

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN042925\
 Data File : BN036937.D
 Acq On : 29 Apr 2025 13:41
 Operator : RC/JU
 Sample : Q1870-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL

Quant Time: Apr 29 14:14:18 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

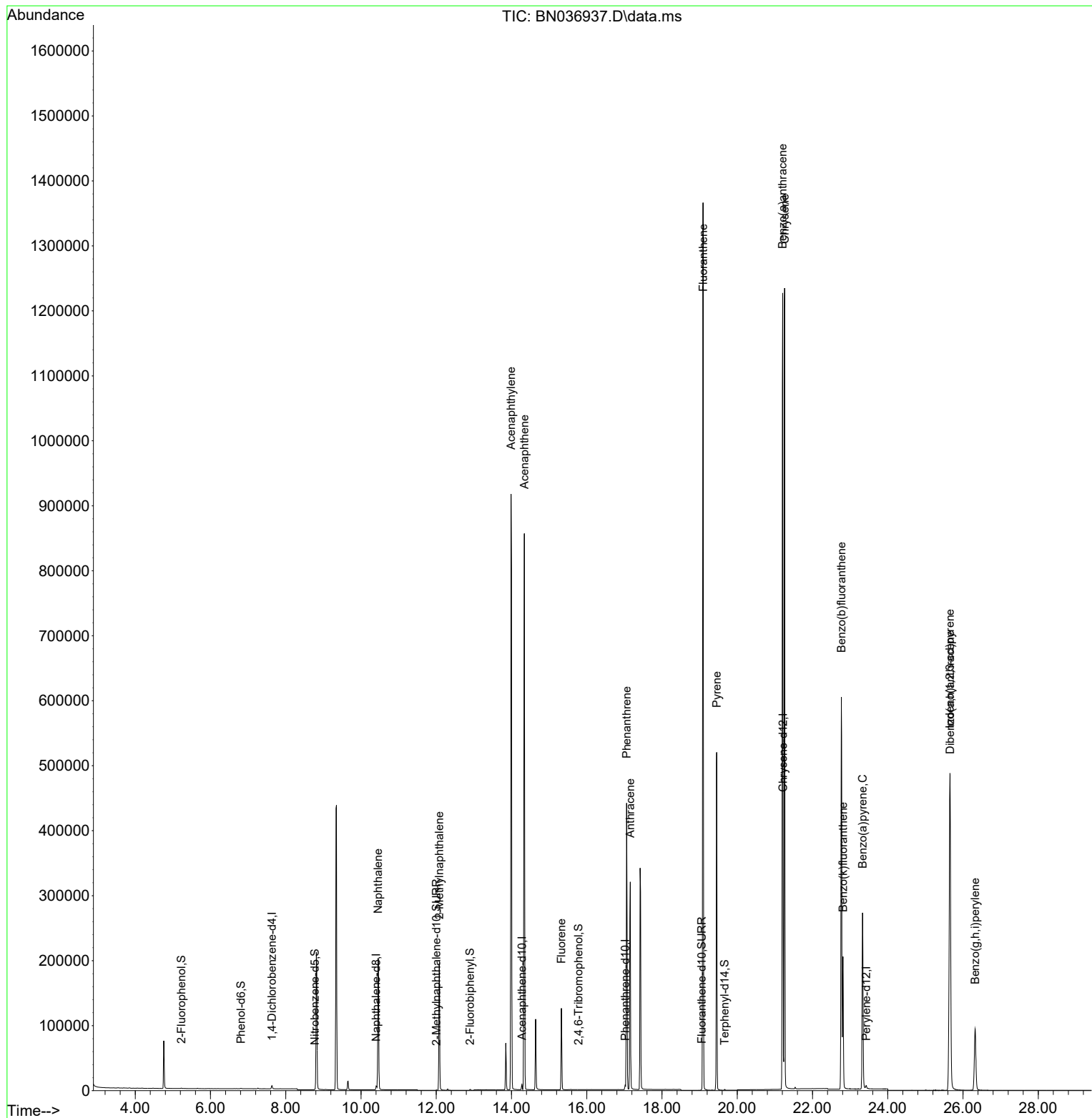
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.633	152	2660	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	7273	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	4170	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	7996	0.400	ng	0.00
29) Chrysene-d12	21.216	240	7787	0.400	ng	0.00
35) Perylene-d12	23.427	264	5957	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.228	112	484	0.071	ng	0.00
5) Phenol-d6	6.809	99	596	0.071	ng	0.00
8) Nitrobenzene-d5	8.771	82	638	0.084	ng	-0.01
11) 2-Methylnaphthalene-d10	12.006	152	840	0.083	ng	0.00
14) 2,4,6-Tribromophenol	15.780	330	80	0.043	ng	0.01
15) 2-Fluorobiphenyl	12.899	172	1634	0.081	ng	0.00
27) Fluoranthene-d10	19.059	212	1819	0.088	ng	0.00
31) Terphenyl-d14	19.667	244	1294	0.070	ng	0.00
Target Compounds						
9) Naphthalene	10.458	128	245146	11.581	ng	97
12) 2-Methylnaphthalene	12.082	142	135057	9.870	ng	97
16) Acenaphthylene	13.989	152	983461	48.255	ng	99
17) Acenaphthene	14.342	154	392189	29.289	ng	97
18) Fluorene	15.325	166	71886	4.105	ng	99
25) Phenanthrene	17.058	178	419564	15.898	ng	100
26) Anthracene	17.158	178	344832	14.445	ng	100
28) Fluoranthene	19.091	202	1164278	39.363	ng	99
30) Pyrene	19.454	202	435369	11.609	ng	99
32) Benzo(a)anthracene	21.207	228	1030872	35.945	ng	99
33) Chrysene	21.260	228	1043139	33.727	ng	97
36) Indeno(1,2,3-cd)pyrene	25.652	276	739011	30.377	ng	97
37) Benzo(b)fluoranthene	22.766	252	710014	28.346	ng	# 88
38) Benzo(k)fluoranthene	22.810	252	229443	9.109	ng	# 87
39) Benzo(a)pyrene	23.331	252	364004	17.678	ng	# 81
40) Dibenzo(a,h)anthracene	25.661	278	178329	9.314	ng	# 90
41) Benzo(g,h,i)perylene	26.322	276	179719	8.458	ng	98

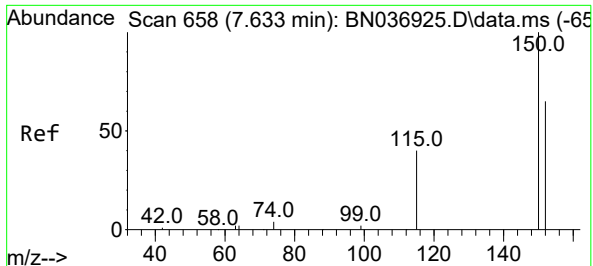
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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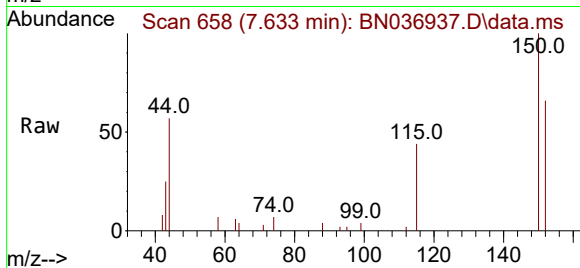
Quant Time: Apr 29 14:14:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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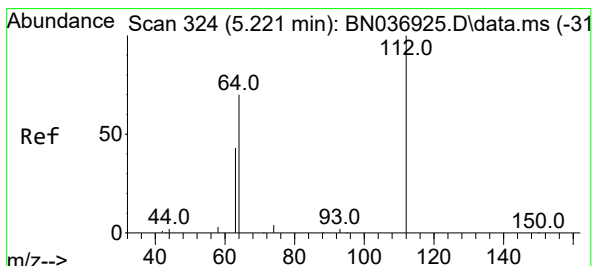
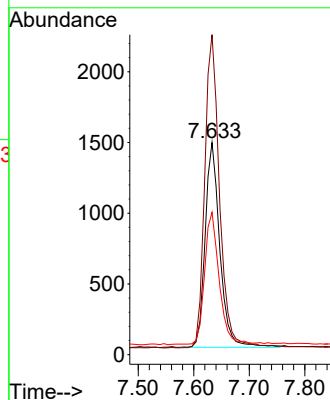
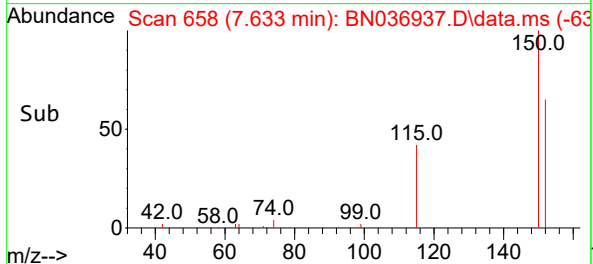


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.633 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

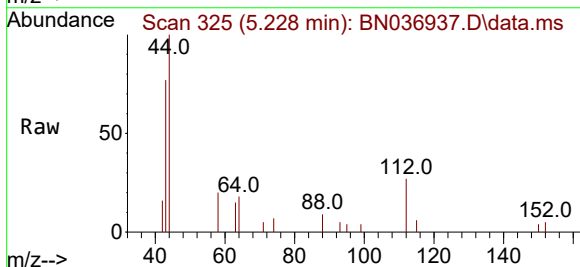
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BNA_N
ClientSampleId :
38072-010925DL



