

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)

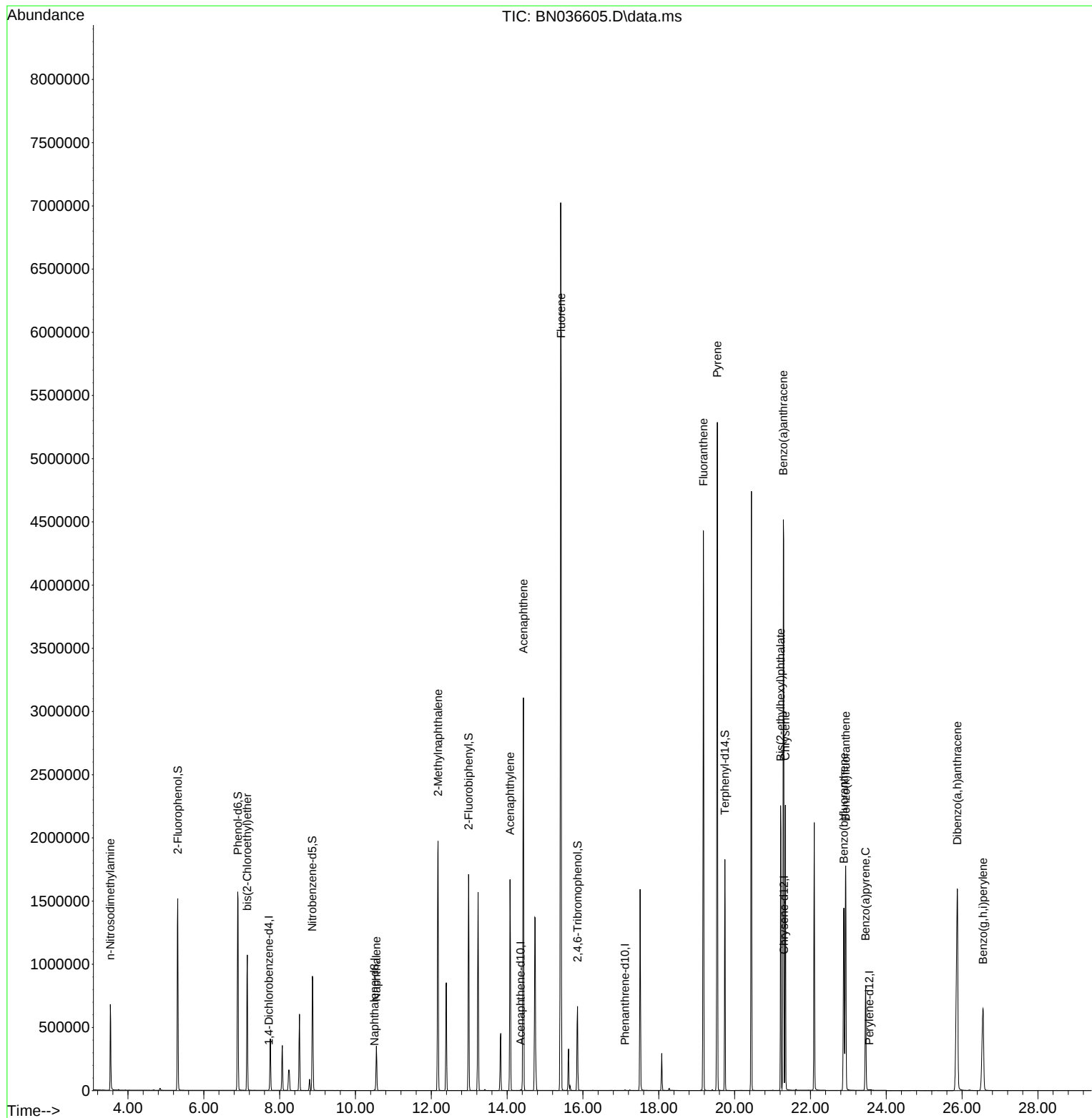
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2249	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5224	0.400	ng	-0.01
13) Acenaphthene-d10	14.356	164	3378	0.400	ng	-0.01
19) Phenanthrene-d10	17.111	188	6930	0.400	ng	0.00
29) Chrysene-d12	21.304	240	5465	0.400	ng	# 0.00
35) Perylene-d12	23.551	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
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
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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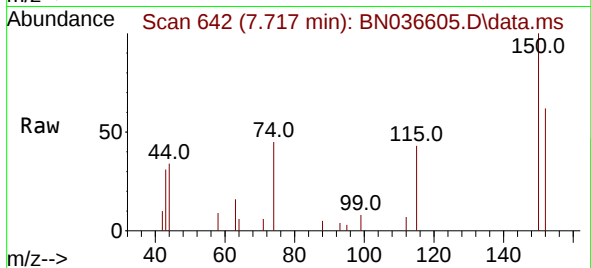
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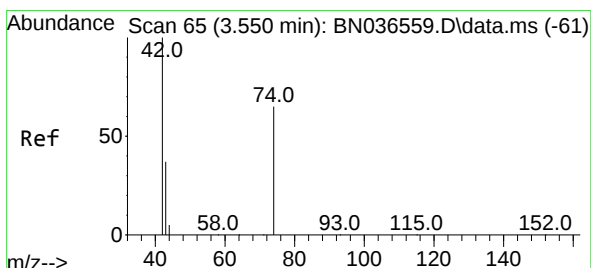
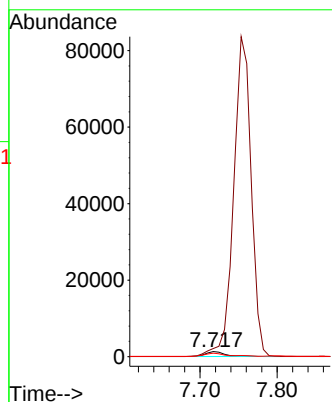
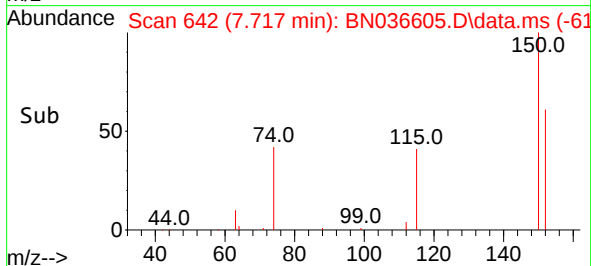


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

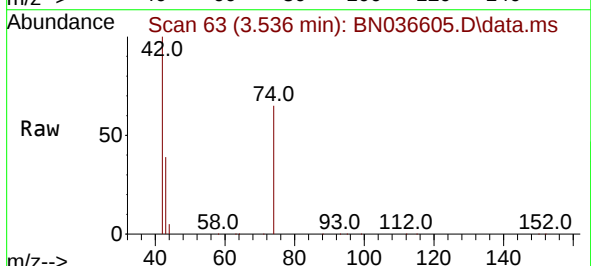
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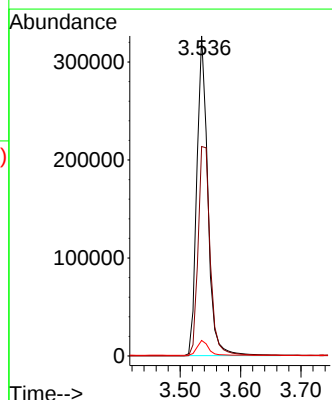
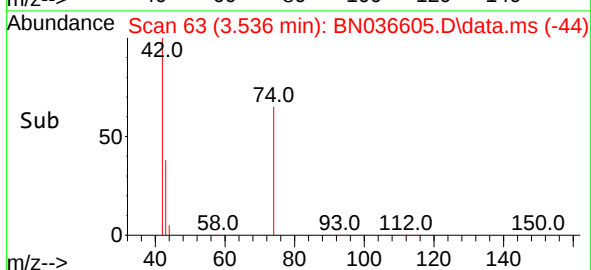
Tgt Ion:152 Resp: 2249
Ion Ratio Lower Upper
152 100
150 161.1 123.7 185.5
115 69.1 54.3 81.5



