

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121625\
 Data File : BN038458.D
 Acq On : 17 Dec 2025 01:23
 Operator : RC/JU
 Sample : Q3849-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-121125

Quant Time: Dec 17 03:00:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

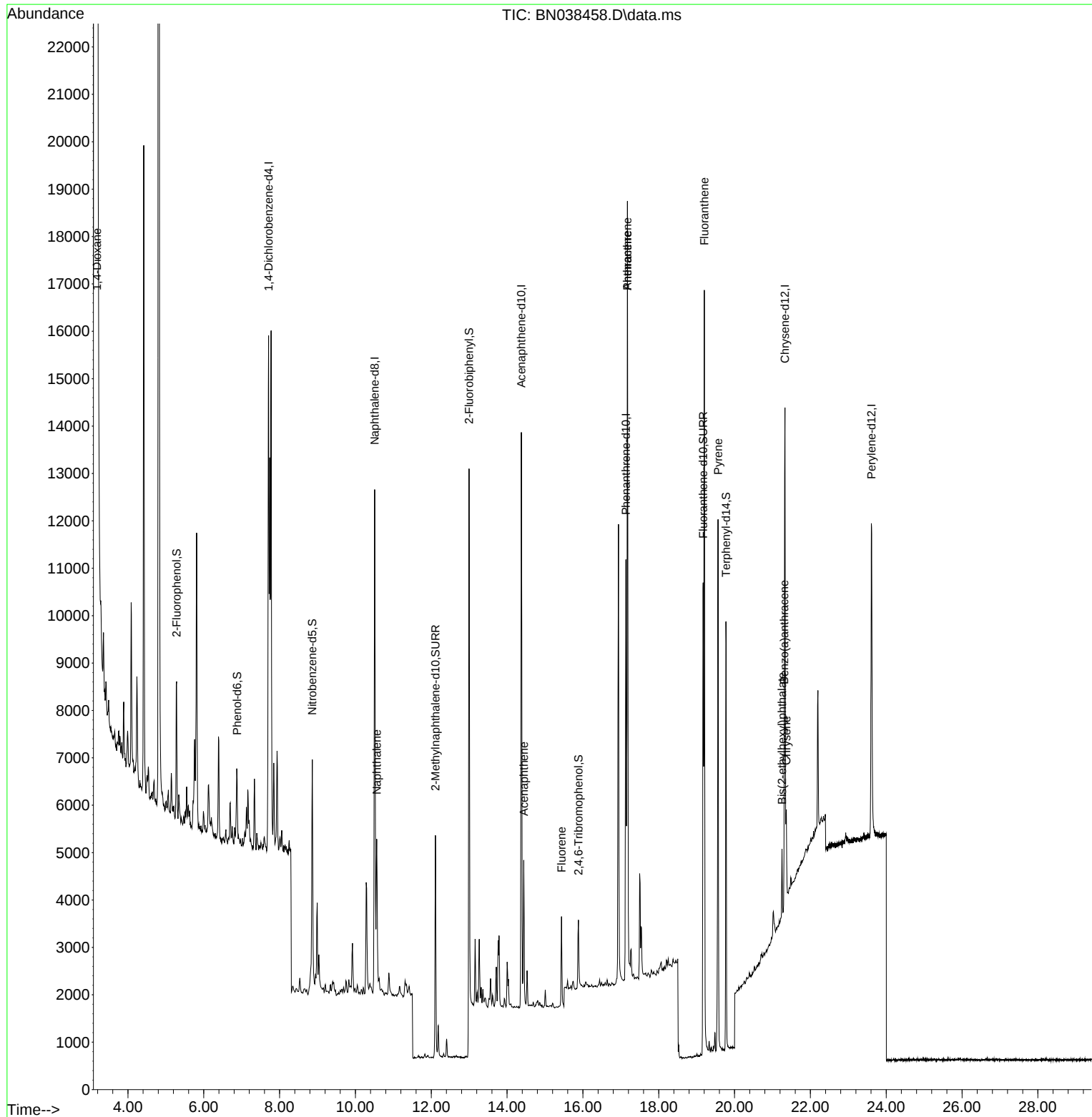
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	5288	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	13480	0.400	ng	#-0.02
13) Acenaphthene-d10	14.377	164	6808	0.400	ng	-0.02
19) Phenanthrene-d10	17.136	188	12233	0.400	ng	-0.01
29) Chrysene-d12	21.331	240	9386	0.400	ng	# 0.00
35) Perylene-d12	23.610	264	9482	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	2122	0.161	ng	0.00
5) Phenol-d6	6.879	99	1526	0.097	ng	0.00
8) Nitrobenzene-d5	8.865	82	4183	0.368	ng	-0.01
11) 2-Methylnaphthalene-d10	12.111	152	6515	0.343	ng	-0.02
14) 2,4,6-Tribromophenol	15.883	330	886	0.293	ng	-0.01
15) 2-Fluorobiphenyl	12.998	172	15943	0.486	ng	-0.01
27) Fluoranthene-d10	19.174	212	10785	0.356	ng	-0.01
31) Terphenyl-d14	19.773	244	8493	0.405	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.182	88	32203	5.311	ng	# 93
9) Naphthalene	10.562	128	3615	0.091	ng	# 94
17) Acenaphthene	14.441	154	1449	0.062	ng	98
18) Fluorene	15.435	166	1348	0.045	ng	93
25) Phenanthrene	17.173	178	16514	0.388	ng	100
26) Anthracene	17.173	178	16474	0.449	ng	99
28) Fluoranthene	19.201	202	14489	0.320	ng	97
30) Pyrene	19.564	202	10144	0.220	ng	# 93
32) Benzo(a)anthracene	21.313	228	1506	0.042	ng	# 93
33) Chrysene	21.366	228	1968	0.049	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.250	149	1500	0.075	ng	# 96

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

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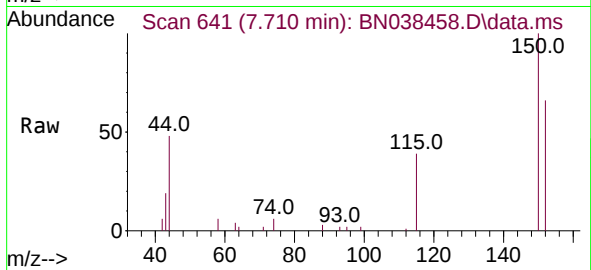
Quant Time: Dec 17 03:00:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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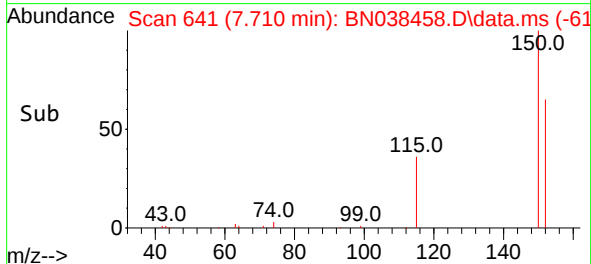
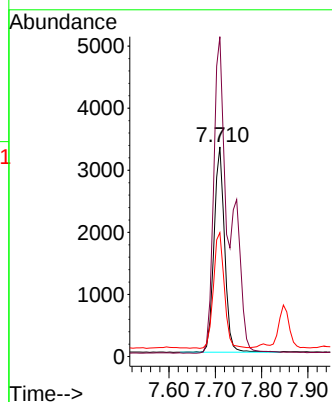
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.014 min
 Lab File: BN038458.D
 Acq: 17 Dec 2025 01:23

