

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
 Data File : BN037493.D
 Acq On : 14 Jul 2025 16:11
 Operator : RC/JU
 Sample : Q2580-02DL 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL

Quant Time: Jul 14 16:37:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 11 15:38:34 2025
 Response via : Initial Calibration

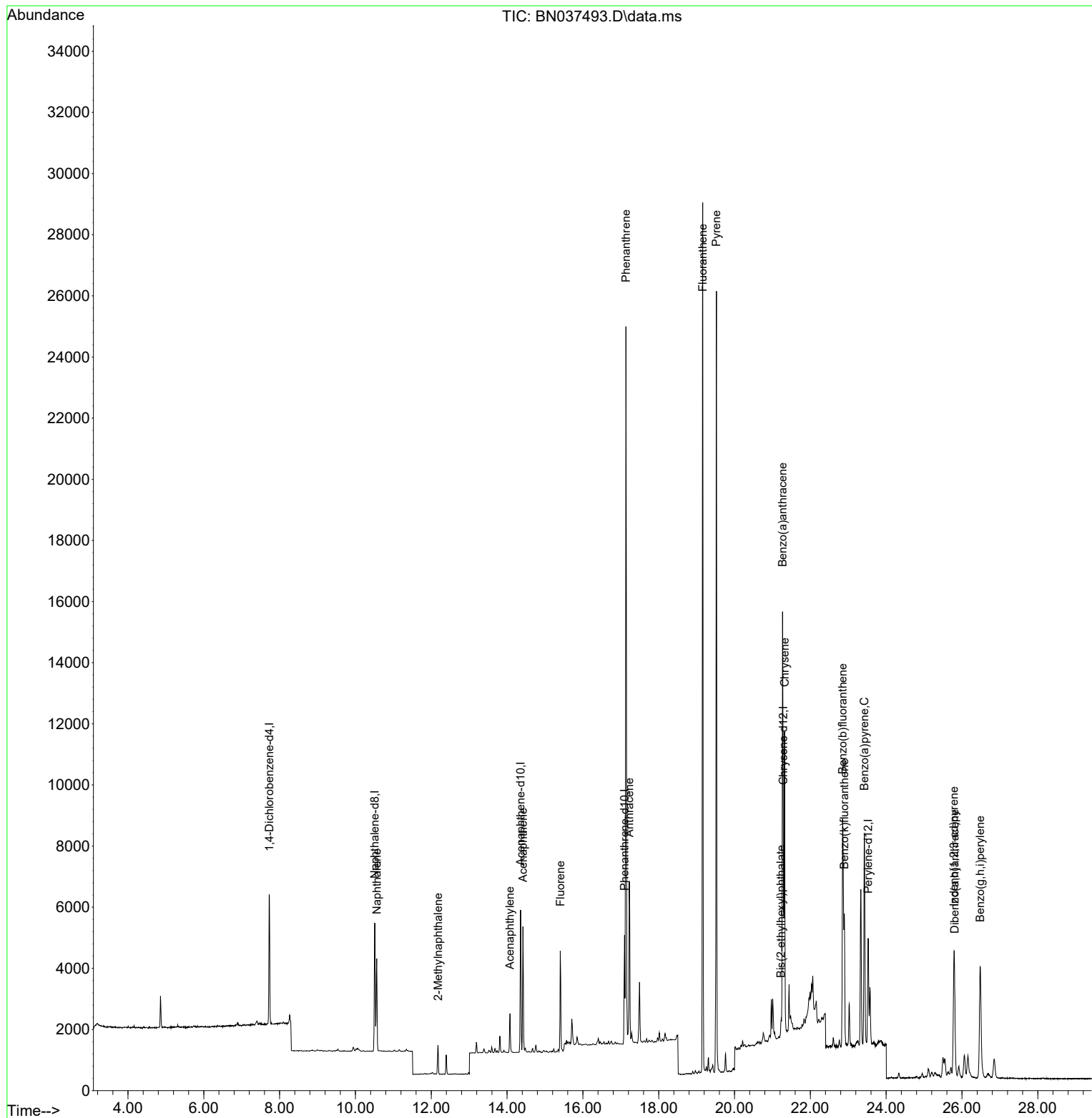
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2104	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5369	0.400	ng	# 0.00
13) Acenaphthene-d10	14.356	164	2602	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4565	0.400	ng	0.00
29) Chrysene-d12	21.286	240	4208	0.400	ng	0.00
35) Perylene-d12	23.525	264	4610	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
11) 2-Methylnaphthalene-d10	0.000	152	0d	0.000	ng	
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
27) Fluoranthene-d10	0.000	212	0d	0.000	ng	
31) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						
9) Naphthalene	10.562	128	3957	0.274	ng	99
12) 2-Methylnaphthalene	12.177	142	664	0.073	ng	# 96
16) Acenaphthylene	14.078	152	1469	0.124	ng	99
17) Acenaphthene	14.420	154	1889	0.237	ng	95
18) Fluorene	15.403	166	2187	0.219	ng	97
25) Phenanthrene	17.136	178	23354	1.680	ng	100
26) Anthracene	17.223	178	6294m	0.502	ng	
28) Fluoranthene	19.160	202	24420	1.601	ng	99
30) Pyrene	19.522	202	21620	1.278	ng	# 95
32) Benzo(a)anthracene	21.268	228	10197	0.716	ng	99
33) Chrysene	21.322	228	9643m	0.619	ng	
34) Bis(2-ethylhexyl)phtha...	21.223	149	311	0.064	ng	# 95
36) Indeno(1,2,3-cd)pyrene	25.791	276	6664	0.372	ng	97
37) Benzo(b)fluoranthene	22.853	252	12413	0.692	ng	99
38) Benzo(k)fluoranthene	22.894	252	4583m	0.252	ng	
39) Benzo(a)pyrene	23.423	252	9418	0.653	ng	94
40) Dibenzo(a,h)anthracene	25.806	278	1553	0.108	ng	# 90
41) Benzo(g,h,i)perylene	26.481	276	7527	0.476	ng	96

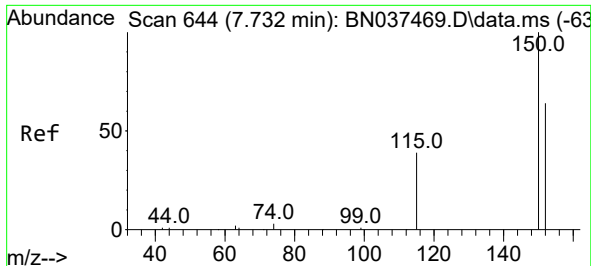
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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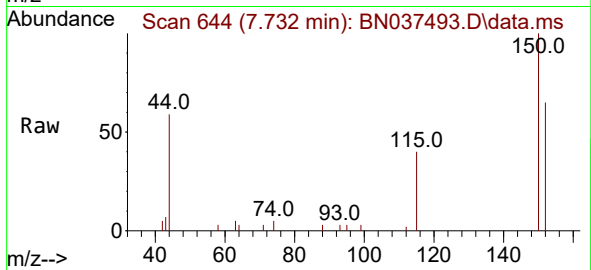
Quant Time: Jul 14 16:37:22 2025
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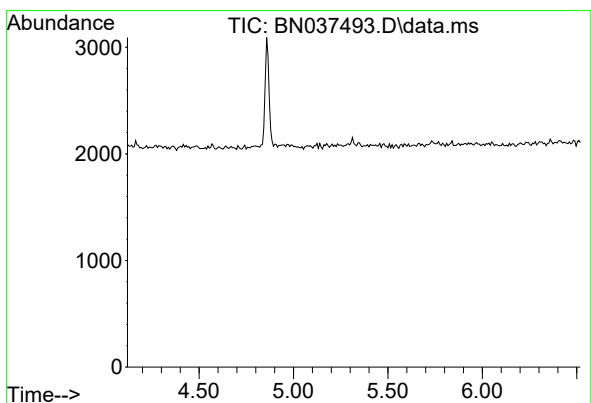
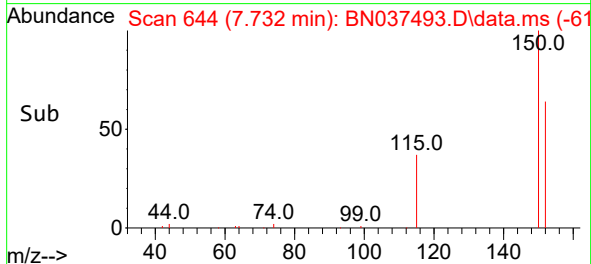
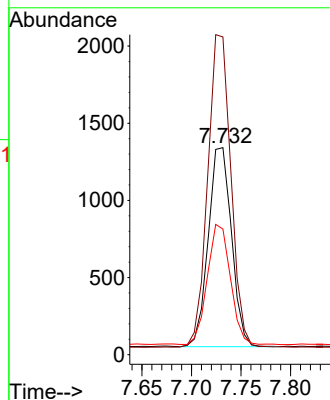


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Instrument :
BNA_N
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WC-URBAN-FILL-B2DL



