

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
 Data File : BN036422.D
 Acq On : 11 Feb 2025 13:36
 Operator : RC/JU
 Sample : Q1168-08
 Misc : LOQ-WATER 0.1 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

Quant Time: Feb 11 14:11:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 11 01:17:14 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

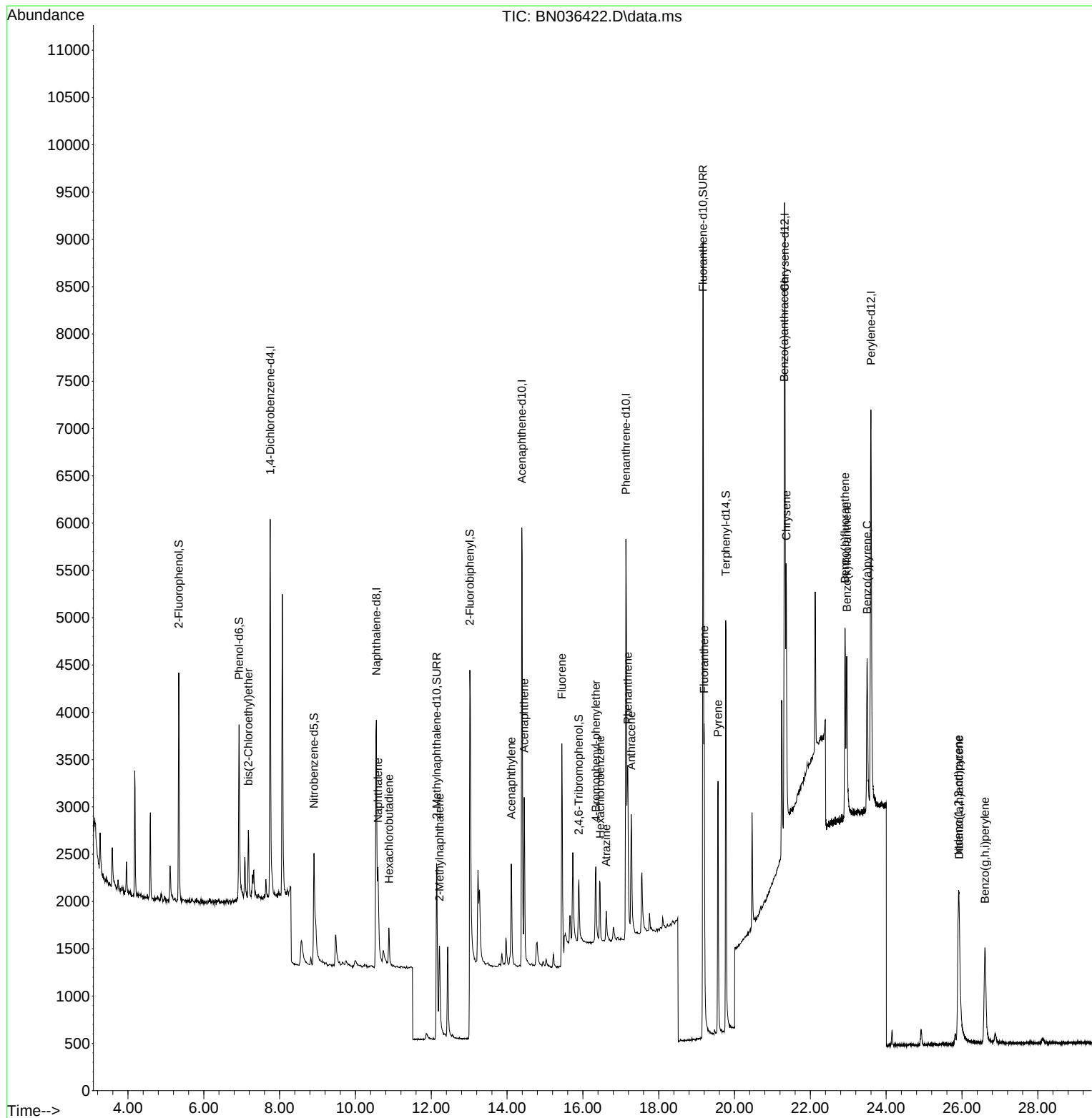
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.753	152	2057	0.400	ng	0.00
7) Naphthalene-d8	10.551	136	4971	0.400	ng	0.01
13) Acenaphthene-d10	14.387	164	3238	0.400	ng	0.00
19) Phenanthrene-d10	17.136	188	7390	0.400	ng	0.00
29) Chrysene-d12	21.322	240	6557	0.400	ng	0.00
35) Perylene-d12	23.598	264	6846	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	1793	0.369	ng	0.00
5) Phenol-d6	6.930	99	1956	0.343	ng	0.00
8) Nitrobenzene-d5	8.907	82	1513	0.308	ng	0.00
11) 2-Methylnaphthalene-d10	12.141	152	4060	0.531	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	536	0.334	ng	0.01
15) 2-Fluorobiphenyl	13.019	172	3669	0.301	ng	0.00
27) Fluoranthene-d10	19.169	212	11209	0.545	ng	0.00
31) Terphenyl-d14	19.768	244	5315	0.380	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.175	93	573	0.096	ng	99
9) Naphthalene	10.594	128	1447	0.101	ng	# 89
10) Hexachlorobutadiene	10.882	225	361	0.103	ng	# 100
12) 2-Methylnaphthalene	12.217	142	909	0.097	ng	96
16) Acenaphthylene	14.110	152	1462	0.102	ng	100
17) Acenaphthene	14.452	154	947	0.099	ng	98
18) Fluorene	15.446	166	1335	0.098	ng	99
21) 4-Bromophenyl-phenylether	16.342	248	445	0.101	ng	92
22) Hexachlorobenzene	16.453	284	578	0.106	ng	99
23) Atrazine	16.615	200	395	0.107	ng	# 84
25) Phenanthrene	17.186	178	2204	0.103	ng	98
26) Anthracene	17.273	178	1994	0.106	ng	99
28) Fluoranthene	19.201	202	2767	0.105	ng	98
30) Pyrene	19.564	202	2809	0.111	ng	99
32) Benzo(a)anthracene	21.313	228	2324	0.108	ng	96
33) Chrysene	21.366	228	2750	0.118	ng	97
36) Indeno(1,2,3-cd)pyrene	25.905	276	2837	0.119	ng	96
37) Benzo(b)fluoranthene	22.917	252	2512	0.111	ng	# 61
38) Benzo(k)fluoranthene	22.961	252	2650	0.114	ng	# 70
39) Benzo(a)pyrene	23.499	252	2227	0.113	ng	# 44
40) Dibenzo(a,h)anthracene	25.925	278	2025	0.107	ng	# 72
41) Benzo(g,h,i)perylene	26.607	276	2406	0.112	ng	# 89

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
Data File : BN036422.D
Acq On : 11 Feb 2025 13:36
Operator : RC/JU
Sample : Q1168-08
Misc : LOQ-WATER 0.1 PPM
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

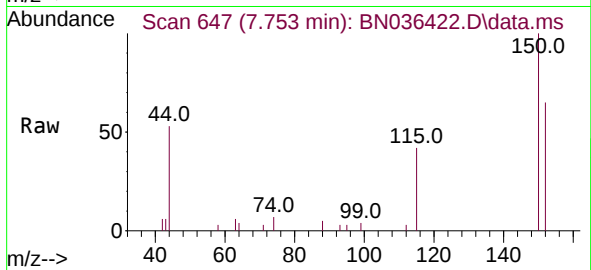
Quant Time: Feb 11 14:11:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 11 01:17:14 2025
Response via : Initial Calibration



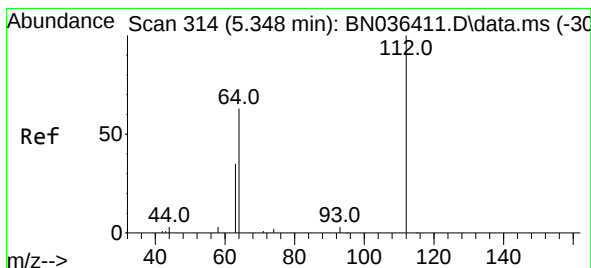
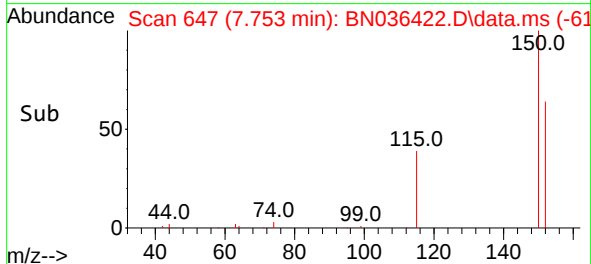
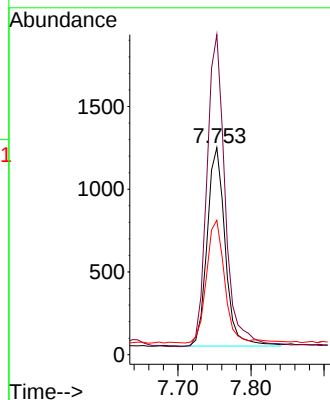


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.753 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

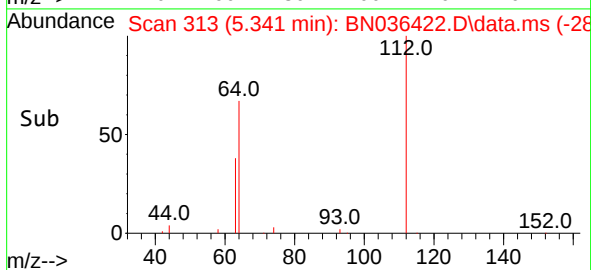
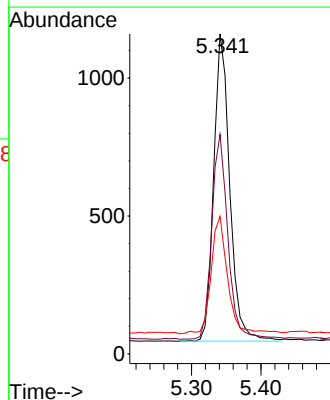
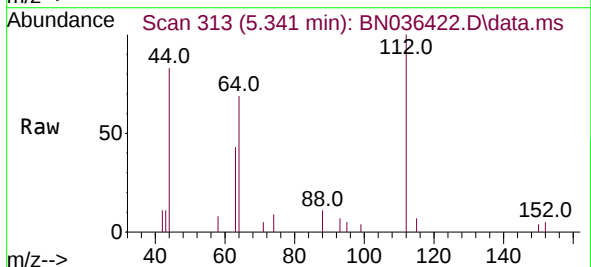


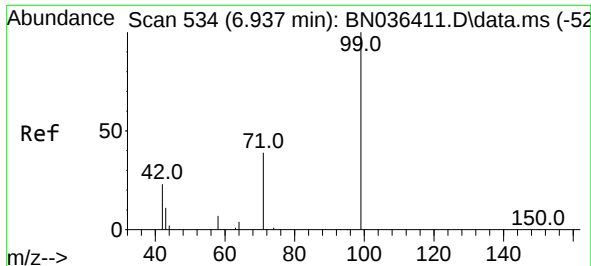
Tgt Ion:152 Resp: 2057
Ion Ratio Lower Upper
152 100
150 154.6 123.7 185.5
115 64.9 52.5 78.7



