

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071425\
 Data File : BN037490.D
 Acq On : 14 Jul 2025 14:21
 Operator : RC/JU
 Sample : Q2580-02 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 WC-URBAN-FILL-B2

Quant Time: Jul 14 15:03:24 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)

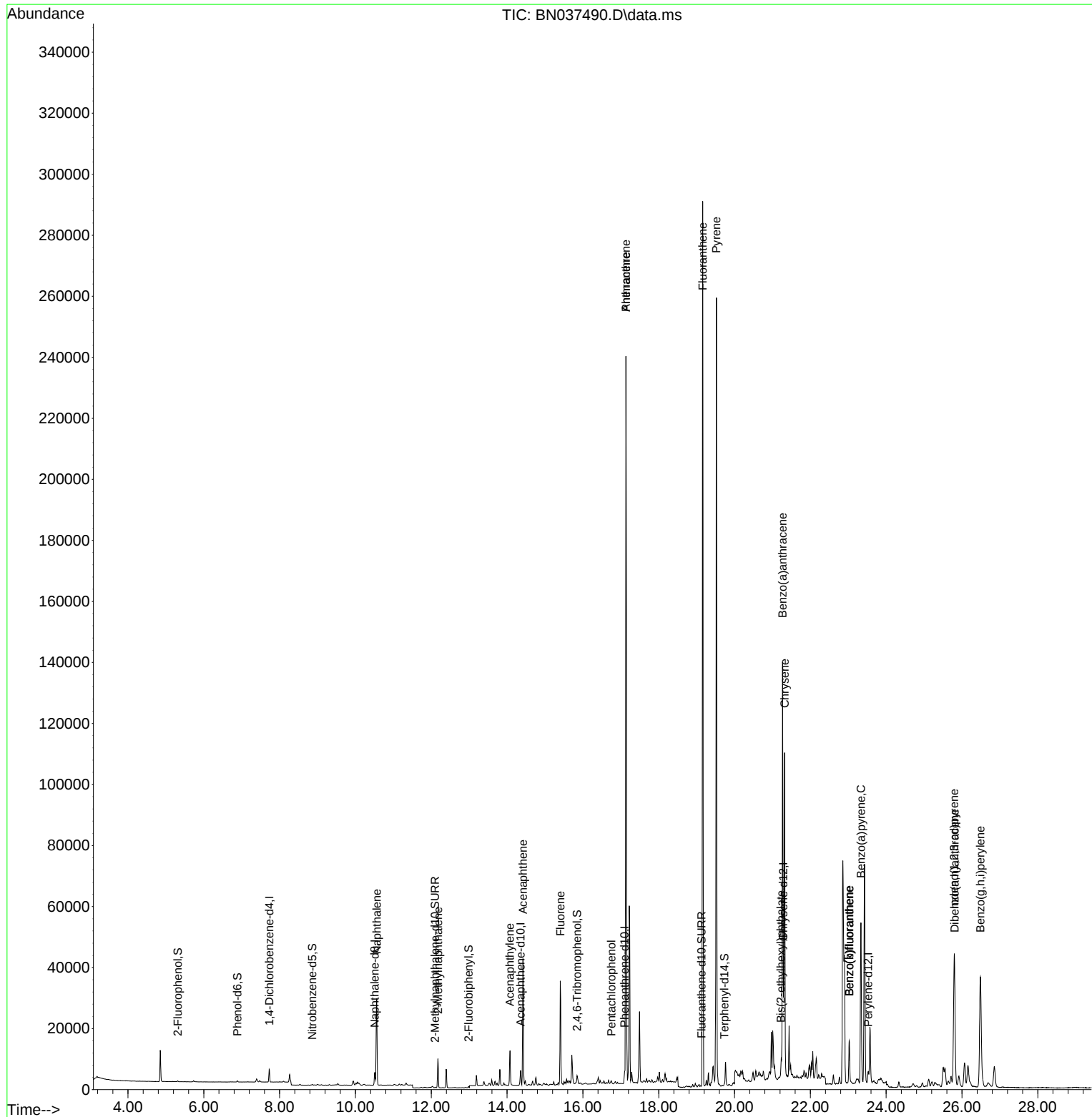
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	2050	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	5267	0.400	ng	0.00
13) Acenaphthene-d10	14.355	164	2641	0.400	ng	-0.01
19) Phenanthrene-d10	17.099	188	4759	0.400	ng	0.00
29) Chrysene-d12	21.286	240	4632	0.400	ng	0.00
35) Perylene-d12	23.528	264	4958	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.312	112	225	0.047	ng	0.00
5) Phenol-d6	6.886	99	312	0.052	ng	0.00
8) Nitrobenzene-d5	8.864	82	151	0.039	ng	0.00
11) 2-Methylnaphthalene-d10	12.100	152	260	0.036	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	53	0.059	ng	0.00
15) 2-Fluorobiphenyl	12.988	172	456	0.030	ng	0.00
27) Fluoranthene-d10	19.131	212	459	0.038	ng	0.00
31) Terphenyl-d14	19.735	244	458	0.047	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.562	128	38208	2.700	ng	97
12) 2-Methylnaphthalene	12.176	142	6473	0.730	ng	98
16) Acenaphthylene	14.077	152	12589	1.045	ng	99
17) Acenaphthene	14.419	154	19362	2.396	ng	95
18) Fluorene	15.403	166	21768	2.144	ng	99
24) Pentachlorophenol	16.751	266	104	0.074	ng	# 89
25) Phenanthrene	17.136	178	240376	16.588	ng	100
26) Anthracene	17.136	178	240342	18.378	ng	100
28) Fluoranthene	19.159	202	249627	15.698	ng	99
30) Pyrene	19.522	202	223187	11.985	ng	# 95
32) Benzo(a)anthracene	21.268	228	112590	7.178	ng	98
33) Chrysene	21.321	228	89352	5.211	ng	98
34) Bis(2-ethylhexyl)phtha...	21.223	149	1225	0.230	ng	# 93
36) Indeno(1,2,3-cd)pyrene	25.797	276	66542	3.458	ng	97
37) Benzo(b)fluoranthene	23.025	252	17778	0.922	ng	98
38) Benzo(k)fluoranthene	23.025	252	18937	0.969	ng	98
39) Benzo(a)pyrene	23.335	252	66978	4.316	ng	94
40) Dibenzo(a,h)anthracene	25.808	278	15659	1.009	ng	92
41) Benzo(g,h,i)perylene	26.486	276	75545	4.443	ng	93

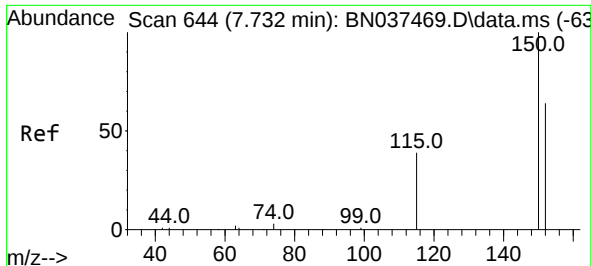
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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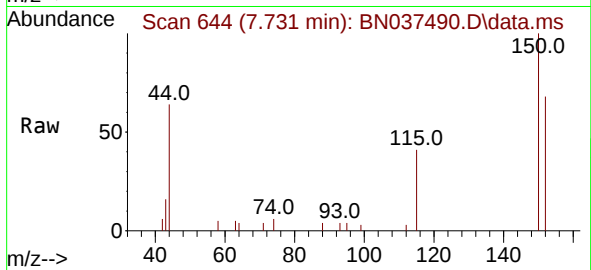
Quant Time: Jul 14 15:03:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN071125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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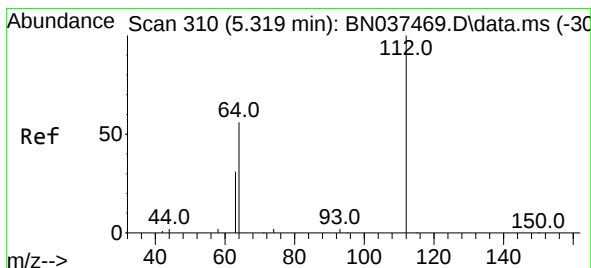
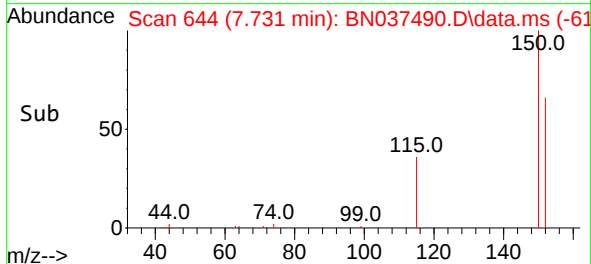
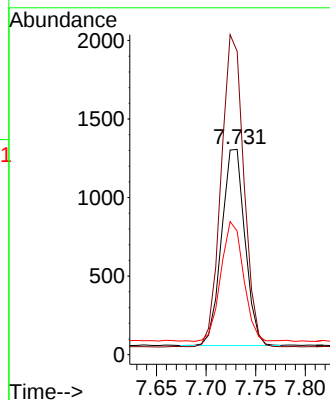
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.731 min Scan# 644
 Delta R.T. -0.001 min
 Lab File: BN037490.D
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Tgt Ion:152 Resp: 2050

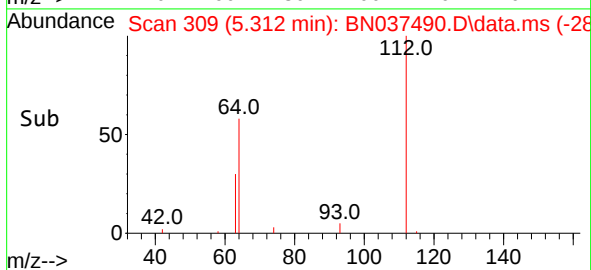
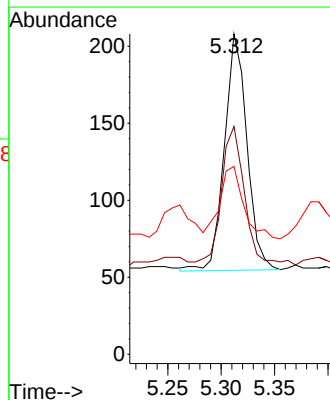
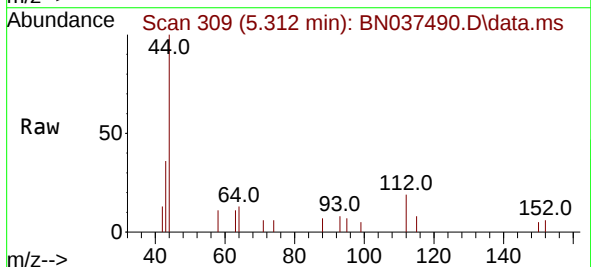
Ion	Ratio	Lower	Upper
152	100		
150	147.7	122.5	183.7
115	60.1	49.9	74.9