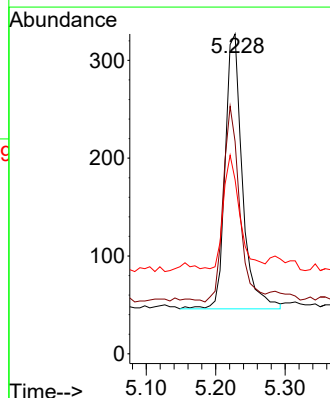
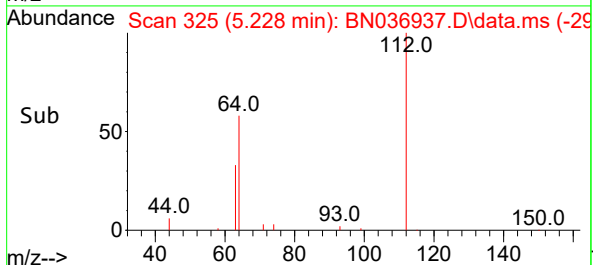
Tgt Ion:152 Resp: 2660
Ion Ratio Lower Upper
152 100
150 150.8 121.1 181.7
115 67.1 51.8 77.6

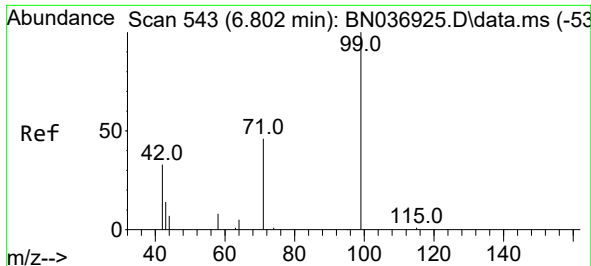


#4
2-Fluorophenol
Concen: 0.071 ng
RT: 5.228 min Scan# 325
Delta R.T. 0.007 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41



Tgt Ion:112 Resp: 484
Ion Ratio Lower Upper
112 100
64 68.4 55.7 83.5
63 42.4 33.9 50.9

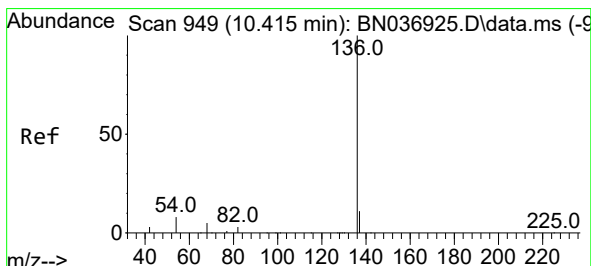
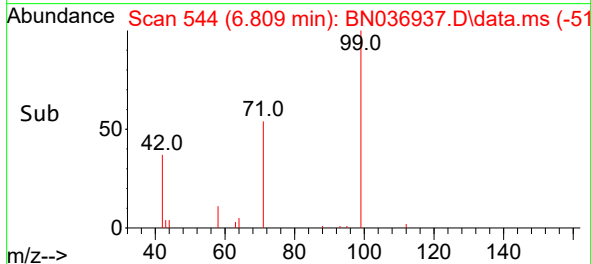
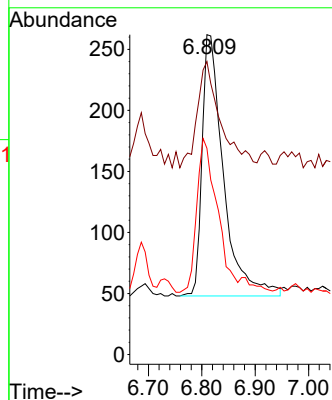
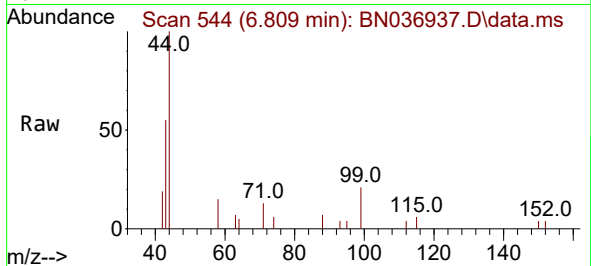




#5
Phenol-d6
Concen: 0.071 ng
RT: 6.809 min Scan# 543
Delta R.T. 0.007 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

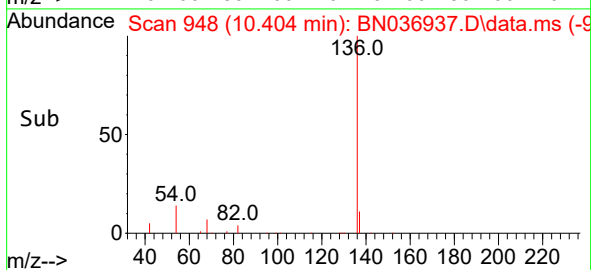
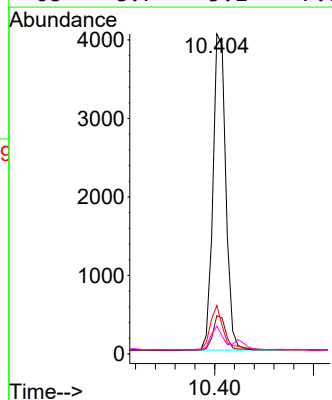
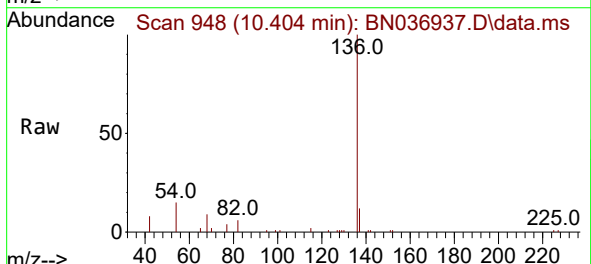
Instrument :
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ClientSampleId :
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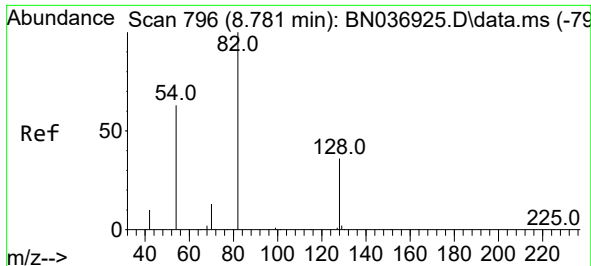
Tgt Ion: 99 Resp: 596
Ion Ratio Lower Upper
99 100
42 44.6 29.6 44.4#
71 56.0 36.0 54.0#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion: 136 Resp: 7273
Ion Ratio Lower Upper
136 100
137 11.9 9.7 14.5
54 15.1 8.0 12.0#
68 8.7 5.1 7.7#

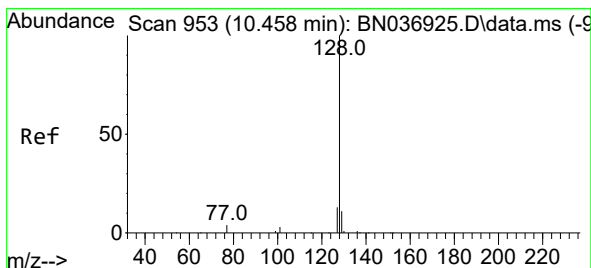
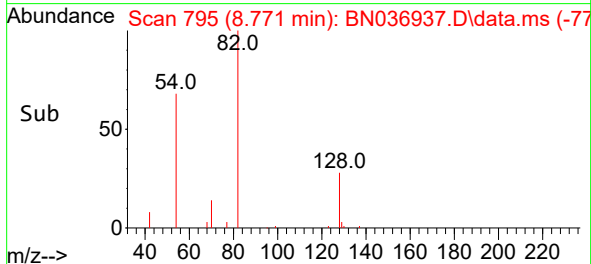
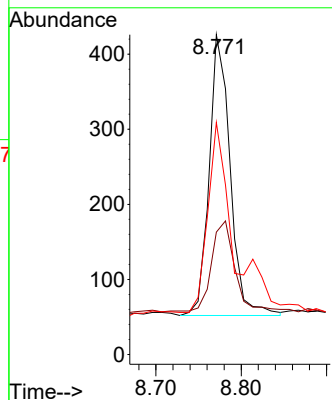
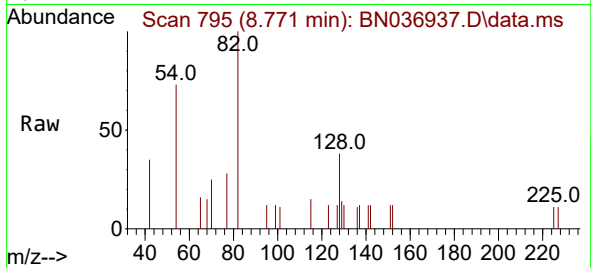




#8
Nitrobenzene-d5
Concen: 0.084 ng
RT: 8.771 min Scan# 796
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

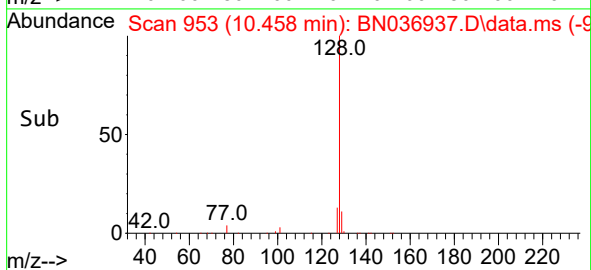
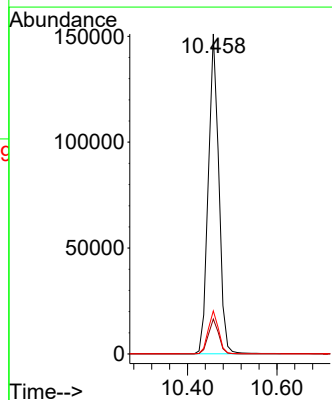
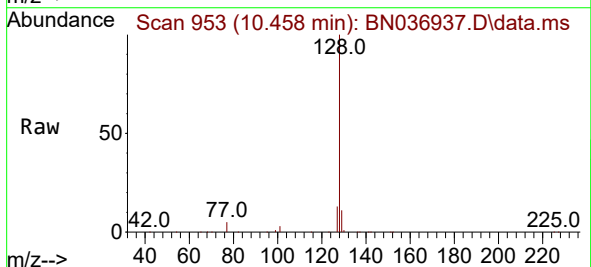
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

