

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092425\
 Data File : BN037873.D
 Acq On : 24 Sep 2025 11:08
 Operator : RC/JU
 Sample : Q3015-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

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

Quant Time: Sep 24 11:33:42 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

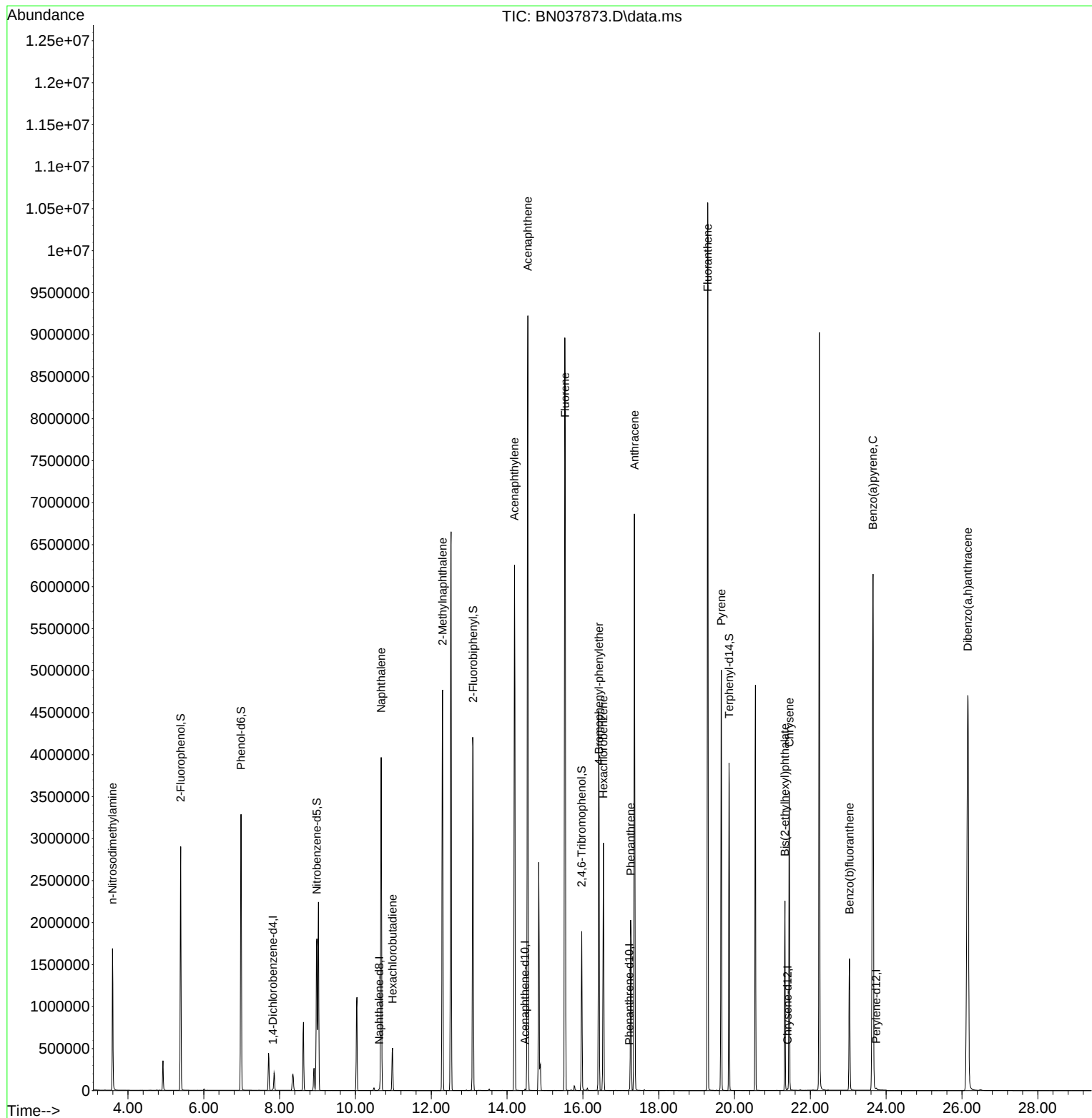
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.826	152	6052	0.400	ng	0.00
7) Naphthalene-d8	10.626	136	18152	0.400	ng	0.00
13) Acenaphthene-d10	14.473	164	9840	0.400	ng	0.00
19) Phenanthrene-d10	17.223	188	18760	0.400	ng	# 0.00
29) Chrysene-d12	21.402	240	17855	0.400	ng	# 0.00
35) Perylene-d12	23.742	264	17399	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	2218355	160.627	ng	0.00
5) Phenol-d6	6.981	99	2999659	165.309	ng	0.00
8) Nitrobenzene-d5	8.982	82	1517107	109.573	ng	0.01
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	15.970	330	971075	260.259	ng	0.00
15) 2-Fluorobiphenyl	13.105	172	3974195	98.654	ng	0.01
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	19.857	244	3718204	104.546	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.593	42	849670	103.958	ng	# 90
9) Naphthalene	10.680	128	5066536	101.313	ng	99
10) Hexachlorobutadiene	10.979	225	419957	49.234	ng	# 99
12) 2-Methylnaphthalene	12.299	142	3550564	108.692	ng	96
16) Acenaphthylene	14.195	152	6977962	156.185	ng	99
17) Acenaphthene	14.548	154	5042062	158.394	ng	92
18) Fluorene	15.535	166	4926752	127.952	ng	96
21) 4-Bromophenyl-phenylether	16.429	248	1841369	150.621	ng	# 78
22) Hexachlorobenzene	16.540	284	2374635	160.226	ng	97
25) Phenanthrene	17.260	178	2277940	36.899	ng	100
26) Anthracene	17.360	178	6925221	129.303	ng	99
28) Fluoranthene	19.294	202	9952096	146.375	ng	96
30) Pyrene	19.652	202	4547305	64.508	ng	99
33) Chrysene	21.447	228	3150830	46.693	ng	98
34) Bis(2-ethylhexyl)phtha...	21.331	149	1945035	78.798	ng	97
37) Benzo(b)fluoranthene	23.031	252	2033730	27.104	ng	# 93
39) Benzo(a)pyrene	23.654	252	10021605	168.881	ng	# 90
40) Dibenzo(a,h)anthracene	26.154	278	7880939	126.943	ng	98

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

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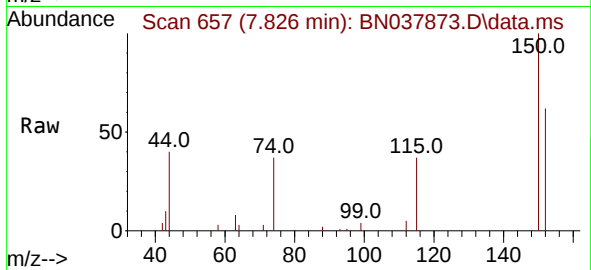
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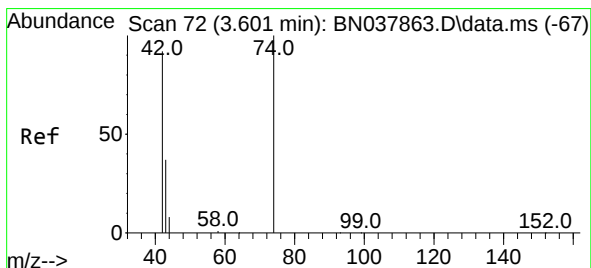
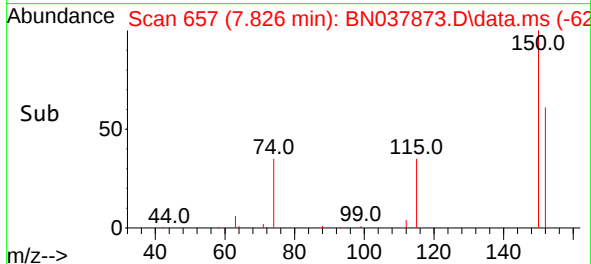
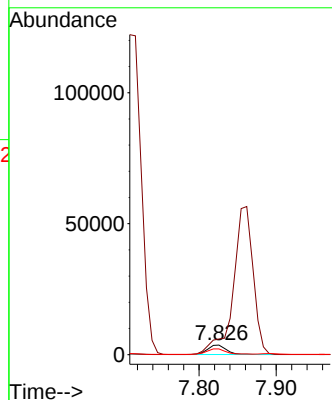


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.826 min Scan# 61
Delta R.T. 0.001 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Instrument :
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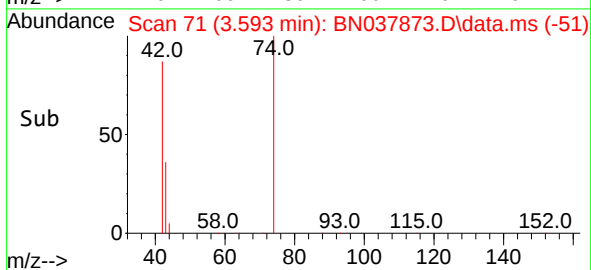
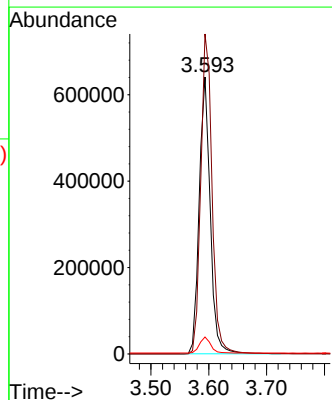
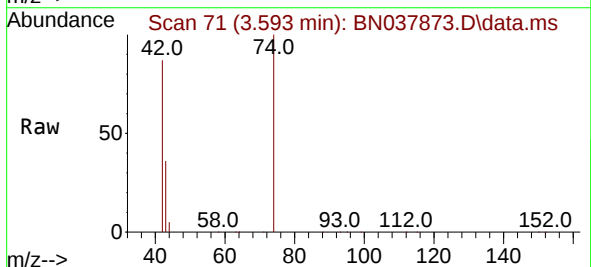


