

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052825\
 Data File : BN037118.D
 Acq On : 28 May 2025 20:47
 Operator : RC/JU
 Sample : Q2082-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VPB182-HYD-20250516

Quant Time: May 29 01:33:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 14 11:26:32 2025
 Response via : Initial Calibration

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

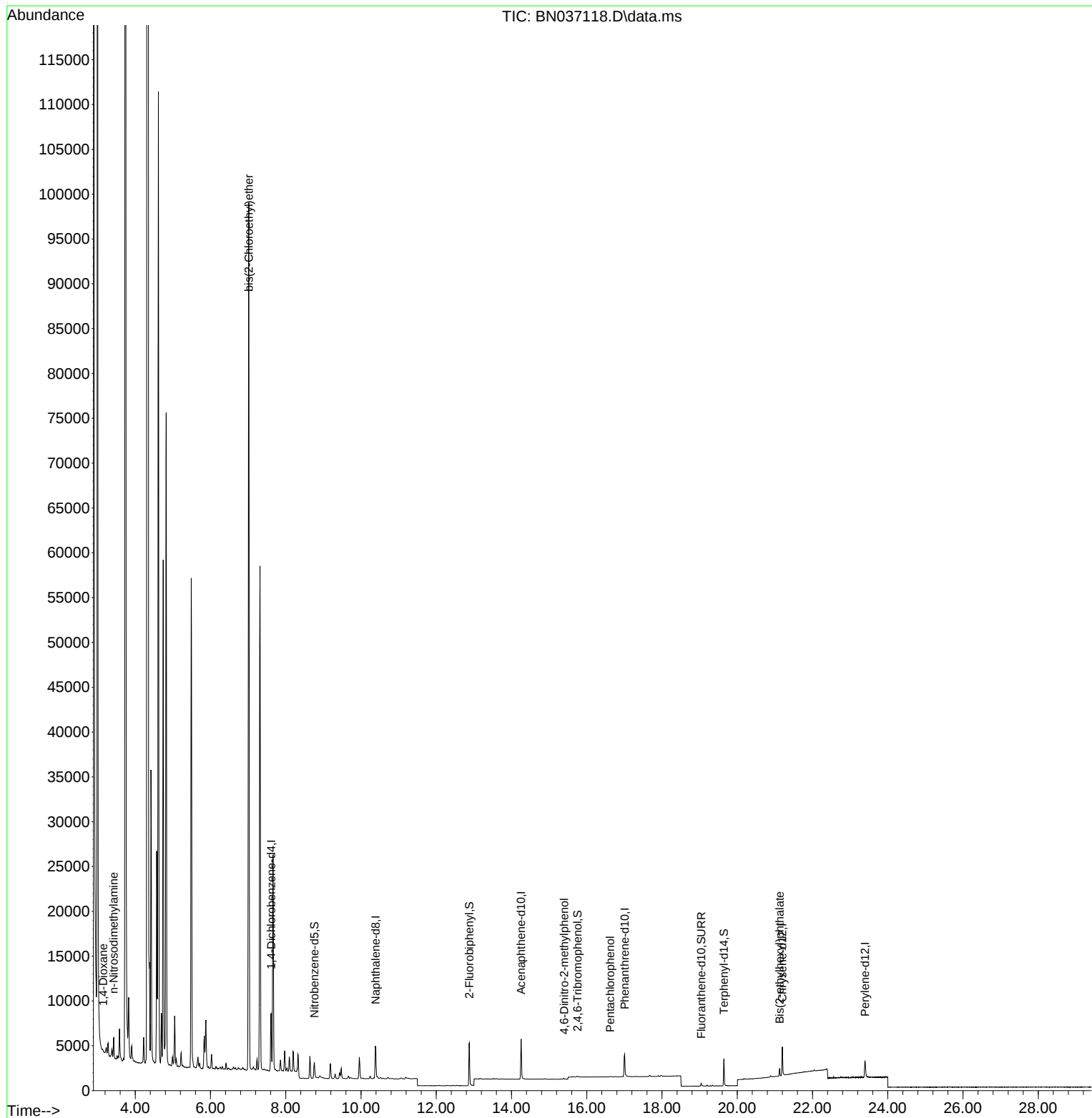
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.611	152	2059	0.400	ng	0.00
7) Naphthalene-d8	10.394	136	5062	0.400	ng	-0.01
13) Acenaphthene-d10	14.256	164	2514	0.400	ng	-0.01
19) Phenanthrene-d10	17.009	188	4253	0.400	ng	# 0.00
29) Chrysene-d12	21.198	240	3086	0.400	ng	# 0.00
35) Perylene-d12	23.398	264	2551	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.213	112	17	0.003	ng	0.00
5) Phenol-d6	6.788	99	13	0.002	ng	0.00
8) Nitrobenzene-d5	8.760	82	1567	0.284	ng	-0.01
11) 2-Methylnaphthalene-d10	11.991	152	56	0.008	ng	0.00
14) 2,4,6-Tribromophenol	15.755	330	66	0.060	ng	-0.01
15) 2-Fluorobiphenyl	12.878	172	4757	0.413	ng	0.00
27) Fluoranthene-d10	19.040	212	379	0.032	ng	0.00
31) Terphenyl-d14	19.644	244	3020	0.458	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.148	88	75	0.030	ng	# 49
3) n-Nitrosodimethylamine	3.429	42	214	0.039	ng	# 17
6) bis(2-Chloroethyl)ether	7.019	93	47114	7.584	ng	# 39
20) 4,6-Dinitro-2-methylph...	15.400	198	3	0.027	ng	# 1
24) Pentachlorophenol	16.624	266	43	0.027	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.126	149	718	0.100	ng	# 98

