

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)

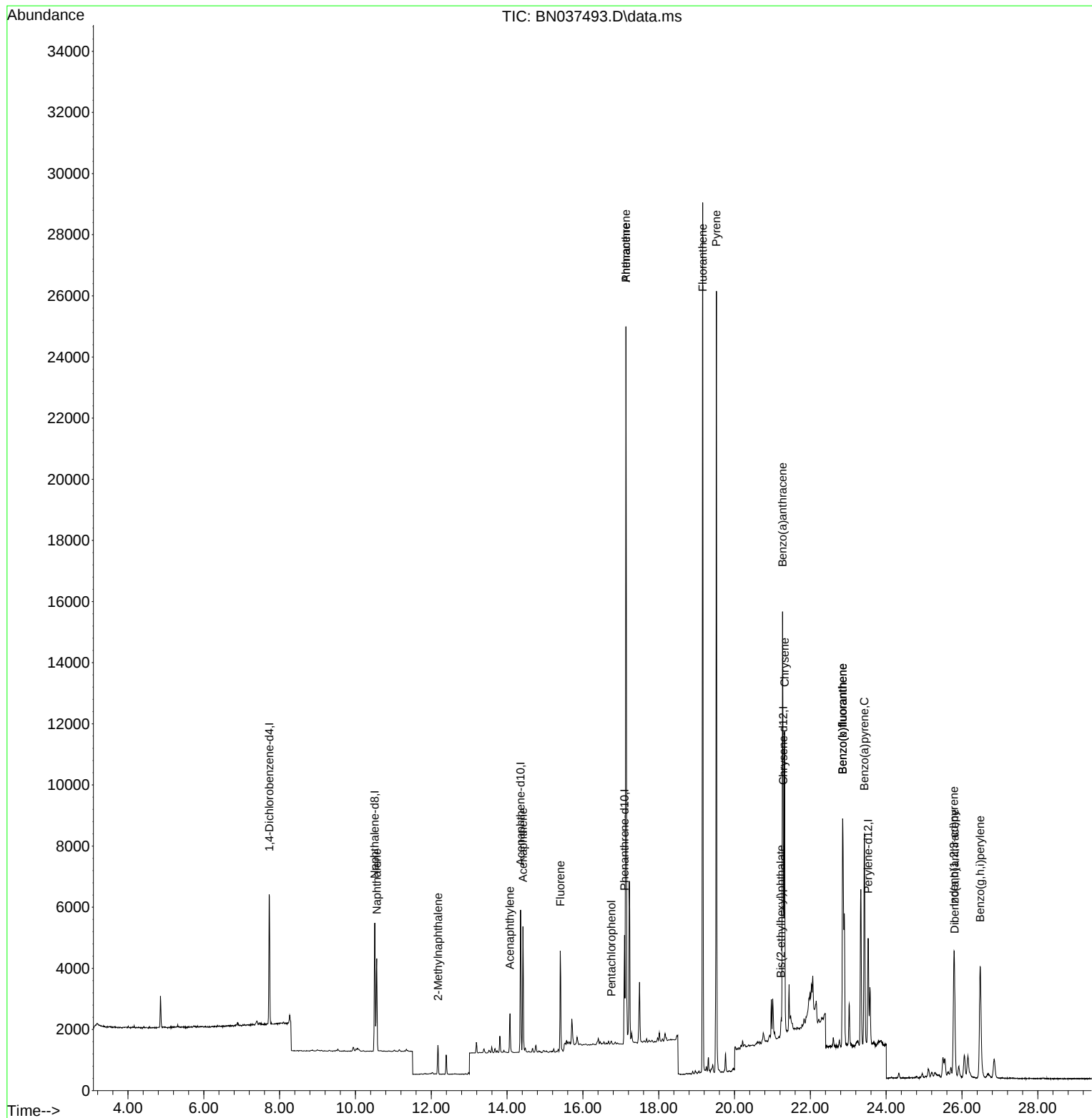
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	2104	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5369	0.400	ng	# 0.00
13) Acenaphthene-d10	14.356	164	2602	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4565	0.400	ng	0.00
29) Chrysene-d12	21.286	240	4208	0.400	ng	0.00
35) Perylene-d12	23.525	264	4610	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	48	0.010	ng	0.00
5) Phenol-d6	6.887	99	81	0.013	ng	0.00
8) Nitrobenzene-d5	8.865	82	23	0.006	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	38	0.005	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	5	0.006	ng	0.00
15) 2-Fluorobiphenyl	12.983	172	60	0.004	ng	0.00
27) Fluoranthene-d10	19.127	212	53	0.005	ng	0.00
31) Terphenyl-d14	19.736	244	54	0.006	ng	0.00
Target Compounds						
						Qvalue
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
24) Pentachlorophenol	16.751	266	31	0.023	ng	# 90
25) Phenanthrene	17.136	178	23354	1.680	ng	100
26) Anthracene	17.136	178	23337	1.860	ng	100
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	8699	0.558	ng	97
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	22.853	252	12413	0.683	ng	97
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

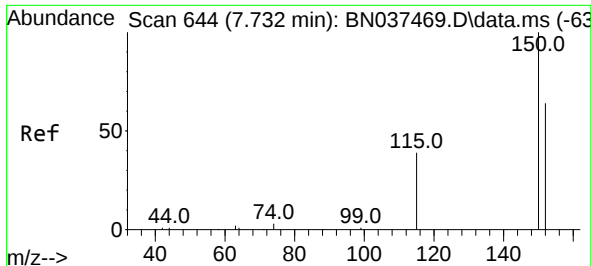
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
Data File : BN037493.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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

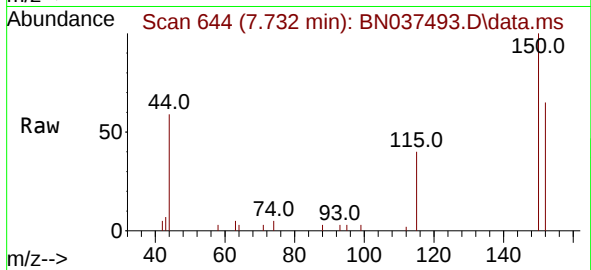
Quant Time: Jul 14 16:37:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 11 15:38:34 2025
Response via : Initial Calibration



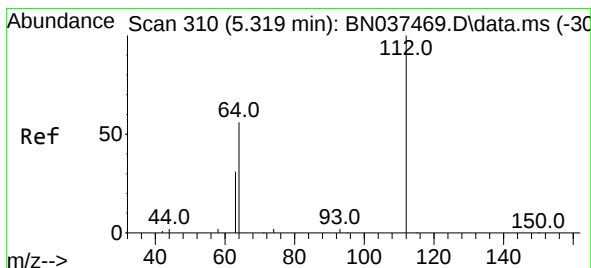
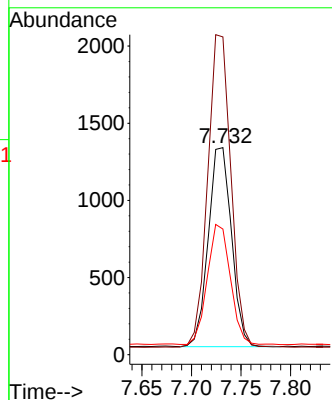
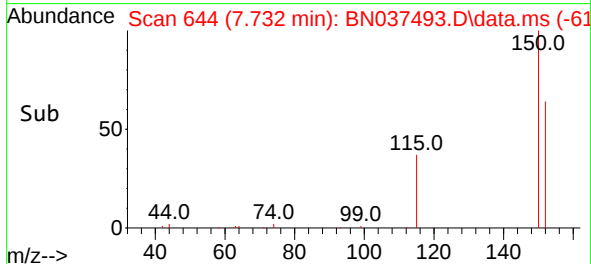


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.732 min Scan# 64
 Delta R.T. -0.000 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

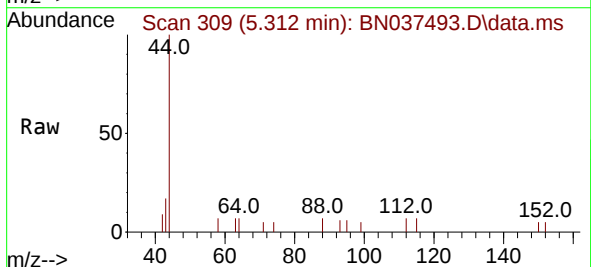
Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL



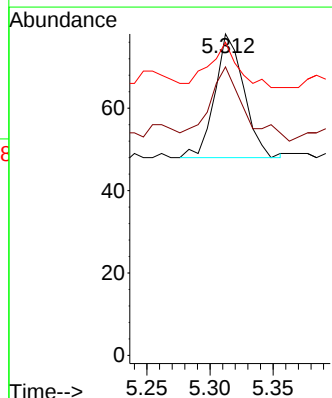
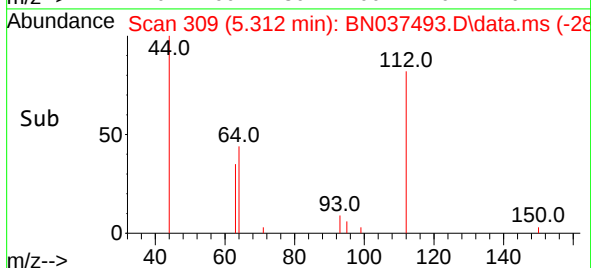
Tgt Ion:152 Resp: 2104
 Ion Ratio Lower Upper
 152 100
 150 153.5 122.5 183.7
 115 60.7 49.9 74.9

