

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082025\
 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)

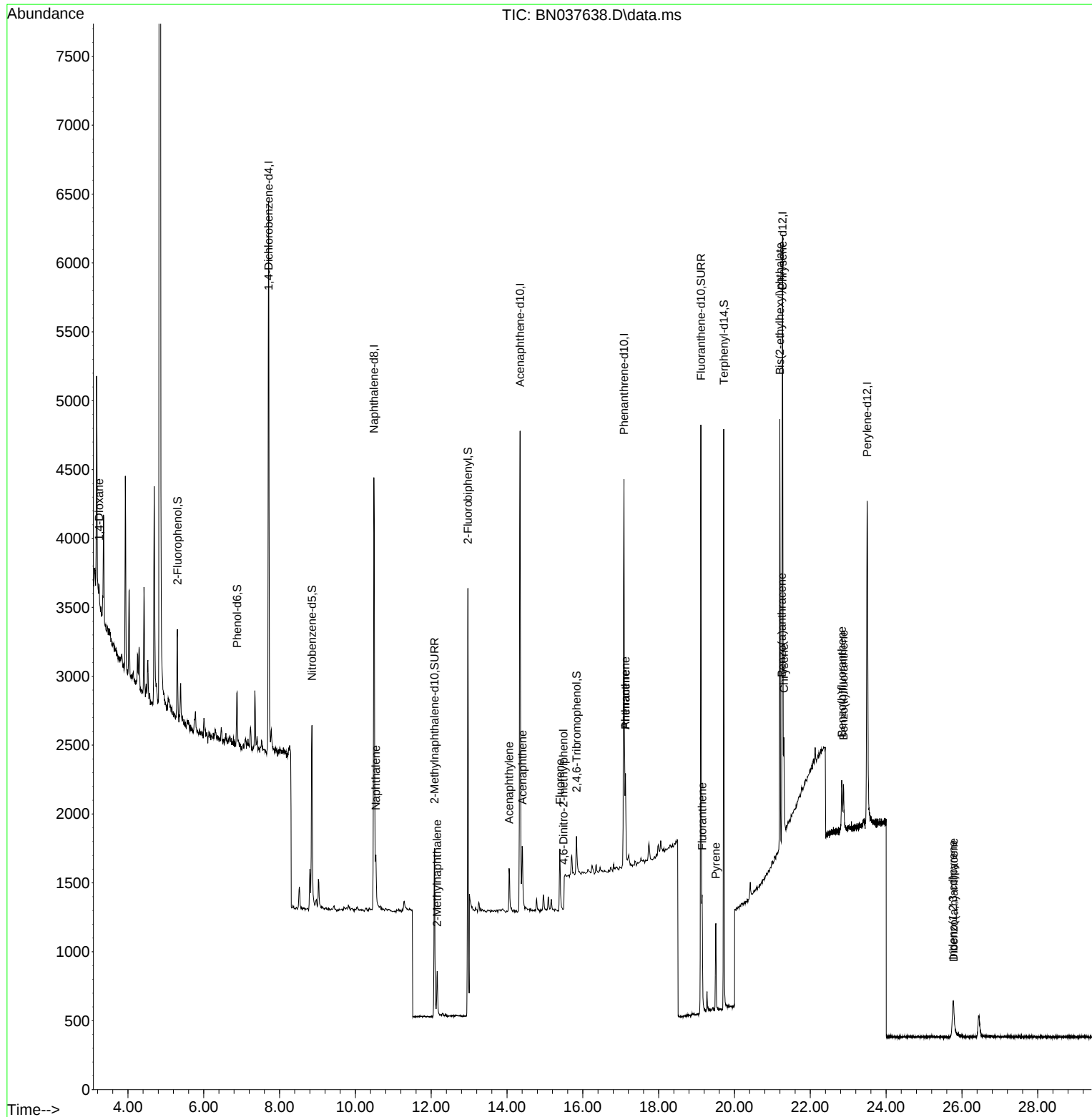
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	1991	0.400	ng	0.00
7) Naphthalene-d8	10.488	136	4567	0.400	ng	#-0.01
13) Acenaphthene-d10	14.345	164	2148	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4480	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4020	0.400	ng	# 0.00
35) Perylene-d12	23.499	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					Qvalue	
2) 1,4-Dioxane	3.239	88	60	0.031	ng	# 1
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
20) 4,6-Dinitro-2-methylph...	15.489	198	1	0.182	ng	# 1
25) Phenanthrene	17.124	178	670	0.049	ng	97
26) Anthracene	17.124	178	648	0.054	ng	98
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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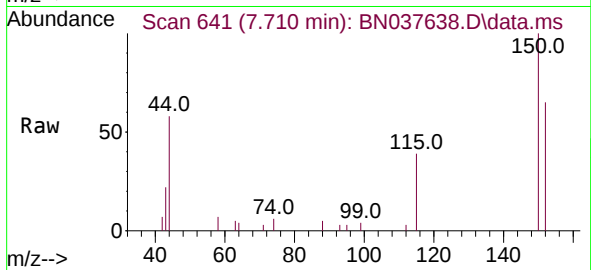
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



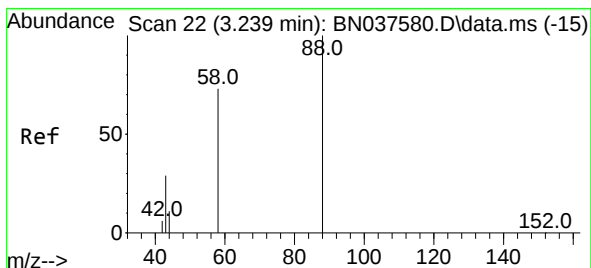
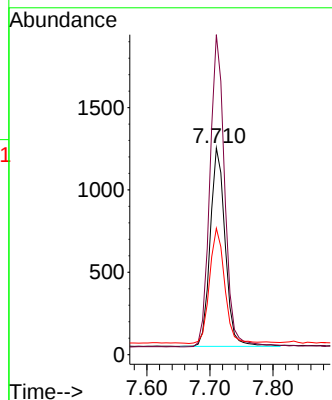
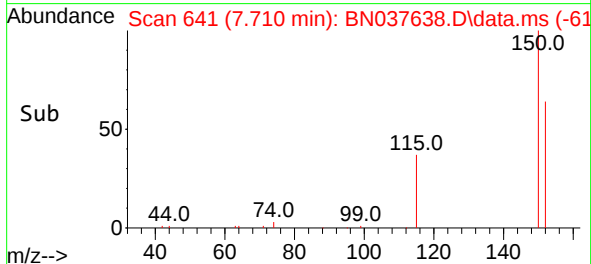


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN037638.D
 Acq: 20 Aug 2025 19:58

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-20250814

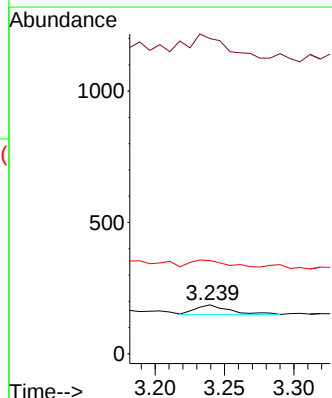
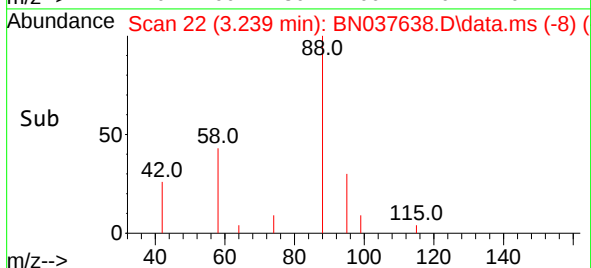
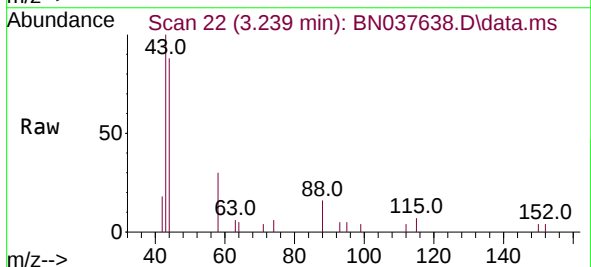


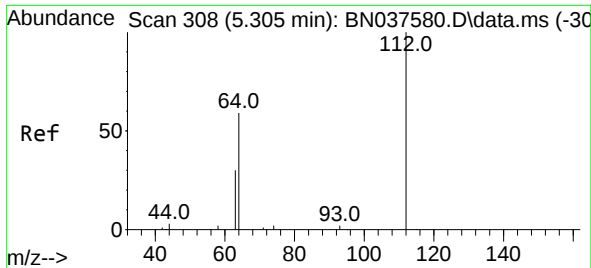
Tgt Ion: 152 Resp: 1991
 Ion Ratio Lower Upper
 152 100
 150 154.8 122.2 183.4
 115 61.1 49.8 74.6



#2
 1,4-Dioxane
 Concen: 0.031 ng
 RT: 3.239 min Scan# 22
 Delta R.T. 0.000 min
 Lab File: BN037638.D
 Acq: 20 Aug 2025 19:58

Tgt Ion: 88 Resp: 60
 Ion Ratio Lower Upper
 88 100
 43 286.7 25.8 38.6#
 58 90.0 61.2 91.8