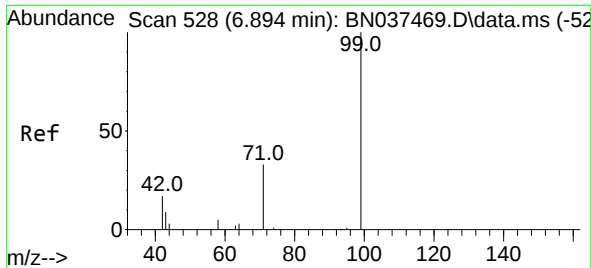


#4
 2-Fluorophenol
 Concen: 0.047 ng
 RT: 5.312 min Scan# 309
 Delta R.T. -0.008 min
 Lab File: BN037490.D
 Acq: 14 Jul 2025 14:21

Tgt Ion:112 Resp: 225

Ion	Ratio	Lower	Upper
112	100		
64	59.6	45.4	68.0
63	33.3	24.7	37.1

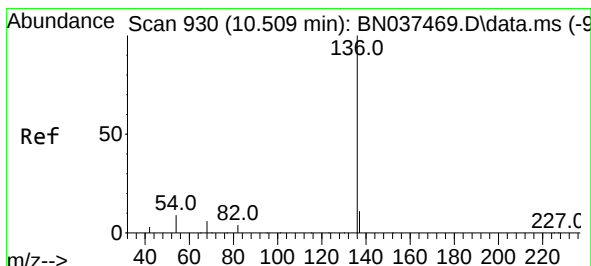
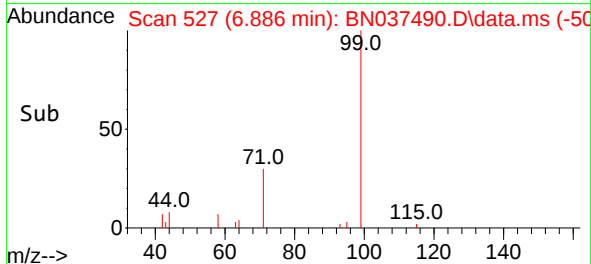
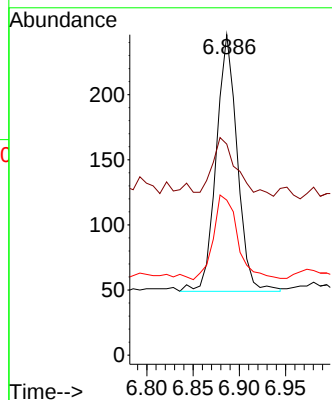
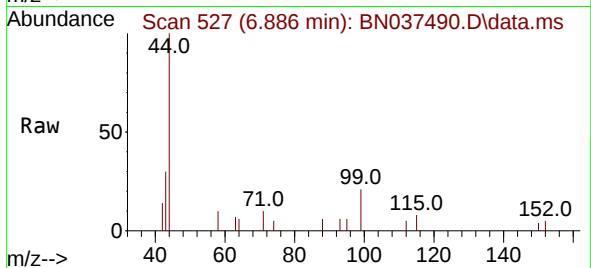




#5
Phenol-d6
Concen: 0.052 ng
RT: 6.886 min Scan# 51
Delta R.T. -0.008 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

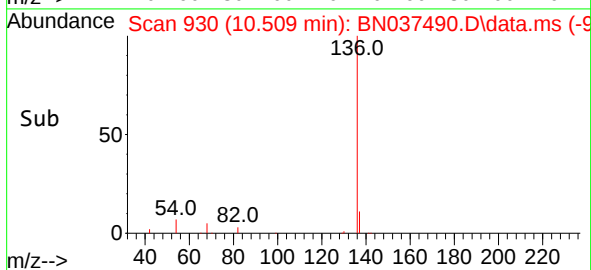
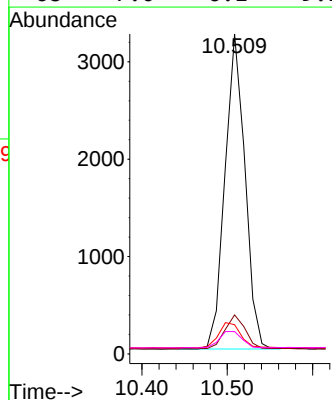
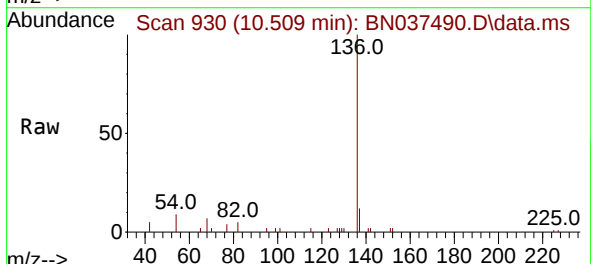
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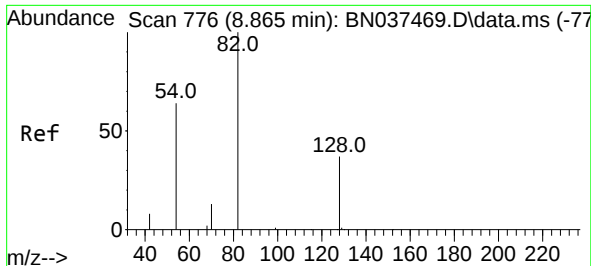
Tgt Ion:	99	Resp:	312
Ion	Ratio	Lower	Upper
99	100		
42	26.0	19.5	29.3
71	38.1	29.4	44.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:	136	Resp:	5267
Ion	Ratio	Lower	Upper
136	100		
137	12.2	10.0	15.0
54	9.2	9.0	13.6
68	7.0	6.1	9.1

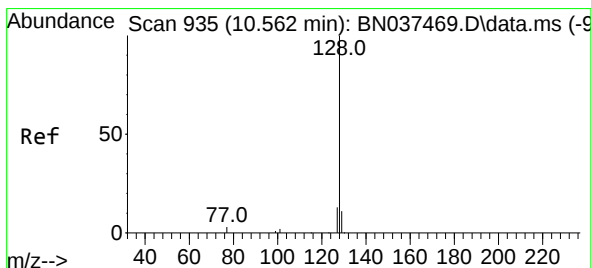
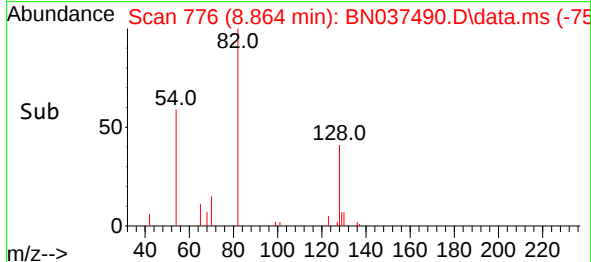
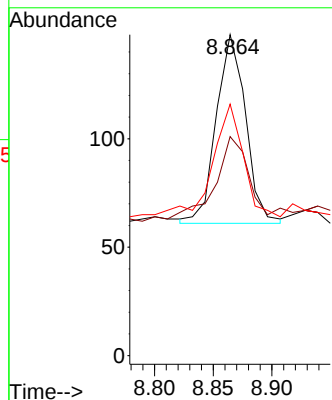
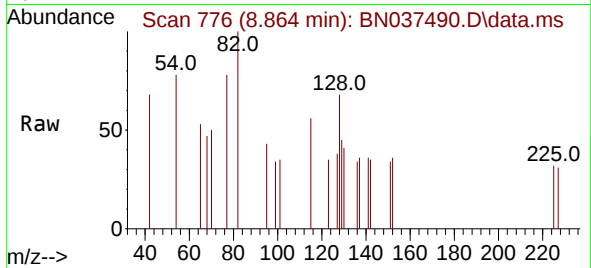




#8
Nitrobenzene-d5
Concen: 0.039 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

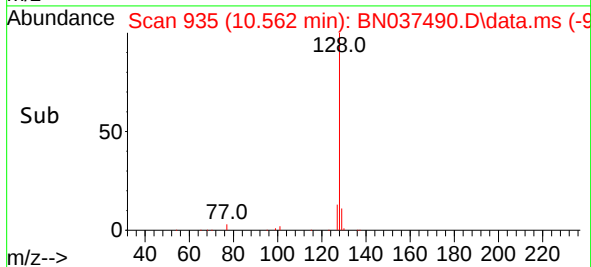
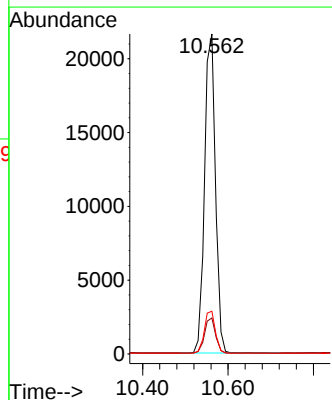
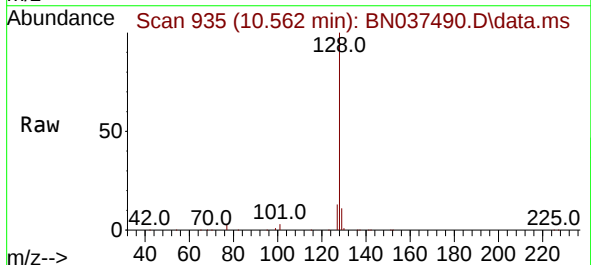
Instrument :
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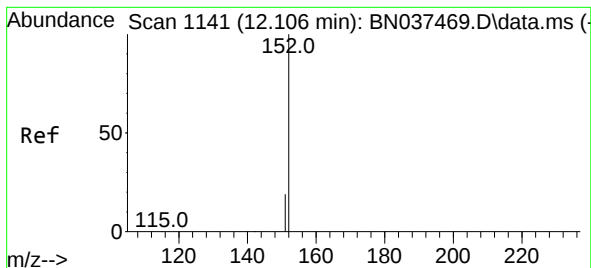
Tgt Ion: 82 Resp: 151
Ion Ratio Lower Upper
82 100
128 68.2 33.1 49.7#
54 78.4 53.0 79.4



