

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036938.D
 Acq On : 29 Apr 2025 14:17
 Operator : RC/JU
 Sample : Q1870-01DL2 50X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

Quant Time: Apr 29 14:40:26 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)

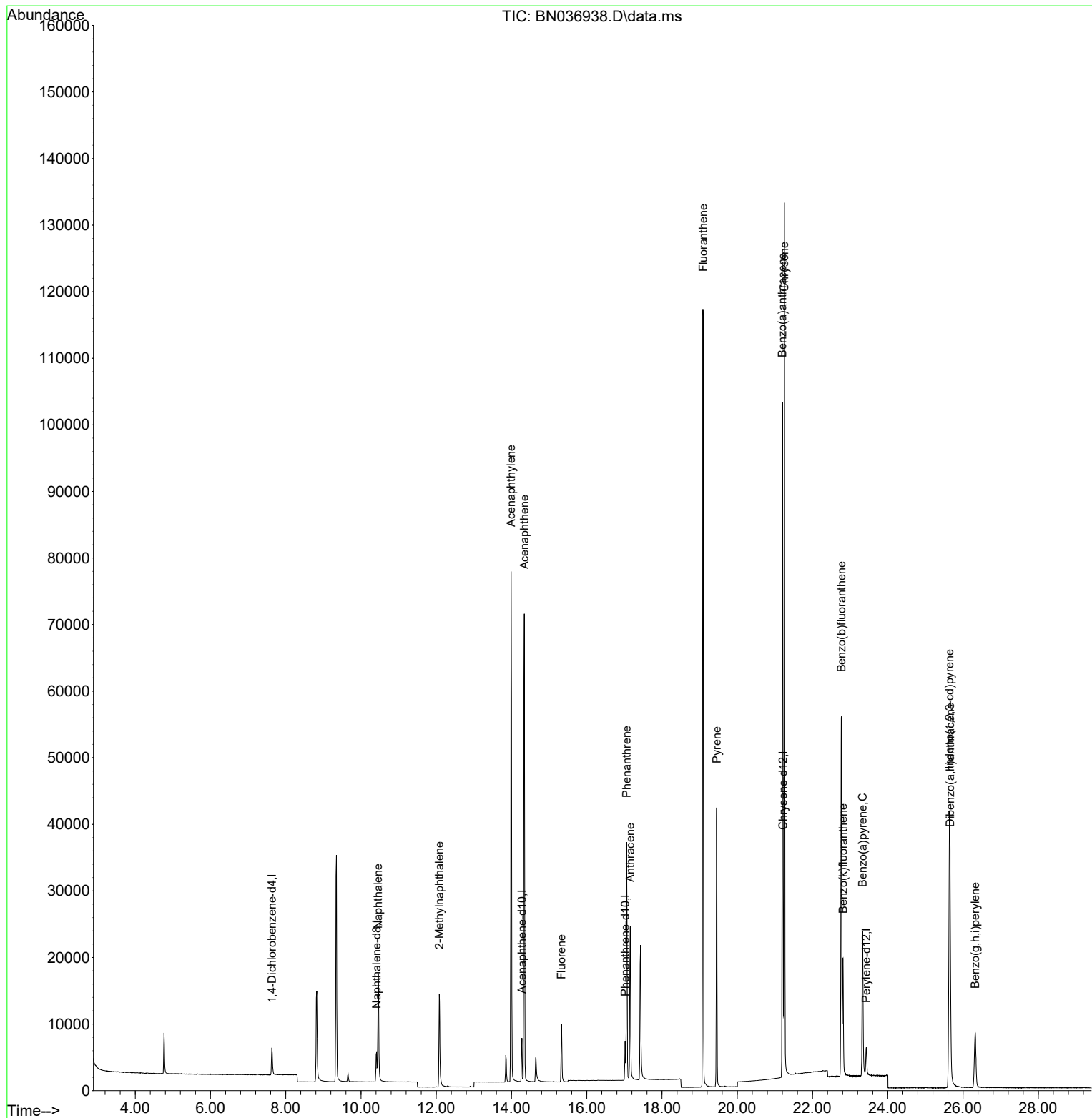
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2432	0.400	ng	0.00
7) Naphthalene-d8	10.415	136	6295	0.400	ng	0.00
13) Acenaphthene-d10	14.277	164	3589	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7137	0.400	ng	0.00
29) Chrysene-d12	21.215	240	6695	0.400	ng	# 0.00
35) Perylene-d12	23.430	264	5501	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	10.458	128	22192	1.211	ng	98
12) 2-Methylnaphthalene	12.082	142	11450	0.967	ng	99
16) Acenaphthylene	13.989	152	79777	4.548	ng	99
17) Acenaphthene	14.341	154	34081	2.957	ng	99
18) Fluorene	15.325	166	6026	0.400	ng	98
25) Phenanthrene	17.058	178	35341	1.500	ng	99
26) Anthracene	17.158	178	26761	1.256	ng	100
28) Fluoranthene	19.091	202	103493	3.920	ng	99
30) Pyrene	19.453	202	36010	1.117	ng	99
32) Benzo(a)anthracene	21.197	228	84662	3.434	ng	97
33) Chrysene	21.251	228	101268	3.808	ng	98
36) Indeno(1,2,3-cd)pyrene	25.640	276	68690	3.058	ng	96
37) Benzo(b)fluoranthene	22.766	252	63619	2.750	ng	# 89
38) Benzo(k)fluoranthene	22.810	252	21335	0.917	ng	# 91
39) Benzo(a)pyrene	23.330	252	31475	1.655	ng	# 85
40) Dibenzo(a,h)anthracene	25.658	278	16267	0.920	ng	93
41) Benzo(g,h,i)perylene	26.324	276	16655	0.849	ng	99

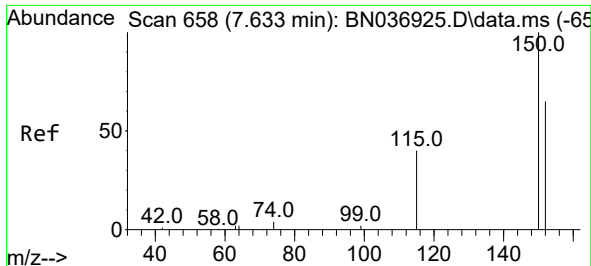
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN036938.D
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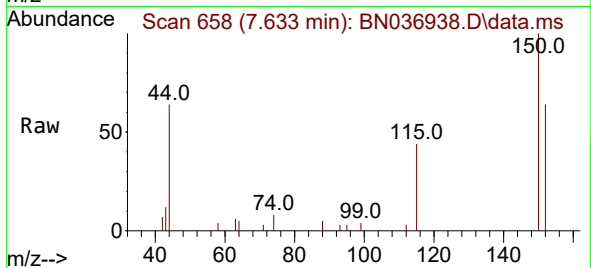
Quant Time: Apr 29 14:40:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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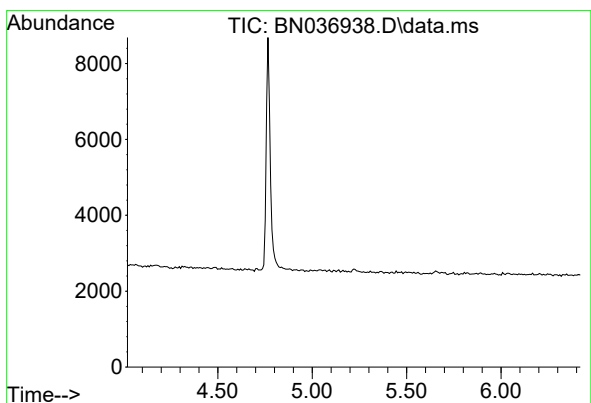
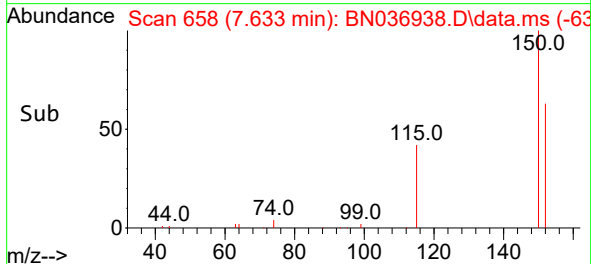
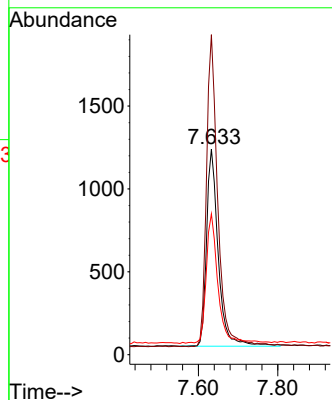


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.633 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2