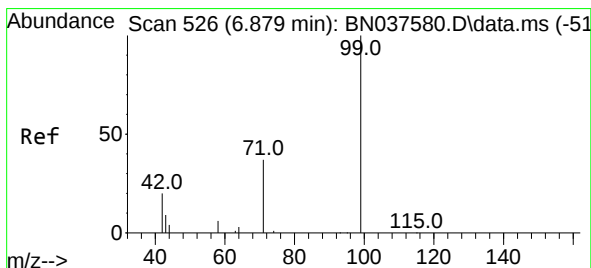
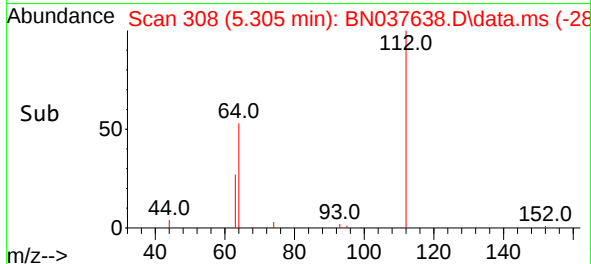
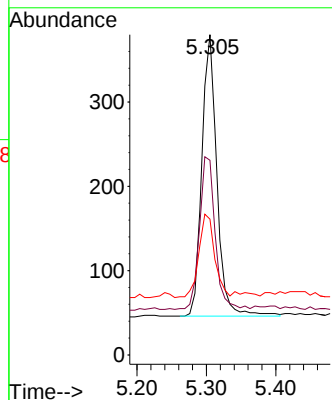
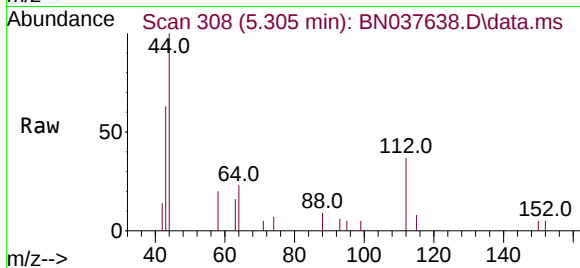




#4
2-Fluorophenol
Concen: 0.111 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

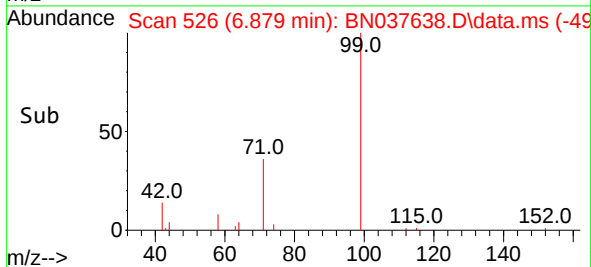
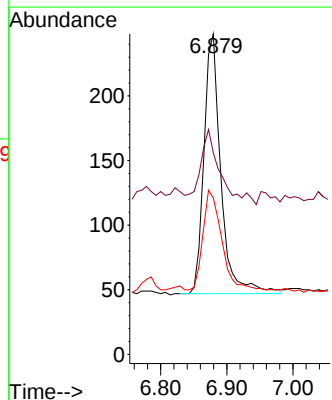
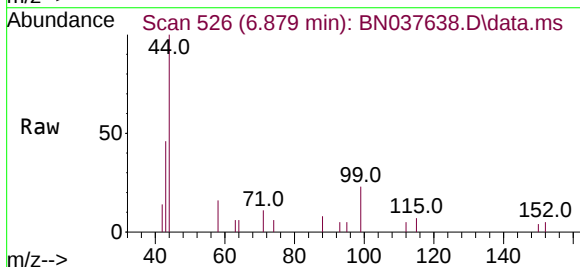
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

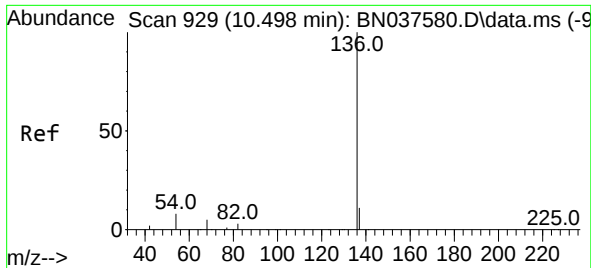
Tgt Ion:	112	Resp:	503
Ion	Ratio	Lower	Upper
112	100		
64	56.5	44.9	67.3
63	31.2	23.4	35.2



#5
Phenol-d6
Concen: 0.066 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

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#

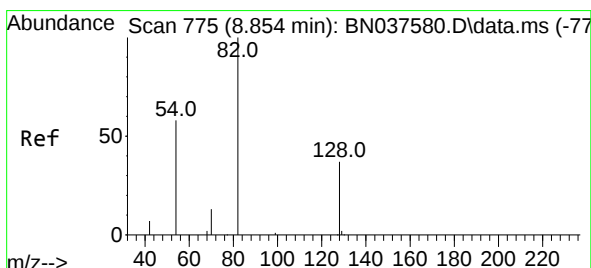
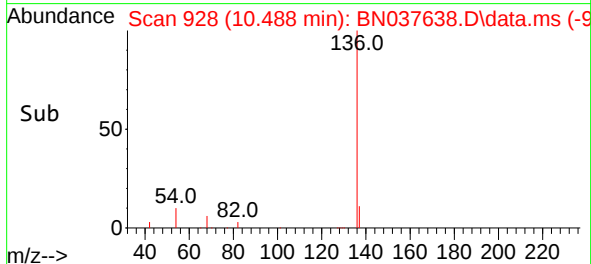
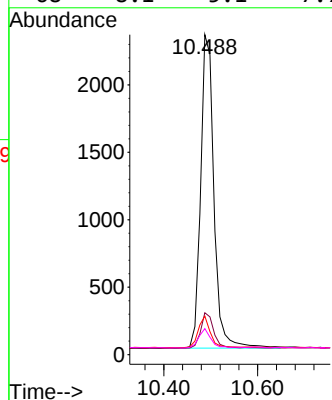
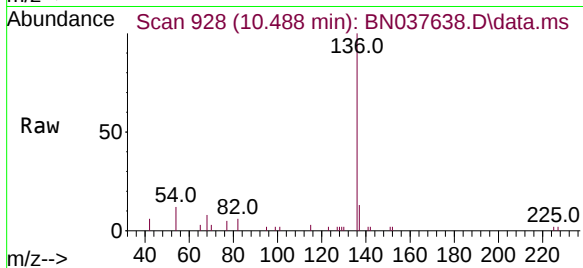




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.488 min Scan# 91
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

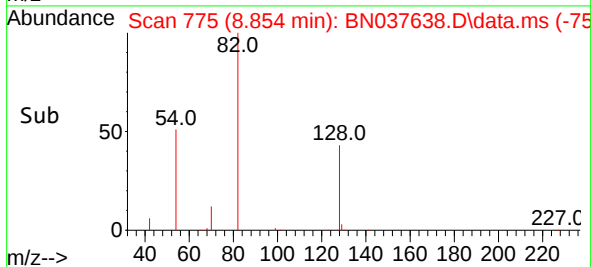
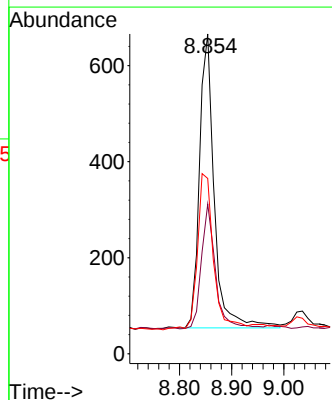
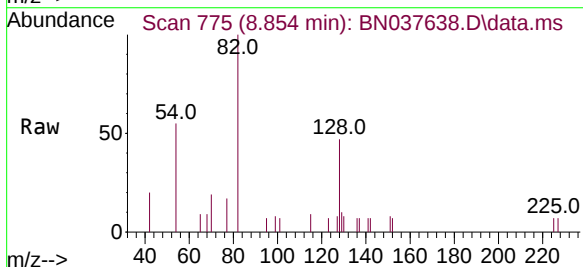
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

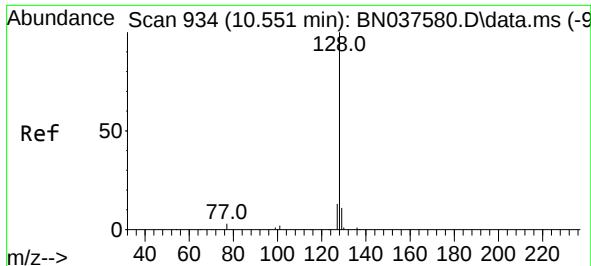
Tgt Ion:	136	Resp:	4567
Ion Ratio	Lower	Upper	
136	100		
137	13.1	9.5	14.3
54	12.0	7.3	10.9#
68	8.1	5.1	7.7#



#8
Nitrobenzene-d5
Concen: 0.374 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

