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 Data File : BN037638.D
 Acq On : 20 Aug 2025 19:58
 Operator : RC/JU
 Sample : Q2885-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-20250814

Quant Time: Aug 21 04:57:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 13 05:00:58 2025
 Response via : Initial Calibration

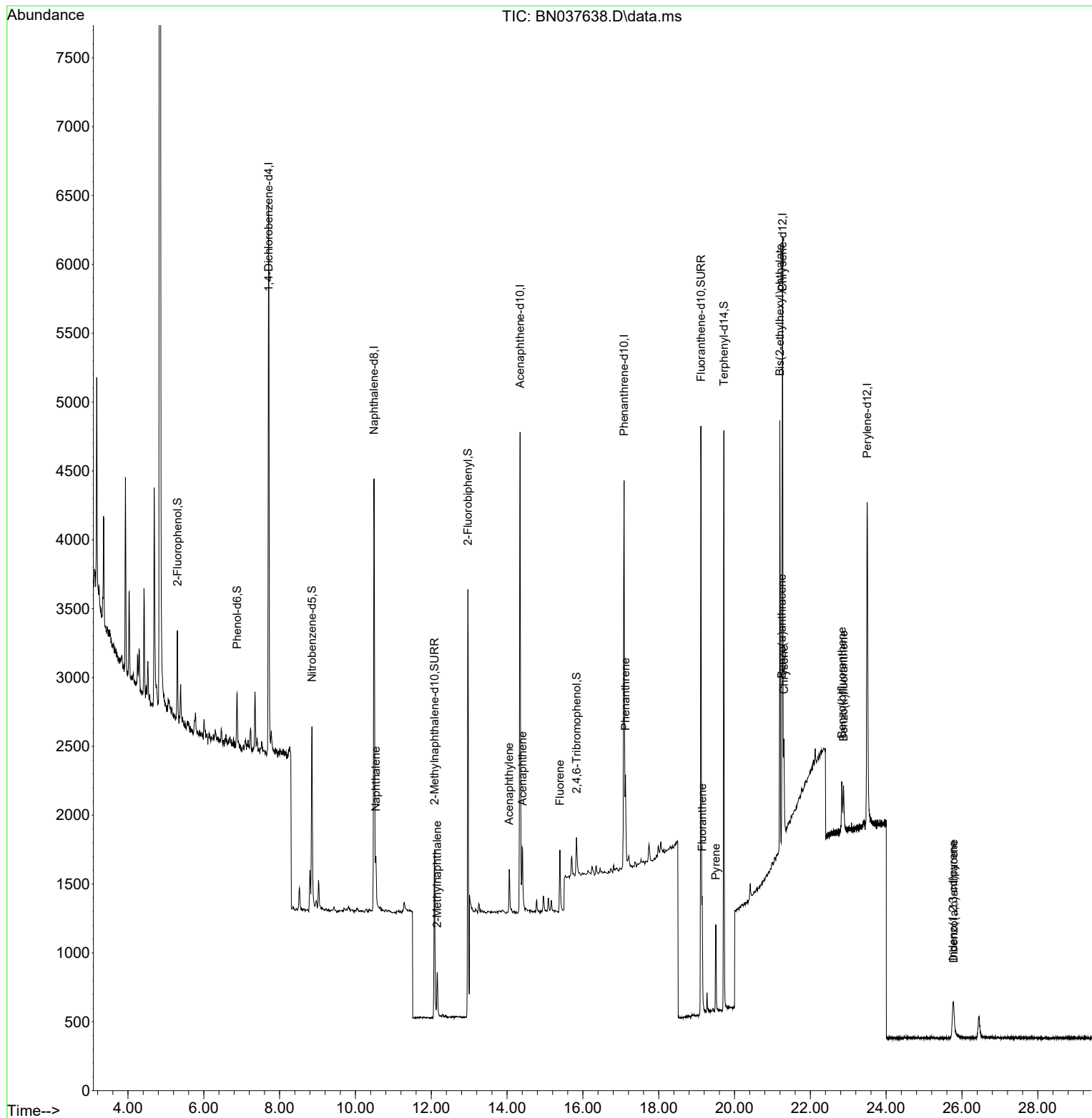
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	1991	0.400	ng	0.00
7) Naphthalene-d8	10.488	136	4567	0.400	ng	#-0.01
13) Acenaphthene-d10	14.345	164	2148	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4480	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4020	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	3442	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	503	0.111	ng	0.00
5) Phenol-d6	6.879	99	358	0.066	ng	0.00
8) Nitrobenzene-d5	8.854	82	1203	0.374	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	1865	0.300	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	207	0.220	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	4410	0.355	ng	0.00
27) Fluoranthene-d10	19.113	212	4875	0.414	ng	0.00
31) Terphenyl-d14	19.717	244	3972	0.480	ng	0.00
Target Compounds						
9) Naphthalene	10.541	128	463	0.038	ng	# 68
12) 2-Methylnaphthalene	12.157	142	249	0.033	ng	# 88
16) Acenaphthylene	14.056	152	396	0.041	ng	97
17) Acenaphthene	14.409	154	234	0.036	ng	99
18) Fluorene	15.393	166	362	0.042	ng	99
25) Phenanthrene	17.124	178	670	0.049	ng	97
28) Fluoranthene	19.146	202	652	0.042	ng	# 82
30) Pyrene	19.508	202	589	0.039	ng	99
32) Benzo(a)anthracene	21.250	228	286	0.021	ng	# 69
33) Chrysene	21.304	228	549	0.037	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.196	149	2701	0.487	ng	99
36) Indeno(1,2,3-cd)pyrene	25.759	276	424	0.029	ng	# 80
37) Benzo(b)fluoranthene	22.832	252	474	0.036	ng	# 13
38) Benzo(k)fluoranthene	22.876	252	437	0.030	ng	# 9
40) Dibenzo(a,h)anthracene	25.785	278	277	0.025	ng	# 4

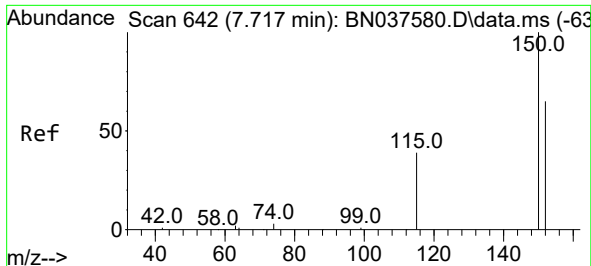
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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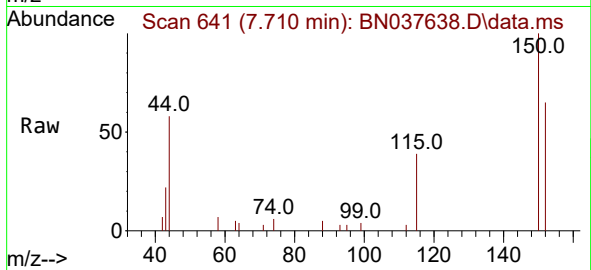
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



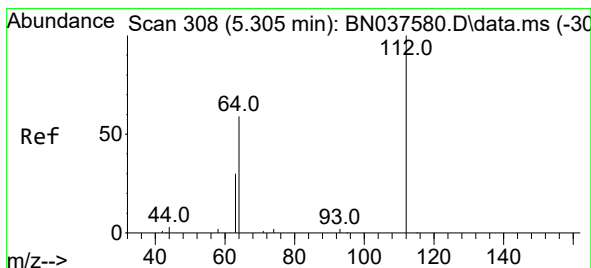
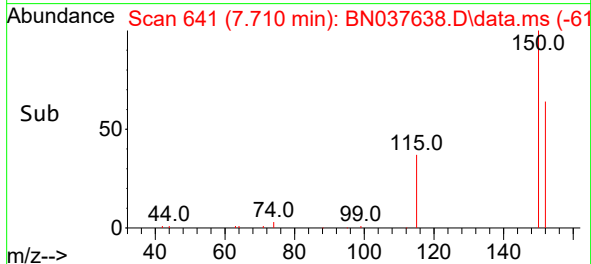
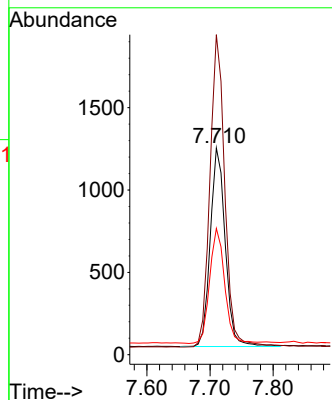


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 641
Delta R.T. -0.007 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

