

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)

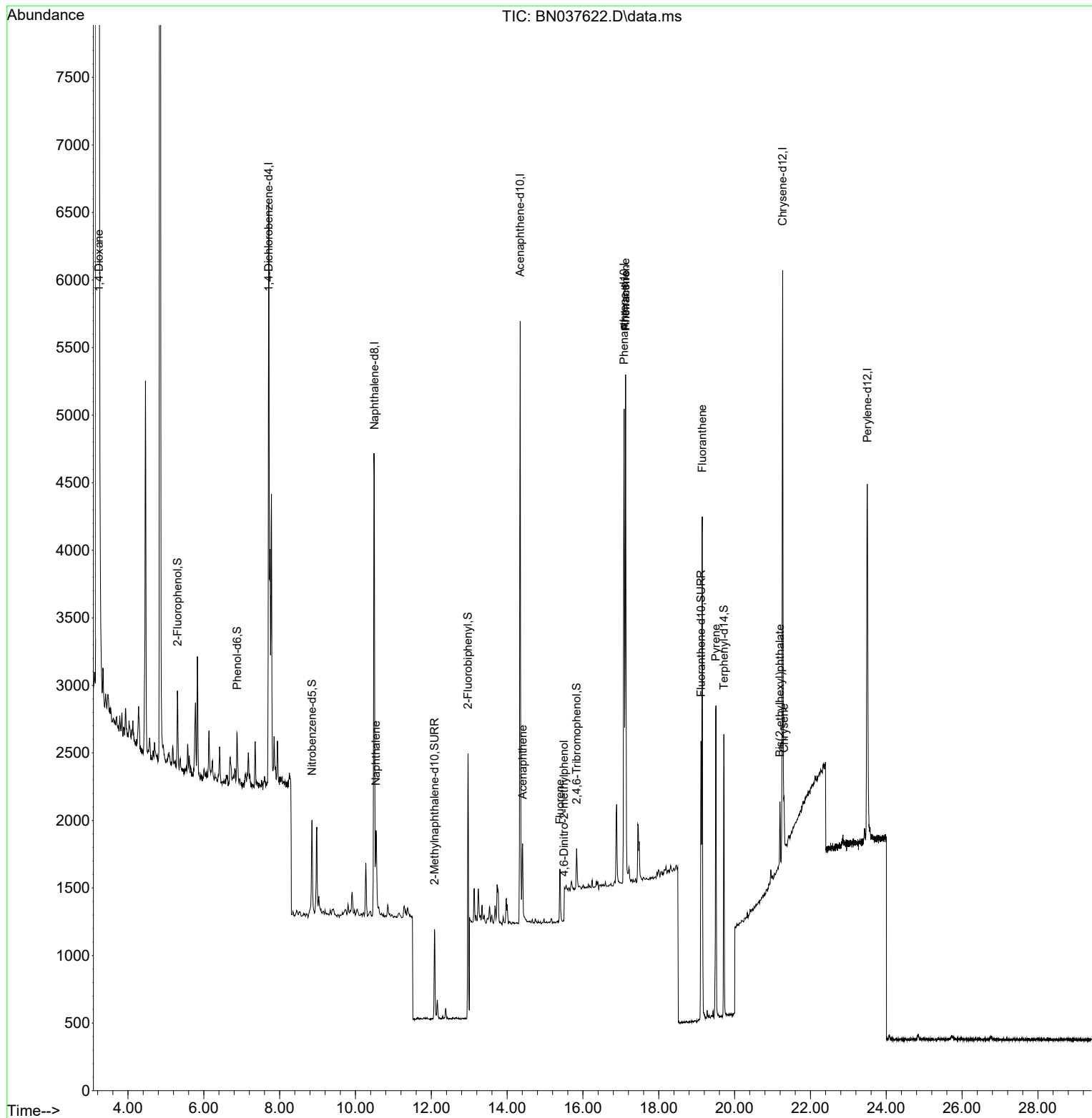
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2126	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4898	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2452	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4999	0.400	ng	# 0.00
29) Chrysene-d12	21.268	240	4107	0.400	ng	# 0.00
35) Perylene-d12	23.502	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
20) 4,6-Dinitro-2-methylph...	15.499	198	2	0.183	ng	# 1
25) Phenanthrene	17.124	178	3918	0.258	ng	99
26) Anthracene	17.124	178	3918	0.291	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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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

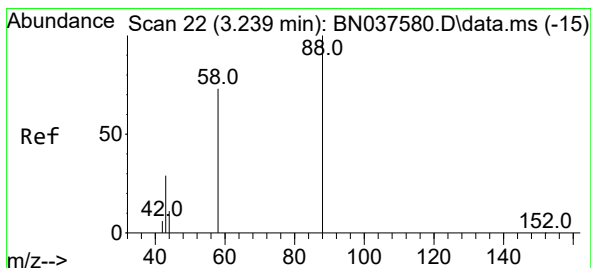
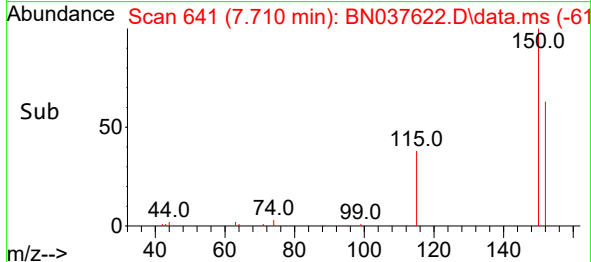
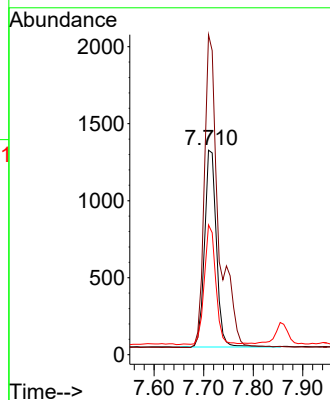
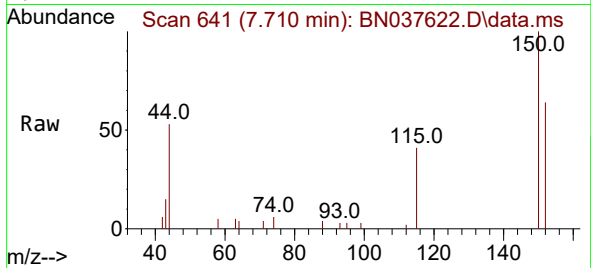




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN037622.D
 Acq: 20 Aug 2025 06:38

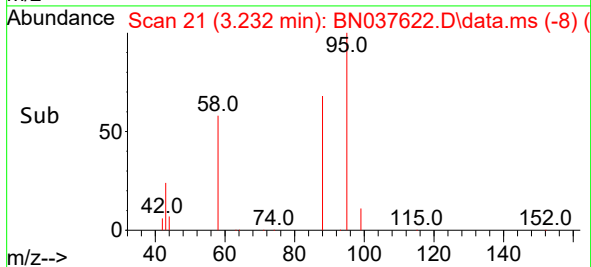
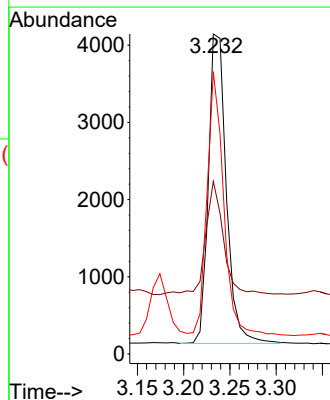
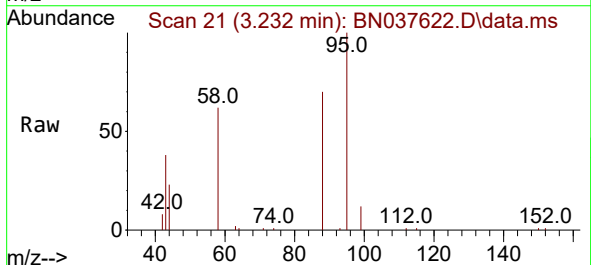
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325DL

