

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081123\
 Data File : BN026880.D
 Acq On : 10 Aug 2023 13:02
 Operator : MA/JU
 Sample : PB154632BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB154632BL

Quant Time: Aug 11 02:11:50 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 11 01:57:19 2023
 Response via : Initial Calibration

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

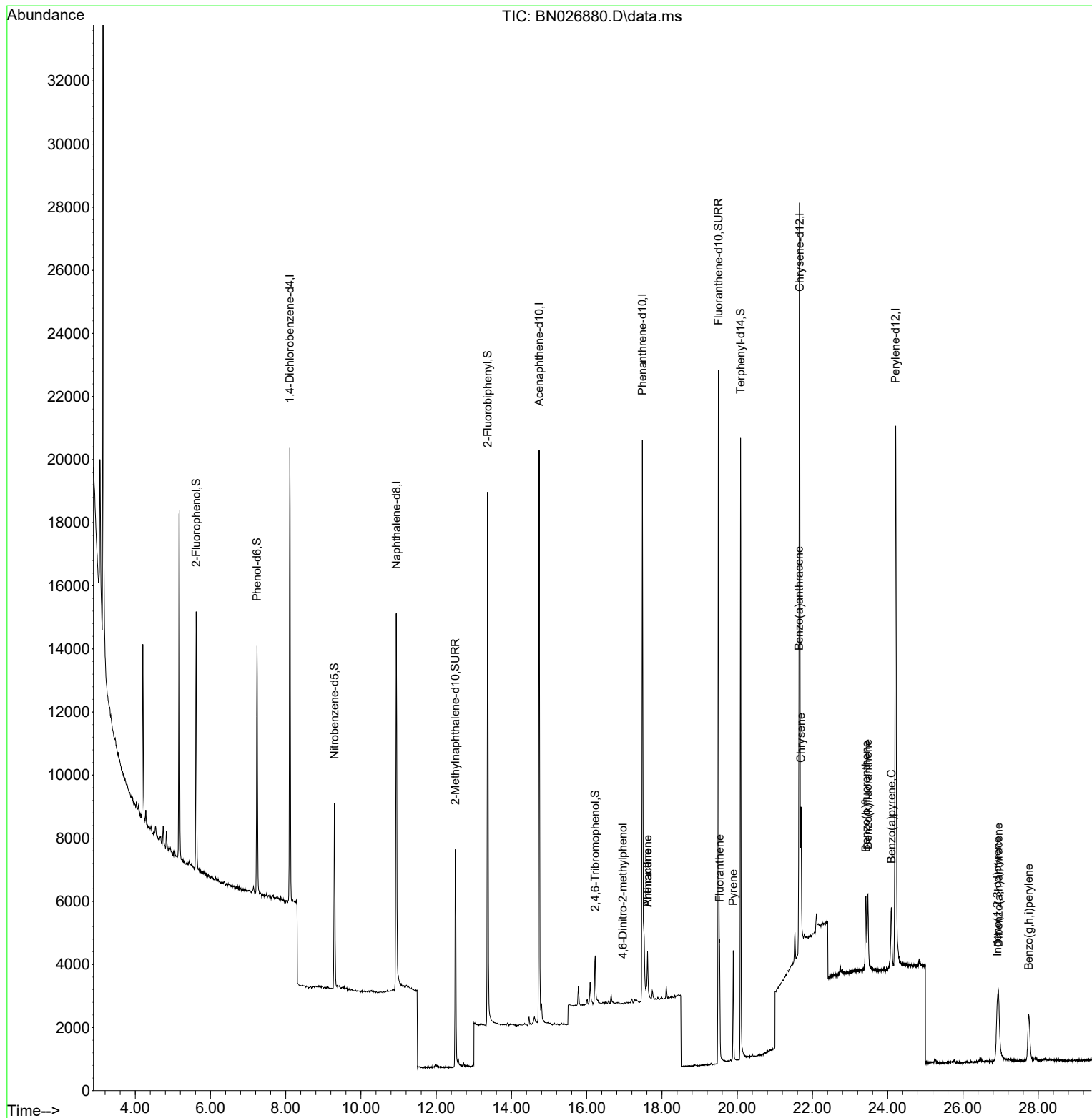
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	7040	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	17624	0.400	ng	0.00
13) Acenaphthene-d10	14.737	164	10762	0.400	ng	0.00
19) Phenanthrene-d10	17.480	188	26479	0.400	ng	0.00
29) Chrysene-d12	21.659	240	24088	0.400	ng	0.00
35) Perylene-d12	24.209	264	28045	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	6831	0.344	ng	0.00
5) Phenol-d6	7.235	99	7917	0.323	ng	0.00
8) Nitrobenzene-d5	9.294	82	4887	0.328	ng	0.00
11) 2-Methylnaphthalene-d10	12.510	152	10067	0.359	ng	0.00
14) 2,4,6-Tribromophenol	16.226	330	1110	0.194	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	15109	0.378	ng	0.00
27) Fluoranthene-d10	19.500	212	26034	0.383	ng	0.00
31) Terphenyl-d14	20.090	244	20178	0.401	ng	0.00
Target Compounds						Qvalue
20) 4,6-Dinitro-2-methylph...	16.959	198	16	0.039	ng	# 37
25) Phenanthrene	17.617	178	1819	0.024	ng	98
26) Anthracene	17.617	178	1767	0.025	ng	97
28) Fluoranthene	19.532	202	3004	0.033	ng	98
30) Pyrene	19.895	202	3145	0.034	ng	100
32) Benzo(a)anthracene	21.641	228	3351	0.039	ng	94
33) Chrysene	21.694	228	3522	0.040	ng	96
36) Indeno(1,2,3-cd)pyrene	26.911	276	4554	0.040	ng	# 87
37) Benzo(b)fluoranthene	23.420	252	3696	0.039	ng	# 53
38) Benzo(k)fluoranthene	23.472	252	3441	0.036	ng	# 55
39) Benzo(a)pyrene	24.098	252	3475	0.037	ng	# 46
40) Dibenzo(a,h)anthracene	26.943	278	3457	0.038	ng	# 64
41) Benzo(g,h,i)perylene	27.750	276	3816	0.039	ng	# 77

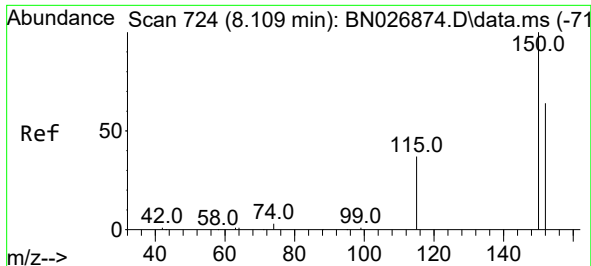
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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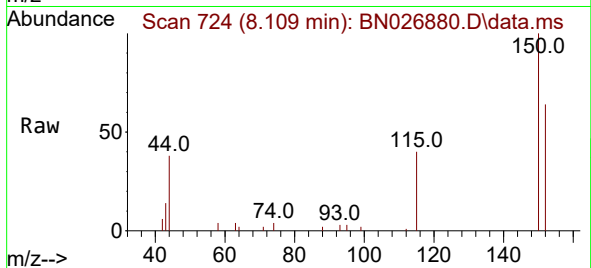
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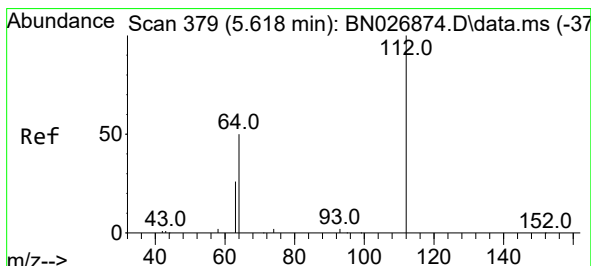
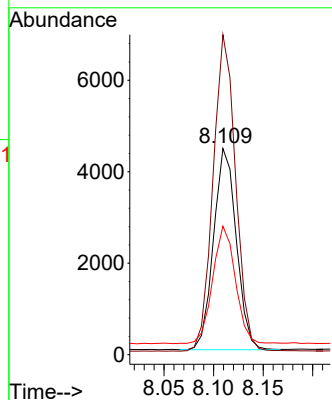
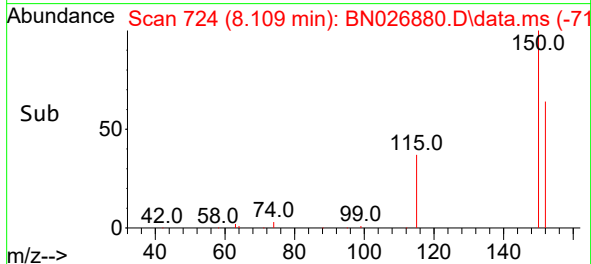


