

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)

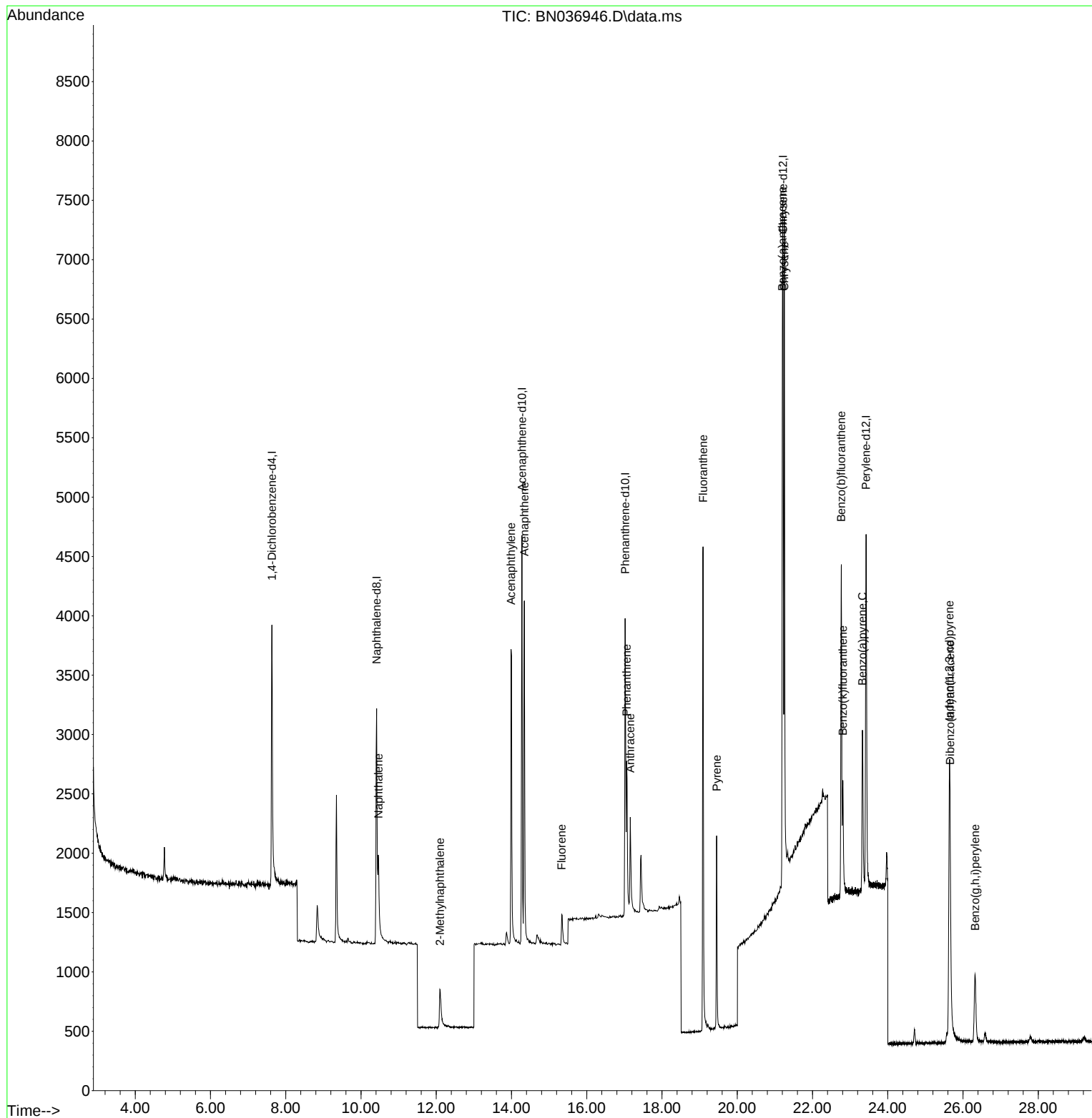
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	1353	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	3363	0.400	ng	# 0.00
13) Acenaphthene-d10	14.277	164	1975	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	3999	0.400	ng	0.00
29) Chrysene-d12	21.215	240	3821	0.400	ng	# 0.00
35) Perylene-d12	23.424	264	4217	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.221	112	6	0.002	ng	0.00
5) Phenol-d6	6.781	99	2	0.000	ng	-0.02
8) Nitrobenzene-d5	8.803	82	14	0.004	ng	0.02
11) 2-Methylnaphthalene-d10	11.996	152	2	0.000	ng	-0.01
14) 2,4,6-Tribromophenol	15.743	330	1	0.001	ng	-0.02
15) 2-Fluorobiphenyl	12.914	172	6	0.001	ng	0.02
27) Fluoranthene-d10	19.059	212	15	0.001	ng	0.00
31) Terphenyl-d14	19.672	244	13	0.001	ng	0.00
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

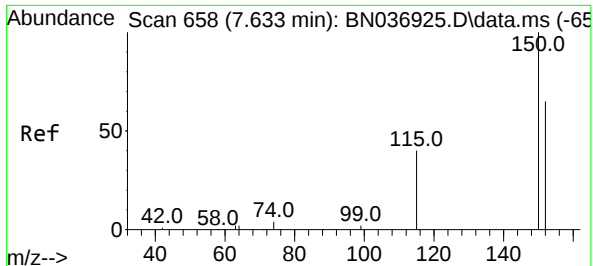
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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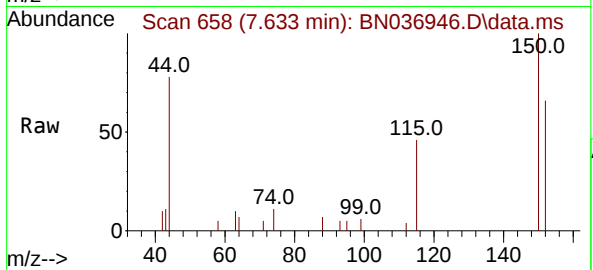
Quant Time: Apr 30 15:18:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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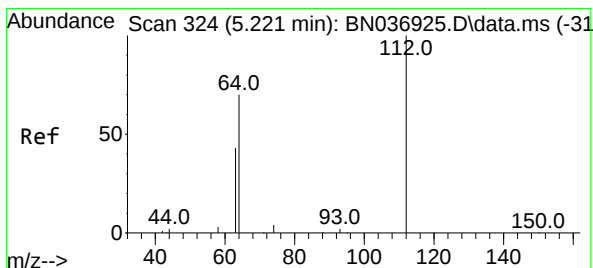
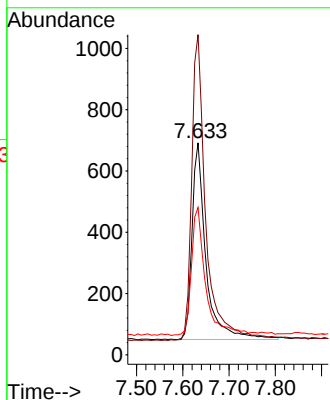
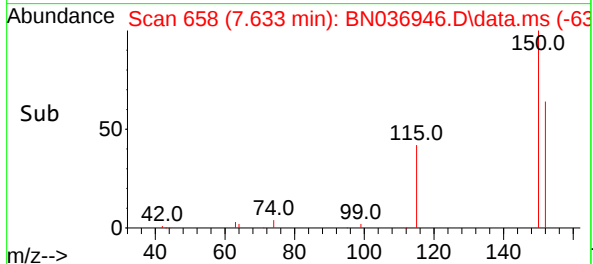


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

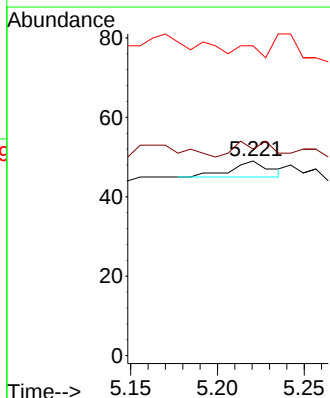
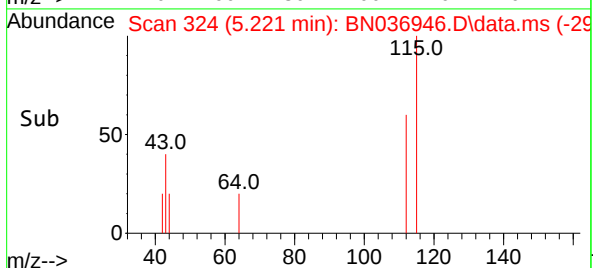
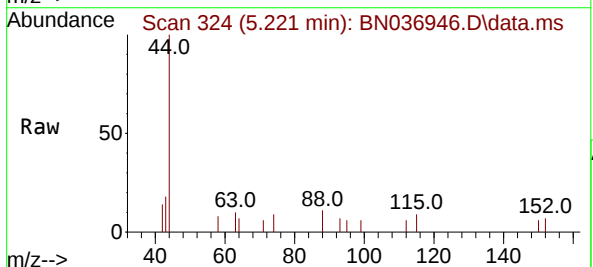


