

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037608.D
 Acq On : 19 Aug 2025 15:29
 Operator : RC/JU
 Sample : Q2869-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325

Quant Time: Aug 20 01:26:54 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)

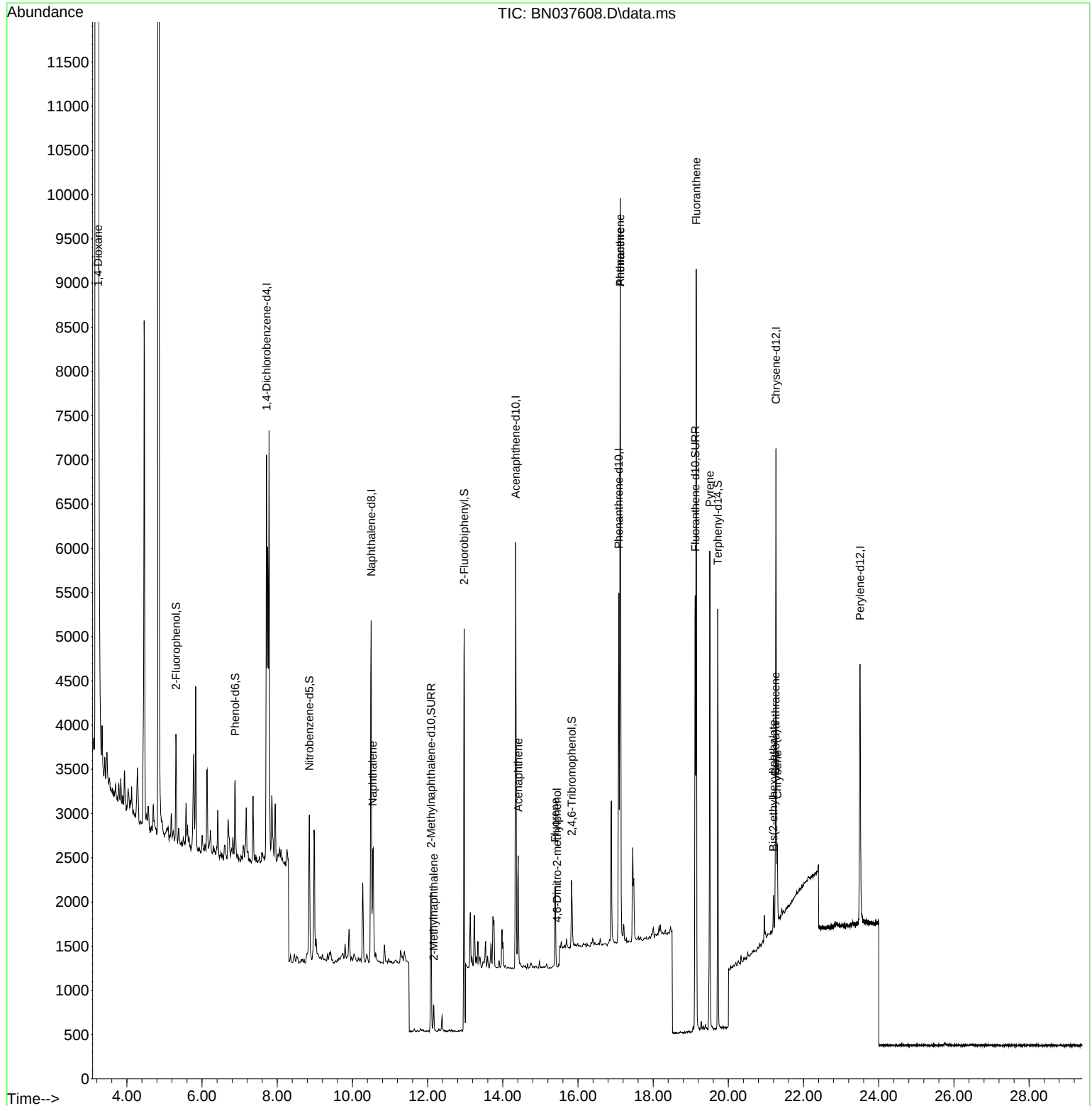
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2200	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5205	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2609	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5274	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4636	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	4050	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	826	0.166	ng	0.00
5) Phenol-d6	6.879	99	576	0.096	ng	0.00
8) Nitrobenzene-d5	8.854	82	1306	0.356	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	2188	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	421	0.369	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	5552	0.368	ng	0.00
27) Fluoranthene-d10	19.118	212	5219	0.376	ng	0.00
31) Terphenyl-d14	19.717	244	4571	0.479	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.232	88	11100	5.274	ng	# 95
9) Naphthalene	10.541	128	1436	0.104	ng	# 91
12) 2-Methylnaphthalene	12.161	142	233	0.027	ng	# 88
17) Acenaphthene	14.409	154	611	0.077	ng	98
18) Fluorene	15.392	166	597	0.057	ng	98
20) 4,6-Dinitro-2-methylph...	15.446	198	2	0.183	ng	# 1
25) Phenanthrene	17.124	178	8597	0.536	ng	100
26) Anthracene	17.124	178	8596	0.606	ng	99
28) Fluoranthene	19.146	202	7523	0.408	ng	99
30) Pyrene	19.508	202	5017	0.289	ng	# 94
32) Benzo(a)anthracene	21.250	228	535	0.035	ng	# 85
33) Chrysene	21.304	228	762	0.044	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.196	149	466	0.073	ng	# 91

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

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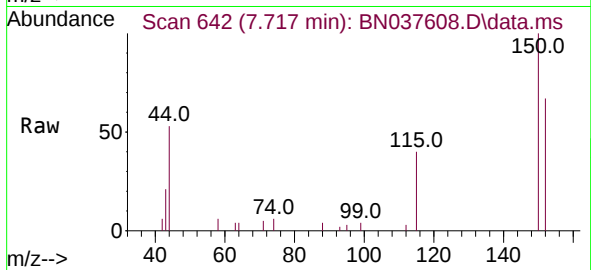
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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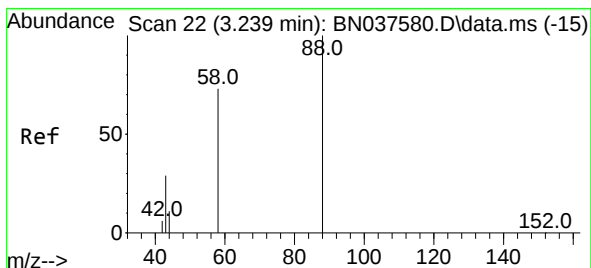
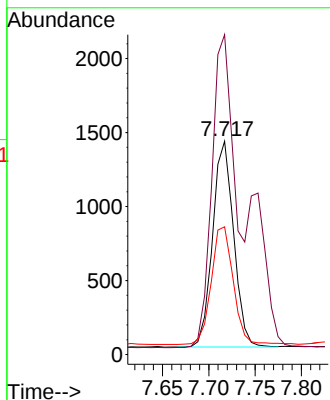
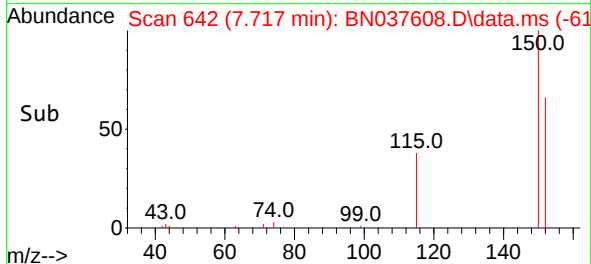


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

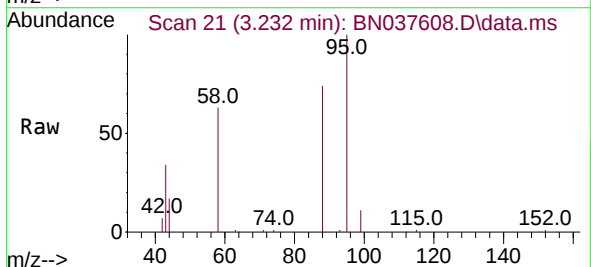
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325