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

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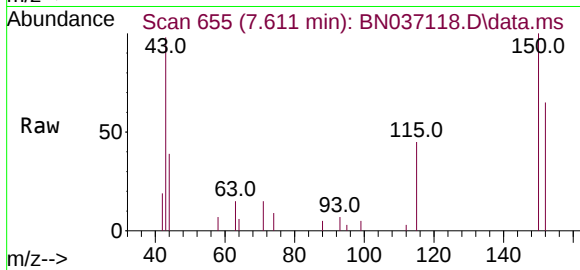
Quant Time: May 29 01:33:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN051425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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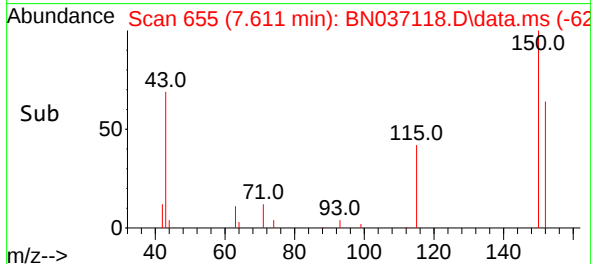
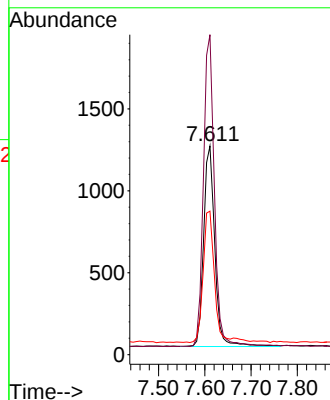
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.611 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: BN037118.D
 Acq: 28 May 2025 20:47

Instrument :
 BNA_N
 ClientSampleId :
 VPB182-HYD-20250516



Tgt Ion: 152 Resp: 2059

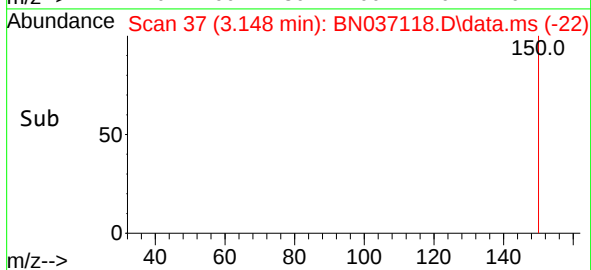
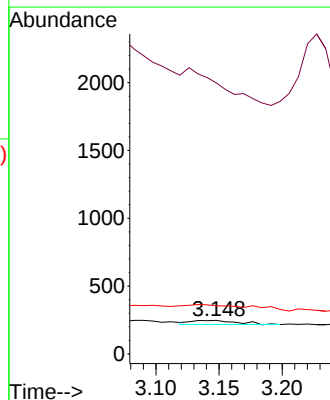
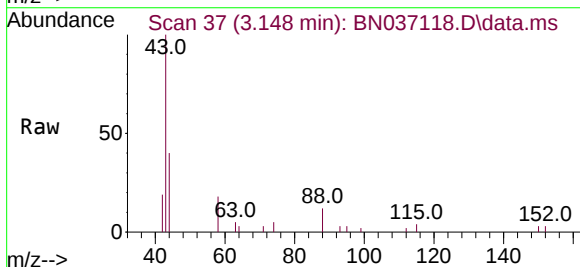
Ion	Ratio	Lower	Upper
152	100		
150	153.4	123.9	185.9
115	68.8	55.8	83.8



#2
 1,4-Dioxane
 Concen: 0.030 ng
 RT: 3.148 min Scan# 37
 Delta R.T. 0.008 min
 Lab File: BN037118.D
 Acq: 28 May 2025 20:47

Tgt Ion: 88 Resp: 75

Ion	Ratio	Lower	Upper
88	100		
43	0.0	37.4	56.0#
58	49.3	68.8	103.2#

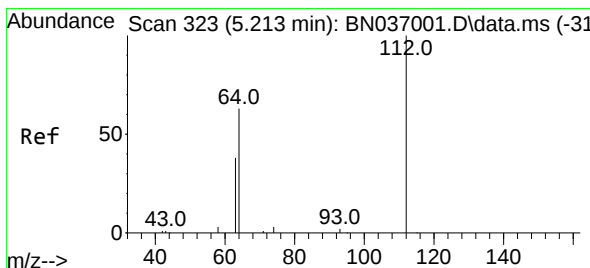
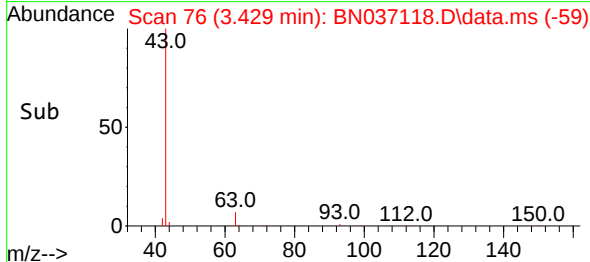
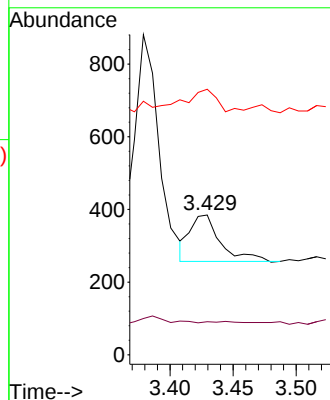
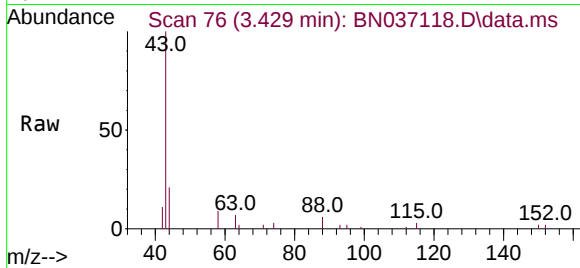




#3
 n-Nitrosodimethylamine
 Concen: 0.039 ng
 RT: 3.429 min Scan# 70
 Delta R.T. -0.029 min
 Lab File: BN037118.D
 Acq: 28 May 2025 20:47