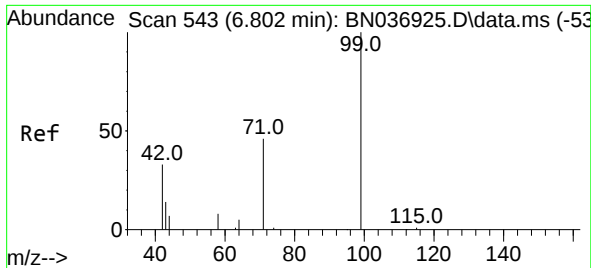
Tgt Ion:152 Resp: 1353
Ion Ratio Lower Upper
152 100
150 151.0 121.1 181.7
115 69.5 51.8 77.6



#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.221 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

Tgt Ion:112 Resp: 6
Ion Ratio Lower Upper
112 100
64 100.0 55.7 83.5#
63 0.0 33.9 50.9#

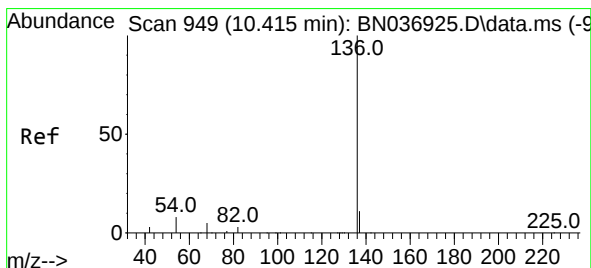
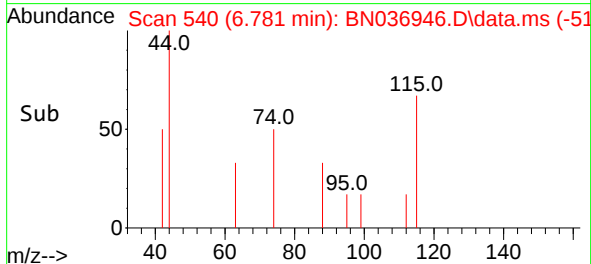
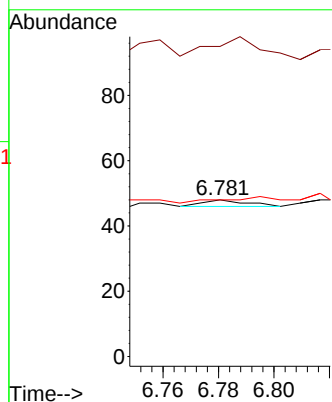
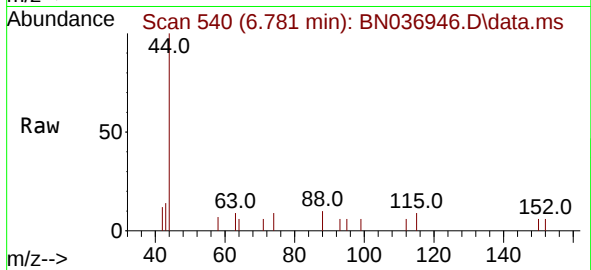




#5
Phenol-d6
Concen: 0.000 ng
RT: 6.781 min Scan# 543
Delta R.T. -0.022 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

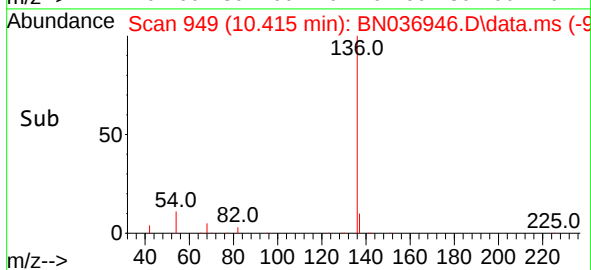
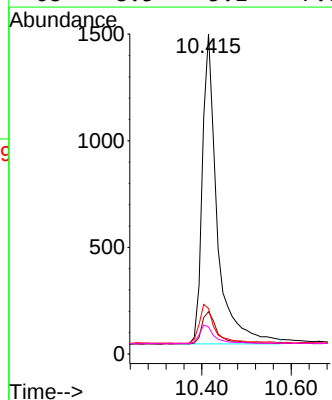
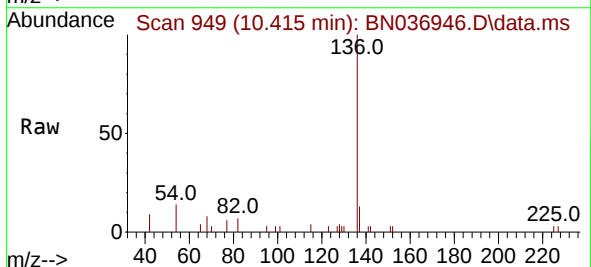
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

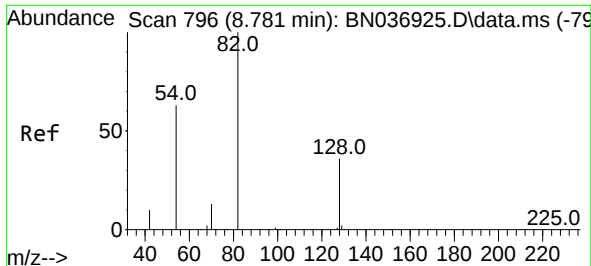
Tgt Ion: 99 Resp: 2
Ion Ratio Lower Upper
99 100
42 550.0 29.6 44.4#
71 150.0 36.0 54.0#



#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: 0.004 ng
 RT: 8.803 min Scan# 796
 Delta R.T. 0.021 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

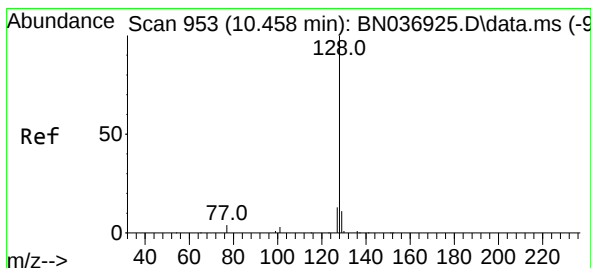
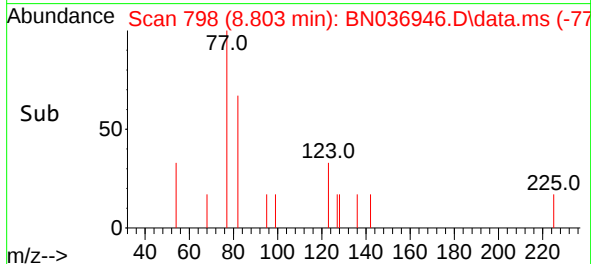
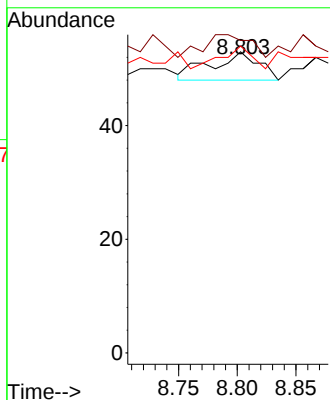
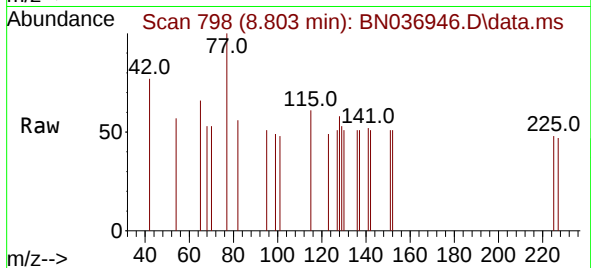
Instrument :

BNA_N

ClientSampleId :

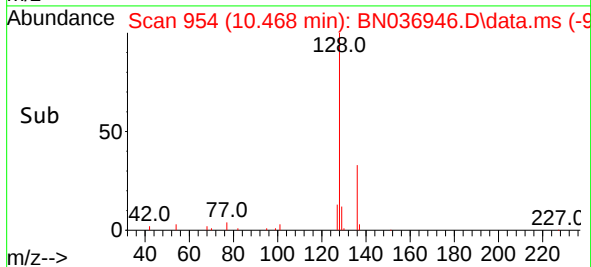
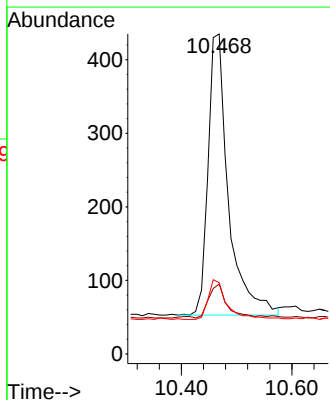
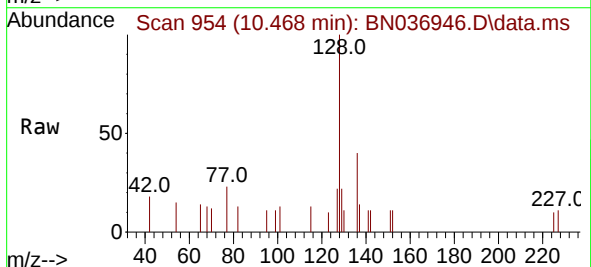
38072-010925DL3