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.109 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

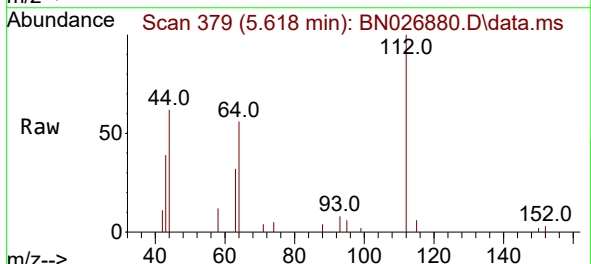
Instrument :
BNA_N
ClientSampleId :
PB154632BL



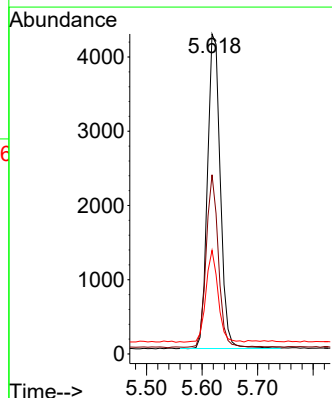
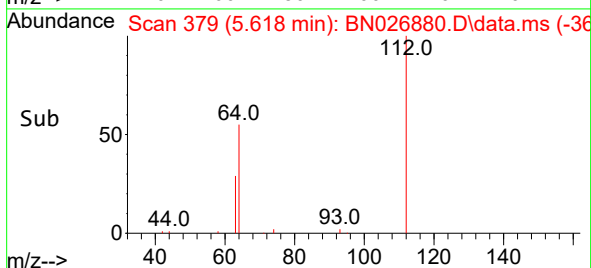
Tgt Ion:152 Resp: 7040
Ion Ratio Lower Upper
152 100
150 155.1 123.8 185.6
115 62.3 49.7 74.5

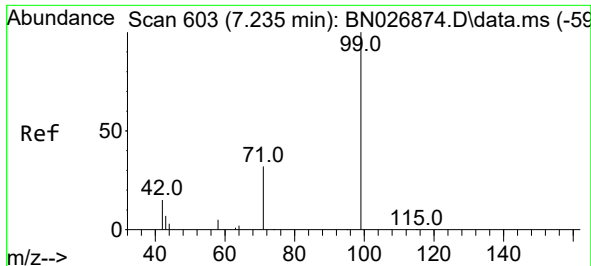


#4
2-Fluorophenol
Concen: 0.344 ng
RT: 5.618 min Scan# 379
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02



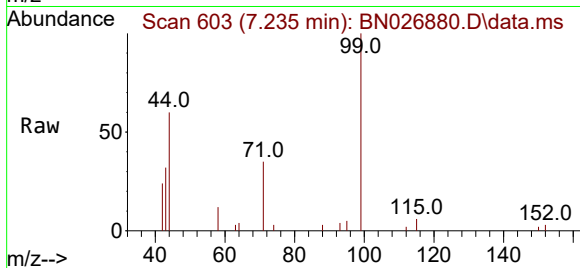
Tgt Ion:112 Resp: 6831
Ion Ratio Lower Upper
112 100
64 51.7 41.5 62.3
63 27.5 21.7 32.5



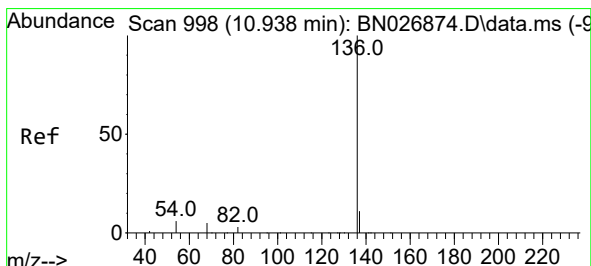
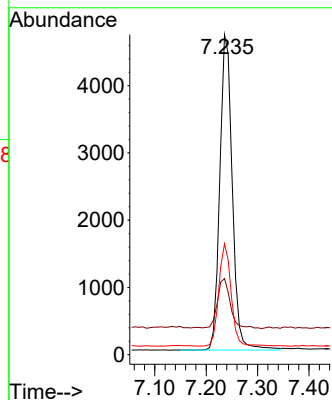
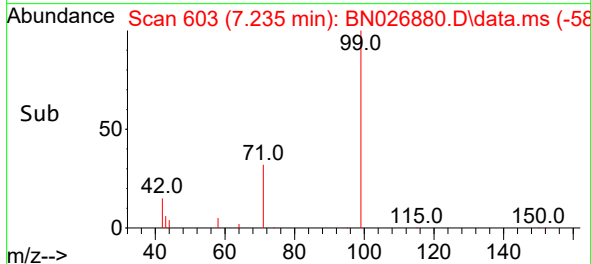


#5
Phenol-d6
Concen: 0.323 ng
RT: 7.235 min Scan# 603
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

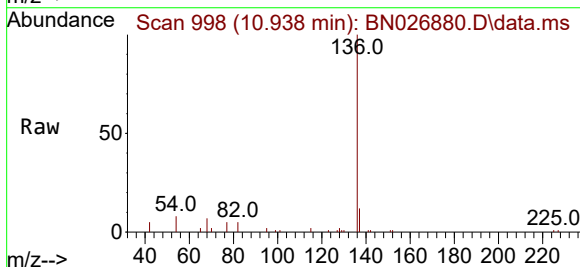
Instrument :
BNA_N
ClientSampleId :
PB154632BL



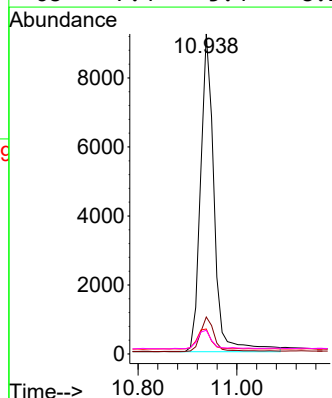
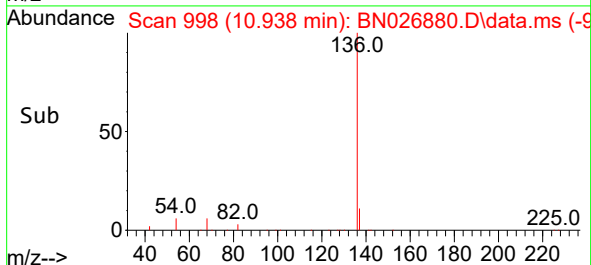
Tgt Ion:	99	Resp:	7917
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.6	20.4
71	31.9	26.0	39.0

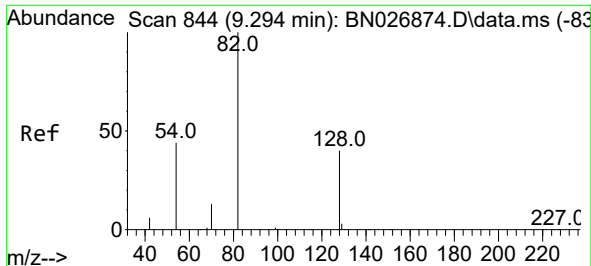


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02



Tgt Ion:	136	Resp:	17624
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	7.8	5.5	8.3
68	7.4	5.4	8.2

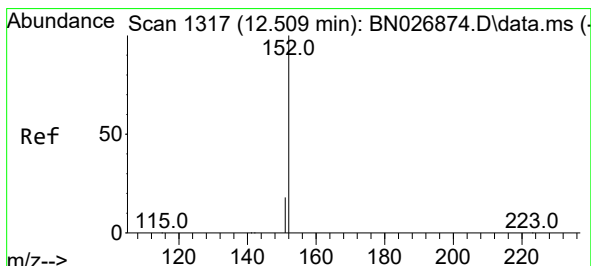
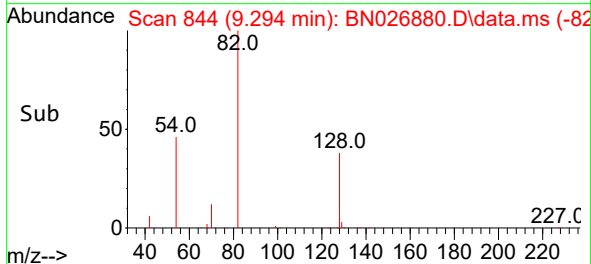
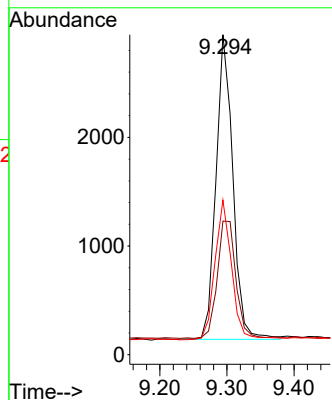
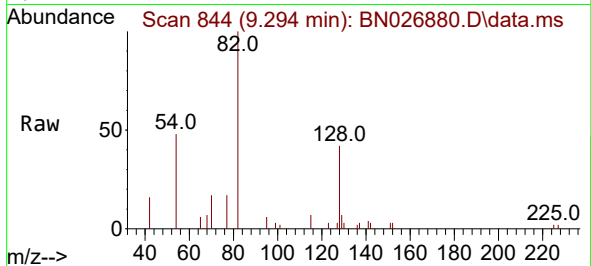