#9
Naphthalene
Concen: 2.700 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:128 Resp: 38208
Ion Ratio Lower Upper
128 100
129 11.3 10.2 15.2
127 13.4 11.8 17.6

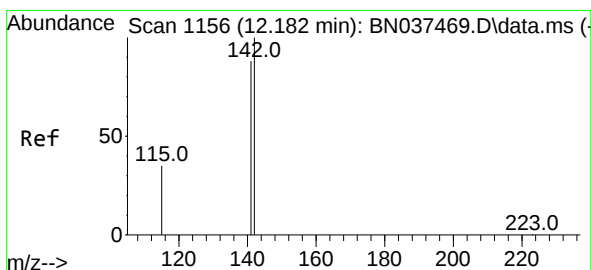
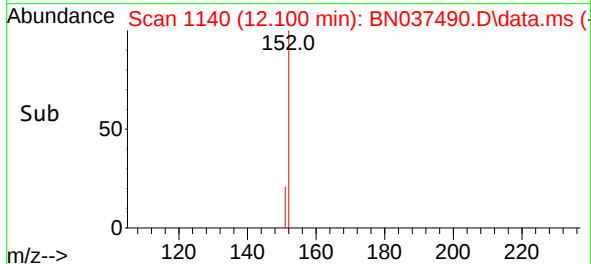
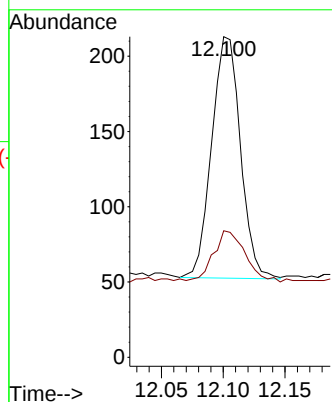
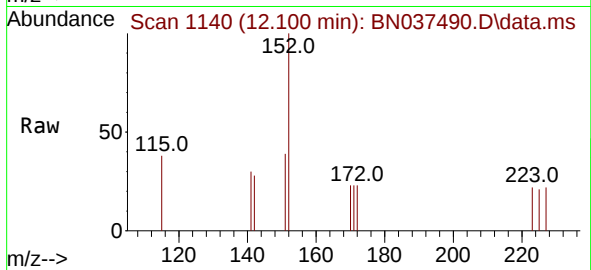




#11
2-Methylnaphthalene-d10
Concen: 0.036 ng
RT: 12.100 min Scan# 1140
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

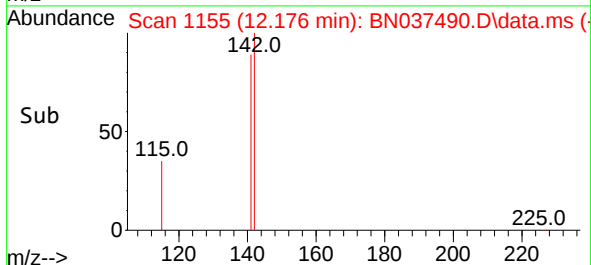
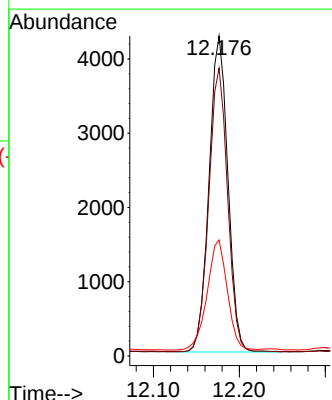
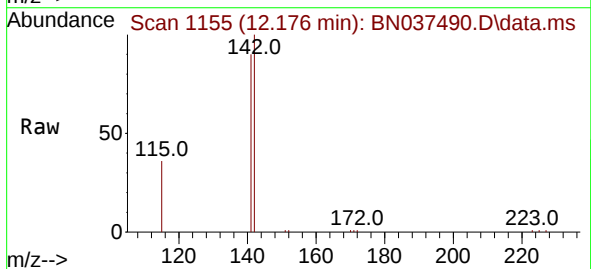
Instrument :
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ClientSampleId :
WC-URBAN-FILL-B2

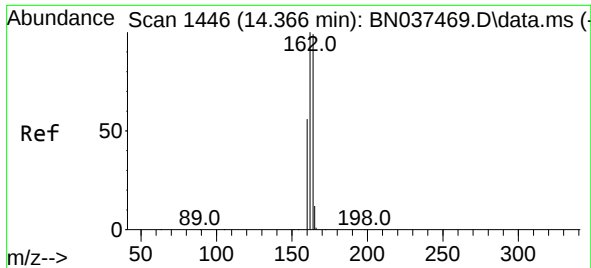
Tgt Ion:152 Resp: 260
Ion Ratio Lower Upper
152 100
151 23.5 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.730 ng
RT: 12.176 min Scan# 1155
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:142 Resp: 6473
Ion Ratio Lower Upper
142 100
141 90.0 70.6 105.8
115 36.2 30.0 45.0

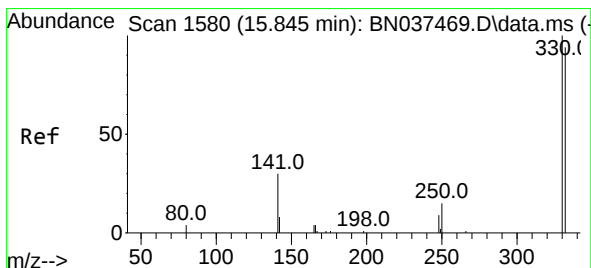
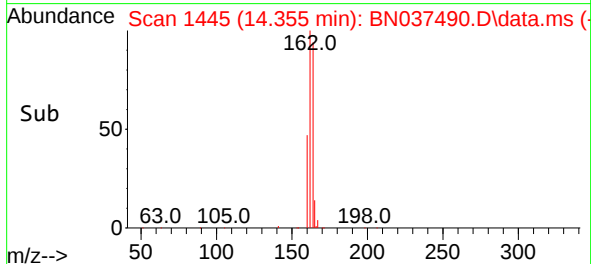
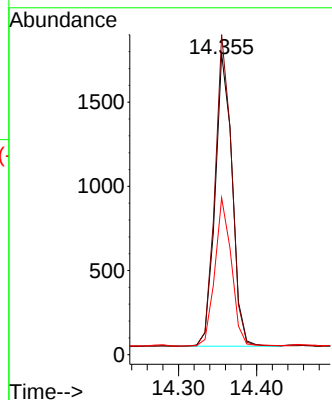
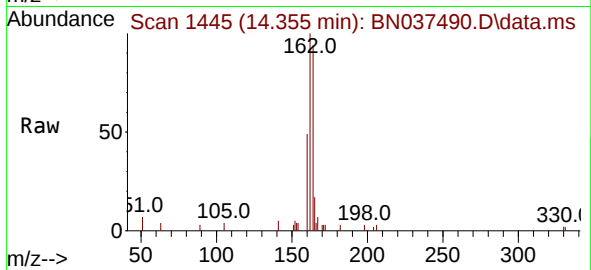




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.355 min Scan# 1445
Delta R.T. -0.011 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

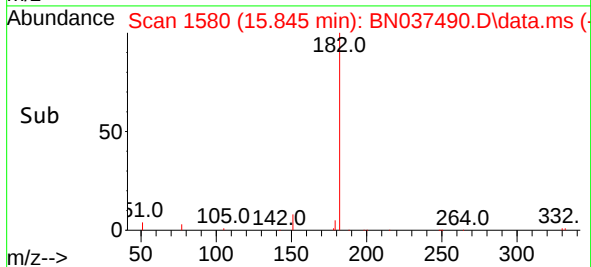
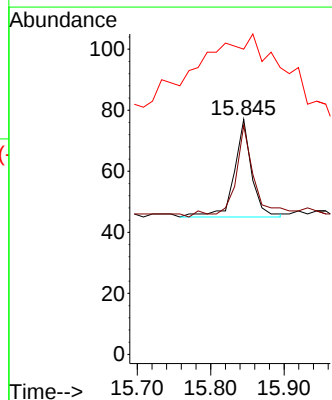
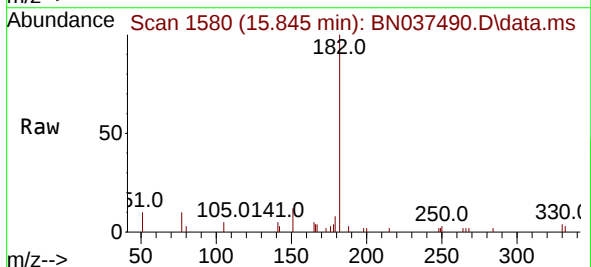
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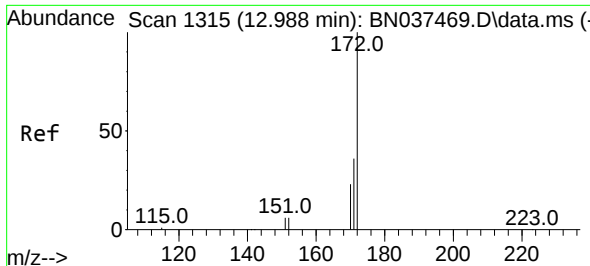
Tgt Ion:164 Resp: 2641
Ion Ratio Lower Upper
164 100
162 106.3 81.1 121.7
160 52.1 46.5 69.7



#14
2,4,6-Tribromophenol
Concen: 0.059 ng
RT: 15.845 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:330 Resp: 53
Ion Ratio Lower Upper
330 100
332 105.7 82.0 123.0
141 460.4 36.2 54.2#