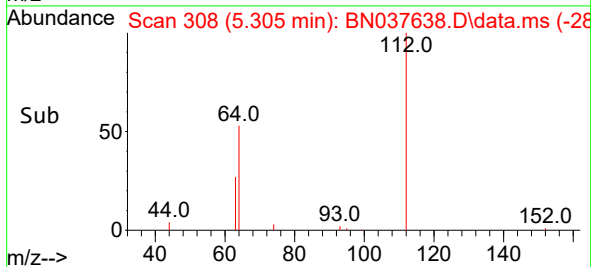
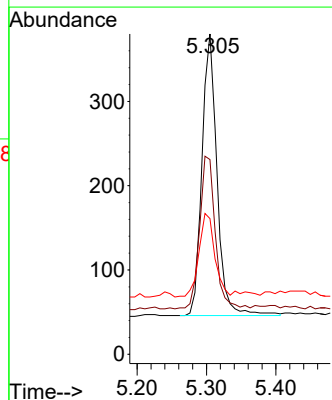
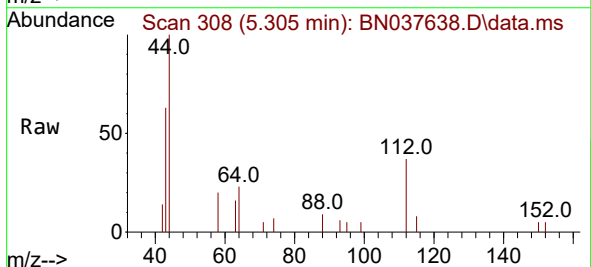


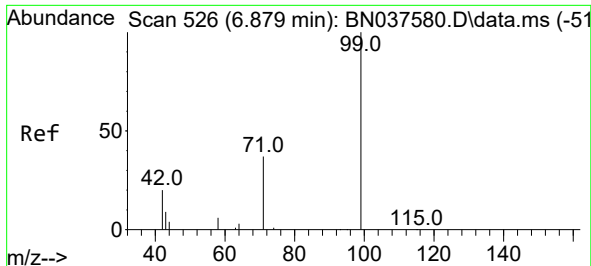
Tgt Ion:152 Resp: 1991
Ion Ratio Lower Upper
152 100
150 154.8 122.2 183.4
115 61.1 49.8 74.6



#4
2-Fluorophenol
Concen: 0.111 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

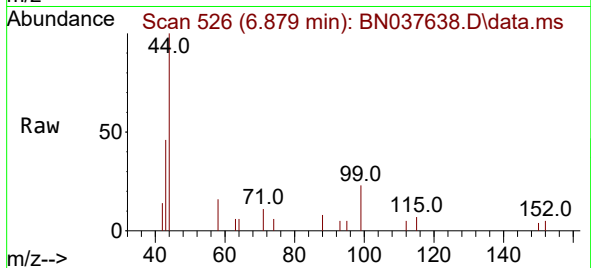
Tgt Ion:112 Resp: 503
Ion Ratio Lower Upper
112 100
64 56.5 44.9 67.3
63 31.2 23.4 35.2



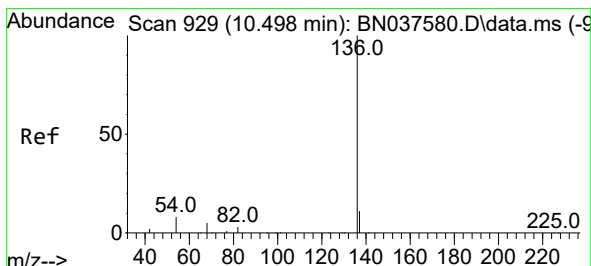
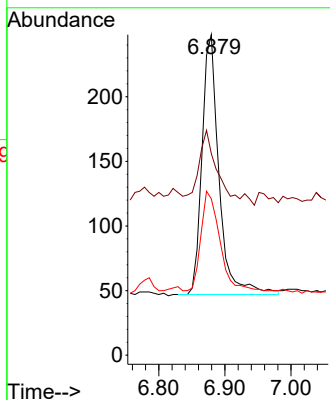
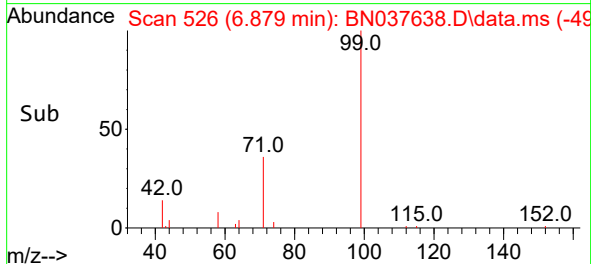


#5
Phenol-d6
Concen: 0.066 ng
RT: 6.879 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

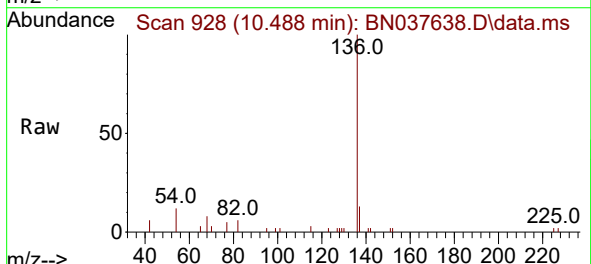
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814



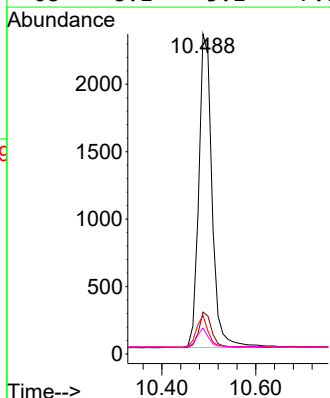
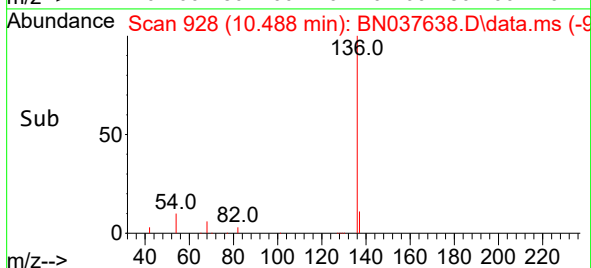
Tgt Ion: 99 Resp: 358
Ion Ratio Lower Upper
99 100
42 33.8 18.5 27.7#
71 45.8 28.6 42.8#

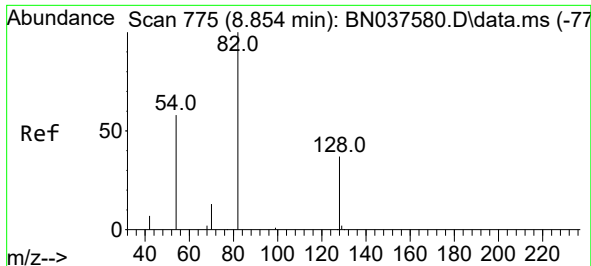


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.488 min Scan# 928
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58



Tgt Ion: 136 Resp: 4567
Ion Ratio Lower Upper
136 100
137 13.1 9.5 14.3
54 12.0 7.3 10.9#
68 8.1 5.1 7.7#

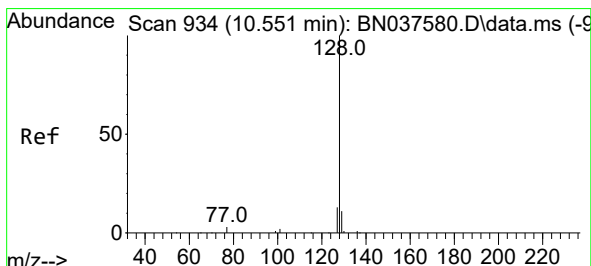
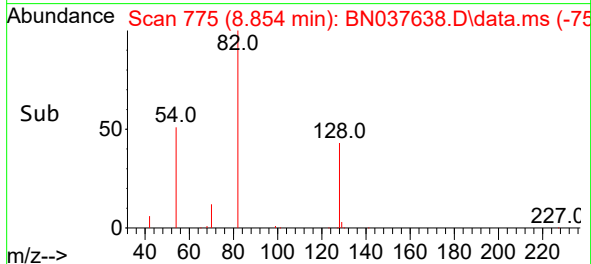
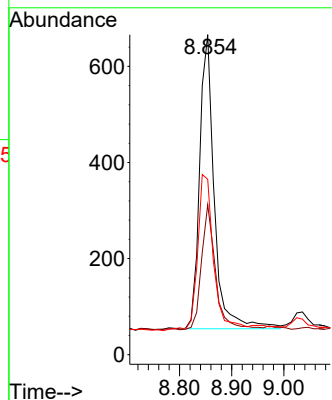
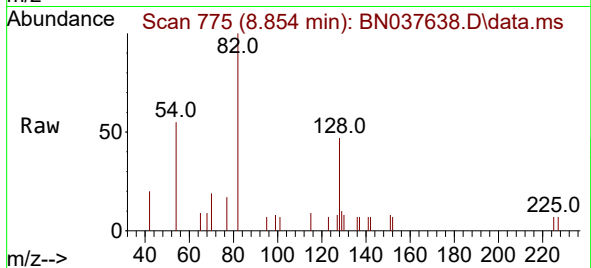




#8
Nitrobenzene-d5
Concen: 0.374 ng
RT: 8.854 min Scan# 71
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

