D
 Acq: 26 Aug 2023 00:01

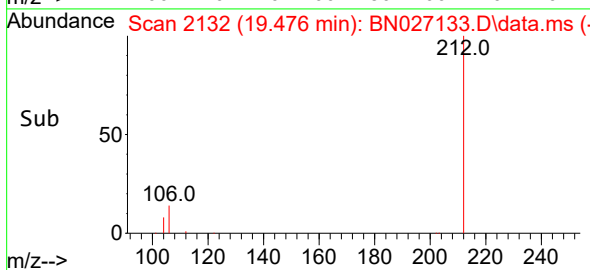
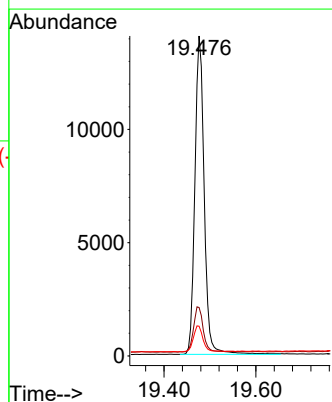
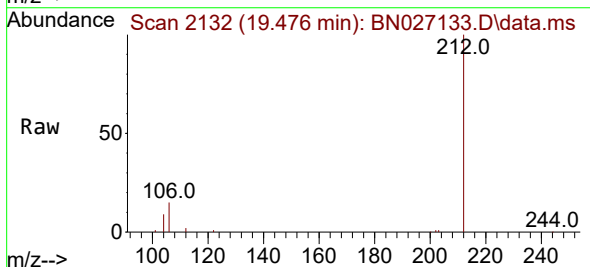
Instrument :
 BNA_N
 ClientSampleId :
 MW179D-20230814

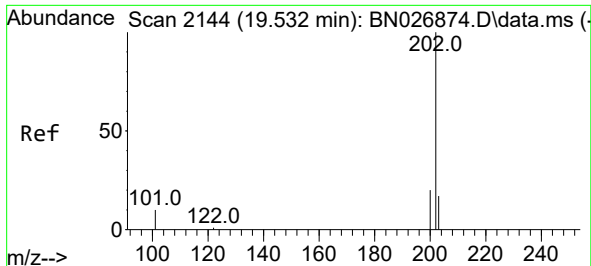
Tgt Ion:178 Resp: 1501
 Ion Ratio Lower Upper
 178 100
 176 16.8 14.8 22.2
 179 20.7 12.1 18.1#



#27
 Fluoranthene-d10
 Concen: 0.364 ng
 RT: 19.476 min Scan# 2132
 Delta R.T. -0.000 min
 Lab File: BN027133.D
 Acq: 26 Aug 2023 00:01

Tgt Ion:212 Resp: 19807
 Ion Ratio Lower Upper
 212 100
 106 14.6 10.9 16.3
 104 8.4 5.9 8.9

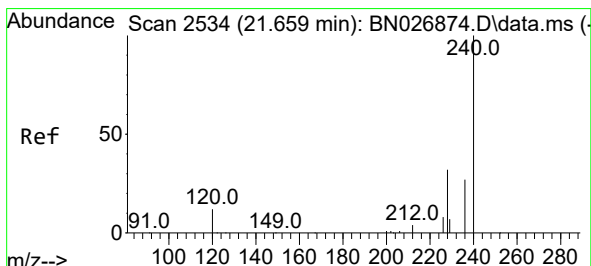
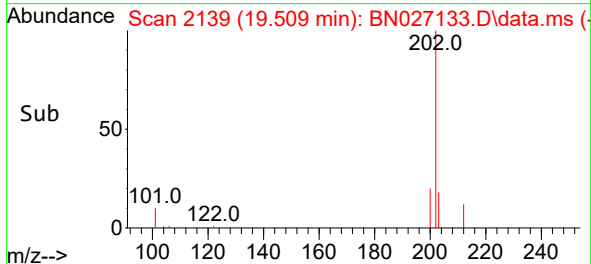
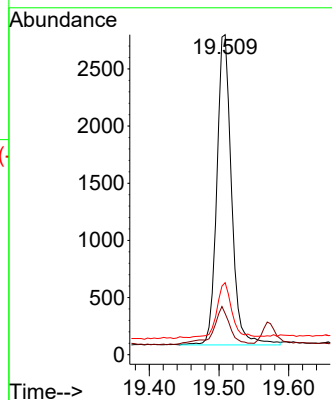
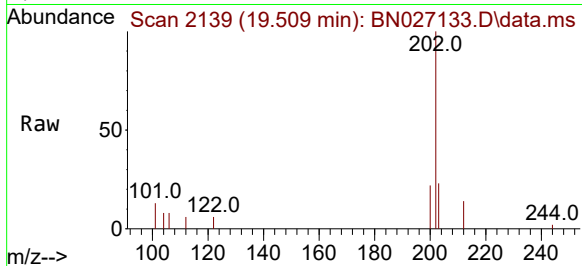




