

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050825\
 Data File : BN036977.D
 Acq On : 08 May 2025 17:29
 Operator : RC/JU
 Sample : Q1939-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GB1B

Quant Time: May 08 18:28:13 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)

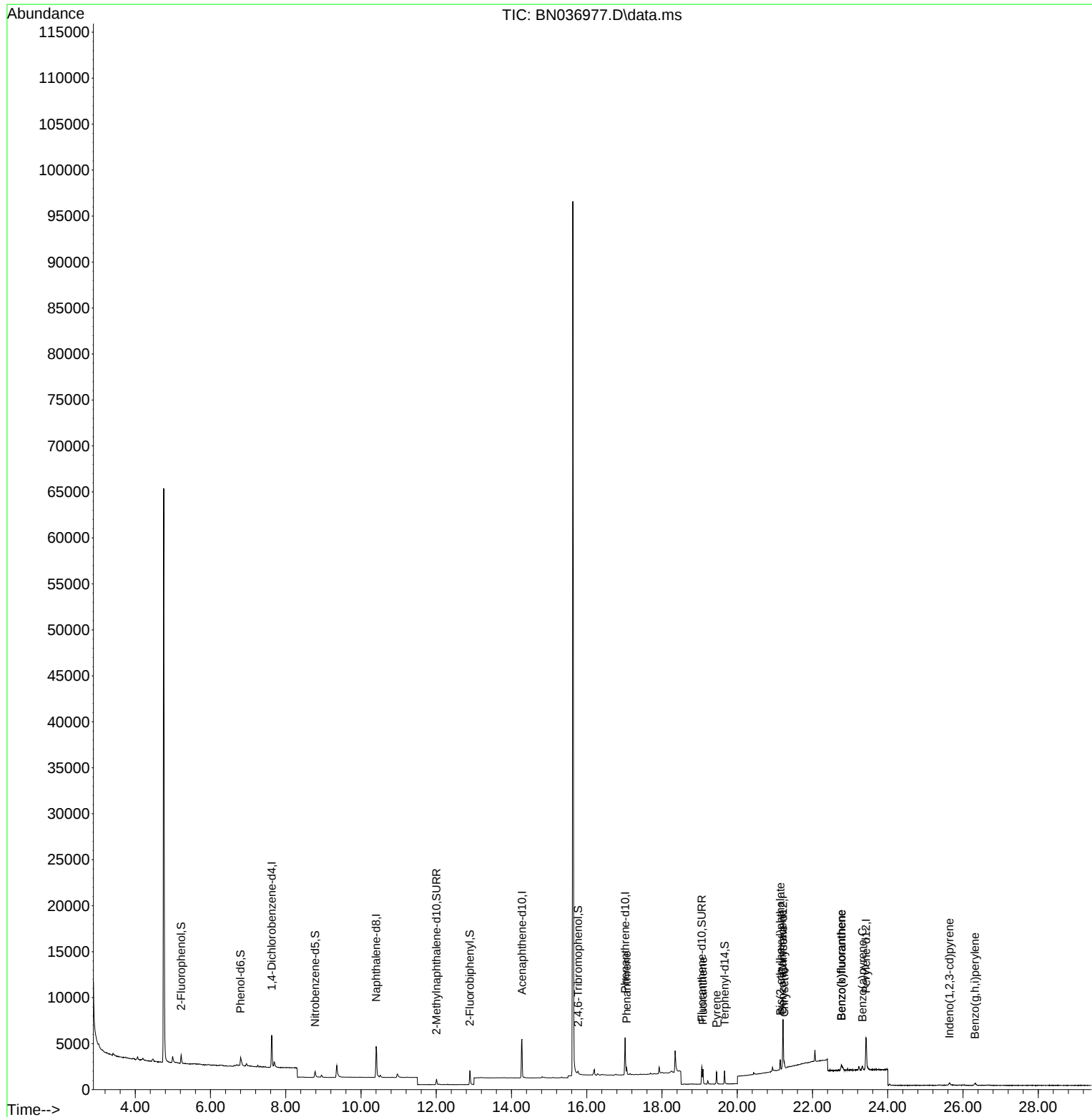
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	1746	0.400	ng	0.00
7) Naphthalene-d8	10.404	136	4604	0.400	ng	#-0.01
13) Acenaphthene-d10	14.277	164	2550	0.400	ng	0.00
19) Phenanthrene-d10	17.021	188	5231	0.400	ng	0.00
29) Chrysene-d12	21.215	240	4605	0.400	ng	0.00
35) Perylene-d12	23.424	264	4646	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.220	112	675	0.151	ng	0.00
5) Phenol-d6	6.802	99	806	0.147	ng	0.00
8) Nitrobenzene-d5	8.781	82	639	0.133	ng	0.00
11) 2-Methylnaphthalene-d10	12.006	152	893	0.139	ng	0.00
14) 2,4,6-Tribromophenol	15.767	330	156	0.137	ng	0.00
15) 2-Fluorobiphenyl	12.893	172	1475	0.120	ng	0.00
27) Fluoranthene-d10	19.059	212	2053	0.151	ng	0.00
31) Terphenyl-d14	19.662	244	1336	0.123	ng	0.00
Target Compounds						
						Qvalue
25) Phenanthrene	17.058	178	675	0.039	ng	96
28) Fluoranthene	19.086	202	1351	0.070	ng	# 97
30) Pyrene	19.449	202	1267	0.057	ng	# 96
32) Benzo(a)anthracene	21.197	228	639	0.038	ng	# 79
33) Chrysene	21.251	228	634	0.035	ng	# 82
34) Bis(2-ethylhexyl)phtha...	21.144	149	1033	0.107	ng	# 96
36) Indeno(1,2,3-cd)pyrene	25.637	276	409	0.022	ng	# 75
37) Benzo(b)fluoranthene	22.766	252	948	0.049	ng	# 6
38) Benzo(k)fluoranthene	22.766	252	948	0.048	ng	# 8
39) Benzo(a)pyrene	23.325	252	571	0.036	ng	# 1
41) Benzo(g,h,i)perylene	26.318	276	462	0.028	ng	# 56

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

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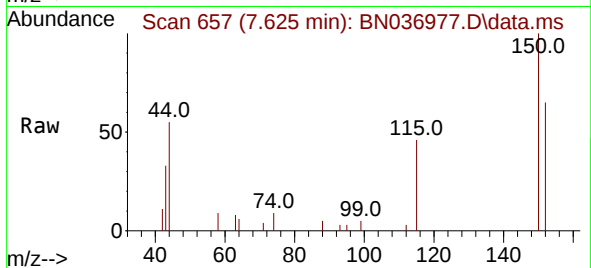
Quant Time: May 08 18:28:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN042825.M
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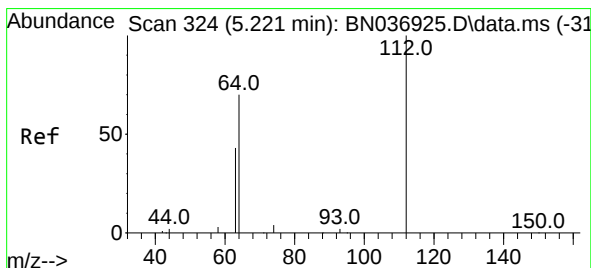
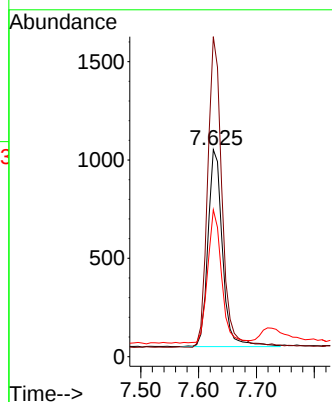
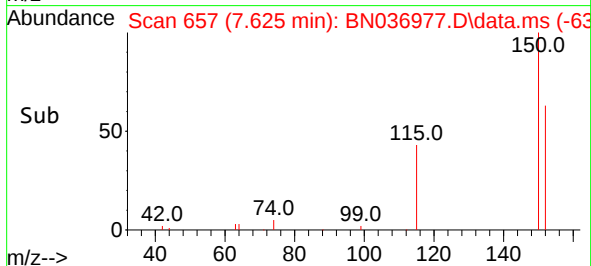