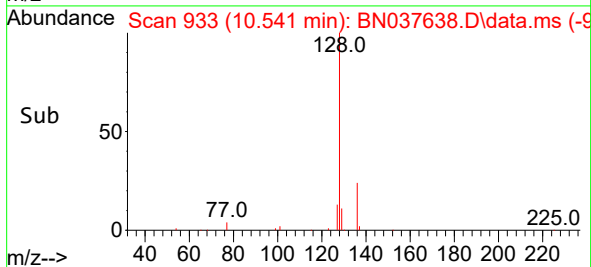
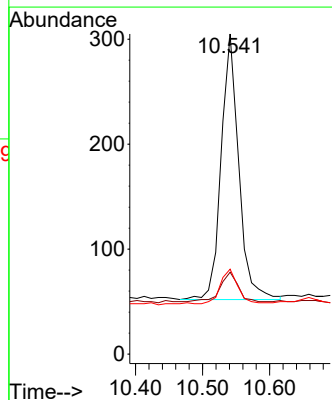
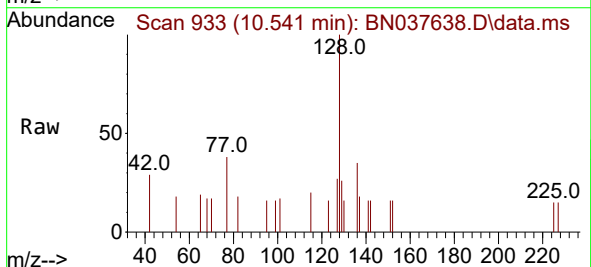
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

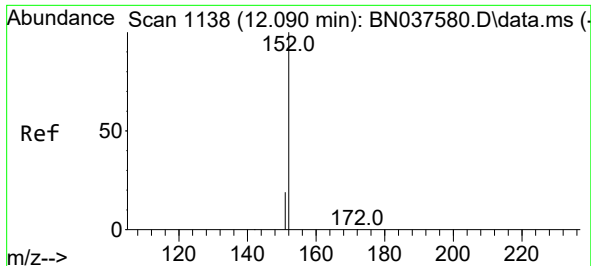
Tgt Ion: 82 Resp: 1203
Ion Ratio Lower Upper
82 100
128 46.8 32.6 48.8
54 54.8 48.9 73.3



#9
Naphthalene
Concen: 0.038 ng
RT: 10.541 min Scan# 933
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Tgt Ion: 128 Resp: 463
Ion Ratio Lower Upper
128 100
129 25.6 9.8 14.6#
127 26.6 11.5 17.3#





#11

2-Methylnaphthalene-d10

Concen: 0.300 ng

RT: 12.086 min Scan# 1137

Delta R.T. -0.005 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

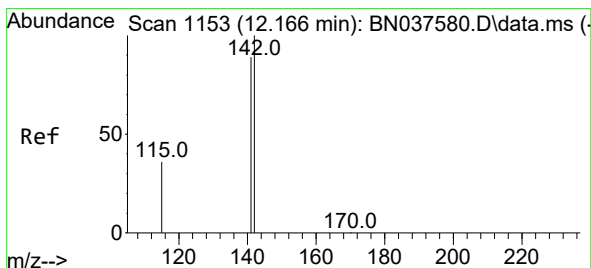
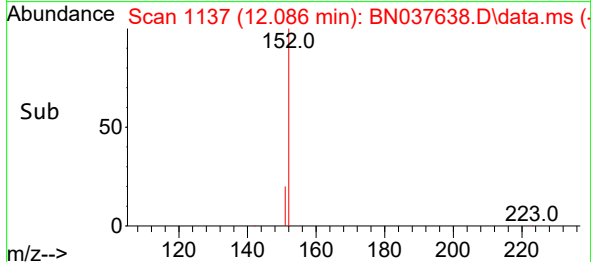
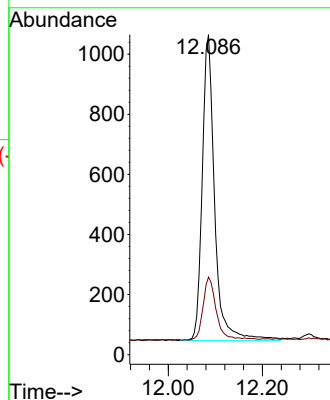
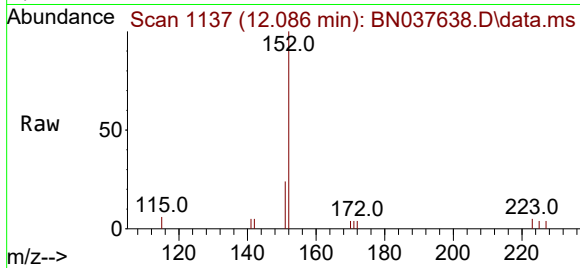
RW5-SP201-20250814

Tgt Ion:152 Resp: 1865

Ion Ratio Lower Upper

152 100

151 21.8 17.3 25.9



#12

2-Methylnaphthalene

Concen: 0.033 ng

RT: 12.157 min Scan# 1151

Delta R.T. -0.010 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

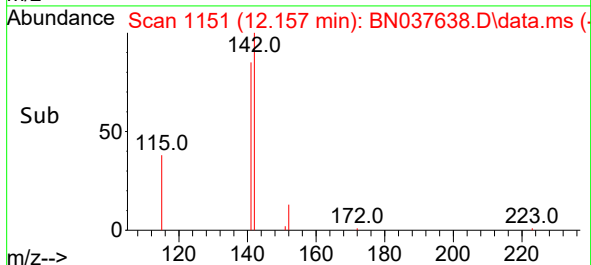
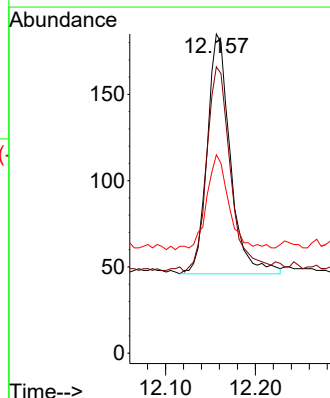
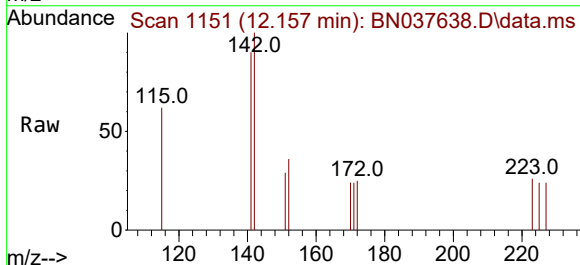
Tgt Ion:142 Resp: 249

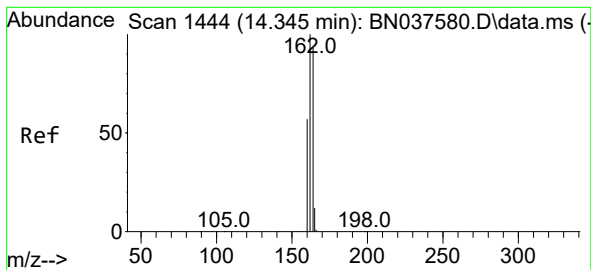
Ion Ratio Lower Upper

142 100

141 89.7 71.4 107.0

115 62.2 30.2 45.4#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.345 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

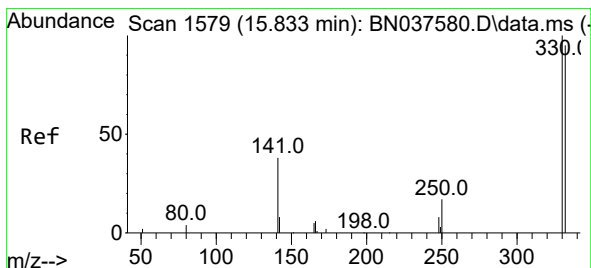
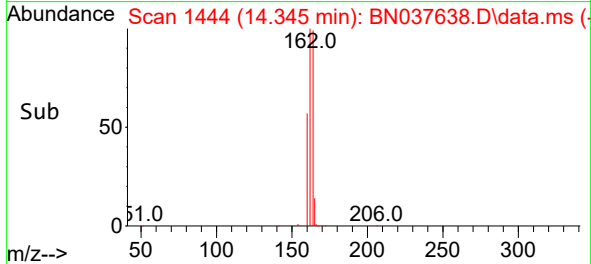
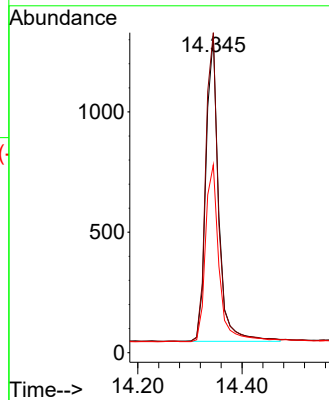
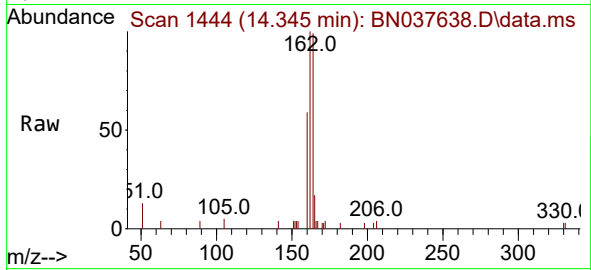
Tgt Ion:164 Resp: 2148