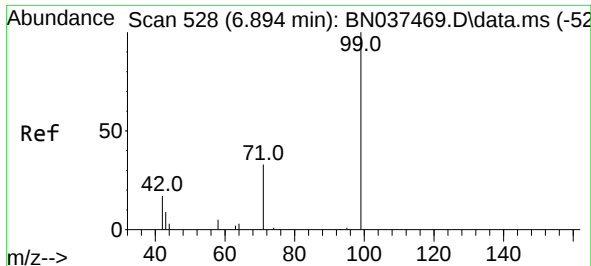


#4
 2-Fluorophenol
 Concen: 0.010 ng
 RT: 5.312 min Scan# 309
 Delta R.T. -0.007 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11



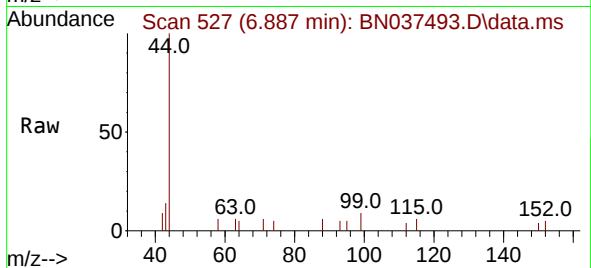
Tgt Ion:112 Resp: 48
 Ion Ratio Lower Upper
 112 100
 64 70.8 45.4 68.0#
 63 35.4 24.7 37.1



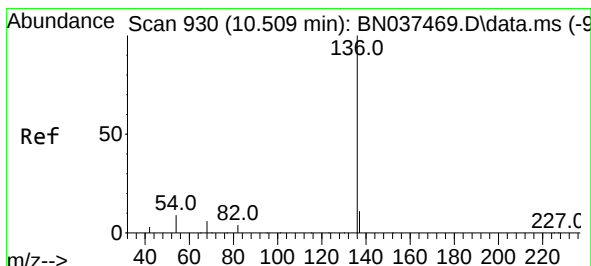
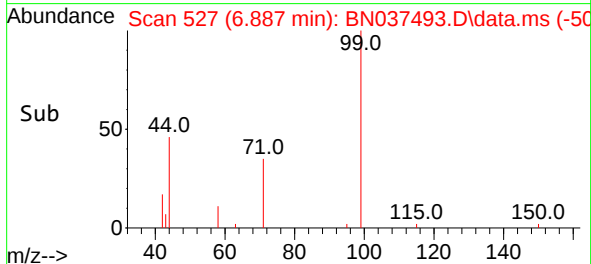
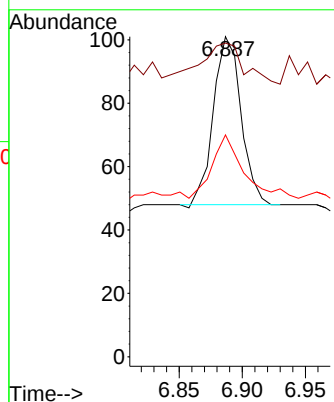


#5
Phenol-d6
Concen: 0.013 ng
RT: 6.887 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

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

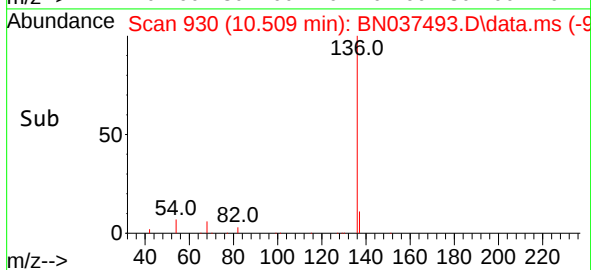
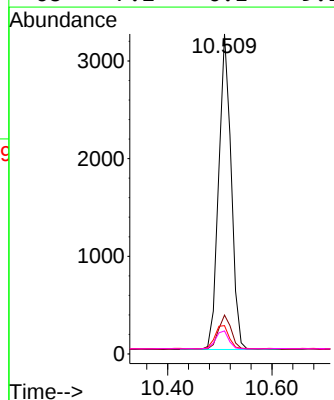
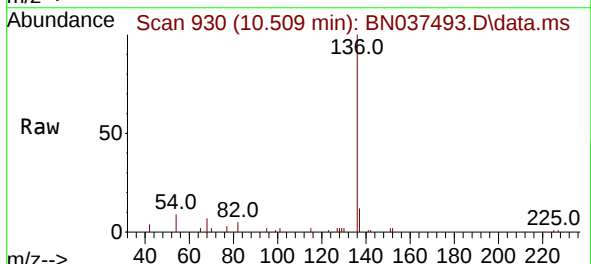


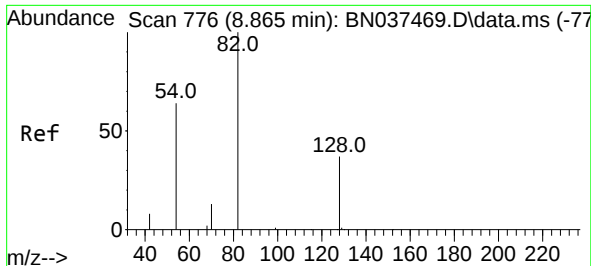
Tgt Ion: 99 Resp: 81
Ion Ratio Lower Upper
99 100
42 42.0 19.5 29.3#
71 42.0 29.4 44.2



#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

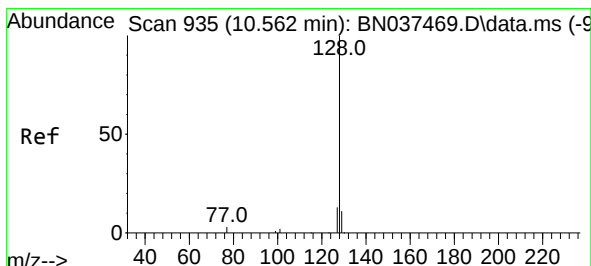
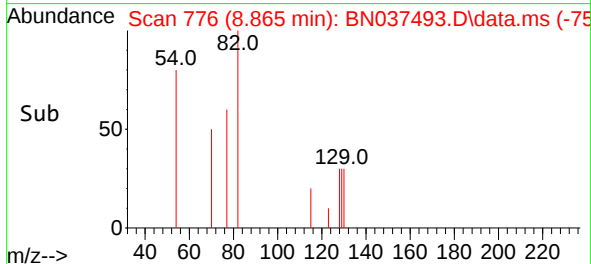
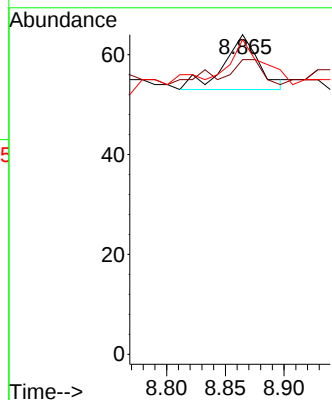
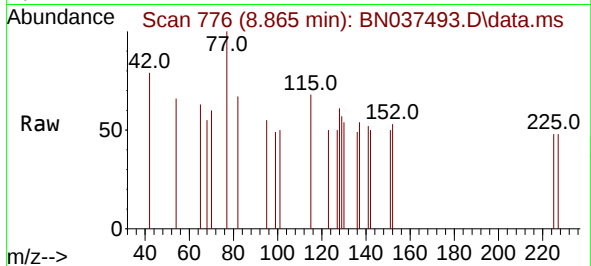




#8
Nitrobenzene-d5
Concen: 0.006 ng
RT: 8.865 min Scan# 776
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

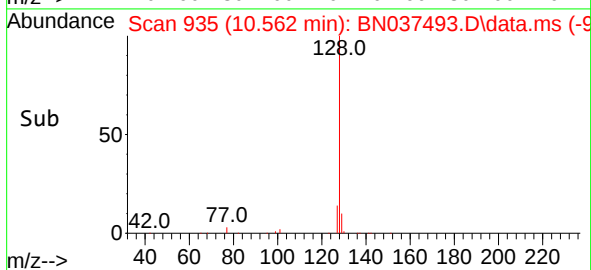
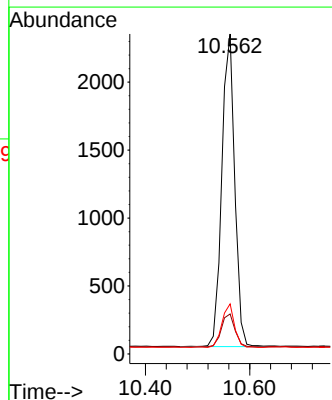
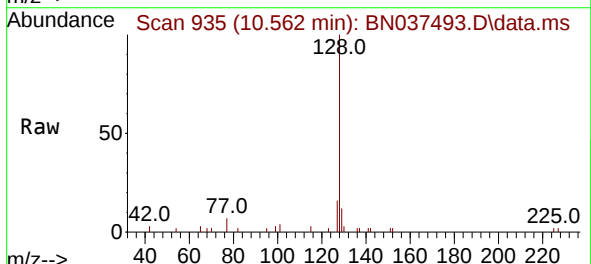
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

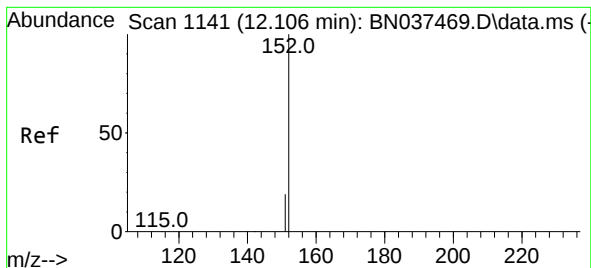
Tgt Ion: 82 Resp: 23
Ion Ratio Lower Upper
82 100
128 92.2 33.1 49.7#
54 98.4 53.0 79.4#



