

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
 Data File : BN037874.D
 Acq On : 24 Sep 2025 13:36
 Operator : RC/JU
 Sample : Q3015-05DL 100X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WP0925-PT-BN-WPDL

Quant Time: Sep 24 14:48:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 11:00:01 2025
 Response via : Initial Calibration

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

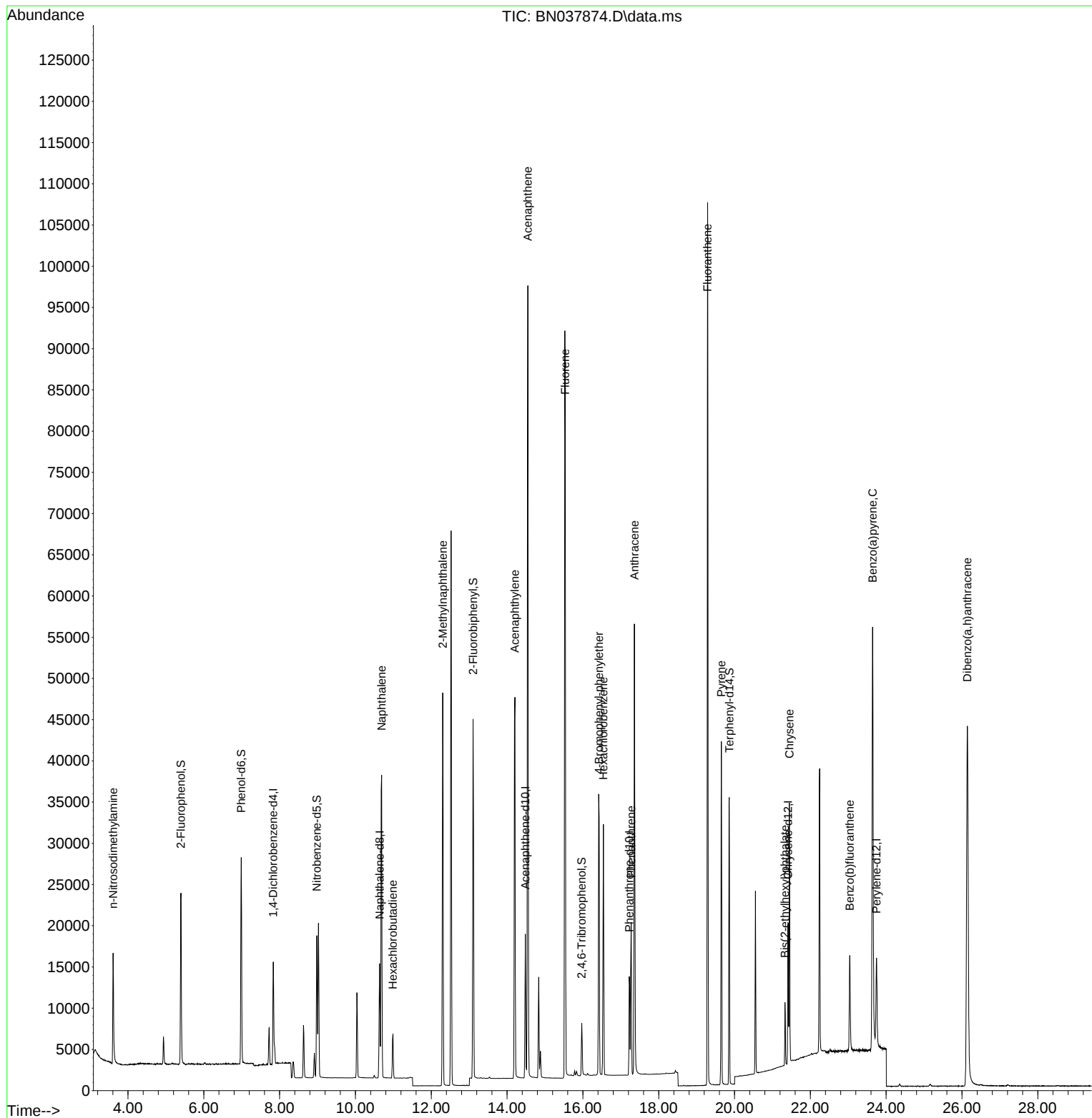
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.833	152	6044	0.400	ng	0.00
7) Naphthalene-d8	10.637	136	17967	0.400	ng	0.01
13) Acenaphthene-d10	14.484	164	9123	0.400	ng	0.01
19) Phenanthrene-d10	17.223	188	17666	0.400	ng	# 0.00
29) Chrysene-d12	21.411	240	14506	0.400	ng	0.00
35) Perylene-d12	23.744	264	15057	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	18085	1.311	ng	0.01
5) Phenol-d6	6.988	99	23465	1.295	ng	0.01
8) Nitrobenzene-d5	8.982	82	12848	0.938	ng	0.01
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	15.969	330	3608	1.043	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	37276	0.998	ng	0.01
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.861	244	32937	1.140	ng	0.00
Target Compounds						
						Qvalue
3) n-Nitrosodimethylamine	3.608	42	8250	1.011	ng	# 91
9) Naphthalene	10.690	128	50864	1.028	ng	98
10) Hexachlorobutadiene	10.989	225	4464	0.529	ng	# 100
12) 2-Methylnaphthalene	12.304	142	33144	1.025	ng	99
16) Acenaphthylene	14.206	152	54618	1.319	ng	100
17) Acenaphthene	14.548	154	45758	1.550	ng	99
18) Fluorene	15.535	166	46849	1.312	ng	99
21) 4-Bromophenyl-phenylether	16.429	248	15182	1.319	ng	# 87
22) Hexachlorobenzene	16.540	284	22620	1.621	ng	99
25) Phenanthrene	17.273	178	19206	0.330	ng	100
26) Anthracene	17.360	178	55860	1.108	ng	100
28) Fluoranthene	19.290	202	95459	1.491	ng	100
30) Pyrene	19.652	202	36553	0.638	ng	100
33) Chrysene	21.447	228	24862	0.453	ng	100
34) Bis(2-ethylhexyl)phtha...	21.331	149	7275	0.363	ng	100
37) Benzo(b)fluoranthene	23.040	252	15926	0.245	ng	96
39) Benzo(a)pyrene	23.642	252	81559	1.588	ng	# 90
40) Dibenzo(a,h)anthracene	26.142	278	73494	1.368	ng	97

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

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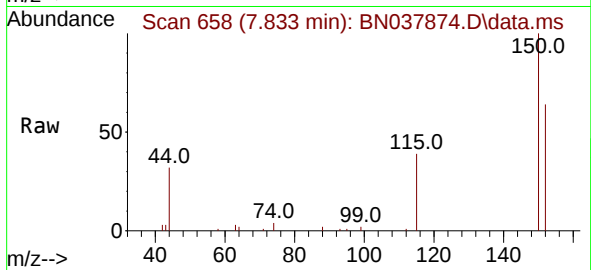
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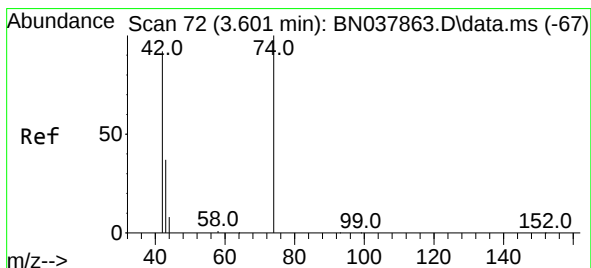
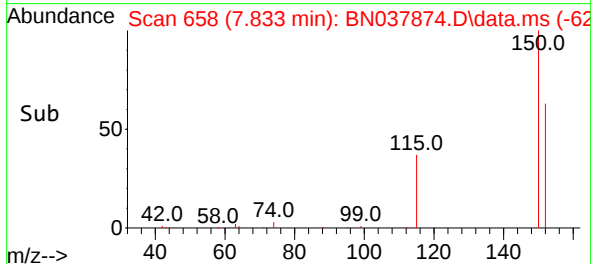
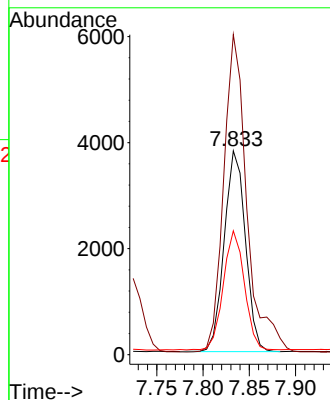


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.833 min Scan# 61
Delta R.T. 0.008 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WPDL

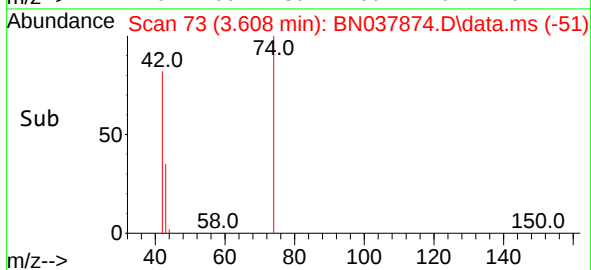
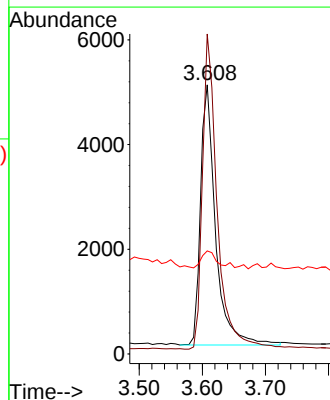
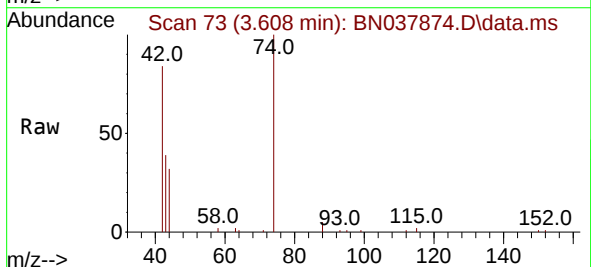