Tgt Ion:152 Resp: 6052
Ion Ratio Lower Upper
152 100
150 162.3 121.0 181.4
115 59.7 47.4 71.0



#3
n-Nitrosodimethylamine
Concen: 103.958 ng
RT: 3.593 min Scan# 71
Delta R.T. -0.007 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion: 42 Resp: 849670
Ion Ratio Lower Upper
42 100
74 119.0 93.4 140.0
44 5.9 22.2 33.4#

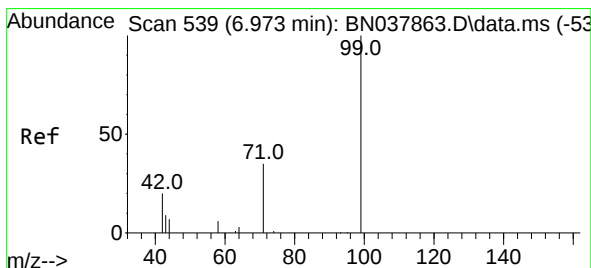
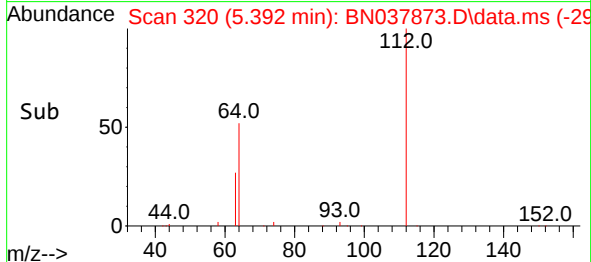
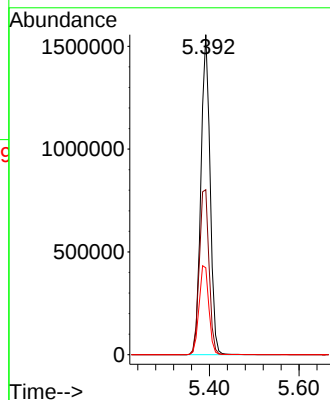
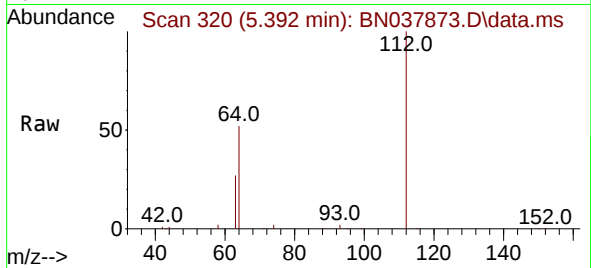




#4
2-Fluorophenol
Concen: 160.627 ng
RT: 5.392 min Scan# 31
Delta R.T. 0.007 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

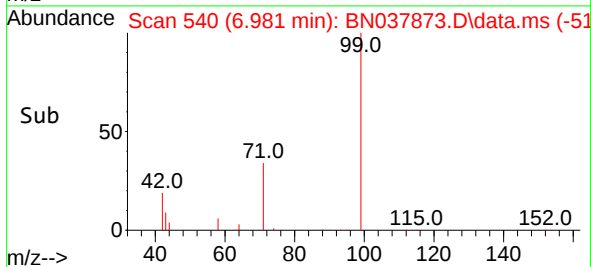
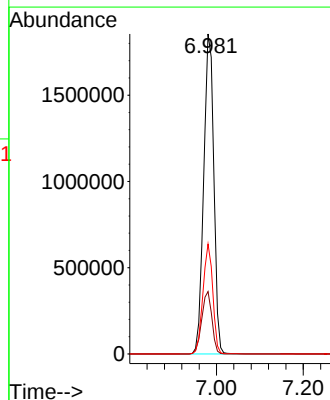
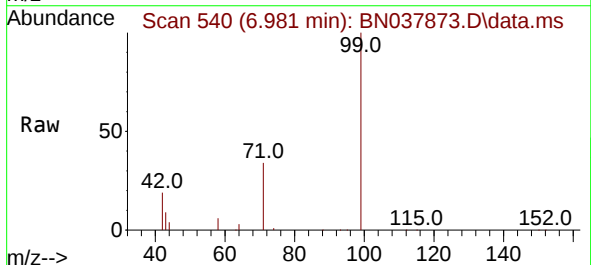
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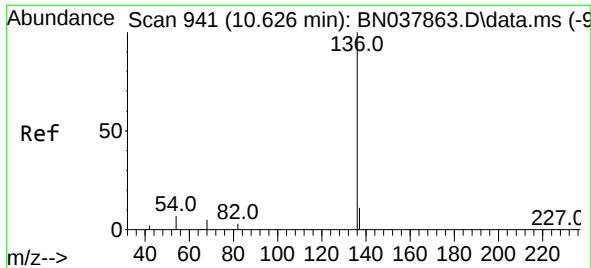
Tgt Ion:112 Resp: 2218355
Ion Ratio Lower Upper
112 100
64 55.2 44.6 66.8
63 29.7 24.9 37.3



#5
Phenol-d6
Concen: 165.309 ng
RT: 6.981 min Scan# 540
Delta R.T. 0.007 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion: 99 Resp: 2999659
Ion Ratio Lower Upper
99 100
42 19.5 17.2 25.8
71 33.4 27.3 40.9

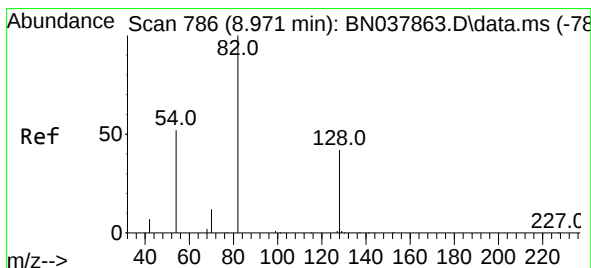
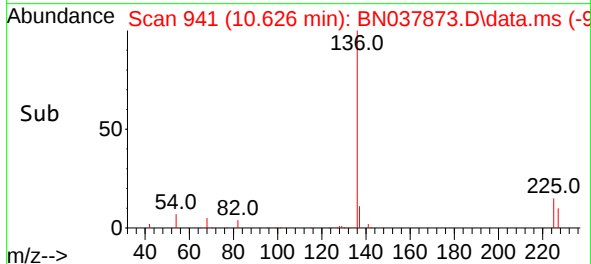
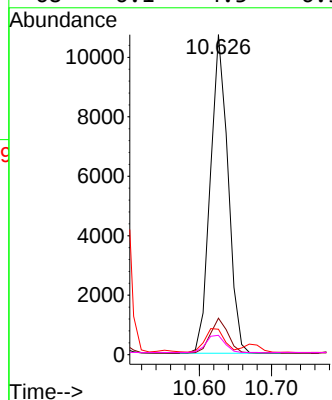
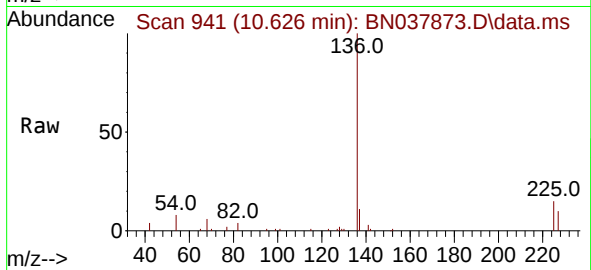




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

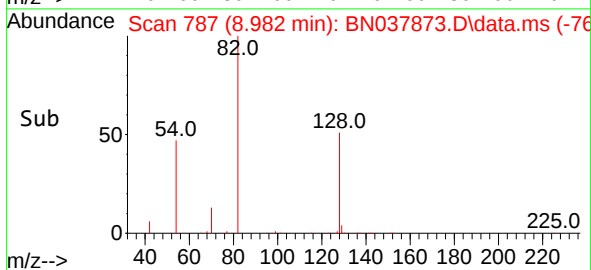
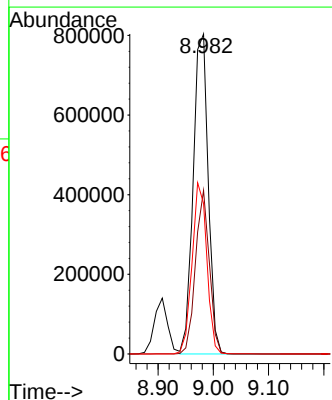
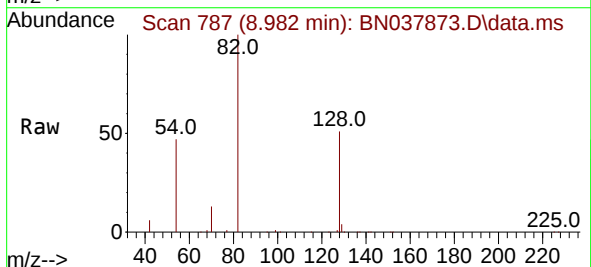
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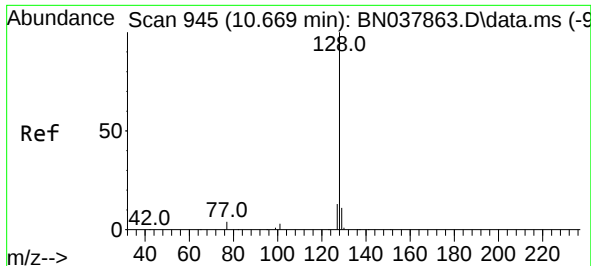
Tgt Ion:	136	Resp:	18152
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	7.9	5.8	8.8
68	6.1	4.3	6.5



