

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043025\
 Data File : BN036946.D
 Acq On : 30 Apr 2025 14:40
 Operator : RC/JU
 Sample : Q1870-01DL3 500X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3

Quant Time: Apr 30 15:18:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 15:35:03 2025
 Response via : Initial Calibration

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

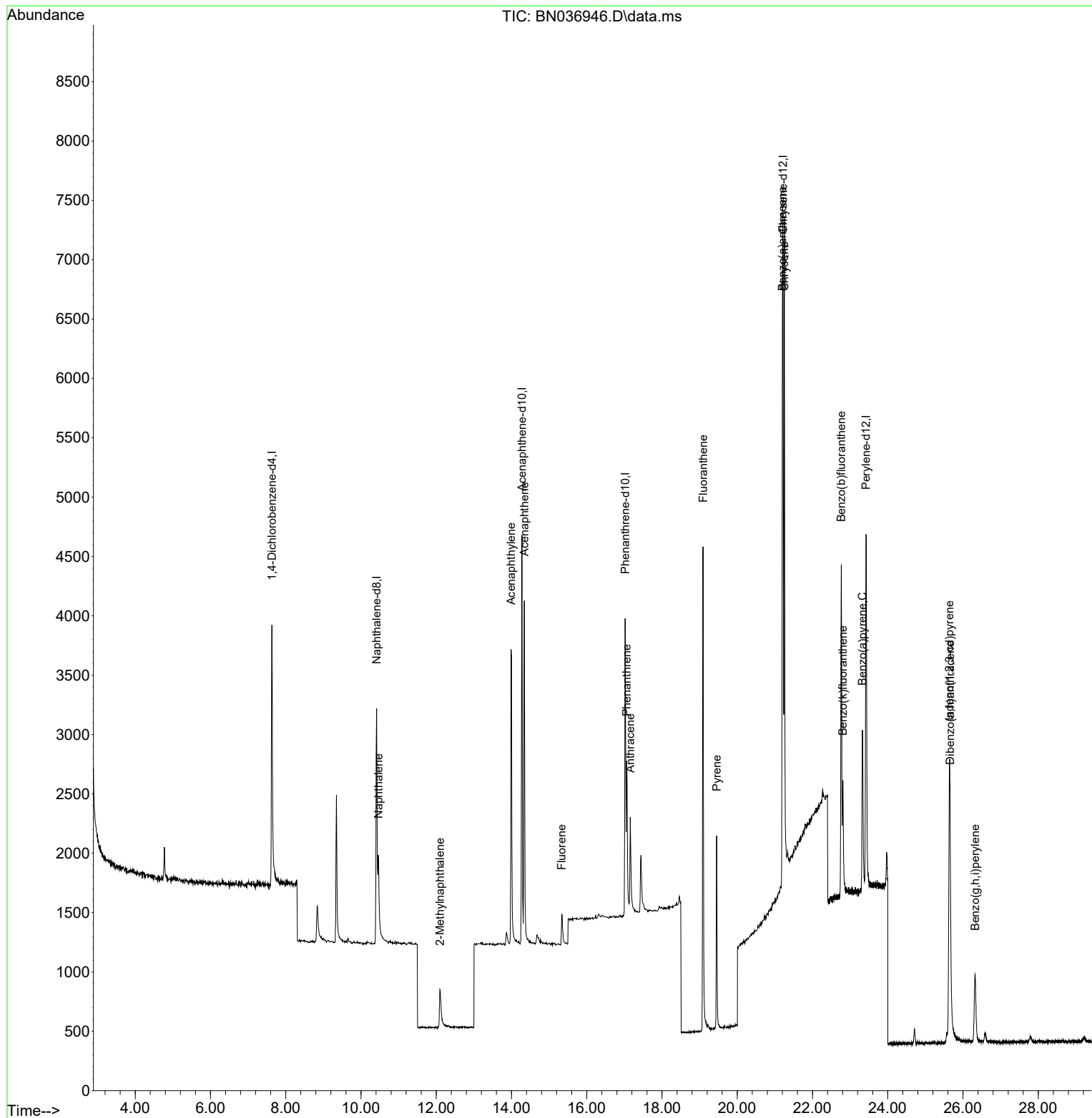
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	1353	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	3363	0.400	ng	# 0.00
13) Acenaphthene-d10	14.277	164	1975	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	3999	0.400	ng	0.00
29) Chrysene-d12	21.215	240	3821	0.400	ng	# 0.00
35) Perylene-d12	23.424	264	4217	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
						Qvalue
9) Naphthalene	10.468	128	979	0.100	ng	# 78
12) 2-Methylnaphthalene	12.102	142	475	0.075	ng	# 91
16) Acenaphthylene	13.989	152	3336	0.346	ng	99
17) Acenaphthene	14.341	154	1487	0.234	ng	99
18) Fluorene	15.336	166	256	0.031	ng	94
25) Phenanthrene	17.058	178	1511	0.114	ng	99
26) Anthracene	17.158	178	1143	0.096	ng	98
28) Fluoranthene	19.091	202	4462	0.302	ng	99
30) Pyrene	19.454	202	1609	0.087	ng	99
32) Benzo(a)anthracene	21.198	228	3757	0.267	ng	98
33) Chrysene	21.251	228	4943	0.326	ng	100
36) Indeno(1,2,3-cd)pyrene	25.640	276	4624	0.268	ng	# 91
37) Benzo(b)fluoranthene	22.763	252	3434	0.194	ng	# 90
38) Benzo(k)fluoranthene	22.807	252	1195	0.067	ng	# 64
39) Benzo(a)pyrene	23.328	252	1866	0.128	ng	# 64
40) Dibenzo(a,h)anthracene	25.658	278	1065	0.079	ng	# 64
41) Benzo(g,h,i)perylene	26.321	276	1245	0.083	ng	# 84

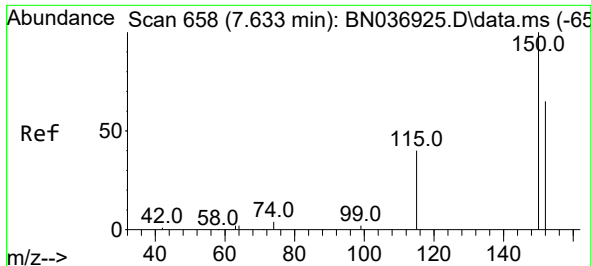
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN043025\
Data File : BN036946.D
Acq On : 30 Apr 2025 14:40
Operator : RC/JU
Sample : Q1870-01DL3 500X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_N
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38072-010925DL3

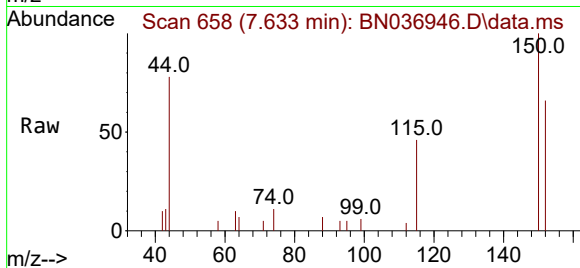
Quant Time: Apr 30 15:18:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 15:35:03 2025
Response via : Initial Calibration



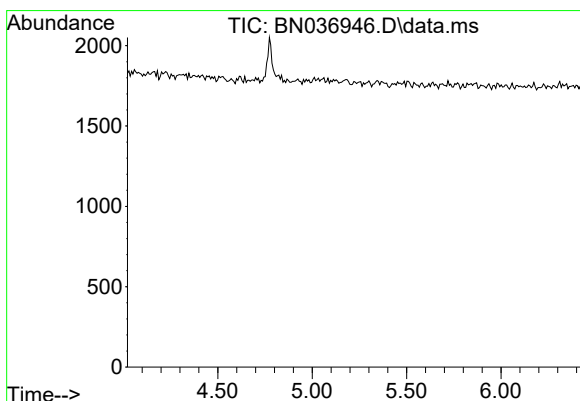
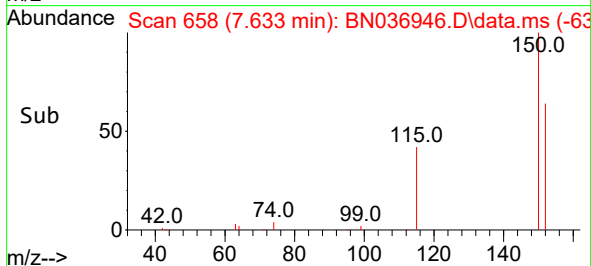
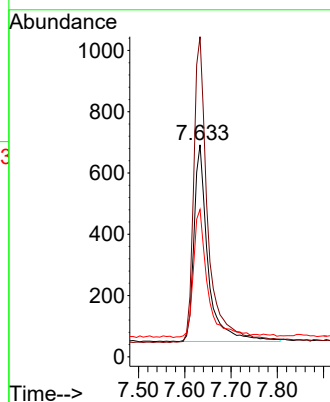


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.633 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3