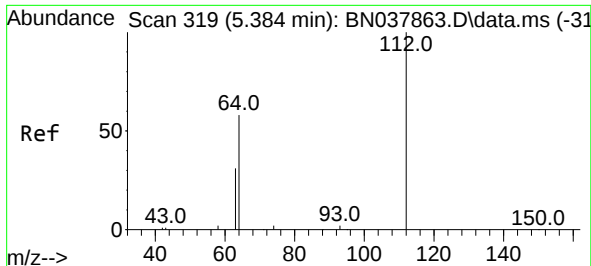
Tgt Ion:152 Resp: 6044
Ion Ratio Lower Upper
152 100
150 157.0 121.0 181.4
115 60.7 47.4 71.0



#3
n-Nitrosodimethylamine
Concen: 1.011 ng
RT: 3.608 min Scan# 73
Delta R.T. 0.007 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion: 42 Resp: 8250
Ion Ratio Lower Upper
42 100
74 118.8 93.4 140.0
44 6.7 22.2 33.4#

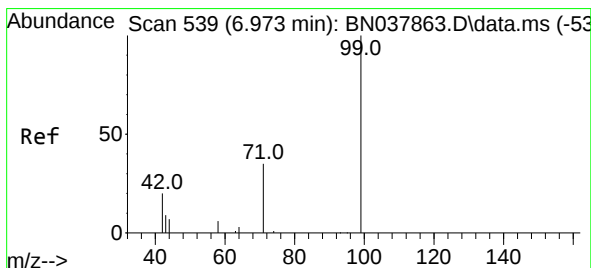
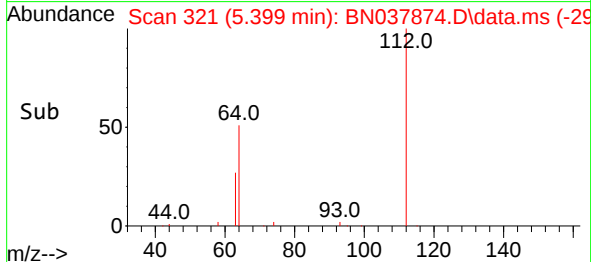
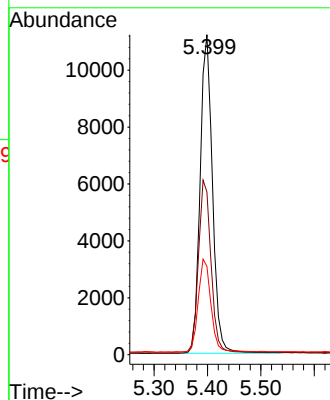
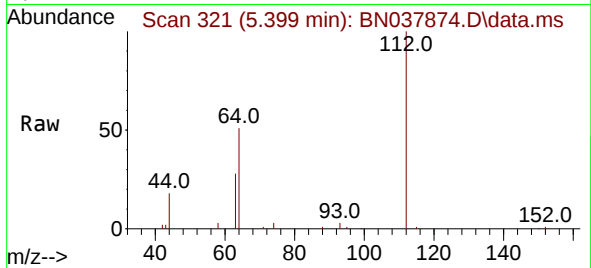




#4
2-Fluorophenol
Concen: 1.311 ng
RT: 5.399 min Scan# 319
Delta R.T. 0.014 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

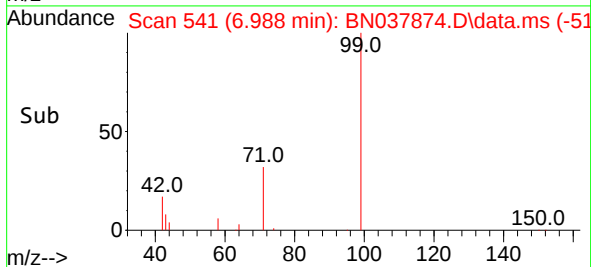
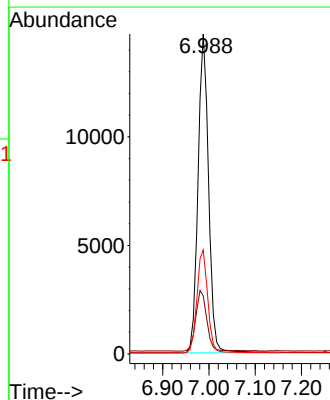
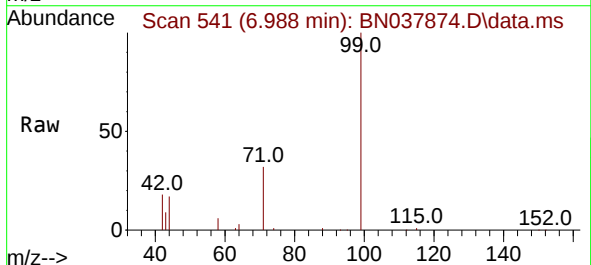
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WPDL

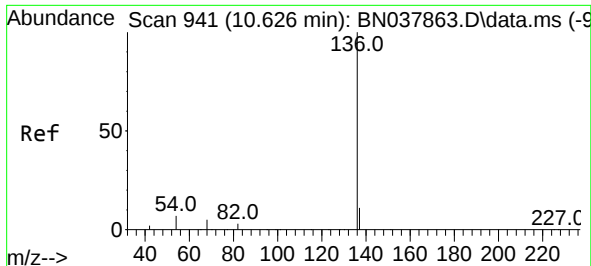
Tgt Ion:112 Resp: 18085
Ion Ratio Lower Upper
112 100
64 55.2 44.6 66.8
63 30.0 24.9 37.3



#5
Phenol-d6
Concen: 1.295 ng
RT: 6.988 min Scan# 541
Delta R.T. 0.014 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion: 99 Resp: 23465
Ion Ratio Lower Upper
99 100
42 19.6 17.2 25.8
71 32.8 27.3 40.9

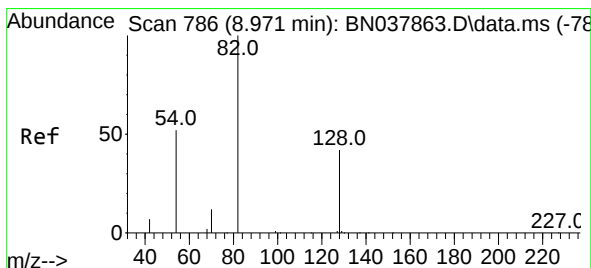
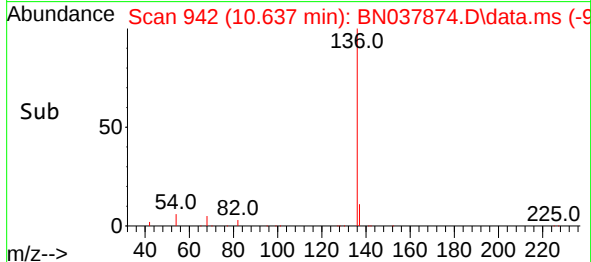
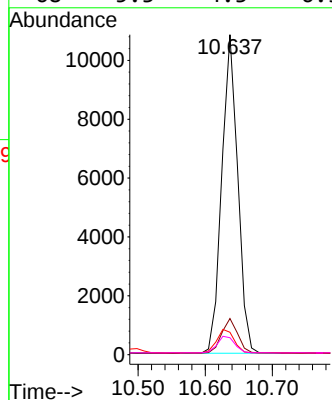
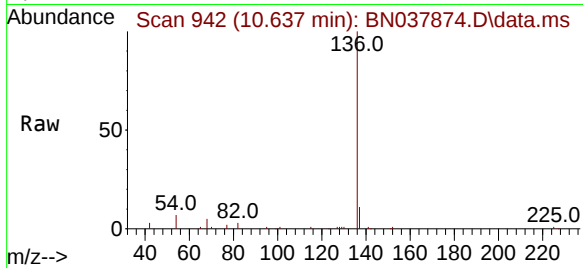




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.637 min Scan# 941
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

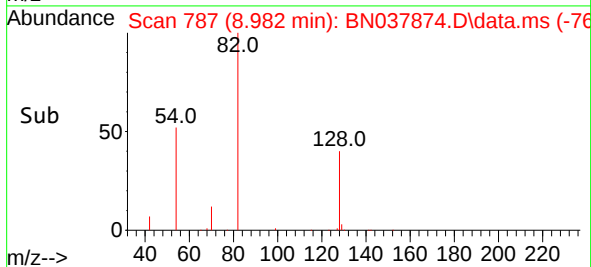
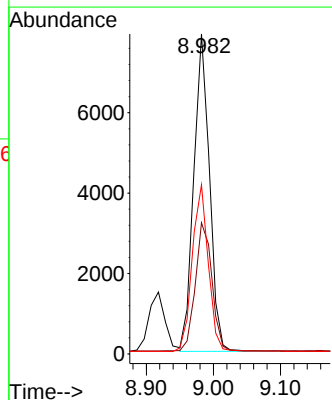
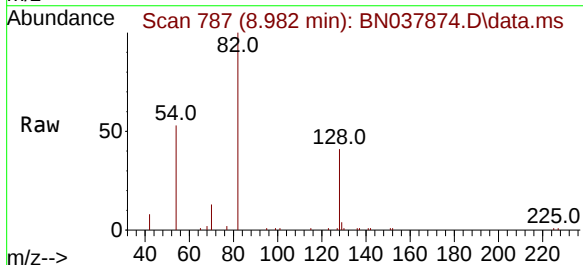
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WPDL