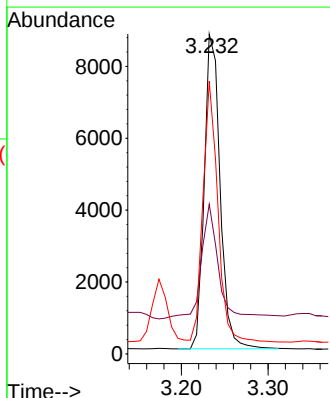
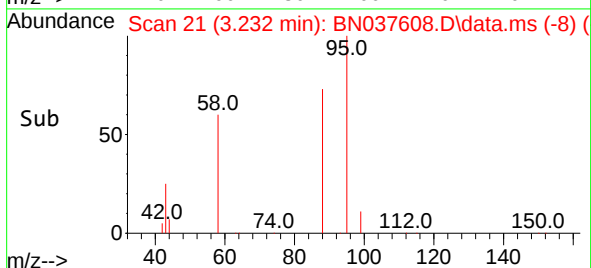
Tgt Ion:152 Resp: 2200
 Ion Ratio Lower Upper
 152 100
 150 149.9 122.2 183.4
 115 59.8 49.8 74.6

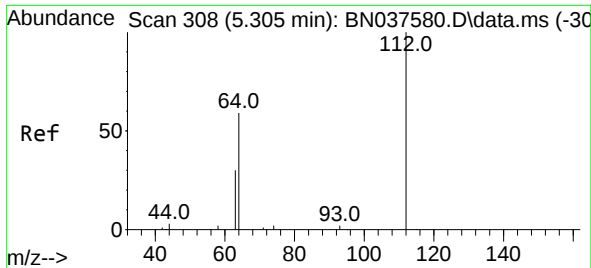


#2
 1,4-Dioxane
 Concen: 5.274 ng
 RT: 3.232 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29



Tgt Ion: 88 Resp: 11100
 Ion Ratio Lower Upper
 88 100
 43 40.0 25.8 38.6#
 58 77.1 61.2 91.8

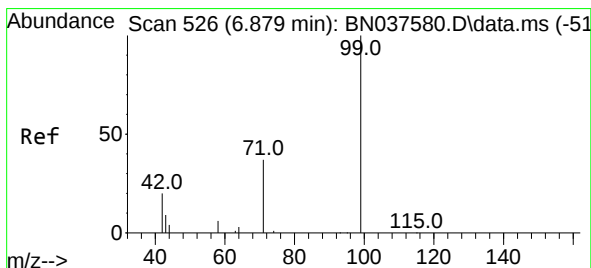
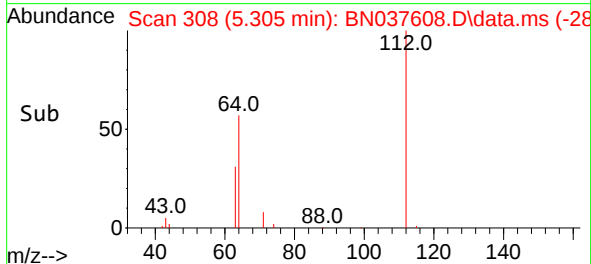
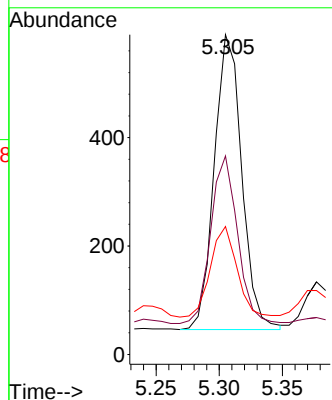
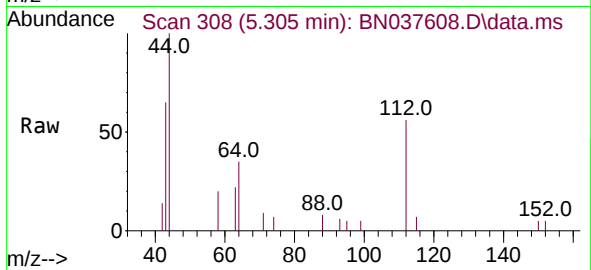




#4
2-Fluorophenol
Concen: 0.166 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

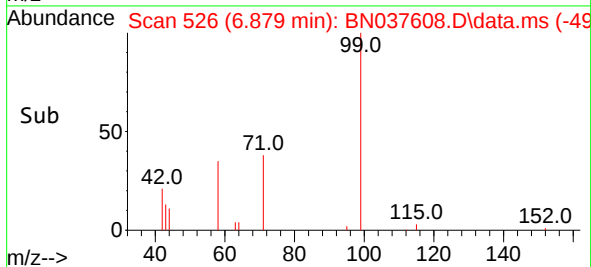
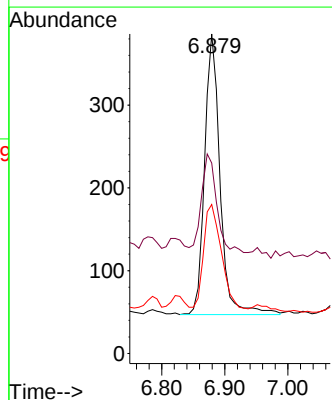
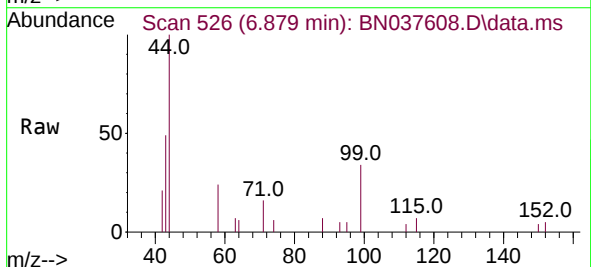
Instrument :
BNA_N
ClientSampleId :
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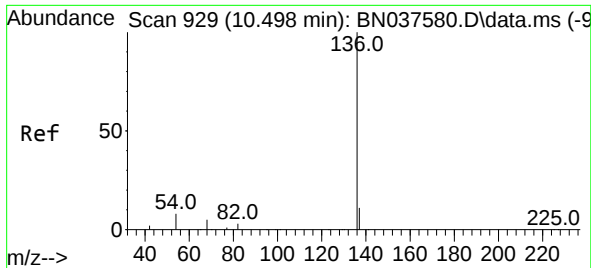
Tgt Ion:	112	Resp:	826
Ion	Ratio	Lower	Upper
112	100		
64	55.4	44.9	67.3
63	29.8	23.4	35.2



#5
Phenol-d6
Concen: 0.096 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:	99	Resp:	576
Ion	Ratio	Lower	Upper
99	100		
42	34.5	18.5	27.7#
71	43.4	28.6	42.8#

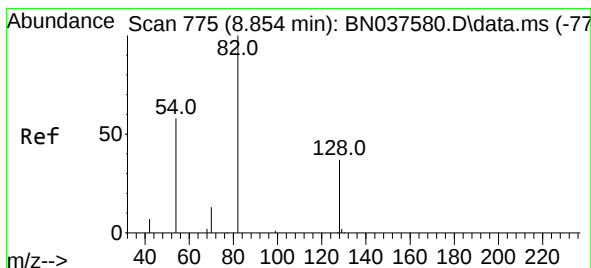
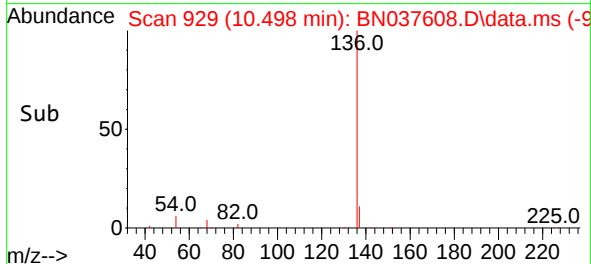
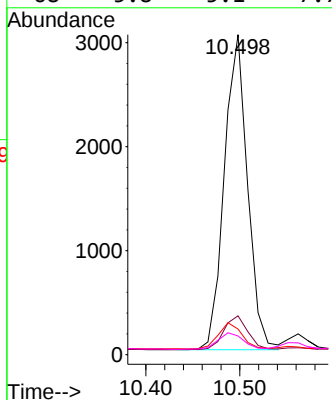
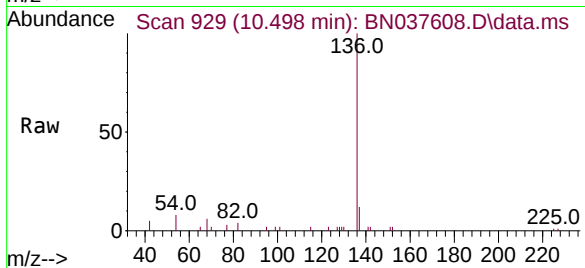