#8
Nitrobenzene-d5
Concen: 0.328 ng
RT: 9.294 min Scan# 844
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

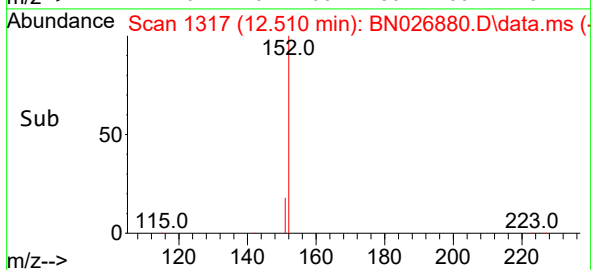
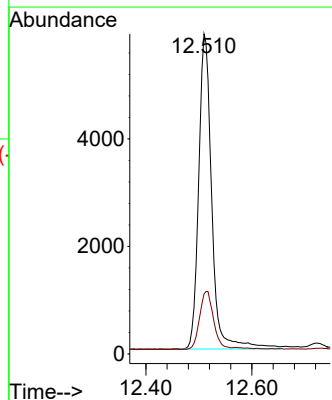
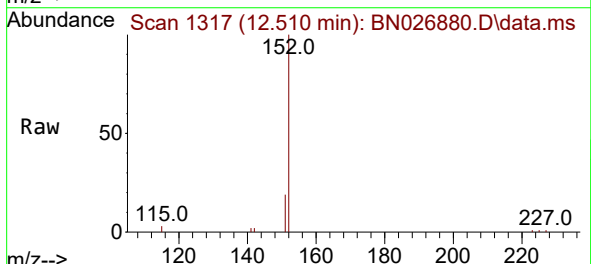
Instrument :
BNA_N
ClientSampleId :
PB154632BL

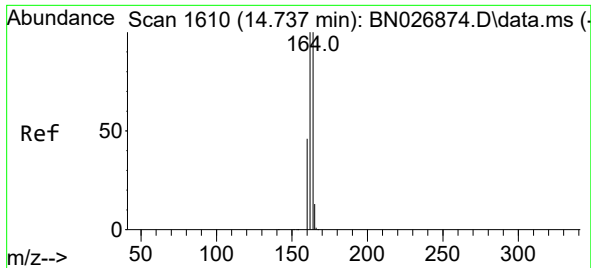
Tgt Ion: 82 Resp: 4887
Ion Ratio Lower Upper
82 100
128 41.8 34.1 51.1
54 48.3 37.0 55.4



#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.510 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

Tgt Ion: 152 Resp: 10067
Ion Ratio Lower Upper
152 100
151 19.6 16.3 24.5

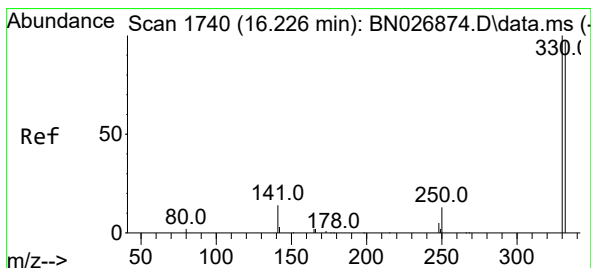
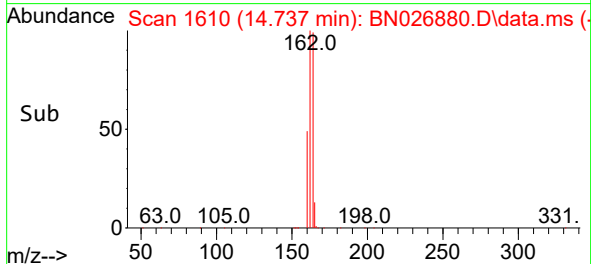
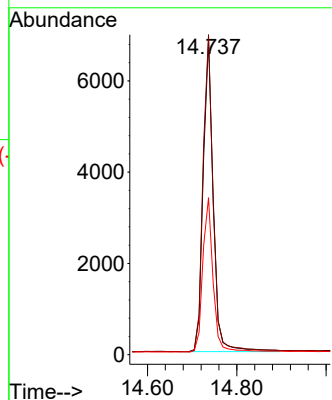
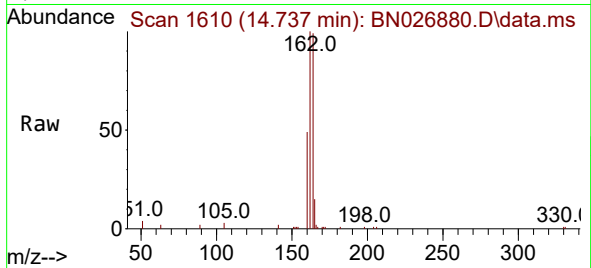




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.737 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

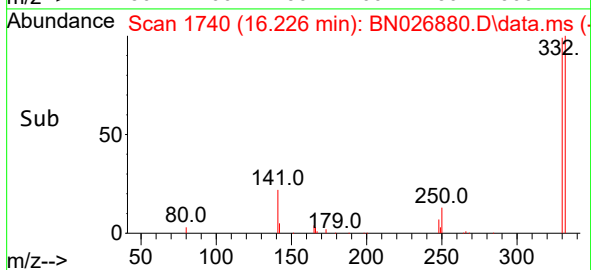
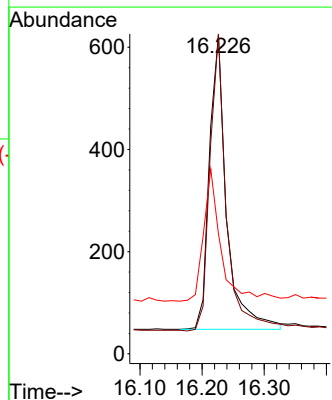
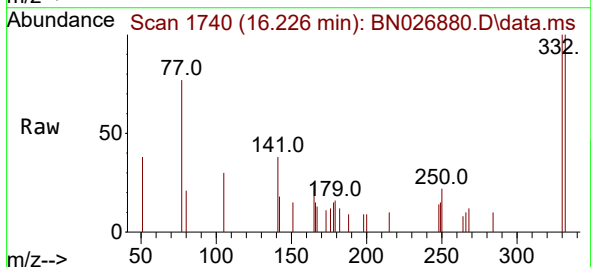
Instrument :
BNA_N
ClientSampleId :
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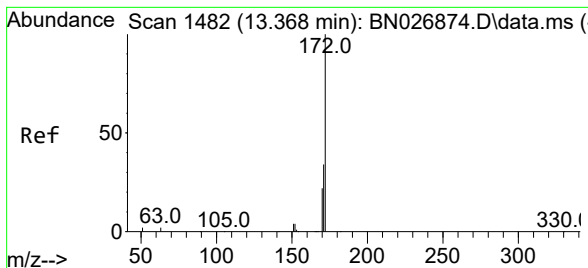
Tgt Ion:164 Resp: 10762
Ion Ratio Lower Upper
164 100
162 101.5 79.7 119.5
160 49.8 37.4 56.0



#14
2,4,6-Tribromophenol
Concen: 0.194 ng
RT: 16.226 min Scan# 1740
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

Tgt Ion:330 Resp: 1110
Ion Ratio Lower Upper
330 100
332 96.9 76.6 114.8
141 45.3 32.3 48.5

