

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071025\
 Data File : BN037457.D
 Acq On : 10 Jul 2025 14:29
 Operator : RC/JU
 Sample : Q2126-08
 Misc : LOQ-WATER -0.1ng
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2025

Quant Time: Jul 10 14:50:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 10 00:48:38 2025
 Response via : Initial Calibration

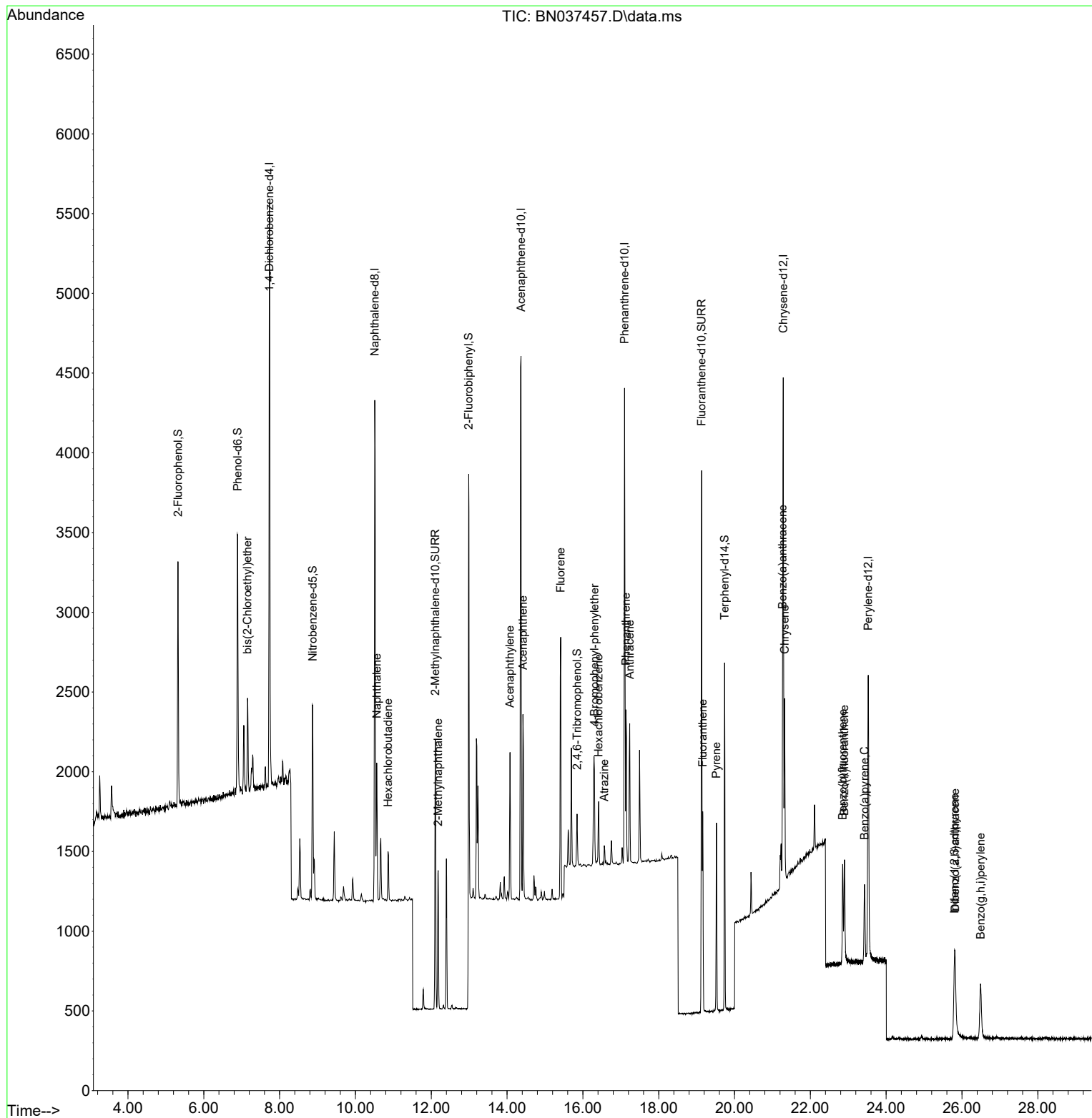
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.732	152	1727	0.400	ng	0.00
7) Naphthalene-d8	10.509	136	4227	0.400	ng	-0.01
13) Acenaphthene-d10	14.366	164	2062	0.400	ng	0.00
19) Phenanthrene-d10	17.099	188	3716	0.400	ng	#-0.01
29) Chrysene-d12	21.286	240	2697	0.400	ng	# 0.00
35) Perylene-d12	23.528	264	2570	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	1226	0.264	ng	0.00
5) Phenol-d6	6.894	99	1520	0.266	ng	0.00
8) Nitrobenzene-d5	8.875	82	1006	0.354	ng	0.00
11) 2-Methylnaphthalene-d10	12.106	152	2253	0.382	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	179	0.212	ng	-0.01
15) 2-Fluorobiphenyl	12.988	172	3905	0.344	ng	0.00
27) Fluoranthene-d10	19.132	212	3598	0.377	ng	0.00
31) Terphenyl-d14	19.740	244	2101	0.370	ng	0.00
Target Compounds						
6) bis(2-Chloroethyl)ether	7.154	93	440	0.096	ng	91
9) Naphthalene	10.562	128	1077	0.095	ng	# 88
10) Hexachlorobutadiene	10.861	225	257	0.111	ng	# 99
12) 2-Methylnaphthalene	12.182	142	602	0.082	ng	98
16) Acenaphthylene	14.078	152	960	0.099	ng	99
17) Acenaphthene	14.420	154	570	0.091	ng	96
18) Fluorene	15.414	166	720	0.092	ng	95
21) 4-Bromophenyl-phenylether	16.305	248	226	0.094	ng	# 82
22) Hexachlorobenzene	16.416	284	305	0.104	ng	92
23) Atrazine	16.565	200	98	0.076	ng	# 68
25) Phenanthrene	17.136	178	1060	0.095	ng	99
26) Anthracene	17.235	178	977	0.093	ng	98
28) Fluoranthene	19.160	202	1092	0.087	ng	99
30) Pyrene	19.522	202	1067	0.096	ng	99
32) Benzo(a)anthracene	21.268	228	855	0.089	ng	# 92
33) Chrysene	21.322	228	951	0.097	ng	# 94
36) Indeno(1,2,3-cd)pyrene	25.800	276	822	0.085	ng	95
37) Benzo(b)fluoranthene	22.853	252	819	0.087	ng	# 72
38) Benzo(k)fluoranthene	22.900	252	828	0.088	ng	# 70
39) Benzo(a)pyrene	23.429	252	713	0.092	ng	# 65
40) Dibenzo(a,h)anthracene	25.820	278	614	0.079	ng	# 68
41) Benzo(g,h,i)perylene	26.490	276	722	0.087	ng	# 77

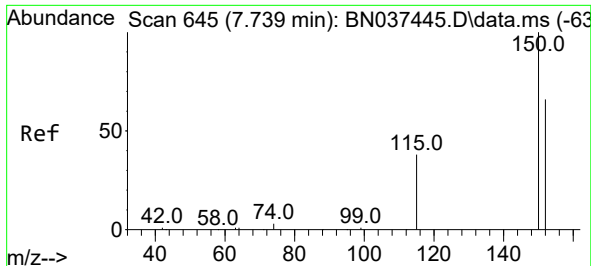
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Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN071025\
Data File : BN037457.D
Acq On : 10 Jul 2025 14:29
Operator : RC/JU
Sample : Q2126-08
Misc : LOQ-WATER -0.1ng
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

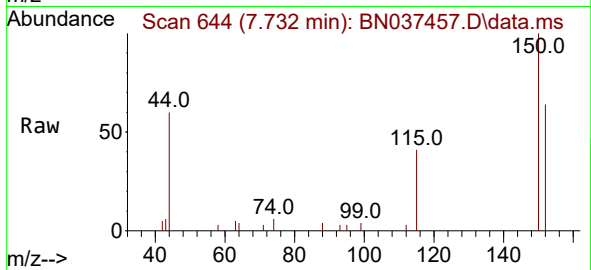
Quant Time: Jul 10 14:50:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN070925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 10 00:48:38 2025
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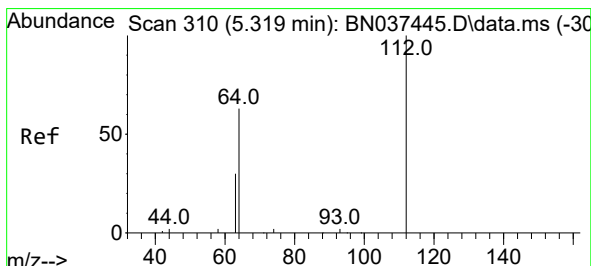
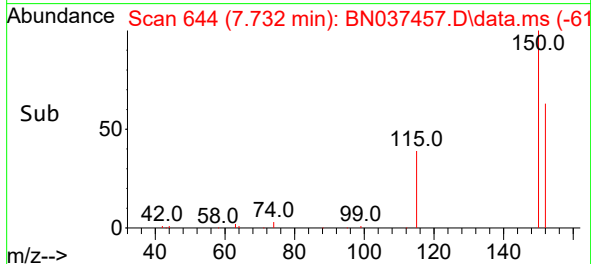
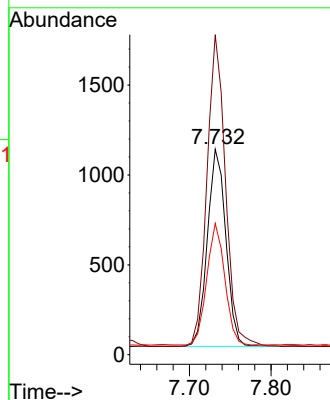


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.732 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

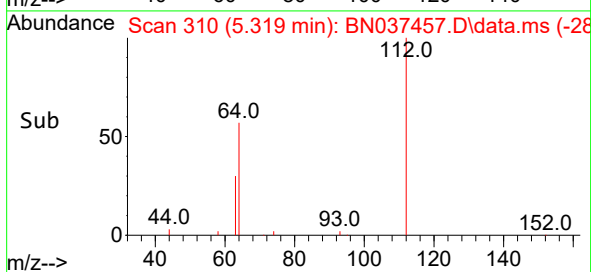
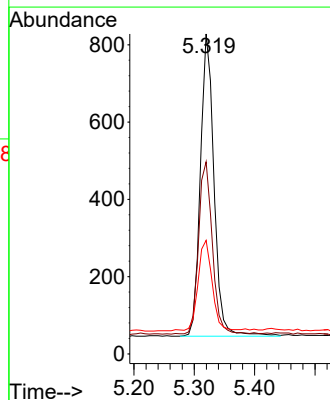
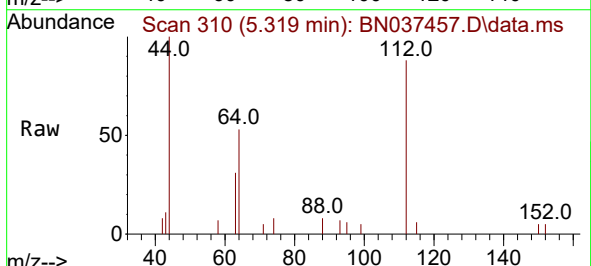