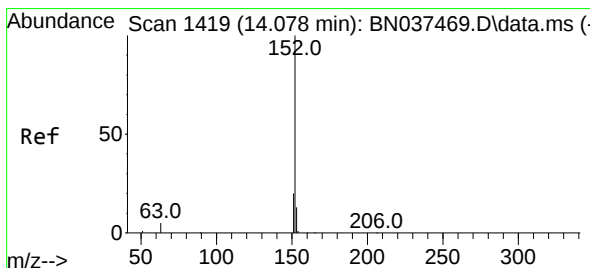
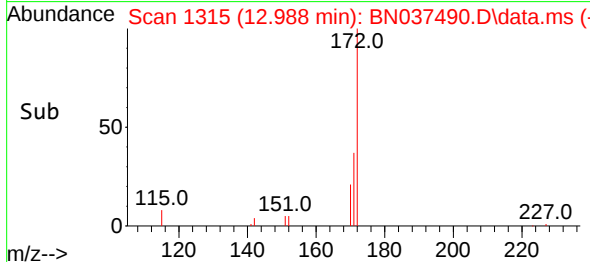
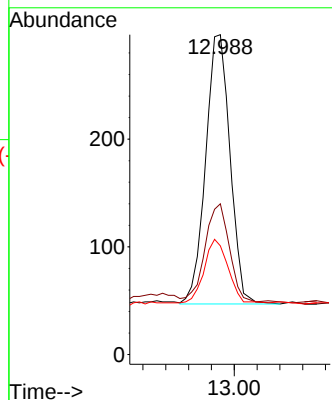
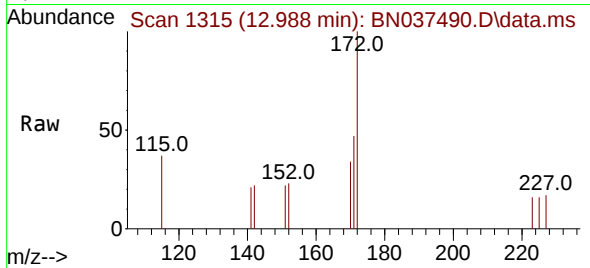




#15
2-Fluorobiphenyl
Concen: 0.030 ng
RT: 12.988 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

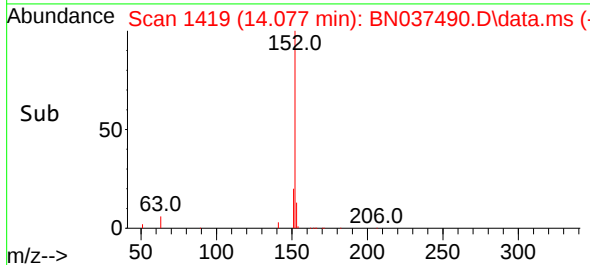
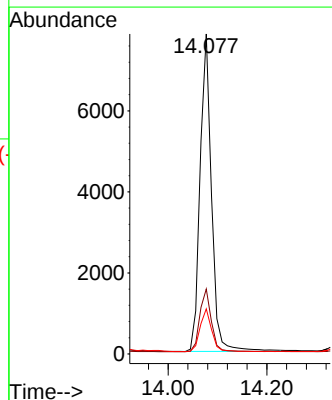
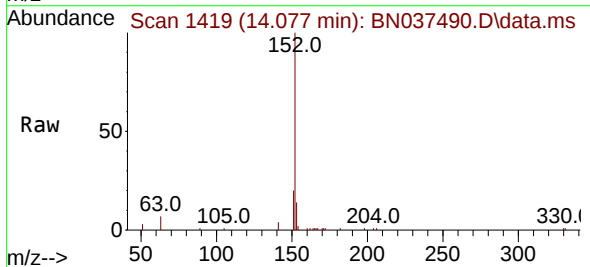
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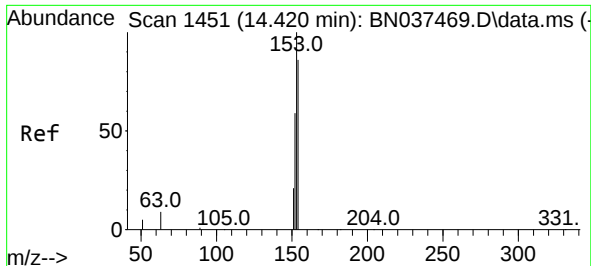
Tgt Ion:172 Resp: 456
Ion Ratio Lower Upper
172 100
171 47.1 29.8 44.8#
170 34.0 20.0 30.0#



#16
Acenaphthylene
Concen: 1.045 ng
RT: 14.077 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:152 Resp: 12589
Ion Ratio Lower Upper
152 100
151 20.0 16.4 24.6
153 13.6 10.6 15.8

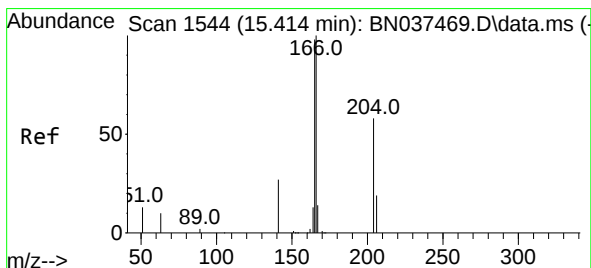
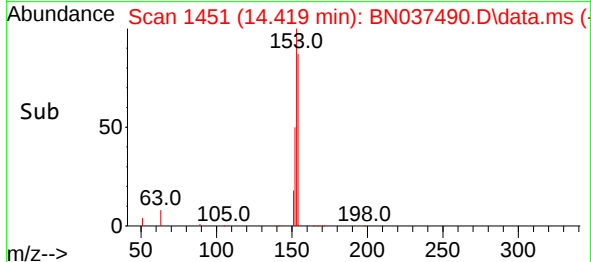
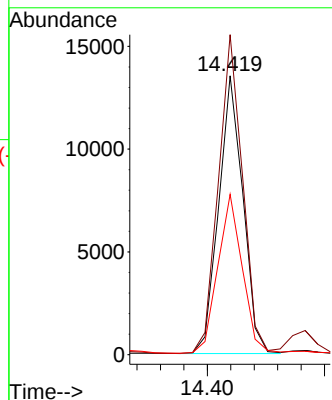
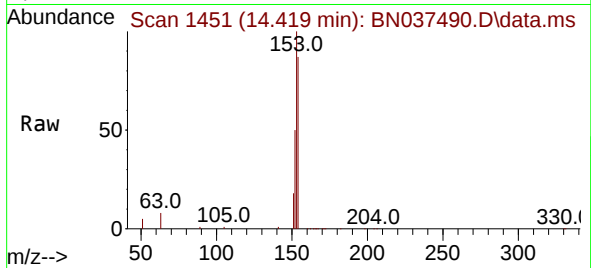




#17
Acenaphthene
Concen: 2.396 ng
RT: 14.419 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

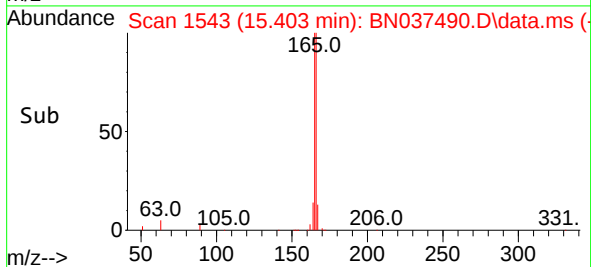
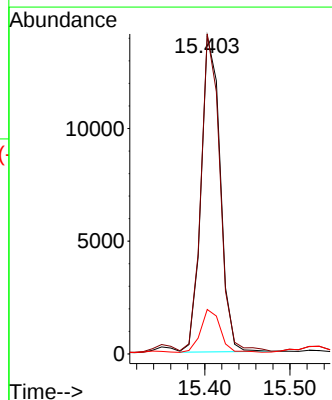
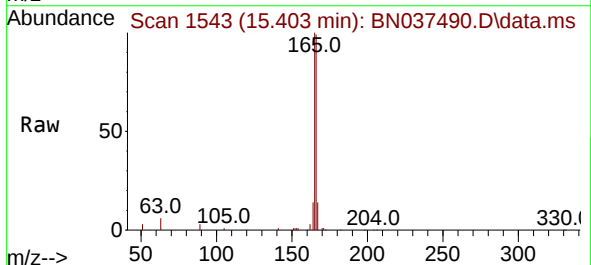
Instrument :
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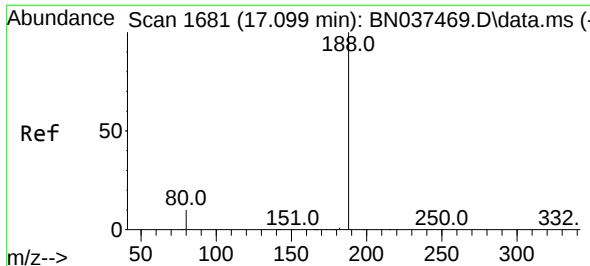
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Ion Ratio Lower Upper
154 100
153 114.2 89.4 134.0
152 58.6 53.2 79.8



#18
Fluorene
Concen: 2.144 ng
RT: 15.403 min Scan# 1543
Delta R.T. -0.011 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:166 Resp: 21768
Ion Ratio Lower Upper
166 100
165 99.6 79.4 119.2
167 13.9 10.6 15.8

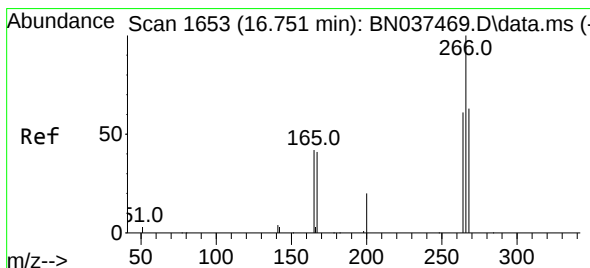
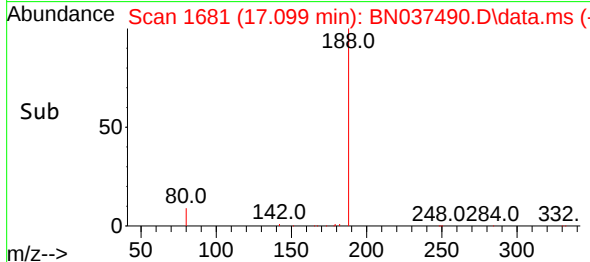
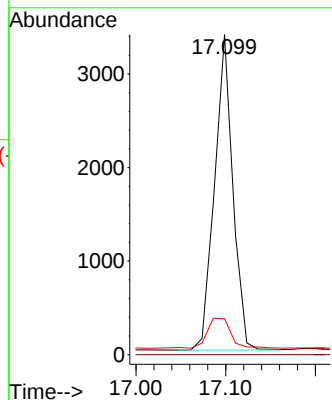
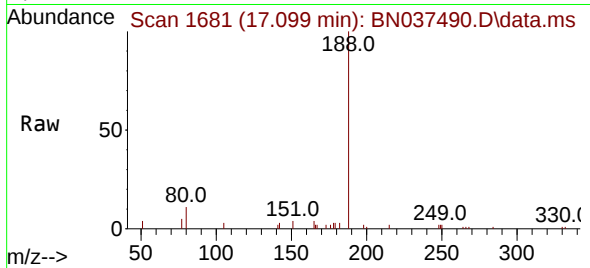