#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

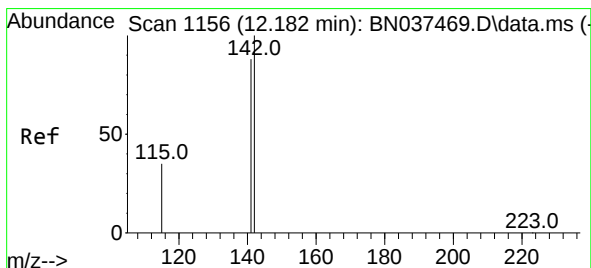
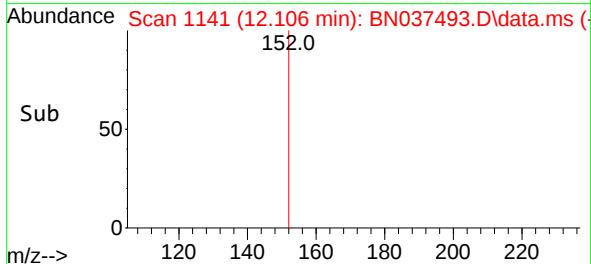
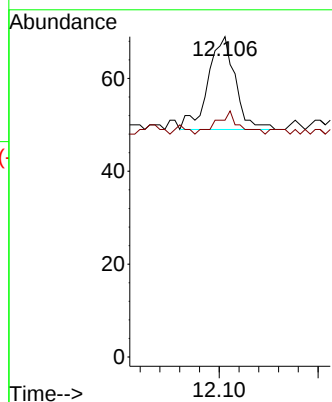
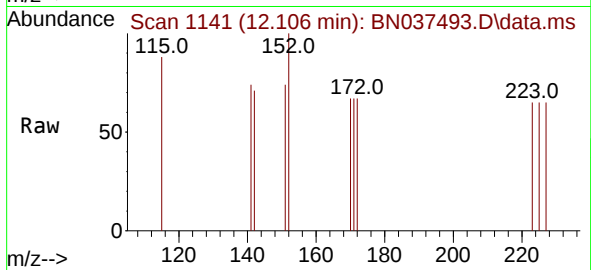




#11
2-Methylnaphthalene-d10
Concen: 0.005 ng
RT: 12.106 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

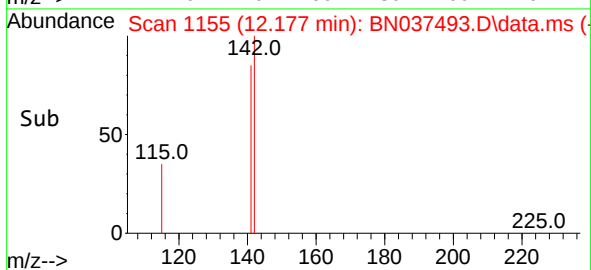
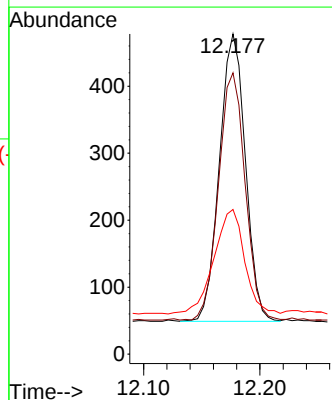
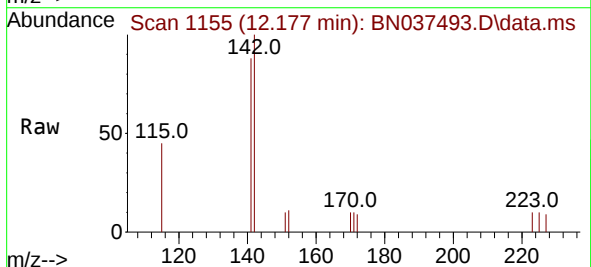
Instrument :
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ClientSampleId :
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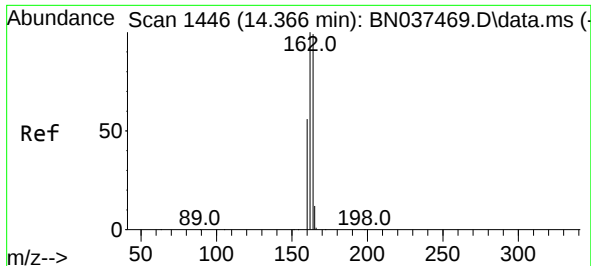
Tgt Ion:152 Resp: 38
Ion Ratio Lower Upper
152 100
151 21.1 17.0 25.6



#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#

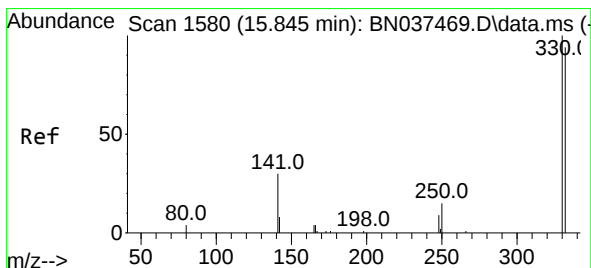
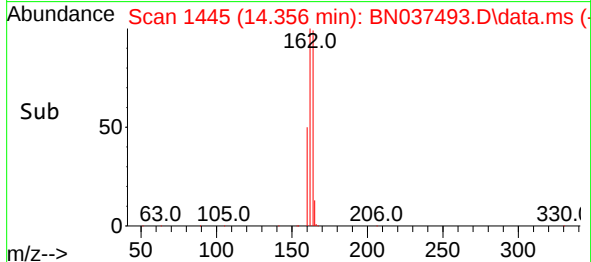
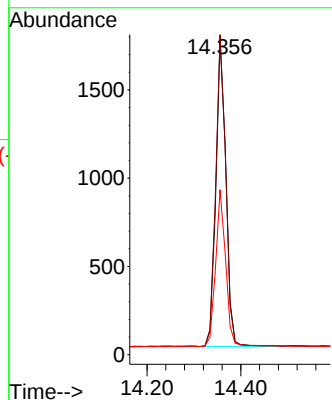
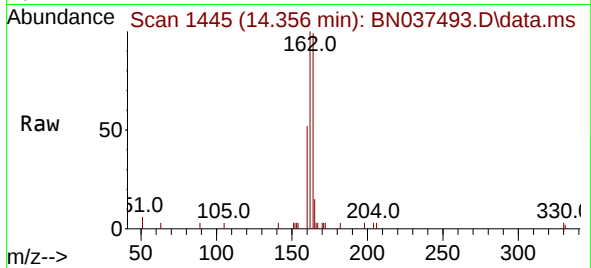




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.356 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

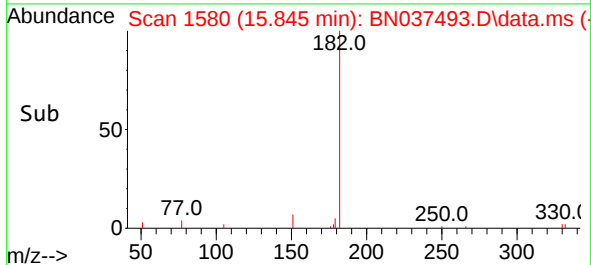
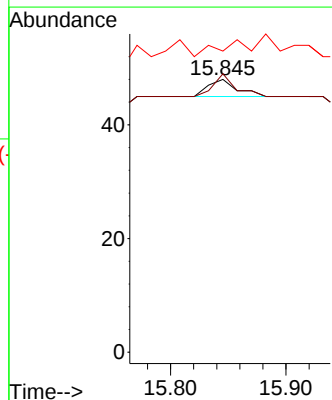
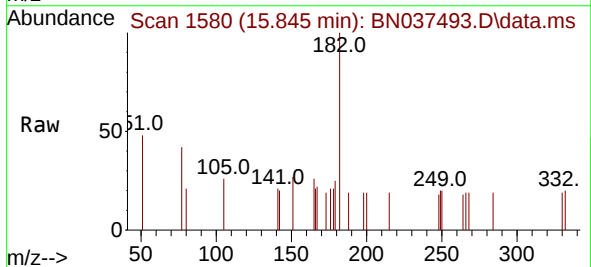
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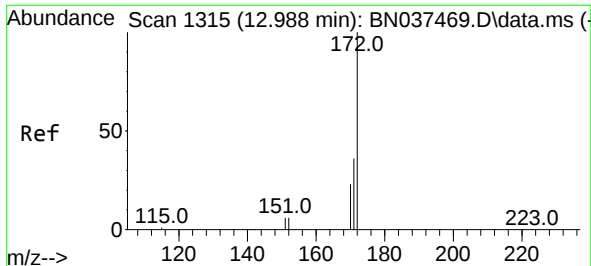
Tgt Ion:164 Resp: 2602
Ion Ratio Lower Upper
164 100
162 101.4 81.1 121.7
160 52.3 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.006 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:330 Resp: 5
Ion Ratio Lower Upper
330 100
332 100.0 82.0 123.0
141 100.0 36.2 54.2#

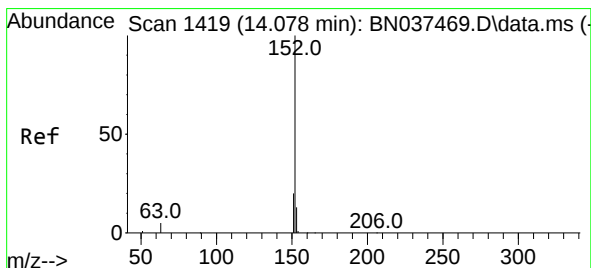
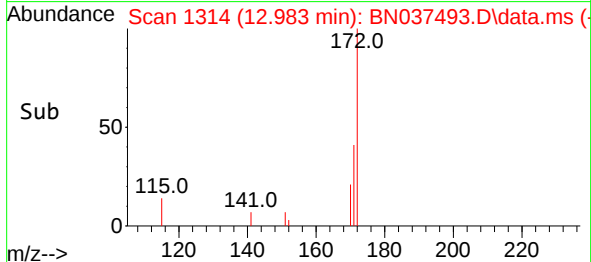
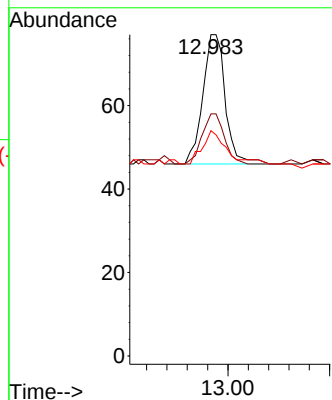
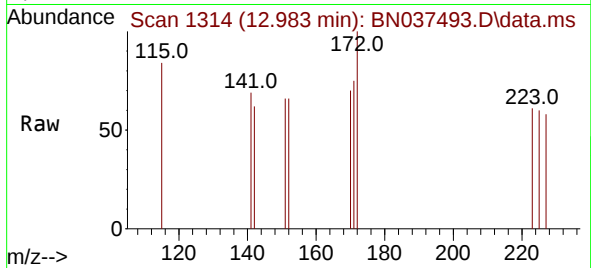