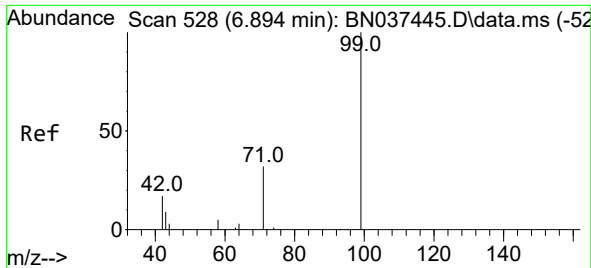
Tgt Ion:152 Resp: 1727
Ion Ratio Lower Upper
152 100
150 155.7 124.6 186.8
115 63.9 50.4 75.6



#4
2-Fluorophenol
Concen: 0.264 ng
RT: 5.319 min Scan# 310
Delta R.T. -0.007 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:112 Resp: 1226
Ion Ratio Lower Upper
112 100
64 57.7 49.4 74.2
63 31.5 27.2 40.8

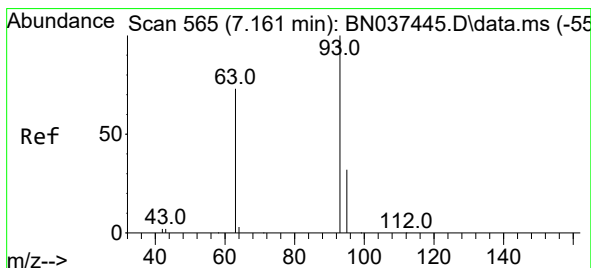
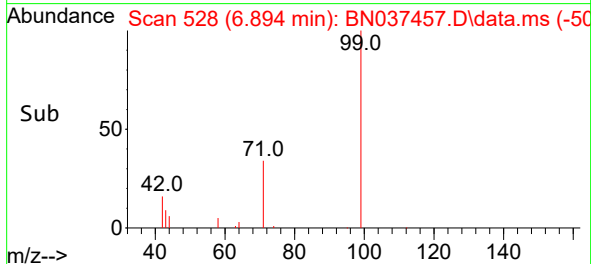
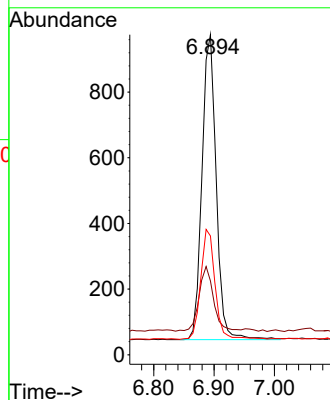
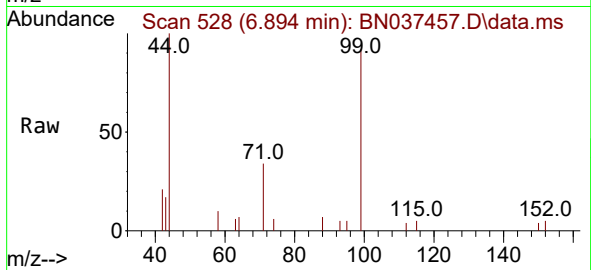




#5
Phenol-d6
Concen: 0.266 ng
RT: 6.894 min Scan# 51
Delta R.T. -0.000 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

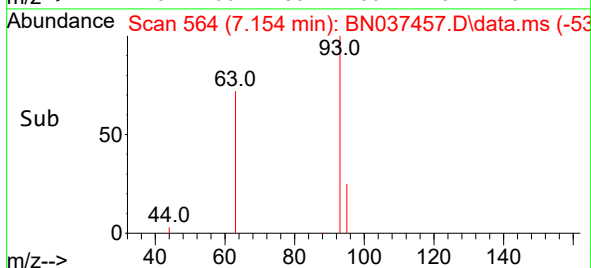
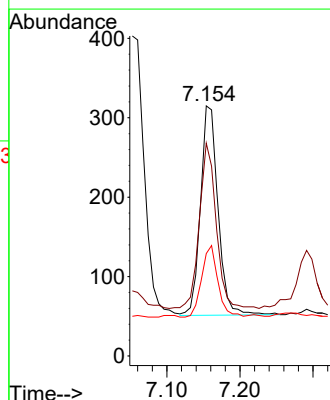
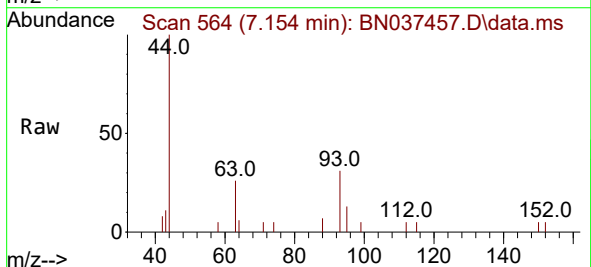
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

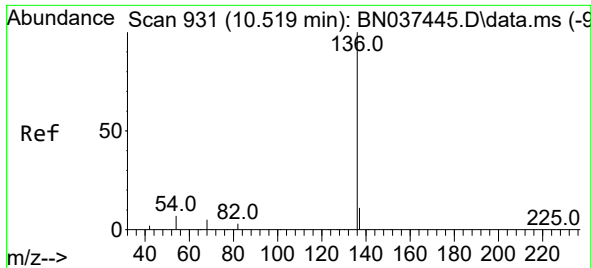
Tgt Ion: 99 Resp: 1520
Ion Ratio Lower Upper
99 100
42 21.7 22.5 33.7#
71 36.4 27.8 41.6



#6
bis(2-Chloroethyl)ether
Concen: 0.096 ng
RT: 7.154 min Scan# 564
Delta R.T. -0.007 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion: 93 Resp: 440
Ion Ratio Lower Upper
93 100
63 75.5 69.0 103.6
95 31.6 26.3 39.5

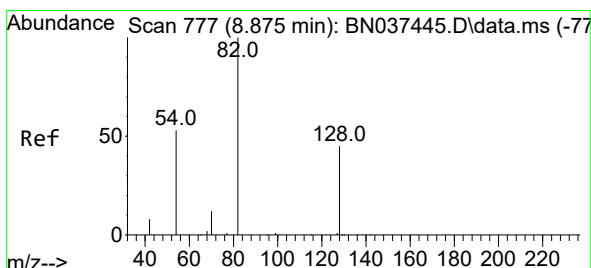
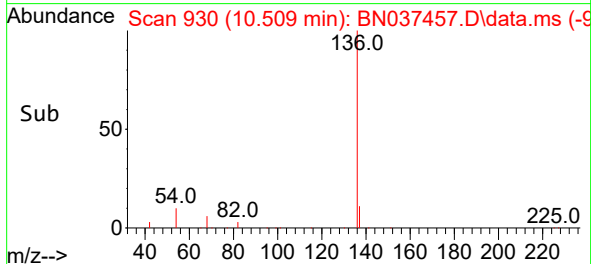
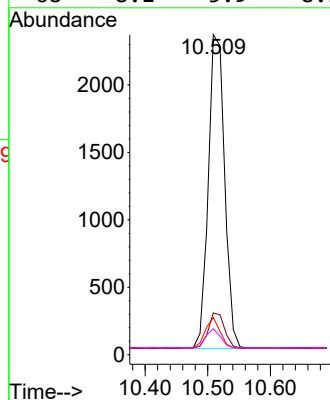
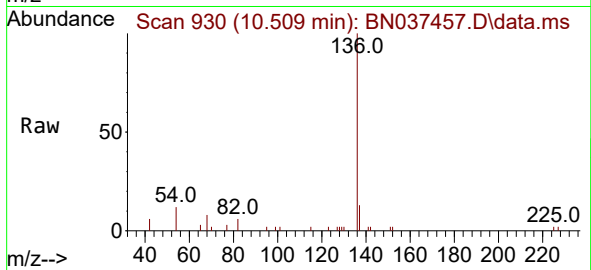




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 911
Delta R.T. -0.010 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

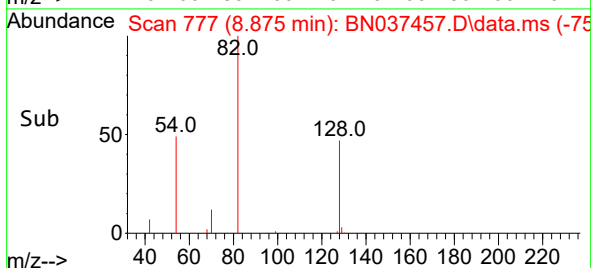
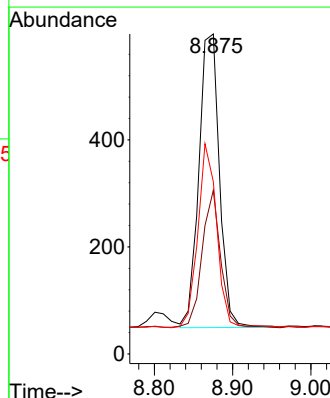
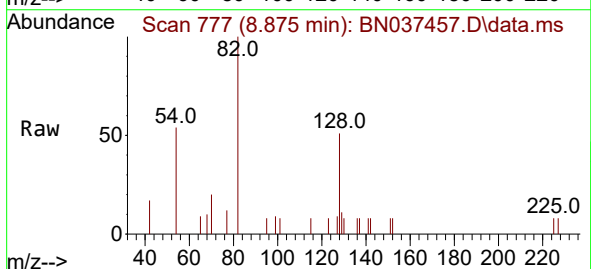
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

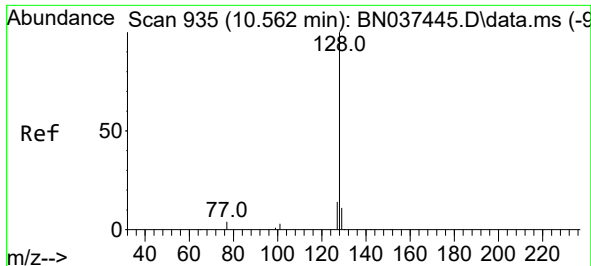
Tgt Ion:136	Resp:	4227	
Ion	Ratio	Lower	Upper
136	100		
137	13.1	9.5	14.3
54	11.6	8.8	13.2
68	8.1	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.354 ng
RT: 8.875 min Scan# 777
Delta R.T. 0.000 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion: 82	Resp:	1006	
Ion Ratio	Lower	Upper	
82 100			
128 51.2	31.4	47.0#	
54 53.8	51.3	76.9	