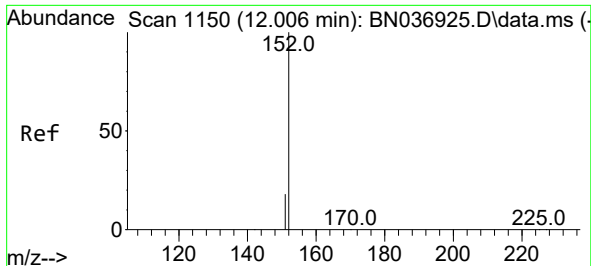
Tgt Ion: 82 Resp: 638
Ion Ratio Lower Upper
82 100
128 38.3 30.7 46.1
54 72.5 52.1 78.1



#9
Naphthalene
Concen: 11.581 ng
RT: 10.458 min Scan# 953
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion: 128 Resp: 245146
Ion Ratio Lower Upper
128 100
129 10.9 9.8 14.6
127 13.5 11.4 17.2

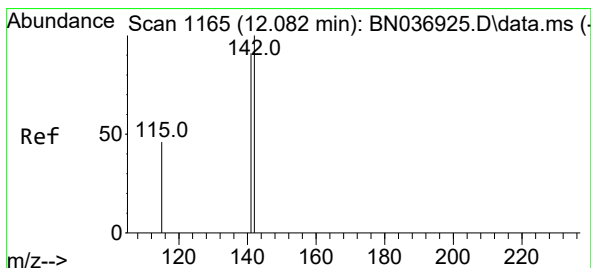
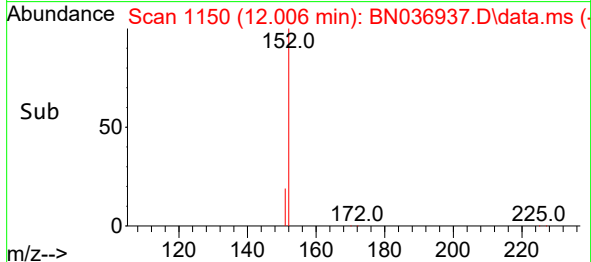
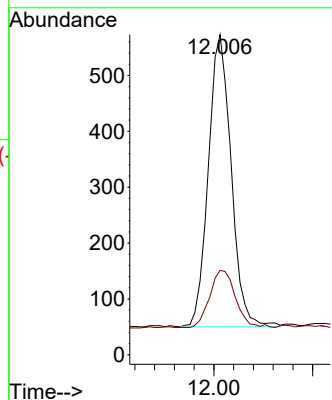
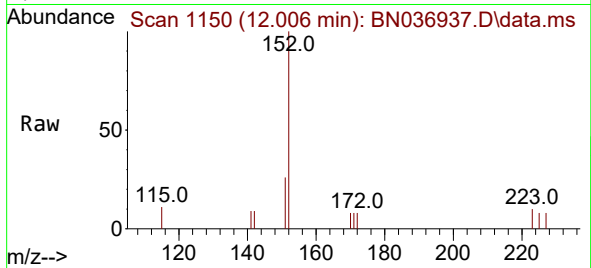




#11
2-Methylnaphthalene-d10
Concen: 0.083 ng
RT: 12.006 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

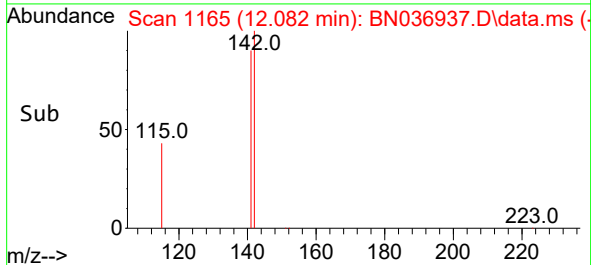
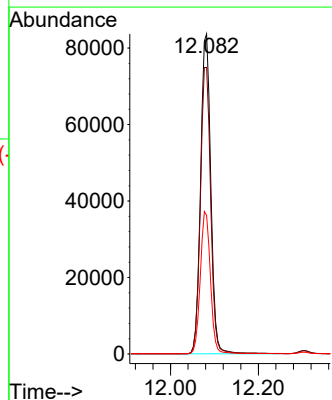
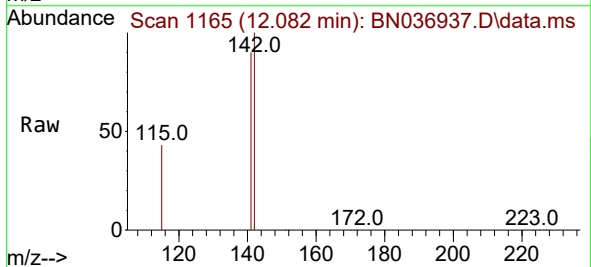
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BNA_N
ClientSampleId :
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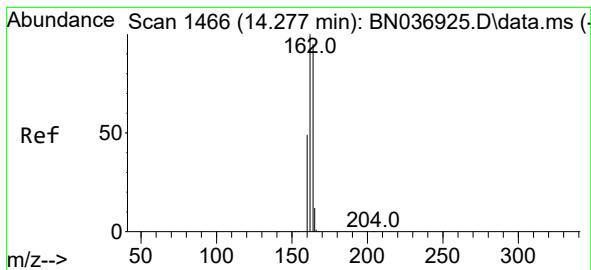
Tgt Ion:152 Resp: 840
Ion Ratio Lower Upper
152 100
151 21.9 16.9 25.3



#12
2-Methylnaphthalene
Concen: 9.870 ng
RT: 12.082 min Scan# 1165
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:142 Resp: 135057
Ion Ratio Lower Upper
142 100
141 89.5 72.8 109.2
115 43.3 38.2 57.4

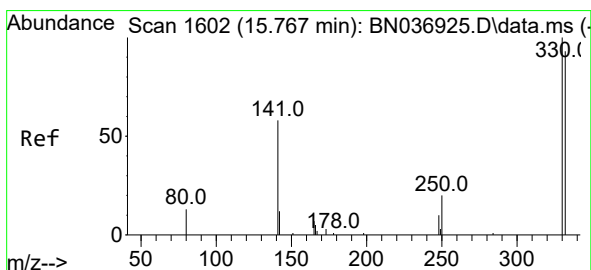
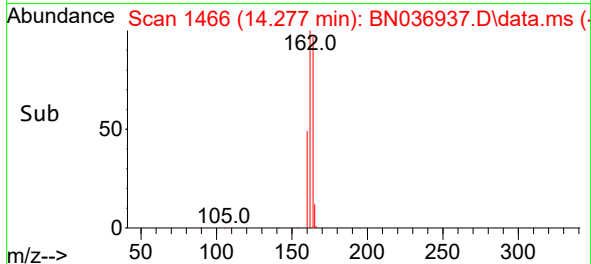
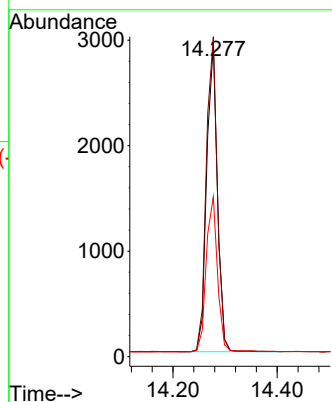
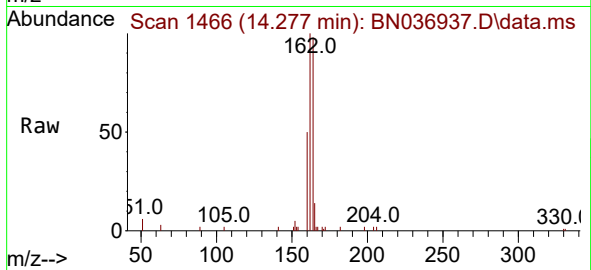




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.277 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

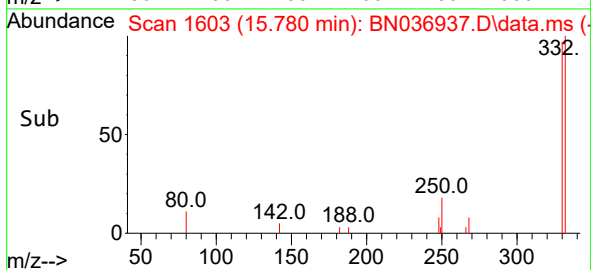
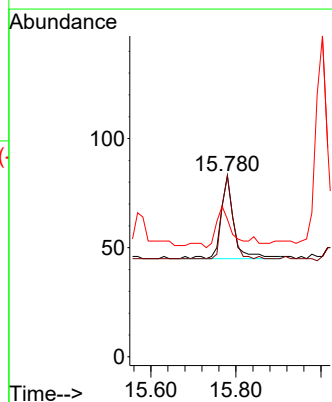
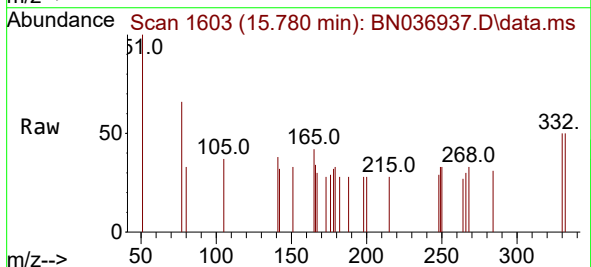
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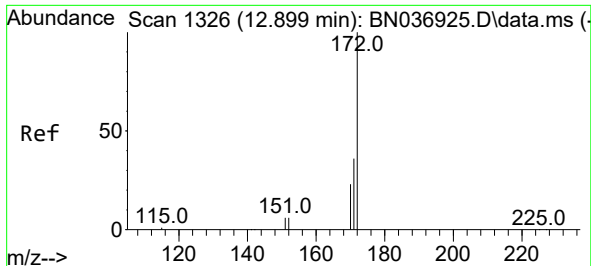
Tgt Ion:164 Resp: 4170
Ion Ratio Lower Upper
164 100
162 102.5 83.8 125.8
160 51.2 42.0 63.0