#28
Fluoranthene
Concen: 0.055 ng
RT: 19.509 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

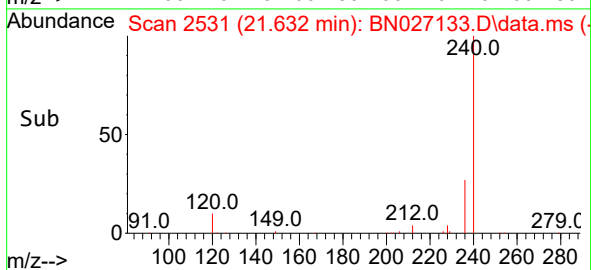
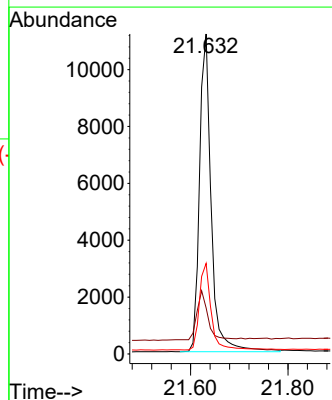
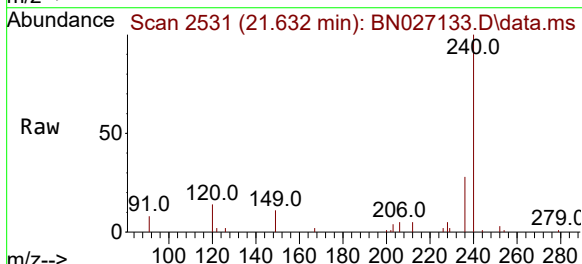
Instrument :
BNA_N
ClientSampleId :
MW179D-20230814

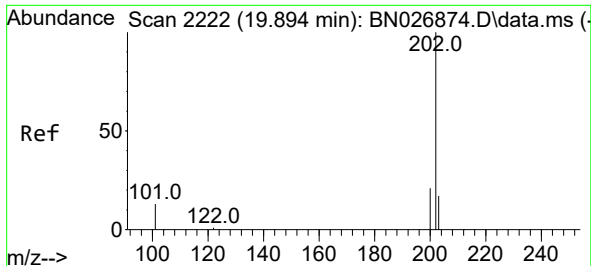
Tgt Ion:202 Resp: 3989
Ion Ratio Lower Upper
202 100
101 14.0 8.9 13.3#
203 18.0 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.632 min Scan# 2531
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:240 Resp: 18544
Ion Ratio Lower Upper
240 100
120 14.4 11.1 16.7
236 28.3 22.2 33.2

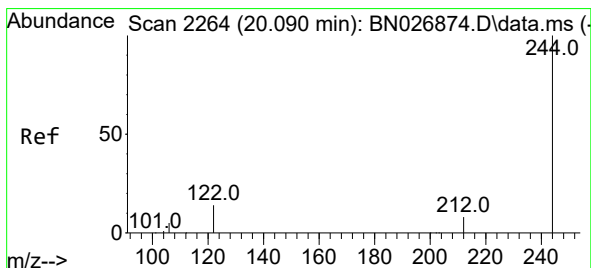
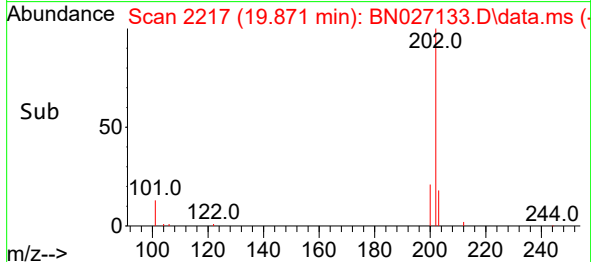
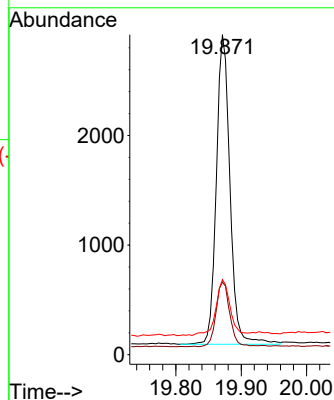
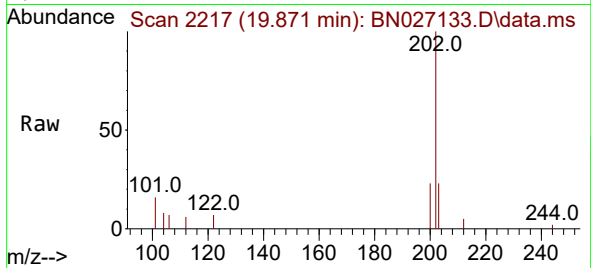