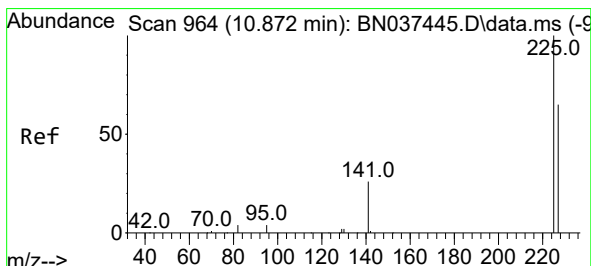
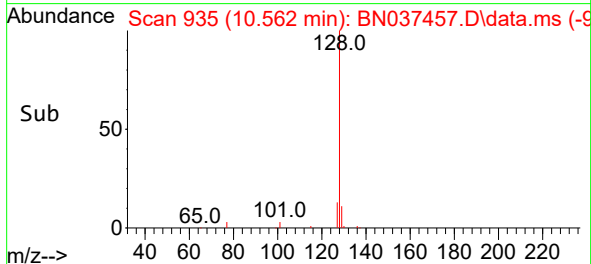
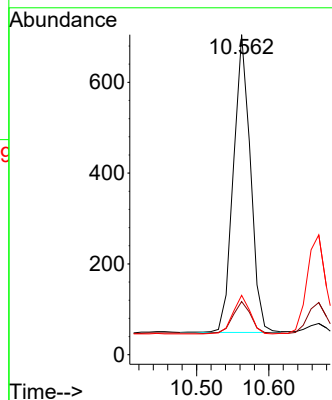
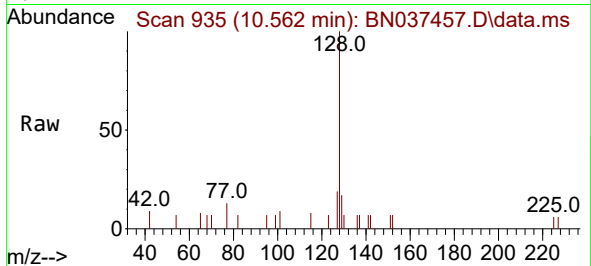




#9
Naphthalene
Concen: 0.095 ng
RT: 10.562 min Scan# 91
Delta R.T. -0.010 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

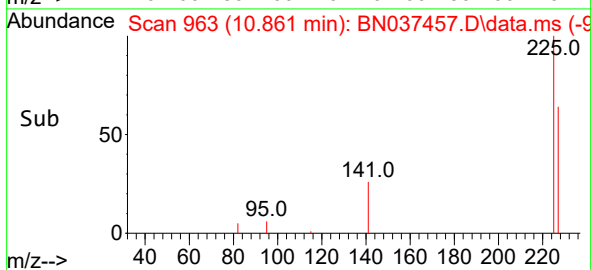
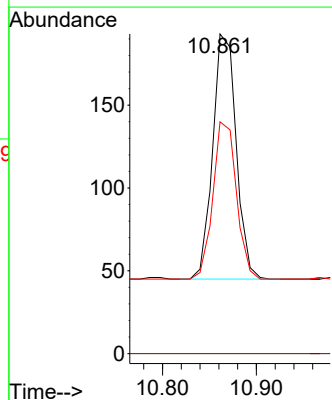
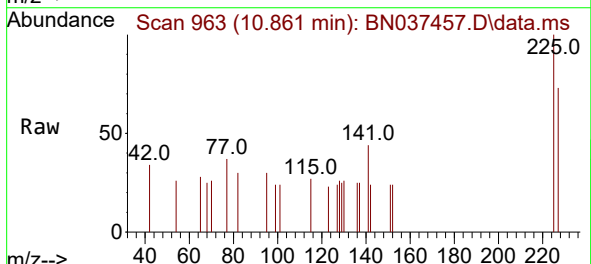
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

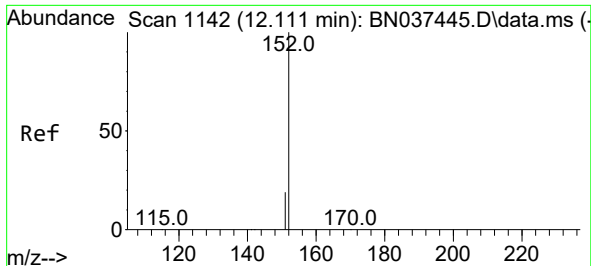
Tgt Ion:128 Resp: 1077
Ion Ratio Lower Upper
128 100
129 16.6 9.3 13.9#
127 18.6 11.1 16.7#



#10
Hexachlorobutadiene
Concen: 0.111 ng
RT: 10.861 min Scan# 963
Delta R.T. -0.010 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:225 Resp: 257
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.2 51.0 76.6

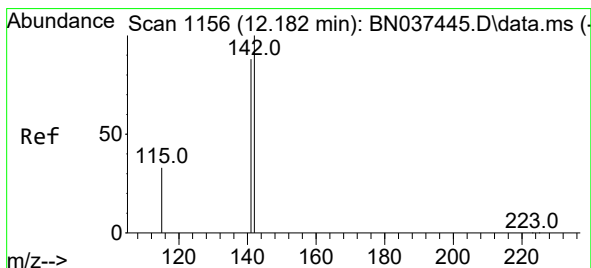
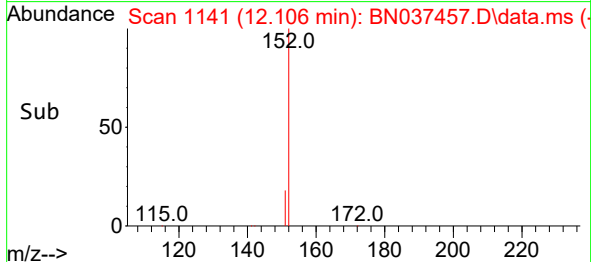
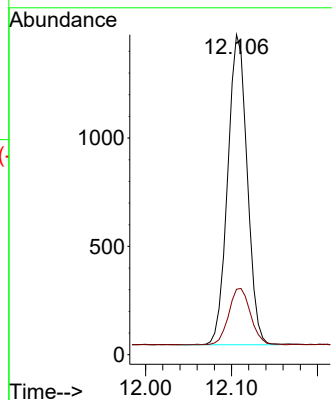
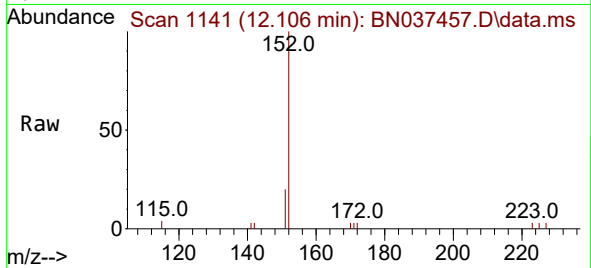




#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.106 min Scan# 1141
Delta R.T. -0.010 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

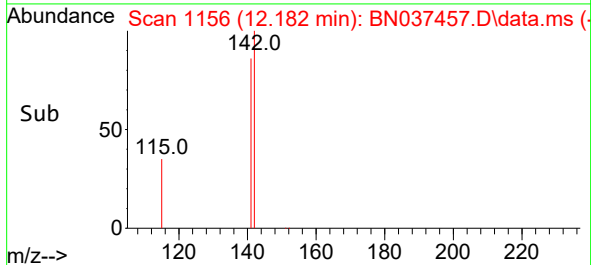
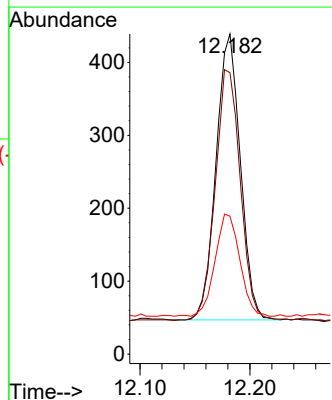
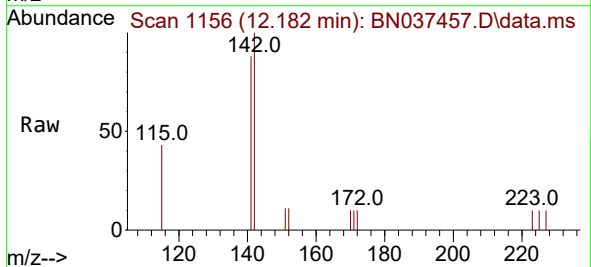
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BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

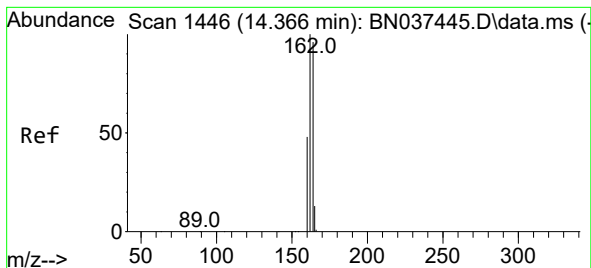
Tgt Ion:152 Resp: 2253
Ion Ratio Lower Upper
152 100
151 20.3 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.082 ng
RT: 12.182 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:142 Resp: 602
Ion Ratio Lower Upper
142 100
141 87.9 70.5 105.7
115 43.1 31.3 46.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.366 min Scan# 1446

Delta R.T. 0.000 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

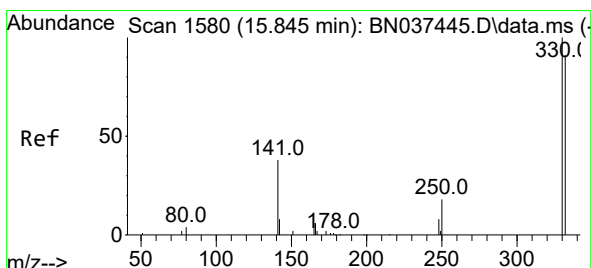
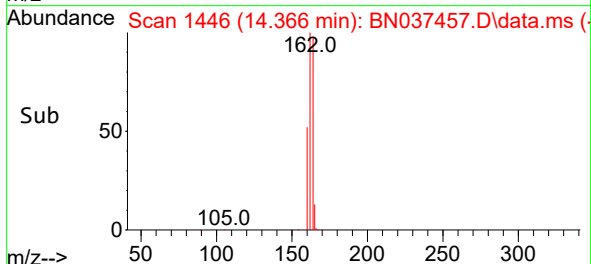
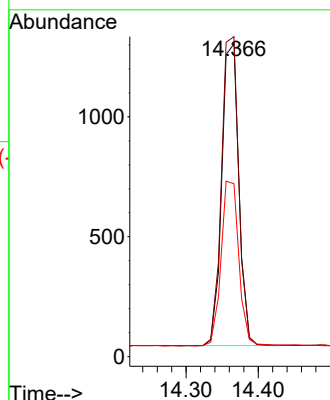
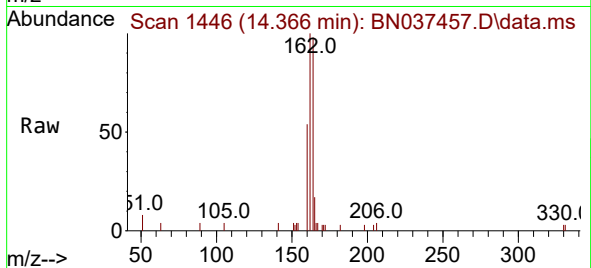
Tgt Ion:164 Resp: 2062

