

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100725\
 Data File : BN038055.D
 Acq On : 07 Oct 2025 20:33
 Operator : RC/JU
 Sample : Q3246-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-GW-500-502

Quant Time: Oct 08 01:48:20 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)

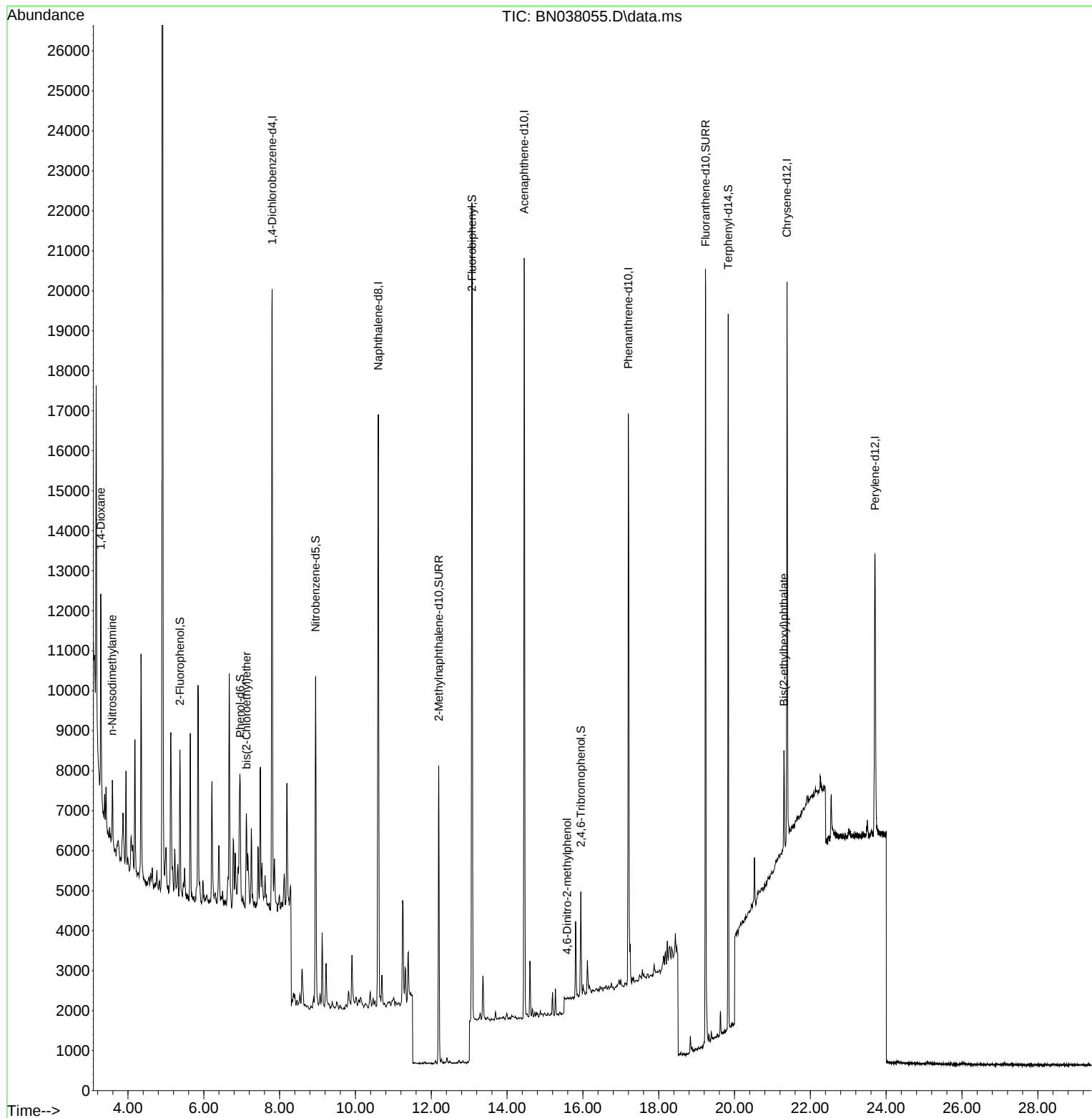
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	6952	0.400	ng	-0.02
7) Naphthalene-d8	10.605	136	19988	0.400	ng	-0.02
13) Acenaphthene-d10	14.452	164	10502	0.400	ng	-0.02
19) Phenanthrene-d10	17.198	188	19983	0.400	ng	#-0.02
29) Chrysene-d12	21.384	240	11986	0.400	ng	#-0.02
35) Perylene-d12	23.703	264	10008	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	2693	0.170	ng	-0.01
5) Phenol-d6	6.959	99	2262	0.109	ng	-0.01
8) Nitrobenzene-d5	8.950	82	6218	0.408	ng	-0.02
11) 2-Methylnaphthalene-d10	12.197	152	9718	0.350	ng	-0.02
14) 2,4,6-Tribromophenol	15.944	330	1409	0.354	ng	-0.02
15) 2-Fluorobiphenyl	13.073	172	17907	0.416	ng	-0.02
27) Fluoranthene-d10	19.239	212	20348	0.405	ng	-0.01
31) Terphenyl-d14	19.833	244	16160	0.677	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.283	88	3045	0.431	ng	# 84
3) n-Nitrosodimethylamine	3.586	42	273	0.029	ng	# 12
6) bis(2-Chloroethyl)ether	7.125	93	3552	0.184	ng	# 27
20) 4,6-Dinitro-2-methylph...	15.585	198	2	0.068	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.304	149	2467	0.149	ng	# 97