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

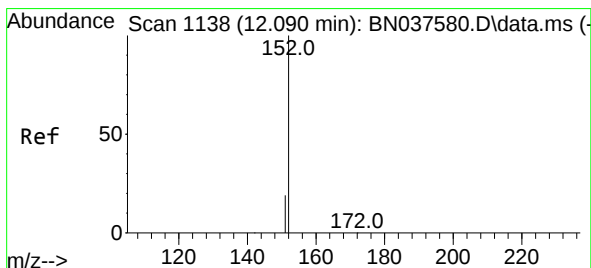
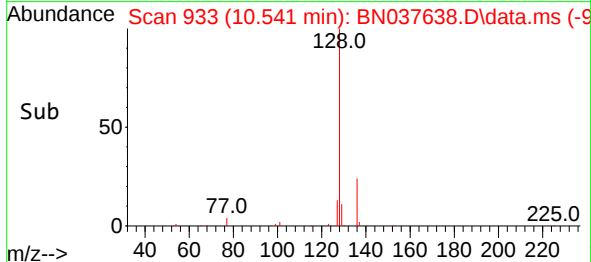
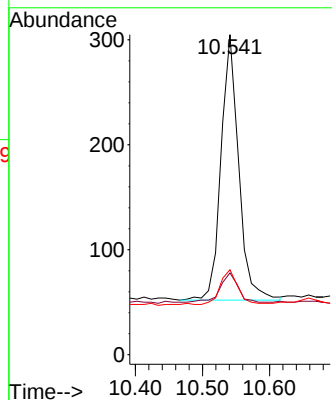
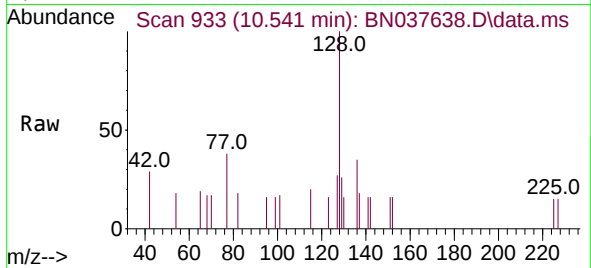




#9
Naphthalene
Concen: 0.038 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

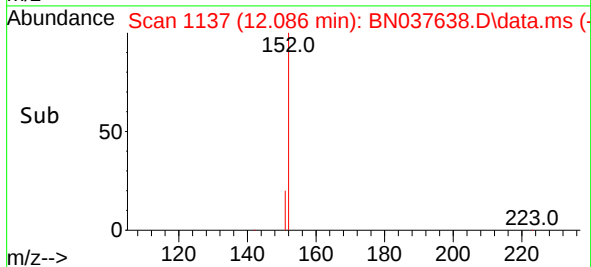
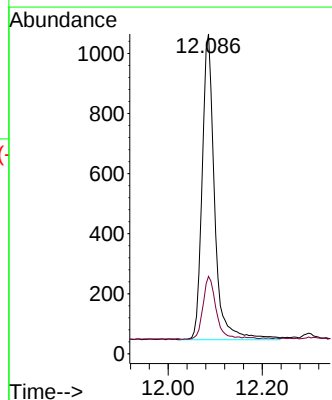
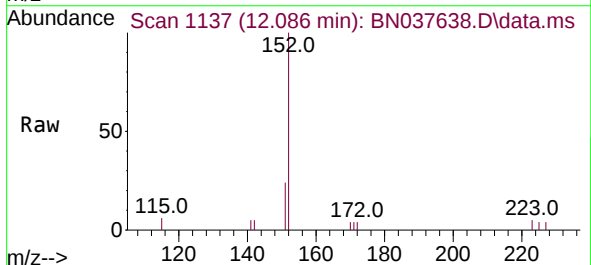
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

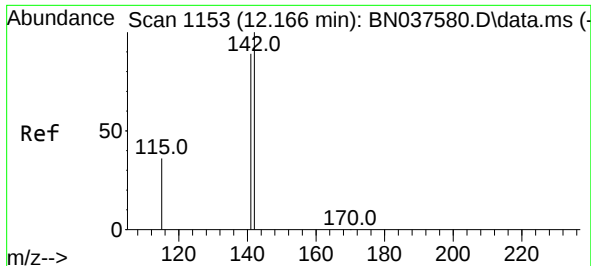
Tgt Ion:128 Resp: 463
Ion Ratio Lower Upper
128 100
129 25.6 9.8 14.6#
127 26.6 11.5 17.3#



#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

Tgt Ion:152 Resp: 1865
Ion Ratio Lower Upper
152 100
151 21.8 17.3 25.9

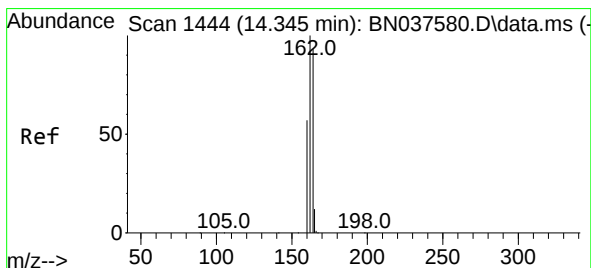
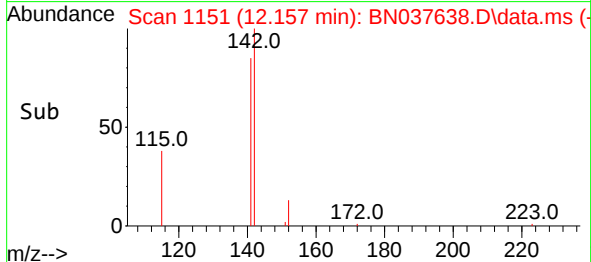
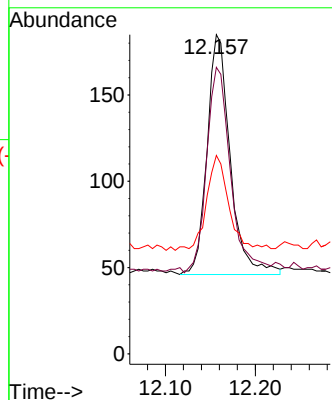
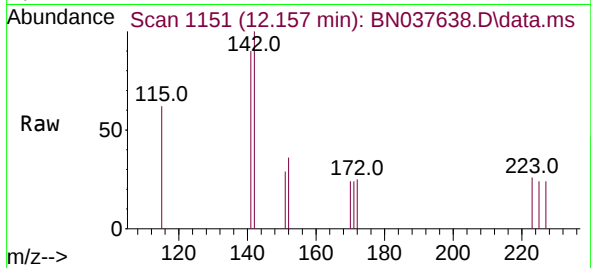




#12
2-Methylnaphthalene
Concen: 0.033 ng
RT: 12.157 min Scan# 1151
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

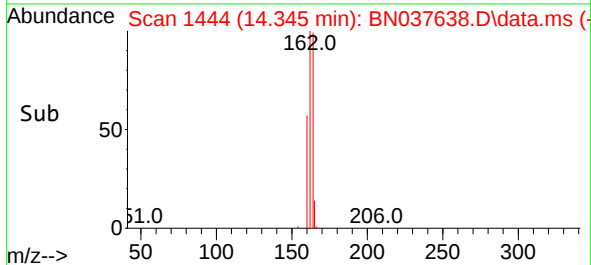
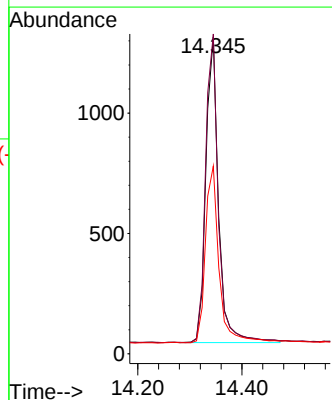
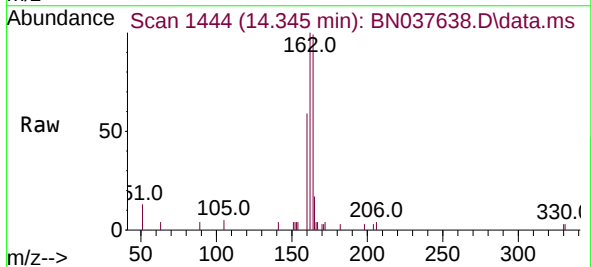
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

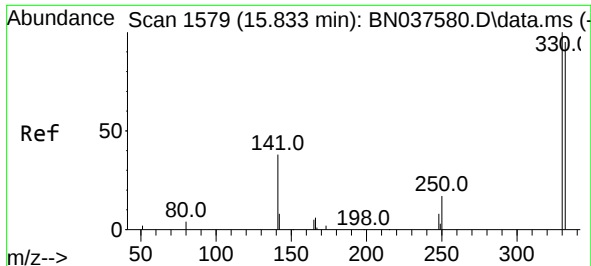
Tgt Ion:142 Resp: 249
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.0
115 62.2 30.2 45.4#



#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

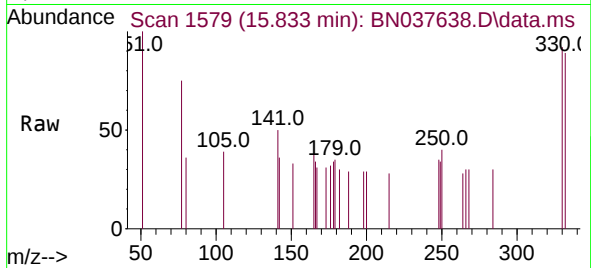
Tgt Ion:164 Resp: 2148
Ion Ratio Lower Upper
164 100
162 101.0 85.5 128.3
160 59.3 49.5 74.3