#8
Nitrobenzene-d5
Concen: 109.573 ng
RT: 8.982 min Scan# 787
Delta R.T. 0.011 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:	82	Resp:	1517107
Ion	Ratio	Lower	Upper
82	100		
128	51.1	34.8	52.2
54	47.1	42.2	63.2

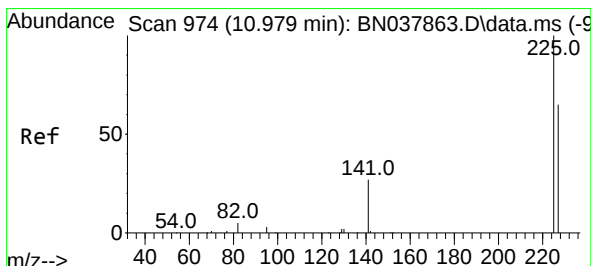
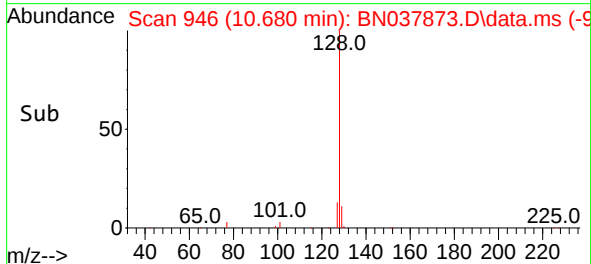
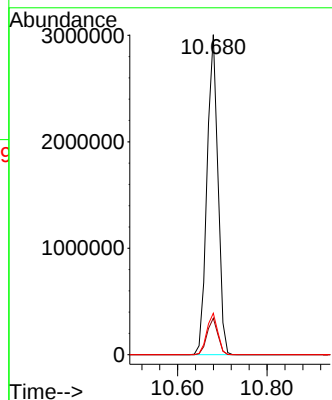
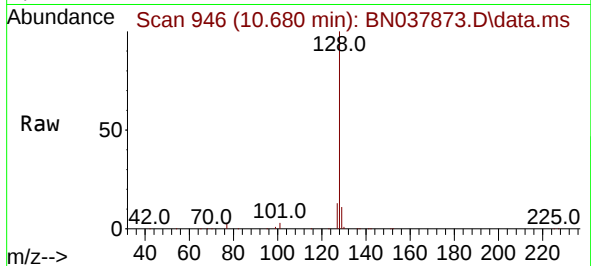




#9
Naphthalene
Concen: 101.313 ng
RT: 10.680 min Scan# 945
Delta R.T. 0.011 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

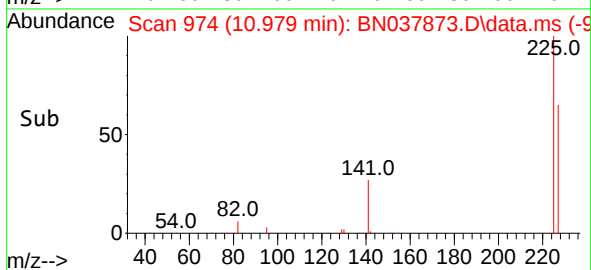
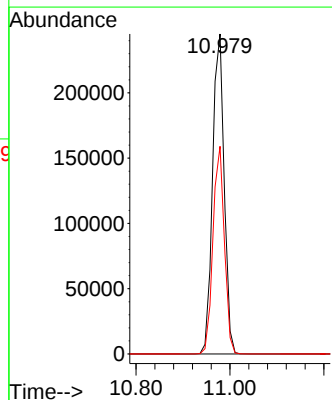
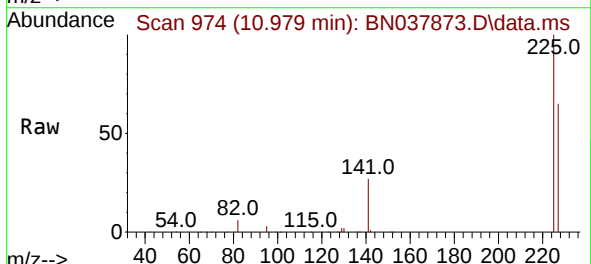
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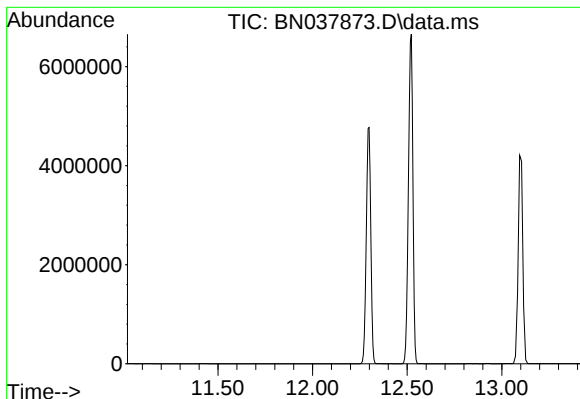
Tgt Ion:128 Resp: 5066536
Ion Ratio Lower Upper
128 100
129 11.4 9.2 13.8
127 13.0 11.0 16.6



#10
Hexachlorobutadiene
Concen: 49.234 ng
RT: 10.979 min Scan# 974
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:225 Resp: 419957
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.8 51.4 77.2

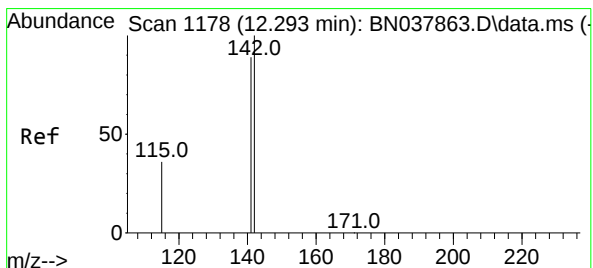
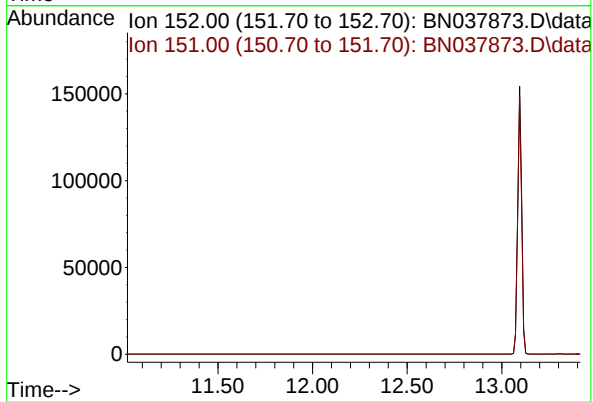




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.22 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

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

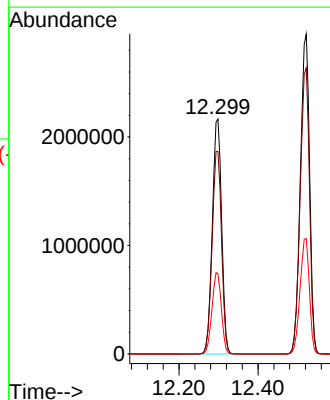
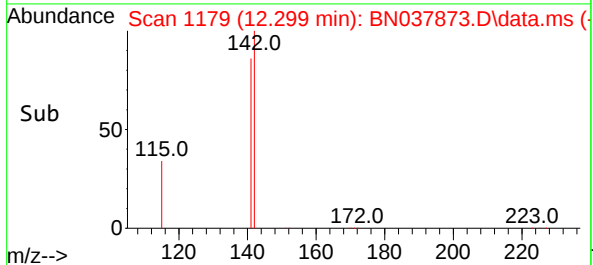
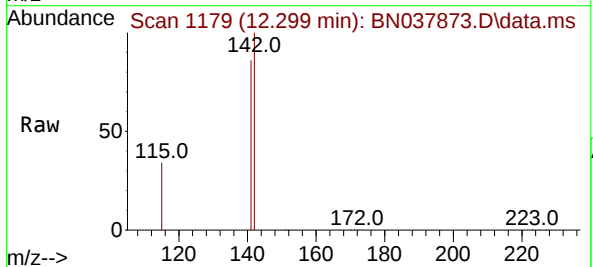
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.8

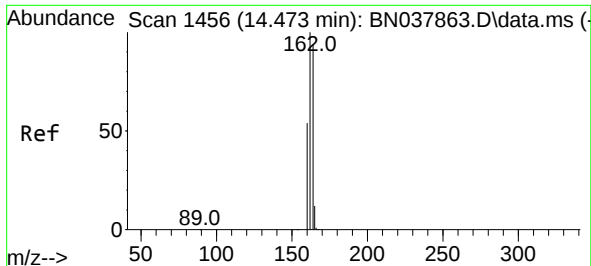


#12
 2-Methylnaphthalene
 Concen: 108.692 ng
 RT: 12.299 min Scan# 1179
 Delta R.T. 0.005 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