#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

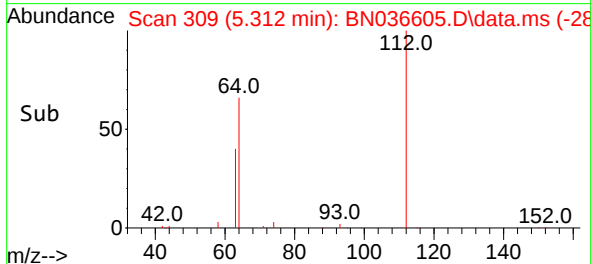
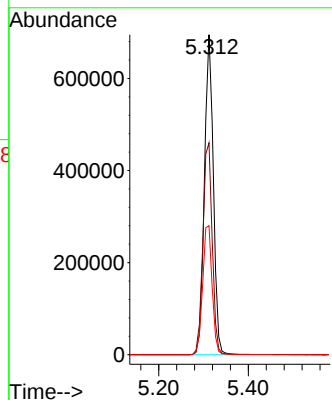
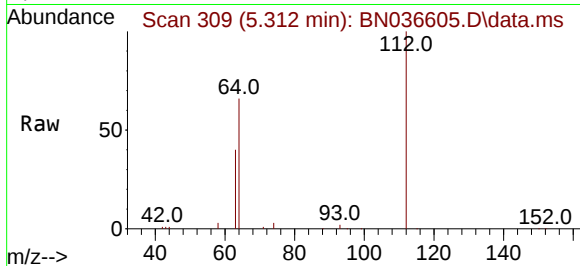




#4
2-Fluorophenol
Concen: 183.219 ng
RT: 5.312 min Scan# 309
Delta R.T. 0.000 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

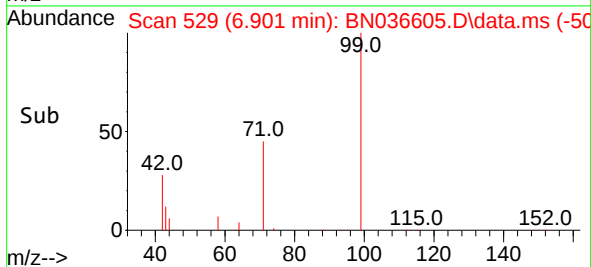
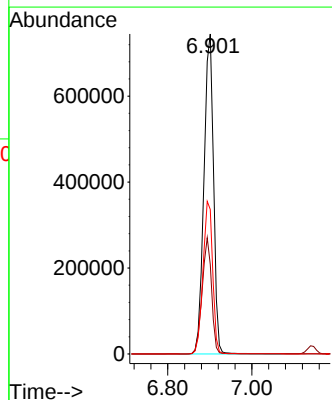
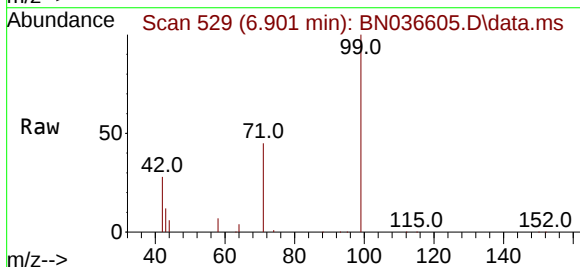
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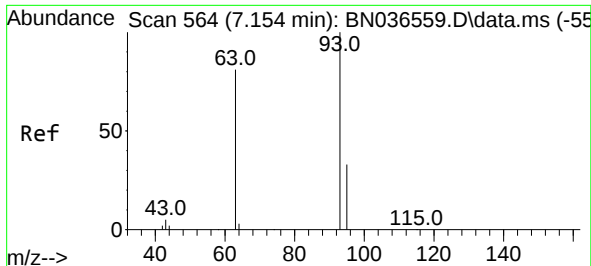
Tgt Ion:112 Resp: 960302
Ion Ratio Lower Upper
112 100
64 69.7 53.1 79.7
63 43.2 31.8 47.8



#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

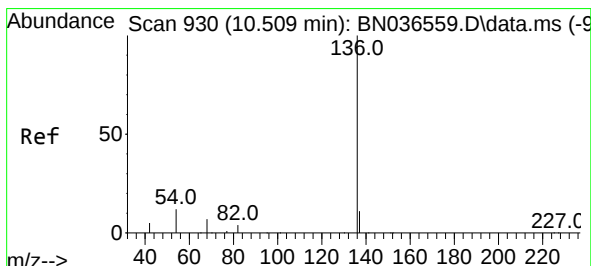
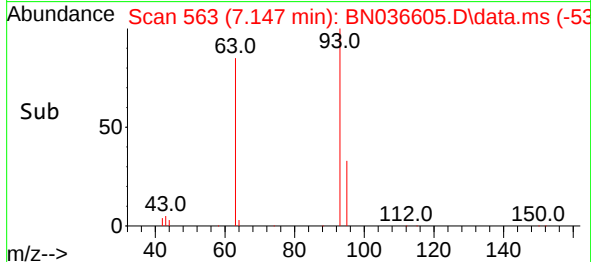
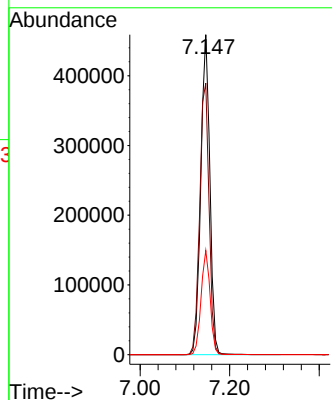
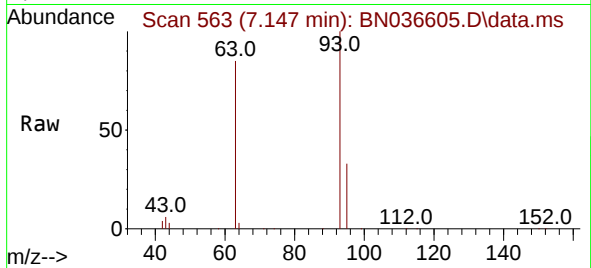




#6
bis(2-Chloroethyl)ether
Concen: 96.592 ng
RT: 7.147 min Scan# 50
Delta R.T. -0.007 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

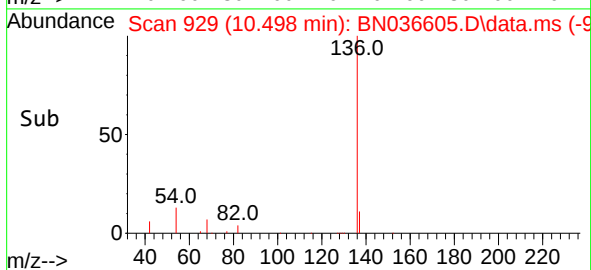
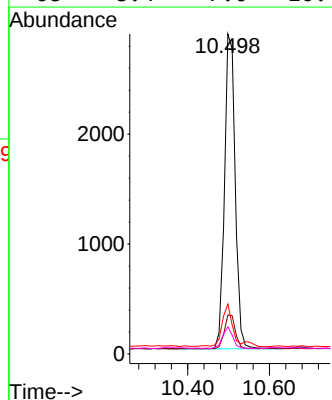
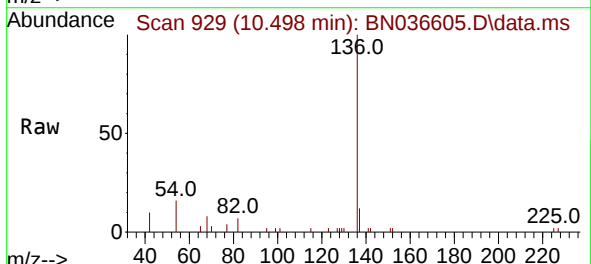
Instrument :
BNA_N
ClientSampleId :
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Tgt Ion: 93 Resp: 646483
Ion Ratio Lower Upper
93 100
63 88.3 67.7 101.5
95 32.5 25.6 38.4



#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

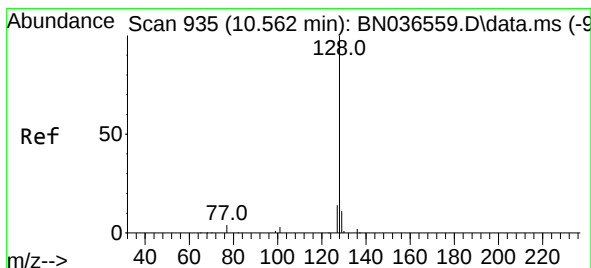
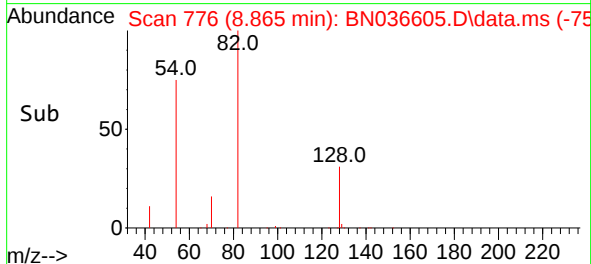
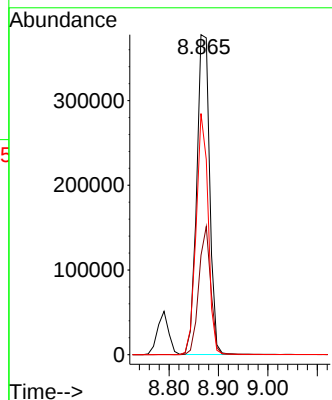
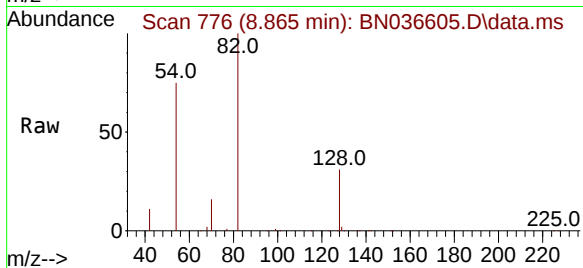