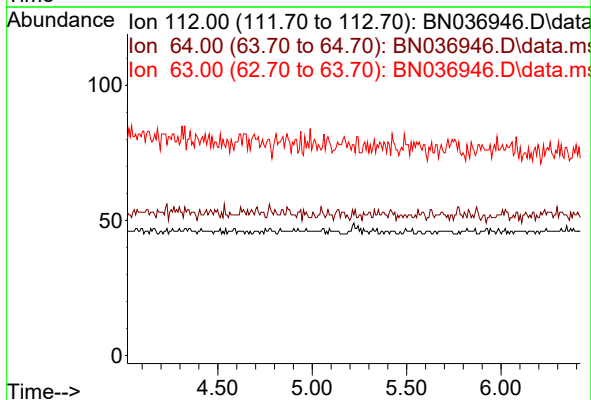
Tgt Ion:152 Resp: 1353
 Ion Ratio Lower Upper
 152 100
 150 151.0 121.1 181.7
 115 69.5 51.8 77.6

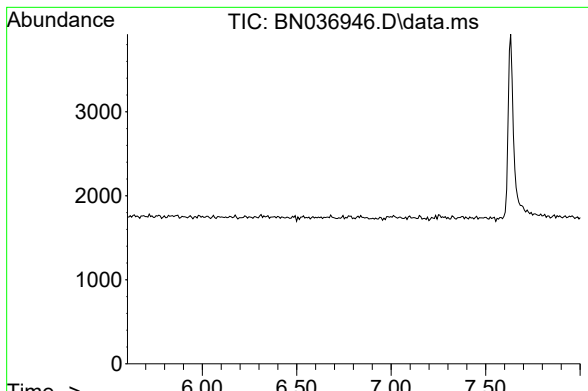


#4
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.22 min

Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 69.6
 63 42.4



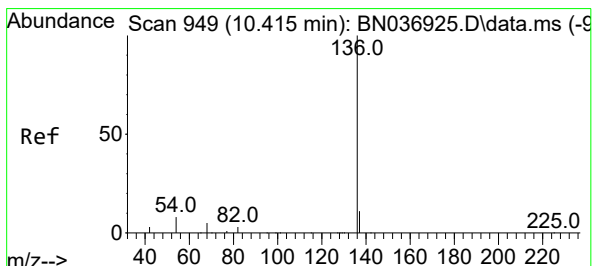
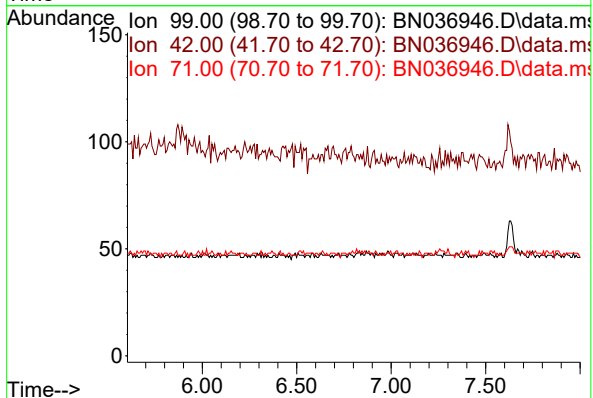


#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.80 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3

Tgt Ion: 99

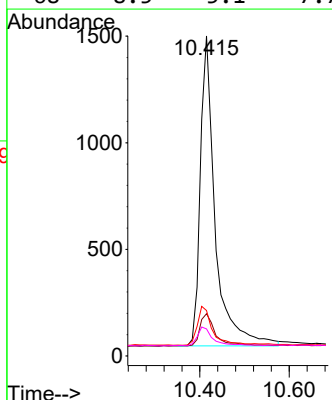
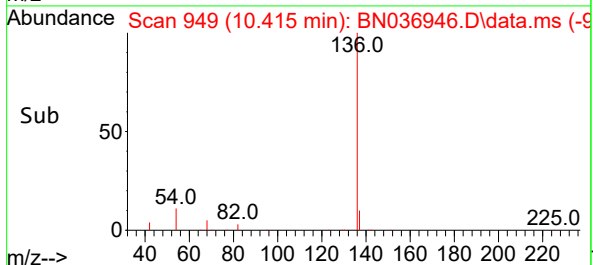
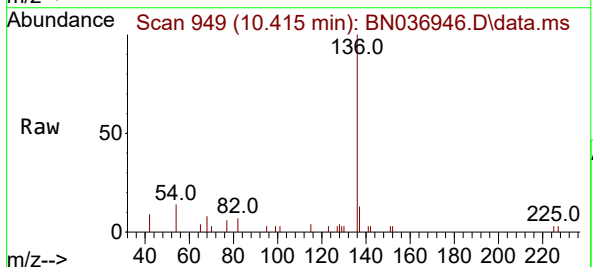
Sig	Exp Ratio
99	100
42	37.0
71	45.0

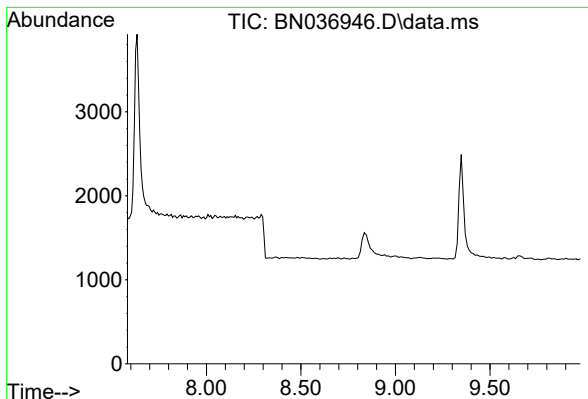


#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.415 min Scan# 949
 Delta R.T. -0.000 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Tgt Ion: 136 Resp: 3363

Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.7	14.5
54	14.2	8.0	12.0#
68	8.5	5.1	7.7#

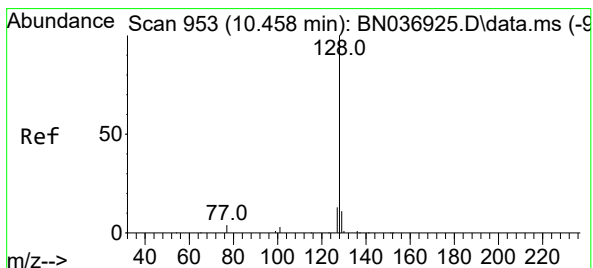
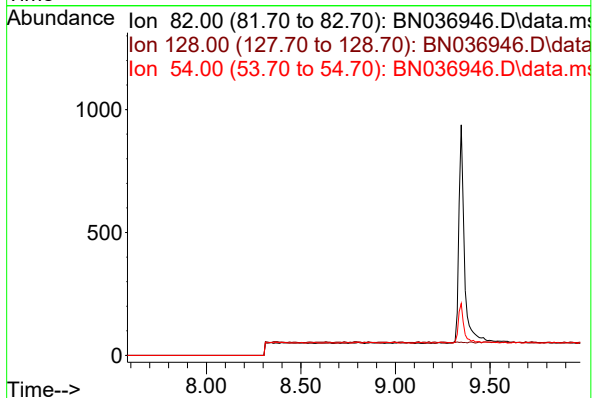




#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.78 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

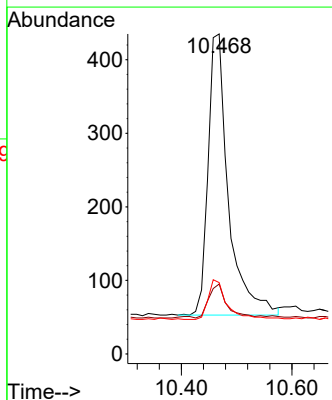
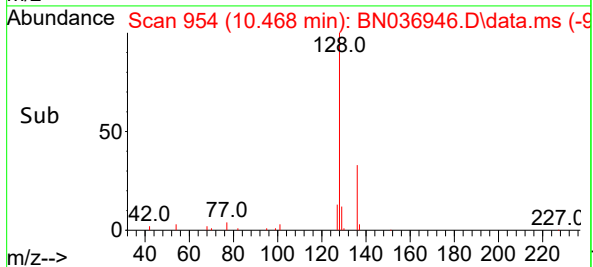
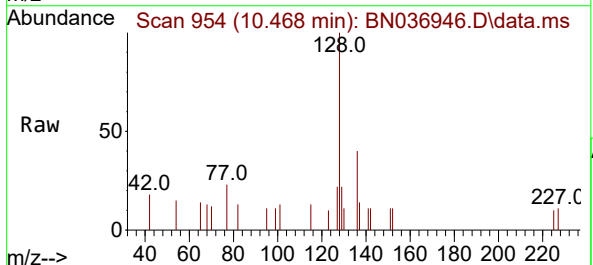
Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3

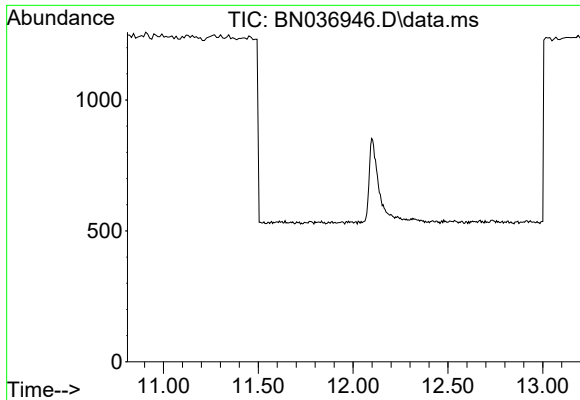
Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 38.4
 54 65.1