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.625 min Scan# 61
Delta R.T. -0.008 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

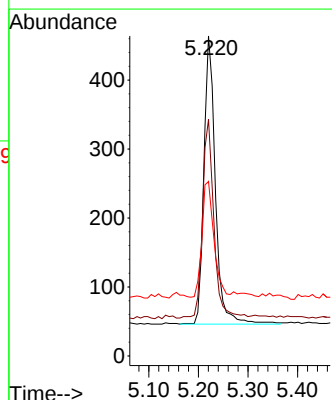
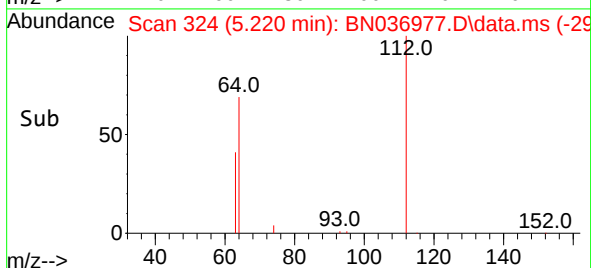
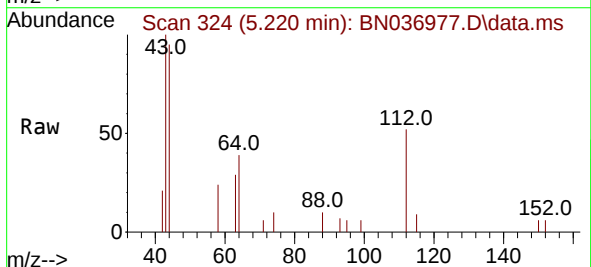


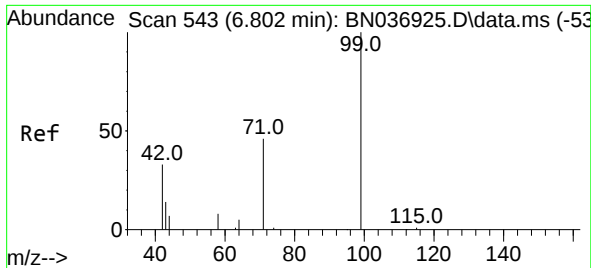
Tgt Ion:152 Resp: 1746
Ion Ratio Lower Upper
152 100
150 154.5 121.1 181.7
115 70.9 51.8 77.6



#4
2-Fluorophenol
Concen: 0.151 ng
RT: 5.220 min Scan# 324
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:112 Resp: 675
Ion Ratio Lower Upper
112 100
64 67.7 55.7 83.5
63 41.6 33.9 50.9

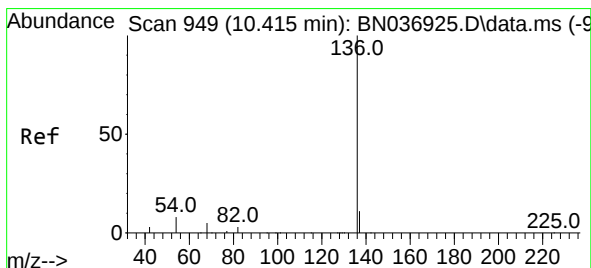
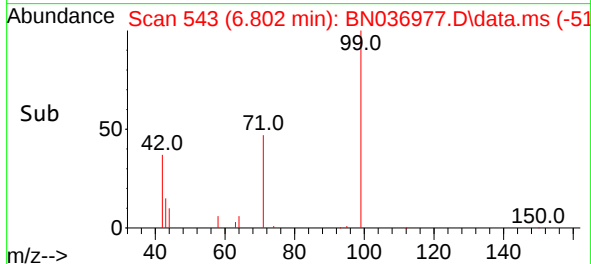
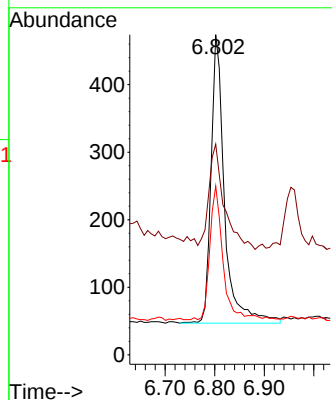
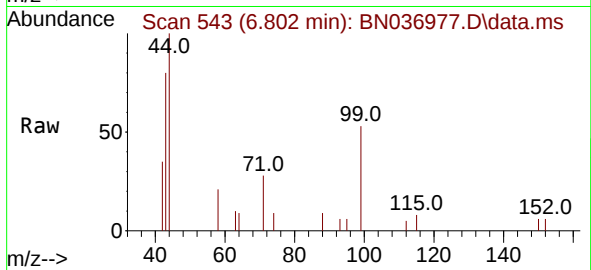




#5
Phenol-d6
Concen: 0.147 ng
RT: 6.802 min Scan# 543
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

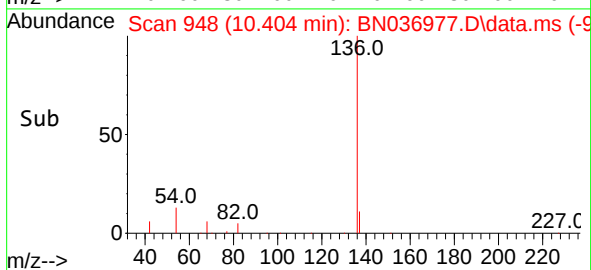
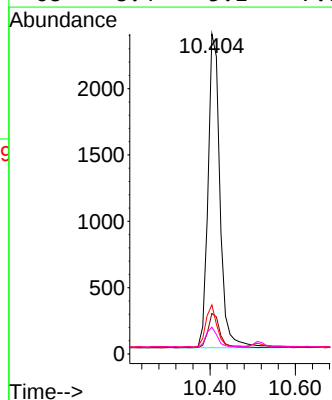
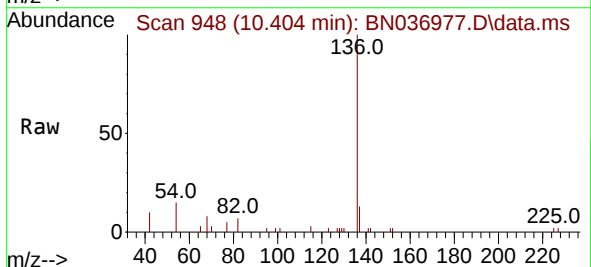
Instrument :
BNA_N
ClientSampleId :
GB1B

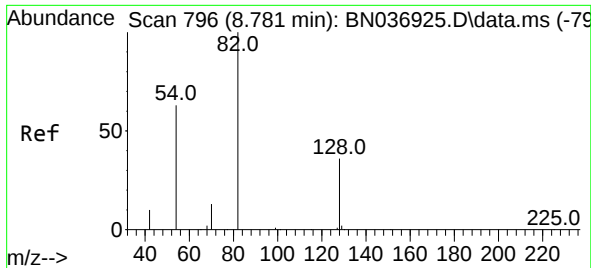
Tgt Ion:	99	Resp:	806
Ion	Ratio	Lower	Upper
99	100		
42	42.1	29.6	44.4
71	45.9	36.0	54.0



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.404 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:	136	Resp:	4604
Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	15.4	8.0	12.0#
68	8.4	5.1	7.7#