#14
2,4,6-Tribromophenol
Concen: 0.043 ng
RT: 15.780 min Scan# 1603
Delta R.T. 0.012 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:330 Resp: 80
Ion Ratio Lower Upper
330 100
332 86.3 76.3 114.5
141 55.0 45.4 68.2

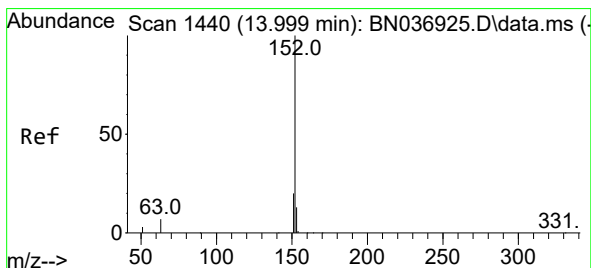
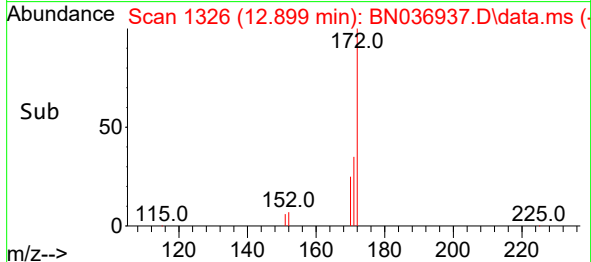
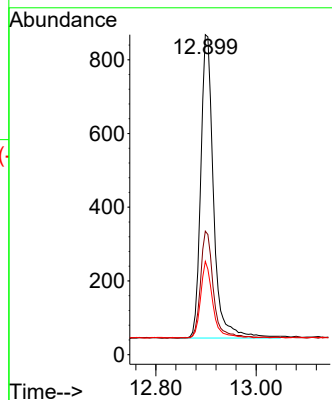
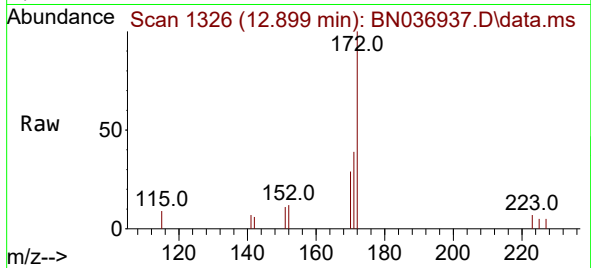




#15
2-Fluorobiphenyl
Concen: 0.081 ng
RT: 12.899 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

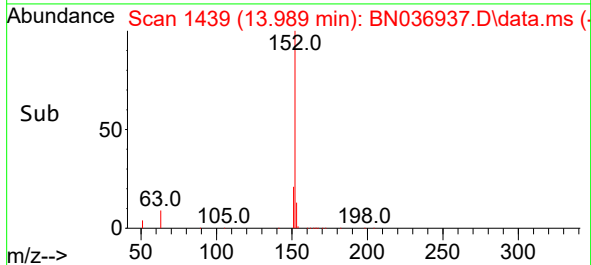
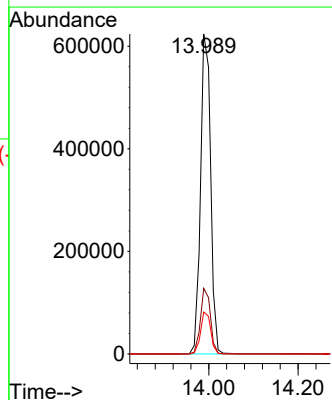
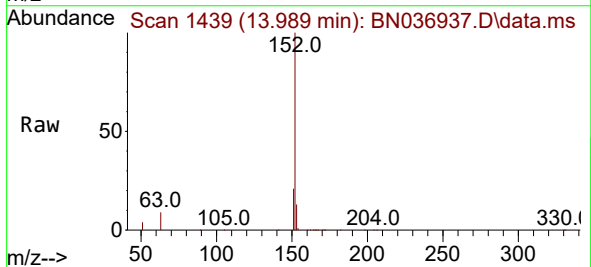
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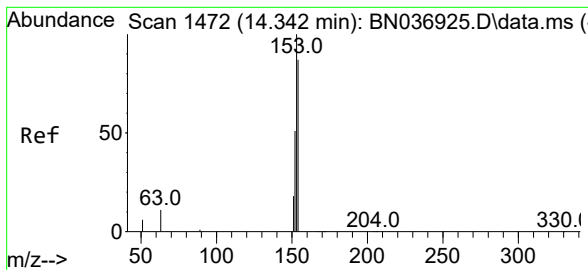
Tgt Ion:172 Resp: 1634
Ion Ratio Lower Upper
172 100
171 38.6 29.4 44.0
170 29.1 19.4 29.0#



#16
Acenaphthylene
Concen: 48.255 ng
RT: 13.989 min Scan# 1439
Delta R.T. -0.011 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:152 Resp: 983461
Ion Ratio Lower Upper
152 100
151 20.2 16.0 24.0
153 13.1 10.2 15.2

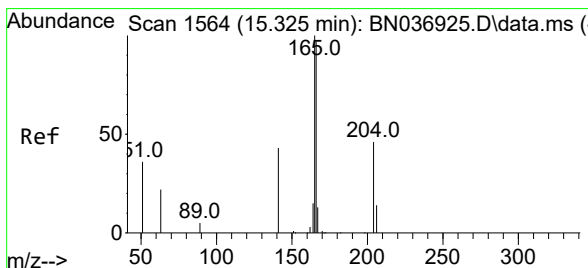
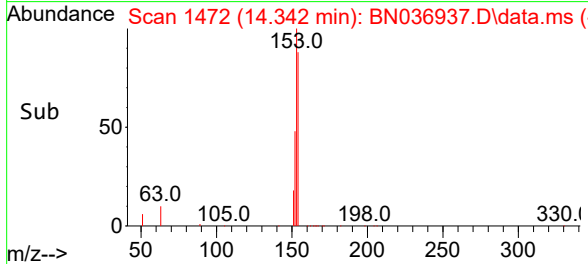
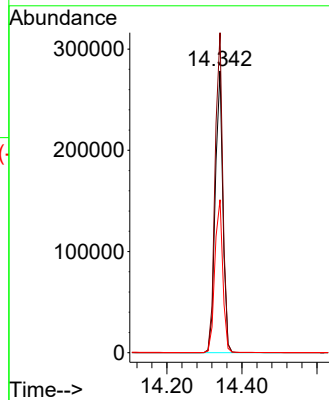
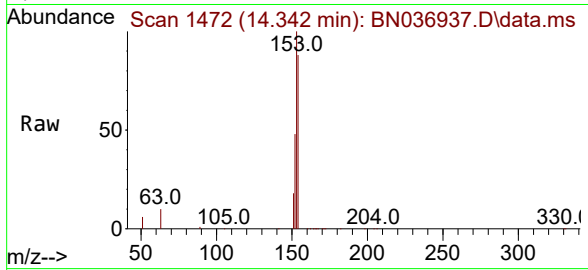




#17
Acenaphthene
Concen: 29.289 ng
RT: 14.342 min Scan# 1472
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

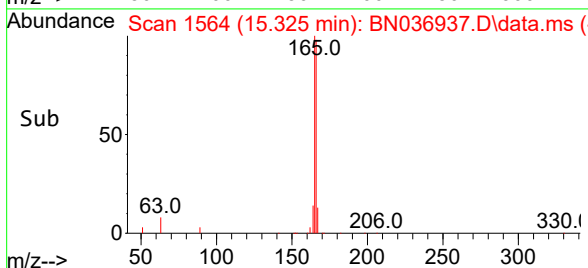
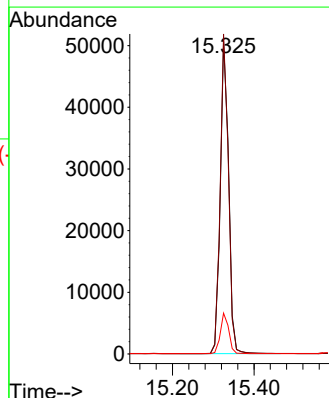
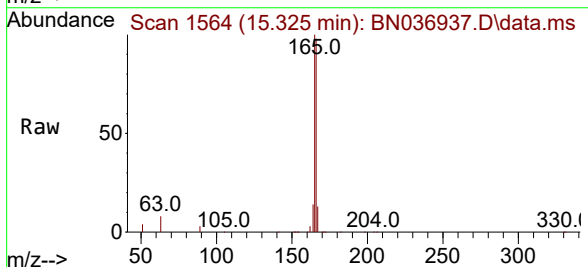
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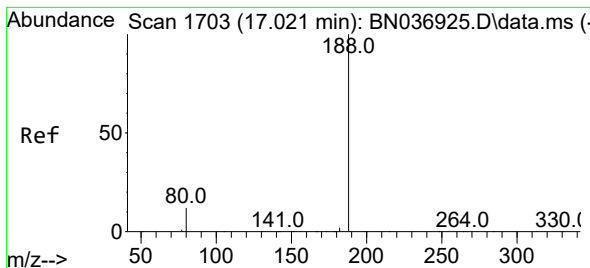
Tgt Ion:154 Resp: 392189
Ion Ratio Lower Upper
154 100
153 115.3 93.4 140.2
152 56.6 49.5 74.3