#9
 Naphthalene
 Concen: 0.100 ng
 RT: 10.468 min Scan# 954
 Delta R.T. 0.011 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Tgt Ion: 128 Resp: 979
 Ion Ratio Lower Upper
 128 100
 129 21.8 9.8 14.6#
 127 22.3 11.4 17.2#

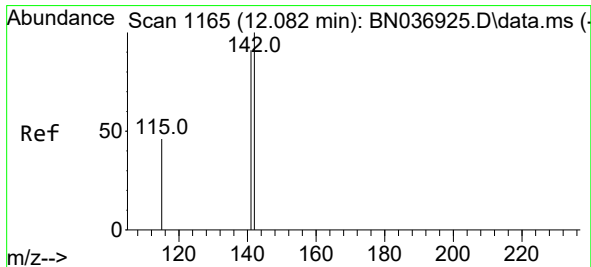
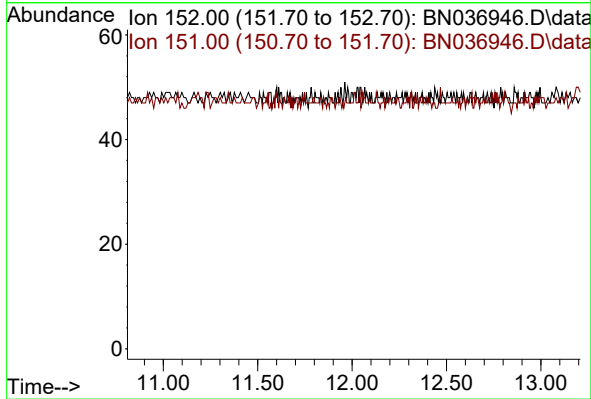




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.01 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

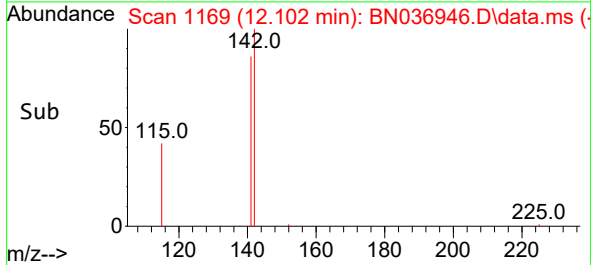
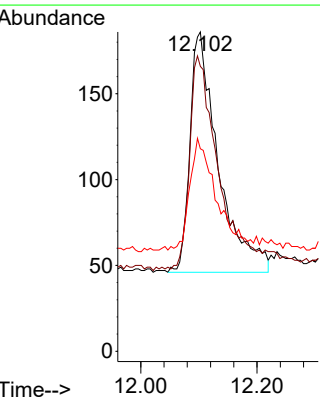
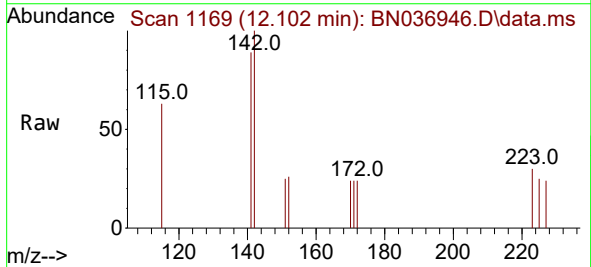
Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3

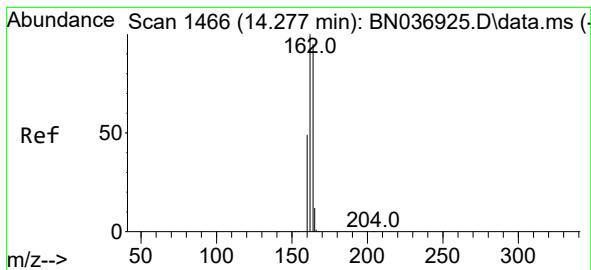
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.1



#12
 2-Methylnaphthalene
 Concen: 0.075 ng
 RT: 12.102 min Scan# 1169
 Delta R.T. 0.020 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Tgt Ion: 142 Resp: 475
 Ion Ratio Lower Upper
 142 100
 141 89.2 72.8 109.2
 115 63.4 38.2 57.4#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.277 min Scan# 14

Delta R.T. -0.000 min

Lab File: BN036946.D

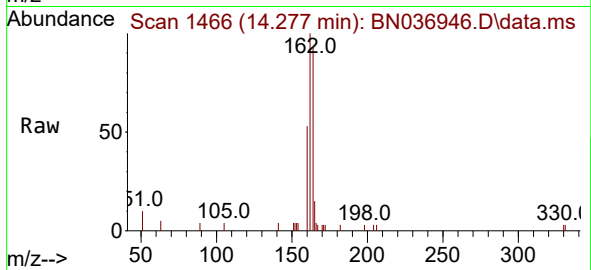
Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3



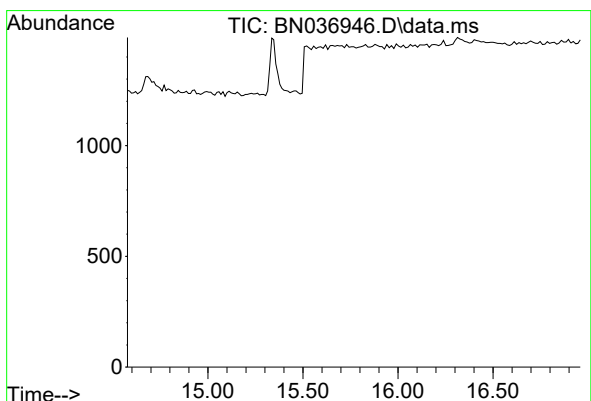
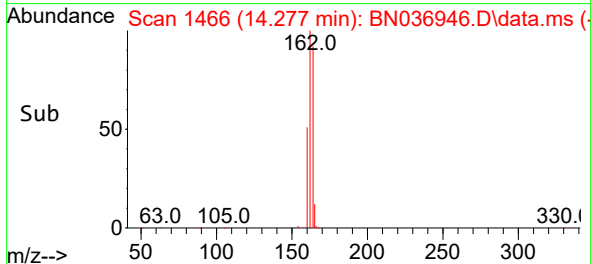
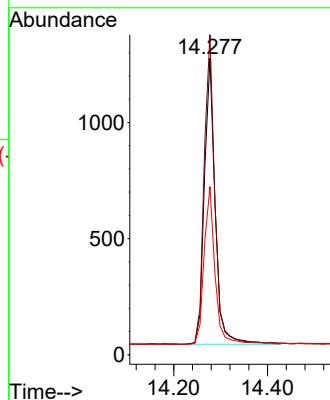
Tgt Ion:164 Resp: 1975

Ion Ratio Lower Upper

164 100

162 107.9 83.8 125.8

160 56.7 42.0 63.0



#14

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 15.77 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

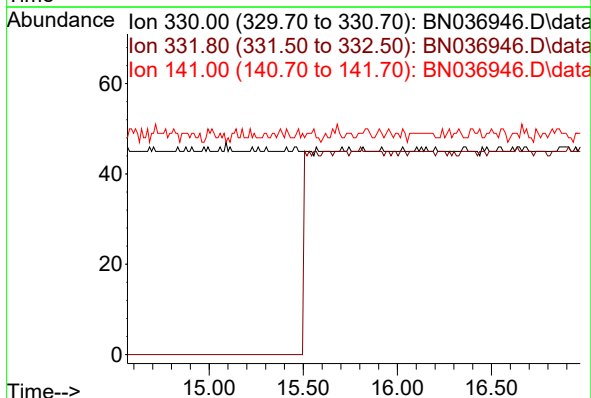
Tgt Ion: 330

Sig Exp Ratio

330 100

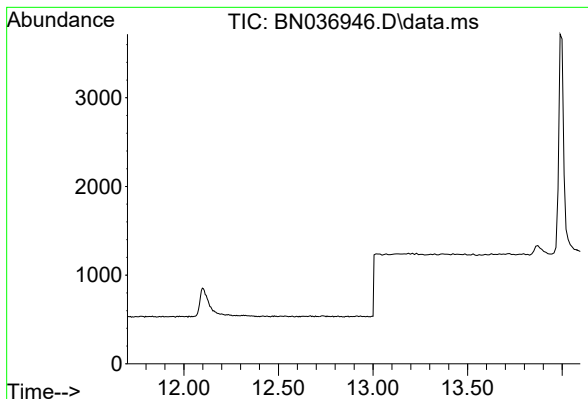
332 95.4

141 56.8



Ion 331.80 (331.50 to 332.50): BN036946.D\data.ms

Ion 141.00 (140.70 to 141.70): BN036946.D\data.ms

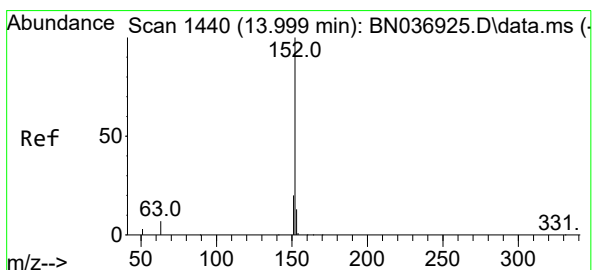
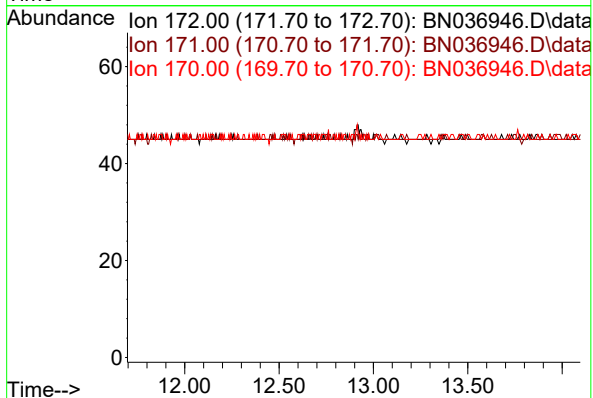