Tgt Ion: 142 Resp: 3550564

Ion	Ratio	Lower	Upper
142	100		
141	86.3	71.2	106.8
115	34.1	29.7	44.5

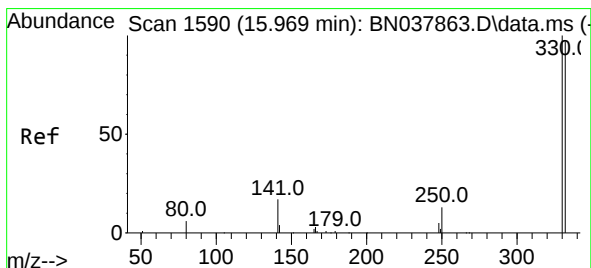
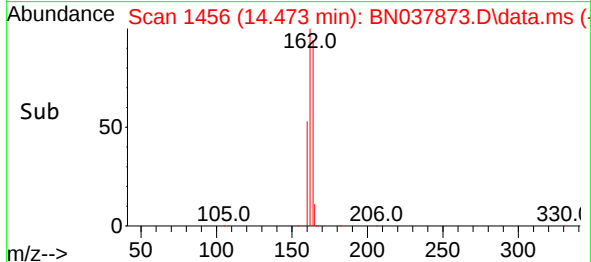
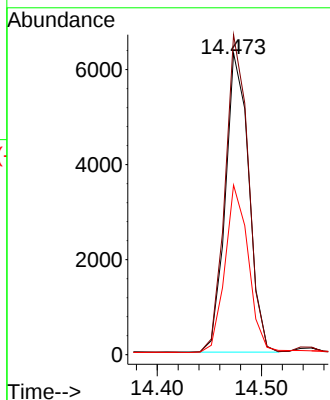
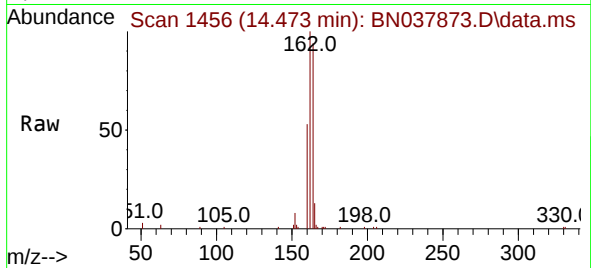




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.473 min Scan# 1456
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

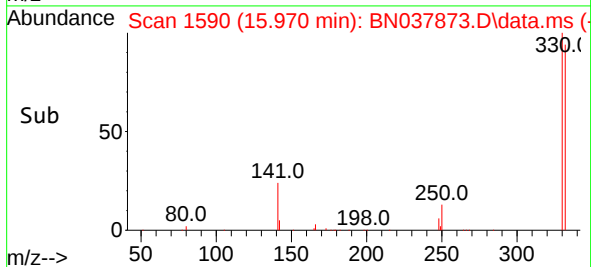
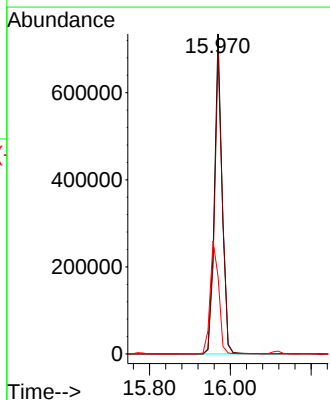
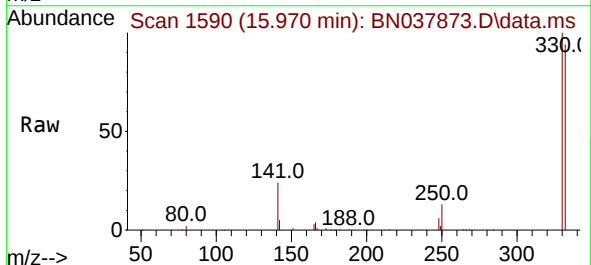
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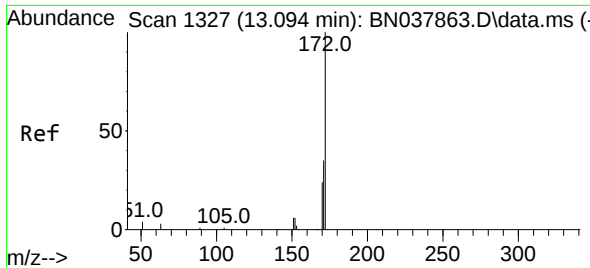
Tgt Ion:164 Resp: 9840
Ion Ratio Lower Upper
164 100
162 106.1 84.8 127.2
160 56.2 46.1 69.1



#14
2,4,6-Tribromophenol
Concen: 260.259 ng
RT: 15.970 min Scan# 1590
Delta R.T. 0.001 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:330 Resp: 971075
Ion Ratio Lower Upper
330 100
332 95.3 77.2 115.8
141 39.5 37.2 55.8

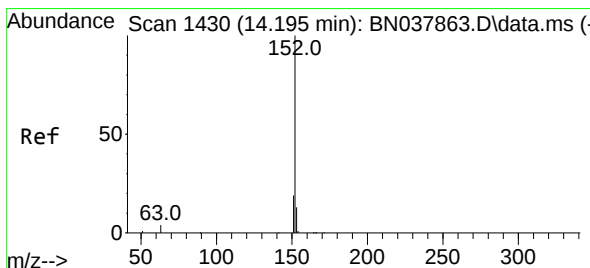
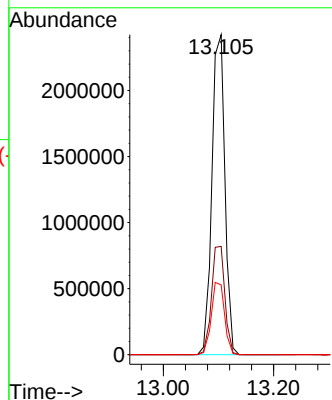
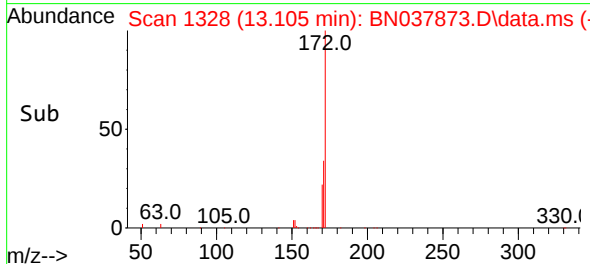
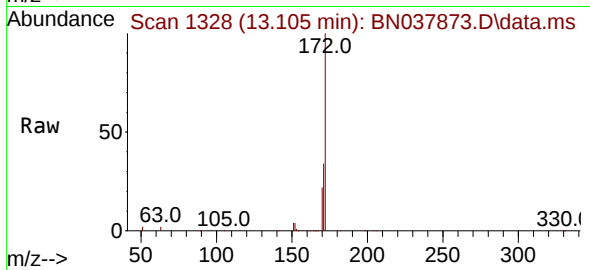




#15
2-Fluorobiphenyl
Concen: 98.654 ng
RT: 13.105 min Scan# 1328
Delta R.T. 0.011 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

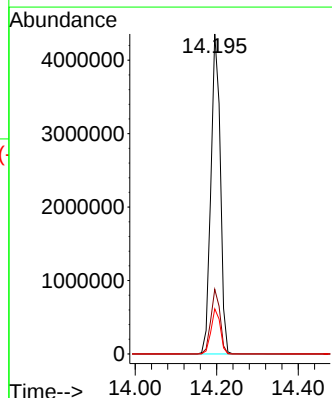
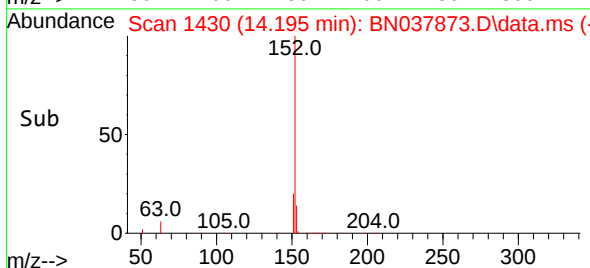
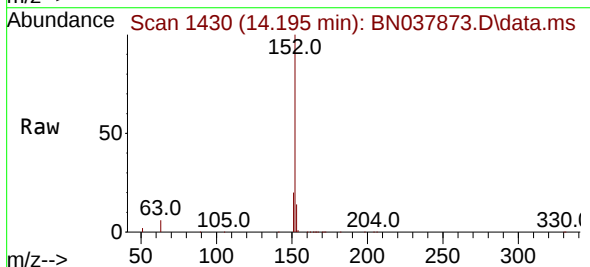
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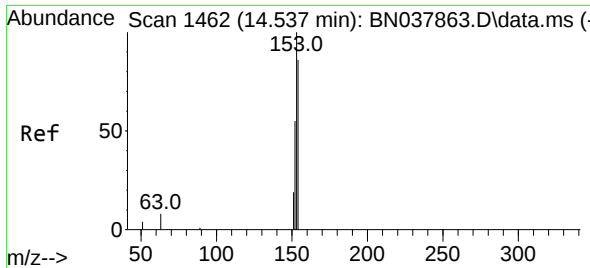
Tgt Ion:172 Resp: 3974195
Ion Ratio Lower Upper
172 100
171 33.8 28.6 43.0
170 21.8 19.7 29.5



#16
Acenaphthylene
Concen: 156.185 ng
RT: 14.195 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:152 Resp: 6977962
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 13.8 10.5 15.7