#15
2-Fluorobiphenyl
Concen: 0.004 ng
RT: 12.983 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

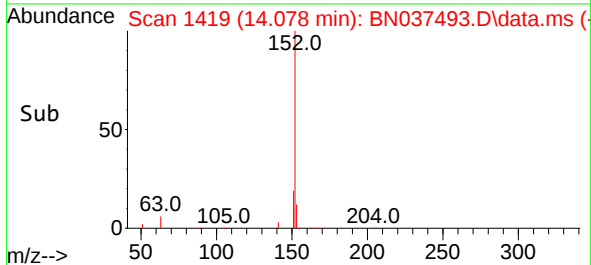
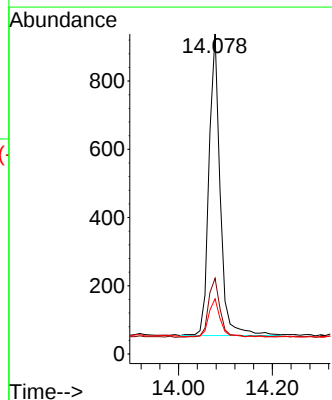
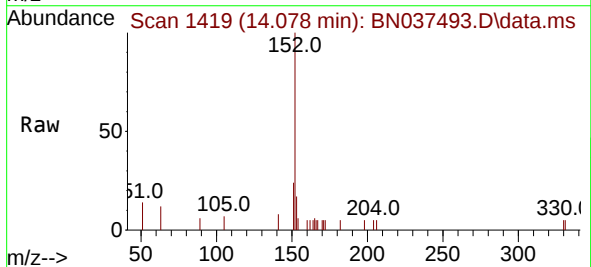
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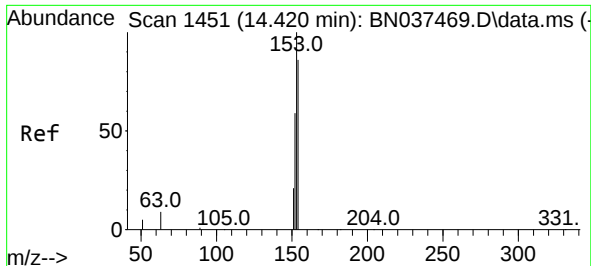
Tgt Ion:172 Resp: 60
Ion Ratio Lower Upper
172 100
171 75.3 29.8 44.8#
170 70.1 20.0 30.0#



#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

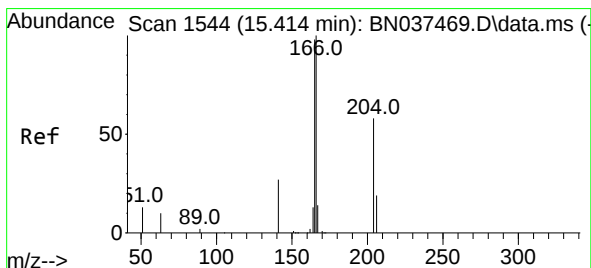
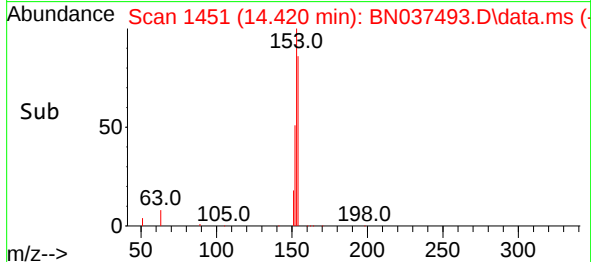
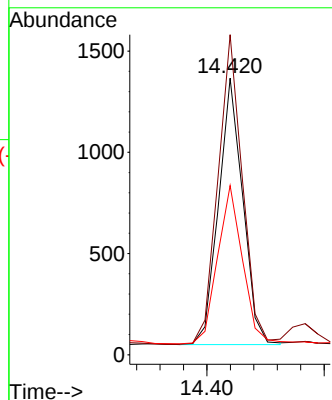
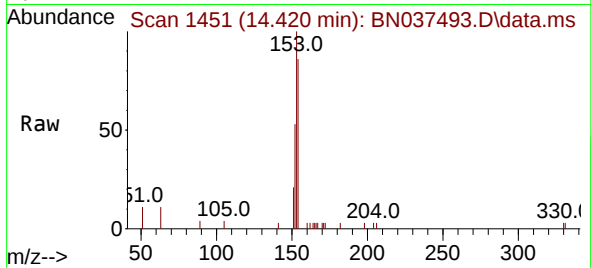




#17
Acenaphthene
Concen: 0.237 ng
RT: 14.420 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

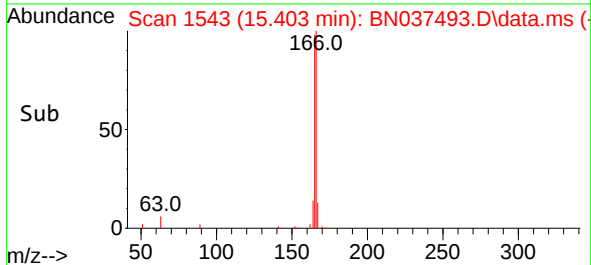
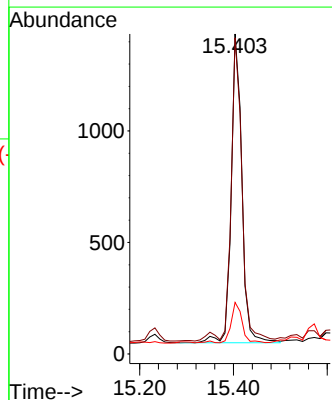
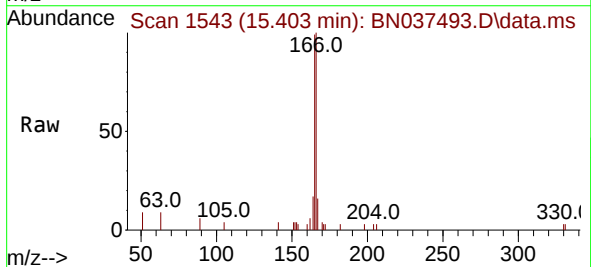
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

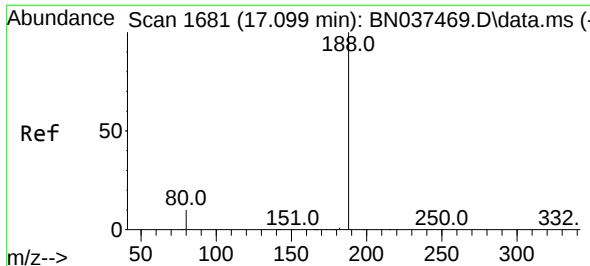
Tgt Ion:154 Resp: 1889
Ion Ratio Lower Upper
154 100
153 117.2 89.4 134.0
152 62.4 53.2 79.8



#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

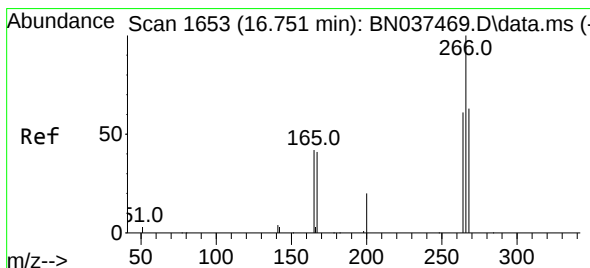
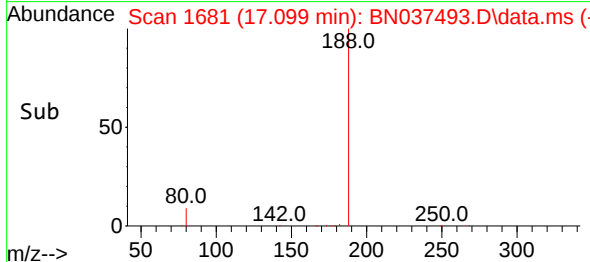
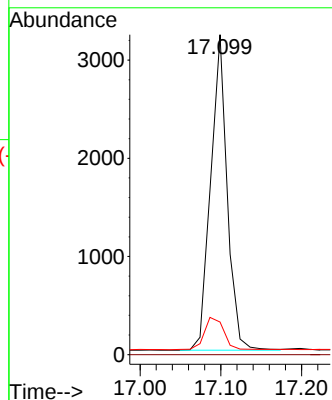
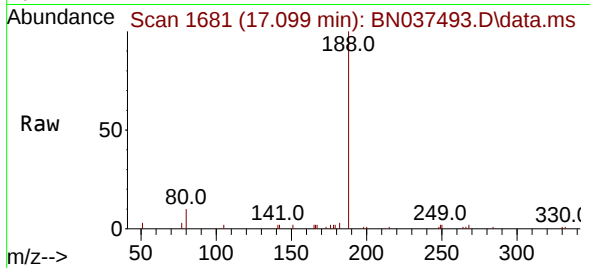




