

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
 Data File : BN037622.D
 Acq On : 20 Aug 2025 06:38
 Operator : RC/JU
 Sample : Q2869-01DL 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Aug 20 07:24:20 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)

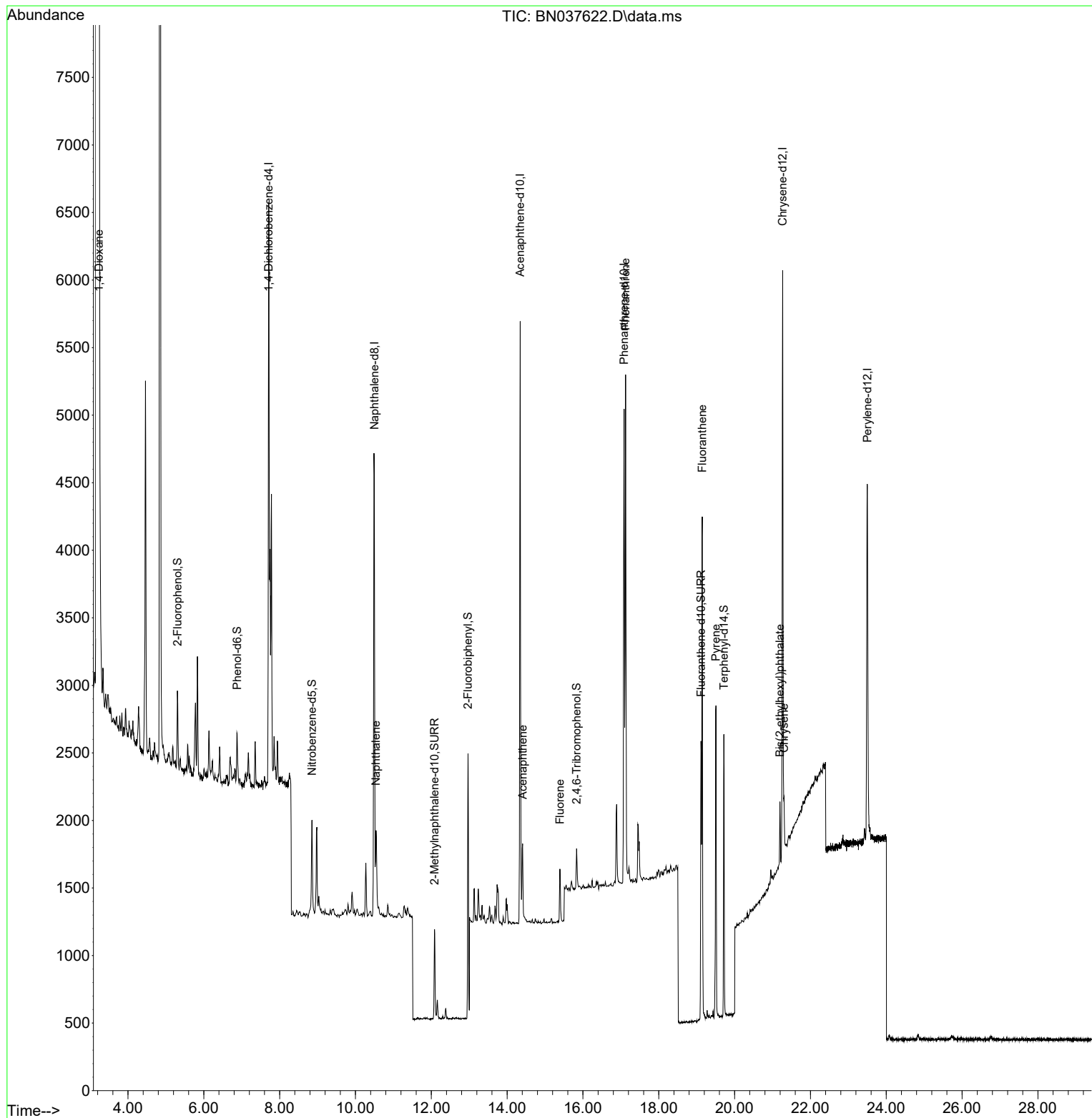
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2126	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4898	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2452	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4999	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	4107	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3877	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	373	0.077	ng	0.00
5) Phenol-d6	6.879	99	248	0.043	ng	0.00
8) Nitrobenzene-d5	8.854	82	589	0.171	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	968	0.145	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	191	0.178	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	2522	0.178	ng	-0.01
27) Fluoranthene-d10	19.113	212	2294	0.174	ng	0.00
31) Terphenyl-d14	19.717	244	2024	0.240	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.232	88	5395	2.652	ng	97
9) Naphthalene	10.541	128	657	0.050	ng	# 80
17) Acenaphthene	14.409	154	290	0.039	ng	96
18) Fluorene	15.392	166	293	0.030	ng	92
25) Phenanthrene	17.124	178	3918	0.258	ng	99
28) Fluoranthene	19.146	202	3362	0.193	ng	99
30) Pyrene	19.508	202	2255	0.147	ng	# 93
33) Chrysene	21.304	228	372	0.024	ng	# 73
34) Bis(2-ethylhexyl)phtha...	21.196	149	469	0.083	ng	# 98

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

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MW-19B-71.5-081325DL

Quant Time: Aug 20 07:24:20 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

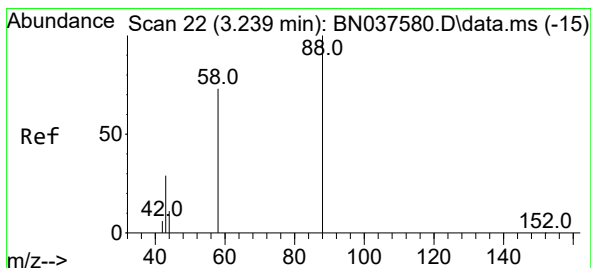
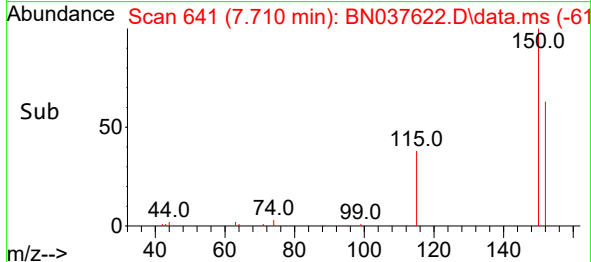
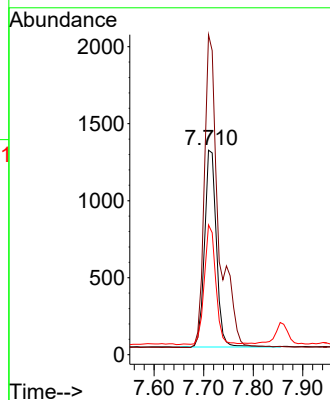
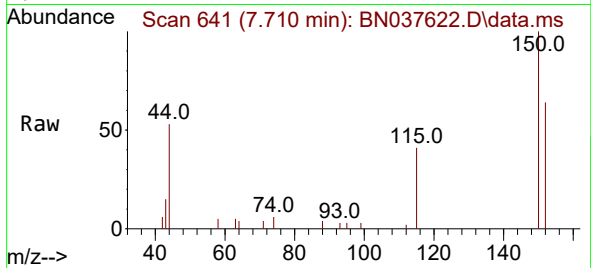