#4
2-Fluorophenol
Concen: 0.369 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.007 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:112 Resp: 1793
Ion Ratio Lower Upper
112 100
64 66.8 53.4 80.0
63 39.4 30.3 45.5

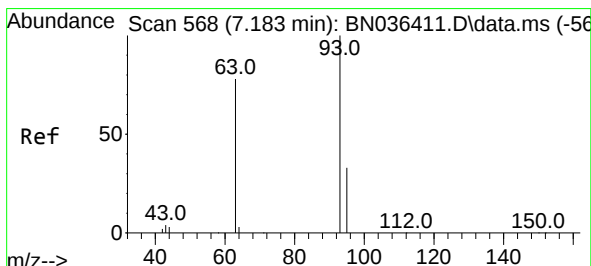
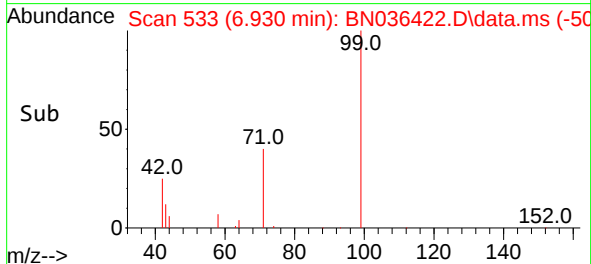
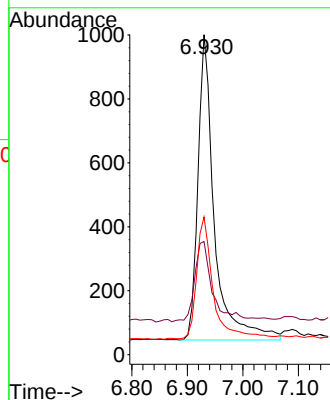
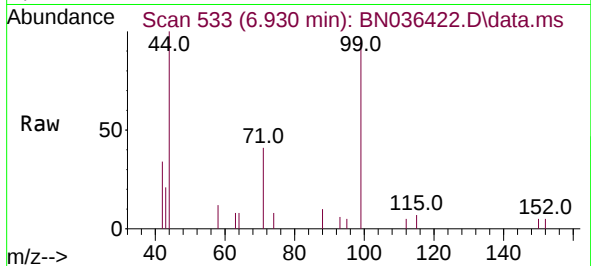




#5
Phenol-d6
Concen: 0.343 ng
RT: 6.930 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

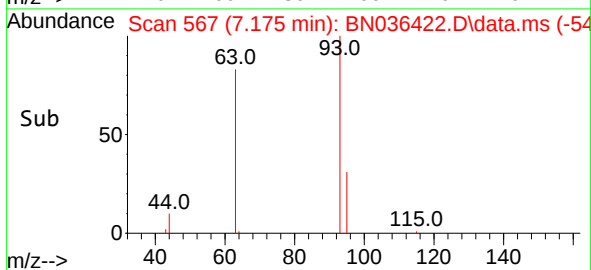
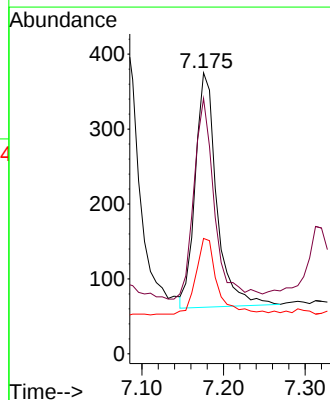
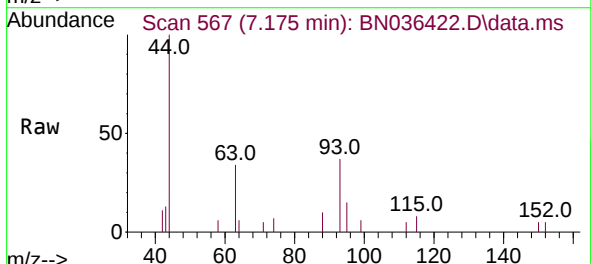
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

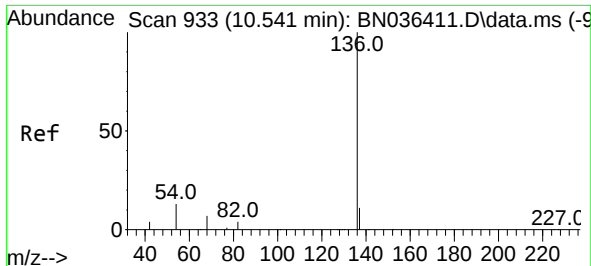
Tgt Ion:	99	Resp:	1956
Ion	Ratio	Lower	Upper
99	100		
42	29.8	21.7	32.5
71	40.1	32.6	49.0



#6
bis(2-Chloroethyl)ether
Concen: 0.096 ng
RT: 7.175 min Scan# 567
Delta R.T. -0.007 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:	93	Resp:	573
Ion	Ratio	Lower	Upper
93	100		
63	82.5	66.3	99.5
95	33.3	26.2	39.4

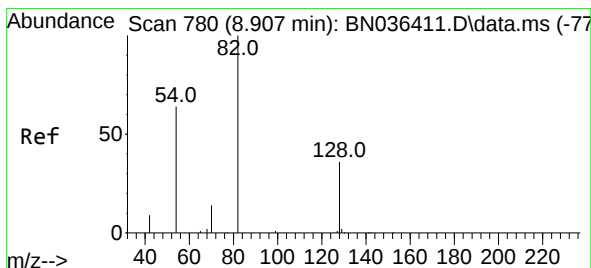
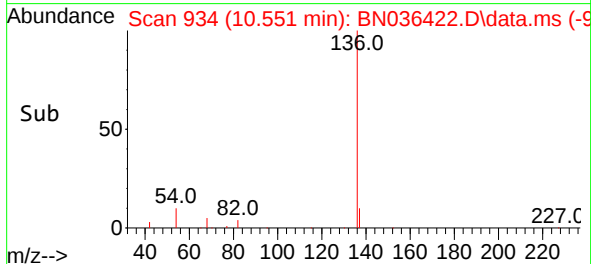
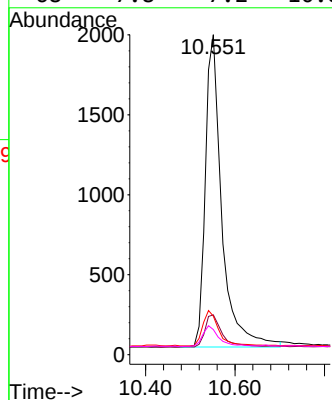
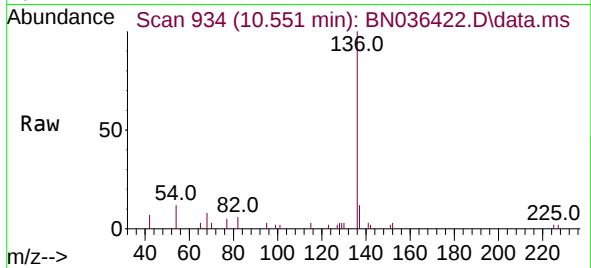




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.551 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

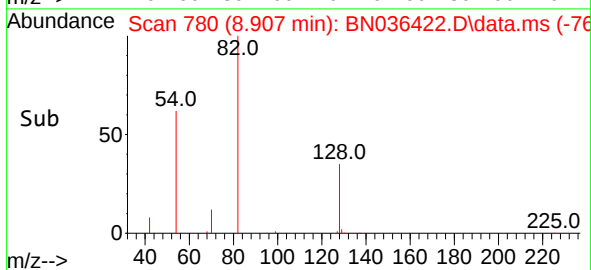
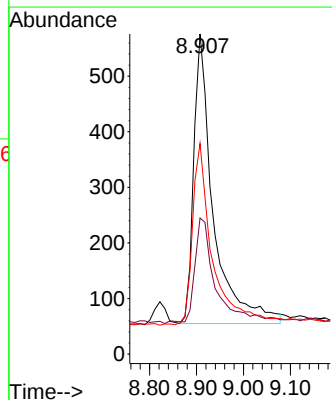
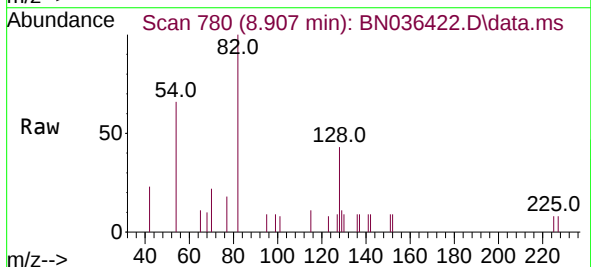
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

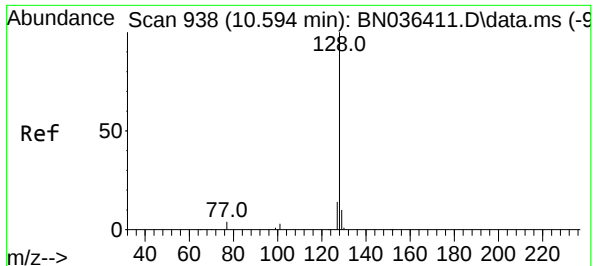
Tgt Ion:	136	Resp:	4971
Ion	Ratio	Lower	Upper
136	100		
137	12.4	10.1	15.1
54	12.0	11.8	17.6
68	7.8	7.2	10.8



#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.907 min Scan# 780
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:	82	Resp:	1513
Ion	Ratio	Lower	Upper
82	100		
128	42.5	31.9	47.9
54	65.8	53.1	79.7

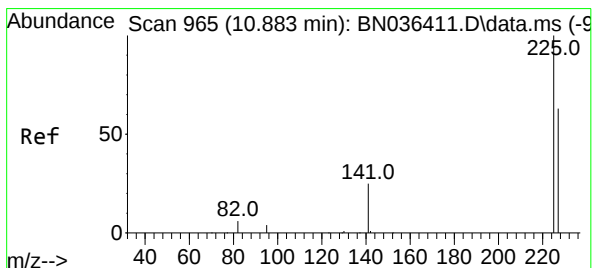
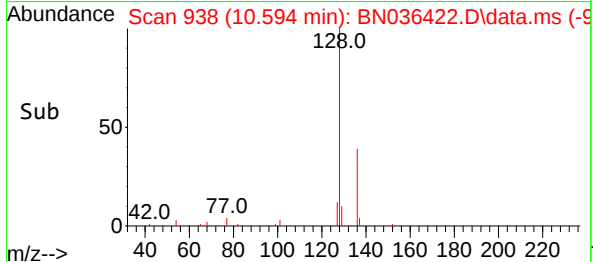
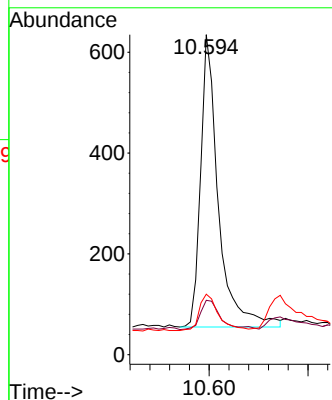
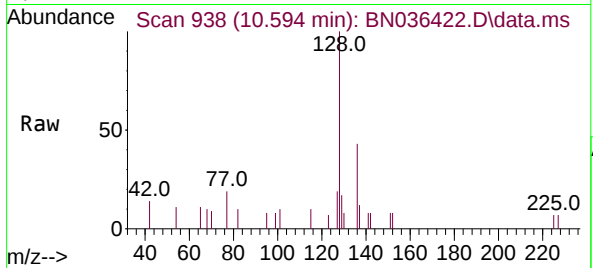