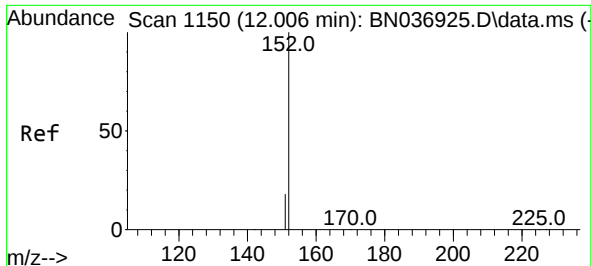
Tgt Ion: 82 Resp: 14
 Ion Ratio Lower Upper
 82 100
 128 103.8 30.7 46.1#
 54 101.9 52.1 78.1#



#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#

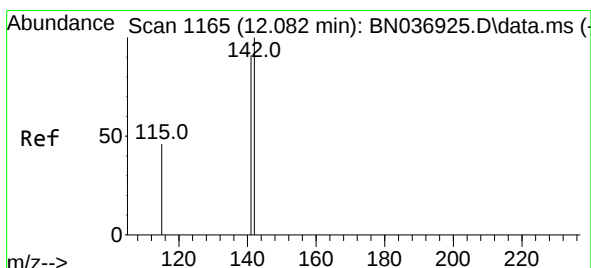
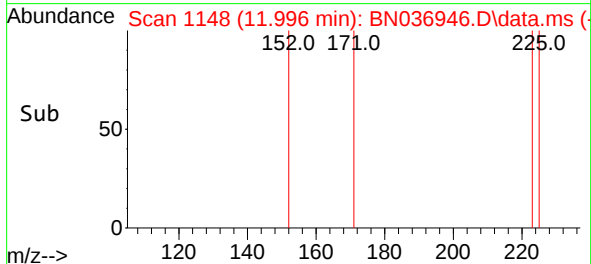
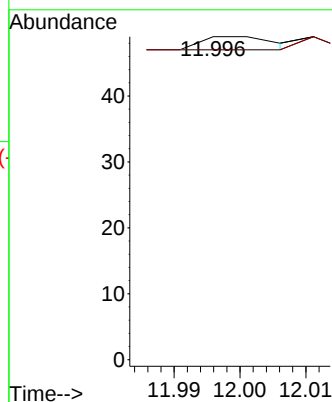
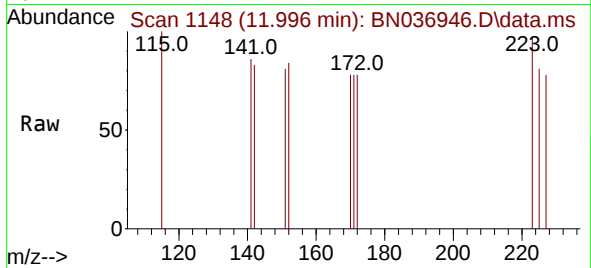




#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
RT: 11.996 min Scan# 1148
Delta R.T. -0.010 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

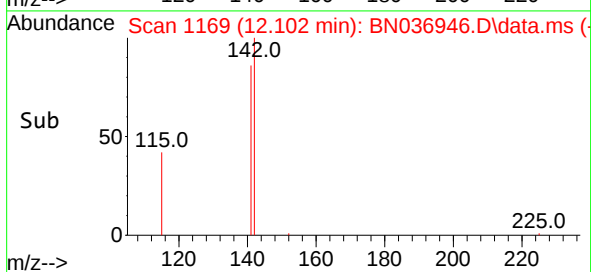
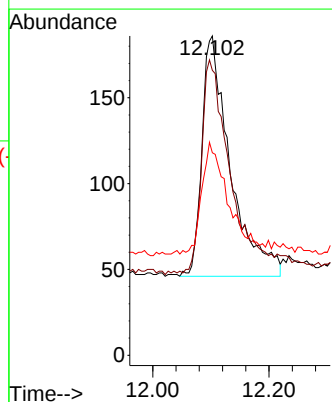
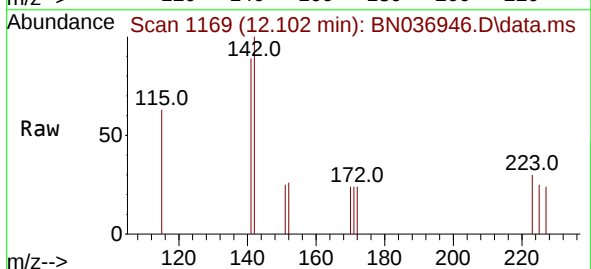
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

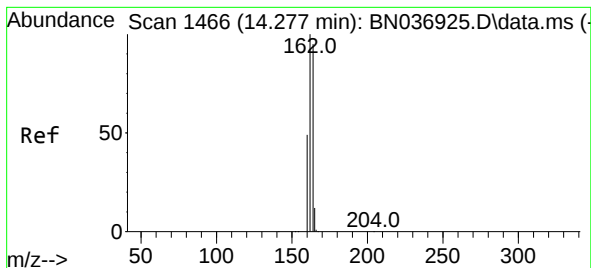
Tgt Ion:152 Resp: 2
Ion Ratio Lower Upper
152 100
151 0.0 16.9 25.3#



#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# 1466

Delta R.T. -0.000 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3

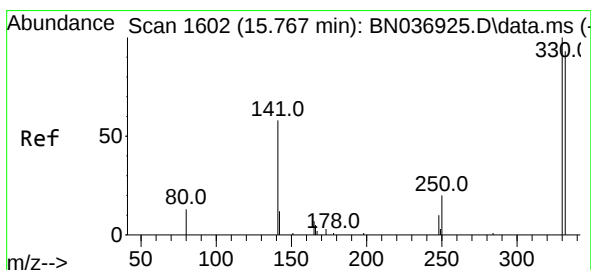
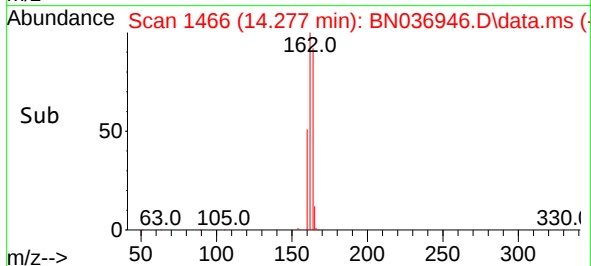
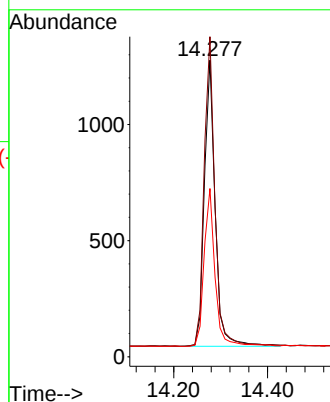
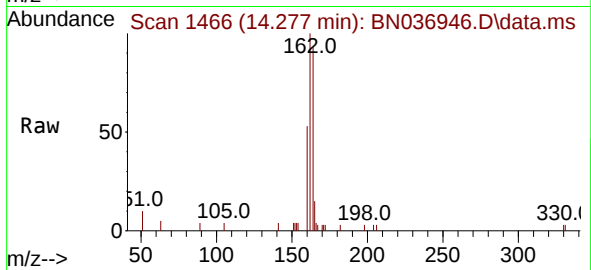
Tgt Ion:164 Resp: 1975

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: 0.001 ng

RT: 15.743 min Scan# 1600

Delta R.T. -0.025 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

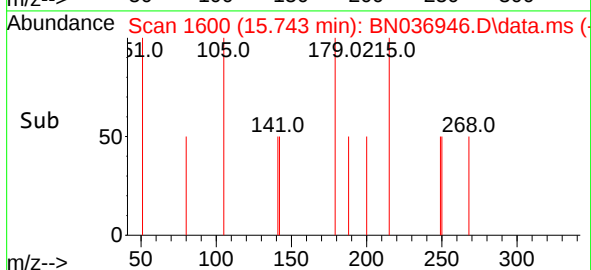
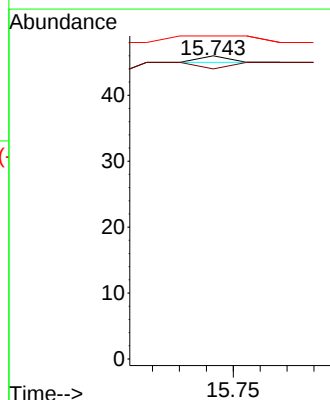
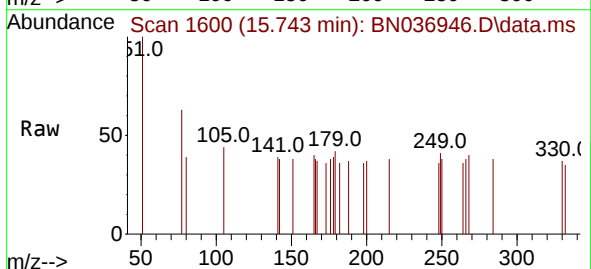
Tgt Ion:330 Resp: 1