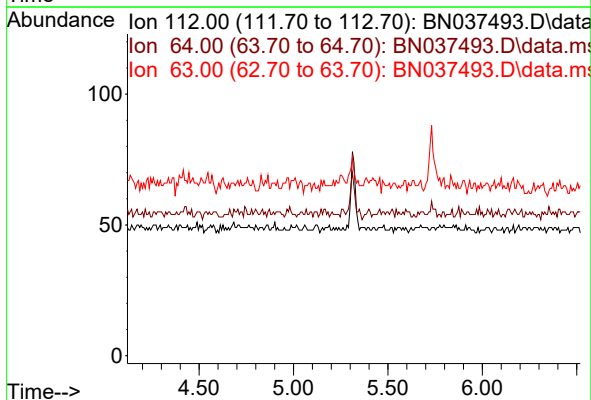
Tgt Ion:152 Resp: 2104
Ion Ratio Lower Upper
152 100
150 153.5 122.5 183.7
115 60.7 49.9 74.9

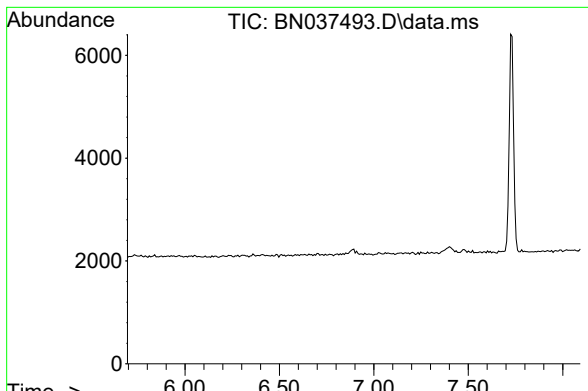


#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.32 min

Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 112
Sig Exp Ratio
112 100
64 56.7
63 30.9



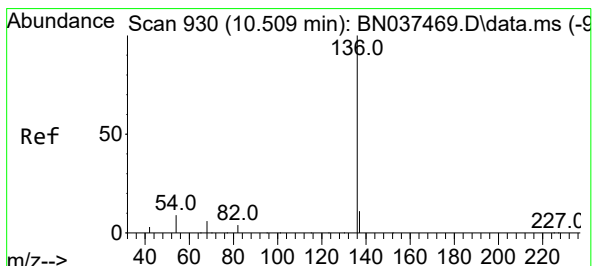
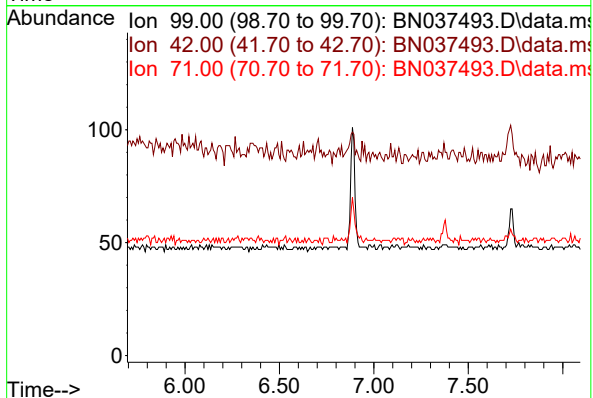


#5
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.89 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL

Tgt Ion: 99

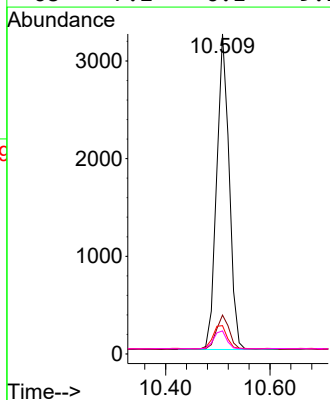
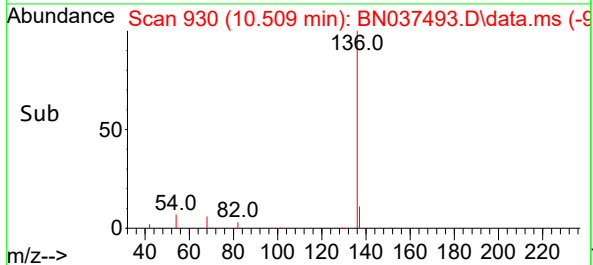
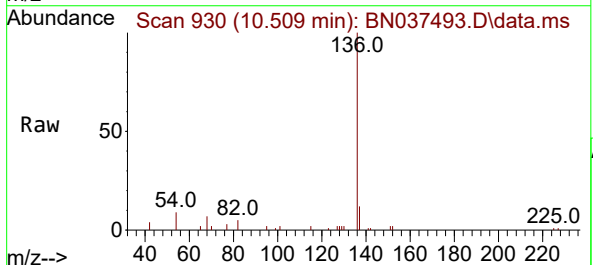
Sig	Exp Ratio
99	100
42	24.4
71	36.8

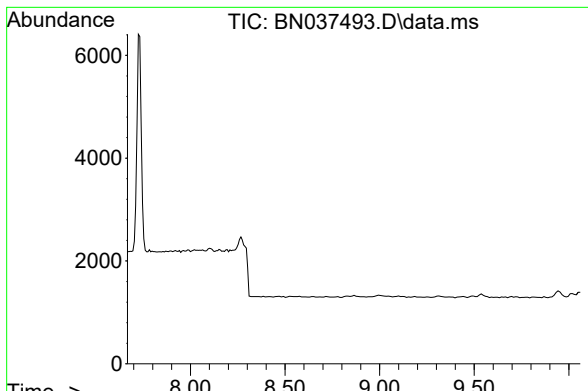


#7
 Naphthalene-d8
 Concen: 0.400 ng
 RT: 10.509 min Scan# 930
 Delta R.T. 0.000 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Tgt Ion: 136 Resp: 5369

Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.0	15.0
54	8.9	9.0	13.6#
68	7.2	6.1	9.1

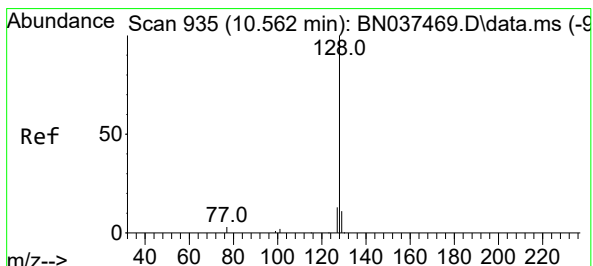
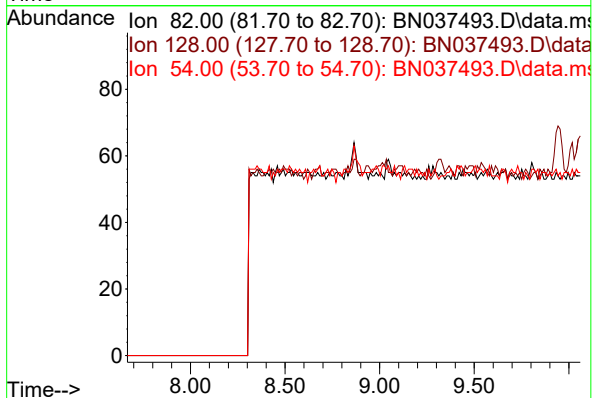




#8
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 8.86 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

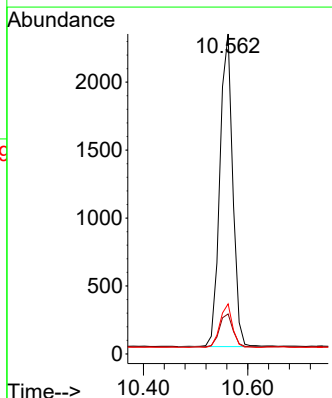
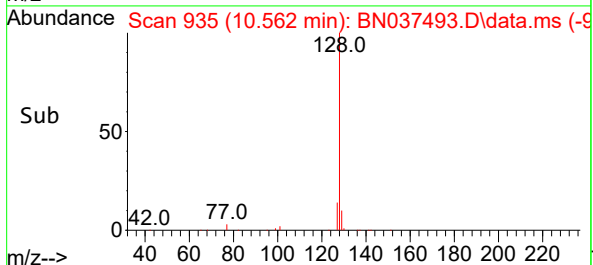
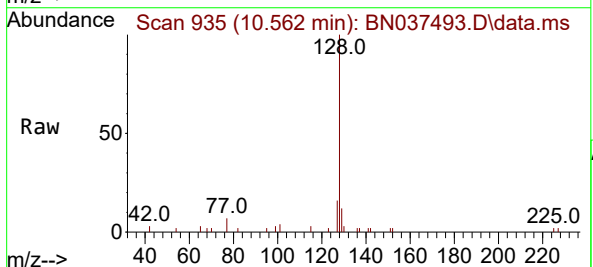
Instrument :
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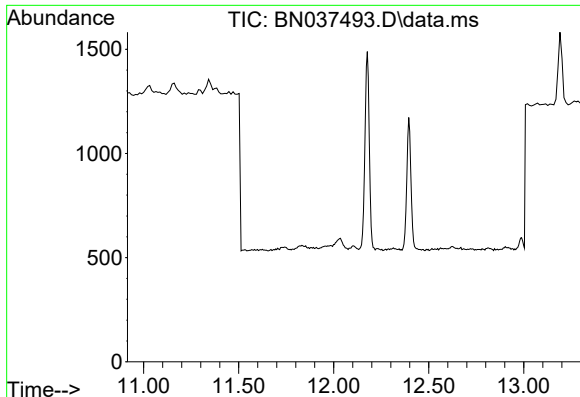
Tgt Ion: 82
 Sig Exp Ratio
 82 100
 128 41.4
 54 66.2