#9
Naphthalene
Concen: 0.101 ng
RT: 10.594 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

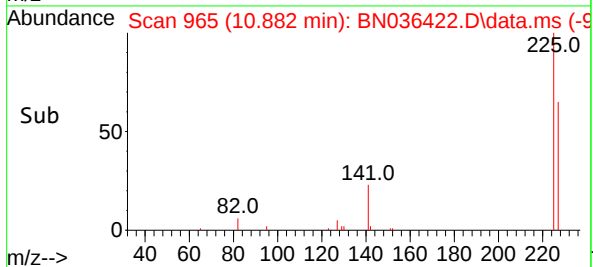
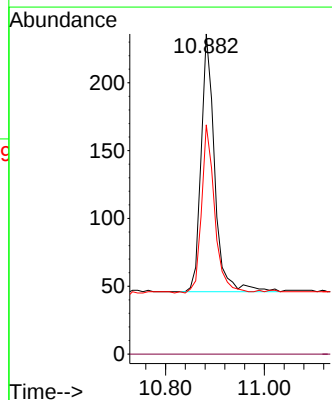
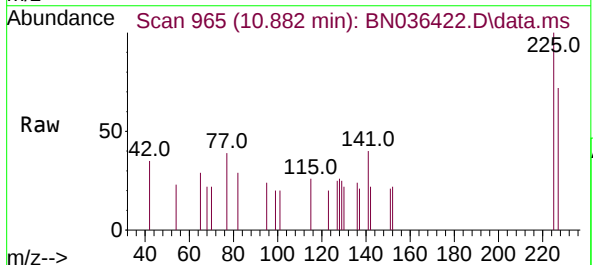
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

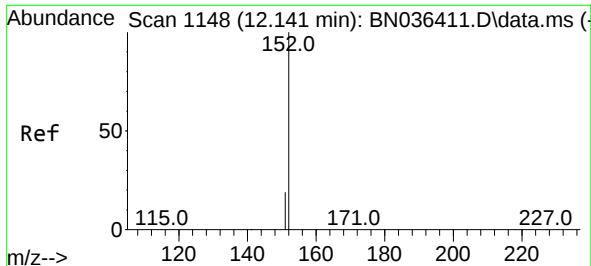
Tgt Ion:128 Resp: 1447
Ion Ratio Lower Upper
128 100
129 17.0 9.6 14.4#
127 18.9 12.0 18.0#



#10
Hexachlorobutadiene
Concen: 0.103 ng
RT: 10.882 min Scan# 965
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:225 Resp: 361
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.7 50.9 76.3

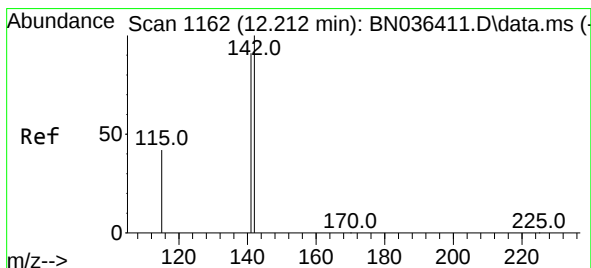
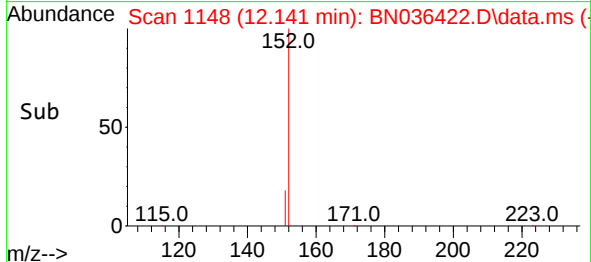
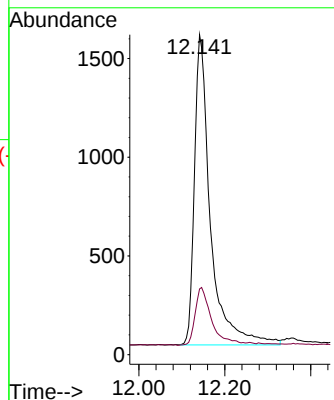
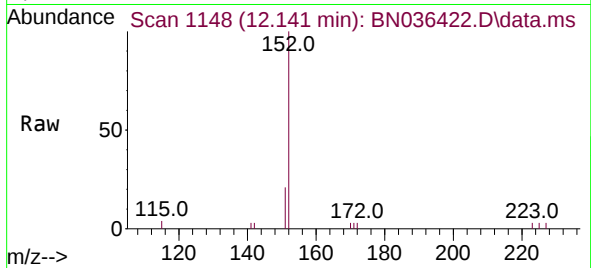




#11
2-Methylnaphthalene-d10
Concen: 0.531 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

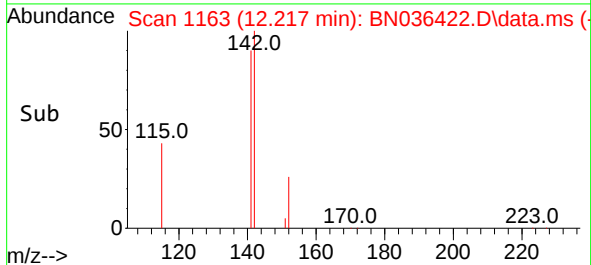
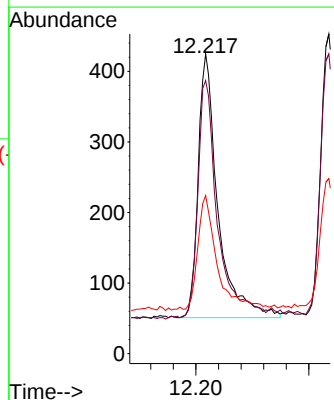
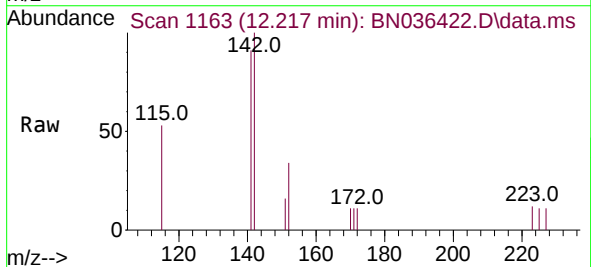
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

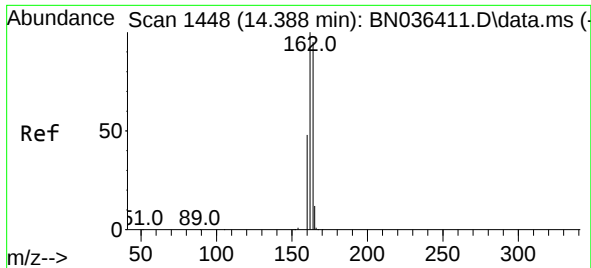
Tgt Ion:152 Resp: 4060
Ion Ratio Lower Upper
152 100
151 19.3 16.6 25.0



#12
2-Methylnaphthalene
Concen: 0.097 ng
RT: 12.217 min Scan# 1163
Delta R.T. 0.005 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:142 Resp: 909
Ion Ratio Lower Upper
142 100
141 91.1 72.8 109.2
115 52.7 35.5 53.3

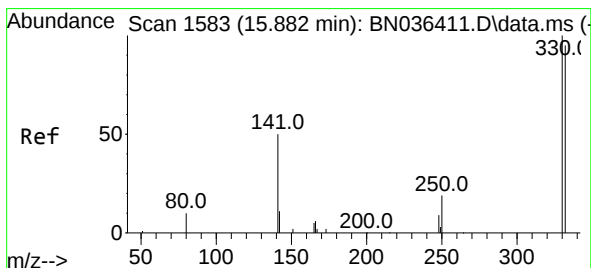
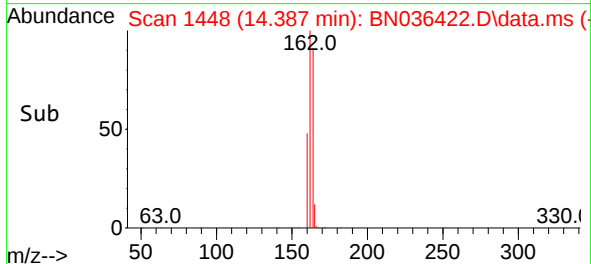
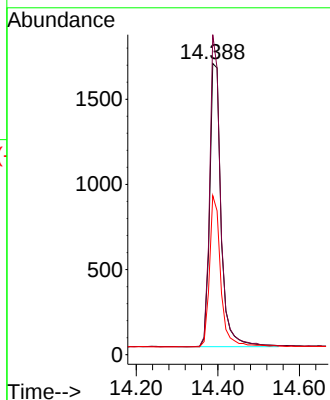
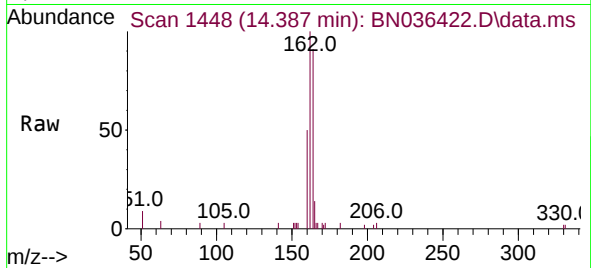




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.387 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

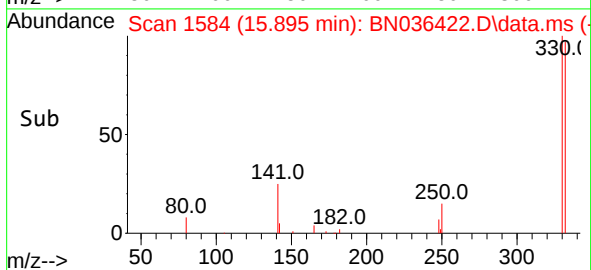
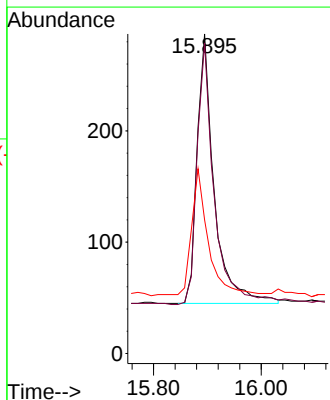
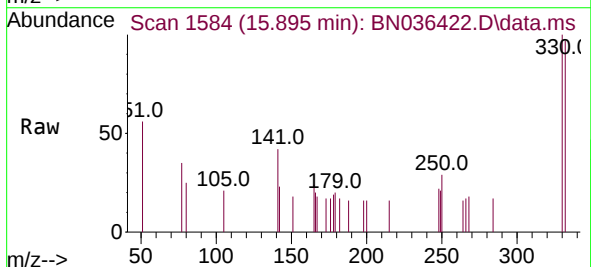
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