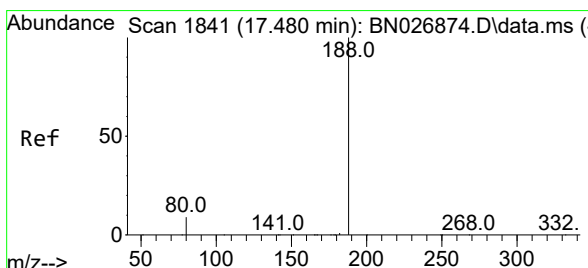
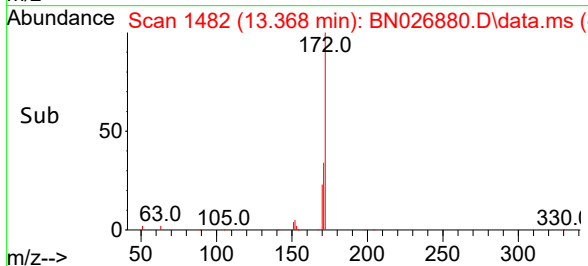
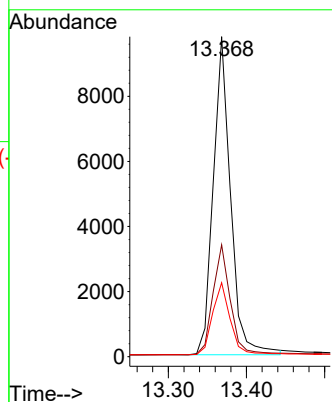
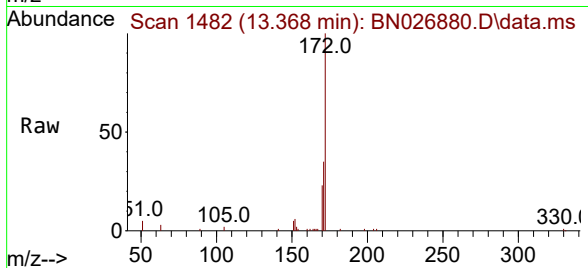




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 13.368 min Scan# 1482
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

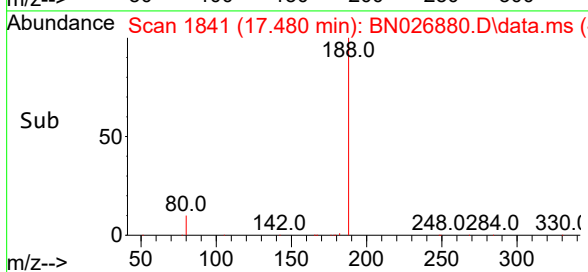
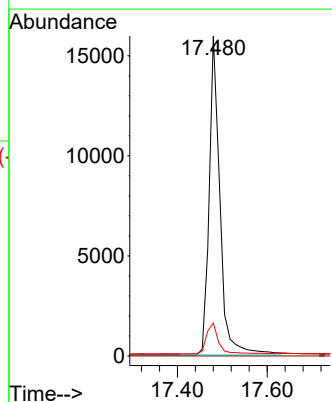
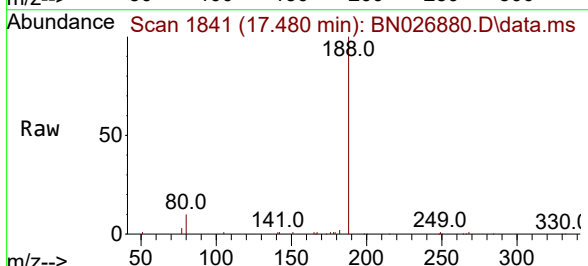
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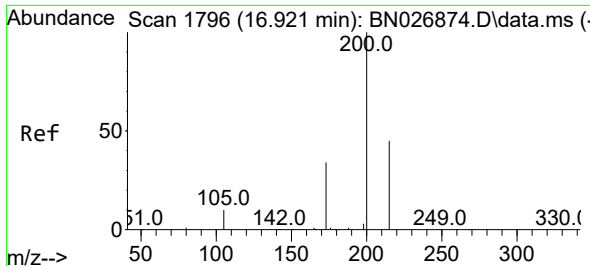
Tgt Ion:172 Resp: 15109
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.1 18.0 27.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

Tgt Ion:188 Resp: 26479
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.3 7.4 11.2

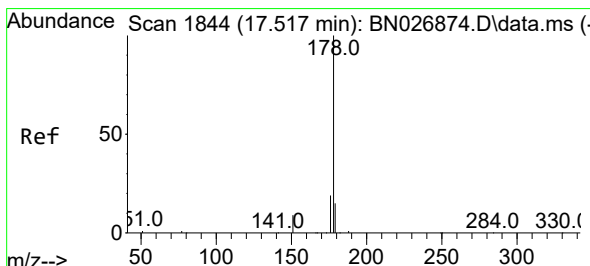
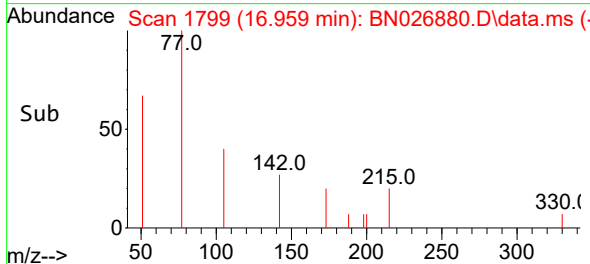
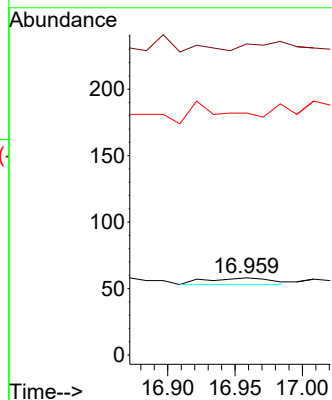
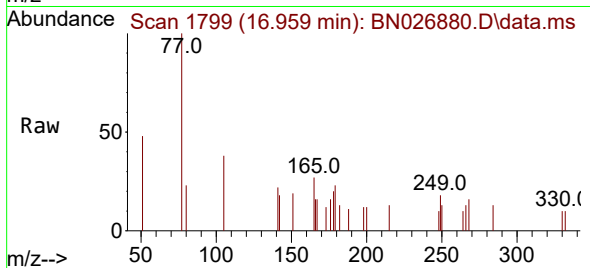




#20
4,6-Dinitro-2-methylphenol
Concen: 0.039 ng
RT: 16.959 min Scan# 11
Delta R.T. 0.037 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

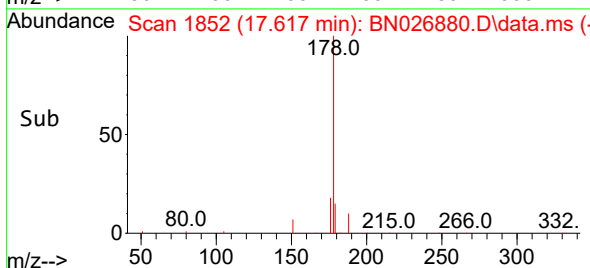
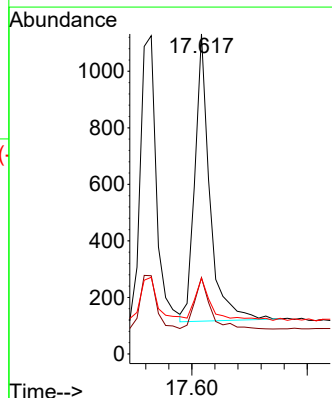
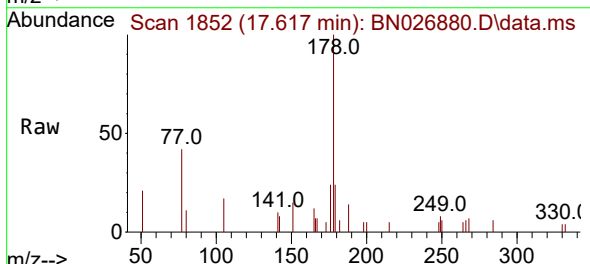
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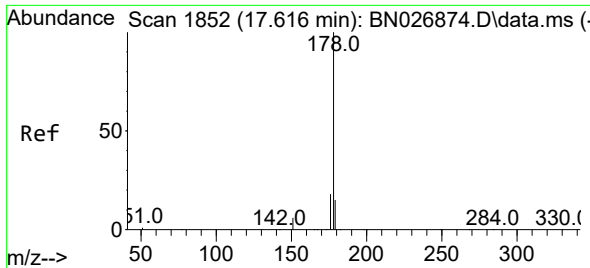
Tgt Ion:198 Resp: 16
Ion Ratio Lower Upper
198 100
51 403.4 143.8 215.8#
105 313.8 273.5 410.3



#25
Phenanthrene
Concen: 0.024 ng
RT: 17.617 min Scan# 1852
Delta R.T. 0.099 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

Tgt Ion:178 Resp: 1819
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 16.7 12.2 18.4

