

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN080723\
 Data File : BN026836.D
 Acq On : 07 Aug 2023 18:21
 Operator : MA/JU
 Sample : 03909-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230803

Quant Time: Aug 08 00:51:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 00:35:47 2023
 Response via : Initial Calibration

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

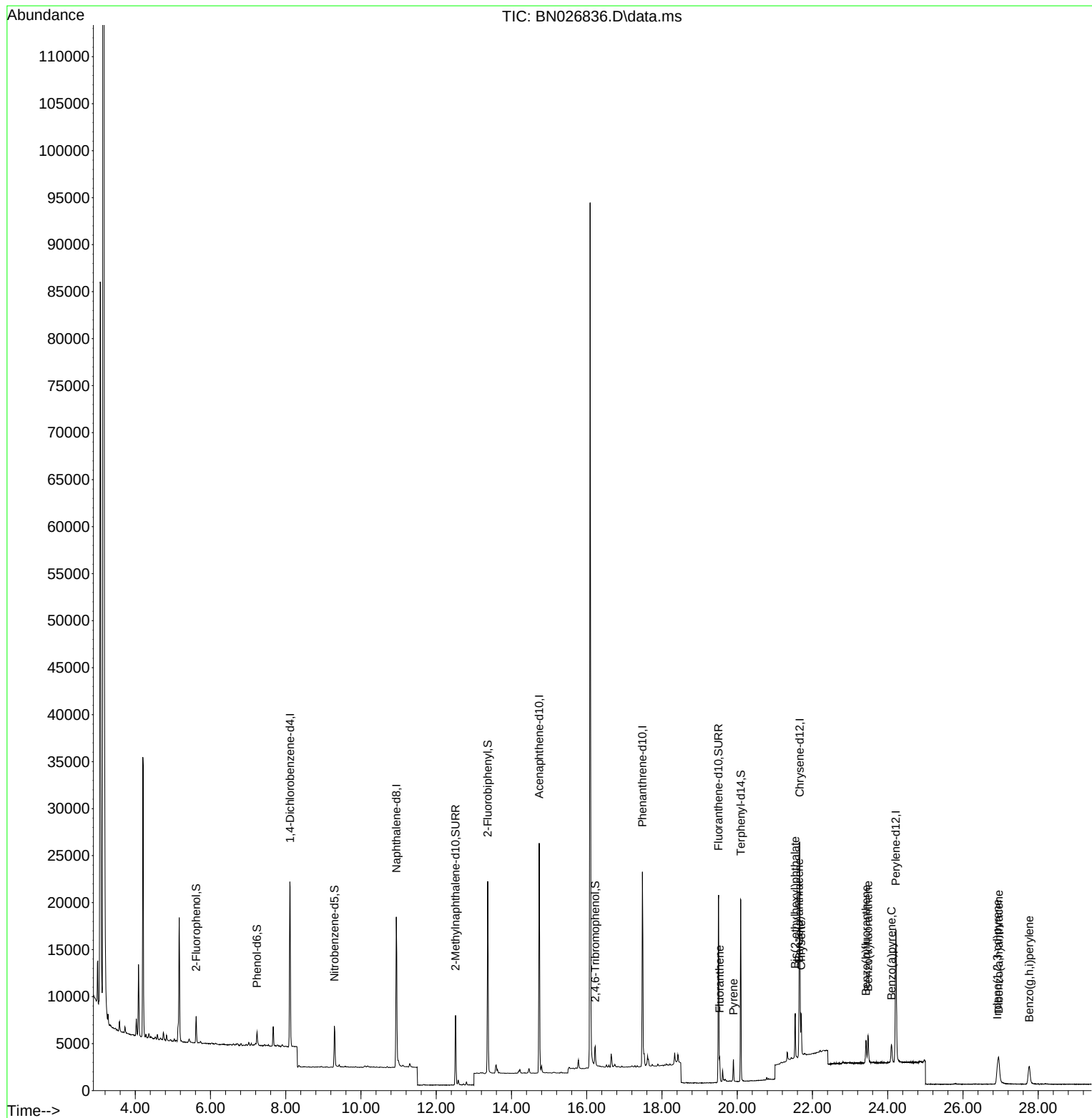
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.117	152	8808	0.400	ng	0.00
7) Naphthalene-d8	10.938	136	23398	0.400	ng	-0.01
13) Acenaphthene-d10	14.737	164	13732	0.400	ng	-0.01
19) Phenanthrene-d10	17.480	188	28896	0.400	ng	-0.01
29) Chrysene-d12	21.659	240	21220	0.400	ng	#-0.02
35) Perylene-d12	24.215	264	22001	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.618	112	2270	0.102	ng	0.00
5) Phenol-d6	7.236	99	1369	0.047	ng	0.00
8) Nitrobenzene-d5	9.294	82	3780	0.273	ng	-0.01
11) 2-Methylnaphthalene-d10	12.513	152	10072	0.300	ng	-0.01
14) 2,4,6-Tribromophenol	16.226	330	1401	0.300	ng	0.00
15) 2-Fluorobiphenyl	13.368	172	17514	0.312	ng	-0.01
27) Fluoranthene-d10	19.504	212	22001	0.317	ng	0.00
31) Terphenyl-d14	20.094	244	20097	0.454	ng	-0.01
Target Compounds						Qvalue
28) Fluoranthene	19.532	202	2069	0.021	ng	94
30) Pyrene	19.899	202	2032	0.022	ng	98
32) Benzo(a)anthracene	21.641	228	3084	0.042	ng	92
33) Chrysene	21.704	228	4177	0.052	ng	97
34) Bis(2-ethylhexyl)phtha...	21.542	149	5185	0.215	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.916	276	5031	0.056	ng	97
37) Benzo(b)fluoranthene	23.423	252	3401	0.039	ng	# 66
38) Benzo(k)fluoranthene	23.478	252	4288	0.048	ng	# 72
39) Benzo(a)pyrene	24.101	252	3223	0.041	ng	# 57
40) Dibenzo(a,h)anthracene	26.952	278	4492	0.064	ng	# 84
41) Benzo(g,h,i)perylene	27.764	276	4978	0.060	ng	# 88

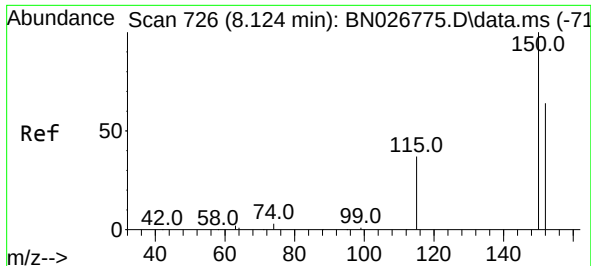
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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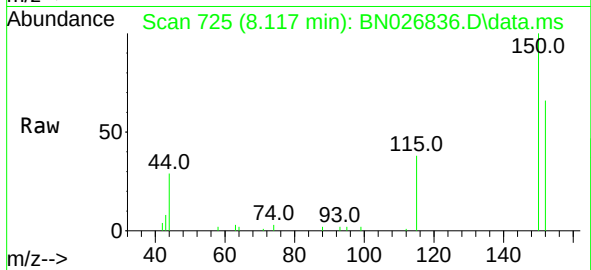
Quant Time: Aug 08 00:51:28 2023
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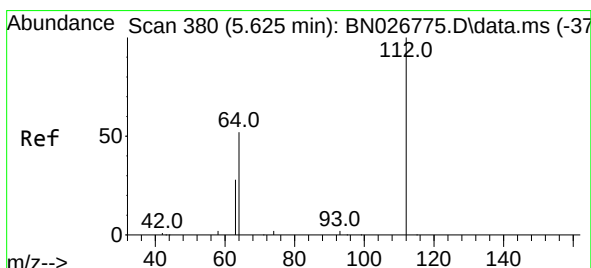
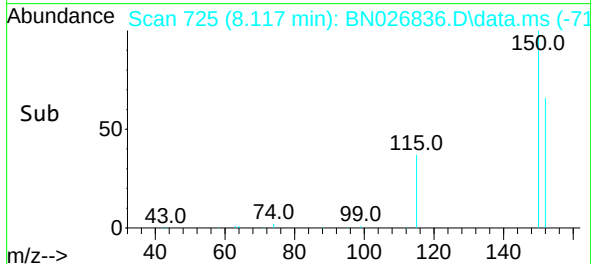
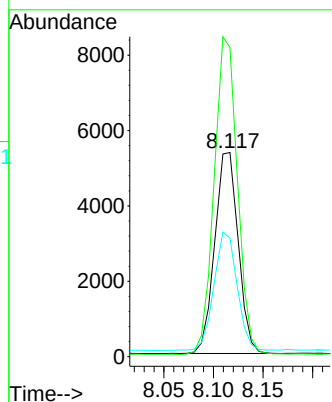