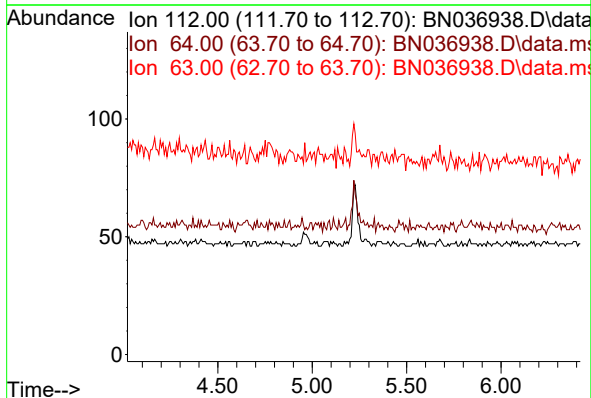
Tgt Ion:152 Resp: 2432
 Ion Ratio Lower Upper
 152 100
 150 155.6 121.1 181.7
 115 68.5 51.8 77.6

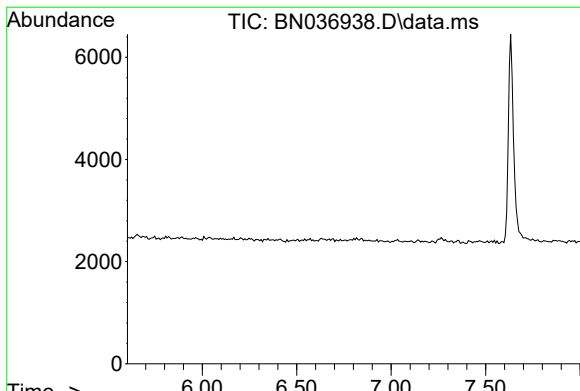


#4
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.22 min

Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

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



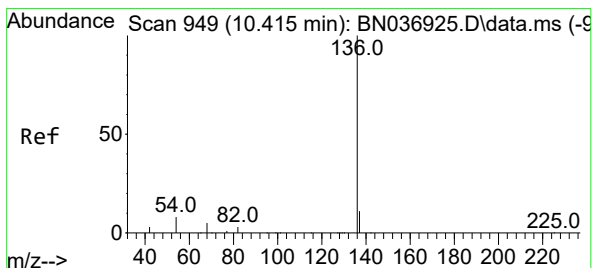
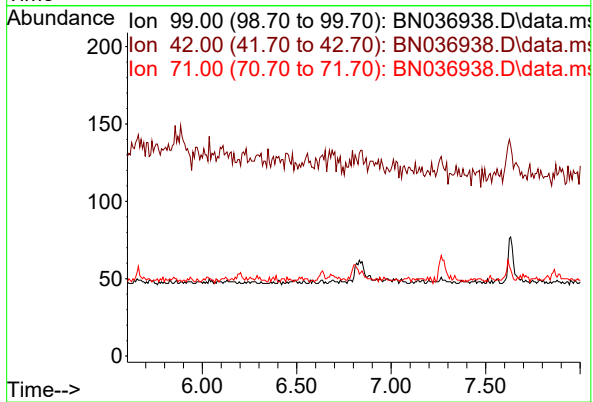


#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.80 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

Tgt Ion: 99

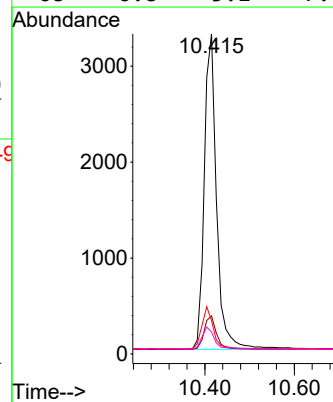
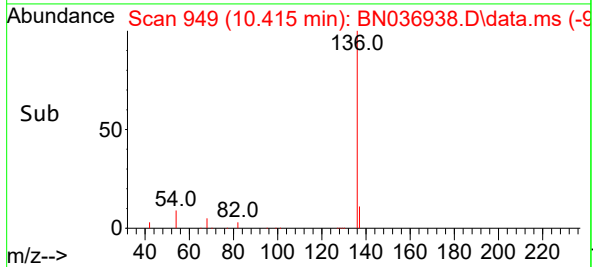
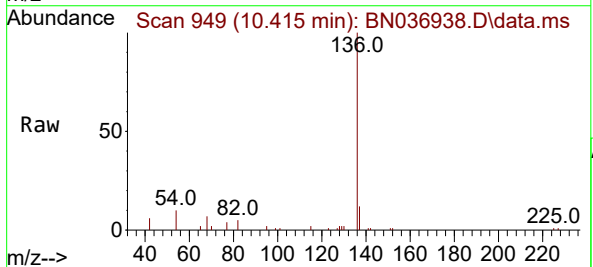
Sig	Exp Ratio
99	100
42	37.0
71	45.0

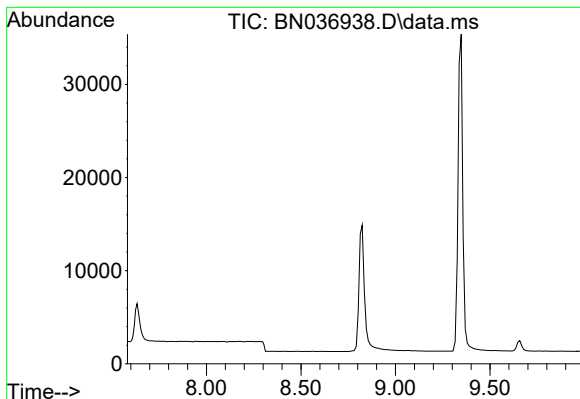


#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.415 min Scan# 949
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Tgt Ion: 136 Resp: 6295

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	10.4	8.0	12.0
68	6.8	5.1	7.7



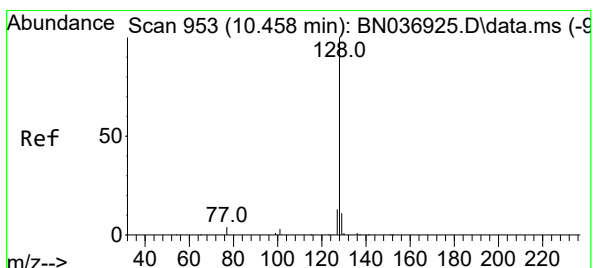
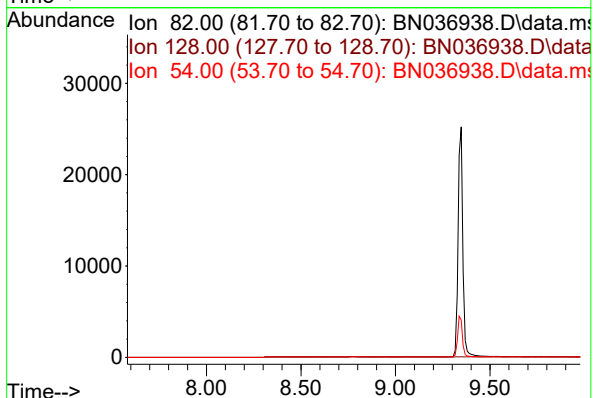


#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.78 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

Tgt Ion: 82

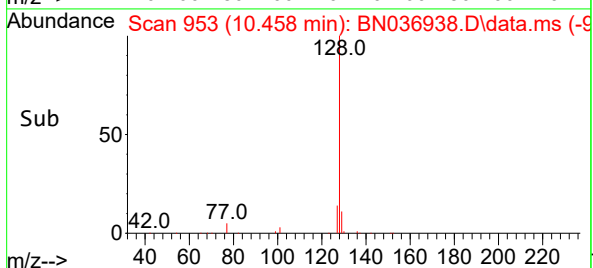
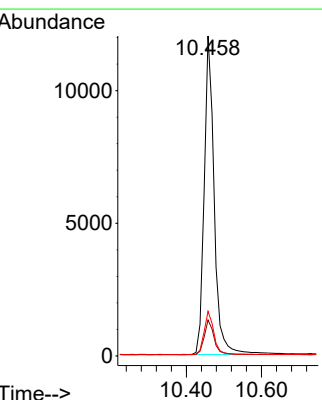
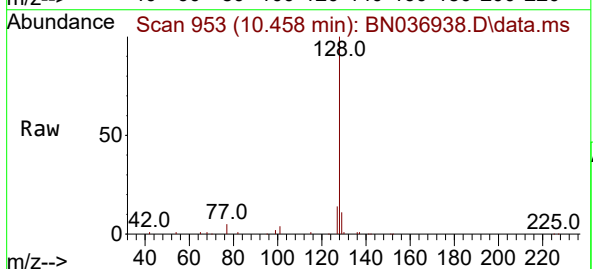
Sig	Exp Ratio
82	100
128	38.4
54	65.1

