

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102025\
 Data File : BN038108.D
 Acq On : 20 Oct 2025 21:34
 Operator : RC/JU
 Sample : Q3371-06
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VPB184-HYD-20251016

Quant Time: Oct 21 02:19:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 11:00:01 2025
 Response via : Initial Calibration

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

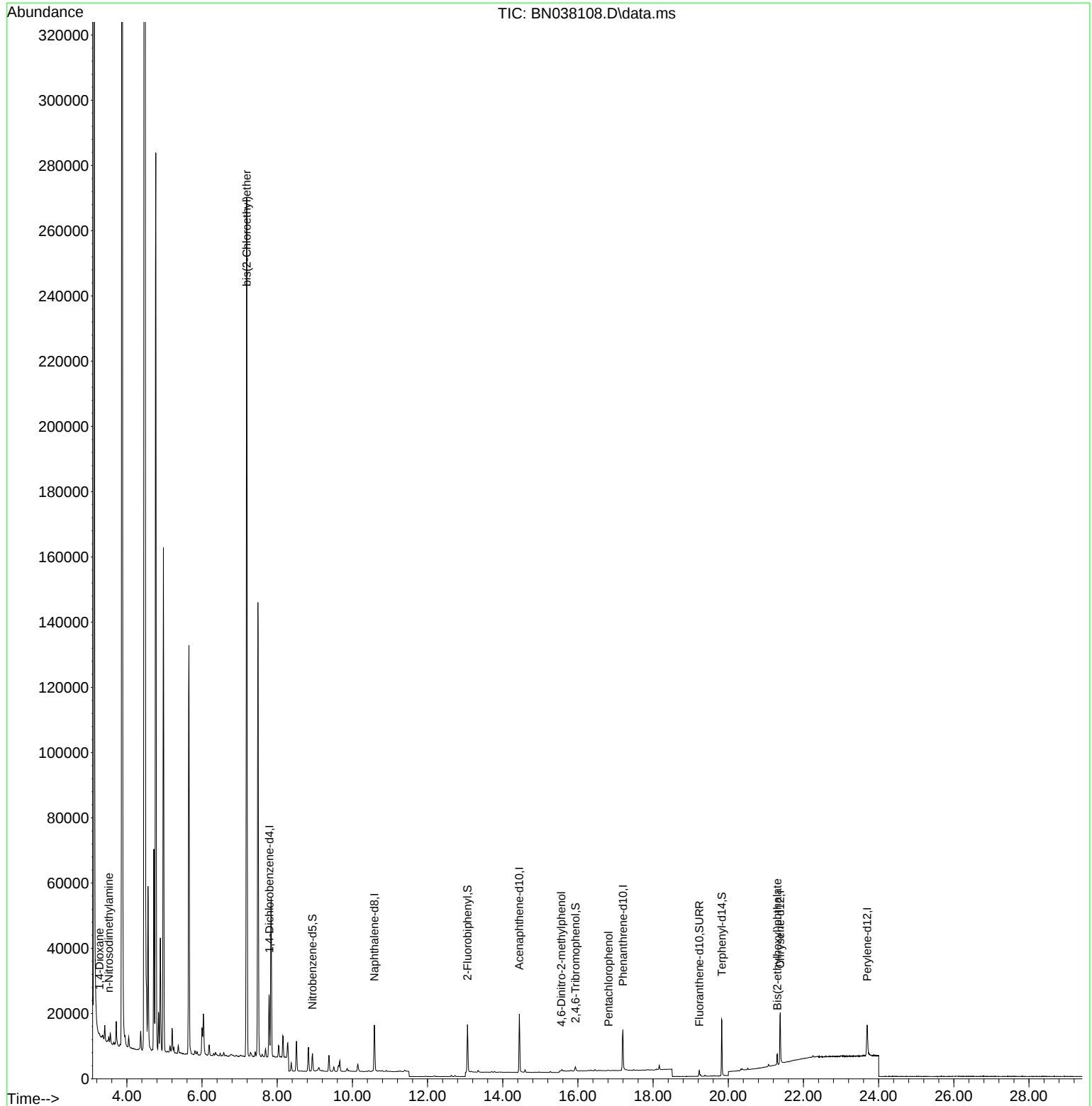
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	7491	0.400	ng	-0.04
7) Naphthalene-d8	10.584	136	19826	0.400	ng	#-0.04
13) Acenaphthene-d10	14.441	164	10193	0.400	ng	-0.03
19) Phenanthrene-d10	17.198	188	19643	0.400	ng	-0.02
29) Chrysene-d12	21.384	240	16604	0.400	ng	-0.02
35) Perylene-d12	23.692	264	14840	0.400	ng	#-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	5.355	112	13	0.001	ng	-0.03
5) Phenol-d6	6.944	99	24	0.001	ng	-0.03
8) Nitrobenzene-d5	8.939	82	4685	0.310	ng	-0.03
11) 2-Methylnaphthalene-d10	12.182	152	375	0.014	ng	-0.04
14) 2,4,6-Tribromophenol	15.932	330	697	0.180	ng	-0.04
15) 2-Fluorobiphenyl	13.062	172	13228	0.317	ng	-0.03
27) Fluoranthene-d10	19.229	212	2137	0.043	ng	-0.02
31) Terphenyl-d14	19.829	244	17304	0.523	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.268	88	648	0.085	ng	# 65
3) n-Nitrosodimethylamine	3.521	42	1697	0.168	ng	# 6
6) bis(2-Chloroethyl)ether	7.190	93	169353	8.122	ng	# 44
20) 4,6-Dinitro-2-methylph...	15.560	198	11	0.072	ng	# 1
24) Pentachlorophenol	16.813	266	120	0.023	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.304	149	3417	0.149	ng	# 99