#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 12.90 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3

Tgt Ion: 172

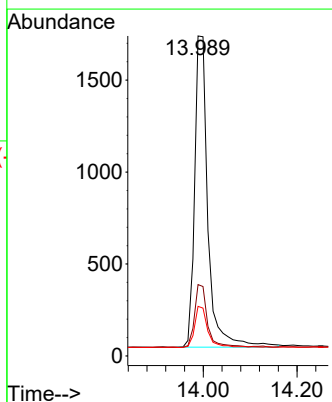
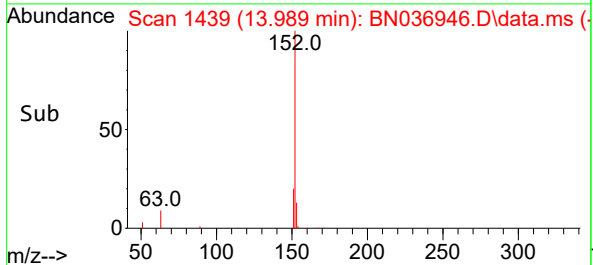
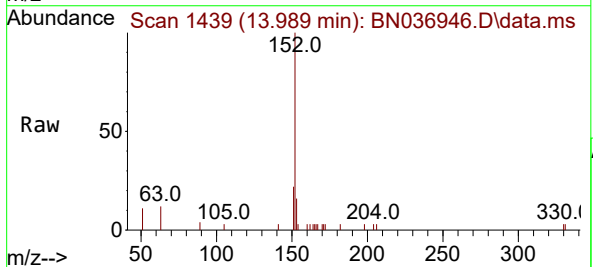
Sig	Exp Ratio
172	100
171	36.7
170	24.2

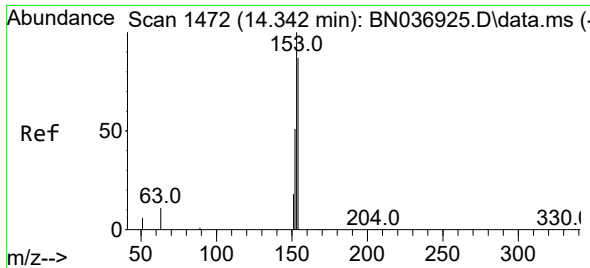


#16
 Acenaphthylene
 Concen: 0.346 ng
 RT: 13.989 min Scan# 1439
 Delta R.T. -0.011 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Tgt Ion: 152 Resp: 3336

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	13.3	10.2	15.2

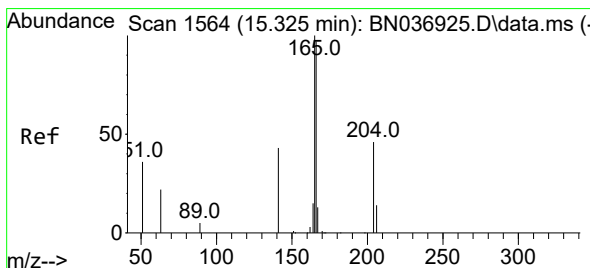
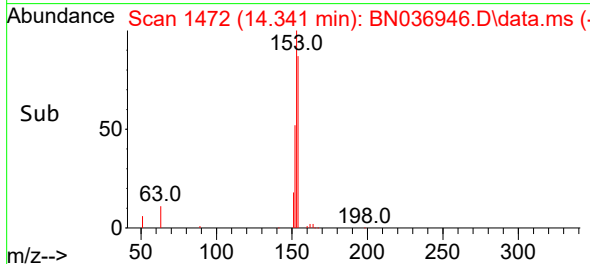
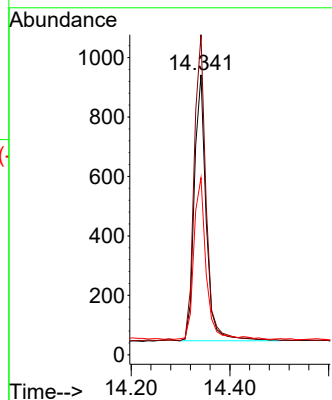
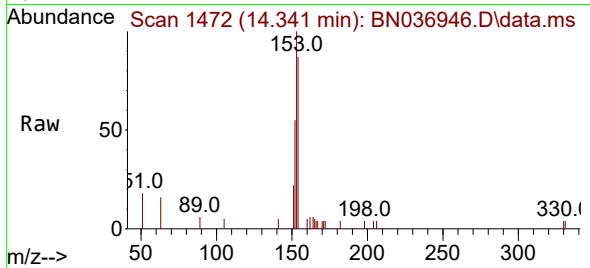




#17
Acenaphthene
Concen: 0.234 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

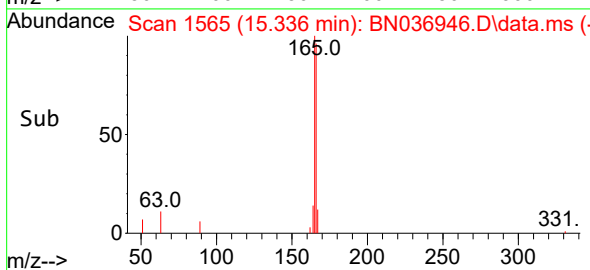
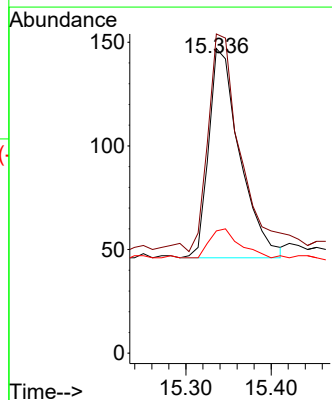
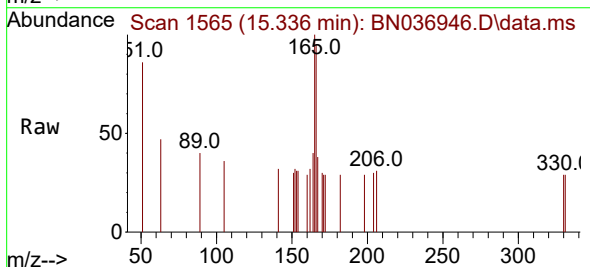
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

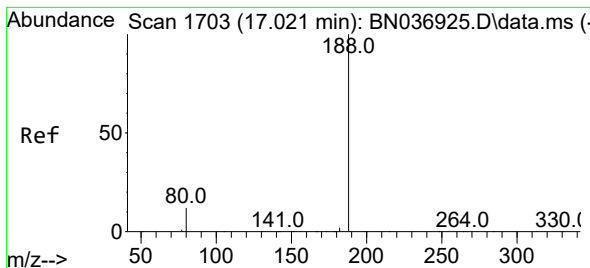
Tgt Ion:154 Resp: 1487
Ion Ratio Lower Upper
154 100
153 115.8 93.4 140.2
152 62.6 49.5 74.3



#18
Fluorene
Concen: 0.031 ng
RT: 15.336 min Scan# 1565
Delta R.T. 0.011 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

Tgt Ion:166 Resp: 256
Ion Ratio Lower Upper
166 100
165 107.8 80.8 121.2
167 13.7 10.8 16.2





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.021 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3