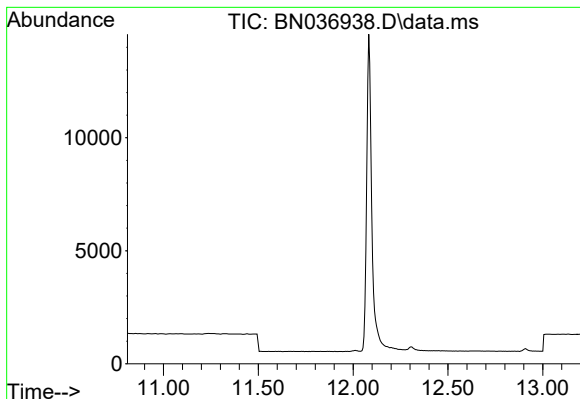


#9
 Naphthalene
 Concen: 1.211 ng
 RT: 10.458 min Scan# 953
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Tgt Ion: 128 Resp: 22192

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.8	14.6
127	13.9	11.4	17.2

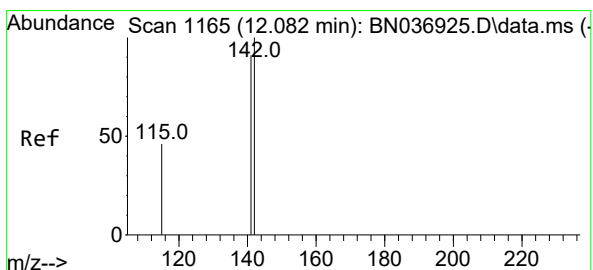
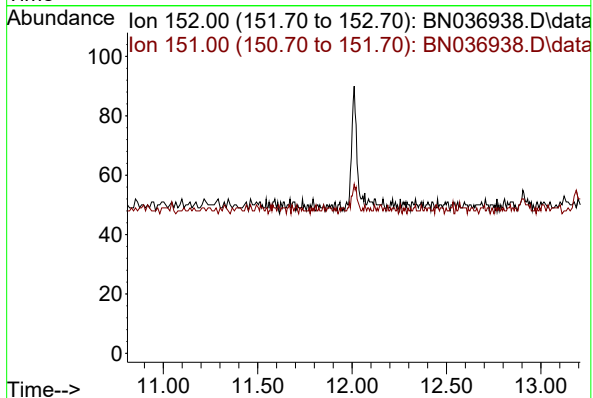




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.01 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

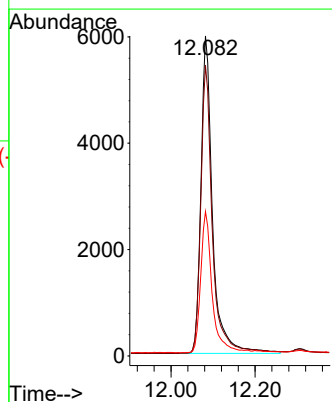
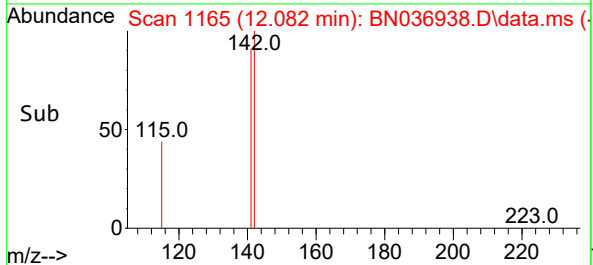
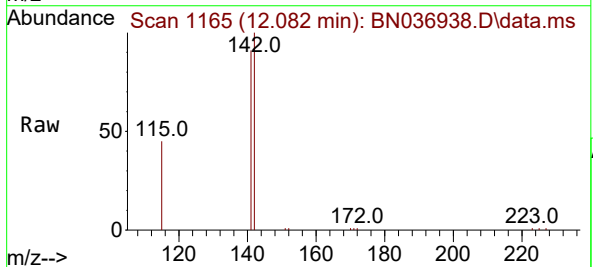
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.1

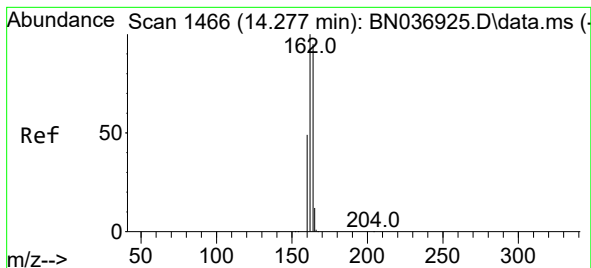


#12
 2-Methylnaphthalene
 Concen: 0.967 ng
 RT: 12.082 min Scan# 1165
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Tgt Ion: 142 Resp: 11450

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.8	109.2
115	45.2	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: BN036938.D

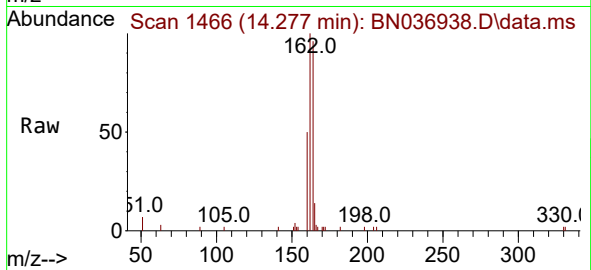
Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2



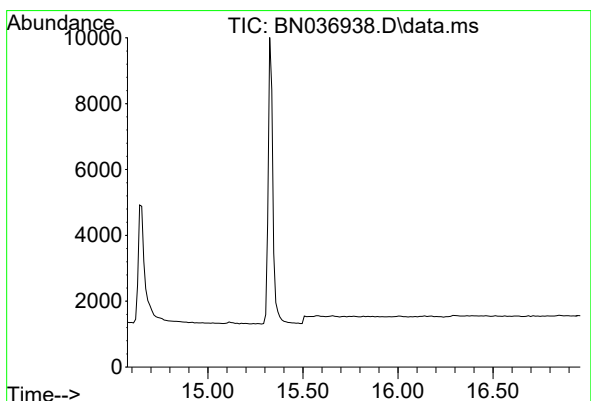
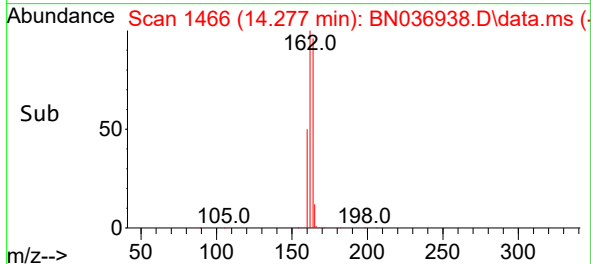
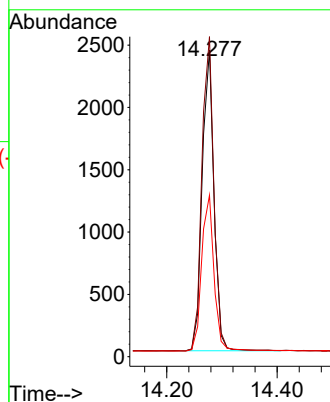
Tgt Ion:164 Resp: 3589

Ion Ratio Lower Upper

164 100

162 104.3 83.8 125.8

160 52.6 42.0 63.0



#14

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 15.77 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

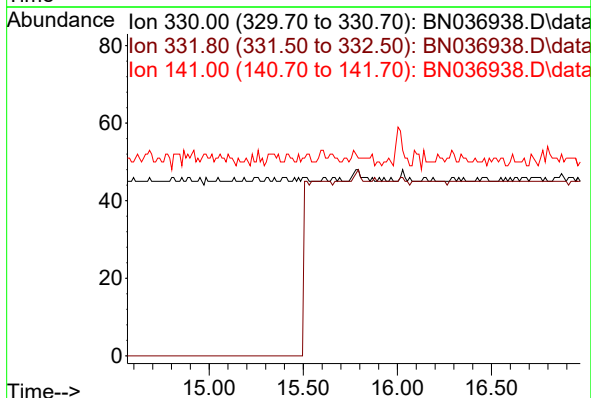
Tgt Ion: 330

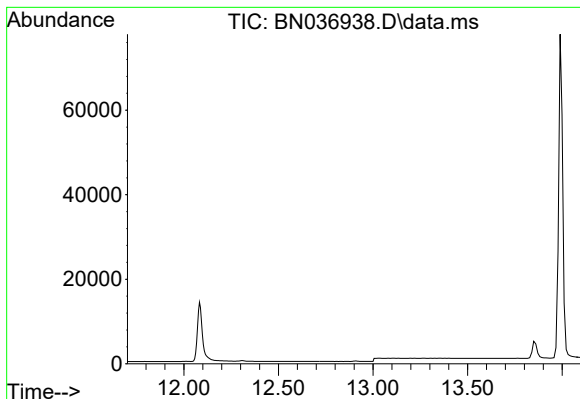
Sig Exp Ratio

330 100

332 95.4

141 56.8

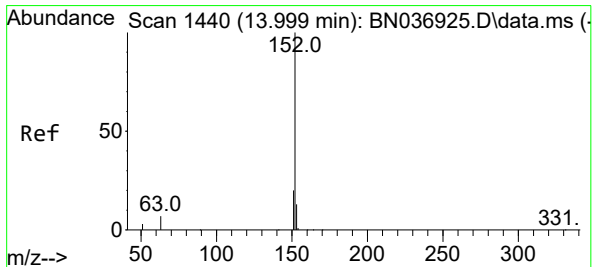
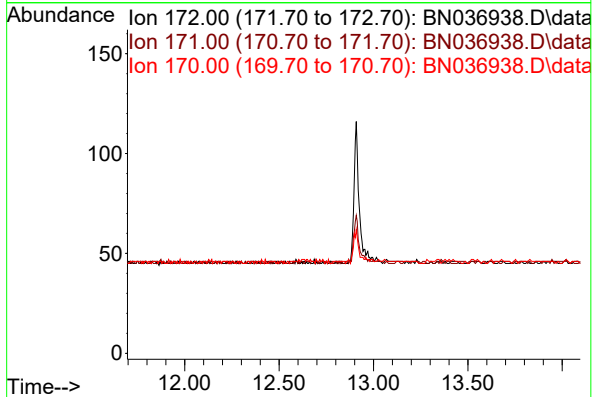