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

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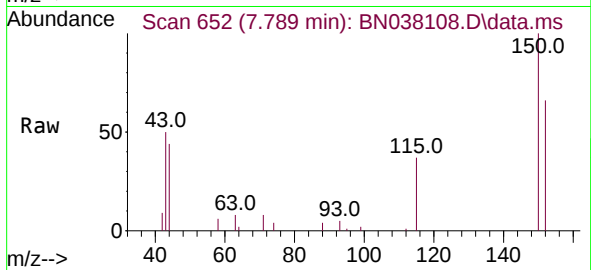
Quant Time: Oct 21 02:19:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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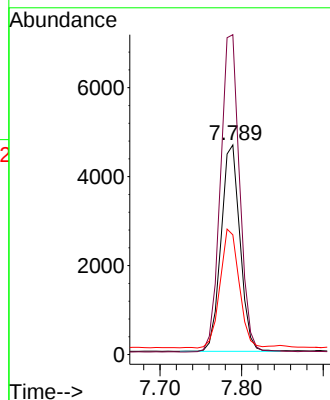
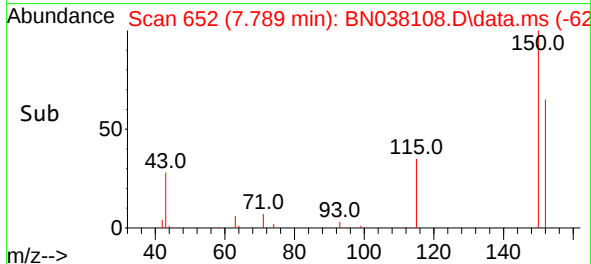


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.789 min Scan# 61
 Delta R.T. -0.036 min
 Lab File: BN038108.D
 Acq: 20 Oct 2025 21:34

Instrument :
 BNA_N
 ClientSampleId :
 VPB184-HYD-20251016

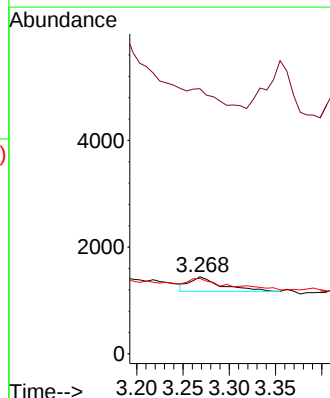
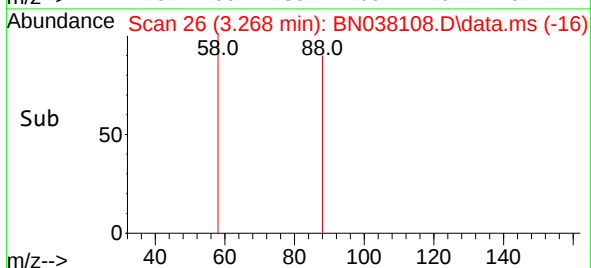
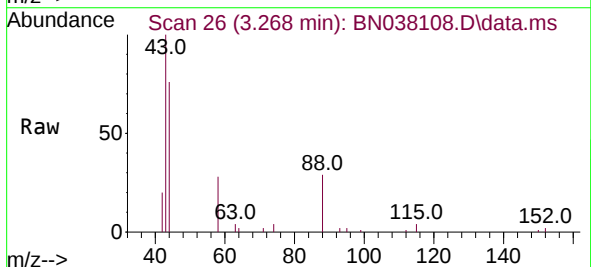


Tgt Ion:152 Resp: 7491
 Ion Ratio Lower Upper
 152 100
 150 152.6 121.0 181.4
 115 57.1 47.4 71.0



#2
 1,4-Dioxane
 Concen: 0.085 ng
 RT: 3.268 min Scan# 26
 Delta R.T. -0.029 min
 Lab File: BN038108.D
 Acq: 20 Oct 2025 21:34

Tgt Ion: 88 Resp: 648
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 39.8#
 58 94.0 58.9 88.3#

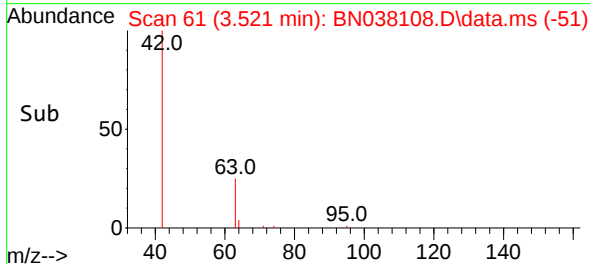
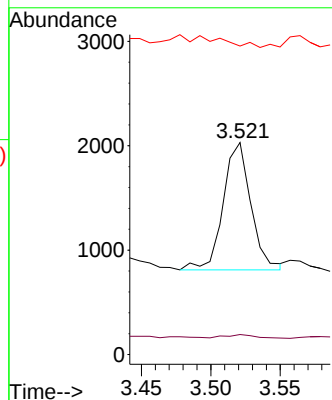
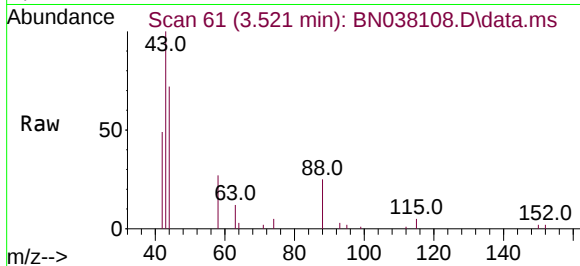




#3
n-Nitrosodimethylamine
Concen: 0.168 ng
RT: 3.521 min Scan# 61
Delta R.T. -0.080 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

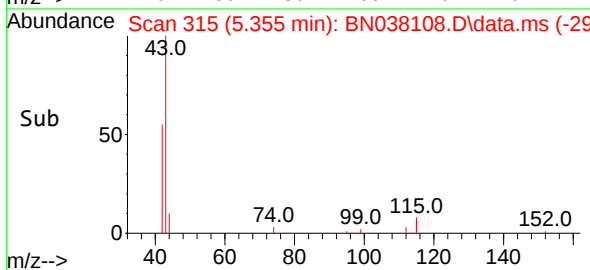
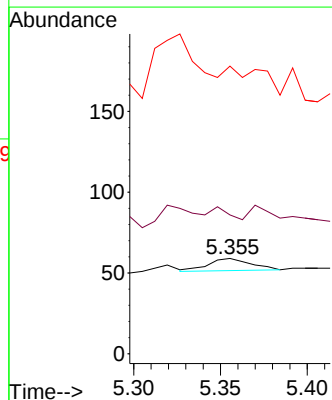
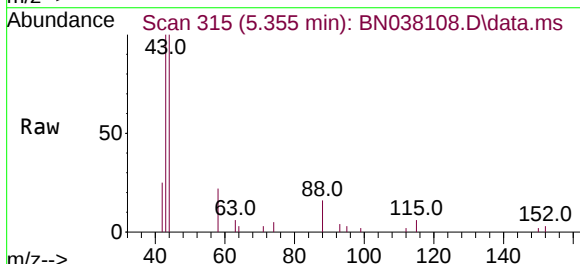
Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion: 42 Resp: 1697
Ion Ratio Lower Upper
42 100
74 3.2 93.4 140.0#
44 0.0 22.2 33.4#



