

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031425\
 Data File : BN036605.D
 Acq On : 14 Mar 2025 13:05
 Operator : RC/JU
 Sample : Q1502-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Quant Time: Mar 14 13:31:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

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

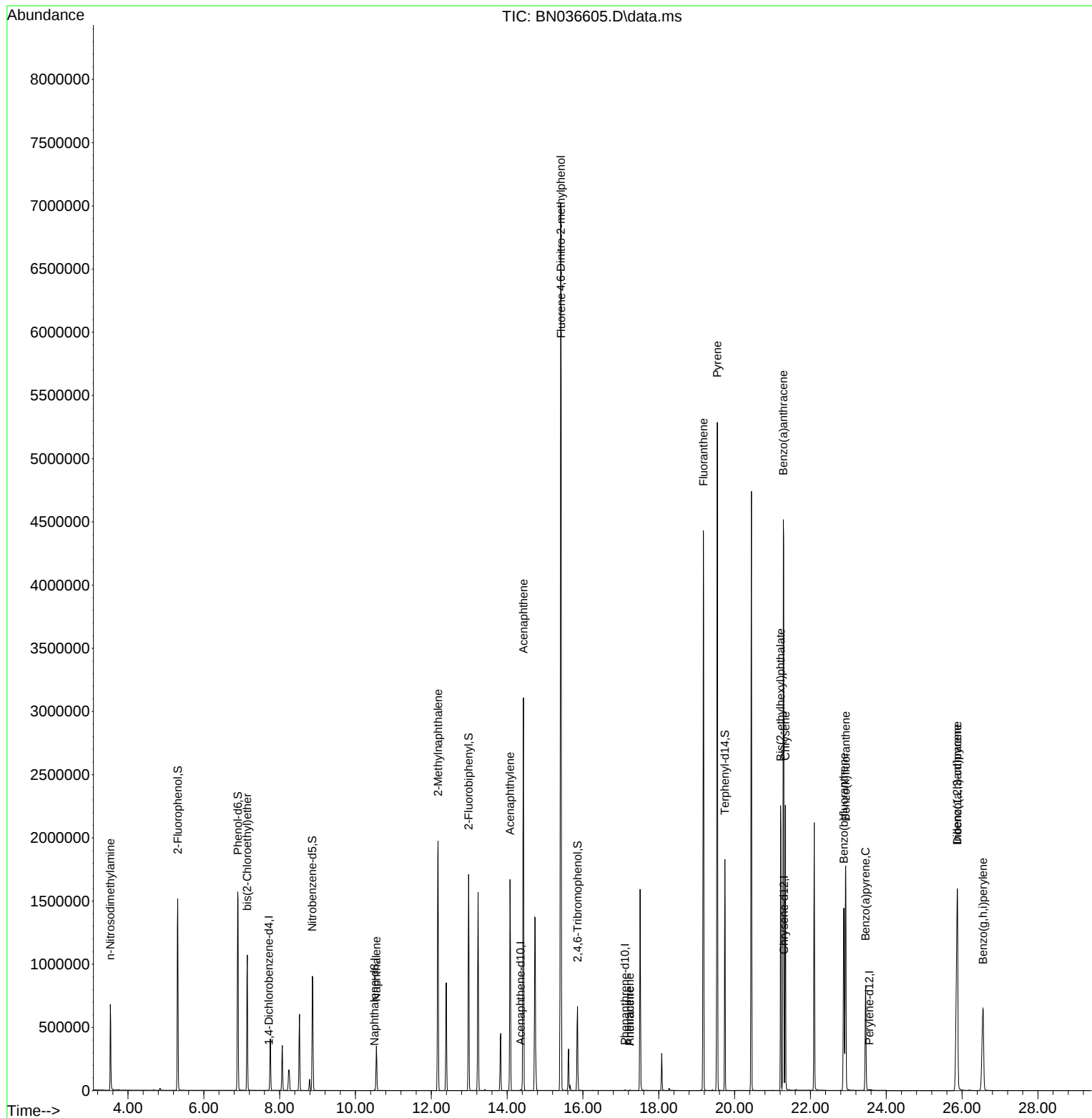
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2249	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5224	0.400	ng	-0.01
13) Acenaphthene-d10	14.356	164	3378	0.400	ng	-0.01
19) Phenanthrene-d10	17.111	188	6930	0.400	ng	0.00
29) Chrysene-d12	21.304	240	5465	0.400	ng	# 0.00
35) Perylene-d12	23.551	264	3927	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	960302	183.219	ng	0.00
5) Phenol-d6	6.901	99	1179198	182.133	ng	0.00
8) Nitrobenzene-d5	8.865	82	687070	120.901	ng	-0.01
11) 2-Methylnaphthalene-d10	12.101	152	4	0.001	ng	0.00
14) 2,4,6-Tribromophenol	15.858	330	332559	216.958	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	1940803	98.763	ng	0.00
27) Fluoranthene-d10	19.136	212	2	0.000	ng	0.00
31) Terphenyl-d14	19.745	244	1649821	126.003	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.536	42	412791	81.788	ng	# 96
6) bis(2-Chloroethyl)ether	7.147	93	646483	96.592	ng	97
9) Naphthalene	10.552	128	422642	27.505	ng	97
12) 2-Methylnaphthalene	12.177	142	1291943	132.134	ng	99
16) Acenaphthylene	14.078	152	1652482	103.663	ng	100
17) Acenaphthene	14.430	154	1483616	142.179	ng	94
18) Fluorene	15.425	166	3001675	212.641	ng	97
20) 4,6-Dinitro-2-methylph...	15.414	198	44	0.171	ng	# 1
25) Phenanthrene	17.235	178	1477	0.071	ng	98
26) Anthracene	17.235	178	1527	0.081	ng	98
28) Fluoranthene	19.178	202	3922212	167.957	ng	98
30) Pyrene	19.545	202	4806077	179.861	ng	99
32) Benzo(a)anthracene	21.286	228	4191040	220.548	ng	99
33) Chrysene	21.340	228	1567201	75.477	ng	99
34) Bis(2-ethylhexyl)phtha...	21.214	149	2092879	154.673	ng	# 98
36) Indeno(1,2,3-cd)pyrene	25.873	276	605501	42.721	ng	# 64
37) Benzo(b)fluoranthene	22.882	252	1841439	128.851	ng	# 82
38) Benzo(k)fluoranthene	22.932	252	2163880	144.318	ng	# 81
39) Benzo(a)pyrene	23.455	252	1122554	93.275	ng	# 75
40) Dibenzo(a,h)anthracene	25.876	278	2478411	224.609	ng	# 82
41) Benzo(g,h,i)perylene	26.554	276	1383550	109.603	ng	92

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

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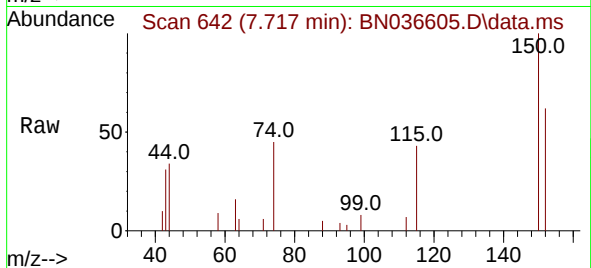
Quant Time: Mar 14 13:31:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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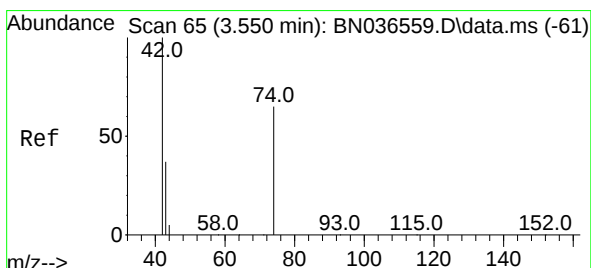
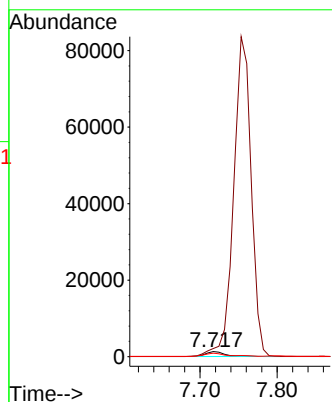
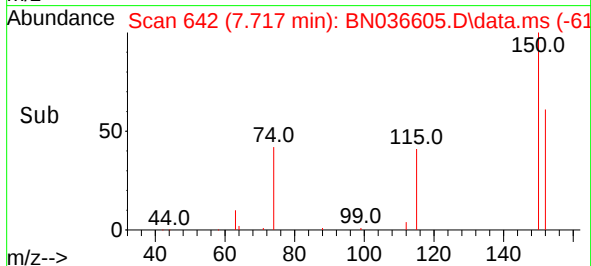


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

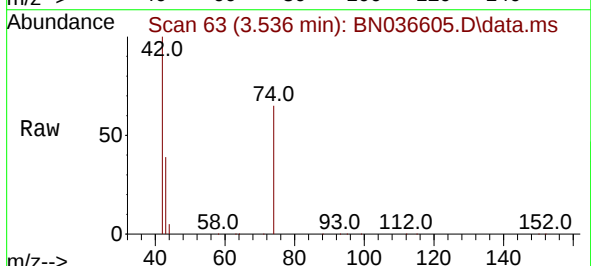
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BNA_N
ClientSampleId :
PT-BN-WP



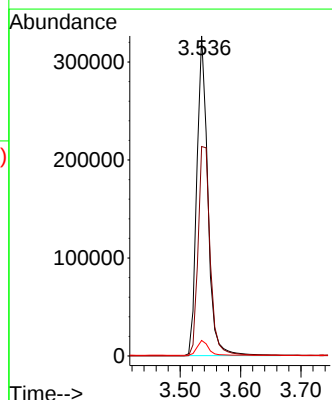
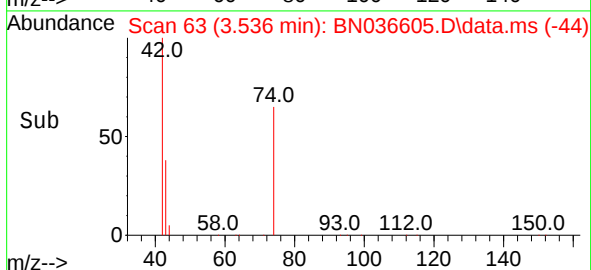
Tgt Ion:152 Resp: 2249
Ion Ratio Lower Upper
152 100
150 161.1 123.7 185.5
115 69.1 54.3 81.5