#8
Nitrobenzene-d5
Concen: 120.901 ng
RT: 8.865 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

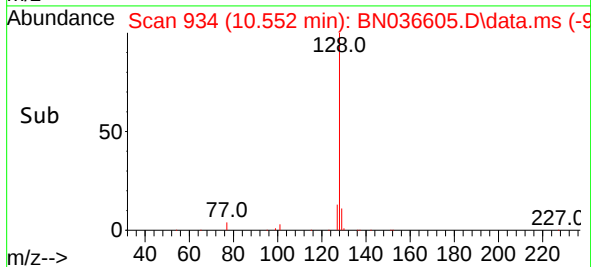
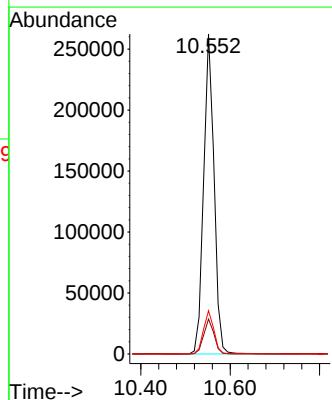
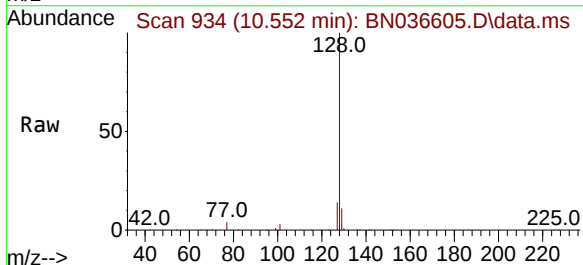
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

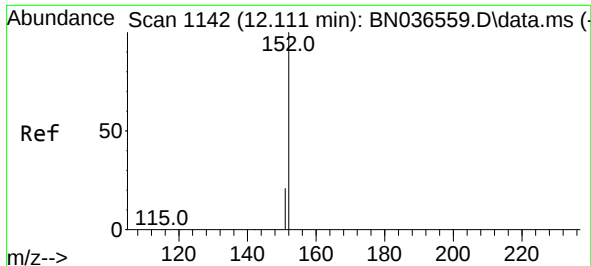
Tgt Ion: 82 Resp: 687070
Ion Ratio Lower Upper
82 100
128 31.1 30.6 45.8
54 75.4 52.2 78.4



#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

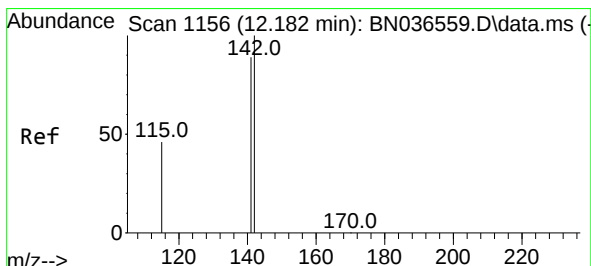
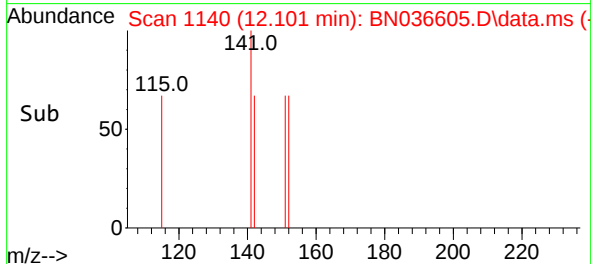
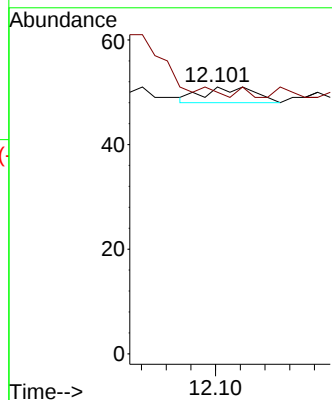
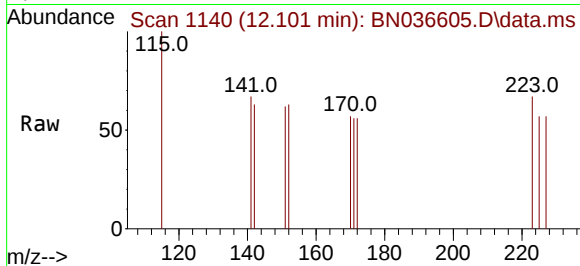




#11
2-Methylnaphthalene-d10
Concen: 0.001 ng
RT: 12.101 min Scan# 1140
Delta R.T. -0.010 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

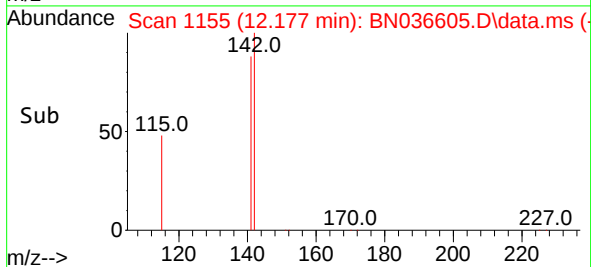
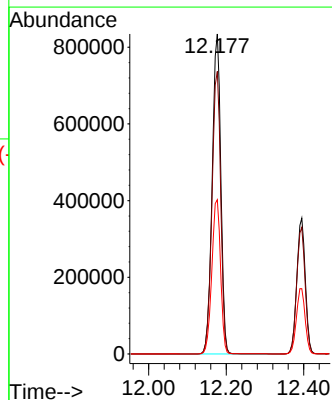
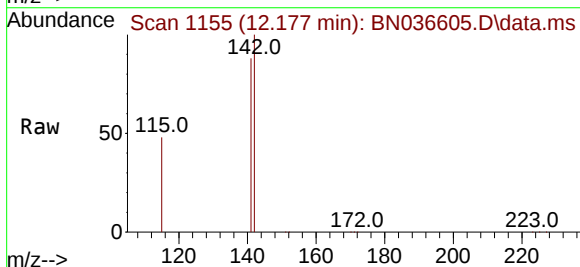
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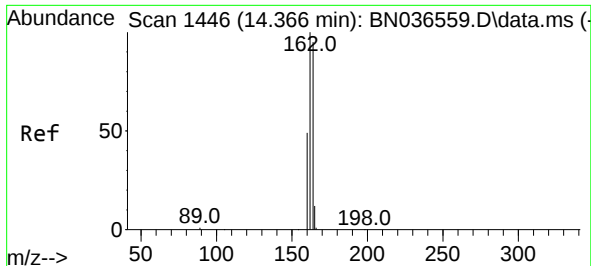
Tgt Ion:152 Resp: 4
Ion Ratio Lower Upper
152 100
151 0.0 17.0 25.6#



#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

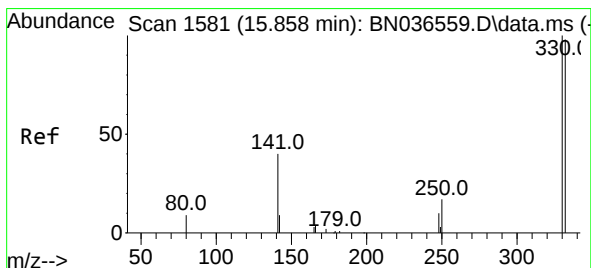
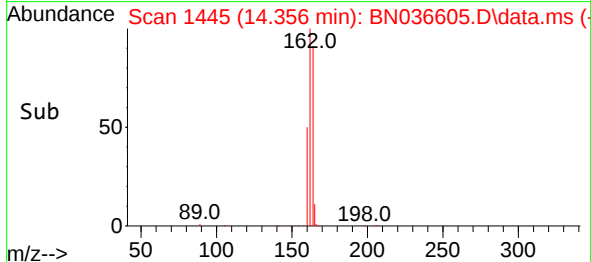
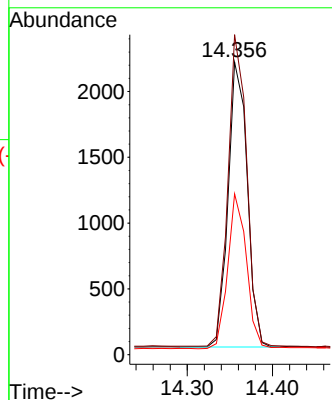
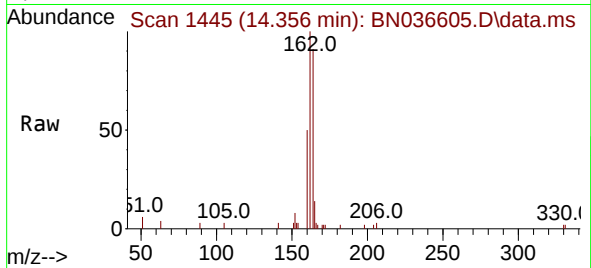