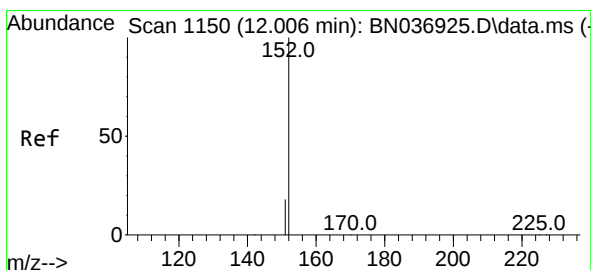
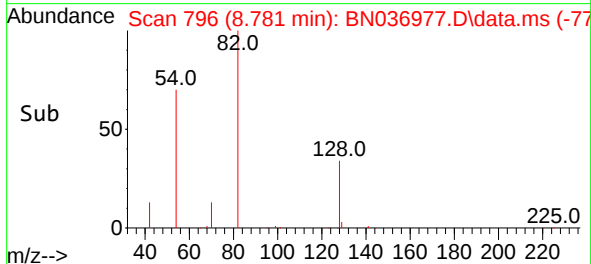
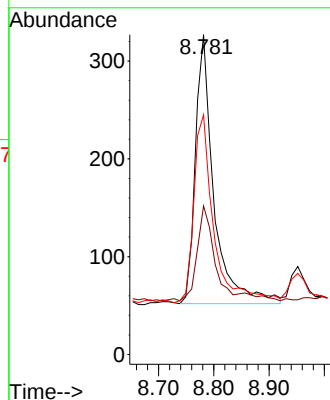
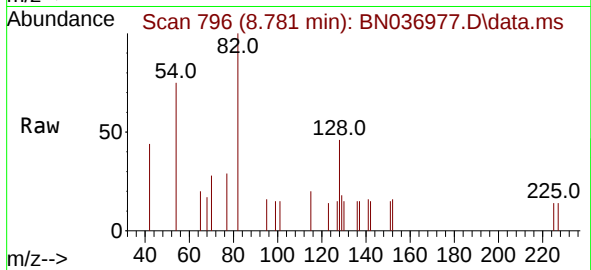




#8
 Nitrobenzene-d5
 Concen: 0.133 ng
 RT: 8.781 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: BN036977.D
 Acq: 08 May 2025 17:29

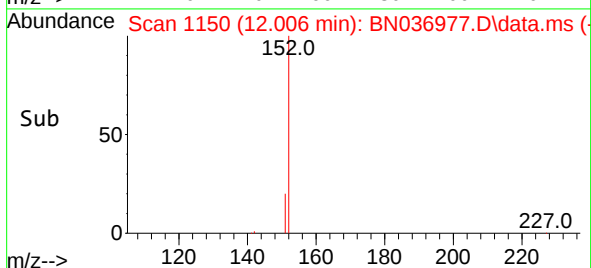
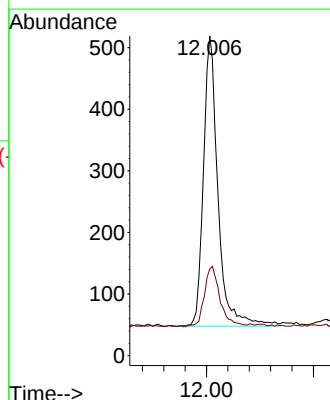
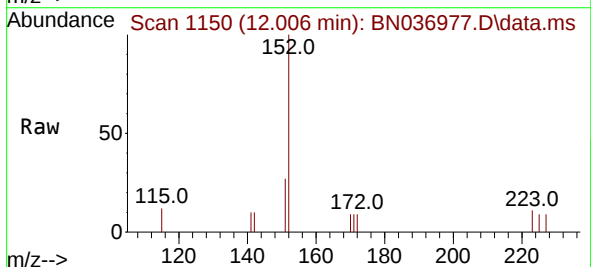
Instrument :
 BNA_N
 ClientSampleId :
 GB1B

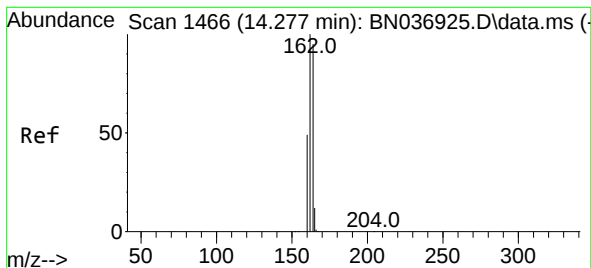
Tgt Ion: 82 Resp: 639
 Ion Ratio Lower Upper
 82 100
 128 46.5 30.7 46.1#
 54 74.9 52.1 78.1



#11
 2-Methylnaphthalene-d10
 Concen: 0.139 ng
 RT: 12.006 min Scan# 1150
 Delta R.T. -0.000 min
 Lab File: BN036977.D
 Acq: 08 May 2025 17:29

Tgt Ion: 152 Resp: 893
 Ion Ratio Lower Upper
 152 100
 151 22.4 16.9 25.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.277 min Scan# 1466

Delta R.T. -0.000 min

Lab File: BN036977.D

Acq: 08 May 2025 17:29

Instrument :

BNA_N

ClientSampleId :

GB1B

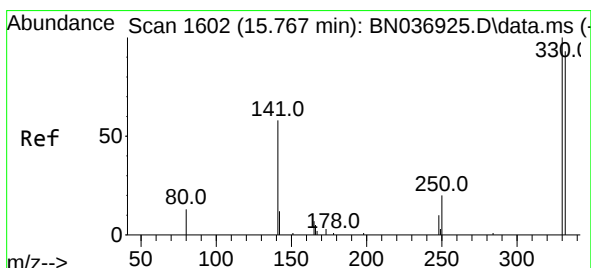
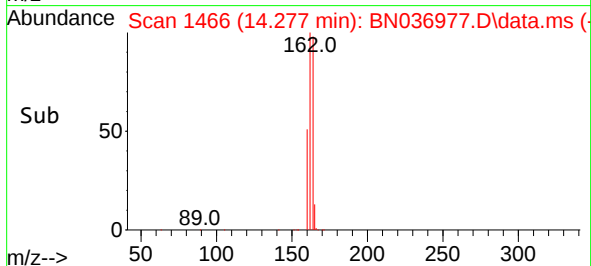
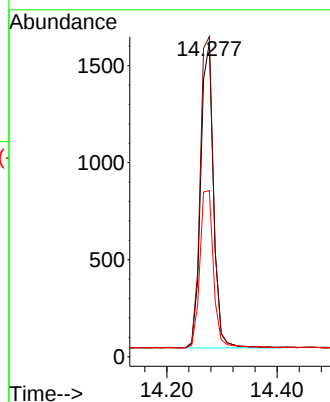
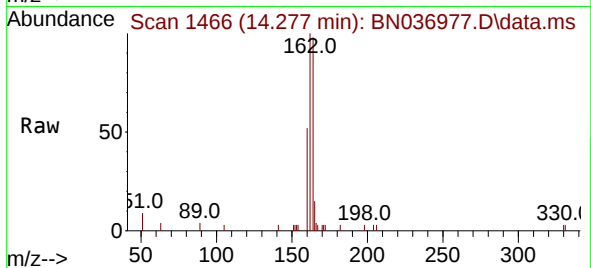
Tgt Ion:164 Resp: 2550

Ion Ratio Lower Upper

164 100

162 102.0 83.8 125.8

160 52.9 42.0 63.0



#14

2,4,6-Tribromophenol

Concen: 0.137 ng

RT: 15.767 min Scan# 1602

Delta R.T. -0.000 min

Lab File: BN036977.D

Acq: 08 May 2025 17:29

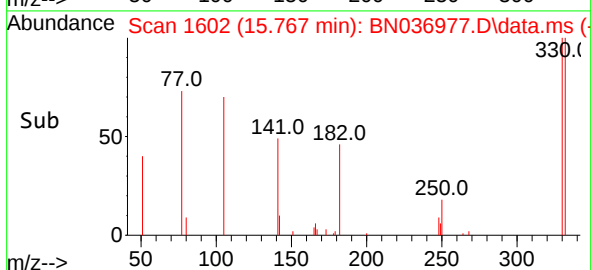
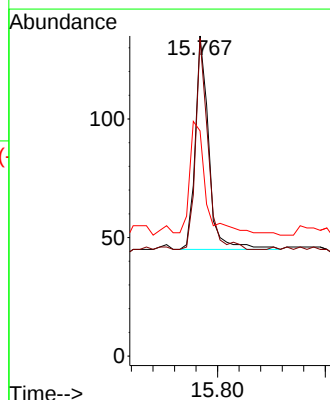
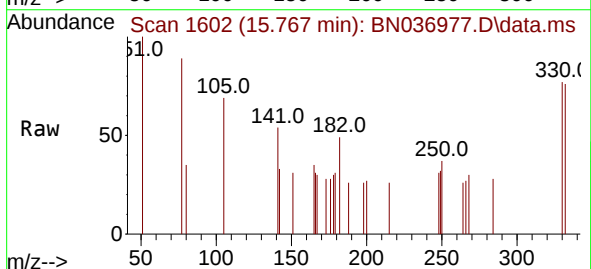
Tgt Ion:330 Resp: 156