#15
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 12.90 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

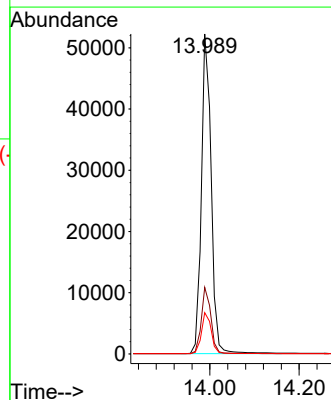
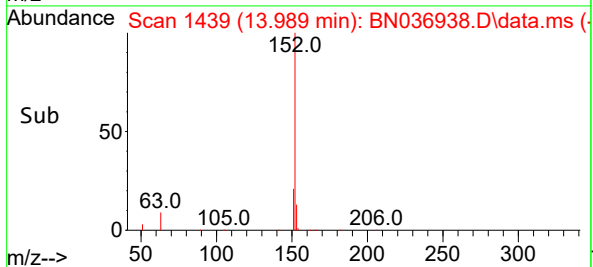
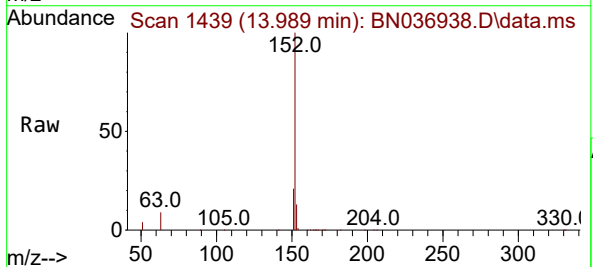
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

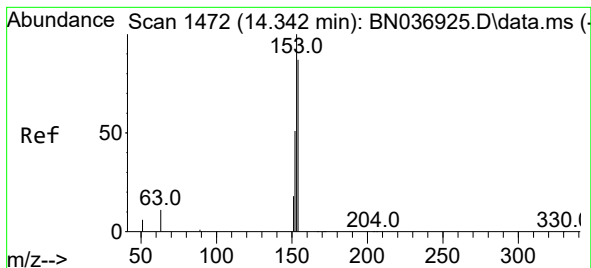
Tgt Ion: 172
Sig Exp Ratio
172 100
171 36.7
170 24.2



#16
Acenaphthylene
Concen: 4.548 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 152 Resp: 79777
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.0 10.2 15.2





#17

Acenaphthene

Concen: 2.957 ng

RT: 14.341 min Scan# 1472

Delta R.T. -0.000 min

Lab File: BN036938.D

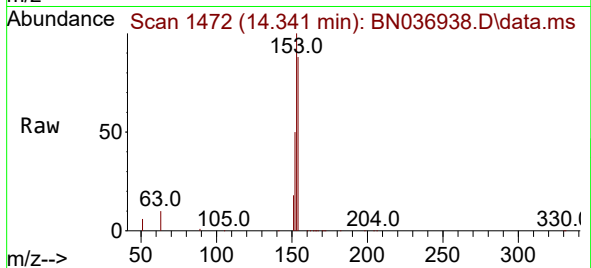
Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2



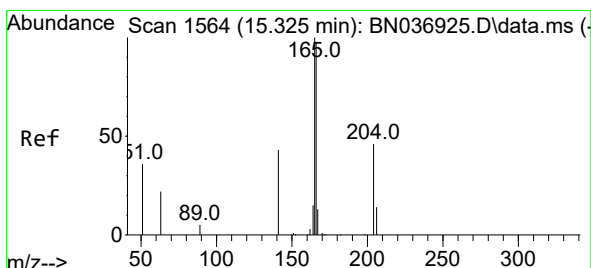
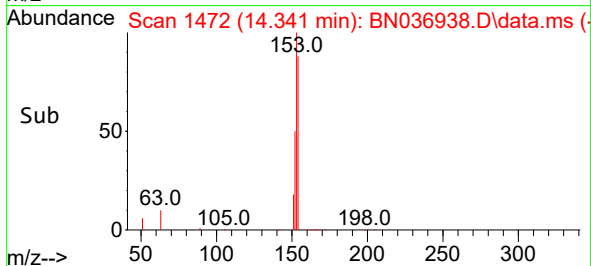
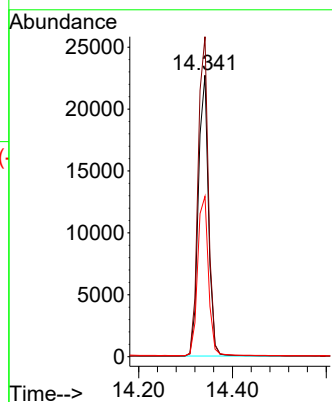
Tgt Ion:154 Resp: 34081

Ion Ratio Lower Upper

154 100

153 116.2 93.4 140.2

152 60.5 49.5 74.3



#18

Fluorene

Concen: 0.400 ng

RT: 15.325 min Scan# 1564

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

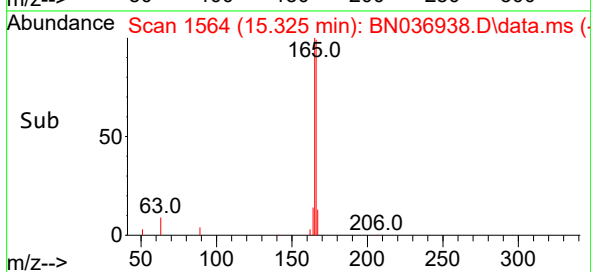
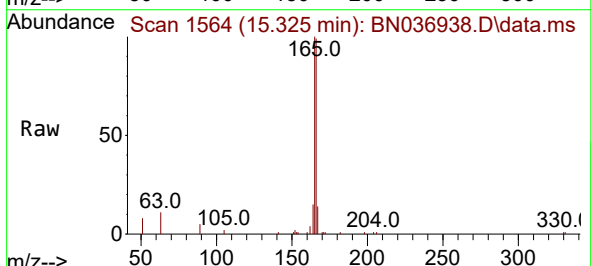
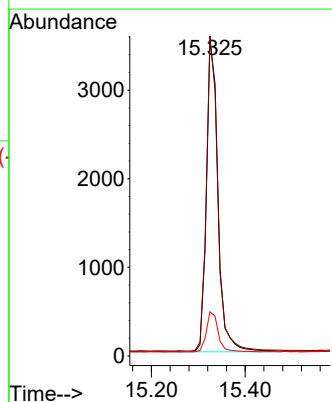
Tgt Ion:166 Resp: 6026

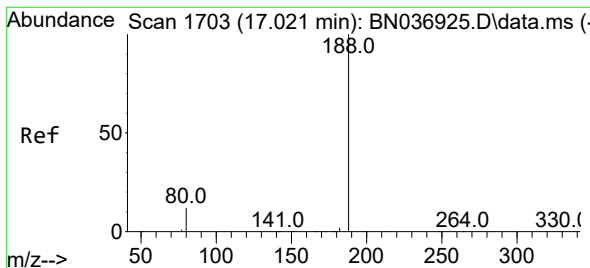
Ion Ratio Lower Upper

166 100

165 99.4 80.8 121.2

167 13.1 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: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