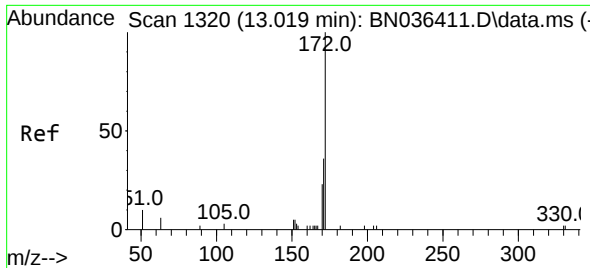
Tgt Ion:	164	Resp:	3238
Ion	Ratio	Lower	Upper
164	100		
162	109.9	84.1	126.1
160	54.6	41.4	62.0



#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.012 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:	330	Resp:	536
Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.6	114.8
141	43.8	37.8	56.8

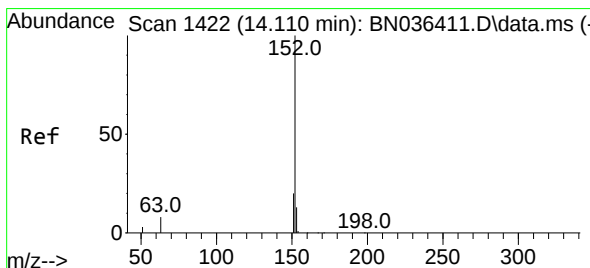
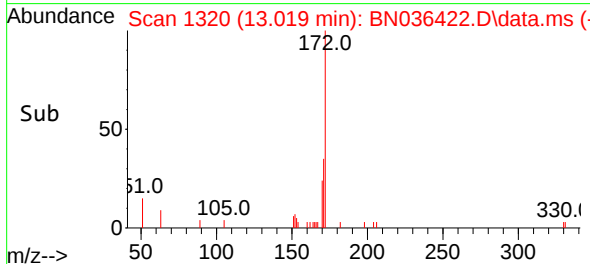
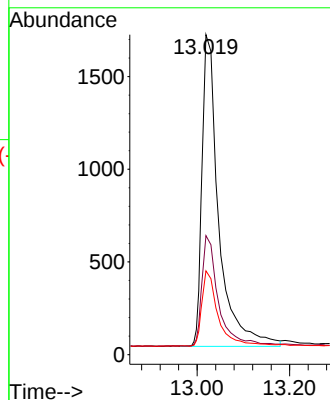
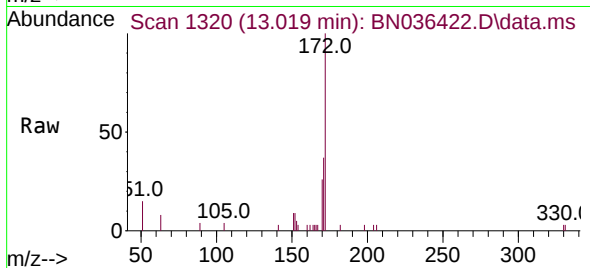




#15
2-Fluorobiphenyl
Concen: 0.301 ng
RT: 13.019 min Scan# 1320
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

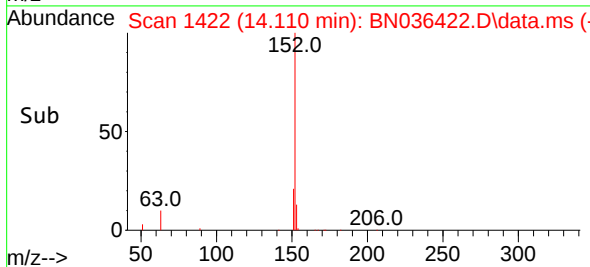
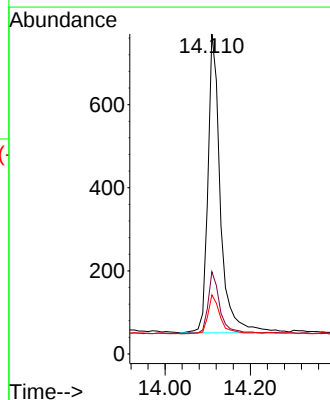
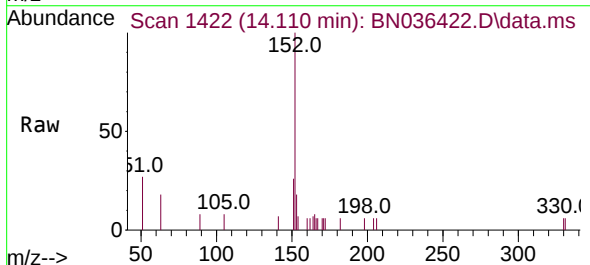
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

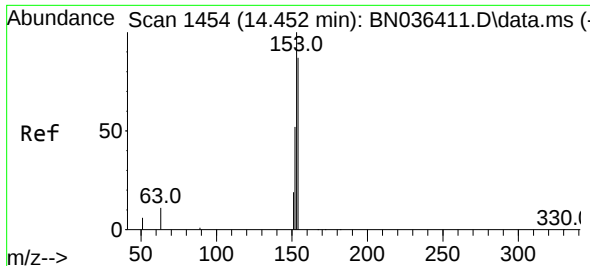
Tgt Ion:	172	Resp:	3669
Ion Ratio	Lower	Upper	
172	100		
171	37.2	29.6	44.4
170	26.2	19.8	29.6



#16
Acenaphthylene
Concen: 0.102 ng
RT: 14.110 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:	152	Resp:	1462
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.8
153	12.4	10.2	15.2

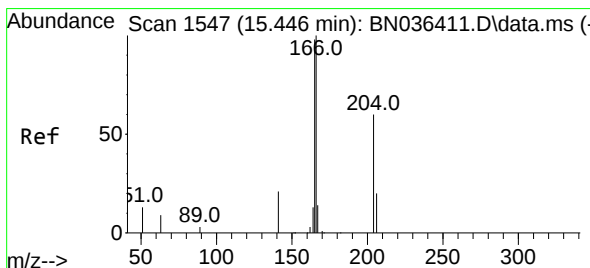
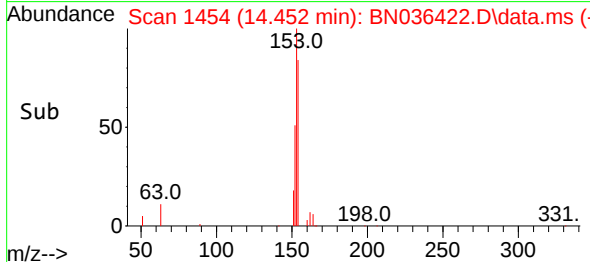
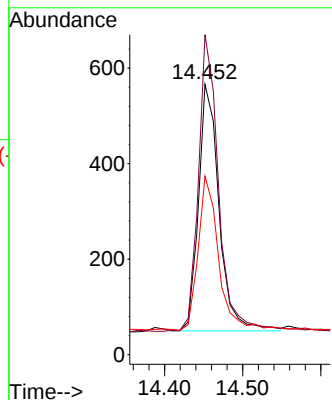
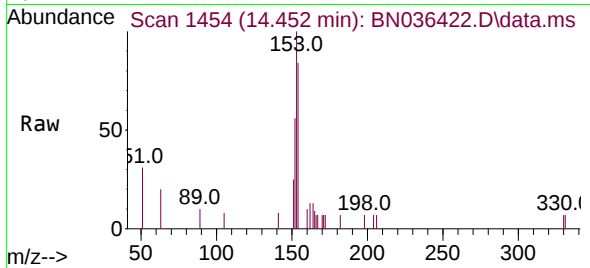




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

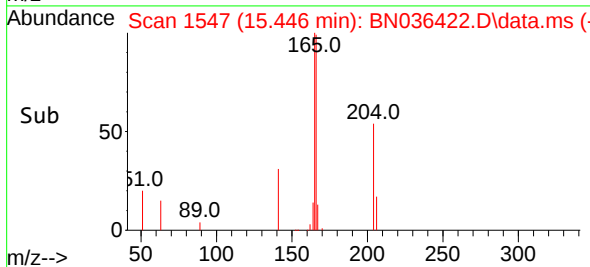
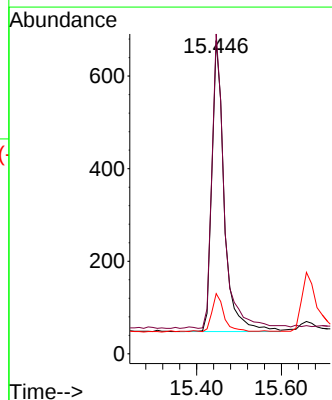
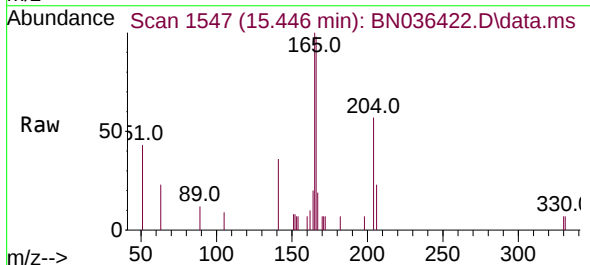
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

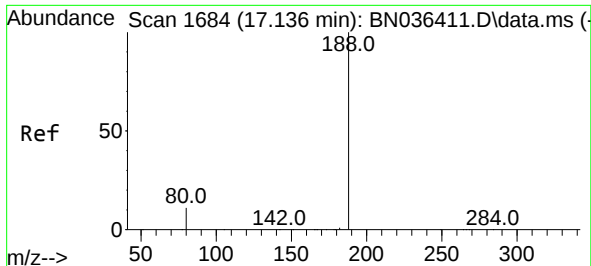
Tgt Ion:154 Resp: 947
Ion Ratio Lower Upper
154 100
153 118.5 93.3 139.9
152 62.1 48.8 73.2



#18
Fluorene
Concen: 0.098 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:166 Resp: 1335
Ion Ratio Lower Upper
166 100
165 100.5 79.5 119.3
167 12.4 10.4 15.6