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN037622.D
 Acq: 20 Aug 2025 06:38

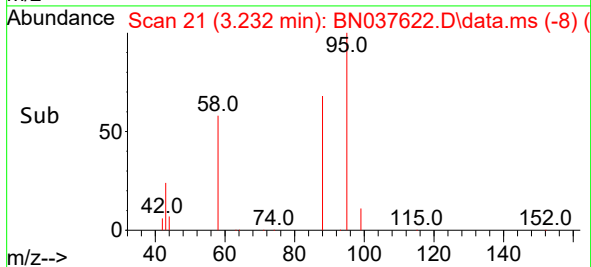
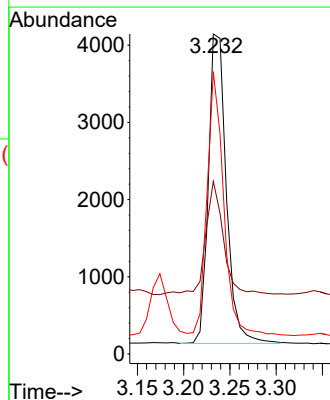
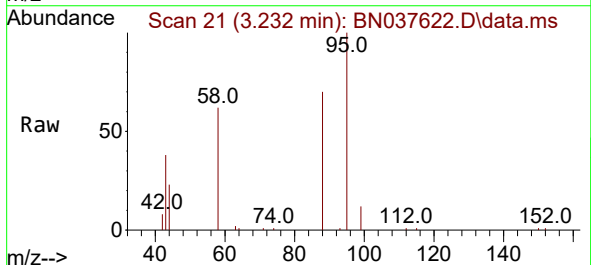
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325DL

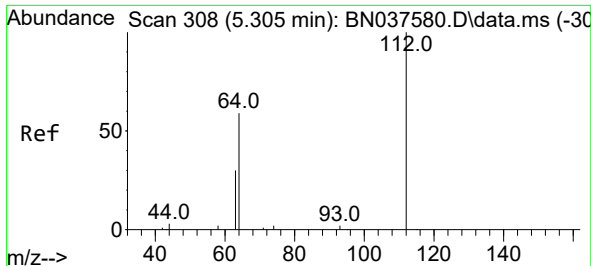
Tgt Ion: 152 Resp: 2126
 Ion Ratio Lower Upper
 152 100
 150 156.5 122.2 183.4
 115 63.5 49.8 74.6



#2
 1,4-Dioxane
 Concen: 2.652 ng
 RT: 3.232 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: BN037622.D
 Acq: 20 Aug 2025 06:38

Tgt Ion: 88 Resp: 5395
 Ion Ratio Lower Upper
 88 100
 43 36.0 25.8 38.6
 58 77.7 61.2 91.8

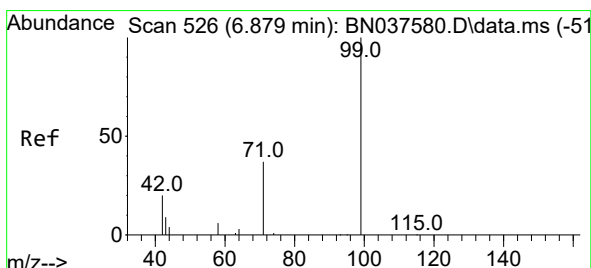
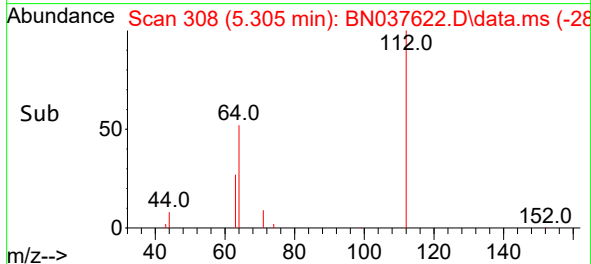
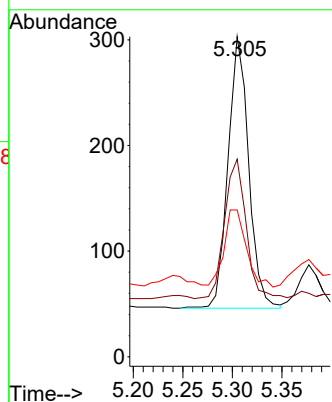
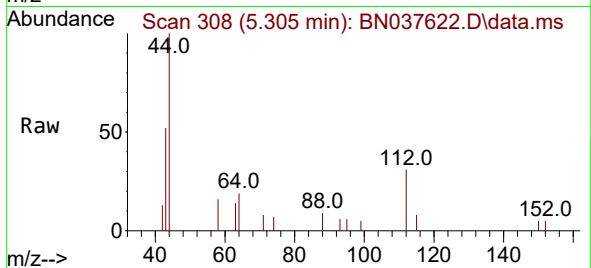




#4
2-Fluorophenol
Concen: 0.077 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

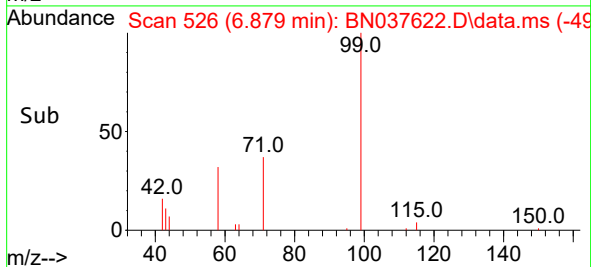
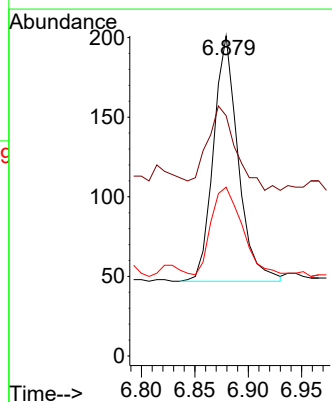
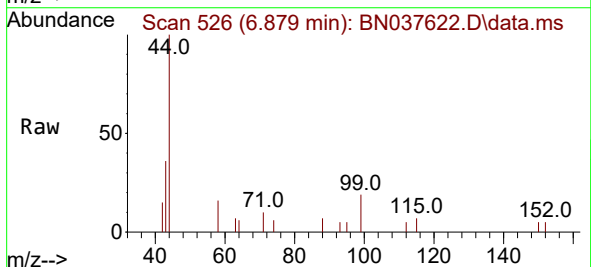
Instrument :
BNA_N
ClientSampleId :
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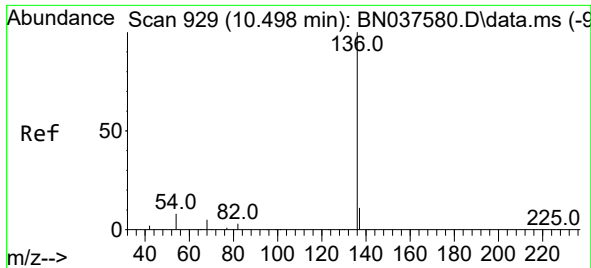
Tgt Ion:	112	Resp:	373
Ion	Ratio	Lower	Upper
112	100		
64	53.6	44.9	67.3
63	30.6	23.4	35.2