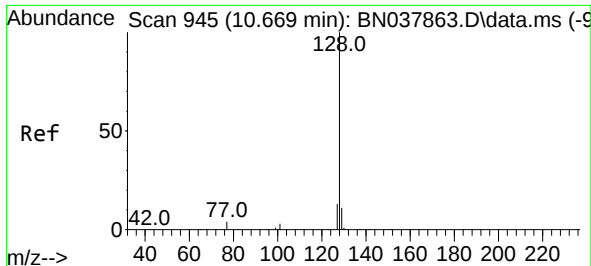
Tgt Ion:	136	Resp:	17967
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.0	5.8	8.8
68	5.3	4.3	6.5



#8
Nitrobenzene-d5
Concen: 0.938 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:	82	Resp:	12848
Ion Ratio	Lower	Upper	
82	100		
128	41.0	34.8	52.2
54	52.9	42.2	63.2

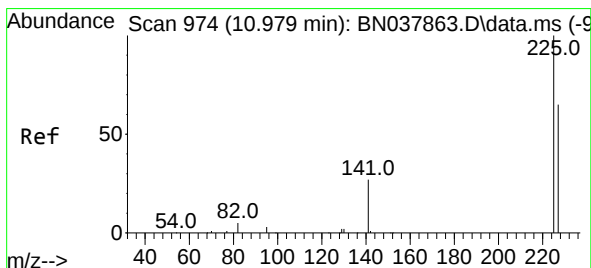
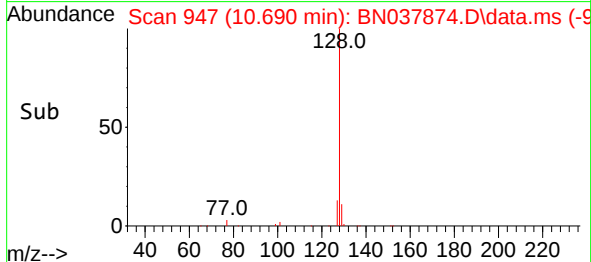
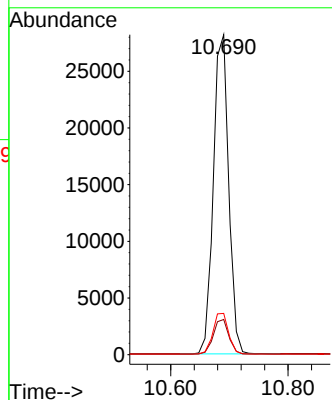
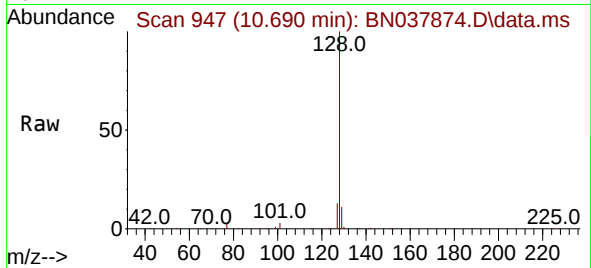




#9
Naphthalene
Concen: 1.028 ng
RT: 10.690 min Scan# 945
Delta R.T. 0.021 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

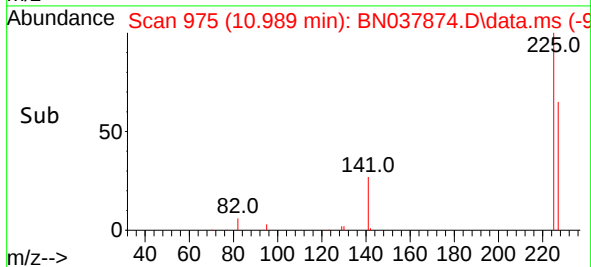
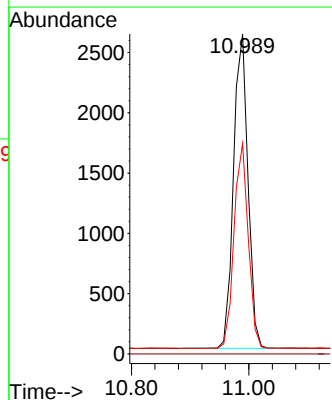
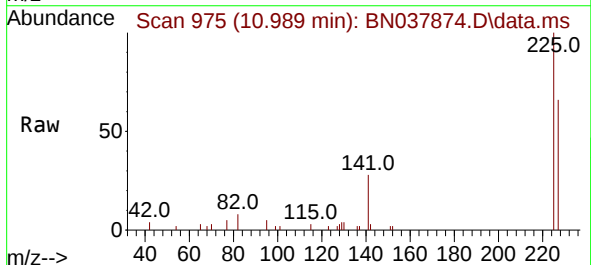
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WPDL

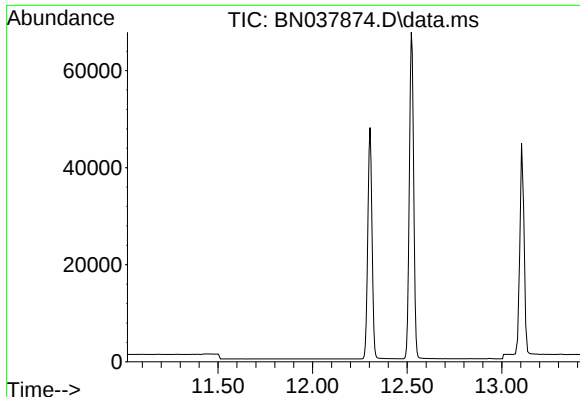
Tgt Ion:128 Resp: 50864
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 12.9 11.0 16.6



#10
Hexachlorobutadiene
Concen: 0.529 ng
RT: 10.989 min Scan# 975
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:225 Resp: 4464
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 51.4 77.2

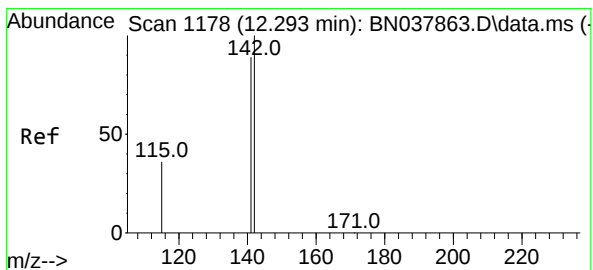
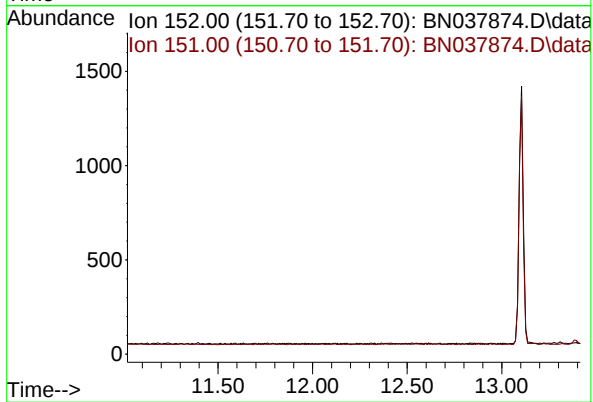




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.22 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

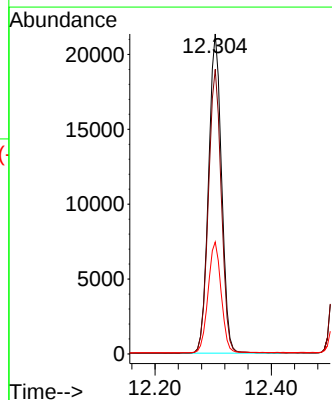
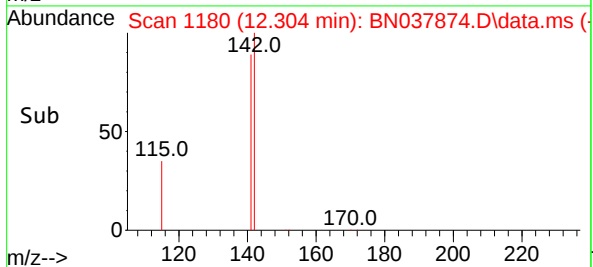
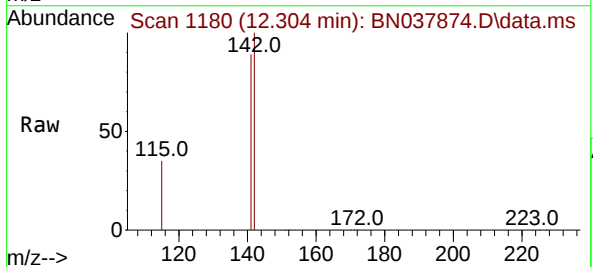
Instrument :
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 WP0925-PT-BN-WPDL

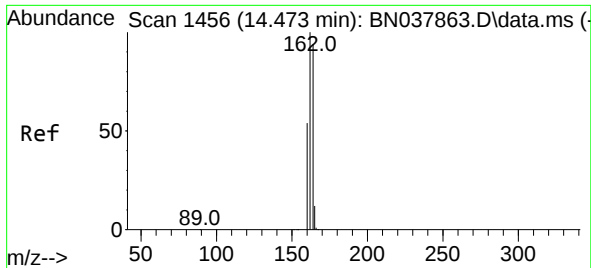
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.8



#12
 2-Methylnaphthalene
 Concen: 1.025 ng
 RT: 12.304 min Scan# 1180
 Delta R.T. 0.010 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion: 142 Resp: 33144
 Ion Ratio Lower Upper
 142 100
 141 89.0 71.2 106.8
 115 35.0 29.7 44.5