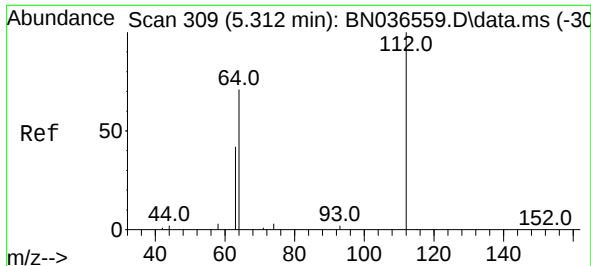


#3
n-Nitrosodimethylamine
Concen: 81.788 ng
RT: 3.536 min Scan# 63
Delta R.T. -0.014 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05



Tgt Ion: 42 Resp: 412791
Ion Ratio Lower Upper
42 100
74 72.3 60.6 90.8
44 4.7 6.3 9.5#

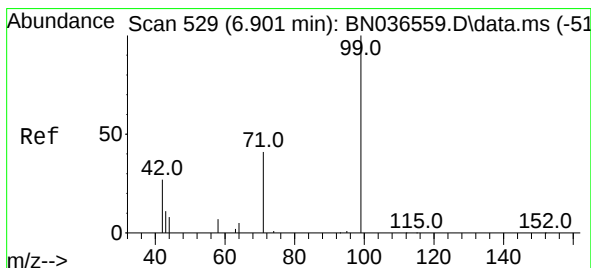
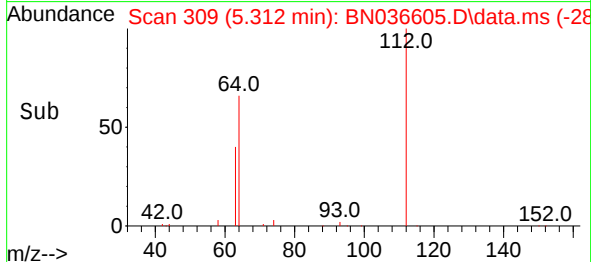
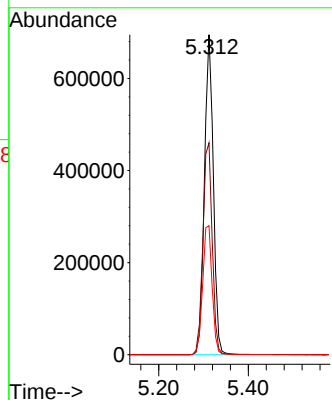
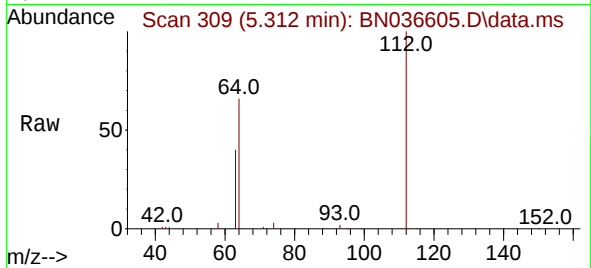




#4
2-Fluorophenol
Concen: 183.219 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

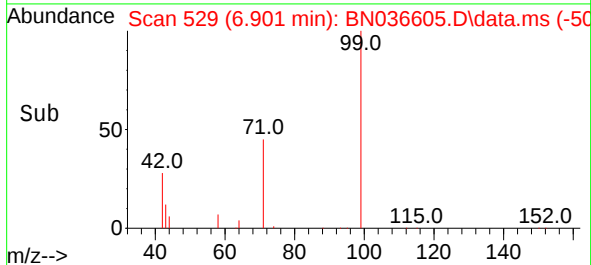
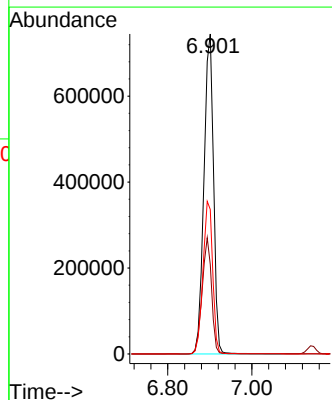
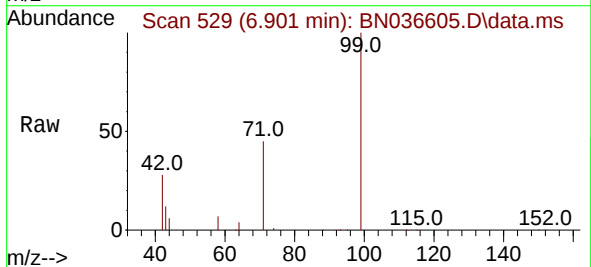
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

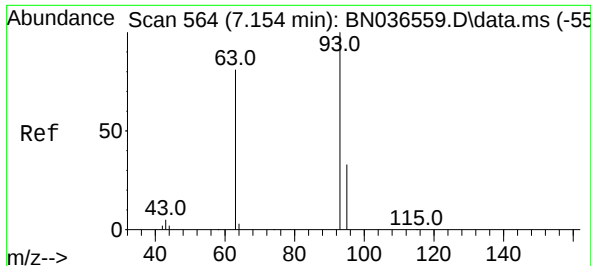
Tgt Ion:112 Resp: 960302
Ion Ratio Lower Upper
112 100
64 69.7 53.1 79.7
63 43.2 31.8 47.8



#5
Phenol-d6
Concen: 182.133 ng
RT: 6.901 min Scan# 529
Delta R.T. 0.000 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion: 99 Resp: 1179198
Ion Ratio Lower Upper
99 100
42 35.5 26.5 39.7
71 48.3 34.1 51.1

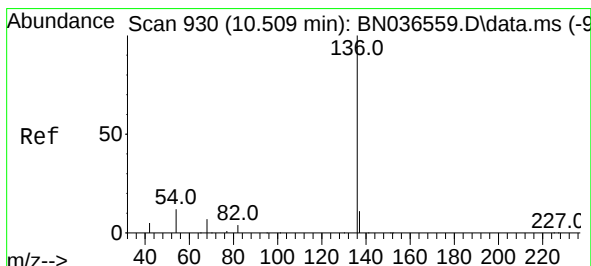
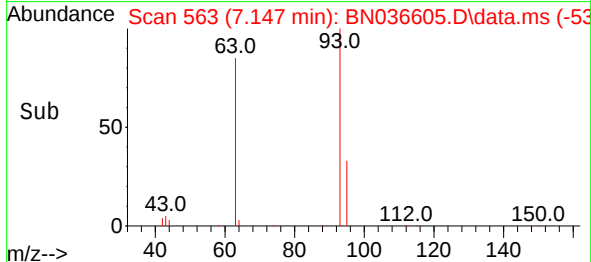
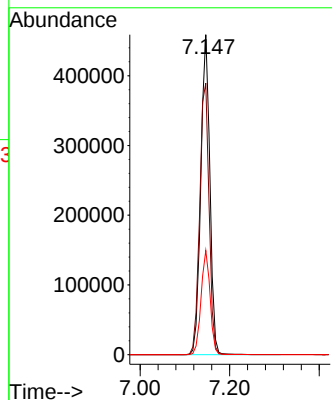
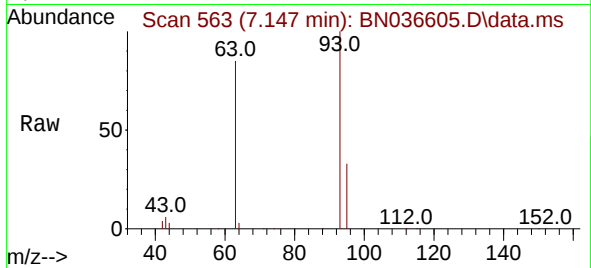




#6
bis(2-Chloroethyl)ether
Concen: 96.592 ng
RT: 7.147 min Scan# 564
Delta R.T. -0.007 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

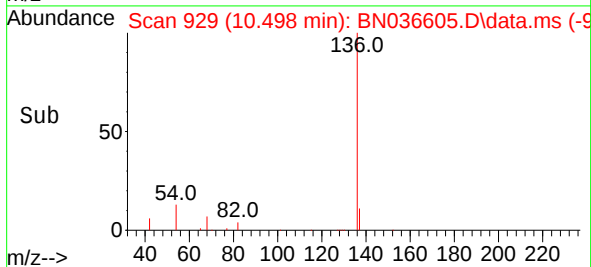
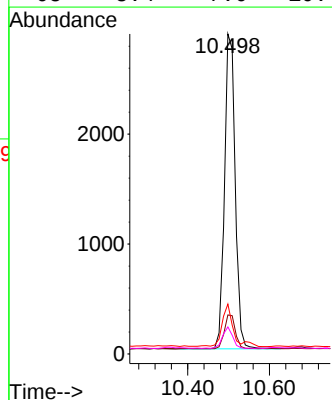
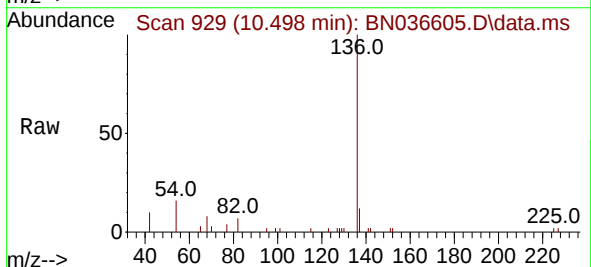
Instrument :
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ClientSampleId :
PT-BN-WP

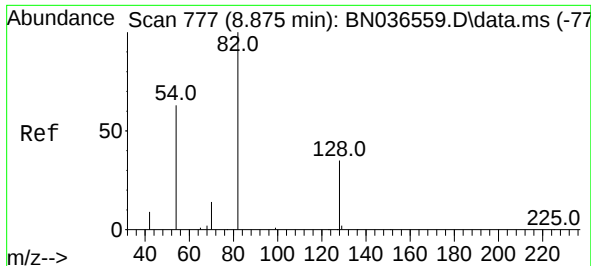
Tgt Ion: 93 Resp: 646483
Ion Ratio Lower Upper
93 100
63 88.3 67.7 101.5
95 32.5 25.6 38.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. -0.011 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion: 136 Resp: 5224
Ion Ratio Lower Upper
136 100
137 12.2 10.3 15.5
54 15.6 11.5 17.3
68 8.4 7.0 10.4