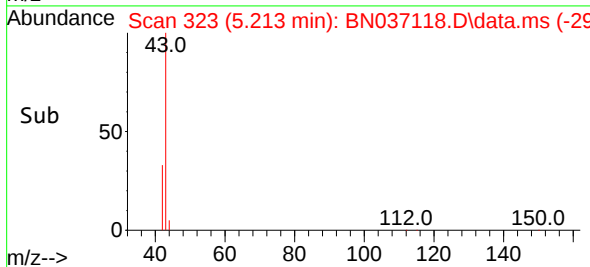
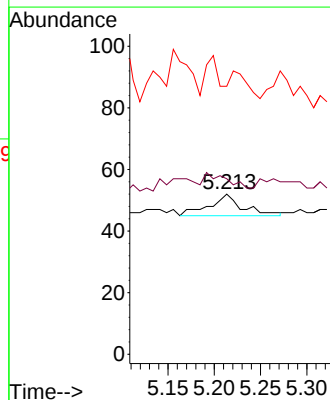
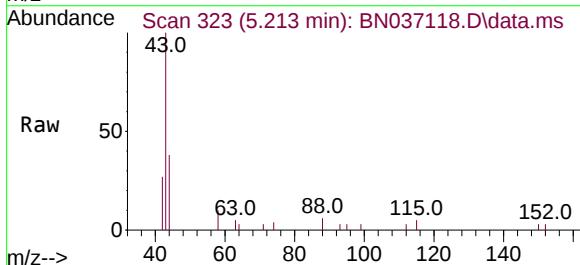
Instrument :
 BNA_N
 ClientSampleId :
 VPB182-HYD-20250516

Tgt Ion: 42 Resp: 214
 Ion Ratio Lower Upper
 42 100
 74 0.9 59.8 89.6#
 44 42.1 11.9 17.9#



#4
 2-Fluorophenol
 Concen: 0.003 ng
 RT: 5.213 min Scan# 323
 Delta R.T. 0.000 min
 Lab File: BN037118.D
 Acq: 28 May 2025 20:47

Tgt Ion: 112 Resp: 17
 Ion Ratio Lower Upper
 112 100
 64 0.0 55.7 83.5#
 63 58.8 34.6 51.8#

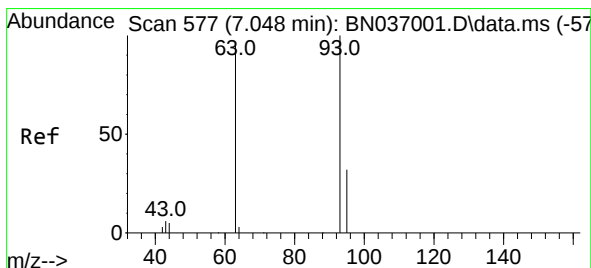
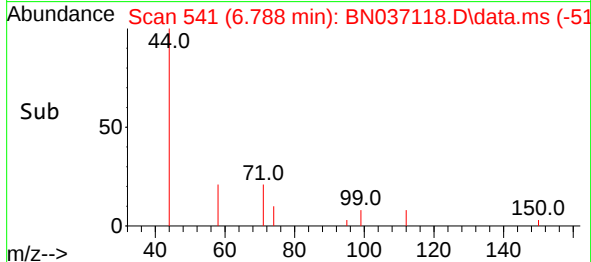
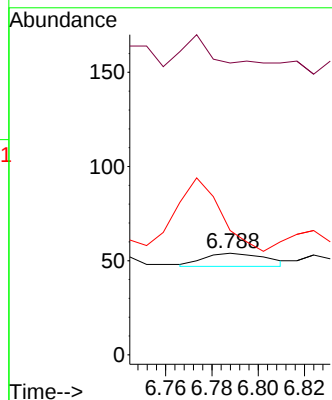
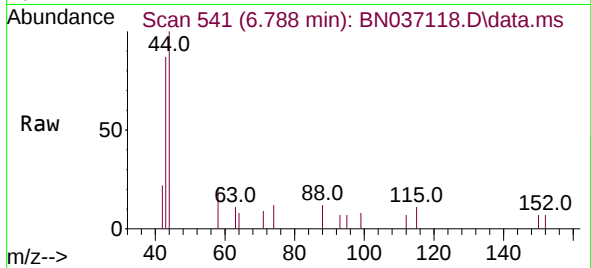




#5
Phenol-d6
Concen: 0.002 ng
RT: 6.788 min Scan# 541
Delta R.T. -0.007 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

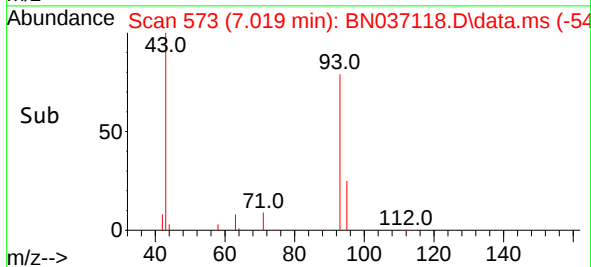
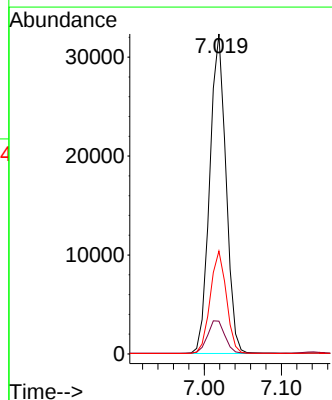
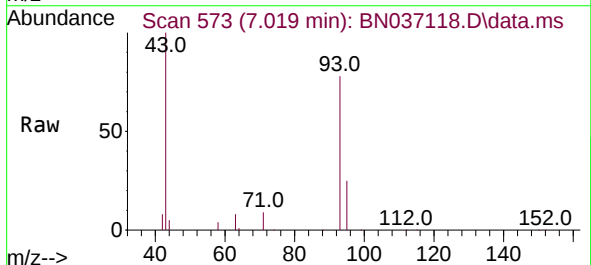
Instrument :
BNA_N
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion: 99 Resp: 13
Ion Ratio Lower Upper
99 100
42 246.2 29.3 43.9#
71 561.5 35.7 53.5#



#6
bis(2-Chloroethyl)ether
Concen: 7.584 ng
RT: 7.019 min Scan# 573
Delta R.T. -0.029 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

Tgt Ion: 93 Resp: 47114
Ion Ratio Lower Upper
93 100
63 10.8 70.1 105.1#
95 31.8 26.2 39.2