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

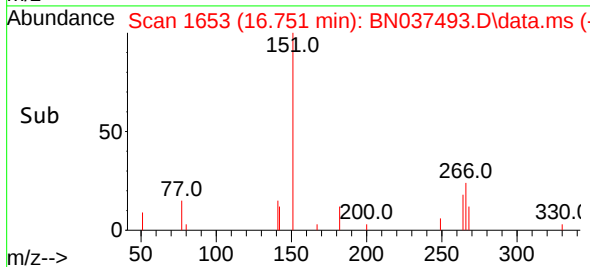
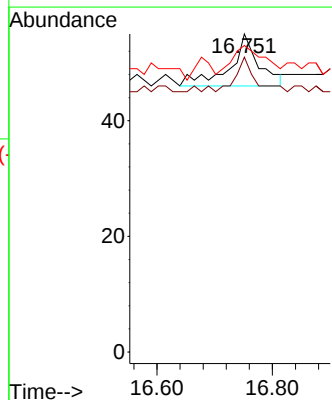
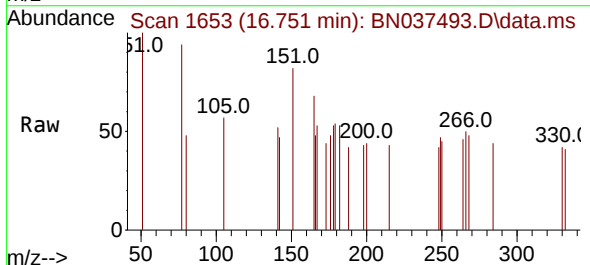
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

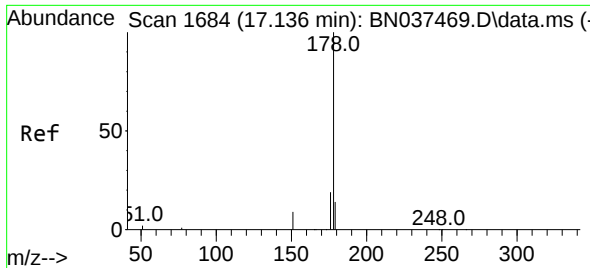
Tgt Ion:188 Resp: 4565
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.2 9.3 13.9



#24
Pentachlorophenol
Concen: 0.023 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:266 Resp: 31
Ion Ratio Lower Upper
266 100
264 45.2 47.5 71.3#
268 61.3 50.6 76.0

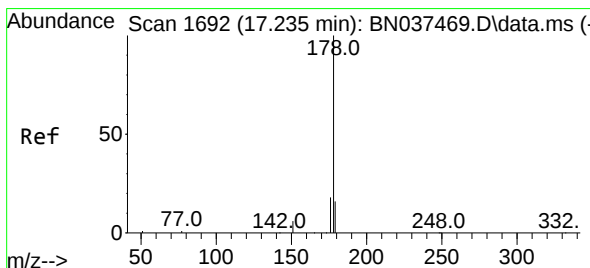
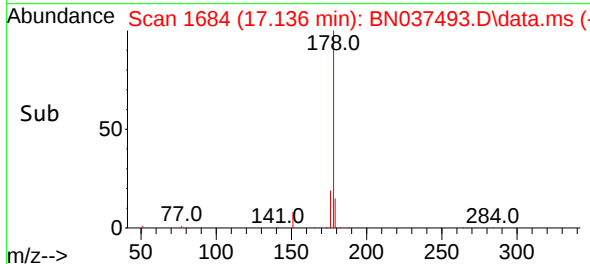
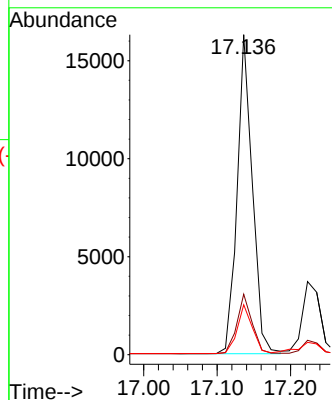
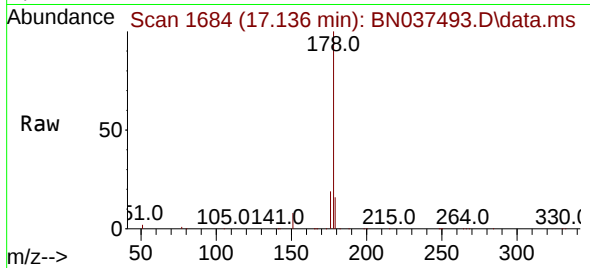




#25
Phenanthrene
Concen: 1.680 ng
RT: 17.136 min Scan# 1684
Delta R.T. 0.000 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

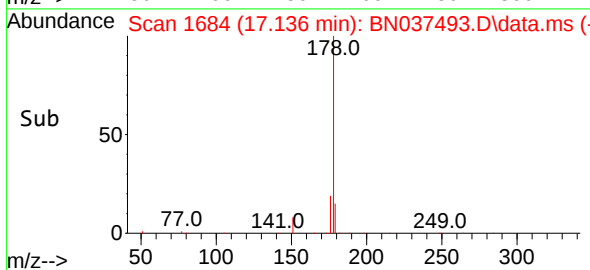
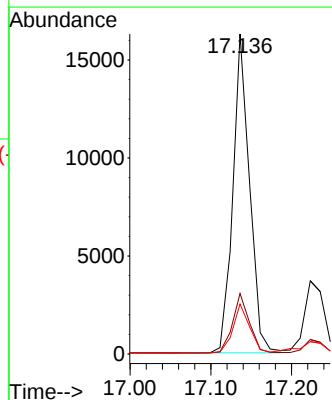
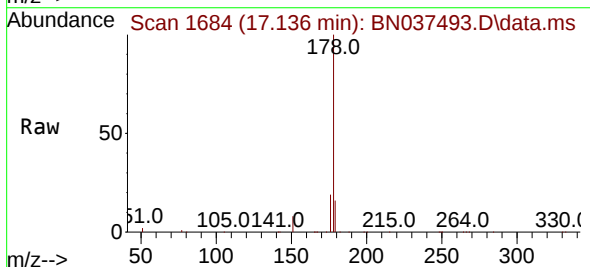
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

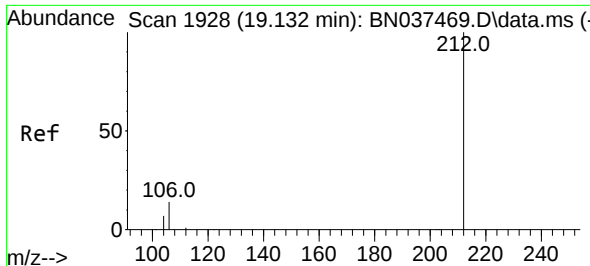
Tgt Ion:178 Resp: 23354
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.3 12.2 18.2



#26
Anthracene
Concen: 1.860 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.099 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

Tgt Ion:178 Resp: 23337
Ion Ratio Lower Upper
178 100
176 18.7 14.9 22.3
179 15.3 12.3 18.5

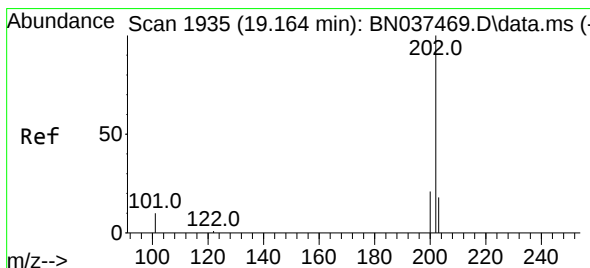
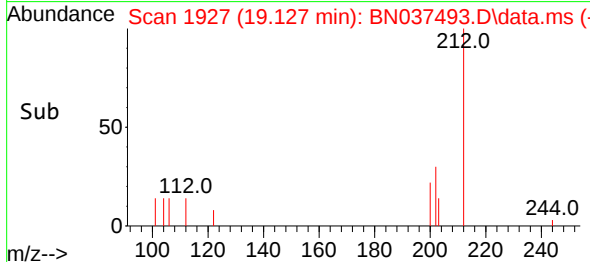
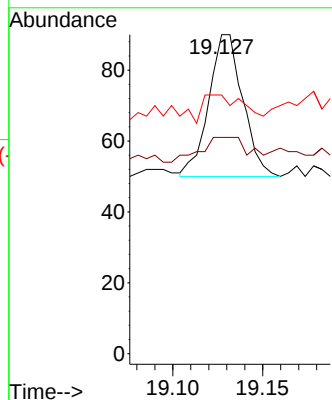
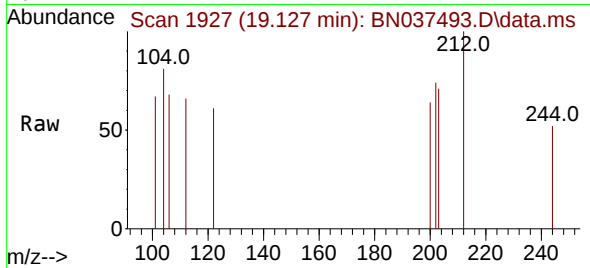




#27
Fluoranthene-d10
Concen: 0.005 ng
RT: 19.127 min Scan# 1927
Delta R.T. -0.005 min
Lab File: BN037493.D
Acq: 14 Jul 2025 16:11