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.117 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

Instrument :
BNA_N
ClientSampleId :
SP-303-20230803

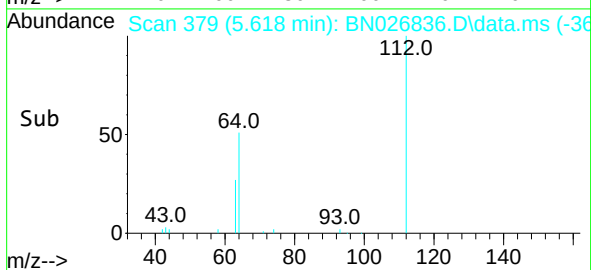
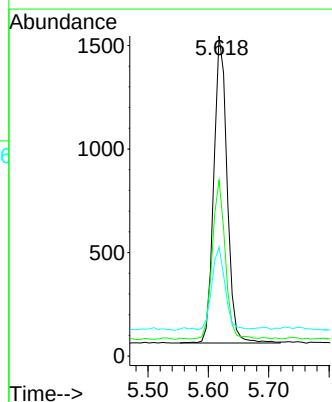
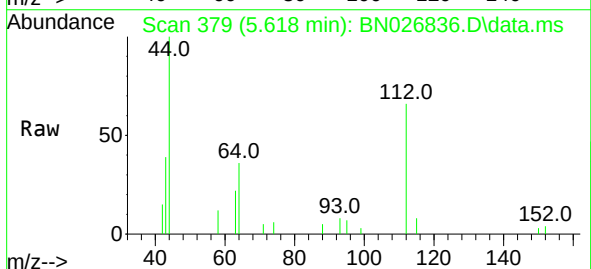


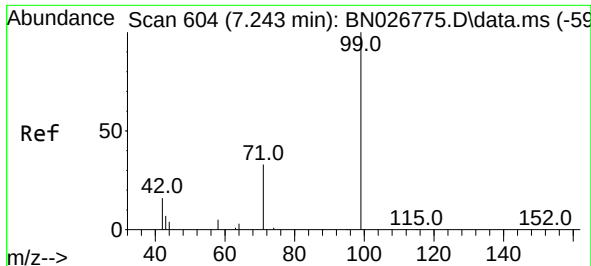
Tgt Ion:152 Resp: 8808
Ion Ratio Lower Upper
152 100
150 151.4 123.8 185.8
115 58.0 48.0 72.0



#4
2-Fluorophenol
Concen: 0.102 ng
RT: 5.618 min Scan# 379
Delta R.T. -0.007 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

Tgt Ion:112 Resp: 2270
Ion Ratio Lower Upper
112 100
64 50.6 42.2 63.2
63 26.7 22.7 34.1

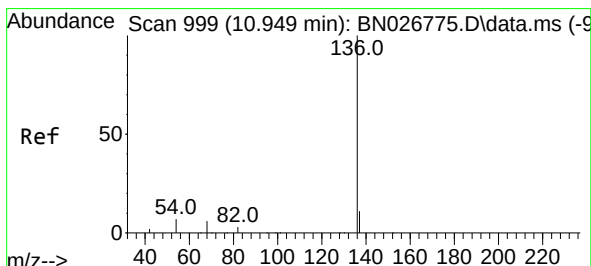
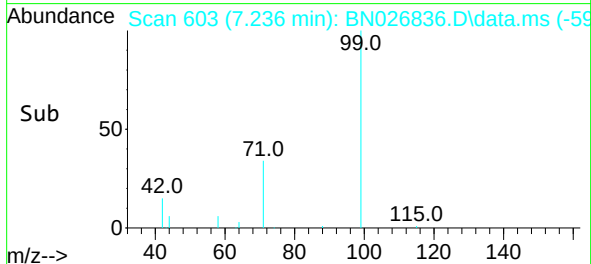
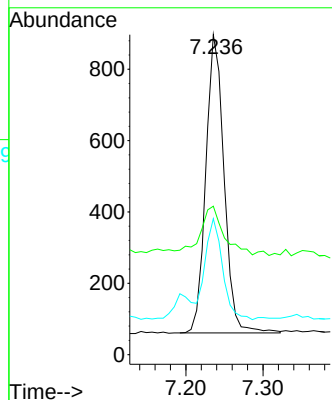
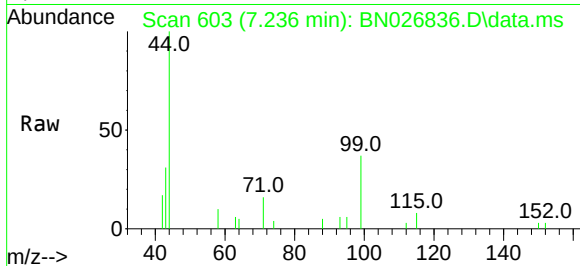




#5
Phenol-d6
Concen: 0.047 ng
RT: 7.236 min Scan# 604
Delta R.T. -0.007 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

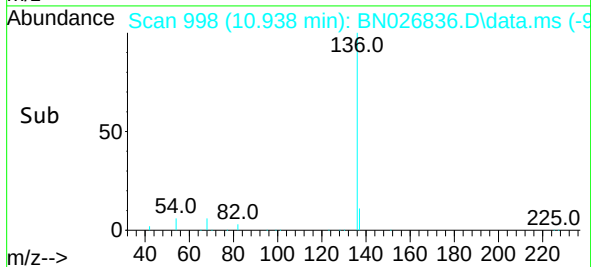
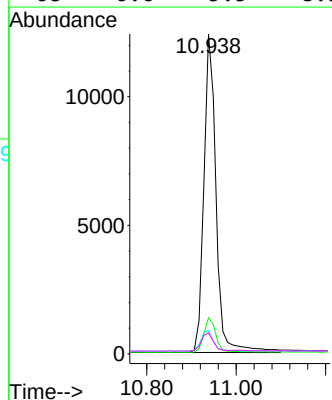
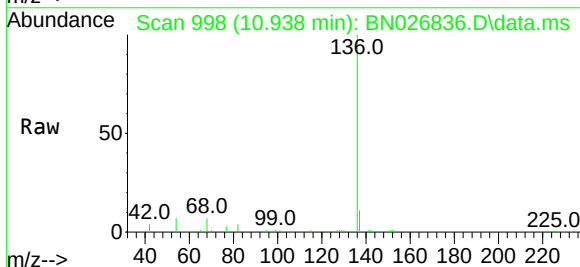
Instrument :
BNA_N
ClientSampleId :
SP-303-20230803

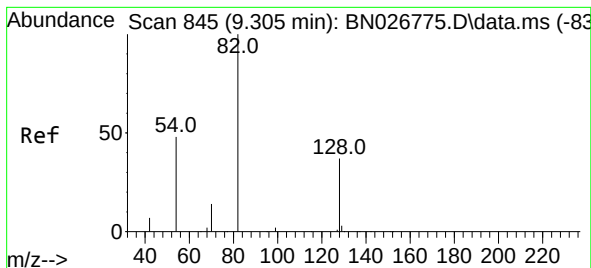
Tgt Ion: 99 Resp: 1369
Ion Ratio Lower Upper
99 100
42 22.3 14.6 22.0#
71 32.0 26.6 40.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.938 min Scan# 998
Delta R.T. -0.011 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

Tgt Ion:136 Resp: 23398
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 7.3 6.2 9.2
68 6.6 5.5 8.3