#9
 Naphthalene
 Concen: 0.274 ng
 RT: 10.562 min Scan# 935
 Delta R.T. 0.000 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Tgt Ion: 128 Resp: 3957
 Ion Ratio Lower Upper
 128 100
 129 12.5 10.2 15.2
 127 15.6 11.8 17.6

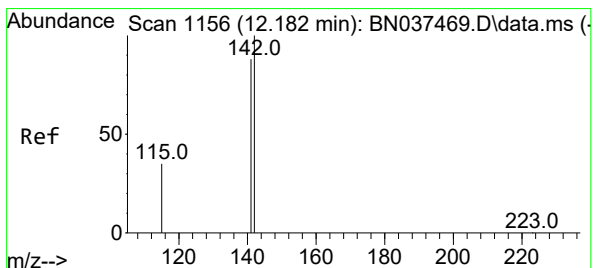
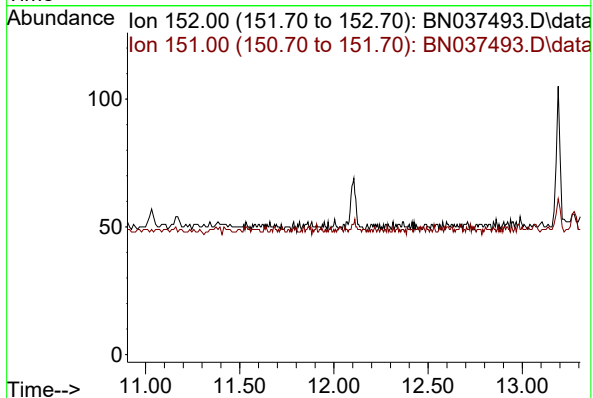




#11
 2-Methylnaphthalene-d10
 Concen: 0.000 ng
 Expected RT: 12.11 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

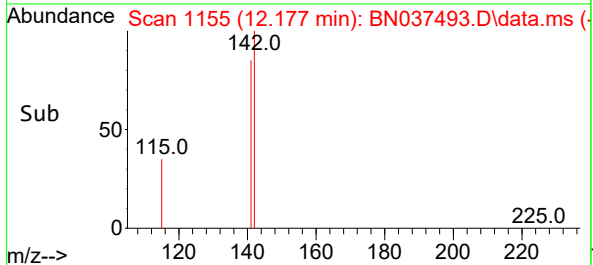
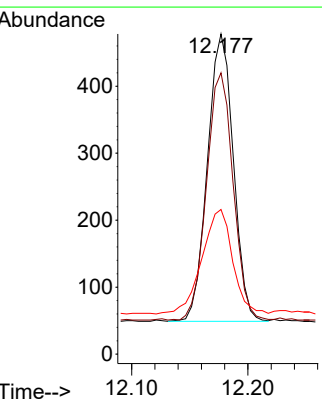
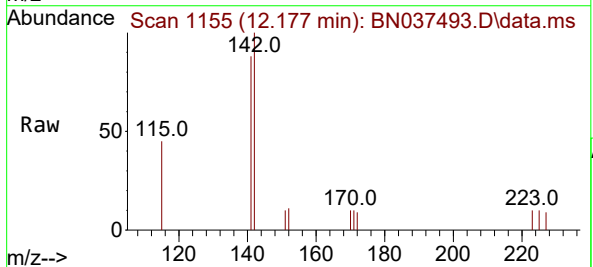
Instrument :
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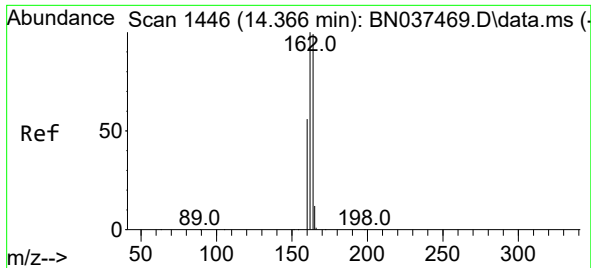
Tgt Ion: 152
 Sig Exp Ratio
 152 100
 151 21.3



#12
 2-Methylnaphthalene
 Concen: 0.073 ng
 RT: 12.177 min Scan# 1155
 Delta R.T. -0.005 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Tgt Ion:142 Resp: 664
 Ion Ratio Lower Upper
 142 100
 141 87.9 70.6 105.8
 115 45.2 30.0 45.0#

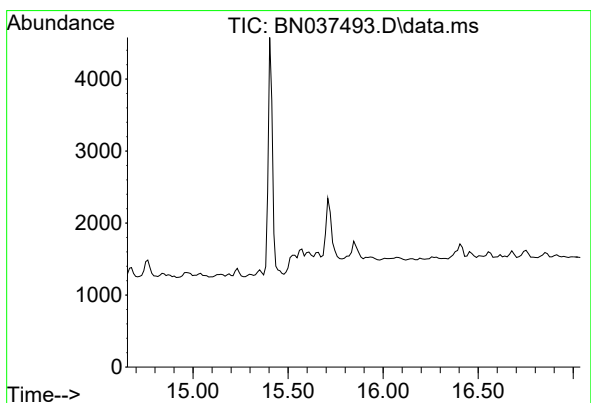
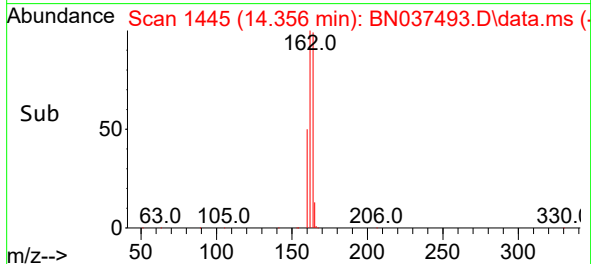
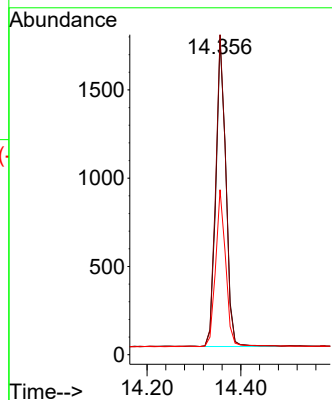
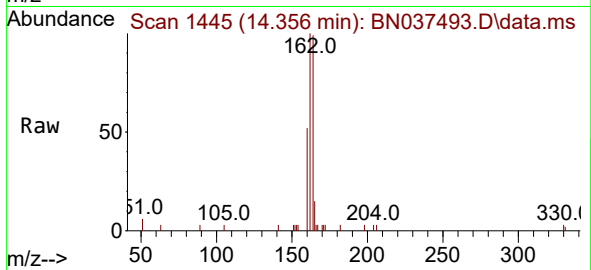




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.356 min Scan# 14
 Delta R.T. -0.011 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

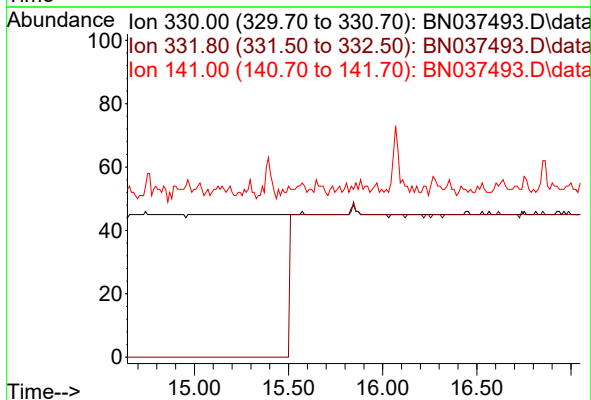
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 BNA_N
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 WC-URBAN-FILL-B2DL

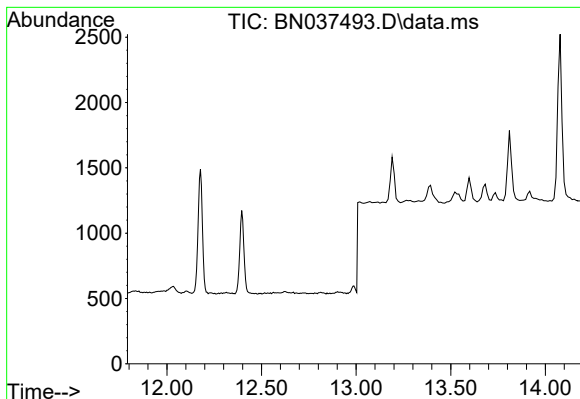
Tgt Ion:	164	Resp:	2602
Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.1	121.7
160	52.3	46.5	69.7



#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.85 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Tgt Ion:	330
Sig	Exp Ratio
330	100
332	102.5
141	45.2