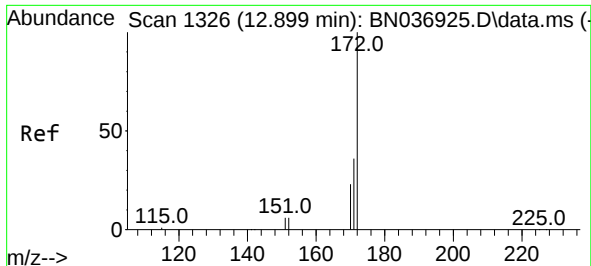
Ion Ratio Lower Upper

330 100

332 91.0 76.3 114.5

141 69.2 45.4 68.2#

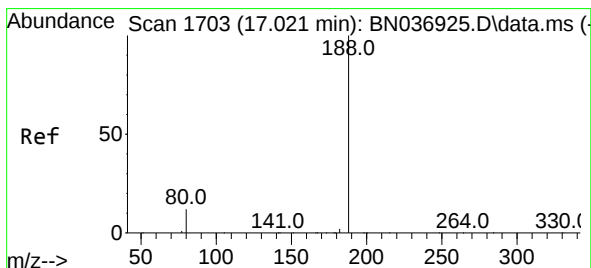
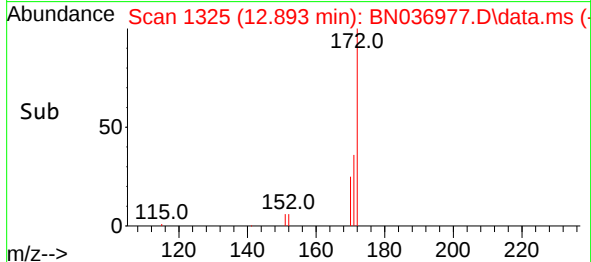
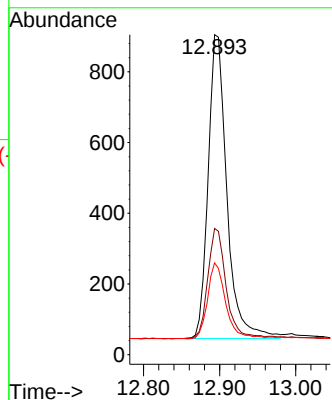
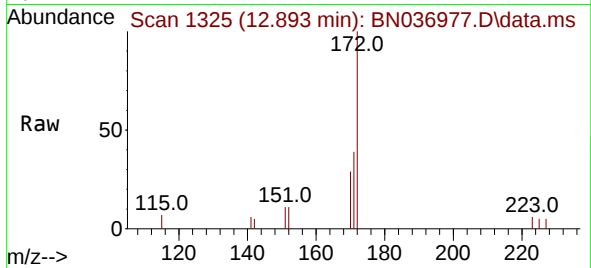




#15
2-Fluorobiphenyl
Concen: 0.120 ng
RT: 12.893 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

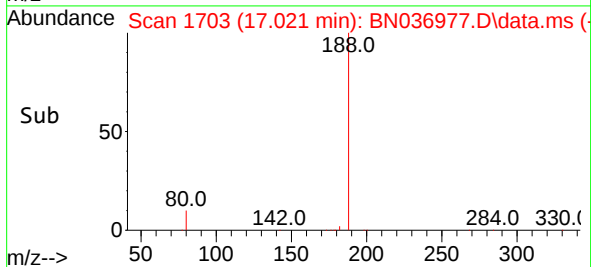
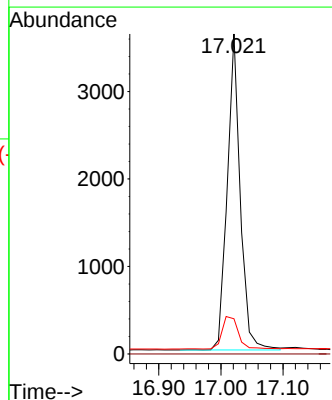
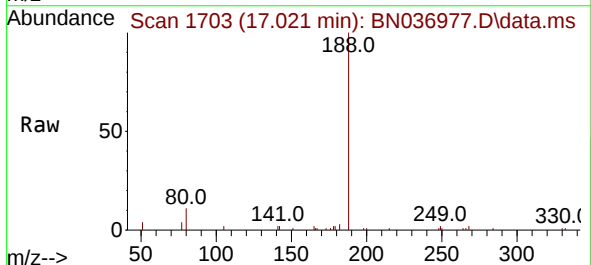
Instrument :
BNA_N
ClientSampleId :
GB1B

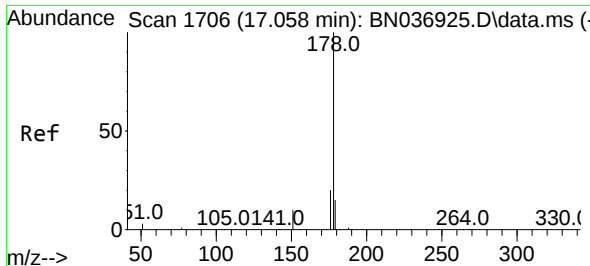
Tgt Ion:172 Resp: 1475
Ion Ratio Lower Upper
172 100
171 39.4 29.4 44.0
170 28.7 19.4 29.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.021 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:188 Resp: 5231
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 10.7 16.1

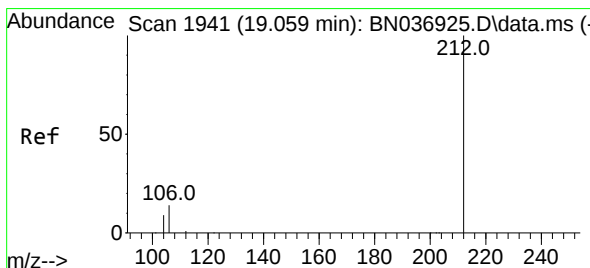
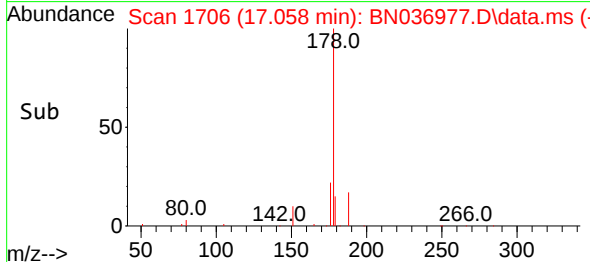
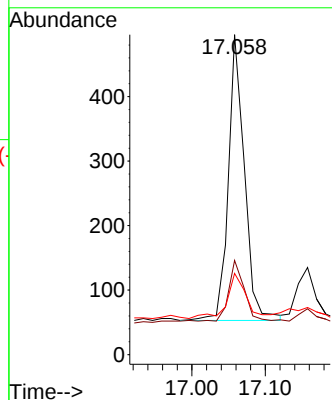
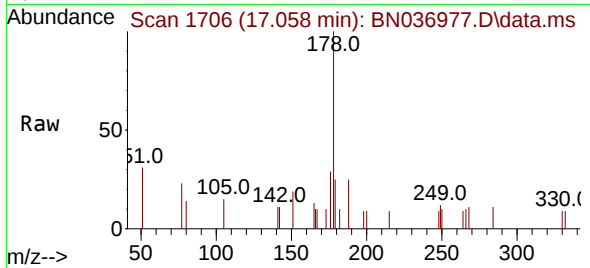