#5
Phenol-d6
Concen: 0.043 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:	99	Resp:	248
Ion	Ratio	Lower	Upper
99	100		
42	40.7	18.5	27.7#
71	51.2	28.6	42.8#

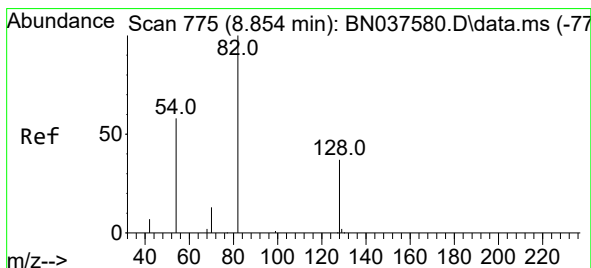
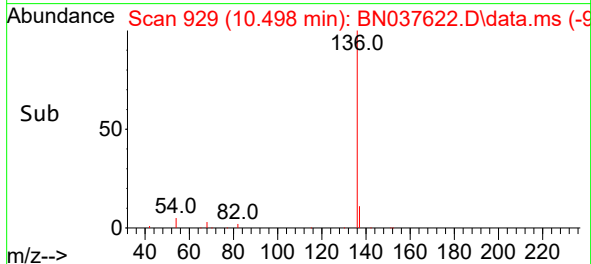
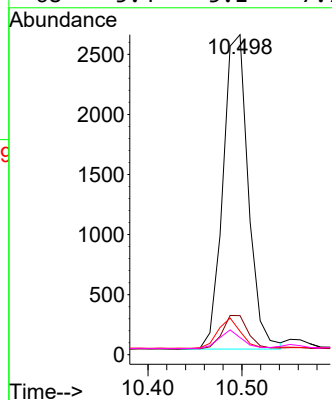
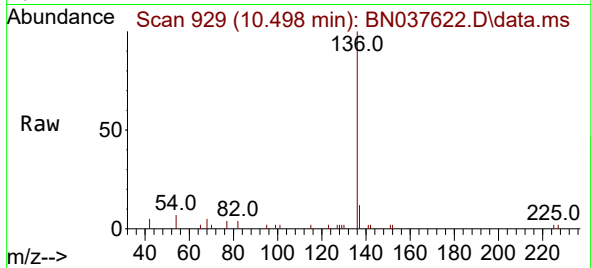




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

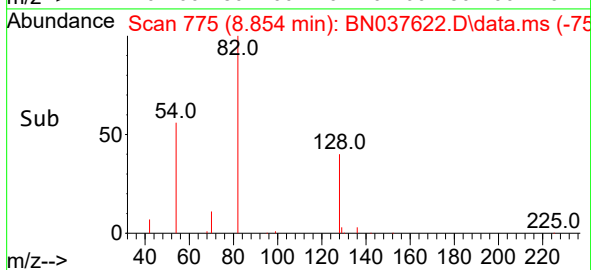
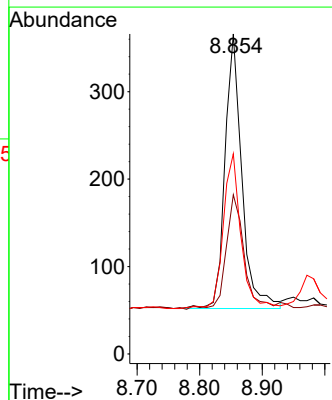
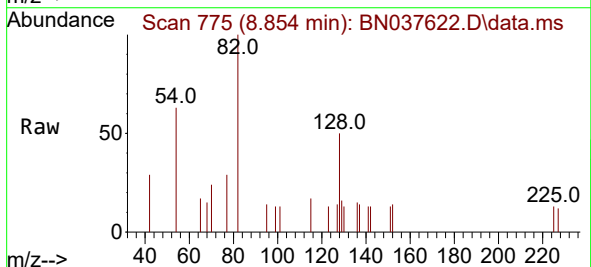
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

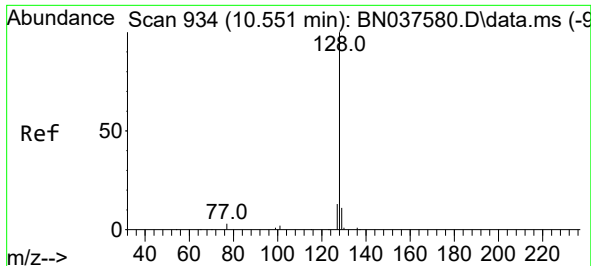
Tgt Ion:	136	Resp:	4898
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	7.3	7.3	10.9
68	5.4	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.171 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:	82	Resp:	589
Ion	Ratio	Lower	Upper
82	100		
128	49.7	32.6	48.8#
54	62.6	48.9	73.3

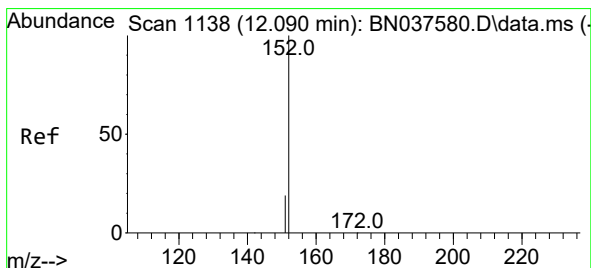
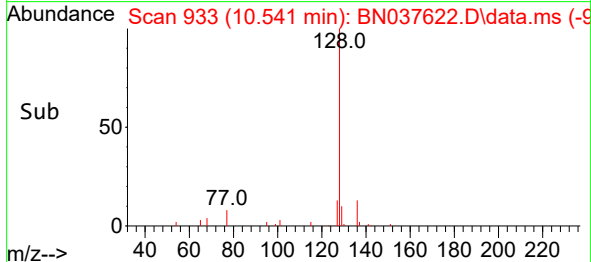
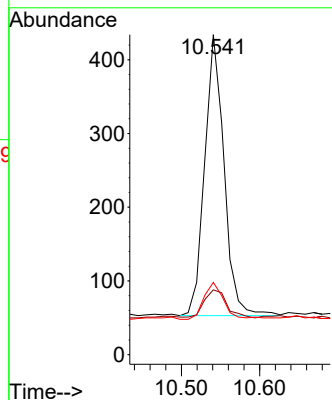
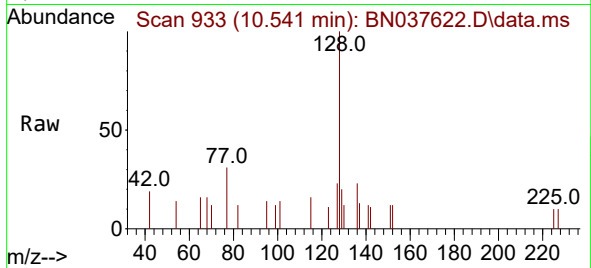




#9
Naphthalene
Concen: 0.050 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