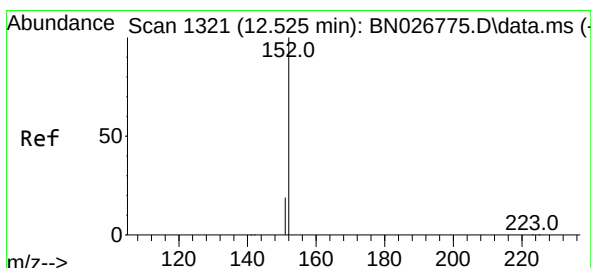
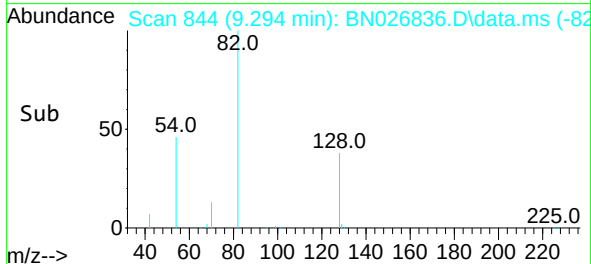
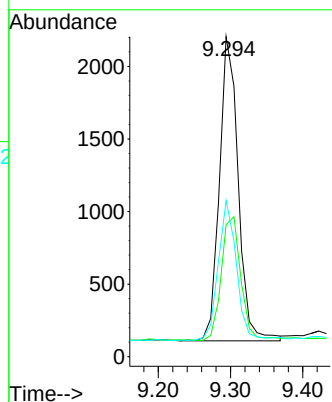
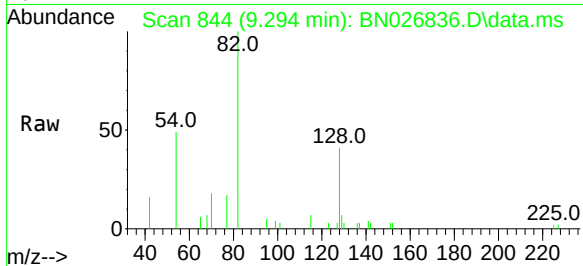




#8
 Nitrobenzene-d5
 Concen: 0.273 ng
 RT: 9.294 min Scan# 845
 Delta R.T. -0.011 min
 Lab File: BN026836.D
 Acq: 07 Aug 2023 18:21

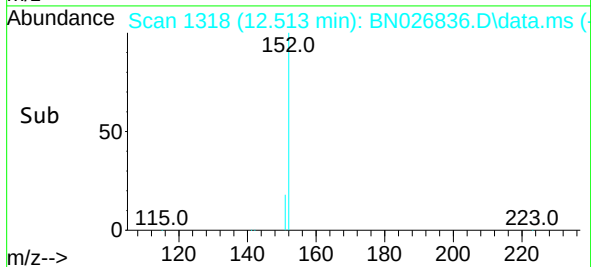
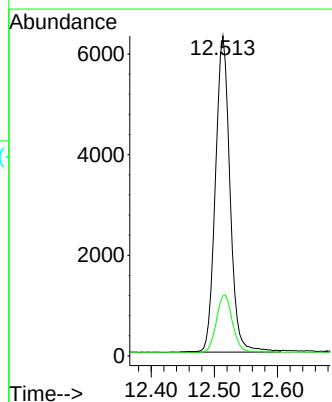
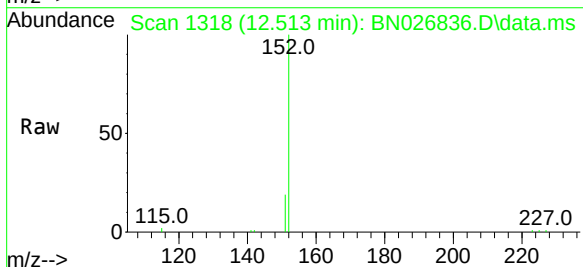
Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230803

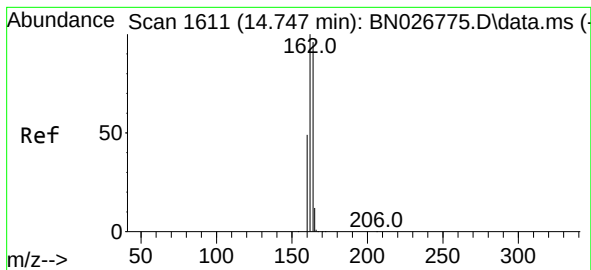
Tgt Ion: 82 Resp: 3780
 Ion Ratio Lower Upper
 82 100
 128 41.3 30.5 45.7
 54 48.8 39.4 59.2



#11
 2-Methylnaphthalene-d10
 Concen: 0.300 ng
 RT: 12.513 min Scan# 1318
 Delta R.T. -0.011 min
 Lab File: BN026836.D
 Acq: 07 Aug 2023 18:21

Tgt Ion: 152 Resp: 10072
 Ion Ratio Lower Upper
 152 100
 151 20.7 16.5 24.7





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.737 min Scan# 1610

Delta R.T. -0.011 min

Lab File: BN026836.D

Acq: 07 Aug 2023 18:21

Instrument :

BNA_N

ClientSampleId :

SP-303-20230803

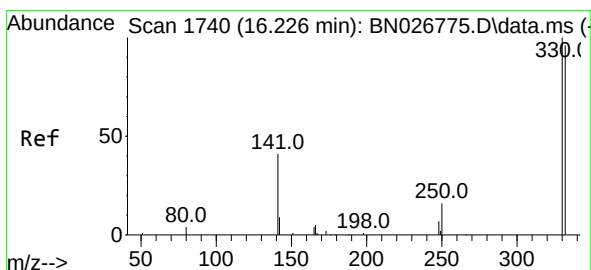
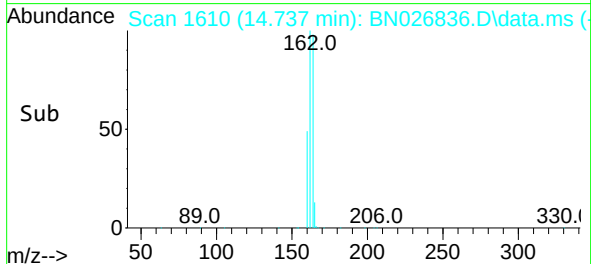
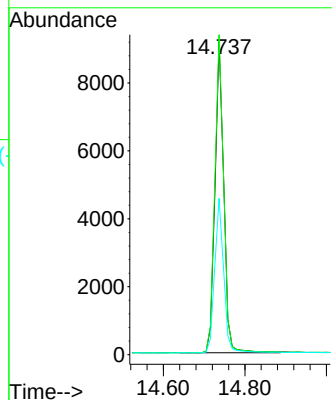
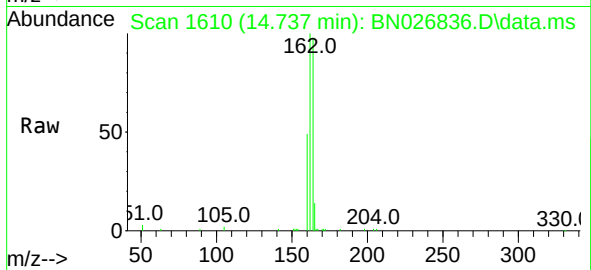
Tgt Ion:164 Resp: 13732