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

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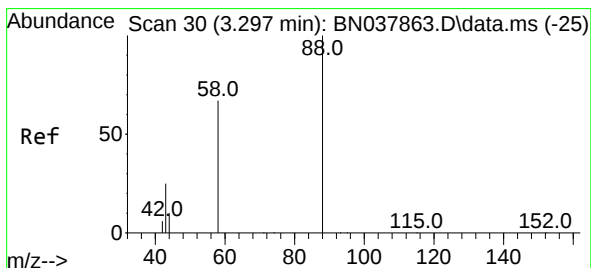
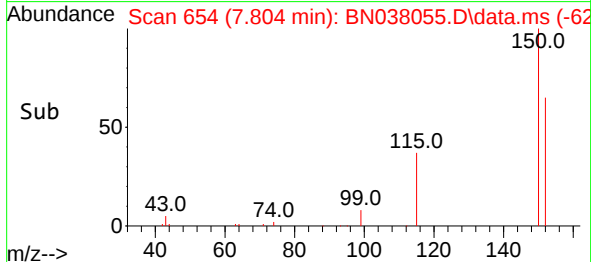
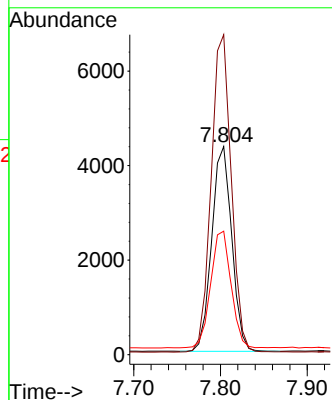
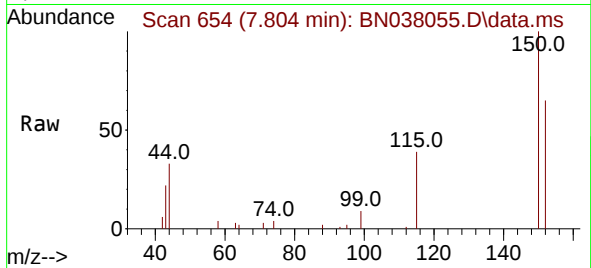




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.021 min
 Lab File: BN038055.D
 Acq: 07 Oct 2025 20:33