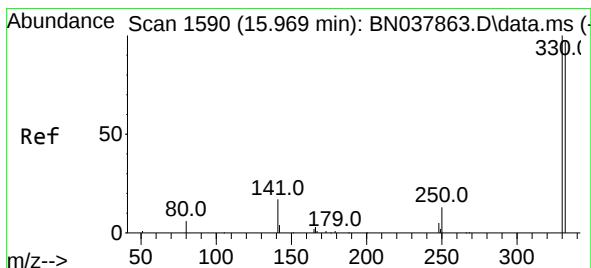
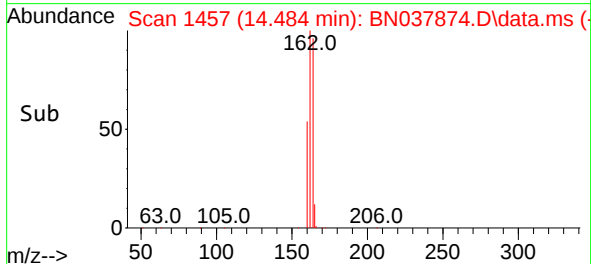
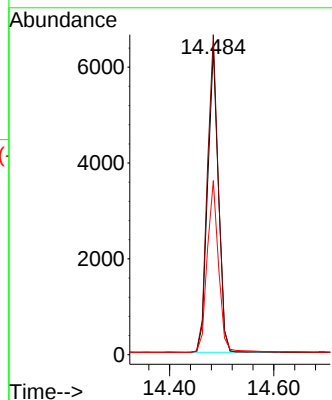
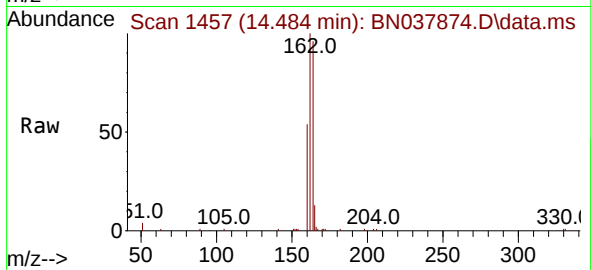




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.484 min Scan# 1456
 Delta R.T. 0.011 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

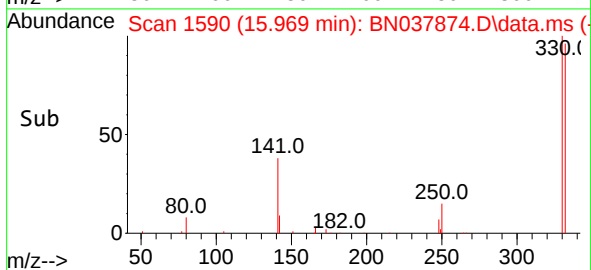
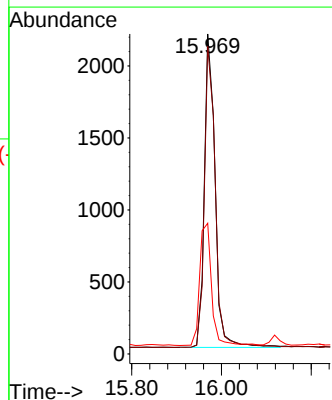
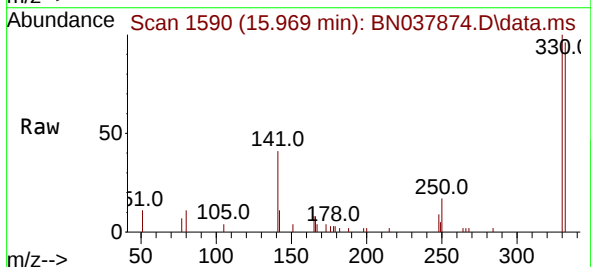
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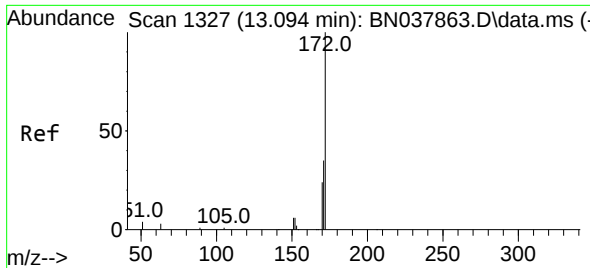
Tgt Ion:164 Resp: 9123
 Ion Ratio Lower Upper
 164 100
 162 104.5 84.8 127.2
 160 56.9 46.1 69.1



#14
 2,4,6-Tribromophenol
 Concen: 1.043 ng
 RT: 15.969 min Scan# 1590
 Delta R.T. 0.000 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion:330 Resp: 3608
 Ion Ratio Lower Upper
 330 100
 332 97.6 77.2 115.8
 141 43.2 37.2 55.8

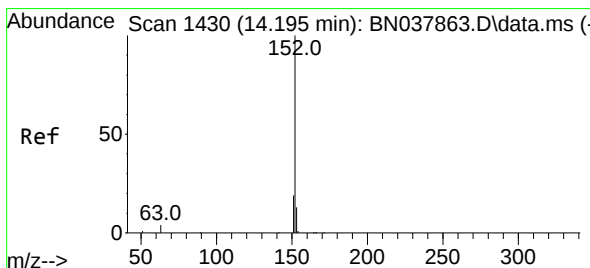
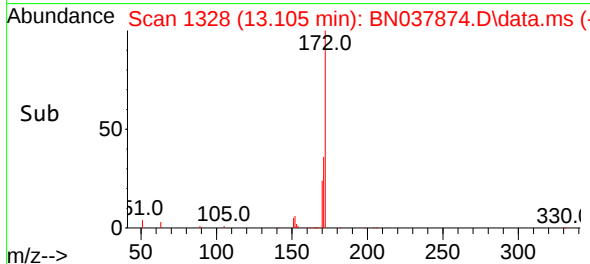
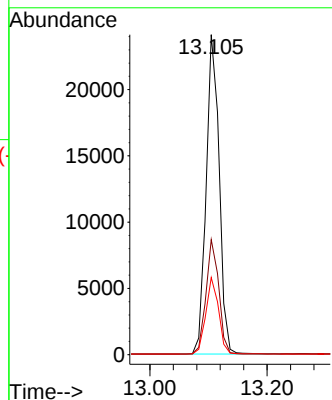
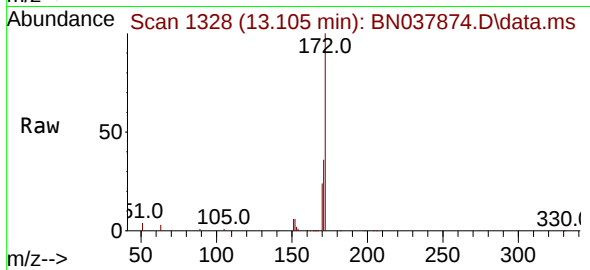




#15
2-Fluorobiphenyl
Concen: 0.998 ng
RT: 13.105 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

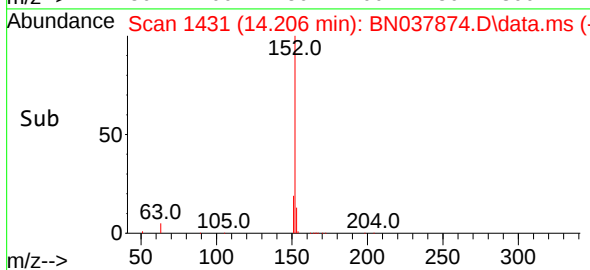
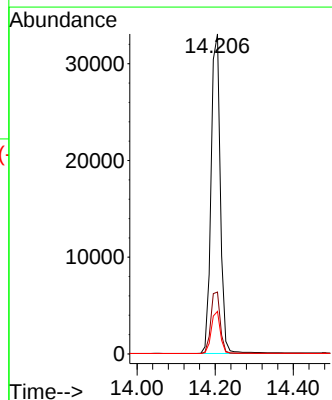
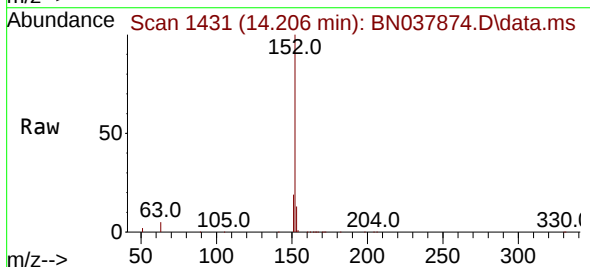
Instrument :
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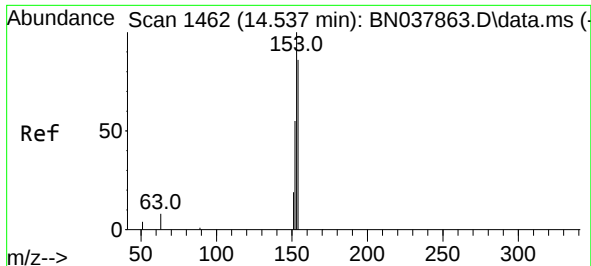
Tgt Ion:172 Resp: 37276
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 24.1 19.7 29.5



#16
Acenaphthylene
Concen: 1.319 ng
RT: 14.206 min Scan# 1431
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

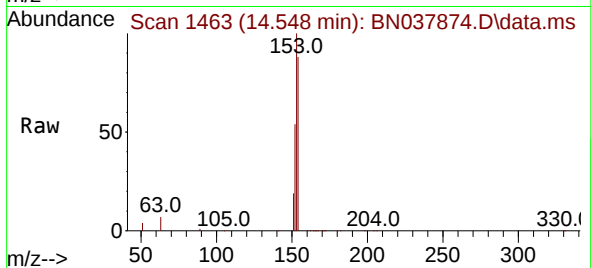
Tgt Ion:152 Resp: 54618
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.0 10.5 15.7