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.099 min Scan# 1681
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

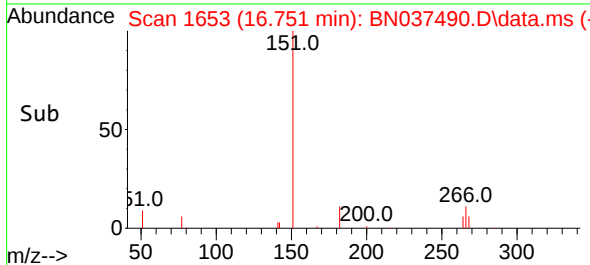
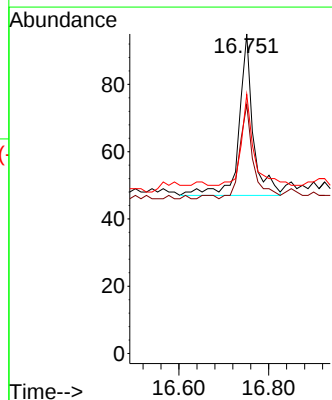
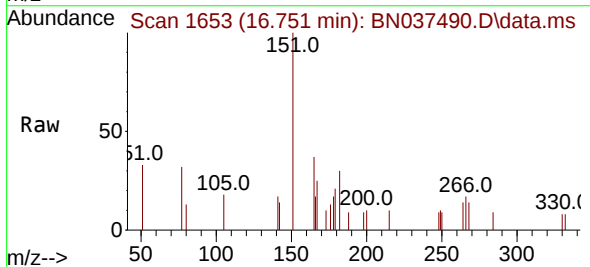
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

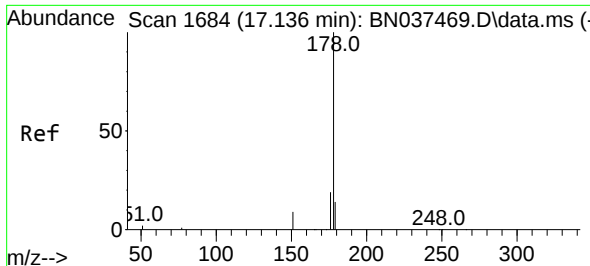
Tgt Ion:188 Resp: 4759
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 9.3 13.9



#24
Pentachlorophenol
Concen: 0.074 ng
RT: 16.751 min Scan# 1653
Delta R.T. 0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:266 Resp: 104
Ion Ratio Lower Upper
266 100
264 56.7 47.5 71.3
268 49.0 50.6 76.0#

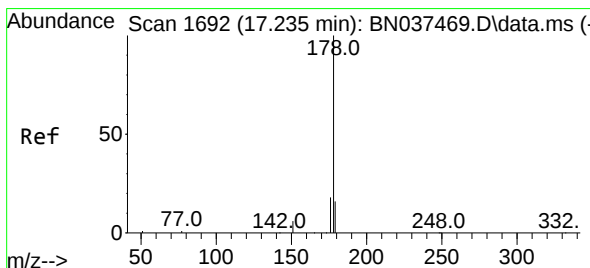
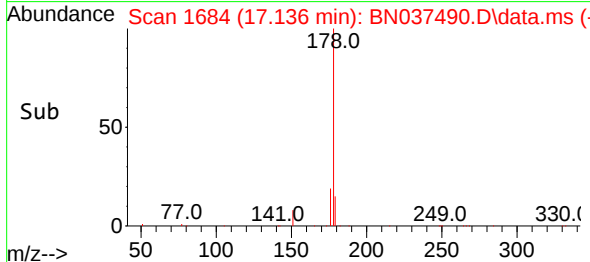
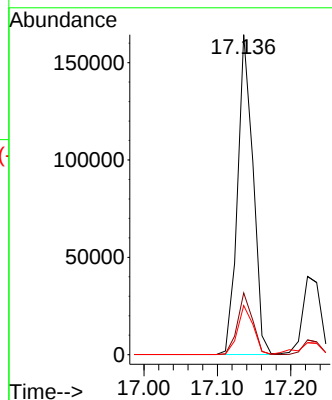
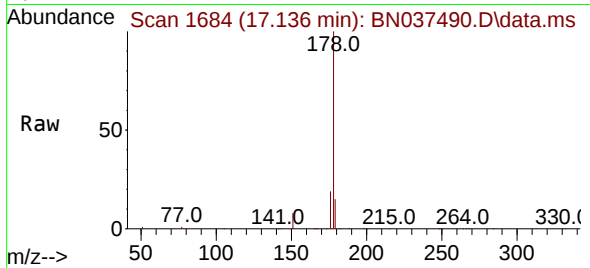




#25
Phenanthrene
Concen: 16.588 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

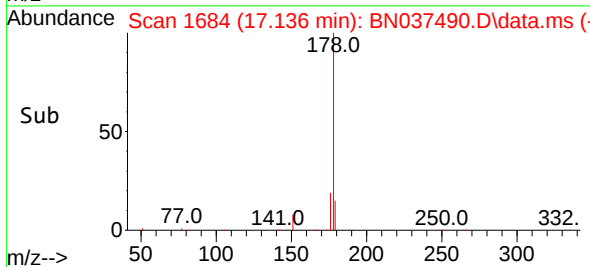
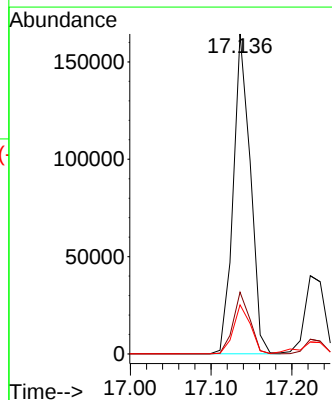
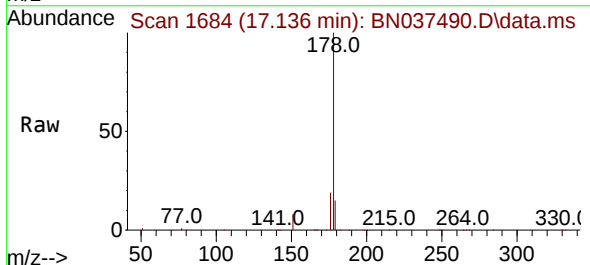
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

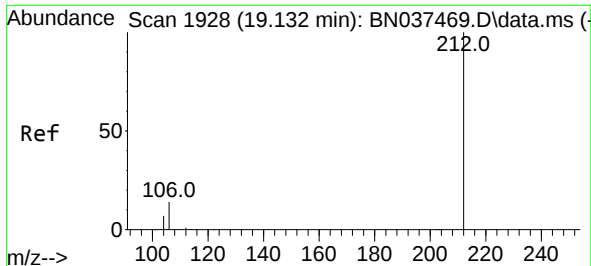
Tgt Ion:178 Resp: 240376
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.4 12.2 18.2



#26
Anthracene
Concen: 18.378 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.100 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:178 Resp: 240342
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.4 12.3 18.5

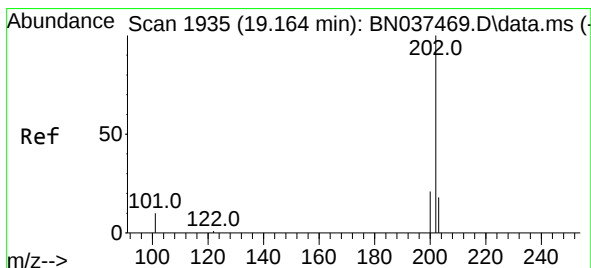
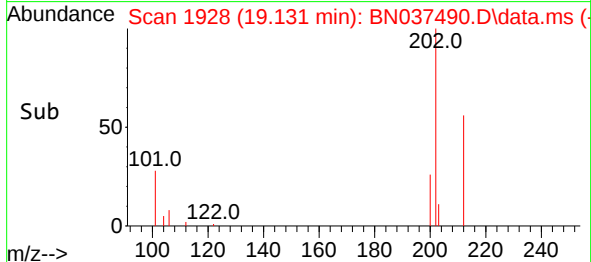
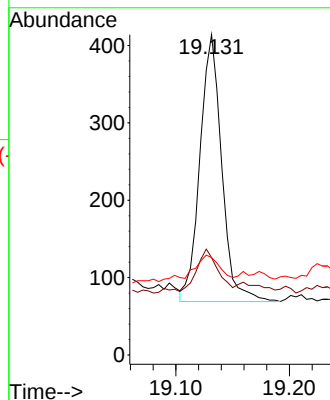
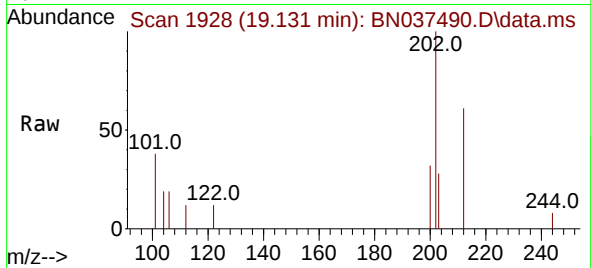




#27
Fluoranthene-d10
Concen: 0.038 ng
RT: 19.131 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