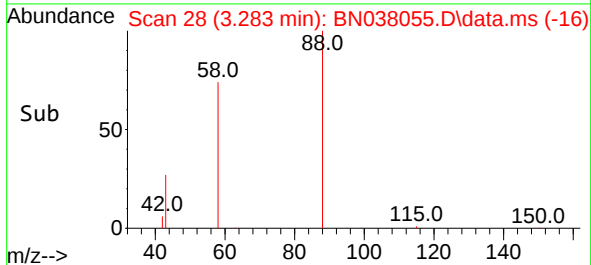
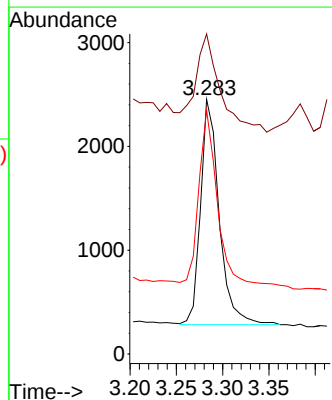
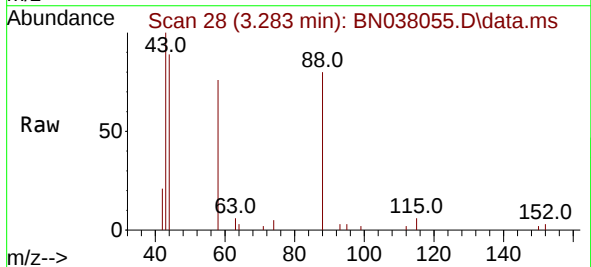
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-GW-500-502

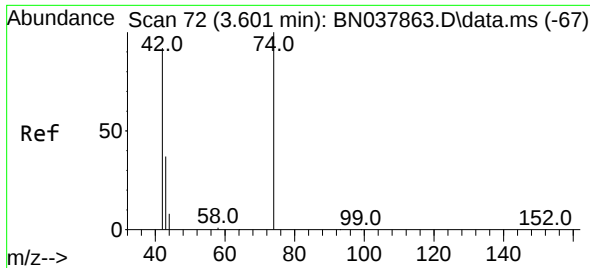
Tgt Ion:152 Resp: 6952
 Ion Ratio Lower Upper
 152 100
 150 153.7 121.0 181.4
 115 59.3 47.4 71.0



#2
 1,4-Dioxane
 Concen: 0.431 ng
 RT: 3.283 min Scan# 28
 Delta R.T. -0.015 min
 Lab File: BN038055.D
 Acq: 07 Oct 2025 20:33

Tgt Ion: 88 Resp: 3045
 Ion Ratio Lower Upper
 88 100
 43 58.1 26.6 39.8#
 58 76.4 58.9 88.3

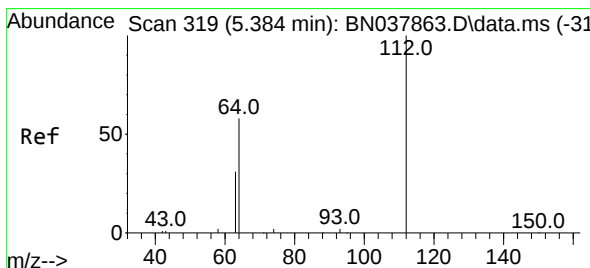
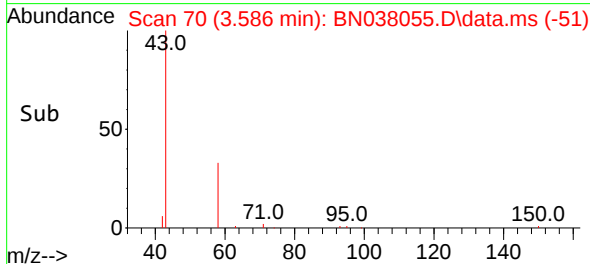
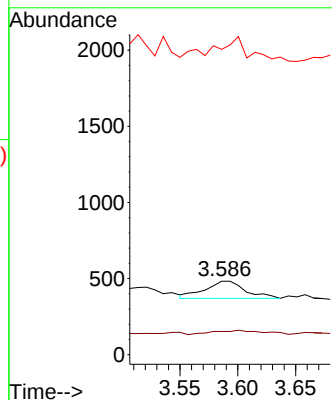
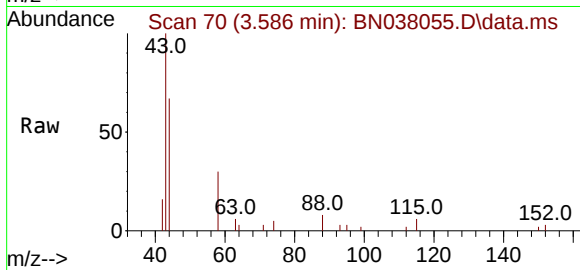