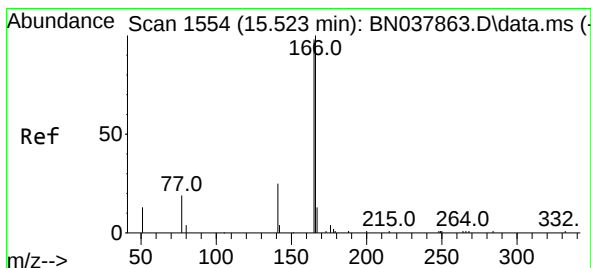
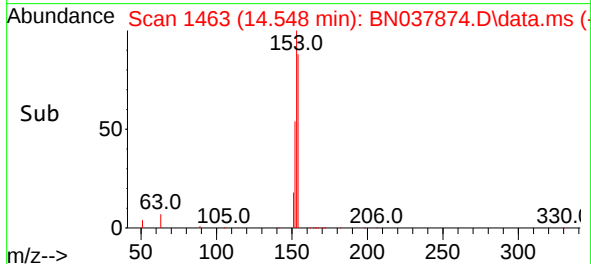
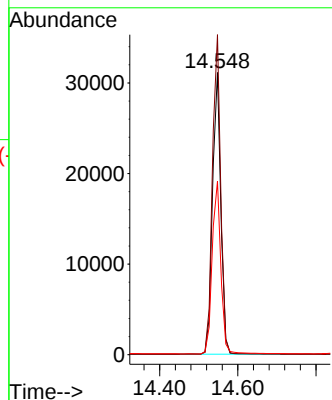


#17
Acenaphthene
Concen: 1.550 ng
RT: 14.548 min Scan# 1463
Delta R.T. 0.011 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WPDL

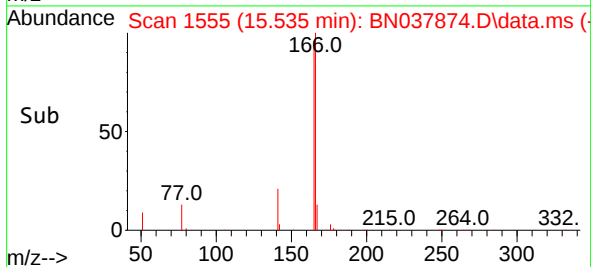
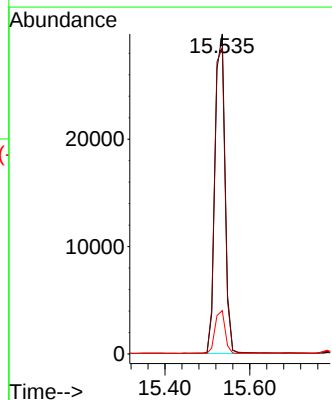
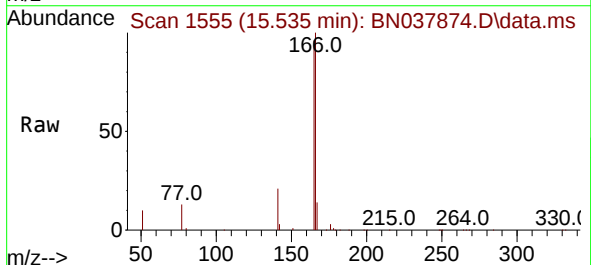


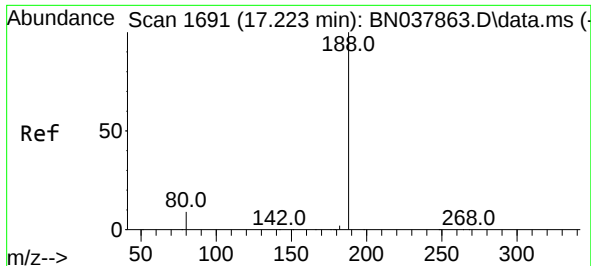
Tgt Ion:154 Resp: 45758
Ion Ratio Lower Upper
154 100
153 114.3 90.5 135.7
152 64.6 51.8 77.8



#18
Fluorene
Concen: 1.312 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.012 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:166 Resp: 46849
Ion Ratio Lower Upper
166 100
165 98.1 79.0 118.4
167 13.4 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.223 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

Instrument :

BNA_N

ClientSampleId :

WP0925-PT-BN-WPDL

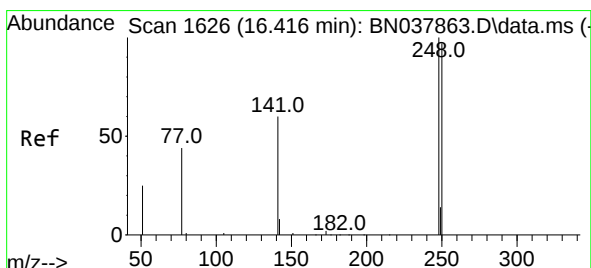
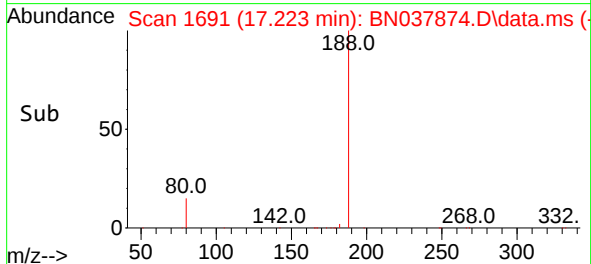
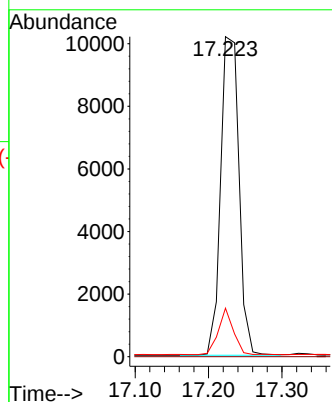
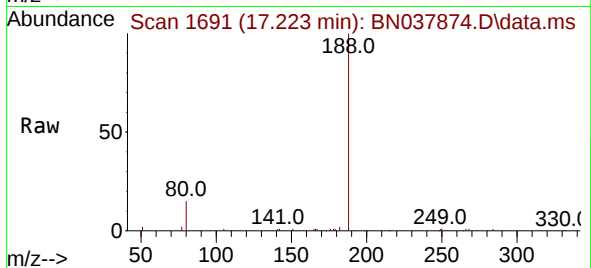
Tgt Ion:188 Resp: 17666

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.2 7.6 11.4#



#21

4-Bromophenyl-phenylether

Concen: 1.319 ng

RT: 16.429 min Scan# 1627

Delta R.T. 0.012 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

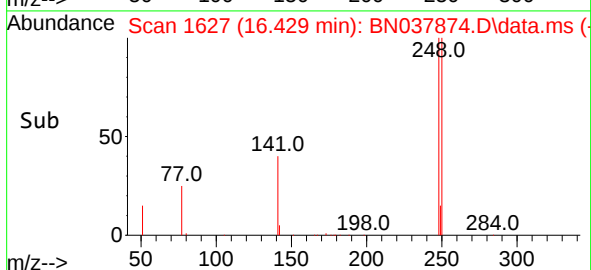
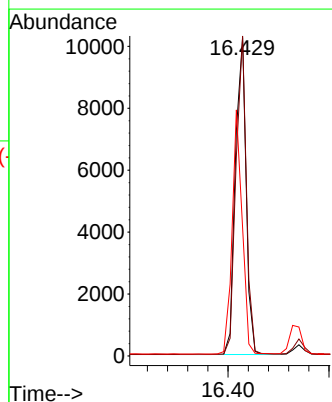
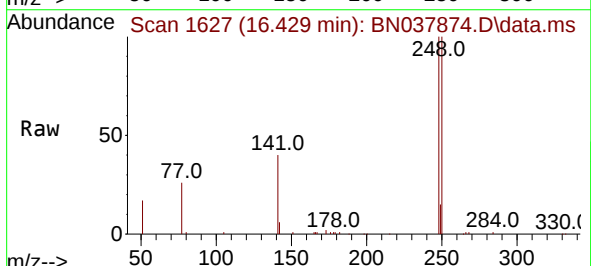
Tgt Ion:248 Resp: 15182

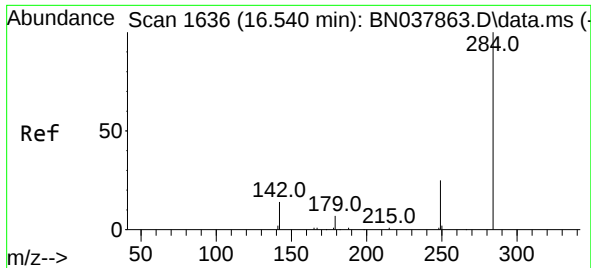
Ion Ratio Lower Upper

248 100

250 100.5 77.6 116.4

141 40.3 48.8 73.2#

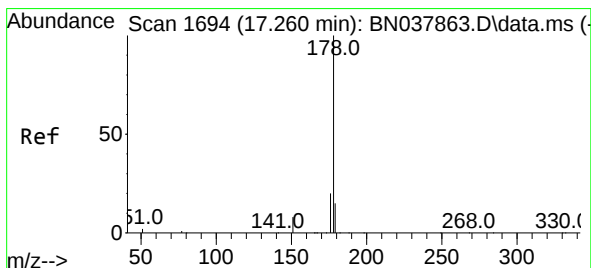
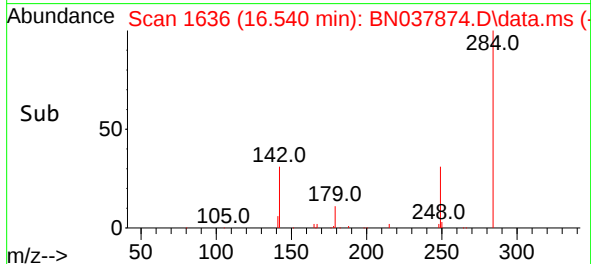
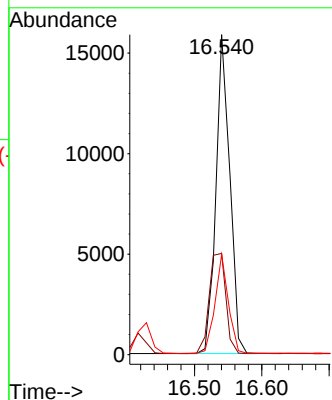
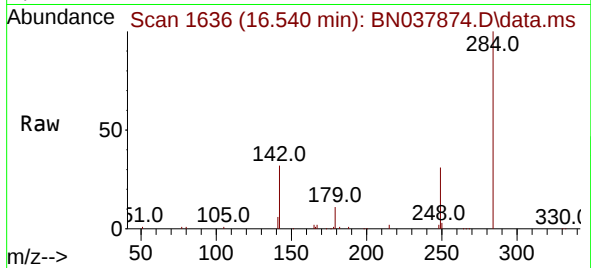