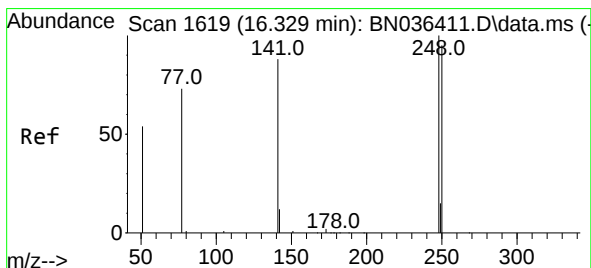
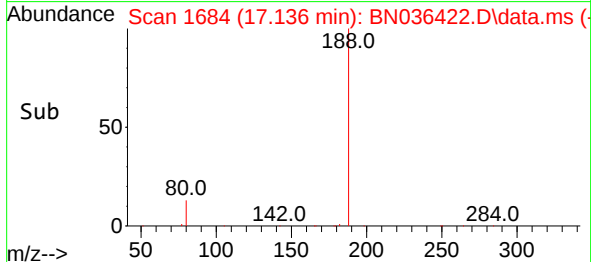
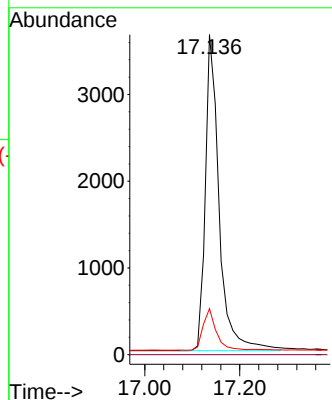
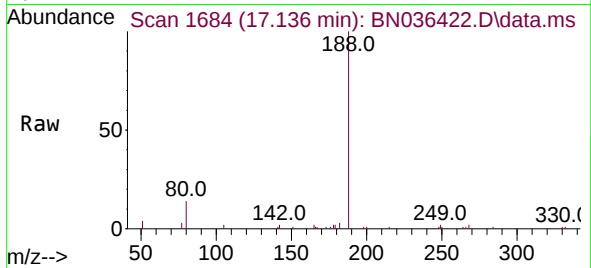




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

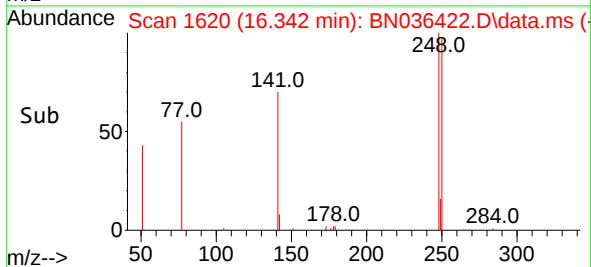
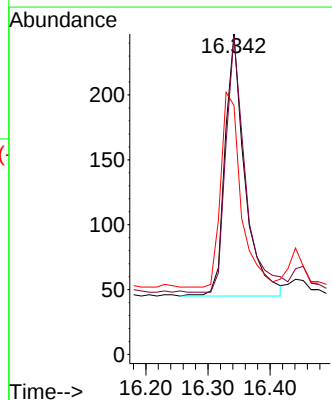
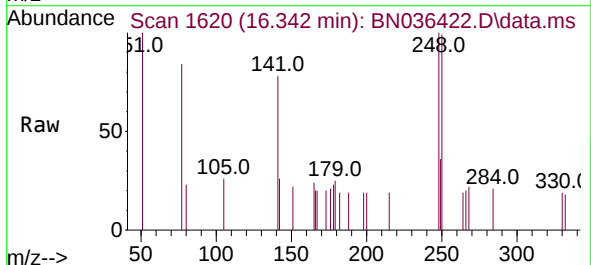
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

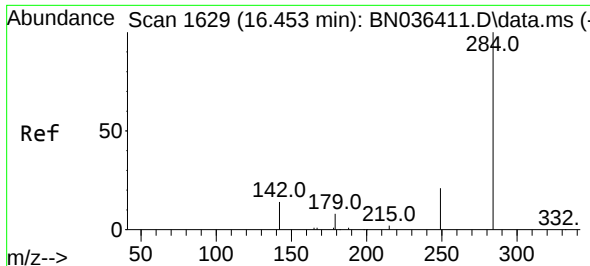
Tgt Ion:188 Resp: 7390
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.4 9.8 14.6



#21
4-Bromophenyl-phenylether
Concen: 0.101 ng
RT: 16.342 min Scan# 1620
Delta R.T. 0.012 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:248 Resp: 445
Ion Ratio Lower Upper
248 100
250 99.2 76.1 114.1
141 77.7 71.7 107.5

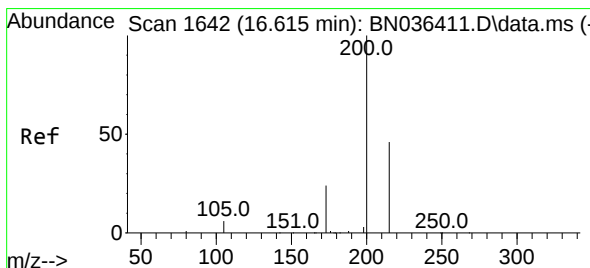
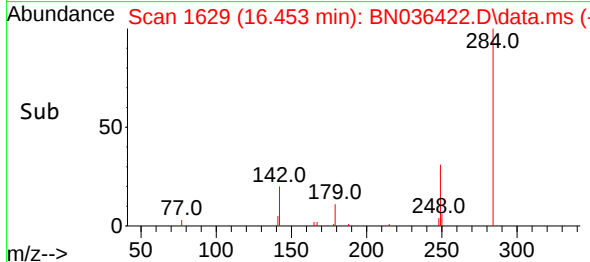
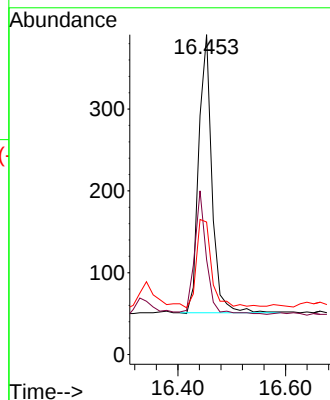
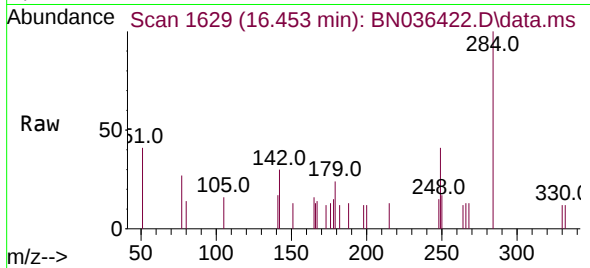




#22
Hexachlorobenzene
Concen: 0.106 ng
RT: 16.453 min Scan# 1629
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

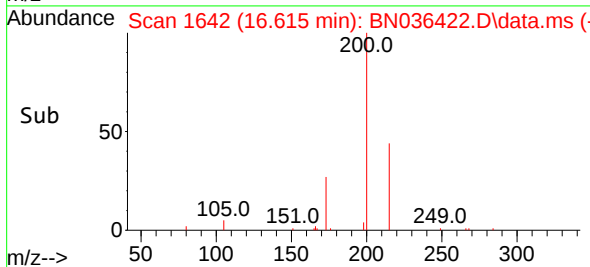
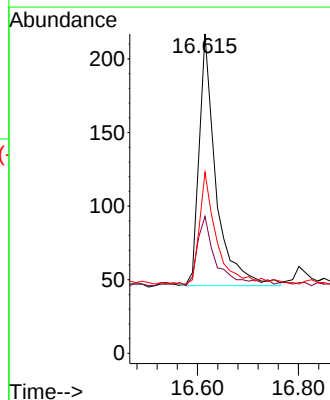
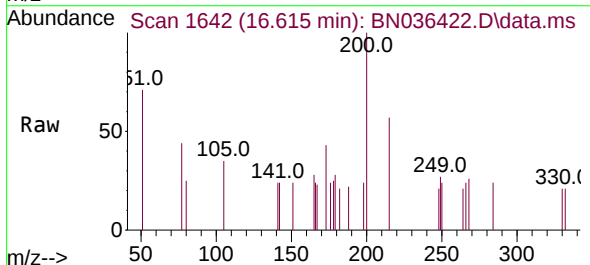
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

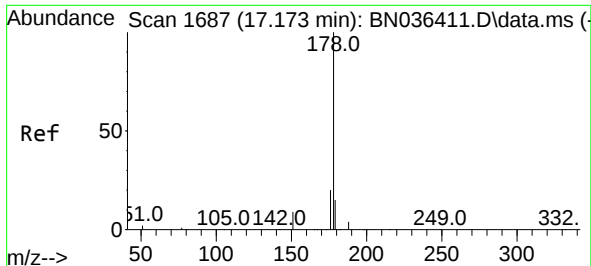
Tgt Ion:284 Resp: 578
Ion Ratio Lower Upper
284 100
142 40.3 33.4 50.0
249 35.5 28.6 43.0



#23
Atrazine
Concen: 0.107 ng
RT: 16.615 min Scan# 1642
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:200 Resp: 395
Ion Ratio Lower Upper
200 100
173 42.9 23.2 34.8#
215 56.7 40.0 60.0

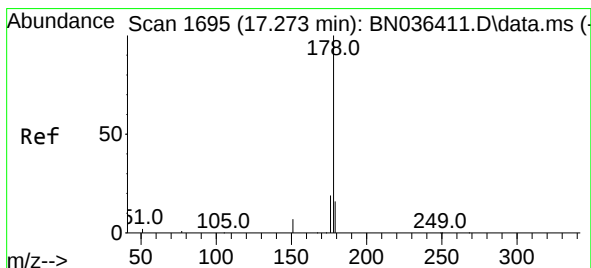
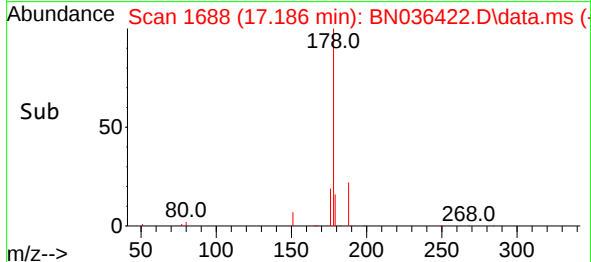
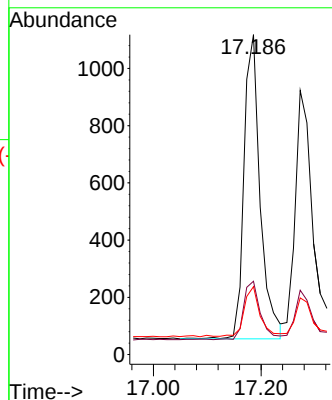
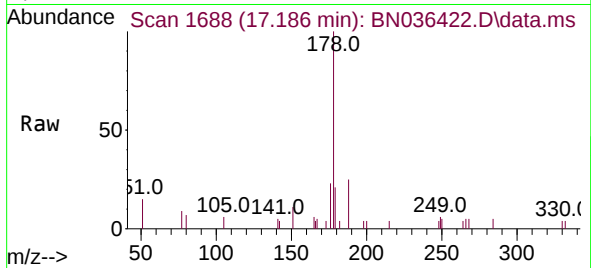




#25
Phenanthrene
Concen: 0.103 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.012 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