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-121125



Tgt Ion:152 Resp: 5288

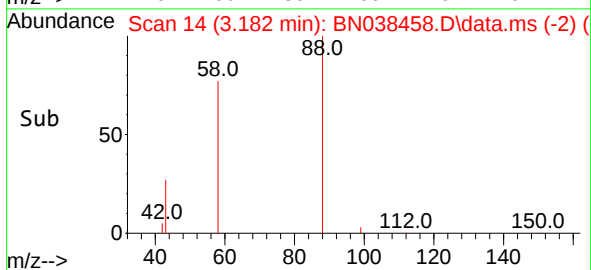
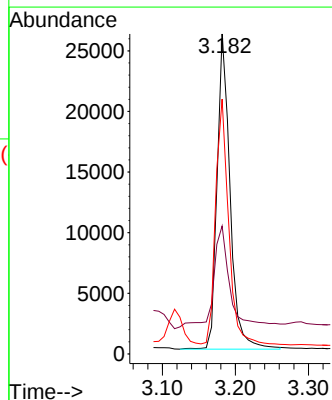
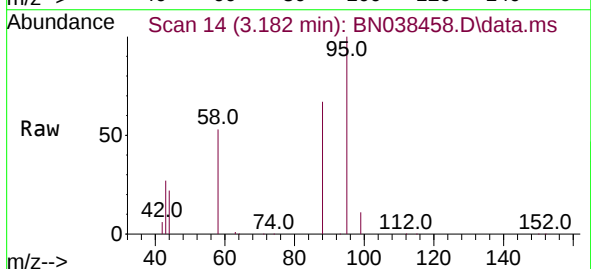
Ion	Ratio	Lower	Upper
152	100		
150	152.6	122.4	183.6
115	59.1	47.3	70.9

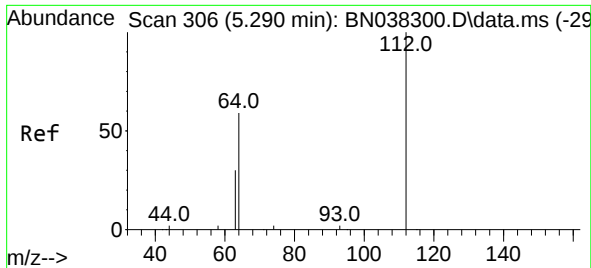


#2
 1,4-Dioxane
 Concen: 5.311 ng
 RT: 3.182 min Scan# 14
 Delta R.T. -0.014 min
 Lab File: BN038458.D
 Acq: 17 Dec 2025 01:23

Tgt Ion: 88 Resp: 32203

Ion	Ratio	Lower	Upper
88	100		
43	43.3	24.9	37.3
58	77.4	61.4	92.0

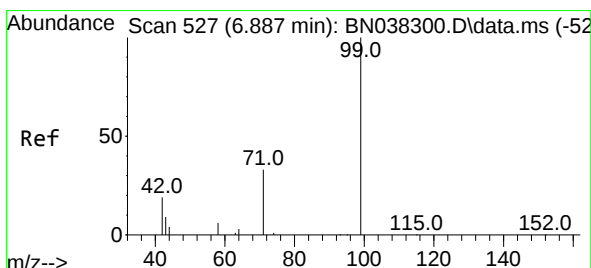
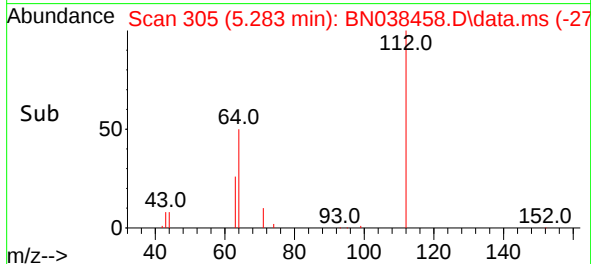
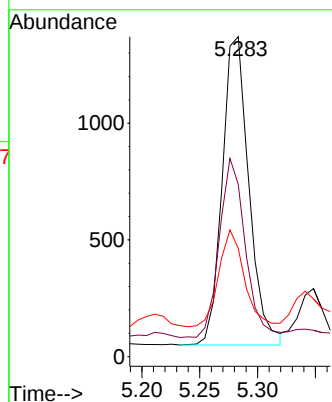
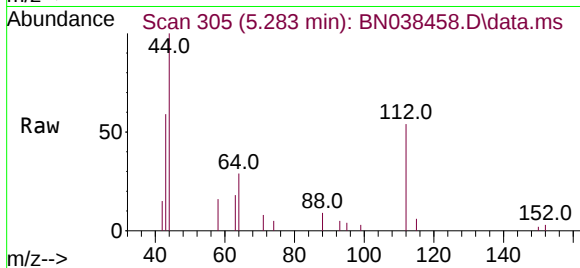




#4
2-Fluorophenol
Concen: 0.161 ng
RT: 5.283 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

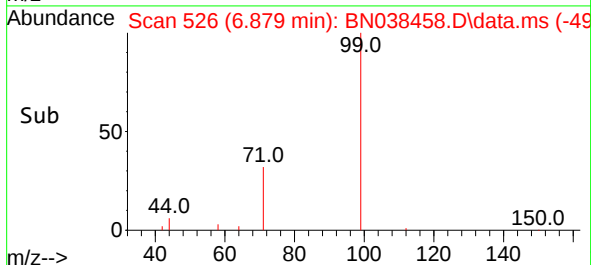
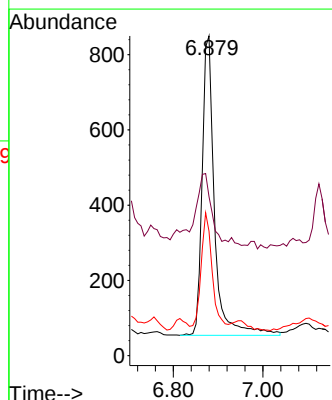
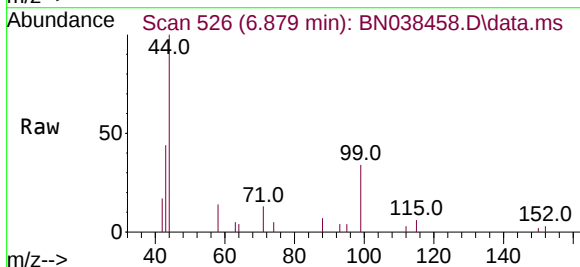
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-121125

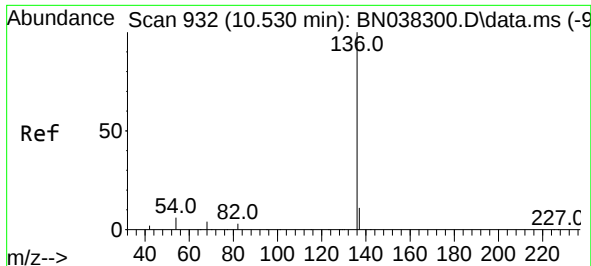
Tgt Ion:	112	Resp:	2122
Ion	Ratio	Lower	Upper
112	100		
64	56.6	44.4	66.6
63	30.0	23.4	35.0



#5
Phenol-d6
Concen: 0.097 ng
RT: 6.879 min Scan# 526
Delta R.T. -0.007 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

Tgt Ion:	99	Resp:	1526
Ion	Ratio	Lower	Upper
99	100		
42	29.4	16.5	24.7
71	33.4	24.9	37.3