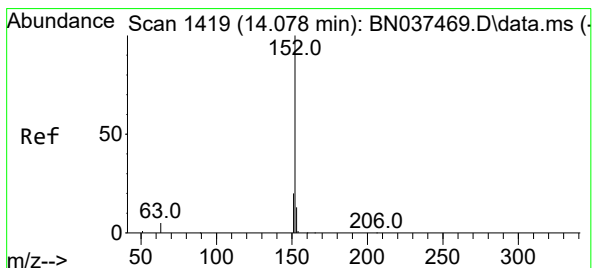
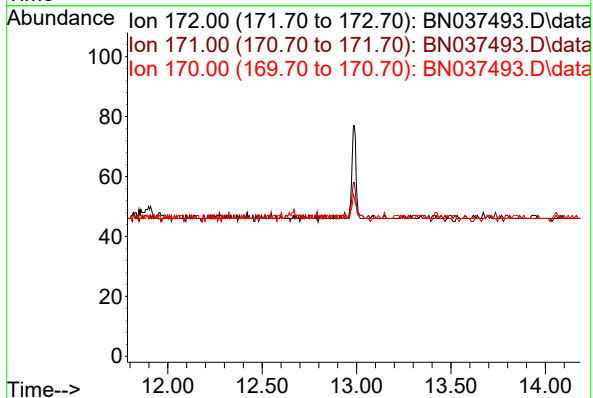


#15
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 12.99 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL

Tgt Ion: 172

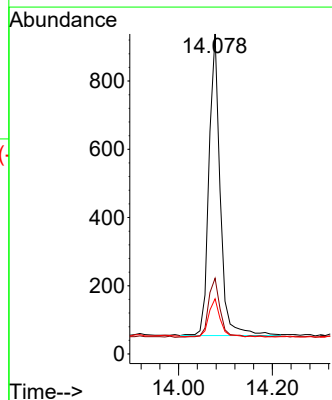
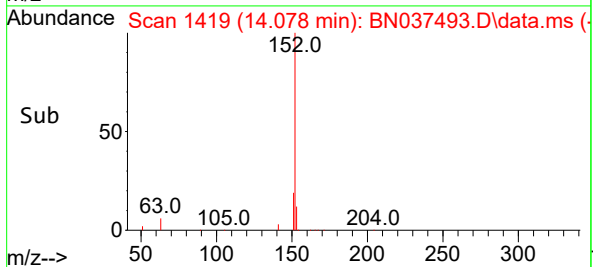
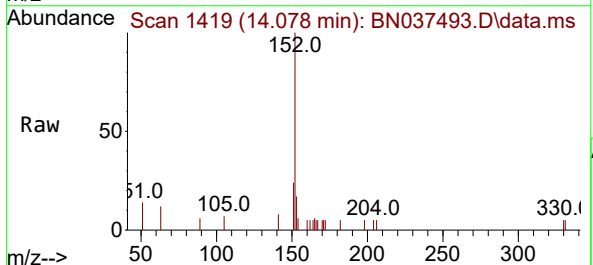
Sig	Exp Ratio
172	100
171	37.3
170	25.0

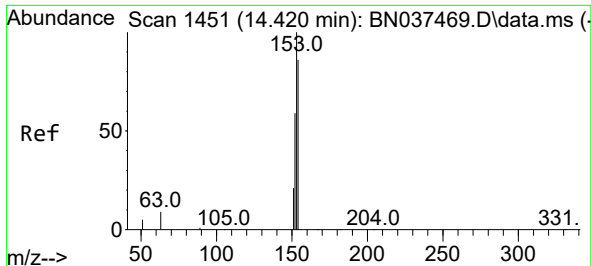


#16
 Acenaphthylene
 Concen: 0.124 ng
 RT: 14.078 min Scan# 1419
 Delta R.T. 0.000 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Tgt Ion: 152 Resp: 1469

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	13.3	10.6	15.8

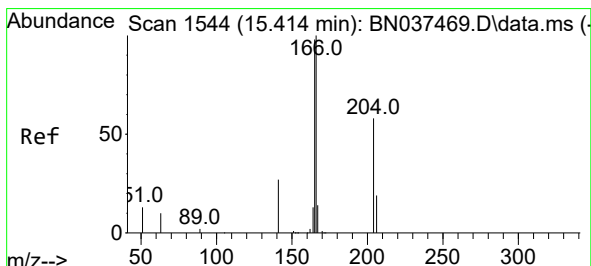
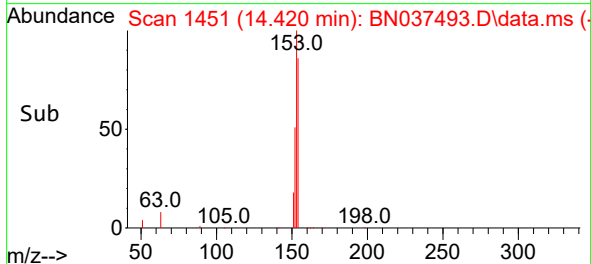
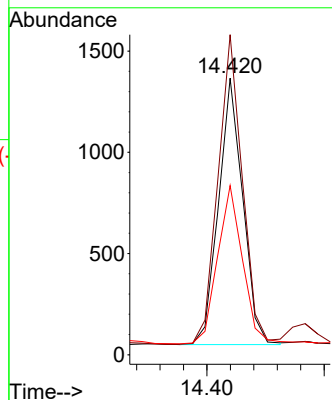
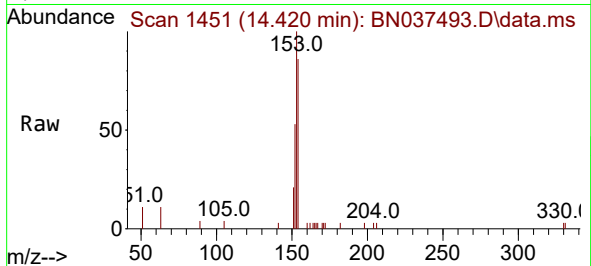




#17
Acenaphthene
Concen: 0.237 ng
RT: 14.420 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

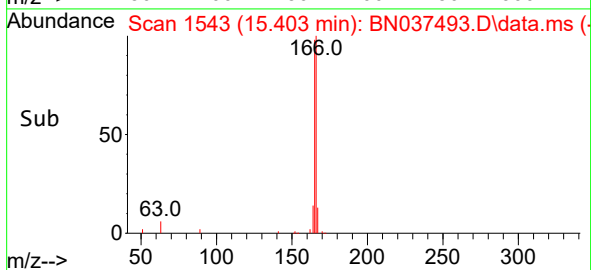
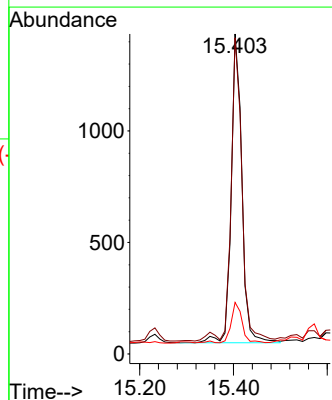
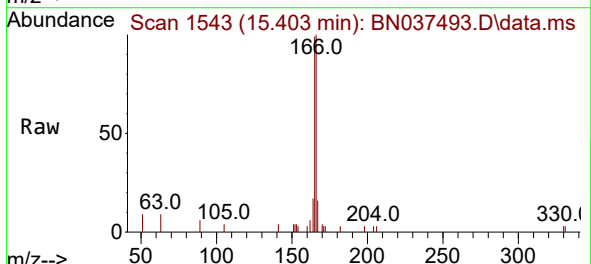
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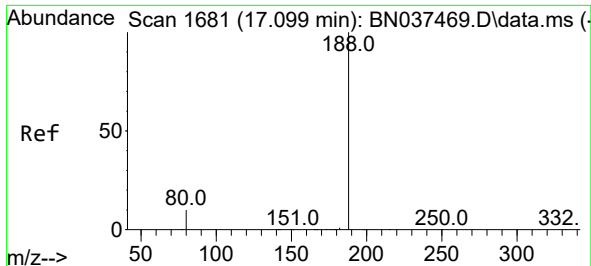
Tgt Ion:154 Resp: 1889
Ion Ratio Lower Upper
154 100
153 117.2 89.4 134.0
152 62.4 53.2 79.8



#18
Fluorene
Concen: 0.219 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:166 Resp: 2187
Ion Ratio Lower Upper
166 100
165 95.6 79.4 119.2
167 13.2 10.6 15.8

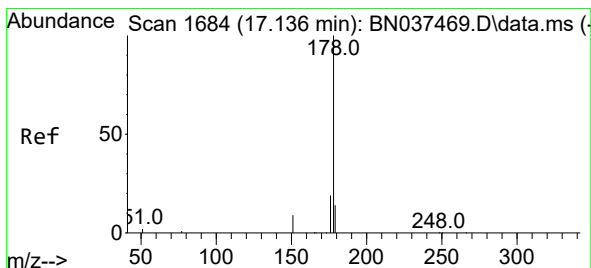
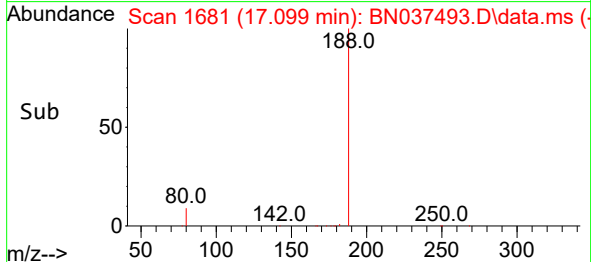
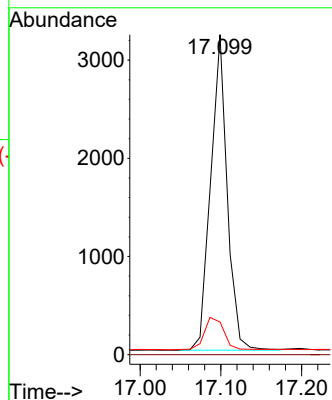
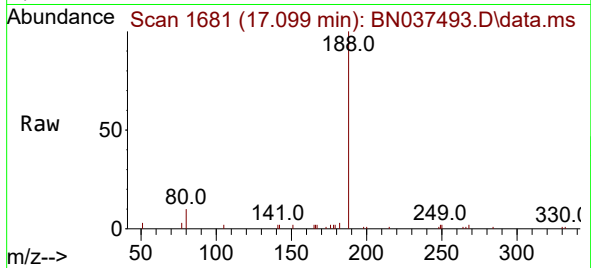