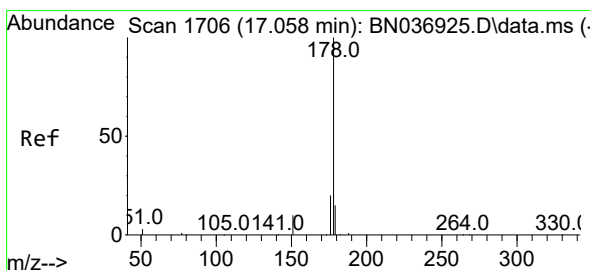
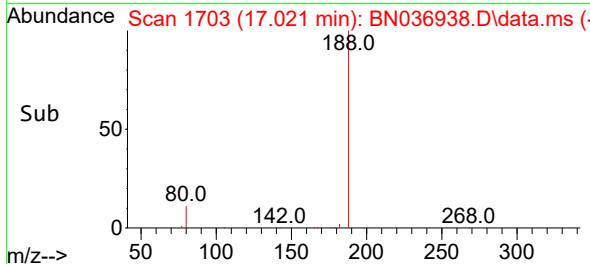
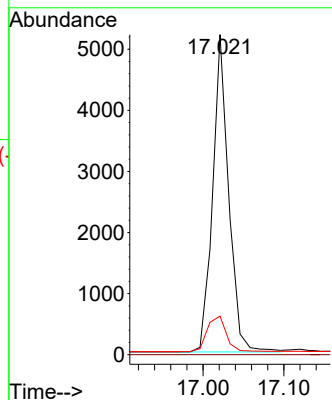
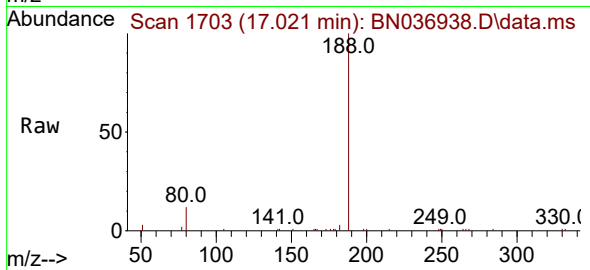
Tgt Ion:188 Resp: 7137

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.0 10.7 16.1



#25

Phenanthrene

Concen: 1.500 ng

RT: 17.058 min Scan# 1706

Delta R.T. -0.000 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

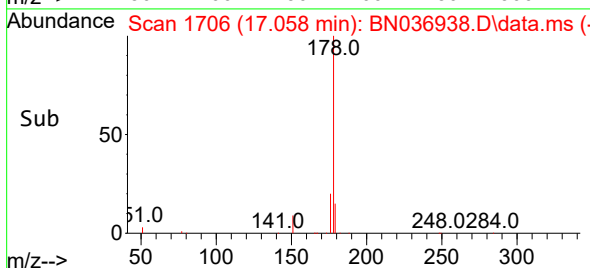
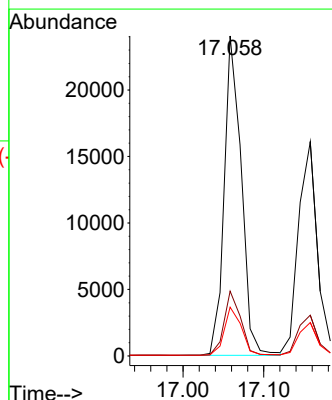
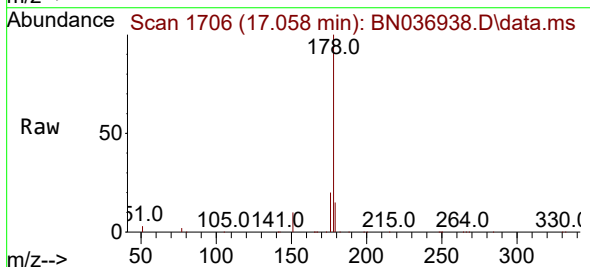
Tgt Ion:178 Resp: 35341

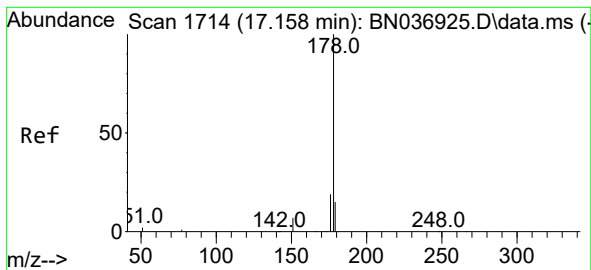
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.1 12.4 18.6

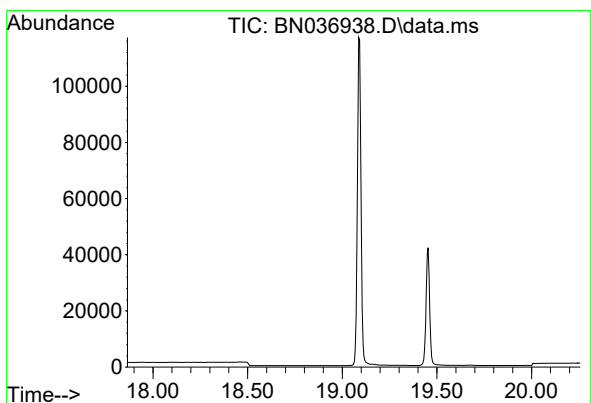
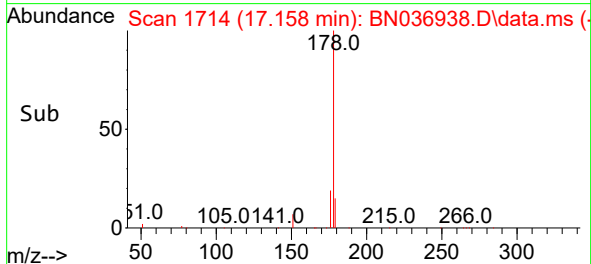
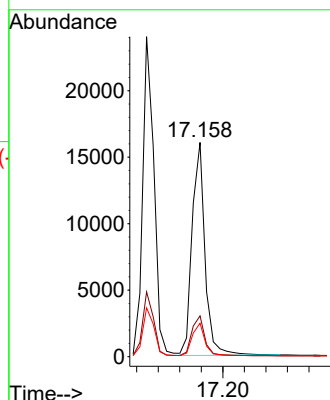
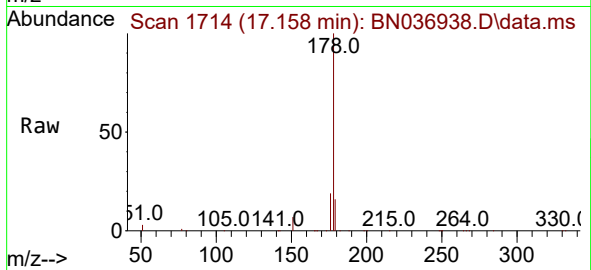




#26
 Anthracene
 Concen: 1.256 ng
 RT: 17.158 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2

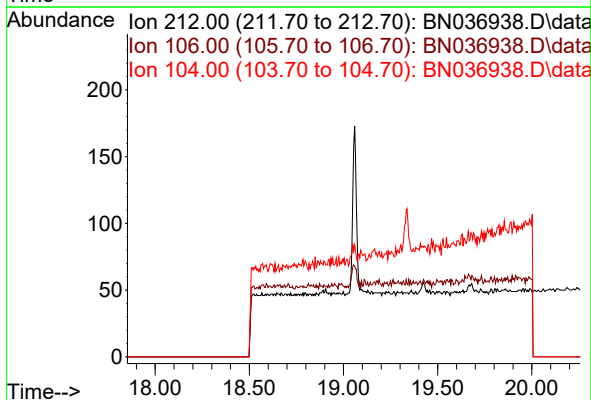
Tgt Ion:178 Resp: 26761
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.3 12.1 18.1

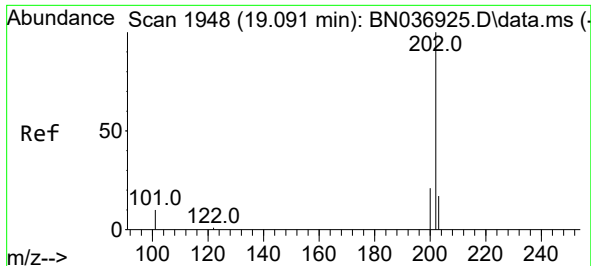


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.06 min

Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

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

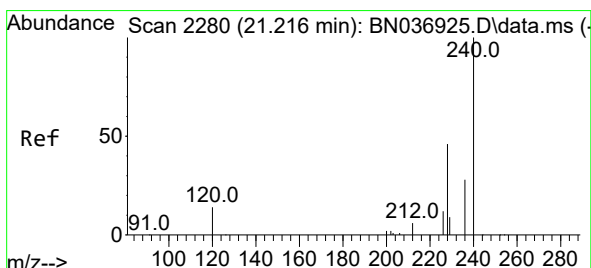
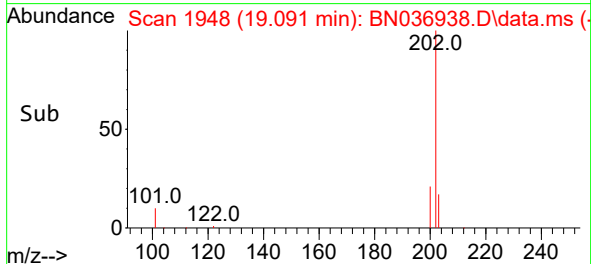
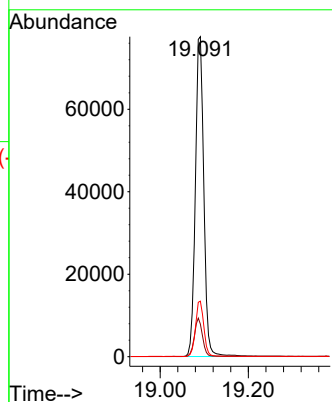
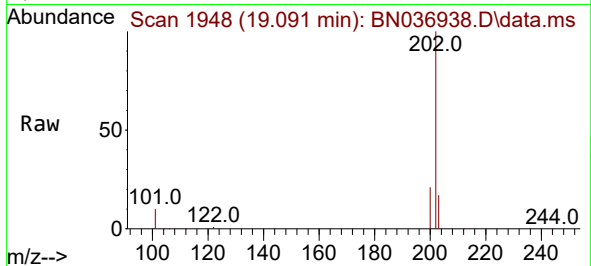