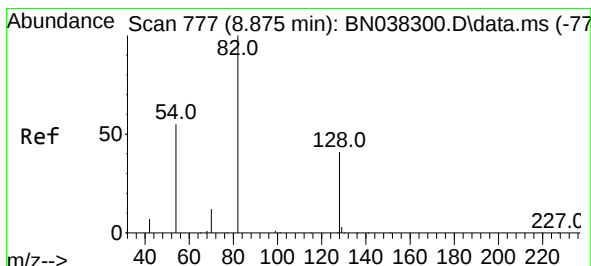
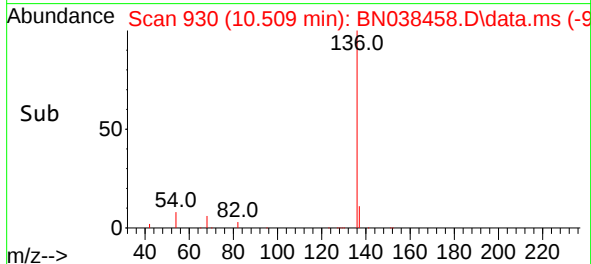
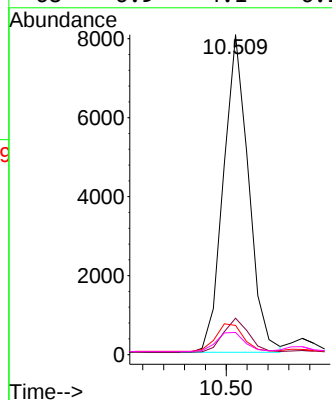
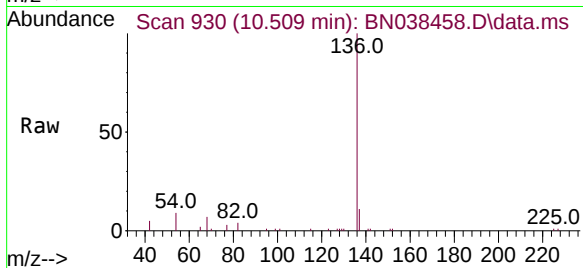




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 931
Delta R.T. -0.021 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

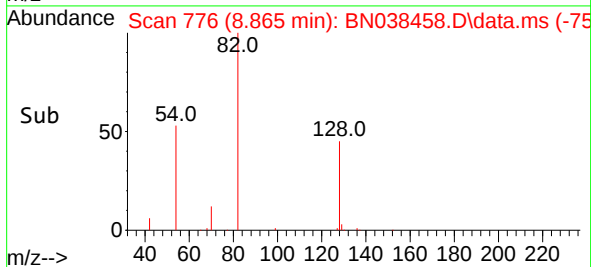
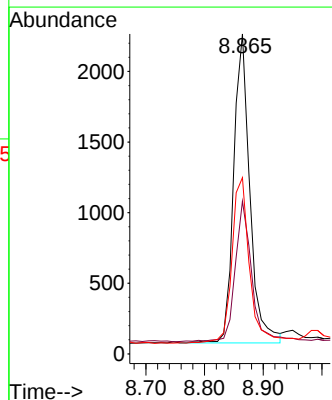
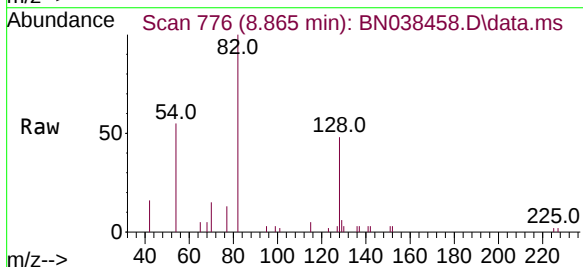
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-121125

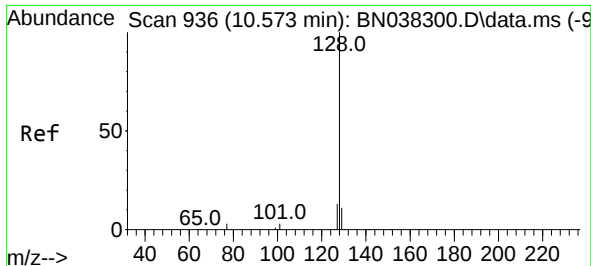
Tgt Ion:136	Resp:	13480
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	9.1	5.2 7.8#
68	6.9	4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.368 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

Tgt Ion: 82	Resp:	4183
Ion Ratio	Lower	Upper
82	100	
128	47.7	34.0 51.0
54	55.1	44.4 66.6

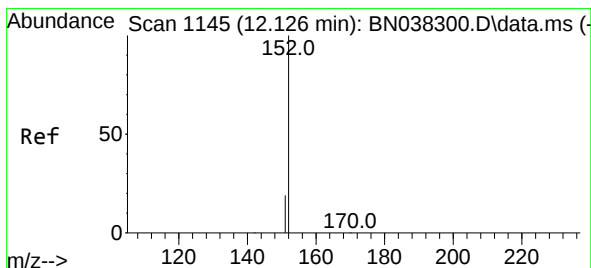
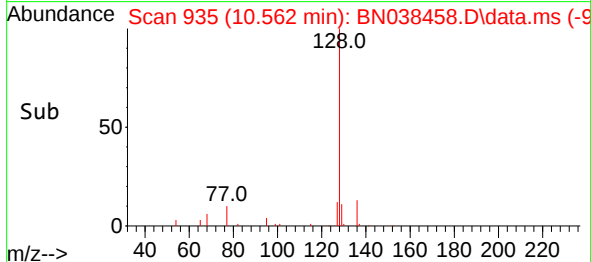
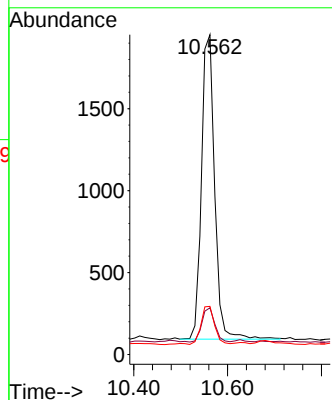
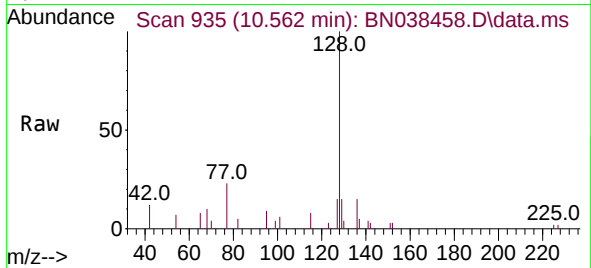




#9
Naphthalene
Concen: 0.091 ng
RT: 10.562 min Scan# 936
Delta R.T. -0.011 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

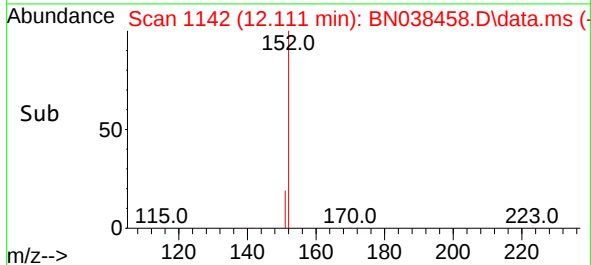
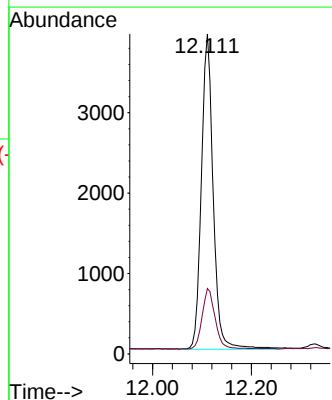
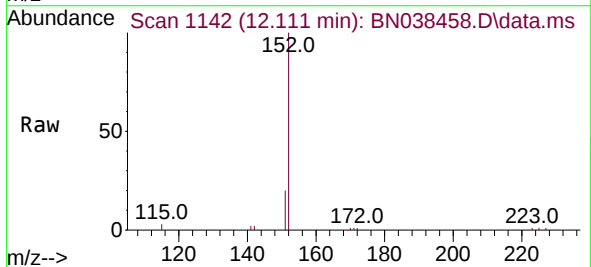
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-121125