Ion Ratio Lower Upper

164 100

162 101.0 85.5 128.3

160 59.3 49.5 74.3



#14

2,4,6-Tribromophenol

Concen: 0.220 ng

RT: 15.833 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

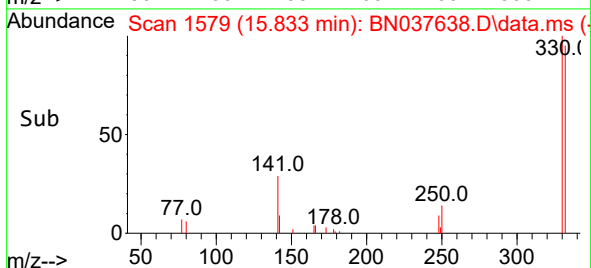
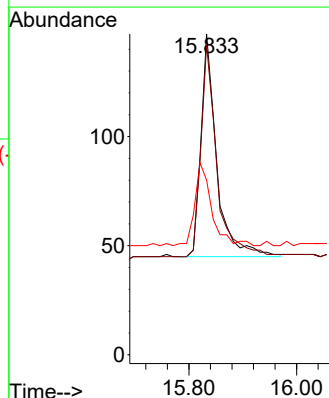
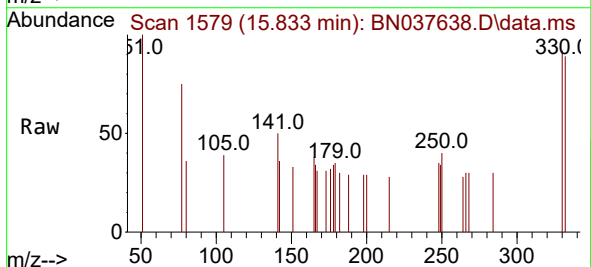
Tgt Ion:330 Resp: 207

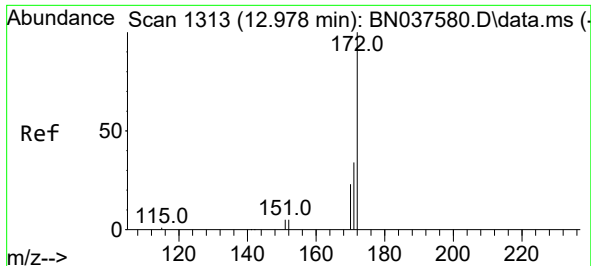
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.0

141 40.1 30.9 46.3

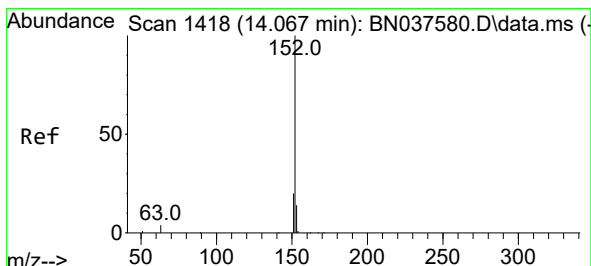
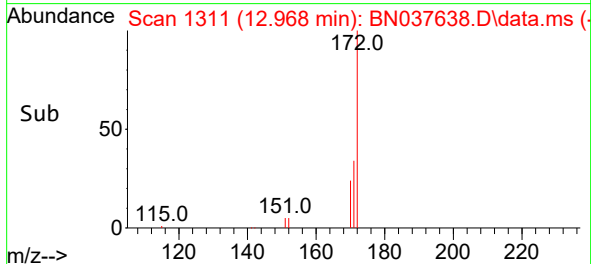
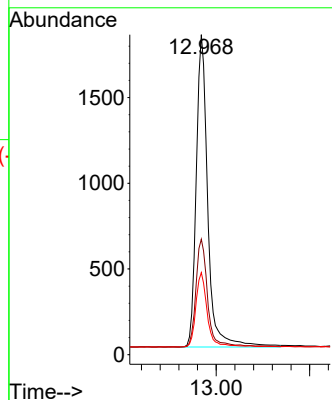
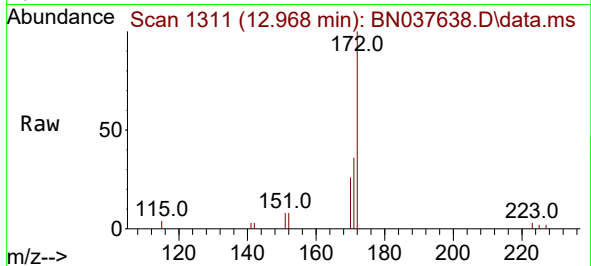




#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 12.968 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

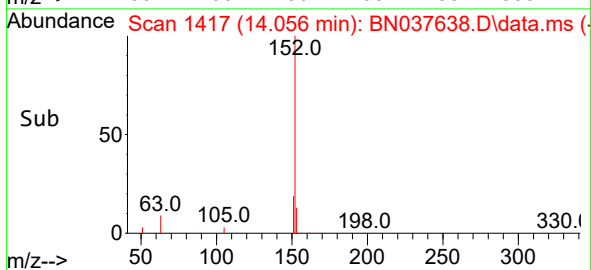
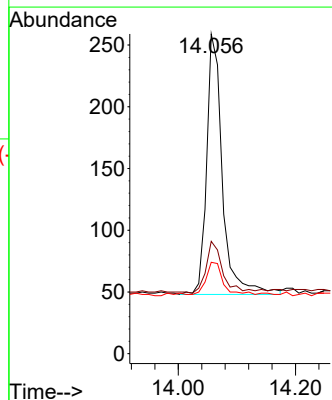
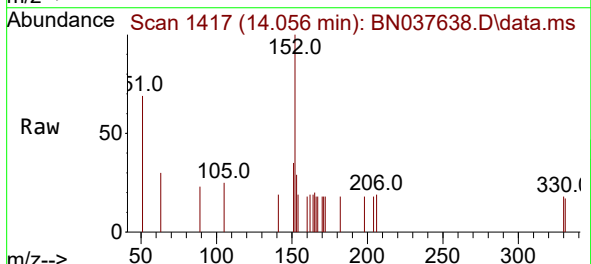
Instrument :
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RW5-SP201-20250814

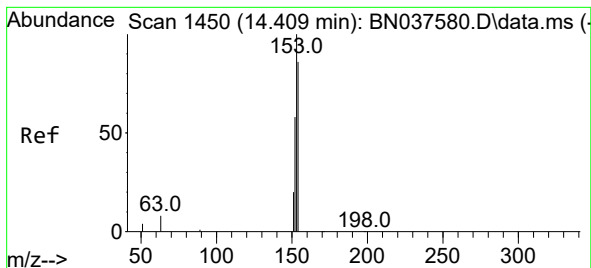
Tgt Ion:	172	Resp:	4410
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	25.7	19.2	28.8



#16
Acenaphthylene
Concen: 0.041 ng
RT: 14.056 min Scan# 1417
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Tgt Ion:	152	Resp:	396
Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.1	24.1
153	15.2	10.7	16.1





#17

Acenaphthene

Concen: 0.036 ng

RT: 14.409 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

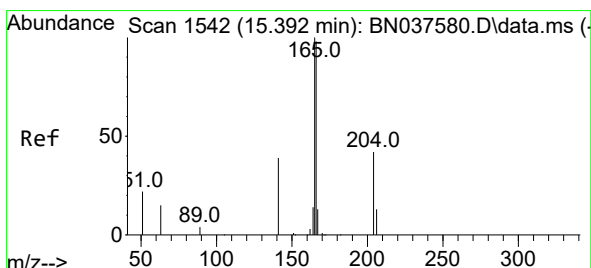
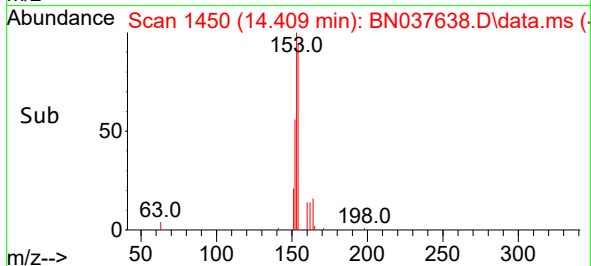
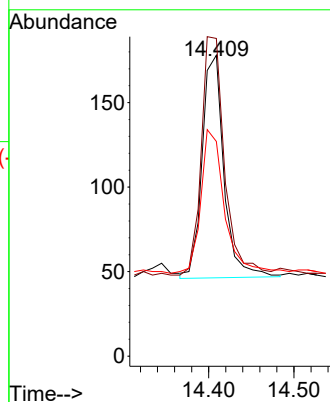
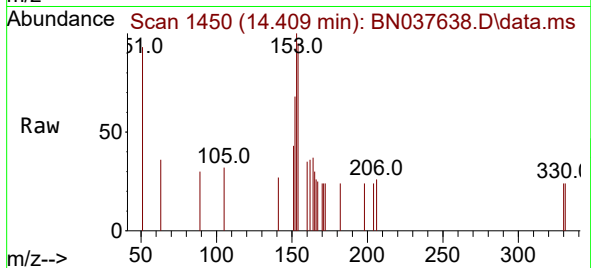
Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