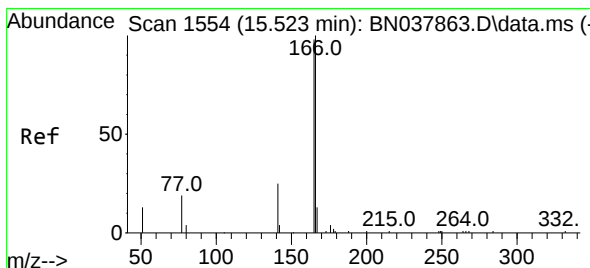
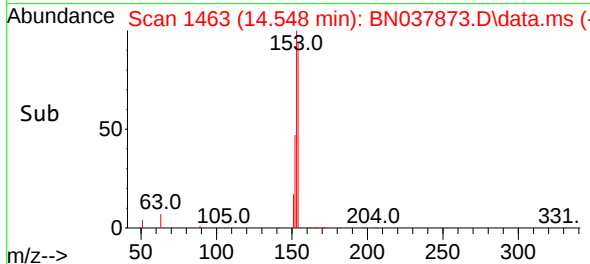
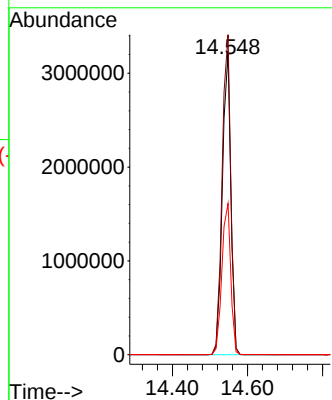
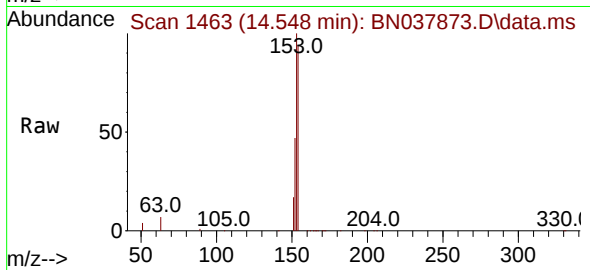




#17
Acenaphthene
Concen: 158.394 ng
RT: 14.548 min Scan# 1463
Delta R.T. 0.011 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

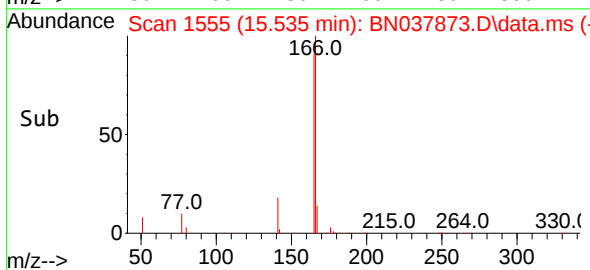
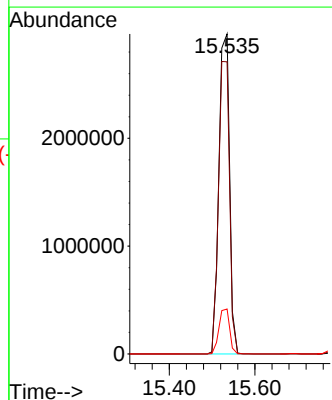
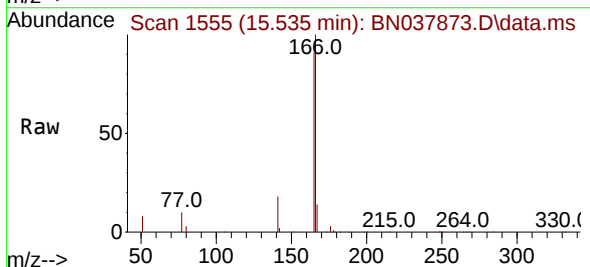
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WP

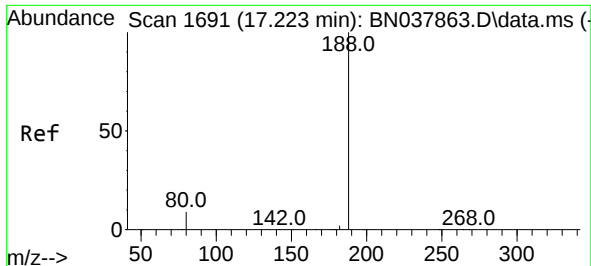
Tgt Ion:154 Resp: 5042062
Ion Ratio Lower Upper
154 100
153 108.9 90.5 135.7
152 52.3 51.8 77.8



#18
Fluorene
Concen: 127.952 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.013 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:166 Resp: 4926752
Ion Ratio Lower Upper
166 100
165 94.7 79.0 118.4
167 14.1 10.6 16.0

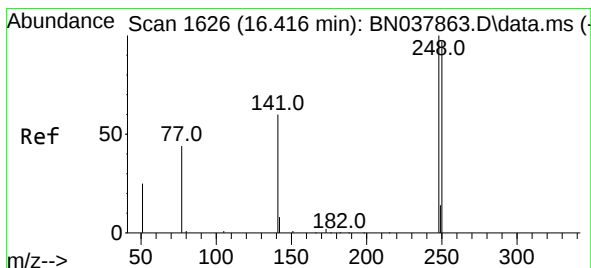
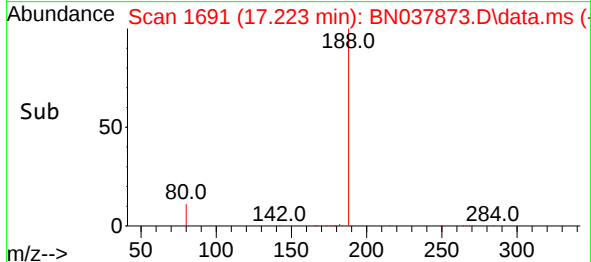
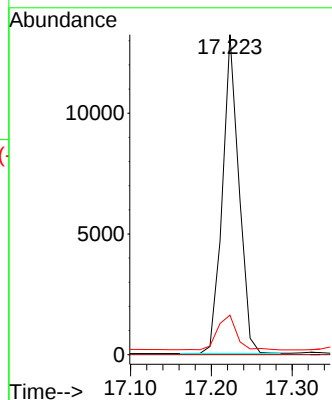
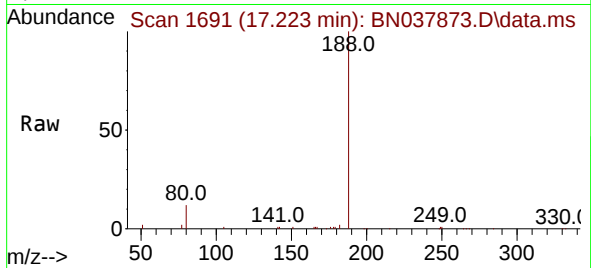




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

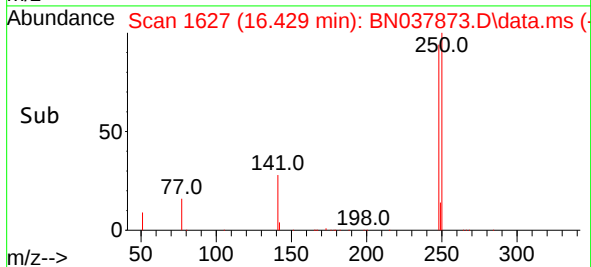
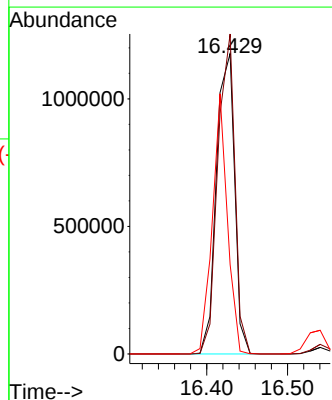
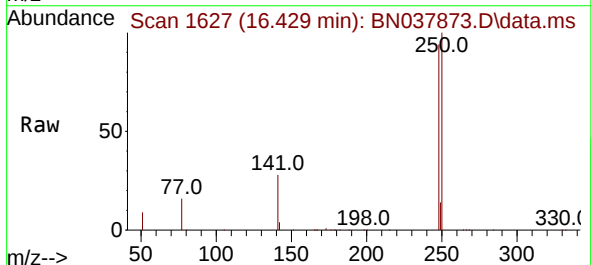
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WP

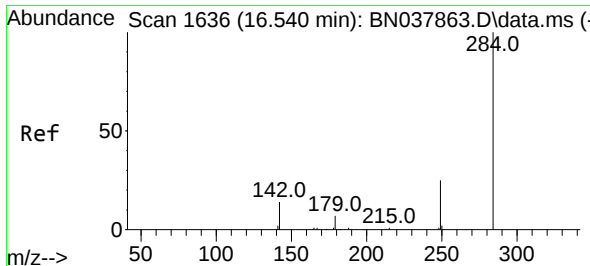
Tgt Ion:188 Resp: 18760
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 12.4 7.6 11.4#



#21
4-Bromophenyl-phenylether
Concen: 150.621 ng
RT: 16.429 min Scan# 1627
Delta R.T. 0.013 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:248 Resp: 1841369
Ion Ratio Lower Upper
248 100
250 106.5 77.6 116.4
141 29.7 48.8 73.2#

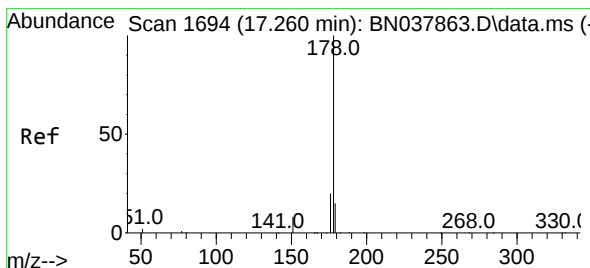
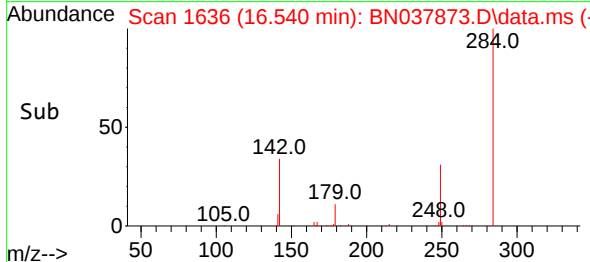
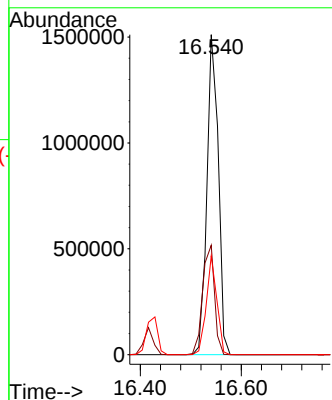
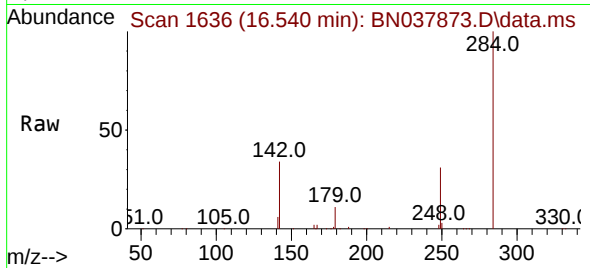