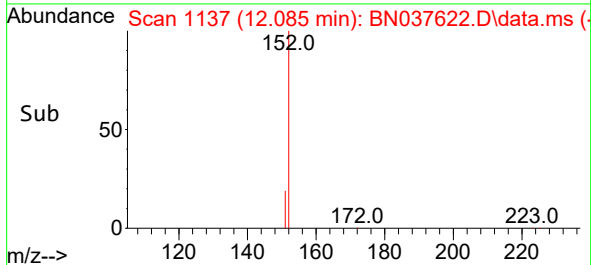
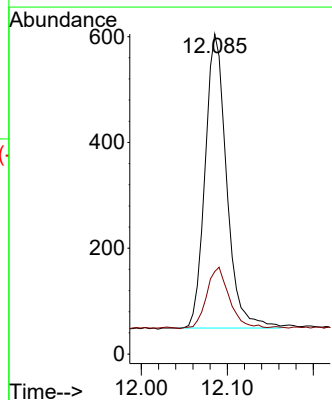
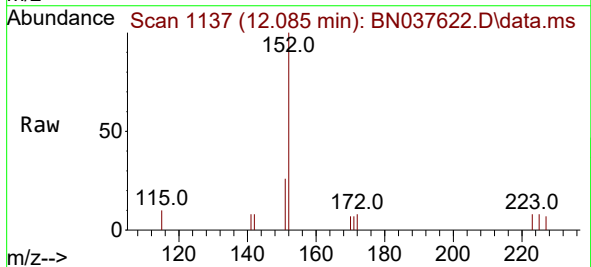
Instrument :
BNA_N
ClientSampleId :
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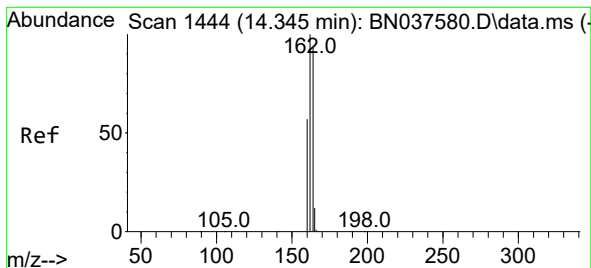
Tgt Ion:128 Resp: 657
Ion Ratio Lower Upper
128 100
129 20.3 9.8 14.6#
127 22.6 11.5 17.3#



#11
2-Methylnaphthalene-d10
Concen: 0.145 ng
RT: 12.085 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:152 Resp: 968
Ion Ratio Lower Upper
152 100
151 22.2 17.3 25.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.345 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325DL

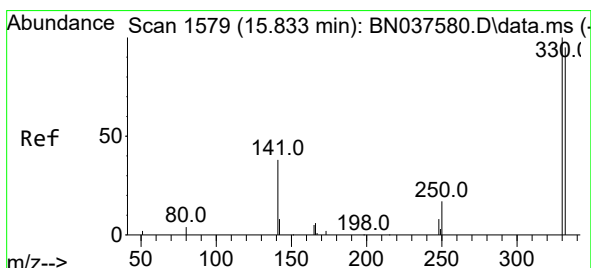
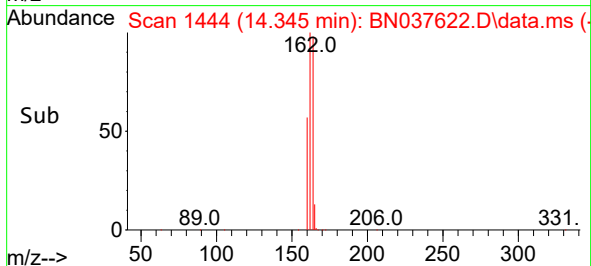
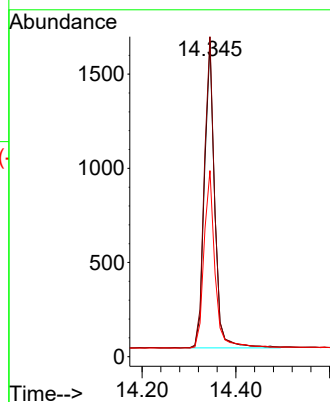
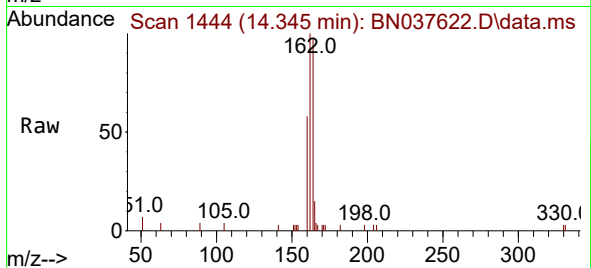
Tgt Ion:164 Resp: 2452

Ion Ratio Lower Upper

164 100

162 102.0 85.5 128.3

160 59.3 49.5 74.3



#14

2,4,6-Tribromophenol

Concen: 0.178 ng

RT: 15.833 min Scan# 1579

Delta R.T. 0.000 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

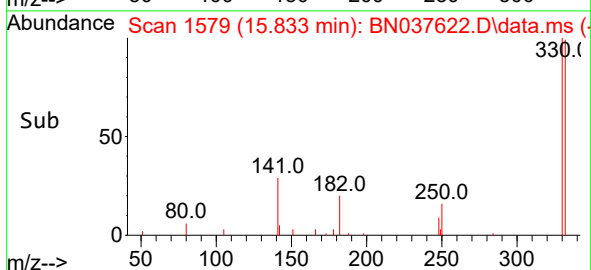
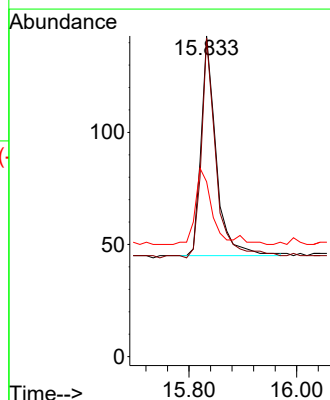
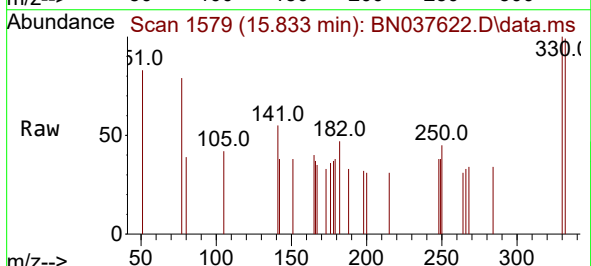
Tgt Ion:330 Resp: 191