Tgt Ion:	154	Resp:	234
Ion	Ratio	Lower	Upper
154	100		
153	113.7	90.6	135.8
152	70.1	54.9	82.3



#18

Fluorene

Concen: 0.042 ng

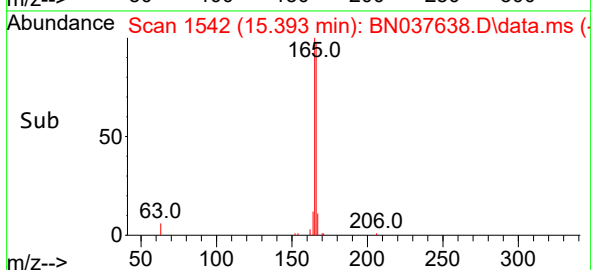
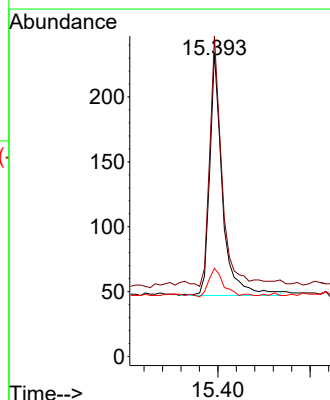
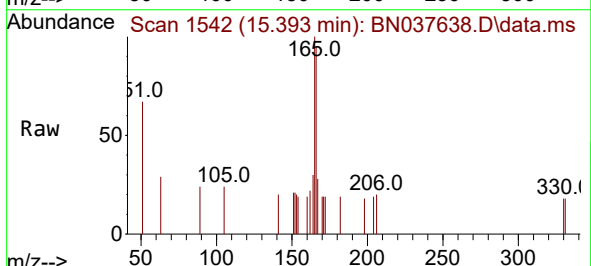
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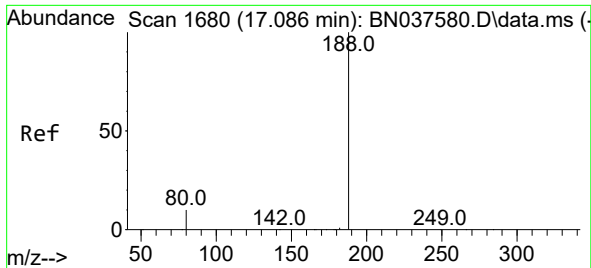
Delta R.T. 0.000 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Tgt Ion:	166	Resp:	362
Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.9	118.3
167	14.4	10.7	16.1

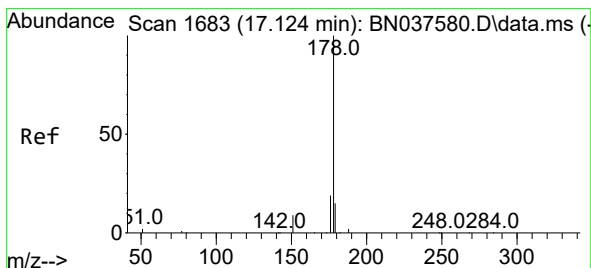
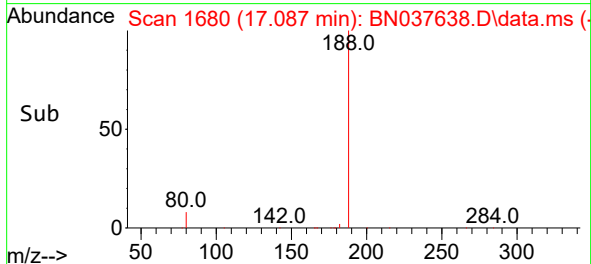
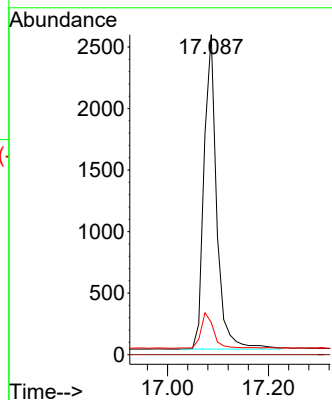
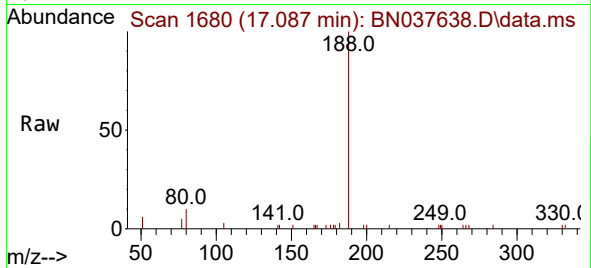




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

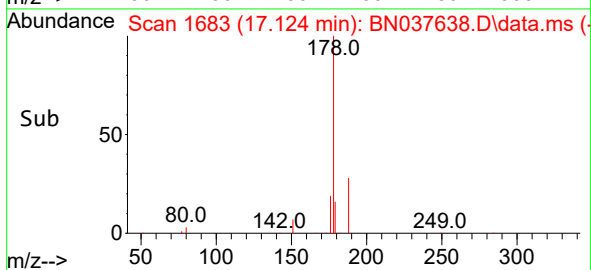
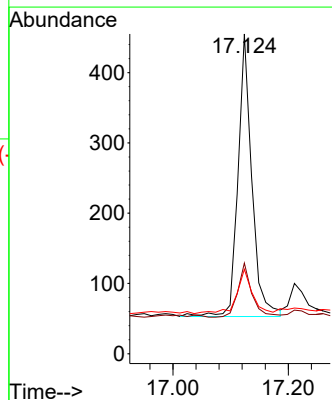
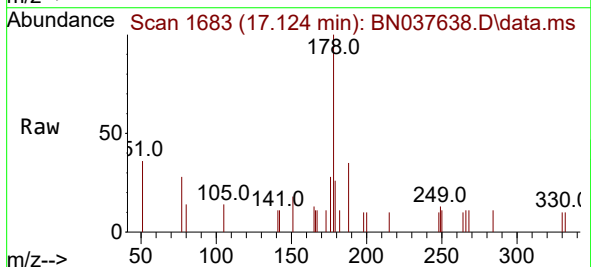
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

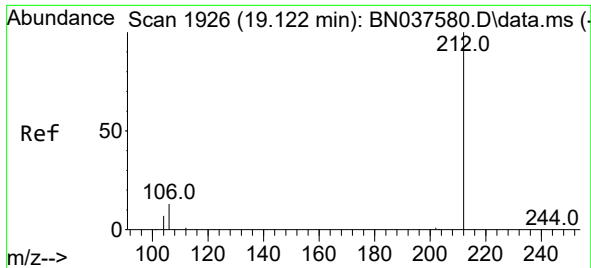
Tgt Ion:188 Resp: 4480
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.0 9.1 13.7



#25
Phenanthrene
Concen: 0.049 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Tgt Ion:178 Resp: 670
Ion Ratio Lower Upper
178 100
176 19.4 15.0 22.6
179 17.5 12.3 18.5

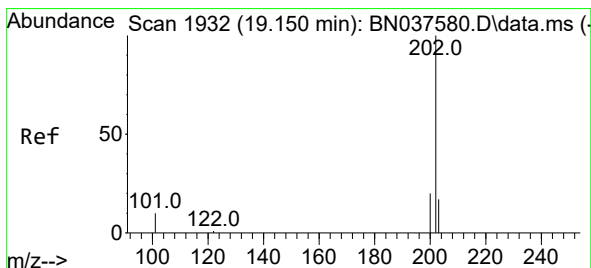
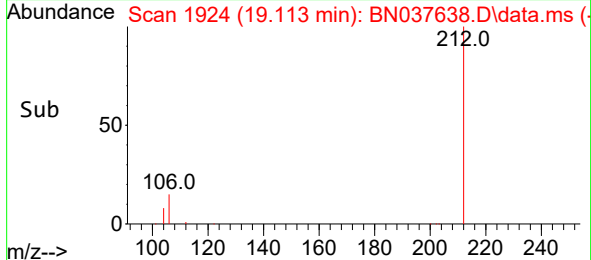
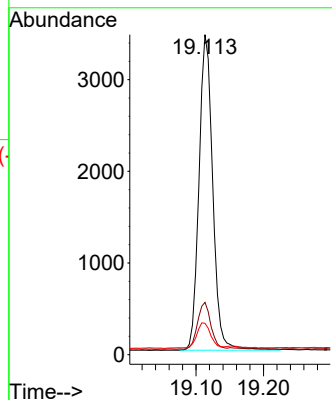
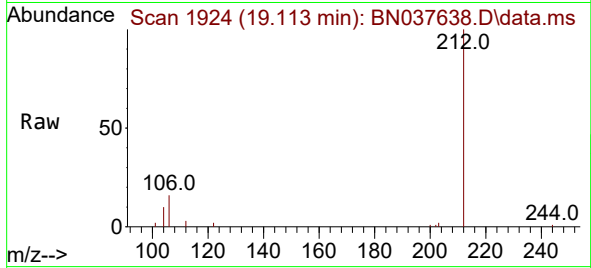