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

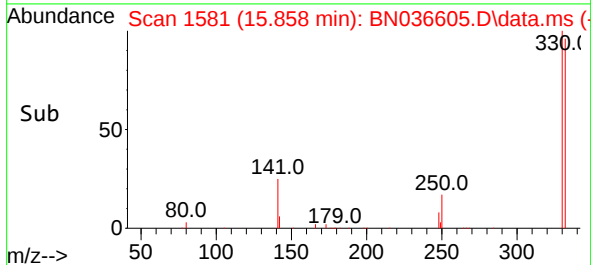
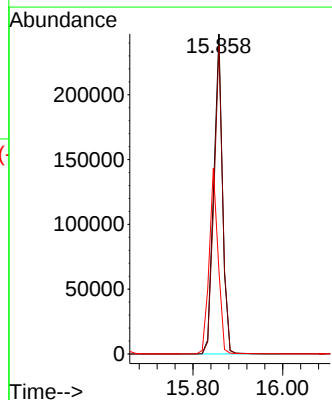
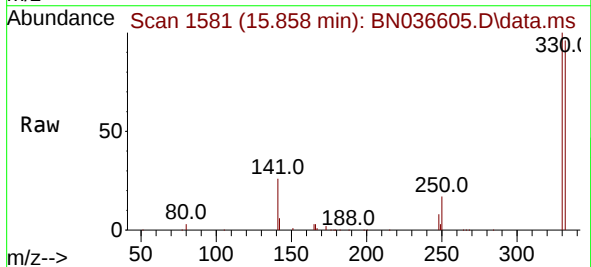
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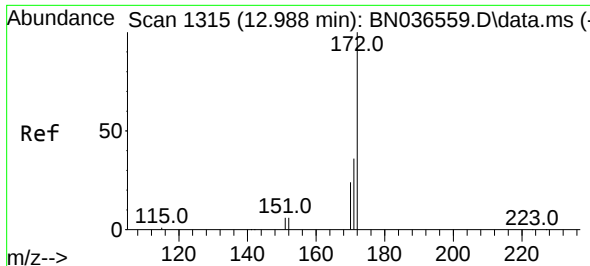
Tgt Ion:164 Resp: 3378
Ion Ratio Lower Upper
164 100
162 109.4 84.2 126.2
160 55.0 42.2 63.2



#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

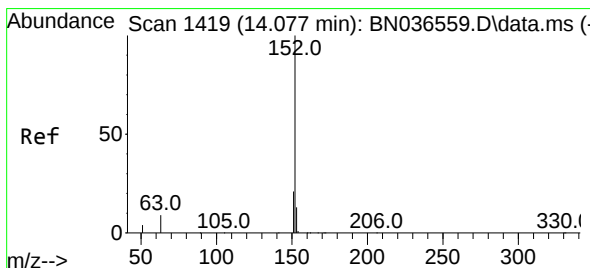
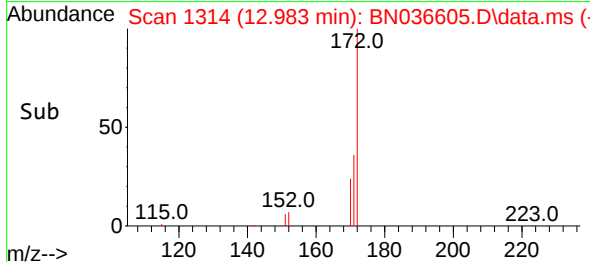
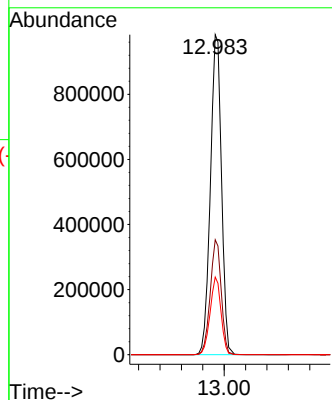
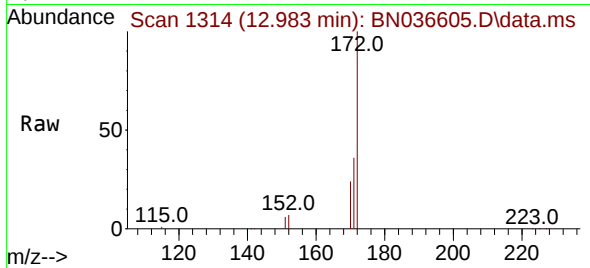




#15
2-Fluorobiphenyl
Concen: 98.763 ng
RT: 12.983 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

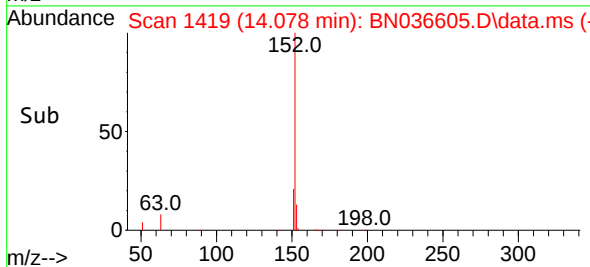
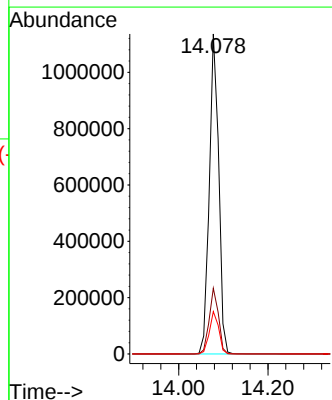
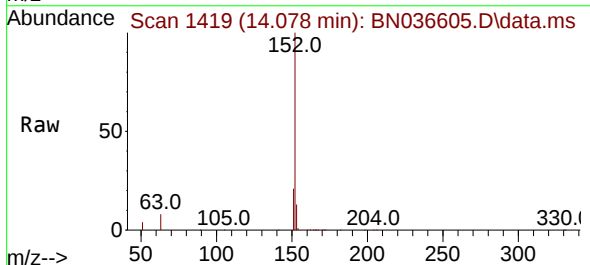
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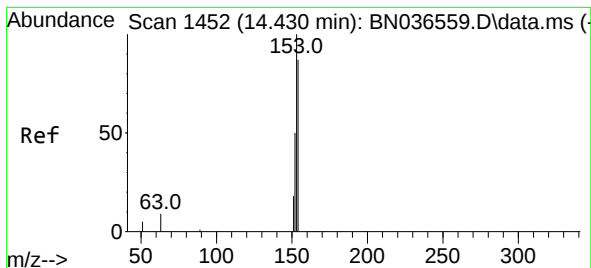
Tgt Ion:172 Resp: 1940803
Ion Ratio Lower Upper
172 100
171 35.9 29.5 44.3
170 24.3 20.2 30.4



#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

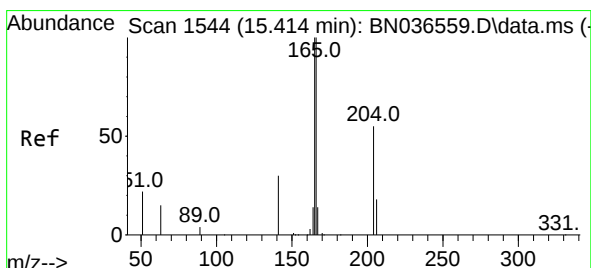
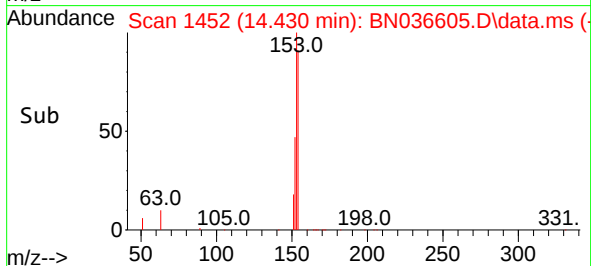
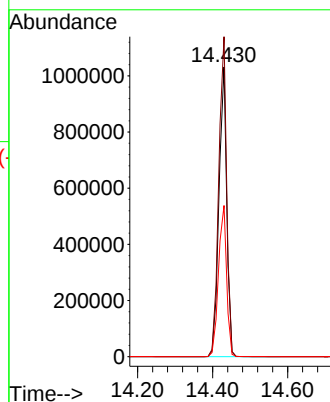
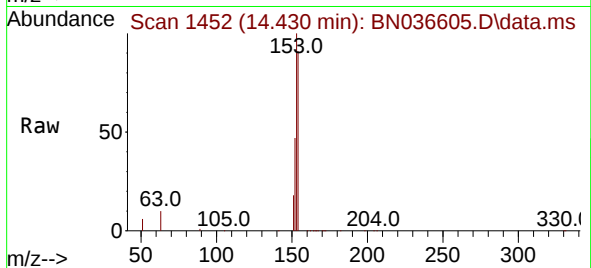
Tgt Ion:154 Resp: 1483616