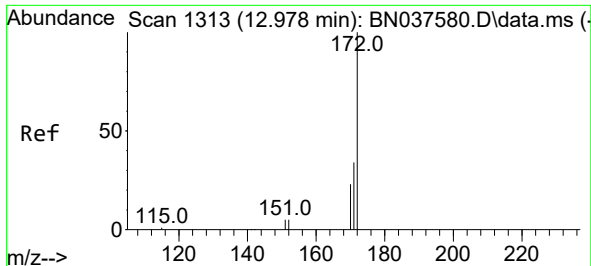
Ion Ratio Lower Upper

330 100

332 100.0 77.4 116.0

141 37.2 30.9 46.3

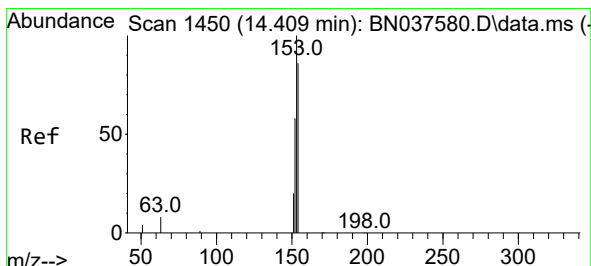
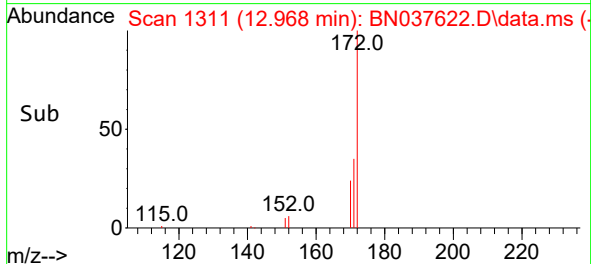
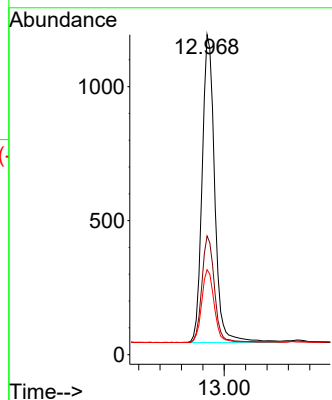
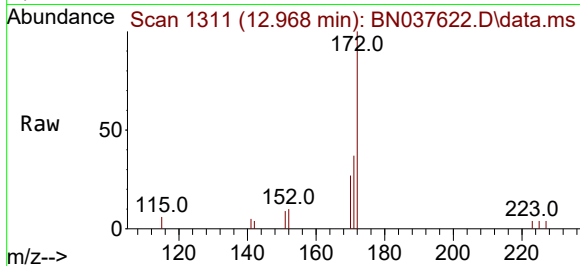




#15
2-Fluorobiphenyl
Concen: 0.178 ng
RT: 12.968 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

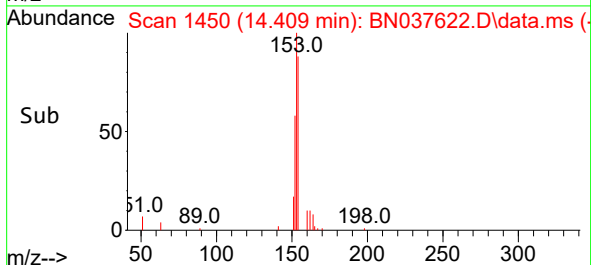
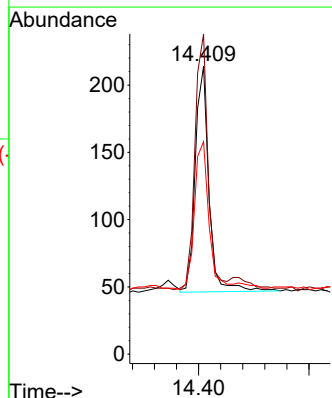
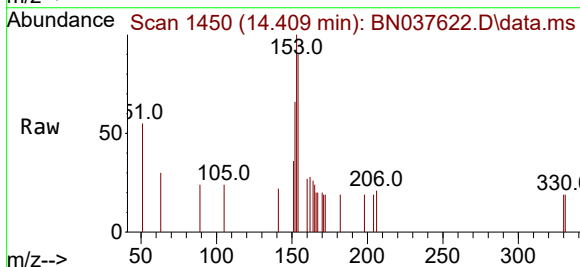
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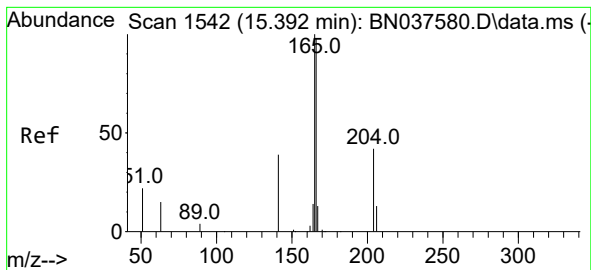
Tgt Ion:	172	Resp:	2522
Ion Ratio	Lower	Upper	
172	100		
171	37.1	28.2	42.4
170	26.5	19.2	28.8



#17
Acenaphthene
Concen: 0.039 ng
RT: 14.409 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:	154	Resp:	290
Ion Ratio	Lower	Upper	
154	100		
153	108.3	90.6	135.8
152	66.6	54.9	82.3





#18

Fluorene

Concen: 0.030 ng

RT: 15.392 min Scan# 11

Delta R.T. 0.000 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325DL

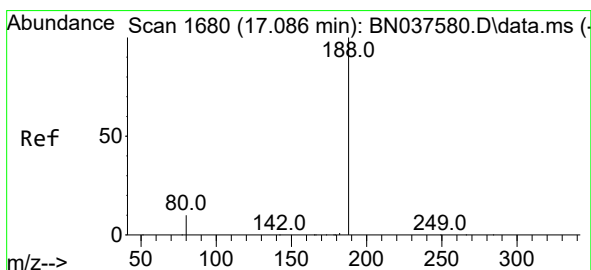
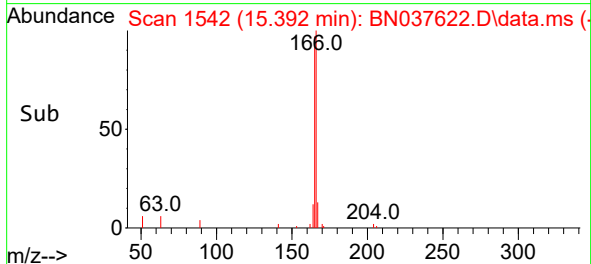
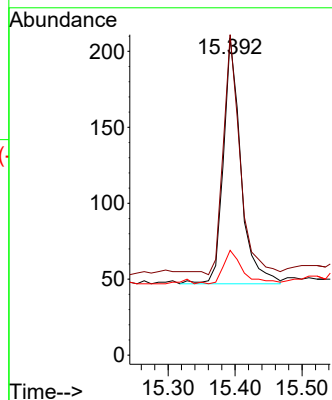
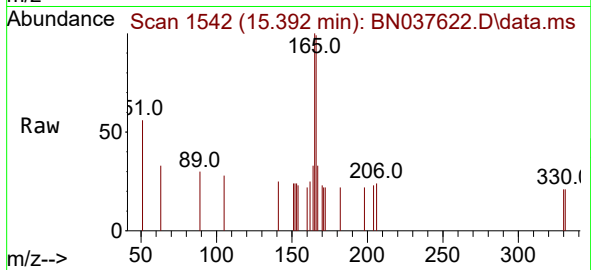
Tgt Ion:166 Resp: 293