#18
Fluorene
Concen: 4.105 ng
RT: 15.325 min Scan# 1564
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:166 Resp: 71886
Ion Ratio Lower Upper
166 100
165 100.5 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: BN036937.D

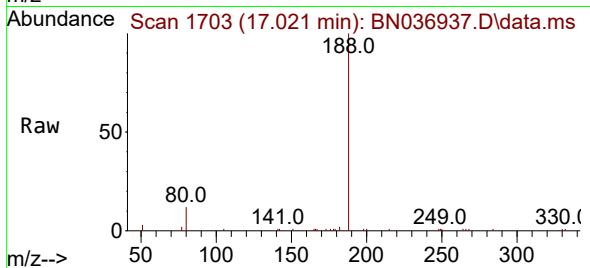
Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL



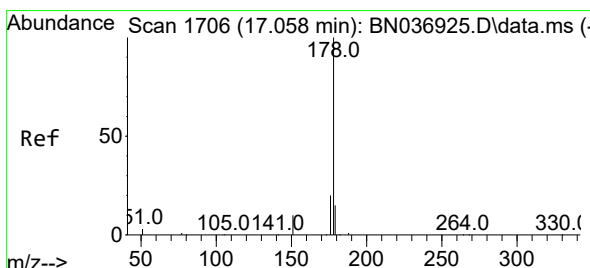
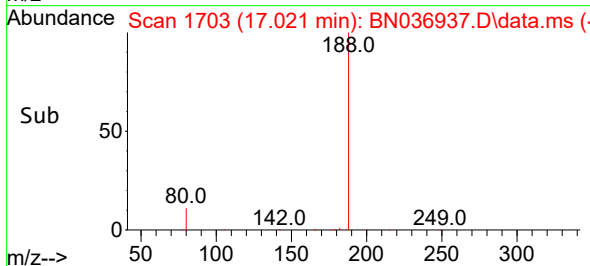
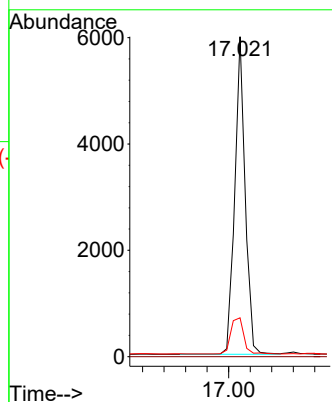
Tgt Ion:188 Resp: 7996

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.2 10.7 16.1



#25

Phenanthrene

Concen: 15.898 ng

RT: 17.058 min Scan# 1706

Delta R.T. 0.000 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

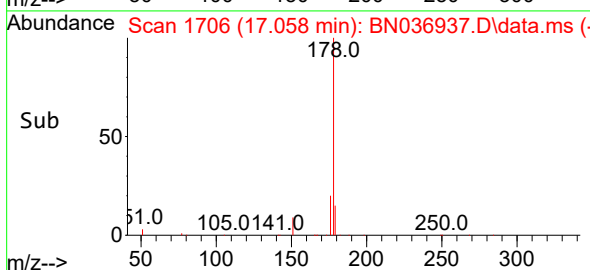
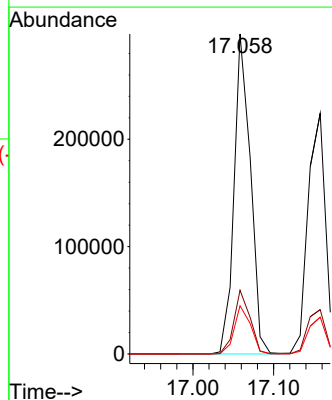
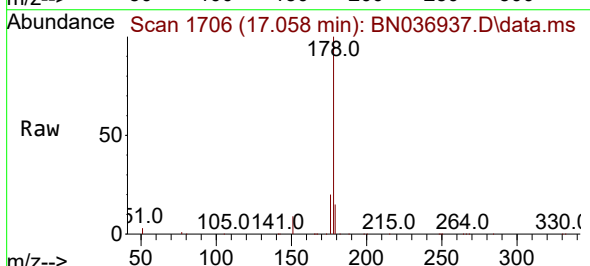
Tgt Ion:178 Resp: 419564

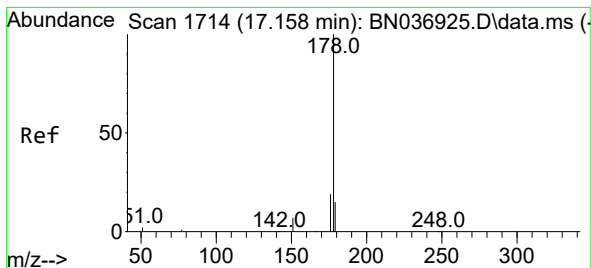
Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

179 15.2 12.4 18.6





#26

Anthracene

Concen: 14.445 ng

RT: 17.158 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL

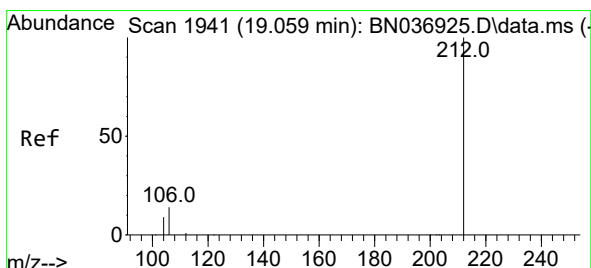
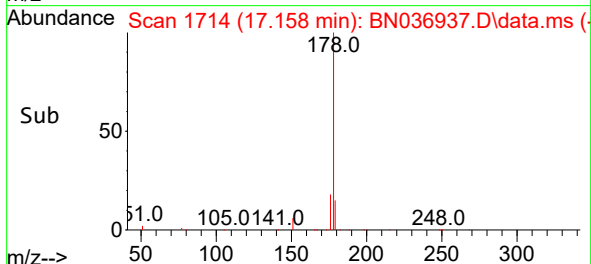
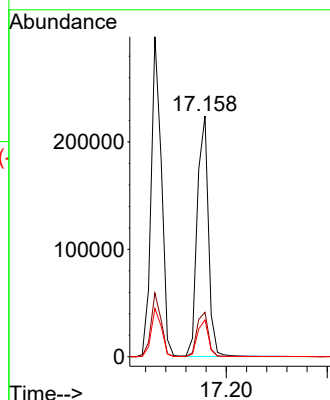
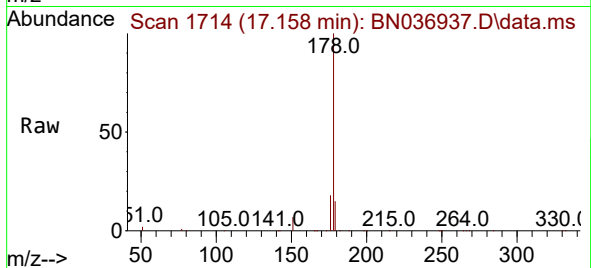
Tgt Ion:178 Resp: 344832

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.1 12.1 18.1



#27

Fluoranthene-d10

Concen: 0.088 ng

RT: 19.059 min Scan# 1941

Delta R.T. 0.000 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

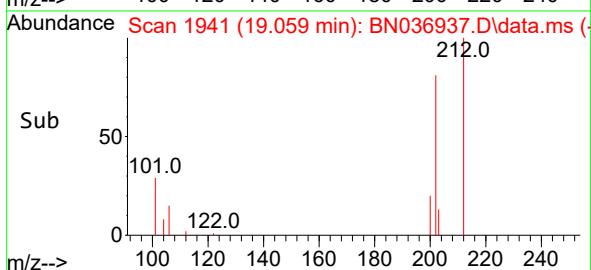
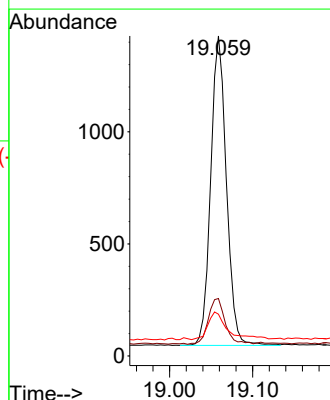
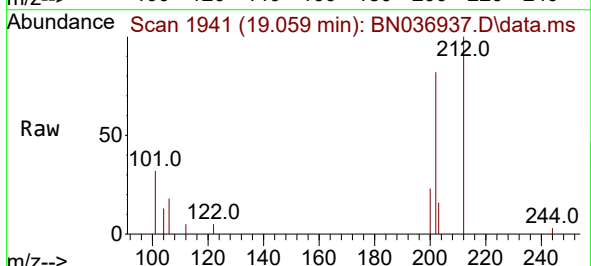
Tgt Ion:212 Resp: 1819