#4
2-Fluorophenol
Concen: 0.001 ng
RT: 5.355 min Scan# 315
Delta R.T. -0.029 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion: 112 Resp: 13
Ion Ratio Lower Upper
112 100
64 100.0 44.6 66.8#
63 0.0 24.9 37.3#

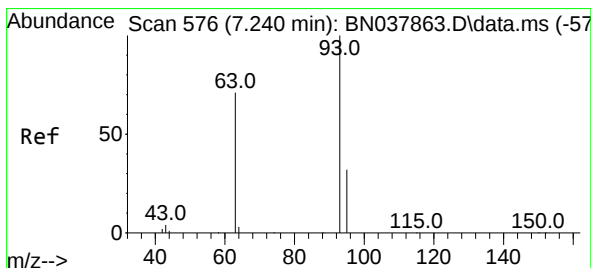
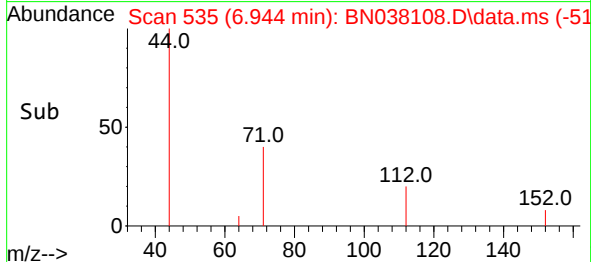
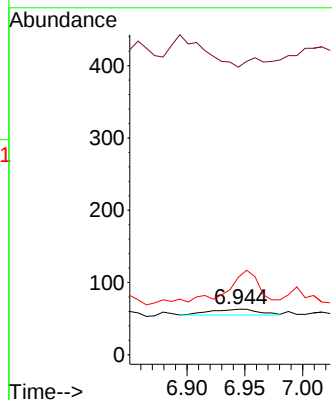
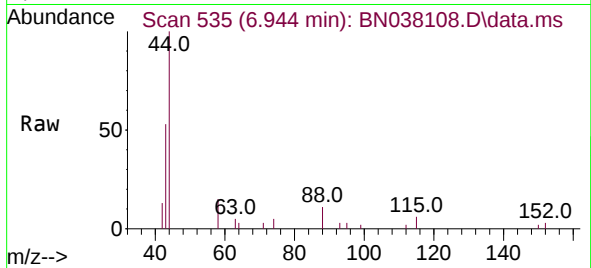




#5
Phenol-d6
Concen: 0.001 ng
RT: 6.944 min Scan# 531
Delta R.T. -0.029 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

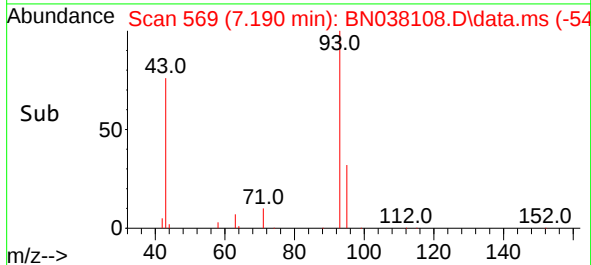
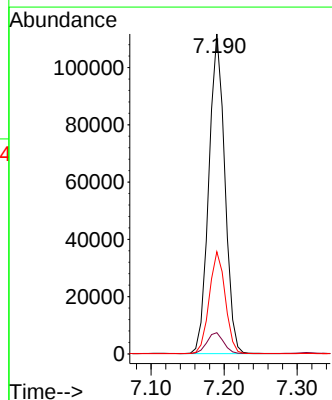
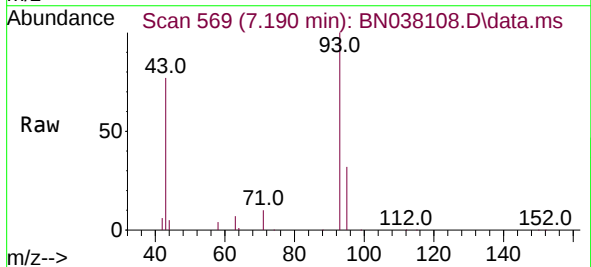
Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

Tgt Ion: 99 Resp: 24
Ion Ratio Lower Upper
99 100
42 0.0 17.2 25.8#
71 433.3 27.3 40.9#



#6
bis(2-Chloroethyl)ether
Concen: 8.122 ng
RT: 7.190 min Scan# 569
Delta R.T. -0.051 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion: 93 Resp: 169353
Ion Ratio Lower Upper
93 100
63 6.7 60.1 90.1#
95 31.9 25.4 38.2