#25
Phenanthrene
Concen: 0.039 ng
RT: 17.058 min Scan# 1706
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

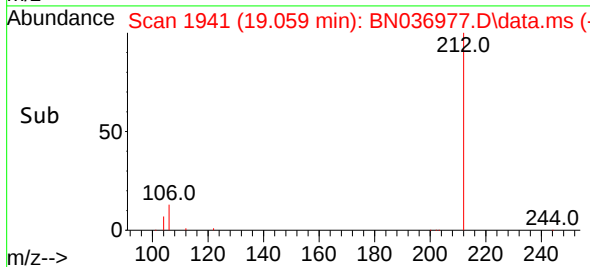
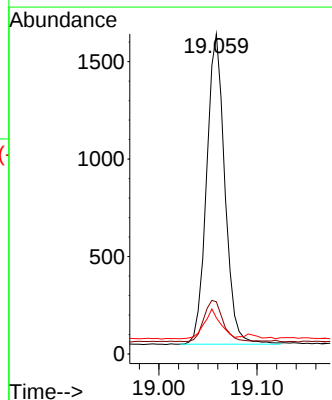
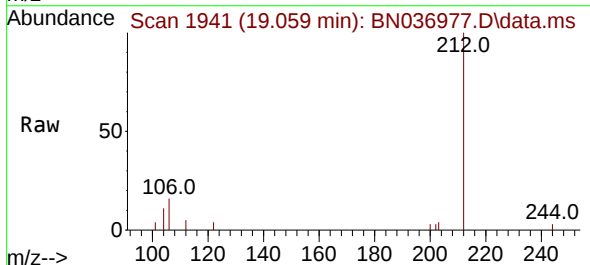
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BNA_N
ClientSampleId :
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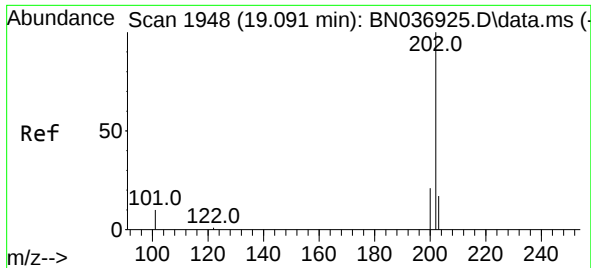
Tgt Ion:178 Resp: 675
Ion Ratio Lower Upper
178 100
176 20.9 15.7 23.5
179 18.2 12.4 18.6



#27
Fluoranthene-d10
Concen: 0.151 ng
RT: 19.059 min Scan# 1941
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:212 Resp: 2053
Ion Ratio Lower Upper
212 100
106 14.0 11.6 17.4
104 8.7 7.0 10.4

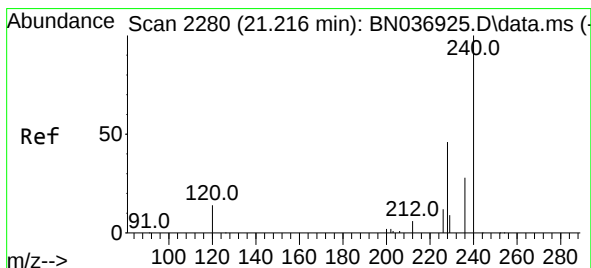
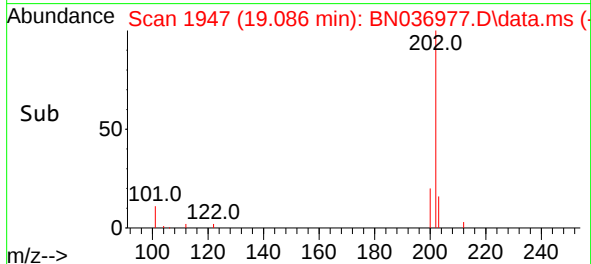
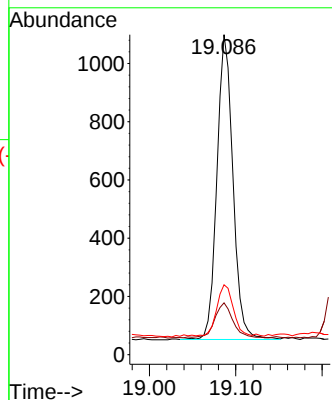
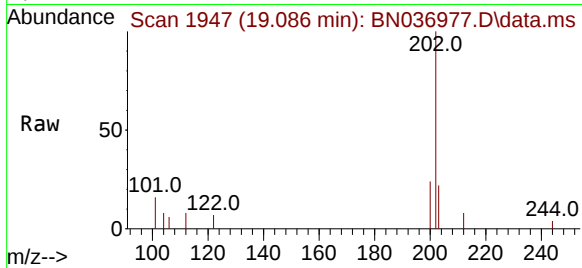




#28
Fluoranthene
Concen: 0.070 ng
RT: 19.086 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

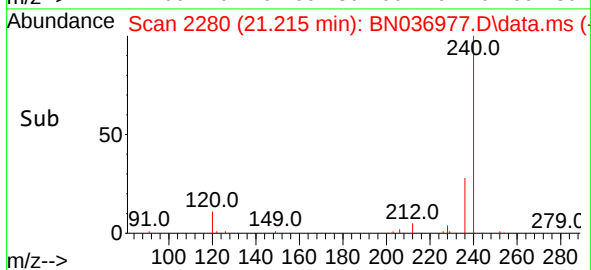
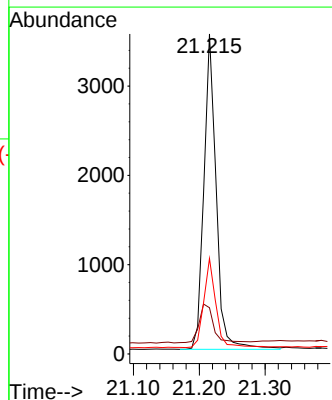
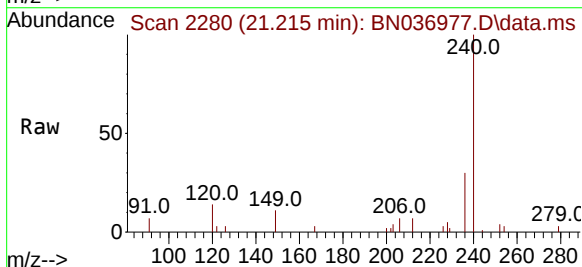
Instrument :
BNA_N
ClientSampleId :
GB1B

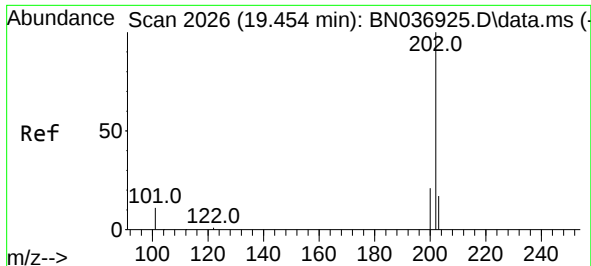
Tgt Ion:202 Resp: 1351
Ion Ratio Lower Upper
202 100
101 12.9 8.5 12.7#
203 17.9 13.7 20.5



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.215 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:240 Resp: 4605
Ion Ratio Lower Upper
240 100
120 14.5 14.1 21.1
236 29.8 23.8 35.8