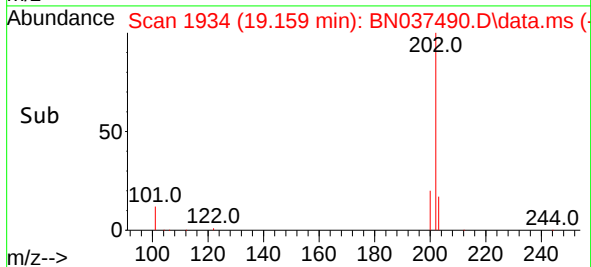
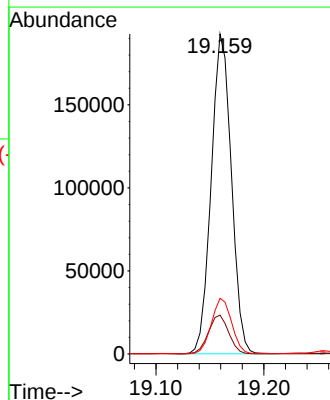
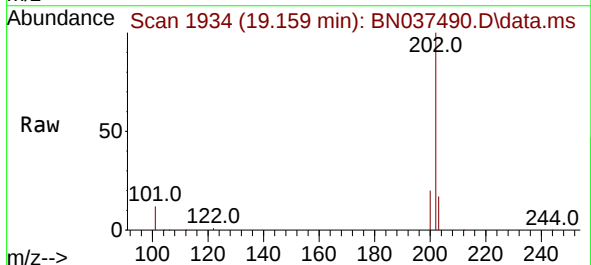
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

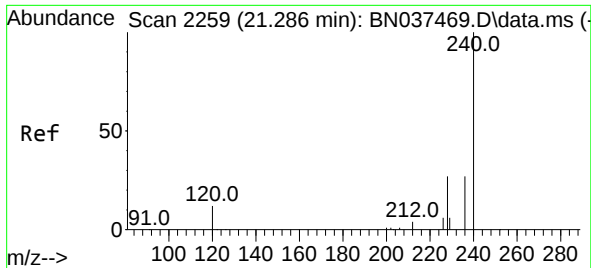
Tgt Ion:212 Resp: 459
Ion Ratio Lower Upper
212 100
106 15.0 11.7 17.5
104 12.2 6.6 10.0#



#28
Fluoranthene
Concen: 15.698 ng
RT: 19.159 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:202 Resp: 249627
Ion Ratio Lower Upper
202 100
101 12.2 9.2 13.8
203 17.3 14.0 21.0

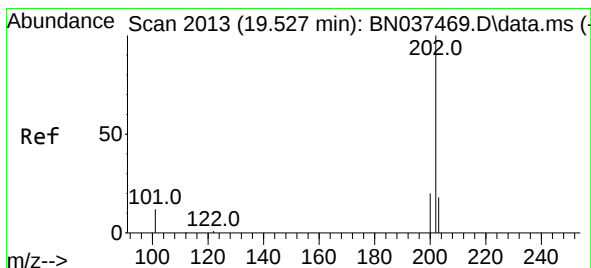
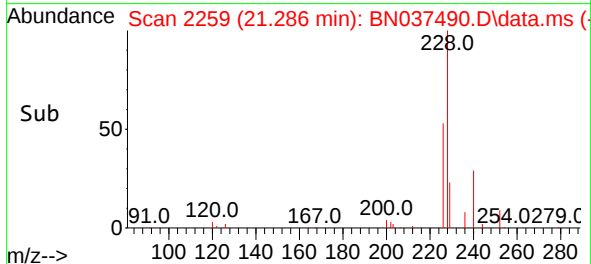
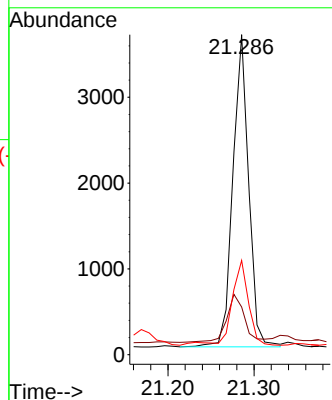
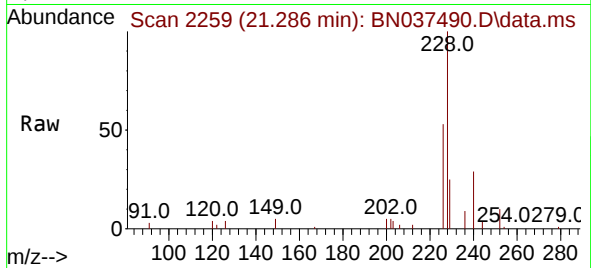




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.286 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

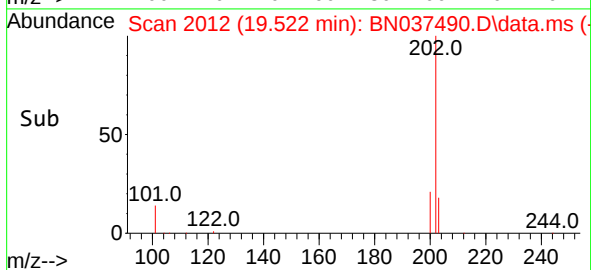
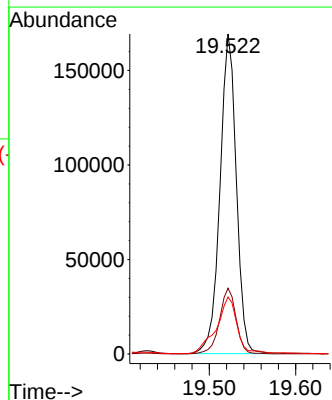
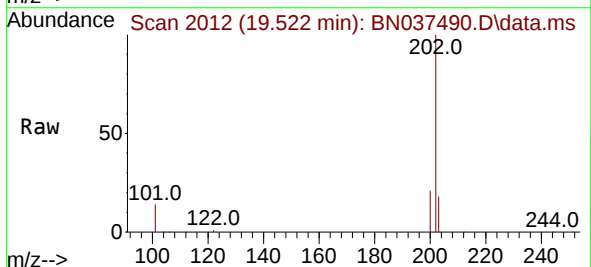
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

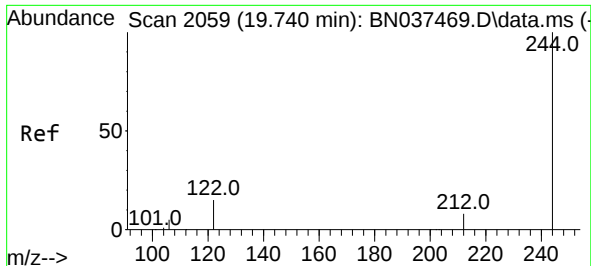
Tgt Ion:240 Resp: 4632
Ion Ratio Lower Upper
240 100
120 14.9 12.4 18.6
236 29.4 22.9 34.3



#30
Pyrene
Concen: 11.985 ng
RT: 19.522 min Scan# 2012
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:202 Resp: 223187
Ion Ratio Lower Upper
202 100
200 20.7 16.4 24.6
203 22.7 14.3 21.5#

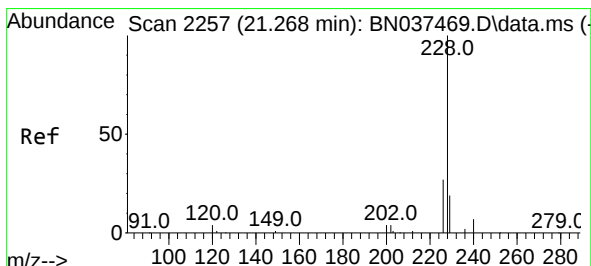
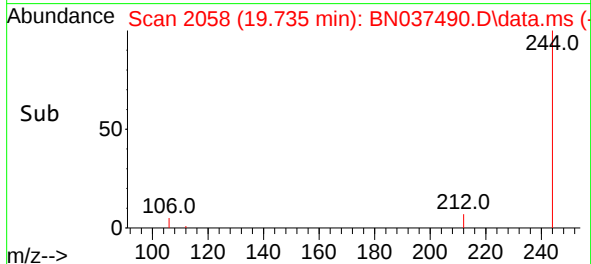
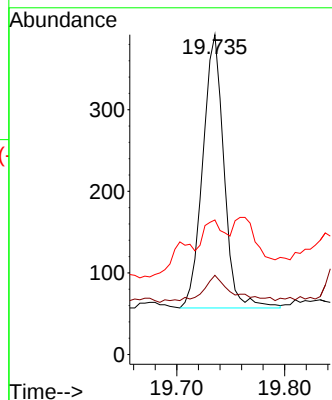
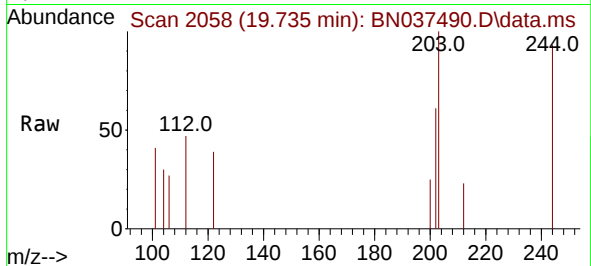




#31
Terphenyl-d14
Concen: 0.047 ng
RT: 19.735 min Scan# 2058
Delta R.T. -0.005 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

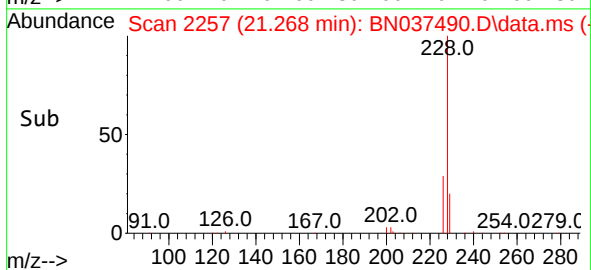
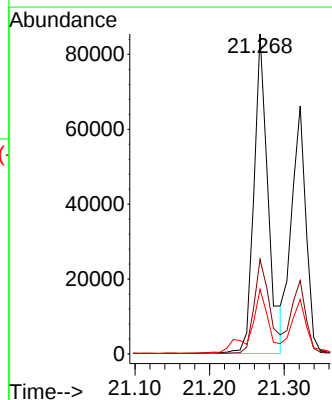
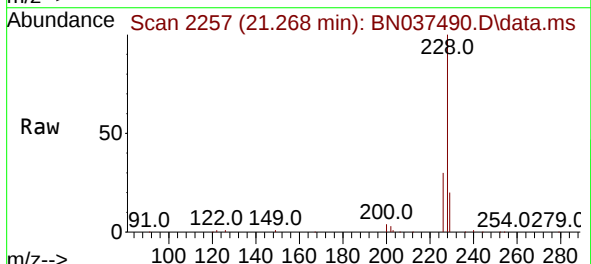
Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2