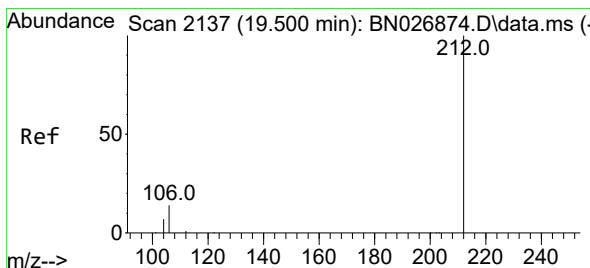
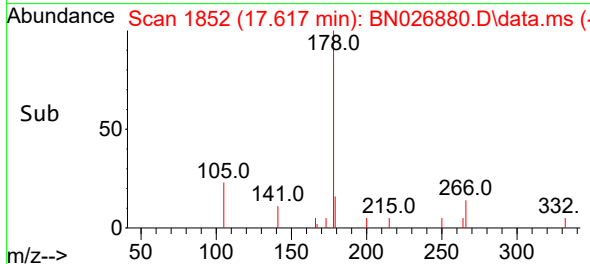
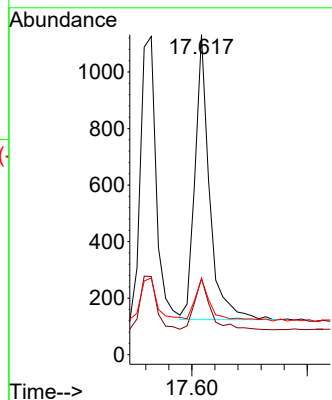
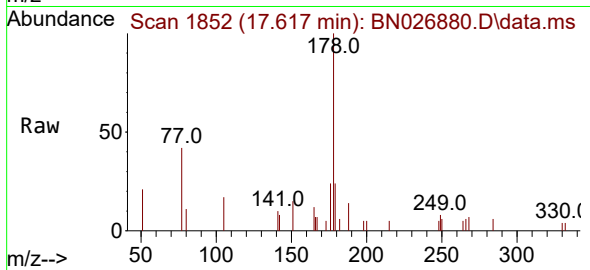




#26
 Anthracene
 Concen: 0.025 ng
 RT: 17.617 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BN026880.D
 Acq: 10 Aug 2023 13:02

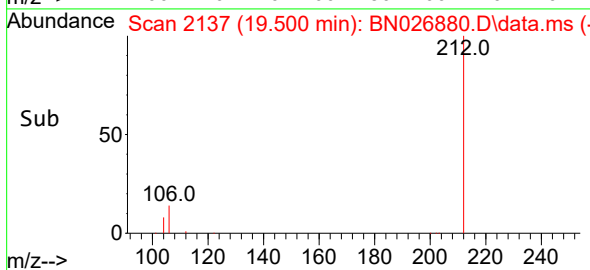
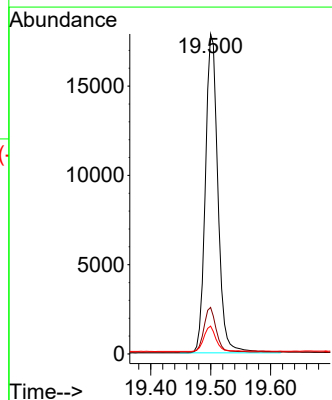
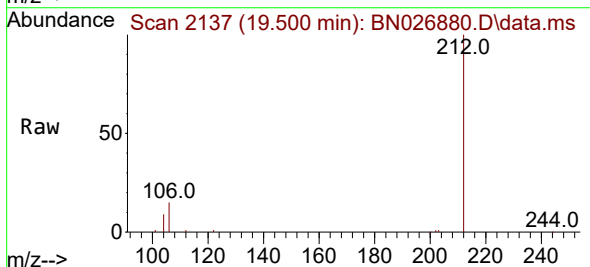
Instrument :
 BNA_N
 ClientSampleId :
 PB154632BL

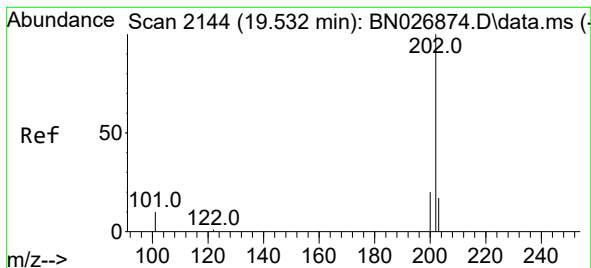
Tgt Ion:178 Resp: 1767
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.8 22.2
 179 16.3 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.383 ng
 RT: 19.500 min Scan# 2137
 Delta R.T. 0.000 min
 Lab File: BN026880.D
 Acq: 10 Aug 2023 13:02

Tgt Ion:212 Resp: 26034
 Ion Ratio Lower Upper
 212 100
 106 13.7 10.9 16.3
 104 7.7 5.9 8.9





#28

Fluoranthene

Concen: 0.033 ng

RT: 19.532 min Scan# 2144

Delta R.T. 0.000 min

Lab File: BN026880.D

Acq: 10 Aug 2023 13:02

Instrument :

BNA_N

ClientSampleId :

PB154632BL

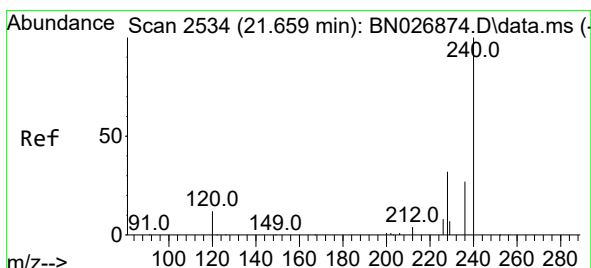
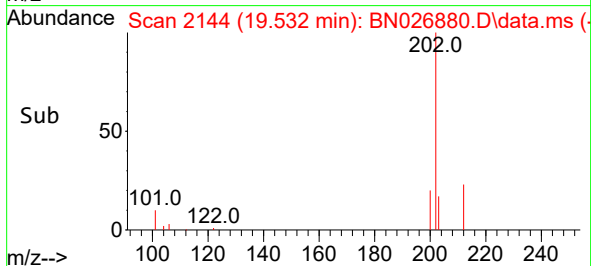
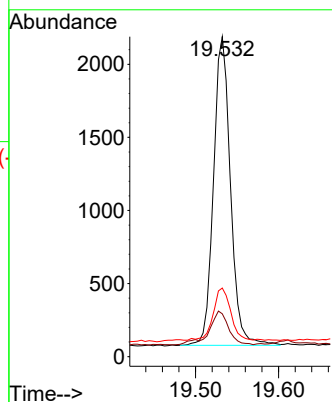
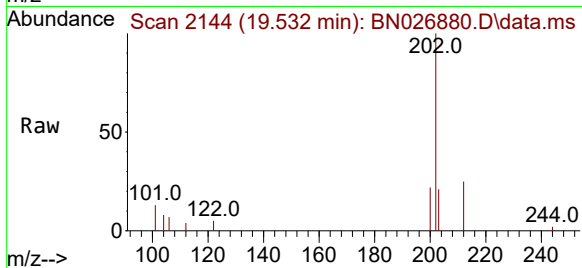
Tgt Ion:202 Resp: 3004

Ion Ratio Lower Upper

202 100

101 12.4 8.9 13.3

203 17.6 13.7 20.5



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.659 min Scan# 2534

Delta R.T. 0.000 min

Lab File: BN026880.D

Acq: 10 Aug 2023 13:02

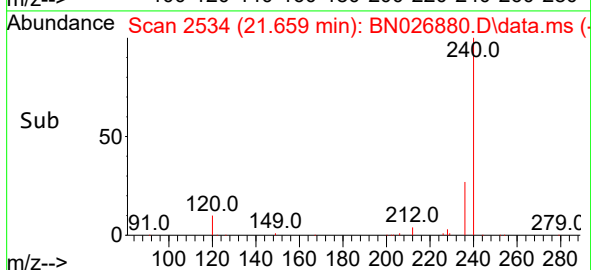
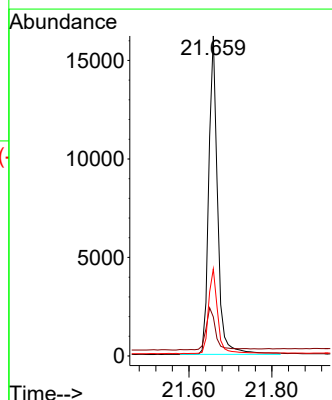
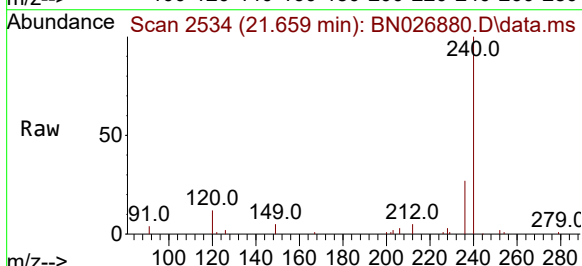
Tgt Ion:240 Resp: 24088