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

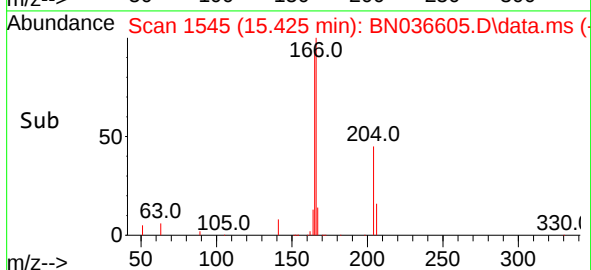
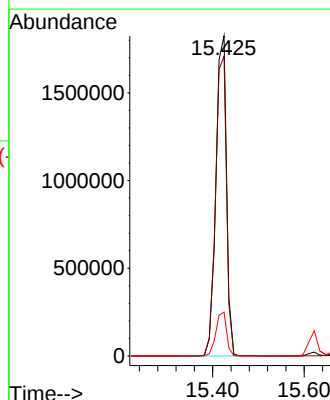
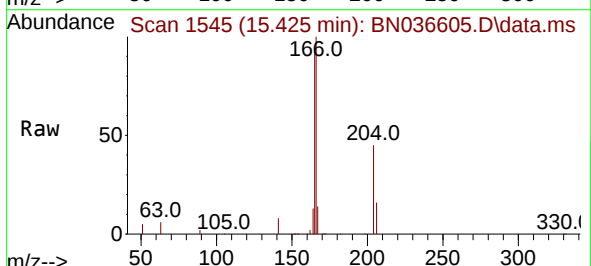
Tgt Ion:166 Resp: 3001675

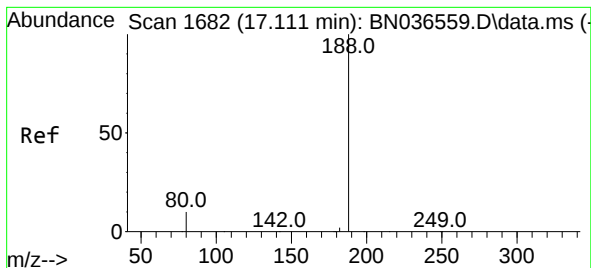
Ion Ratio Lower Upper

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

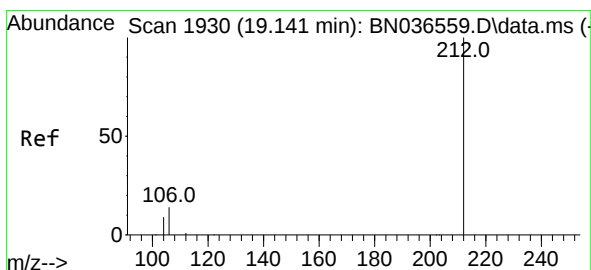
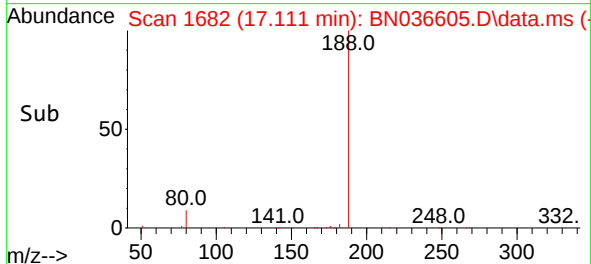
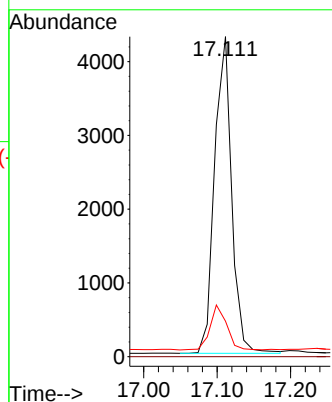
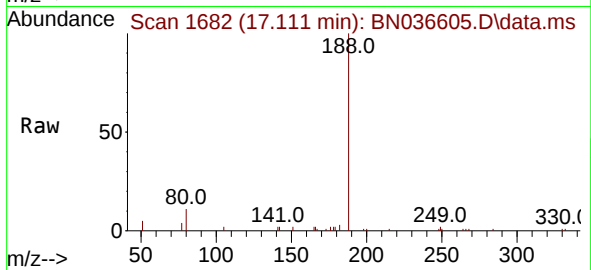
Tgt Ion:188 Resp: 6930

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.1 8.8 13.2



#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

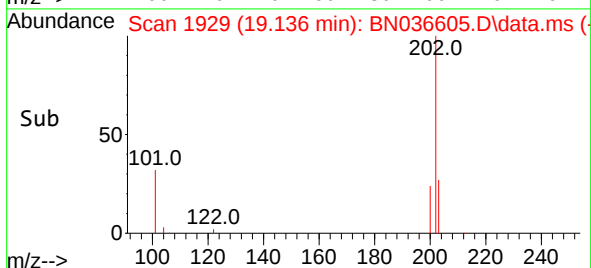
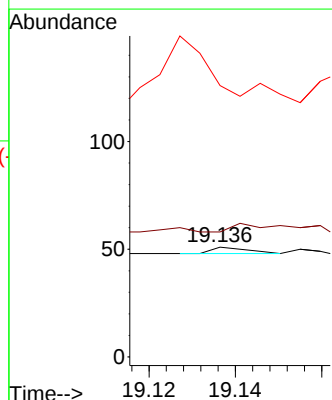
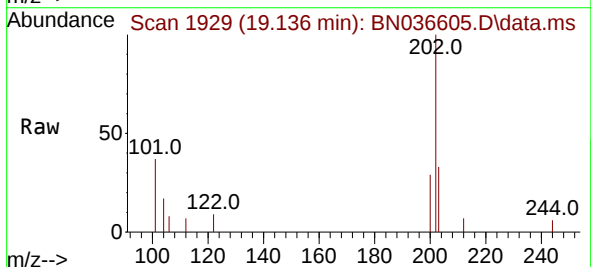
Tgt Ion:212 Resp: 2

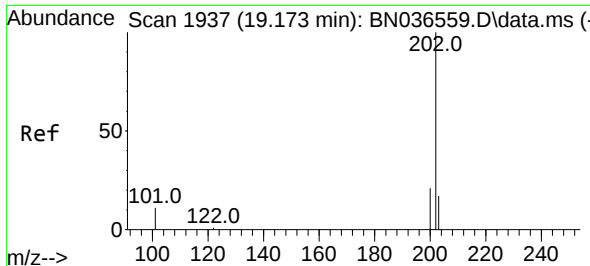
Ion Ratio Lower Upper

212 100

106 450.0 11.8 17.6#

104 0.0 7.3 10.9#

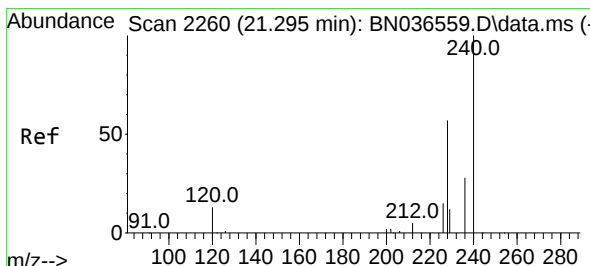
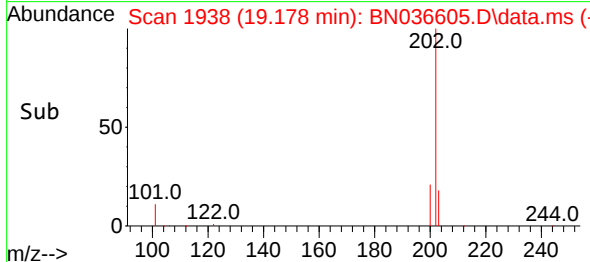
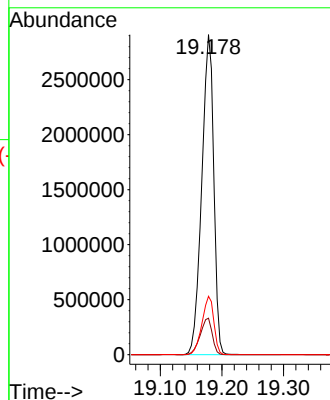
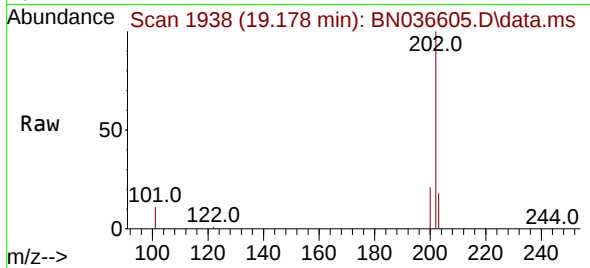




