

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037611.D
 Acq On : 19 Aug 2025 17:18
 Operator : RC/JU
 Sample : Q2869-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 20 01:27:45 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)

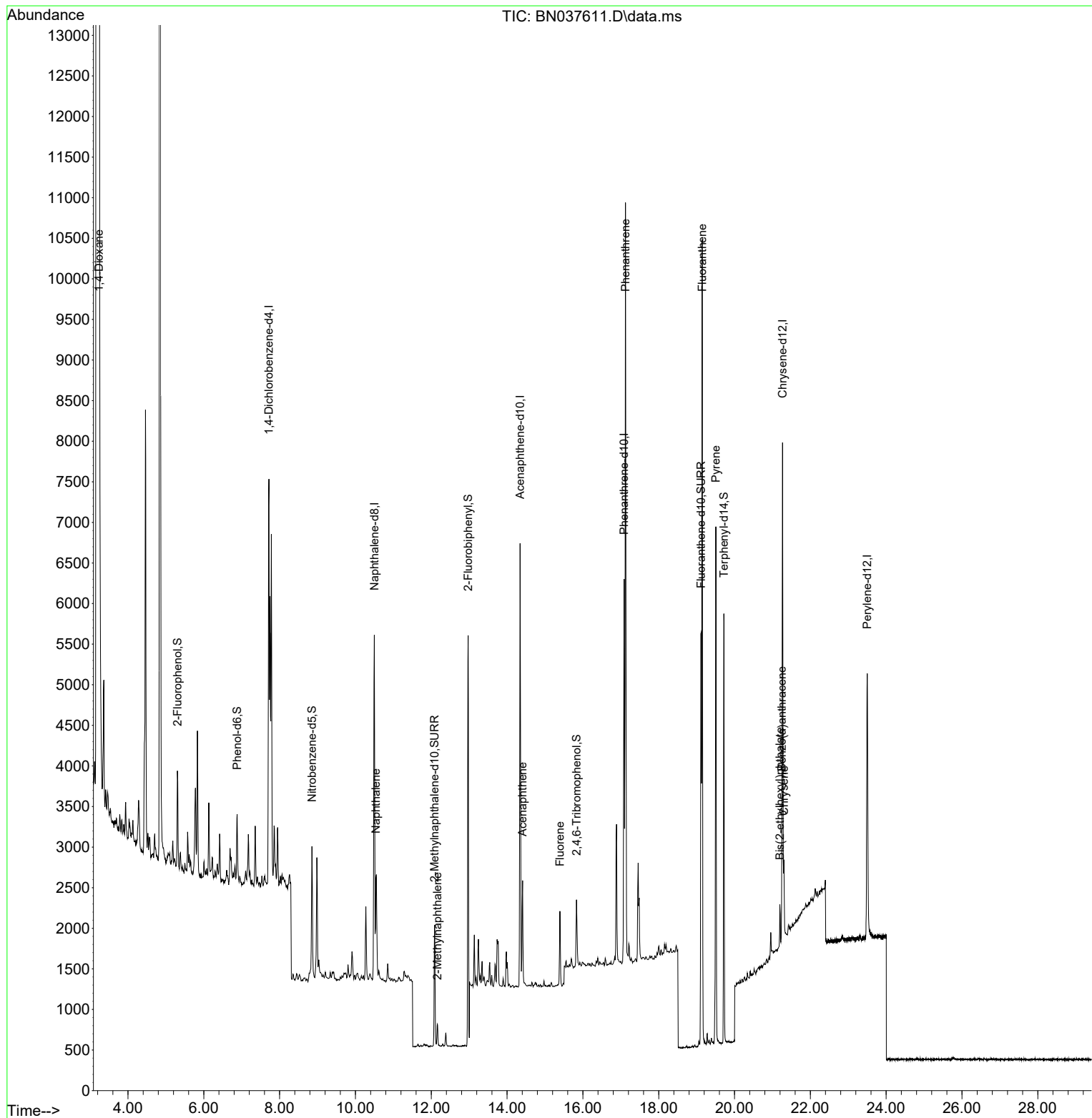
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2373	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5766	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2949	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	6117	0.400	ng	0.00
29) Chrysene-d12	21.268	240	5268	0.400	ng	0.00
35) Perylene-d12	23.502	264	4705	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	795	0.148	ng	0.00
5) Phenol-d6	6.879	99	552	0.085	ng	0.00
8) Nitrobenzene-d5	8.854	82	1252	0.308	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	2115	0.270	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	474	0.367	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	6190	0.363	ng	0.00
27) Fluoranthene-d10	19.118	212	5749	0.357	ng	0.00
31) Terphenyl-d14	19.722	244	5180	0.478	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.232	88	10850	4.779	ng	97
9) Naphthalene	10.541	128	1441	0.094	ng	# 90
12) 2-Methylnaphthalene	12.161	142	213	0.022	ng	# 83
17) Acenaphthene	14.409	154	610	0.068	ng	98
18) Fluorene	15.392	166	600	0.051	ng	99
25) Phenanthrene	17.124	178	9312	0.501	ng	99
28) Fluoranthene	19.146	202	8713	0.408	ng	100
30) Pyrene	19.508	202	5864	0.298	ng	# 94
32) Benzo(a)anthracene	21.250	228	641	0.036	ng	# 84
33) Chrysene	21.304	228	991	0.051	ng	# 88
34) Bis(2-ethylhexyl)phtha...	21.196	149	511	0.070	ng	# 94

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

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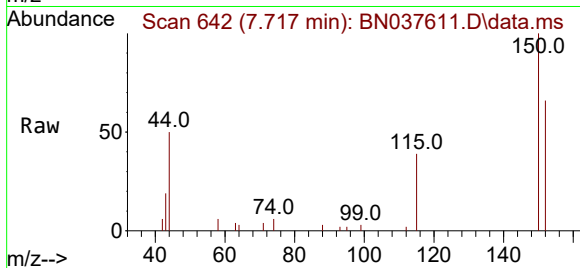
Quant Time: Aug 20 01:27:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
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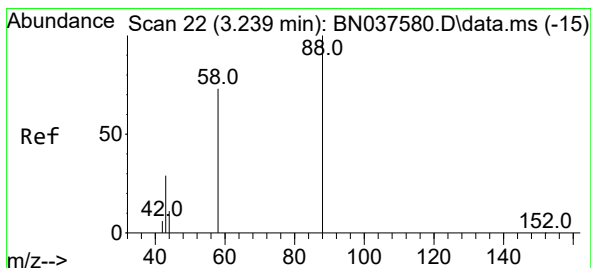
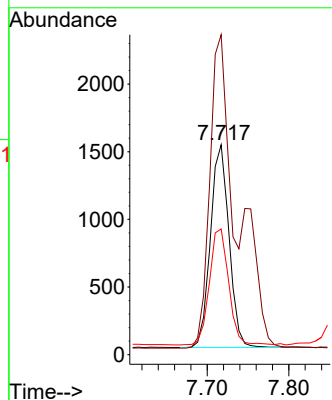
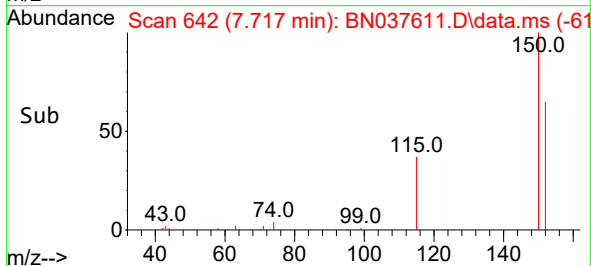


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN037611.D
 Acq: 19 Aug 2025 17:18