#22
Hexachlorobenzene
Concen: 1.621 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

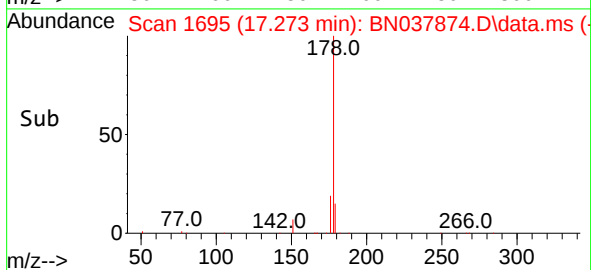
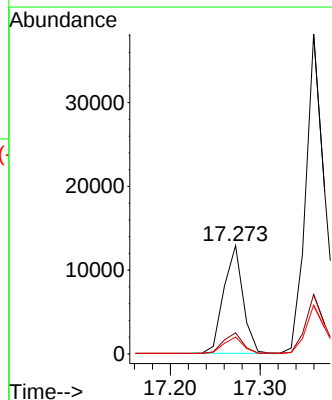
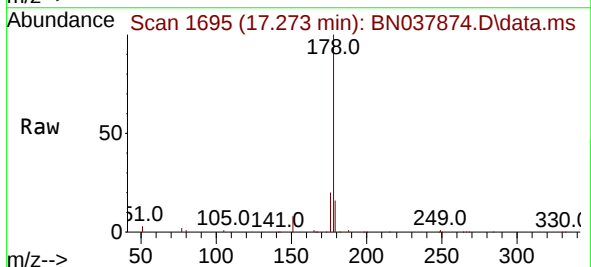
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WPDL

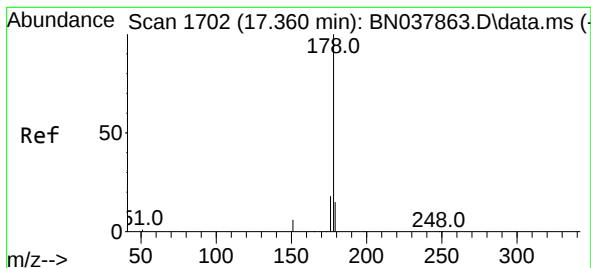
Tgt Ion:284 Resp: 22620
Ion Ratio Lower Upper
284 100
142 37.7 30.9 46.3
249 29.8 23.9 35.9



#25
Phenanthrene
Concen: 0.330 ng
RT: 17.273 min Scan# 1695
Delta R.T. 0.012 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:178 Resp: 19206
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.4 12.3 18.5

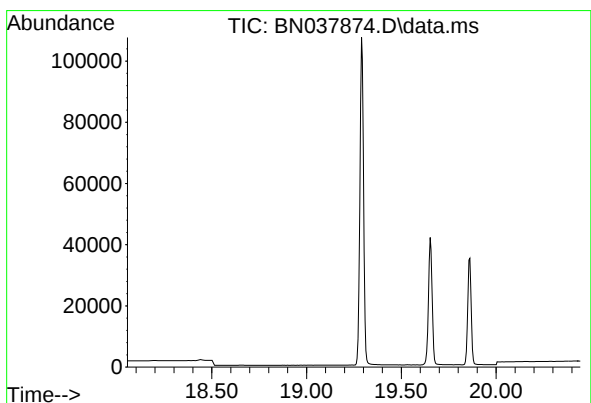
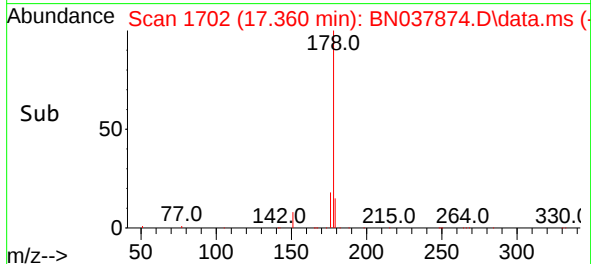
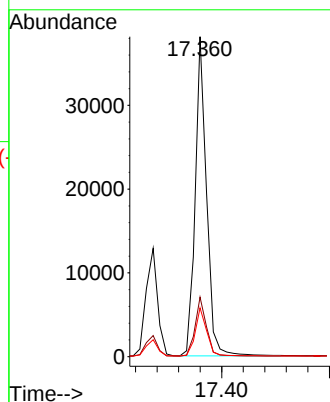
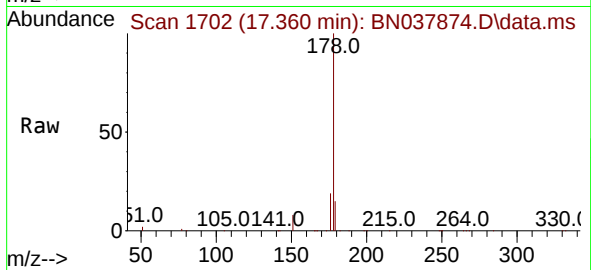




#26
 Anthracene
 Concen: 1.108 ng
 RT: 17.360 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

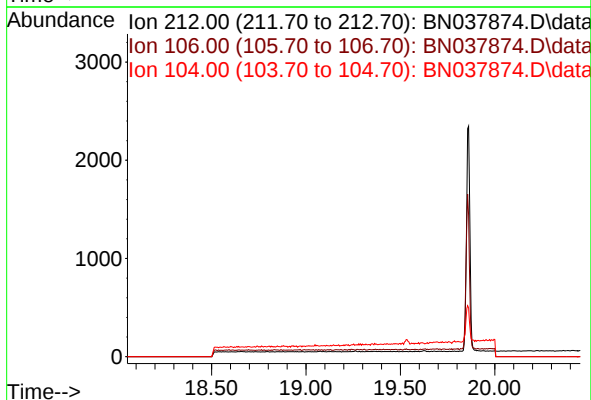
Instrument :
 BNA_N
 ClientSampleId :
 WP0925-PT-BN-WPDL

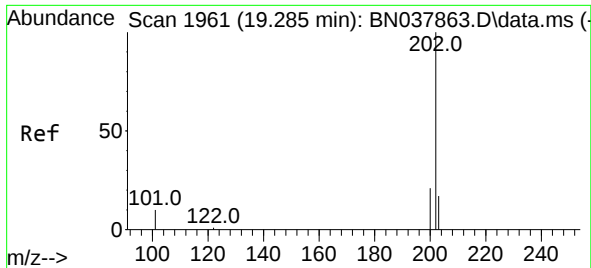
Tgt Ion:	178	Resp:	55860
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.0	22.4
179	15.3	12.3	18.5



#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.25 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion:	212
Sig	Exp Ratio
212	100
106	15.8
104	9.2

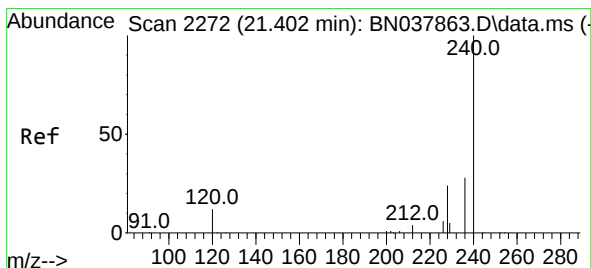
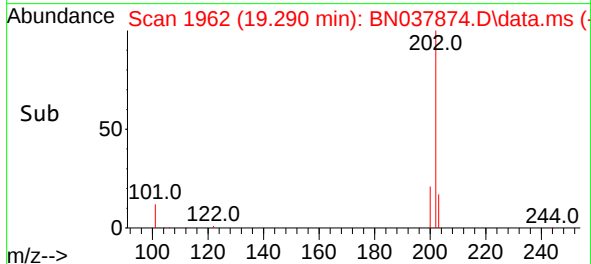
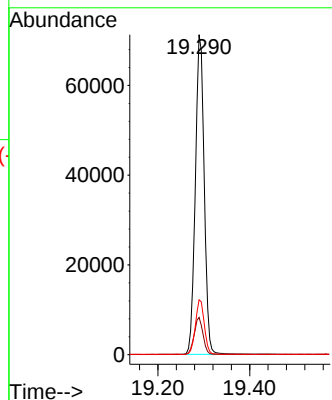
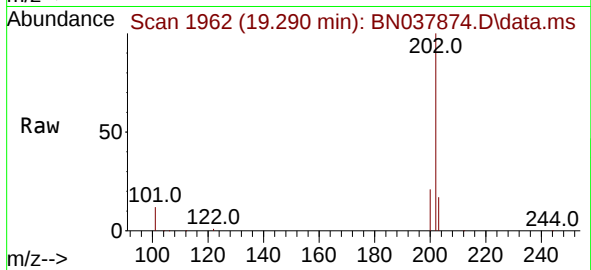




#28
Fluoranthene
Concen: 1.491 ng
RT: 19.290 min Scan# 1962
Delta R.T. 0.005 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