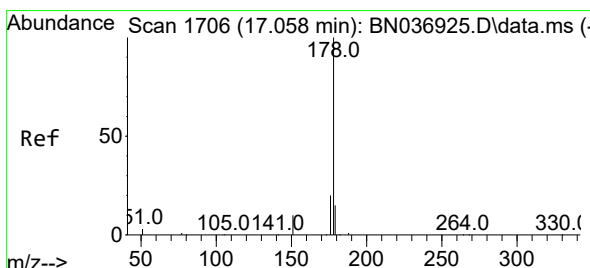
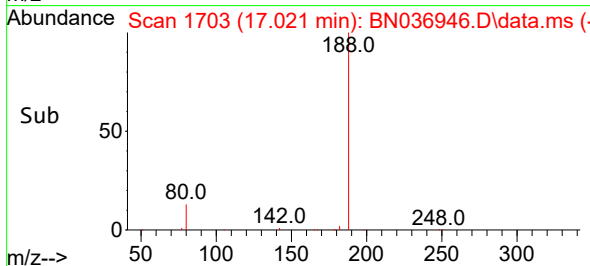
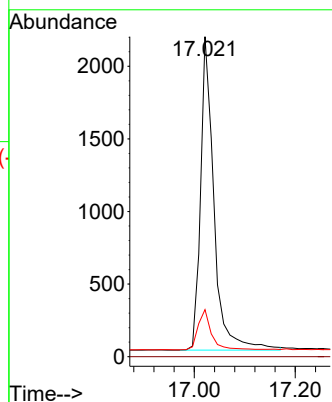
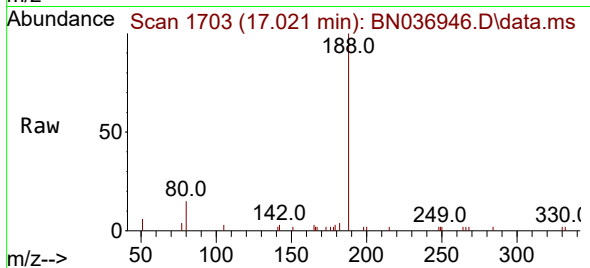
Tgt Ion:188 Resp: 3999

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 14.7 10.7 16.1



#25

Phenanthrene

Concen: 0.114 ng

RT: 17.058 min Scan# 1706

Delta R.T. -0.000 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

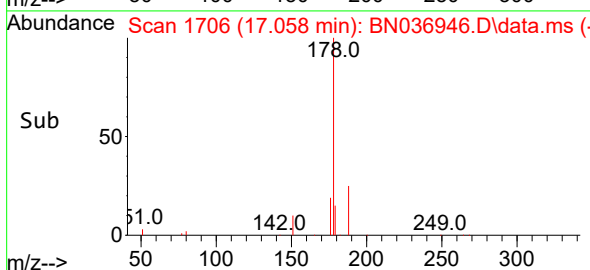
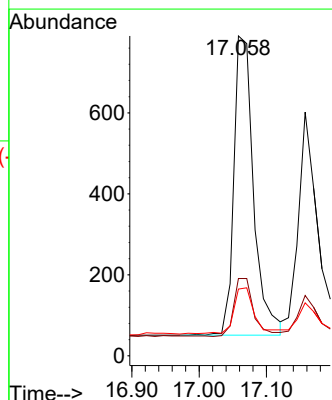
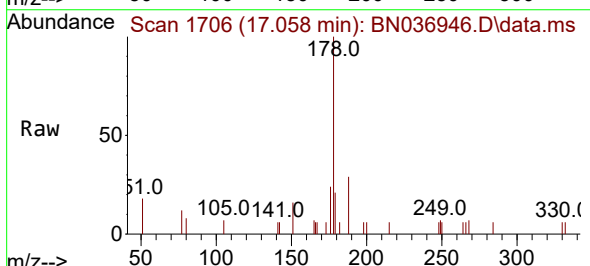
Tgt Ion:178 Resp: 1511

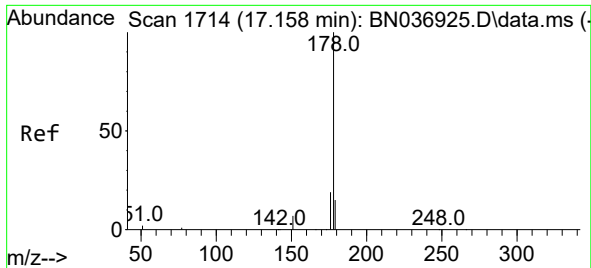
Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

179 15.8 12.4 18.6

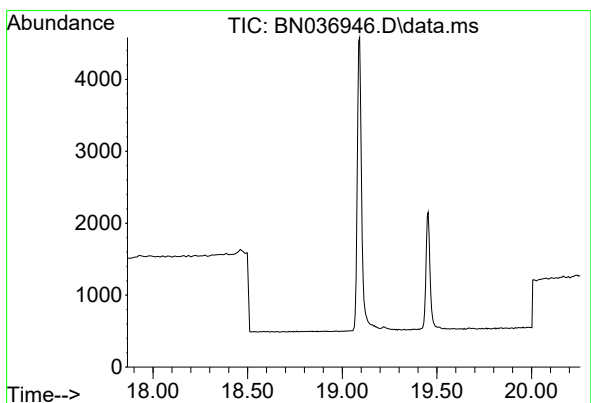
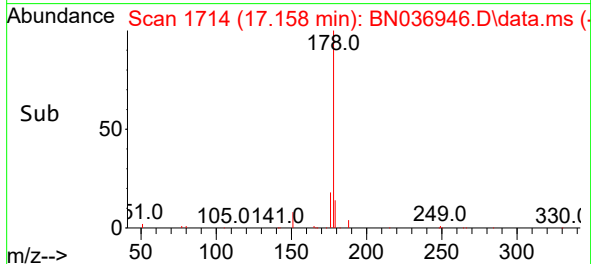
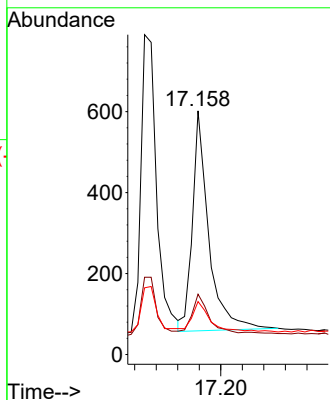
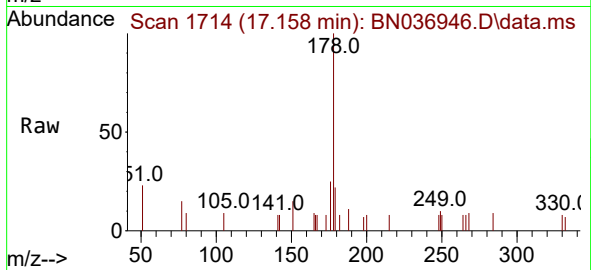




#26
 Anthracene
 Concen: 0.096 ng
 RT: 17.158 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3

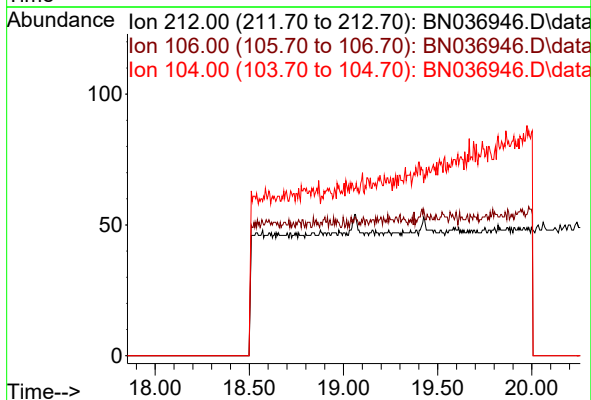
Tgt Ion:178 Resp: 1143
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.3 22.9
 179 16.0 12.1 18.1

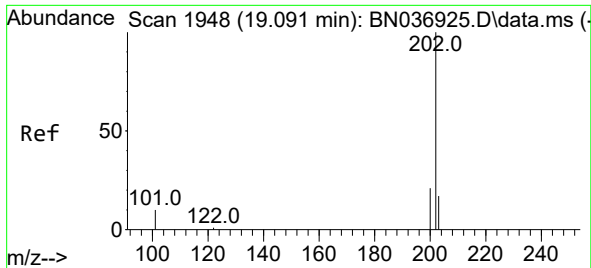


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.06 min

Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 14.5
 104 8.7

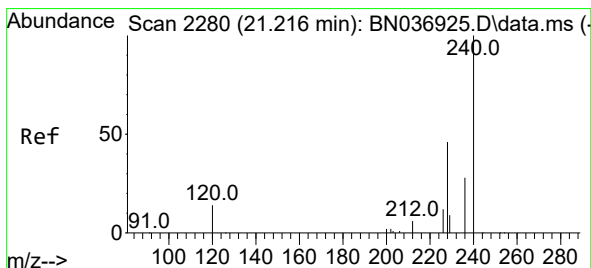
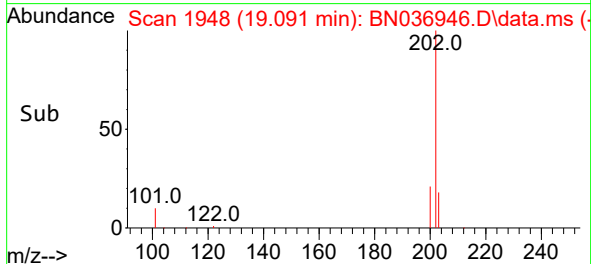
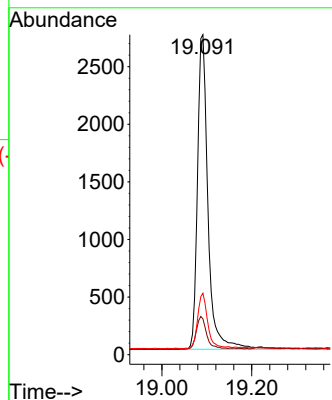
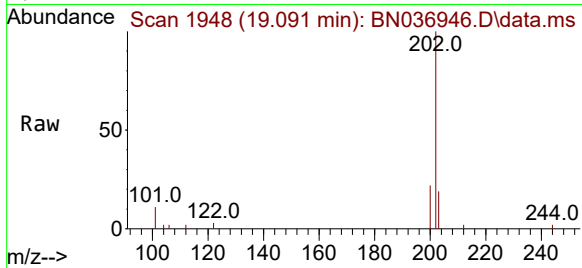