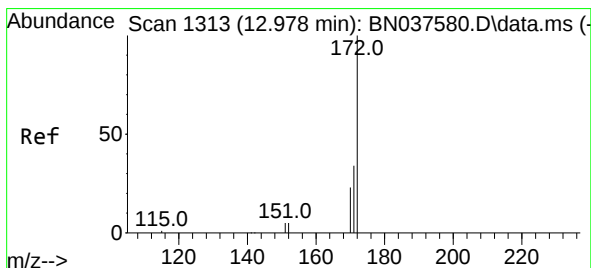
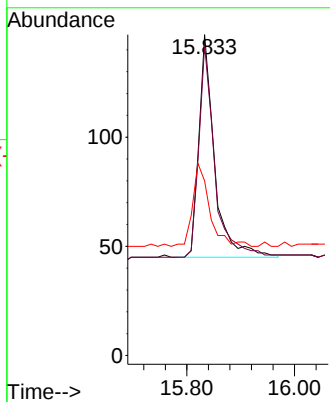
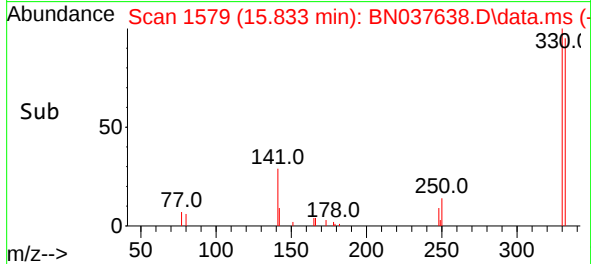


#14
2,4,6-Tribromophenol
Concen: 0.220 ng
RT: 15.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

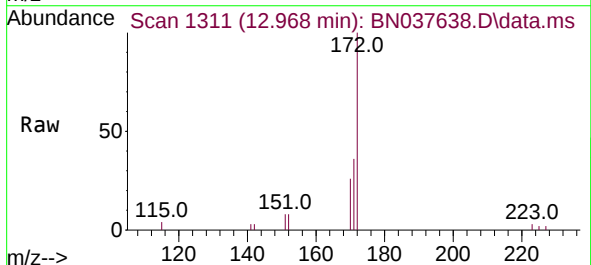
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814



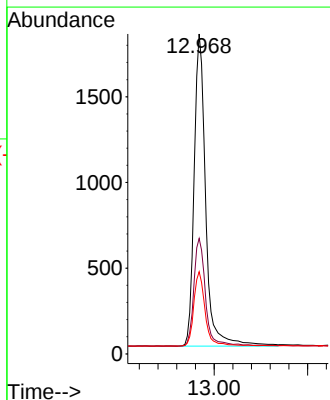
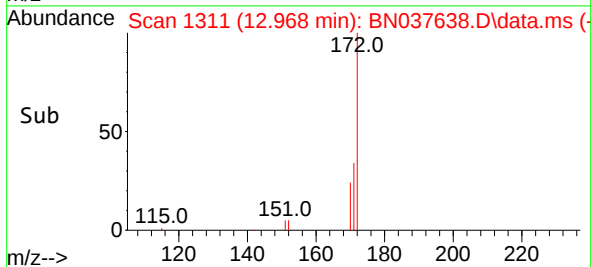
Tgt Ion:330 Resp: 207
Ion Ratio Lower Upper
330 100
332 96.6 77.4 116.0
141 40.1 30.9 46.3

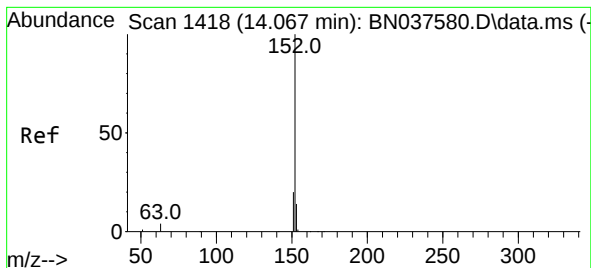


#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 12.968 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58



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

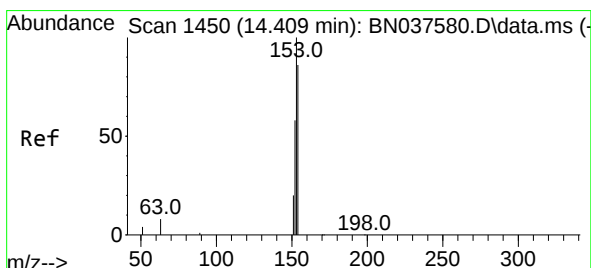
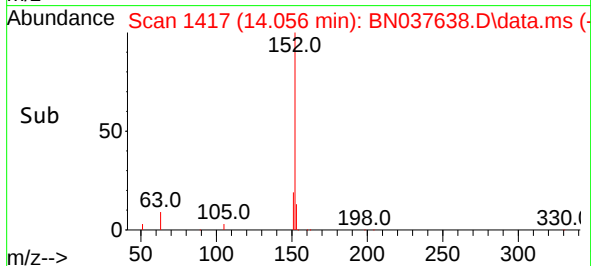
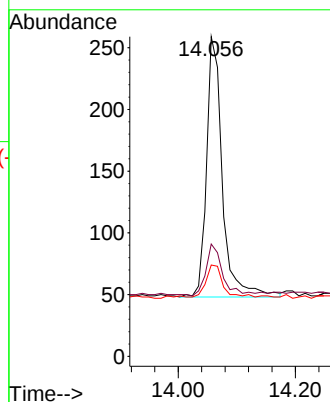
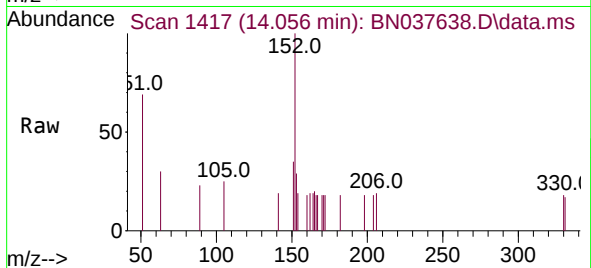
Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

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

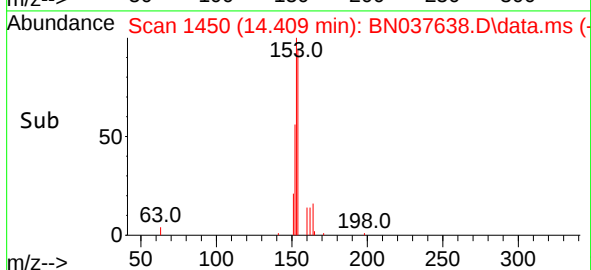
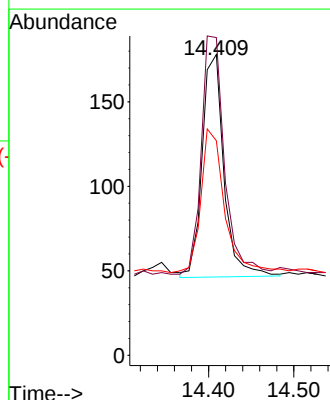
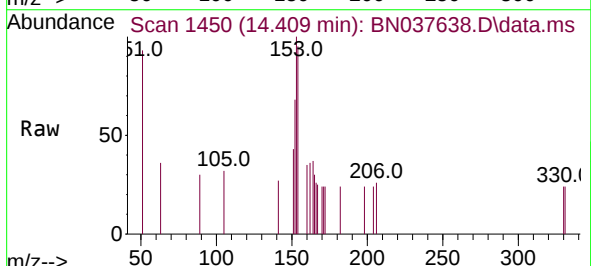
RT: 14.409 min Scan# 1450

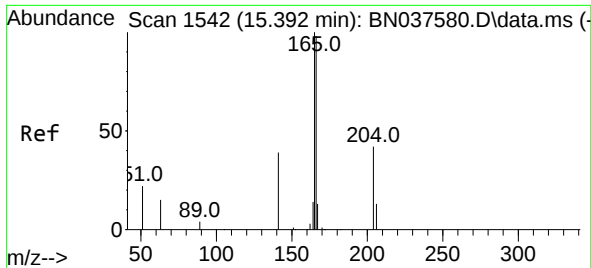
Delta R.T. 0.000 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

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

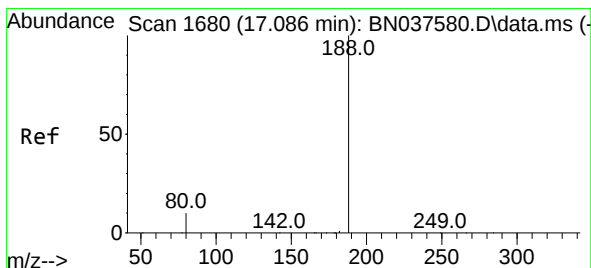
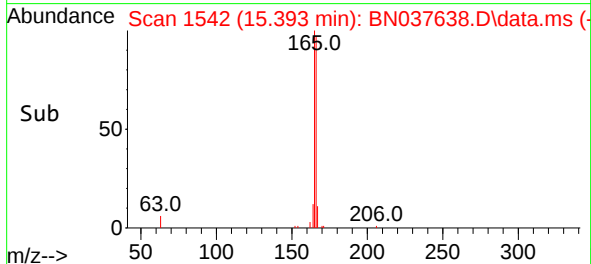
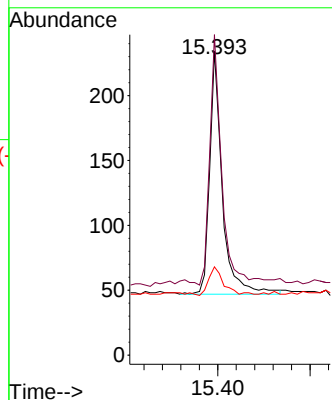
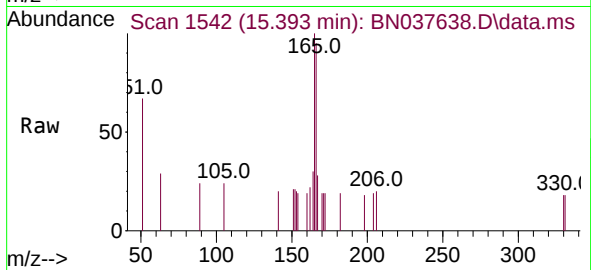