Ion Ratio Lower Upper

166 100

165 89.8 78.9 118.3

167 15.0 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: BN037622.D

Acq: 20 Aug 2025 06:38

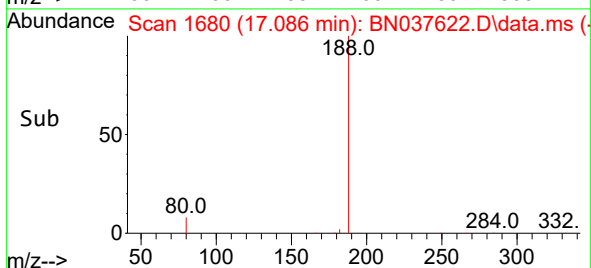
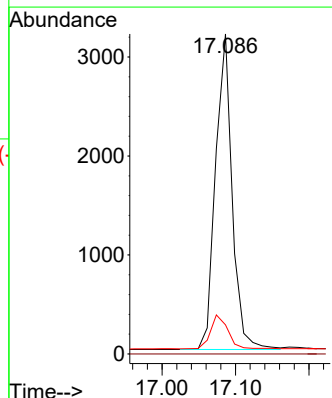
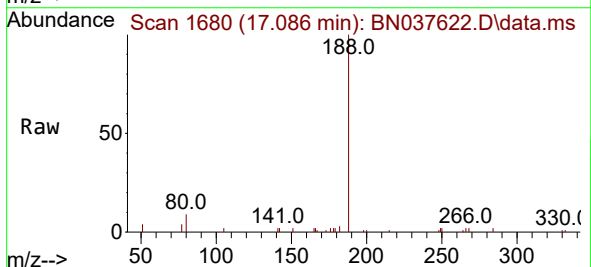
Tgt Ion:188 Resp: 4999

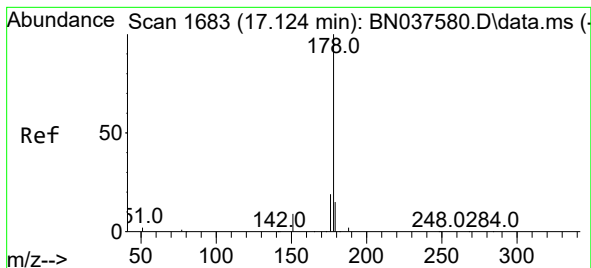
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.1 9.1 13.7#





#25

Phenanthrene

Concen: 0.258 ng

RT: 17.124 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037622.D

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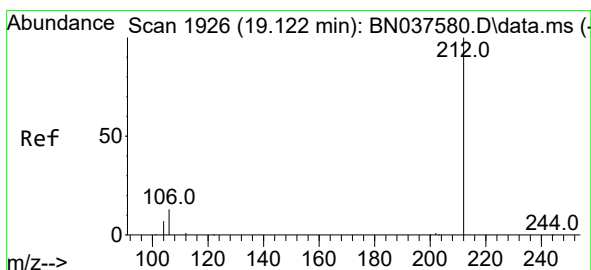
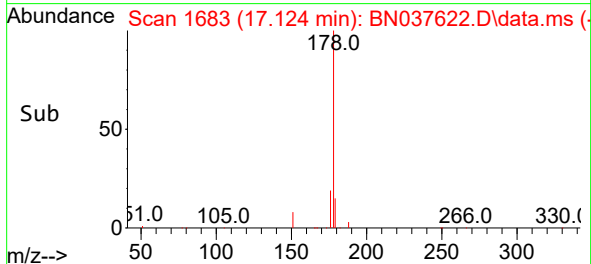
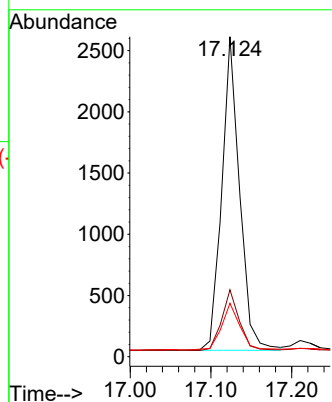
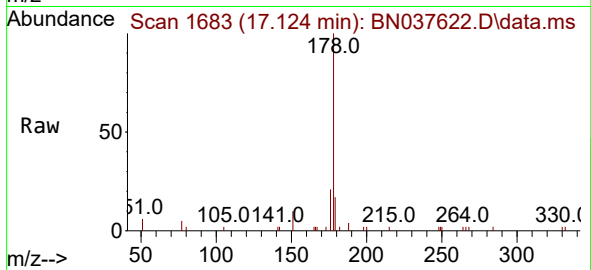
Tgt Ion:178 Resp: 3918

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 16.1 12.3 18.5



#27

Fluoranthene-d10

Concen: 0.174 ng

RT: 19.113 min Scan# 1924

Delta R.T. -0.009 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

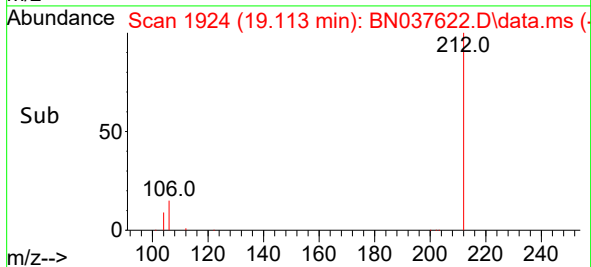
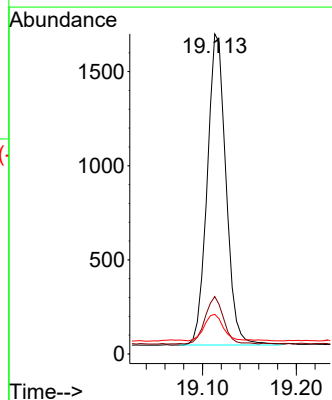
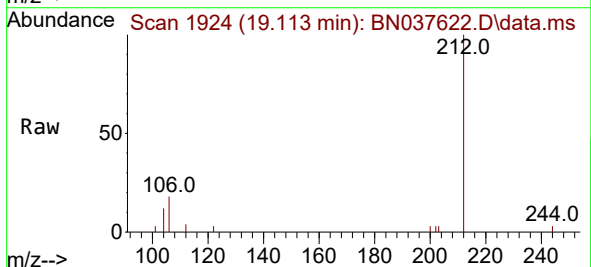
Tgt Ion:212 Resp: 2294