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

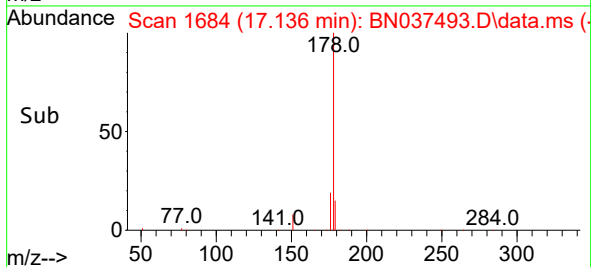
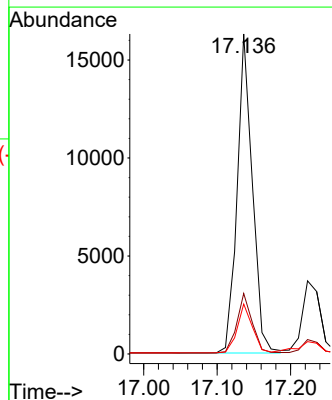
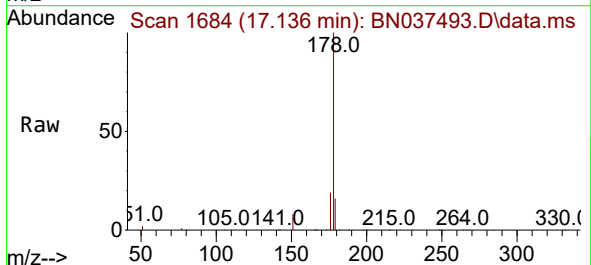
Instrument :
BNA_N
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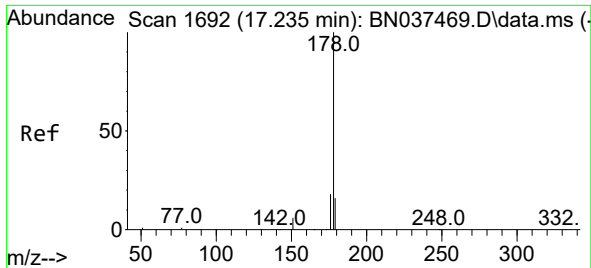
Tgt Ion:188 Resp: 4565
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.2 9.3 13.9



#25
Phenanthrene
Concen: 1.680 ng
RT: 17.136 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:178 Resp: 23354
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 12.2 18.2

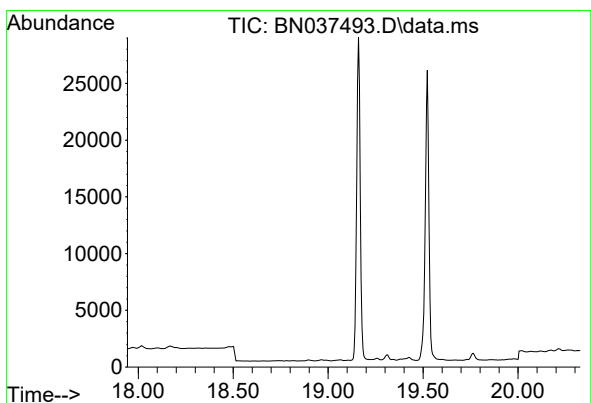
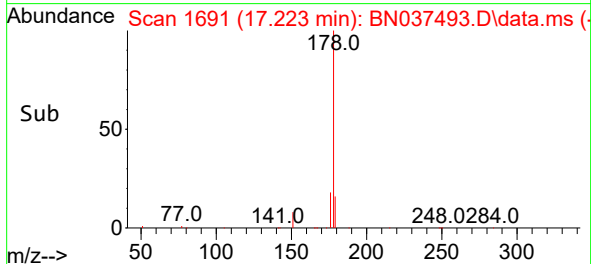
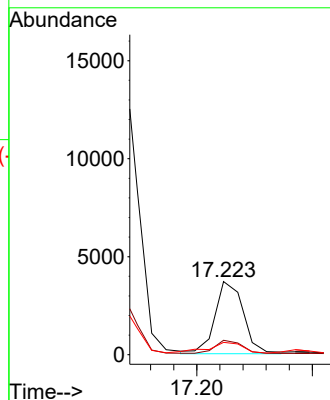
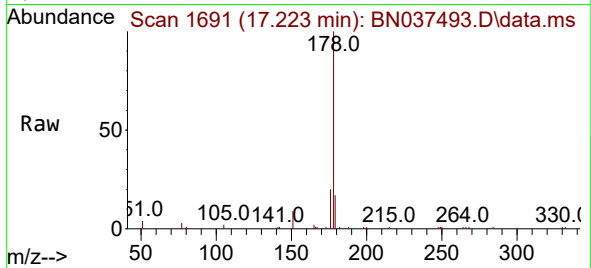




#26
 Anthracene
 Concen: 0.502 ng m
 RT: 17.223 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL

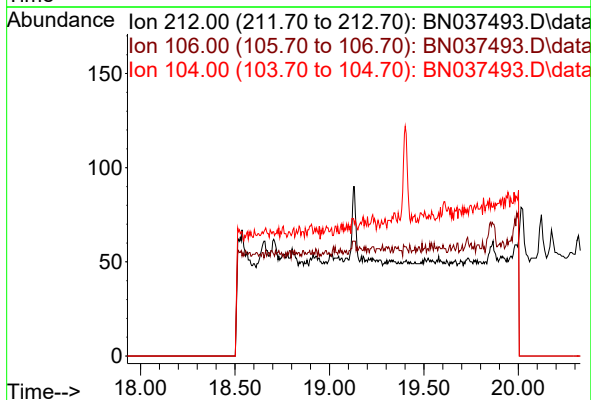
Tgt Ion:178 Resp: 6294
 Ion Ratio Lower Upper
 178 100
 176 69.4 14.9 22.3#
 179 56.6 12.3 18.5#

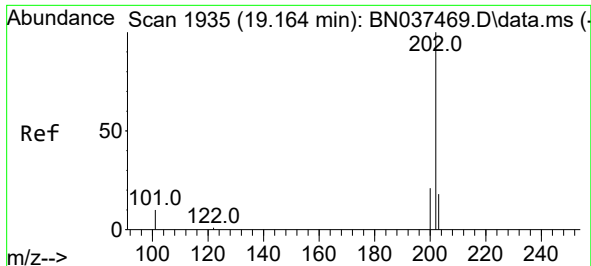


#27
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.13 min

Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Tgt Ion: 212
 Sig Exp Ratio
 212 100
 106 14.6
 104 8.3

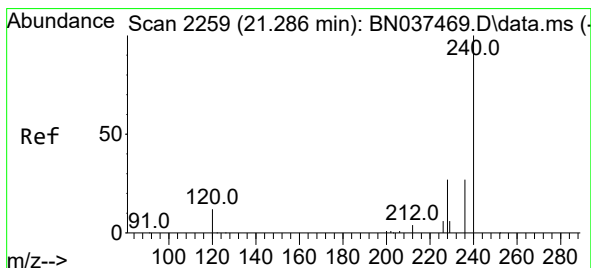
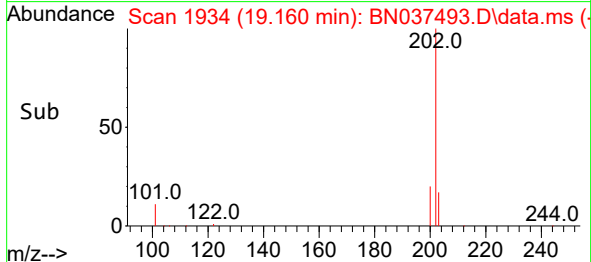
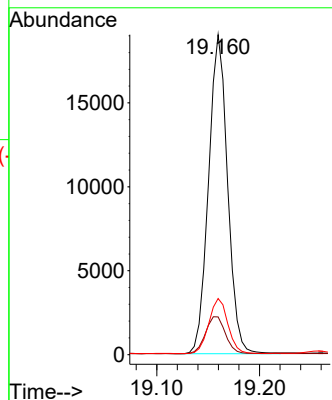
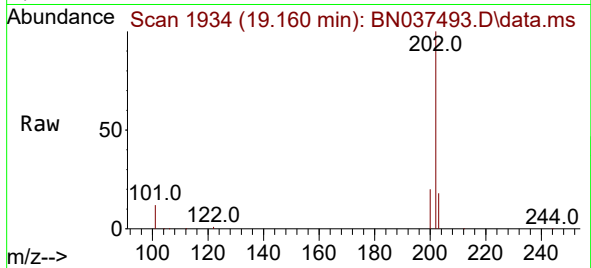