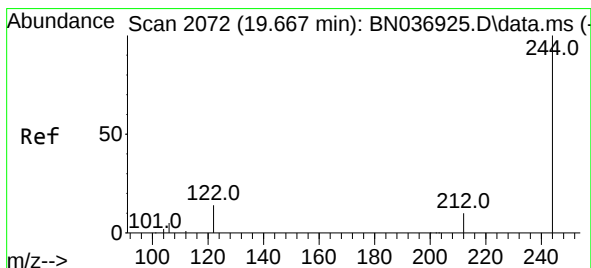
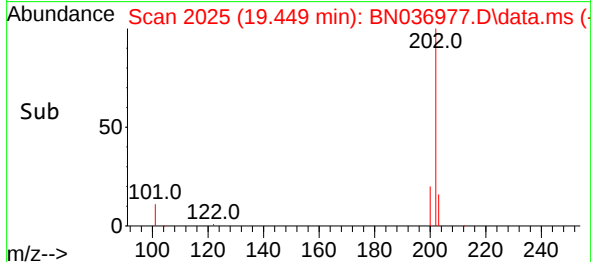
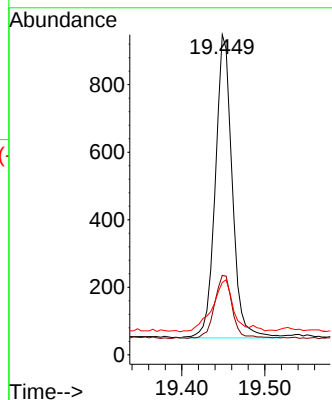
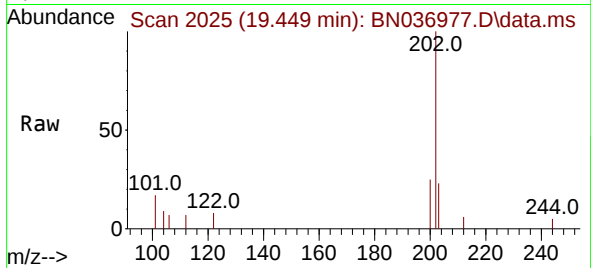




#30
Pyrene
Concen: 0.057 ng
RT: 19.449 min Scan# 2025
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

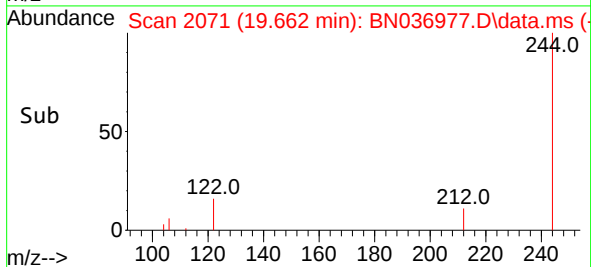
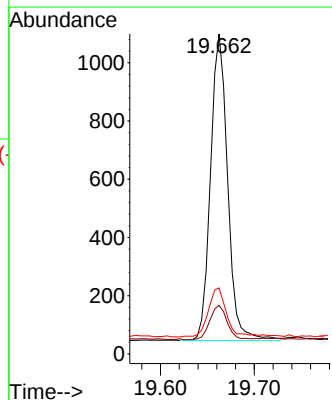
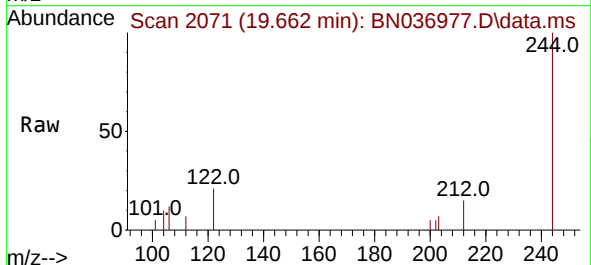
Instrument :
BNA_N
ClientSampleId :
GB1B

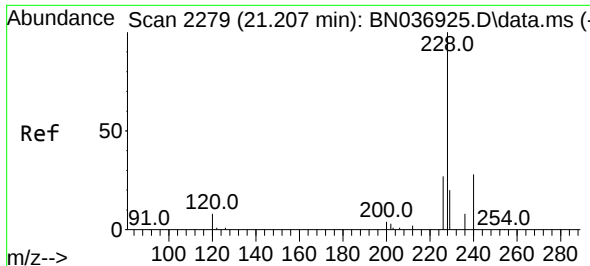
Tgt Ion:202 Resp: 1267
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 21.2 14.0 21.0#



#31
Terphenyl-d14
Concen: 0.123 ng
RT: 19.662 min Scan# 2071
Delta R.T. -0.005 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:244 Resp: 1336
Ion Ratio Lower Upper
244 100
212 15.2 9.6 14.4#
122 20.7 12.7 19.1#

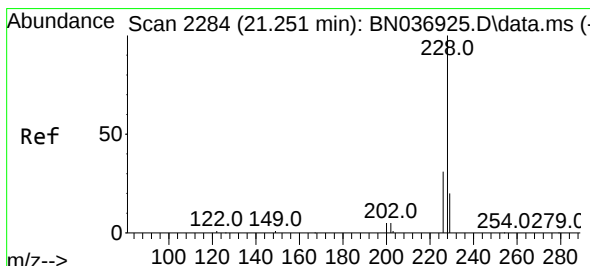
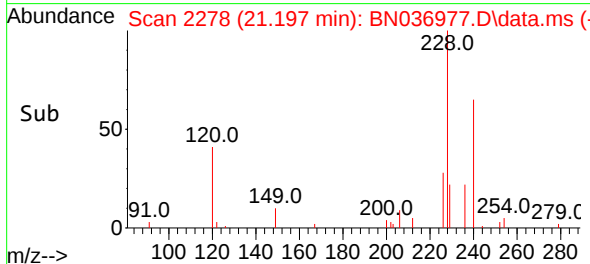
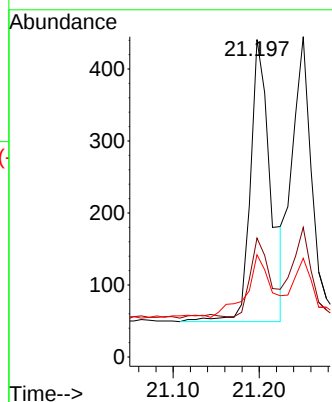
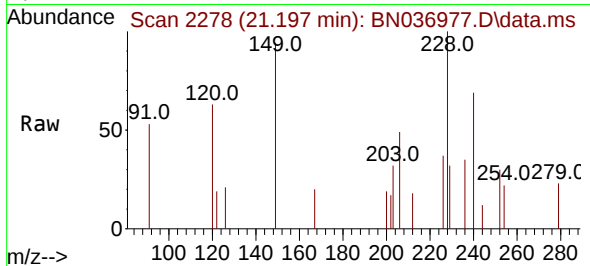




#32
Benzo(a)anthracene
Concen: 0.038 ng
RT: 21.197 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

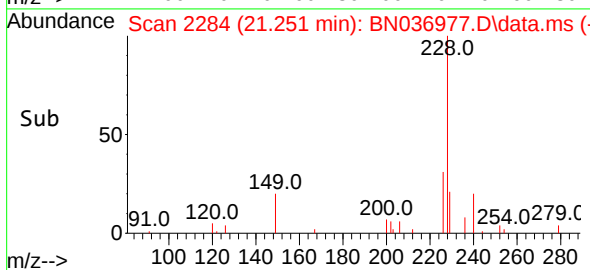
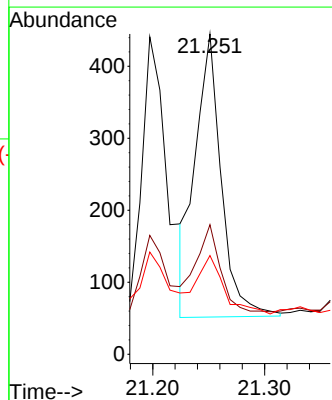
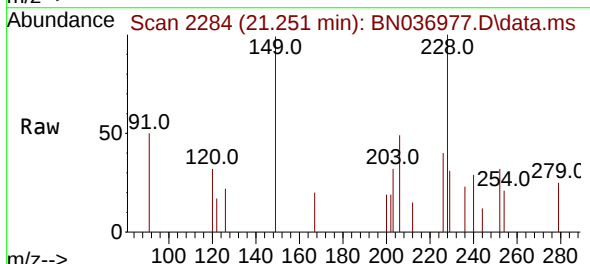
Instrument :
BNA_N
ClientSampleId :
GB1B