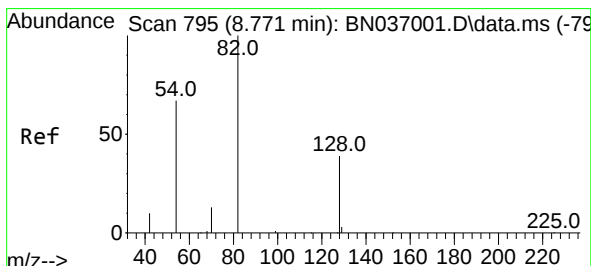
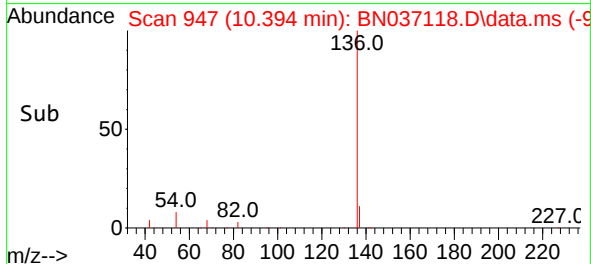
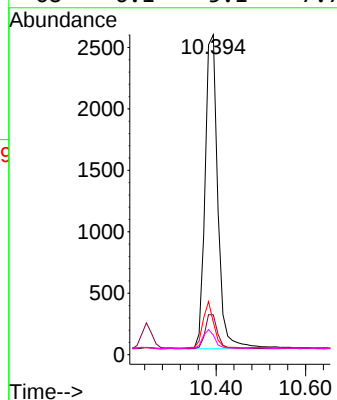
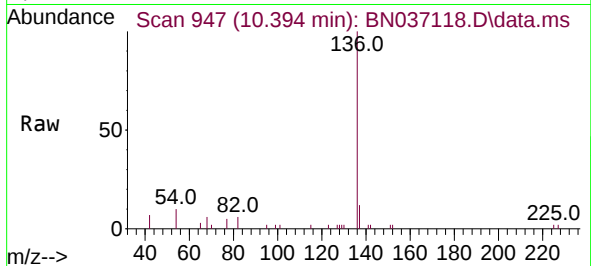




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.394 min Scan# 94
Delta R.T. -0.010 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

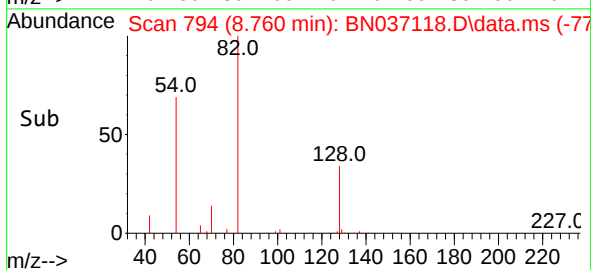
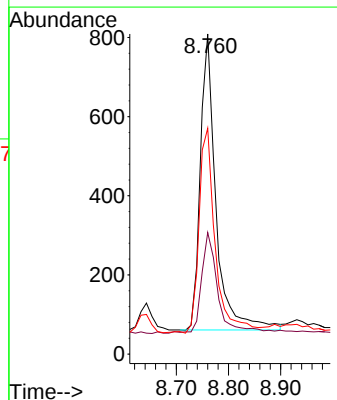
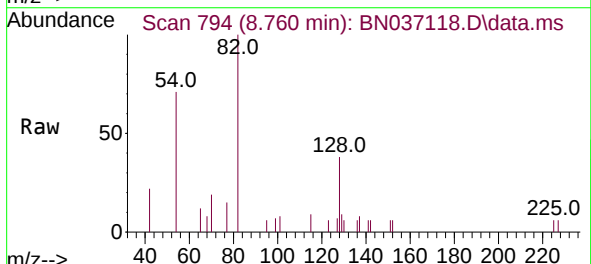
Instrument :
BNA_N
ClientSampleId :
VPB182-HYD-20250516

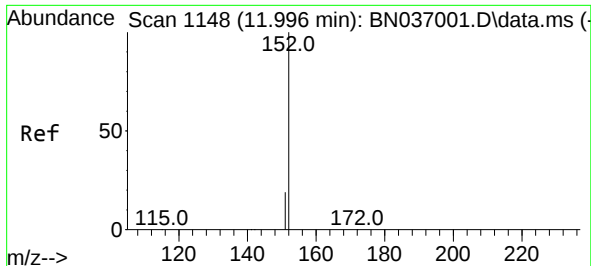
Tgt Ion:	136	Resp:	5062
Ion Ratio	Lower	Upper	
136	100		
137	12.4	10.4	15.6
54	10.1	8.5	12.7
68	6.1	5.1	7.7



#8
Nitrobenzene-d5
Concen: 0.284 ng
RT: 8.760 min Scan# 794
Delta R.T. -0.010 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

Tgt Ion:	82	Resp:	1567
Ion Ratio	Lower	Upper	
82	100		
128	37.9	34.0	51.0
54	70.6	55.0	82.4





#11

2-Methylnaphthalene-d10

Concen: 0.008 ng

RT: 11.991 min Scan# 1147

Delta R.T. -0.005 min

Lab File: BN037118.D

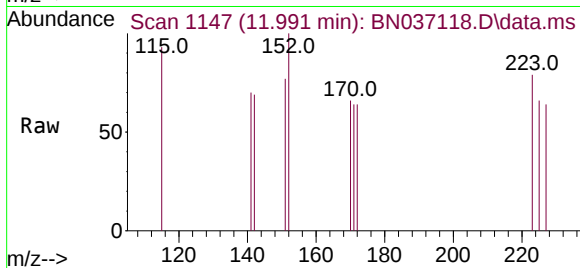
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Instrument :

BNA_N

ClientSampleId :

VPB182-HYD-20250516

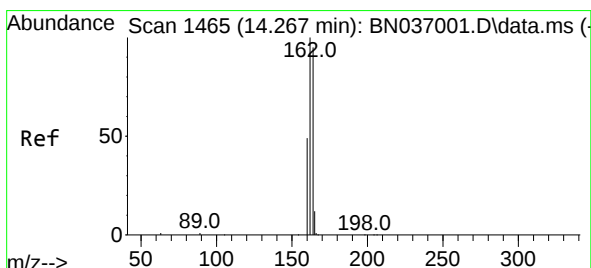
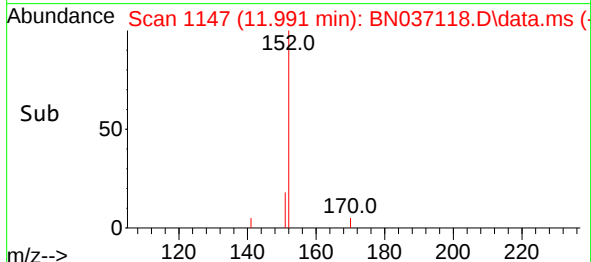
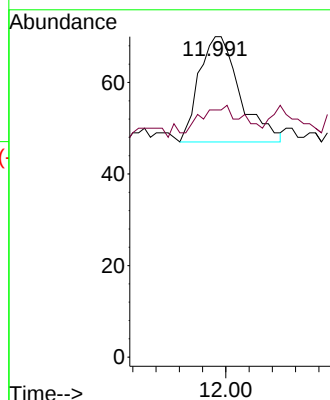