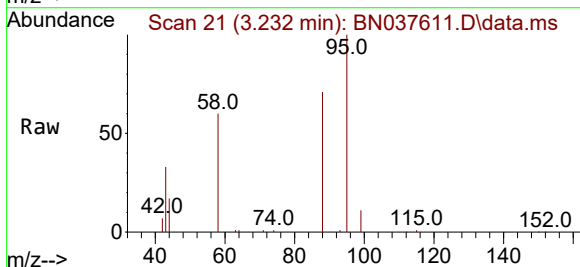
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325-FD



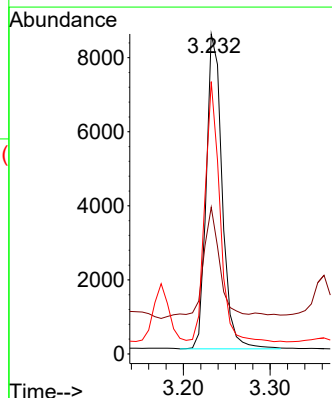
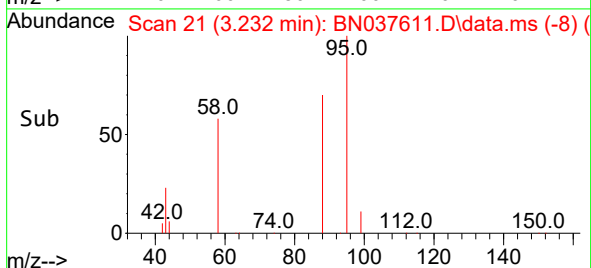
Tgt Ion:152 Resp: 2373
 Ion Ratio Lower Upper
 152 100
 150 152.4 122.2 183.4
 115 59.9 49.8 74.6

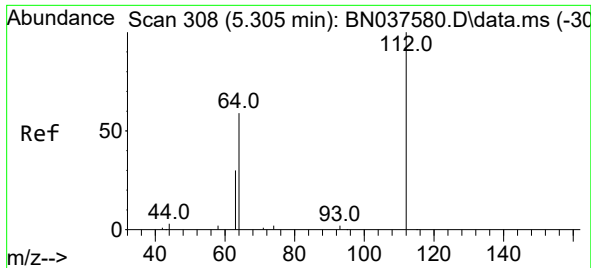


#2
 1,4-Dioxane
 Concen: 4.779 ng
 RT: 3.232 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BN037611.D
 Acq: 19 Aug 2025 17:18



Tgt Ion: 88 Resp: 10850
 Ion Ratio Lower Upper
 88 100
 43 37.3 25.8 38.6
 58 77.1 61.2 91.8





#4

2-Fluorophenol

Concen: 0.148 ng

RT: 5.305 min Scan# 308

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

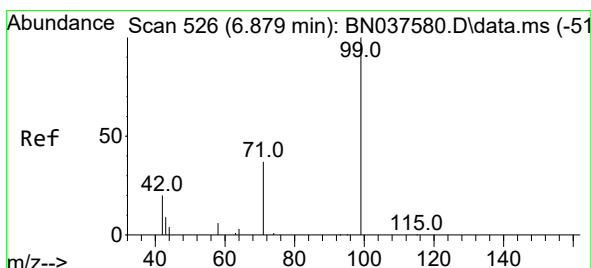
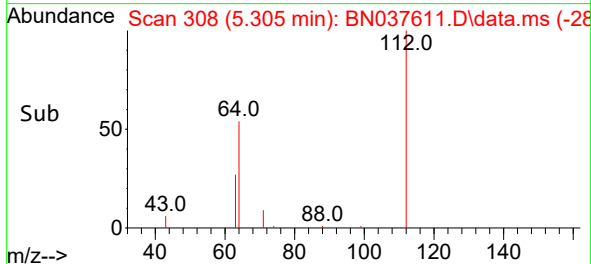
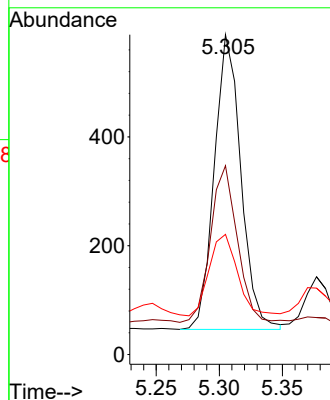
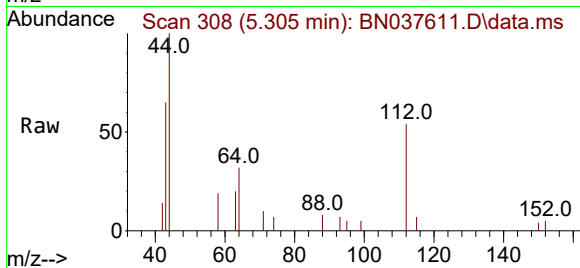
Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

Tgt Ion:	112	Resp:	795
Ion	Ratio	Lower	Upper
112	100		
64	53.7	44.9	67.3
63	29.8	23.4	35.2



#5

Phenol-d6

Concen: 0.085 ng

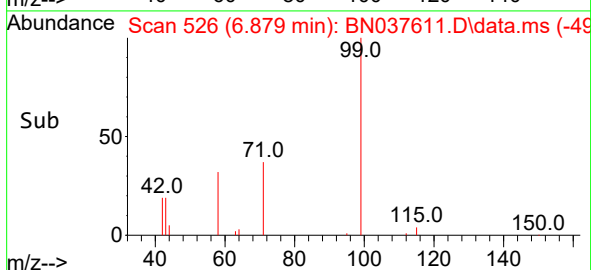
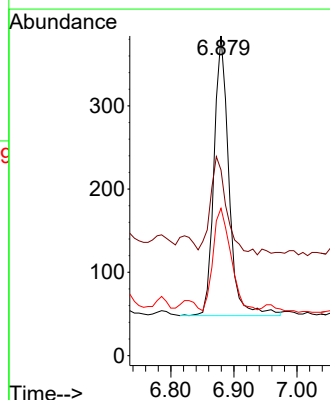
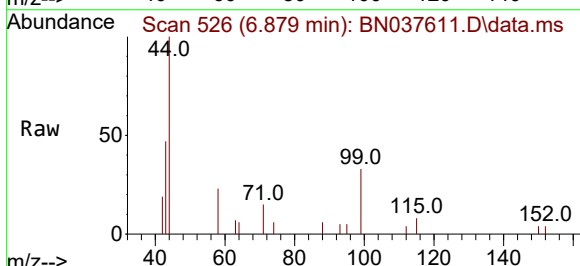
RT: 6.879 min Scan# 526

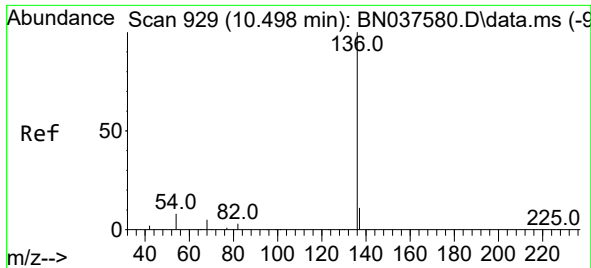
Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Tgt Ion:	99	Resp:	552
Ion	Ratio	Lower	Upper
99	100		
42	38.4	18.5	27.7#
71	43.7	28.6	42.8#