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

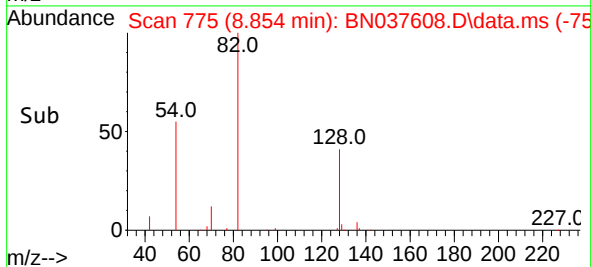
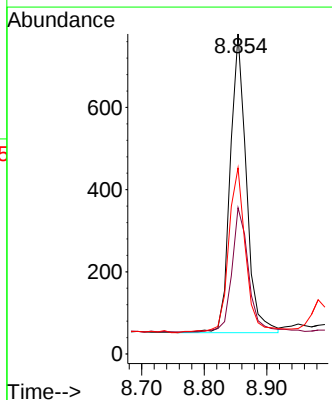
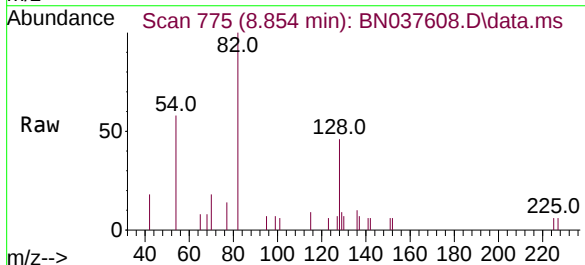
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

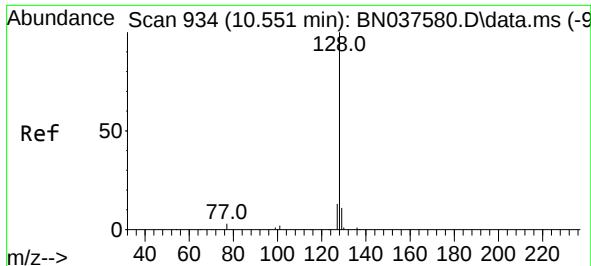
Tgt Ion:	136	Resp:	5205
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	8.0	7.3	10.9
68	5.8	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:	82	Resp:	1306
Ion	Ratio	Lower	Upper
82	100		
128	45.7	32.6	48.8
54	58.2	48.9	73.3

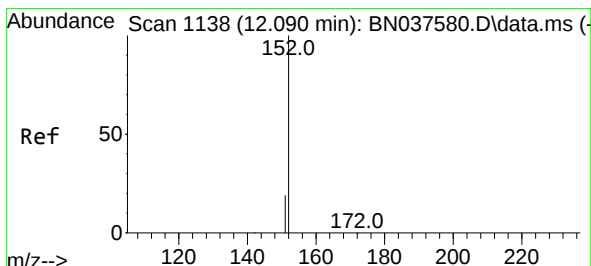
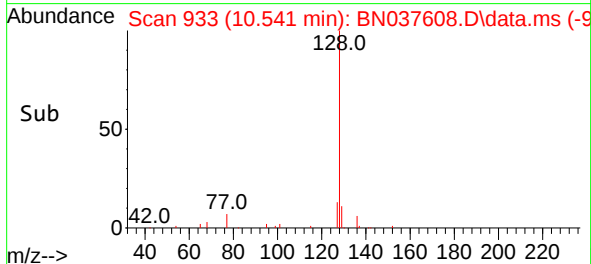
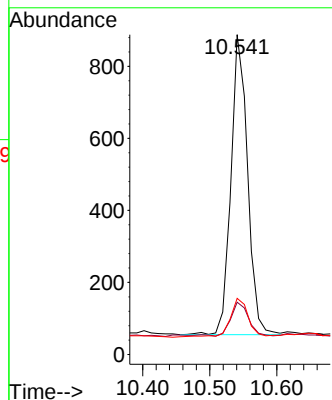
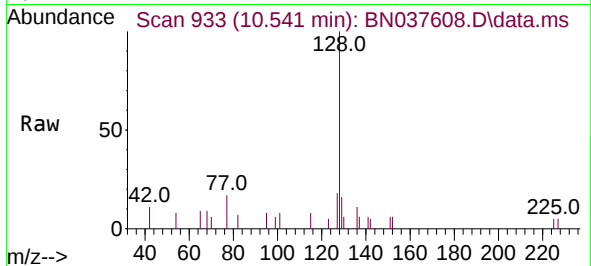




#9
Naphthalene
Concen: 0.104 ng
RT: 10.541 min Scan# 934
Delta R.T. -0.011 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

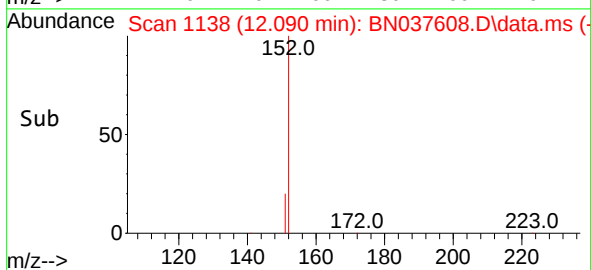
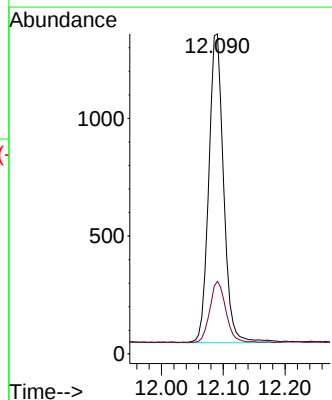
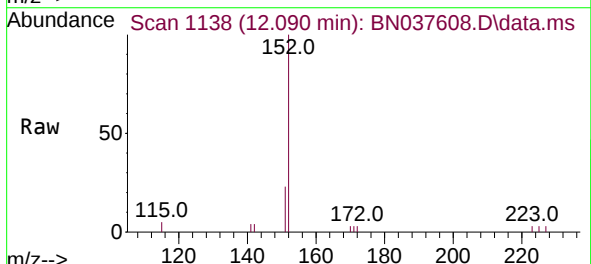
Instrument :
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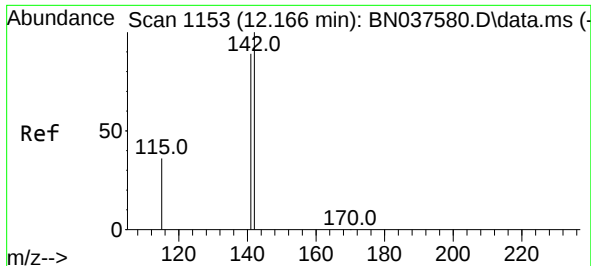
Tgt Ion:128 Resp: 1436
Ion Ratio Lower Upper
128 100
129 16.3 9.8 14.6#
127 17.6 11.5 17.3#



#11
2-Methylnaphthalene-d10
Concen: 0.309 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:152 Resp: 2188
Ion Ratio Lower Upper
152 100
151 21.4 17.3 25.9