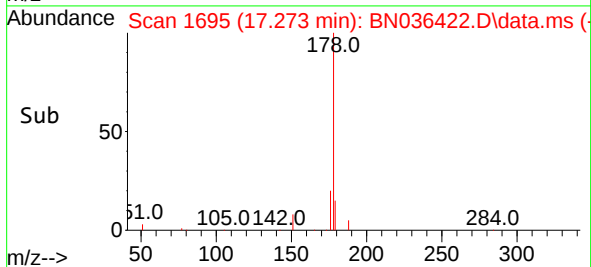
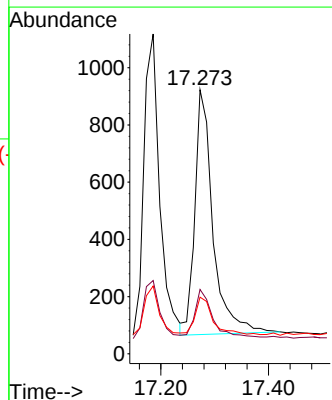
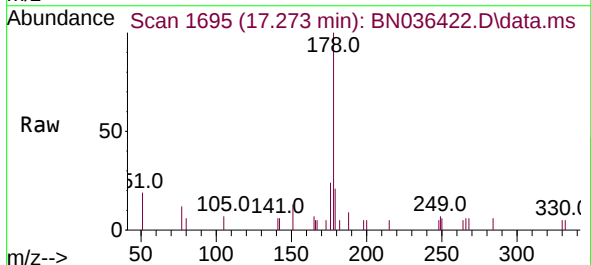
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

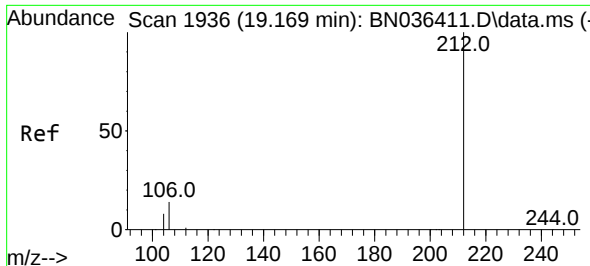
Tgt Ion:178 Resp: 2204
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 16.6 12.4 18.6



#26
Anthracene
Concen: 0.106 ng
RT: 17.273 min Scan# 1695
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:178 Resp: 1994
Ion Ratio Lower Upper
178 100
176 19.1 14.9 22.3
179 16.1 12.4 18.6

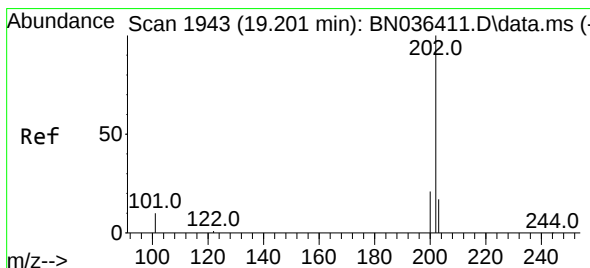
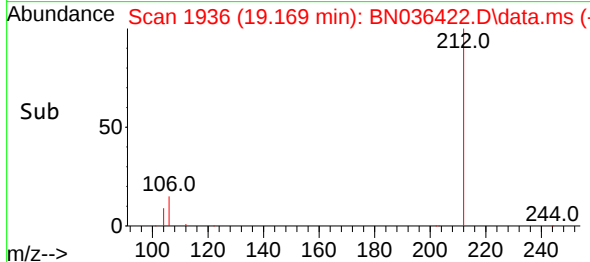
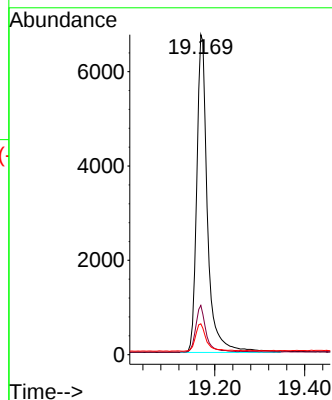
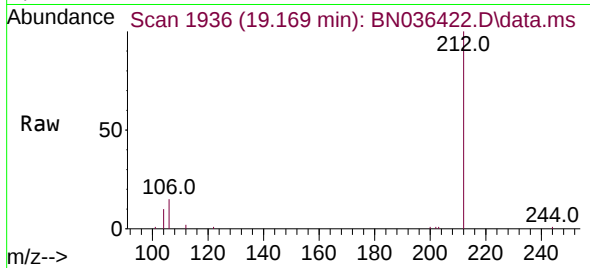




#27
Fluoranthene-d10
Concen: 0.545 ng
RT: 19.169 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

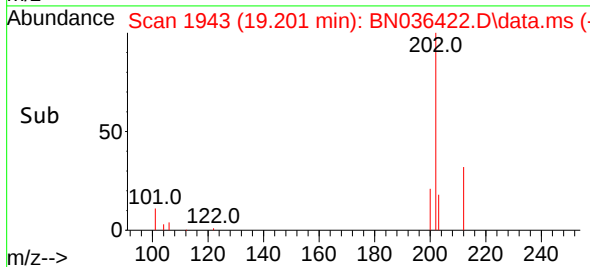
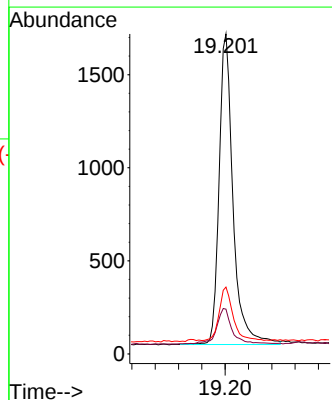
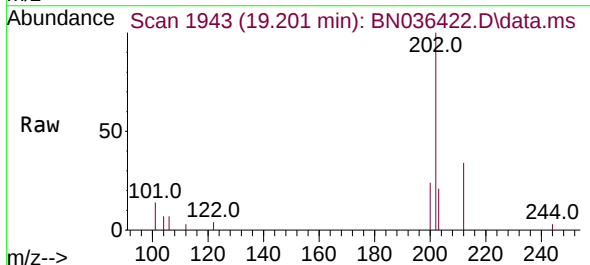
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

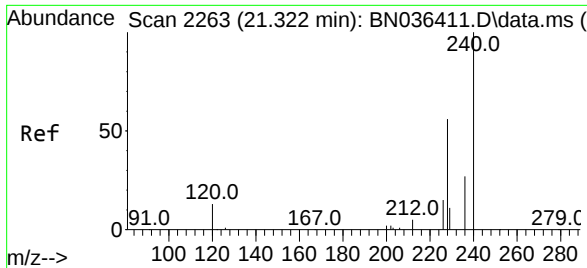
Tgt Ion:212 Resp: 11209
Ion Ratio Lower Upper
212 100
106 14.1 11.5 17.3
104 8.5 7.1 10.7



#28
Fluoranthene
Concen: 0.105 ng
RT: 19.201 min Scan# 1943
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:202 Resp: 2767
Ion Ratio Lower Upper
202 100
101 12.8 9.2 13.8
203 17.3 13.4 20.0

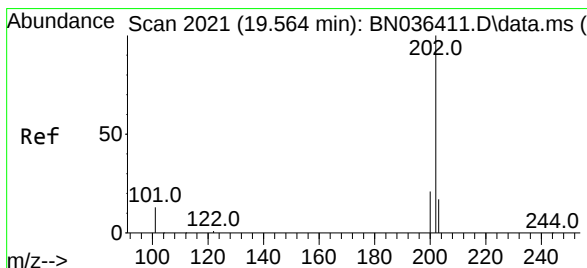
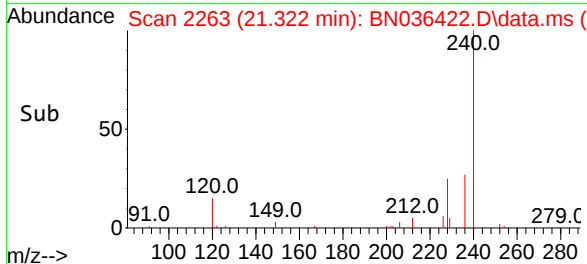
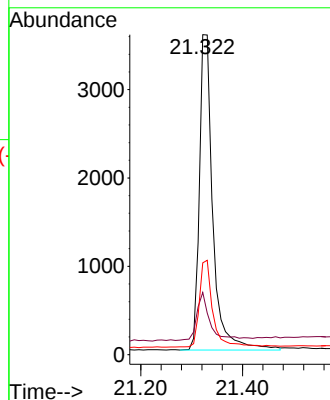
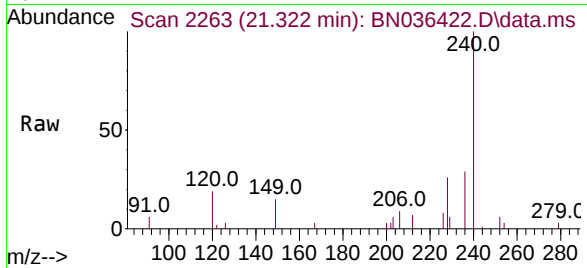




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.322 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

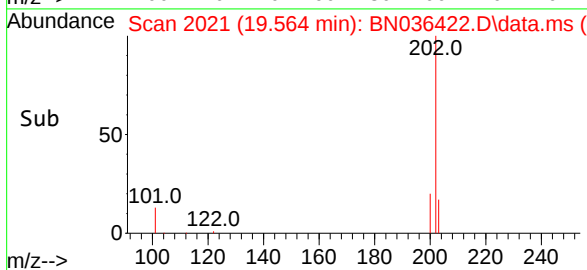
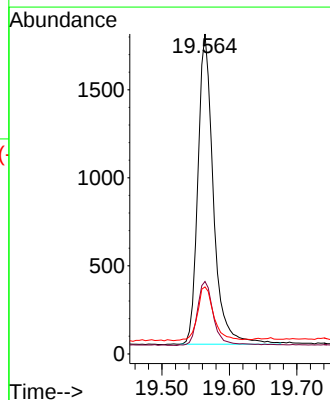
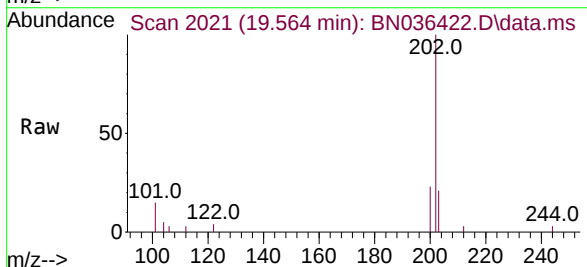
Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

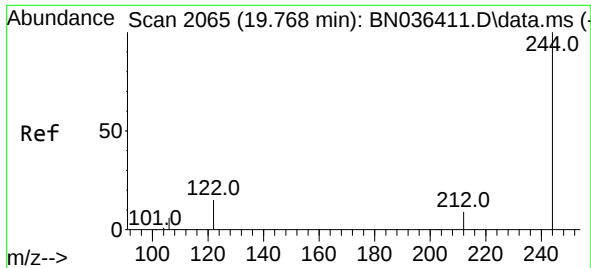
Tgt Ion:240 Resp: 6557
Ion Ratio Lower Upper
240 100
120 19.5 13.3 19.9
236 28.7 23.0 34.6



#30
Pyrene
Concen: 0.111 ng
RT: 19.564 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:202 Resp: 2809
Ion Ratio Lower Upper
202 100
200 21.4 16.9 25.3
203 18.2 13.9 20.9