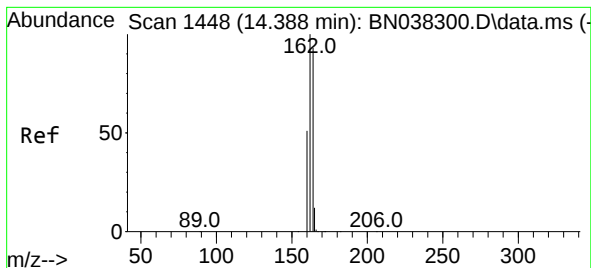
Tgt Ion:128 Resp: 3615
Ion Ratio Lower Upper
128 100
129 14.6 9.1 13.7#
127 15.1 10.9 16.3



#11
2-Methylnaphthalene-d10
Concen: 0.343 ng
RT: 12.111 min Scan# 1142
Delta R.T. -0.015 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

Tgt Ion:152 Resp: 6515
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.377 min Scan# 1448

Delta R.T. -0.021 min

Lab File: BN038458.D

Acq: 17 Dec 2025 01:23

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-121125

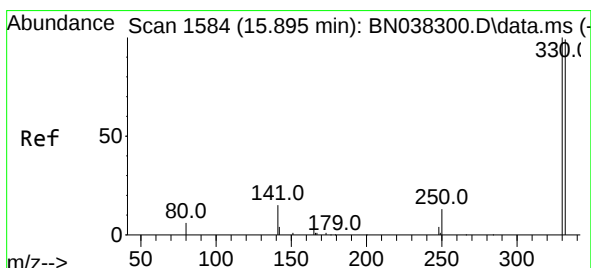
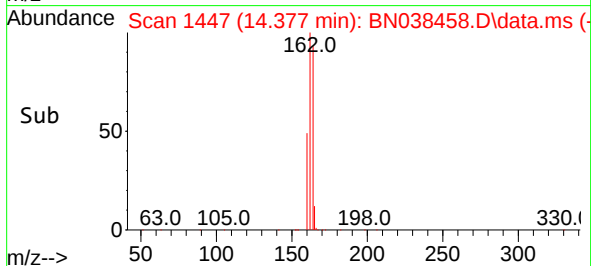
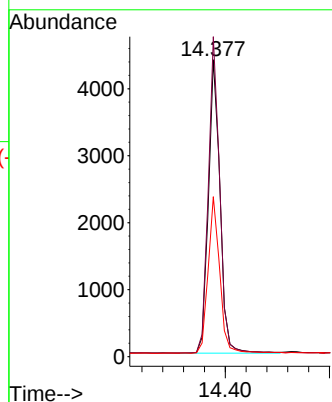
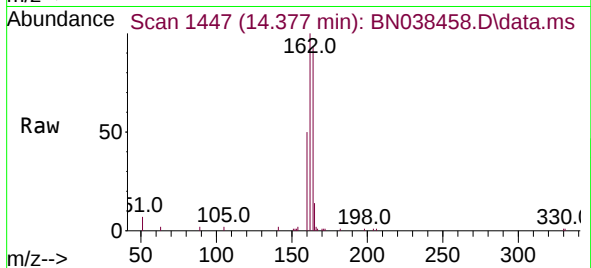
Tgt Ion:164 Resp: 6808

Ion Ratio Lower Upper

164 100

162 107.8 86.2 129.4

160 53.9 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.293 ng

RT: 15.883 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038458.D

Acq: 17 Dec 2025 01:23

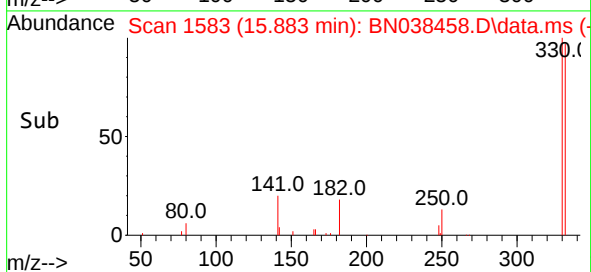
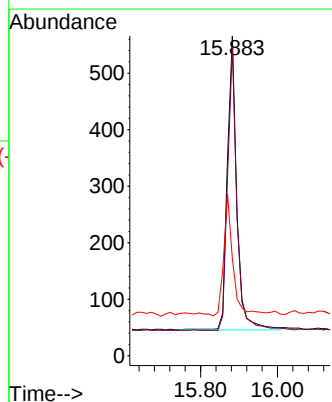
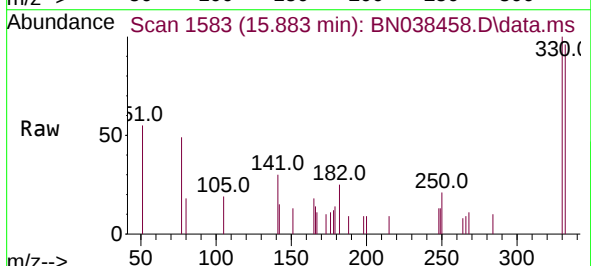
Tgt Ion:330 Resp: 886

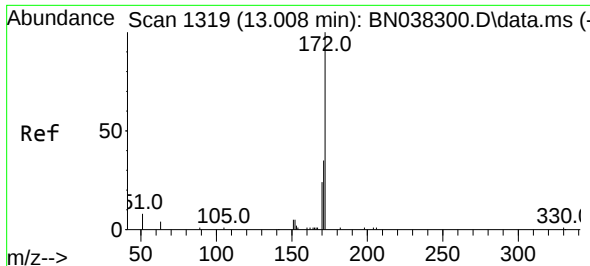
Ion Ratio Lower Upper

330 100

332 94.1 75.8 113.6

141 40.3 31.8 47.8

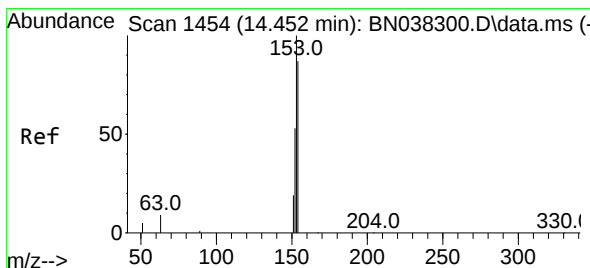
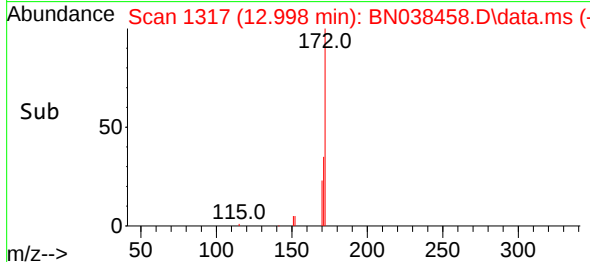
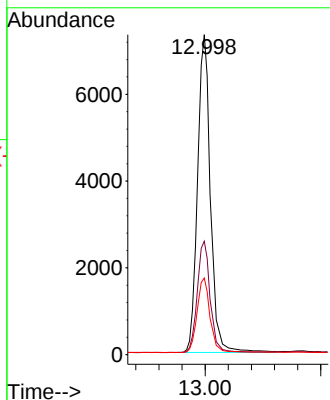
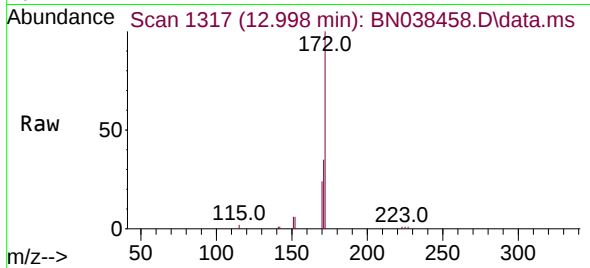




#15
2-Fluorobiphenyl
Concen: 0.486 ng
RT: 12.998 min Scan# 1319
Delta R.T. -0.010 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