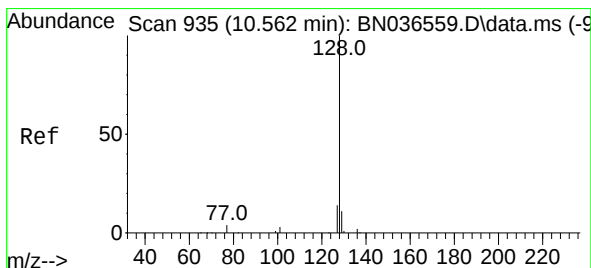
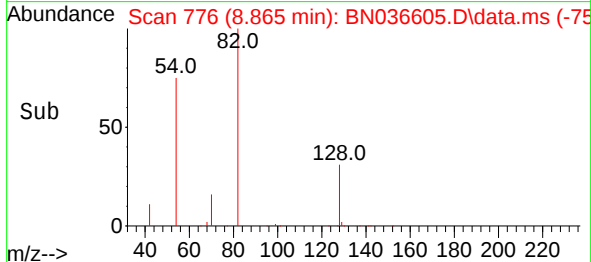
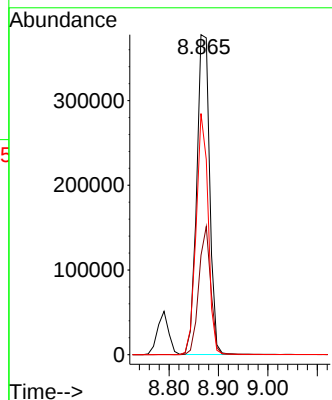
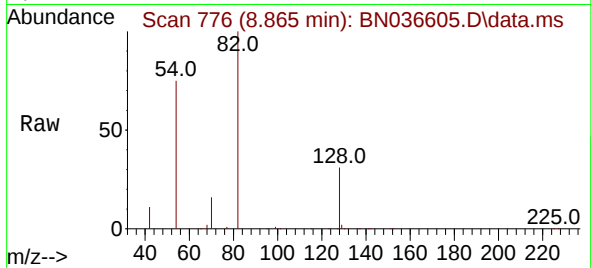




#8
 Nitrobenzene-d5
 Concen: 120.901 ng
 RT: 8.865 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

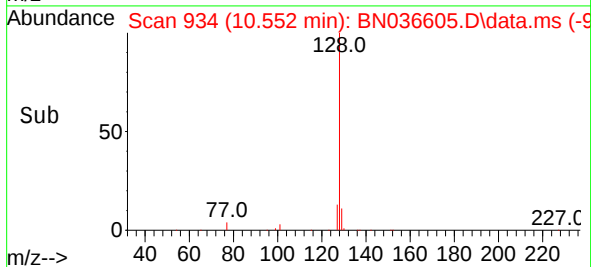
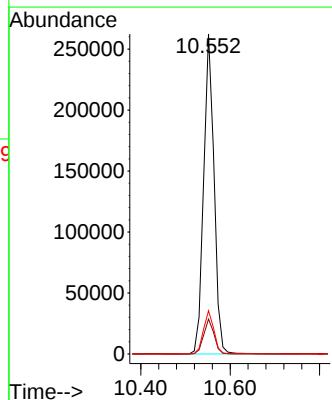
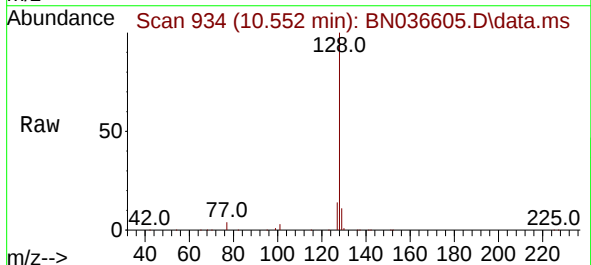
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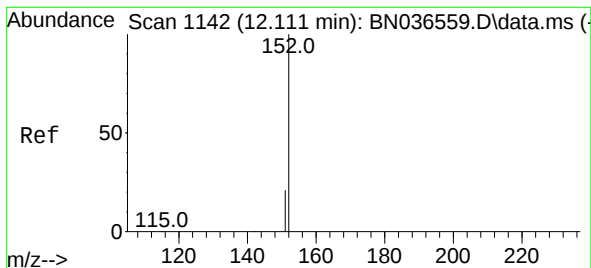
Tgt Ion: 82 Resp: 687070
 Ion Ratio Lower Upper
 82 100
 128 31.1 30.6 45.8
 54 75.4 52.2 78.4



#9
 Naphthalene
 Concen: 27.505 ng
 RT: 10.552 min Scan# 934
 Delta R.T. -0.011 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

Tgt Ion: 128 Resp: 422642
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.8 14.6
 127 13.5 11.8 17.8

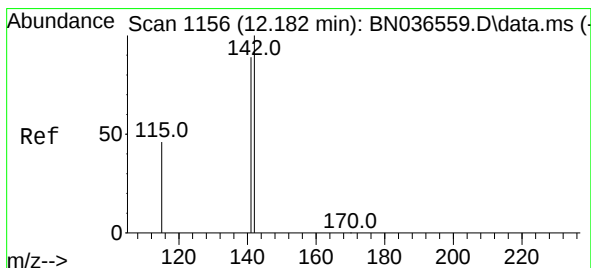
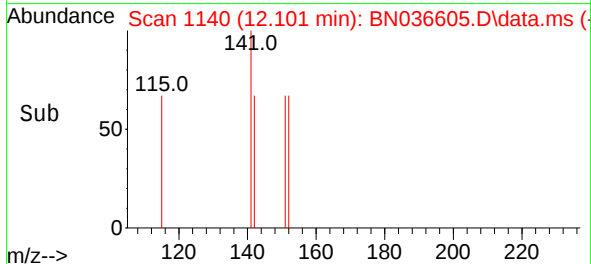
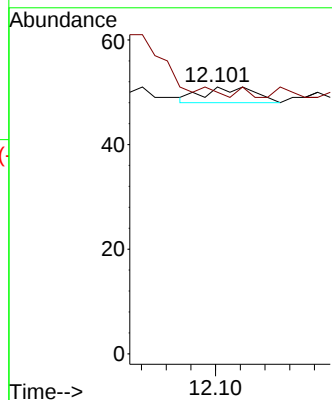
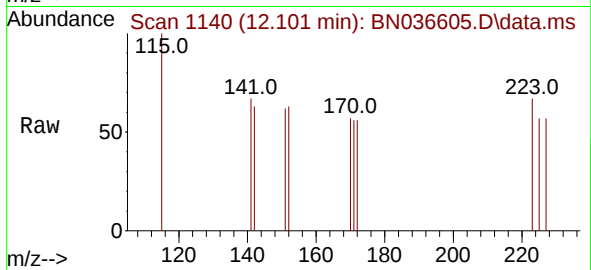




#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.101 min Scan# 1142
Delta R.T. -0.010 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

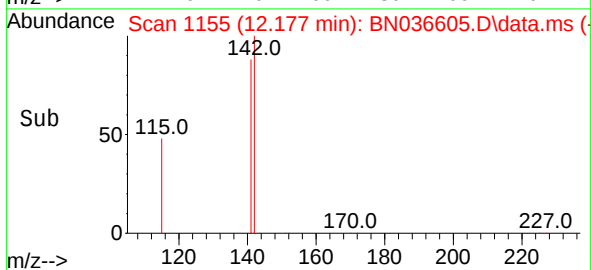
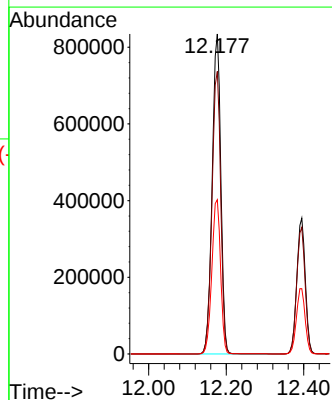
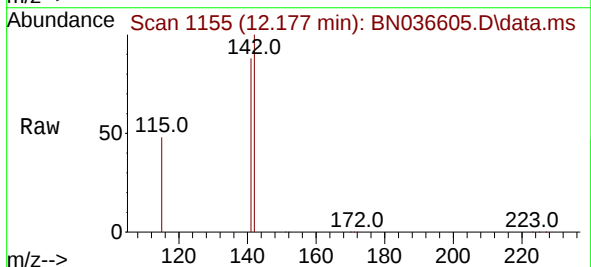
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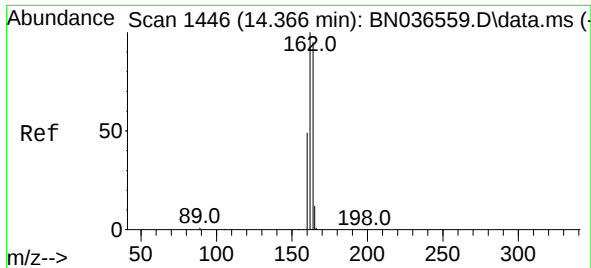
Tgt Ion:152 Resp: 4
Ion Ratio Lower Upper
152 100
151 0.0 17.0 25.6#



#12
2-Methylnaphthalene
Concen: 132.134 ng
RT: 12.177 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion:142 Resp: 1291943
Ion Ratio Lower Upper
142 100
141 88.3 71.7 107.5
115 48.2 38.3 57.5

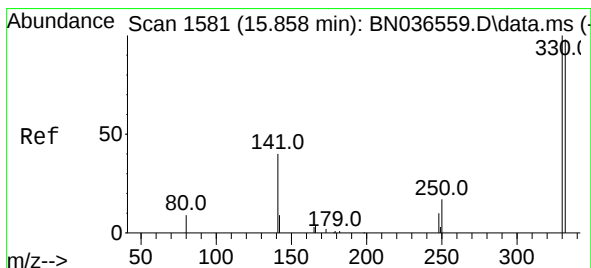
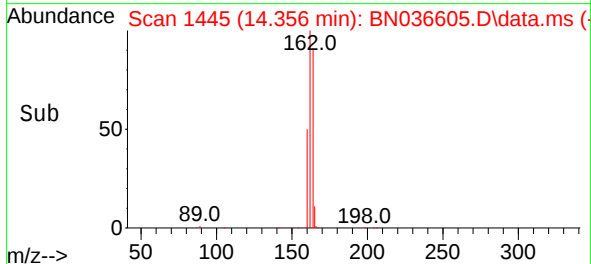
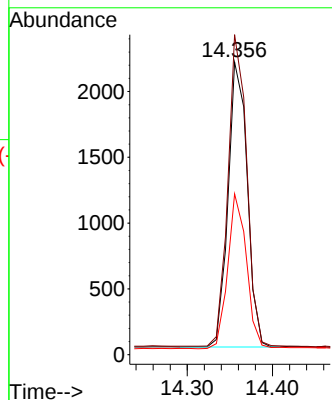
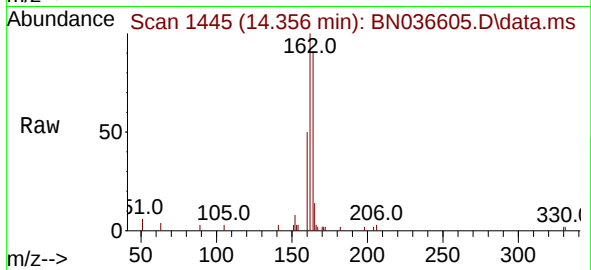