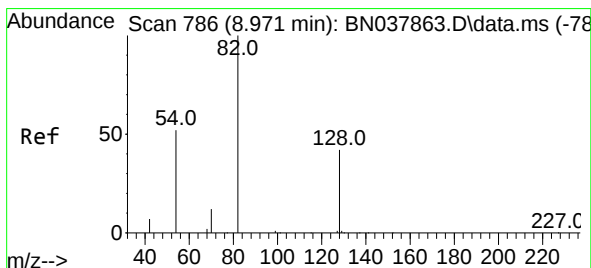
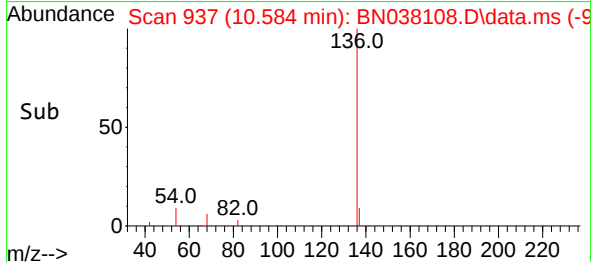
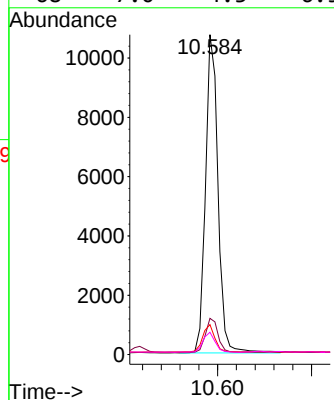
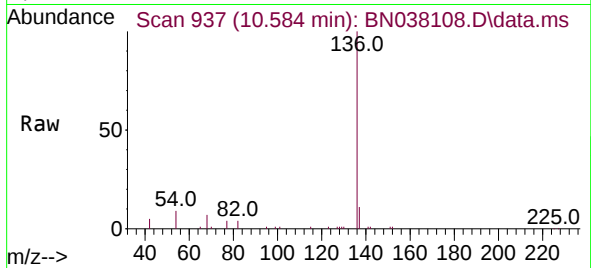




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 941
Delta R.T. -0.043 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

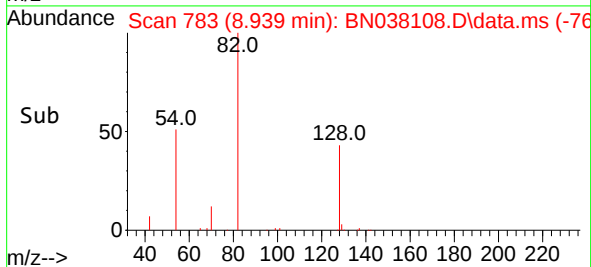
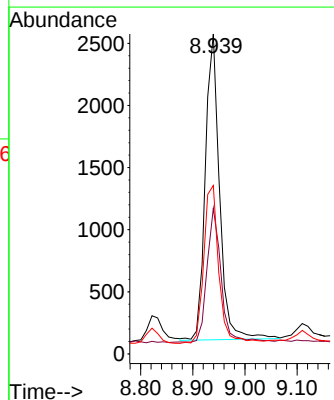
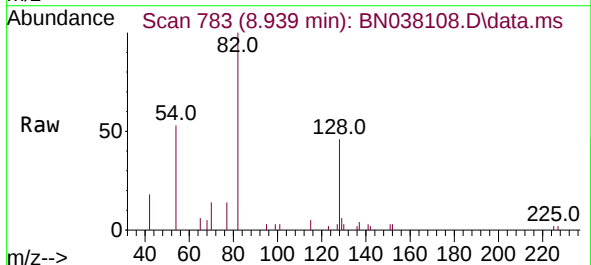
Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

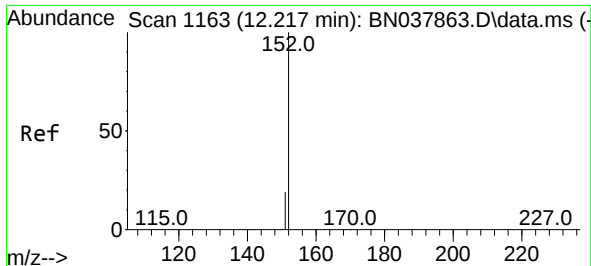
Tgt Ion:136	Resp:	19826
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.4
54	9.4	5.8 8.8#
68	7.0	4.3 6.5#



#8
Nitrobenzene-d5
Concen: 0.310 ng
RT: 8.939 min Scan# 783
Delta R.T. -0.032 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion: 82	Resp:	4685
Ion Ratio	Lower	Upper
82	100	
128	45.5	34.8 52.2
54	52.6	42.2 63.2

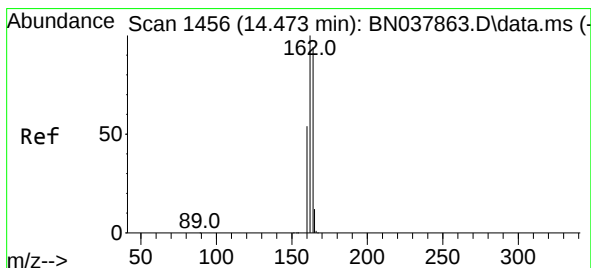
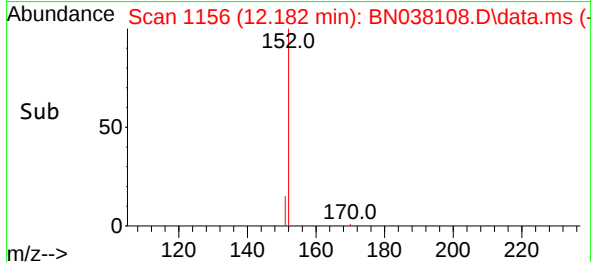
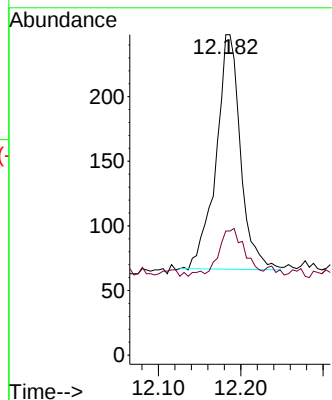
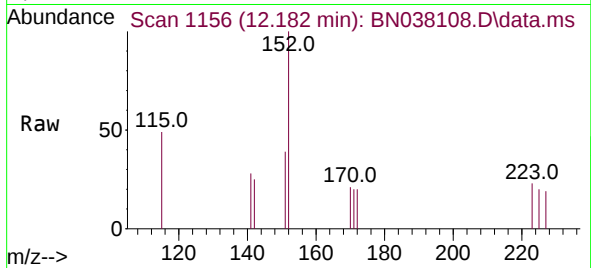




#11
2-Methylnaphthalene-d10
Concen: 0.014 ng
RT: 12.182 min Scan# 1163
Delta R.T. -0.036 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