#18
Fluorene
Concen: 0.042 ng
RT: 15.393 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

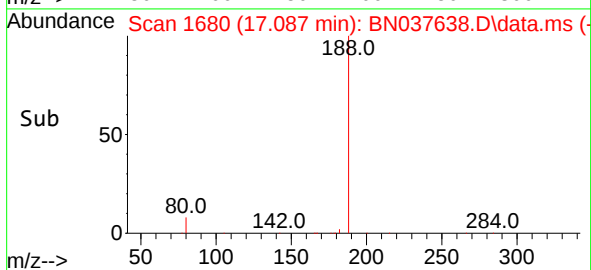
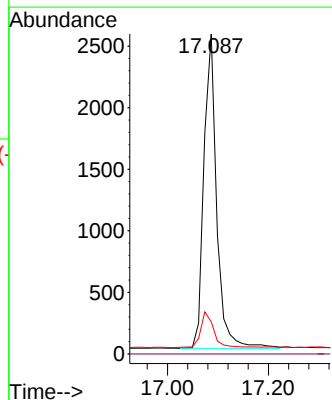
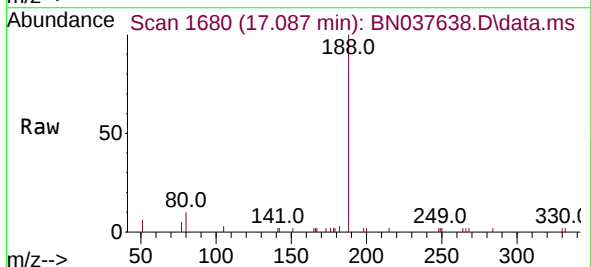
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

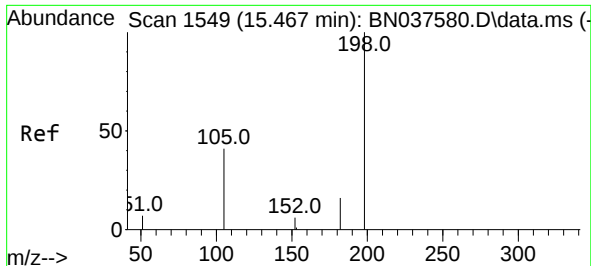
Tgt Ion:166 Resp: 362
Ion Ratio Lower Upper
166 100
165 99.2 78.9 118.3
167 14.4 10.7 16.1



#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

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





#20

4,6-Dinitro-2-methylphenol

Concen: 0.182 ng

RT: 15.489 min Scan# 1551

Delta R.T. 0.022 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

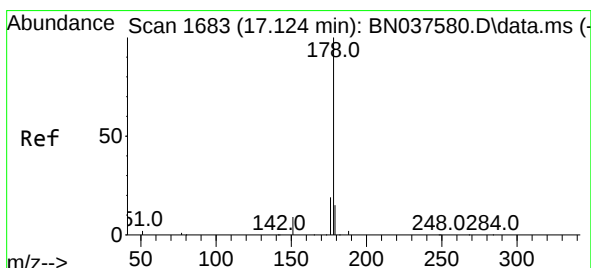
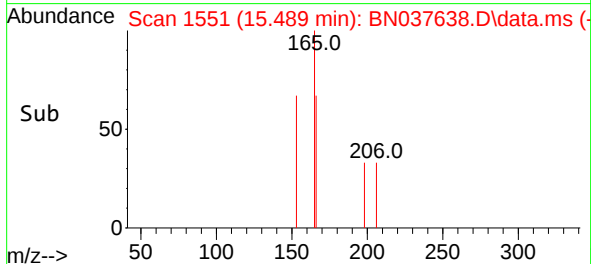
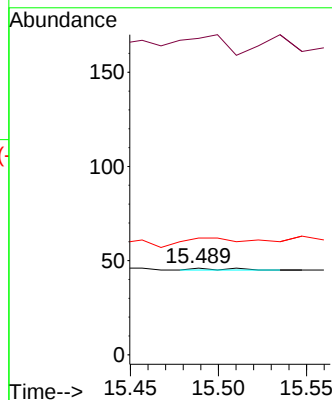
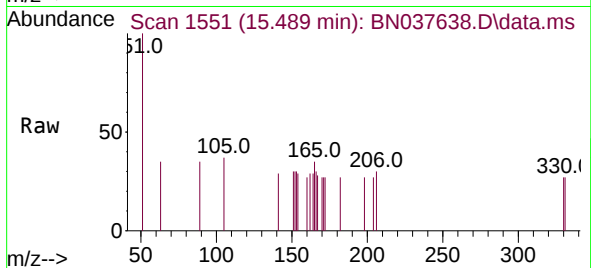
Tgt Ion:198 Resp: 1

Ion Ratio Lower Upper

198 100

51 365.2 81.0 121.6#

105 134.8 52.5 78.7#



#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

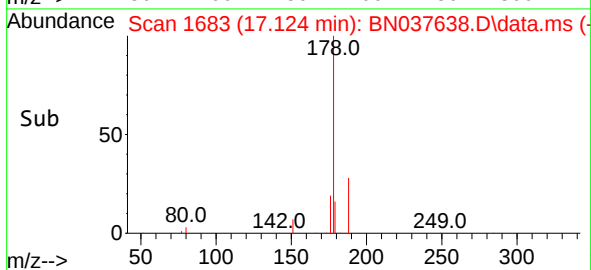
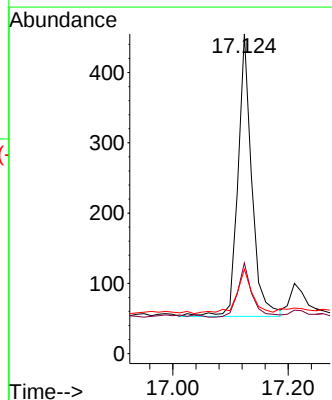
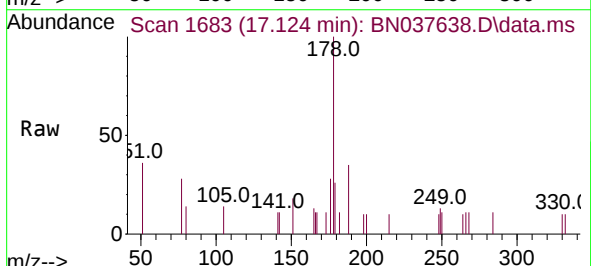
Tgt Ion:178 Resp: 670

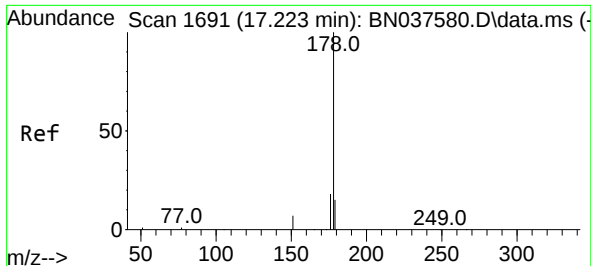
Ion Ratio Lower Upper

178 100

176 19.4 15.0 22.6

179 17.5 12.3 18.5

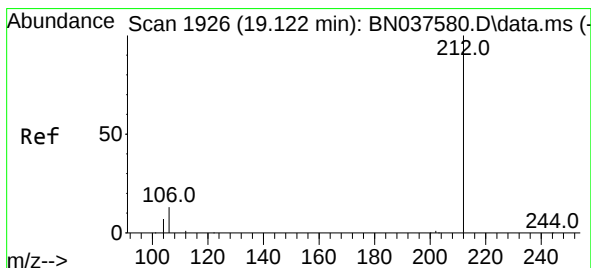
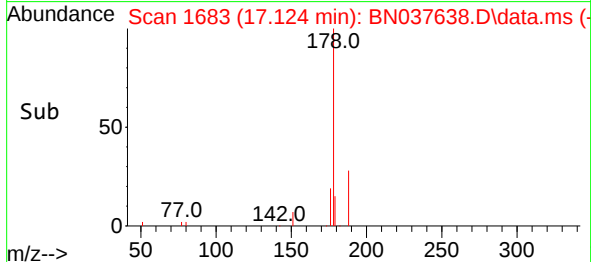
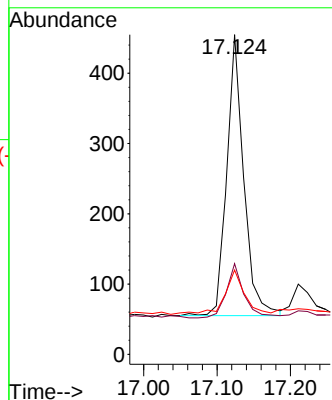
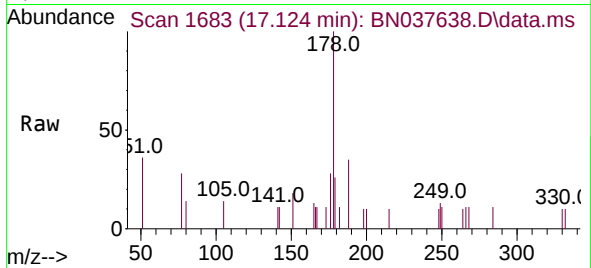