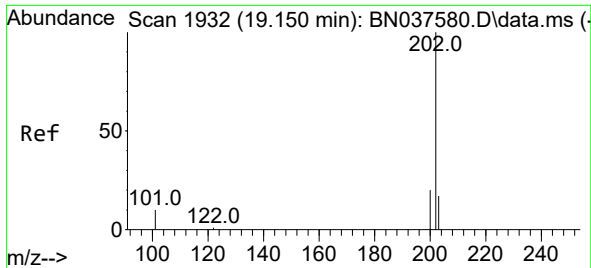
Ion Ratio Lower Upper

212 100

106 14.8 11.5 17.3

104 9.5 6.6 9.8

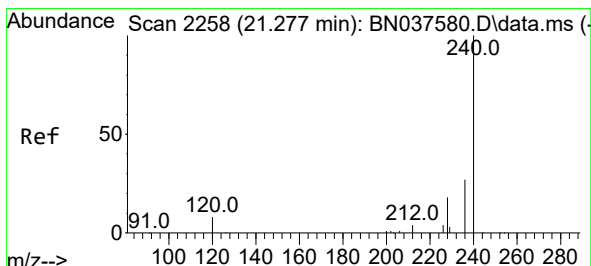
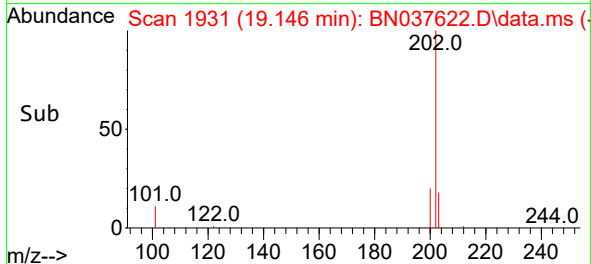
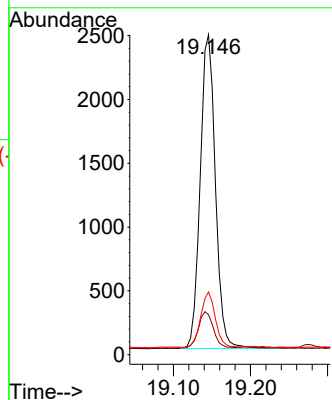
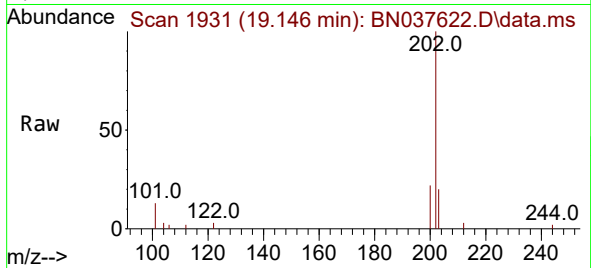




#28
Fluoranthene
Concen: 0.193 ng
RT: 19.146 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

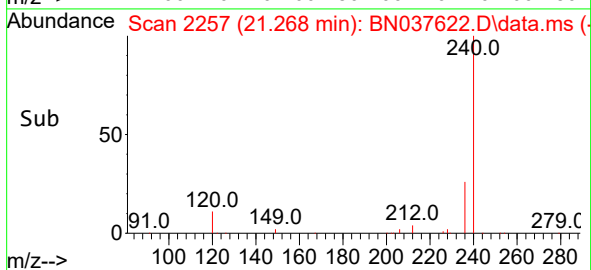
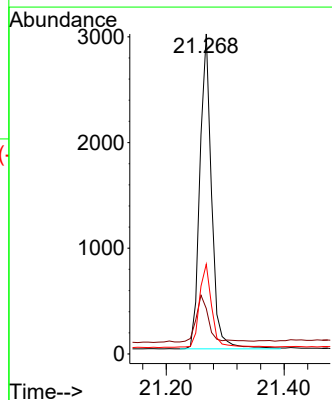
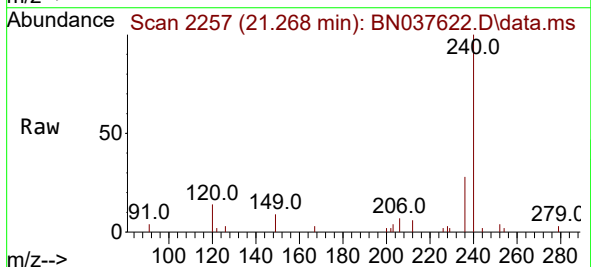
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

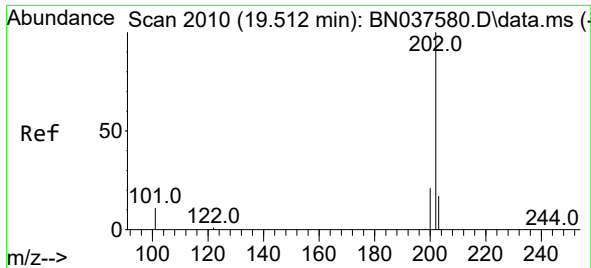
Tgt Ion:202 Resp: 3362
Ion Ratio Lower Upper
202 100
101 11.6 9.0 13.6
203 16.9 13.8 20.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:240 Resp: 4107
Ion Ratio Lower Upper
240 100
120 14.2 8.9 13.3#
236 28.0 22.6 33.8

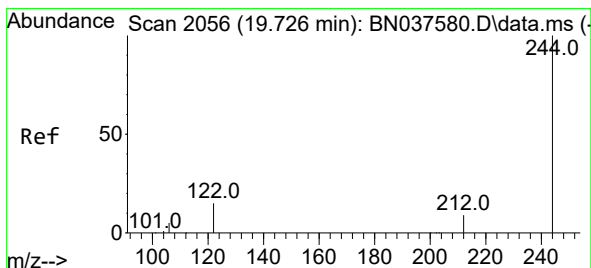
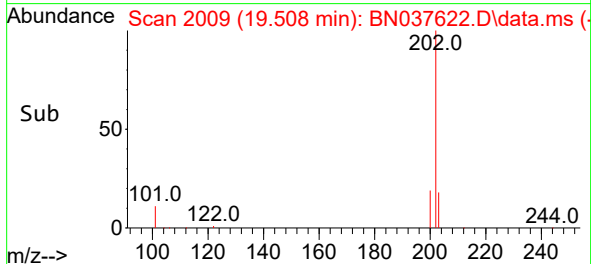
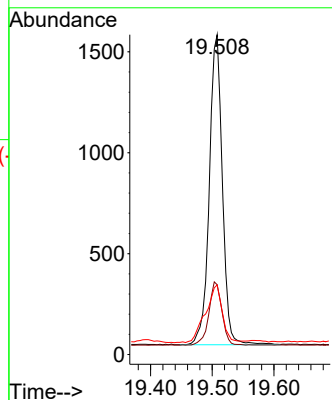
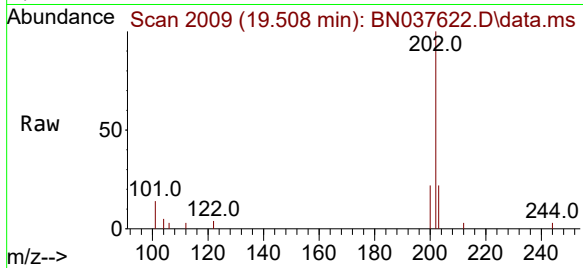




#30
Pyrene
Concen: 0.147 ng
RT: 19.508 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

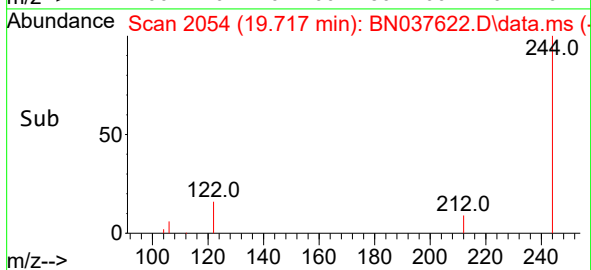
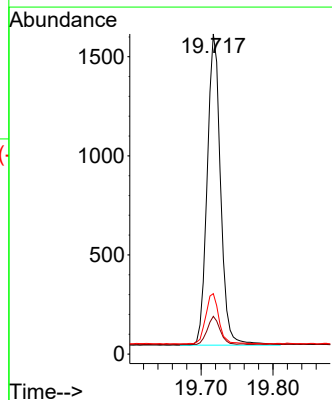
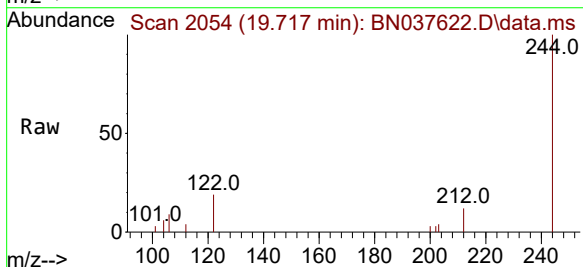
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