Ion Ratio Lower Upper

164 100

162 102.3 82.7 124.1

160 55.3 55.0 82.4



#14

2,4,6-Tribromophenol

Concen: 0.212 ng

RT: 15.845 min Scan# 1580

Delta R.T. -0.012 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

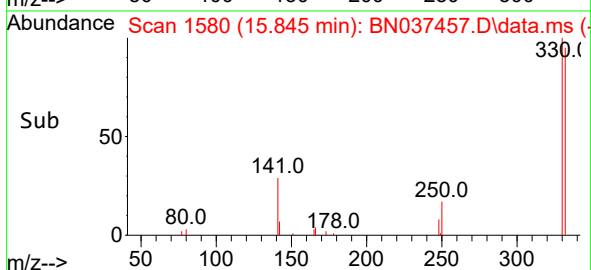
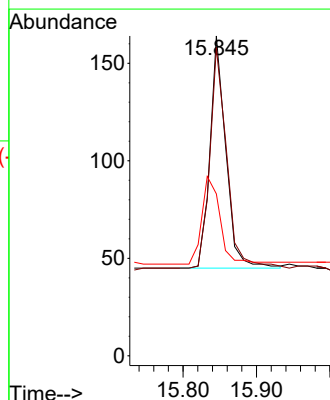
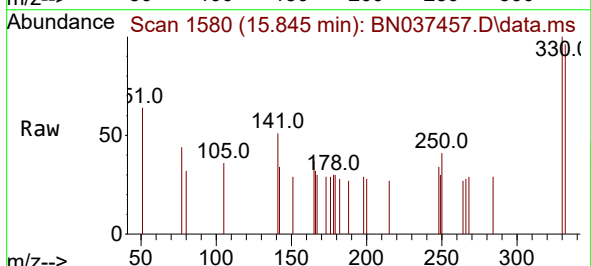
Tgt Ion:330 Resp: 179

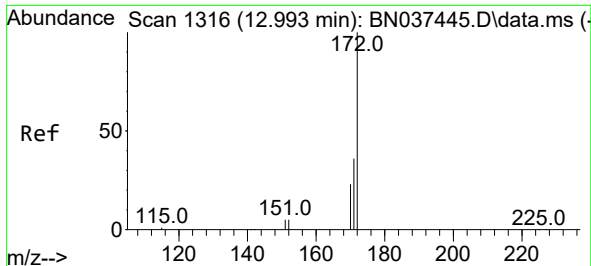
Ion Ratio Lower Upper

330 100

332 100.0 75.3 112.9

141 43.0 38.7 58.1

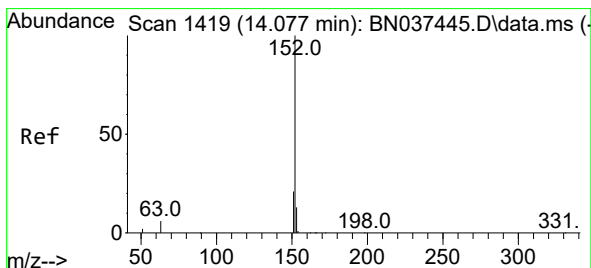
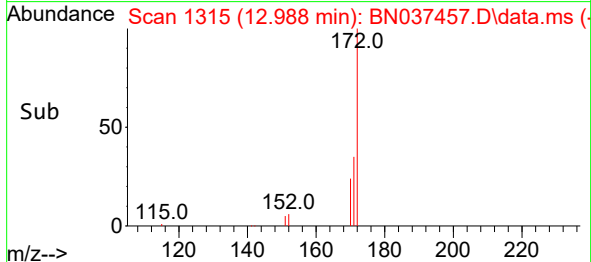
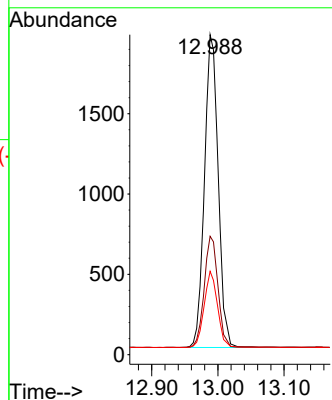
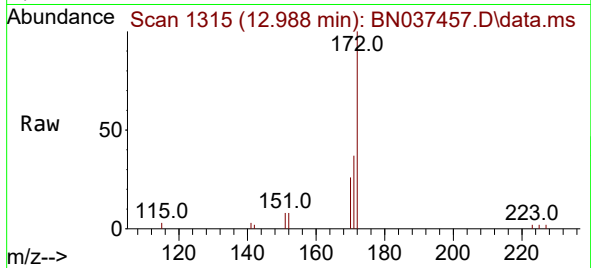




#15
2-Fluorobiphenyl
Concen: 0.344 ng
RT: 12.988 min Scan# 1315
Delta R.T. -0.010 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

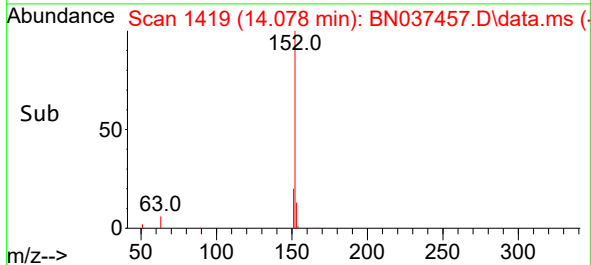
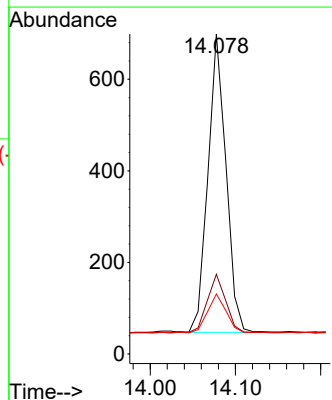
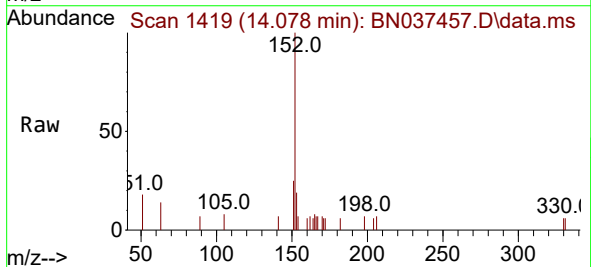
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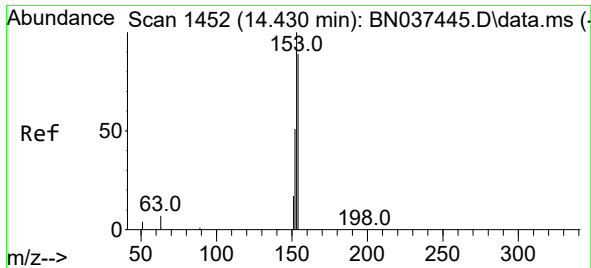
Tgt Ion:172 Resp: 3905
Ion Ratio Lower Upper
172 100
171 37.0 28.4 42.6
170 26.1 18.7 28.1



#16
Acenaphthylene
Concen: 0.099 ng
RT: 14.078 min Scan# 1419
Delta R.T. -0.011 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:152 Resp: 960
Ion Ratio Lower Upper
152 100
151 20.4 16.1 24.1
153 13.5 10.6 16.0

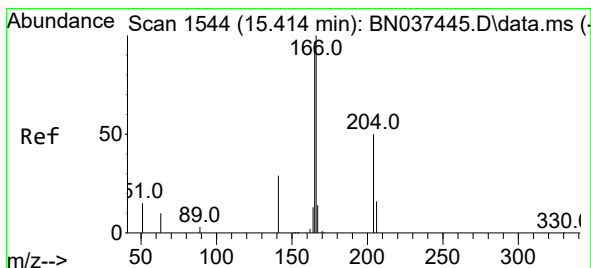
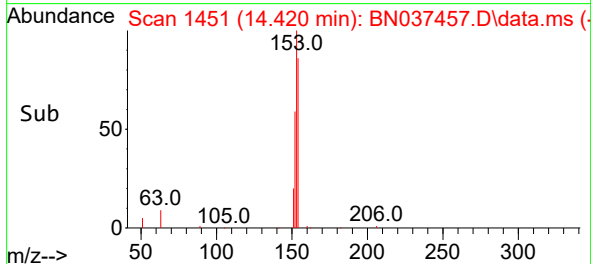
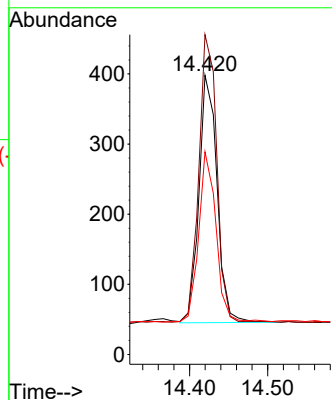
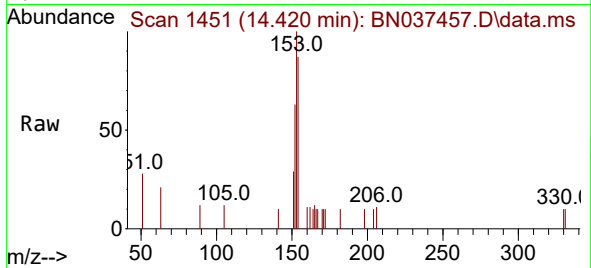




#17
Acenaphthene
Concen: 0.091 ng
RT: 14.420 min Scan# 1451
Delta R.T. -0.010 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

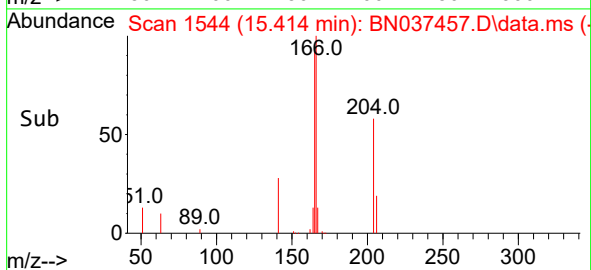
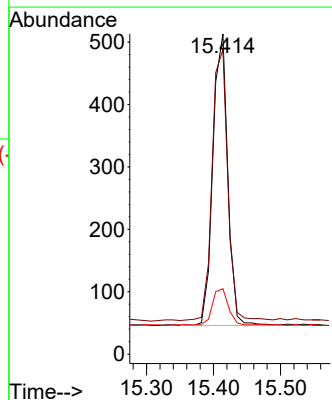
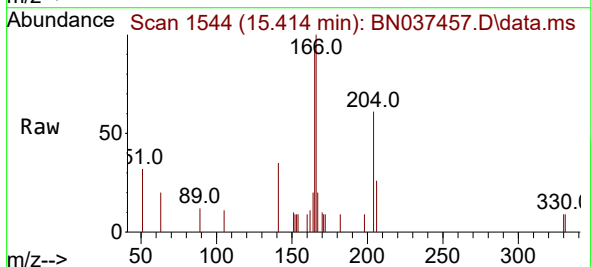
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

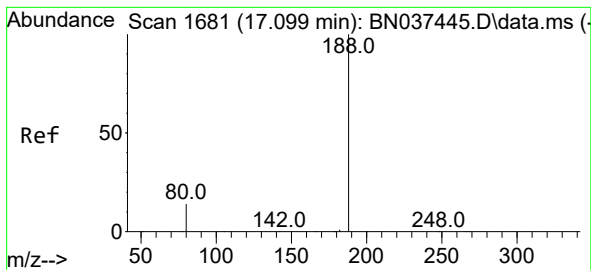
Tgt Ion:154 Resp: 570
Ion Ratio Lower Upper
154 100
153 114.4 90.7 136.1
152 66.3 58.9 88.3



#18
Fluorene
Concen: 0.092 ng
RT: 15.414 min Scan# 1544
Delta R.T. 0.000 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:166 Resp: 720
Ion Ratio Lower Upper
166 100
165 96.7 81.8 122.8
167 14.0 11.3 16.9