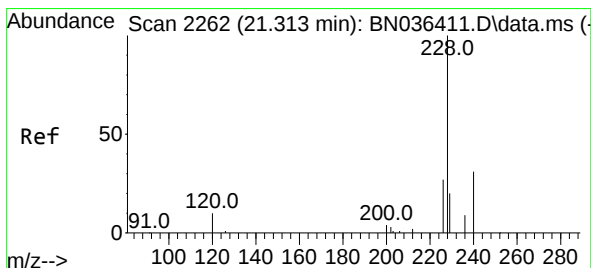
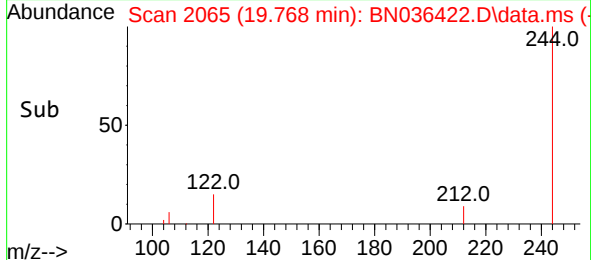
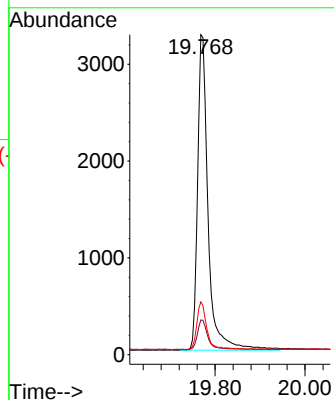
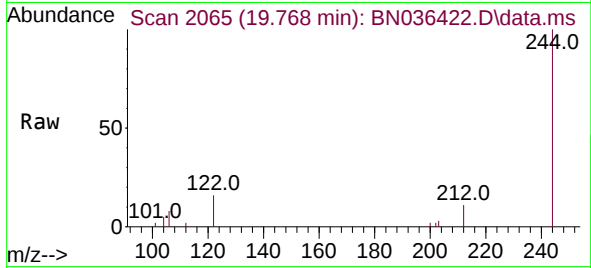




#31
 Terphenyl-d14
 Concen: 0.380 ng
 RT: 19.768 min Scan# 2065
 Delta R.T. -0.000 min
 Lab File: BN036422.D
 Acq: 11 Feb 2025 13:36

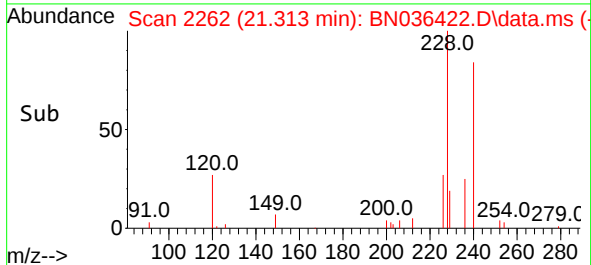
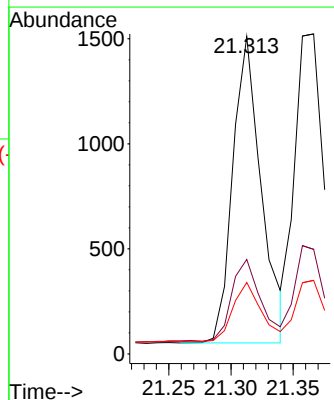
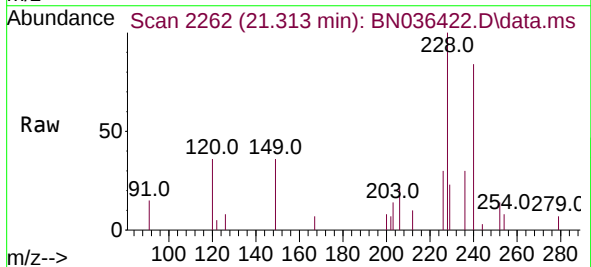
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2025

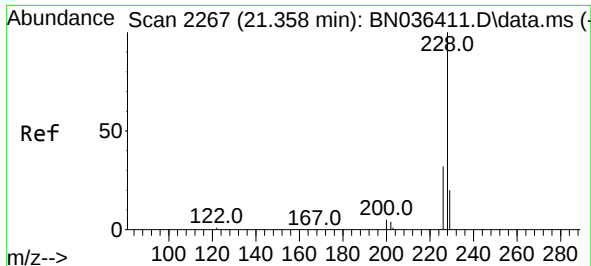
Tgt Ion:	244	Resp:	5315
Ion Ratio	Lower	Upper	
244	100		
212	10.9	8.1	12.1
122	16.5	12.8	19.2



#32
 Benzo(a)anthracene
 Concen: 0.108 ng
 RT: 21.313 min Scan# 2262
 Delta R.T. -0.000 min
 Lab File: BN036422.D
 Acq: 11 Feb 2025 13:36

Tgt Ion:	228	Resp:	2324
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.2	33.2
229	22.5	16.5	24.7





#33

Chrysene

Concen: 0.118 ng

RT: 21.366 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN036422.D

Acq: 11 Feb 2025 13:36

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

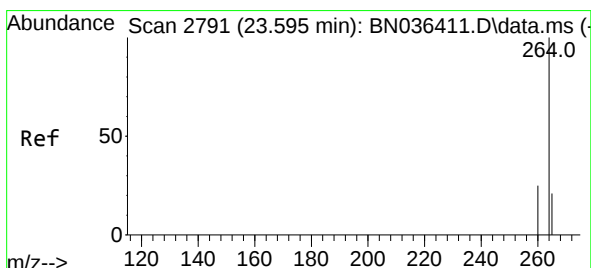
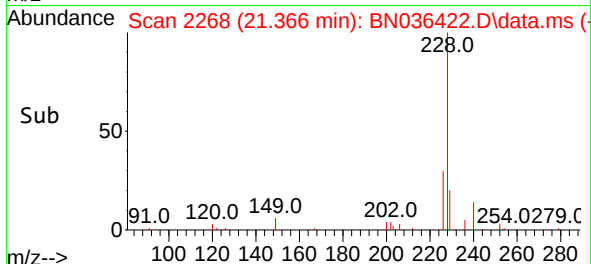
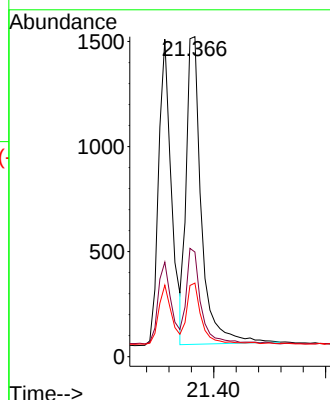
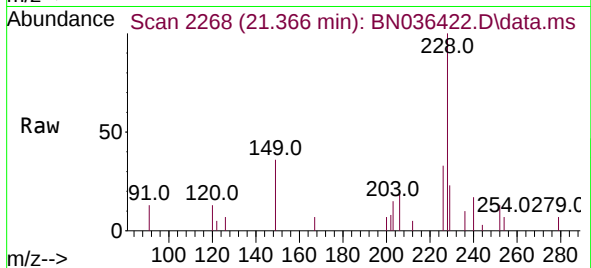
Tgt Ion:228 Resp: 2750

Ion Ratio Lower Upper

228 100

226 32.7 25.5 38.3

229 23.0 16.4 24.6



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.598 min Scan# 2792

Delta R.T. 0.003 min

Lab File: BN036422.D

Acq: 11 Feb 2025 13:36

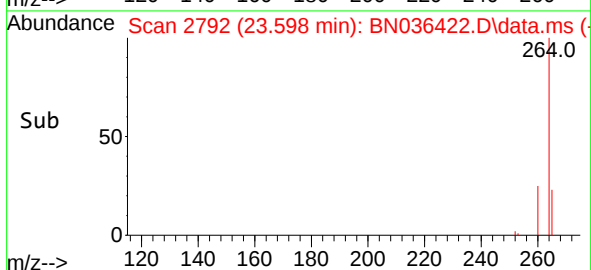
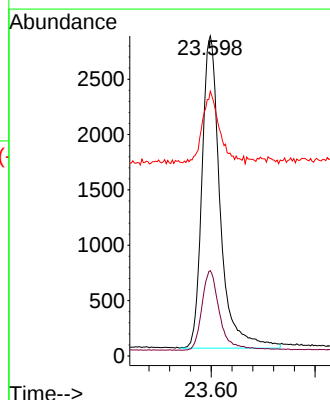
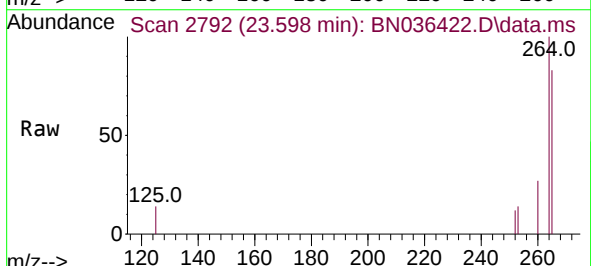
Tgt Ion:264 Resp: 6846

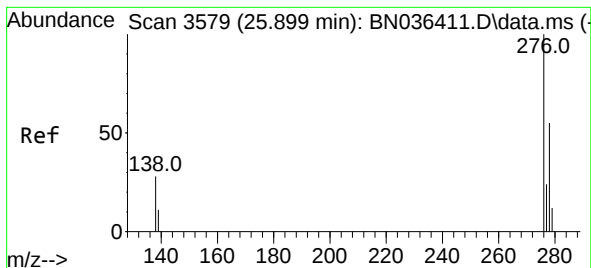
Ion Ratio Lower Upper

264 100

260 26.7 20.9 31.3

265 82.7 60.7 91.1





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.119 ng

RT: 25.905 min Scan# 3581

Delta R.T. 0.006 min

Lab File: BN036422.D

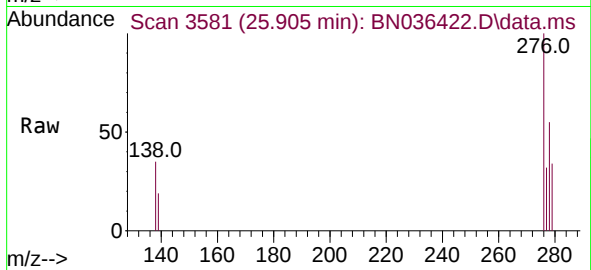
Acq: 11 Feb 2025 13:36

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT1-2025



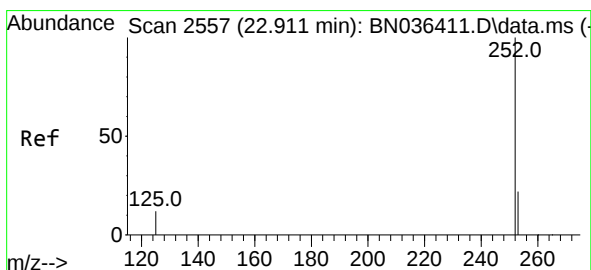
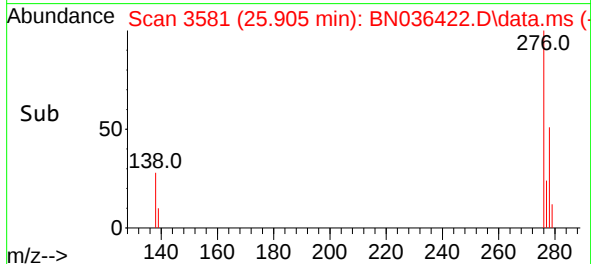
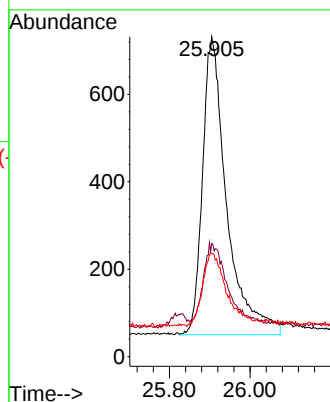
Tgt Ion:276 Resp: 2837