#22
Hexachlorobenzene
Concen: 160.226 ng
RT: 16.540 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

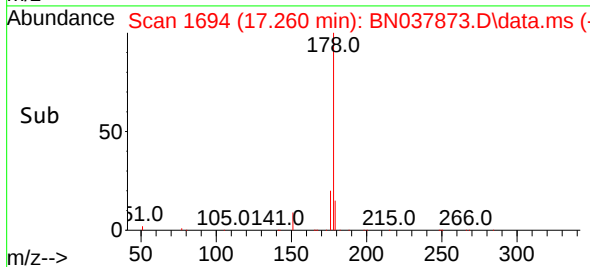
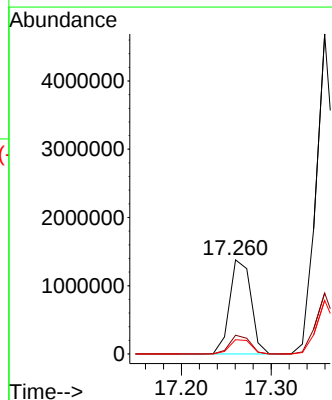
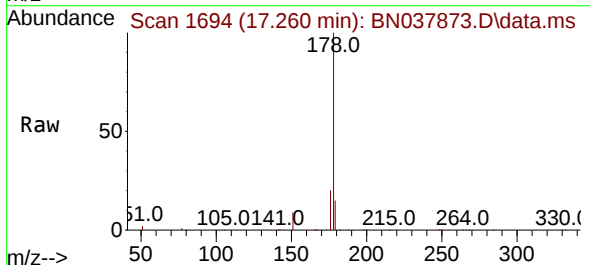
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WP

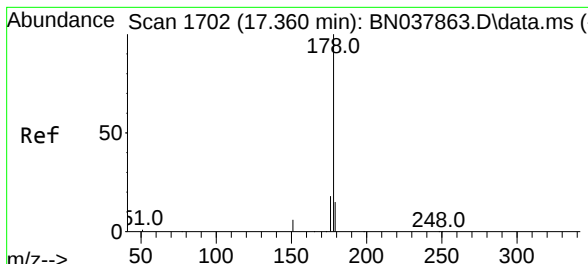
Tgt Ion:284 Resp: 2374635
Ion Ratio Lower Upper
284 100
142 35.8 30.9 46.3
249 28.8 23.9 35.9



#25
Phenanthrene
Concen: 36.899 ng
RT: 17.260 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:178 Resp: 2277940
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.4 12.3 18.5



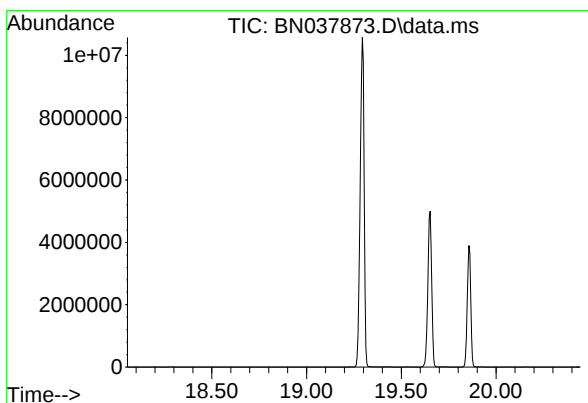
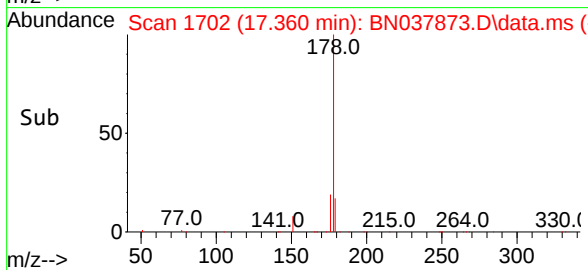
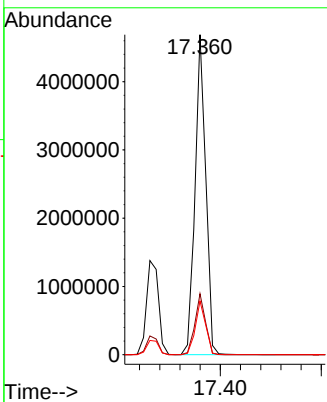
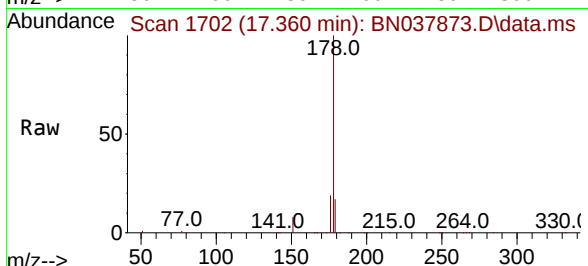


#26
 Anthracene
 Concen: 129.303 ng
 RT: 17.360 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

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

Tgt Ion:178 Resp: 6925221

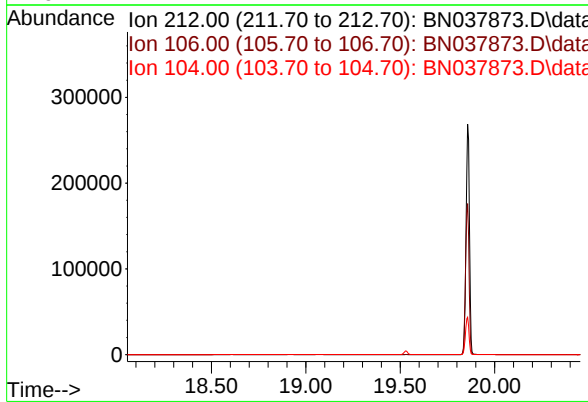
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	16.3	12.3	18.5

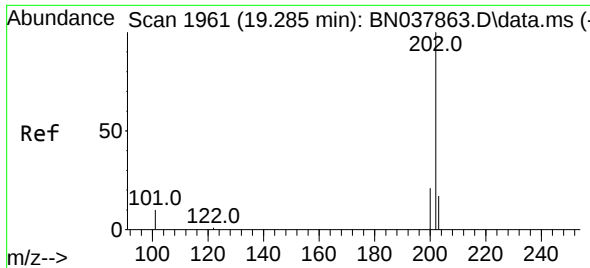


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.25 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	15.8
104	9.2

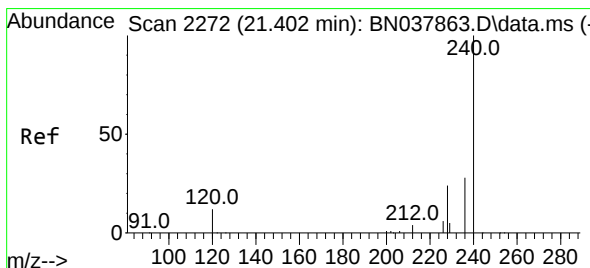
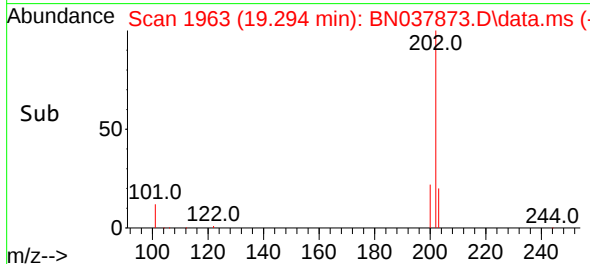
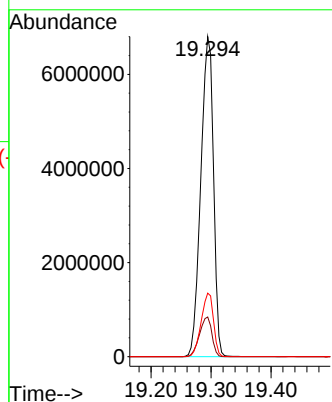
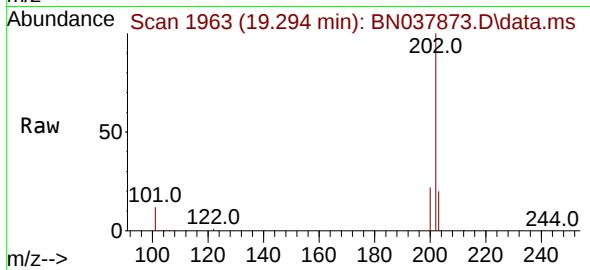




#28
Fluoranthene
Concen: 146.375 ng
RT: 19.294 min Scan# 1963
Delta R.T. 0.009 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