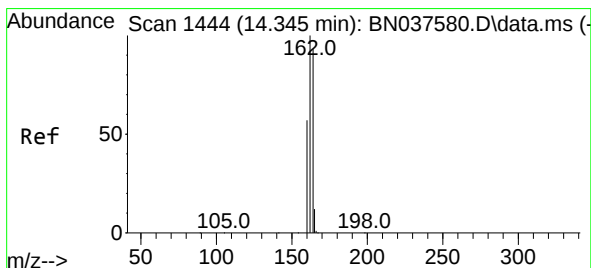
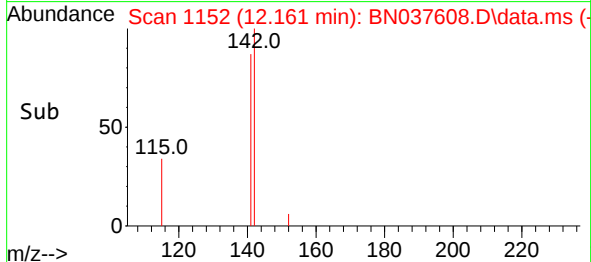
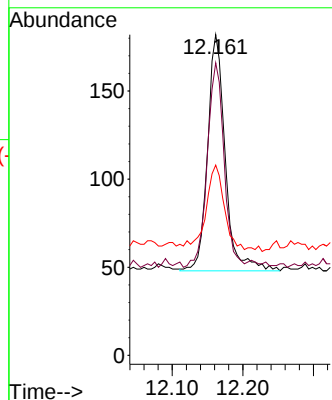
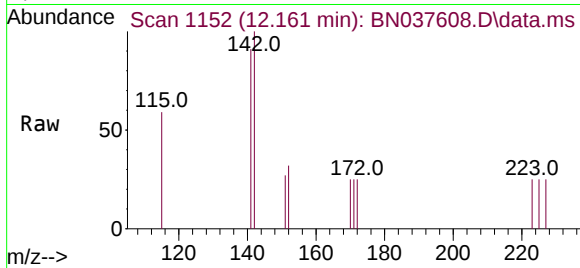




#12
2-Methylnaphthalene
Concen: 0.027 ng
RT: 12.161 min Scan# 1153
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

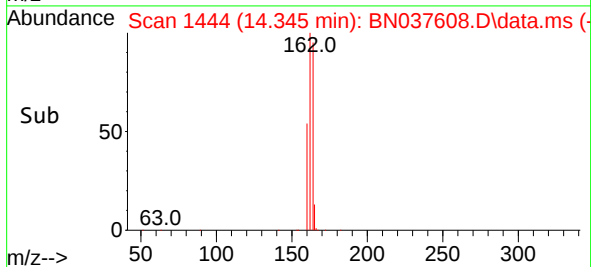
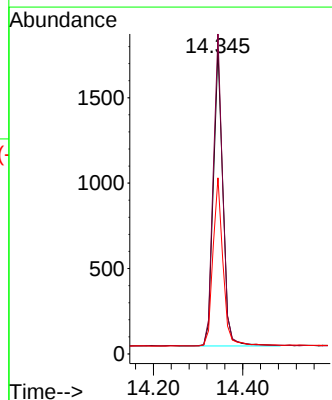
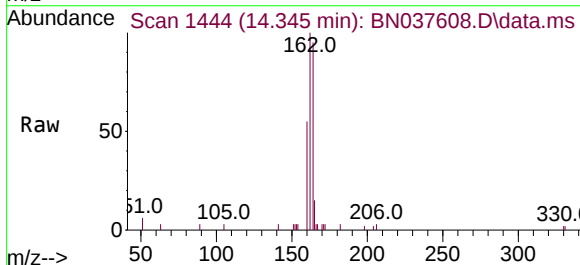
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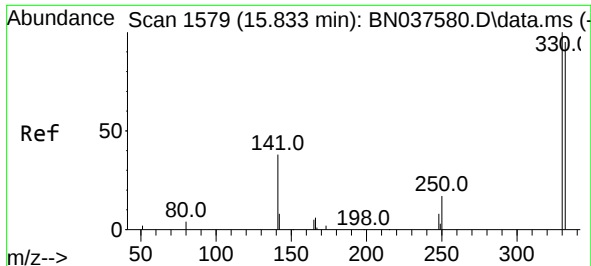
Tgt Ion:	142	Resp:	233
Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.4	107.0
115	59.3	30.2	45.4



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:	164	Resp:	2609
Ion	Ratio	Lower	Upper
164	100		
162	105.2	85.5	128.3
160	57.9	49.5	74.3

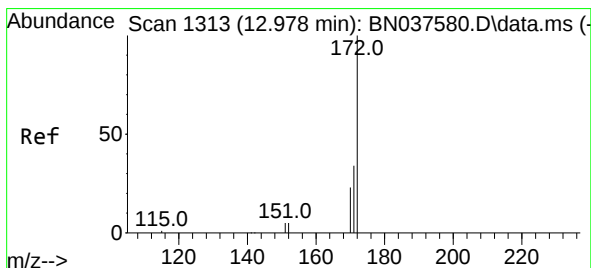
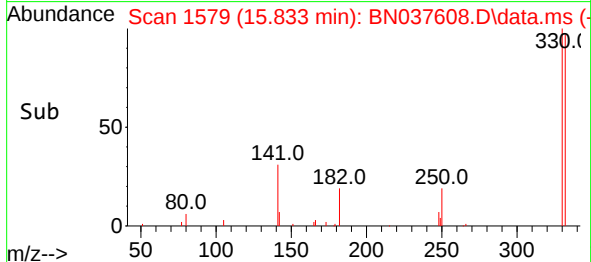
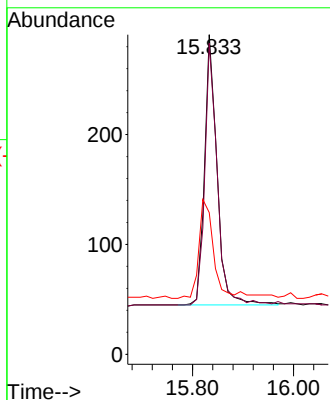
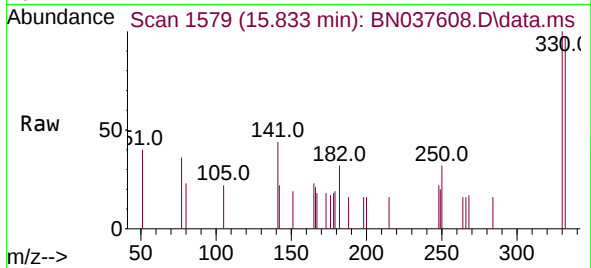




#14
 2,4,6-Tribromophenol
 Concen: 0.369 ng
 RT: 15.833 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

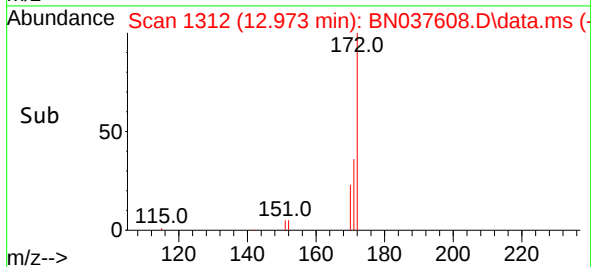
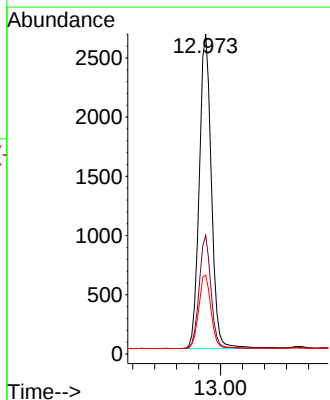
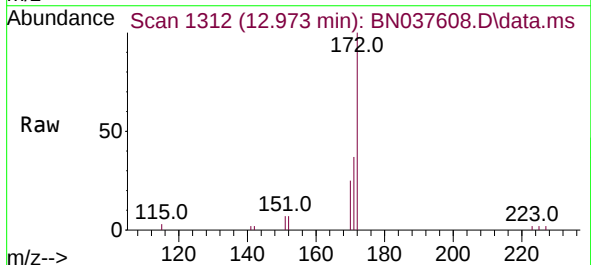
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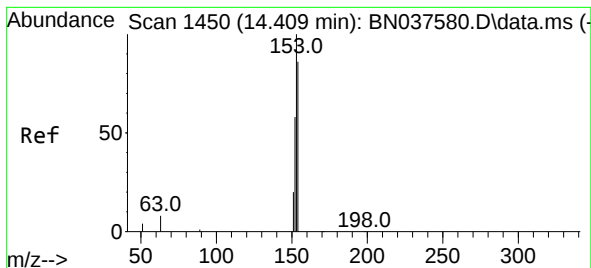
Tgt Ion:330 Resp: 421
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.4 116.0
 141 41.6 30.9 46.3



#15
 2-Fluorobiphenyl
 Concen: 0.368 ng
 RT: 12.973 min Scan# 1312
 Delta R.T. -0.005 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