Ion Ratio Lower Upper

164 100

162 101.9 83.0 124.6

160 49.8 40.8 61.2



#14

2,4,6-Tribromophenol

Concen: 0.300 ng

RT: 16.226 min Scan# 1740

Delta R.T. 0.000 min

Lab File: BN026836.D

Acq: 07 Aug 2023 18:21

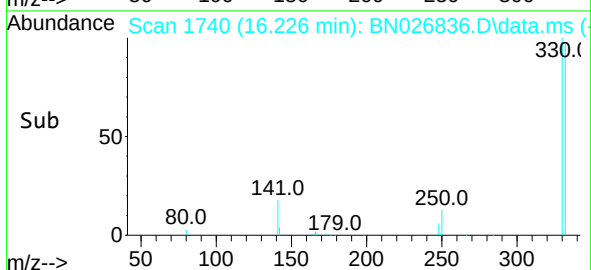
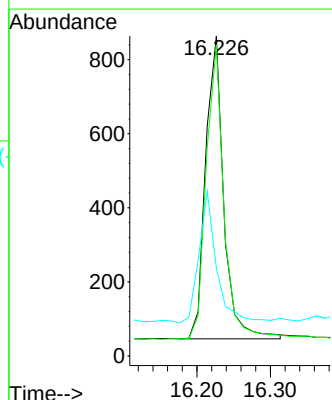
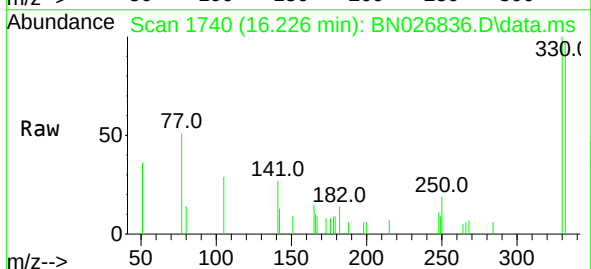
Tgt Ion:330 Resp: 1401

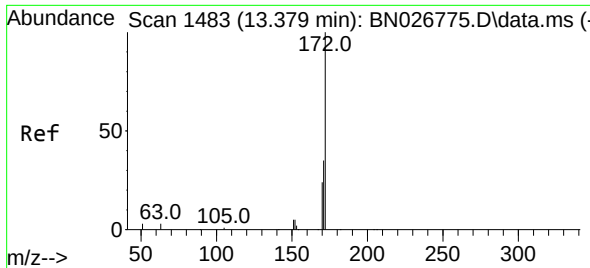
Ion Ratio Lower Upper

330 100

332 95.9 77.8 116.6

141 42.6 34.8 52.2

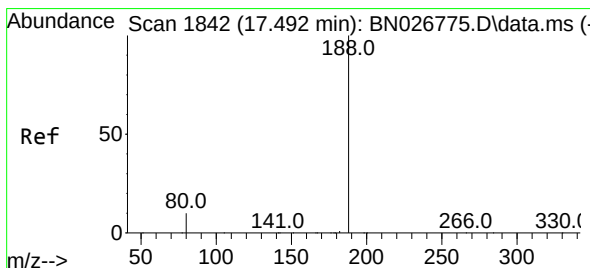
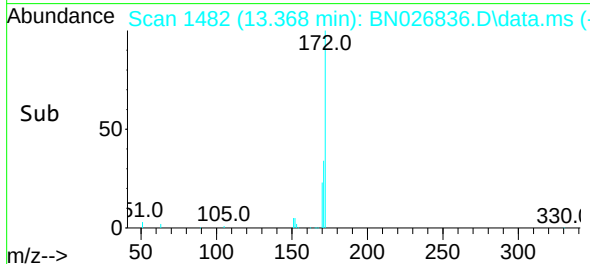
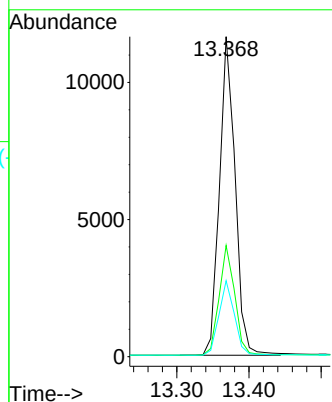
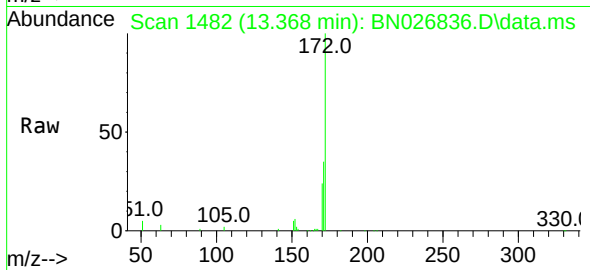




#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.368 min Scan# 1482
Delta R.T. -0.011 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

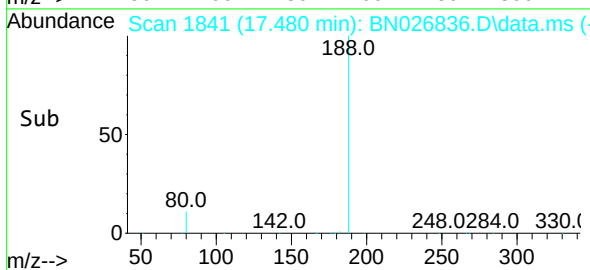
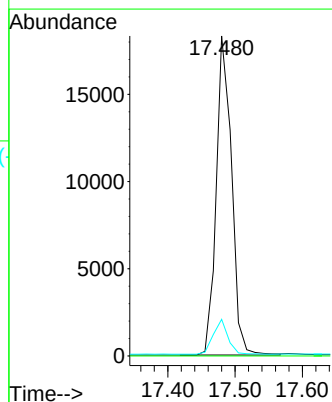
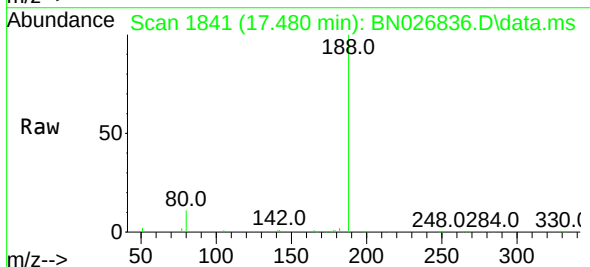
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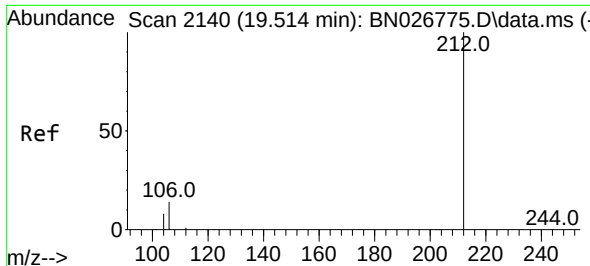
Tgt Ion:172 Resp: 17514
Ion Ratio Lower Upper
172 100
171 34.8 28.0 42.0
170 23.8 19.2 28.8



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.480 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

Tgt Ion:188 Resp: 28896
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.4 8.0 12.0

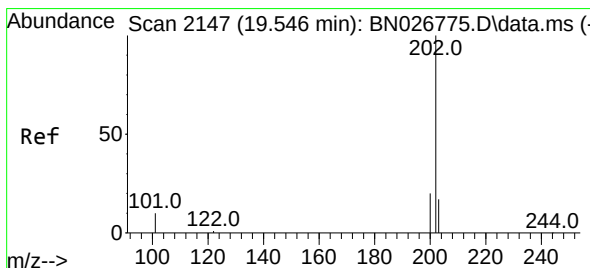
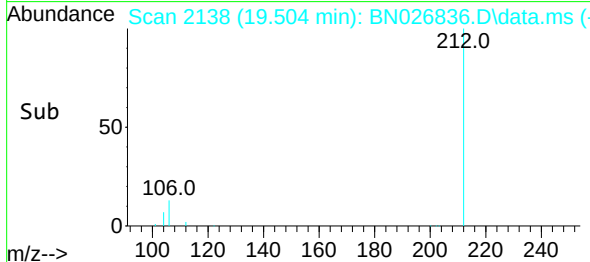
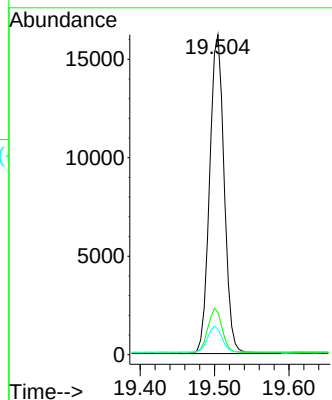
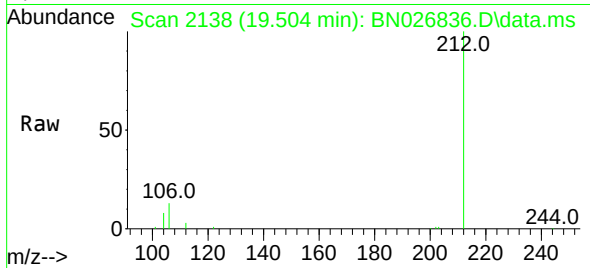