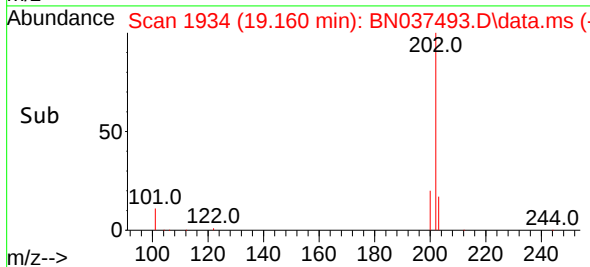
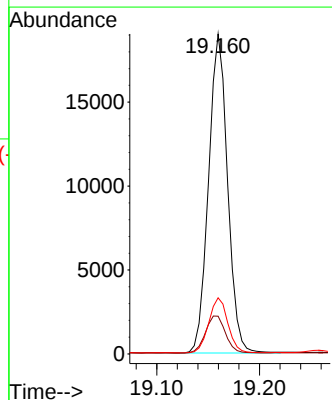
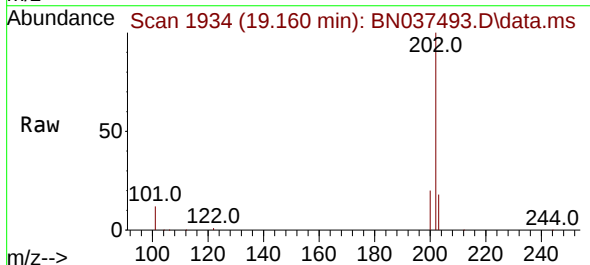
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2DL

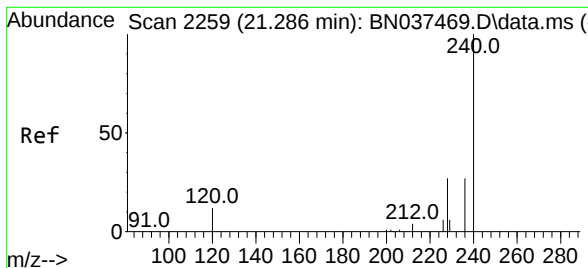
Tgt Ion:212 Resp: 53
Ion Ratio Lower Upper
212 100
106 24.5 11.7 17.5#
104 24.5 6.6 10.0#



#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

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# 21

Delta R.T. 0.000 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL

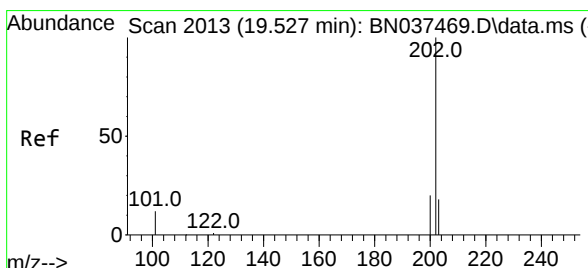
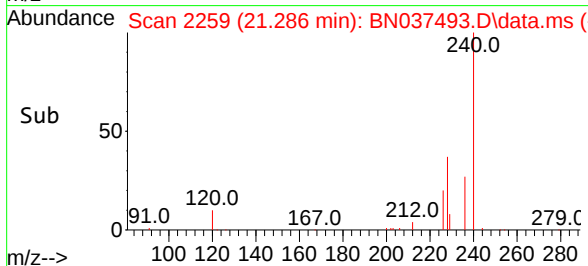
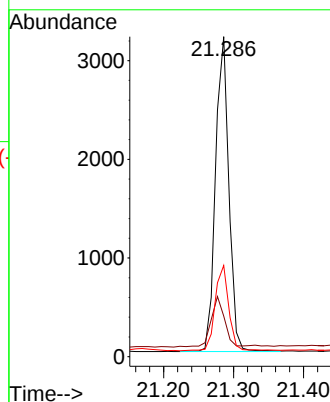
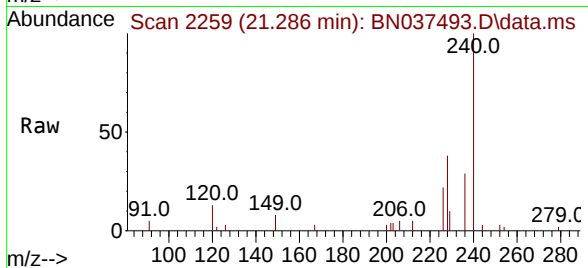
Tgt Ion:240 Resp: 4208

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# 2012

Delta R.T. -0.005 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

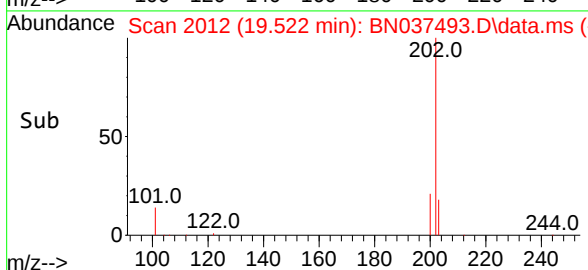
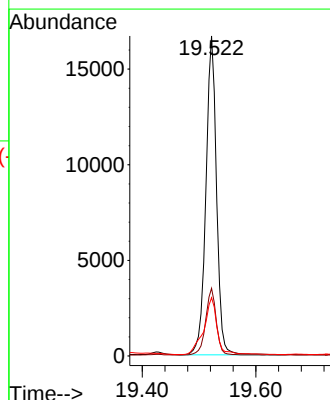
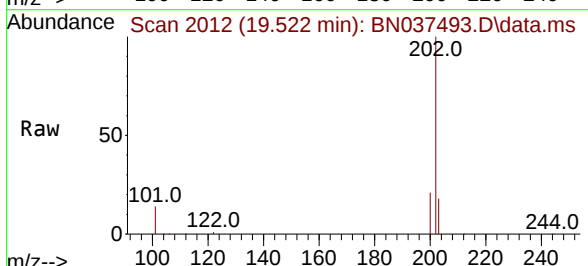
Tgt Ion:202 Resp: 21620

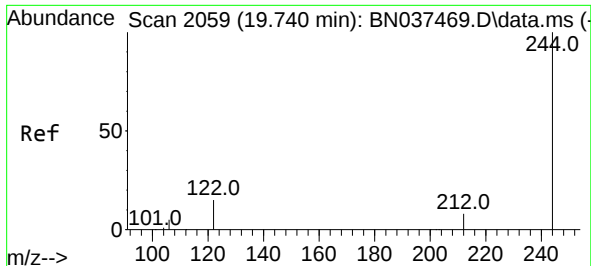
Ion Ratio Lower Upper

202 100

200 20.8 16.4 24.6

203 22.2 14.3 21.5#

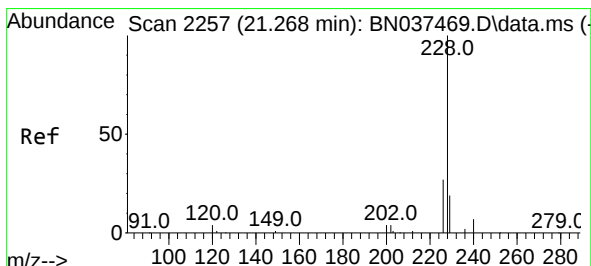
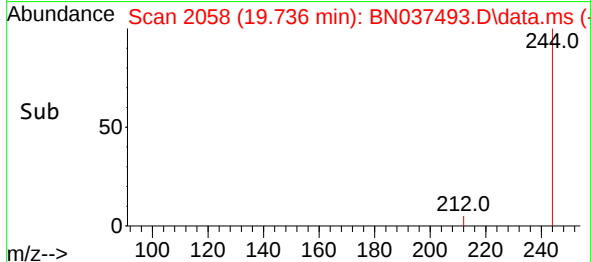
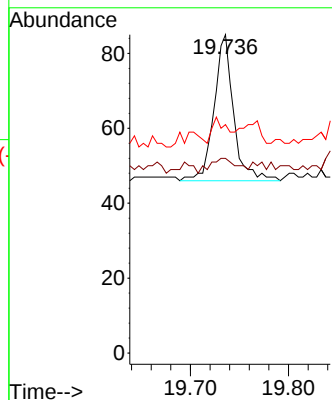
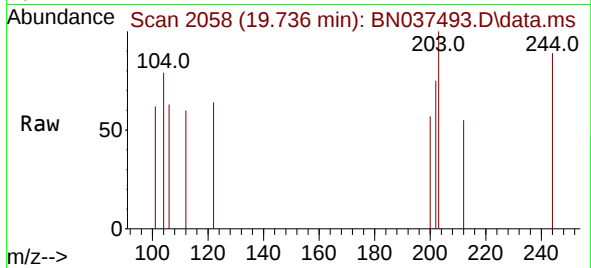




#31
 Terphenyl-d14
 Concen: 0.006 ng
 RT: 19.736 min Scan# 2058
 Delta R.T. -0.005 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

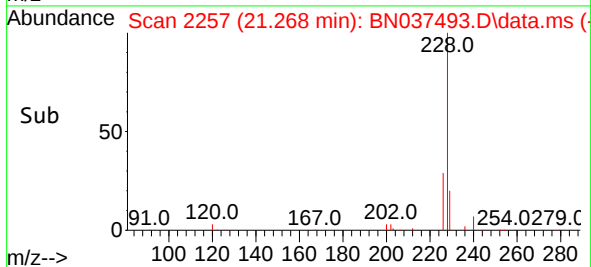
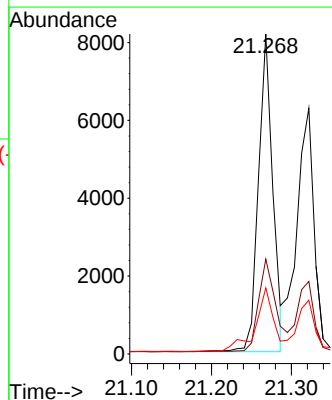
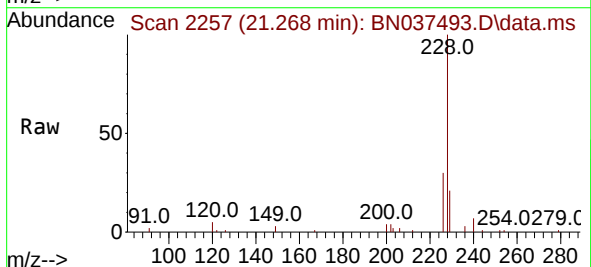
Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2DL