Tgt Ion:172 Resp: 5552
 Ion Ratio Lower Upper
 172 100
 171 37.0 28.2 42.4
 170 24.6 19.2 28.8





#17

Acenaphthene

Concen: 0.077 ng

RT: 14.409 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

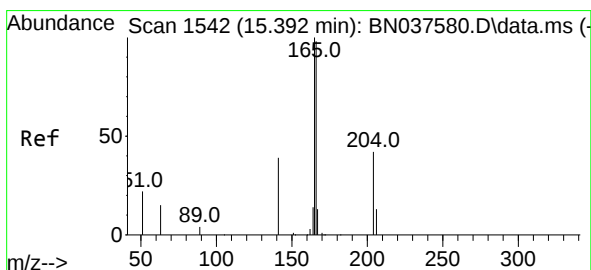
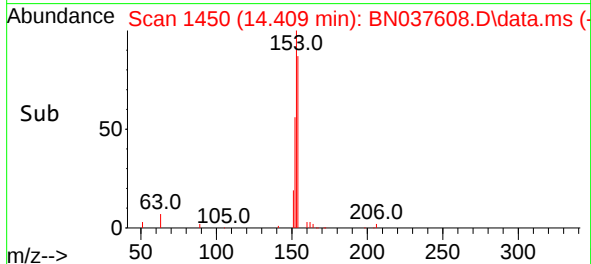
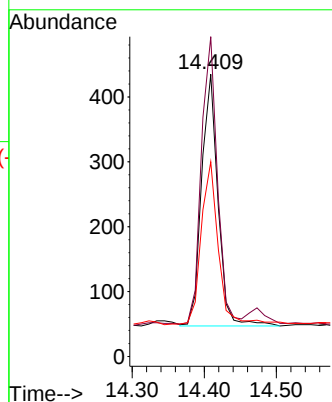
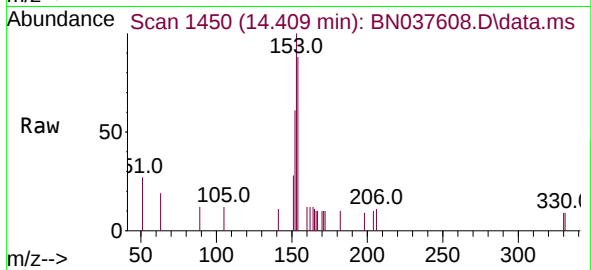
Tgt Ion:154 Resp: 611

Ion Ratio Lower Upper

154 100

153 111.1 90.6 135.8

152 66.6 54.9 82.3



#18

Fluorene

Concen: 0.057 ng

RT: 15.392 min Scan# 1542

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

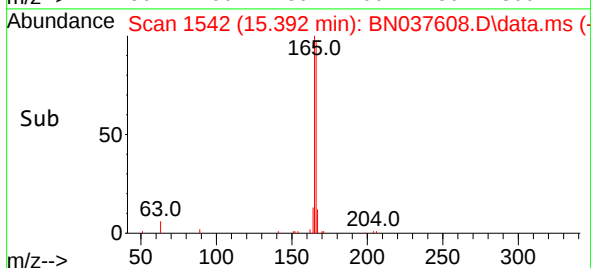
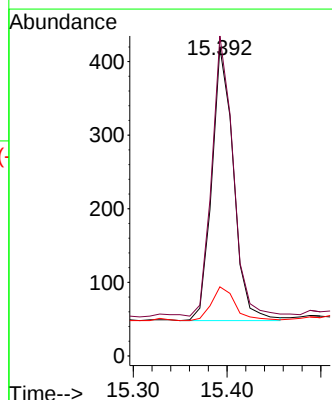
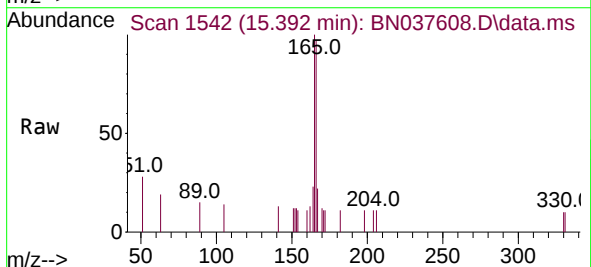
Tgt Ion:166 Resp: 597

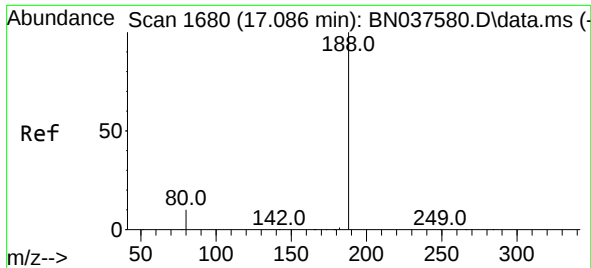
Ion Ratio Lower Upper

166 100

165 100.3 78.9 118.3

167 13.6 10.7 16.1

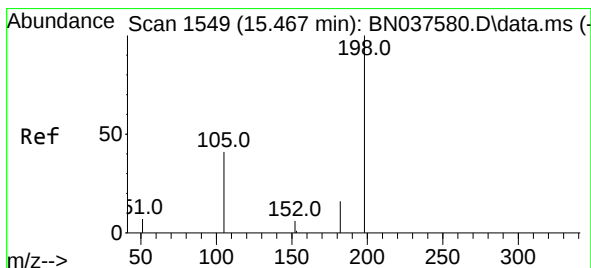
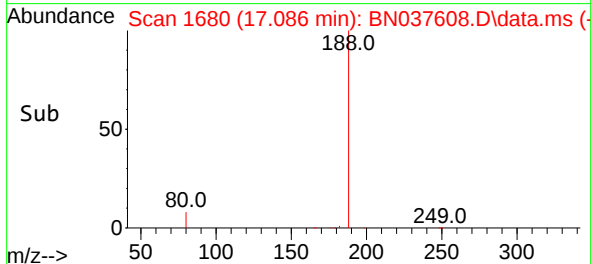
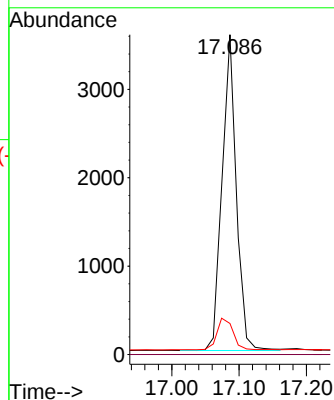
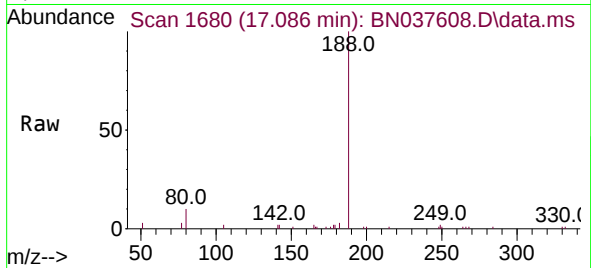




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 10
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

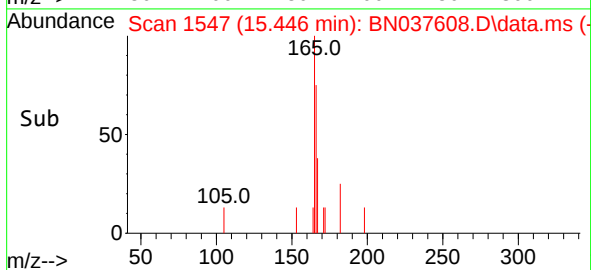
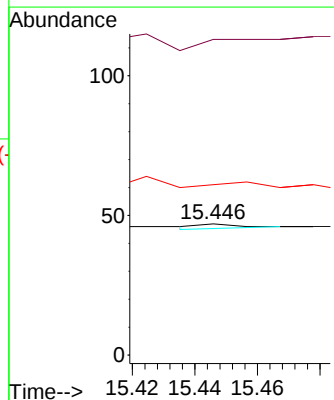
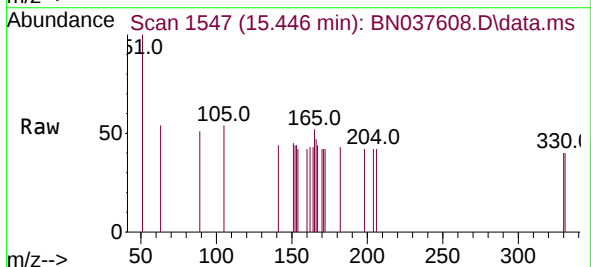
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