#26
 Anthracene
 Concen: 0.054 ng
 RT: 17.124 min Scan# 1683
 Delta R.T. -0.099 min
 Lab File: BN037638.D
 Acq: 20 Aug 2025 19:58

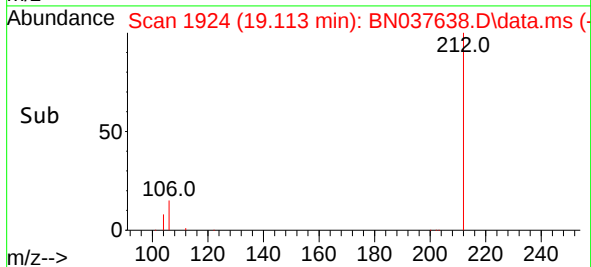
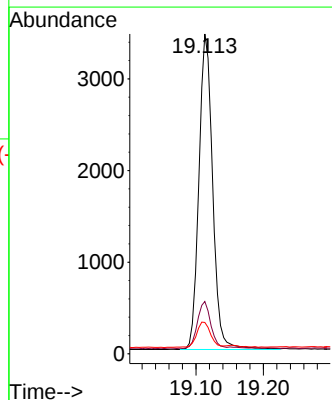
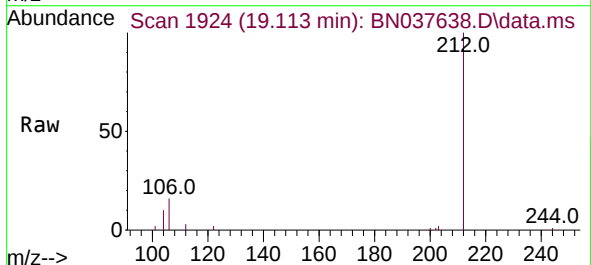
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-20250814

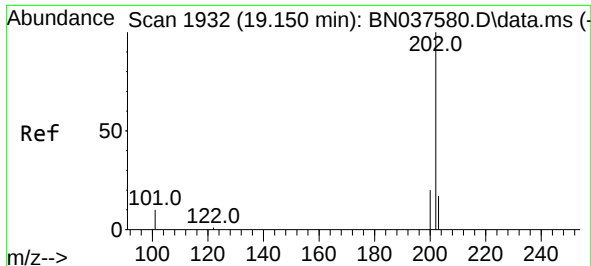
Tgt Ion:	178	Resp:	648
Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.7	22.1
179	15.6	12.3	18.5



#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

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

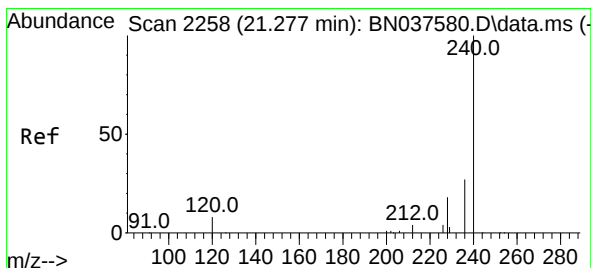
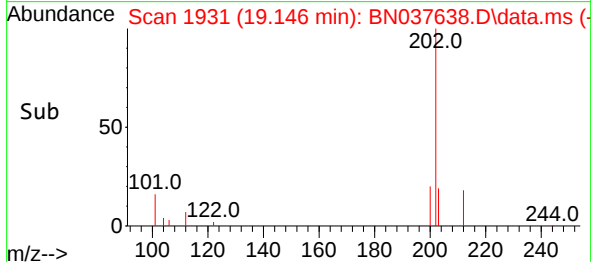
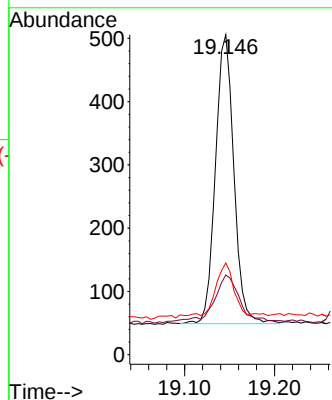
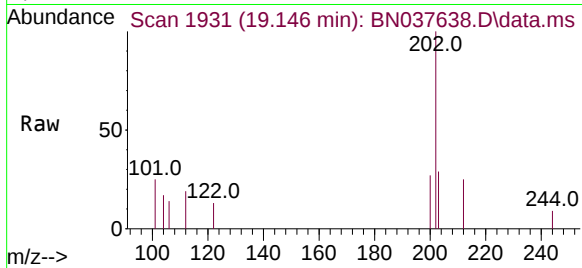




#28
Fluoranthene
Concen: 0.042 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

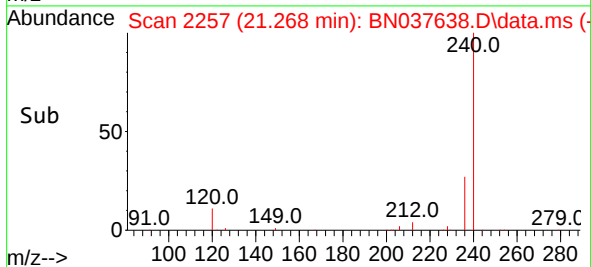
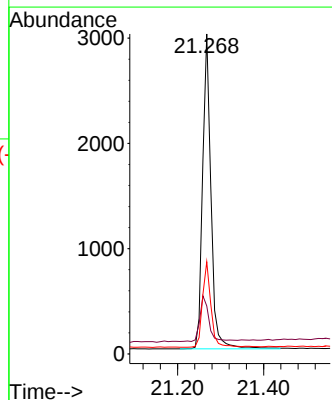
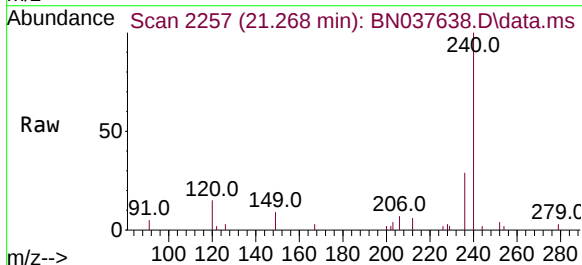
Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814

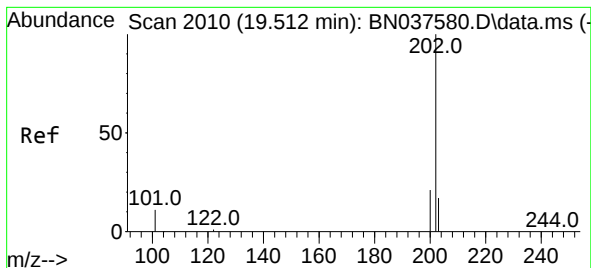
Tgt Ion:202 Resp: 652
Ion Ratio Lower Upper
202 100
101 24.5 9.0 13.6#
203 20.2 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

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# 20

Delta R.T. -0.004 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

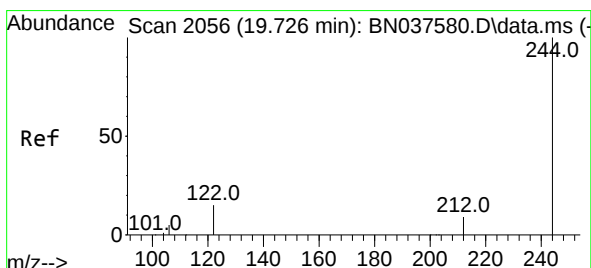
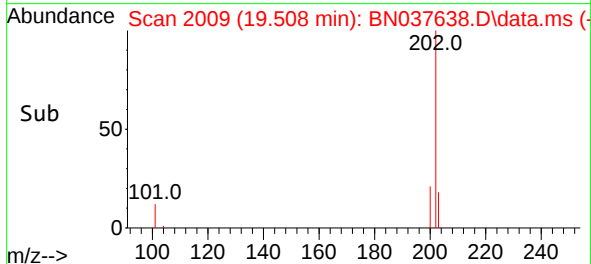
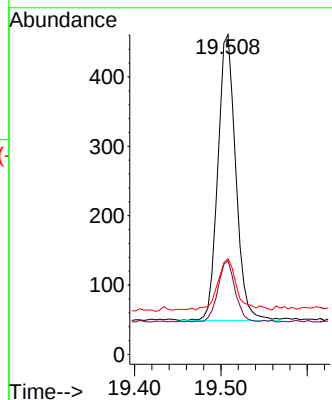
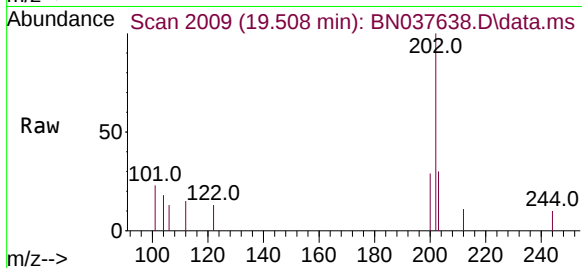
Tgt Ion:202 Resp: 589