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

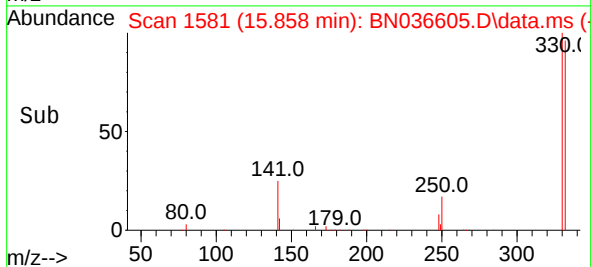
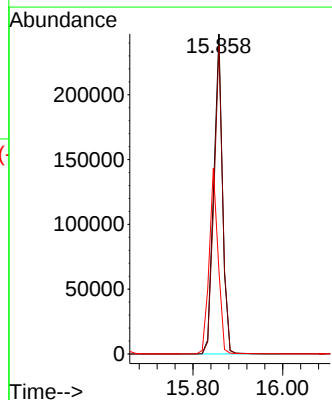
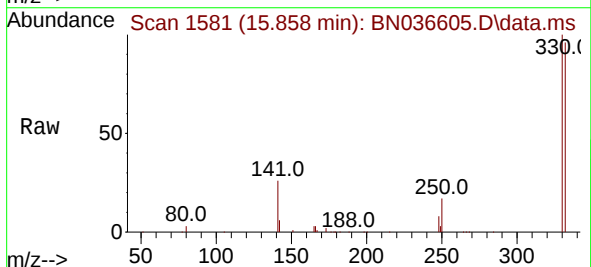
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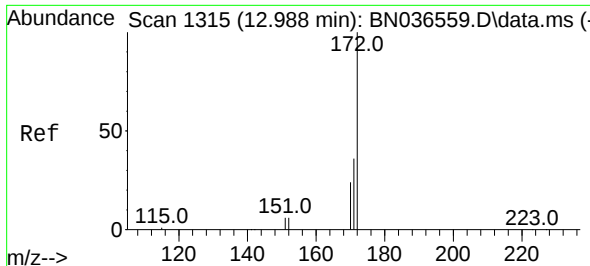
Tgt Ion:164 Resp: 3378
Ion Ratio Lower Upper
164 100
162 109.4 84.2 126.2
160 55.0 42.2 63.2



#14
2,4,6-Tribromophenol
Concen: 216.958 ng
RT: 15.858 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion:330 Resp: 332559
Ion Ratio Lower Upper
330 100
332 95.7 75.2 112.8
141 59.4 43.4 65.2





#15

2-Fluorobiphenyl

Concen: 98.763 ng

RT: 12.983 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

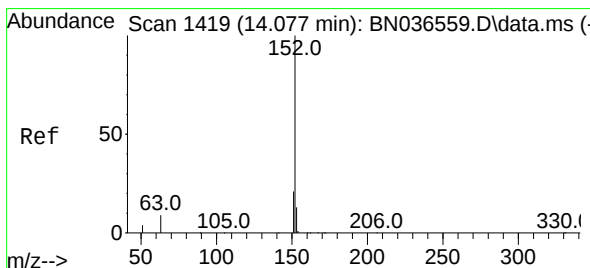
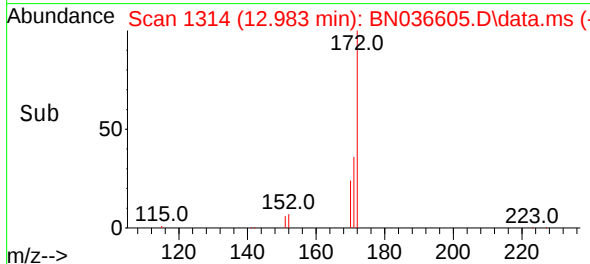
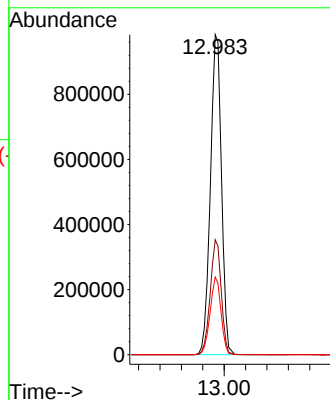
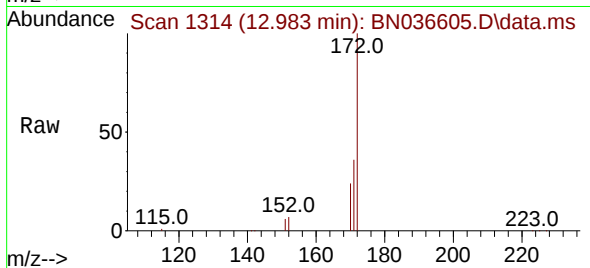
Tgt Ion:172 Resp: 1940803

Ion Ratio Lower Upper

172 100

171 35.9 29.5 44.3

170 24.3 20.2 30.4



#16

Acenaphthylene

Concen: 103.663 ng

RT: 14.078 min Scan# 1419

Delta R.T. 0.000 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

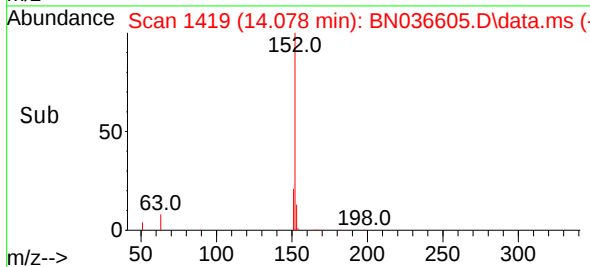
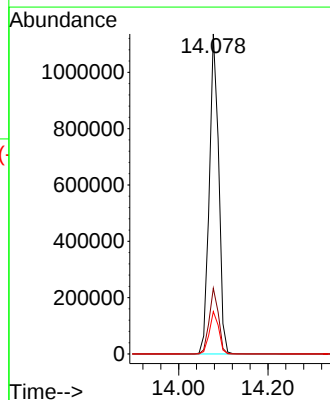
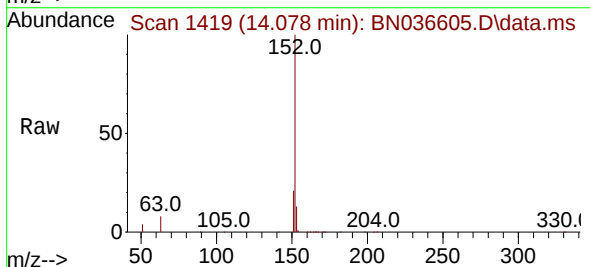
Tgt Ion:152 Resp: 1652482

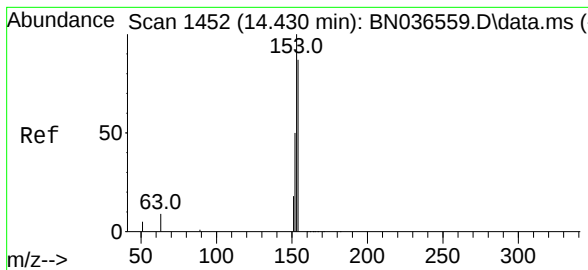
Ion Ratio Lower Upper

152 100

151 20.4 16.2 24.4

153 13.2 10.6 15.8





#17

Acenaphthene

Concen: 142.179 ng

RT: 14.430 min Scan# 1452

Delta R.T. 0.000 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

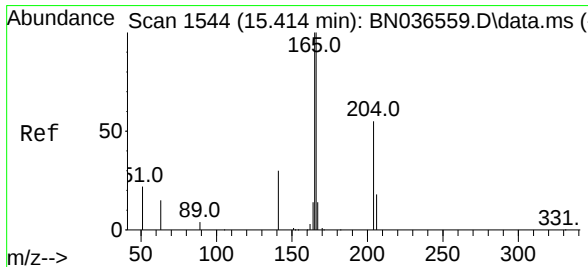
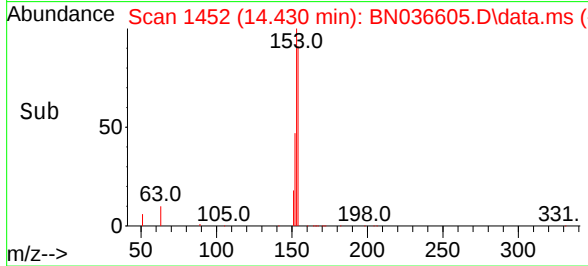
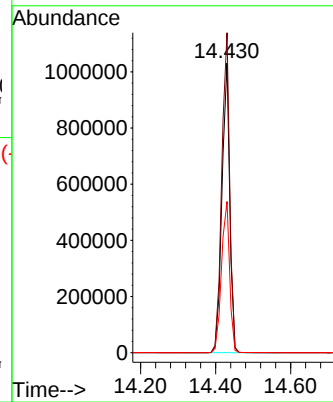
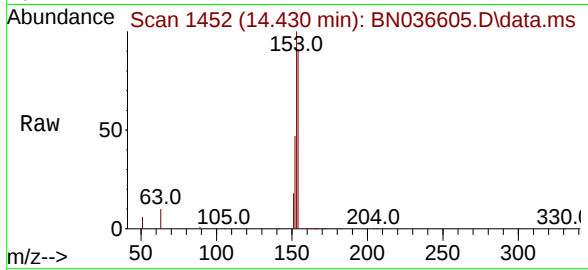
Tgt Ion:154 Resp: 1483616

Ion Ratio Lower Upper

154 100

153 113.1 94.1 141.1

152 54.7 49.8 74.6



#18

Fluorene

Concen: 212.641 ng

RT: 15.425 min Scan# 1545

Delta R.T. 0.011 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

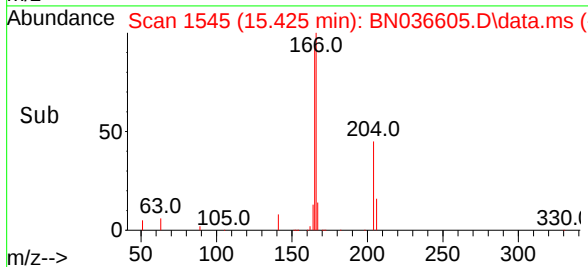
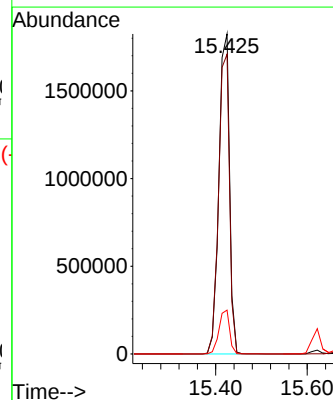
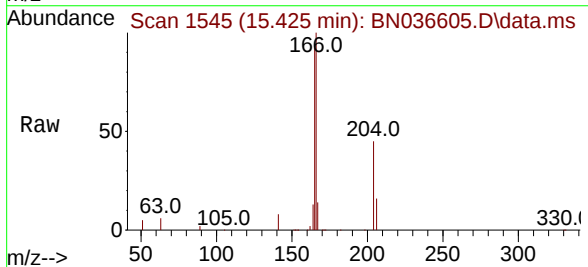
Tgt Ion:166 Resp: 3001675