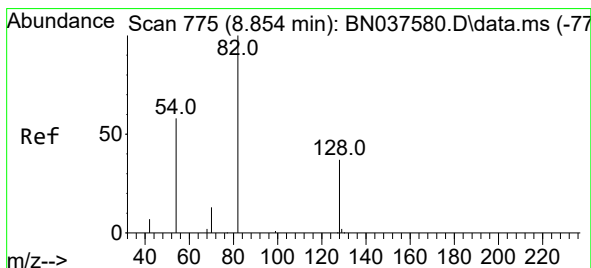
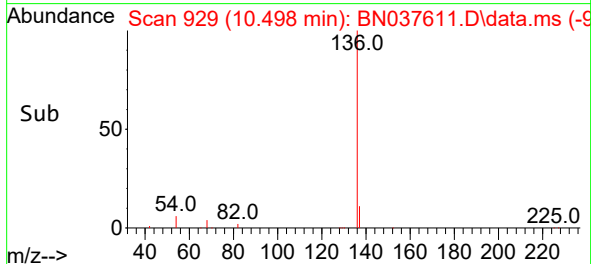
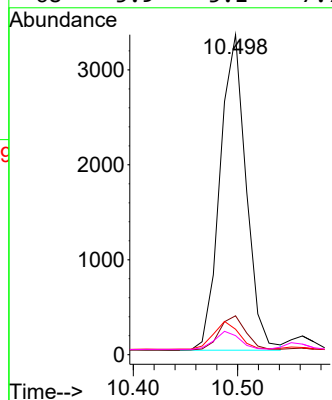
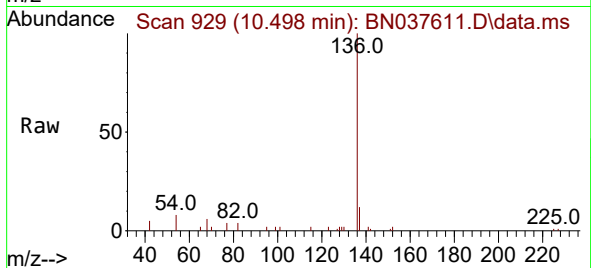




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

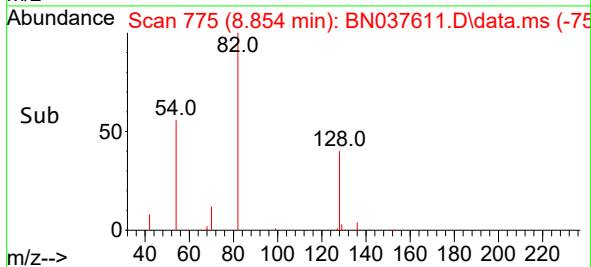
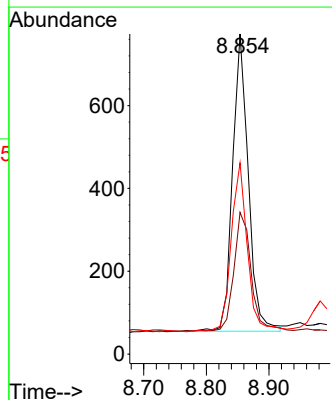
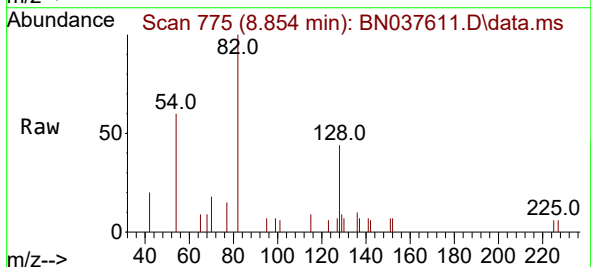
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

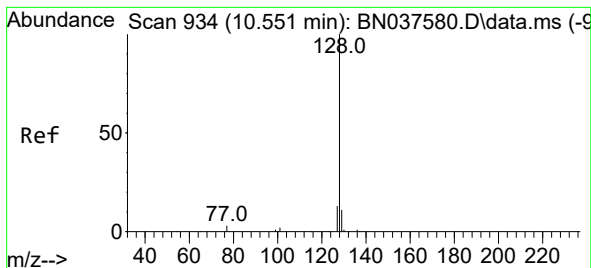
Tgt Ion:	136	Resp:	5766
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.0	7.3	10.9
68	5.9	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.308 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:	82	Resp:	1252
Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.6	48.8
54	59.8	48.9	73.3





#9

Naphthalene

Concen: 0.094 ng

RT: 10.541 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

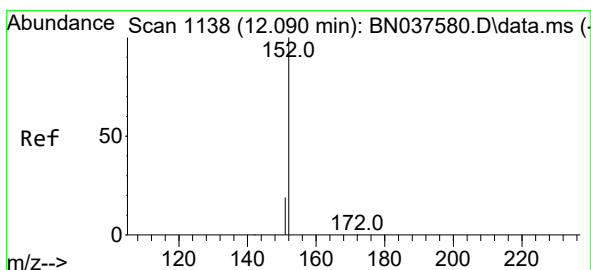
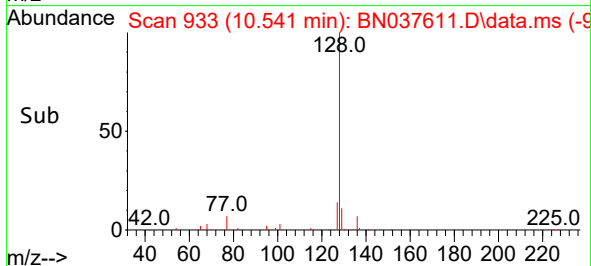
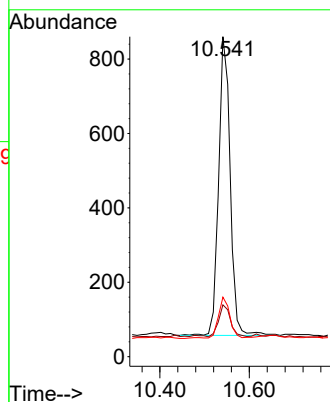
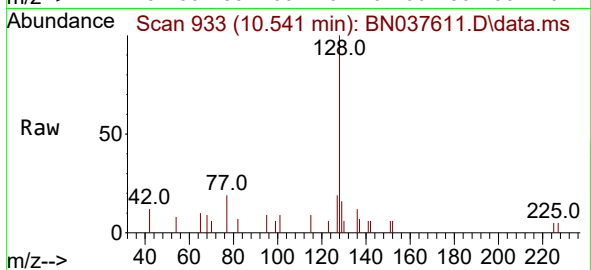
Tgt Ion:128 Resp: 1441

Ion Ratio Lower Upper

128 100

129 16.2 9.8 14.6#

127 18.6 11.5 17.3#



#11

2-Methylnaphthalene-d10

Concen: 0.270 ng

RT: 12.085 min Scan# 1137

Delta R.T. -0.005 min

Lab File: BN037611.D

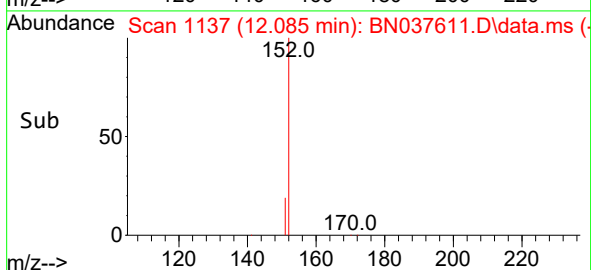
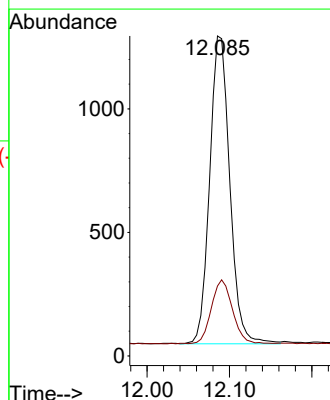
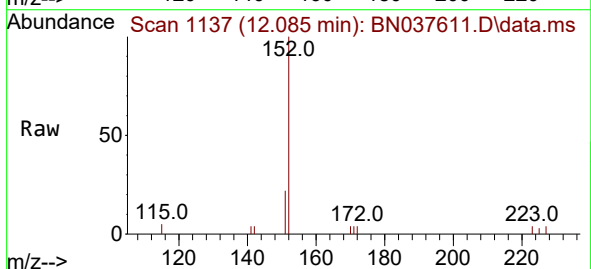
Acq: 19 Aug 2025 17:18