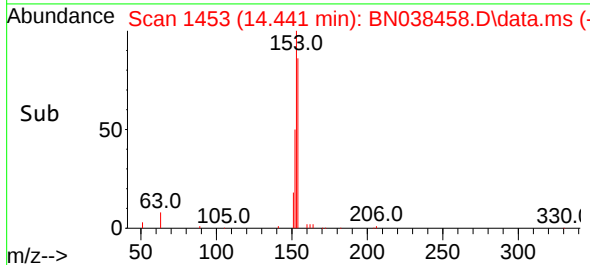
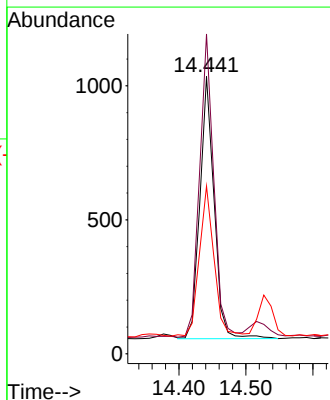
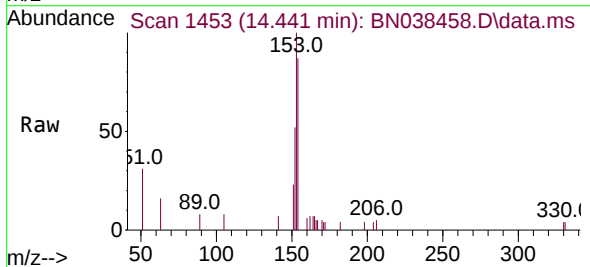
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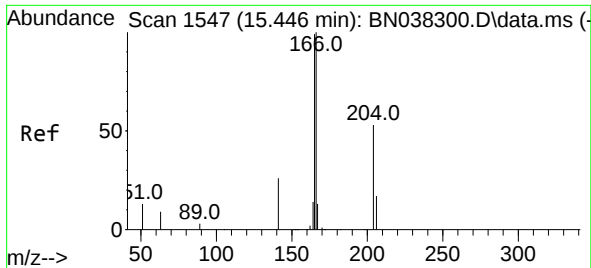
Tgt Ion:	172	Resp:	15943
Ion Ratio	Lower	Upper	
172	100		
171	35.4	28.6	42.8
170	23.9	19.3	28.9



#17
Acenaphthene
Concen: 0.062 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

Tgt Ion:	154	Resp:	1449
Ion Ratio	Lower	Upper	
154	100		
153	114.9	89.8	134.8
152	59.2	47.5	71.3

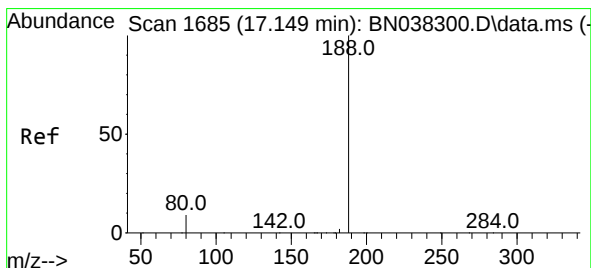
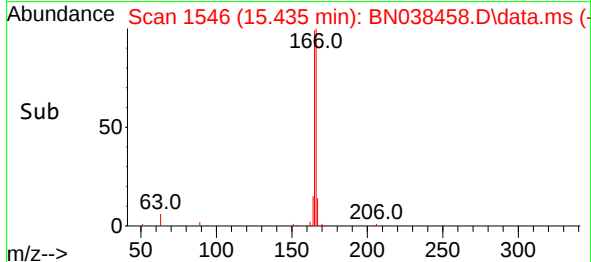
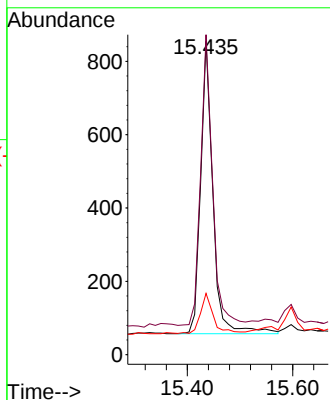
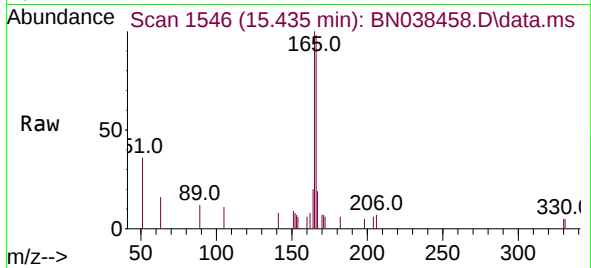




#18
Fluorene
Concen: 0.045 ng
RT: 15.435 min Scan# 1546
Delta R.T. -0.011 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

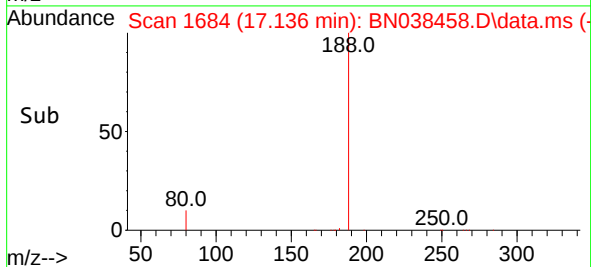
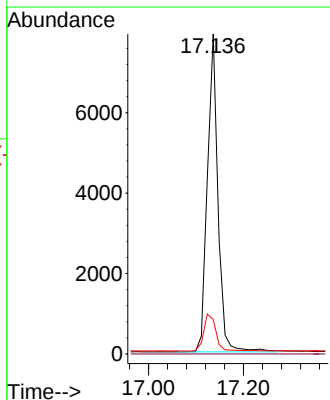
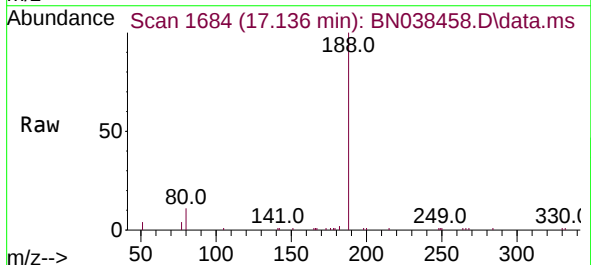
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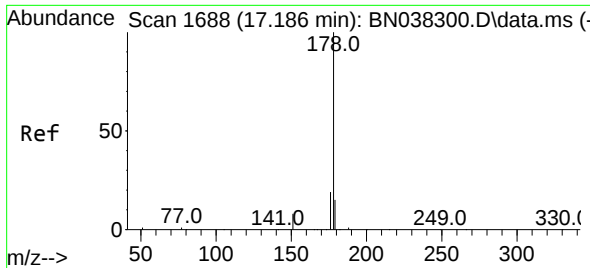
Tgt Ion:166 Resp: 1348
Ion Ratio Lower Upper
166 100
165 92.4 80.2 120.4
167 13.4 10.6 16.0



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

Tgt Ion:188 Resp: 12233
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.8 7.4 11.0