#3
 n-Nitrosodimethylamine
 Concen: 0.029 ng
 RT: 3.586 min Scan# 70
 Delta R.T. -0.015 min
 Lab File: BN038055.D
 Acq: 07 Oct 2025 20:33

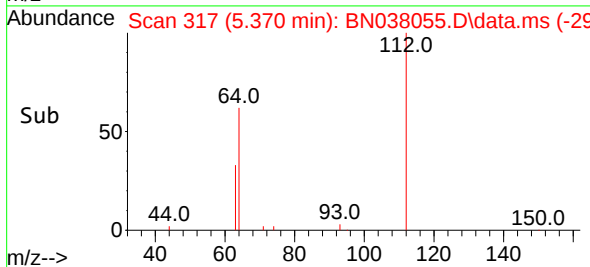
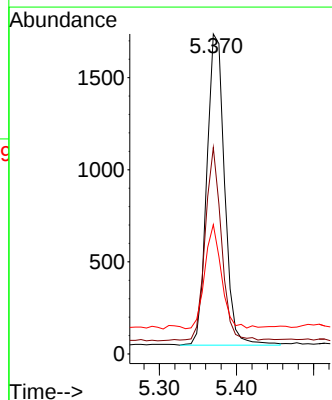
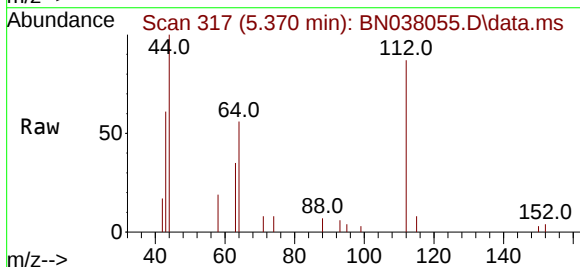
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 ClientSampleId :
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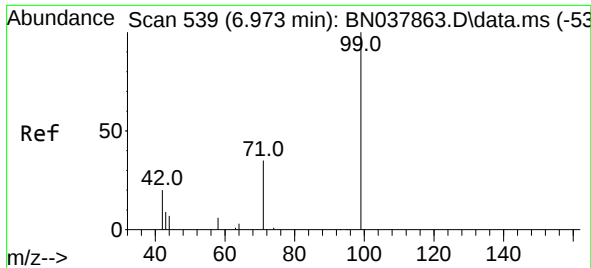
Tgt Ion: 42 Resp: 273
 Ion Ratio Lower Upper
 42 100
 74 32.6 93.4 140.0#
 44 98.5 22.2 33.4#



#4
 2-Fluorophenol
 Concen: 0.170 ng
 RT: 5.370 min Scan# 317
 Delta R.T. -0.014 min
 Lab File: BN038055.D
 Acq: 07 Oct 2025 20:33

Tgt Ion: 112 Resp: 2693
 Ion Ratio Lower Upper
 112 100
 64 57.4 44.6 66.8
 63 31.7 24.9 37.3

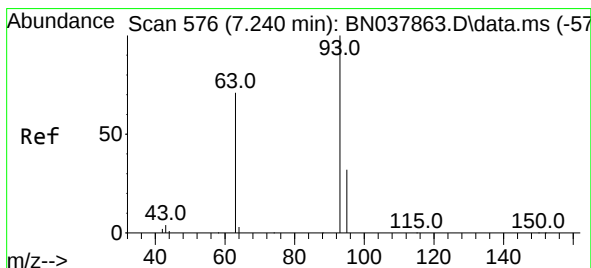
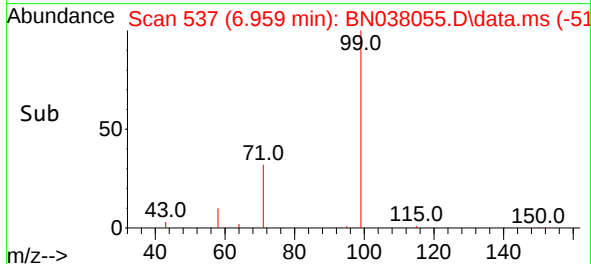
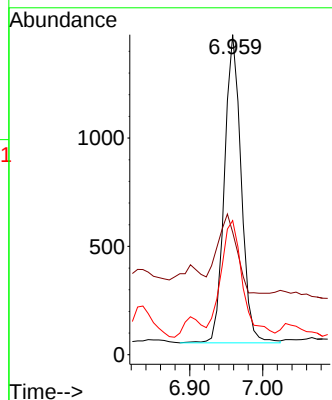
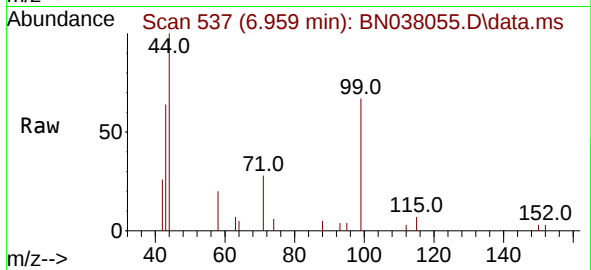