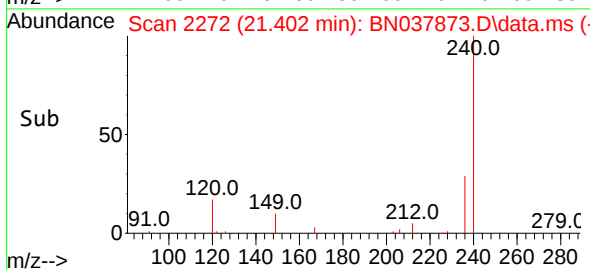
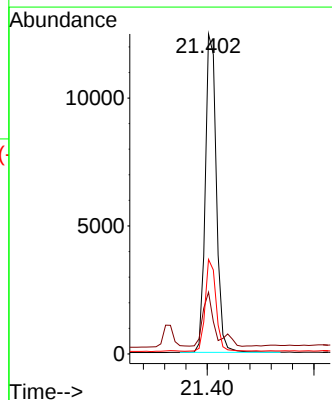
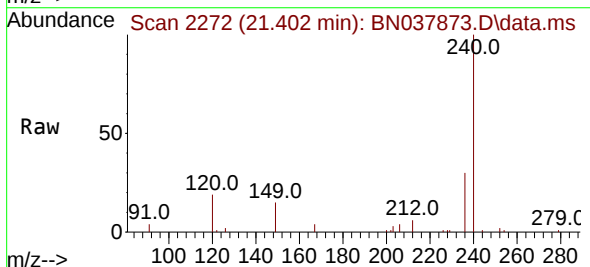
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WP

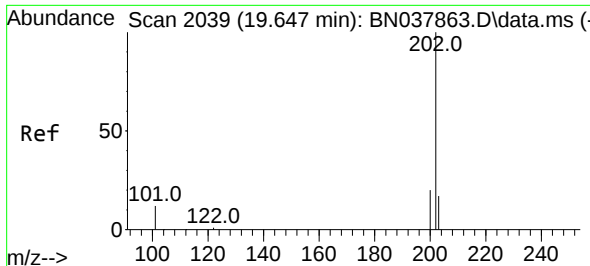
Tgt Ion:202 Resp: 9952096
Ion Ratio Lower Upper
202 100
101 12.2 9.3 13.9
203 19.2 13.6 20.4



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.402 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:240 Resp: 17855
Ion Ratio Lower Upper
240 100
120 19.3 11.4 17.2#
236 29.5 23.0 34.6

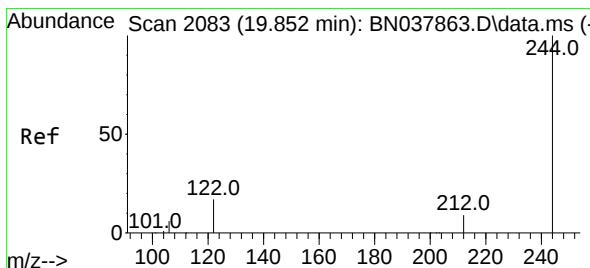
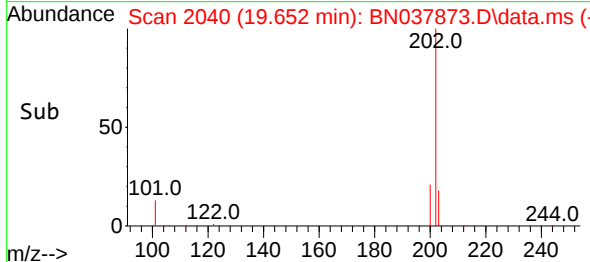
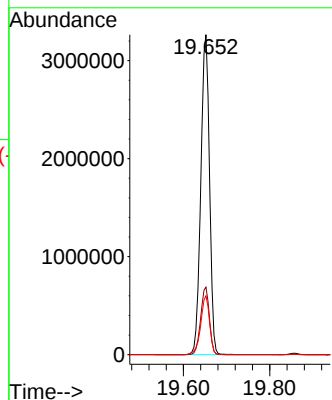
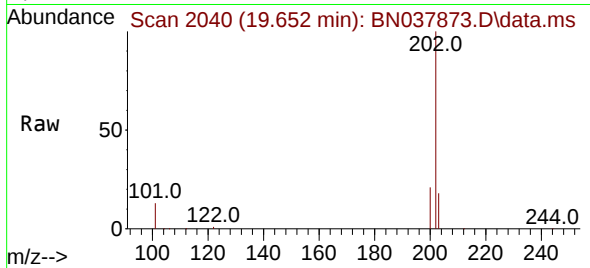




#30
Pyrene
Concen: 64.508 ng
RT: 19.652 min Scan# 2040
Delta R.T. 0.005 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

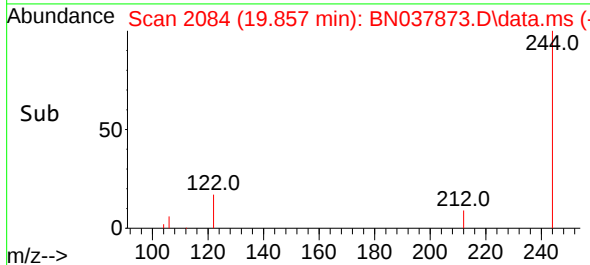
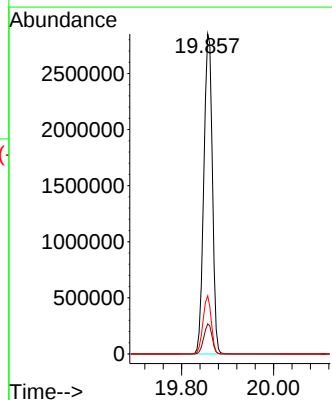
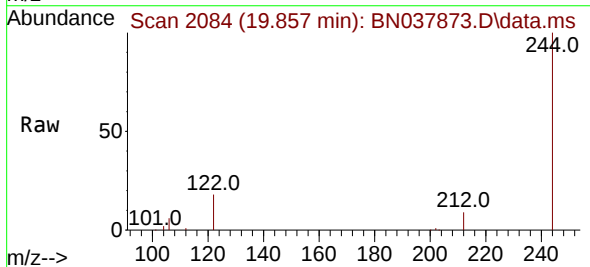
Instrument :
BNA_N
ClientSampleId :
WP0925-PT-BN-WP

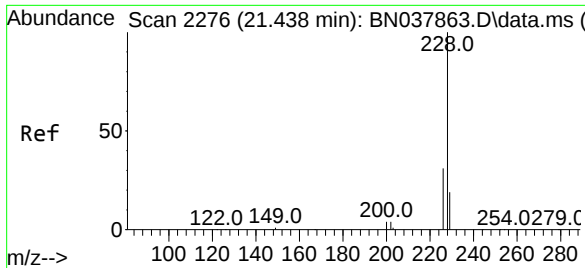
Tgt Ion:202 Resp: 4547305
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 18.8 14.2 21.4



#31
Terphenyl-d14
Concen: 104.546 ng
RT: 19.857 min Scan# 2084
Delta R.T. 0.005 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:244 Resp: 3718204
Ion Ratio Lower Upper
244 100
212 9.4 7.6 11.4
122 18.2 13.9 20.9

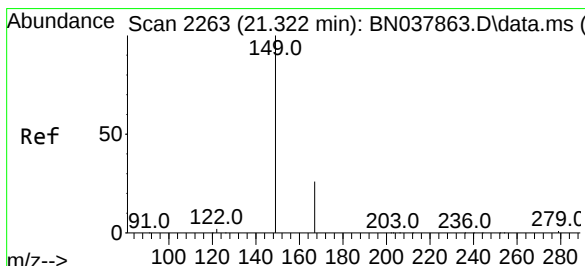
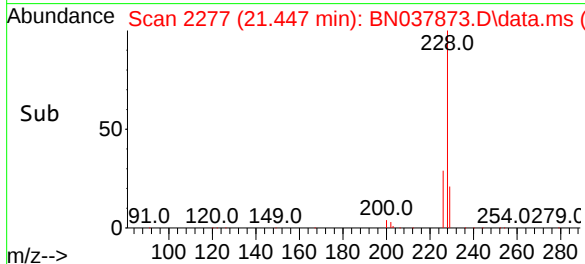
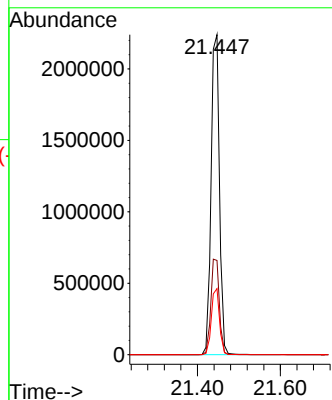
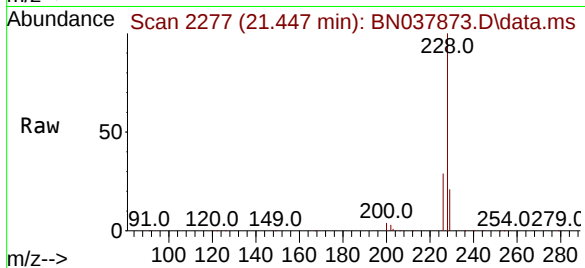




#33
 Chrysene
 Concen: 46.693 ng
 RT: 21.447 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