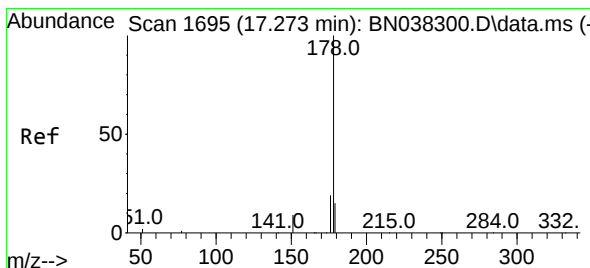
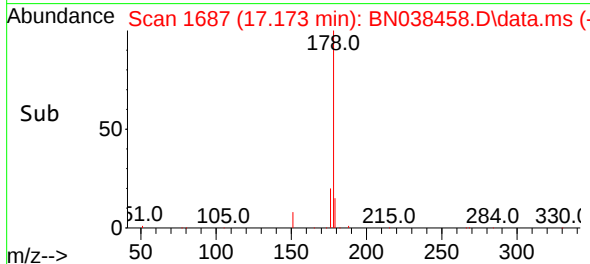
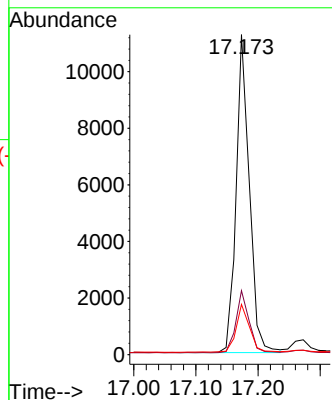
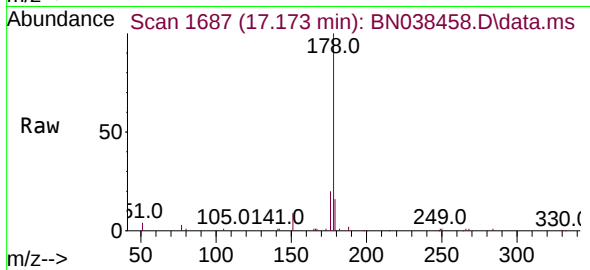




#25
Phenanthrene
Concen: 0.388 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

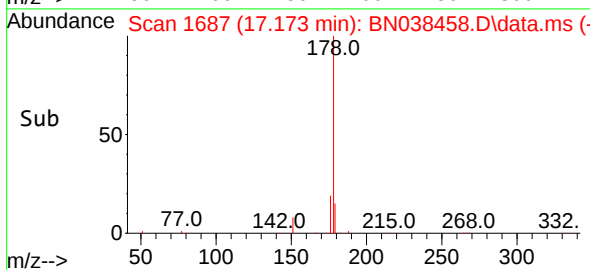
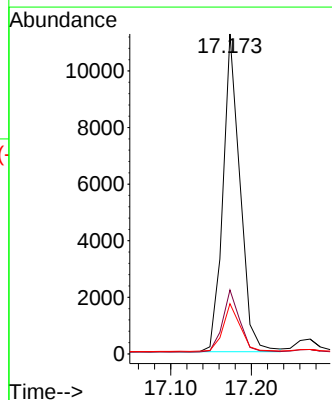
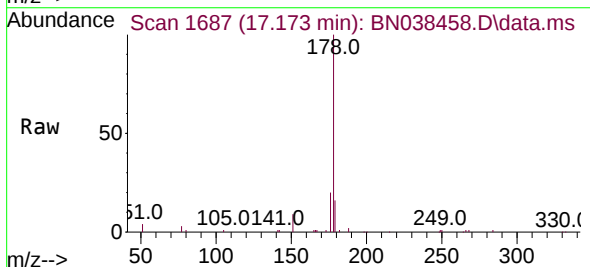
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-121125

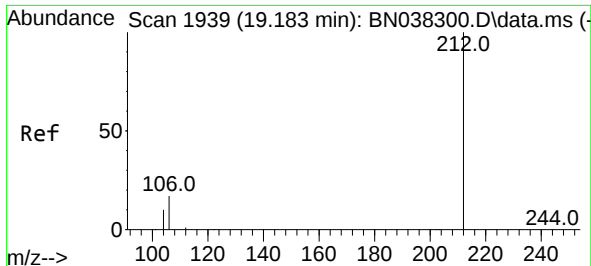
Tgt Ion:178 Resp: 16514
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.4 12.2 18.2



#26
Anthracene
Concen: 0.449 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.112 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

Tgt Ion:178 Resp: 16474
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.3 12.0 18.0

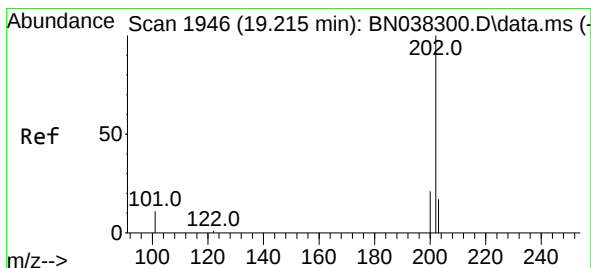
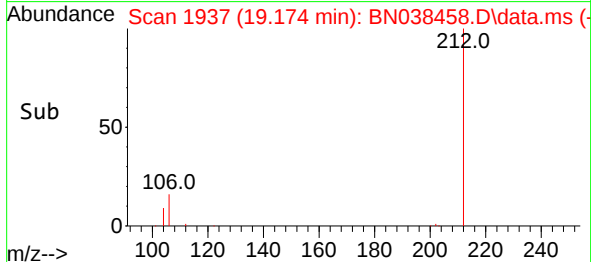
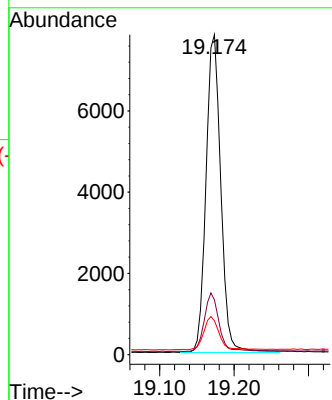
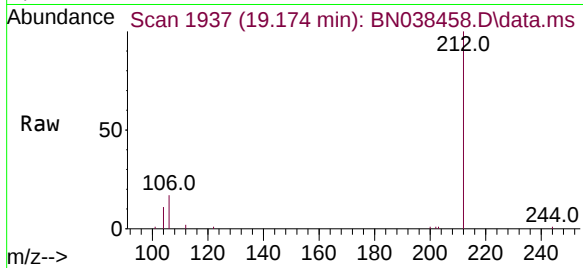




#27
Fluoranthene-d10
Concen: 0.356 ng
RT: 19.174 min Scan# 1937
Delta R.T. -0.014 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

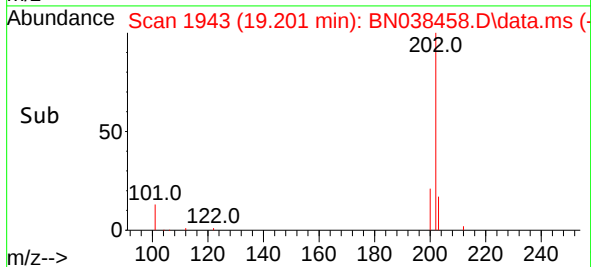
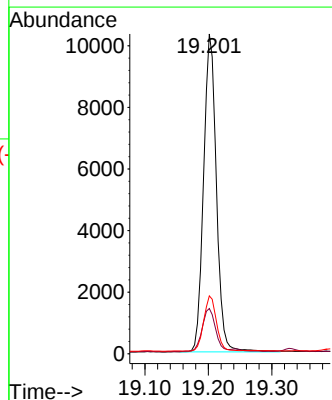
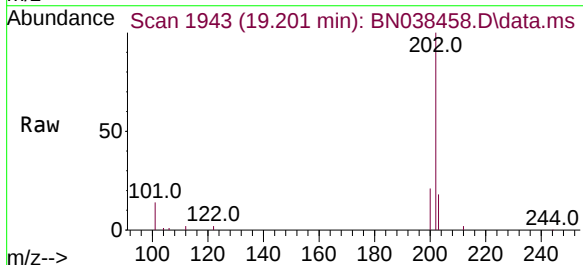
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-121125

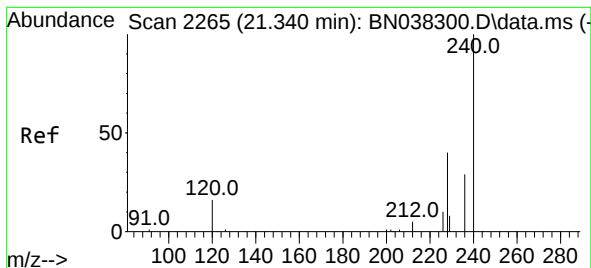
Tgt Ion:212 Resp: 10785
Ion Ratio Lower Upper
212 100
106 18.1 13.7 20.5
104 11.0 7.8 11.8