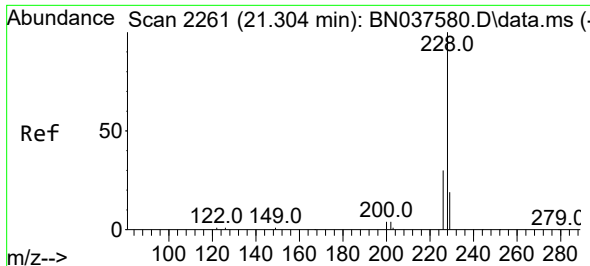
Tgt Ion:202 Resp: 2255
Ion Ratio Lower Upper
202 100
200 20.3 16.6 25.0
203 24.1 14.3 21.5#



#31
Terphenyl-d14
Concen: 0.240 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

Tgt Ion:244 Resp: 2024
Ion Ratio Lower Upper
244 100
212 11.8 8.2 12.2
122 18.9 13.2 19.8





#33

Chrysene

Concen: 0.024 ng

RT: 21.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037622.D

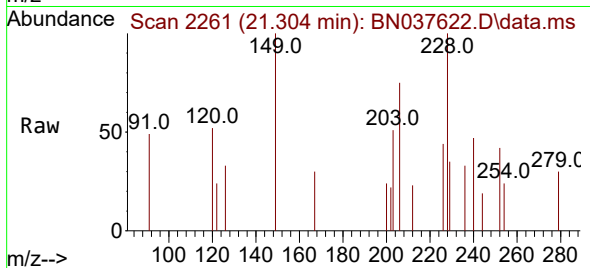
Acq: 20 Aug 2025 06:38

Instrument :

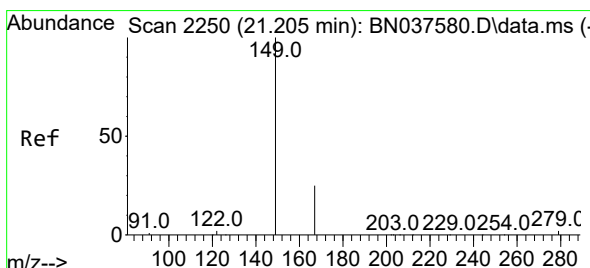
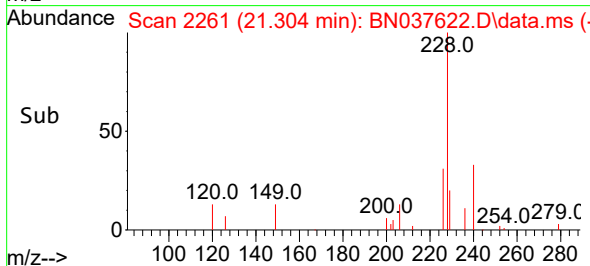
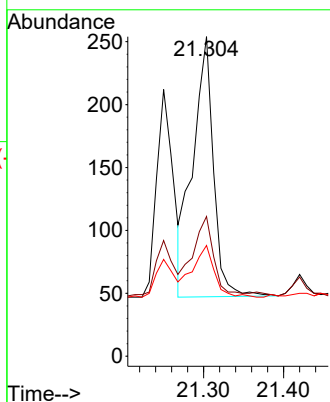
BNA_N

ClientSampleId :

MW-19B-71.5-081325DL



Tgt Ion:	228	Resp:	372
Ion Ratio	Lower	Upper	
228	100		
226	43.7	24.9	37.3#
229	34.6	15.8	23.8#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.083 ng

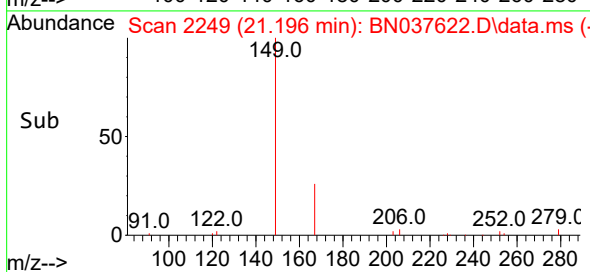
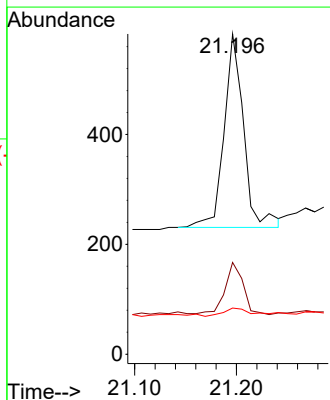
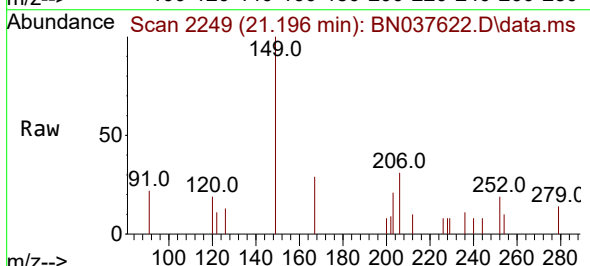
RT: 21.196 min Scan# 2249

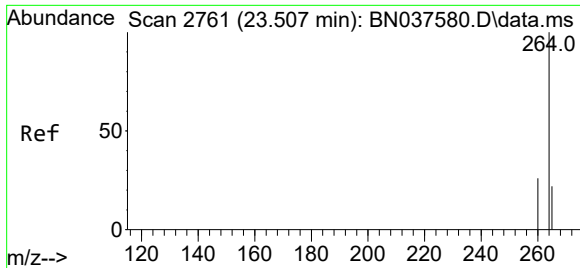
Delta R.T. -0.009 min

Lab File: BN037622.D

Acq: 20 Aug 2025 06:38

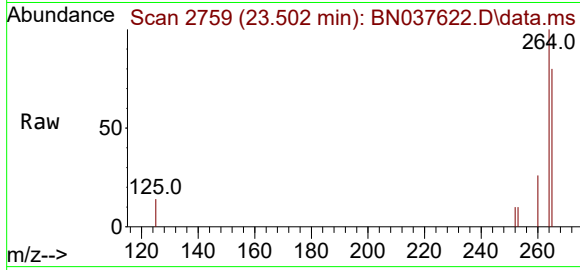
Tgt Ion:	149	Resp:	469
Ion Ratio	Lower	Upper	
149	100		
167	25.2	20.5	30.7
279	6.2	2.6	4.0#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.502 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BN037622.D
 Acq: 20 Aug 2025 06:38

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



Tgt Ion:264 Resp: 3877

Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.6	32.4
265	80.1	48.2	72.4#