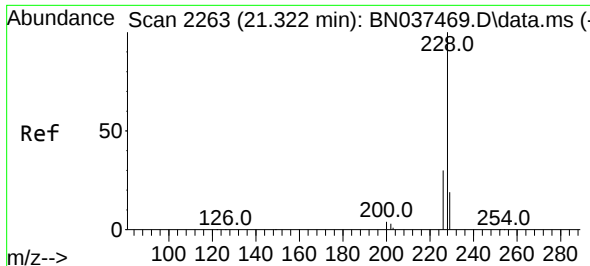
Tgt Ion:244 Resp: 54
 Ion Ratio Lower Upper
 244 100
 212 61.2 8.7 13.1#
 122 71.8 14.1 21.1#



#32
 Benzo(a)anthracene
 Concen: 0.716 ng
 RT: 21.268 min Scan# 2257
 Delta R.T. 0.000 min
 Lab File: BN037493.D
 Acq: 14 Jul 2025 16:11

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: 0.558 ng

RT: 21.322 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL

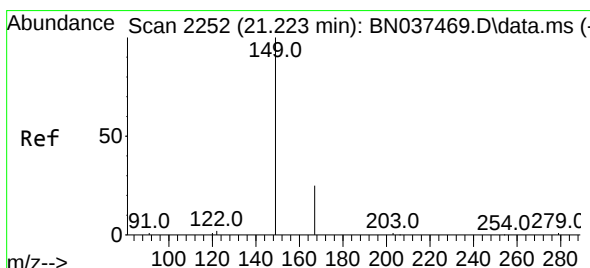
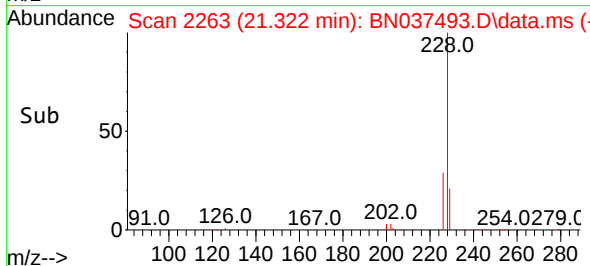
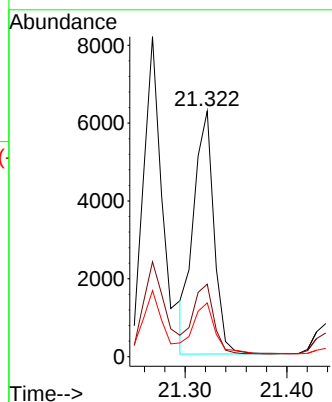
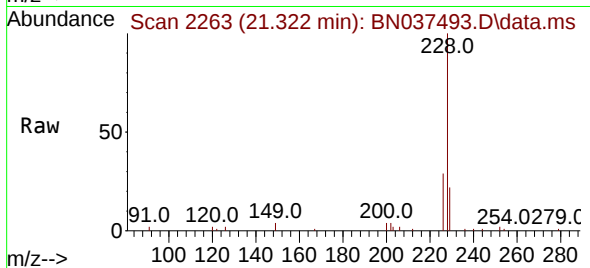
Tgt Ion:228 Resp: 8699

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# 2252

Delta R.T. 0.000 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

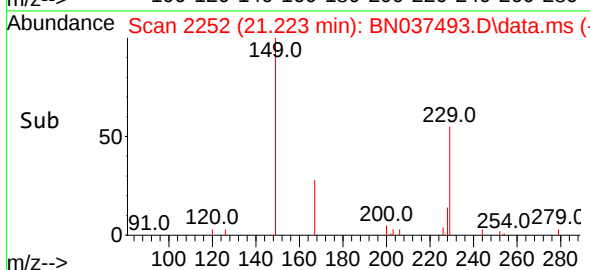
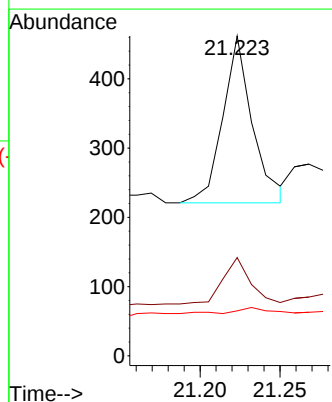
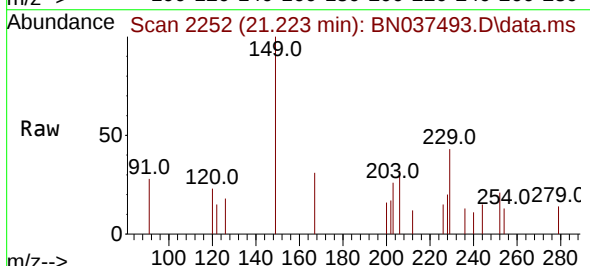
Tgt Ion:149 Resp: 311

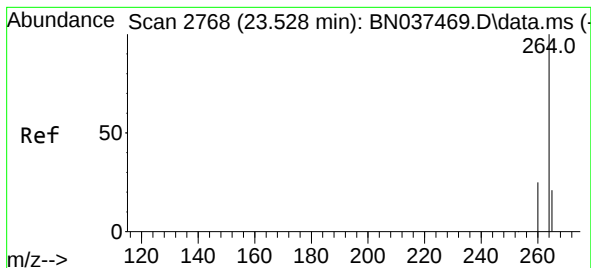
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.003 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL

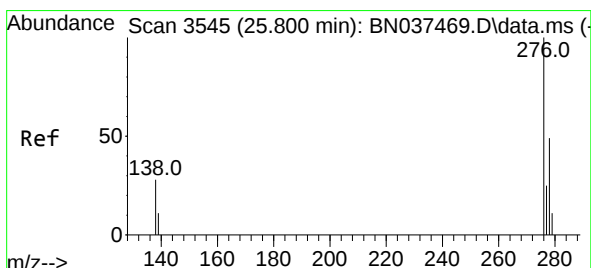
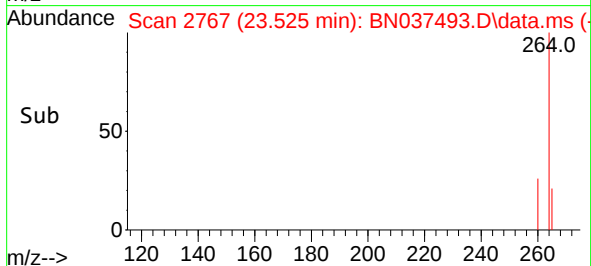
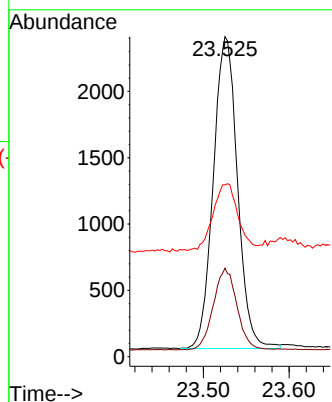
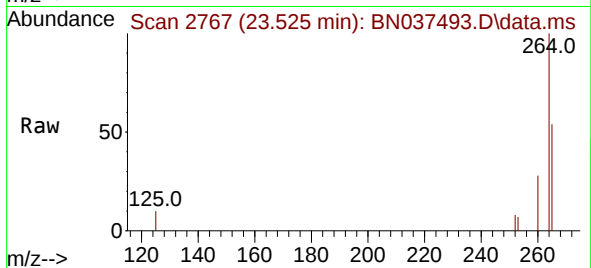
Tgt Ion:264 Resp: 4610

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# 3542

Delta R.T. -0.009 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

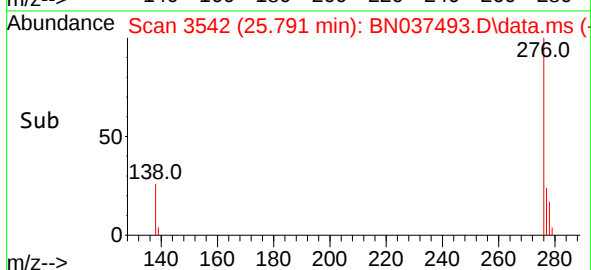
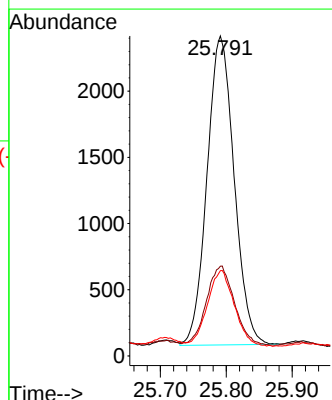
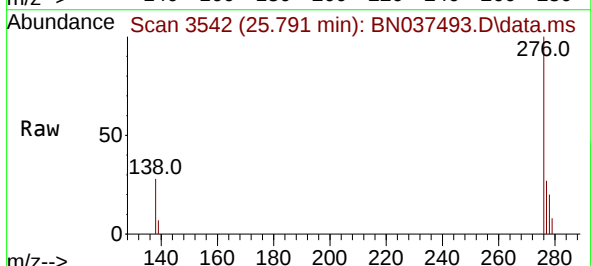
Tgt Ion:276 Resp: 6664