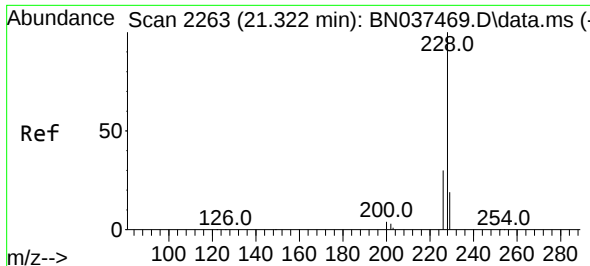
Tgt Ion:244 Resp: 458
Ion Ratio Lower Upper
244 100
212 24.7 8.7 13.1#
122 42.1 14.1 21.1#



#32
Benzo(a)anthracene
Concen: 7.178 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Tgt Ion:228 Resp: 112590
Ion Ratio Lower Upper
228 100
226 29.5 22.7 34.1
229 20.2 16.6 24.8





#33

Chrysene

Concen: 5.211 ng

RT: 21.321 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2

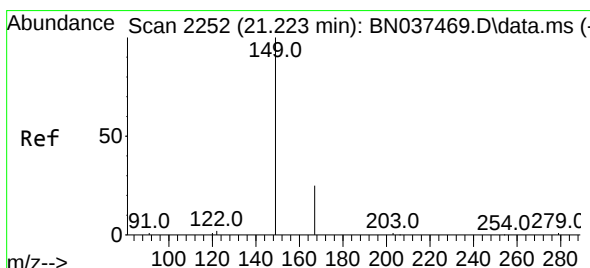
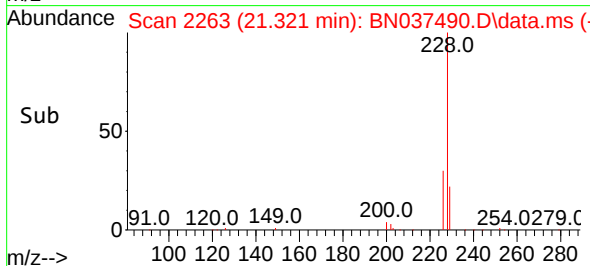
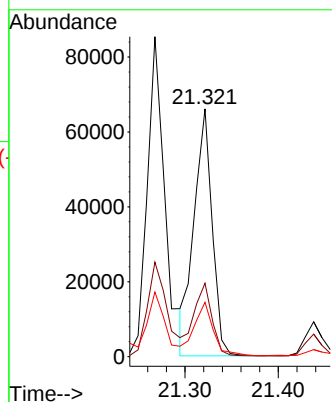
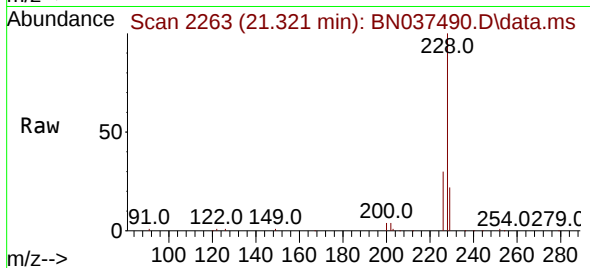
Tgt Ion:228 Resp: 89352

Ion Ratio Lower Upper

228 100

226 29.7 24.6 36.8

229 21.9 16.4 24.6



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.230 ng

RT: 21.223 min Scan# 2252

Delta R.T. -0.000 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

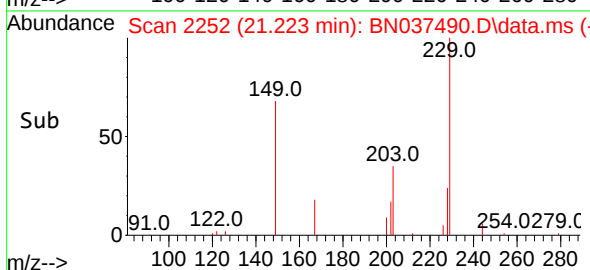
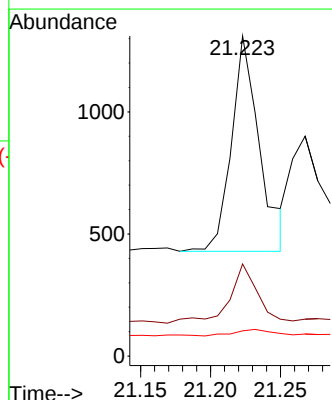
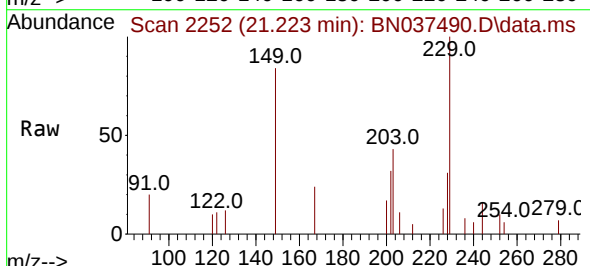
Tgt Ion:149 Resp: 1225

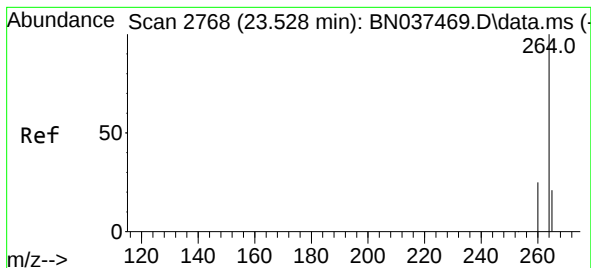
Ion Ratio Lower Upper

149 100

167 27.8 19.4 29.2

279 4.9 2.5 3.7#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.528 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2

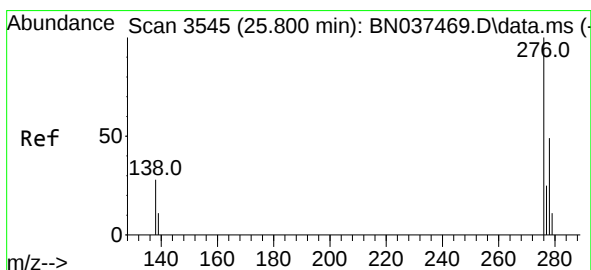
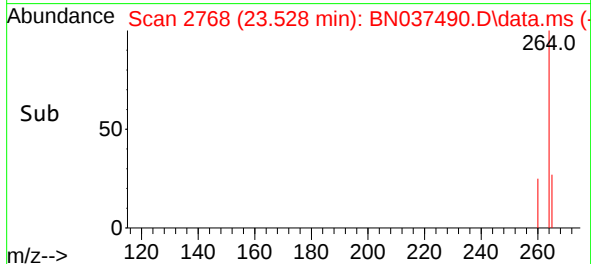
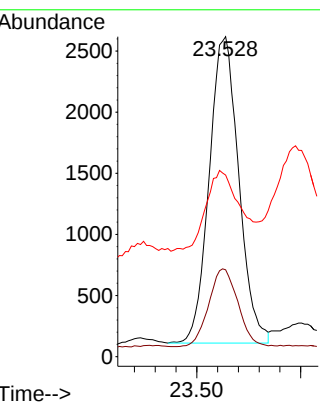
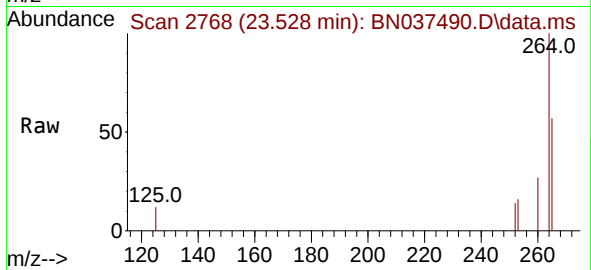
Tgt Ion:264 Resp: 4958

Ion Ratio Lower Upper

264 100

260 27.1 21.7 32.5

265 56.8 41.6 62.4



#36

Indeno(1,2,3-cd)pyrene

Concen: 3.458 ng

RT: 25.797 min Scan# 3544

Delta R.T. -0.003 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

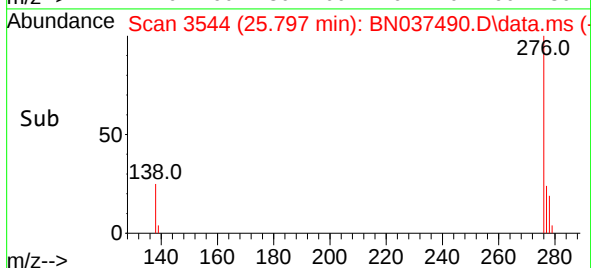
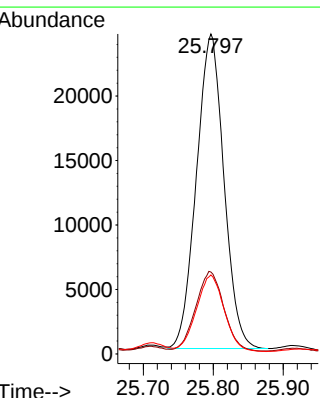
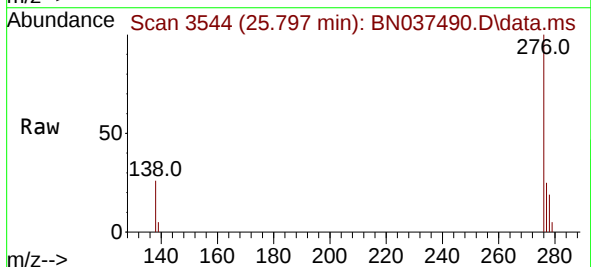
Tgt Ion:276 Resp: 66542