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.099 min Scan# 1

Delta R.T. -0.012 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

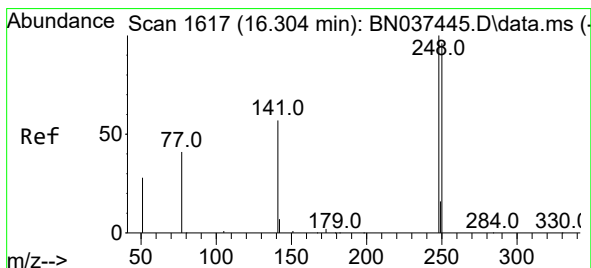
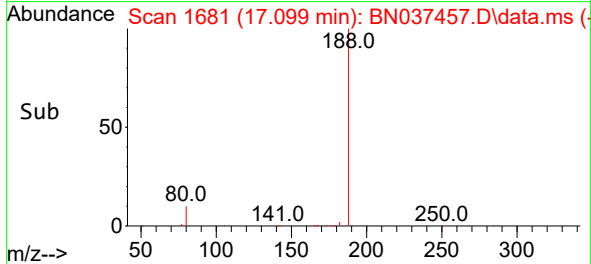
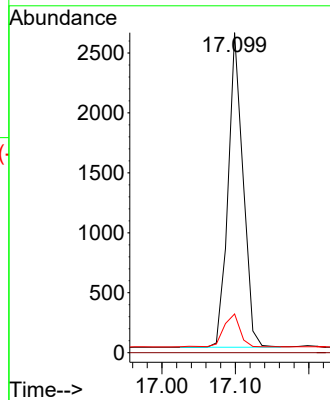
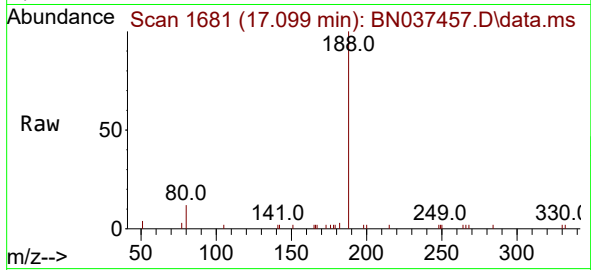
Tgt Ion:188 Resp: 3716

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.1 7.8 11.6#



#21

4-Bromophenyl-phenylether

Concen: 0.094 ng

RT: 16.305 min Scan# 1617

Delta R.T. -0.012 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

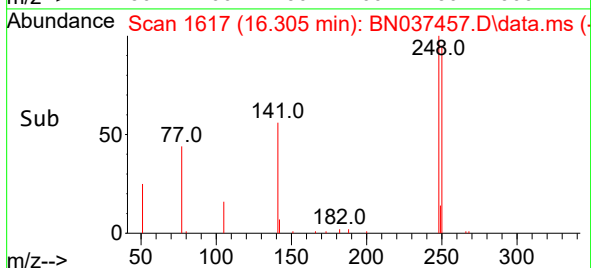
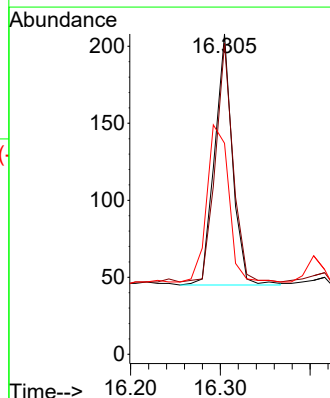
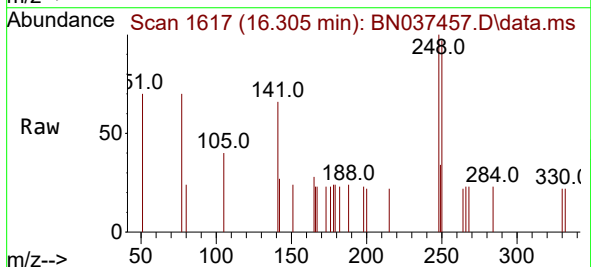
Tgt Ion:248 Resp: 226

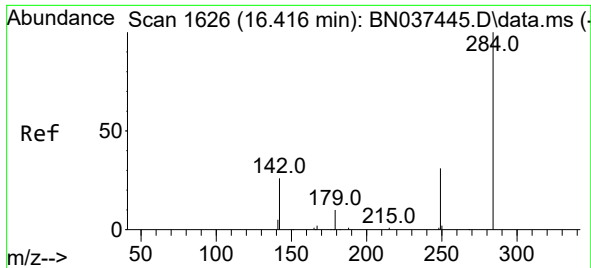
Ion Ratio Lower Upper

248 100

250 97.1 83.9 125.9

141 65.9 29.4 44.0#

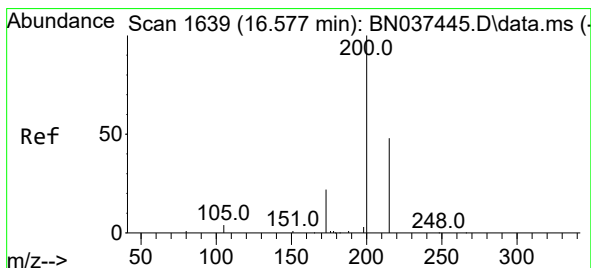
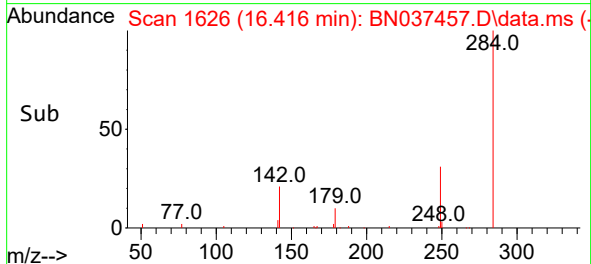
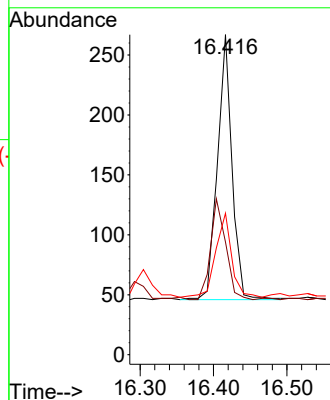
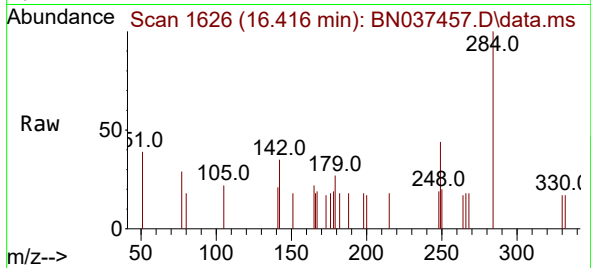




#22
Hexachlorobenzene
Concen: 0.104 ng
RT: 16.416 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

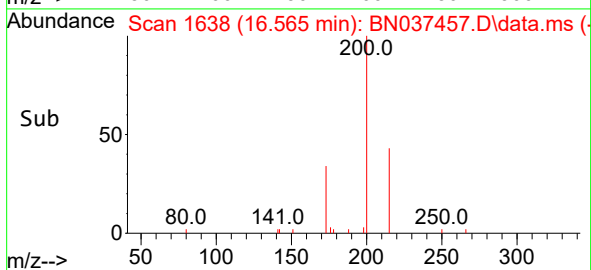
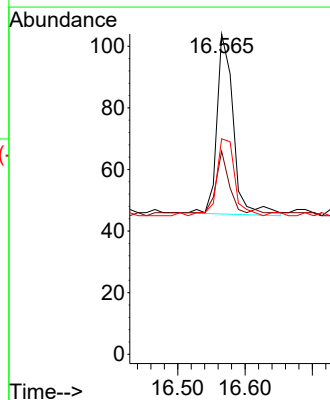
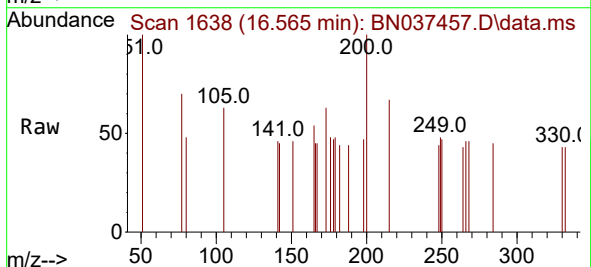
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

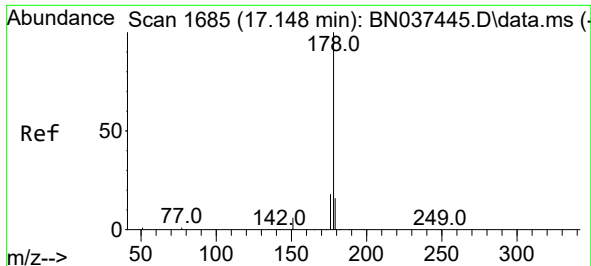
Tgt Ion:284 Resp: 305
Ion Ratio Lower Upper
284 100
142 39.7 38.9 58.3
249 34.4 27.3 40.9



#23
Atrazine
Concen: 0.076 ng
RT: 16.565 min Scan# 1638
Delta R.T. -0.012 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:200 Resp: 98
Ion Ratio Lower Upper
200 100
173 63.5 28.4 42.6#
215 67.3 42.0 63.0#

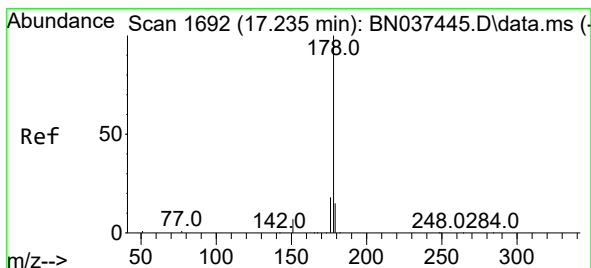
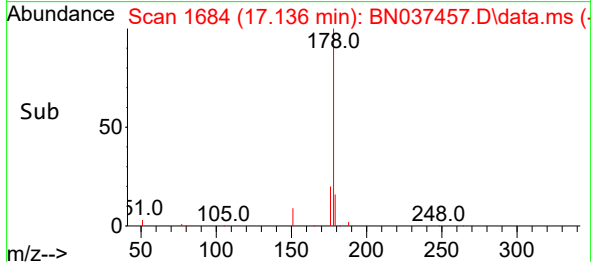
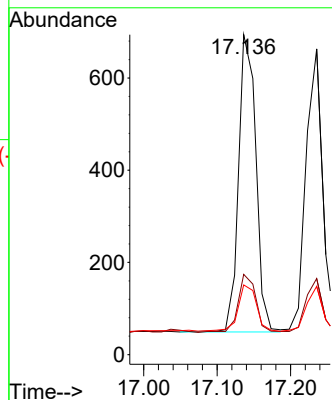
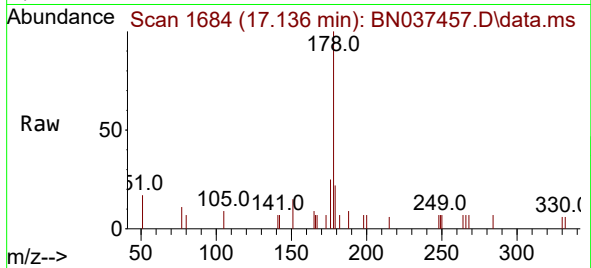