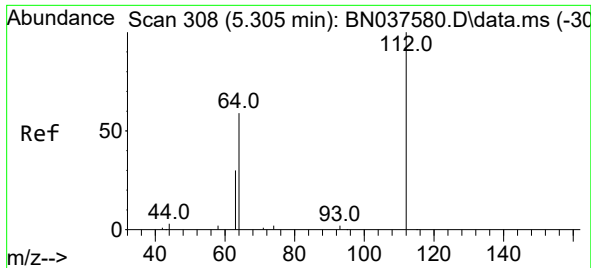
Tgt Ion:152 Resp: 2126
 Ion Ratio Lower Upper
 152 100
 150 156.5 122.2 183.4
 115 63.5 49.8 74.6



#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

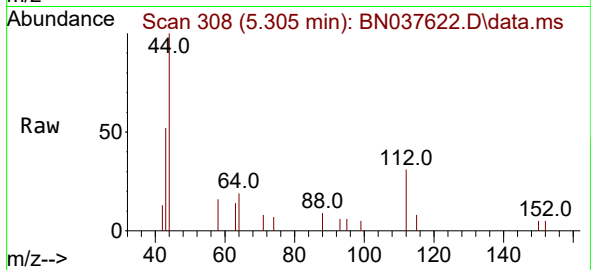
Acq: 20 Aug 2025 06:38

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325DL



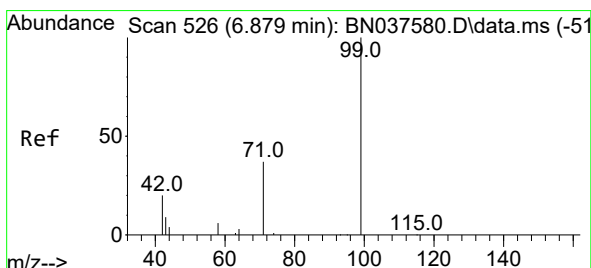
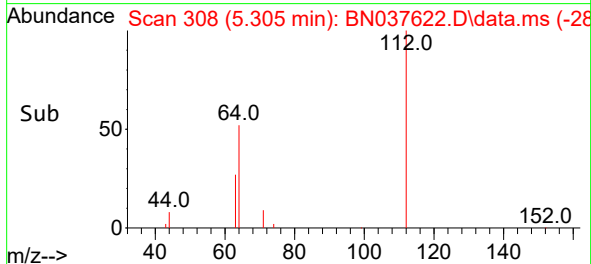
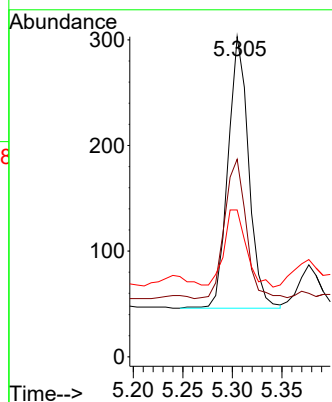
Tgt Ion:112 Resp: 373

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

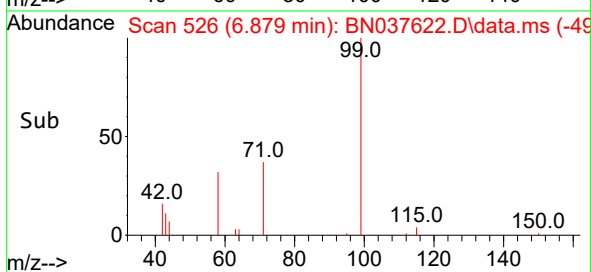
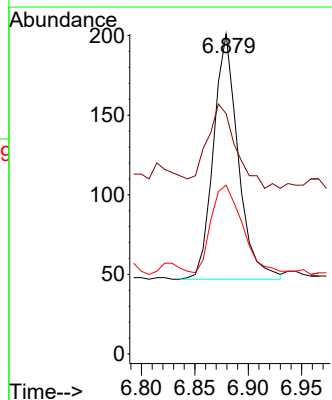
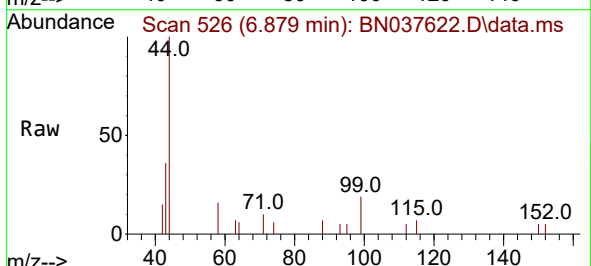
Tgt Ion: 99 Resp: 248

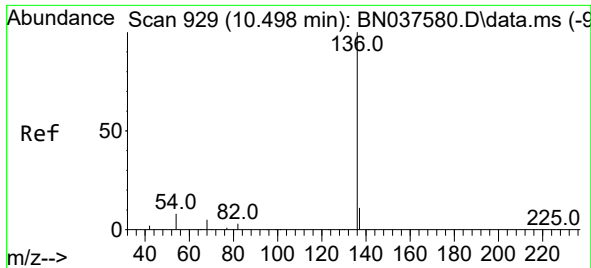
Ion Ratio Lower Upper

99 100

42 40.7 18.5 27.7#

71 51.2 28.6 42.8#

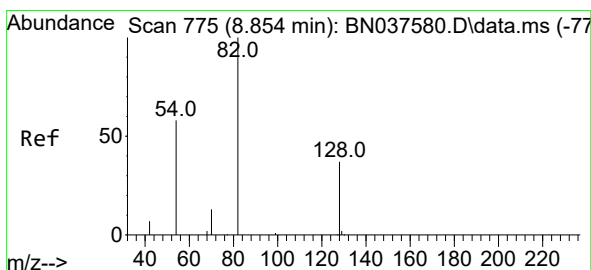
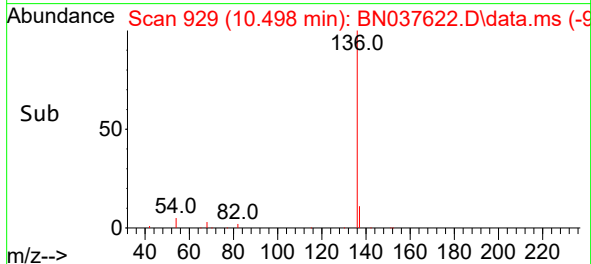
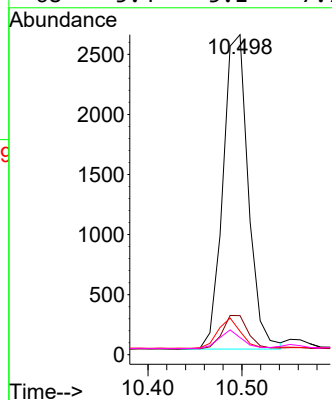
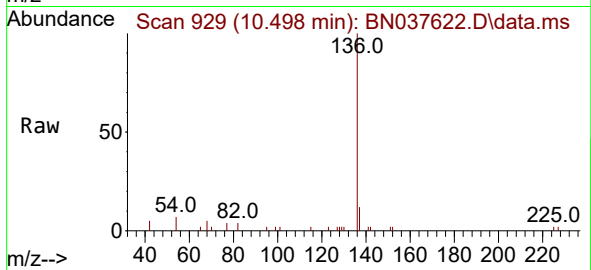