#27
Fluoranthene-d10
Concen: 0.317 ng
RT: 19.504 min Scan# 2140
Delta R.T. -0.009 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

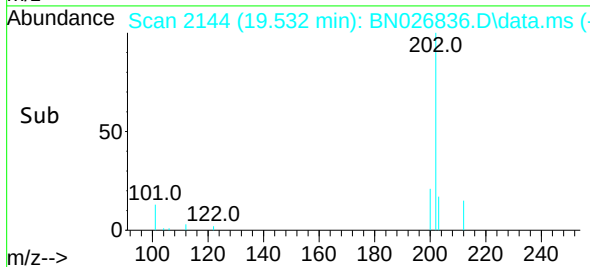
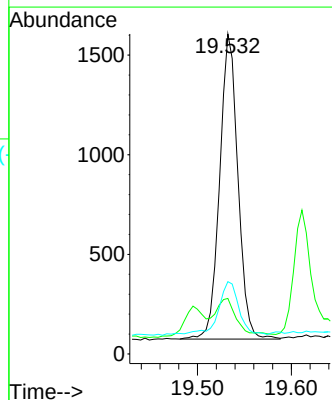
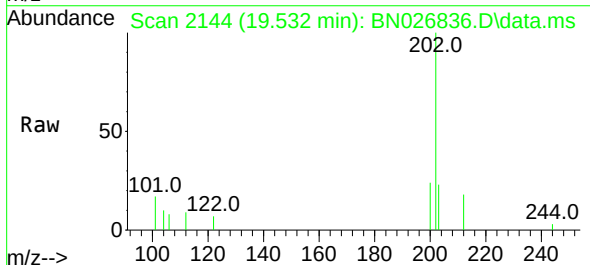
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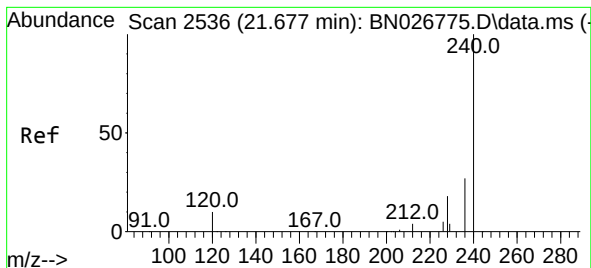
Tgt Ion:212 Resp: 22001
Ion Ratio Lower Upper
212 100
106 13.8 11.7 17.5
104 7.9 6.4 9.6



#28
Fluoranthene
Concen: 0.021 ng
RT: 19.532 min Scan# 2144
Delta R.T. -0.014 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

Tgt Ion:202 Resp: 2069
Ion Ratio Lower Upper
202 100
101 12.8 9.2 13.8
203 20.3 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.659 min Scan# 21

Delta R.T. -0.018 min

Lab File: BN026836.D

Acq: 07 Aug 2023 18:21

Instrument :

BNA_N

ClientSampleId :

SP-303-20230803

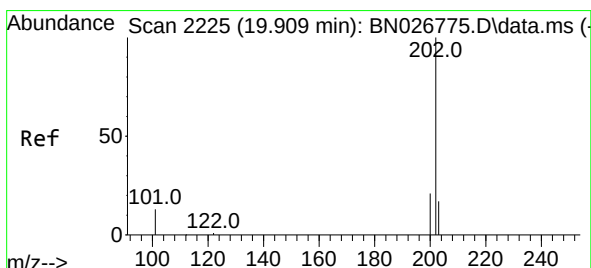
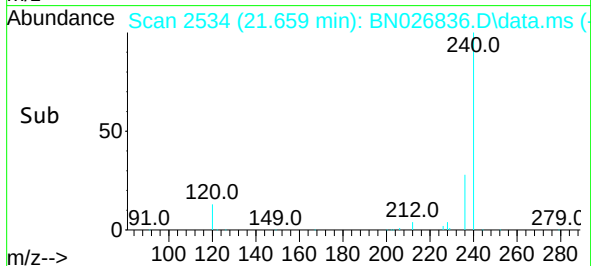
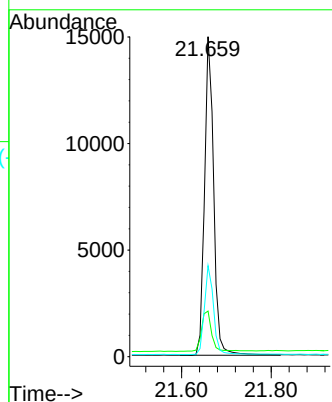
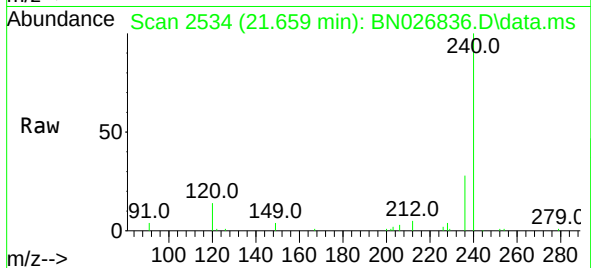
Tgt Ion:240 Resp: 21220

Ion Ratio Lower Upper

240 100

120 14.2 9.2 13.8#

236 28.4 21.9 32.9



#30

Pyrene

Concen: 0.022 ng

RT: 19.899 min Scan# 2223

Delta R.T. -0.009 min

Lab File: BN026836.D

Acq: 07 Aug 2023 18:21

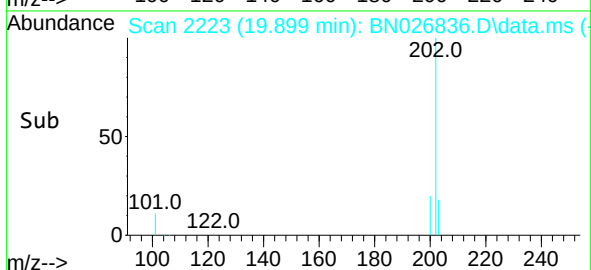
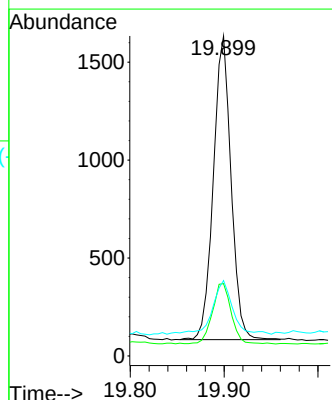
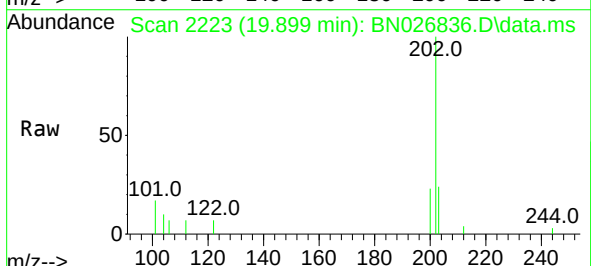
Tgt Ion:202 Resp: 2032

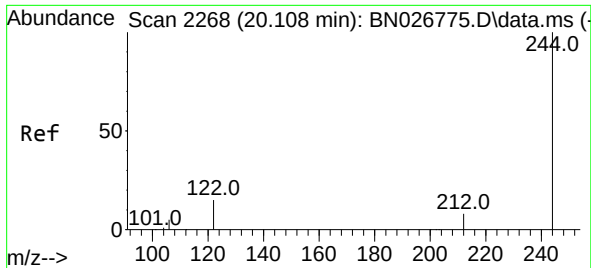
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 19.7 14.2 21.2