#27
Fluoranthene-d10
Concen: 0.414 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

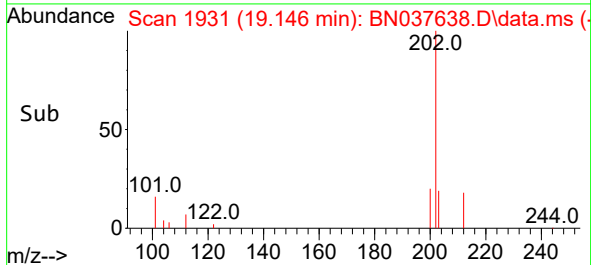
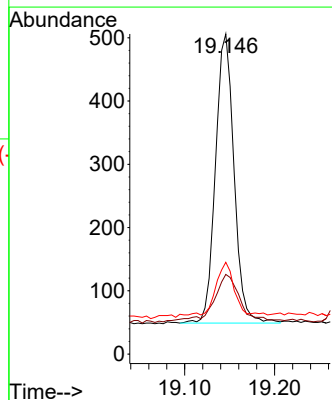
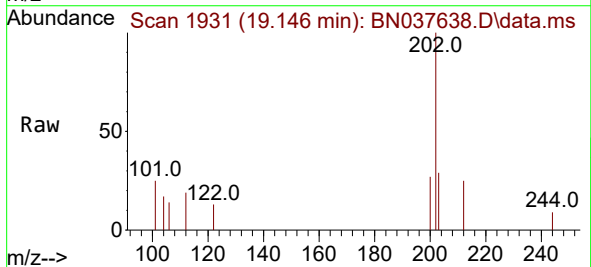
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

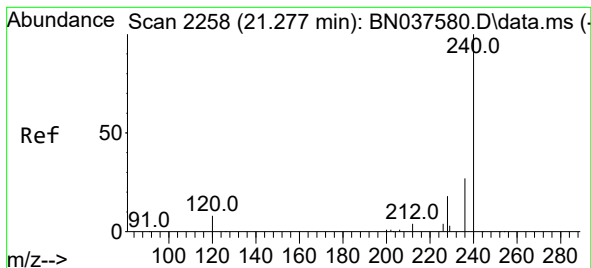
Tgt Ion:212 Resp: 4875
Ion Ratio Lower Upper
212 100
106 14.4 11.5 17.3
104 8.4 6.6 9.8



#28
Fluoranthene
Concen: 0.042 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Tgt Ion:202 Resp: 652
Ion Ratio Lower Upper
202 100
101 24.5 9.0 13.6#
203 20.2 13.8 20.8





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.268 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

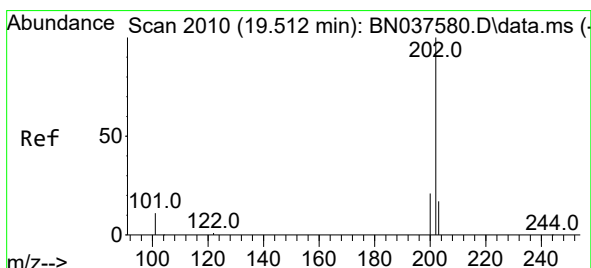
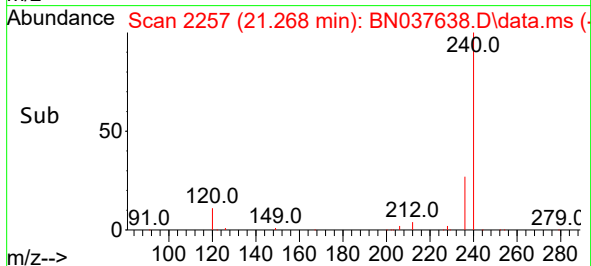
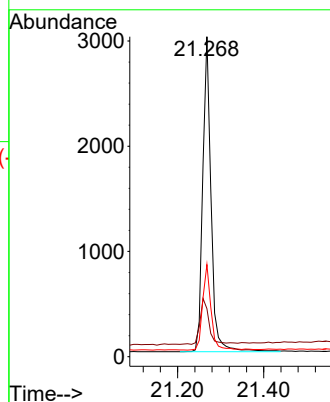
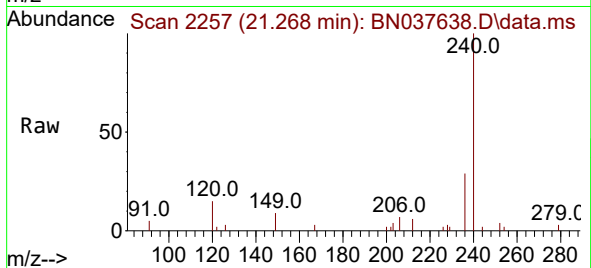
Tgt Ion:240 Resp: 4020

Ion Ratio Lower Upper

240 100

120 15.0 8.9 13.3#

236 28.8 22.6 33.8



#30

Pyrene

Concen: 0.039 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.004 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

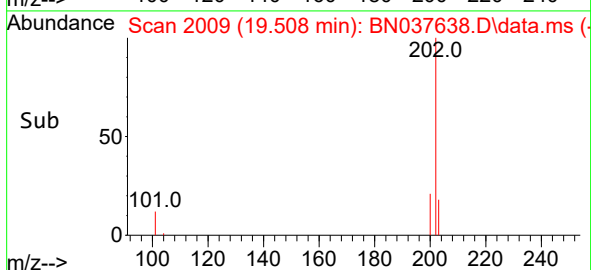
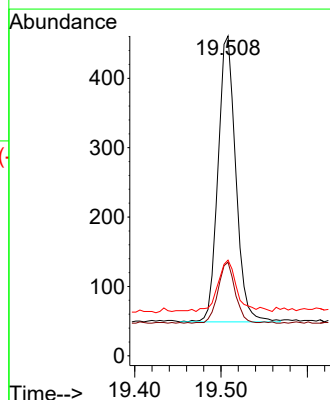
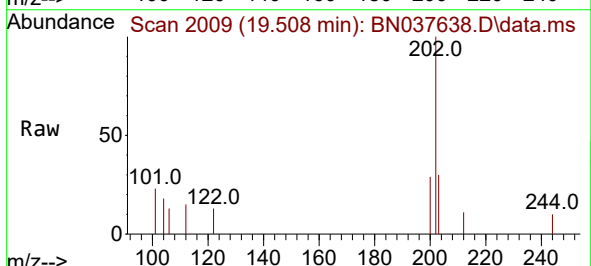
Tgt Ion:202 Resp: 589

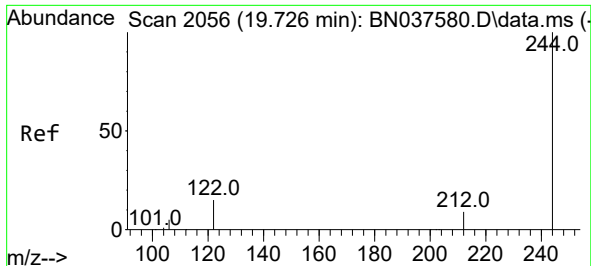
Ion Ratio Lower Upper

202 100

200 20.7 16.6 25.0

203 18.8 14.3 21.5

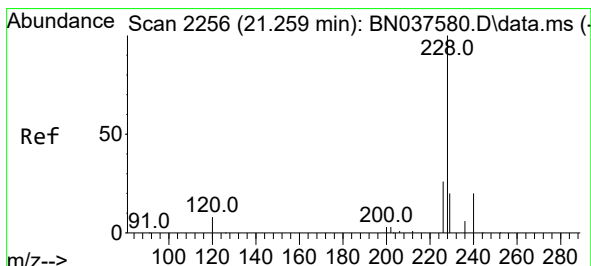
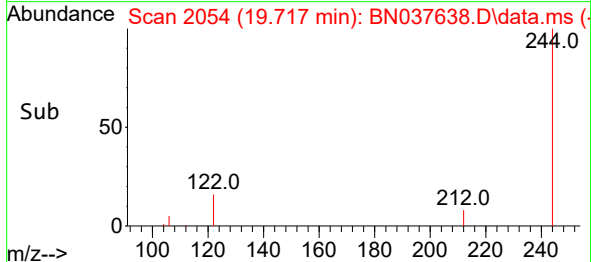
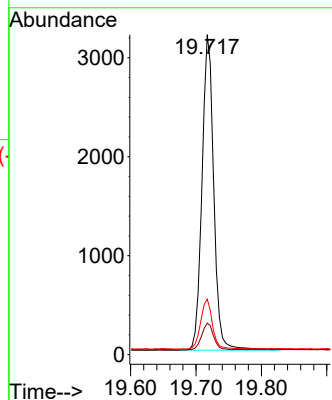
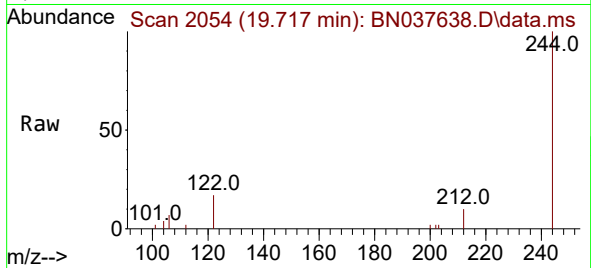