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

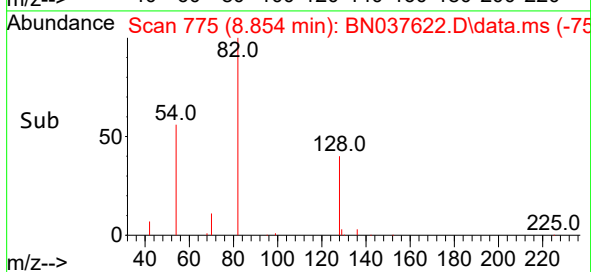
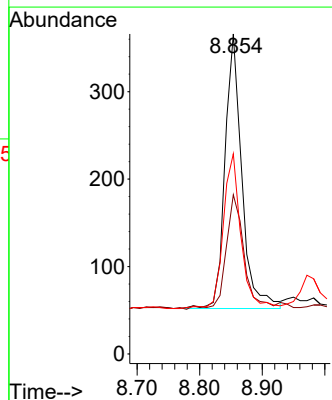
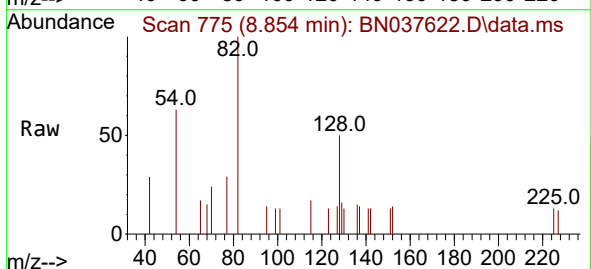
Instrument :
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MW-19B-71.5-081325DL

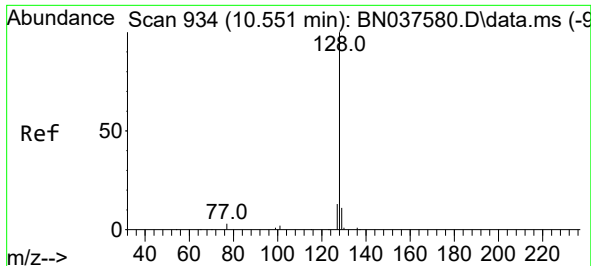
Tgt Ion:	136	Resp:	4898
Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	7.3	7.3	10.9
68	5.4	5.1	7.7



#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

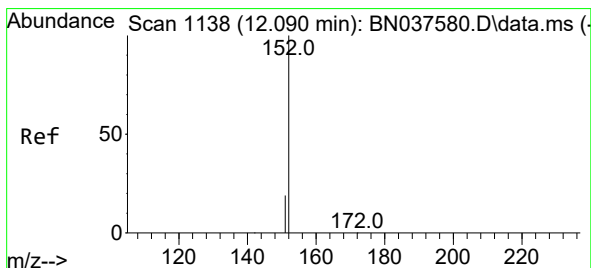
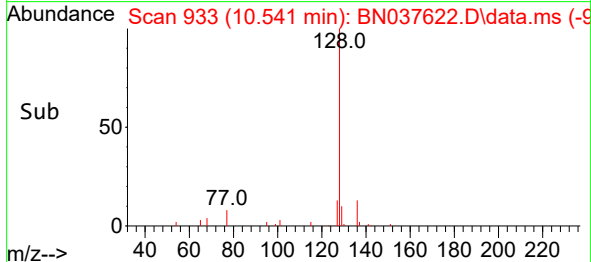
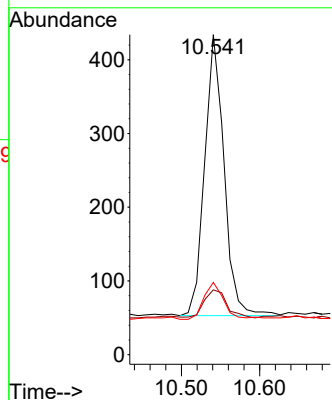
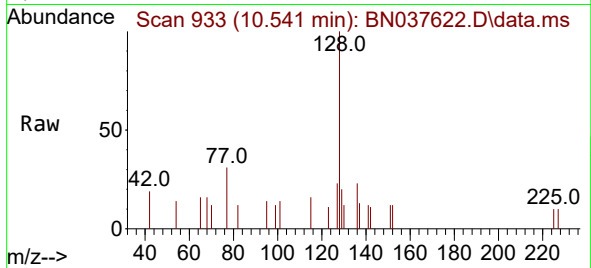




#9
Naphthalene
Concen: 0.050 ng
RT: 10.541 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

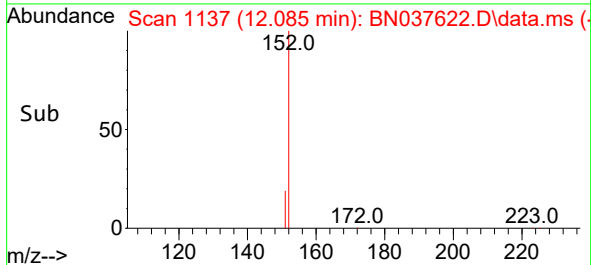
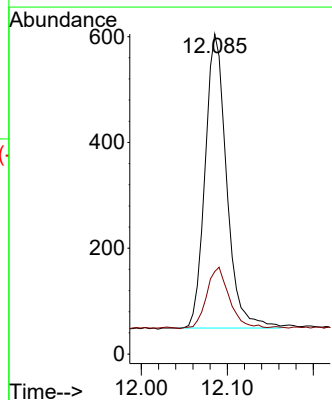
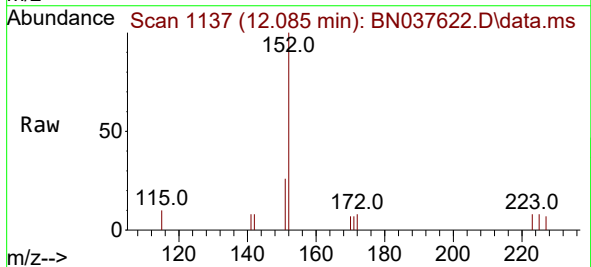
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

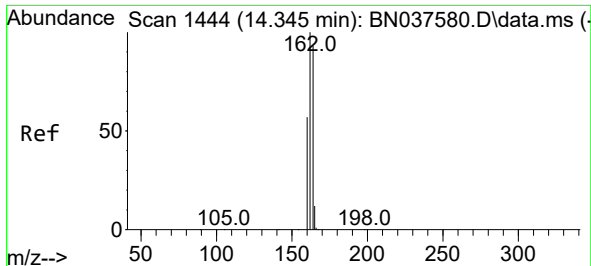
Tgt Ion:128 Resp: 657
Ion Ratio Lower Upper
128 100
129 20.3 9.8 14.6#
127 22.6 11.5 17.3#