#5
Phenol-d6
Concen: 0.109 ng
RT: 6.959 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

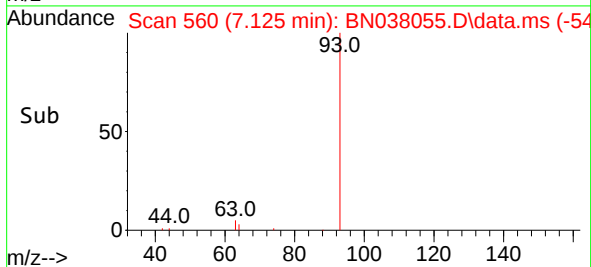
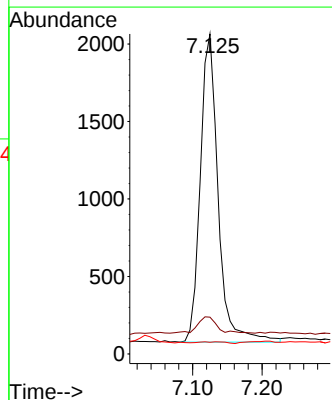
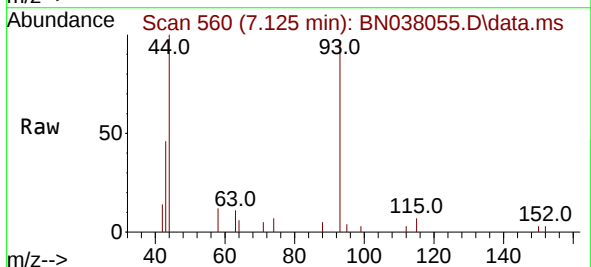
Instrument :
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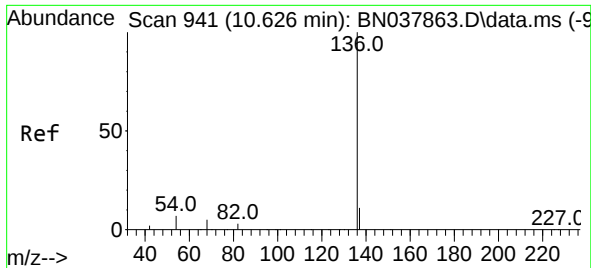
Tgt Ion: 99 Resp: 2262
Ion Ratio Lower Upper
99 100
42 29.6 17.2 25.8#
71 47.1 27.3 40.9#



#6
bis(2-Chloroethyl)ether
Concen: 0.184 ng
RT: 7.125 min Scan# 560
Delta R.T. -0.116 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

Tgt Ion: 93 Resp: 3552
Ion Ratio Lower Upper
93 100
63 6.8 60.1 90.1#
95 0.2 25.4 38.2#