#30
Pyrene
Concen: 0.057 ng
RT: 19.871 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

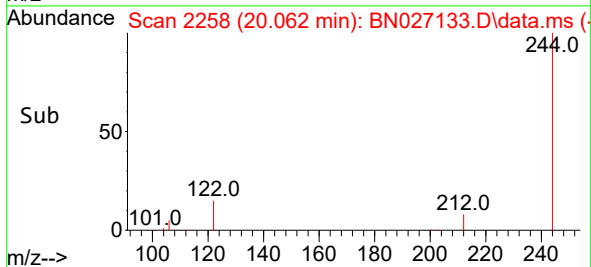
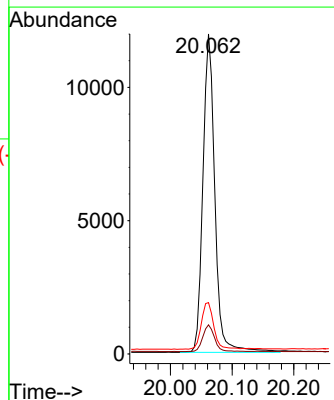
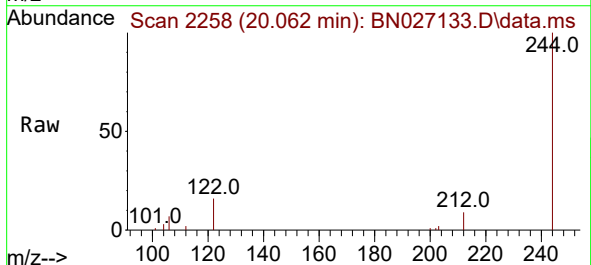
Instrument :
BNA_N
ClientSampleId :
MW179D-20230814

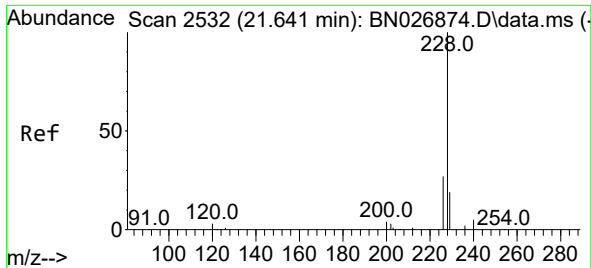
Tgt Ion:202 Resp: 4089
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 18.7 14.4 21.6



#31
Terphenyl-d14
Concen: 0.414 ng
RT: 20.062 min Scan# 2258
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:244 Resp: 16056
Ion Ratio Lower Upper
244 100
212 9.1 6.9 10.3
122 16.1 11.9 17.9