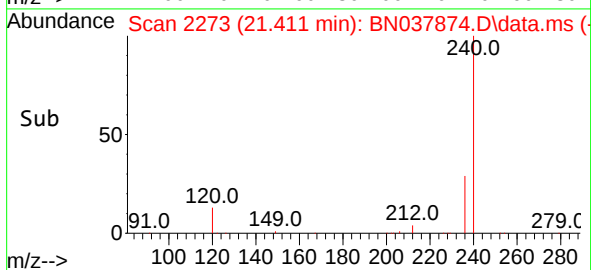
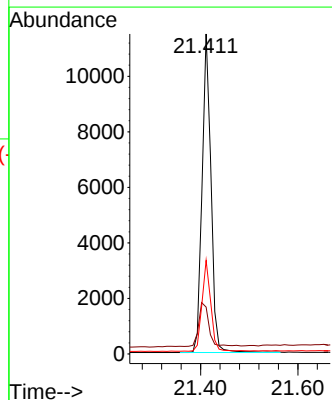
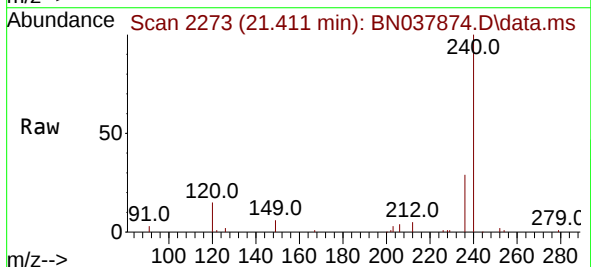
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WPDL

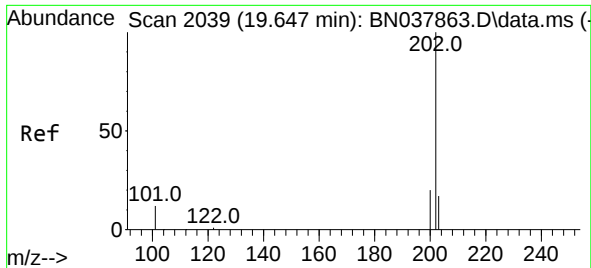
Tgt Ion:202 Resp: 95459
Ion Ratio Lower Upper
202 100
101 11.4 9.3 13.9
203 17.1 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.411 min Scan# 2273
Delta R.T. 0.009 min
Lab File: BN037874.D
Acq: 24 Sep 2025 13:36

Tgt Ion:240 Resp: 14506
Ion Ratio Lower Upper
240 100
120 14.7 11.4 17.2
236 29.2 23.0 34.6

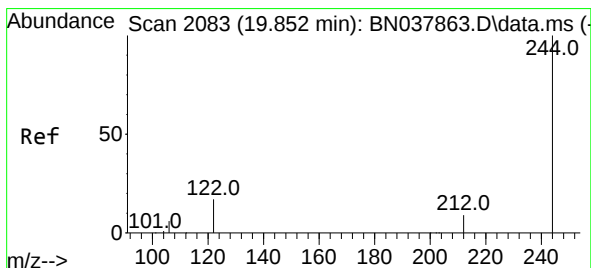
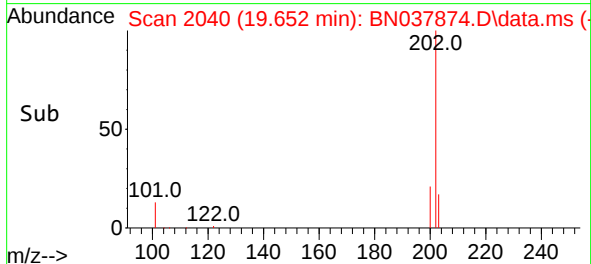
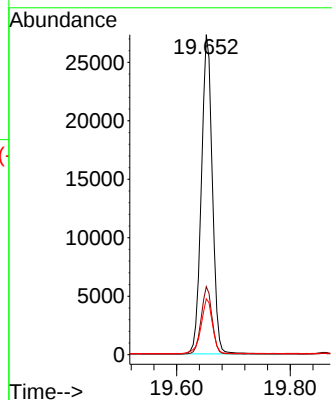
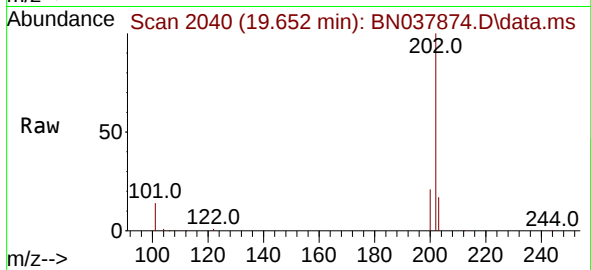




#30
 Pyrene
 Concen: 0.638 ng
 RT: 19.652 min Scan# 2040
 Delta R.T. 0.005 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

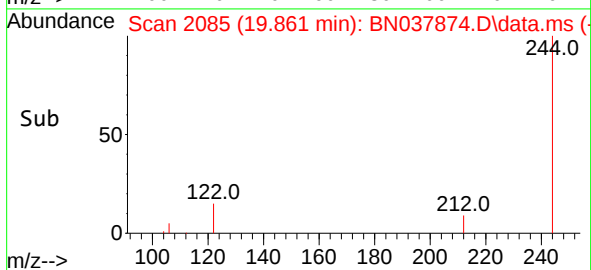
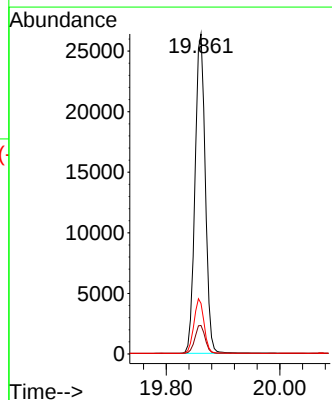
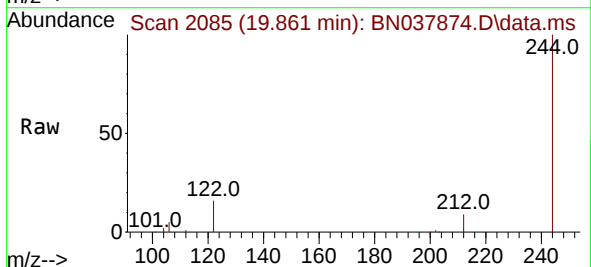
Instrument :
 BNA_N
 ClientSampleId :
 WP0925-PT-BN-WPDL

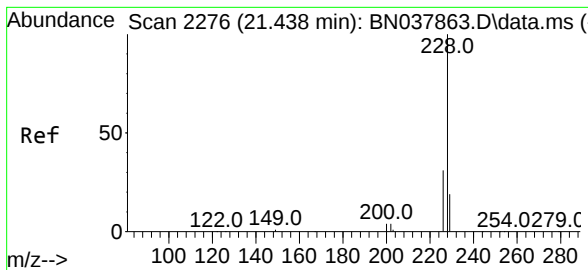
Tgt Ion:202 Resp: 36553
 Ion Ratio Lower Upper
 202 100
 200 21.0 16.7 25.1
 203 17.8 14.2 21.4



#31
 Terphenyl-d14
 Concen: 1.140 ng
 RT: 19.861 min Scan# 2085
 Delta R.T. 0.009 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion:244 Resp: 32937
 Ion Ratio Lower Upper
 244 100
 212 8.9 7.6 11.4
 122 15.8 13.9 20.9





#33

Chrysene

Concen: 0.453 ng

RT: 21.447 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

Instrument :

BNA_N

ClientSampleId :

WP0925-PT-BN-WPDL

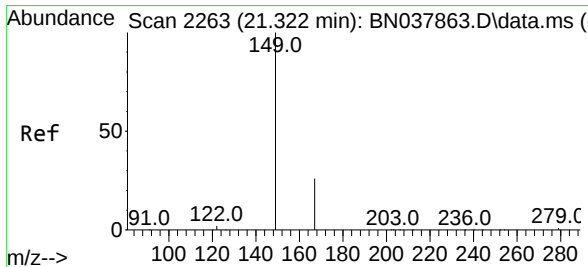
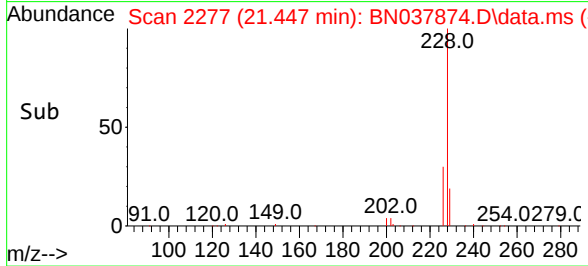
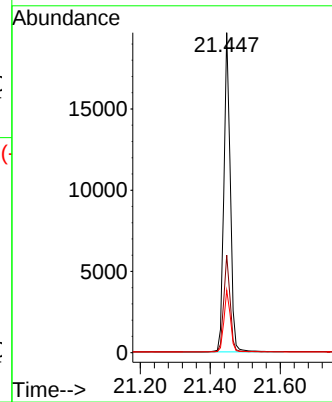
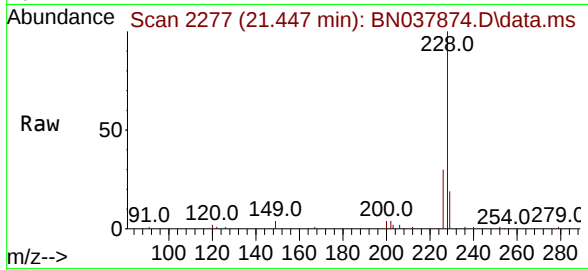
Tgt Ion:228 Resp: 24862