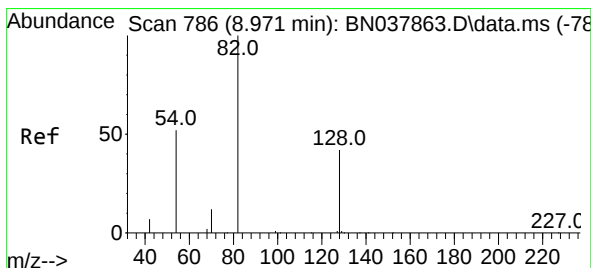
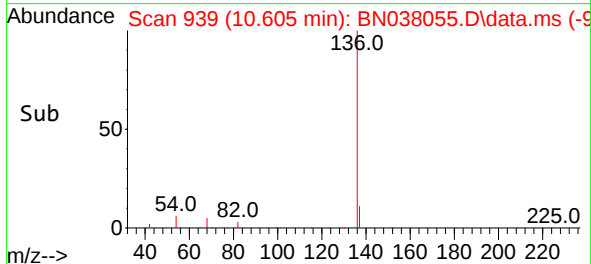
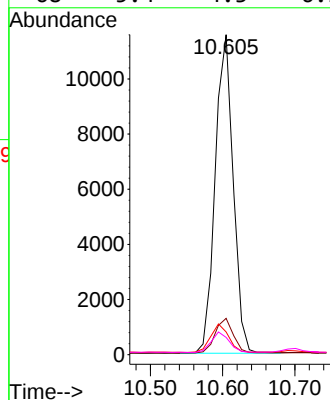
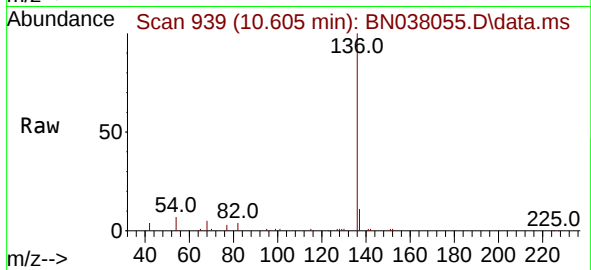




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

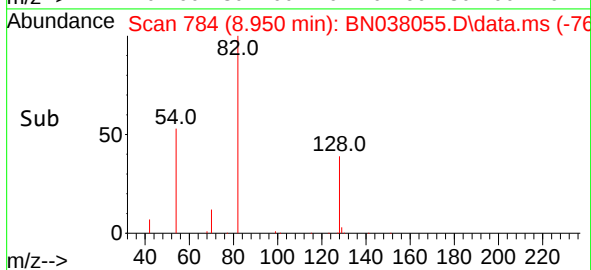
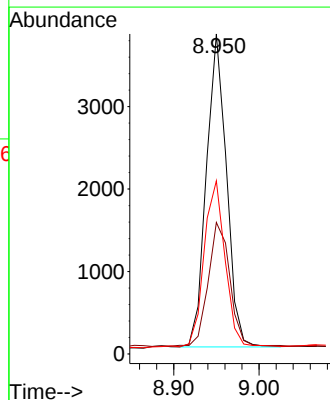
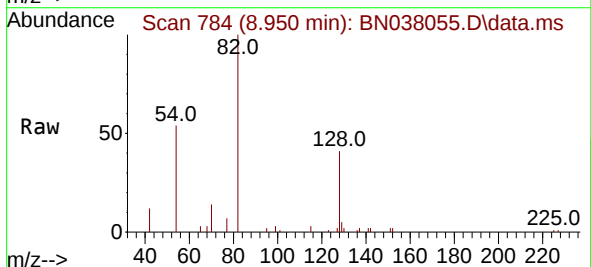
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-500-502

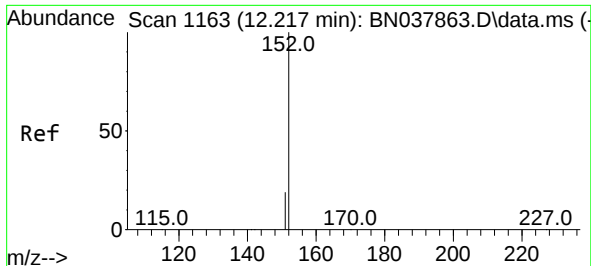
Tgt Ion:	136	Resp:	19988
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.1	5.8	8.8
68	5.4	4.3	6.5



#8
Nitrobenzene-d5
Concen: 0.408 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.021 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

Tgt Ion:	82	Resp:	6218
Ion Ratio	Lower	Upper	
82	100		
128	41.1	34.8	52.2
54	54.1	42.2	63.2