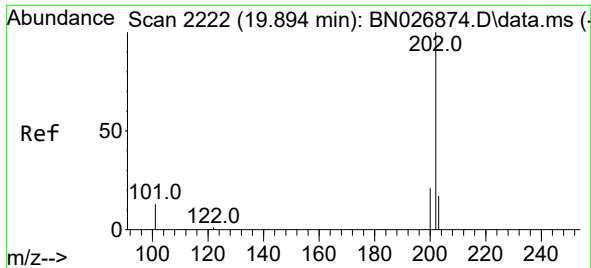
Ion Ratio Lower Upper

240 100

120 12.2 11.1 16.7

236 27.2 22.2 33.2

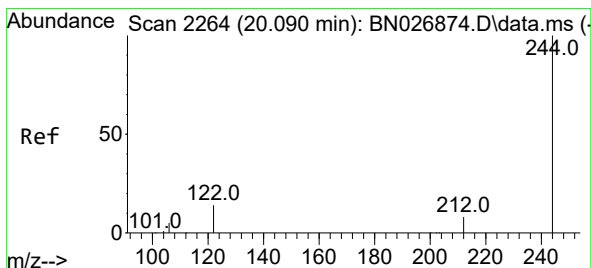
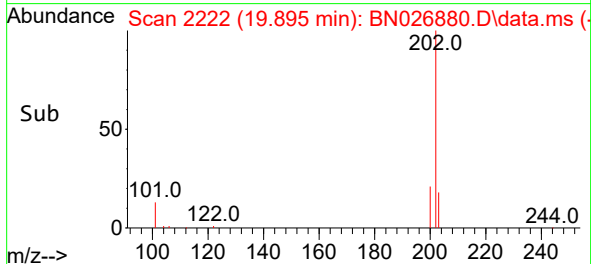
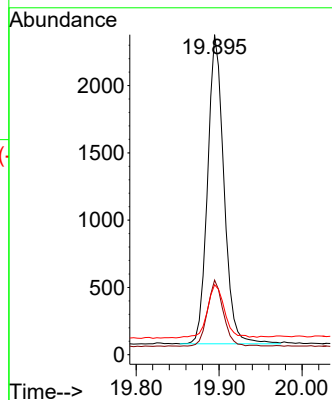
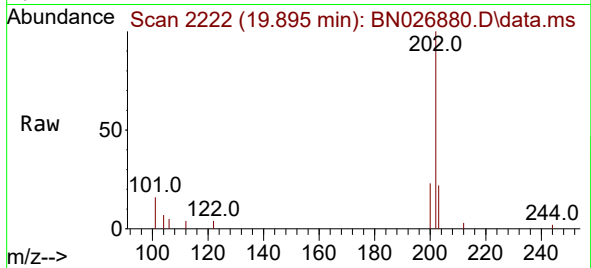




#30
Pyrene
Concen: 0.034 ng
RT: 19.895 min Scan# 211
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

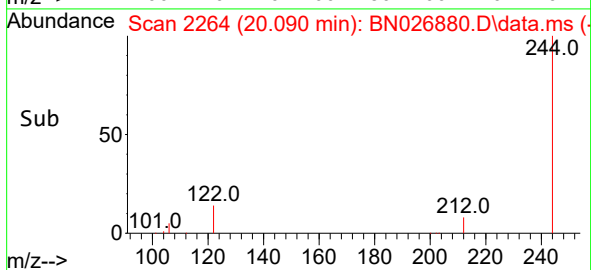
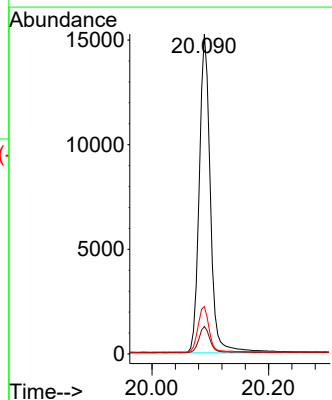
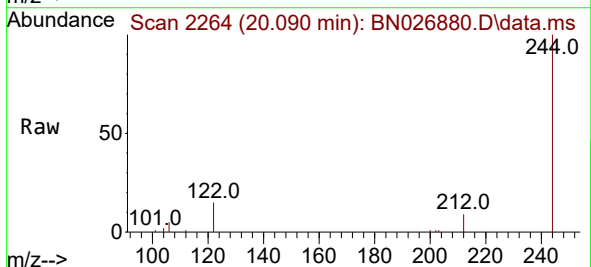
Instrument :
BNA_N
ClientSampleId :
PB154632BL

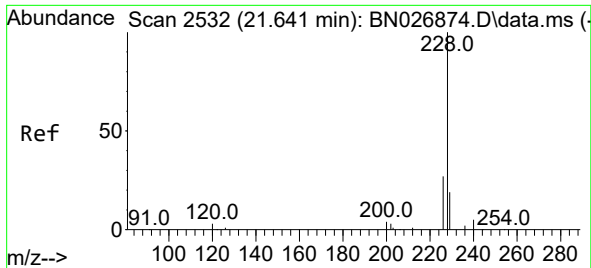
Tgt Ion:202 Resp: 3145
Ion Ratio Lower Upper
202 100
200 20.7 16.6 25.0
203 18.3 14.4 21.6



#31
Terphenyl-d14
Concen: 0.401 ng
RT: 20.090 min Scan# 2264
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

Tgt Ion:244 Resp: 20178
Ion Ratio Lower Upper
244 100
212 8.6 6.9 10.3
122 14.8 11.9 17.9

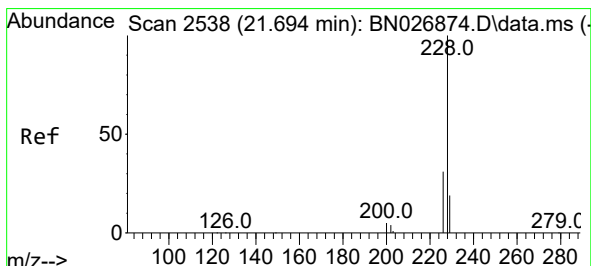
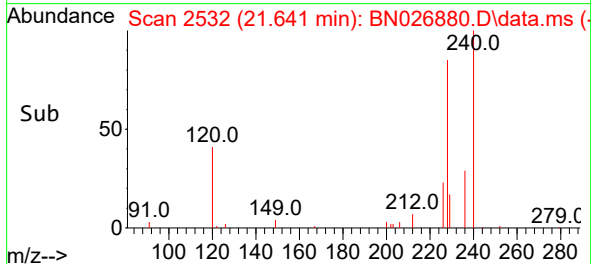
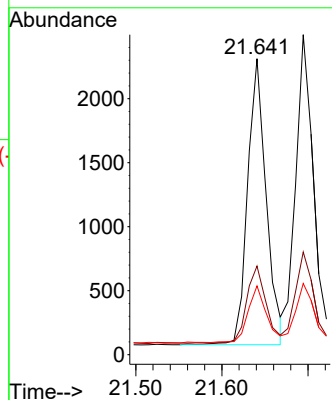
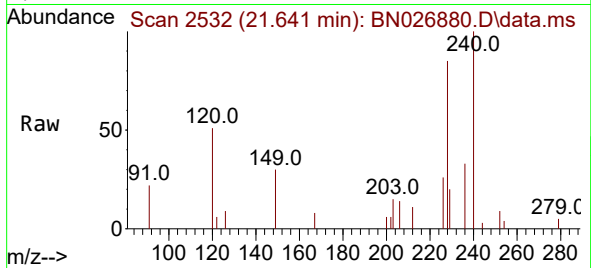




#32
Benzo(a)anthracene
Concen: 0.039 ng
RT: 21.641 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

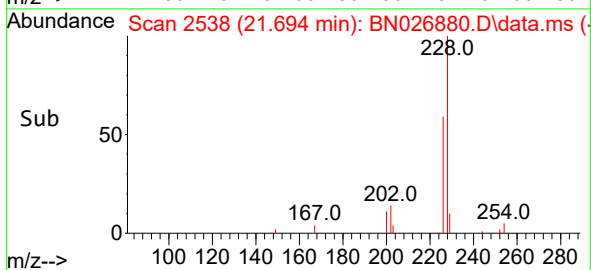
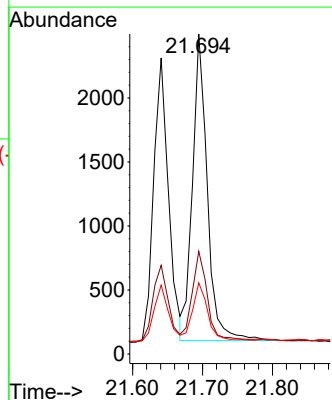
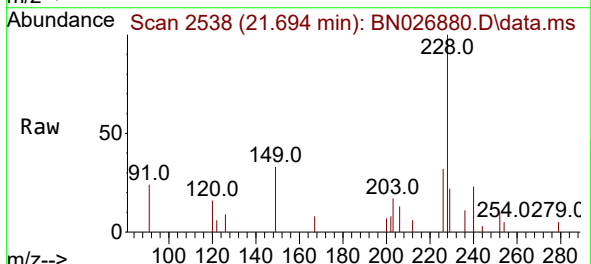
Instrument :
BNA_N
ClientSampleId :
PB154632BL