#31
 Terphenyl-d14
 Concen: 0.480 ng
 RT: 19.717 min Scan# 2054
 Delta R.T. -0.009 min
 Lab File: BN037638.D
 Acq: 20 Aug 2025 19:58

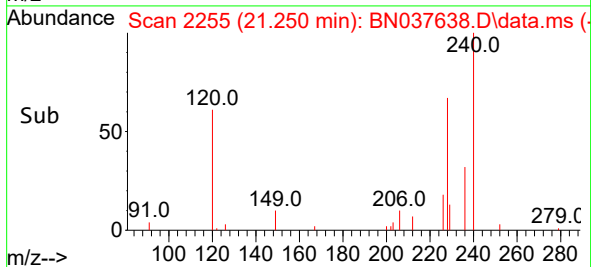
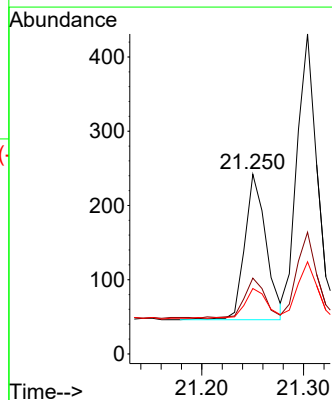
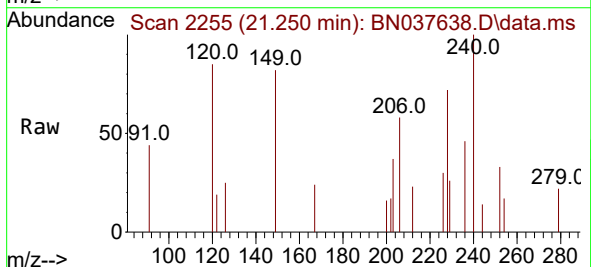
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-20250814

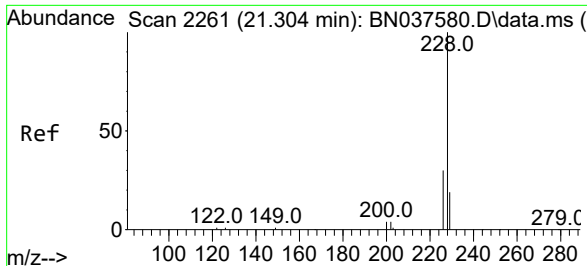
Tgt Ion:244 Resp: 3972
 Ion Ratio Lower Upper
 244 100
 212 9.9 8.2 12.2
 122 17.4 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.021 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.009 min
 Lab File: BN037638.D
 Acq: 20 Aug 2025 19:58

Tgt Ion:228 Resp: 286
 Ion Ratio Lower Upper
 228 100
 226 42.1 21.5 32.3#
 229 36.4 16.5 24.7#





#33

Chrysene

Concen: 0.037 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

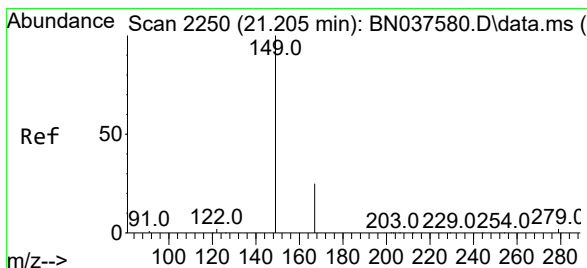
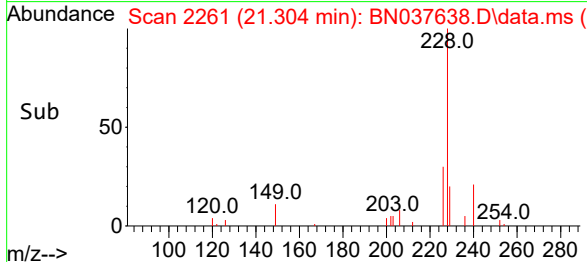
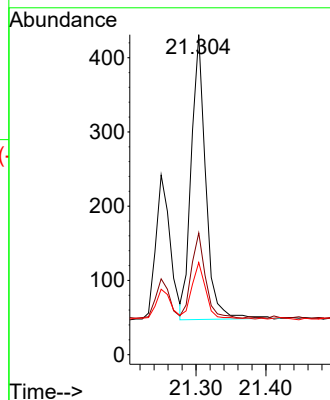
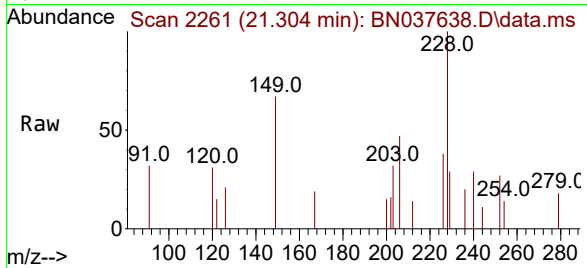
Tgt Ion:228 Resp: 549

Ion Ratio Lower Upper

228 100

226 38.1 24.9 37.3#

229 28.8 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.487 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

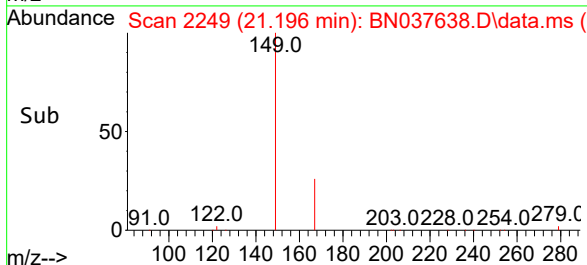
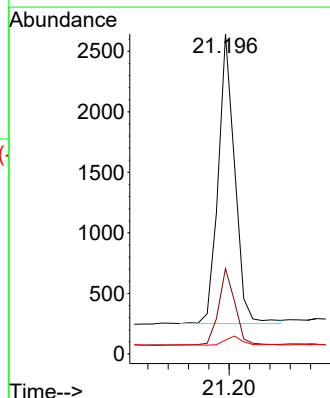
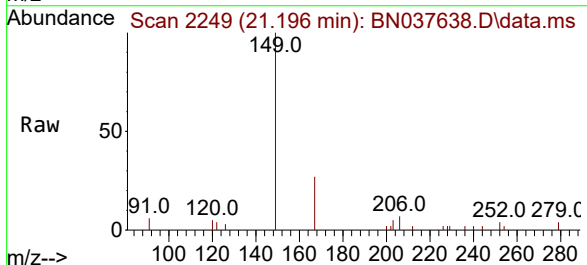
Tgt Ion:149 Resp: 2701

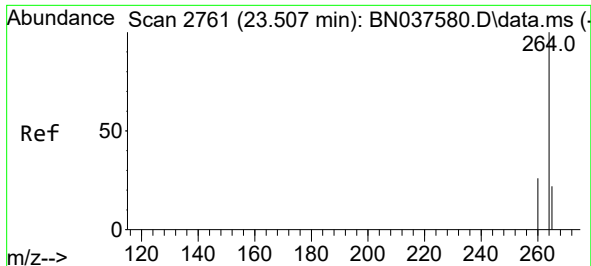
Ion Ratio Lower Upper

149 100

167 26.0 20.5 30.7

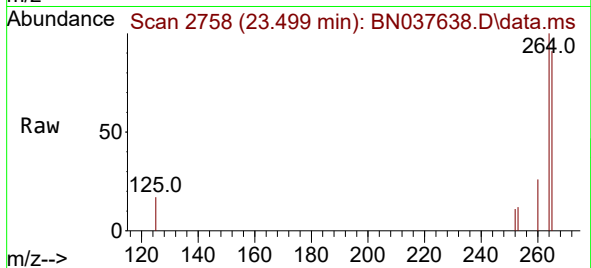
279 3.3 2.6 4.0



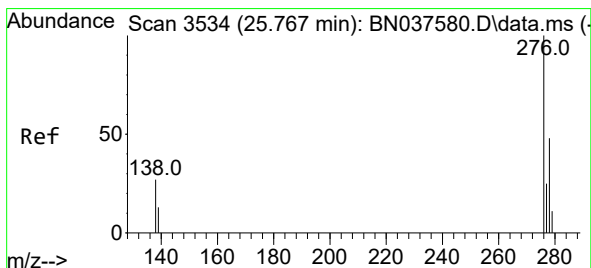
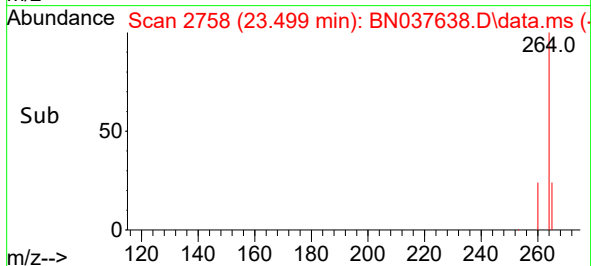
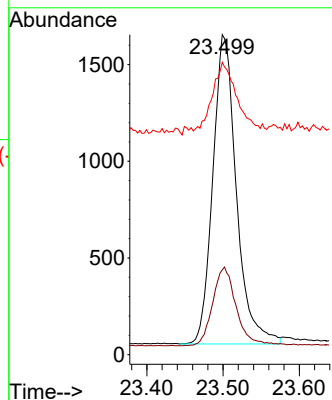