#25
Phenanthrene
Concen: 0.095 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

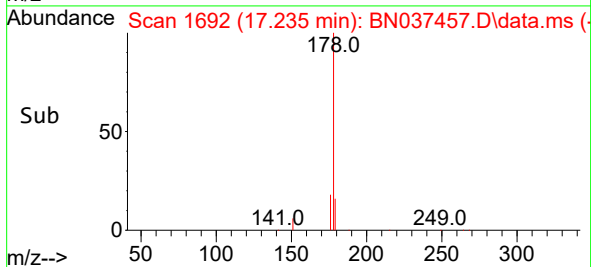
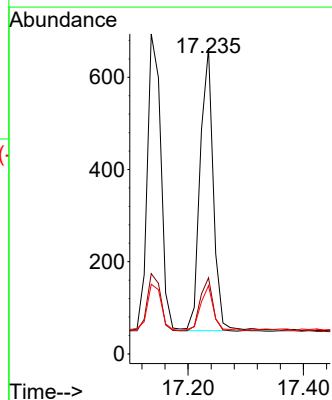
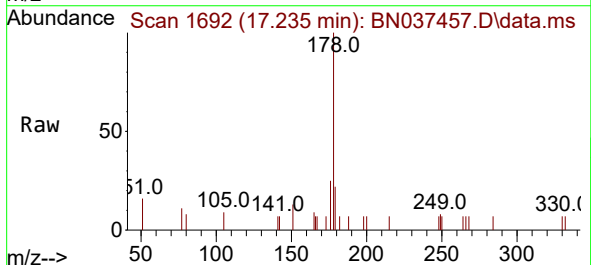
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

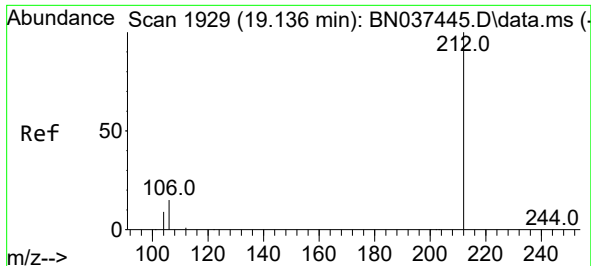
Tgt Ion:178 Resp: 1060
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 16.1 12.2 18.4



#26
Anthracene
Concen: 0.093 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:178 Resp: 977
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 16.0 12.1 18.1

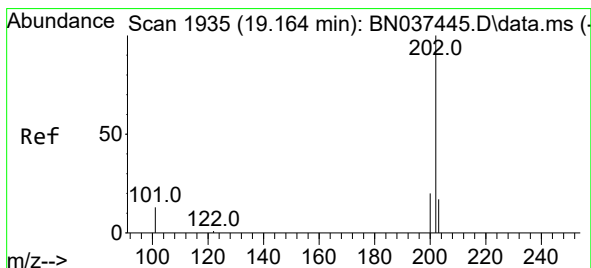
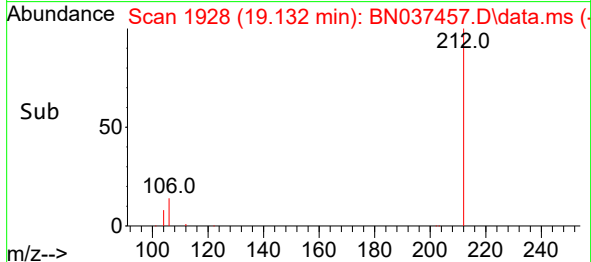
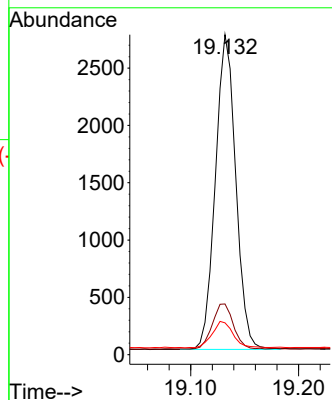
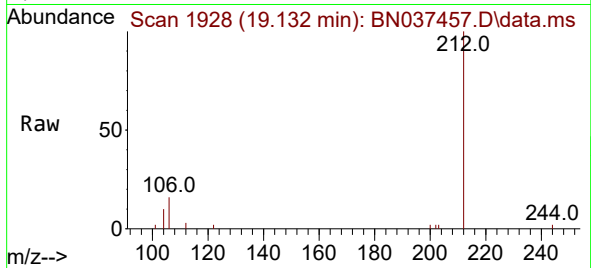




#27
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.132 min Scan# 1928
Delta R.T. -0.009 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

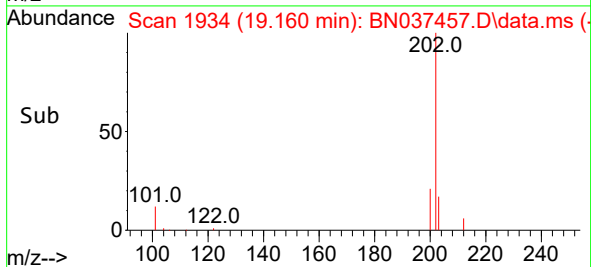
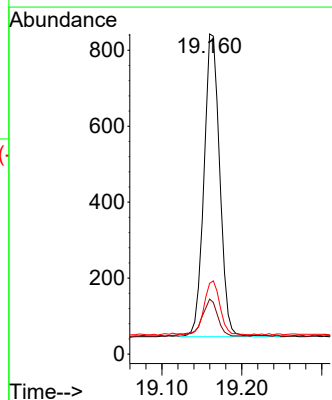
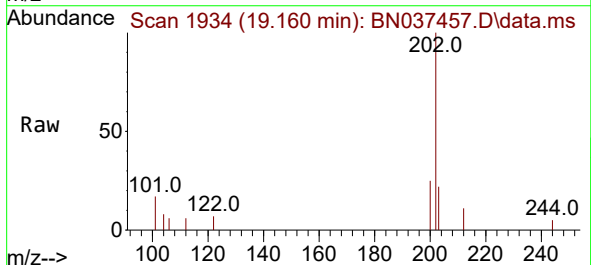
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

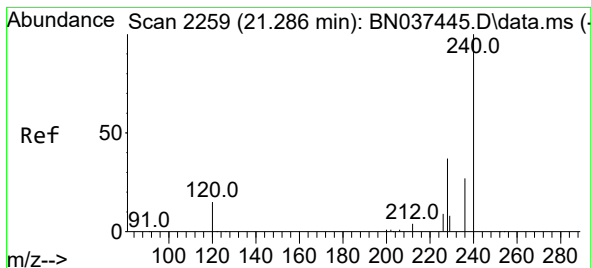
Tgt Ion:212 Resp: 3598
Ion Ratio Lower Upper
212 100
106 14.9 13.4 20.0
104 8.6 7.8 11.6



#28
Fluoranthene
Concen: 0.087 ng
RT: 19.160 min Scan# 1934
Delta R.T. -0.009 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:202 Resp: 1092
Ion Ratio Lower Upper
202 100
101 12.5 10.2 15.2
203 17.9 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.286 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

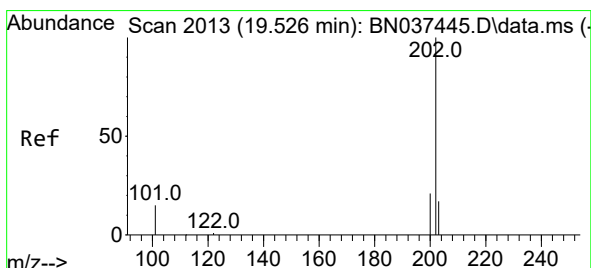
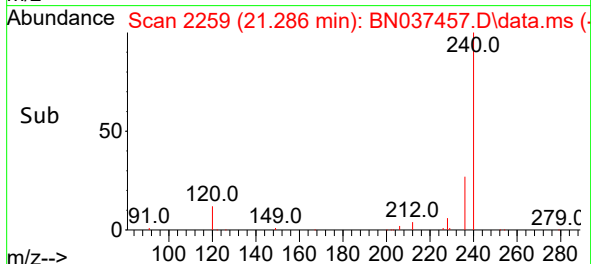
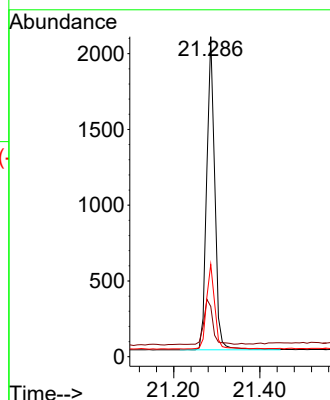
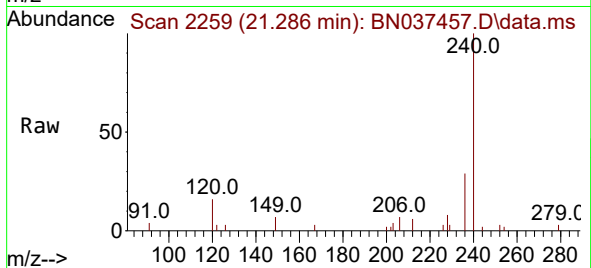
Tgt Ion:240 Resp: 2697

Ion Ratio Lower Upper

240 100

120 15.7 16.4 24.6#

236 28.9 23.3 34.9



#30

Pyrene

Concen: 0.096 ng

RT: 19.522 min Scan# 2012

Delta R.T. -0.009 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

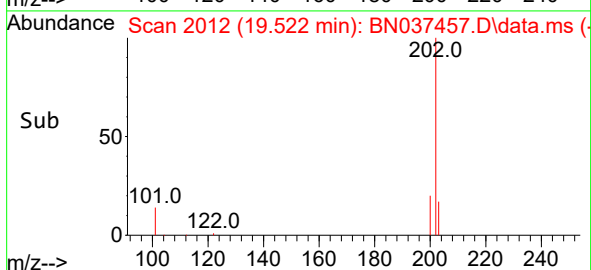
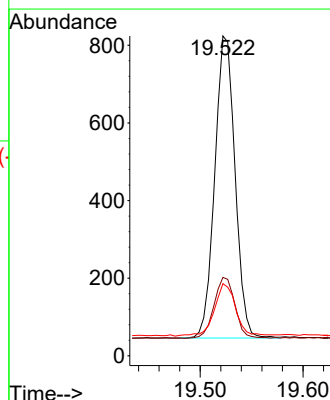
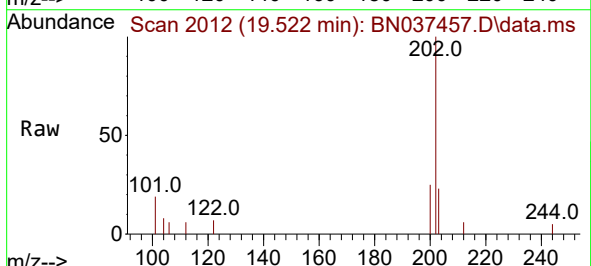
Tgt Ion:202 Resp: 1067