#28
Fluoranthene
Concen: 0.302 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

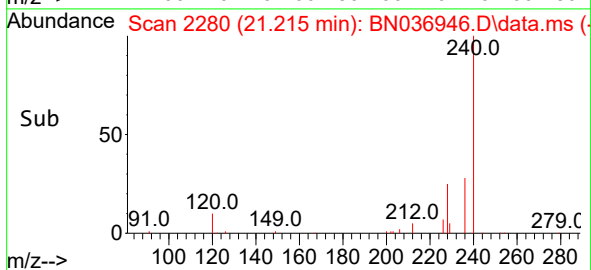
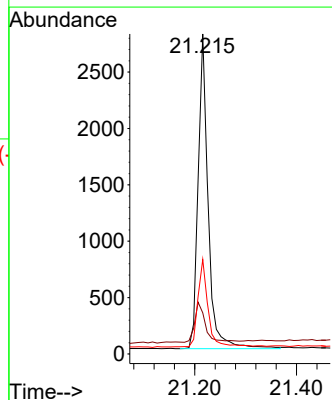
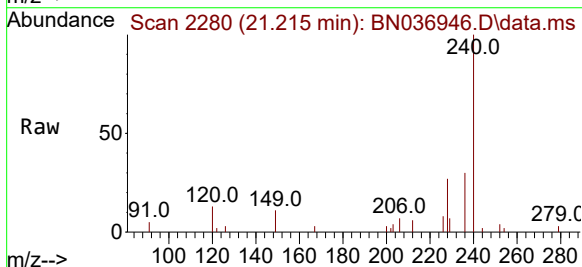
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

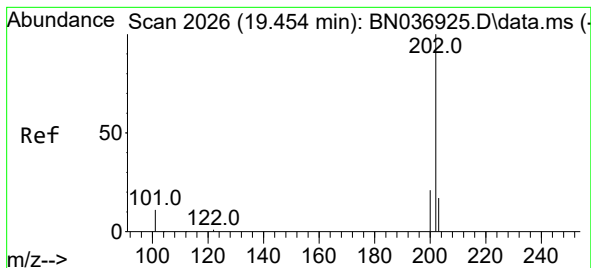
Tgt Ion:202 Resp: 4462
Ion Ratio Lower Upper
202 100
101 10.2 8.5 12.7
203 16.9 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

Tgt Ion:240 Resp: 3821
Ion Ratio Lower Upper
240 100
120 12.9 14.1 21.1#
236 29.6 23.8 35.8





#30

Pyrene

Concen: 0.087 ng

RT: 19.454 min Scan# 20

Delta R.T. -0.000 min

Lab File: BN036946.D

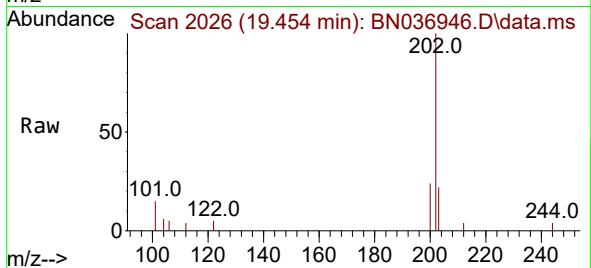
Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3



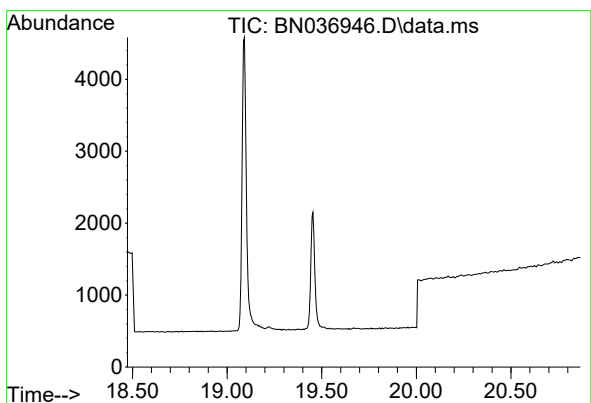
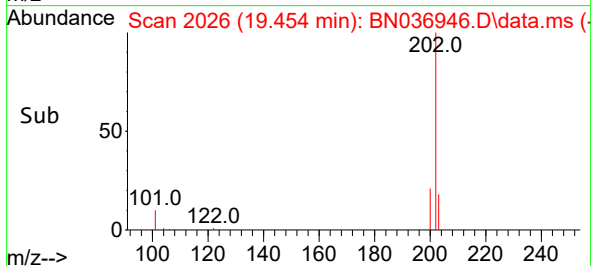
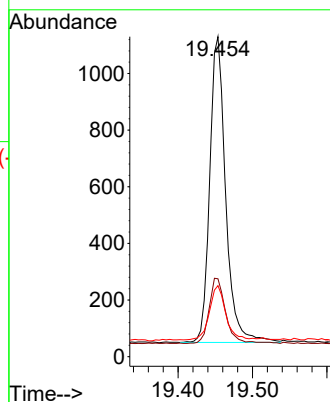
Tgt Ion:202 Resp: 1609

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 18.1 14.0 21.0



#31

Terphenyl-d14

Concen: 0.000 ng

Expected RT: 19.67 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

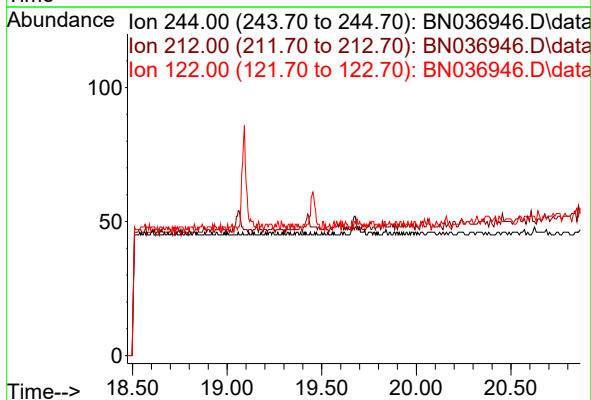
Tgt Ion: 244

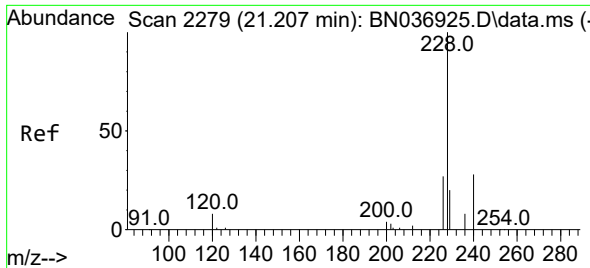
Sig Exp Ratio

244 100

212 12.0

122 15.9

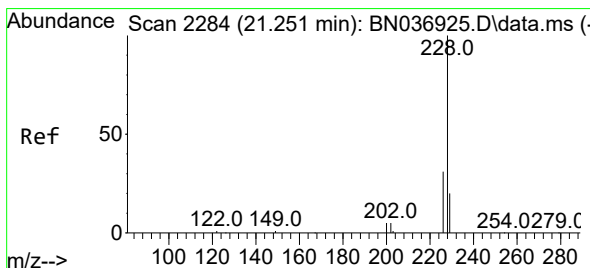
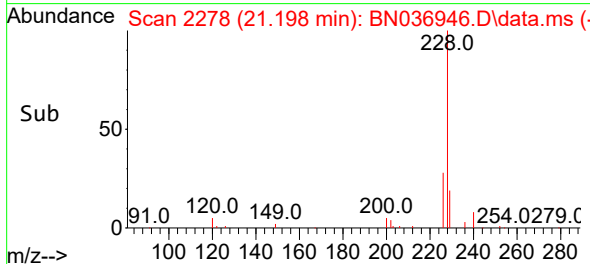
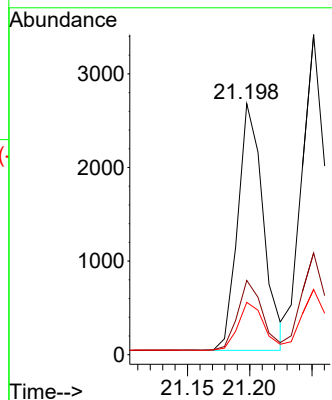
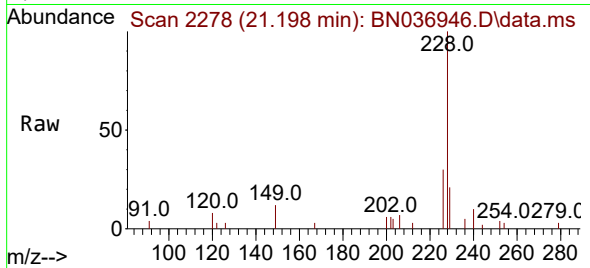