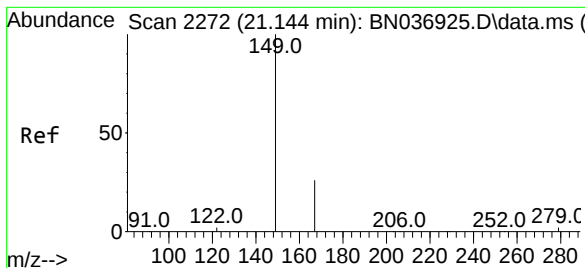
Tgt Ion:228 Resp: 639
Ion Ratio Lower Upper
228 100
226 37.4 22.2 33.4#
229 32.2 16.4 24.6#



#33
Chrysene
Concen: 0.035 ng
RT: 21.251 min Scan# 2284
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Tgt Ion:228 Resp: 634
Ion Ratio Lower Upper
228 100
226 40.4 25.5 38.3#
229 30.8 16.5 24.7#

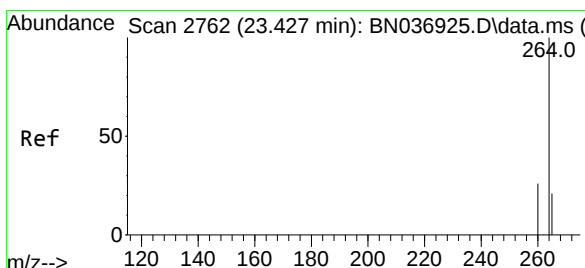
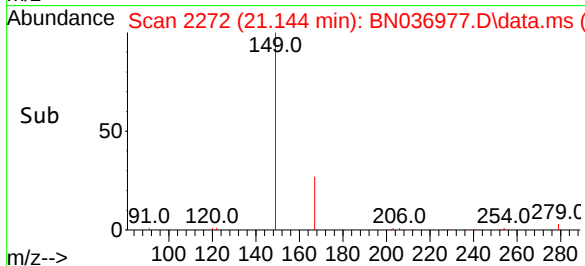
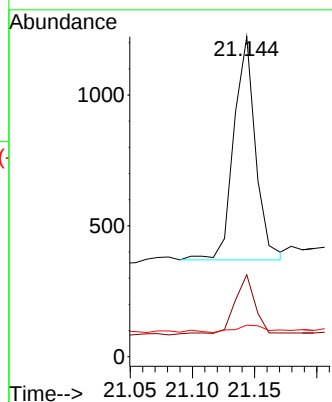
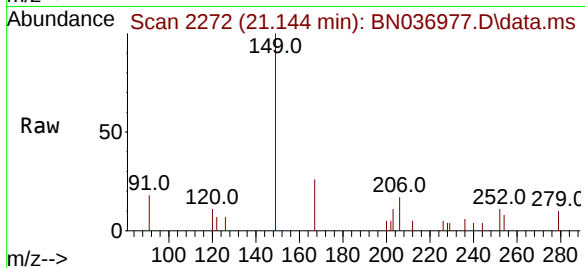




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.107 ng
 RT: 21.144 min Scan# 2114
 Delta R.T. -0.000 min
 Lab File: BN036977.D
 Acq: 08 May 2025 17:29

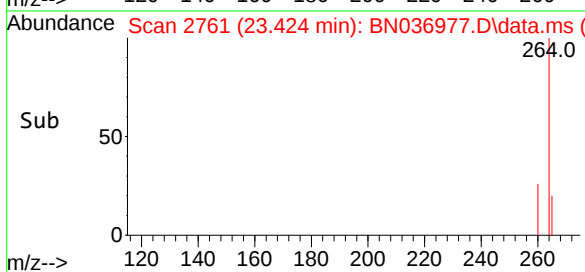
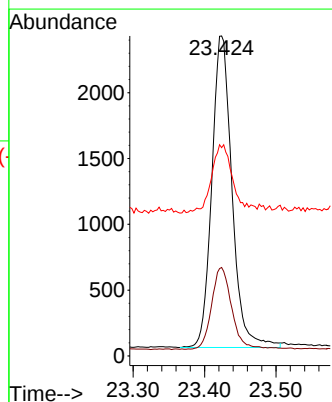
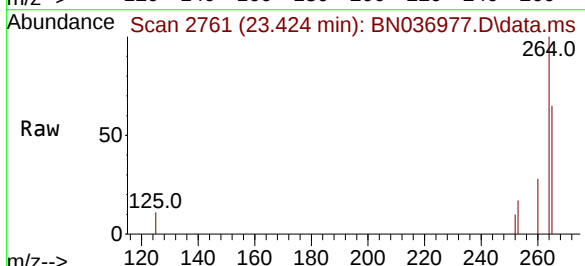
Instrument :
 BNA_N
 ClientSampleId :
 GB1B

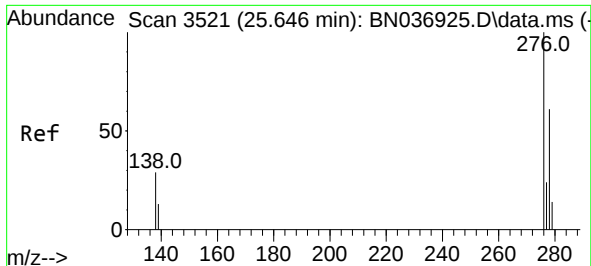
Tgt Ion:149 Resp: 1033
 Ion Ratio Lower Upper
 149 100
 167 24.4 21.0 31.6
 279 5.2 2.7 4.1#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.424 min Scan# 2761
 Delta R.T. -0.003 min
 Lab File: BN036977.D
 Acq: 08 May 2025 17:29

Tgt Ion:264 Resp: 4646
 Ion Ratio Lower Upper
 264 100
 260 27.6 22.2 33.2
 265 65.1 65.8 98.6#

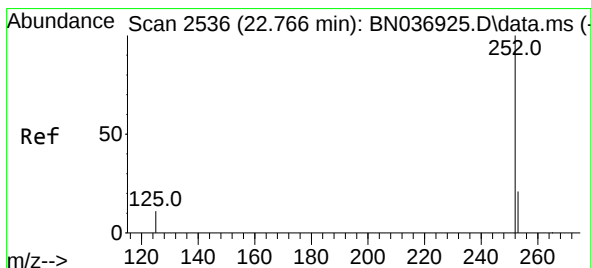
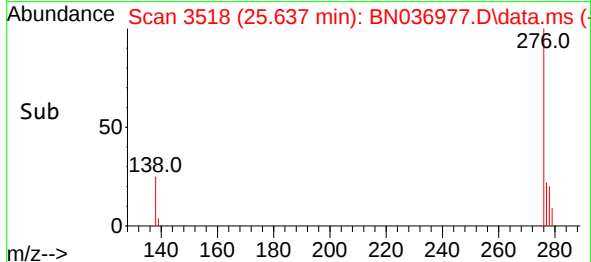
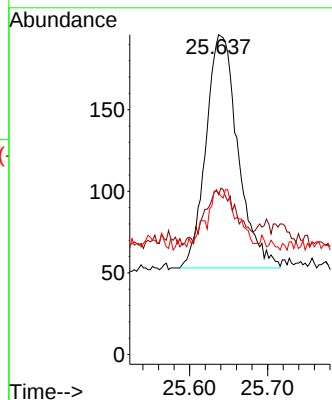
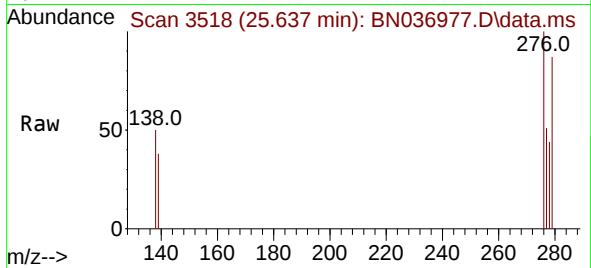




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.022 ng
RT: 25.637 min Scan# 3518
Delta R.T. -0.009 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