Tgt Ion:152 Resp: 56

Ion Ratio Lower Upper

152 100

151 25.0 17.5 26.3



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.256 min Scan# 1464

Delta R.T. -0.011 min

Lab File: BN037118.D

Acq: 28 May 2025 20:47

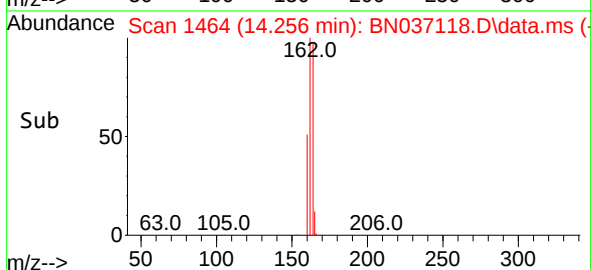
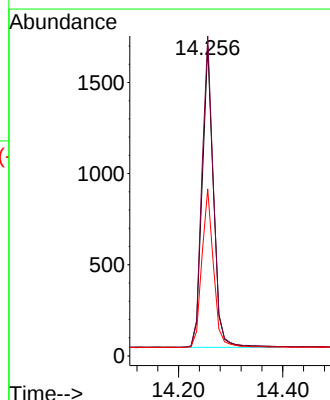
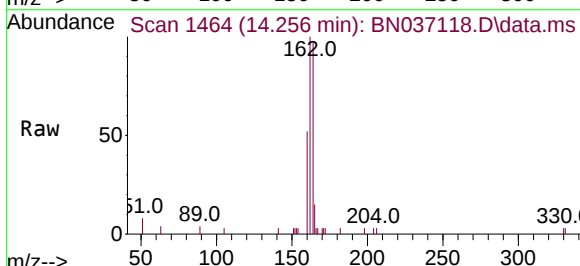
Tgt Ion:164 Resp: 2514

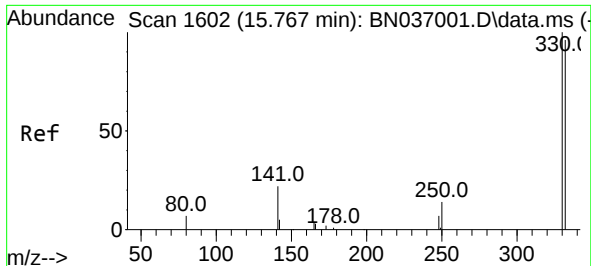
Ion Ratio Lower Upper

164 100

162 103.2 84.2 126.4

160 53.9 42.6 63.8

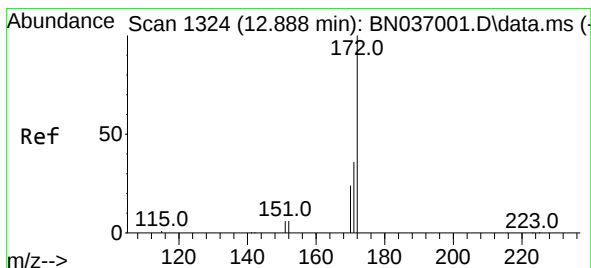
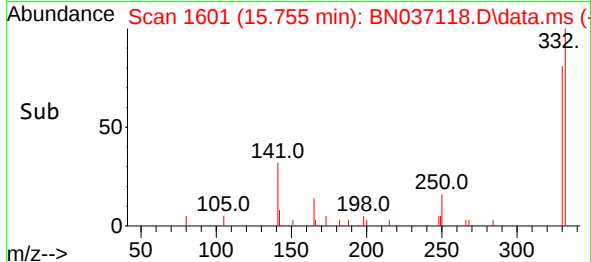
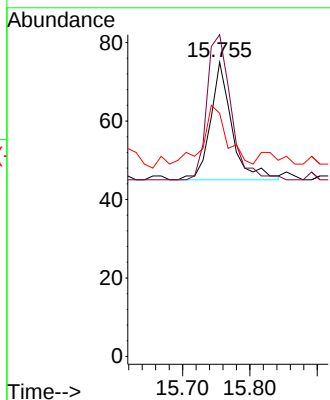
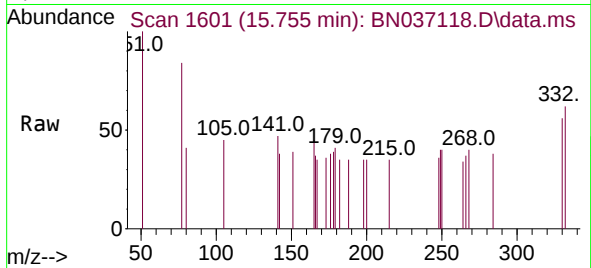




#14
2,4,6-Tribromophenol
Concen: 0.060 ng
RT: 15.755 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