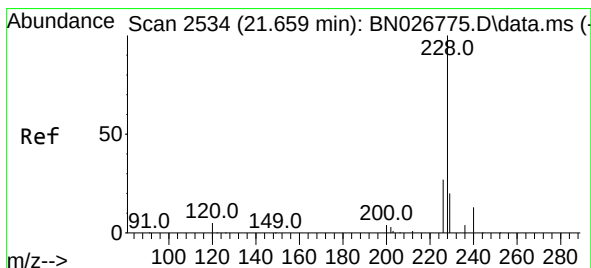
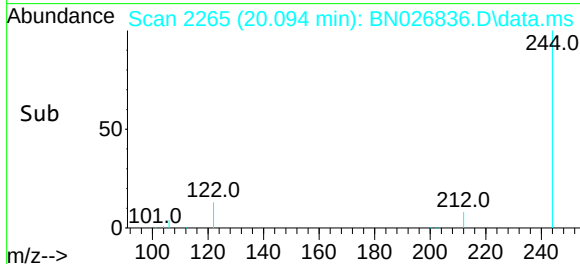
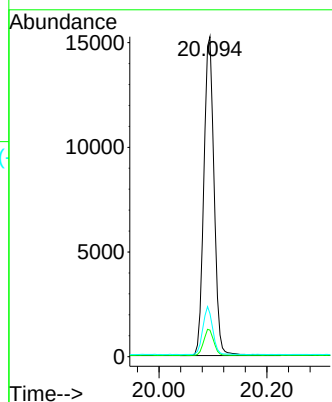
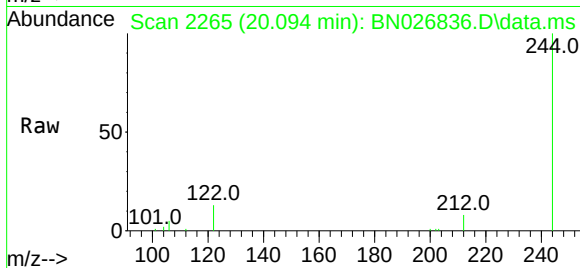




#31
 Terphenyl-d14
 Concen: 0.454 ng
 RT: 20.094 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BN026836.D
 Acq: 07 Aug 2023 18:21

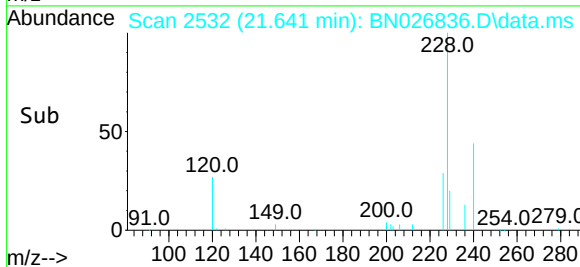
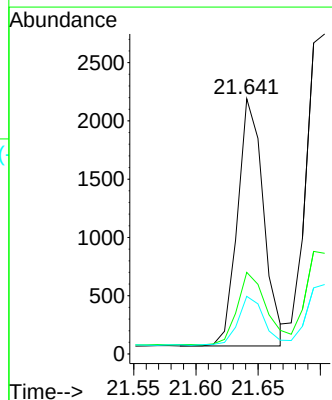
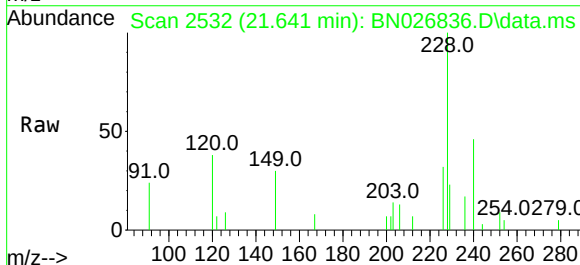
Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230803

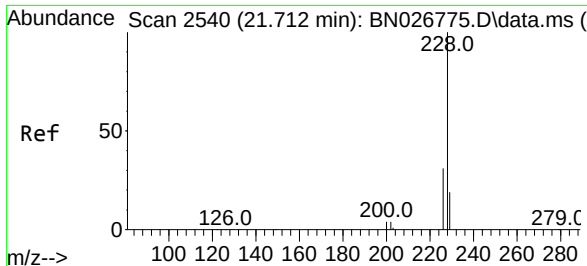
Tgt Ion:244 Resp: 20097
 Ion Ratio Lower Upper
 244 100
 212 8.3 7.0 10.4
 122 13.4 12.3 18.5



#32
 Benzo(a)anthracene
 Concen: 0.042 ng
 RT: 21.641 min Scan# 2532
 Delta R.T. -0.018 min
 Lab File: BN026836.D
 Acq: 07 Aug 2023 18:21

Tgt Ion:228 Resp: 3084
 Ion Ratio Lower Upper
 228 100
 226 32.0 21.9 32.9
 229 22.6 15.8 23.8





#33

Chrysene

Concen: 0.052 ng

RT: 21.704 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN026836.D

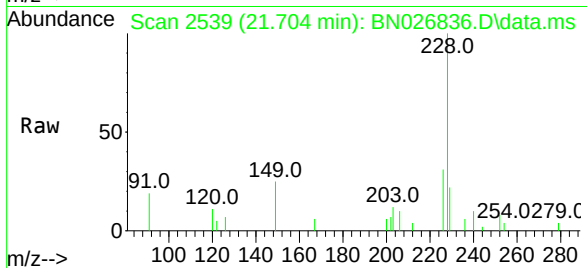
Acq: 07 Aug 2023 18:21

Instrument :

BNA_N

ClientSampleId :

SP-303-20230803



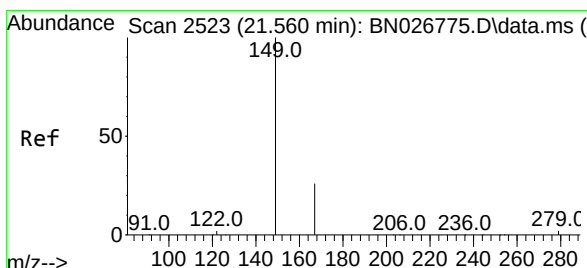
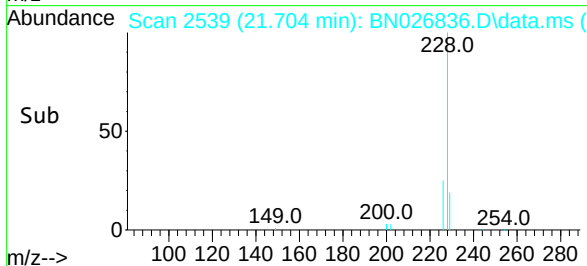
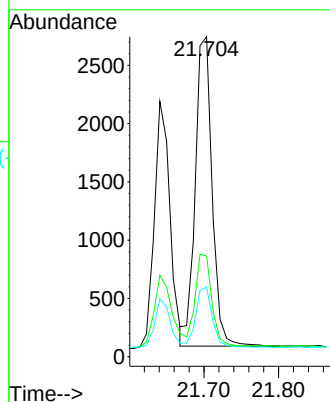
Tgt Ion:228 Resp: 4177

Ion Ratio Lower Upper

228 100

226 31.5 24.6 36.8

229 21.7 15.4 23.2



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.215 ng

RT: 21.542 min Scan# 2521

Delta R.T. -0.018 min

Lab File: BN026836.D

Acq: 07 Aug 2023 18:21

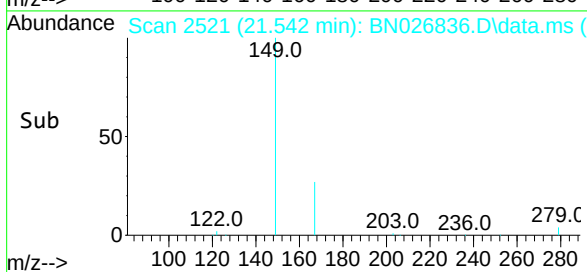
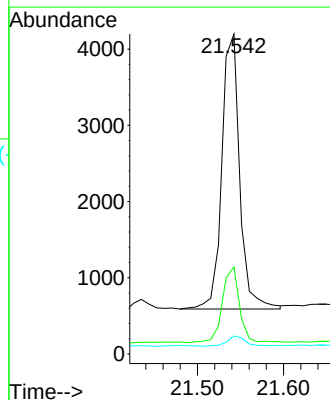
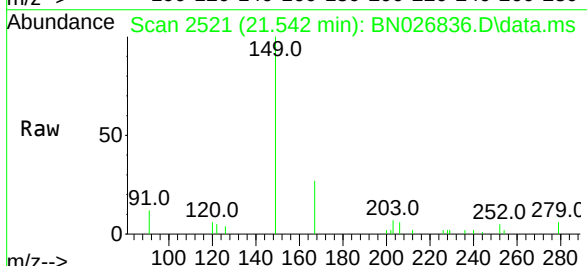
Tgt Ion:149 Resp: 5185