#28
Fluoranthene
Concen: 167.957 ng
RT: 19.178 min Scan# 1937
Delta R.T. 0.005 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

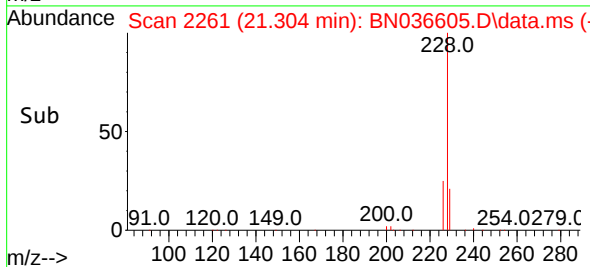
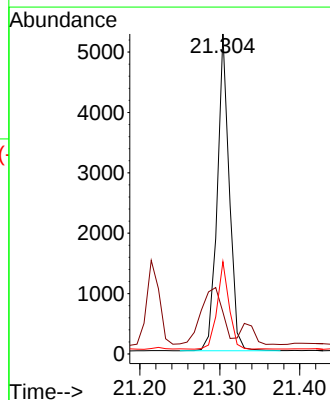
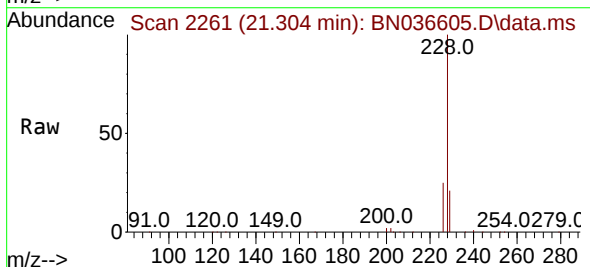
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

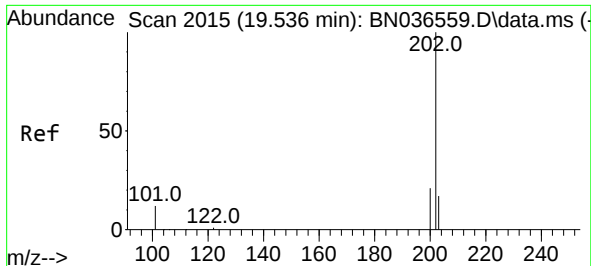
Tgt Ion:202 Resp: 3922212
Ion Ratio Lower Upper
202 100
101 11.4 9.4 14.0
203 18.1 13.5 20.3



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.009 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

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

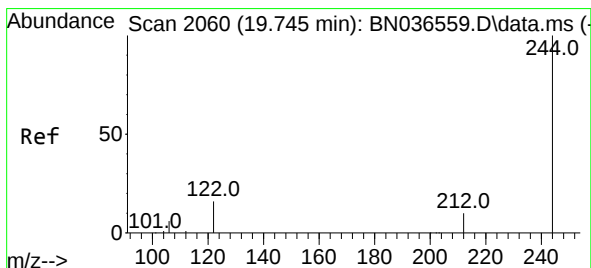
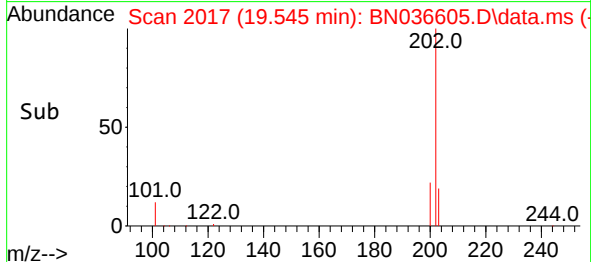
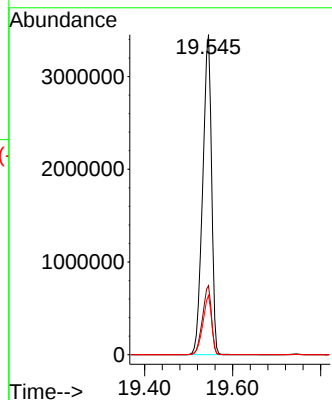
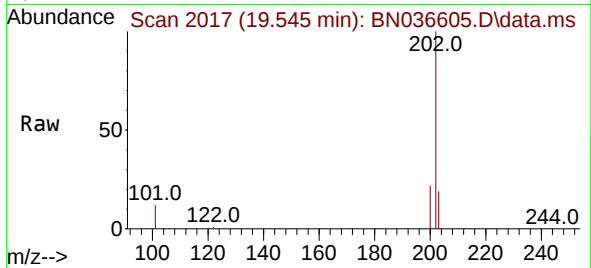




#30
 Pyrene
 Concen: 179.861 ng
 RT: 19.545 min Scan# 2015
 Delta R.T. 0.009 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

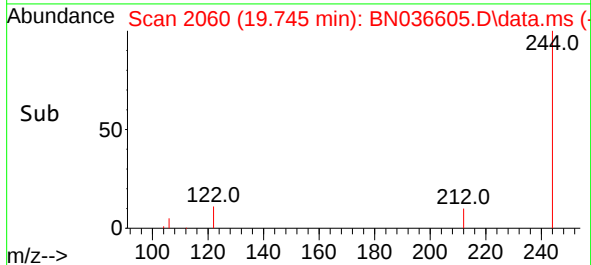
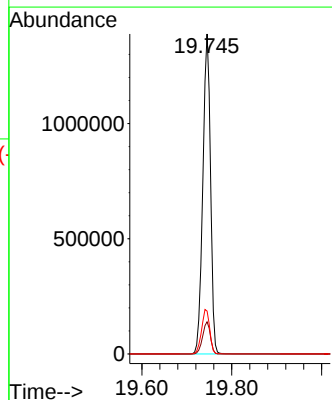
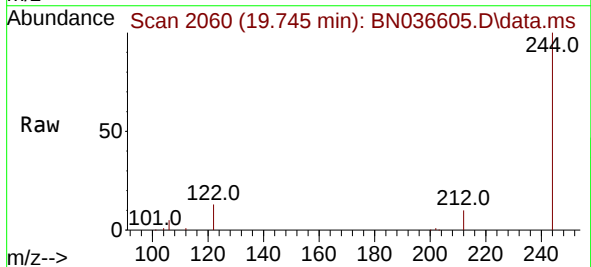
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

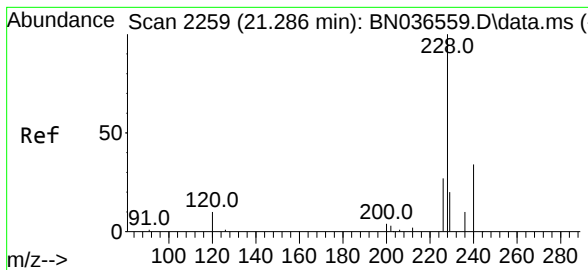
Tgt Ion:202 Resp: 4806077
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.1 25.7
 203 18.4 14.1 21.1



#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

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#

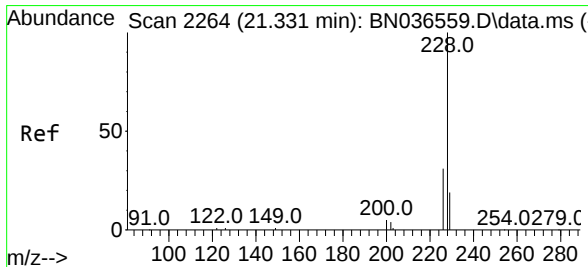
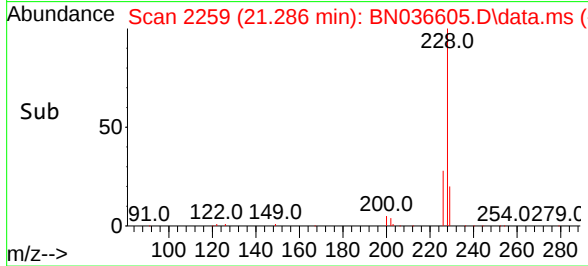
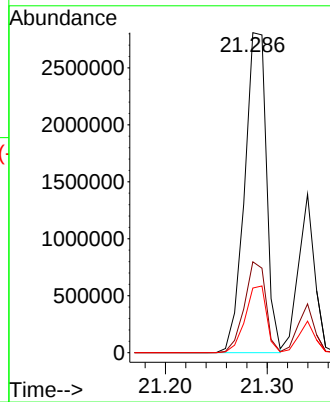
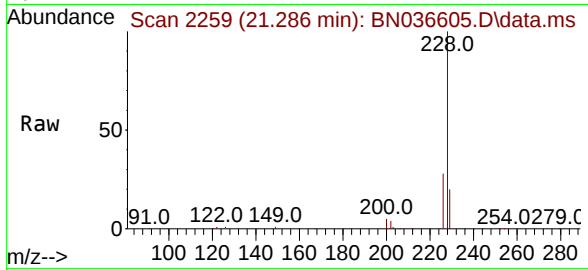