Ion Ratio Lower Upper

228 100

226 30.5 24.6 37.0

229 19.5 15.6 23.4



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.363 ng

RT: 21.331 min Scan# 2264

Delta R.T. 0.009 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

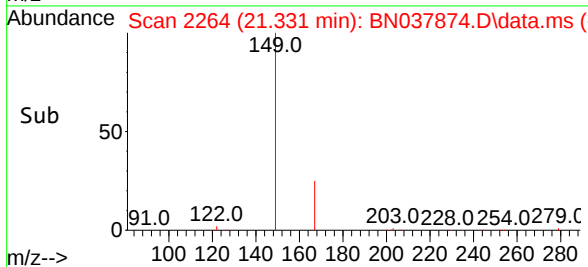
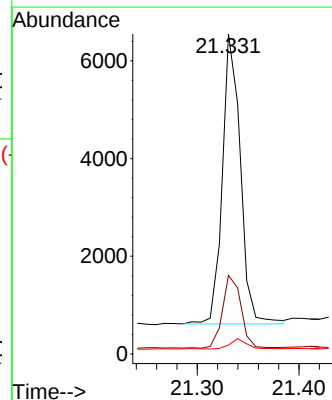
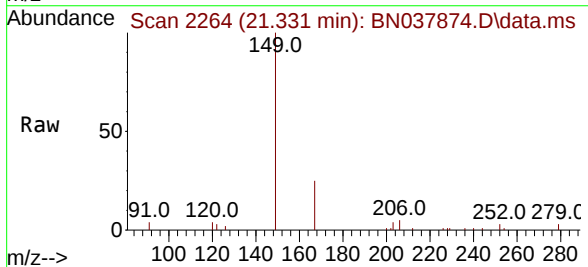
Tgt Ion:149 Resp: 7275

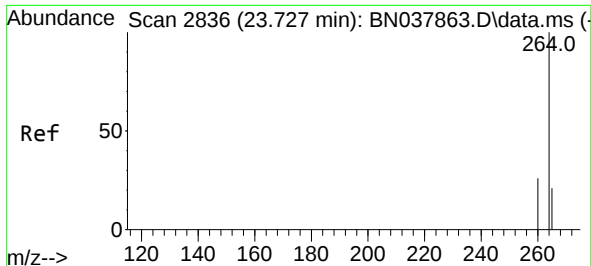
Ion Ratio Lower Upper

149 100

167 25.6 20.4 30.6

279 3.5 2.4 3.6

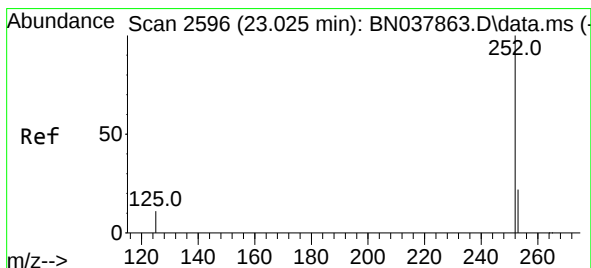
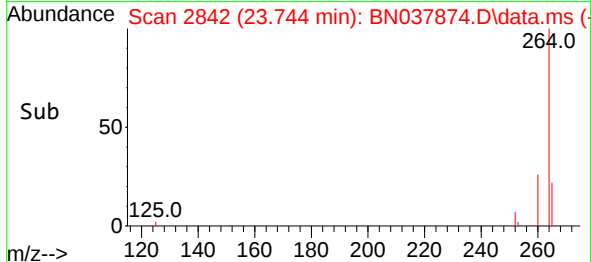
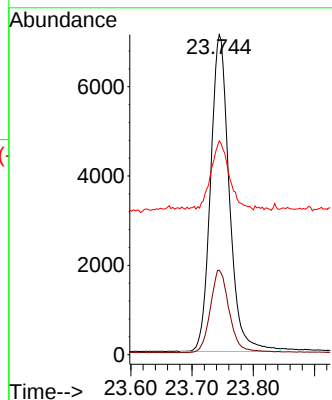
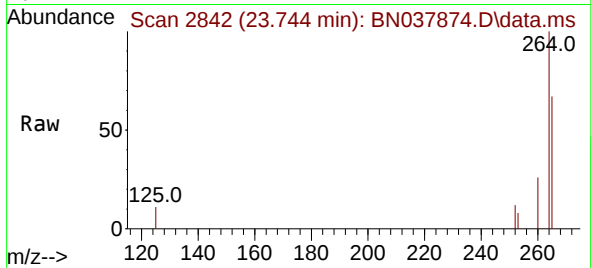




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.744 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

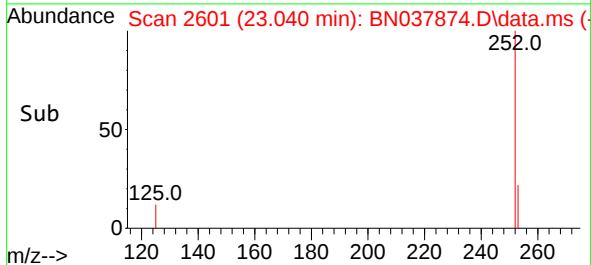
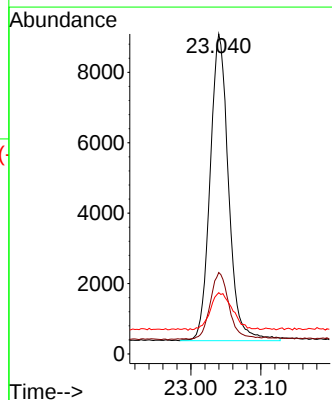
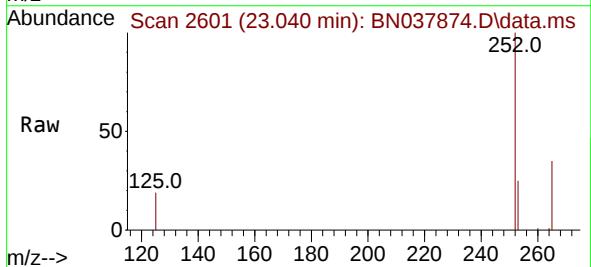
Instrument :
 BNA_N
 ClientSampleId :
 WP0925-PT-BN-WPDL

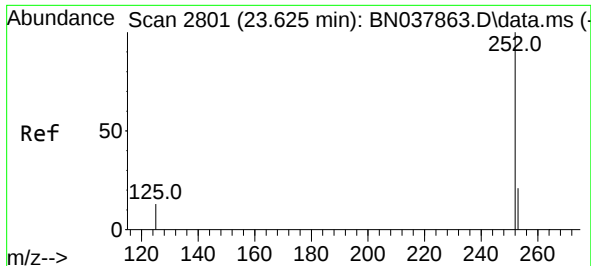
Tgt Ion:264 Resp: 15057
 Ion Ratio Lower Upper
 264 100
 260 26.4 21.5 32.3
 265 66.8 53.8 80.6



#37
 Benzo(b)fluoranthene
 Concen: 0.245 ng
 RT: 23.040 min Scan# 2601
 Delta R.T. 0.015 min
 Lab File: BN037874.D
 Acq: 24 Sep 2025 13:36

Tgt Ion:252 Resp: 15926
 Ion Ratio Lower Upper
 252 100
 253 25.5 19.4 29.0
 125 19.1 13.0 19.4





#39

Benzo(a)pyrene

Concen: 1.588 ng

RT: 23.642 min Scan# 21

Delta R.T. 0.018 min

Lab File: BN037874.D

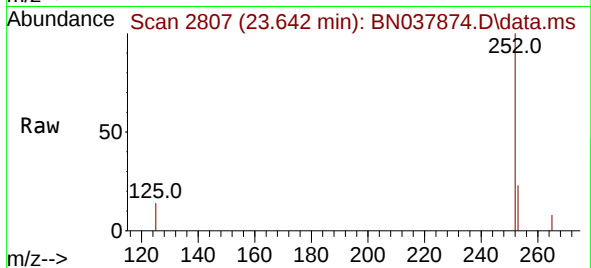
Acq: 24 Sep 2025 13:36

Instrument :

BNA_N

ClientSampleId :

WP0925-PT-BN-WPDL



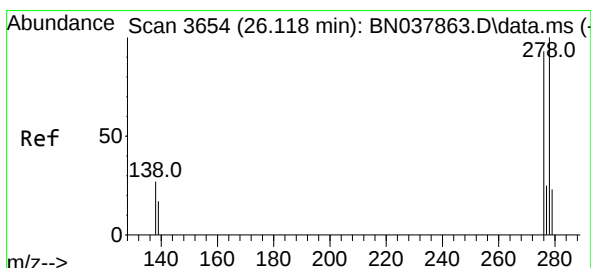
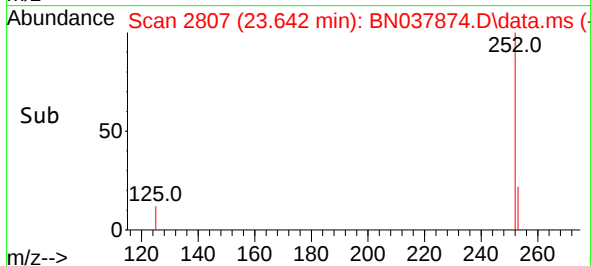
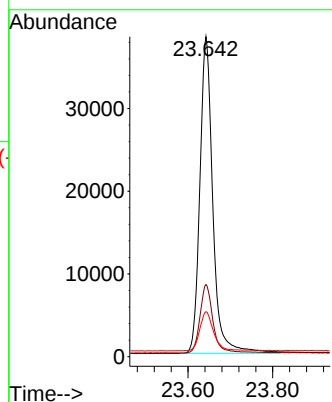
Tgt Ion:252 Resp: 81559

Ion Ratio Lower Upper

252 100

253 22.5 20.6 30.8

125 14.1 16.7 25.1#



#40

Dibenzo(a,h)anthracene

Concen: 1.368 ng

RT: 26.142 min Scan# 3662

Delta R.T. 0.023 min

Lab File: BN037874.D

Acq: 24 Sep 2025 13:36

Tgt Ion:278 Resp: 73494

Ion Ratio Lower Upper

278 100

139 18.3 15.4 23.2

279 24.2 20.8 31.2