#28
Fluoranthene
Concen: 3.920 ng
RT: 19.091 min Scan# 1948
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

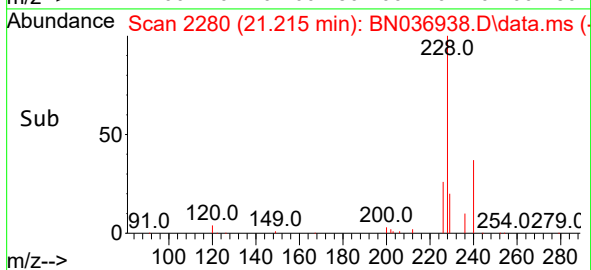
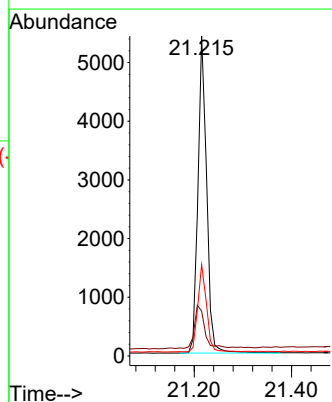
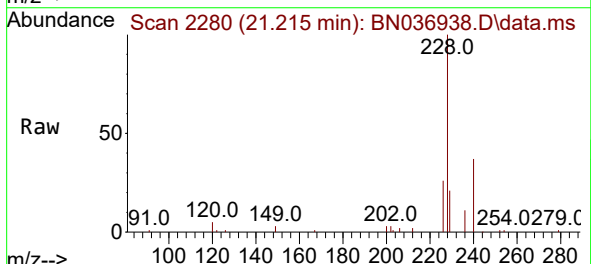
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

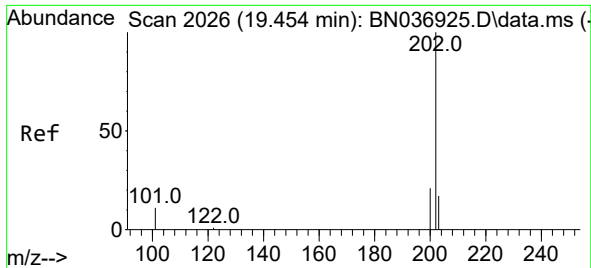
Tgt Ion:202 Resp: 103493
Ion Ratio Lower Upper
202 100
101 11.4 8.5 12.7
203 17.2 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:240 Resp: 6695
Ion Ratio Lower Upper
240 100
120 14.0 14.1 21.1#
236 28.5 23.8 35.8

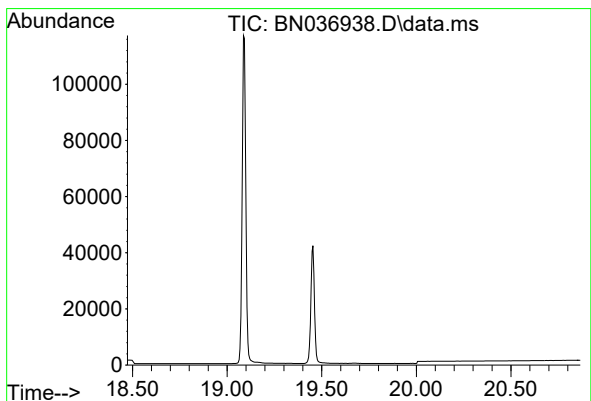
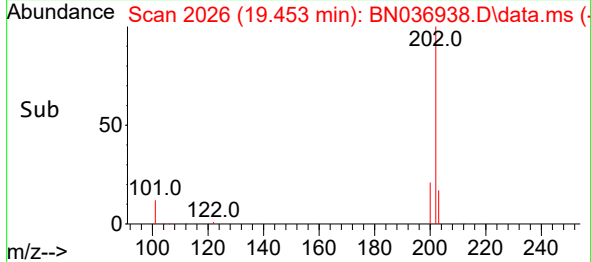
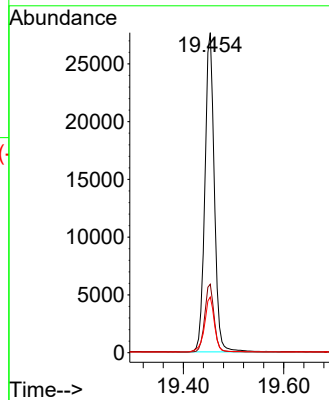
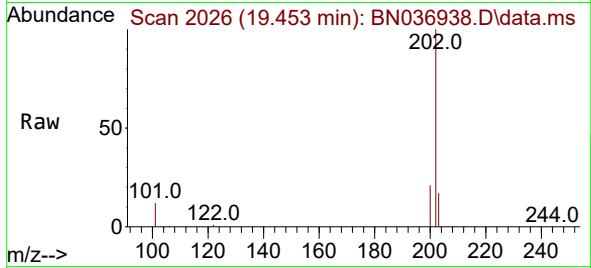




#30
Pyrene
Concen: 1.117 ng
RT: 19.453 min Scan# 20
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

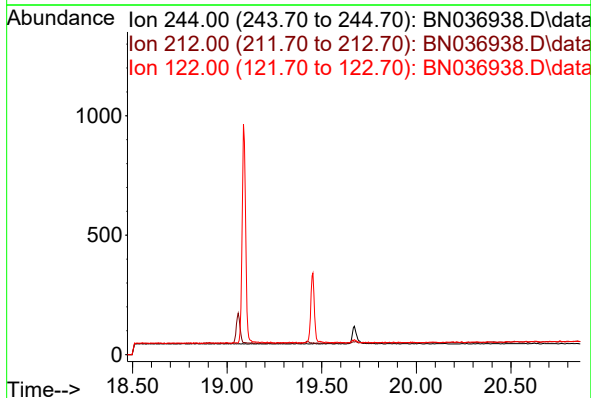
Tgt Ion:202 Resp: 36010
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 18.2 14.0 21.0

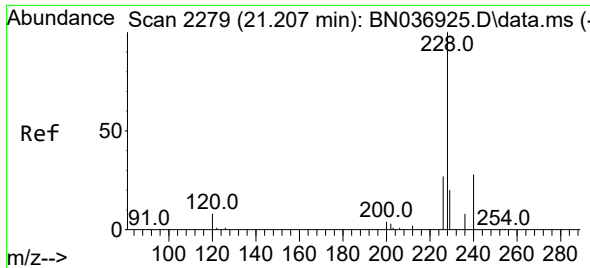


#31
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.67 min

Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion: 244
Sig Exp Ratio
244 100
212 12.0
122 15.9

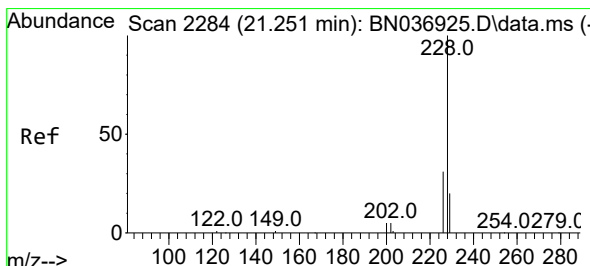
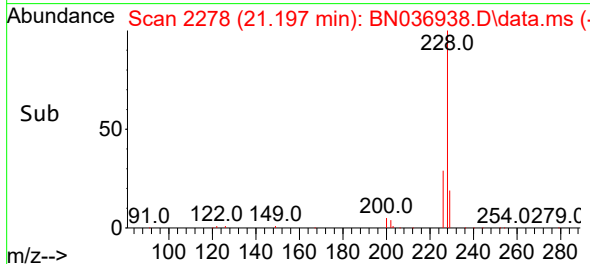
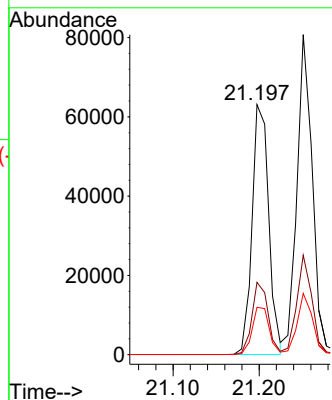
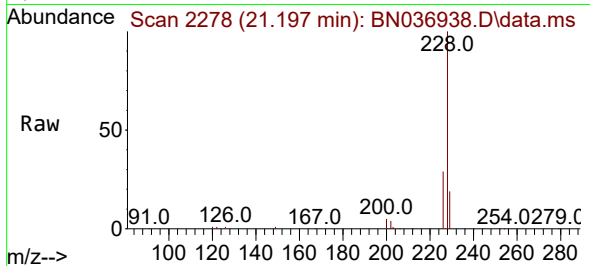