#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

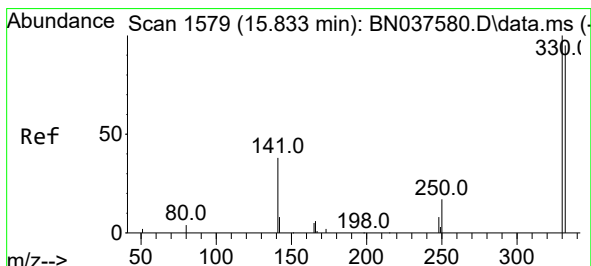
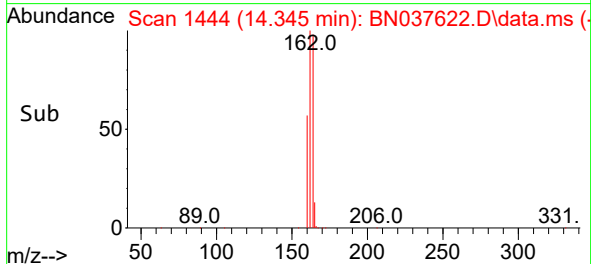
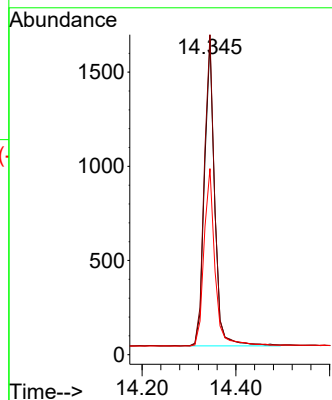
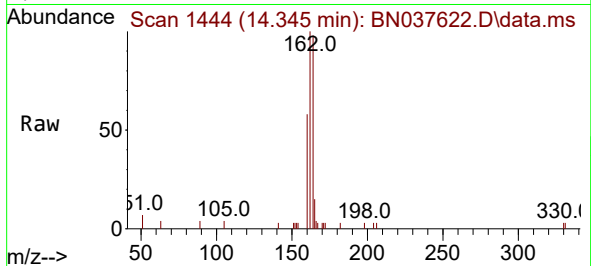




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

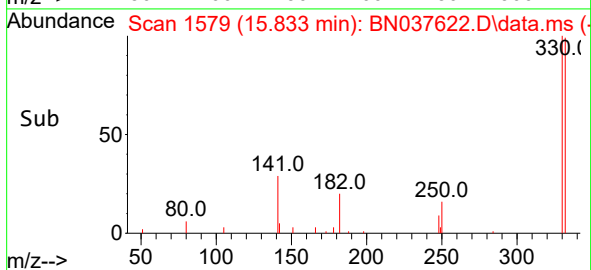
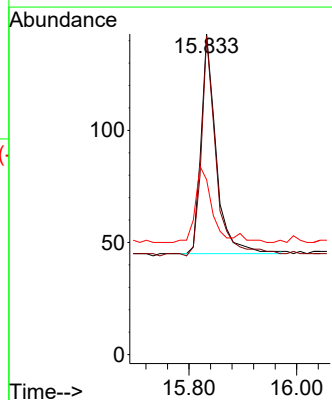
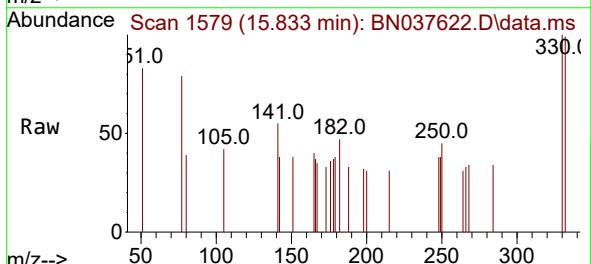
Instrument :
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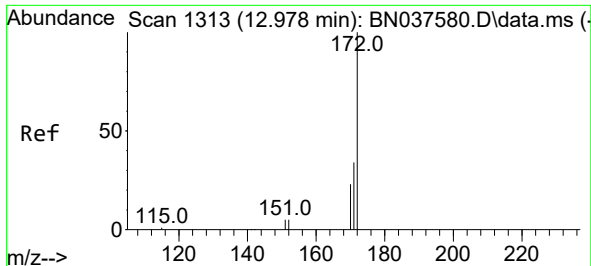
Tgt Ion:164 Resp: 2452
Ion Ratio Lower Upper
164 100
162 102.0 85.5 128.3
160 59.3 49.5 74.3



#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

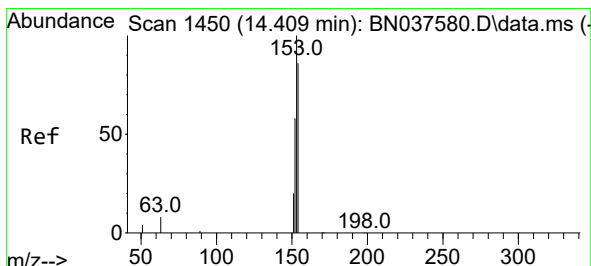
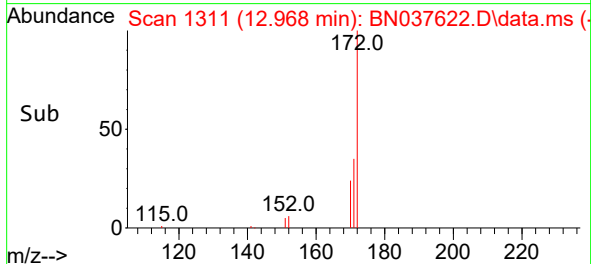
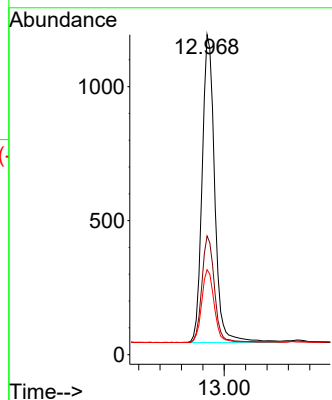
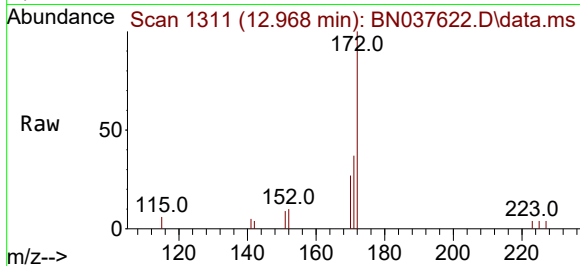




#15
2-Fluorobiphenyl
Concen: 0.178 ng
RT: 12.968 min Scan# 11
Delta R.T. -0.010 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