#32
Benzo(a)anthracene
Concen: 220.548 ng
RT: 21.286 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

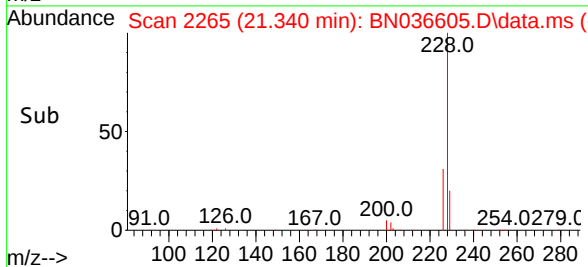
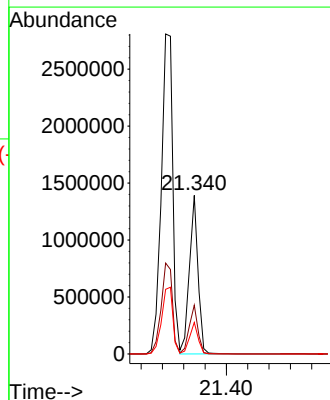
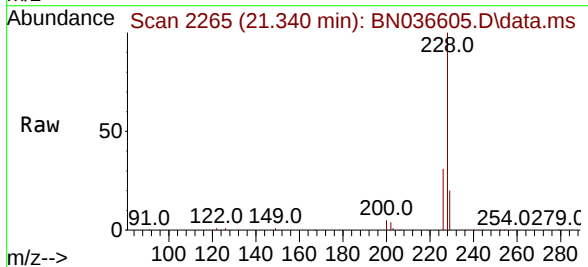
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

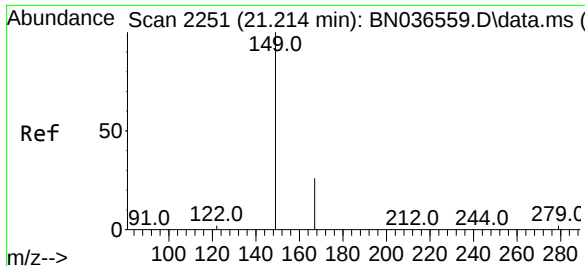
Tgt Ion:228 Resp: 4191040
Ion Ratio Lower Upper
228 100
226 28.4 22.5 33.7
229 20.2 16.6 25.0



#33
Chrysene
Concen: 75.477 ng
RT: 21.340 min Scan# 2265
Delta R.T. 0.009 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

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

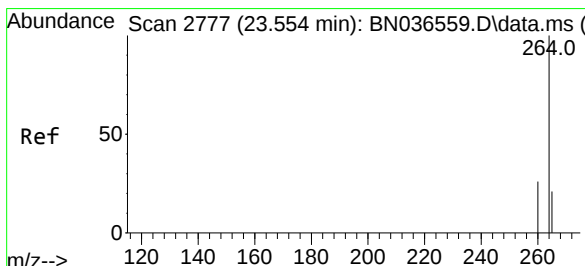
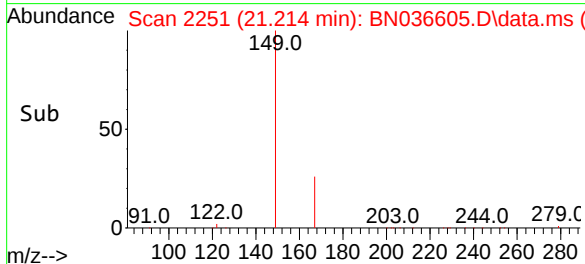
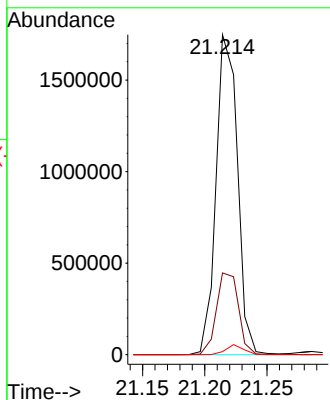
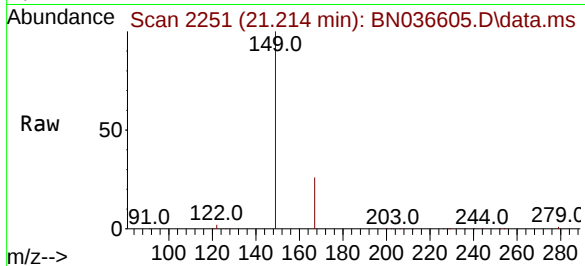




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 154.673 ng
 RT: 21.214 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

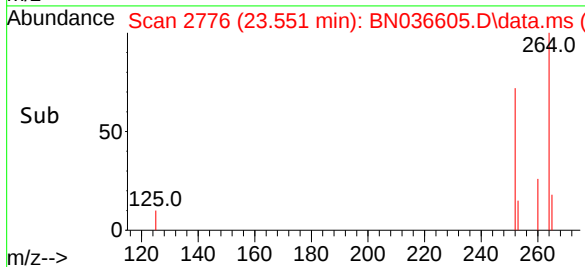
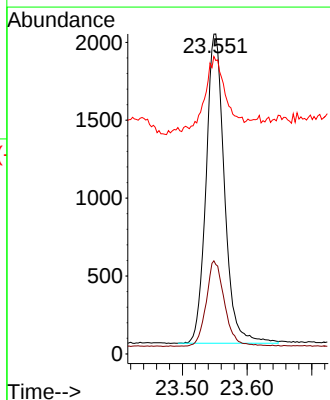
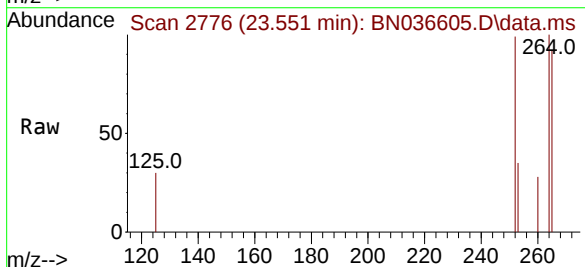
Instrument :
 BNA_N
 ClientSampleId :
 PT-BN-WP

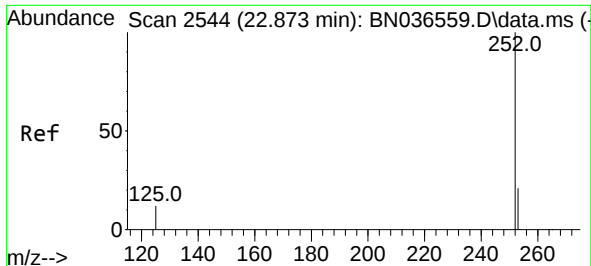
Tgt Ion:149 Resp: 2092879
 Ion Ratio Lower Upper
 149 100
 167 26.4 20.7 31.1
 279 2.6 3.6 5.4#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.551 min Scan# 2776
 Delta R.T. -0.003 min
 Lab File: BN036605.D
 Acq: 14 Mar 2025 13:05

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

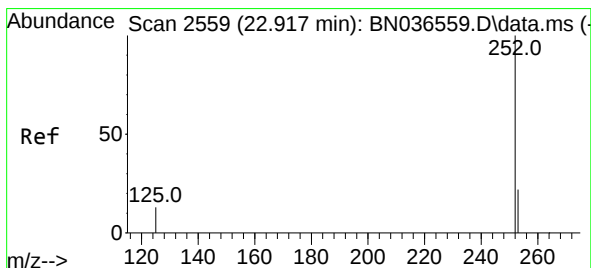
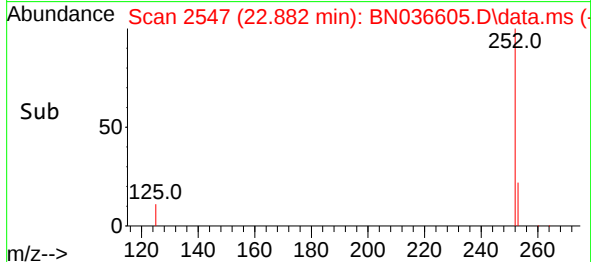
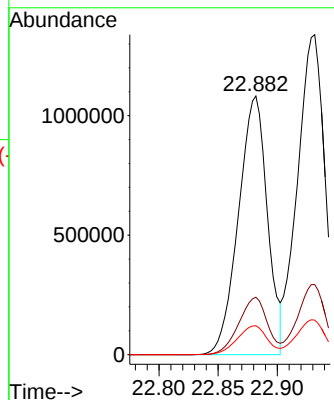
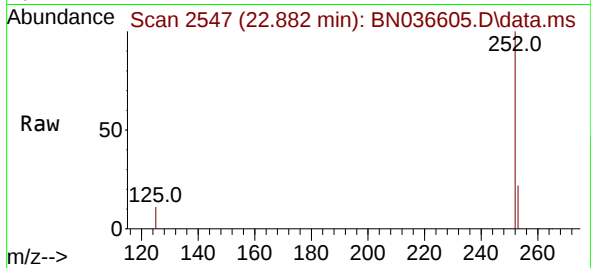