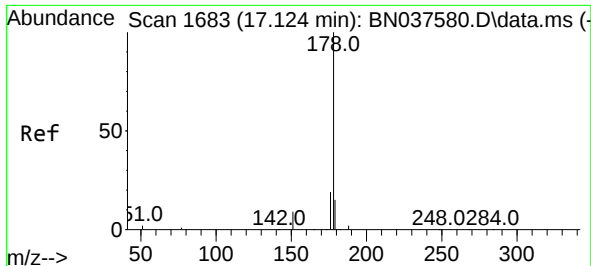
Tgt Ion:	188	Resp:	5274
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.7	9.1	13.7



#20
4,6-Dinitro-2-methylphenol
Concen: 0.183 ng
RT: 15.446 min Scan# 1547
Delta R.T. -0.021 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:	198	Resp:	2
Ion Ratio	Lower	Upper	
198	100		
51	240.4	81.0	121.6#
105	129.8	52.5	78.7#

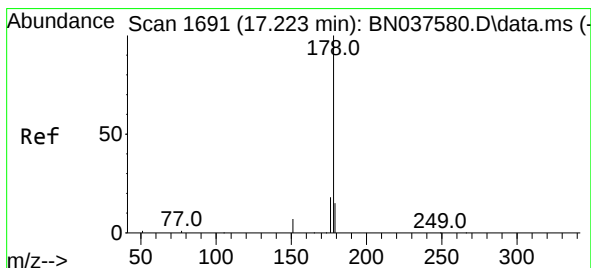
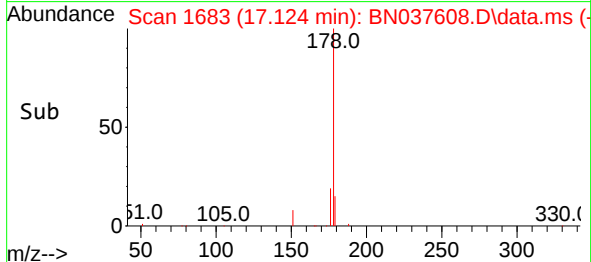
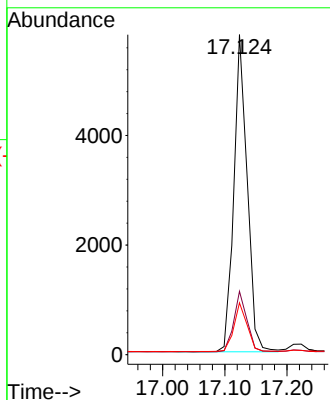
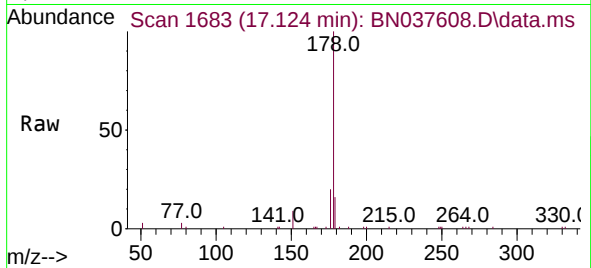




#25
Phenanthrene
Concen: 0.536 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

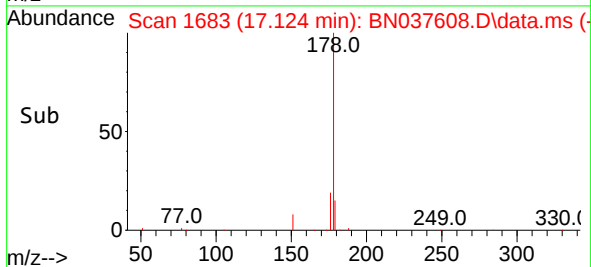
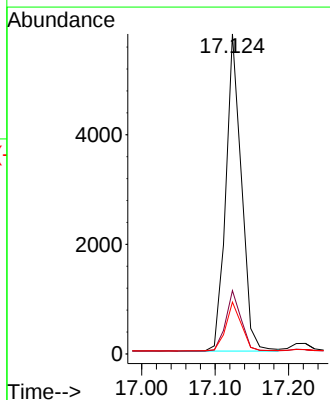
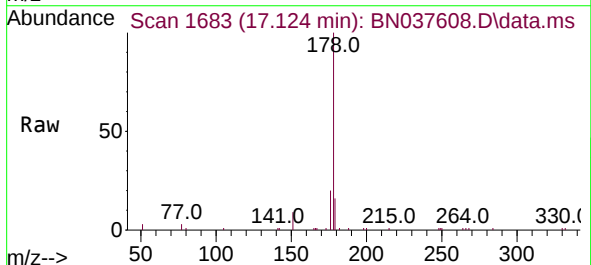
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

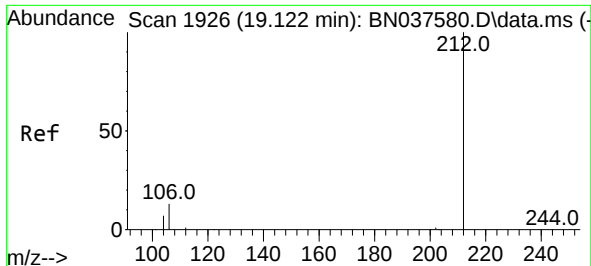
Tgt Ion:178 Resp: 8597
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.5 12.3 18.5



#26
Anthracene
Concen: 0.606 ng
RT: 17.124 min Scan# 1683
Delta R.T. -0.099 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:178 Resp: 8596
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.5 12.3 18.5

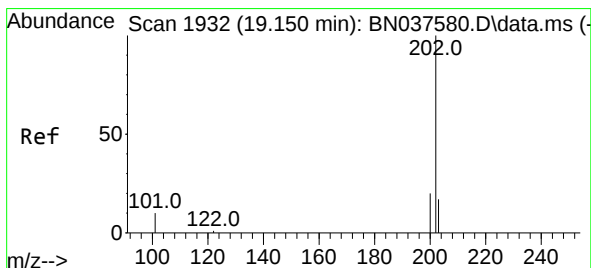
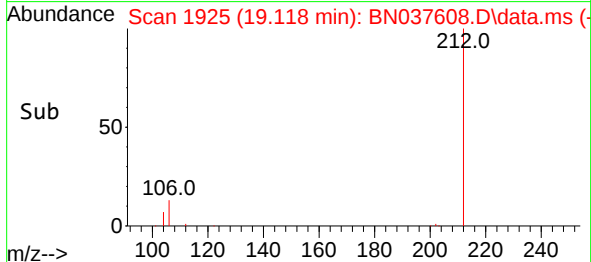
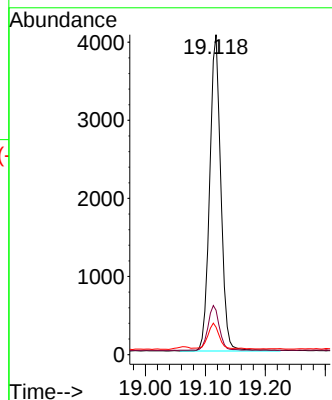
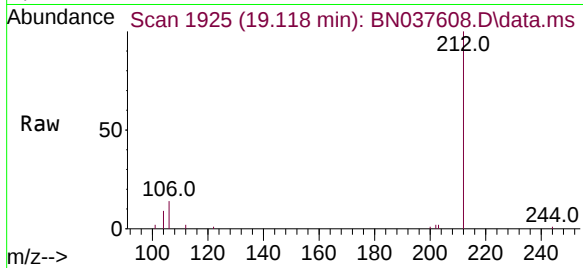




#27
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.118 min Scan# 1919
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