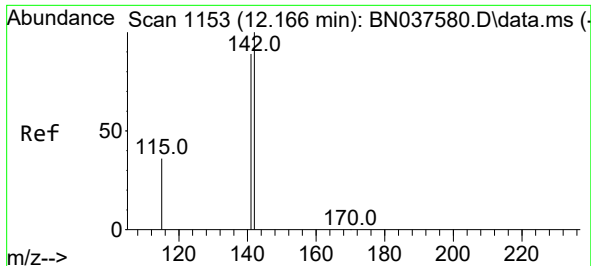
Tgt Ion:152 Resp: 2115

Ion Ratio Lower Upper

152 100

151 21.9 17.3 25.9





#12

2-Methylnaphthalene

Concen: 0.022 ng

RT: 12.161 min Scan# 1152

Delta R.T. -0.005 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

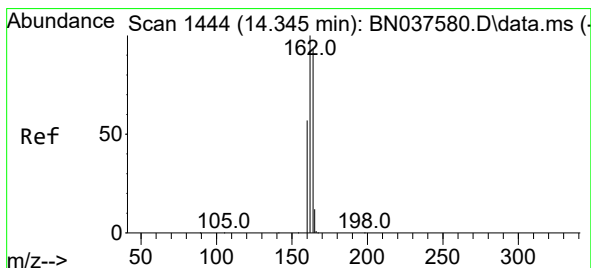
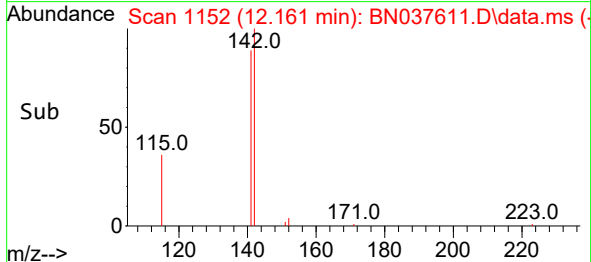
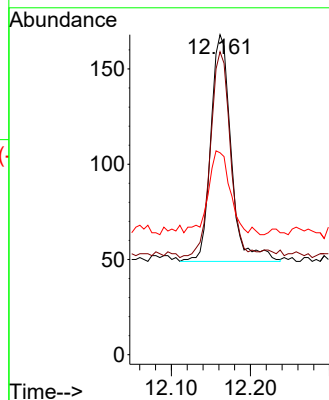
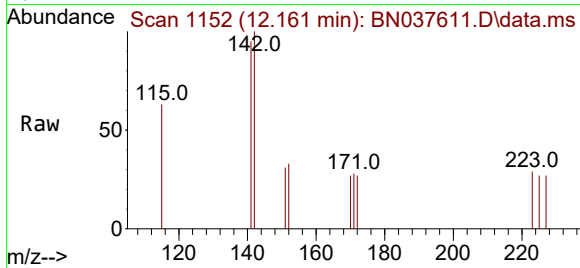
Tgt Ion:142 Resp: 213

Ion Ratio Lower Upper

142 100

141 94.6 71.4 107.0

115 63.1 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: BN037611.D

Acq: 19 Aug 2025 17:18

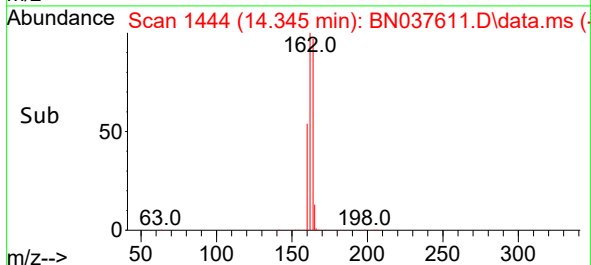
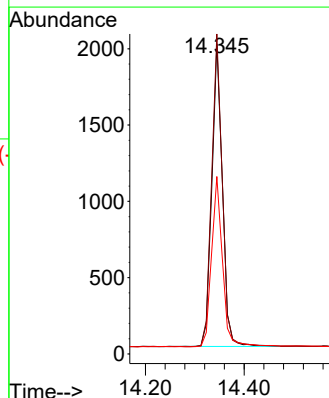
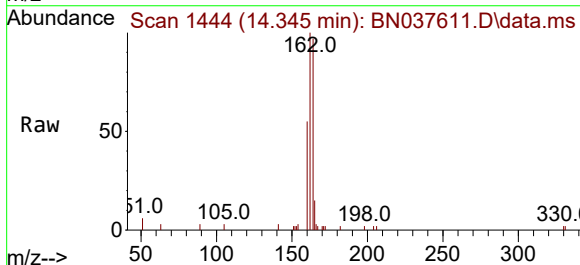
Tgt Ion:164 Resp: 2949

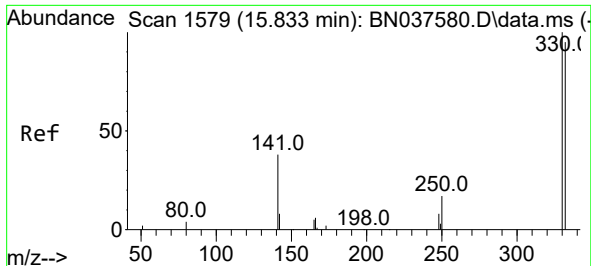
Ion Ratio Lower Upper

164 100

162 103.1 85.5 128.3

160 57.2 49.5 74.3

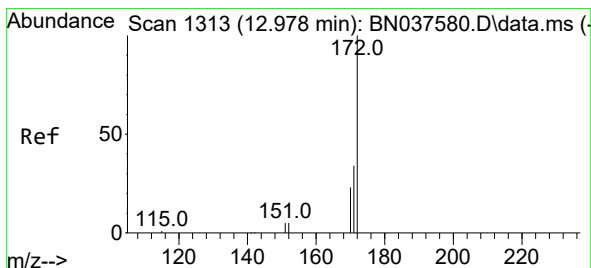
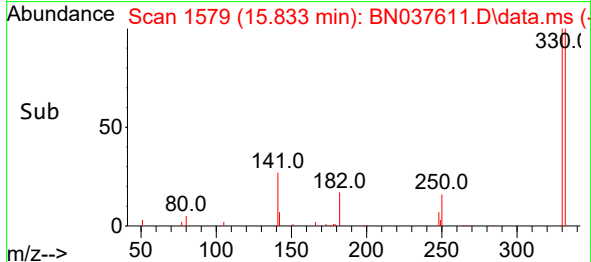
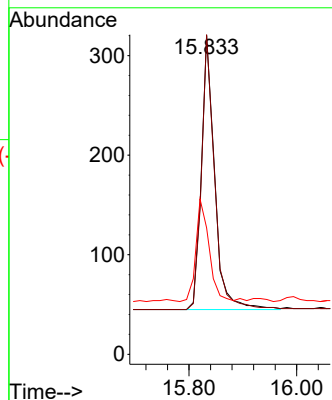
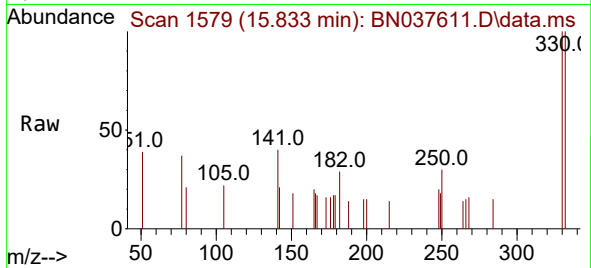