#28
Fluoranthene
Concen: 0.320 ng
RT: 19.201 min Scan# 1943
Delta R.T. -0.018 min
Lab File: BN038458.D
Acq: 17 Dec 2025 01:23

Tgt Ion:202 Resp: 14489
Ion Ratio Lower Upper
202 100
101 14.2 9.6 14.4
203 17.2 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.331 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038458.D

Acq: 17 Dec 2025 01:23

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-121125

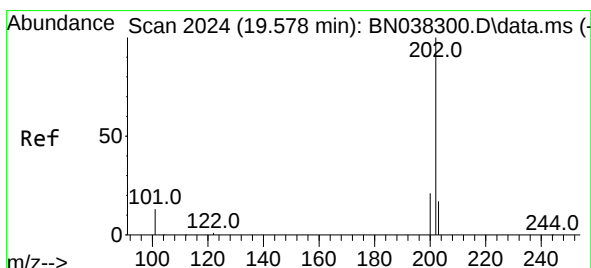
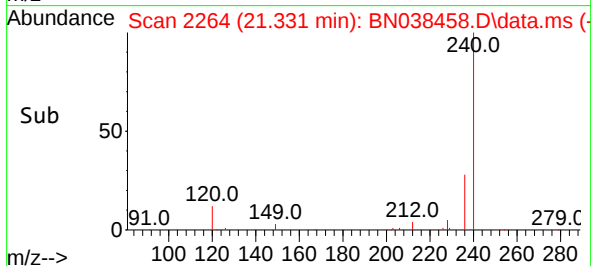
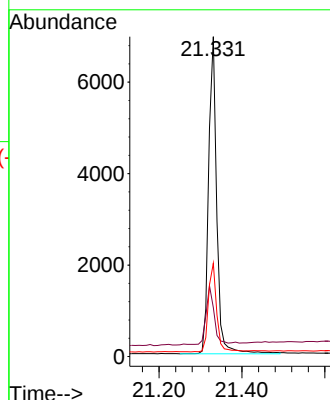
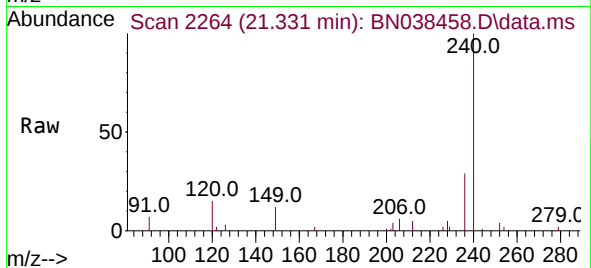
Tgt Ion:240 Resp: 9386

Ion Ratio Lower Upper

240 100

120 15.3 15.4 23.2#

236 29.2 23.9 35.9



#30

Pyrene

Concen: 0.220 ng

RT: 19.564 min Scan# 2021

Delta R.T. -0.018 min

Lab File: BN038458.D

Acq: 17 Dec 2025 01:23

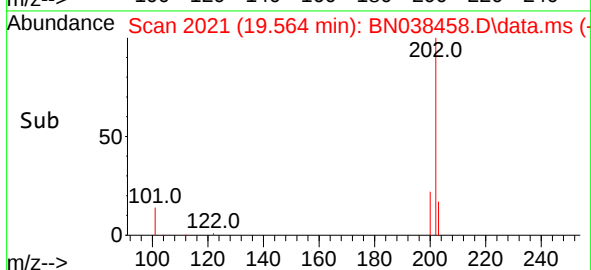
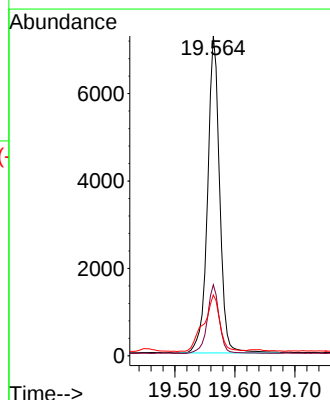
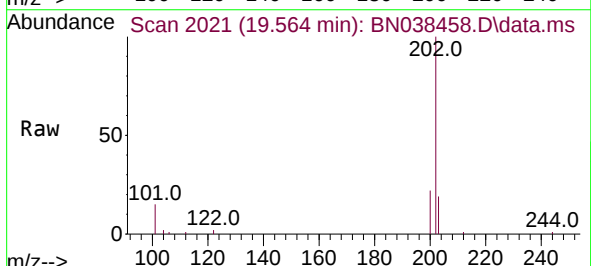
Tgt Ion:202 Resp: 10144

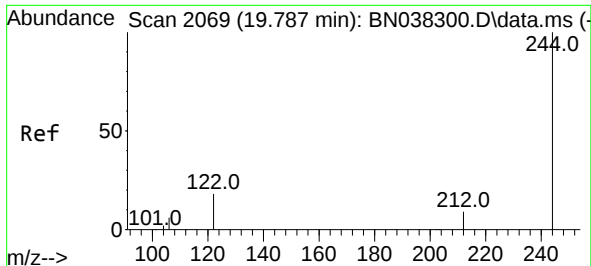
Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

203 23.9 14.2 21.2#

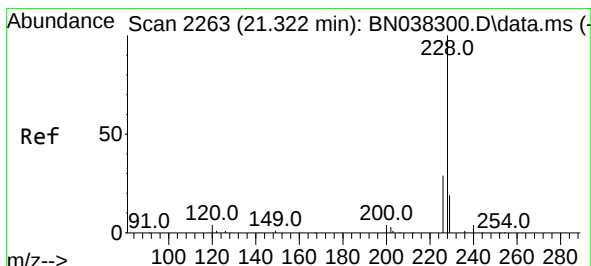
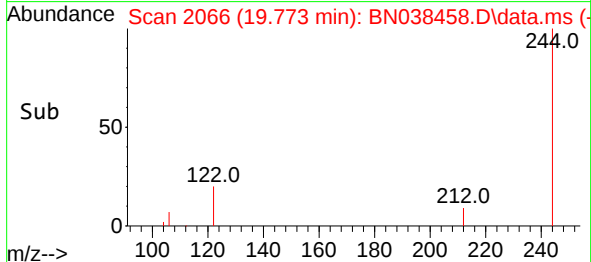
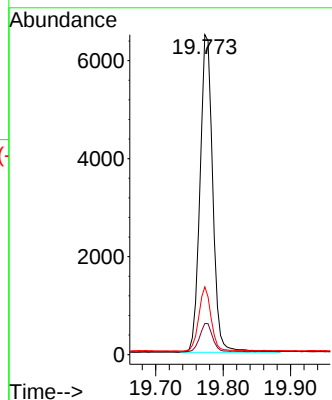
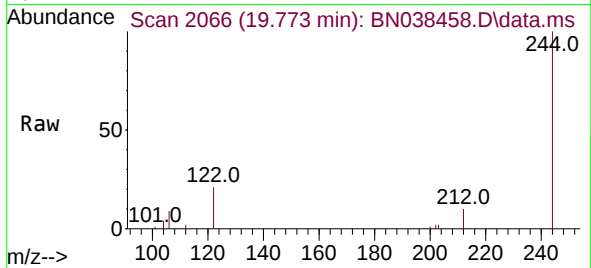




#31
 Terphenyl-d14
 Concen: 0.405 ng
 RT: 19.773 min Scan# 2066
 Delta R.T. -0.018 min
 Lab File: BN038458.D
 Acq: 17 Dec 2025 01:23