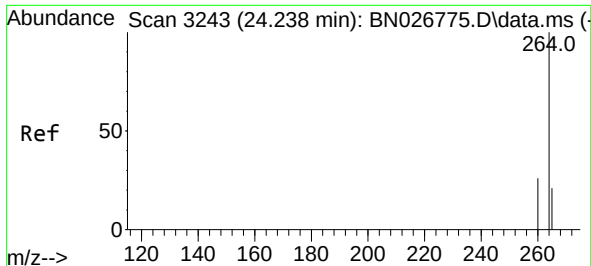
Ion Ratio Lower Upper

149 100

167 26.4 20.8 31.2

279 4.1 2.4 3.6#

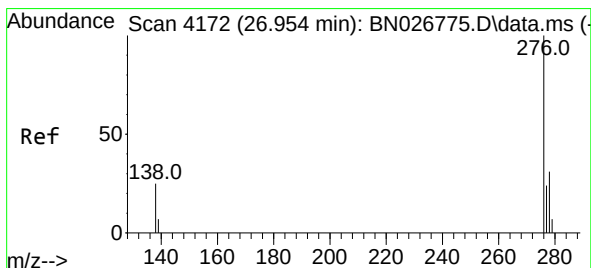
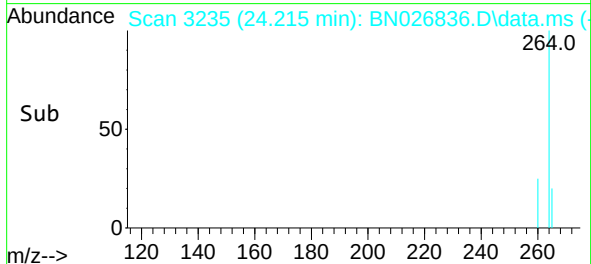
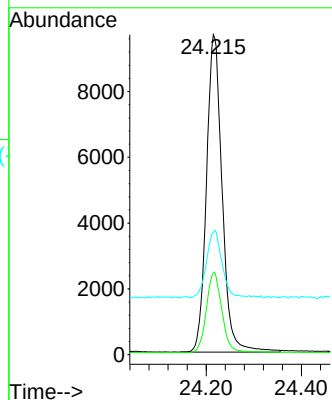
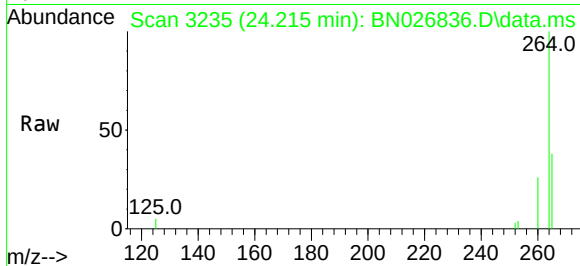




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.215 min Scan# 31
 Delta R.T. -0.023 min
 Lab File: BN026836.D
 Acq: 07 Aug 2023 18:21

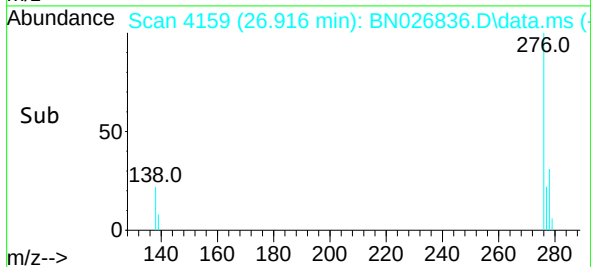
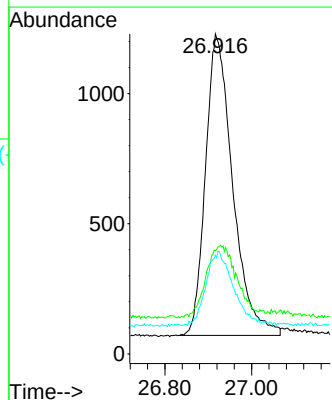
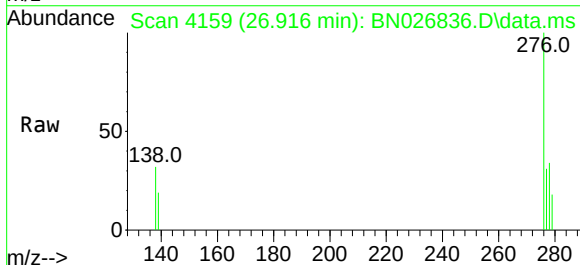
Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230803

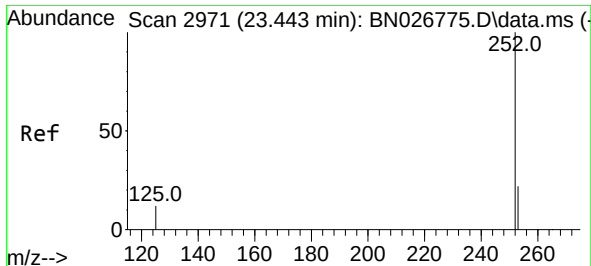
Tgt Ion:264 Resp: 22001
 Ion Ratio Lower Upper
 264 100
 260 25.5 21.0 31.6
 265 38.2 22.6 33.8#



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.056 ng
 RT: 26.916 min Scan# 4159
 Delta R.T. -0.038 min
 Lab File: BN026836.D
 Acq: 07 Aug 2023 18:21

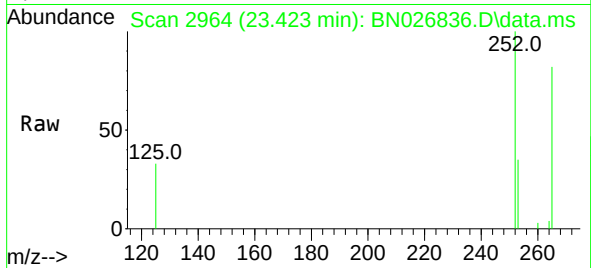
Tgt Ion:276 Resp: 5031
 Ion Ratio Lower Upper
 276 100
 138 26.3 22.8 34.2
 277 24.4 19.9 29.9



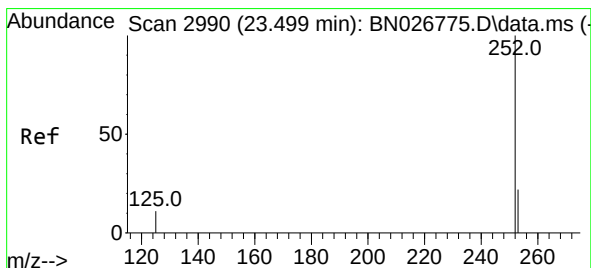
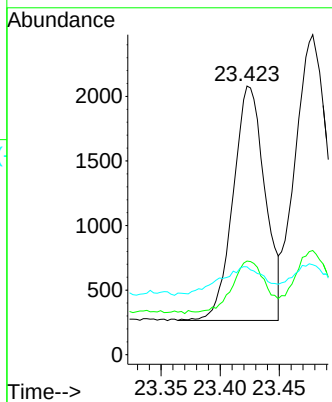


#37
Benzo(b)fluoranthene
Concen: 0.039 ng
RT: 23.423 min Scan# 2964
Delta R.T. -0.020 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