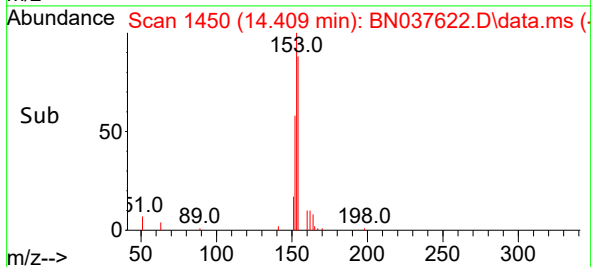
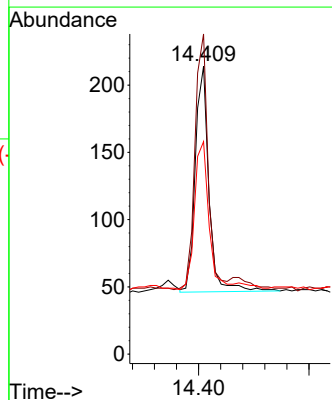
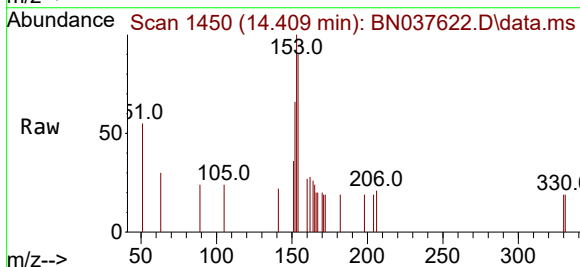
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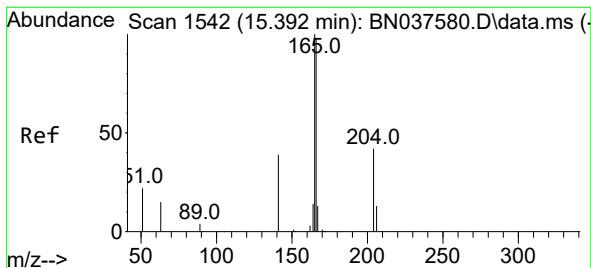
Tgt Ion:	172	Resp:	2522
Ion Ratio	Lower	Upper	
172	100		
171	37.1	28.2	42.4
170	26.5	19.2	28.8



#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

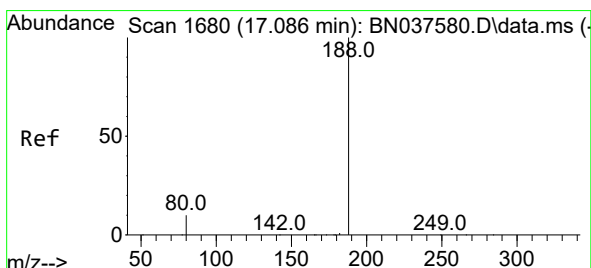
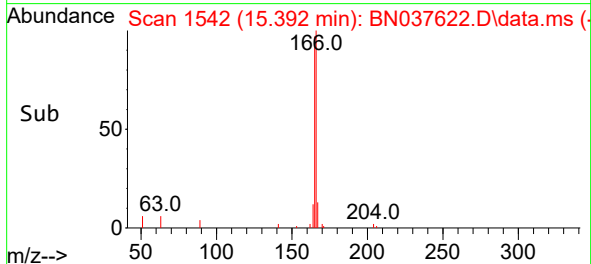
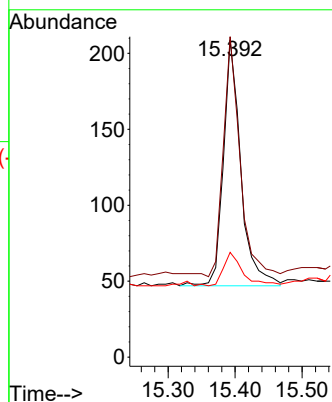
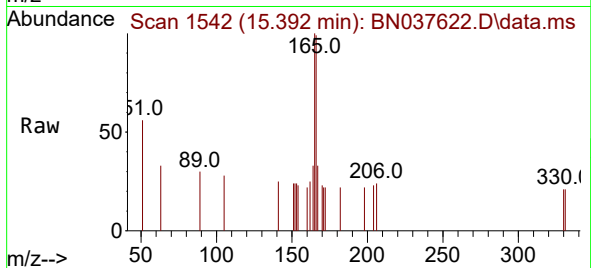
Tgt Ion:166 Resp: 293

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

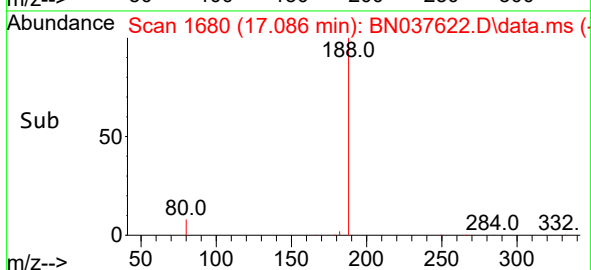
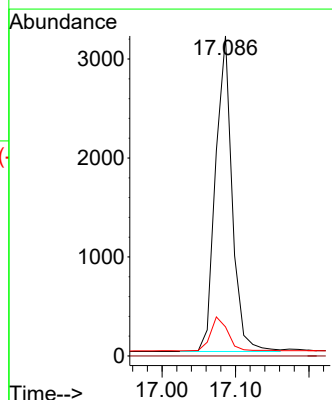
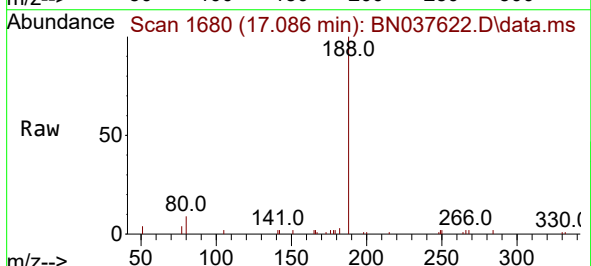
Tgt Ion:188 Resp: 4999

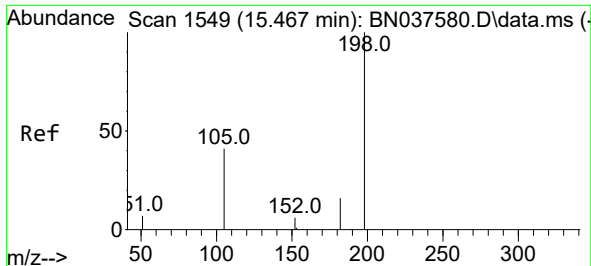
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.1 9.1 13.7#

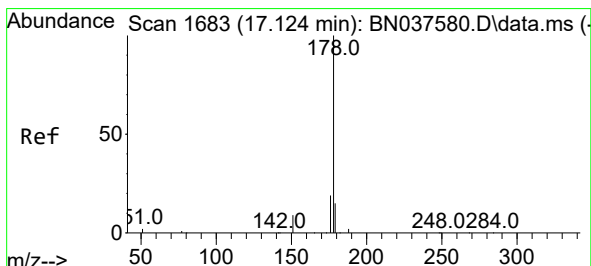
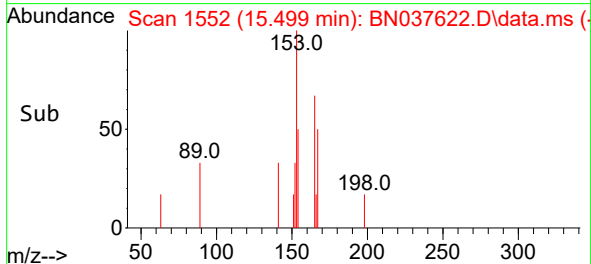
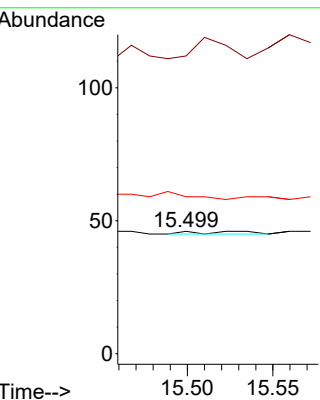
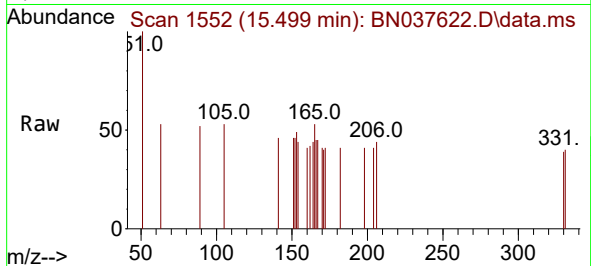