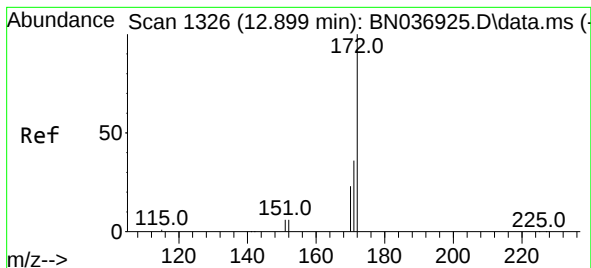
Ion Ratio Lower Upper

330 100

332 0.0 76.3 114.5#

141 200.0 45.4 68.2#





#15

2-Fluorobiphenyl

Concen: 0.001 ng

RT: 12.914 min Scan# 11

Delta R.T. 0.015 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3

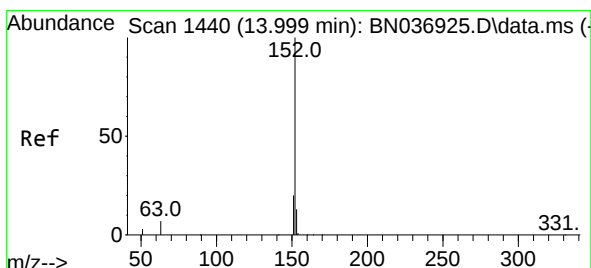
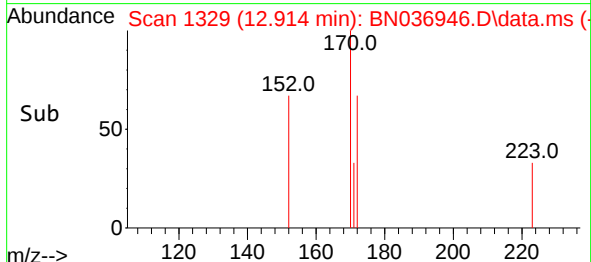
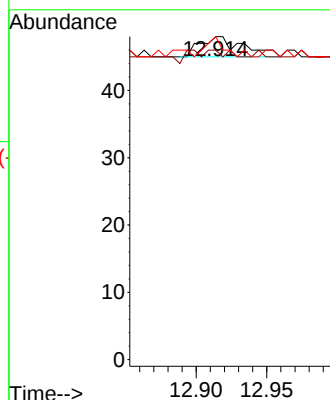
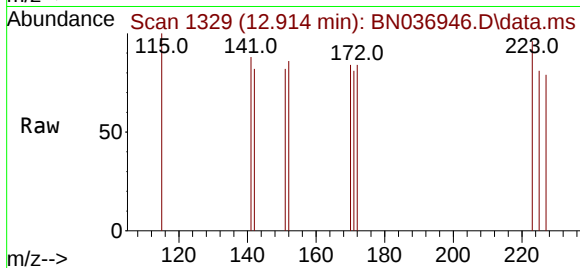
Tgt Ion:172 Resp: 6

Ion Ratio Lower Upper

172 100

171 95.8 29.4 44.0#

170 100.0 19.4 29.0#



#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

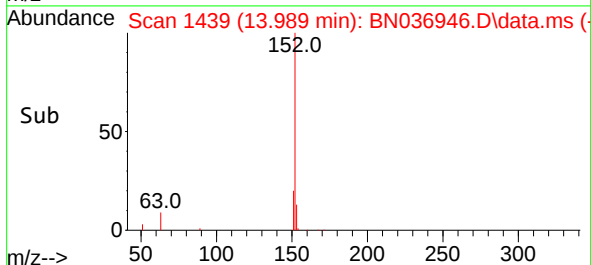
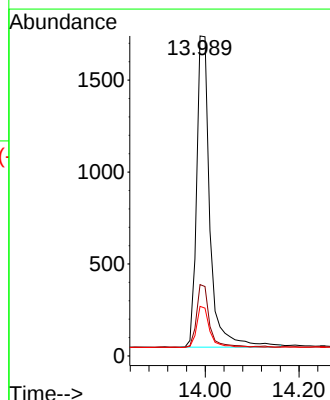
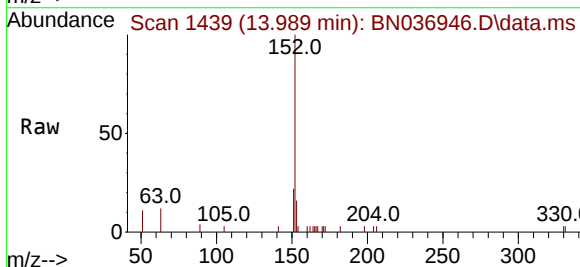
Tgt Ion:152 Resp: 3336

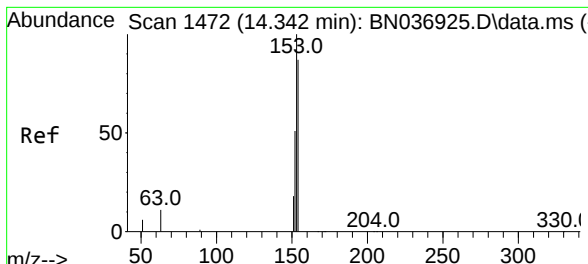
Ion Ratio Lower Upper

152 100

151 19.5 16.0 24.0

153 13.3 10.2 15.2

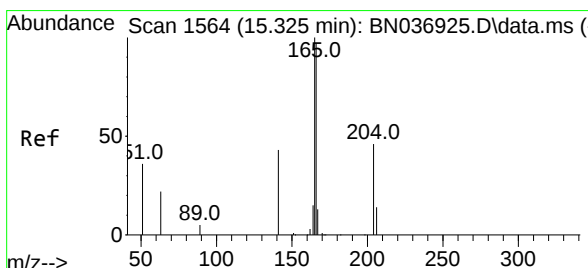
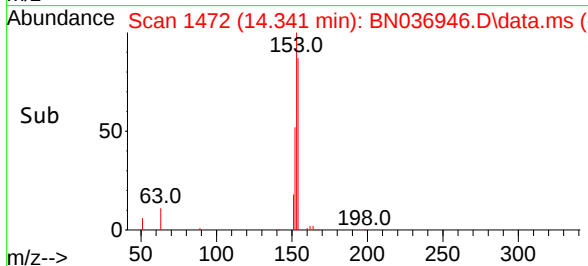
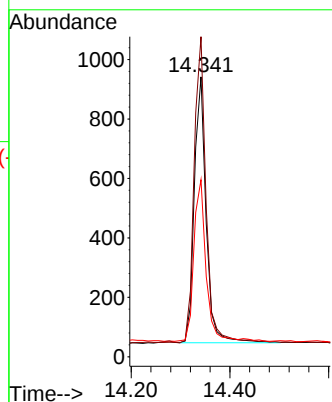
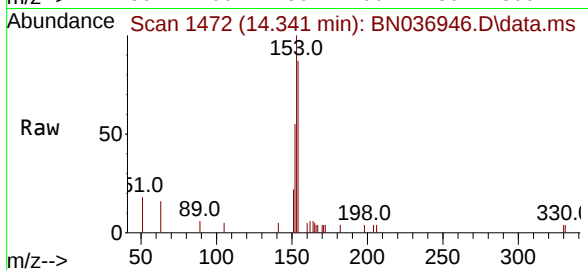




#17
Acenaphthene
Concen: 0.234 ng
RT: 14.341 min Scan# 1472
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

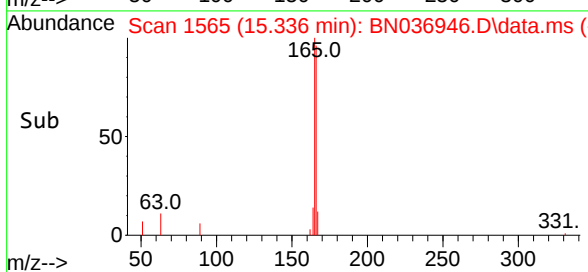
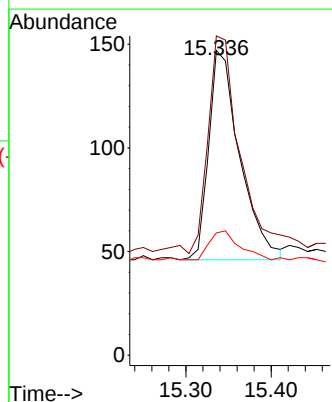
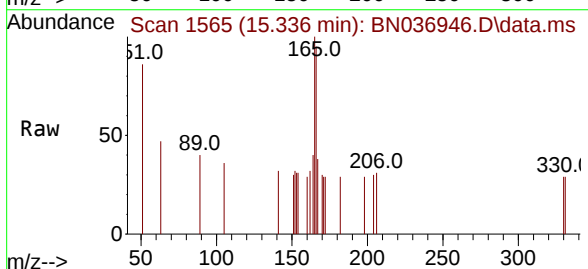
Instrument :
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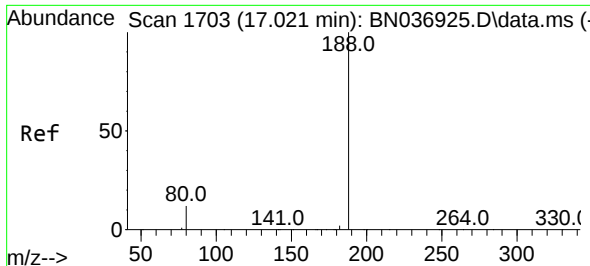
Tgt Ion:154 Resp: 1487
Ion Ratio Lower Upper
154 100
153 115.8 93.4 140.2
152 62.6 49.5 74.3