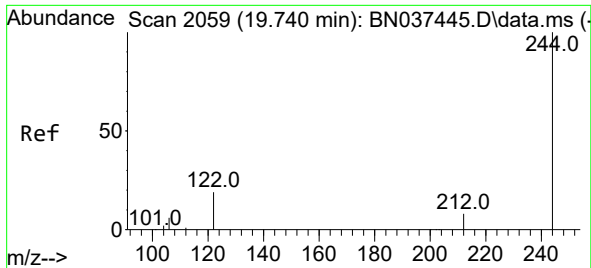
Ion Ratio Lower Upper

202 100

200 20.8 16.9 25.3

203 18.2 14.2 21.4

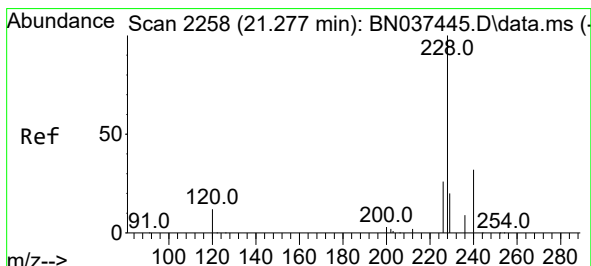
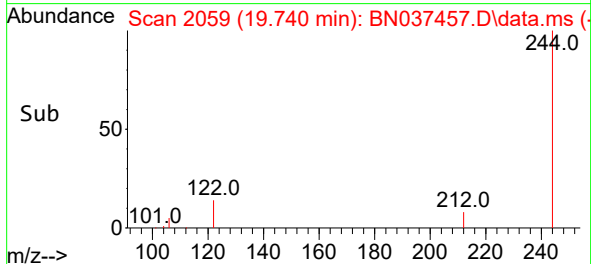
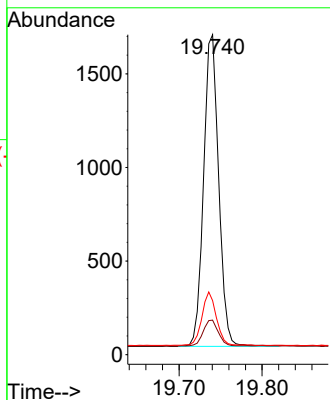
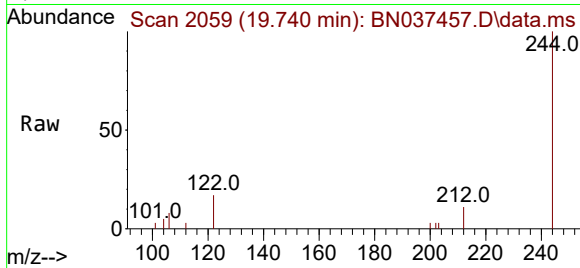




#31
 Terphenyl-d14
 Concen: 0.370 ng
 RT: 19.740 min Scan# 2059
 Delta R.T. -0.009 min
 Lab File: BN037457.D
 Acq: 10 Jul 2025 14:29

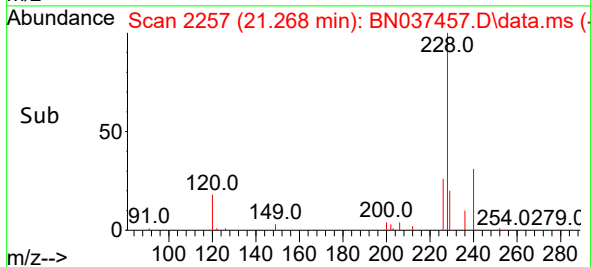
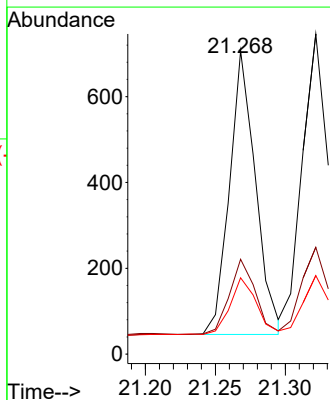
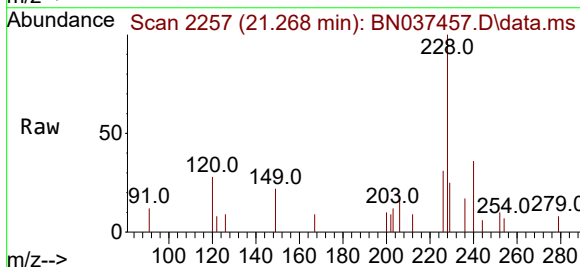
Instrument : BNA_N
 ClientSampleId : LOQ-WATER-02-QT2-2025

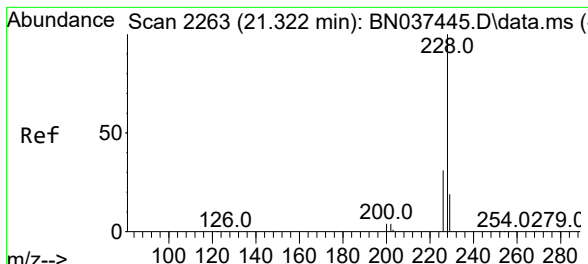
Tgt Ion:244	Resp:	2101
Ion Ratio	Lower	Upper
244	100	
212	10.8	9.0 13.4
122	16.9	15.0 22.4



#32
 Benzo(a)anthracene
 Concen: 0.089 ng
 RT: 21.268 min Scan# 2257
 Delta R.T. -0.018 min
 Lab File: BN037457.D
 Acq: 10 Jul 2025 14:29

Tgt Ion:228	Resp:	855
Ion Ratio	Lower	Upper
228	100	
226	31.3	22.2 33.2
229	25.2	16.6 25.0#

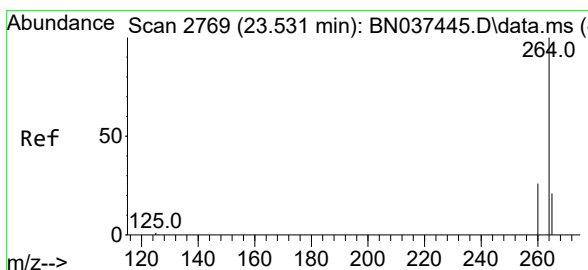
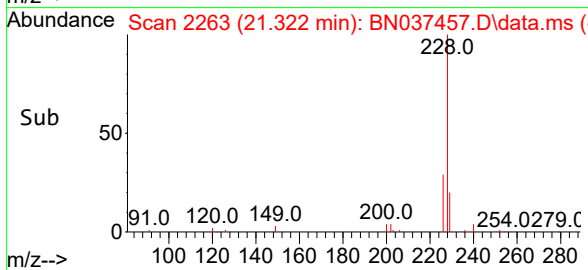
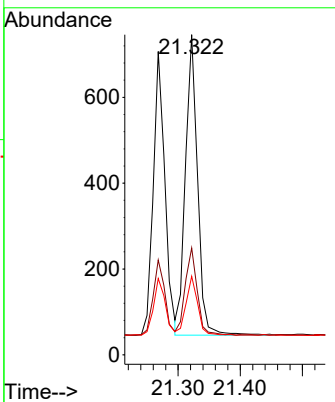
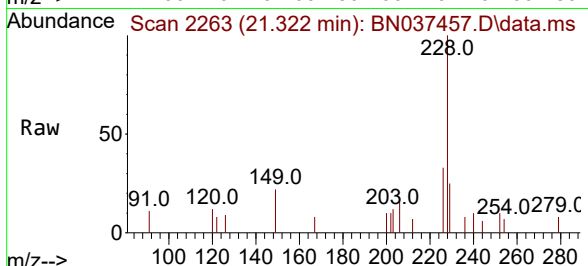




#33
 Chrysene
 Concen: 0.097 ng
 RT: 21.322 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN037457.D
 Acq: 10 Jul 2025 14:29

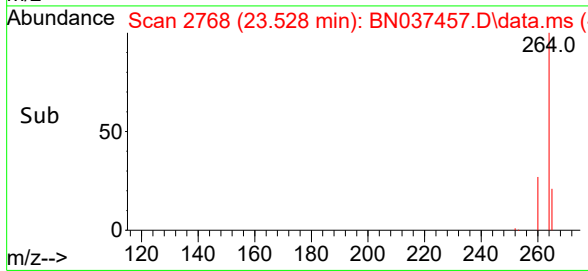
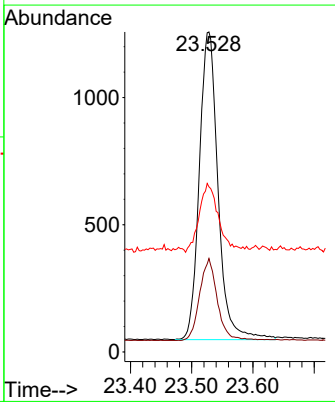
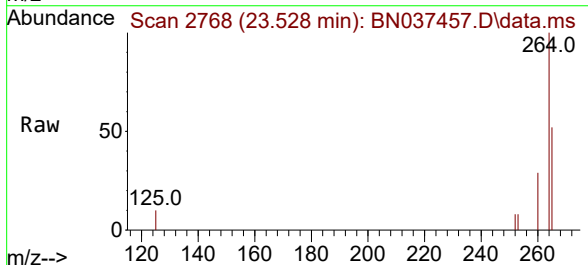
Instrument : BNA_N
 ClientSampleId : LOQ-WATER-02-QT2-2025

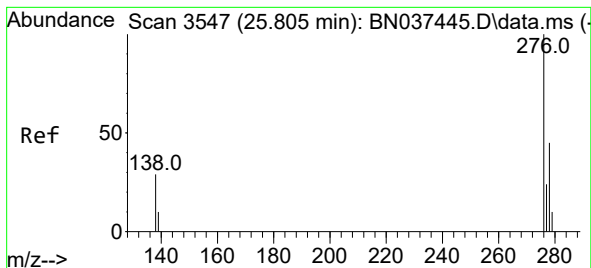
Tgt Ion:	228	Resp:	951
Ion Ratio	Lower	Upper	
228	100		
226	33.4	25.0	37.6
229	24.5	15.8	23.8



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.528 min Scan# 2768
 Delta R.T. -0.017 min
 Lab File: BN037457.D
 Acq: 10 Jul 2025 14:29

Tgt Ion:	264	Resp:	2570
Ion Ratio	Lower	Upper	
264	100		
260	29.2	22.1	33.1
265	51.6	30.1	45.1