#32
Benzo(a)anthracene
Concen: 3.434 ng
RT: 21.197 min Scan# 21197
Delta R.T. -0.009 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

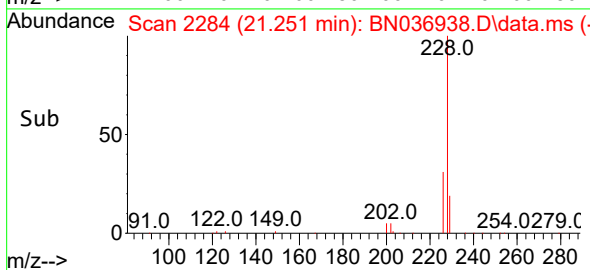
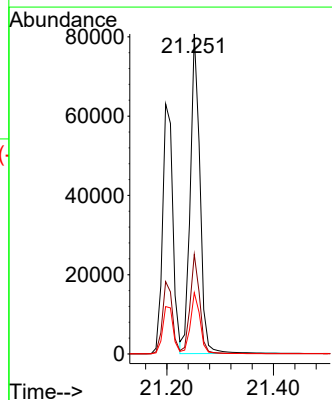
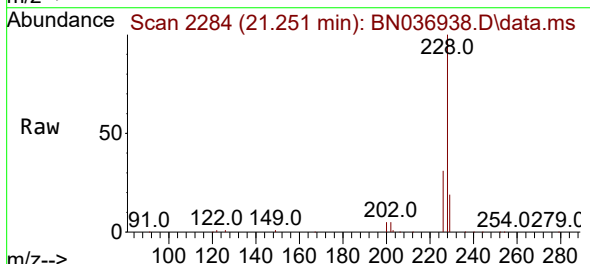
Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

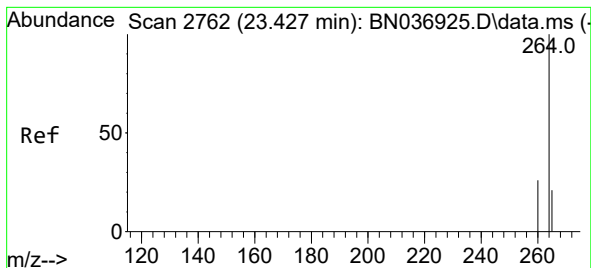
Tgt Ion:228 Resp: 84662
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.4
229 18.9 16.4 24.6



#33
Chrysene
Concen: 3.808 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Tgt Ion:228 Resp: 101268
Ion Ratio Lower Upper
228 100
226 31.1 25.5 38.3
229 19.2 16.5 24.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.430 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

Instrument :

BNA_N

ClientSampleId :

38072-010925DL2

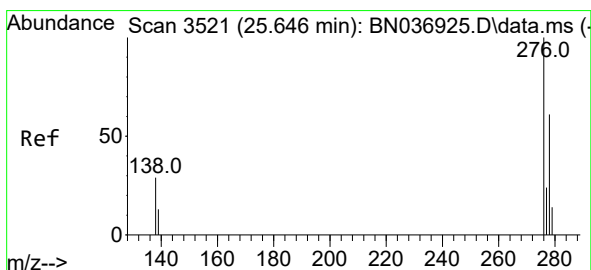
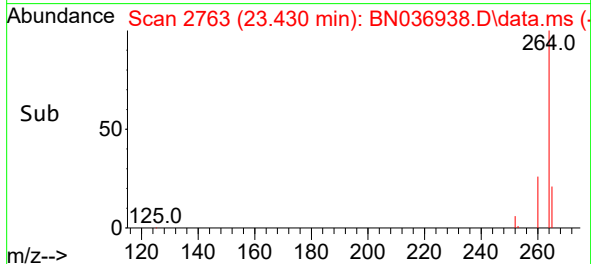
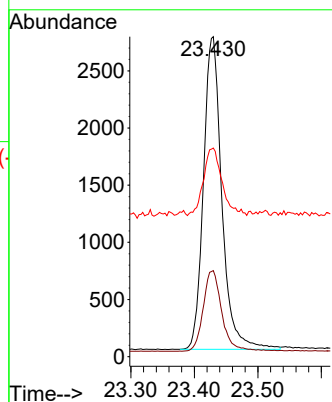
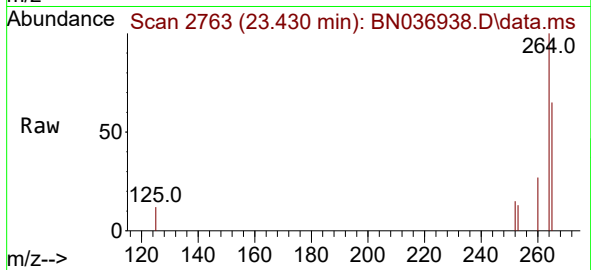
Tgt Ion:264 Resp: 5501

Ion Ratio Lower Upper

264 100

260 26.9 22.2 33.2

265 65.2 65.8 98.6#



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.058 ng

RT: 25.640 min Scan# 3519

Delta R.T. -0.006 min

Lab File: BN036938.D

Acq: 29 Apr 2025 14:17

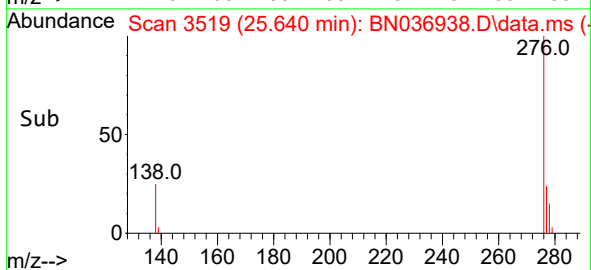
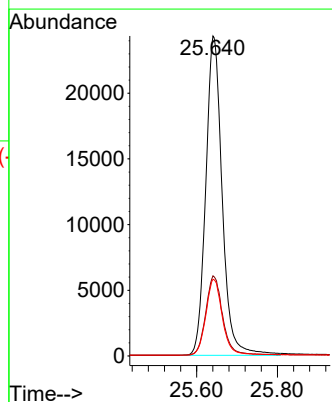
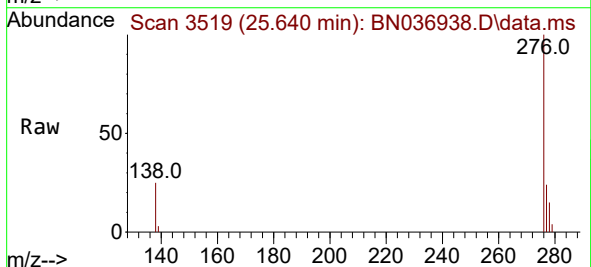
Tgt Ion:276 Resp: 68690

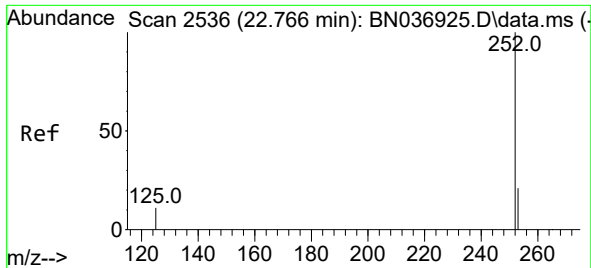
Ion Ratio Lower Upper

276 100

138 25.6 23.0 34.6

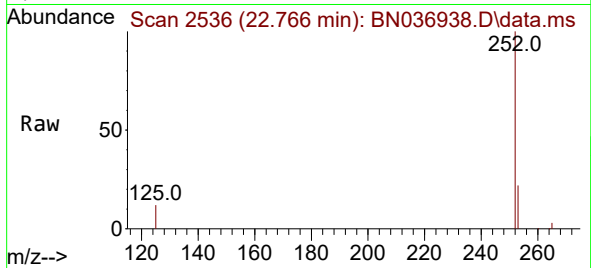
277 24.0 20.0 30.0



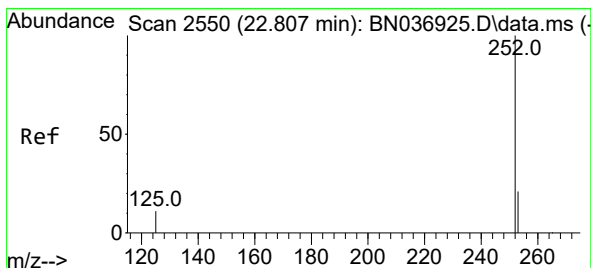
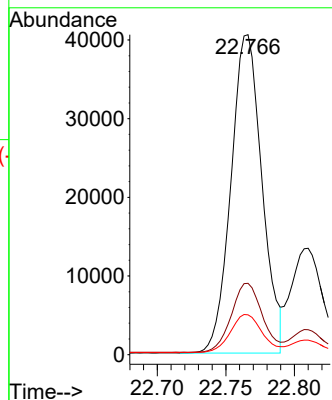