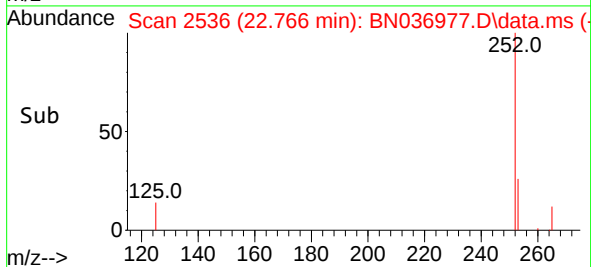
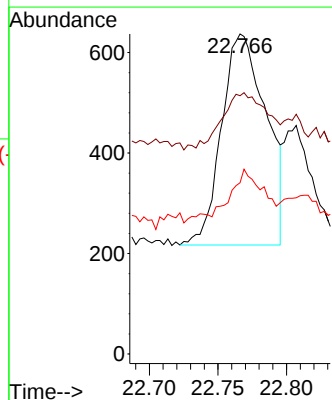
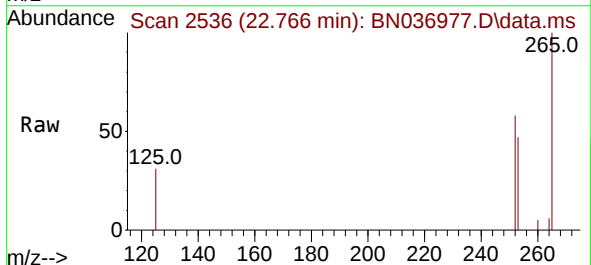
Instrument :
BNA_N
ClientSampleId :
GB1B

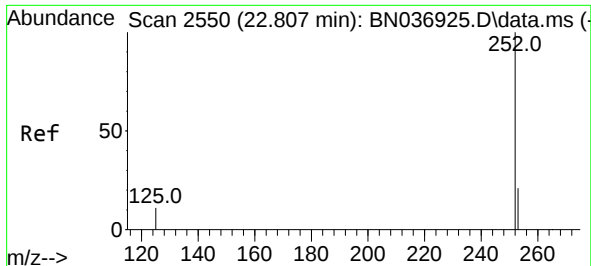
Tgt Ion:276 Resp: 409
Ion Ratio Lower Upper
276 100
138 22.2 23.0 34.6#
277 5.6 20.0 30.0#



#37
Benzo(b)fluoranthene
Concen: 0.049 ng
RT: 22.766 min Scan# 2536
Delta R.T. -0.000 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

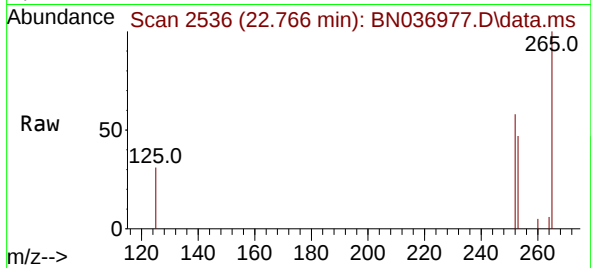
Tgt Ion:252 Resp: 948
Ion Ratio Lower Upper
252 100
253 80.7 22.1 33.1#
125 53.5 14.2 21.2#



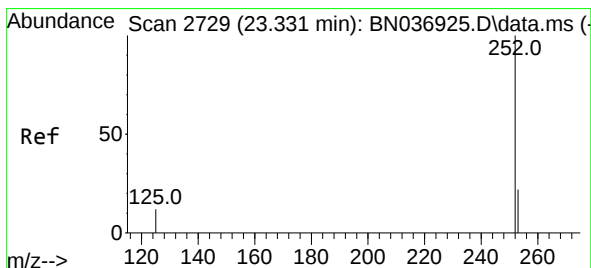
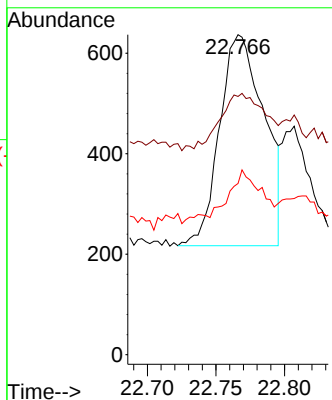


#38
Benzo(k)fluoranthene
Concen: 0.048 ng
RT: 22.766 min Scan# 21
Delta R.T. -0.041 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

Instrument :
BNA_N
ClientSampleId :
GB1B

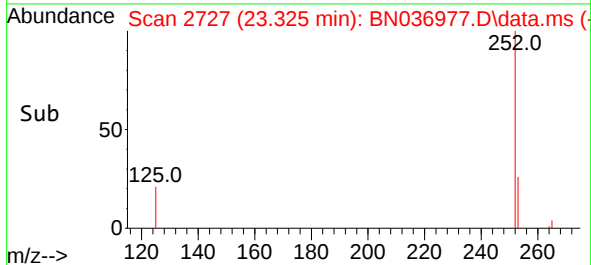
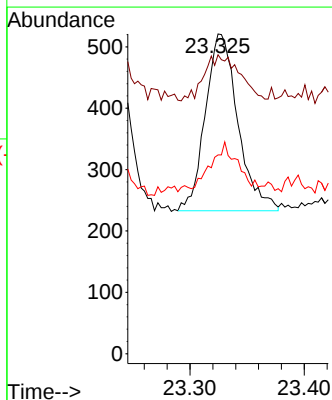
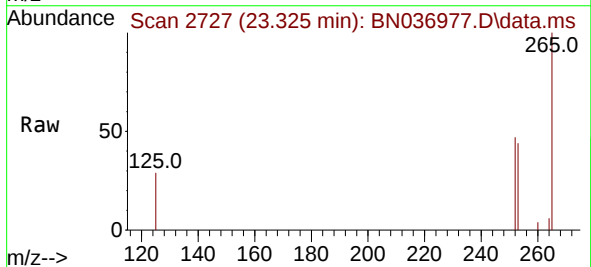


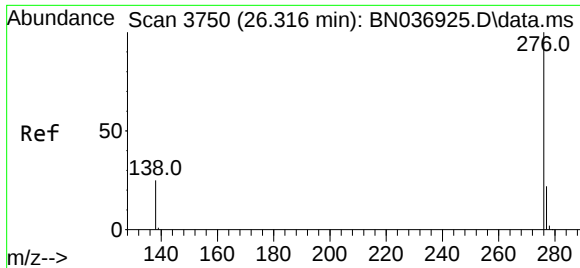
Tgt Ion:252 Resp: 948
Ion Ratio Lower Upper
252 100
253 80.7 22.8 34.2#
125 53.5 14.2 21.2#



#39
Benzo(a)pyrene
Concen: 0.036 ng
RT: 23.325 min Scan# 2727
Delta R.T. -0.006 min
Lab File: BN036977.D
Acq: 08 May 2025 17:29

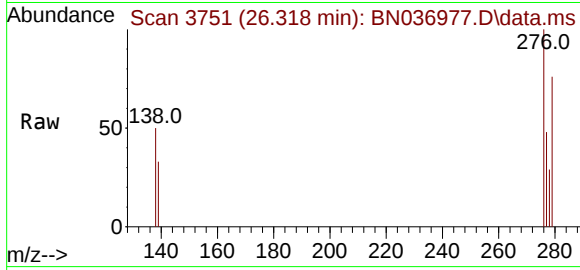
Tgt Ion:252 Resp: 571
Ion Ratio Lower Upper
252 100
253 93.5 25.9 38.9#
125 62.2 17.4 26.0#





#41
 Benzo(g,h,i)perylene
 Concen: 0.028 ng
 RT: 26.318 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: BN036977.D
 Acq: 08 May 2025 17:29

Instrument :
 BNA_N
 ClientSampleId :
 GB1B



Tgt Ion:	276	Resp:	462
Ion	Ratio	Lower	Upper
276	100		
277	47.8	20.2	30.2#
138	50.2	21.9	32.9#