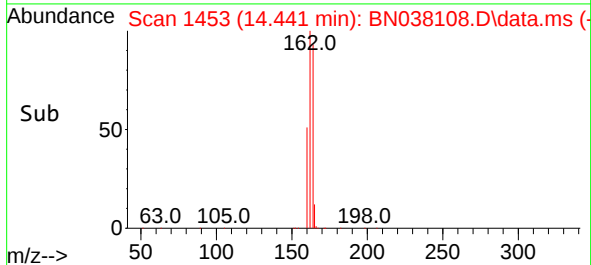
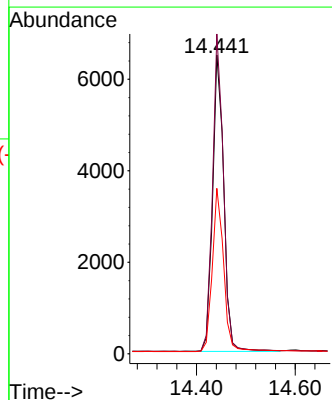
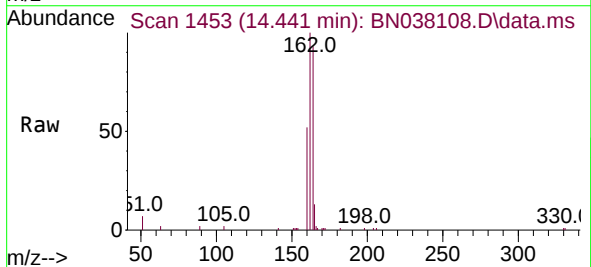
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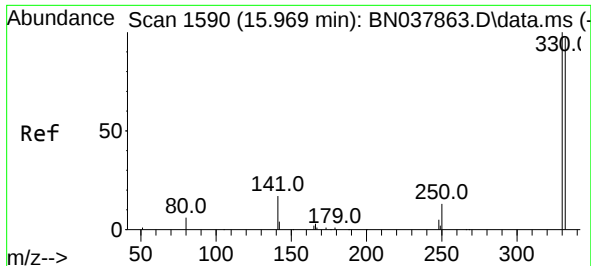
Tgt Ion:152 Resp: 375
Ion Ratio Lower Upper
152 100
151 22.9 17.4 26.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.032 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:164 Resp: 10193
Ion Ratio Lower Upper
164 100
162 107.1 84.8 127.2
160 55.4 46.1 69.1

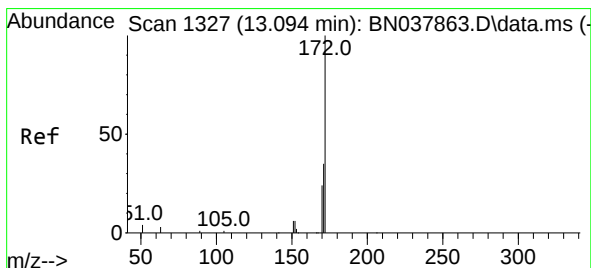
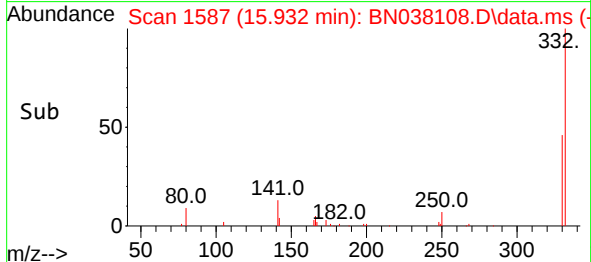
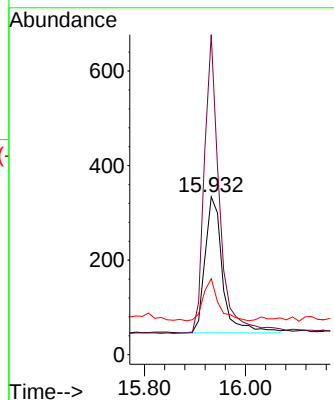
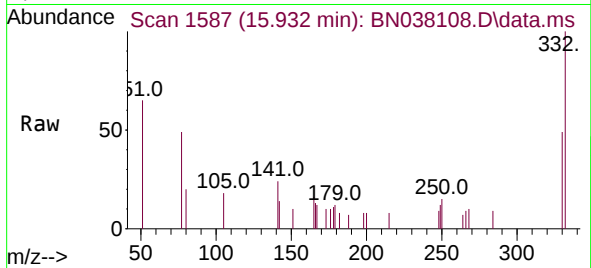




#14
2,4,6-Tribromophenol
Concen: 0.180 ng
RT: 15.932 min Scan# 1587
Delta R.T. -0.037 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

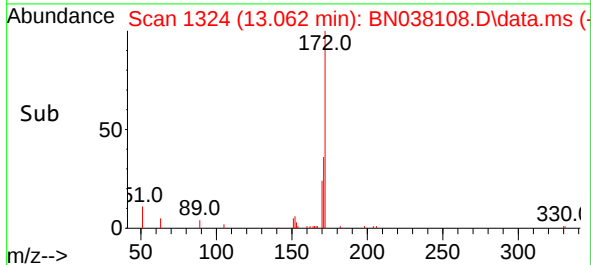
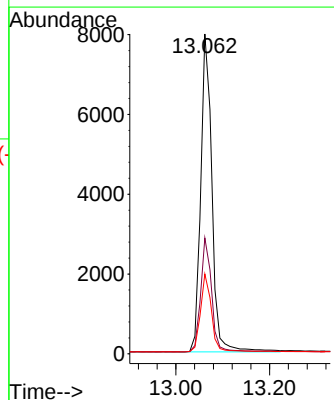
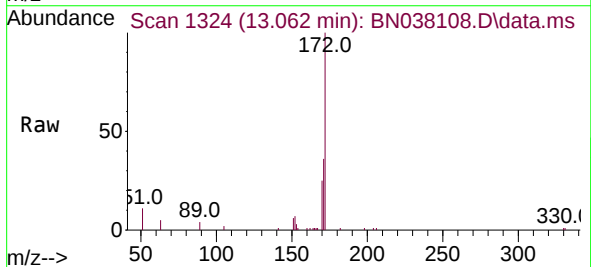
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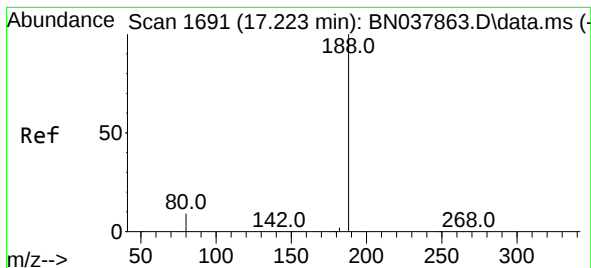
Tgt Ion:330 Resp: 697
Ion Ratio Lower Upper
330 100
332 190.2 77.2 115.8#
141 26.1 37.2 55.8#