#20
4,6-Dinitro-2-methylphenol
Concen: 0.183 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.032 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

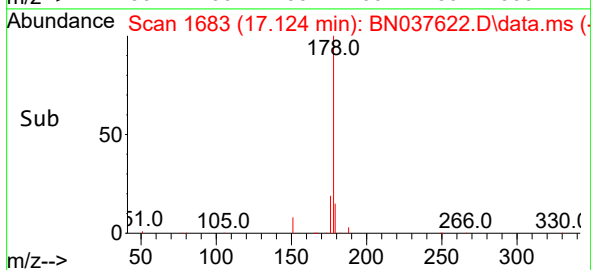
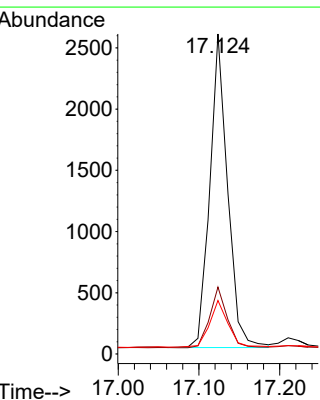
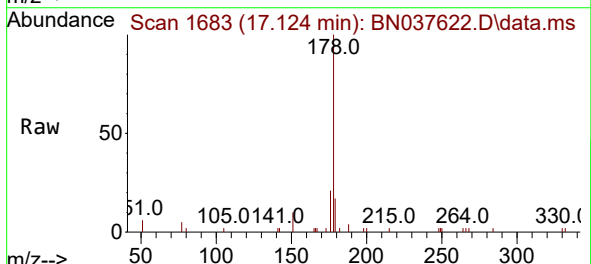
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

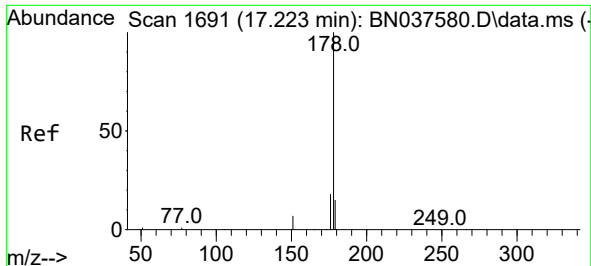
Tgt Ion:	198	Resp:	2
Ion	Ratio	Lower	Upper
198	100		
51	243.5	81.0	121.6#
105	128.3	52.5	78.7#



#25
Phenanthrene
Concen: 0.258 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

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

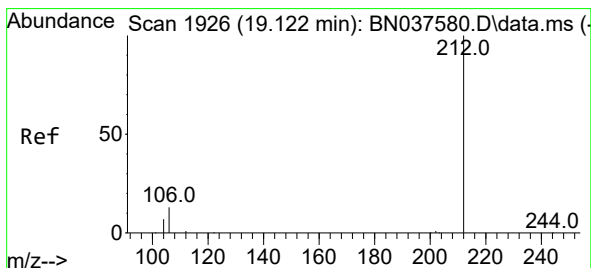
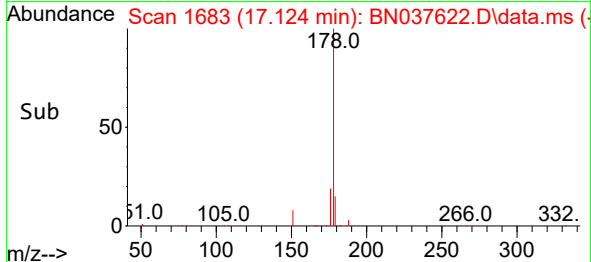
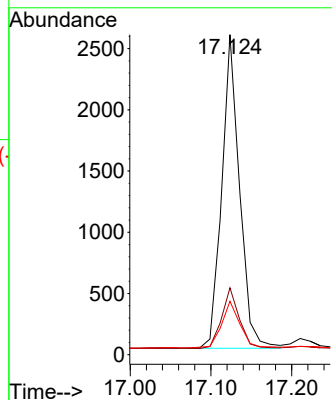
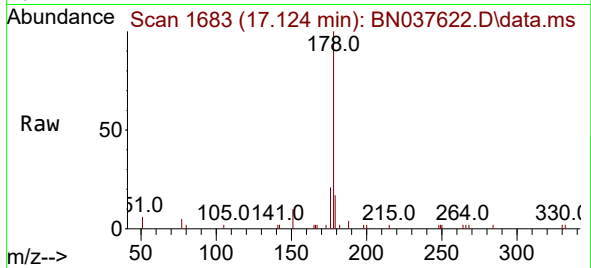




#26
 Anthracene
 Concen: 0.291 ng
 RT: 17.124 min Scan# 1683
 Delta R.T. -0.099 min
 Lab File: BN037622.D
 Acq: 20 Aug 2025 06:38

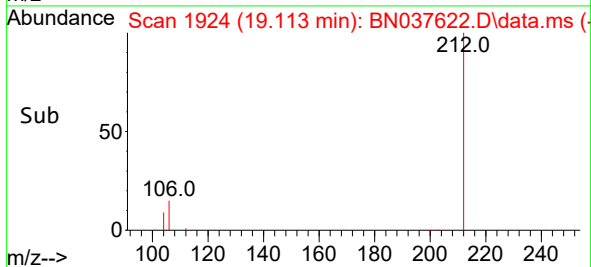
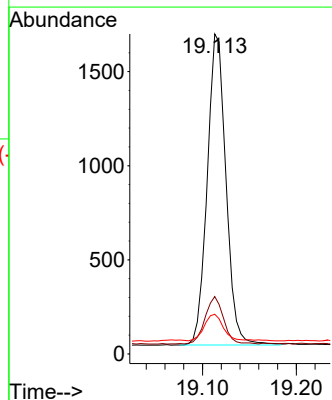
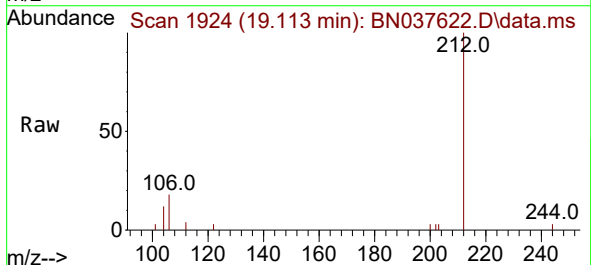
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-71.5-081325DL