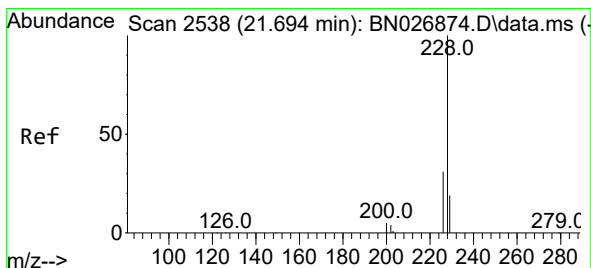
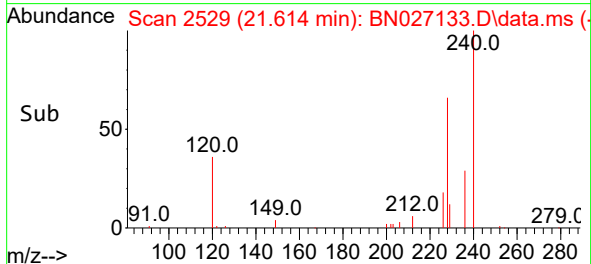
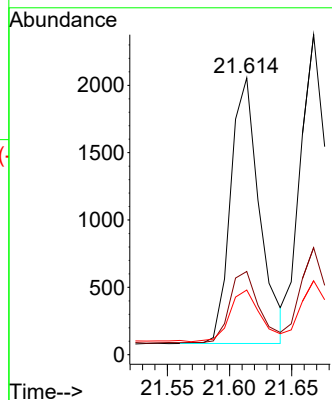
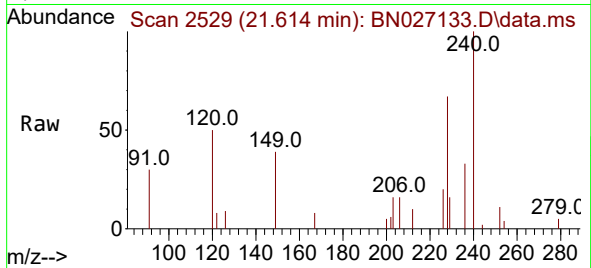




#32
Benzo(a)anthracene
Concen: 0.048 ng
RT: 21.614 min Scan# 2161
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

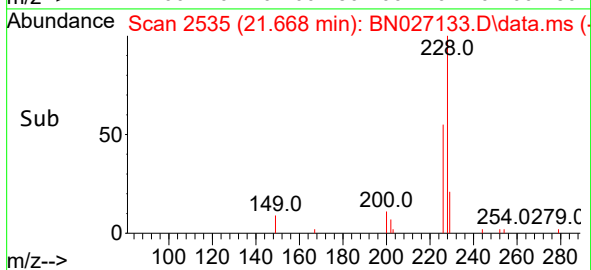
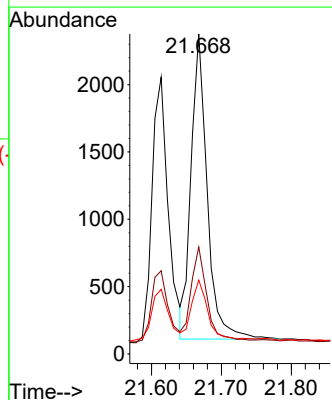
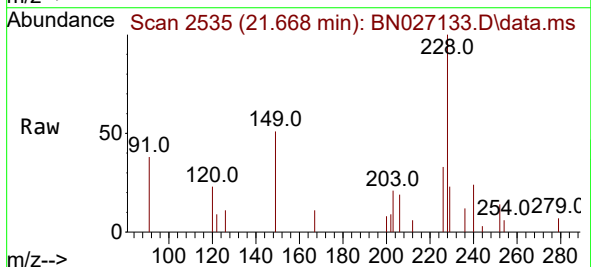
Instrument :
BNA_N
ClientSampleId :
MW179D-20230814

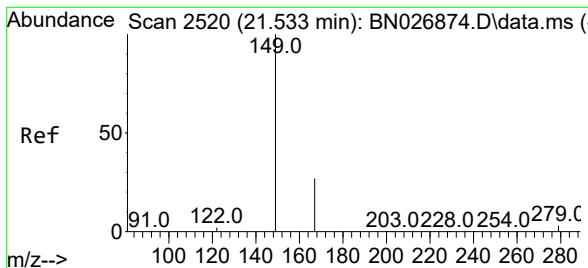
Tgt Ion:228 Resp: 3188
Ion Ratio Lower Upper
228 100
226 30.1 22.1 33.1
229 23.4 15.5 23.3#



#33
Chrysene
Concen: 0.054 ng
RT: 21.668 min Scan# 2535
Delta R.T. -0.000 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:228 Resp: 3625
Ion Ratio Lower Upper
228 100
226 33.5 24.6 37.0
229 23.1 15.5 23.3