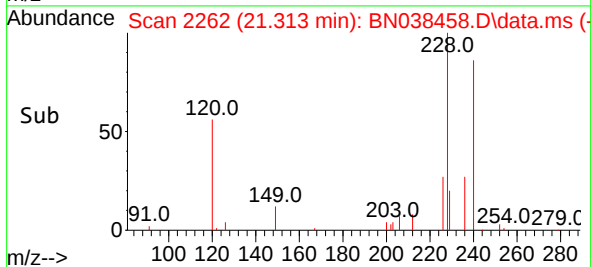
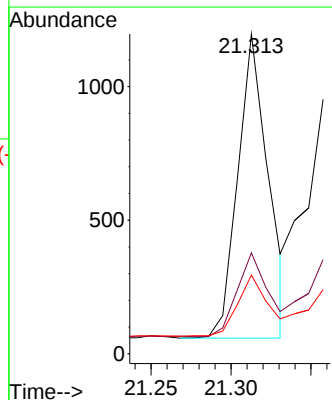
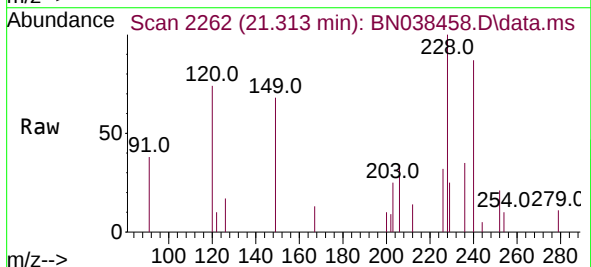
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-121125

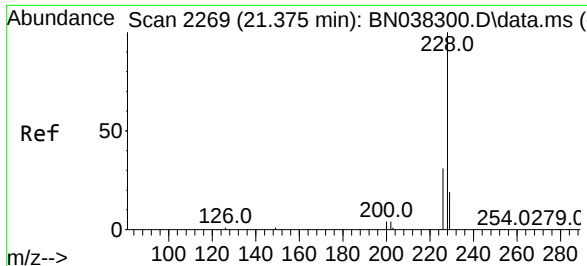
Tgt Ion:244 Resp: 8493
 Ion Ratio Lower Upper
 244 100
 212 9.7 7.9 11.9
 122 21.2 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.042 ng
 RT: 21.313 min Scan# 2262
 Delta R.T. -0.018 min
 Lab File: BN038458.D
 Acq: 17 Dec 2025 01:23

Tgt Ion:228 Resp: 1506
 Ion Ratio Lower Upper
 228 100
 226 31.6 23.3 34.9
 229 24.6 15.7 23.5#





#33

Chrysene

Concen: 0.049 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038458.D

Acq: 17 Dec 2025 01:23

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-121125

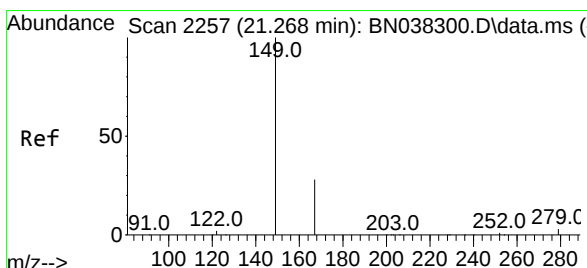
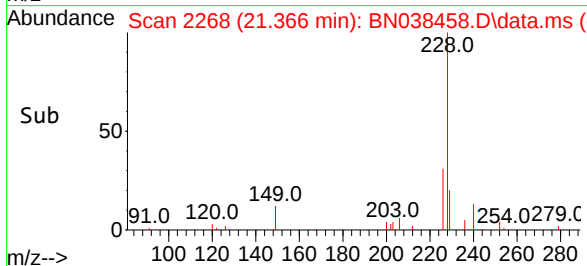
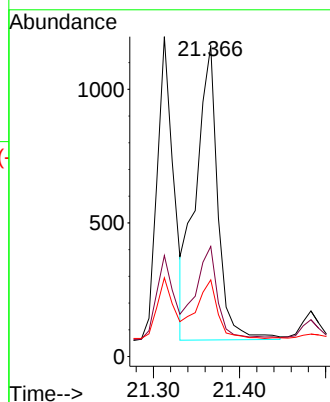
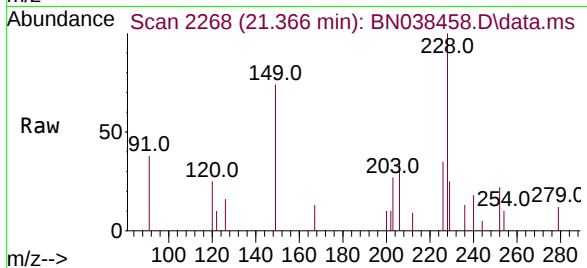
Tgt Ion:228 Resp: 1968

Ion Ratio Lower Upper

228 100

226 35.4 25.0 37.4

229 24.7 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.075 ng

RT: 21.250 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BN038458.D

Acq: 17 Dec 2025 01:23

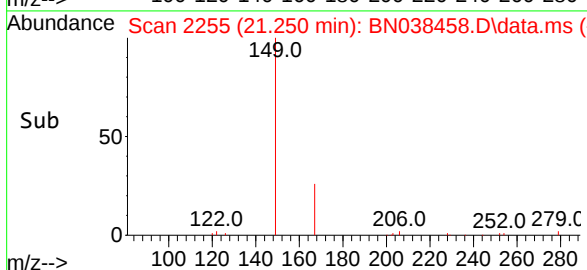
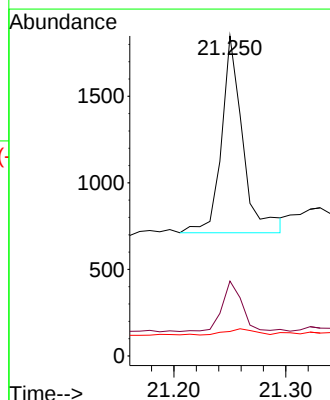
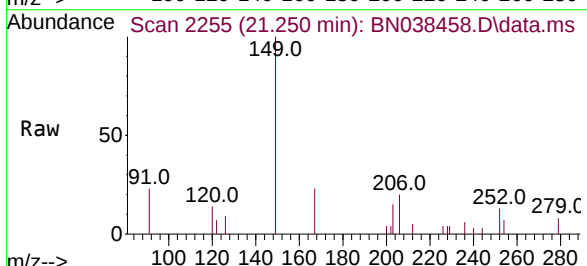
Tgt Ion:149 Resp: 1500

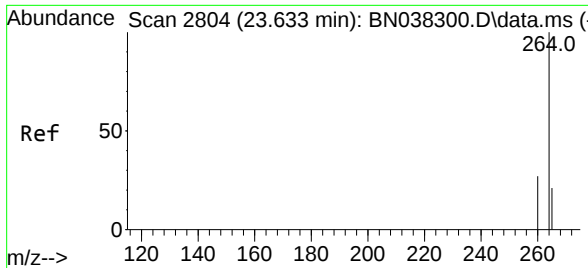
Ion Ratio Lower Upper

149 100

167 24.4 21.4 32.0

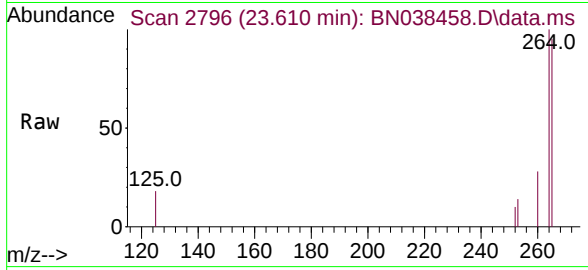
279 4.2 2.4 3.6#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.610 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BN038458.D
 Acq: 17 Dec 2025 01:23

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-121125



Tgt Ion:264 Resp: 9482

Ion	Ratio	Lower	Upper
264	100		
260	27.8	22.2	33.2
265	94.9	80.2	120.2