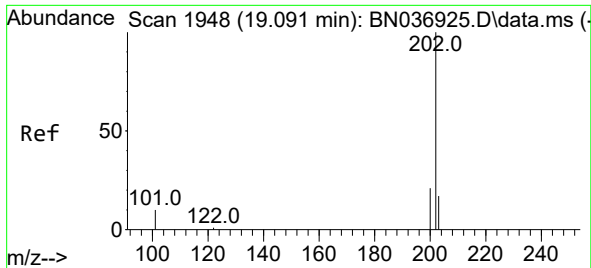
Ion Ratio Lower Upper

212 100

106 15.9 11.6 17.4

104 11.4 7.0 10.4#

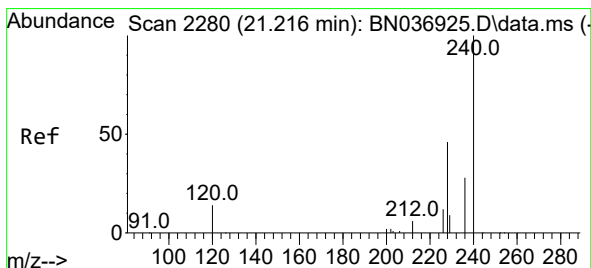
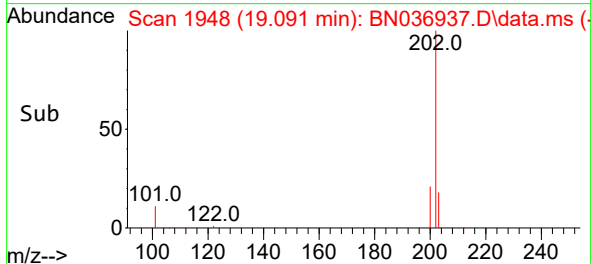
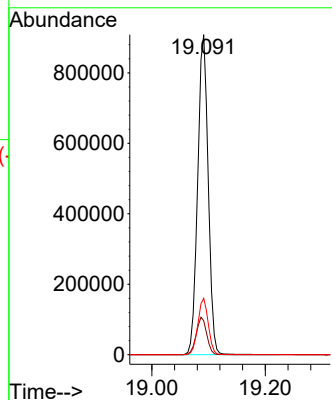
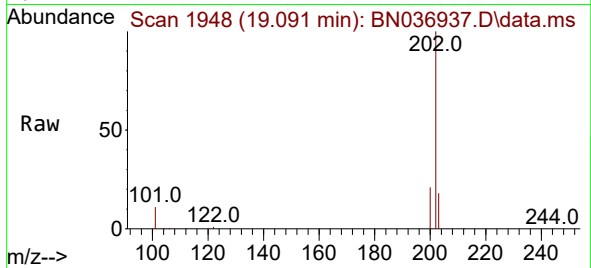




#28
Fluoranthene
Concen: 39.363 ng
RT: 19.091 min Scan# 1948
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

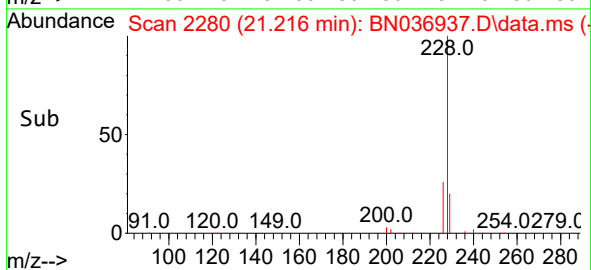
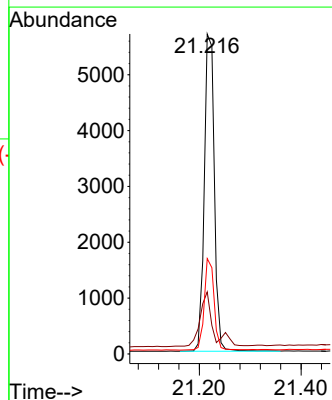
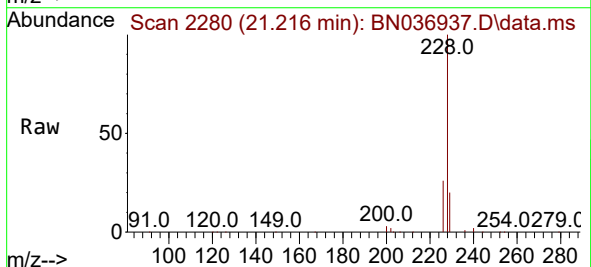
Instrument :
BNA_N
ClientSampleId :
38072-010925DL

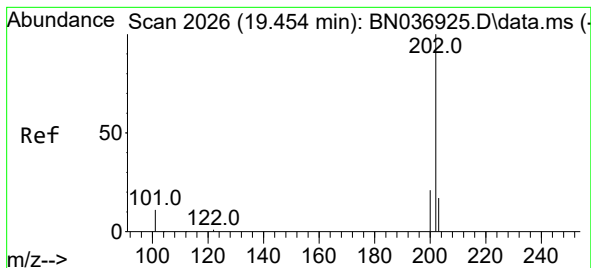
Tgt Ion:202 Resp: 1164278
Ion Ratio Lower Upper
202 100
101 11.6 8.5 12.7
203 17.4 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.216 min Scan# 2280
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Tgt Ion:240 Resp: 7787
Ion Ratio Lower Upper
240 100
120 19.4 14.1 21.1
236 29.8 23.8 35.8





#30

Pyrene

Concen: 11.609 ng

RT: 19.454 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL

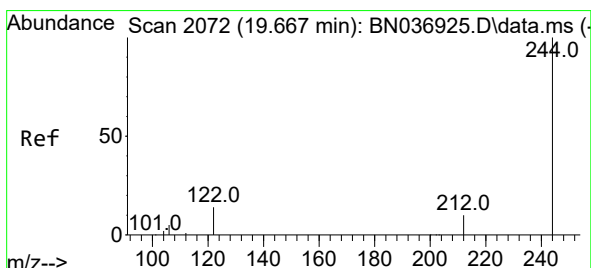
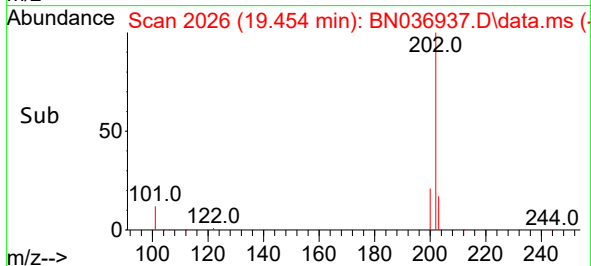
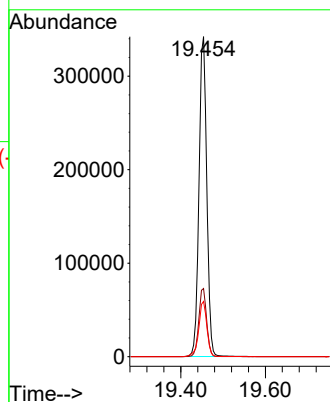
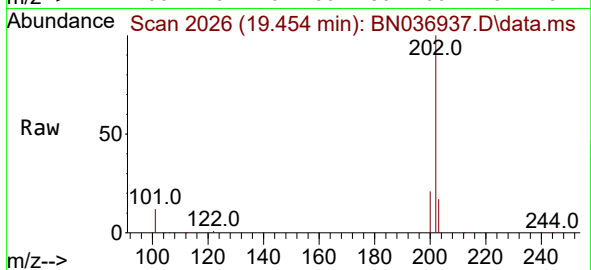
Tgt Ion:202 Resp: 435369

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.6

203 18.1 14.0 21.0



#31

Terphenyl-d14

Concen: 0.070 ng

RT: 19.667 min Scan# 2072

Delta R.T. 0.000 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

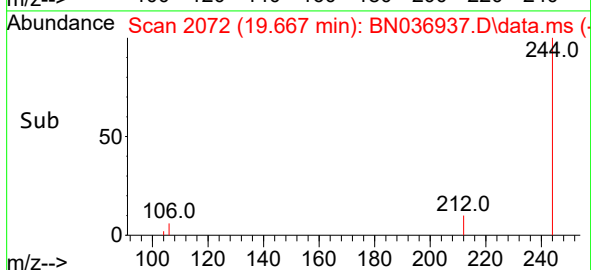
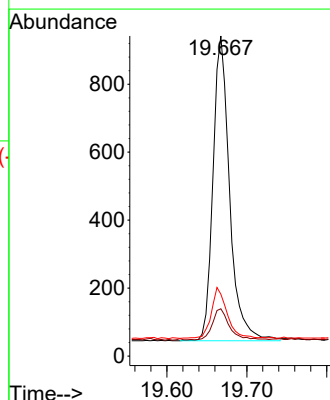
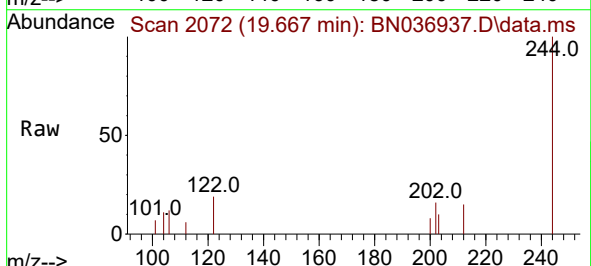
Tgt Ion:244 Resp: 1294