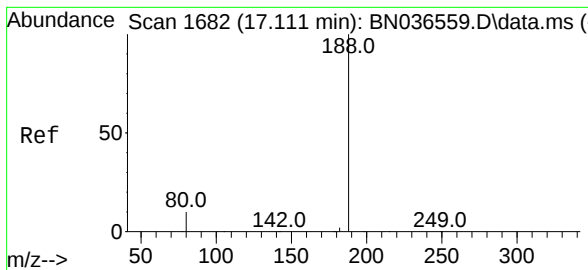
Ion Ratio Lower Upper

166 100

165 96.1 79.8 119.8

167 13.6 10.6 15.8

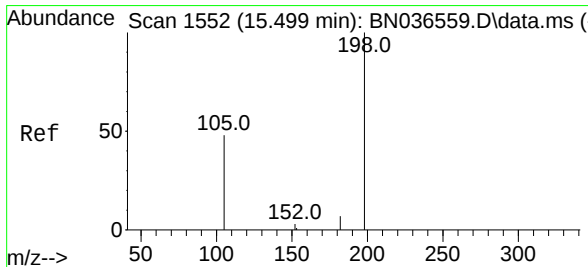
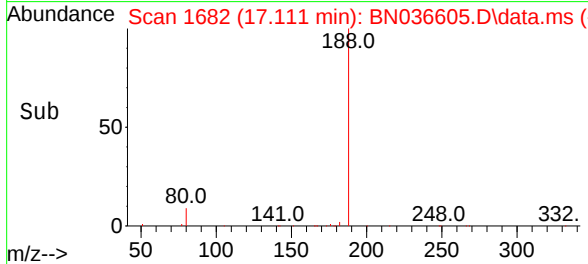
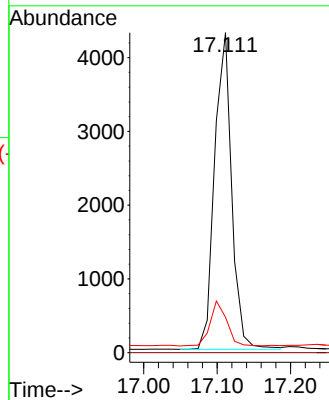
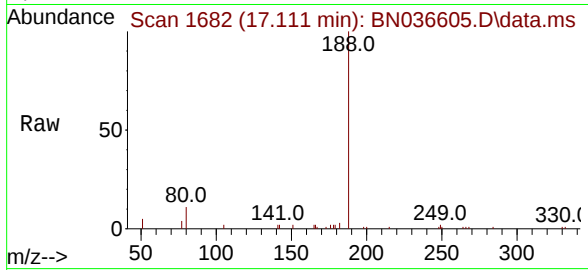




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.111 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

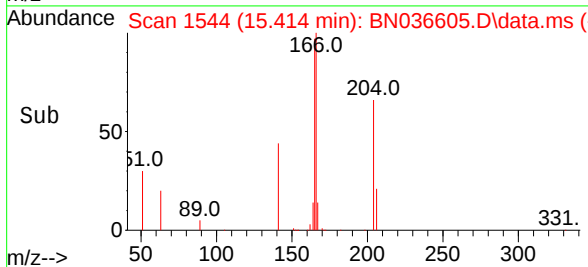
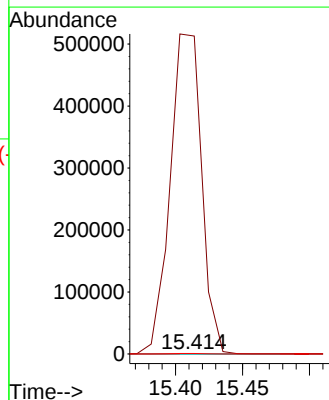
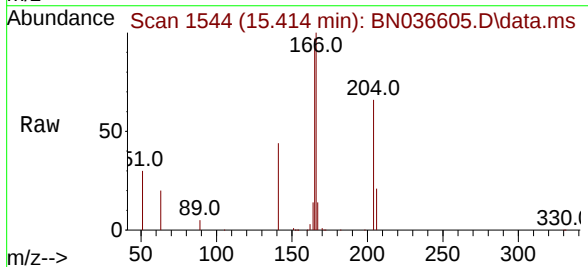
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

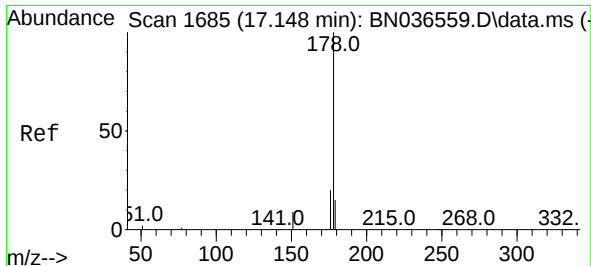
Tgt Ion:188 Resp: 6930
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.1 8.8 13.2



#20
4,6-Dinitro-2-methylphenol
Concen: 0.171 ng
RT: 15.414 min Scan# 1544
Delta R.T. -0.085 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion:198 Resp: 44
Ion Ratio Lower Upper
198 100
51 641280.0 107.9 161.9#
105 1118.8 56.2 84.2#





#25

Phenanthrene

Concen: 0.071 ng

RT: 17.235 min Scan# 1692

Delta R.T. 0.087 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

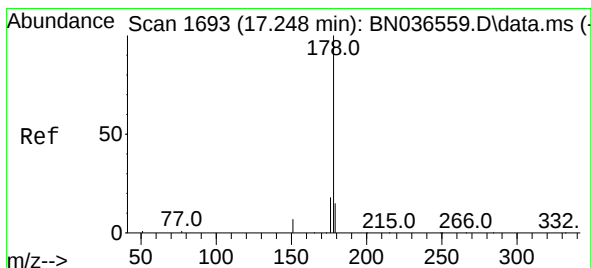
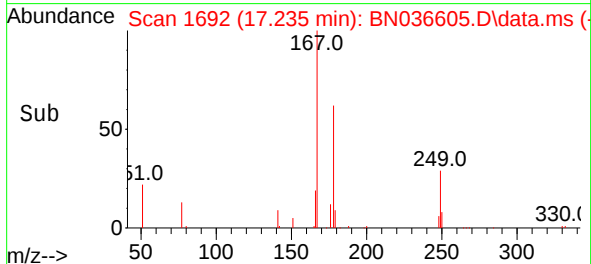
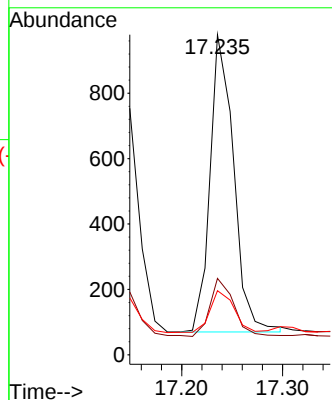
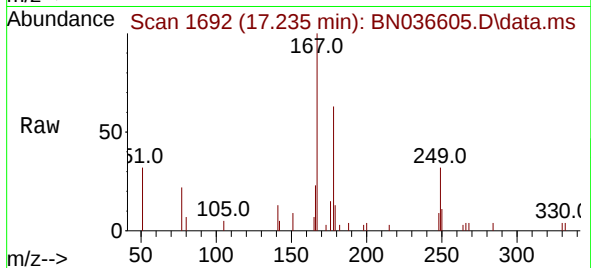
Tgt Ion:178 Resp: 1477

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

179 14.4 12.2 18.4



#26

Anthracene

Concen: 0.081 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.012 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

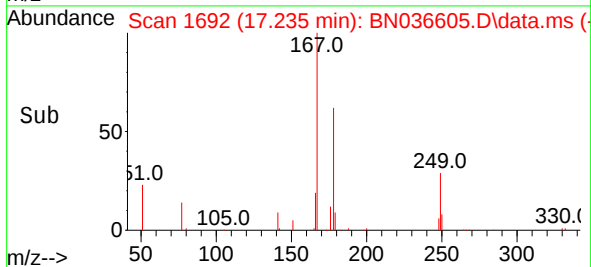
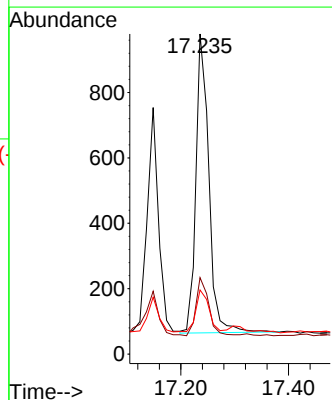
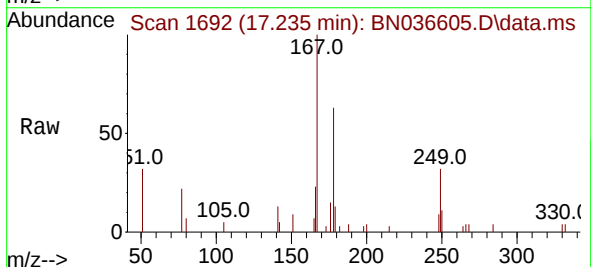
Tgt Ion:178 Resp: 1527

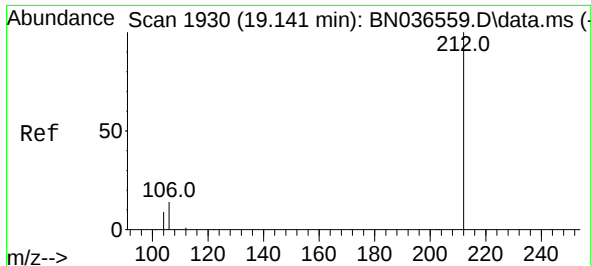
Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