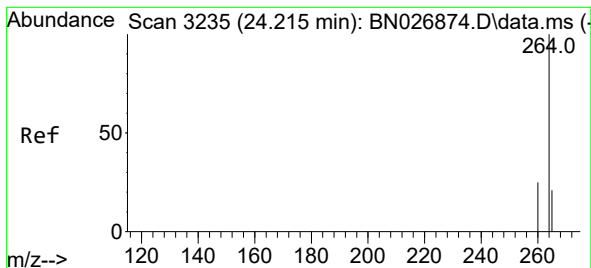
Tgt Ion:228 Resp: 3351
Ion Ratio Lower Upper
228 100
226 29.9 22.1 33.1
229 23.2 15.5 23.3



#33
Chrysene
Concen: 0.040 ng
RT: 21.694 min Scan# 2538
Delta R.T. 0.000 min
Lab File: BN026880.D
Acq: 10 Aug 2023 13:02

Tgt Ion:228 Resp: 3522
Ion Ratio Lower Upper
228 100
226 32.1 24.6 37.0
229 22.2 15.5 23.3





#35

Perylene-d12

Concen: 0.400 ng

RT: 24.209 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN026880.D

Acq: 10 Aug 2023 13:02

Instrument :

BNA_N

ClientSampleId :

PB154632BL

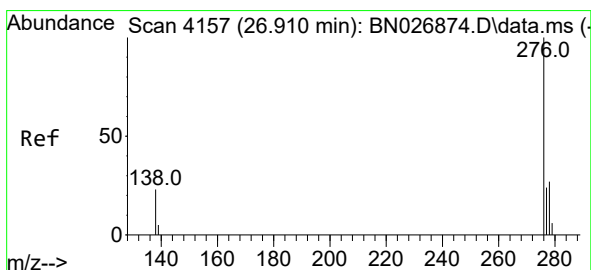
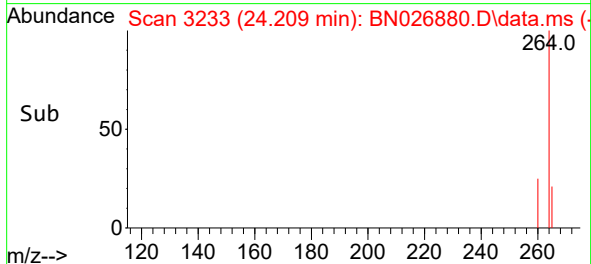
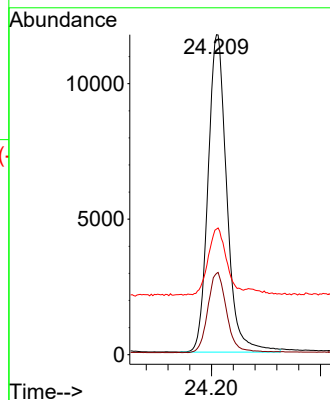
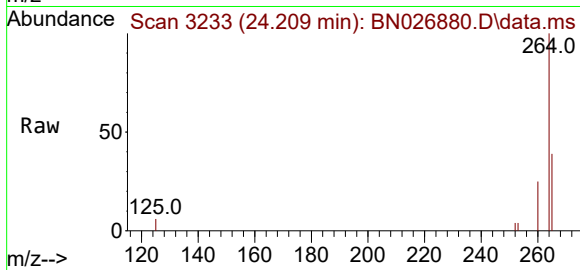
Tgt Ion:264 Resp: 28045

Ion Ratio Lower Upper

264 100

260 25.4 20.4 30.6

265 39.3 27.0 40.6



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.040 ng

RT: 26.911 min Scan# 4157

Delta R.T. 0.000 min

Lab File: BN026880.D

Acq: 10 Aug 2023 13:02

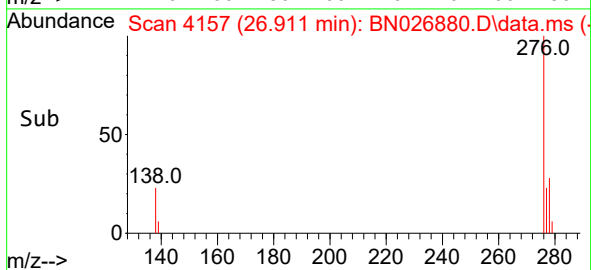
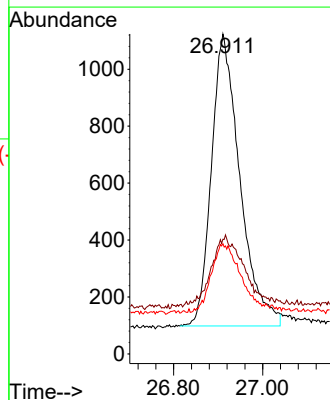
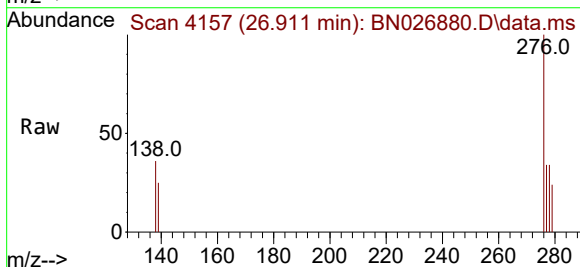
Tgt Ion:276 Resp: 4554

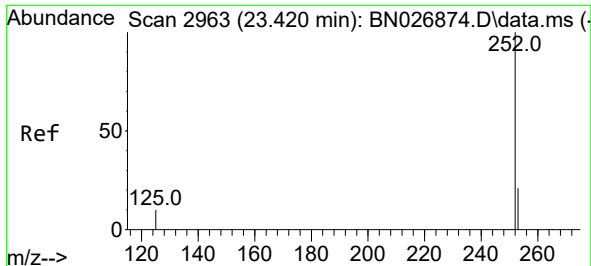
Ion Ratio Lower Upper

276 100

138 14.7 21.1 31.7#

277 23.7 19.9 29.9





#37

Benzo(b)fluoranthene

Concen: 0.039 ng

RT: 23.420 min Scan# 2963

Delta R.T. 0.000 min

Lab File: BN026880.D

Acq: 10 Aug 2023 13:02

Instrument :

BNA_N

ClientSampleId :

PB154632BL

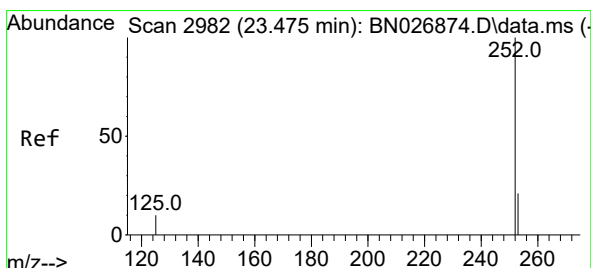
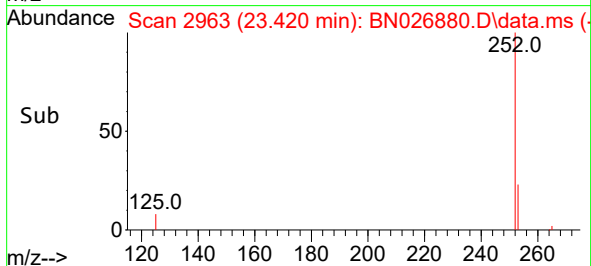
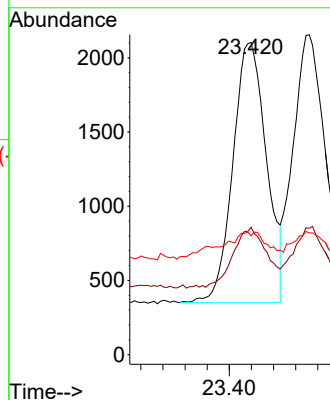
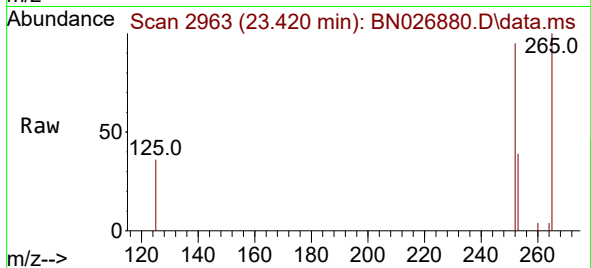
Tgt Ion:252 Resp: 3696