#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 13.062 min Scan# 1324
Delta R.T. -0.032 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:172 Resp: 13228
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 25.0 19.7 29.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.198 min Scan# 1691

Delta R.T. -0.025 min

Lab File: BN038108.D

Acq: 20 Oct 2025 21:34

Instrument :

BNA_N

ClientSampleId :

VPB184-HYD-20251016

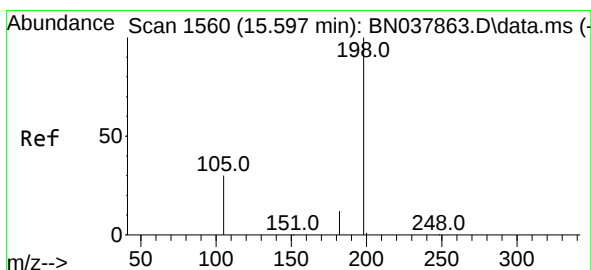
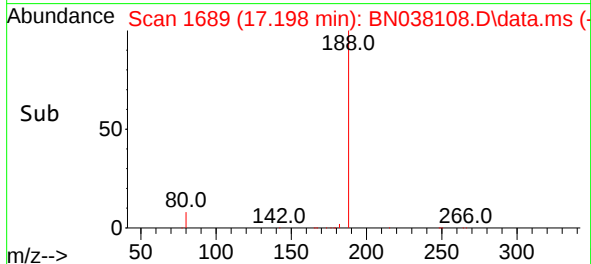
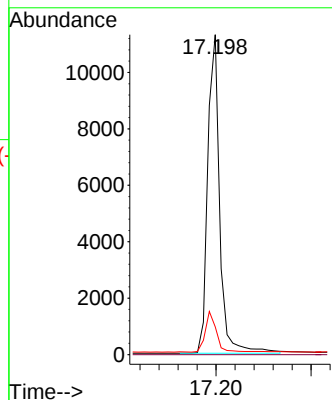
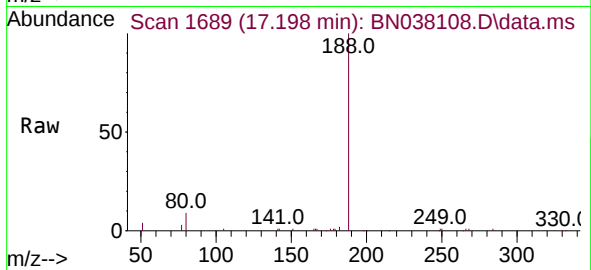
Tgt Ion:188 Resp: 19643

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 8.7 7.6 11.4



#20

4,6-Dinitro-2-methylphenol

Concen: 0.072 ng

RT: 15.560 min Scan# 1557

Delta R.T. -0.037 min

Lab File: BN038108.D

Acq: 20 Oct 2025 21:34

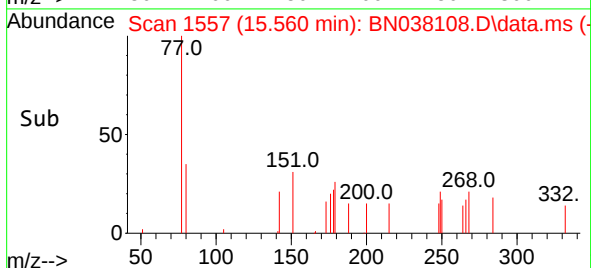
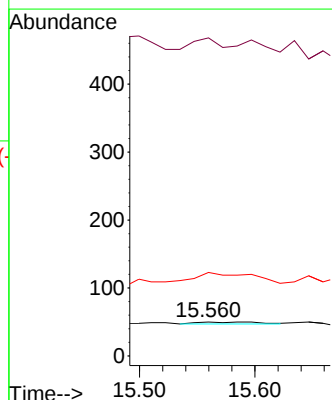
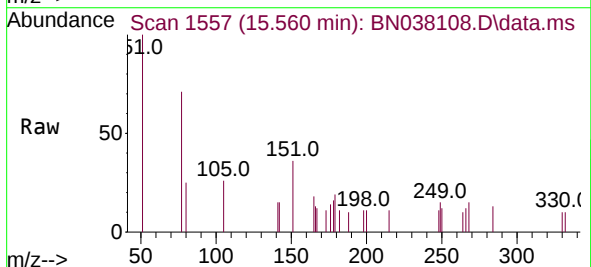
Tgt Ion:198 Resp: 11

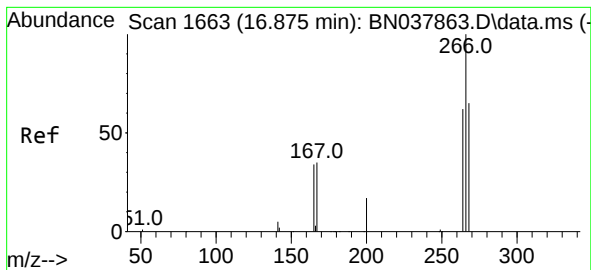
Ion Ratio Lower Upper

198 100

51 936.0 59.1 88.7#

105 246.0 41.3 61.9#





#24

Pentachlorophenol

Concen: 0.023 ng

RT: 16.813 min Scan# 1658

Delta R.T. -0.062 min

Lab File: BN038108.D

Acq: 20 Oct 2025 21:34

Instrument :

BNA_N

ClientSampleId :