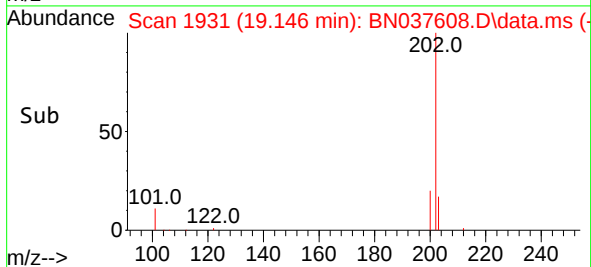
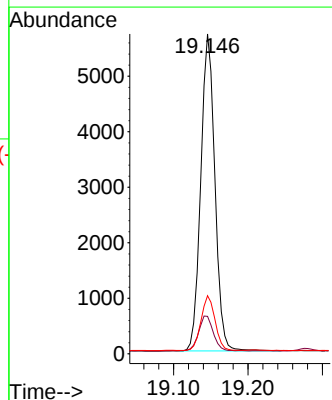
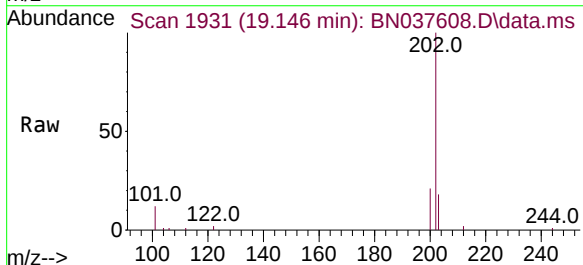
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325

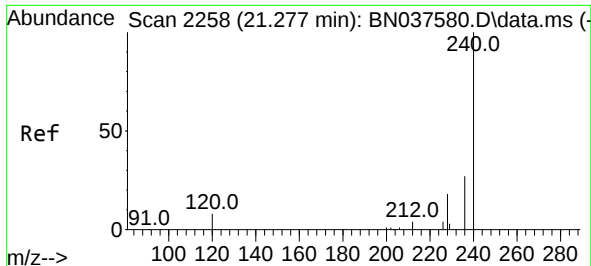
Tgt Ion:212 Resp: 5219
Ion Ratio Lower Upper
212 100
106 14.7 11.5 17.3
104 7.8 6.6 9.8



#28
Fluoranthene
Concen: 0.408 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037608.D
Acq: 19 Aug 2025 15:29

Tgt Ion:202 Resp: 7523
Ion Ratio Lower Upper
202 100
101 11.5 9.0 13.6
203 17.1 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: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

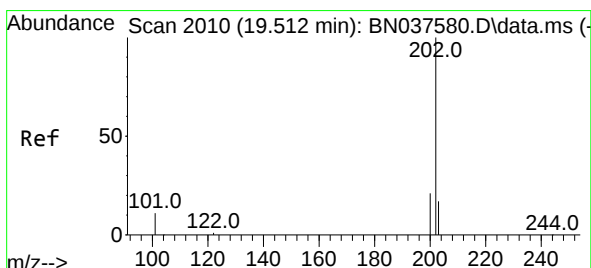
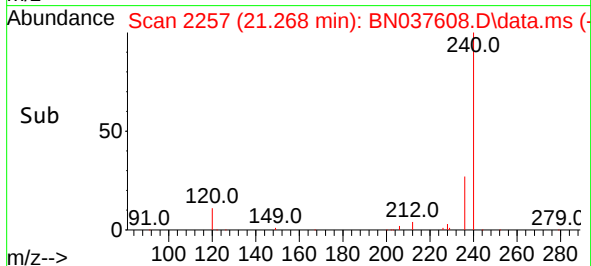
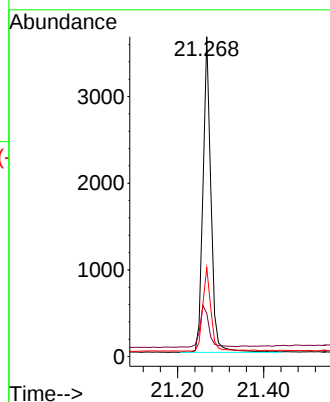
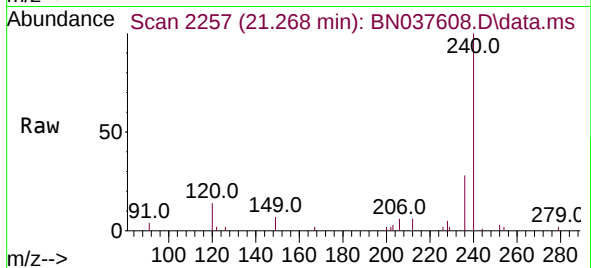
Tgt Ion:240 Resp: 4636

Ion Ratio Lower Upper

240 100

120 13.5 8.9 13.3#

236 27.8 22.6 33.8



#30

Pyrene

Concen: 0.289 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.005 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

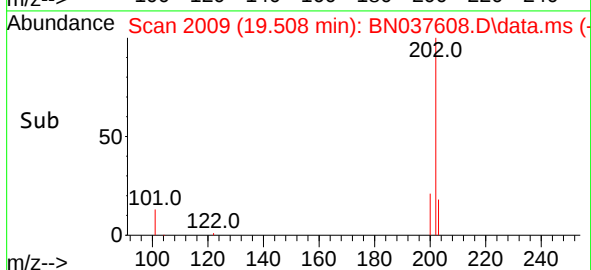
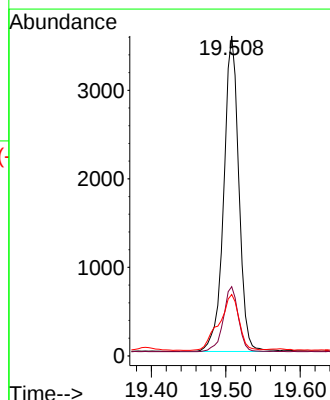
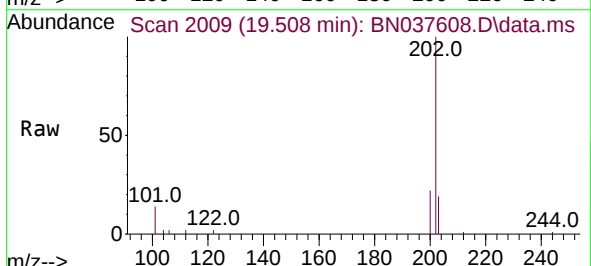
Tgt Ion:202 Resp: 5017

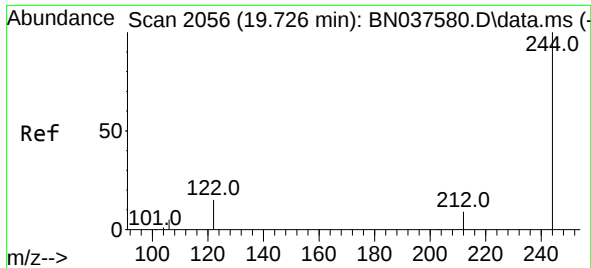
Ion Ratio Lower Upper

202 100

200 20.6 16.6 25.0

203 23.3 14.3 21.5#

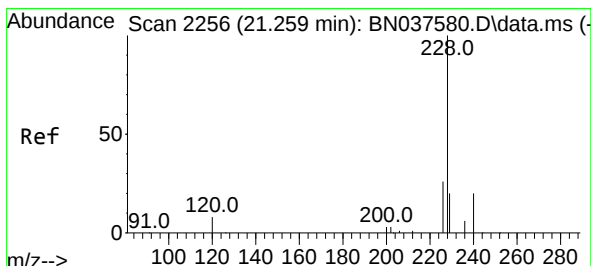
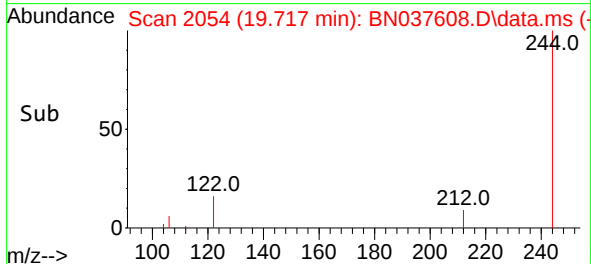
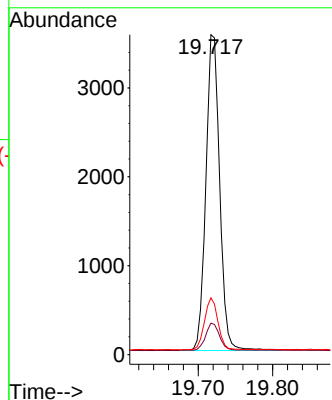
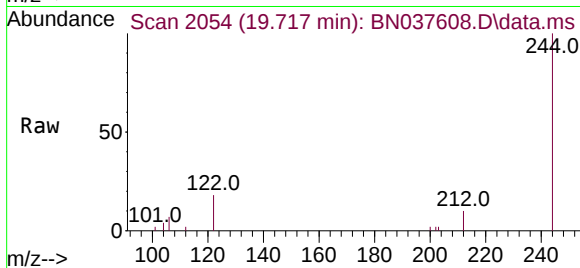