#37
Benzo(b)fluoranthene
Concen: 128.851 ng
RT: 22.882 min Scan# 2547
Delta R.T. 0.009 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

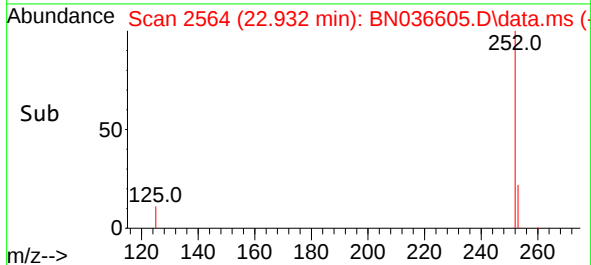
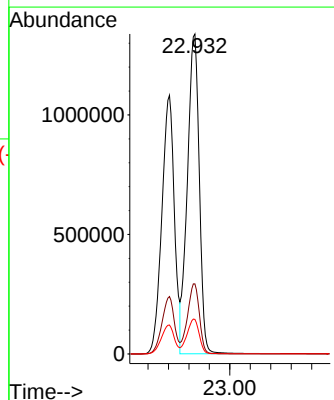
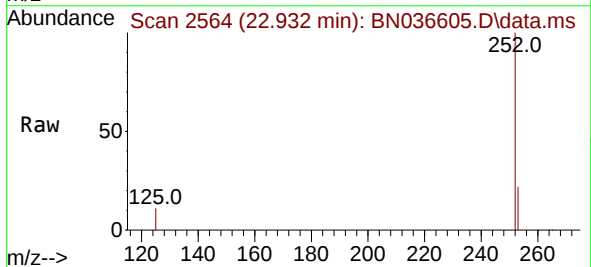
Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

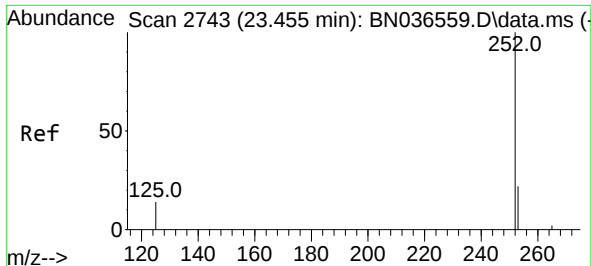
Tgt Ion:252 Resp: 1841439
Ion Ratio Lower Upper
252 100
253 22.2 23.9 35.9#
125 11.2 17.4 26.2#



#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

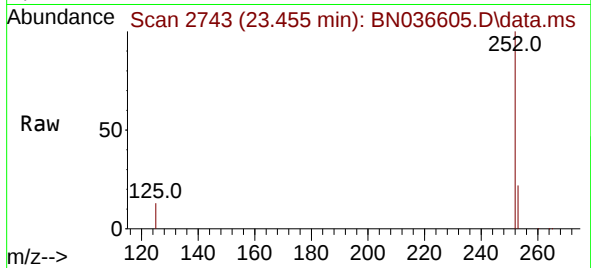
Tgt Ion:252 Resp: 2163880
Ion Ratio Lower Upper
252 100
253 21.9 24.6 36.8#
125 10.8 17.8 26.8#



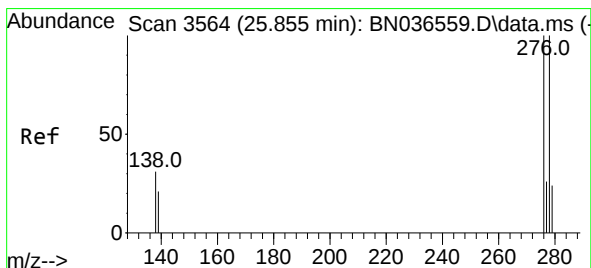
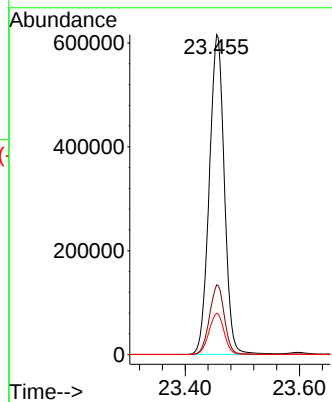
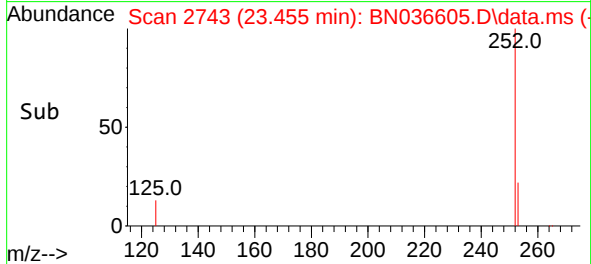


#39
Benzo(a)pyrene
Concen: 93.275 ng
RT: 23.455 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036605.D
Acq: 14 Mar 2025 13:05

Instrument :
BNA_N
ClientSampleId :
PT-BN-WP

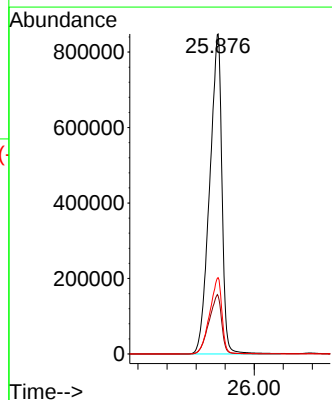
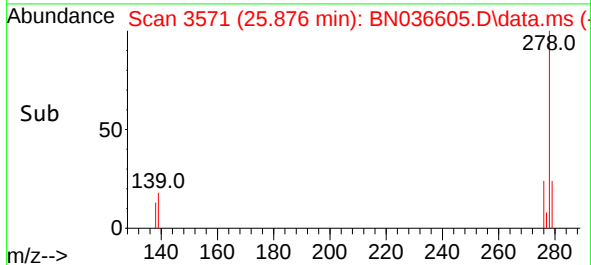
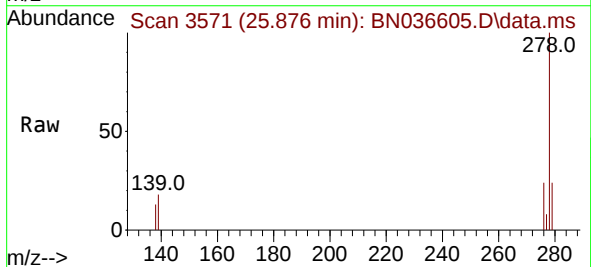


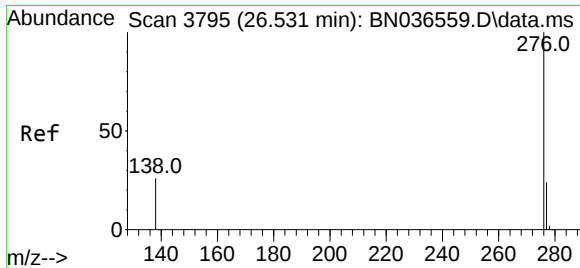
Tgt Ion:252 Resp: 1122554
Ion Ratio Lower Upper
252 100
253 21.9 27.8 41.8#
125 12.9 22.7 34.1#



#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

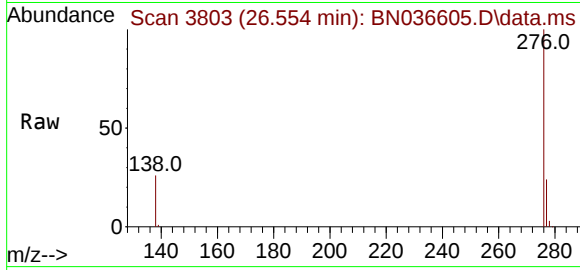
Tgt Ion:278 Resp: 2478411
Ion Ratio Lower Upper
278 100
139 18.2 20.8 31.2#
279 23.8 28.8 43.2#





#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