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.085 ng

RT: 25.800 min Scan# 3547

Delta R.T. -0.026 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT2-2025

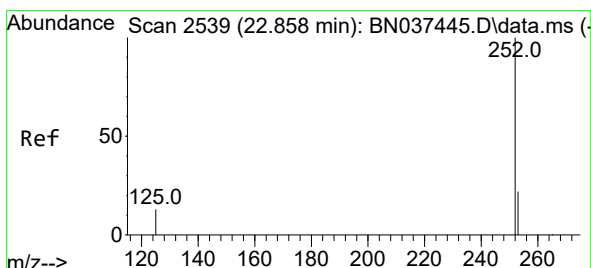
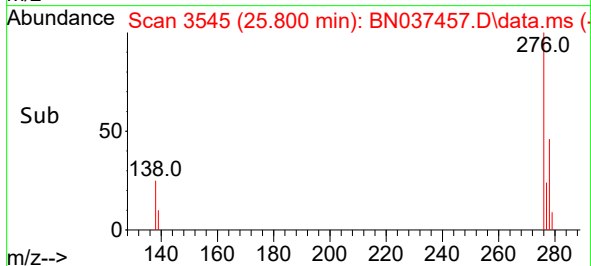
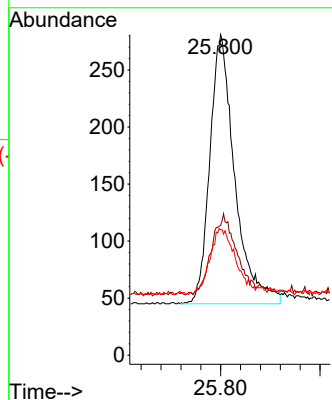
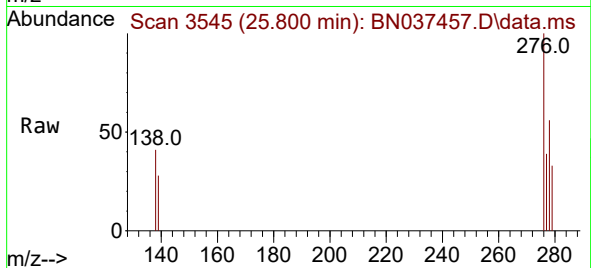
Tgt Ion:276 Resp: 822

Ion Ratio Lower Upper

276 100

138 30.0 27.8 41.8

277 25.3 19.8 29.8



#37

Benzo(b)fluoranthene

Concen: 0.087 ng

RT: 22.853 min Scan# 2537

Delta R.T. -0.017 min

Lab File: BN037457.D

Acq: 10 Jul 2025 14:29

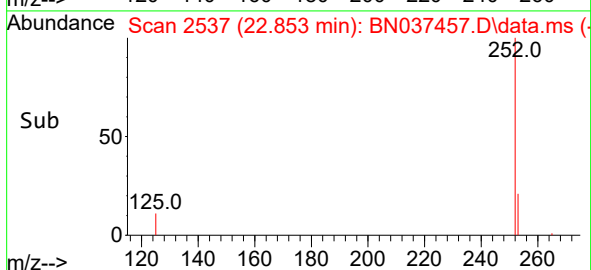
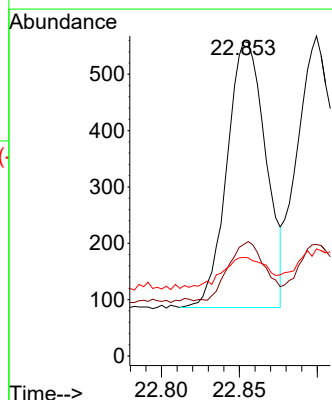
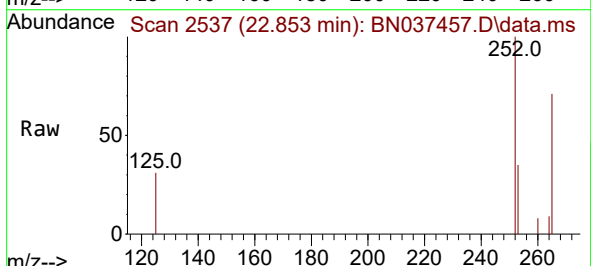
Tgt Ion:252 Resp: 819

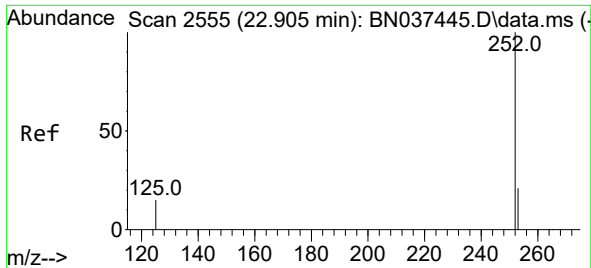
Ion Ratio Lower Upper

252 100

253 35.5 19.0 28.6#

125 31.4 13.0 19.6#

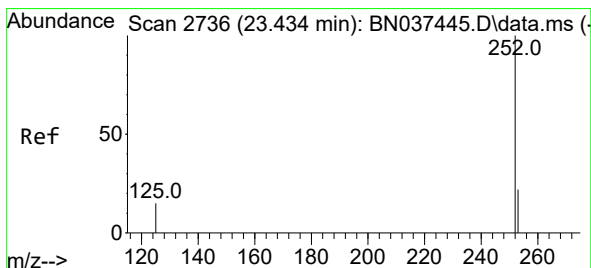
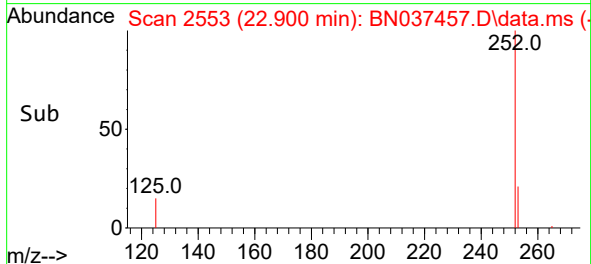
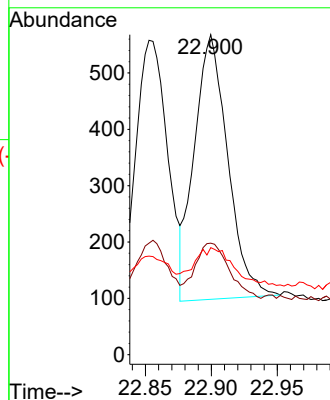
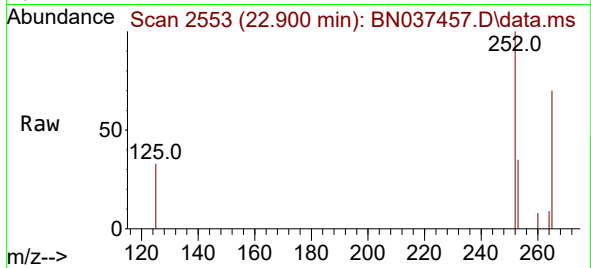




#38
Benzo(k)fluoranthene
Concen: 0.088 ng
RT: 22.900 min Scan# 21
Delta R.T. -0.017 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

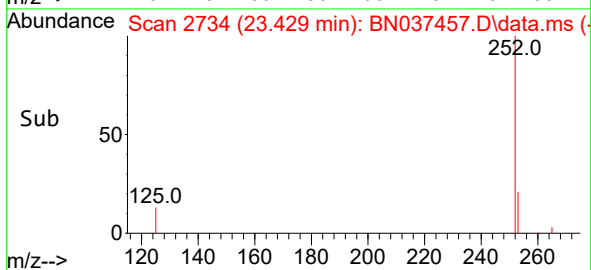
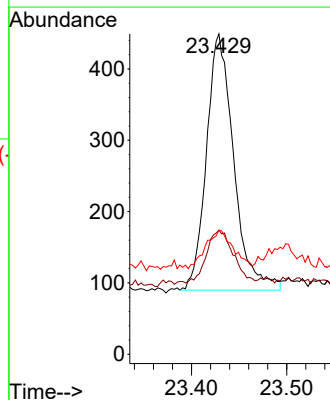
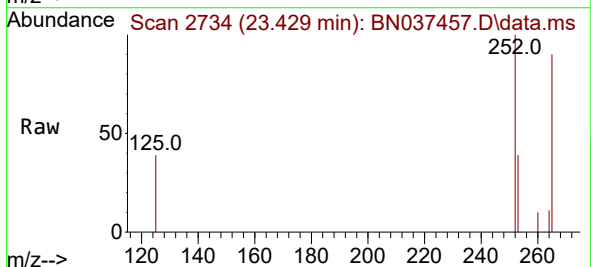
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

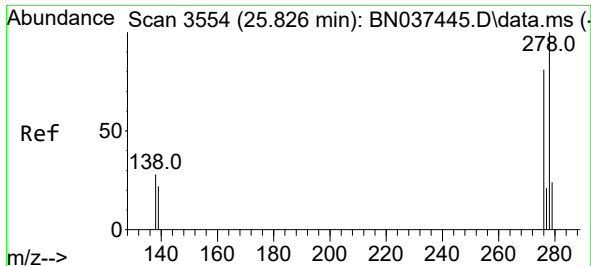
Tgt Ion:252 Resp: 828
Ion Ratio Lower Upper
252 100
253 34.9 19.0 28.6#
125 33.5 13.0 19.6#



#39
Benzo(a)pyrene
Concen: 0.092 ng
RT: 23.429 min Scan# 2734
Delta R.T. -0.017 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:252 Resp: 713
Ion Ratio Lower Upper
252 100
253 38.8 19.7 29.5#
125 38.8 15.4 23.0#

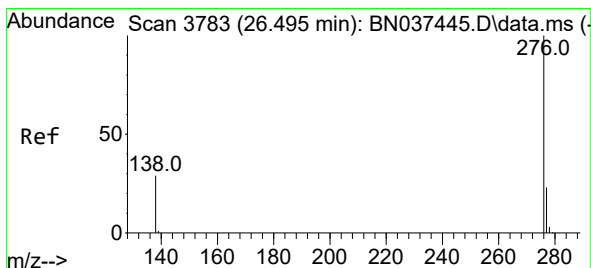
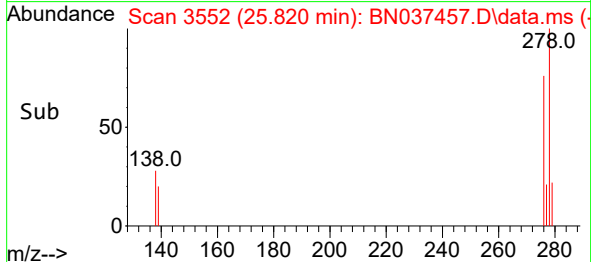
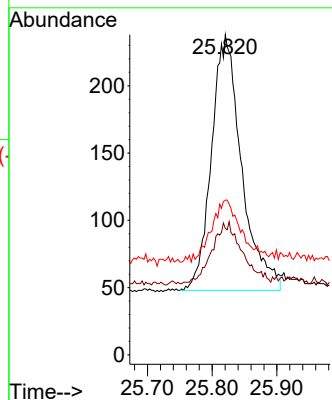
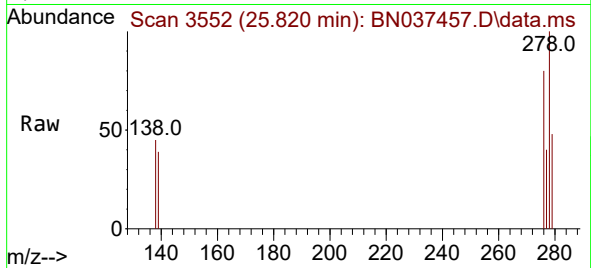




#40
Dibenzo(a,h)anthracene
Concen: 0.079 ng
RT: 25.820 min Scan# 31
Delta R.T. -0.023 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT2-2025

Tgt Ion:278 Resp: 614
Ion Ratio Lower Upper
278 100
139 39.5 21.2 31.8#
279 48.3 22.7 34.1#



#41
Benzo(g,h,i)perylene
Concen: 0.087 ng
RT: 26.490 min Scan# 3781
Delta R.T. -0.026 min
Lab File: BN037457.D
Acq: 10 Jul 2025 14:29

Tgt Ion:276 Resp: 722
Ion Ratio Lower Upper
276 100
277 39.6 19.8 29.8#
138 42.9 25.9 38.9#