#32
Benzo(a)anthracene
Concen: 0.267 ng
RT: 21.198 min Scan# 21198
Delta R.T. -0.009 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

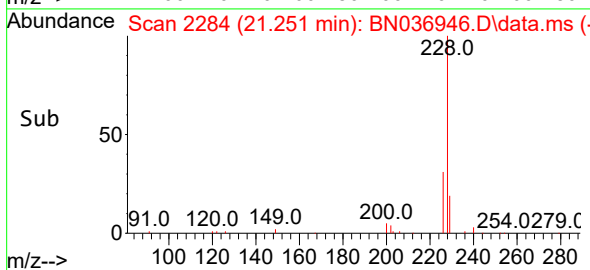
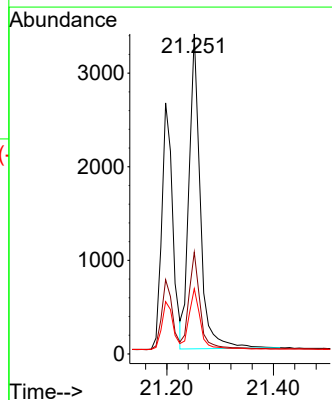
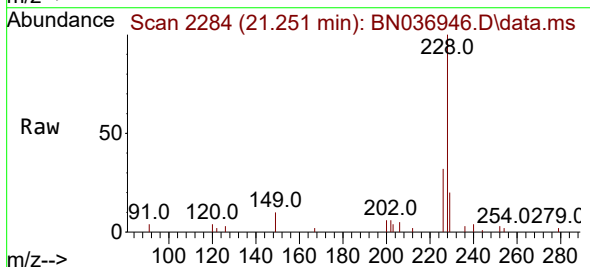
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

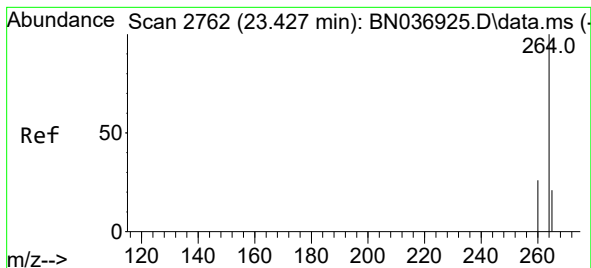
Tgt Ion:228 Resp: 3757
Ion Ratio Lower Upper
228 100
226 29.5 22.2 33.4
229 20.8 16.4 24.6



#33
Chrysene
Concen: 0.326 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

Tgt Ion:228 Resp: 4943
Ion Ratio Lower Upper
228 100
226 31.8 25.5 38.3
229 20.4 16.5 24.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.424 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036946.D

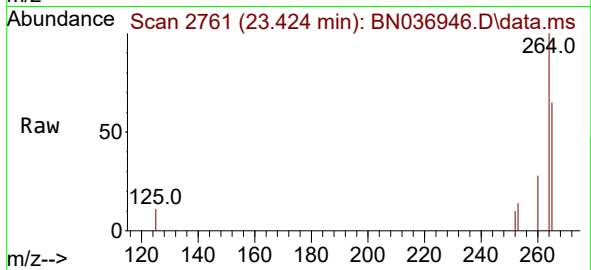
Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3



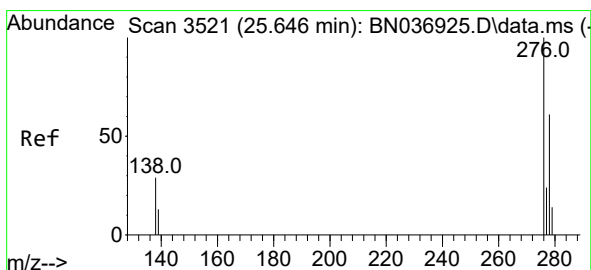
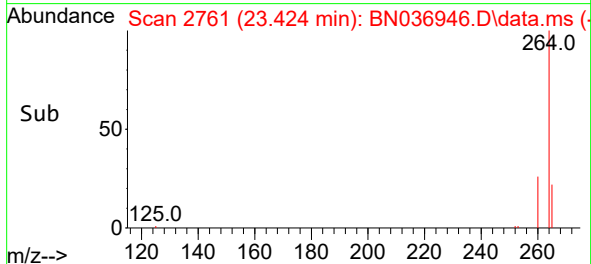
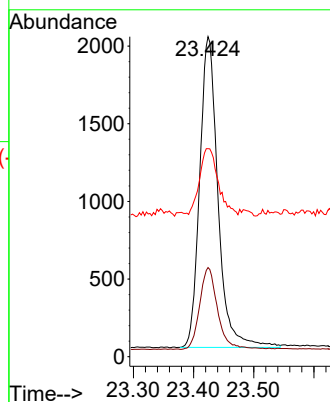
Tgt Ion:264 Resp: 4217

Ion	Ratio	Lower	Upper
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264	100		
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260	27.9	22.2	33.2
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265	65.0	65.8	98.6#
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#36

Indeno(1,2,3-cd)pyrene

Concen: 0.268 ng

RT: 25.640 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

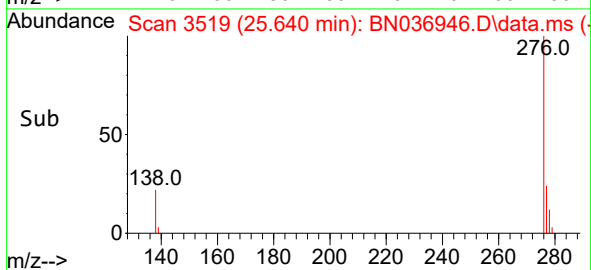
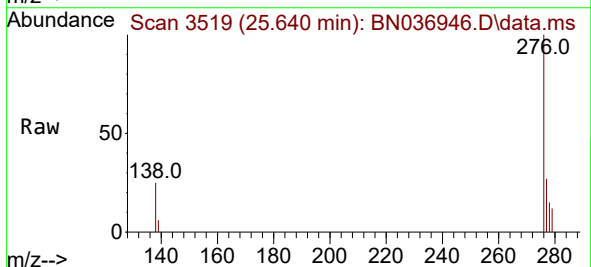
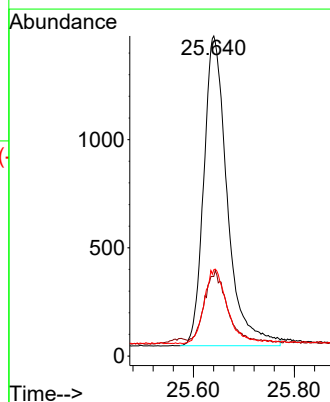
Tgt Ion:276 Resp: 4624

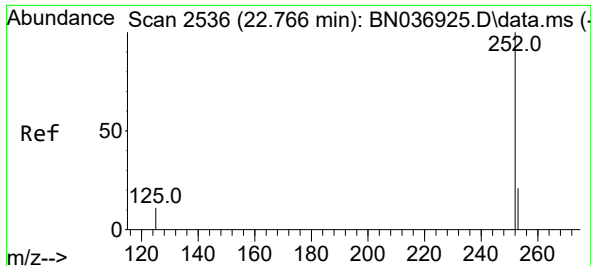
Ion	Ratio	Lower	Upper
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276	100		
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138	20.8	23.0	34.6#
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277	23.6	20.0	30.0
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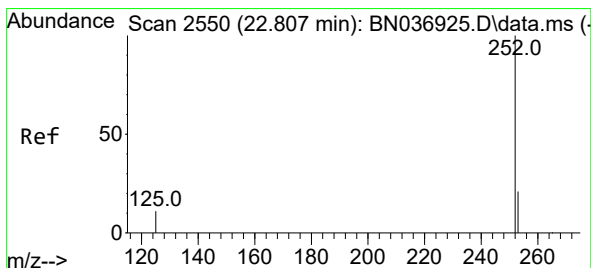
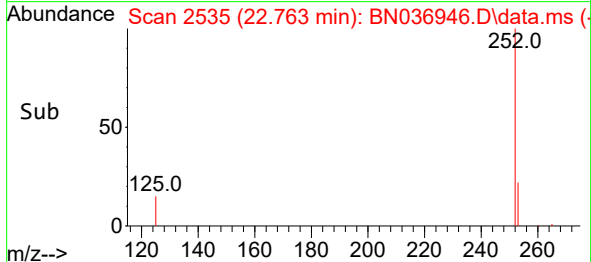
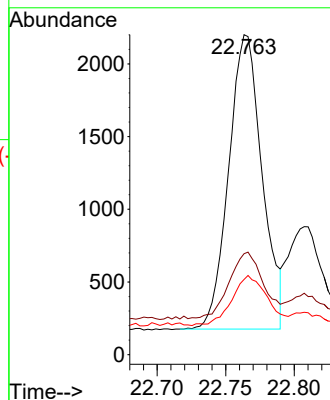
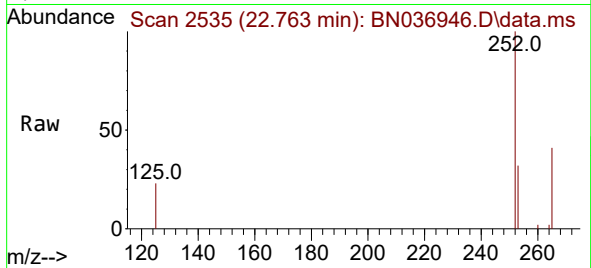