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

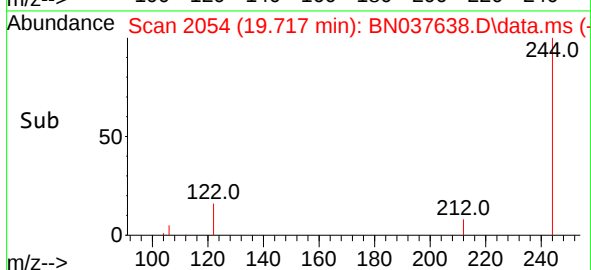
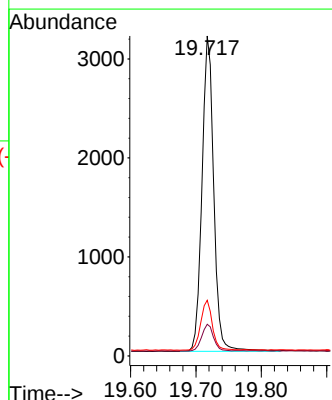
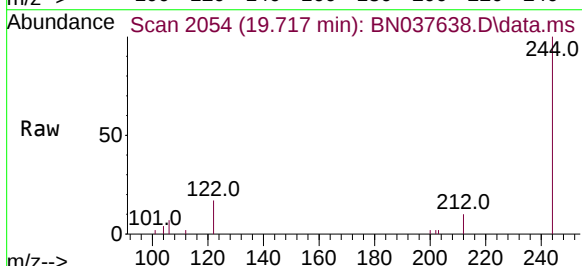
Tgt Ion:244 Resp: 3972

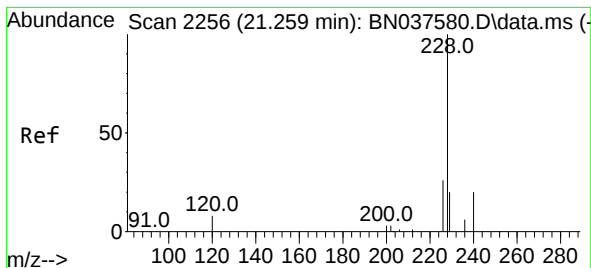
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.009 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

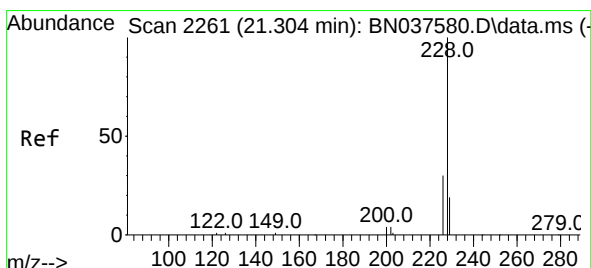
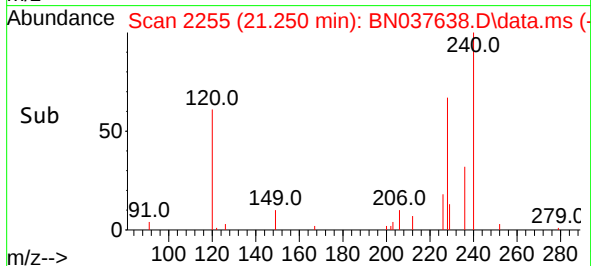
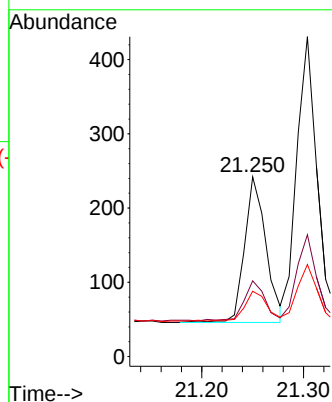
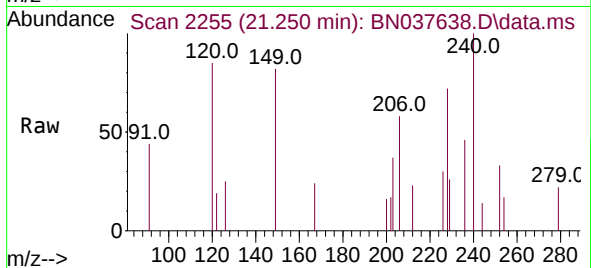
Tgt Ion:228 Resp: 286

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# 2261

Delta R.T. 0.000 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

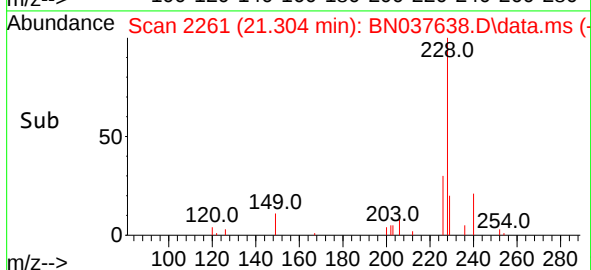
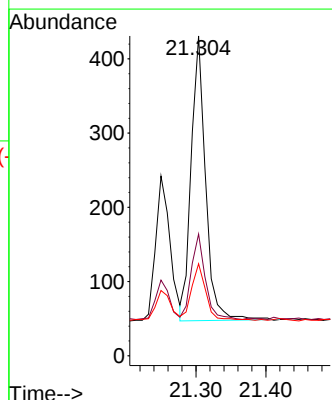
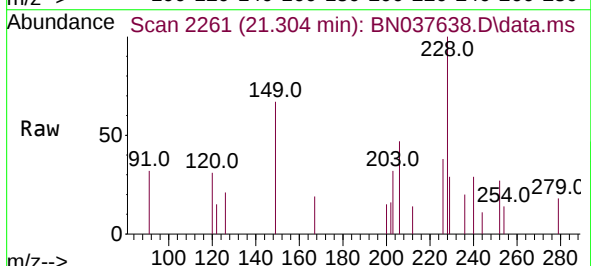
Tgt Ion:228 Resp: 549

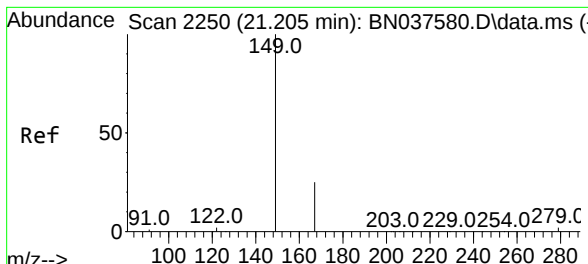
Ion Ratio Lower Upper

228 100

226 38.1 24.9 37.3#

229 28.8 15.8 23.8#

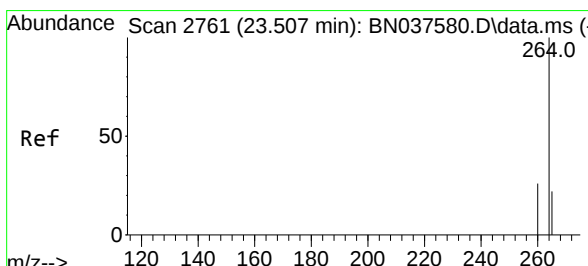
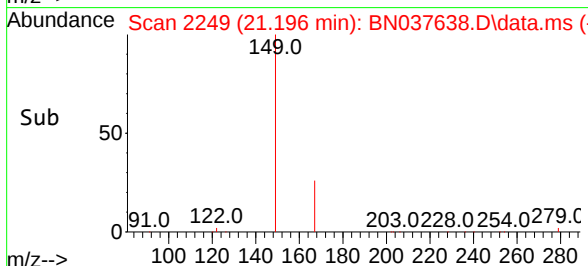
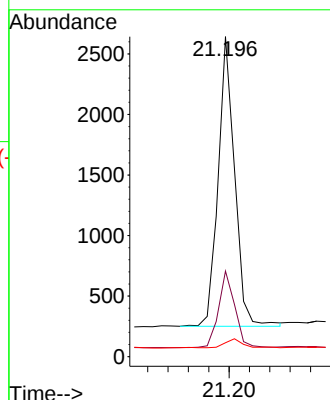
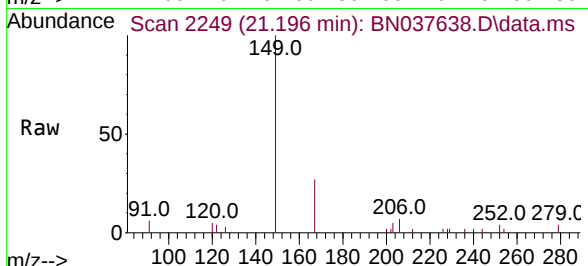




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.487 ng
 RT: 21.196 min Scan# 21
 Delta R.T. -0.009 min
 Lab File: BN037638.D
 Acq: 20 Aug 2025 19:58