#31
 Terphenyl-d14
 Concen: 0.479 ng
 RT: 19.717 min Scan# 2054
 Delta R.T. -0.009 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

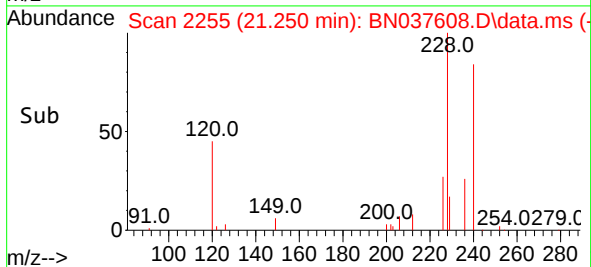
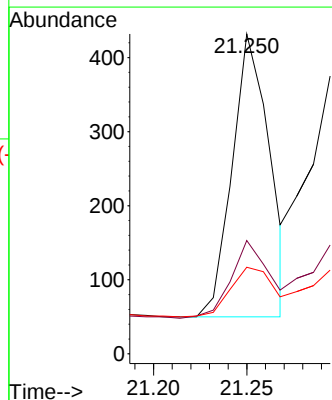
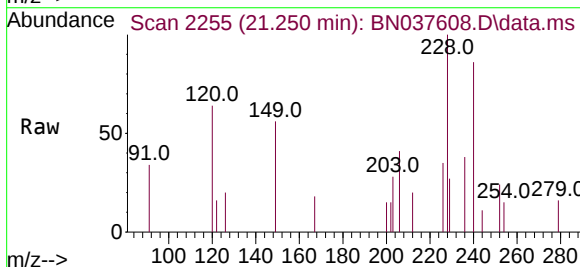
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325

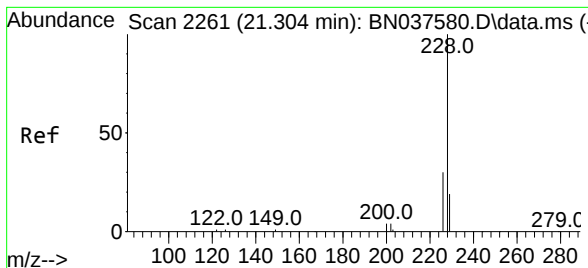
Tgt Ion:244 Resp: 4571
 Ion Ratio Lower Upper
 244 100
 212 9.8 8.2 12.2
 122 17.7 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.035 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.009 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

Tgt Ion:228 Resp: 535
 Ion Ratio Lower Upper
 228 100
 226 35.4 21.5 32.3#
 229 27.1 16.5 24.7#





#33

Chrysene

Concen: 0.044 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325

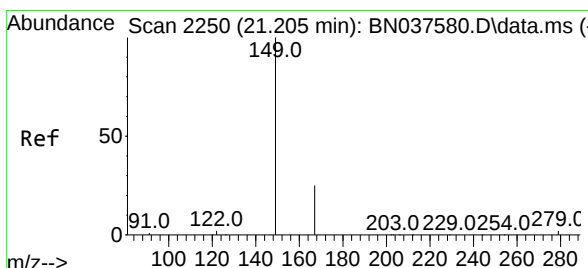
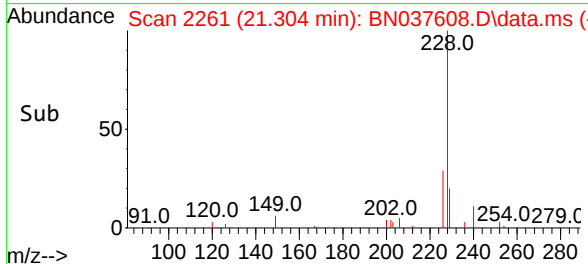
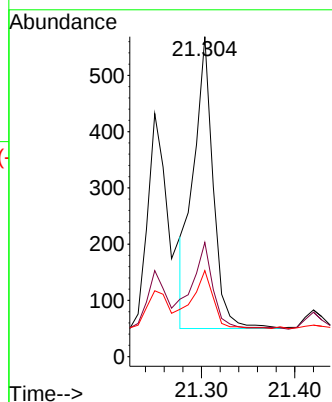
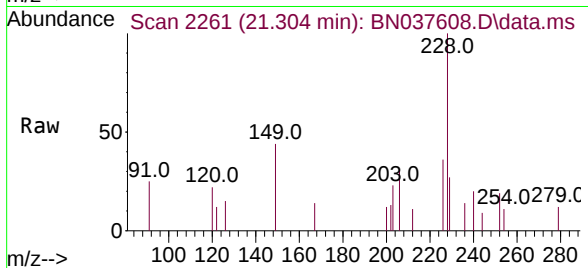
Tgt Ion:228 Resp: 762

Ion Ratio Lower Upper

228 100

226 35.7 24.9 37.3

229 26.9 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.073 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037608.D

Acq: 19 Aug 2025 15:29

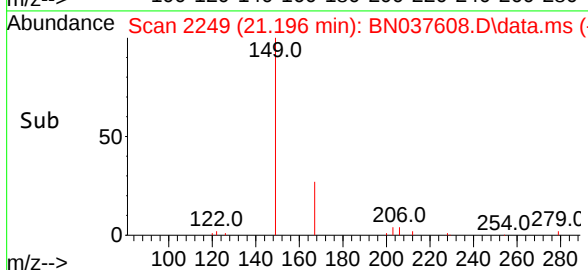
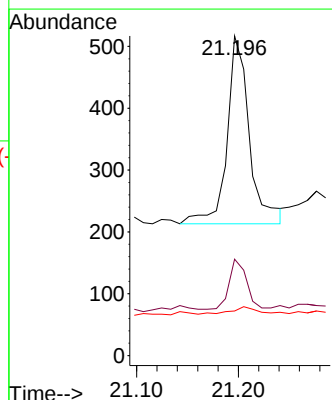
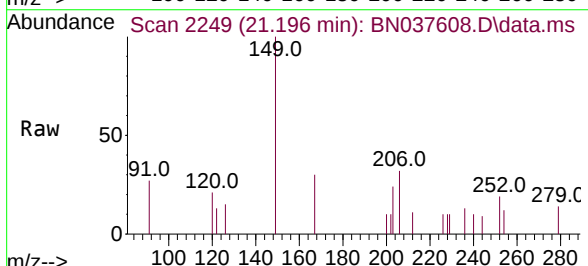
Tgt Ion:149 Resp: 466

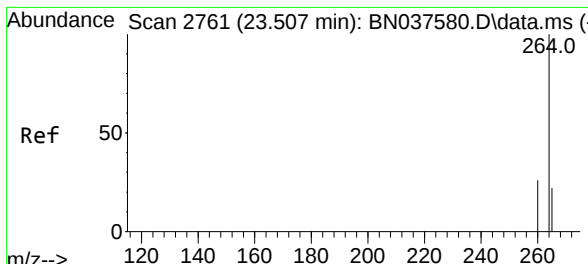
Ion Ratio Lower Upper

149 100

167 20.6 20.5 30.7

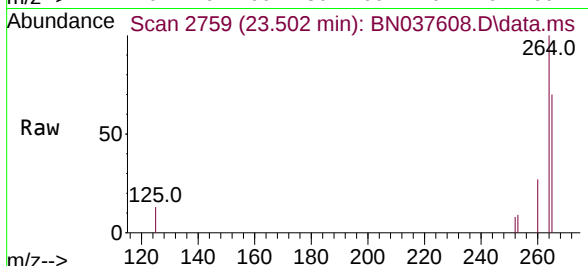
279 4.3 2.6 4.0#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.502 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN037608.D
 Acq: 19 Aug 2025 15:29

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325



Tgt Ion: 264 Resp: 4050

Ion	Ratio	Lower	Upper
264	100		
260	26.8	21.6	32.4
265	70.3	48.2	72.4