Ion Ratio Lower Upper

276 100

138 24.2 22.2 33.2

277 24.6 19.8 29.6



#37

Benzo(b)fluoranthene

Concen: 0.111 ng

RT: 22.917 min Scan# 2559

Delta R.T. 0.006 min

Lab File: BN036422.D

Acq: 11 Feb 2025 13:36

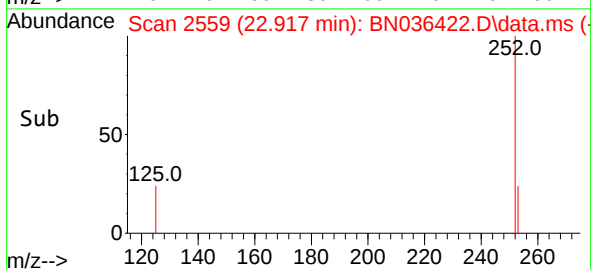
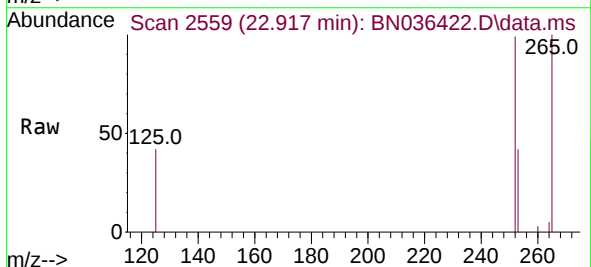
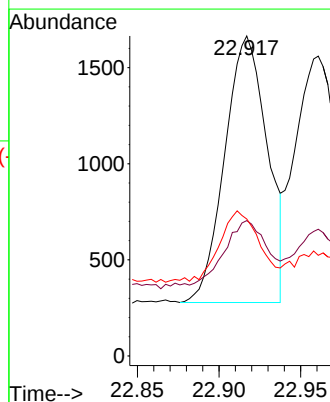
Tgt Ion:252 Resp: 2512

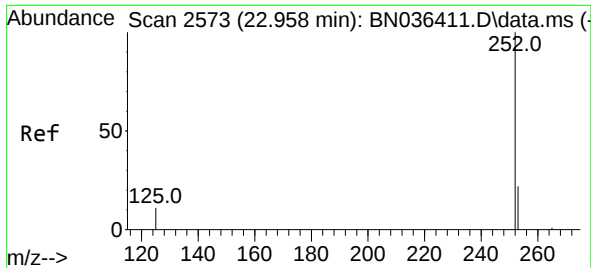
Ion Ratio Lower Upper

252 100

253 42.3 21.9 32.9#

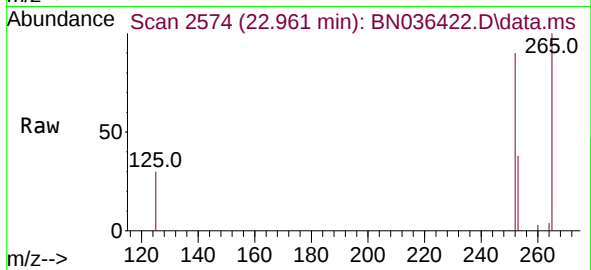
125 42.8 15.0 22.6#



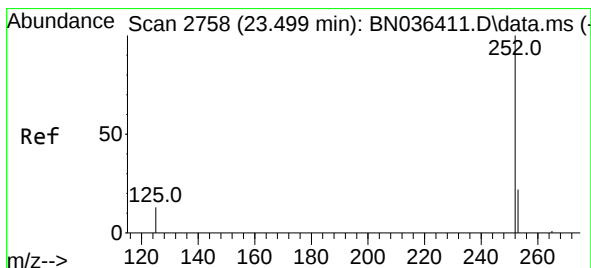
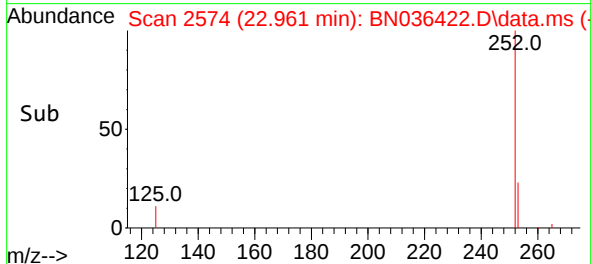
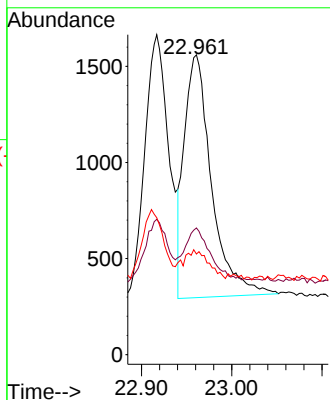


#38
Benzo(k)fluoranthene
Concen: 0.114 ng
RT: 22.961 min Scan# 2574
Delta R.T. 0.003 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Instrument :
BNA_N
ClientSampleId :
LOQ-WATER-02-QT1-2025

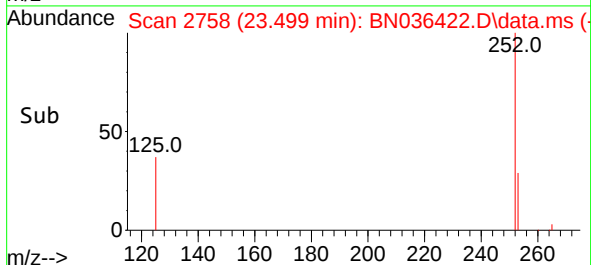
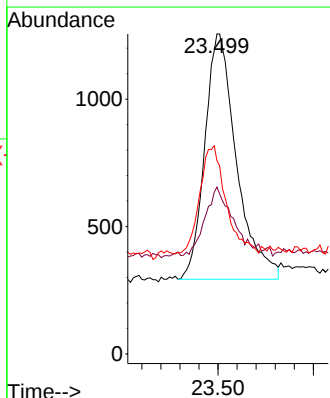
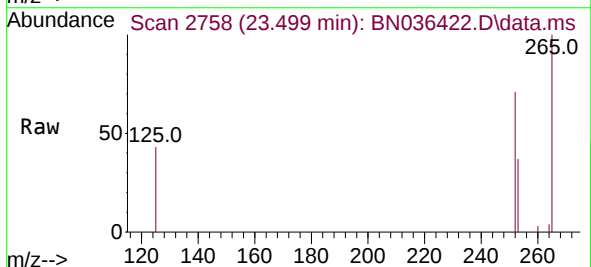


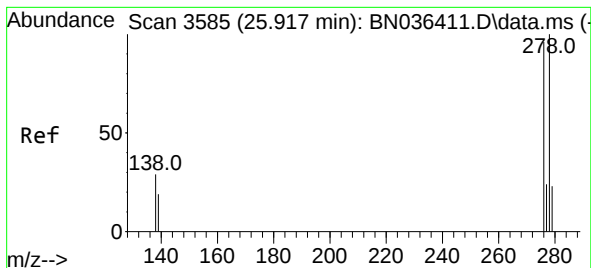
Tgt Ion:252 Resp: 2650
Ion Ratio Lower Upper
252 100
253 42.2 22.2 33.4#
125 33.6 15.0 22.4#



#39
Benzo(a)pyrene
Concen: 0.113 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.000 min
Lab File: BN036422.D
Acq: 11 Feb 2025 13:36

Tgt Ion:252 Resp: 2227
Ion Ratio Lower Upper
252 100
253 52.1 24.4 36.6#
125 60.4 18.2 27.2#





#40

Dibenzo(a,h)anthracene

Concen: 0.107 ng

RT: 25.925 min Scan# 31

Delta R.T. 0.009 min

Lab File: BN036422.D

Acq: 11 Feb 2025 13:36

Instrument :

BNA_N

ClientSampleId :

LOQ-WATER-02-QT1-2025

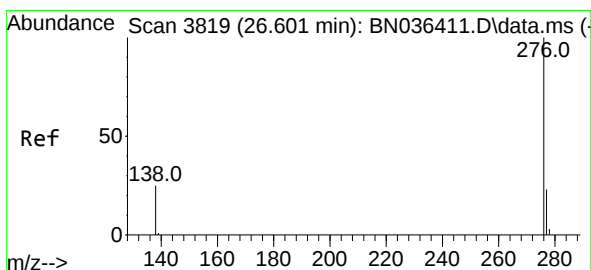
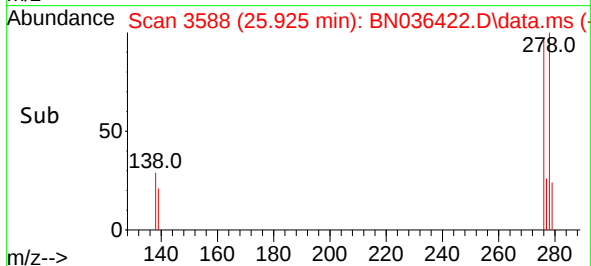
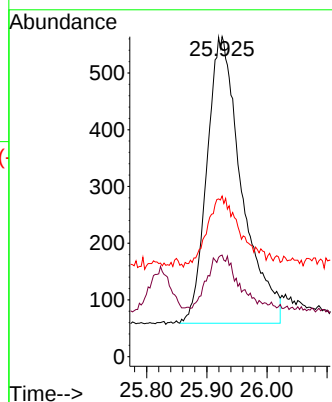
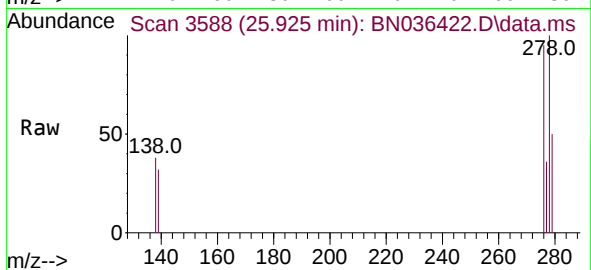
Tgt Ion:278 Resp: 2025

Ion Ratio Lower Upper

278 100

139 31.7 18.5 27.7#

279 50.2 24.8 37.2#



#41

Benzo(g,h,i)perylene

Concen: 0.112 ng

RT: 26.607 min Scan# 3821

Delta R.T. 0.006 min

Lab File: BN036422.D

Acq: 11 Feb 2025 13:36

Tgt Ion:276 Resp: 2406

Ion Ratio Lower Upper

276 100

277 31.9 20.7 31.1#

138 33.0 21.8 32.6#