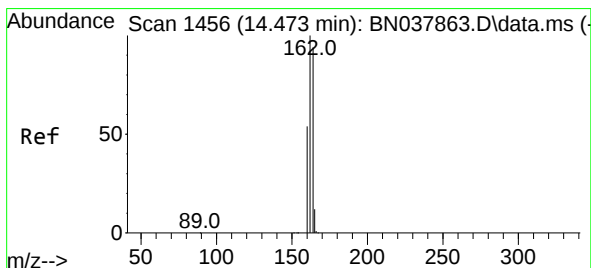
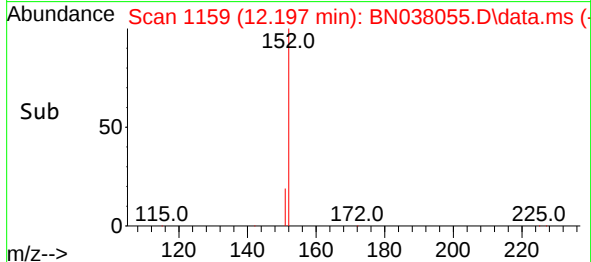
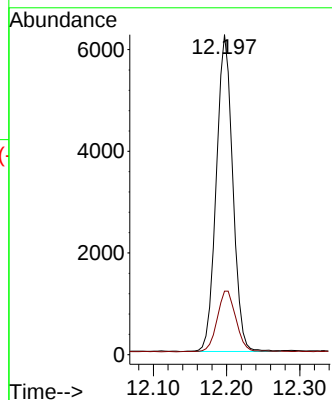
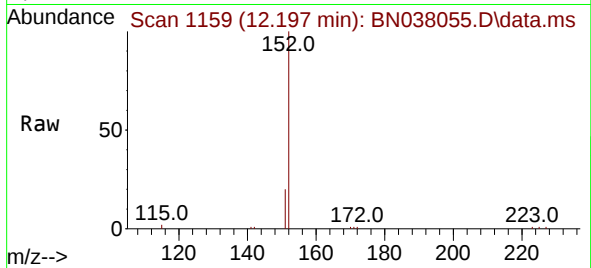




#11
2-Methylnaphthalene-d10
Concen: 0.350 ng
RT: 12.197 min Scan# 1163
Delta R.T. -0.020 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

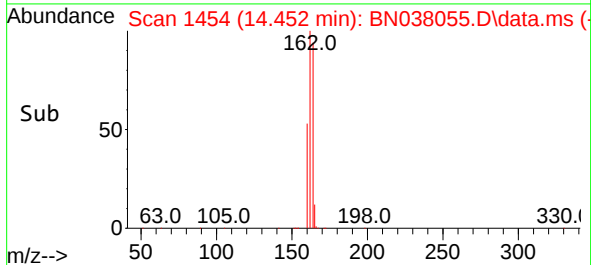
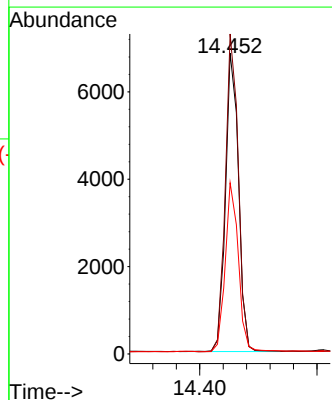
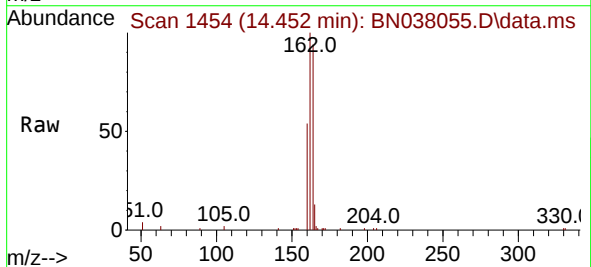
Instrument :
BNA_N
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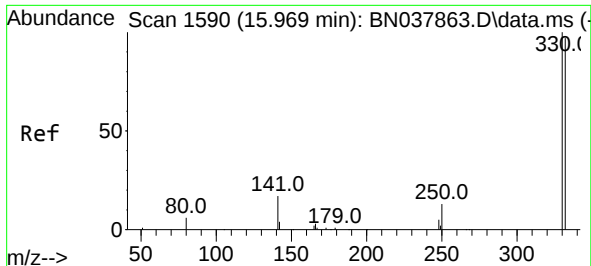
Tgt Ion:152 Resp: 9718
Ion Ratio Lower Upper
152 100
151 21.9 17.4 26.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.452 min Scan# 1454
Delta R.T. -0.021 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