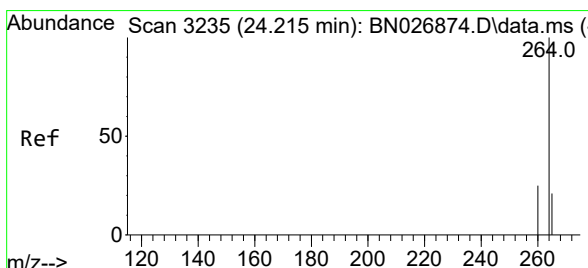
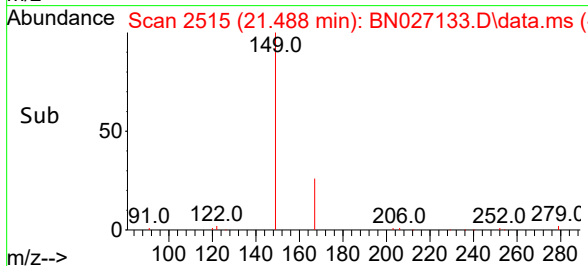
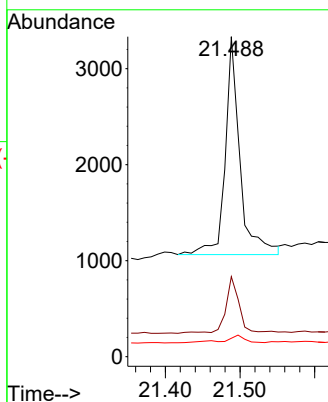
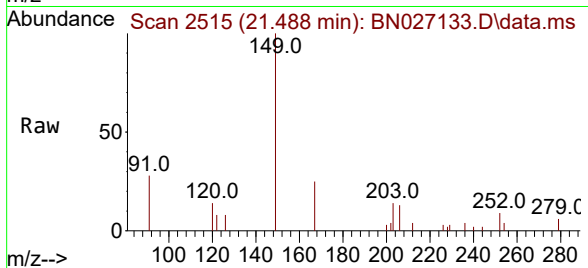




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.065 ng
 RT: 21.488 min Scan# 2149
 Delta R.T. -0.009 min
 Lab File: BN027133.D
 Acq: 26 Aug 2023 00:01

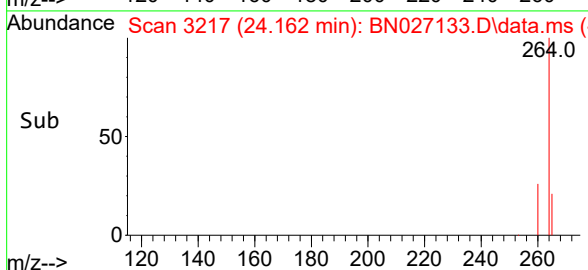
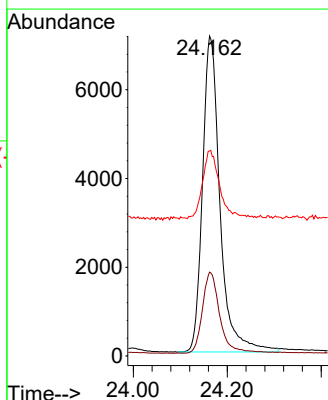
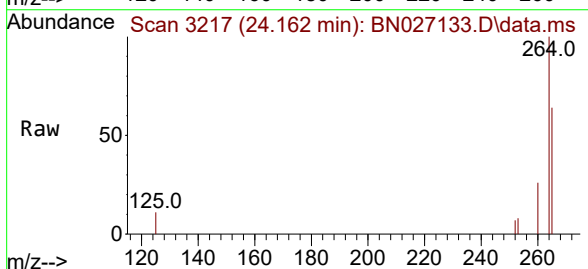
Instrument :
 BNA_N
 ClientSampleId :
 MW179D-20230814

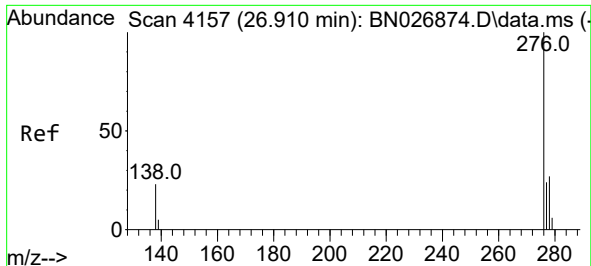
Tgt Ion:149 Resp: 3111
 Ion Ratio Lower Upper
 149 100
 167 22.1 21.4 32.0
 279 4.5 3.6 5.4



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.162 min Scan# 3217
 Delta R.T. -0.009 min
 Lab File: BN027133.D
 Acq: 26 Aug 2023 00:01