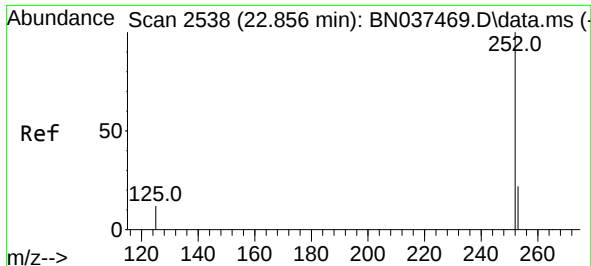
Ion Ratio Lower Upper

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

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL

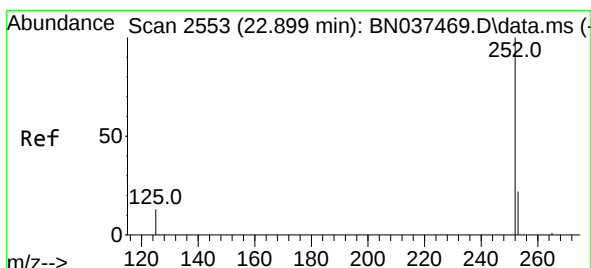
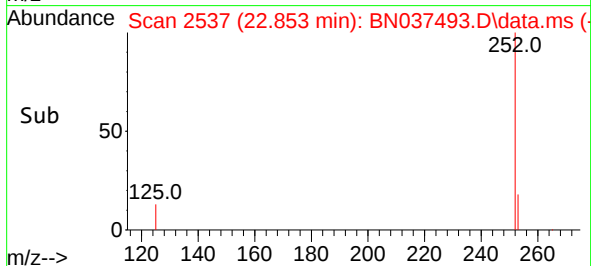
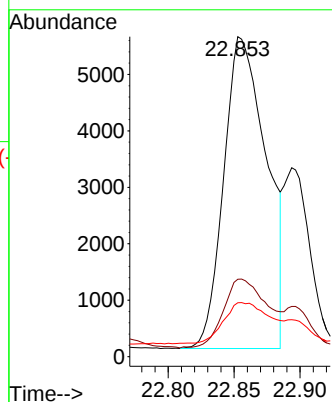
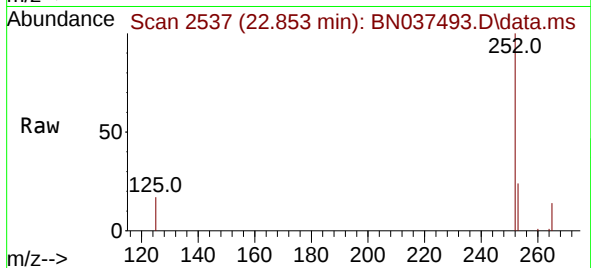
Tgt Ion:252 Resp: 12413

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: 0.683 ng

RT: 22.853 min Scan# 2537

Delta R.T. -0.047 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

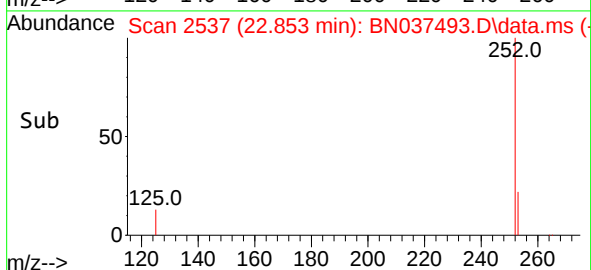
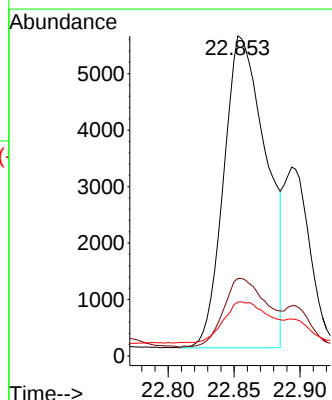
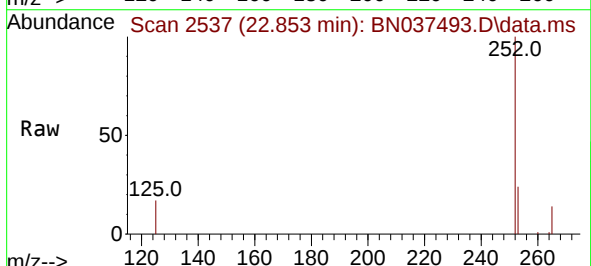
Tgt Ion:252 Resp: 12413

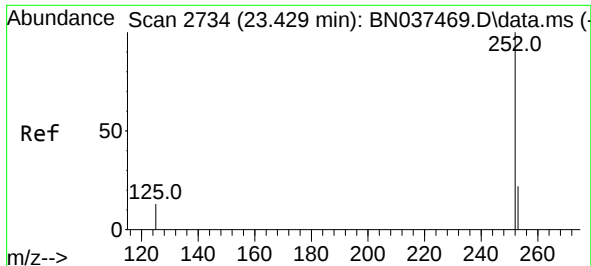
Ion Ratio Lower Upper

252 100

253 24.2 20.4 30.6

125 16.9 14.6 21.8





#39

Benzo(a)pyrene

Concen: 0.653 ng

RT: 23.423 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037493.D

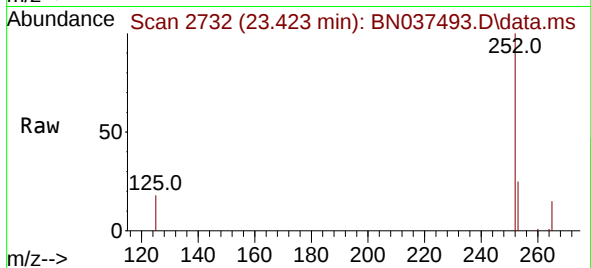
Acq: 14 Jul 2025 16:11

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2DL



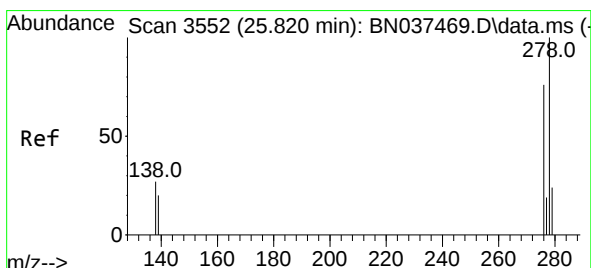
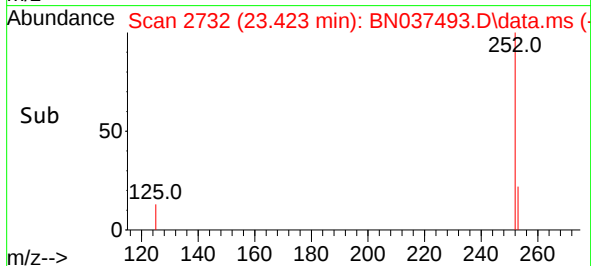
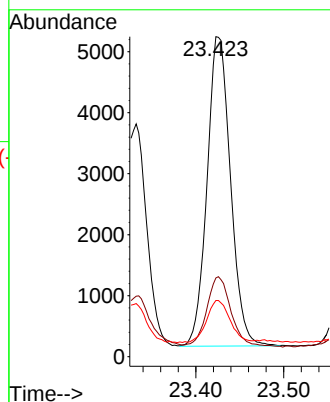
Tgt Ion:252 Resp: 9418

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# 3547

Delta R.T. -0.015 min

Lab File: BN037493.D

Acq: 14 Jul 2025 16:11

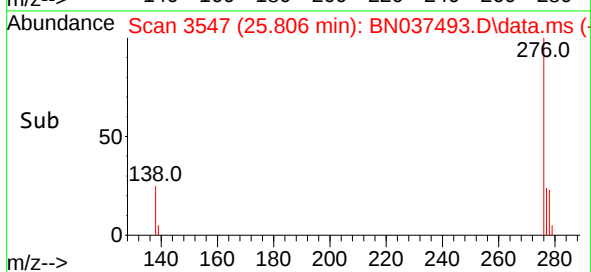
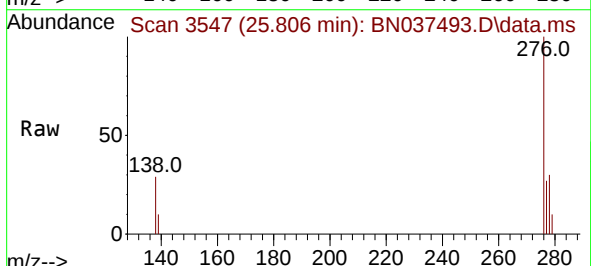
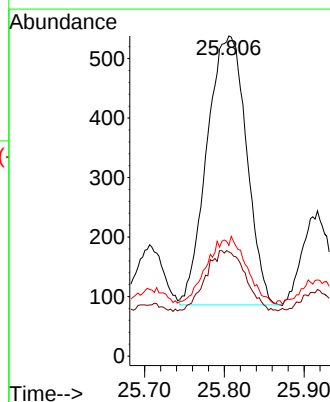
Tgt Ion:278 Resp: 1553

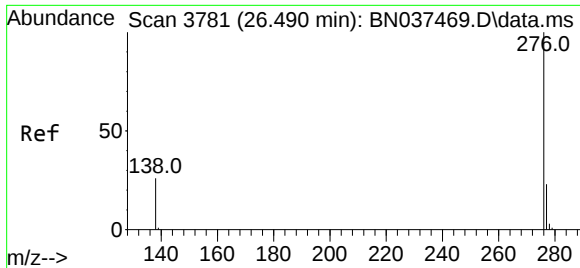
Ion Ratio Lower Upper

278 100

139 32.5 19.9 29.9#

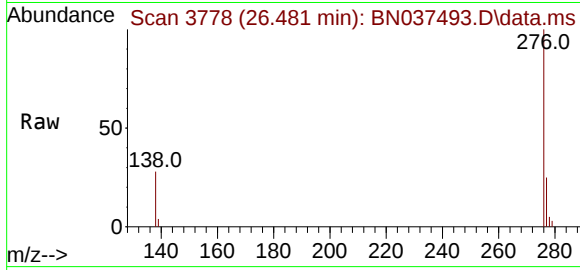
279 34.6 24.8 37.2





#41
Benzo(g,h,i)perylene
Concen: 0.476 ng
RT: 26.481 min Scan# 31
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: 7527
Ion Ratio Lower Upper
276 100
277 25.5 21.7 32.5
138 27.5 24.3 36.5