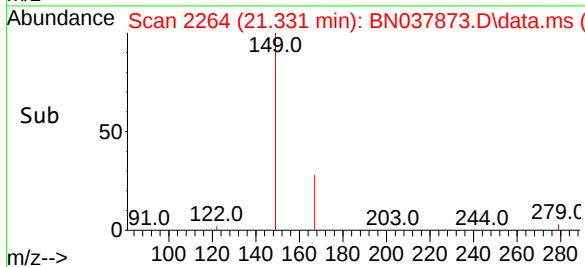
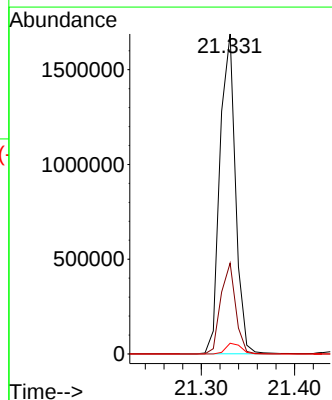
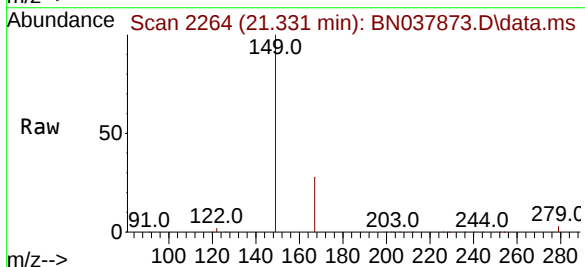
Instrument :
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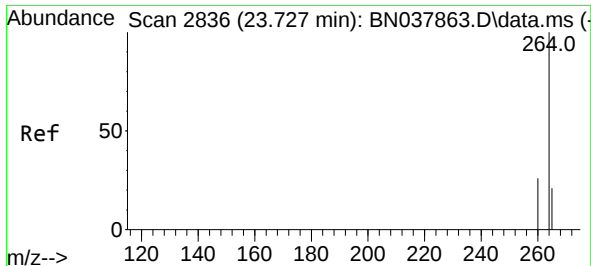
Tgt Ion:228 Resp: 3150830
 Ion Ratio Lower Upper
 228 100
 226 29.4 24.6 37.0
 229 20.6 15.6 23.4



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 78.798 ng
 RT: 21.331 min Scan# 2264
 Delta R.T. 0.009 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

Tgt Ion:149 Resp: 1945035
 Ion Ratio Lower Upper
 149 100
 167 27.4 20.4 30.6
 279 3.3 2.4 3.6

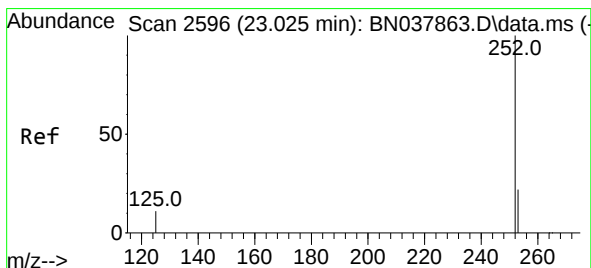
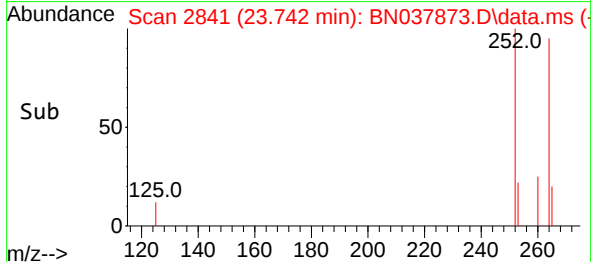
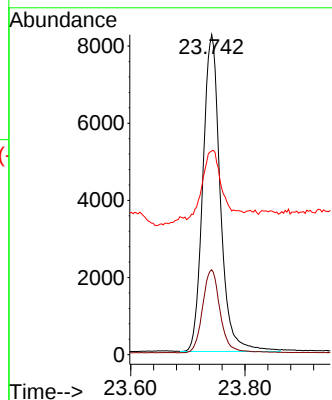
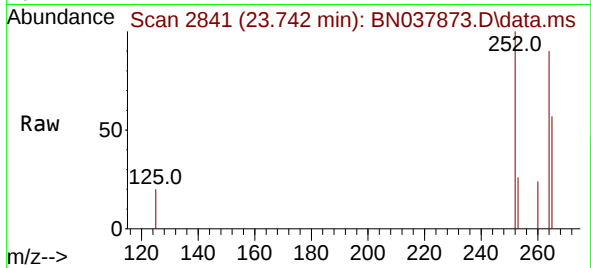




#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.742 min Scan# 21
 Delta R.T. 0.015 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

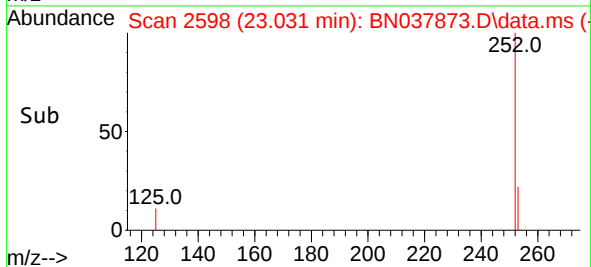
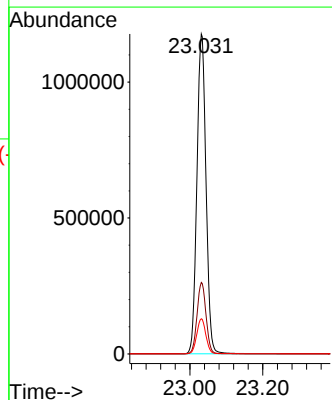
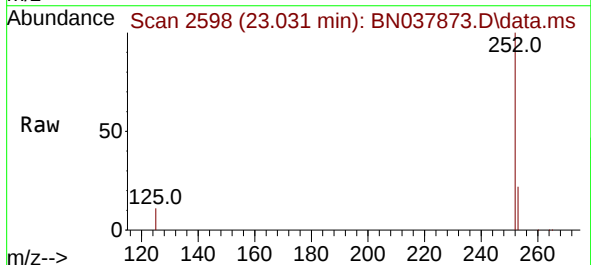
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 WP0925-PT-BN-WP

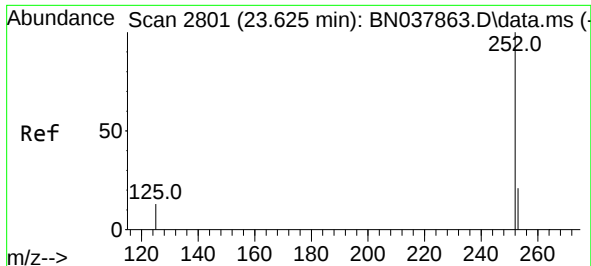
Tgt Ion:264 Resp: 17399
 Ion Ratio Lower Upper
 264 100
 260 26.5 21.5 32.3
 265 63.7 53.8 80.6



#37
 Benzo(b)fluoranthene
 Concen: 27.104 ng
 RT: 23.031 min Scan# 2598
 Delta R.T. 0.006 min
 Lab File: BN037873.D
 Acq: 24 Sep 2025 11:08

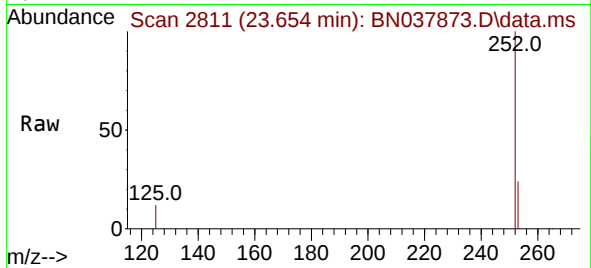
Tgt Ion:252 Resp: 2033730
 Ion Ratio Lower Upper
 252 100
 253 22.4 19.4 29.0
 125 11.0 13.0 19.4#



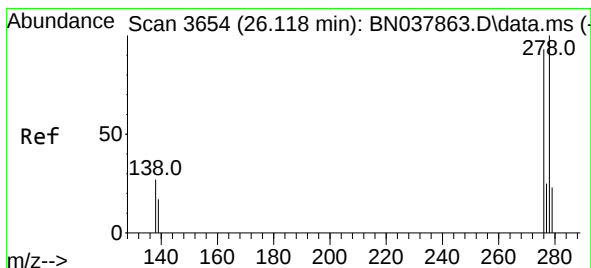
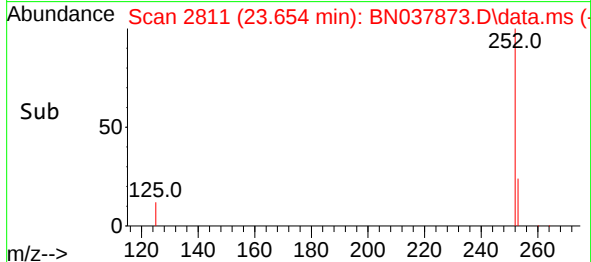
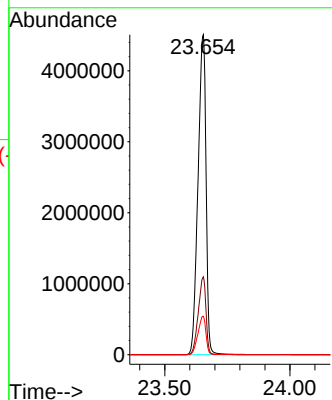


#39
Benzo(a)pyrene
Concen: 168.881 ng
RT: 23.654 min Scan# 2811
Delta R.T. 0.029 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

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



Tgt Ion:252 Resp:10021605
Ion Ratio Lower Upper
252 100
253 24.3 20.6 30.8
125 12.0 16.7 25.1#



#40
Dibenzo(a,h)anthracene
Concen: 126.943 ng
RT: 26.154 min Scan# 3666
Delta R.T. 0.035 min
Lab File: BN037873.D
Acq: 24 Sep 2025 11:08

Tgt Ion:278 Resp: 7880939
Ion Ratio Lower Upper
278 100
139 17.8 15.4 23.2
279 25.1 20.8 31.2