Tgt Ion:264 Resp: 18396
 Ion Ratio Lower Upper
 264 100
 260 26.2 20.4 30.6
 265 64.1 27.0 40.6#

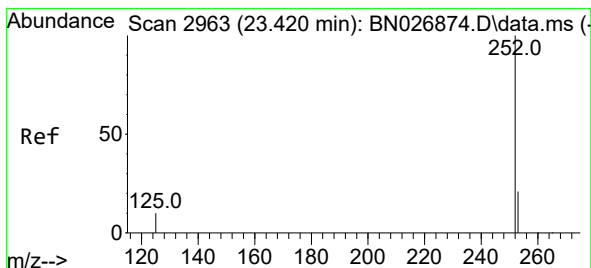
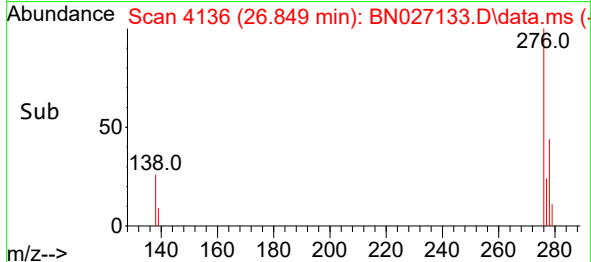
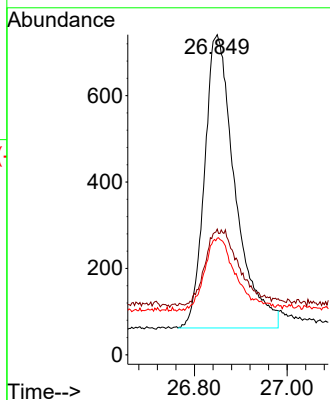
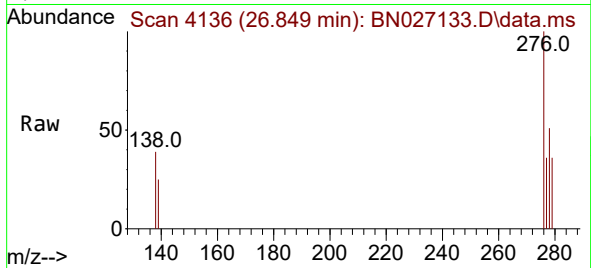




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.041 ng
RT: 26.849 min Scan# 4157
Delta R.T. -0.003 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

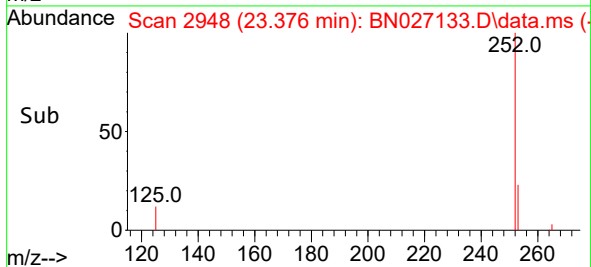
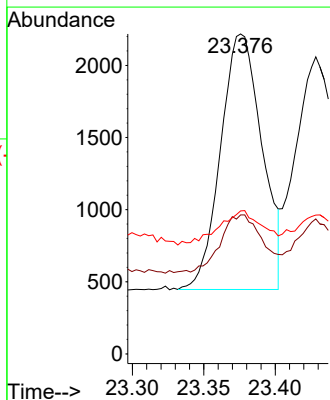
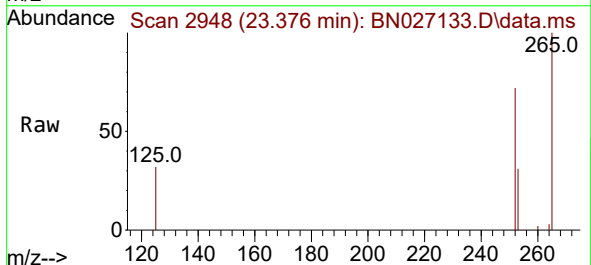
Instrument :
BNA_N
ClientSampleId :
MW179D-20230814