#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.833 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

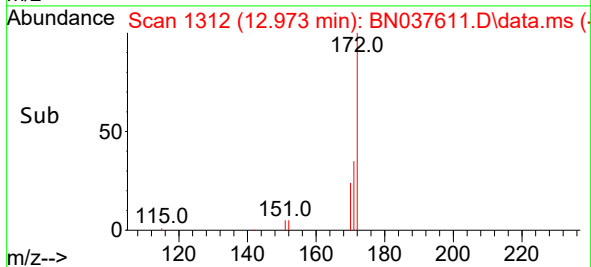
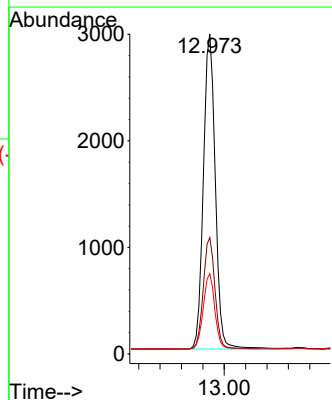
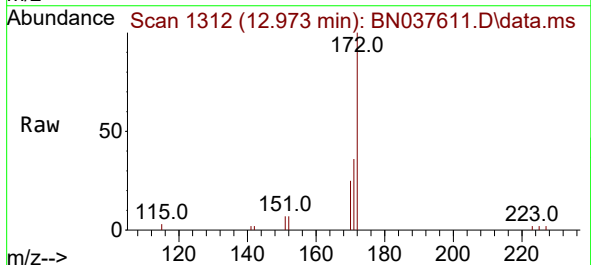
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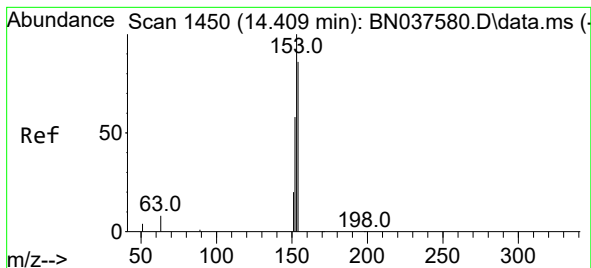
Tgt Ion:330 Resp: 474
Ion Ratio Lower Upper
330 100
332 98.1 77.4 116.0
141 36.9 30.9 46.3



#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:172 Resp: 6190
Ion Ratio Lower Upper
172 100
171 36.4 28.2 42.4
170 25.1 19.2 28.8





#17

Acenaphthene

Concen: 0.068 ng

RT: 14.409 min Scan# 1450

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

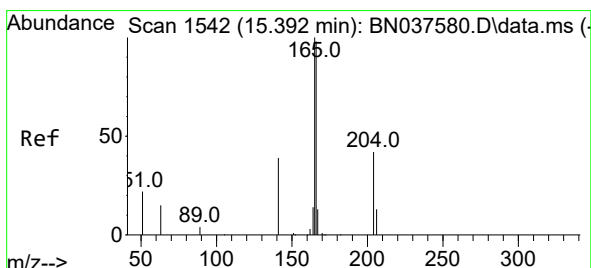
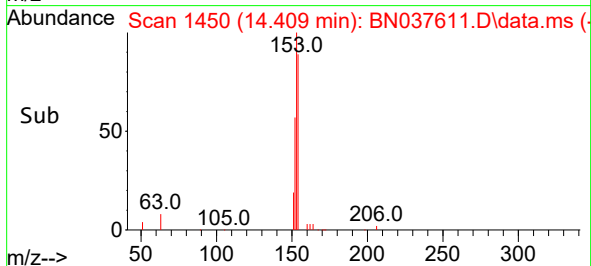
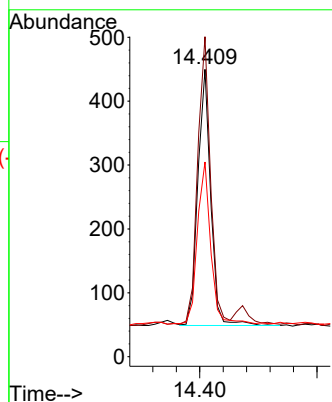
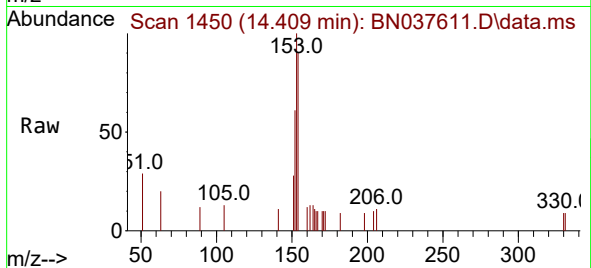
Tgt Ion:154 Resp: 610

Ion Ratio Lower Upper

154 100

153 112.1 90.6 135.8

152 65.4 54.9 82.3



#18

Fluorene

Concen: 0.051 ng

RT: 15.392 min Scan# 1542

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

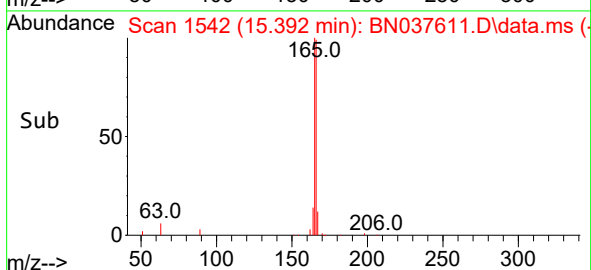
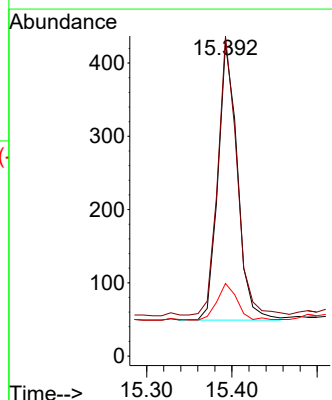
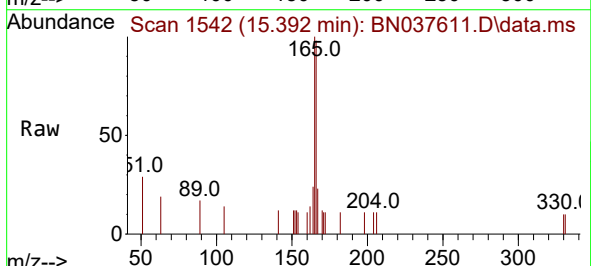
Tgt Ion:166 Resp: 600

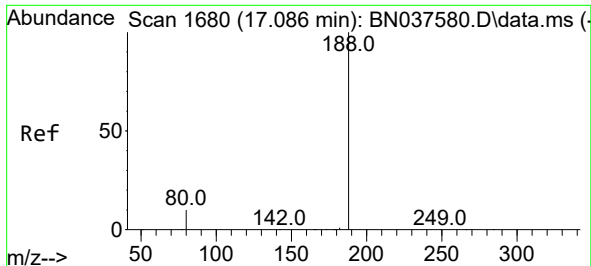
Ion Ratio Lower Upper

166 100

165 97.8 78.9 118.3

167 13.8 10.7 16.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.086 min Scan# 1680