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

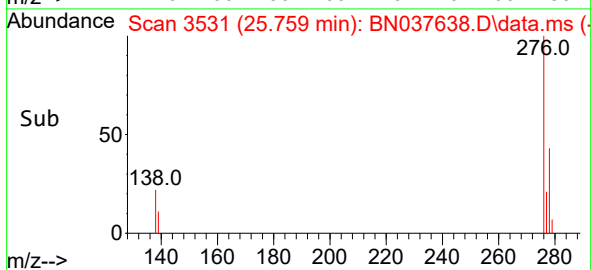
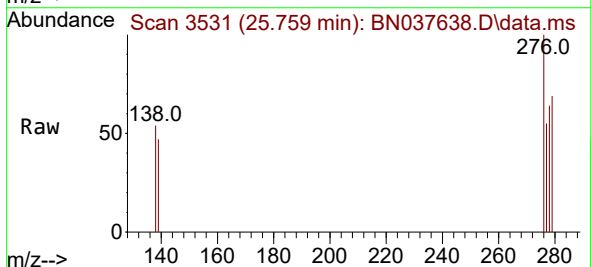
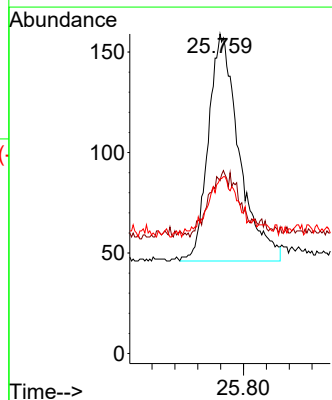


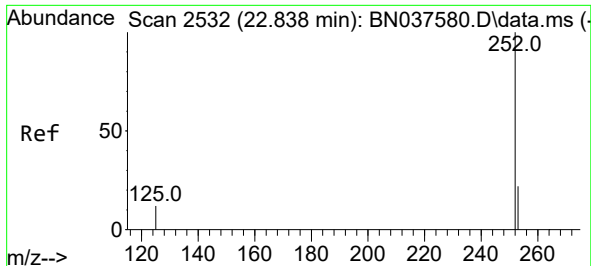
Tgt Ion:264 Resp: 3442
Ion Ratio Lower Upper
264 100
260 26.5 21.6 32.4
265 91.4 48.2 72.4#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.029 ng
RT: 25.759 min Scan# 3531
Delta R.T. -0.009 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Tgt Ion:276 Resp: 424
Ion Ratio Lower Upper
276 100
138 17.7 23.3 34.9#
277 14.9 19.5 29.3#





#37

Benzo(b)fluoranthene

Concen: 0.036 ng

RT: 22.832 min Scan# 2532

Delta R.T. -0.006 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

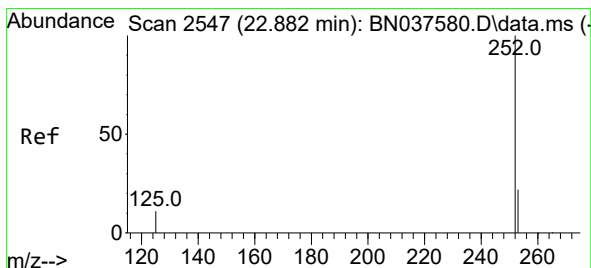
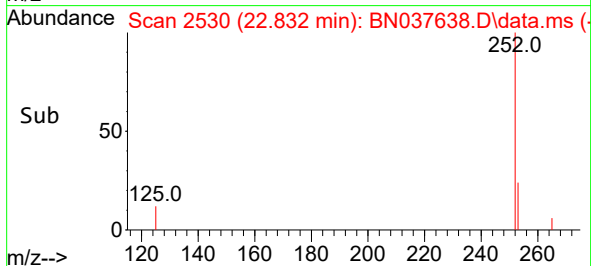
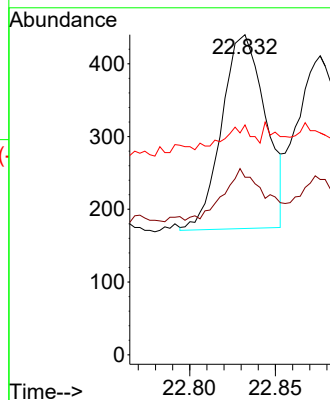
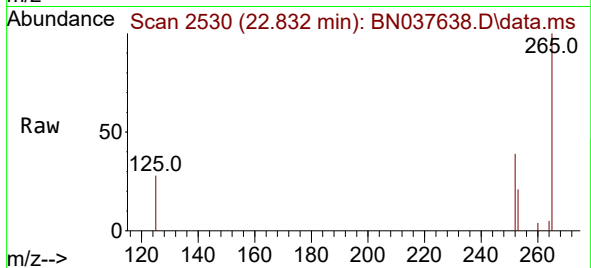
Tgt Ion:252 Resp: 474

Ion Ratio Lower Upper

252 100

253 55.5 20.0 30.0#

125 71.8 13.8 20.6#



#38

Benzo(k)fluoranthene

Concen: 0.030 ng

RT: 22.876 min Scan# 2545

Delta R.T. -0.006 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

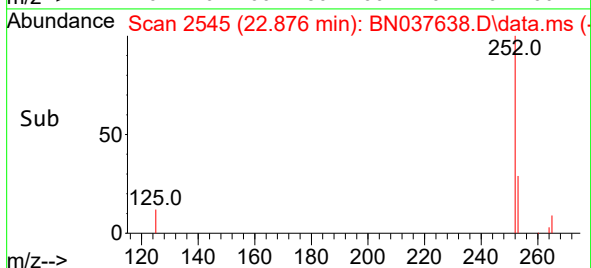
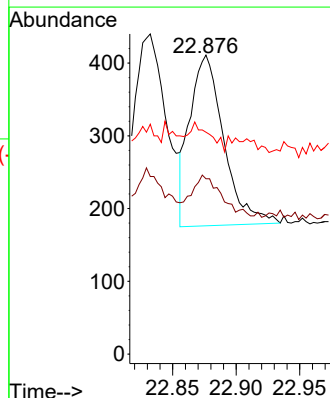
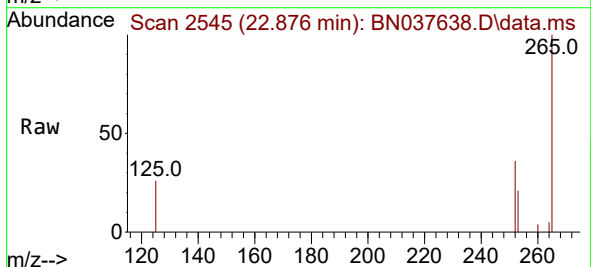
Tgt Ion:252 Resp: 437

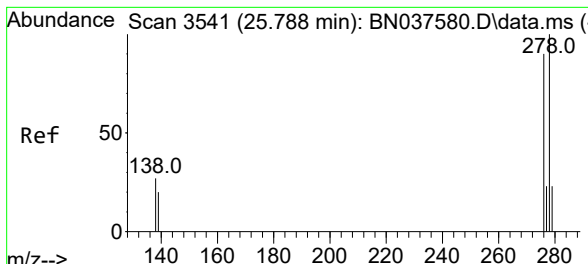
Ion Ratio Lower Upper

252 100

253 58.6 19.9 29.9#

125 74.2 15.0 22.6#





#40

Dibenzo(a,h)anthracene

Concen: 0.025 ng

RT: 25.785 min Scan# 3

Delta R.T. -0.003 min

Lab File: BN037638.D

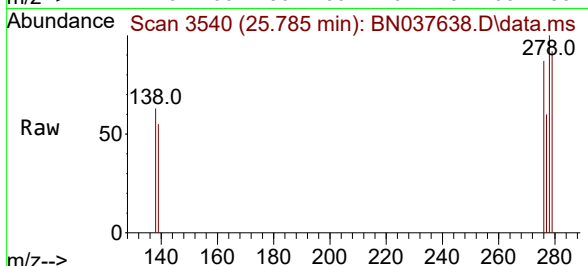
Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814



Tgt Ion:278 Resp: 277

Ion Ratio Lower Upper

278 100

139 54.9 18.3 27.5#

279 91.7 22.5 33.7#