179 15.3 12.6 18.8

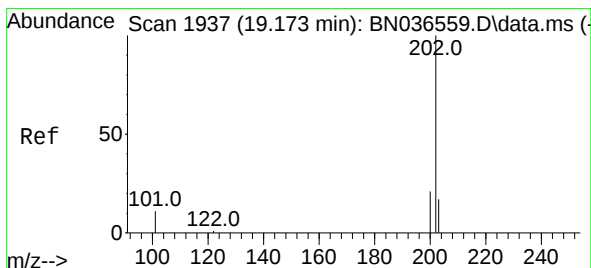
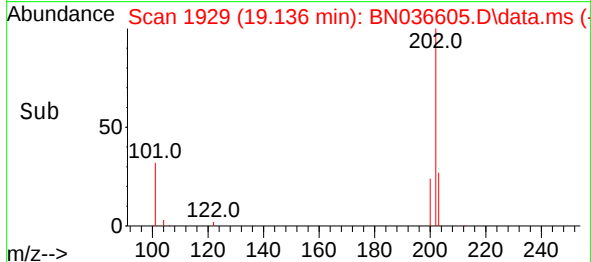
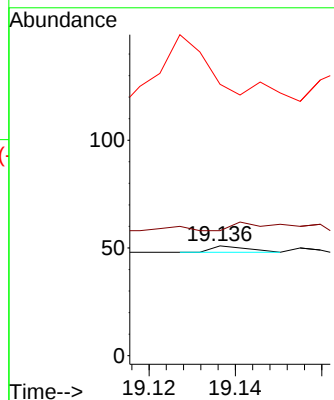
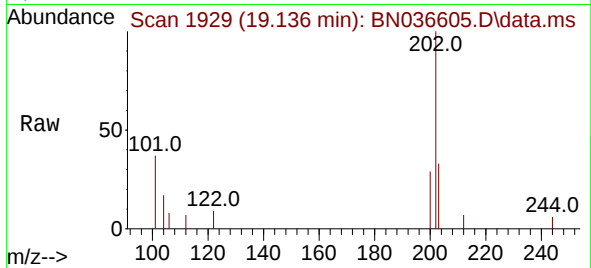




#27
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.136 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

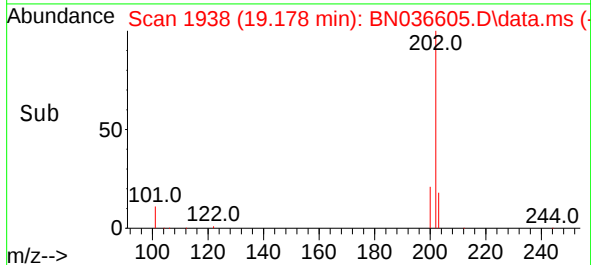
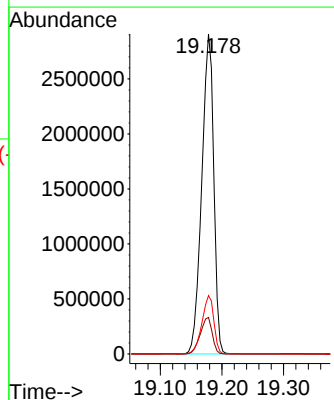
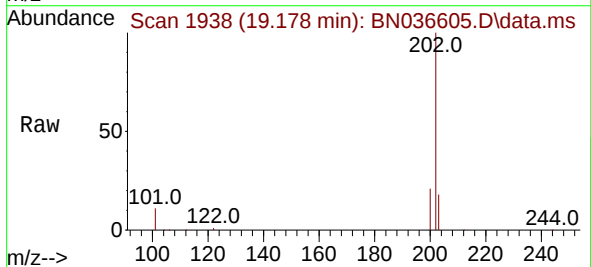
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

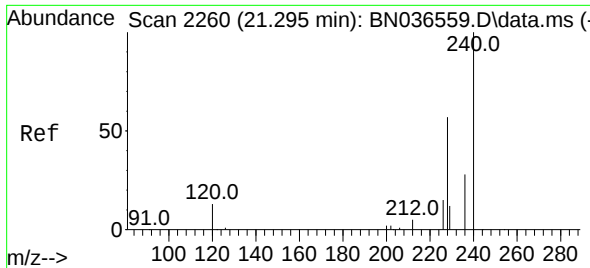
Tgt Ion:212 Resp: 2
Ion Ratio Lower Upper
212 100
106 450.0 11.8 17.6#
104 0.0 7.3 10.9#



#28
Fluoranthene
Concen: 167.957 ng
RT: 19.178 min Scan# 1938
Delta R.T. 0.005 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion:202 Resp: 3922212
Ion Ratio Lower Upper
202 100
101 11.4 9.4 14.0
203 18.1 13.5 20.3

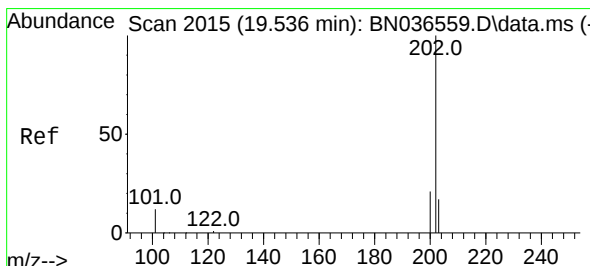
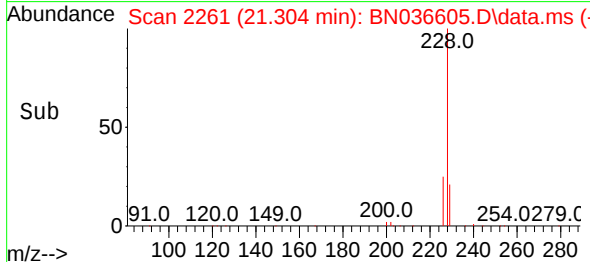
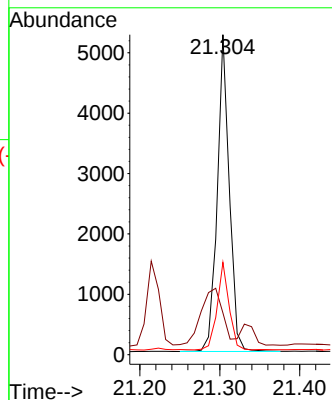
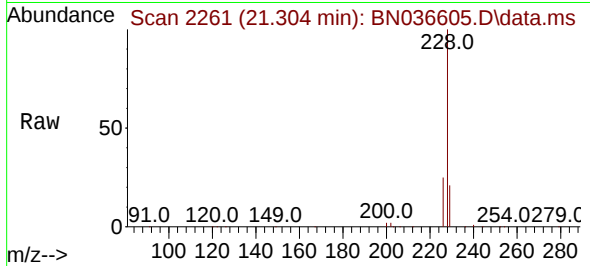




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.304 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

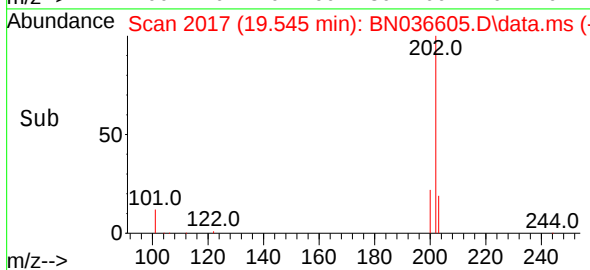
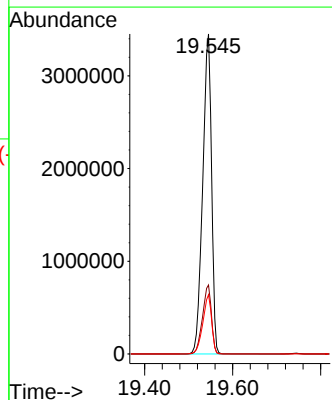
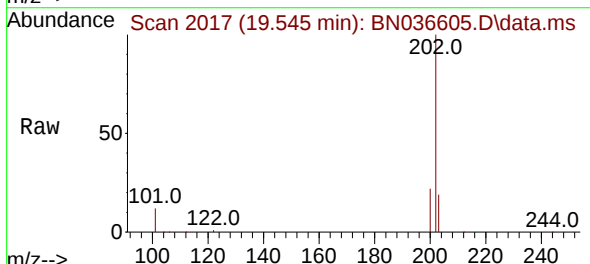
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

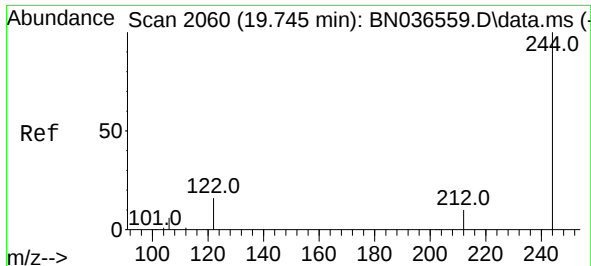
Tgt Ion:240 Resp: 5465
Ion Ratio Lower Upper
240 100
120 13.1 14.6 22.0#
236 28.8 24.1 36.1



#30
Pyrene
Concen: 179.861 ng
RT: 19.545 min Scan# 2017
Delta R.T. 0.009 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion:202 Resp: 4806077
Ion Ratio Lower Upper
202 100
200 21.7 17.1 25.7
203 18.4 14.1 21.1

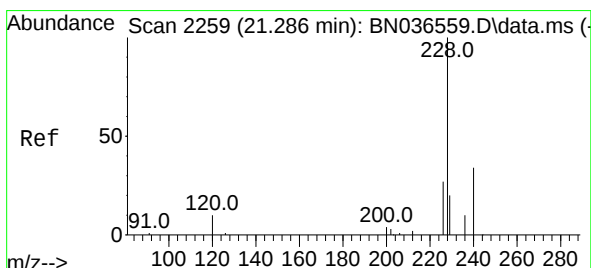
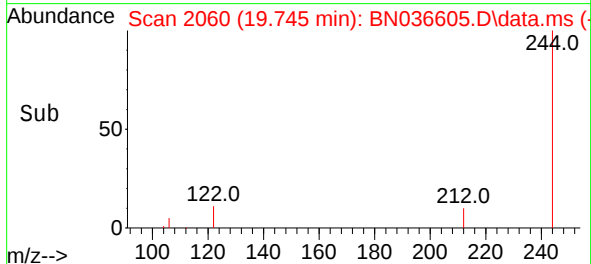
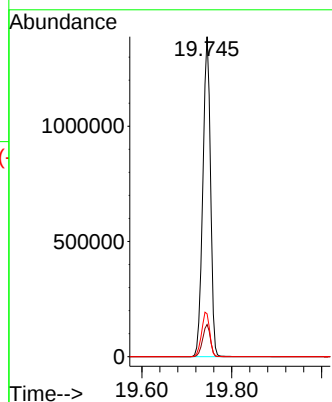
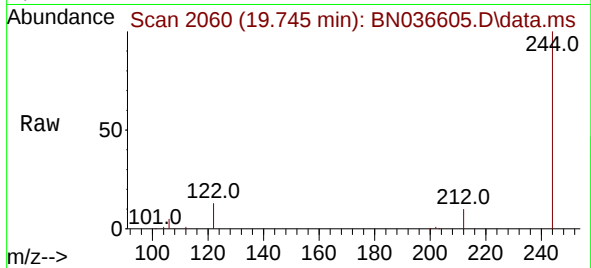




#31
 Terphenyl-d14
 Concen: 126.003 ng
 RT: 19.745 min Scan# 2060
 Delta R.T. 0.000 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