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

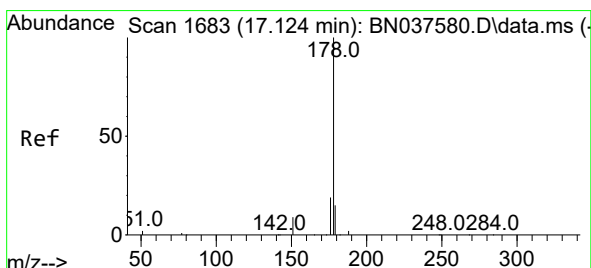
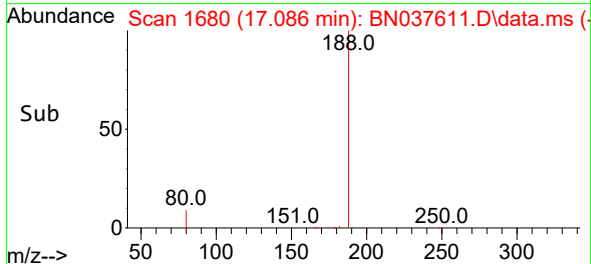
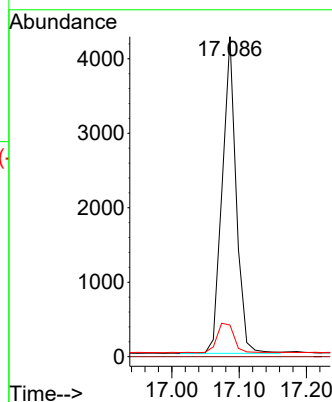
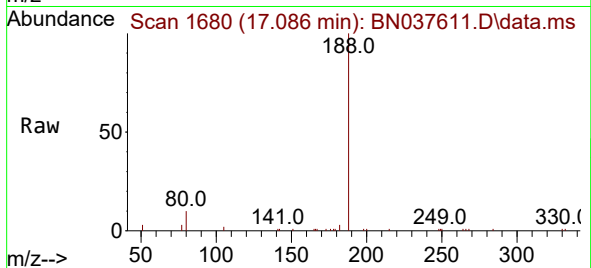
Tgt Ion:188 Resp: 6117

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.9 9.1 13.7



#25

Phenanthrene

Concen: 0.501 ng

RT: 17.124 min Scan# 1683

Delta R.T. 0.000 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

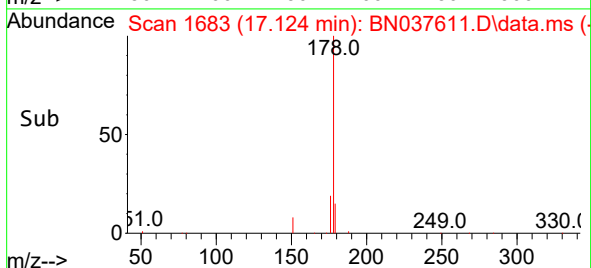
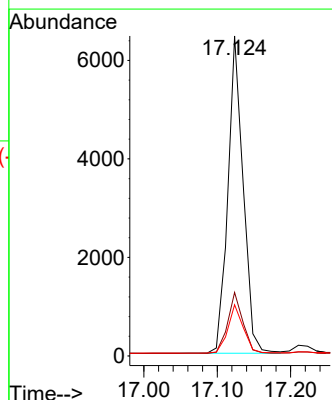
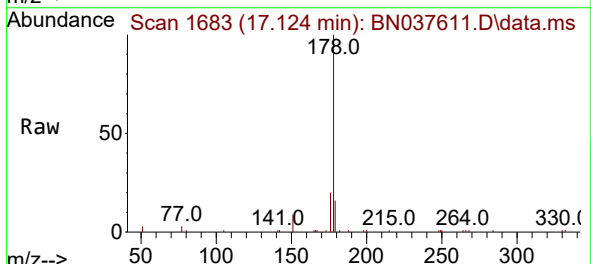
Tgt Ion:178 Resp: 9312

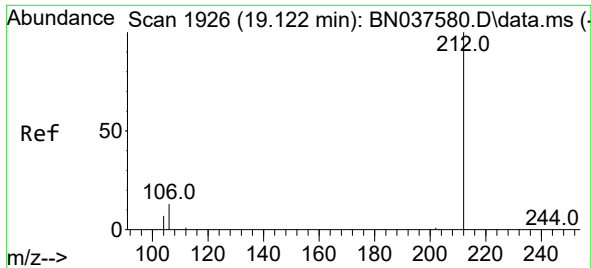
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.6

179 15.5 12.3 18.5

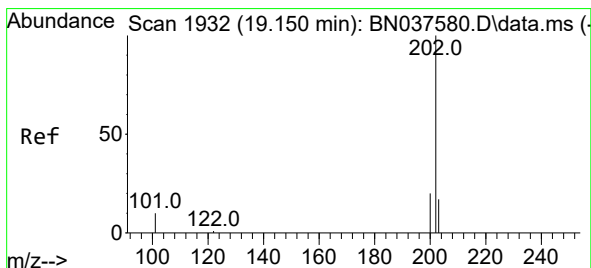
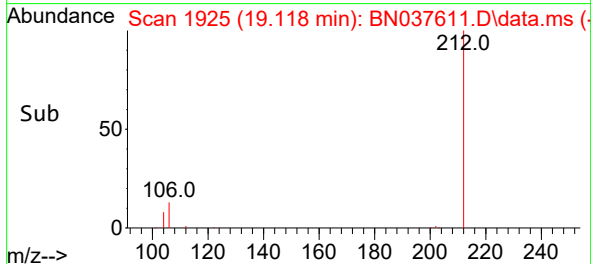
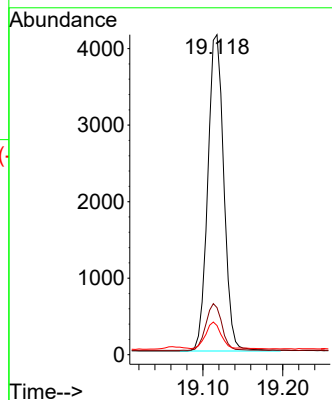
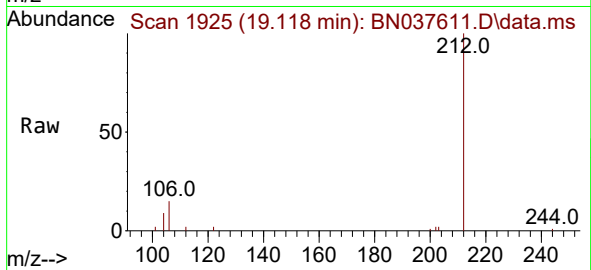




#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

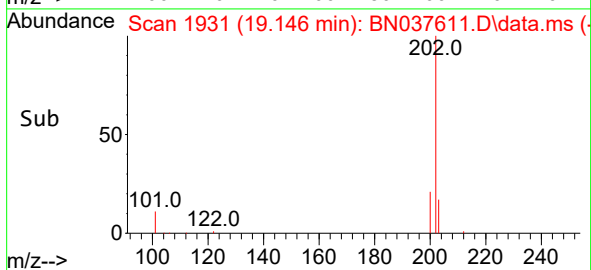
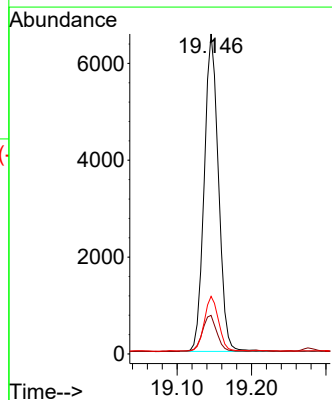
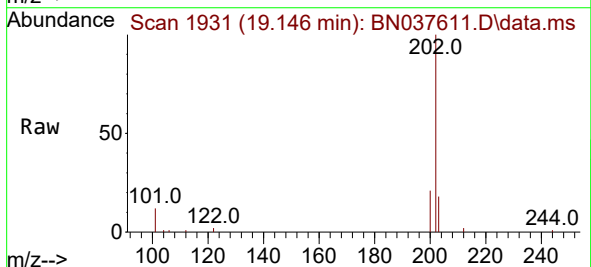
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325-FD