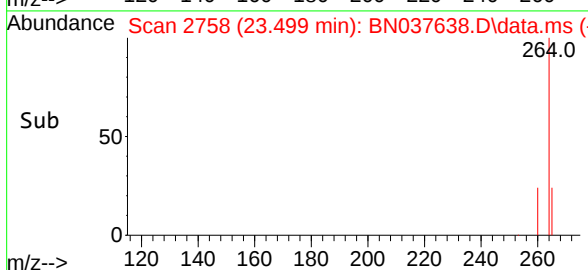
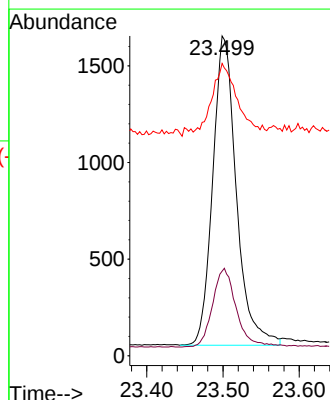
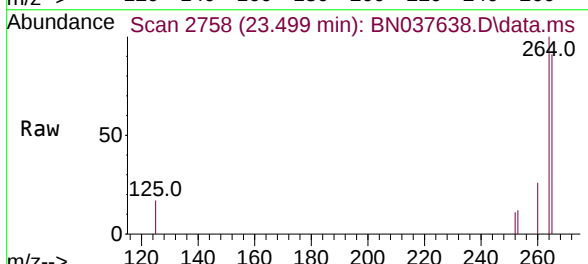
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP201-20250814

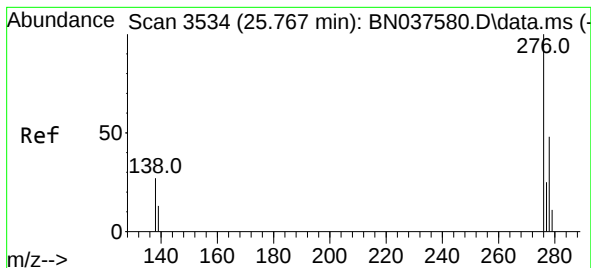
Tgt Ion:	149	Resp:	2701
Ion Ratio	Lower	Upper	
149	100		
167	26.0	20.5	30.7
279	3.3	2.6	4.0



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.499 min Scan# 2758
 Delta R.T. -0.009 min
 Lab File: BN037638.D
 Acq: 20 Aug 2025 19:58

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

Instrument :

BNA_N

ClientSampleId :

RW5-SP201-20250814

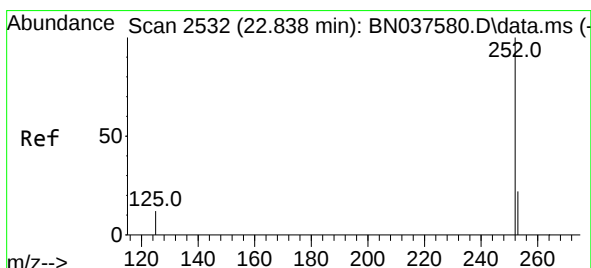
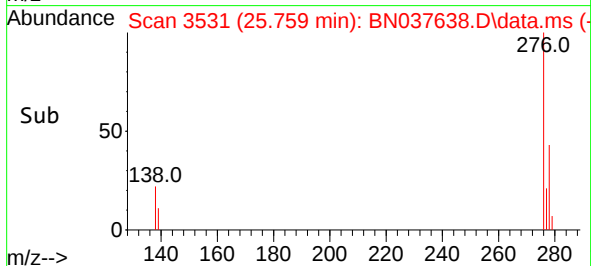
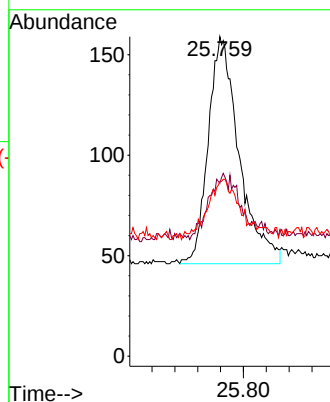
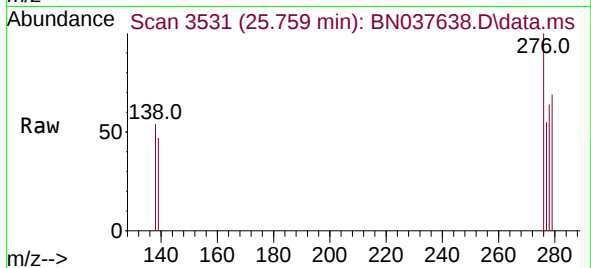
Tgt Ion:276 Resp: 424

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# 2530

Delta R.T. -0.006 min

Lab File: BN037638.D

Acq: 20 Aug 2025 19:58

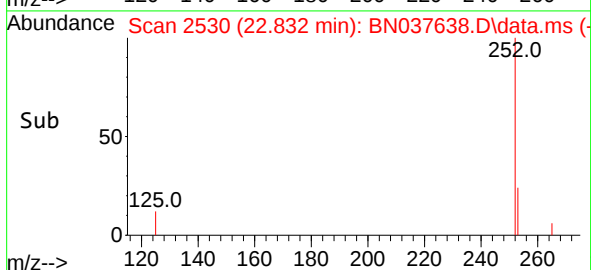
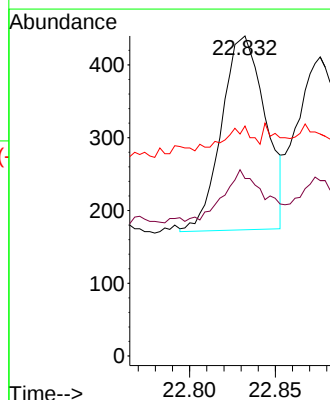
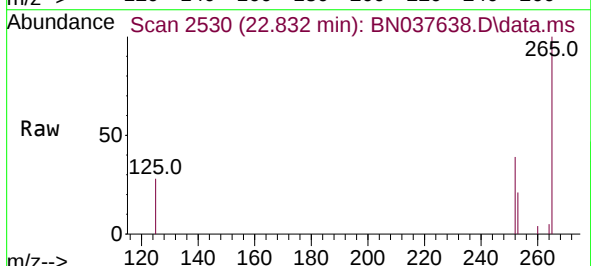
Tgt Ion:252 Resp: 474

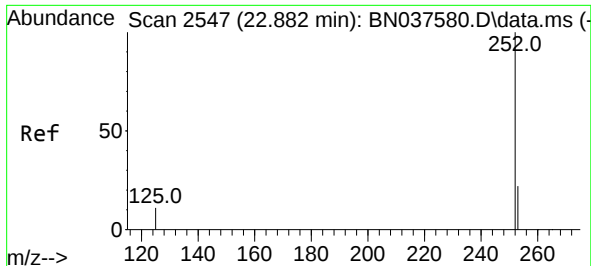
Ion Ratio Lower Upper

252 100

253 55.5 20.0 30.0#

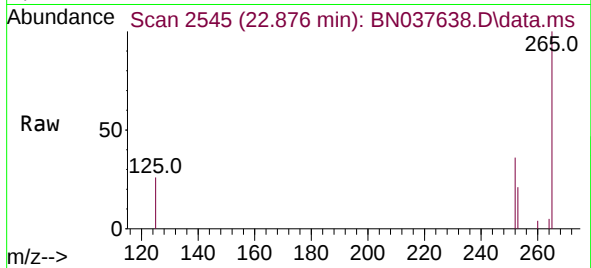
125 71.8 13.8 20.6#



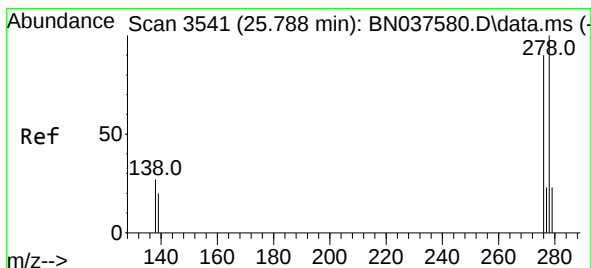
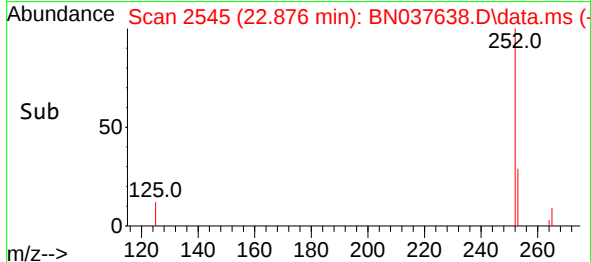
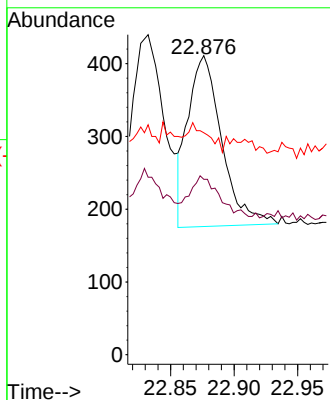


#38
Benzo(k)fluoranthene
Concen: 0.030 ng
RT: 22.876 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

Instrument :
BNA_N
ClientSampleId :
RW5-SP201-20250814



Tgt Ion:252 Resp: 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# 3540
Delta R.T. -0.003 min
Lab File: BN037638.D
Acq: 20 Aug 2025 19:58

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#