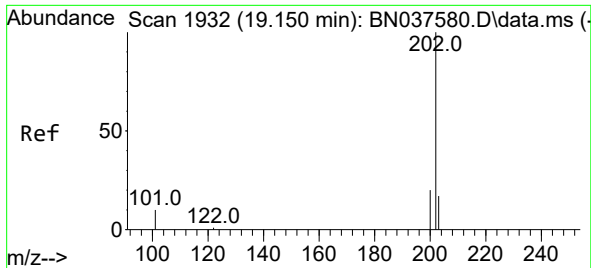
Tgt Ion:	178	Resp:	3918
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.2	12.3	18.5



#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

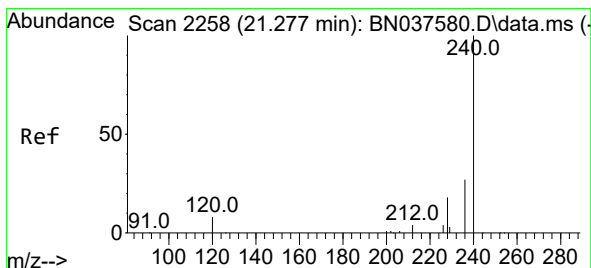
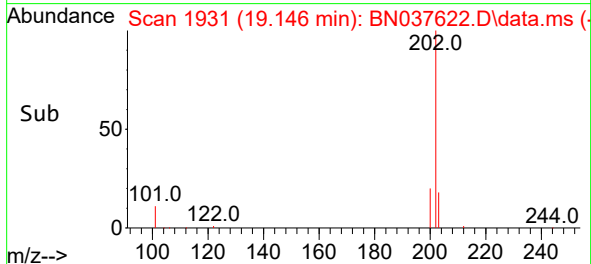
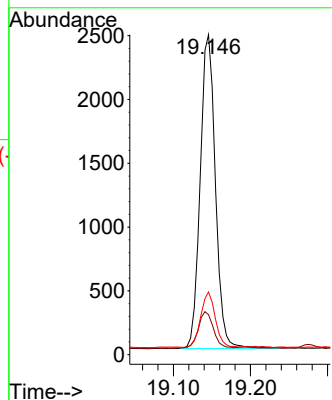
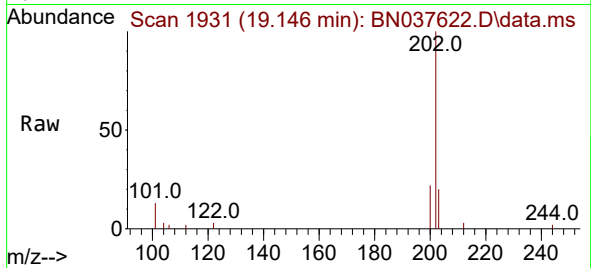




#28
Fluoranthene
Concen: 0.193 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

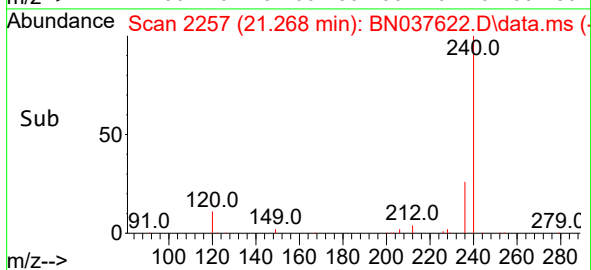
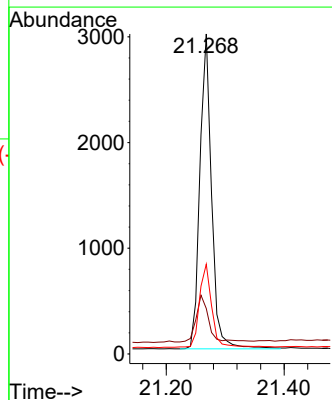
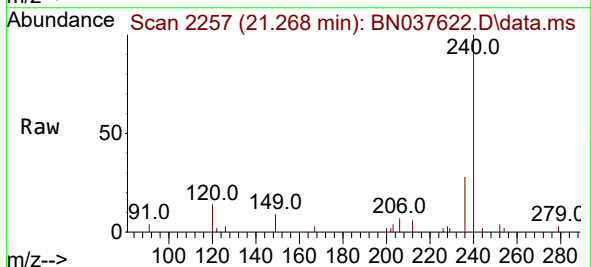
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

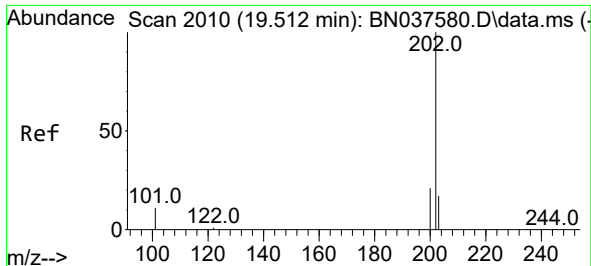
Tgt Ion:202 Resp: 3362
Ion Ratio Lower Upper
202 100
101 11.6 9.0 13.6
203 16.9 13.8 20.8



#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

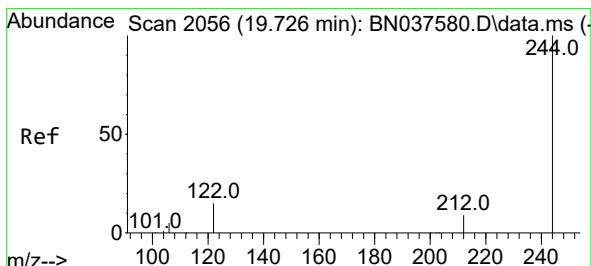
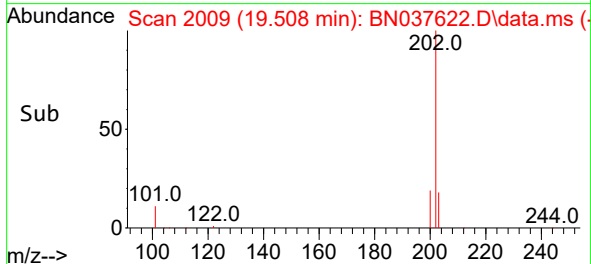
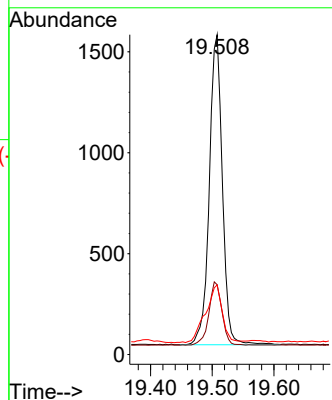
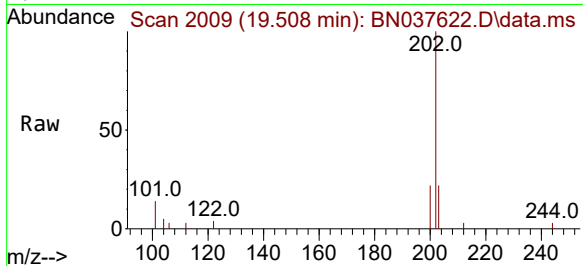




#30
Pyrene
Concen: 0.147 ng
RT: 19.508 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BN037622.D
Acq: 20 Aug 2025 06:38