VPB184-HYD-20251016

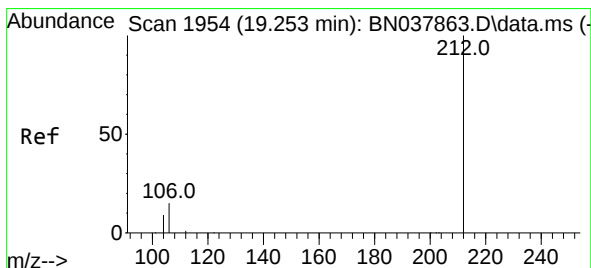
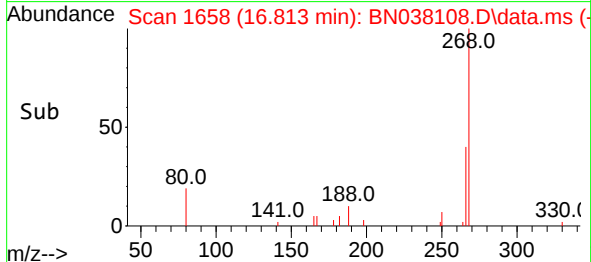
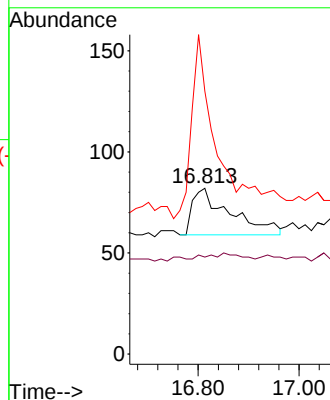
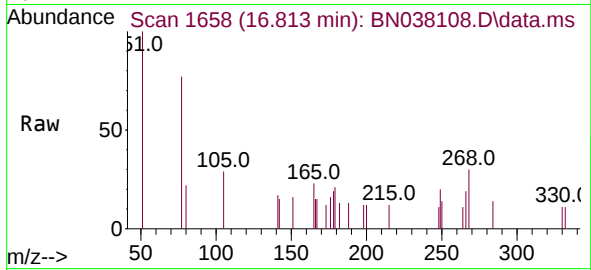
Tgt Ion:266 Resp: 120

Ion Ratio Lower Upper

266 100

264 0.0 50.9 76.3#

268 296.7 54.3 81.5#



#27

Fluoranthene-d10

Concen: 0.043 ng

RT: 19.229 min Scan# 1949

Delta R.T. -0.023 min

Lab File: BN038108.D

Acq: 20 Oct 2025 21:34

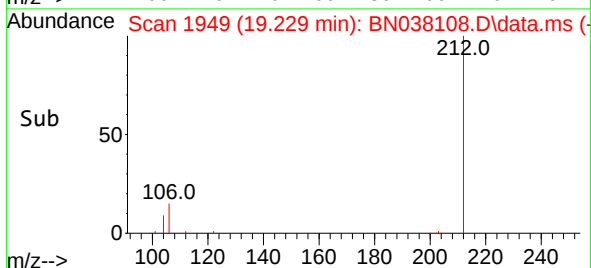
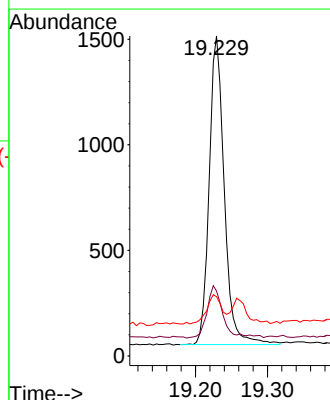
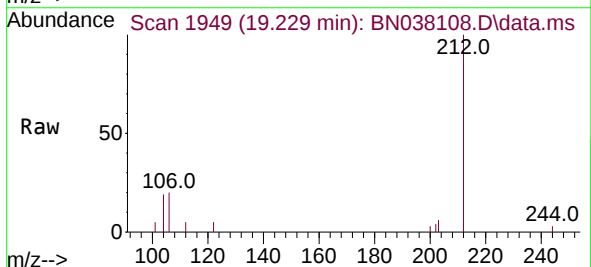
Tgt Ion:212 Resp: 2137

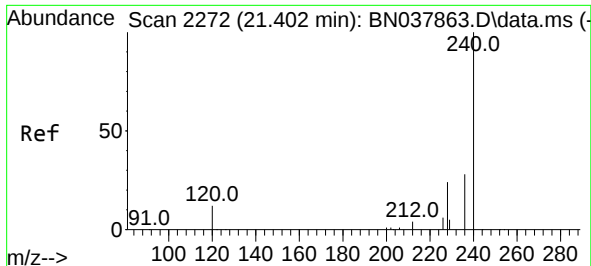
Ion Ratio Lower Upper

212 100

106 17.3 12.6 19.0

104 9.3 7.4 11.0

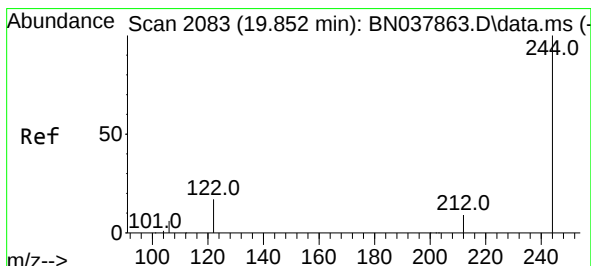
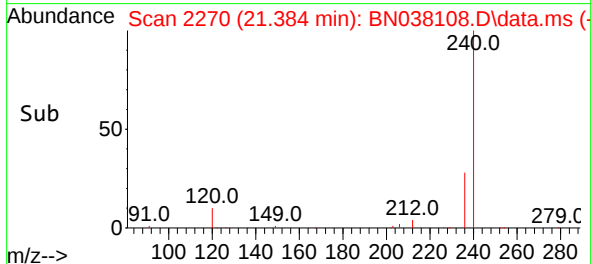
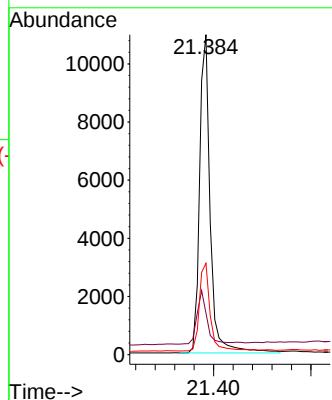
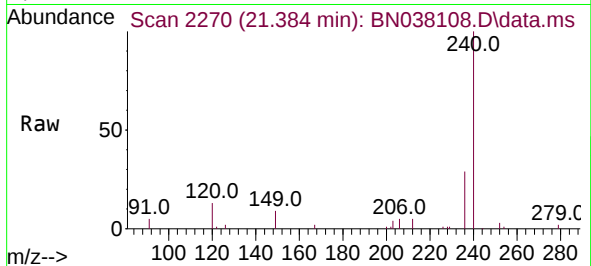