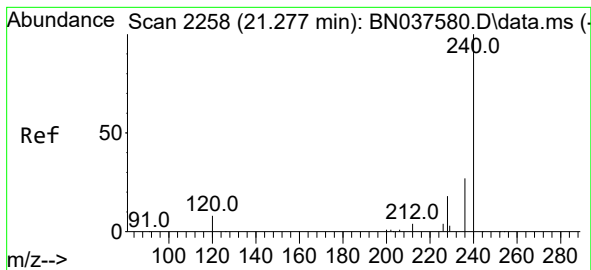
Tgt Ion:212 Resp: 5749
Ion Ratio Lower Upper
212 100
106 14.8 11.5 17.3
104 8.6 6.6 9.8



#28
Fluoranthene
Concen: 0.408 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037611.D
Acq: 19 Aug 2025 17:18

Tgt Ion:202 Resp: 8713
Ion Ratio Lower Upper
202 100
101 11.4 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: BN037611.D

Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD

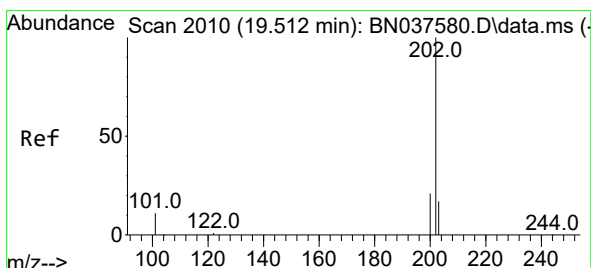
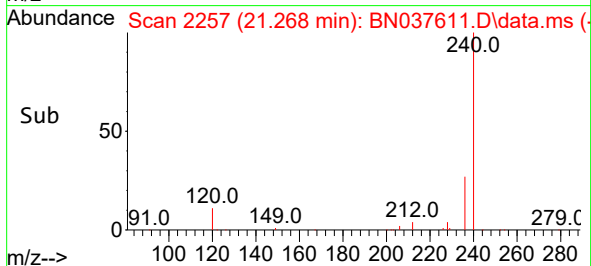
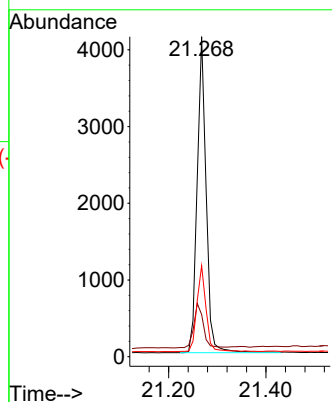
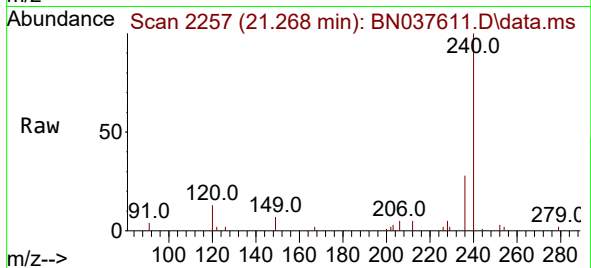
Tgt Ion:240 Resp: 5268

Ion Ratio Lower Upper

240 100

120 13.1 8.9 13.3

236 28.5 22.6 33.8



#30

Pyrene

Concen: 0.298 ng

RT: 19.508 min Scan# 2009

Delta R.T. -0.005 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

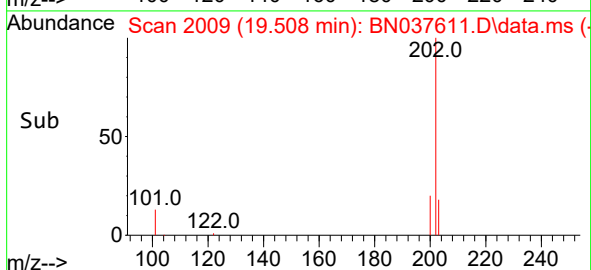
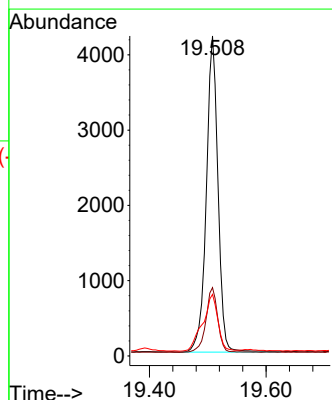
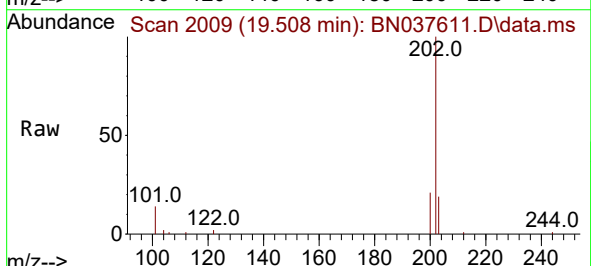
Tgt Ion:202 Resp: 5864

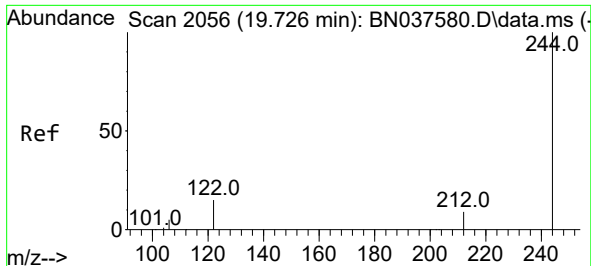
Ion Ratio Lower Upper

202 100

200 20.8 16.6 25.0

203 23.2 14.3 21.5#

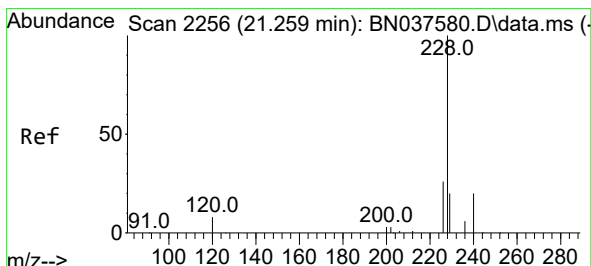
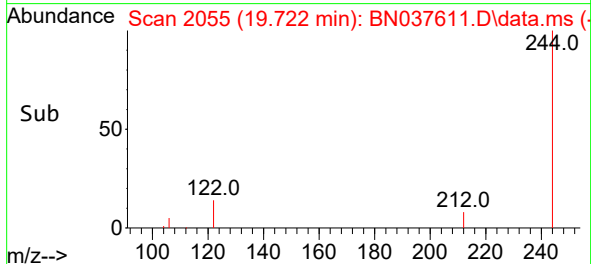
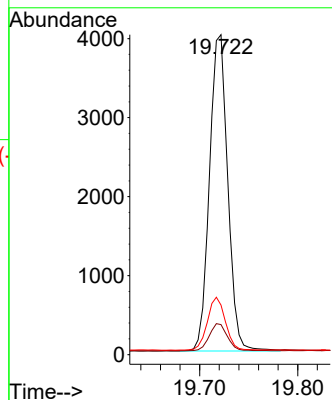
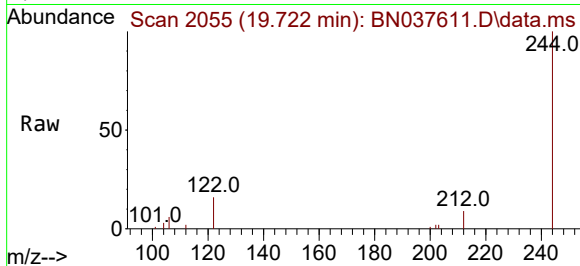