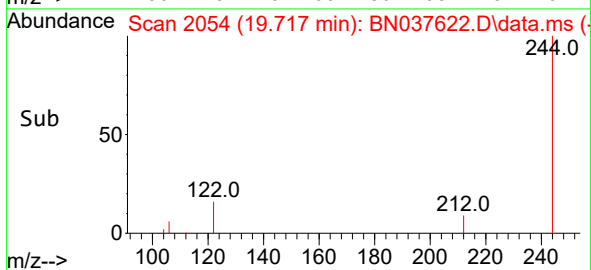
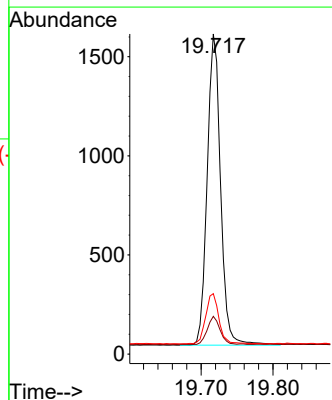
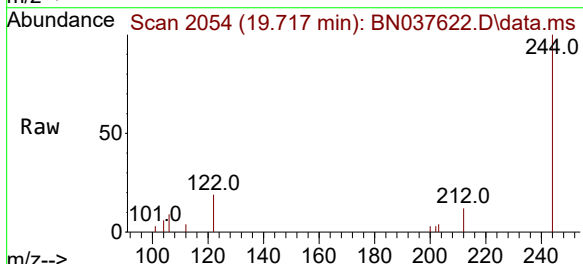
Instrument :
BNA_N
ClientSampleId :
MW-19B-71.5-081325DL

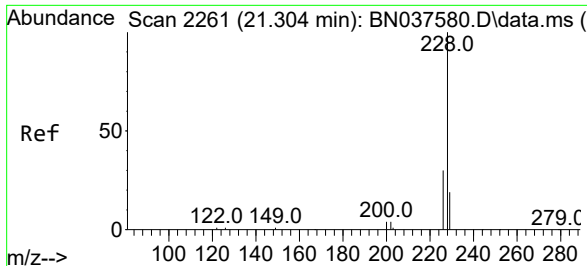
Tgt Ion:202 Resp: 2255
Ion Ratio Lower Upper
202 100
200 20.3 16.6 25.0
203 24.1 14.3 21.5#



#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

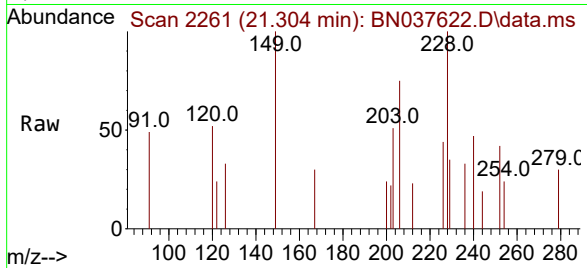
Acq: 20 Aug 2025 06:38

Instrument :

BNA_N

ClientSampleId :

MW-19B-71.5-081325DL



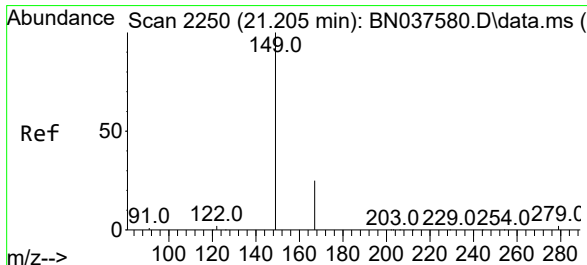
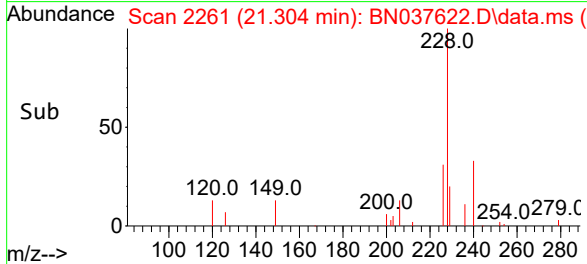
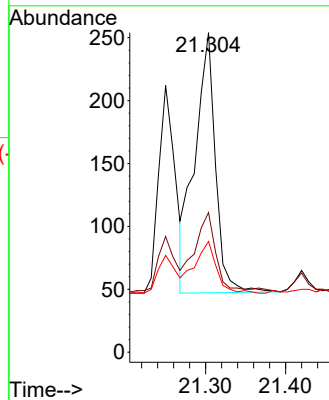
Tgt Ion:228 Resp: 372

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

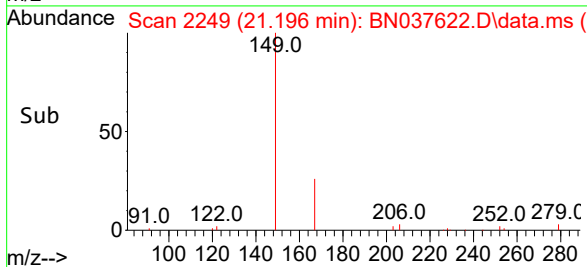
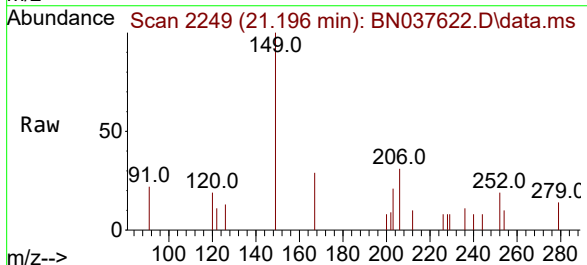
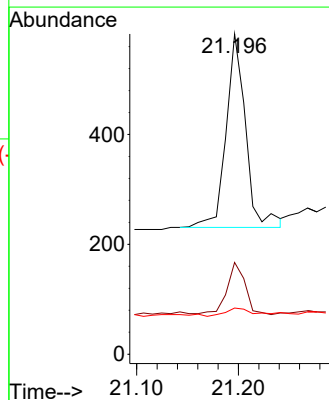
Tgt Ion:149 Resp: 469

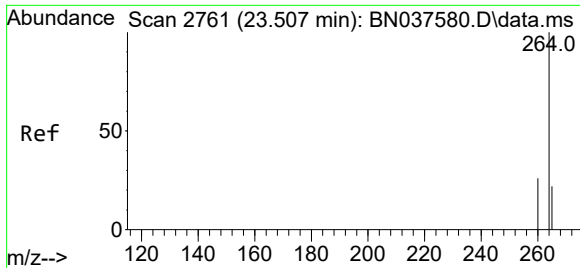
Ion Ratio Lower Upper

149 100

167 25.2 20.5 30.7

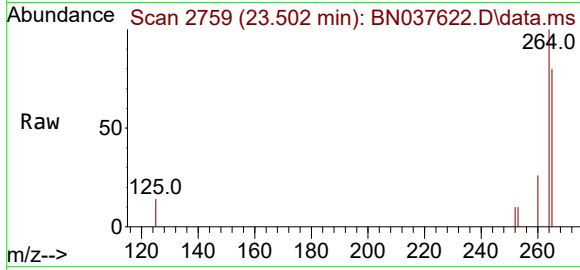
279 6.2 2.6 4.0#





#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#