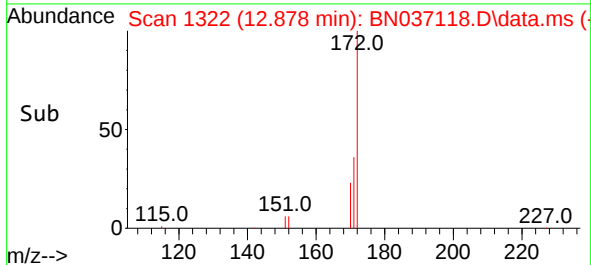
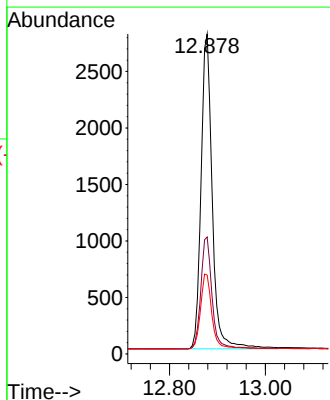
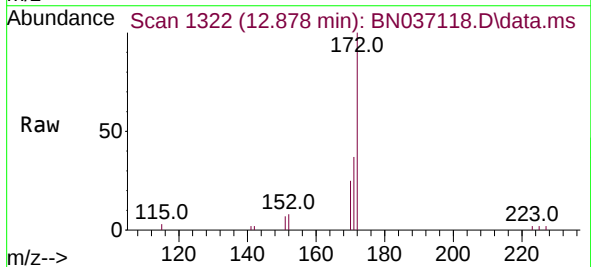
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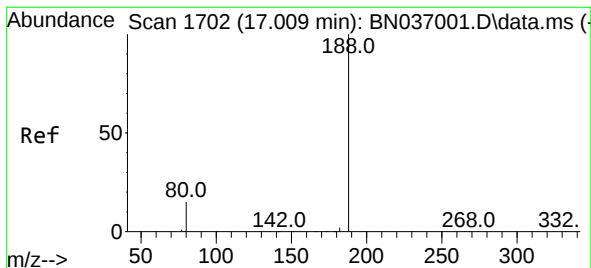
Tgt Ion:330 Resp: 66
Ion Ratio Lower Upper
330 100
332 139.4 73.8 110.8#
141 69.7 43.9 65.9#



#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 12.878 min Scan# 1322
Delta R.T. -0.010 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

Tgt Ion:172 Resp: 4757
Ion Ratio Lower Upper
172 100
171 36.5 29.2 43.8
170 24.6 20.5 30.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.009 min Scan# 1

Delta R.T. 0.000 min

Lab File: BN037118.D

Acq: 28 May 2025 20:47

Instrument :

BNA_N

ClientSampleId :

VPB182-HYD-20250516

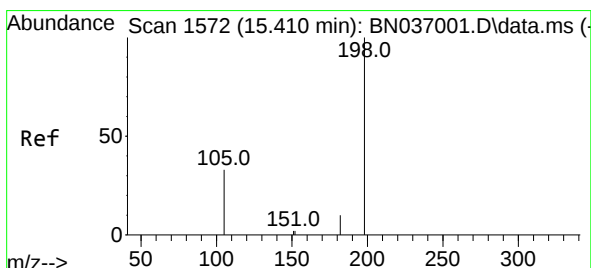
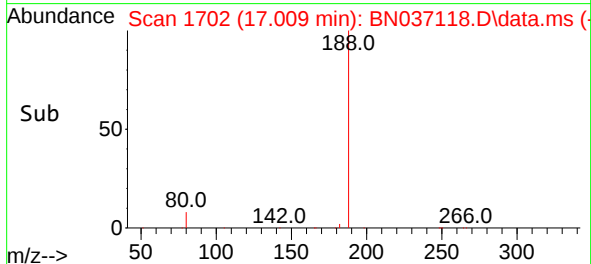
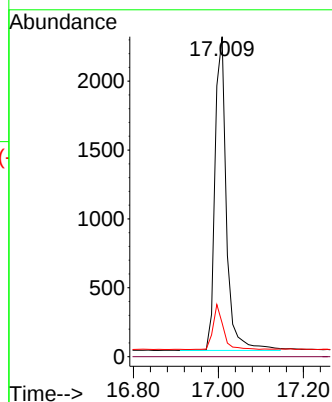
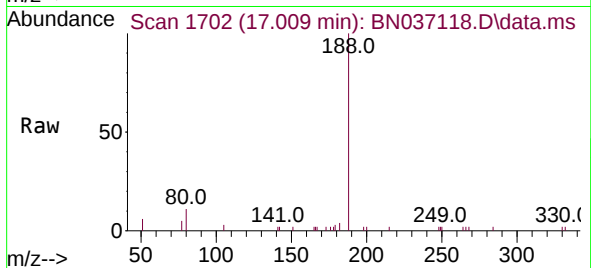
Tgt Ion:188 Resp: 4253

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.5 13.4 20.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.027 ng

RT: 15.400 min Scan# 1571

Delta R.T. -0.010 min

Lab File: BN037118.D

Acq: 28 May 2025 20:47

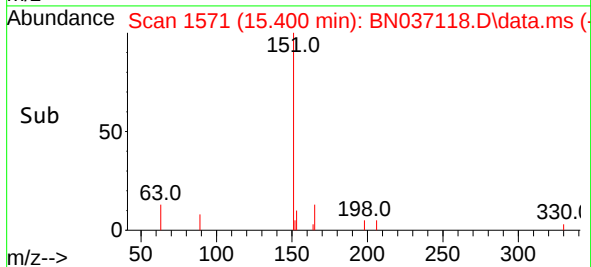
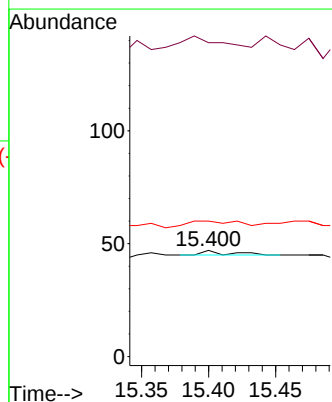
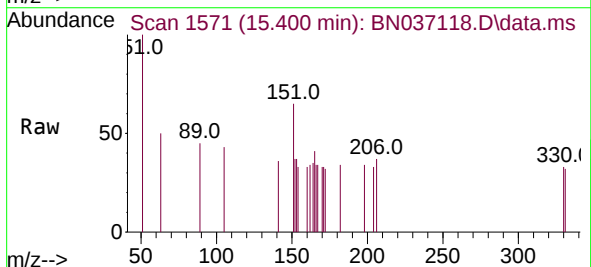
Tgt Ion:198 Resp: 3