#37
Benzo(b)fluoranthene
Concen: 2.750 ng
RT: 22.766 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

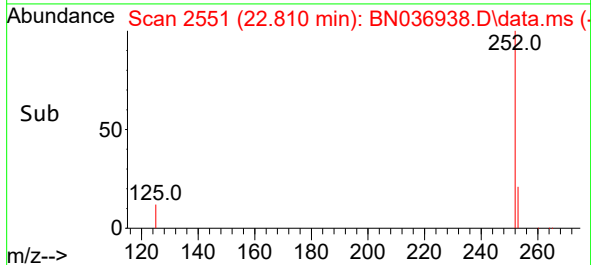
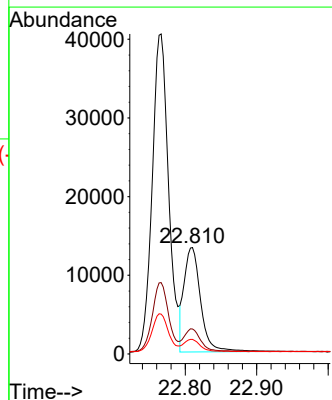
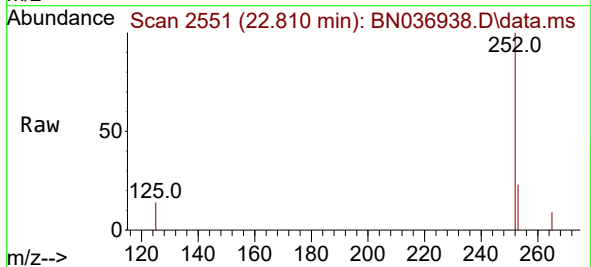


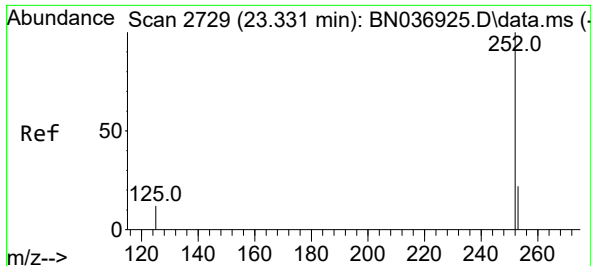
Tgt Ion:252 Resp: 63619
Ion Ratio Lower Upper
252 100
253 22.3 22.1 33.1
125 12.5 14.2 21.2#



#38
Benzo(k)fluoranthene
Concen: 0.917 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.003 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

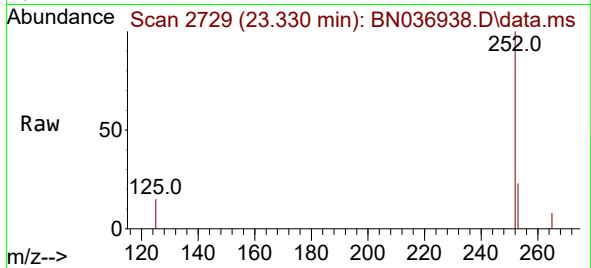
Tgt Ion:252 Resp: 21335
Ion Ratio Lower Upper
252 100
253 23.4 22.8 34.2
125 13.7 14.2 21.2#



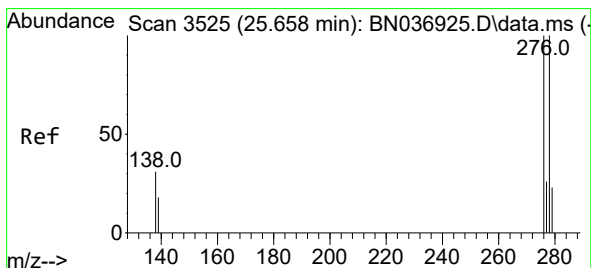
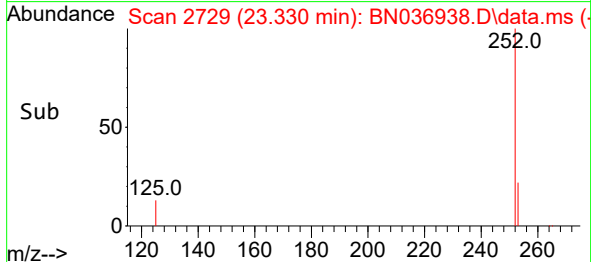
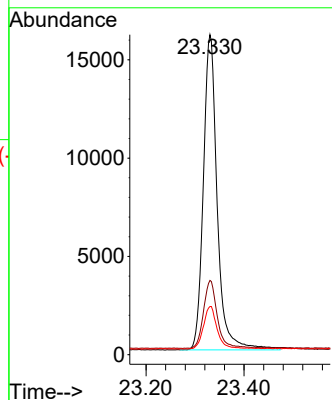


#39
Benzo(a)pyrene
Concen: 1.655 ng
RT: 23.330 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

Instrument :
BNA_N
ClientSampleId :
38072-010925DL2

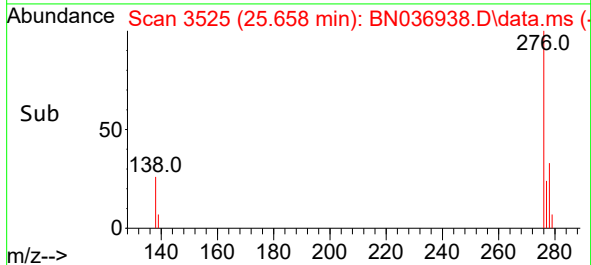
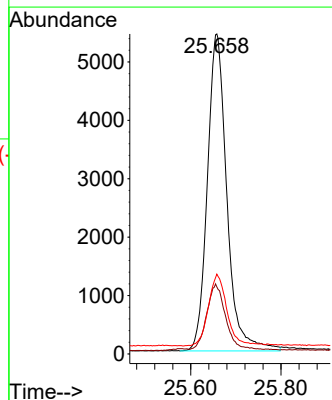
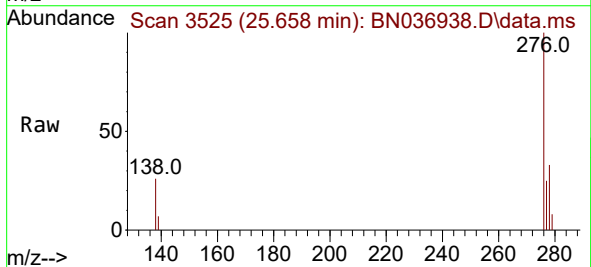


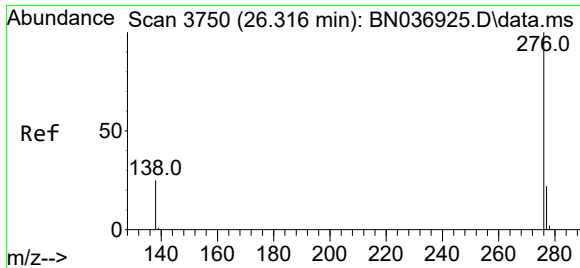
Tgt Ion:252 Resp: 31475
Ion Ratio Lower Upper
252 100
253 23.2 25.9 38.9#
125 15.1 17.4 26.0#



#40
Dibenzo(a,h)anthracene
Concen: 0.920 ng
RT: 25.658 min Scan# 3525
Delta R.T. -0.000 min
Lab File: BN036938.D
Acq: 29 Apr 2025 14:17

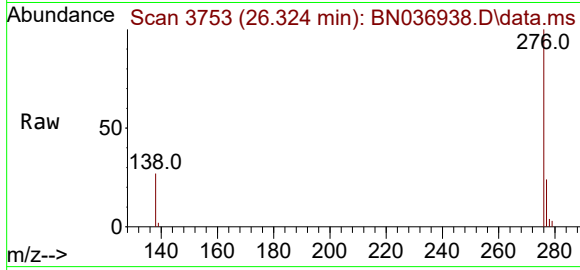
Tgt Ion:278 Resp: 16267
Ion Ratio Lower Upper
278 100
139 21.0 17.4 26.2
279 25.0 24.9 37.3





#41
 Benzo(g,h,i)perylene
 Concen: 0.849 ng
 RT: 26.324 min Scan# 31
 Delta R.T. 0.009 min
 Lab File: BN036938.D
 Acq: 29 Apr 2025 14:17

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL2



Tgt Ion:	276	Resp:	16655
Ion	Ratio	Lower	Upper
276	100		
277	24.5	20.2	30.2
138	26.9	21.9	32.9