Ion Ratio Lower Upper

252 100

253 40.8 18.4 27.6#

125 38.1 10.2 15.2#



#38

Benzo(k)fluoranthene

Concen: 0.036 ng

RT: 23.472 min Scan# 2981

Delta R.T. -0.003 min

Lab File: BN026880.D

Acq: 10 Aug 2023 13:02

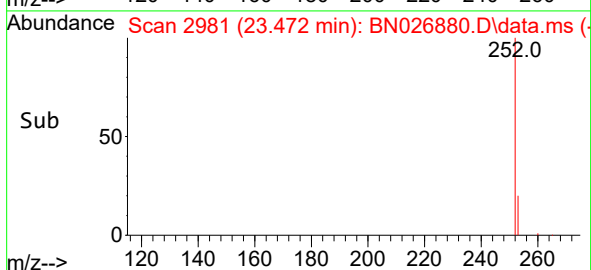
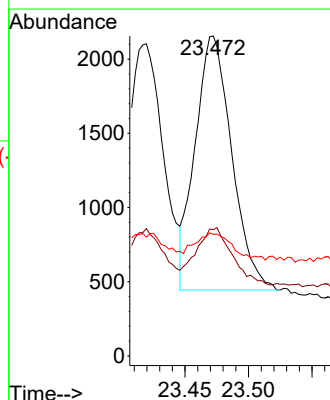
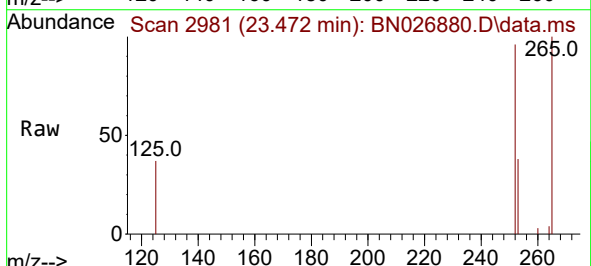
Tgt Ion:252 Resp: 3441

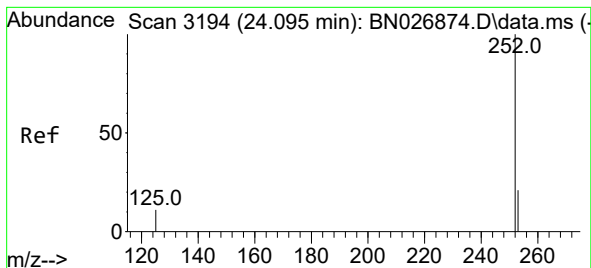
Ion Ratio Lower Upper

252 100

253 39.5 18.4 27.6#

125 38.0 10.2 15.2#





#39

Benzo(a)pyrene

Concen: 0.037 ng

RT: 24.098 min Scan# 3194

Delta R.T. 0.003 min

Lab File: BN026880.D

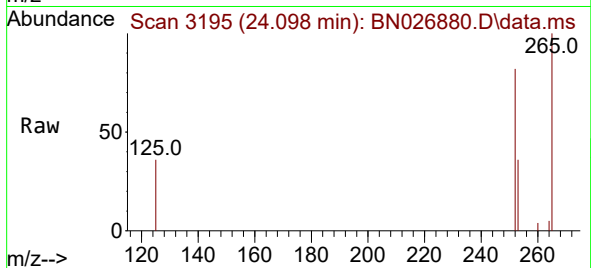
Acq: 10 Aug 2023 13:02

Instrument :

BNA_N

ClientSampleId :

PB154632BL



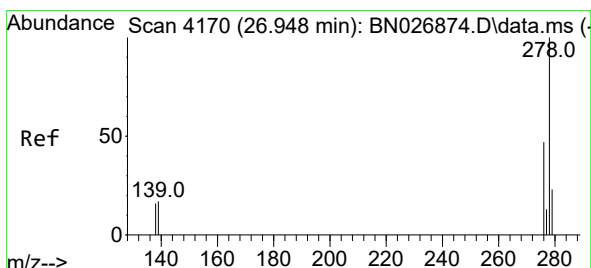
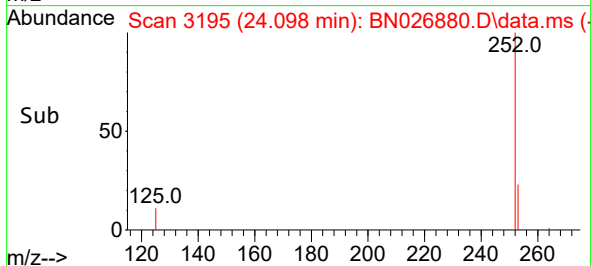
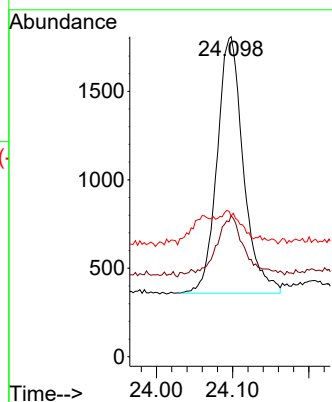
Tgt Ion:252 Resp: 3475

Ion Ratio Lower Upper

252 100

253 44.1 18.6 28.0#

125 44.0 11.7 17.5#



#40

Dibenzo(a,h)anthracene

Concen: 0.038 ng

RT: 26.943 min Scan# 4168

Delta R.T. -0.006 min

Lab File: BN026880.D

Acq: 10 Aug 2023 13:02

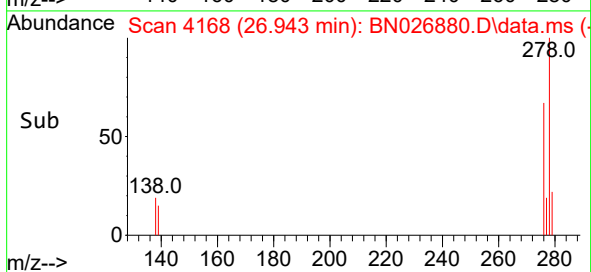
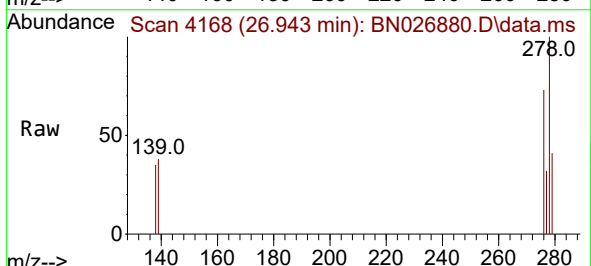
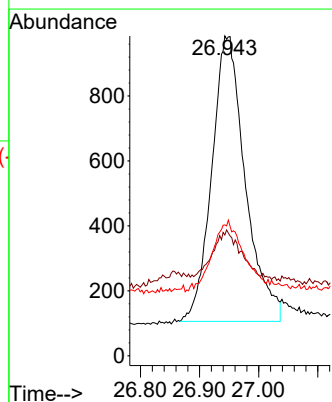
Tgt Ion:278 Resp: 3457

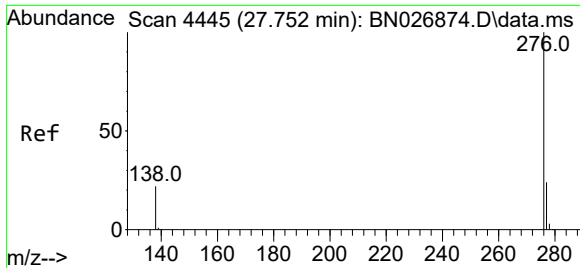
Ion Ratio Lower Upper

278 100

139 37.8 15.3 22.9#

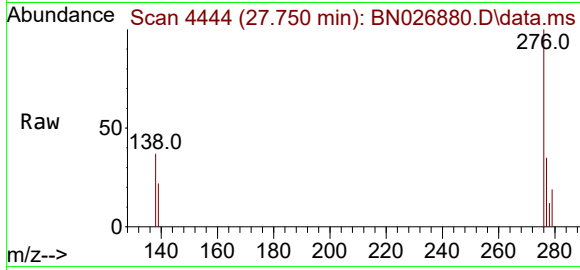
279 40.9 19.9 29.9#





#41
 Benzo(g,h,i)perylene
 Concen: 0.039 ng
 RT: 27.750 min Scan# 44
 Delta R.T. -0.003 min
 Lab File: BN026880.D
 Acq: 10 Aug 2023 13:02

Instrument :
 BNA_N
 ClientSampleId :
 PB154632BL



Tgt Ion: 276 Resp: 3816
 Ion Ratio Lower Upper
 276 100
 277 35.0 19.8 29.8#
 138 36.5 19.0 28.4#