#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

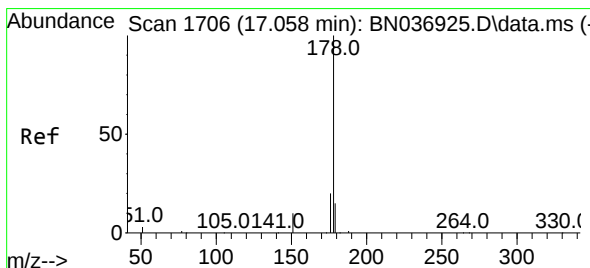
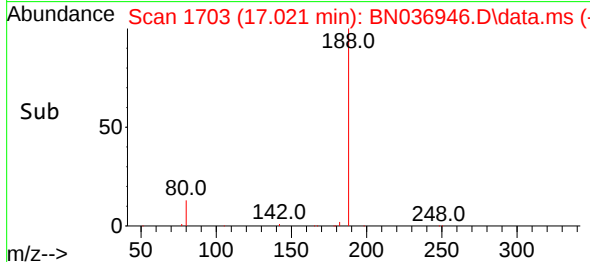
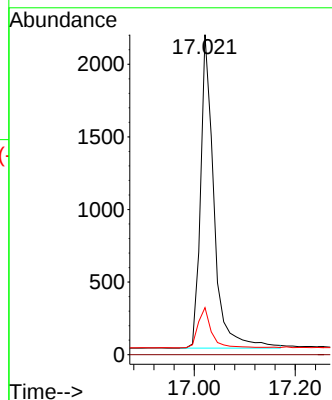
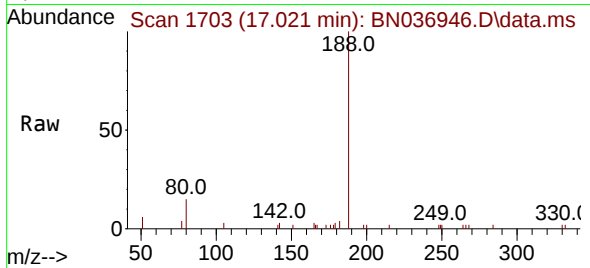




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

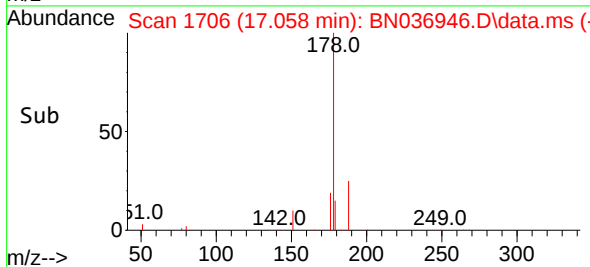
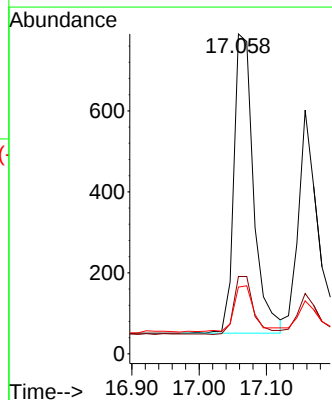
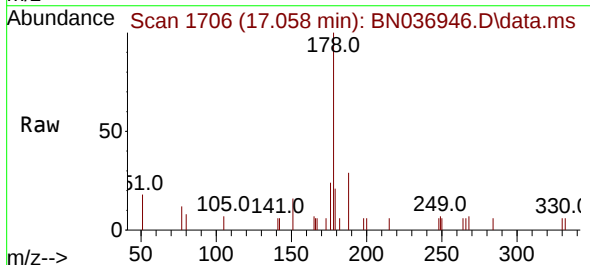
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

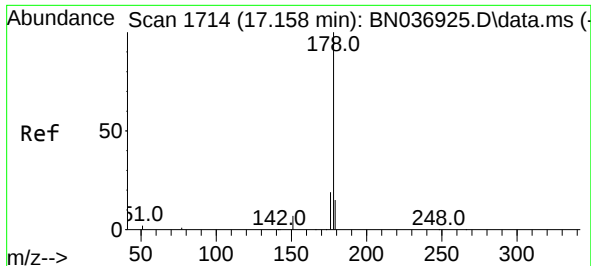
Tgt Ion:188 Resp: 3999
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.7 10.7 16.1



#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

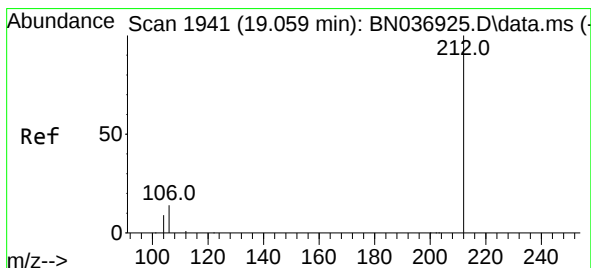
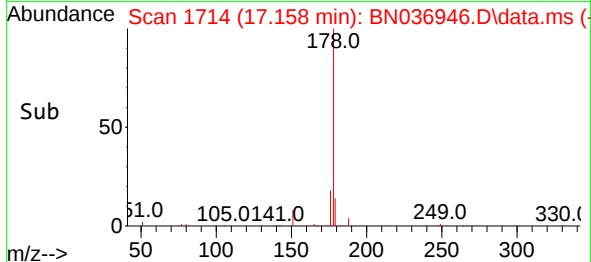
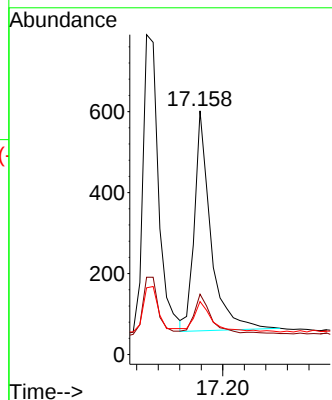
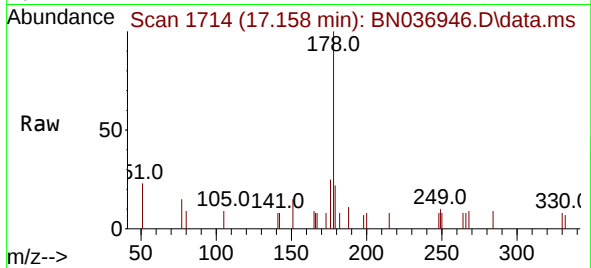




#26
 Anthracene
 Concen: 0.096 ng
 RT: 17.158 min Scan# 1714
 Delta R.T. -0.000 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

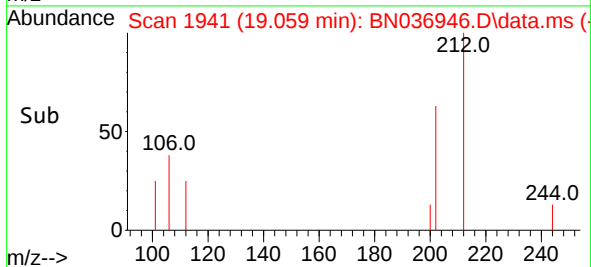
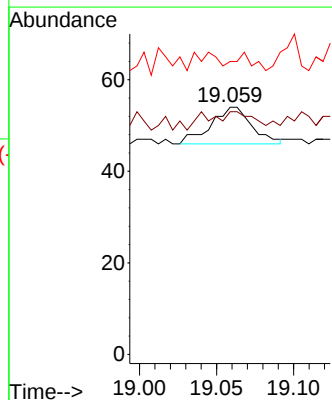
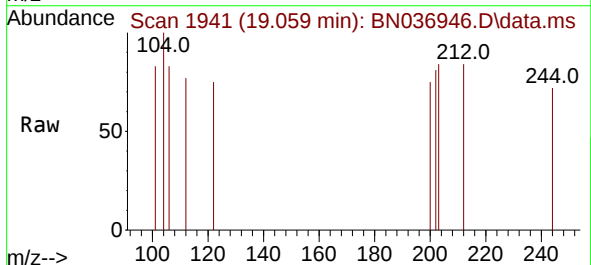
Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL3

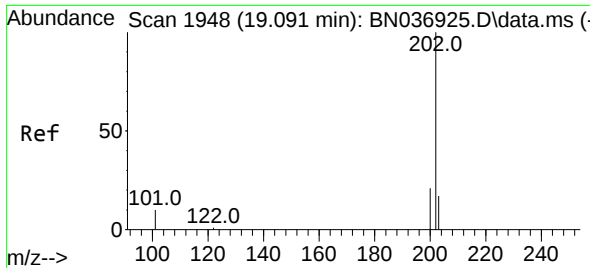
Tgt Ion:178 Resp: 1143
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.3 22.9
 179 16.0 12.1 18.1



#27
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.059 min Scan# 1941
 Delta R.T. -0.000 min
 Lab File: BN036946.D
 Acq: 30 Apr 2025 14:40

Tgt Ion:212 Resp: 15
 Ion Ratio Lower Upper
 212 100
 106 20.0 11.6 17.4#
 104 0.0 7.0 10.4#