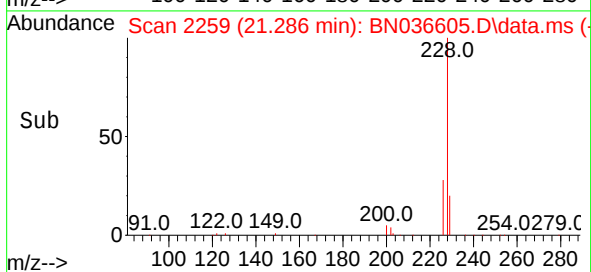
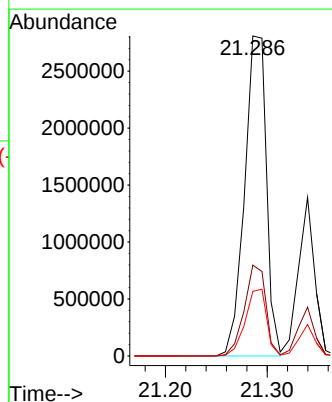
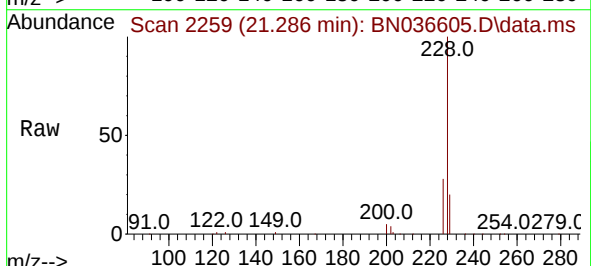
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

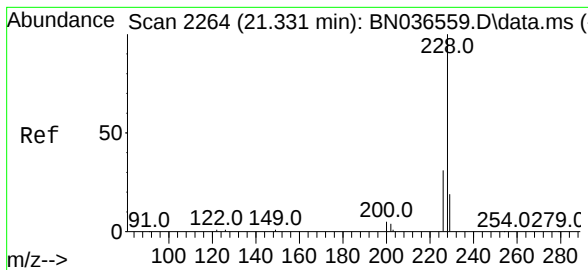
Tgt Ion:244 Resp: 1649821
 Ion Ratio Lower Upper
 244 100
 212 10.1 9.6 14.4
 122 13.4 13.9 20.9#



#32
 Benzo(a)anthracene
 Concen: 220.548 ng
 RT: 21.286 min Scan# 2259
 Delta R.T. 0.000 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

Tgt Ion:228 Resp: 4191040
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.5 33.7
 229 20.2 16.6 25.0





#33

Chrysene

Concen: 75.477 ng

RT: 21.340 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

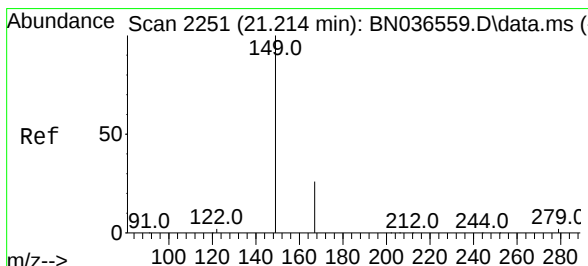
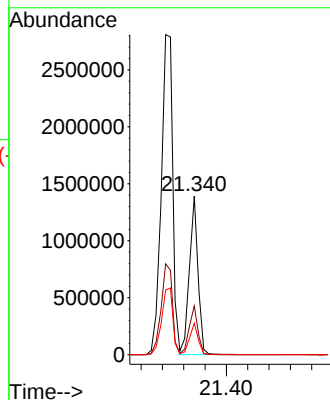
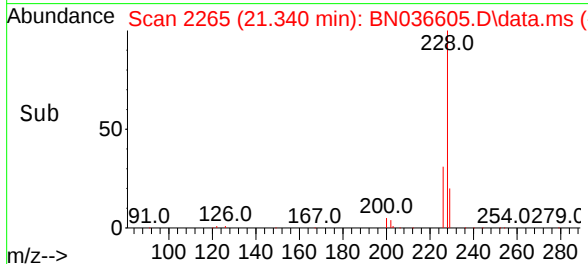
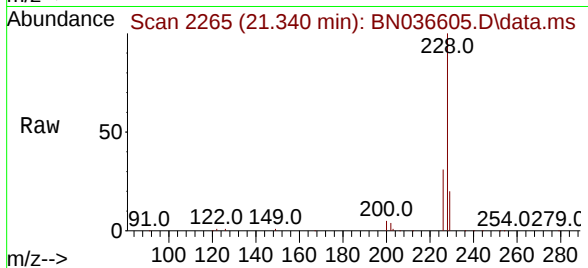
Tgt Ion:228 Resp: 1567201

Ion Ratio Lower Upper

228 100

226 30.8 25.3 37.9

229 19.9 15.8 23.8



#34

Bis(2-ethylhexyl)phthalate

Concen: 154.673 ng

RT: 21.214 min Scan# 2251

Delta R.T. 0.000 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

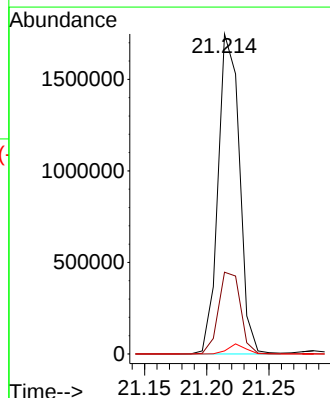
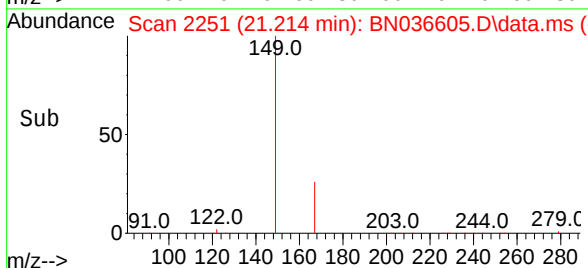
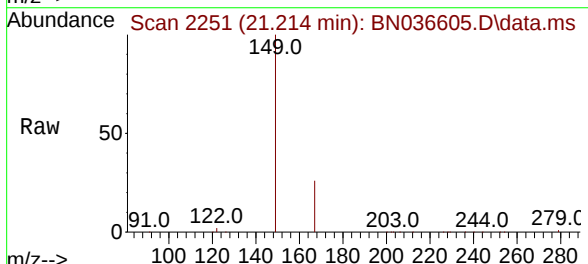
Tgt Ion:149 Resp: 2092879

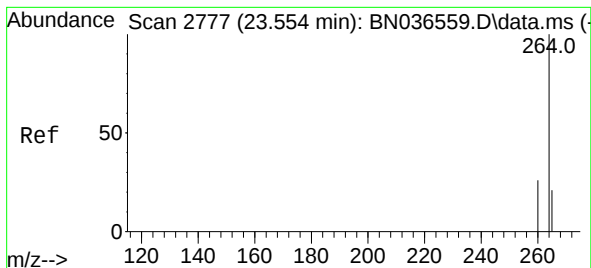
Ion Ratio Lower Upper

149 100

167 26.4 20.7 31.1

279 2.6 3.6 5.4#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.551 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036605.D

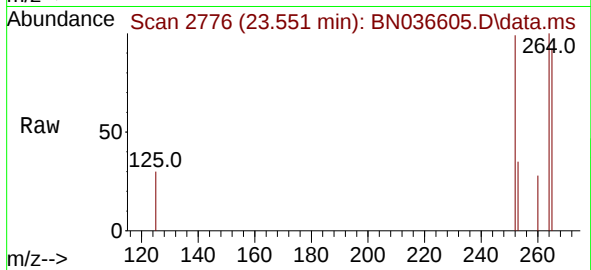
Acq: 14 Mar 2025 13:05

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP



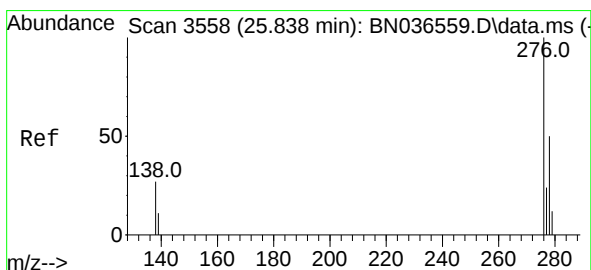
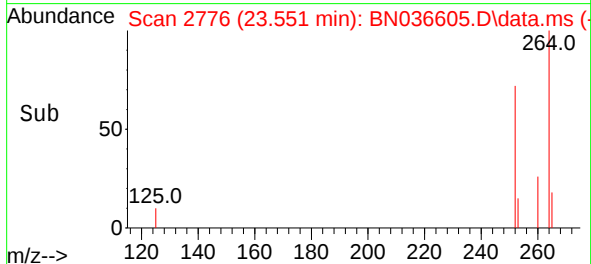
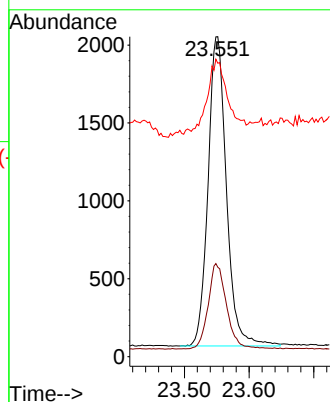
Tgt Ion:264 Resp: 3927

Ion Ratio Lower Upper

264 100

260 27.9 22.6 33.8

265 91.7 88.1 132.1



#36

Indeno(1,2,3-cd)pyrene

Concen: 42.721 ng

RT: 25.873 min Scan# 3570

Delta R.T. 0.035 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

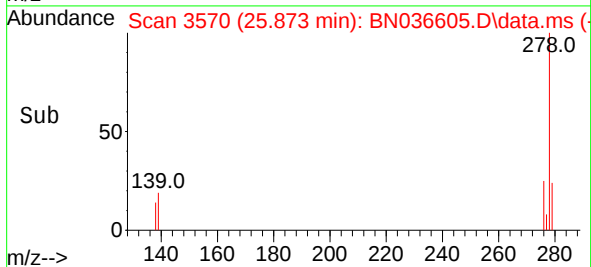
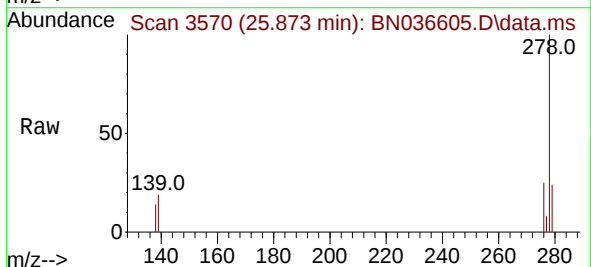
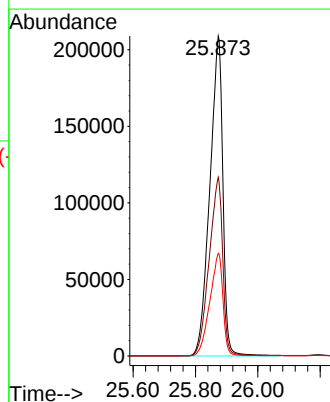
Tgt Ion:276 Resp: 605501