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 21
Delta R.T. -0.018 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

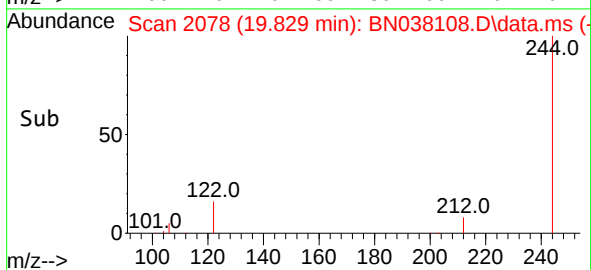
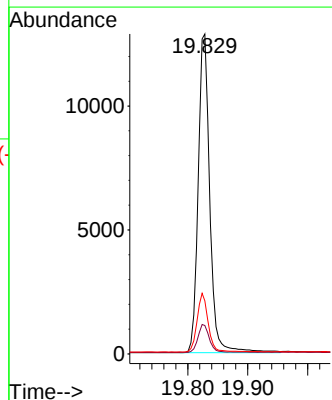
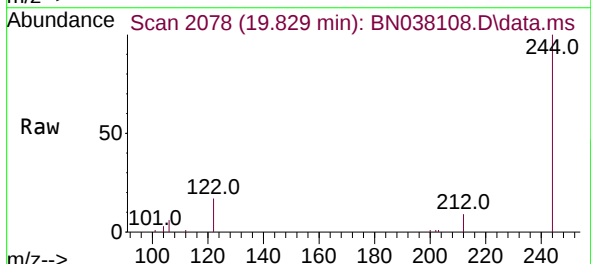
Instrument :
BNA_N
ClientSampleId :
VPB184-HYD-20251016

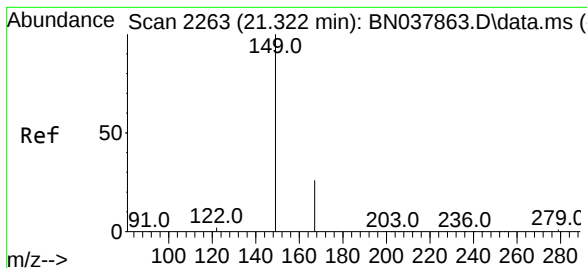
Tgt Ion:240 Resp: 16604
Ion Ratio Lower Upper
240 100
120 13.0 11.4 17.2
236 28.6 23.0 34.6



#31
Terphenyl-d14
Concen: 0.523 ng
RT: 19.829 min Scan# 2078
Delta R.T. -0.023 min
Lab File: BN038108.D
Acq: 20 Oct 2025 21:34

Tgt Ion:244 Resp: 17304
Ion Ratio Lower Upper
244 100
212 8.9 7.6 11.4
122 16.6 13.9 20.9

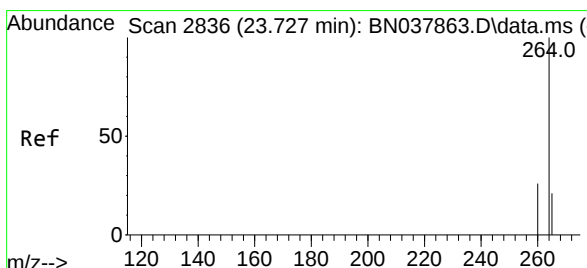
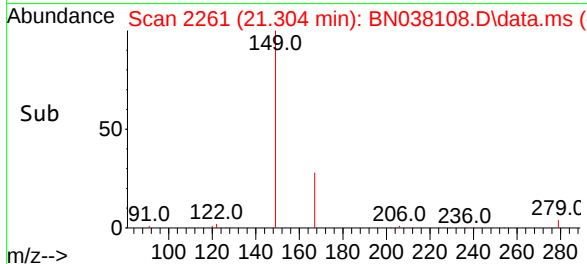
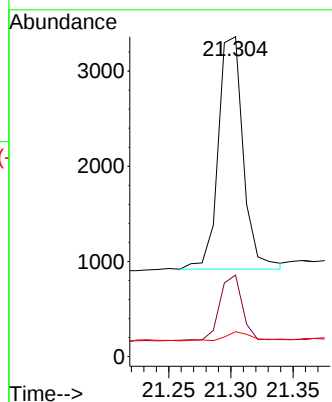
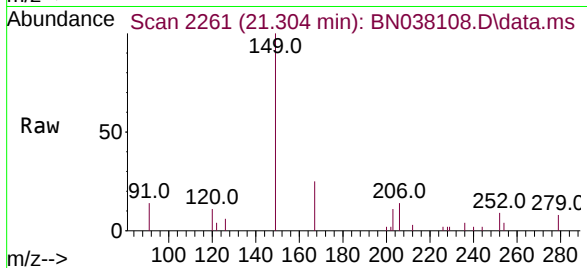




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.149 ng
 RT: 21.304 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BN038108.D
 Acq: 20 Oct 2025 21:34

Instrument :
 BNA_N
 ClientSampleId :
 VPB184-HYD-20251016

Tgt Ion:149 Resp: 3417
 Ion Ratio Lower Upper
 149 100
 167 25.7 20.4 30.6
 279 4.0 2.4 3.6#



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.692 min Scan# 2824
 Delta R.T. -0.035 min
 Lab File: BN038108.D
 Acq: 20 Oct 2025 21:34

Tgt Ion:264 Resp: 14840
 Ion Ratio Lower Upper
 264 100
 260 26.5 21.5 32.3
 265 89.8 53.8 80.6#