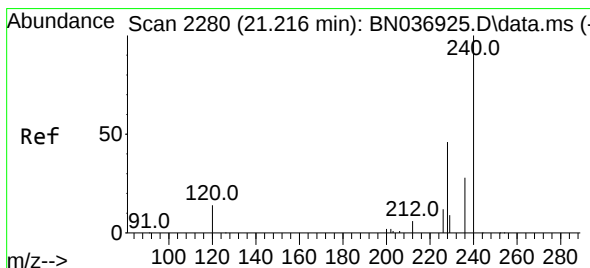
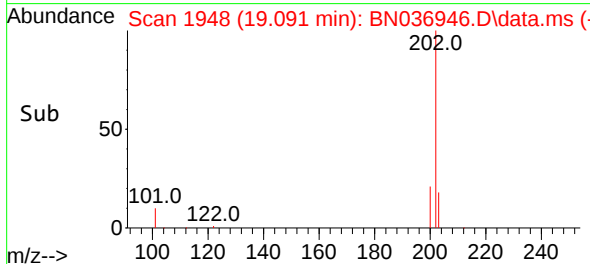
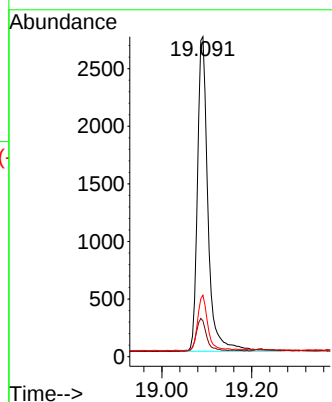
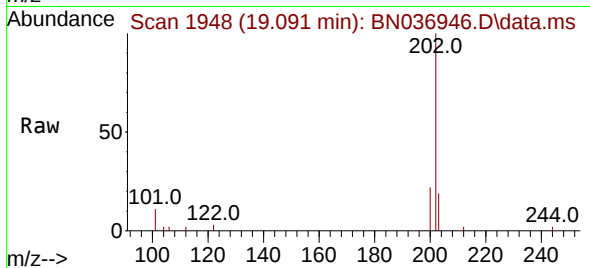




#28
Fluoranthene
Concen: 0.302 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

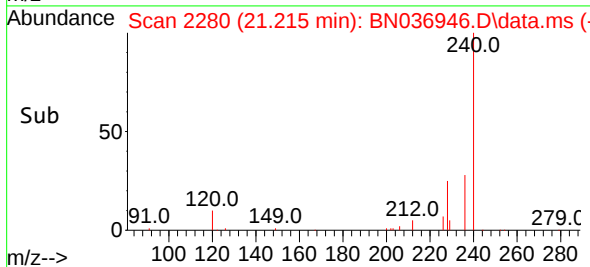
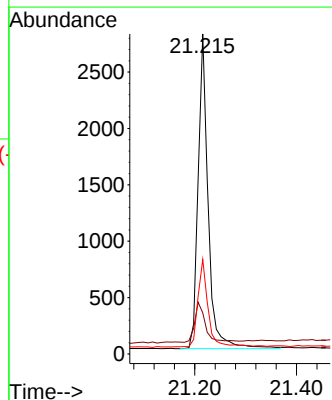
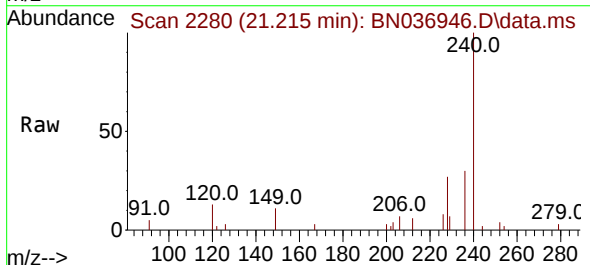
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

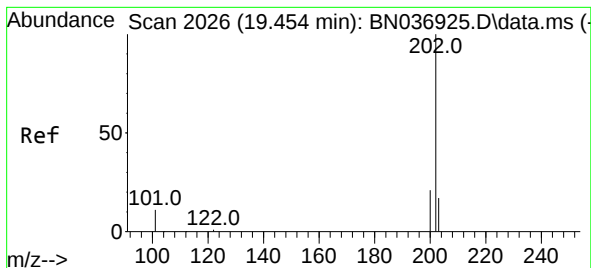
Tgt Ion:202 Resp: 4462
Ion Ratio Lower Upper
202 100
101 10.2 8.5 12.7
203 16.9 13.7 20.5



#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# 2026

Delta R.T. -0.000 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3

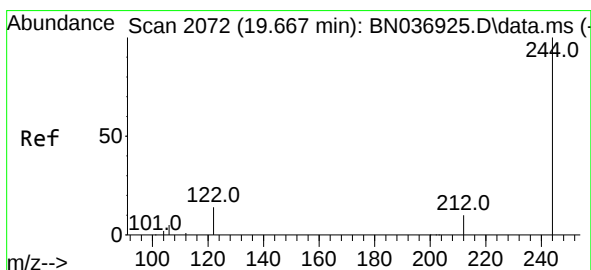
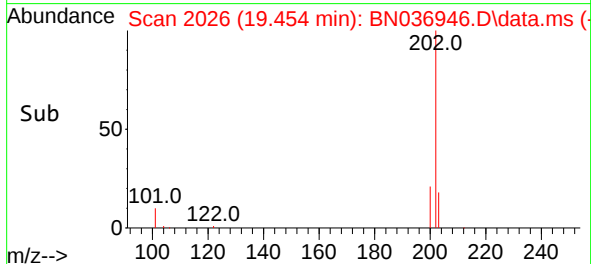
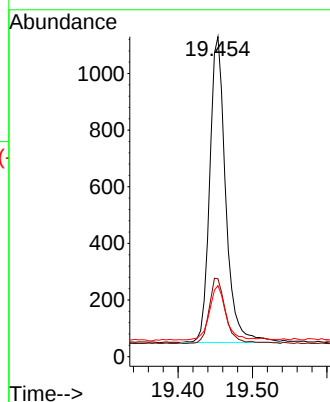
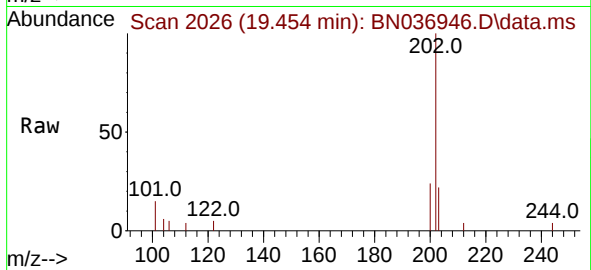
Tgt Ion:202 Resp: 1609

Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 18.1 14.0 21.0



#31

Terphenyl-d14

Concen: 0.001 ng

RT: 19.672 min Scan# 2073

Delta R.T. 0.005 min

Lab File: BN036946.D

Acq: 30 Apr 2025 14:40

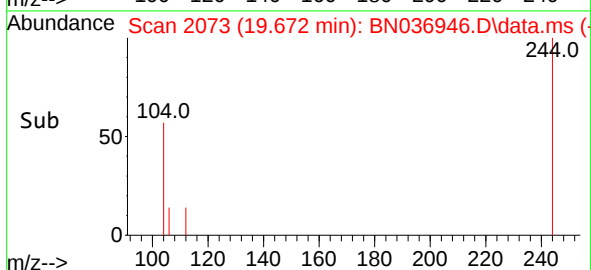
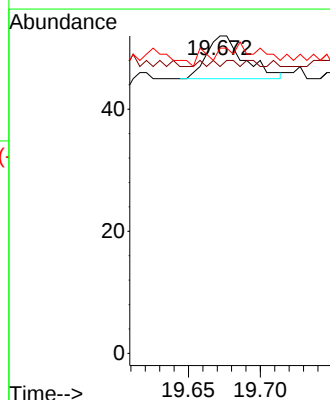
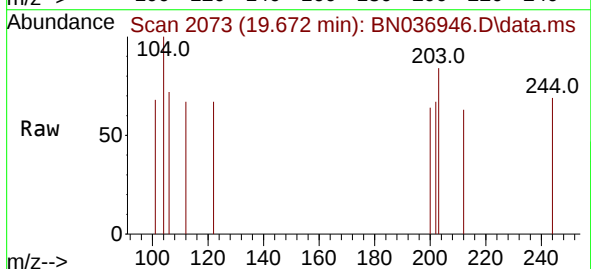
Tgt Ion:244 Resp: 13