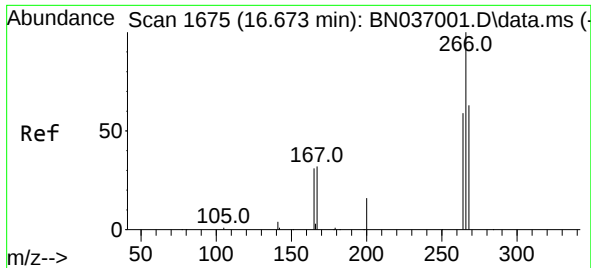
Ion Ratio Lower Upper

198 100

51 295.7 87.8 131.6#

105 127.7 44.2 66.4#

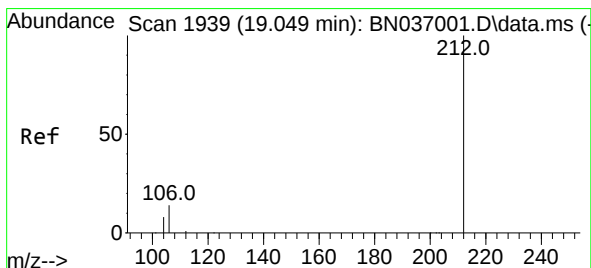
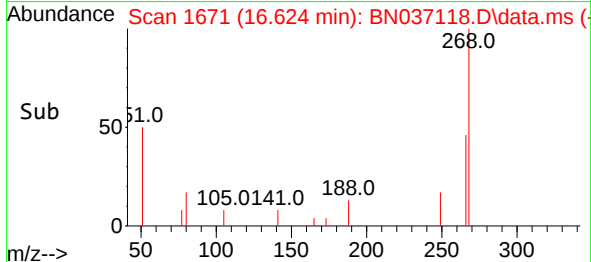
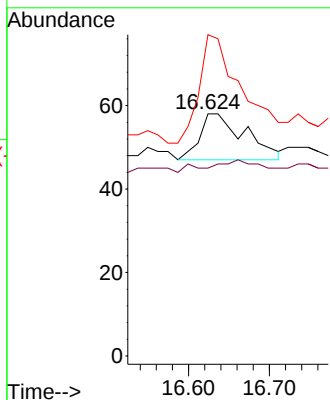
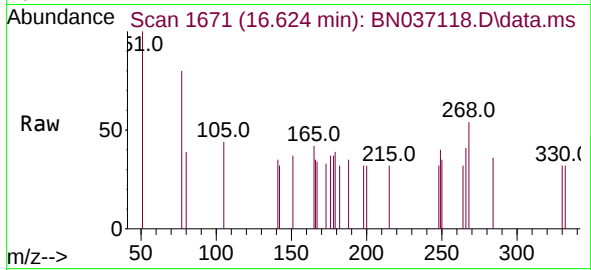




#24
Pentachlorophenol
Concen: 0.027 ng
RT: 16.624 min Scan# 1671
Delta R.T. -0.049 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

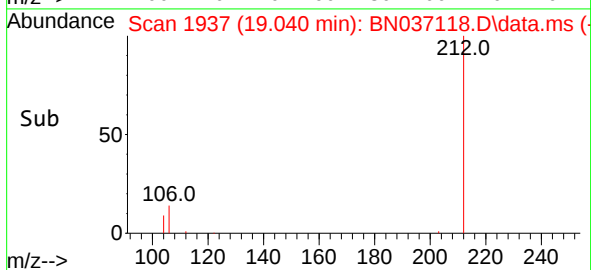
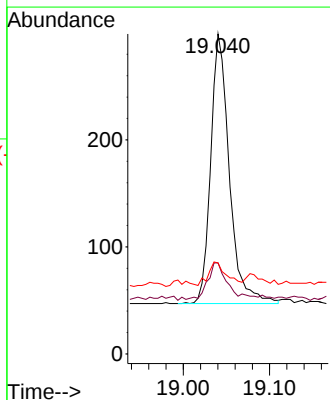
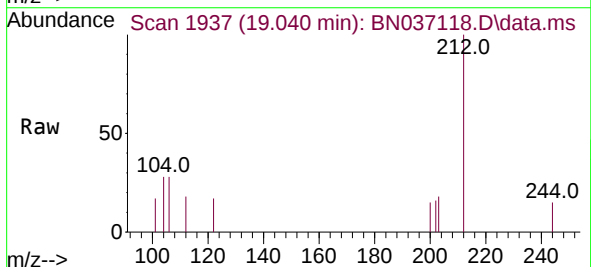
Instrument :
BNA_N
ClientSampleId :
VPB182-HYD-20250516

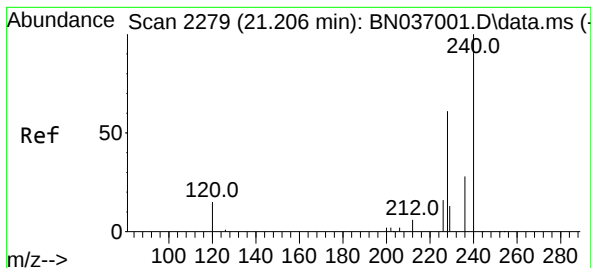
Tgt Ion:266 Resp: 43
Ion Ratio Lower Upper
266 100
264 0.0 47.9 71.9#
268 232.6 50.0 75.0#



#27
Fluoranthene-d10
Concen: 0.032 ng
RT: 19.040 min Scan# 1937
Delta R.T. -0.009 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

Tgt Ion:212 Resp: 379
Ion Ratio Lower Upper
212 100
106 14.2 11.3 16.9
104 8.2 6.7 10.1





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.198 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037118.D

Acq: 28 May 2025 20:47

Instrument :

BNA_N

ClientSampleId :

VPB182-HYD-20250516

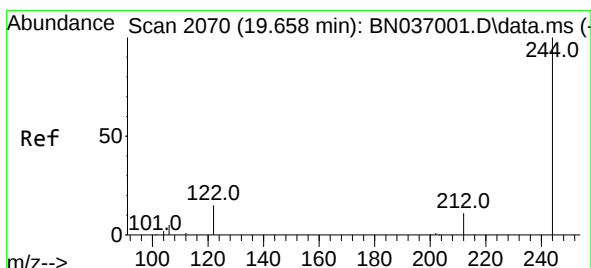
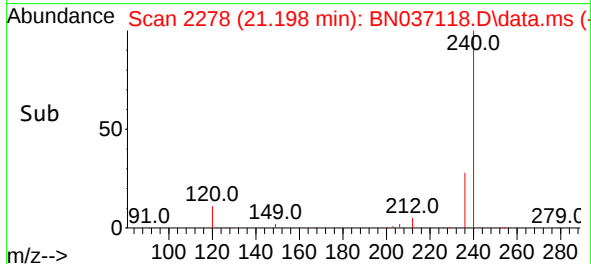
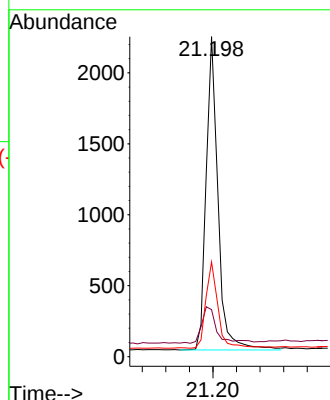
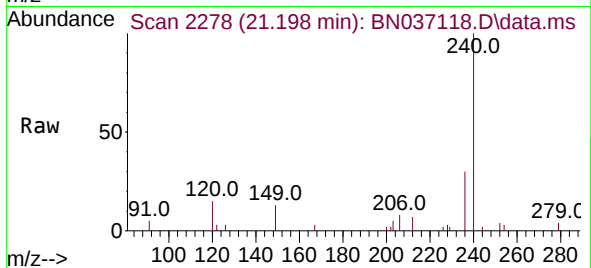
Tgt Ion:240 Resp: 3086