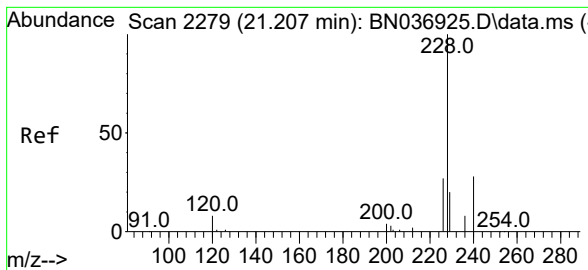
Ion Ratio Lower Upper

244 100

212 14.8 9.6 14.4#

122 19.3 12.7 19.1#



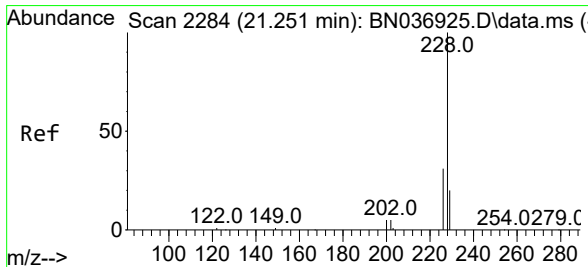
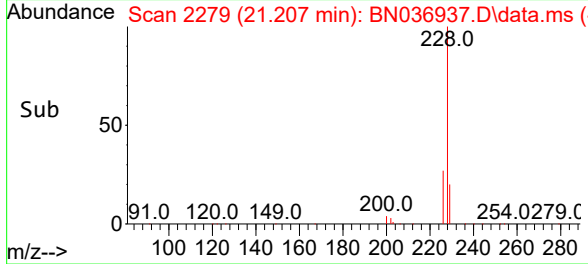
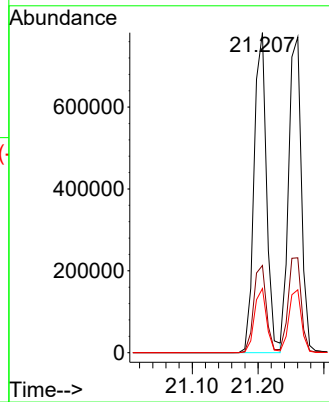
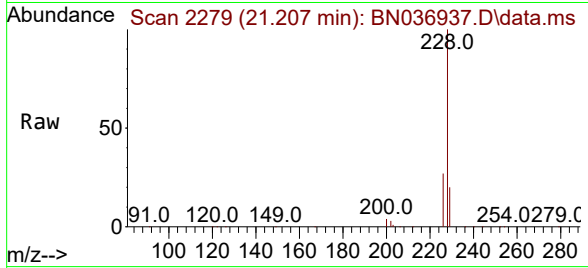


#32
 Benzo(a)anthracene
 Concen: 35.945 ng
 RT: 21.207 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN036937.D
 Acq: 29 Apr 2025 13:41

Instrument :
 BNA_N
 ClientSampleId :
 38072-010925DL

Tgt Ion:228 Resp: 1030872

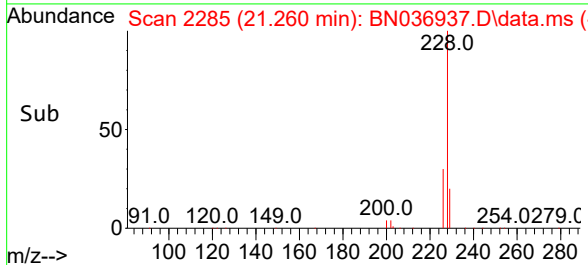
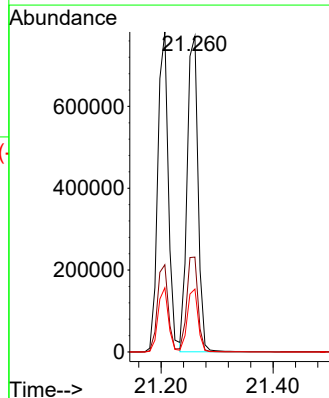
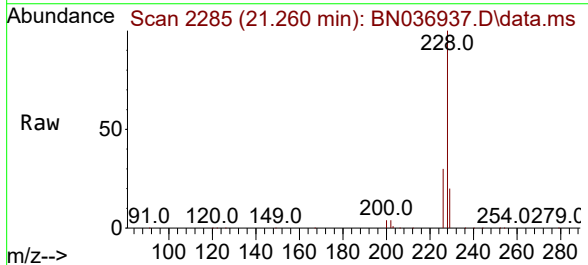
Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.2	33.4
229	20.0	16.4	24.6

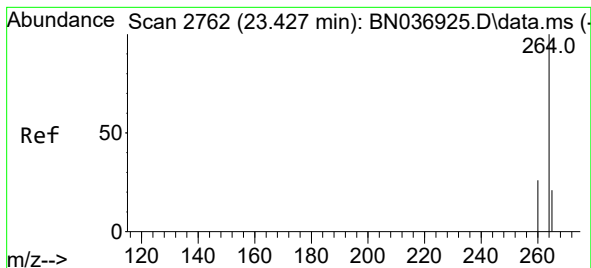


#33
 Chrysene
 Concen: 33.727 ng
 RT: 21.260 min Scan# 2285
 Delta R.T. 0.009 min
 Lab File: BN036937.D
 Acq: 29 Apr 2025 13:41

Tgt Ion:228 Resp: 1043139

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.5	38.3
229	19.9	16.5	24.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.427 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036937.D

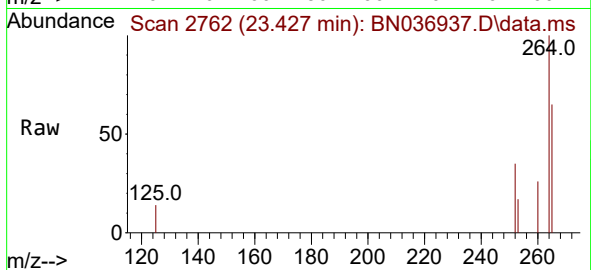
Acq: 29 Apr 2025 13:41

Instrument :

BNA_N

ClientSampleId :

38072-010925DL



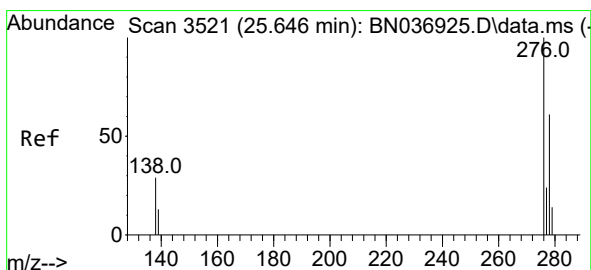
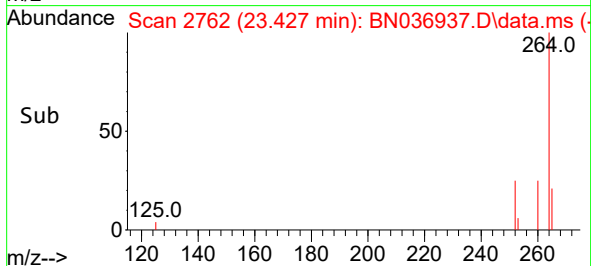
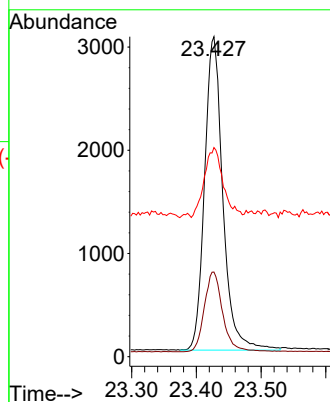
Tgt Ion:264 Resp: 5957

Ion Ratio Lower Upper

264 100

260 26.5 22.2 33.2

265 65.4 65.8 98.6#



#36

Indeno(1,2,3-cd)pyrene

Concen: 30.377 ng

RT: 25.652 min Scan# 3523

Delta R.T. 0.006 min

Lab File: BN036937.D

Acq: 29 Apr 2025 13:41

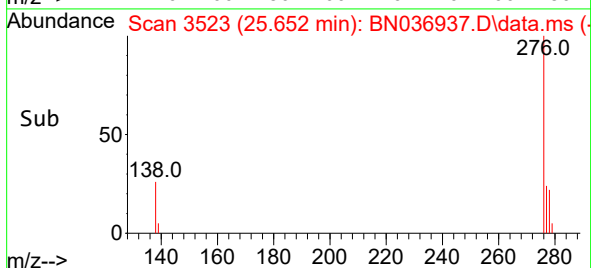
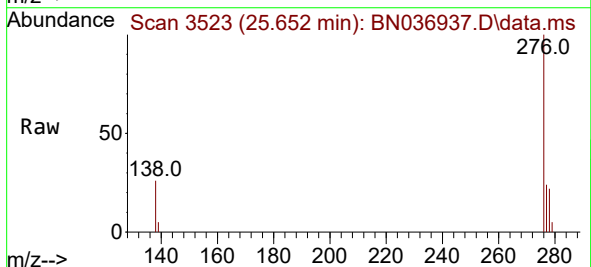
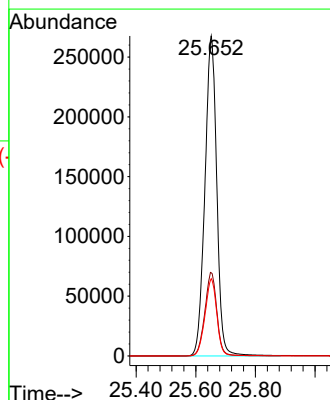
Tgt Ion:276 Resp: 739011