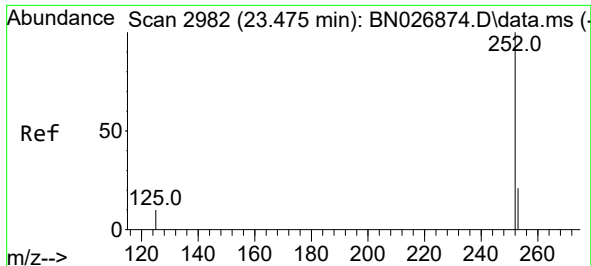
Tgt Ion: 276 Resp: 3111
Ion Ratio Lower Upper
276 100
138 12.4 21.1 31.7#
277 23.9 19.9 29.9



#37
Benzo(b)fluoranthene
Concen: 0.058 ng
RT: 23.376 min Scan# 2948
Delta R.T. -0.003 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

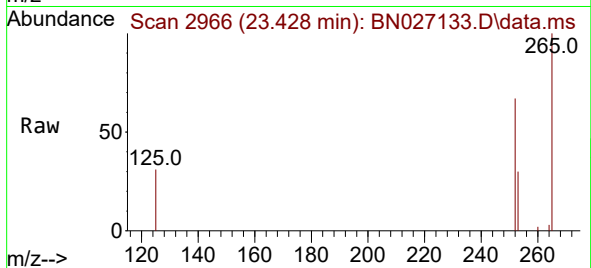
Tgt Ion: 252 Resp: 3573
Ion Ratio Lower Upper
252 100
253 43.4 18.4 27.6#
125 44.7 10.2 15.2#



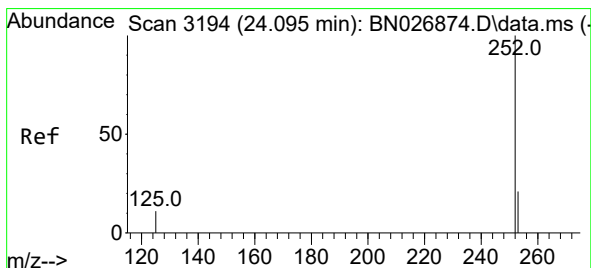
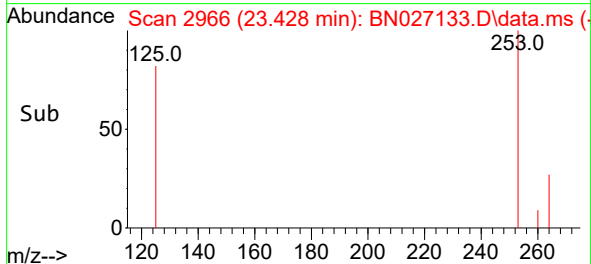
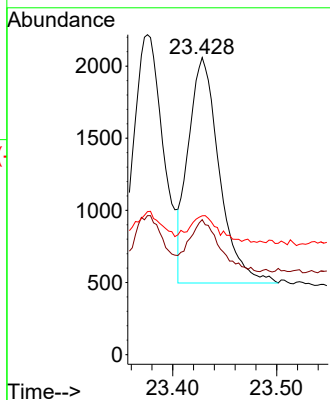


#38
Benzo(k)fluoranthene
Concen: 0.051 ng
RT: 23.428 min Scan# 2982
Delta R.T. -0.003 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Instrument :
BNA_N
ClientSampleId :
MW179D-20230814

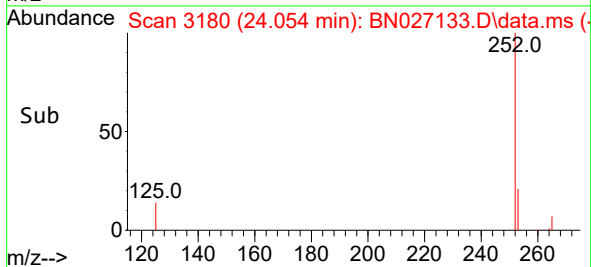
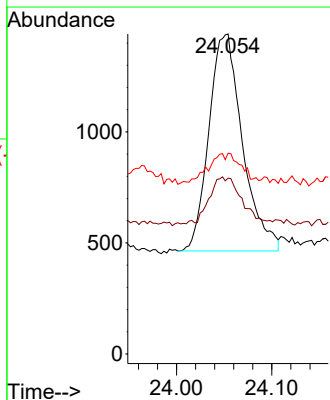
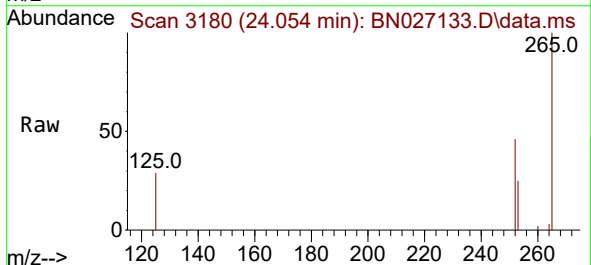