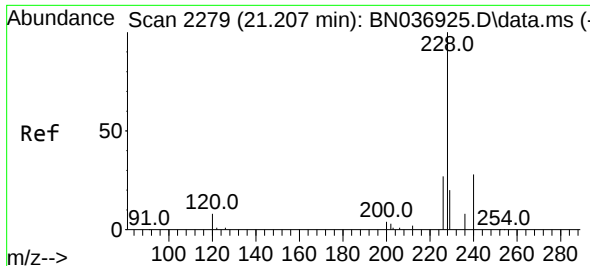
Ion Ratio Lower Upper

244 100

212 90.4 9.6 14.4#

122 96.2 12.7 19.1#

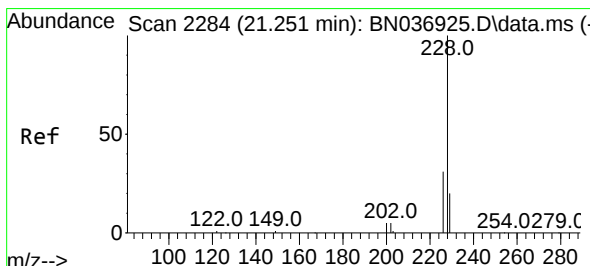
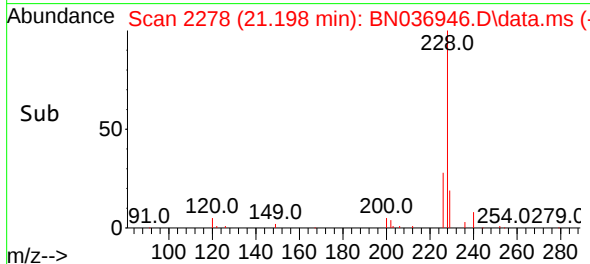
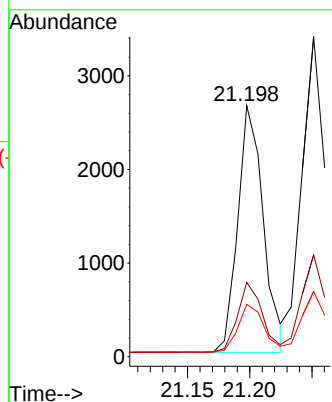
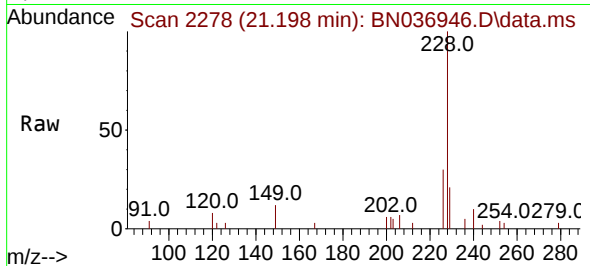




#32
Benzo(a)anthracene
Concen: 0.267 ng
RT: 21.198 min Scan# 21198
Delta R.T. -0.009 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

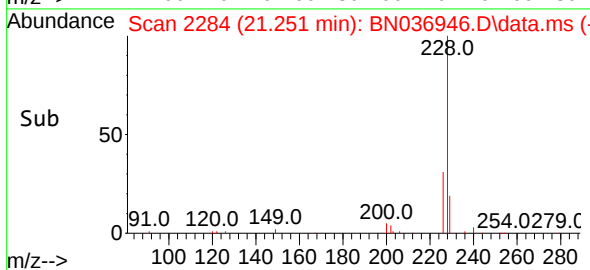
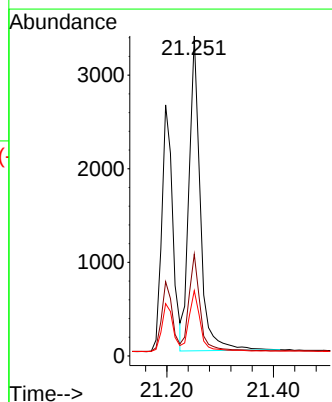
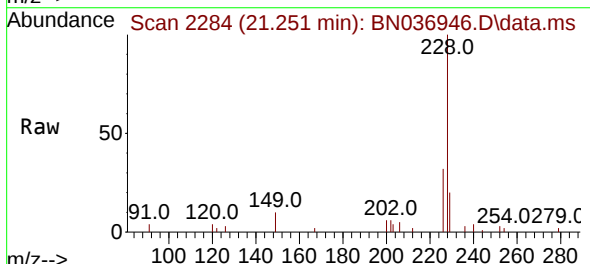
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

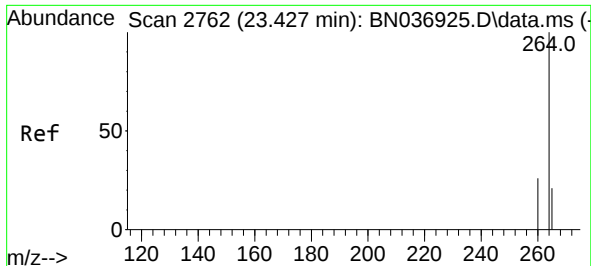
Tgt Ion:228 Resp: 3757
Ion Ratio Lower Upper
228 100
226 29.5 22.2 33.4
229 20.8 16.4 24.6



#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

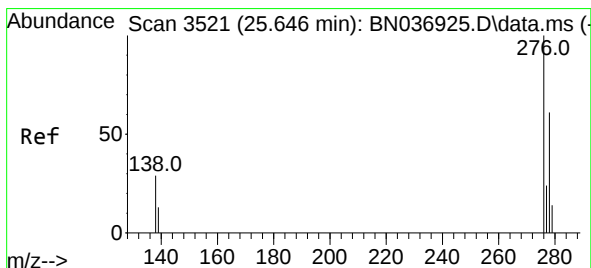
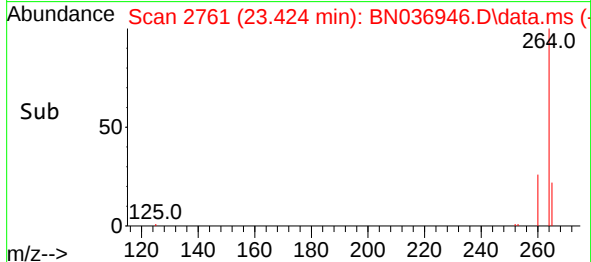
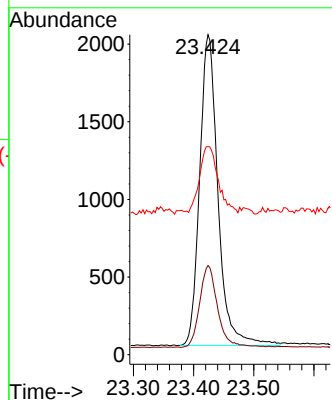
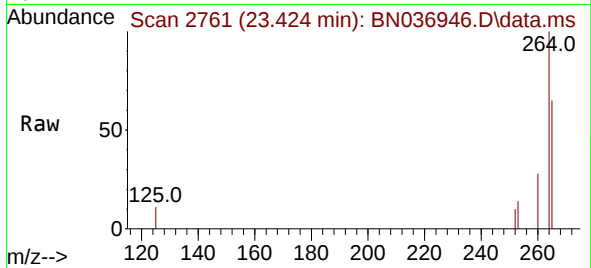




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.424 min Scan# 21
Delta R.T. -0.003 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

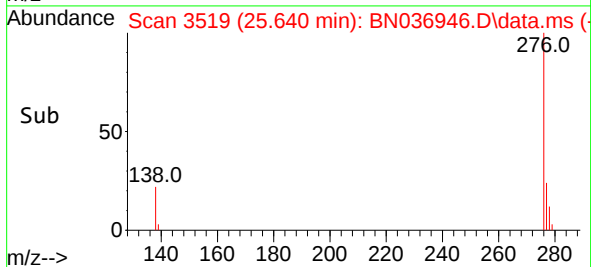
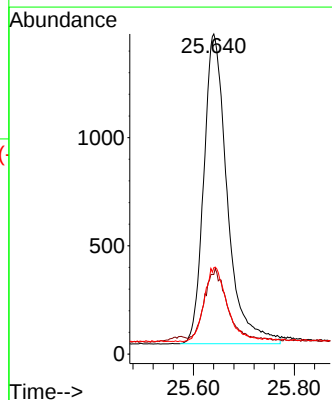
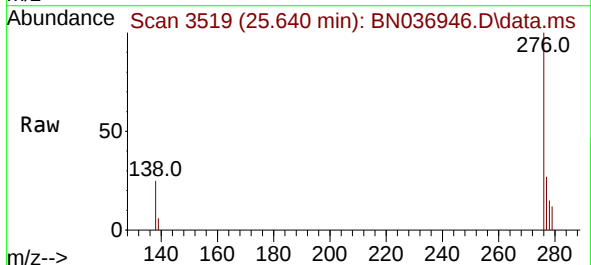
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

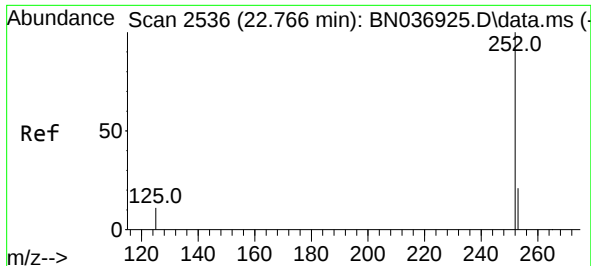
Tgt Ion:264 Resp: 4217
Ion Ratio Lower Upper
264 100
260 27.9 22.2 33.2
265 65.0 65.8 98.6#



#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
276 100
138 20.8 23.0 34.6#
277 23.6 20.0 30.0