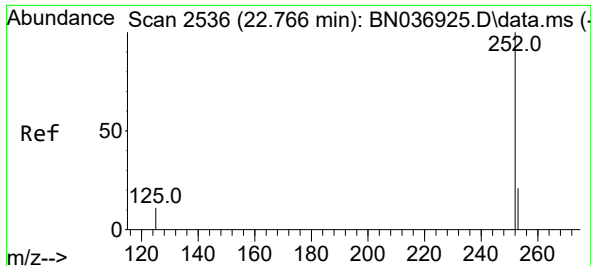
Ion Ratio Lower Upper

276 100

138 26.4 23.0 34.6

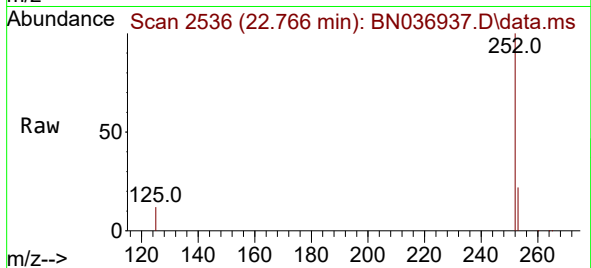
277 24.0 20.0 30.0



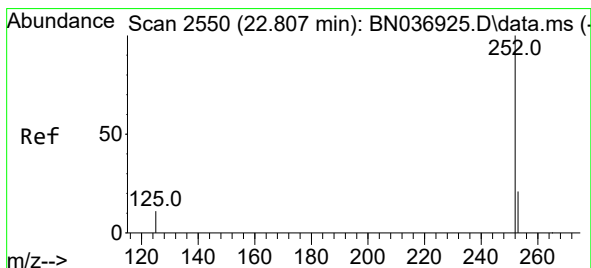
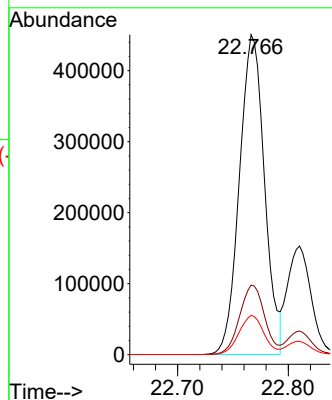


#37
Benzo(b)fluoranthene
Concen: 28.346 ng
RT: 22.766 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

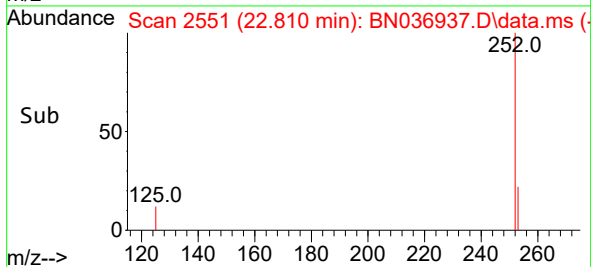
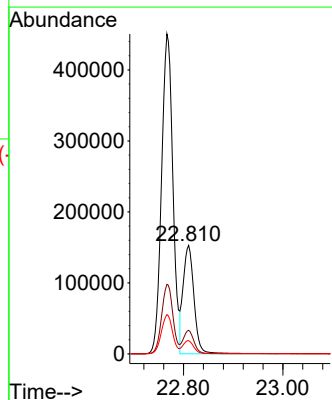
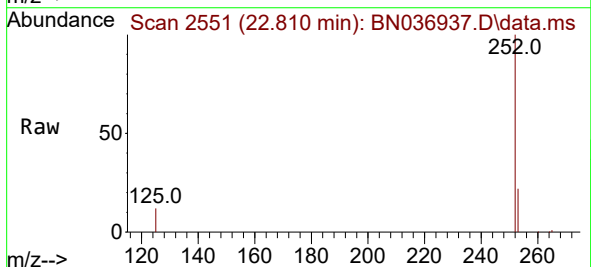


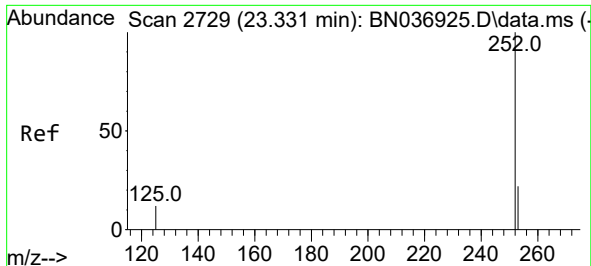
Tgt Ion:252 Resp: 710014
Ion Ratio Lower Upper
252 100
253 21.8 22.1 33.1#
125 12.3 14.2 21.2#



#38
Benzo(k)fluoranthene
Concen: 9.109 ng
RT: 22.810 min Scan# 2551
Delta R.T. 0.003 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

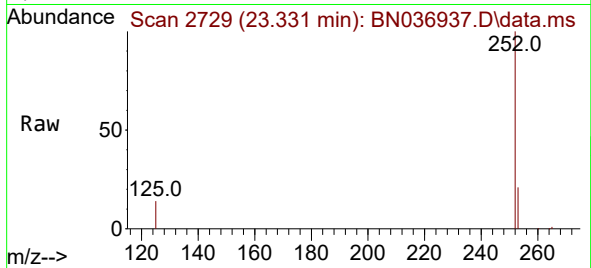
Tgt Ion:252 Resp: 229443
Ion Ratio Lower Upper
252 100
253 21.8 22.8 34.2#
125 12.3 14.2 21.2#



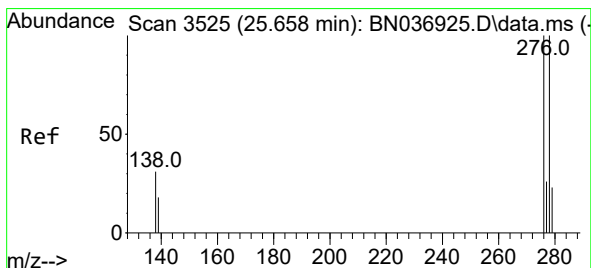
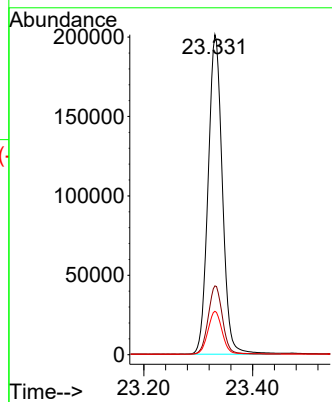
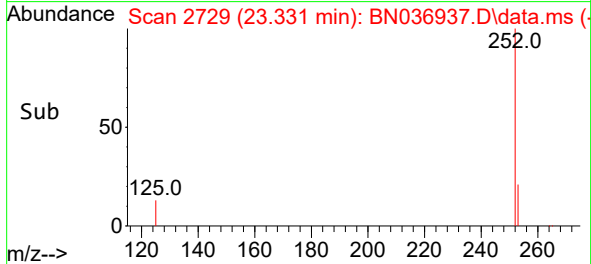


#39
Benzo(a)pyrene
Concen: 17.678 ng
RT: 23.331 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL

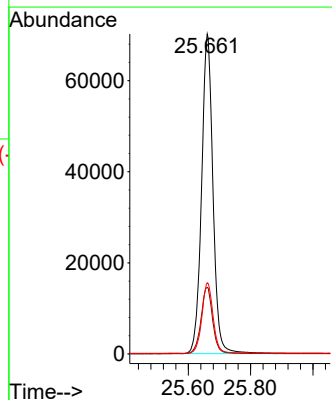
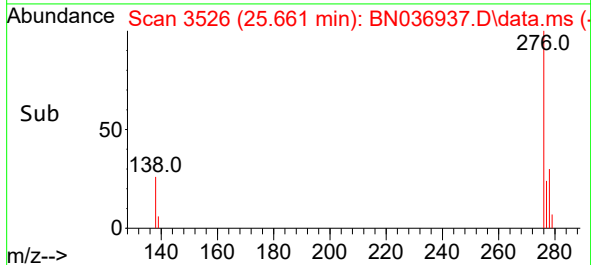
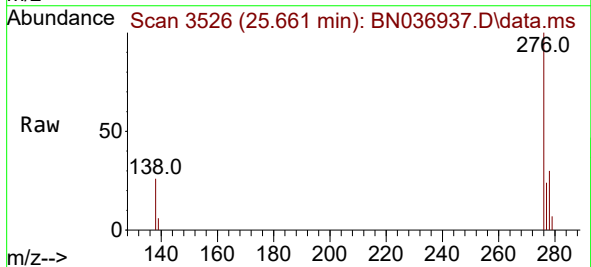


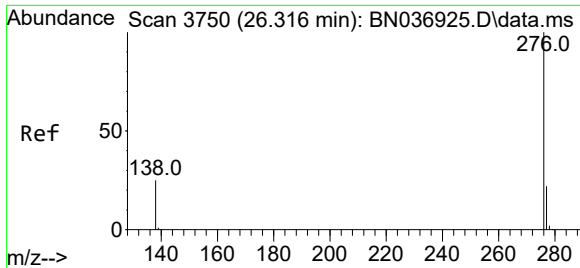
Tgt Ion:252 Resp: 364004
Ion Ratio Lower Upper
252 100
253 21.5 25.9 38.9#
125 13.5 17.4 26.0#



#40
Dibenzo(a,h)anthracene
Concen: 9.314 ng
RT: 25.661 min Scan# 3526
Delta R.T. 0.003 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

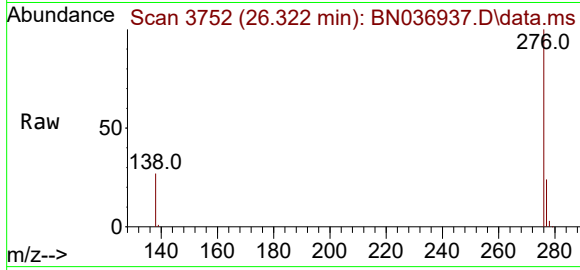
Tgt Ion:278 Resp: 178329
Ion Ratio Lower Upper
278 100
139 20.8 17.4 26.2
279 22.3 24.9 37.3#





#41
Benzo(g,h,i)perylene
Concen: 8.458 ng
RT: 26.322 min Scan# 31
Delta R.T. 0.006 min
Lab File: BN036937.D
Acq: 29 Apr 2025 13:41

Instrument :
BNA_N
ClientSampleId :
38072-010925DL



Tgt Ion:276 Resp: 179719
Ion Ratio Lower Upper
276 100
277 23.6 20.2 30.2
138 27.3 21.9 32.9