#31
 Terphenyl-d14
 Concen: 0.478 ng
 RT: 19.722 min Scan# 2056
 Delta R.T. -0.005 min
 Lab File: BN037611.D
 Acq: 19 Aug 2025 17:18

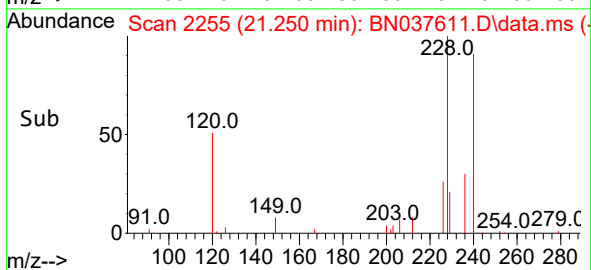
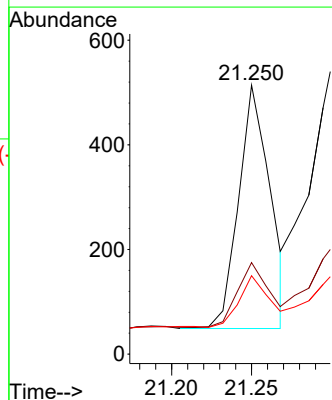
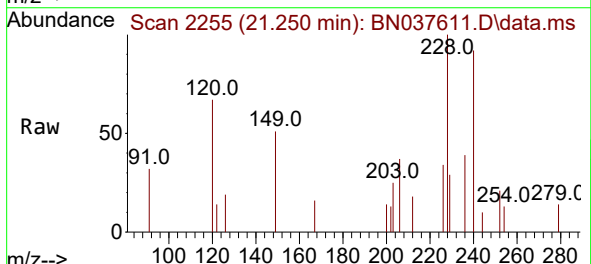
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325-FD

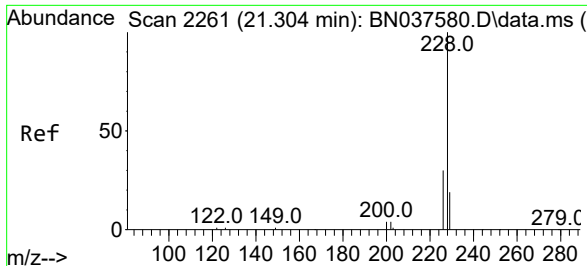
Tgt Ion:244 Resp: 5180
 Ion Ratio Lower Upper
 244 100
 212 9.4 8.2 12.2
 122 15.5 13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.036 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.009 min
 Lab File: BN037611.D
 Acq: 19 Aug 2025 17:18

Tgt Ion:228 Resp: 641
 Ion Ratio Lower Upper
 228 100
 226 34.0 21.5 32.3#
 229 29.2 16.5 24.7#





#33

Chrysene

Concen: 0.051 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037611.D

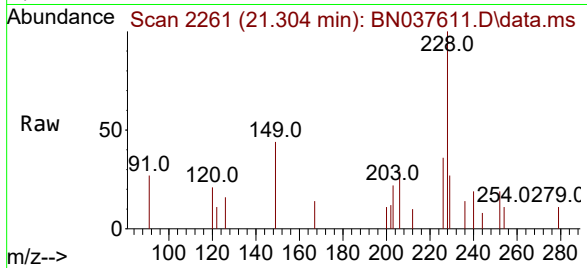
Acq: 19 Aug 2025 17:18

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325-FD



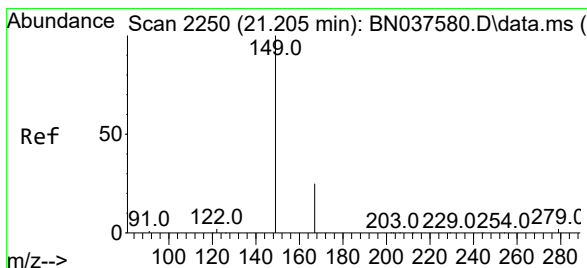
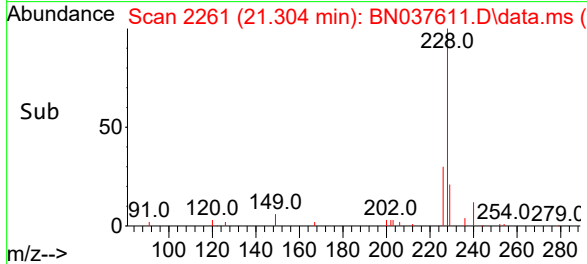
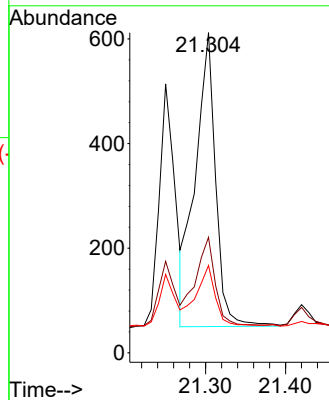
Tgt Ion:228 Resp: 991

Ion Ratio Lower Upper

228 100

226 36.1 24.9 37.3

229 27.3 15.8 23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.070 ng

RT: 21.196 min Scan# 2249

Delta R.T. -0.009 min

Lab File: BN037611.D

Acq: 19 Aug 2025 17:18

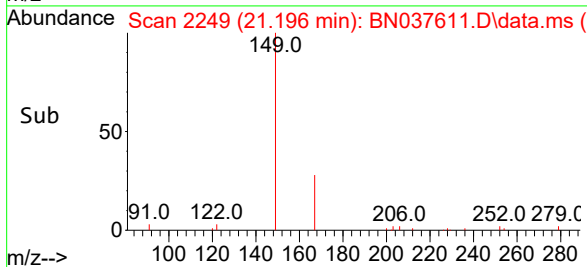
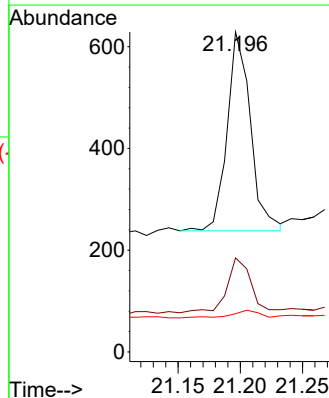
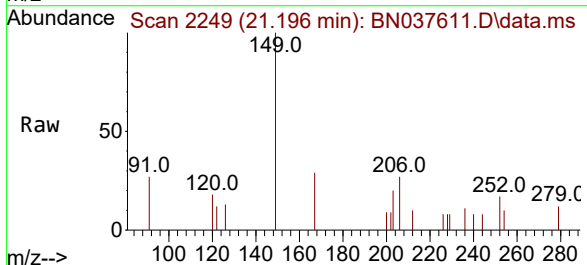
Tgt Ion:149 Resp: 511

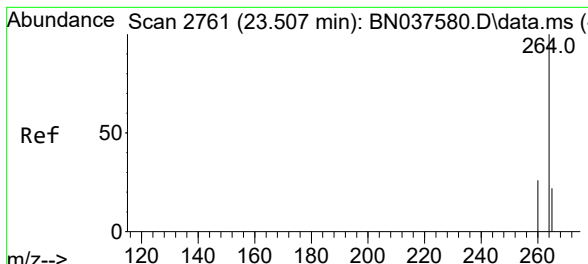
Ion Ratio Lower Upper

149 100

167 28.6 20.5 30.7

279 4.7 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: BN037611.D
 Acq: 19 Aug 2025 17:18

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

Tgt Ion:264 Resp: 4705

Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.6	32.4
265	70.7	48.2	72.4