Instrument :
BNA_N
ClientSampleId :
SP-303-20230803

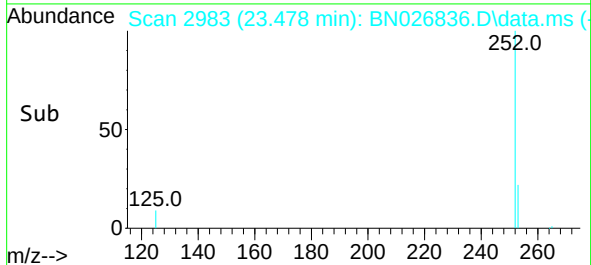
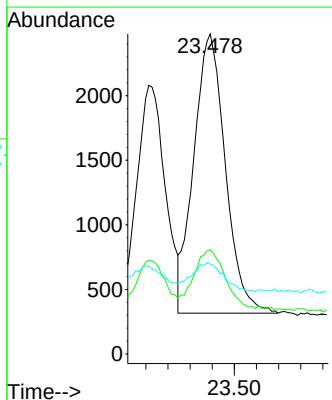
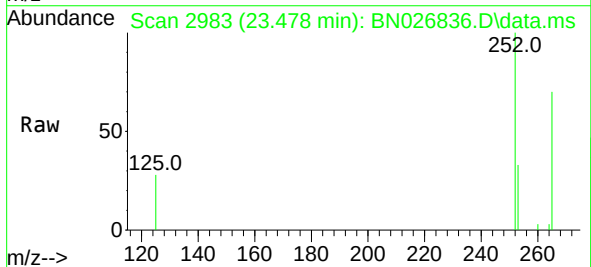


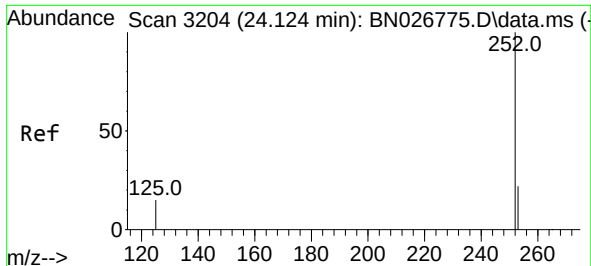
Tgt Ion:252 Resp: 3401
Ion Ratio Lower Upper
252 100
253 34.9 17.8 26.8#
125 32.7 10.8 16.2#



#38
Benzo(k)fluoranthene
Concen: 0.048 ng
RT: 23.478 min Scan# 2983
Delta R.T. -0.020 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

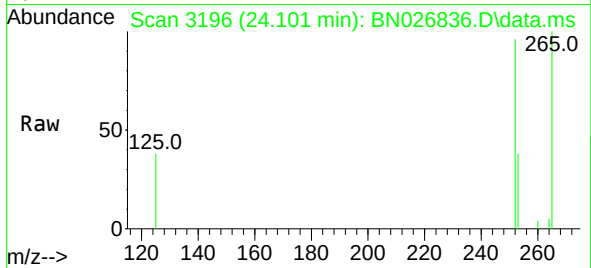
Tgt Ion:252 Resp: 4288
Ion Ratio Lower Upper
252 100
253 32.6 18.0 27.0#
125 28.1 9.4 14.2#



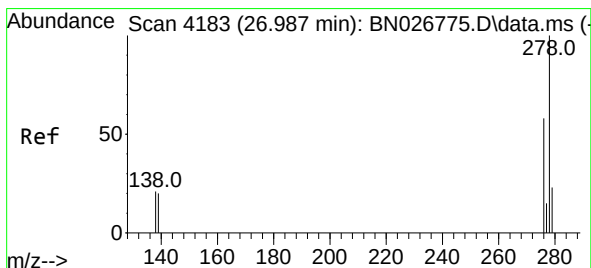
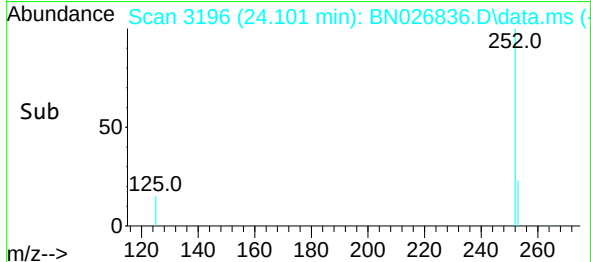
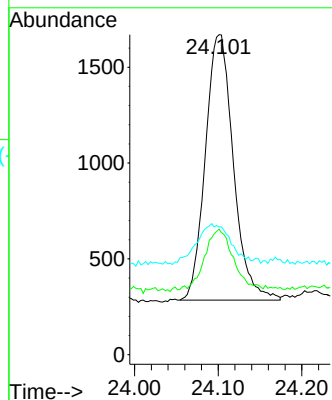


#39
Benzo(a)pyrene
Concen: 0.041 ng
RT: 24.101 min Scan# 31
Delta R.T. -0.023 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

Instrument :
BNA_N
ClientSampleId :
SP-303-20230803

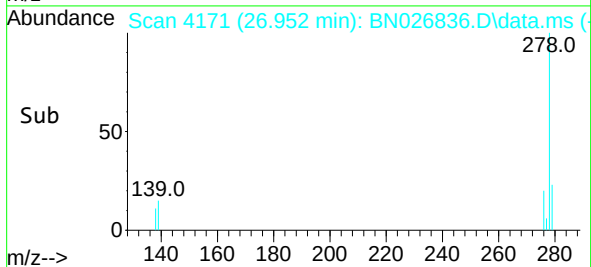
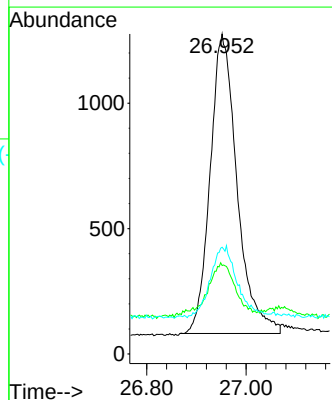
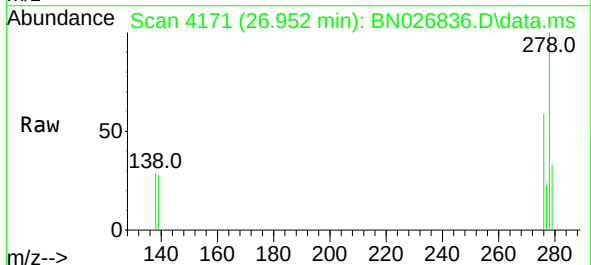


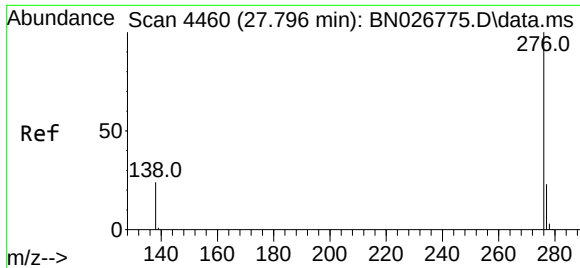
Tgt Ion:252 Resp: 3223
Ion Ratio Lower Upper
252 100
253 39.2 18.5 27.7#
125 39.9 12.7 19.1#



#40
Dibenzo(a,h)anthracene
Concen: 0.064 ng
RT: 26.952 min Scan# 4171
Delta R.T. -0.035 min
Lab File: BN026836.D
Acq: 07 Aug 2023 18:21

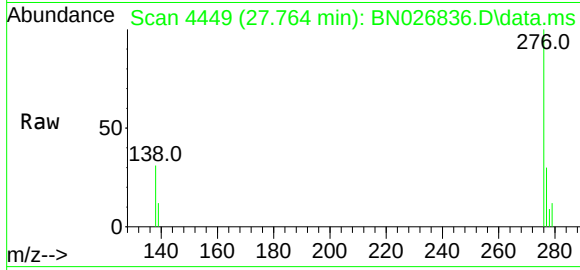
Tgt Ion:278 Resp: 4492
Ion Ratio Lower Upper
278 100
139 27.7 16.8 25.2#
279 33.4 19.5 29.3#





#41
 Benzo(g,h,i)perylene
 Concen: 0.060 ng
 RT: 27.764 min Scan# 44
 Delta R.T. -0.032 min
 Lab File: BN026836.D
 Acq: 07 Aug 2023 18:21

Instrument :
 BNA_N
 ClientSampleId :
 SP-303-20230803



Tgt Ion:276 Resp: 4978
 Ion Ratio Lower Upper
 276 100
 277 29.5 19.1 28.7#
 138 31.0 19.8 29.6#