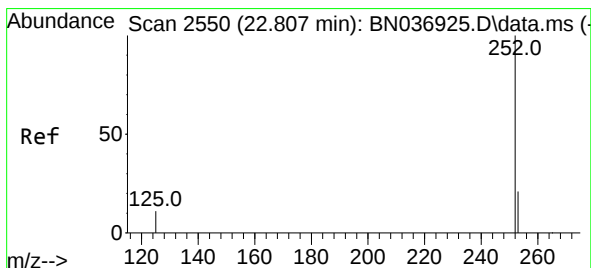
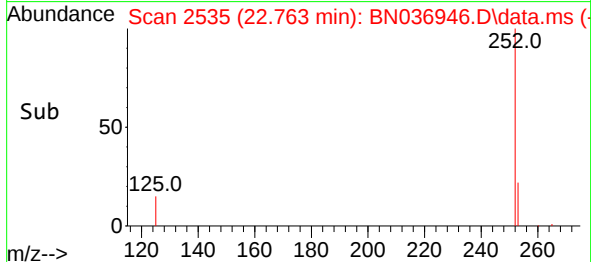
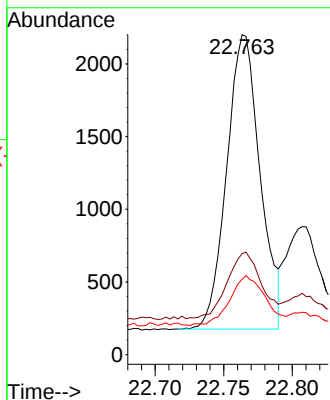
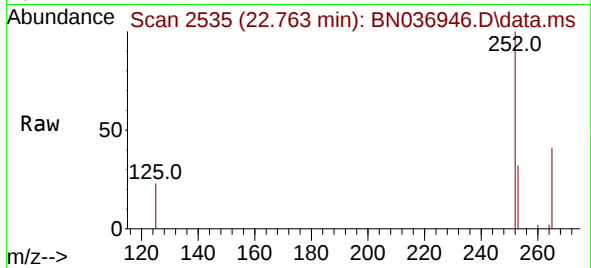




#37
Benzo(b)fluoranthene
Concen: 0.194 ng
RT: 22.763 min Scan# 2535
Delta R.T. -0.003 min
Lab File: BN036946.D
Acq: 30 Apr 2025 14:40

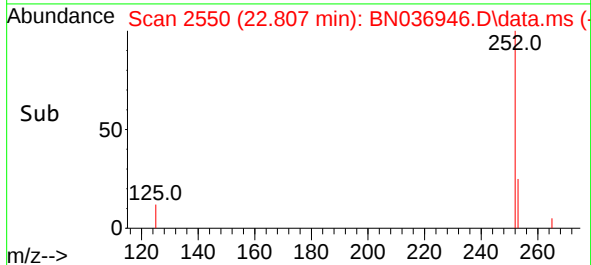
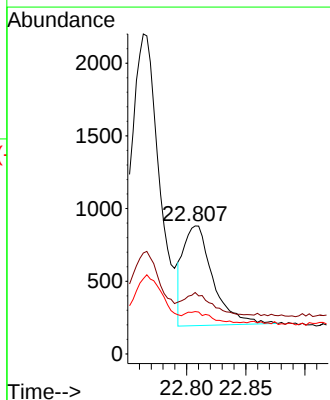
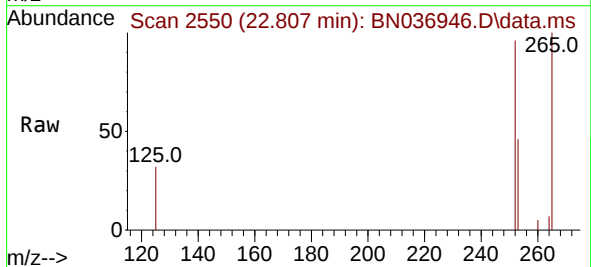
Instrument :
BNA_N
ClientSampleId :
38072-010925DL3

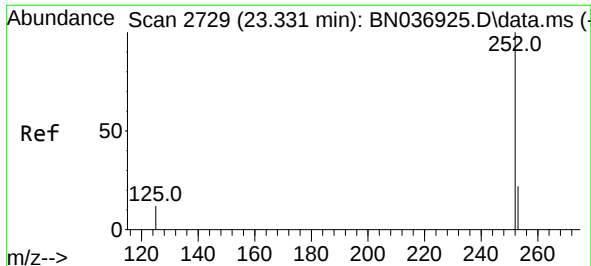
Tgt Ion:252 Resp: 3434
Ion Ratio Lower Upper
252 100
253 31.5 22.1 33.1
125 23.5 14.2 21.2#



#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

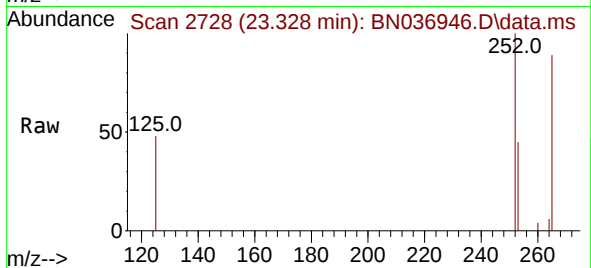
Acq: 30 Apr 2025 14:40

Instrument :

BNA_N

ClientSampleId :

38072-010925DL3



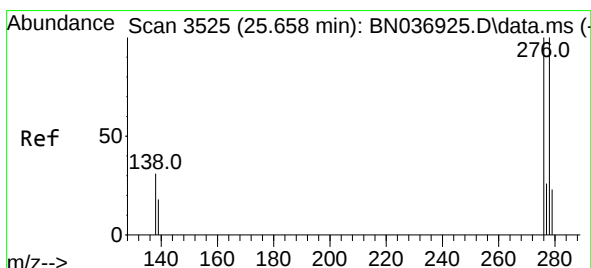
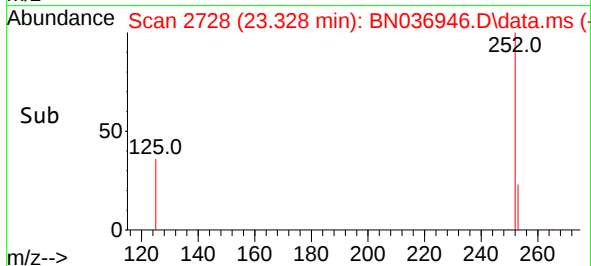
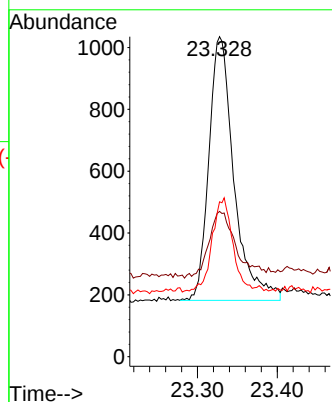
Tgt Ion:252 Resp: 1866

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

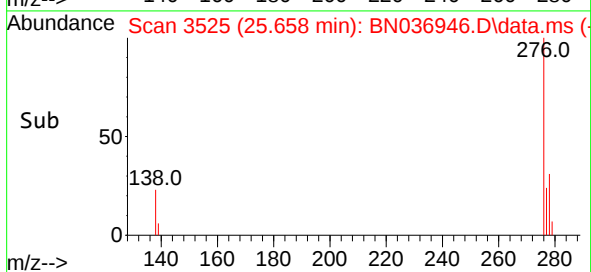
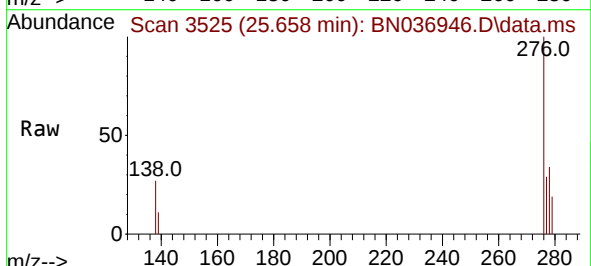
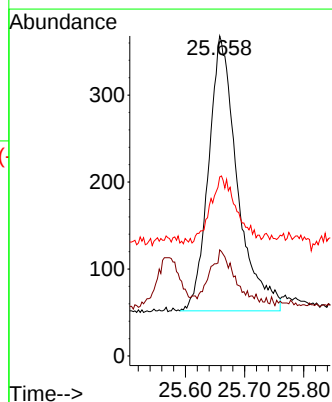
Tgt Ion:278 Resp: 1065

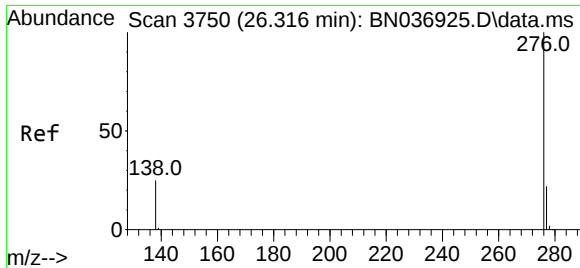
Ion Ratio Lower Upper

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

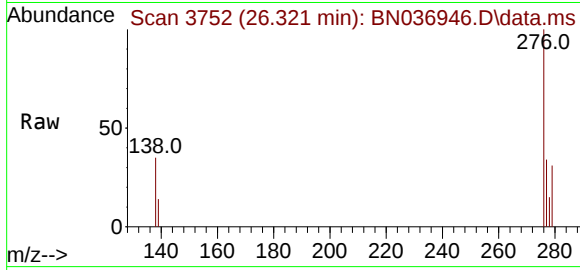
Acq: 30 Apr 2025 14:40

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#