#28
Fluoranthene
Concen: 1.601 ng
RT: 19.160 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

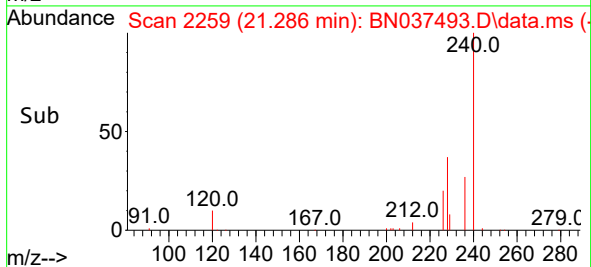
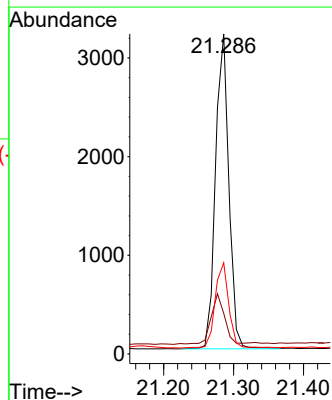
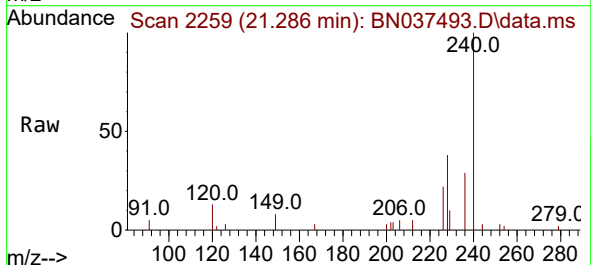
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

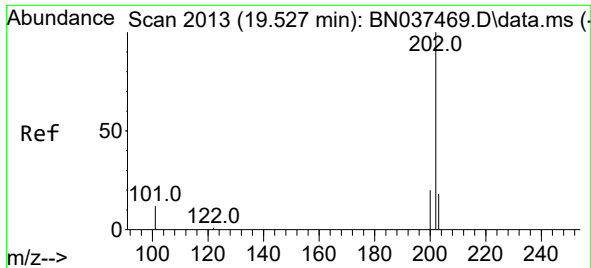
Tgt Ion:202 Resp: 24420
Ion Ratio Lower Upper
202 100
101 12.2 9.2 13.8
203 17.4 14.0 21.0



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:240 Resp: 4208
Ion Ratio Lower Upper
240 100
120 12.7 12.4 18.6
236 28.5 22.9 34.3

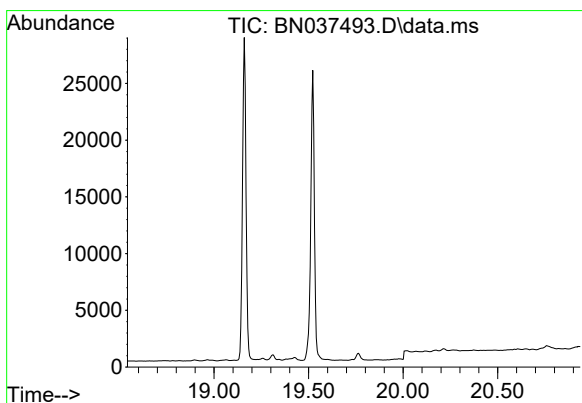
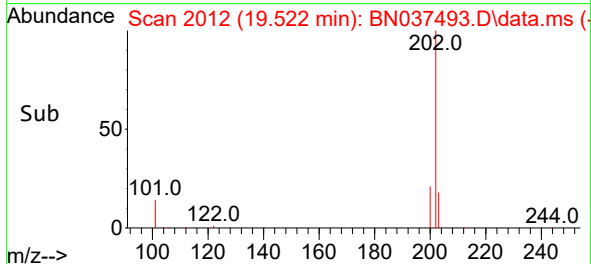
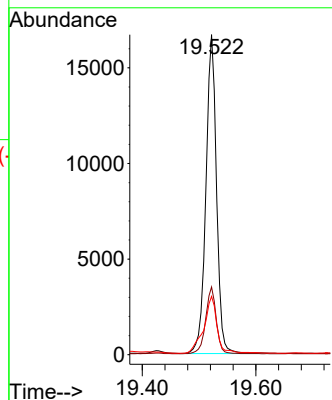
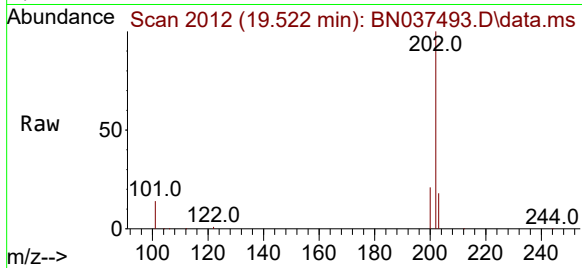




#30
Pyrene
Concen: 1.278 ng
RT: 19.522 min Scan# 20
Delta R.T. -0.005 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

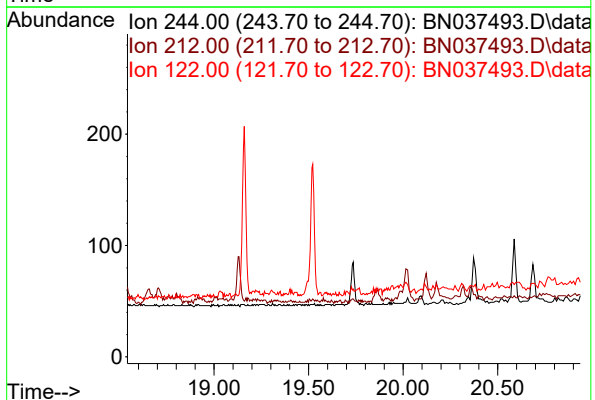
Tgt Ion:202 Resp: 21620
Ion Ratio Lower Upper
202 100
200 20.8 16.4 24.6
203 22.2 14.3 21.5#

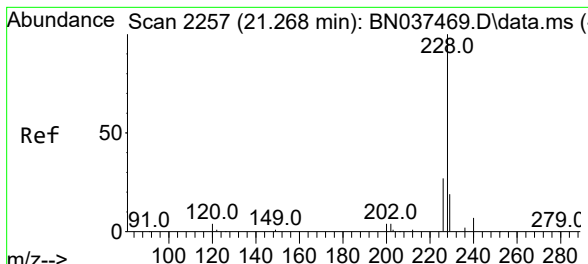


#31
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.74 min

Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion: 244
Sig Exp Ratio
244 100
212 10.9
122 17.6

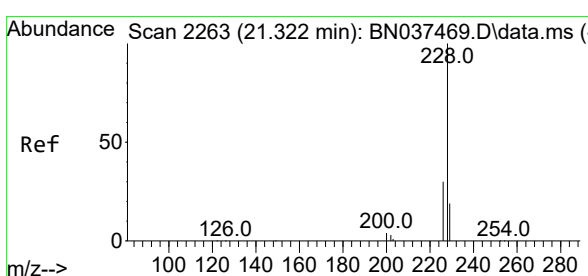
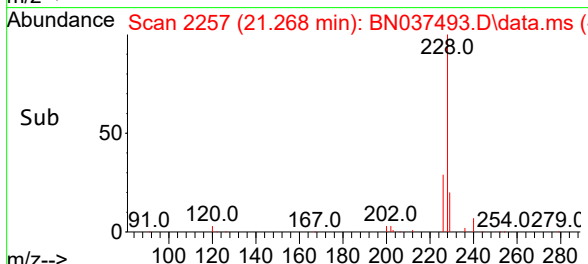
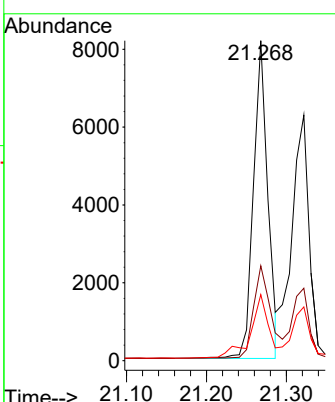
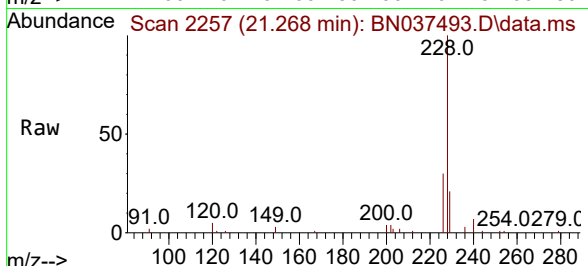




#32
Benzo(a)anthracene
Concen: 0.716 ng
RT: 21.268 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