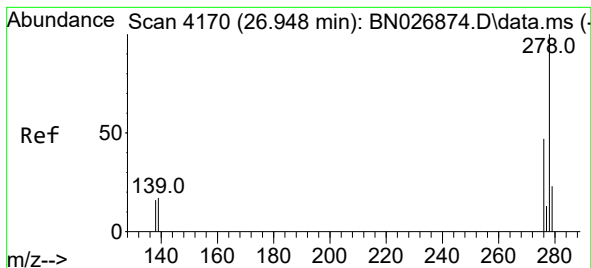
Tgt Ion:252 Resp: 3246
Ion Ratio Lower Upper
252 100
253 45.5 18.4 27.6#
125 46.7 10.2 15.2#



#39
Benzo(a)pyrene
Concen: 0.039 ng
RT: 24.054 min Scan# 3180
Delta R.T. -0.003 min
Lab File: BN027133.D
Acq: 26 Aug 2023 00:01

Tgt Ion:252 Resp: 2398
Ion Ratio Lower Upper
252 100
253 55.0 18.6 28.0#
125 62.7 11.7 17.5#





#40

Dibenzo(a,h)anthracene

Concen: 0.040 ng

RT: 26.872 min Scan# 41

Delta R.T. -0.009 min

Lab File: BN027133.D

Acq: 26 Aug 2023 00:01

Instrument :

BNA_N

ClientSampleId :

MW179D-20230814

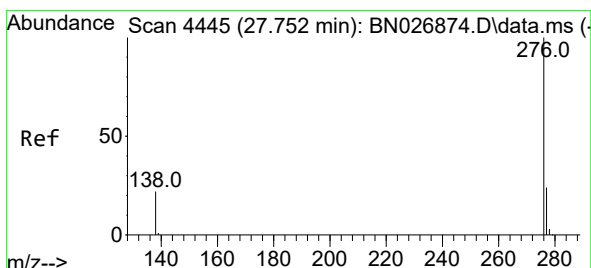
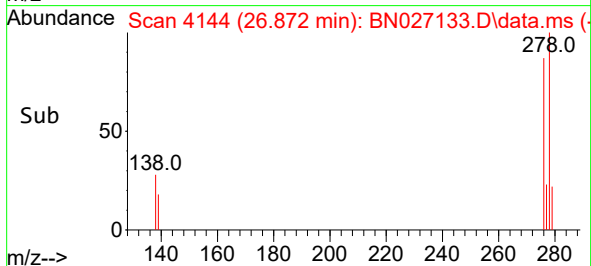
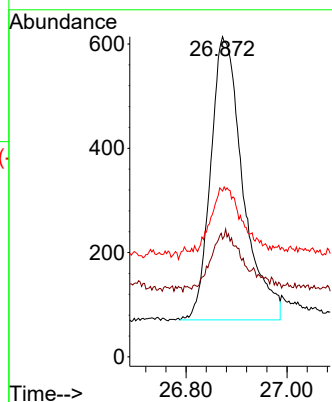
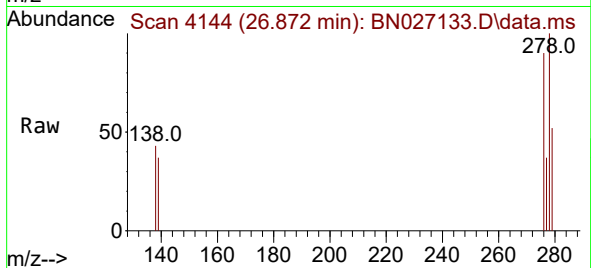
Tgt Ion:278 Resp: 2406

Ion Ratio Lower Upper

278 100

139 36.8 15.3 22.9#

279 51.8 19.9 29.9#



#41

Benzo(g,h,i)perylene

Concen: 0.046 ng

RT: 27.682 min Scan# 4421

Delta R.T. -0.006 min

Lab File: BN027133.D

Acq: 26 Aug 2023 00:01

Tgt Ion:276 Resp: 2938

Ion Ratio Lower Upper

276 100

277 35.8 19.8 29.8#

138 36.6 19.0 28.4#