#37
Benzo(b)fluoranthene
Concen: 0.194 ng
RT: 22.763 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

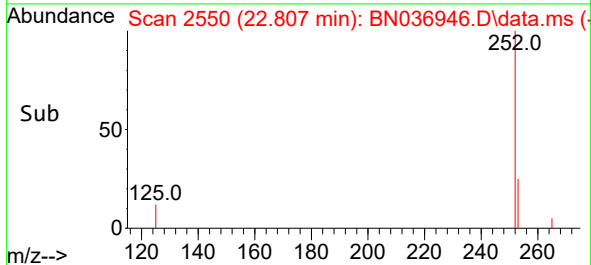
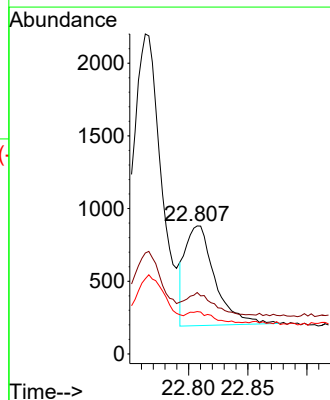
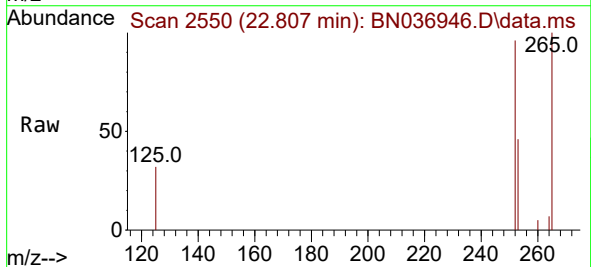
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

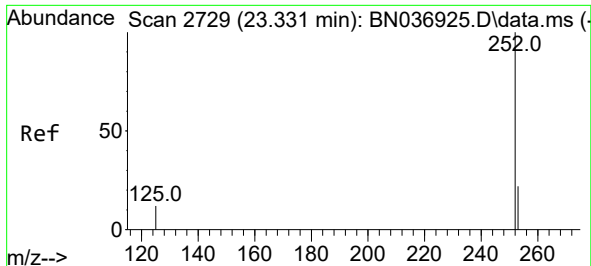
Tgt Ion:252 Resp: 3434
Ion Ratio Lower Upper
252 100
253 31.5 22.1 33.1
125 23.5 14.2 21.2#



#38
Benzo(k)fluoranthene
Concen: 0.067 ng
RT: 22.807 min Scan# 2550
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

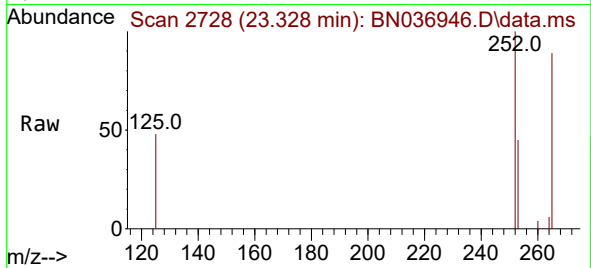
Tgt Ion:252 Resp: 1195
Ion Ratio Lower Upper
252 100
253 48.1 22.8 34.2#
125 33.2 14.2 21.2#



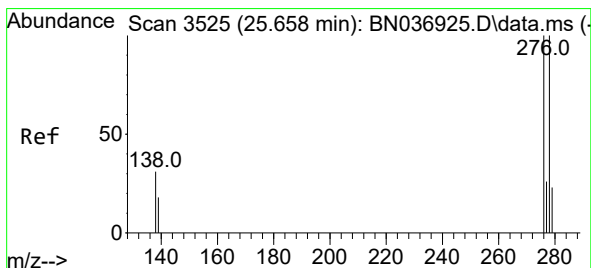
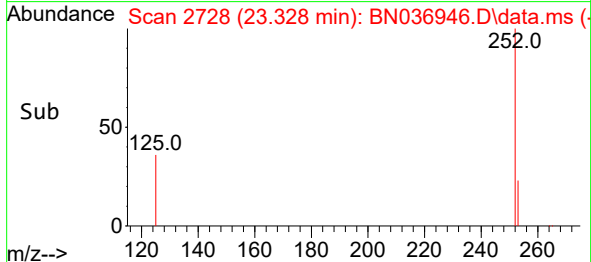
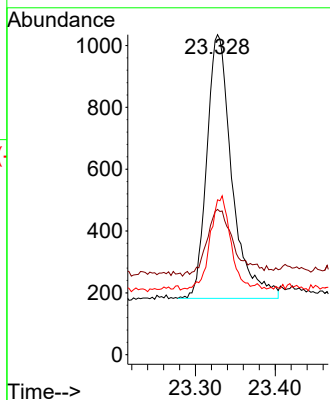


#39
Benzo(a)pyrene
Concen: 0.128 ng
RT: 23.328 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

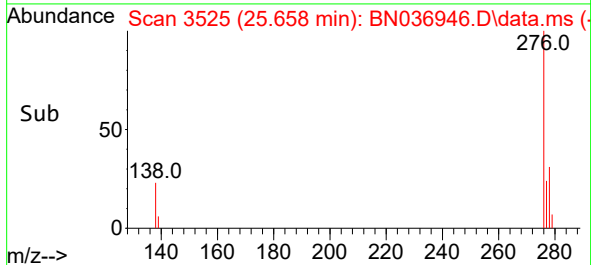
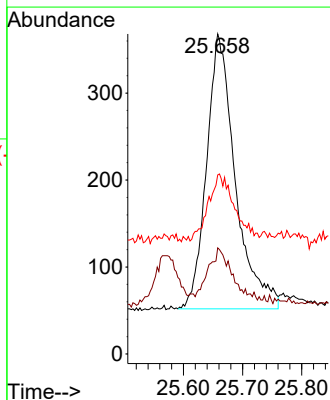
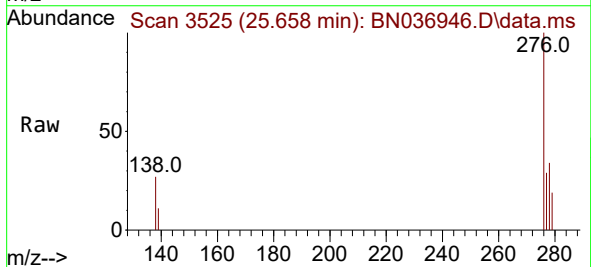


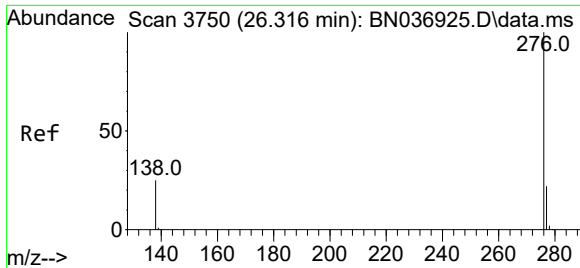
Tgt Ion:252 Resp: 1866
Ion Ratio Lower Upper
252 100
253 45.4 25.9 38.9#
125 48.4 17.4 26.0#



#40
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 25.658 min Scan# 3525
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

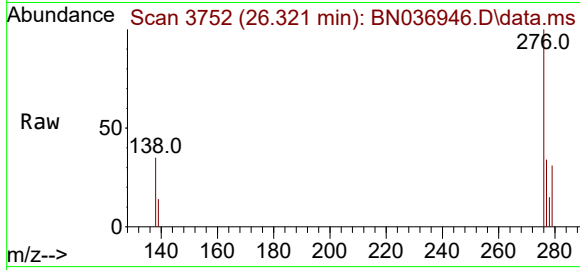
Tgt Ion:278 Resp: 1065
Ion Ratio Lower Upper
278 100
139 33.2 17.4 26.2#
279 56.0 24.9 37.3#





#41
Benzo(g,h,i)perylene
Concen: 0.083 ng
RT: 26.321 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

Instrument :
BNA_N
ClientSampleId :
38072-010925DL3



Tgt Ion:276 Resp: 1245
Ion Ratio Lower Upper
276 100
277 34.4 20.2 30.2#
138 34.9 21.9 32.9#