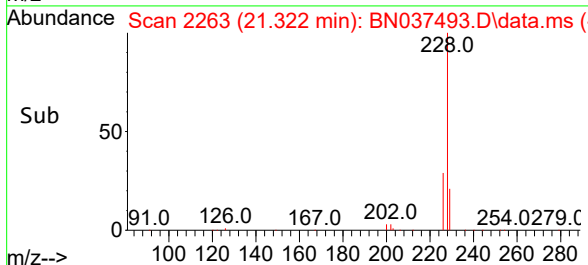
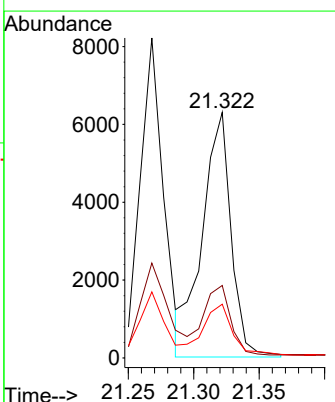
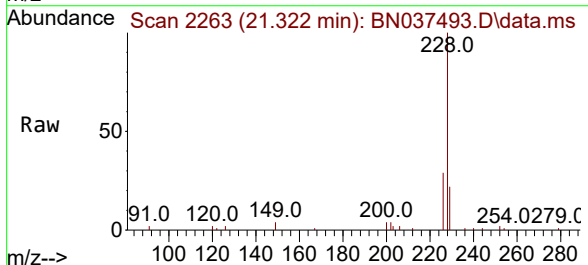
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

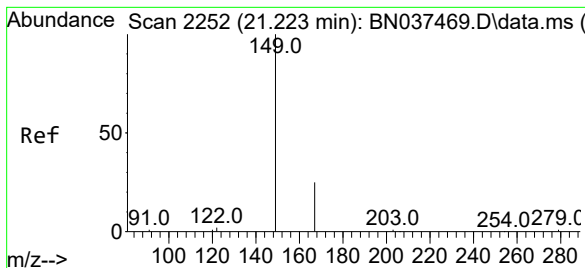
Tgt Ion:228	Resp:	10197
Ion Ratio	Lower	Upper
228	100	
226	29.6	22.7 34.1
229	20.7	16.6 24.8



#33
Chrysene
Concen: 0.619 ng m
RT: 21.322 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:228	Resp:	9643
Ion Ratio	Lower	Upper
228	100	
226	29.5	24.6 36.8
229	21.9	16.4 24.6

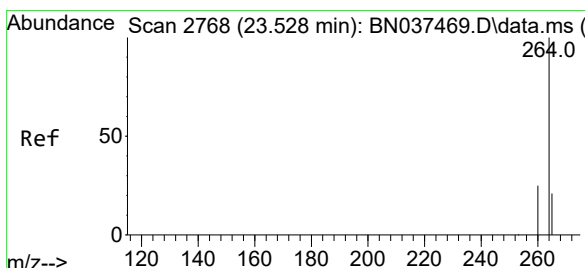
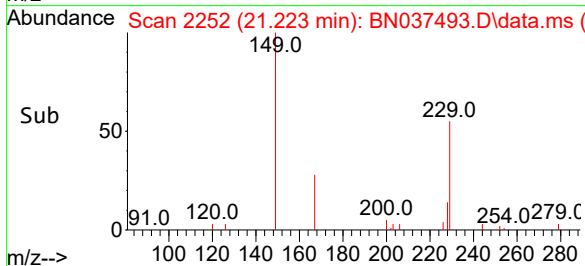
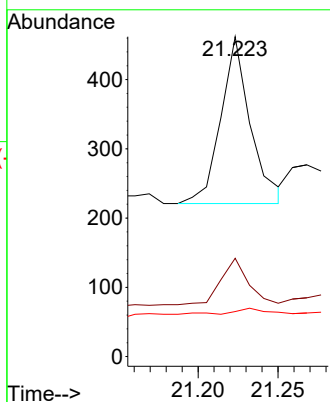
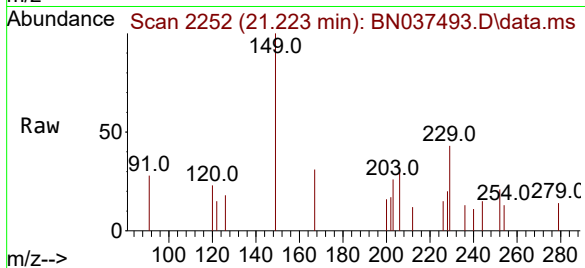




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.064 ng
 RT: 21.223 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

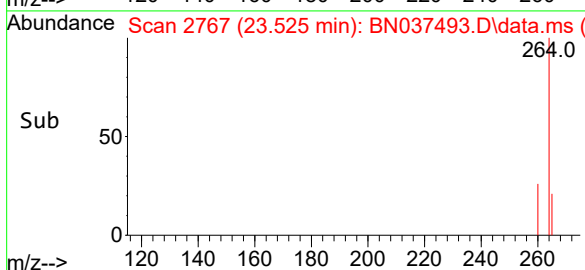
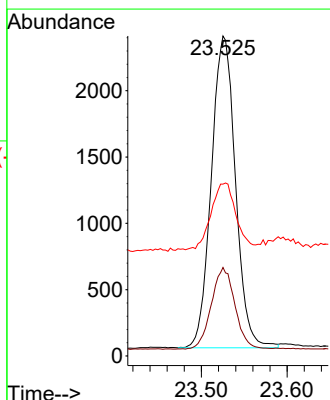
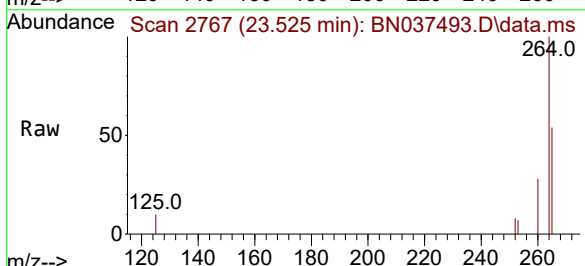
Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL

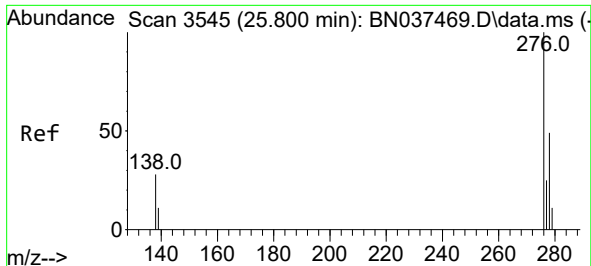
Tgt Ion:149 Resp: 311
 Ion Ratio Lower Upper
 149 100
 167 27.0 19.4 29.2
 279 4.2 2.5 3.7#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.525 min Scan# 2767
 Delta R.T. -0.003 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

Tgt Ion:264 Resp: 4610
 Ion Ratio Lower Upper
 264 100
 260 27.7 21.7 32.5
 265 53.7 41.6 62.4

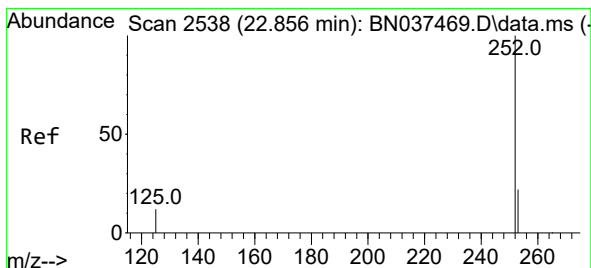
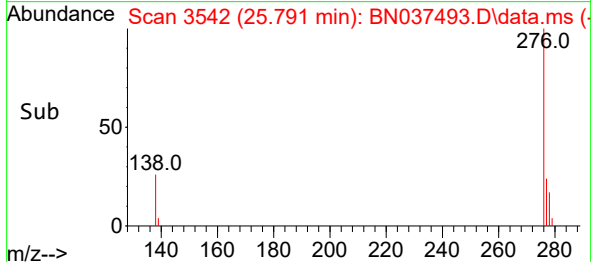
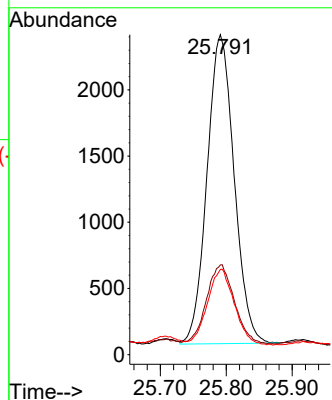
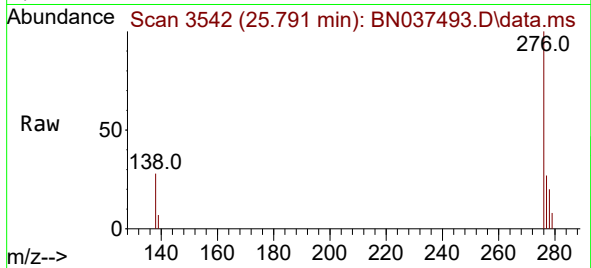




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 25.791 min Scan# 3545
Delta R.T. -0.009 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