Ion Ratio Lower Upper

240 100

120 14.7 15.1 22.7#

236 29.6 24.0 36.0



#31

Terphenyl-d14

Concen: 0.458 ng

RT: 19.644 min Scan# 2067

Delta R.T. -0.014 min

Lab File: BN037118.D

Acq: 28 May 2025 20:47

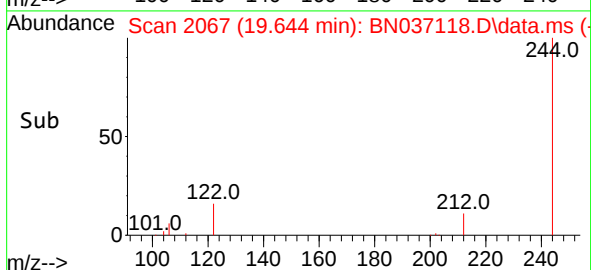
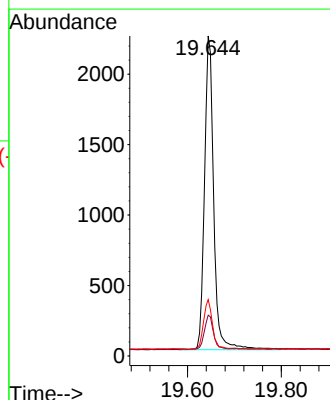
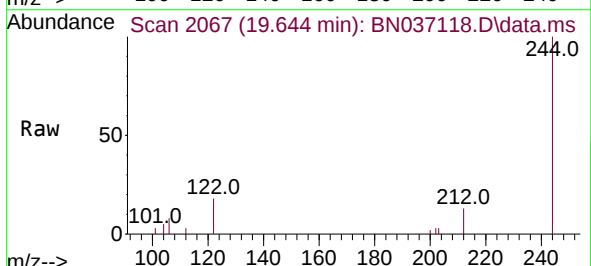
Tgt Ion:244 Resp: 3020

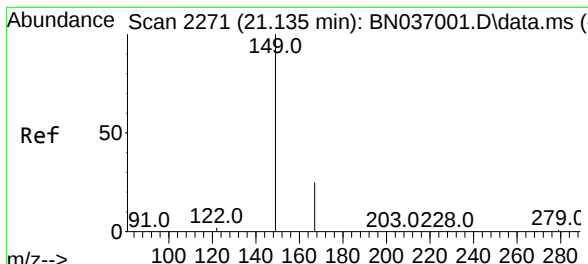
Ion Ratio Lower Upper

244 100

212 12.8 9.7 14.5

122 17.6 13.4 20.0

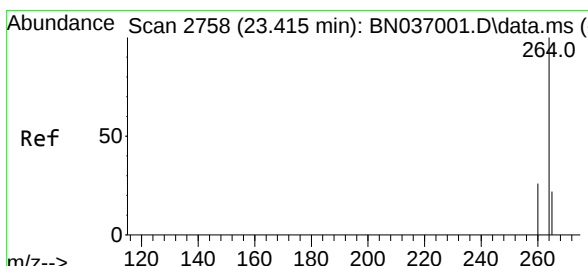
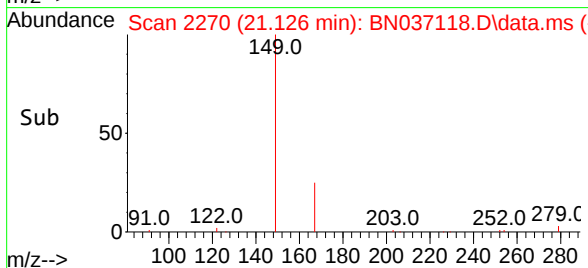
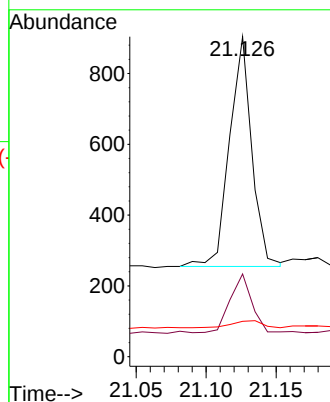
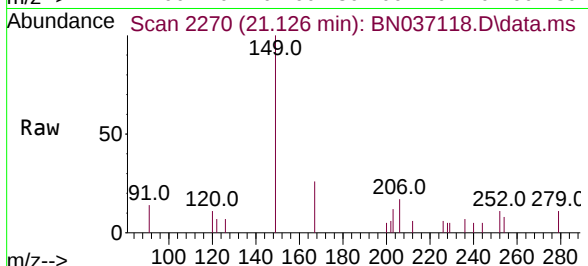




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.100 ng
RT: 21.126 min Scan# 2118
Delta R.T. -0.009 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

Instrument :
BNA_N
ClientSampleId :
VPB182-HYD-20250516

Tgt Ion:149 Resp: 718
Ion Ratio Lower Upper
149 100
167 26.9 20.6 30.8
279 4.0 2.6 3.8#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.398 min Scan# 2752
Delta R.T. -0.017 min
Lab File: BN037118.D
Acq: 28 May 2025 20:47

Tgt Ion:264 Resp: 2551
Ion Ratio Lower Upper
264 100
260 27.3 21.9 32.9
265 78.9 51.6 77.4#