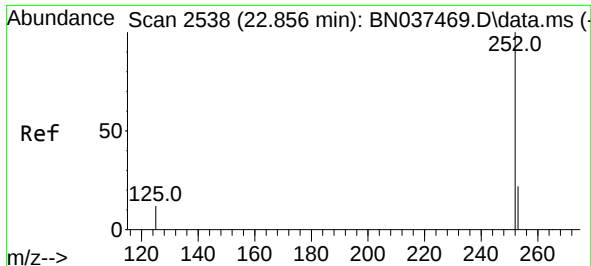
Ion Ratio Lower Upper

276 100

138 25.9 23.4 35.2

277 24.8 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.922 ng

RT: 23.025 min Scan# 2596

Delta R.T. 0.169 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2

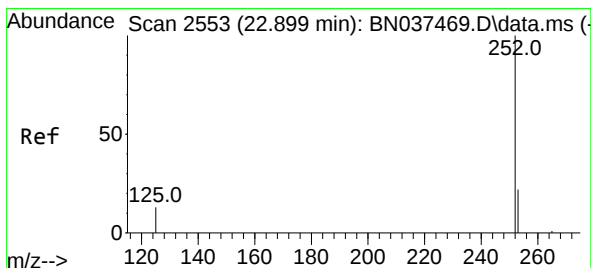
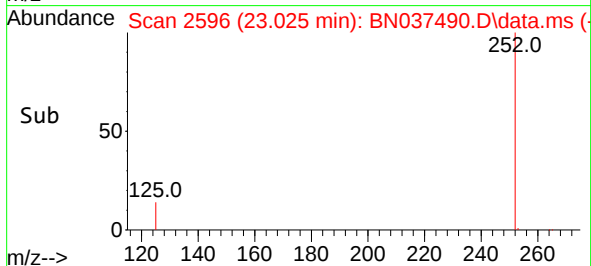
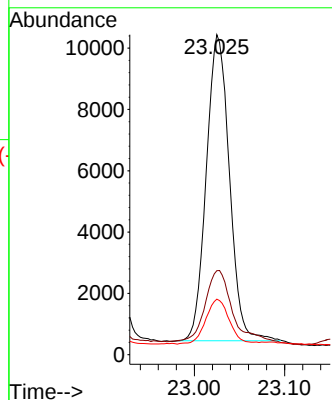
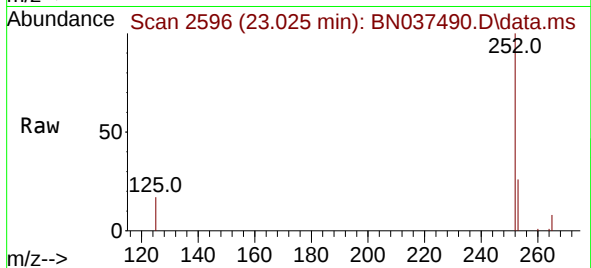
Tgt Ion:252 Resp: 17778

Ion Ratio Lower Upper

252 100

253 26.2 20.1 30.1

125 17.4 13.7 20.5



#38

Benzo(k)fluoranthene

Concen: 0.969 ng

RT: 23.025 min Scan# 2596

Delta R.T. 0.125 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

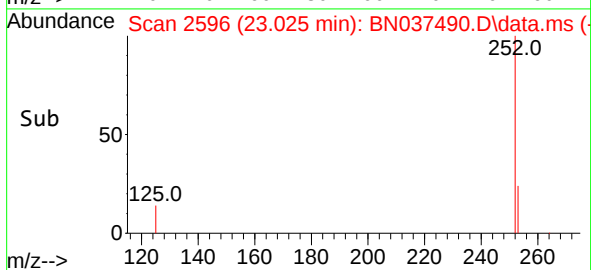
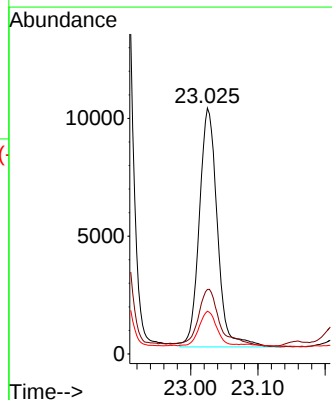
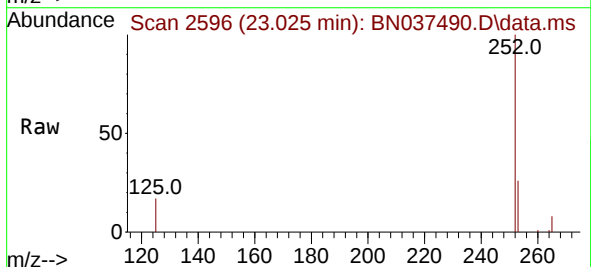
Tgt Ion:252 Resp: 18937

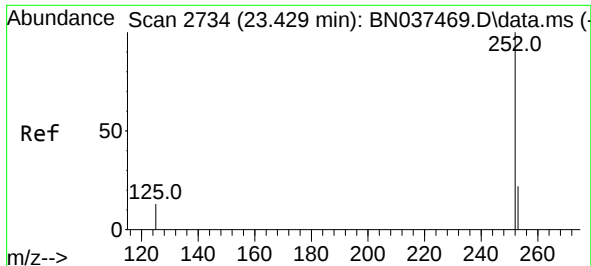
Ion Ratio Lower Upper

252 100

253 26.2 20.4 30.6

125 17.4 14.6 21.8





#39

Benzo(a)pyrene

Concen: 4.316 ng

RT: 23.335 min Scan# 21

Delta R.T. -0.094 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

Instrument :

BNA_N

ClientSampleId :

WC-URBAN-FILL-B2

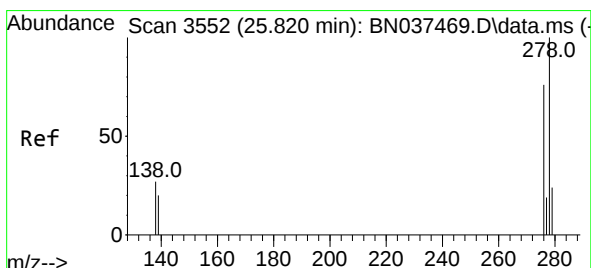
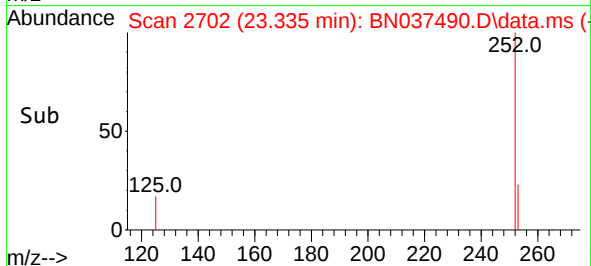
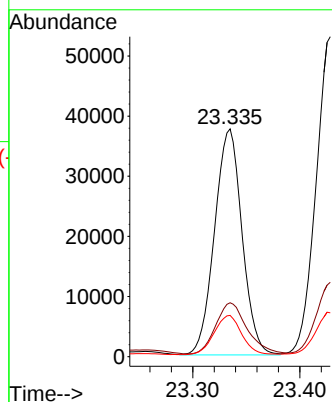
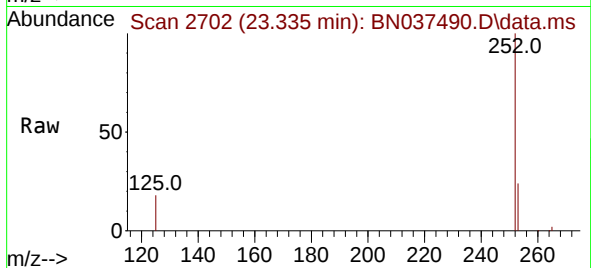
Tgt Ion:252 Resp: 66978

Ion Ratio Lower Upper

252 100

253 23.7 21.8 32.6

125 18.1 16.7 25.1



#40

Dibenzo(a,h)anthracene

Concen: 1.009 ng

RT: 25.808 min Scan# 3548

Delta R.T. -0.012 min

Lab File: BN037490.D

Acq: 14 Jul 2025 14:21

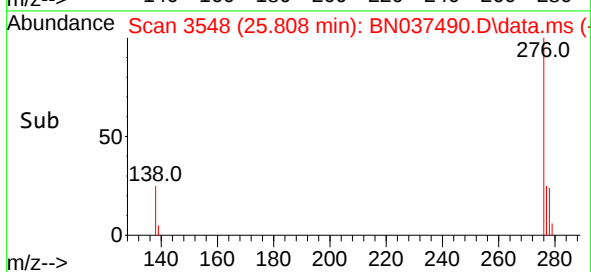
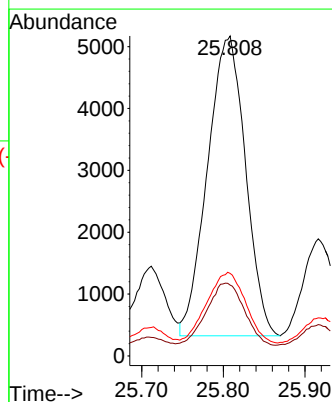
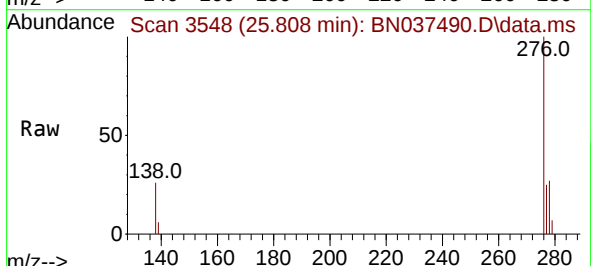
Tgt Ion:278 Resp: 15659

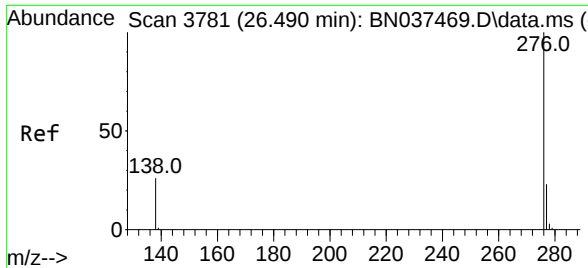
Ion Ratio Lower Upper

278 100

139 22.2 19.9 29.9

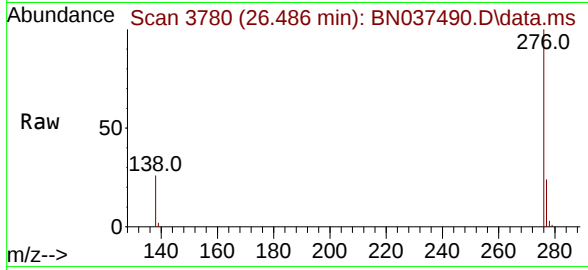
279 25.8 24.8 37.2





#41
Benzo(g,h,i)perylene
Concen: 4.443 ng
RT: 26.486 min Scan# 31
Delta R.T. -0.003 min
Lab File: BN037490.D
Acq: 14 Jul 2025 14:21

Instrument :
BNA_N
ClientSampleId :
WC-URBAN-FILL-B2



Tgt Ion:276 Resp: 75545
Ion Ratio Lower Upper
276 100
277 23.7 21.7 32.5
138 26.4 24.3 36.5