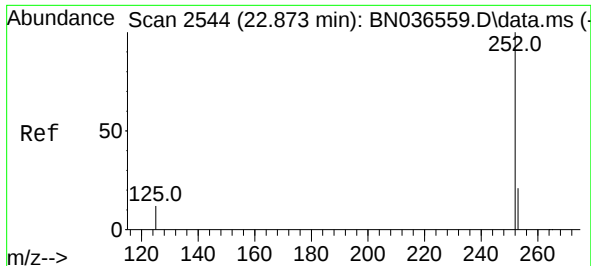
Ion Ratio Lower Upper

276 100

138 58.2 23.4 35.2#

277 32.3 20.0 30.0#

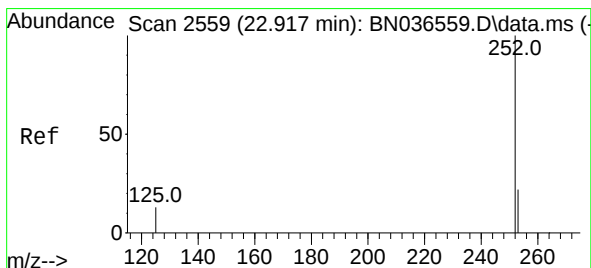
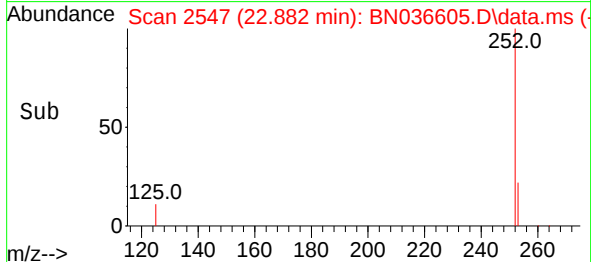
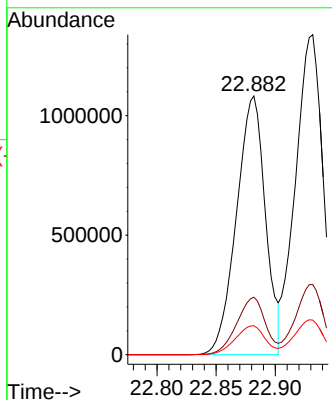
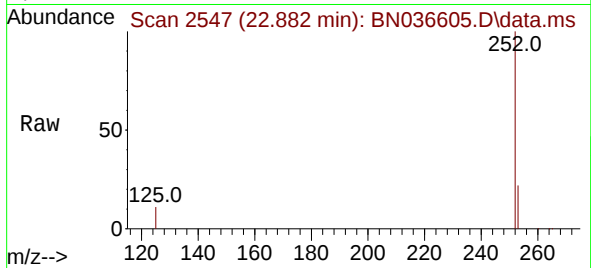




#37
Benzo(b)fluoranthene
Concen: 128.851 ng
RT: 22.882 min Scan# 2547
Delta R.T. 0.009 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

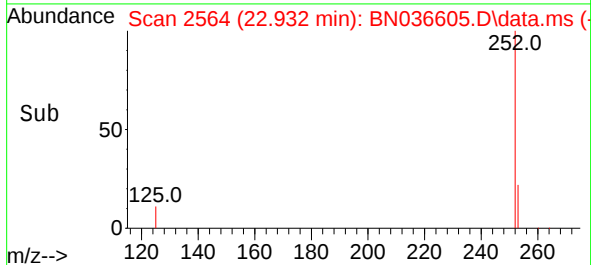
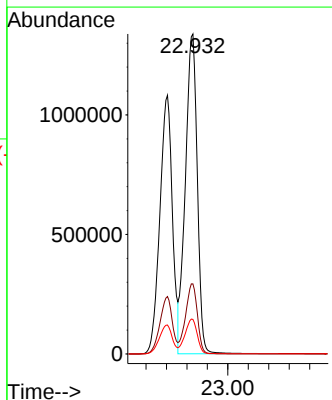
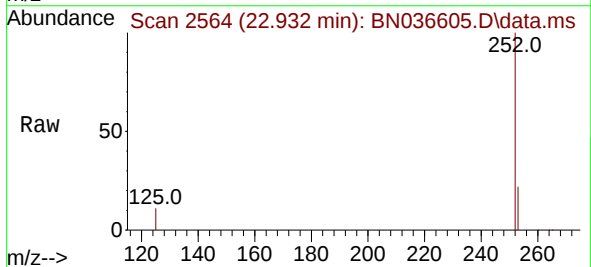
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

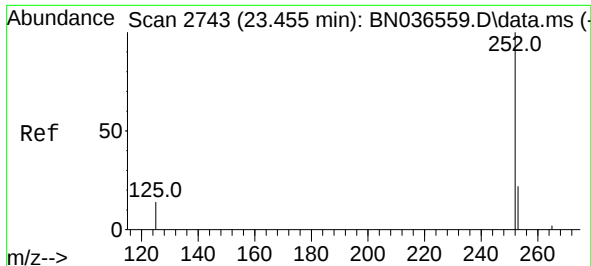
Tgt Ion:252 Resp: 1841439
Ion Ratio Lower Upper
252 100
253 22.2 23.9 35.9#
125 11.2 17.4 26.2#



#38
Benzo(k)fluoranthene
Concen: 144.318 ng
RT: 22.932 min Scan# 2564
Delta R.T. 0.015 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Tgt Ion:252 Resp: 2163880
Ion Ratio Lower Upper
252 100
253 21.9 24.6 36.8#
125 10.8 17.8 26.8#





#39

Benzo(a)pyrene

Concen: 93.275 ng

RT: 23.455 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

Instrument :

BNA_N

ClientSampleId :

PT-BN-WP

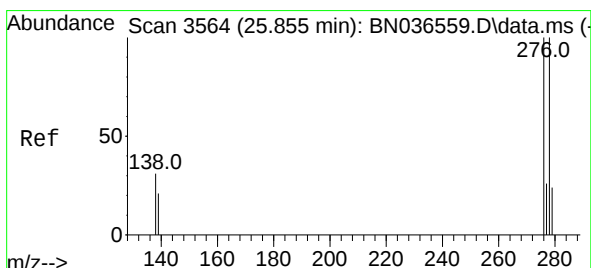
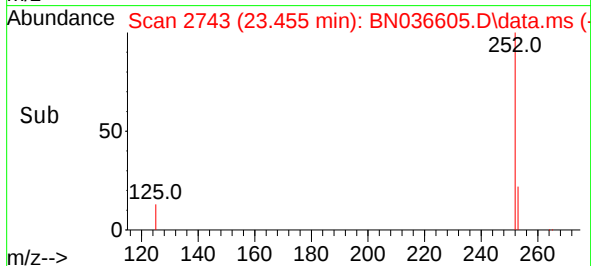
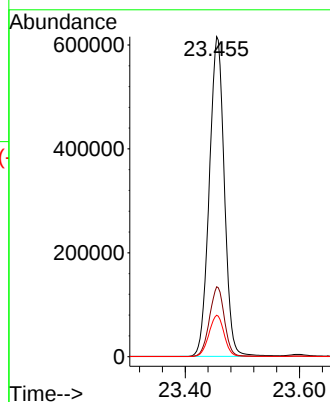
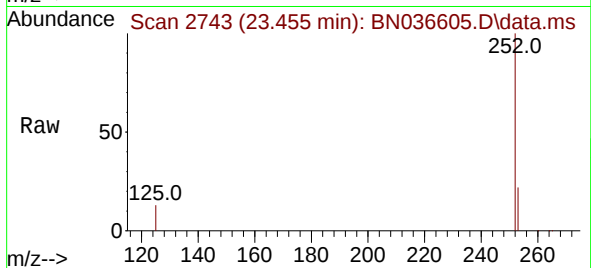
Tgt Ion:252 Resp: 1122554

Ion Ratio Lower Upper

252 100

253 21.9 27.8 41.8#

125 12.9 22.7 34.1#



#40

Dibenzo(a,h)anthracene

Concen: 224.609 ng

RT: 25.876 min Scan# 3571

Delta R.T. 0.021 min

Lab File: BN036605.D

Acq: 14 Mar 2025 13:05

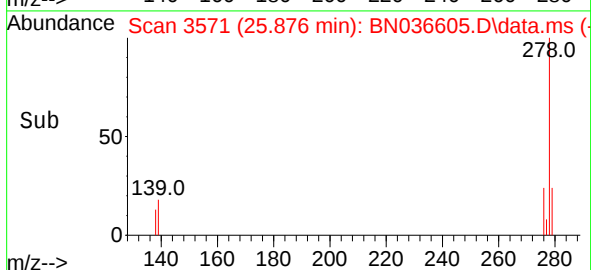
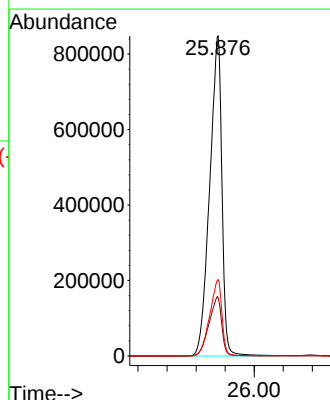
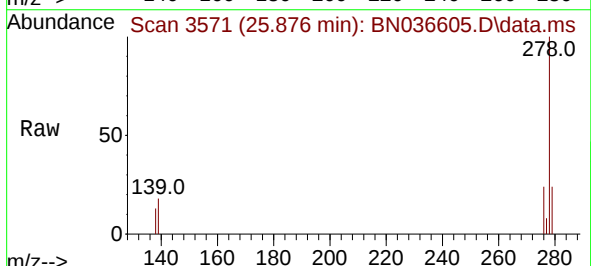
Tgt Ion:278 Resp: 2478411

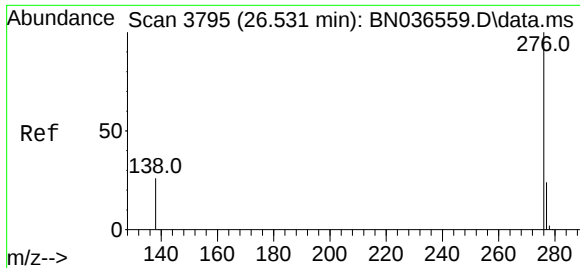
Ion Ratio Lower Upper

278 100

139 18.2 20.8 31.2#

279 23.8 28.8 43.2#





#41
 Benzo(g,h,i)perylene
 Concen: 109.603 ng
 RT: 26.554 min Scan# 3803
 Delta R.T. 0.024 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

Tgt Ion:276 Resp: 1383550
 Ion Ratio Lower Upper
 276 100
 277 23.6 22.2 33.4
 138 25.8 24.1 36.1