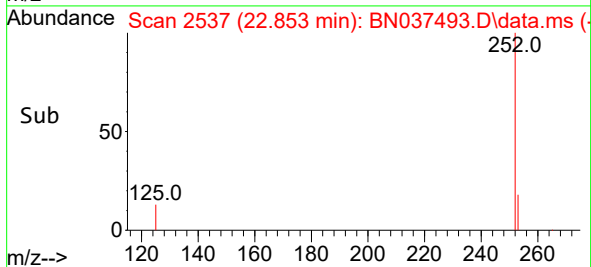
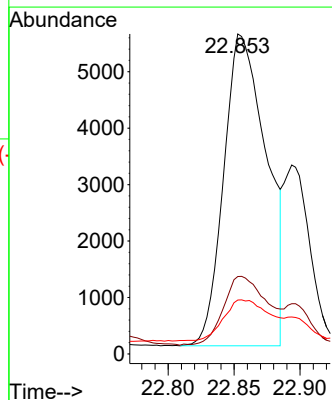
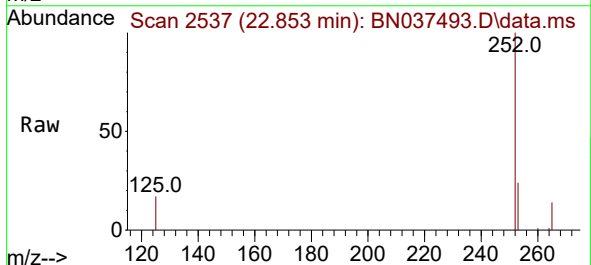
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

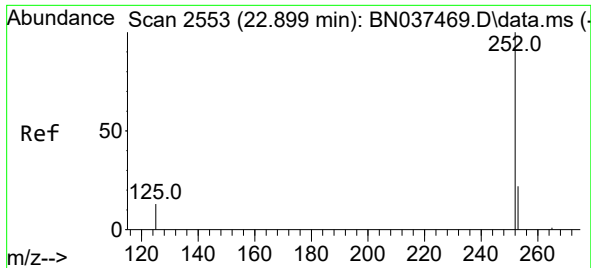
Tgt Ion:276 Resp: 6664
Ion Ratio Lower Upper
276 100
138 26.6 23.4 35.2
277 24.6 19.8 29.8



#37
Benzo(b)fluoranthene
Concen: 0.692 ng
RT: 22.853 min Scan# 2537
Delta R.T. -0.003 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:252 Resp: 12413
Ion Ratio Lower Upper
252 100
253 24.2 20.1 30.1
125 16.9 13.7 20.5

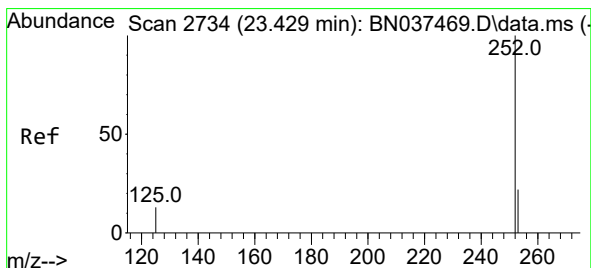
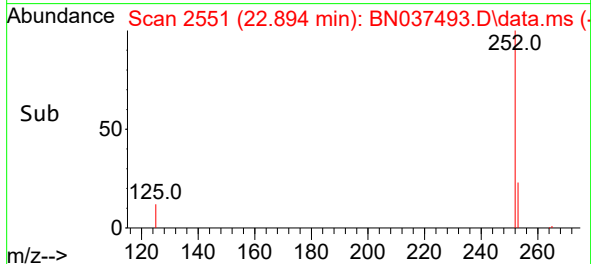
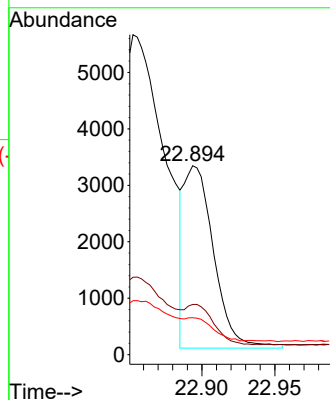
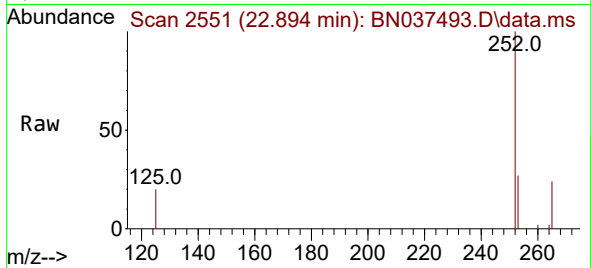




#38
Benzo(k)fluoranthene
Concen: 0.252 ng m
RT: 22.894 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

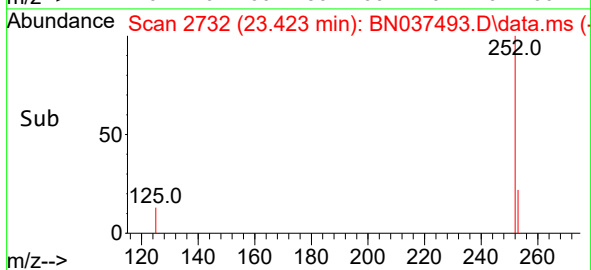
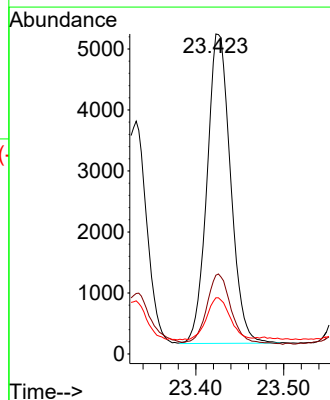
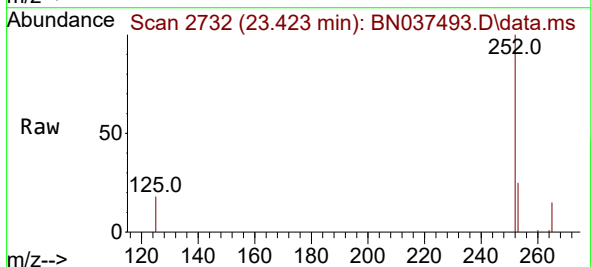
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

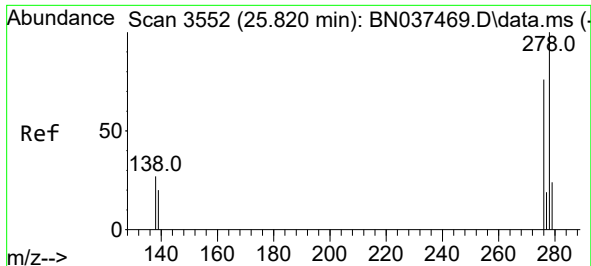
Tgt Ion:252 Resp: 4583
Ion Ratio Lower Upper
252 100
253 26.6 20.4 30.6
125 19.5 14.6 21.8



#39
Benzo(a)pyrene
Concen: 0.653 ng
RT: 23.423 min Scan# 2732
Delta R.T. -0.006 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

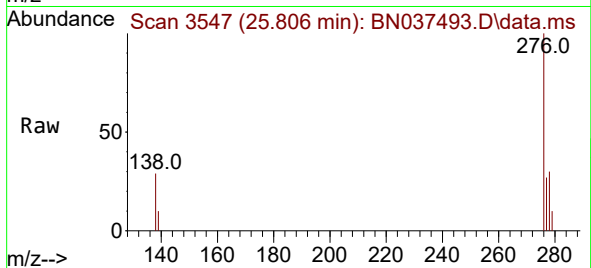
Tgt Ion:252 Resp: 9418
Ion Ratio Lower Upper
252 100
253 24.6 21.8 32.6
125 17.5 16.7 25.1



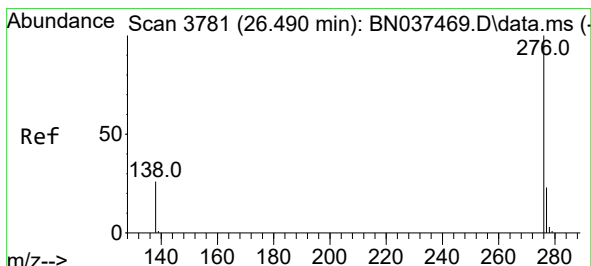
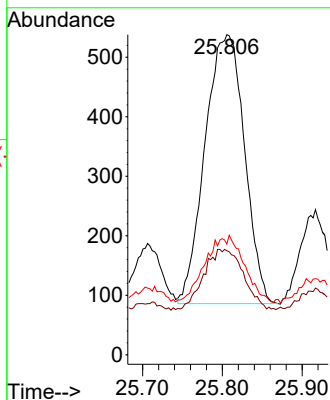
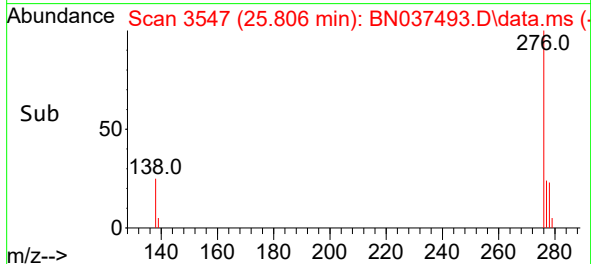


#40
Dibenzo(a,h)anthracene
Concen: 0.108 ng
RT: 25.806 min Scan# 31
Delta R.T. -0.015 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL



Tgt Ion:278 Resp: 1553
Ion Ratio Lower Upper
278 100
139 32.5 19.9 29.9#
279 34.6 24.8 37.2



#41
Benzo(g,h,i)perylene
Concen: 0.476 ng
RT: 26.481 min Scan# 3778
Delta R.T. -0.009 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:276 Resp: 7527
Ion Ratio Lower Upper
276 100
277 25.5 21.7 32.5
138 27.5 24.3 36.5