Tgt Ion:164 Resp: 10502
Ion Ratio Lower Upper
164 100
162 106.4 84.8 127.2
160 56.9 46.1 69.1

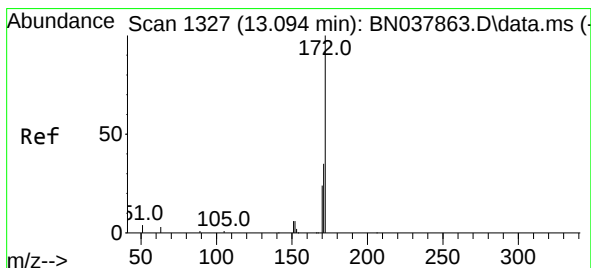
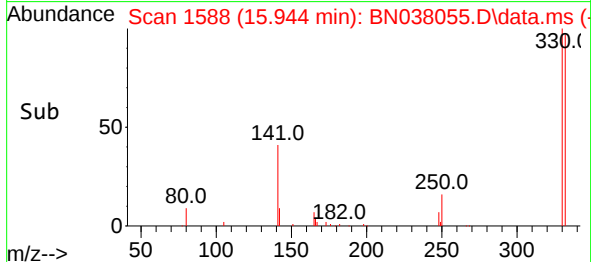
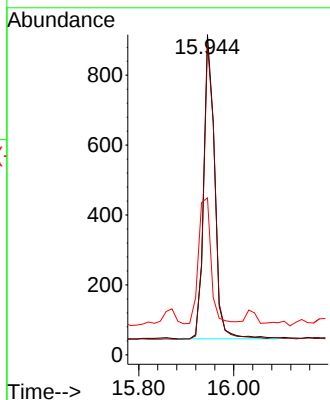
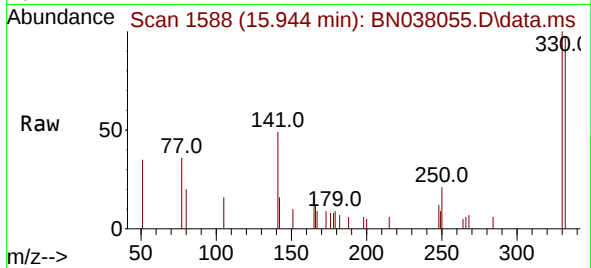




#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.944 min Scan# 11
Delta R.T. -0.025 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

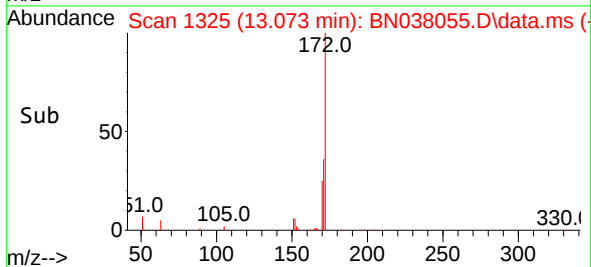
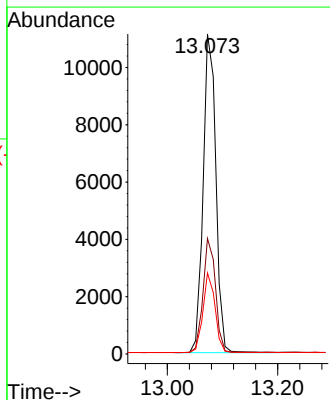
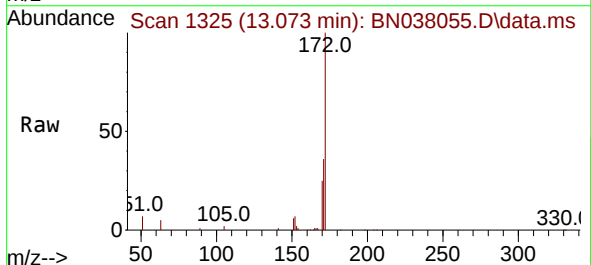
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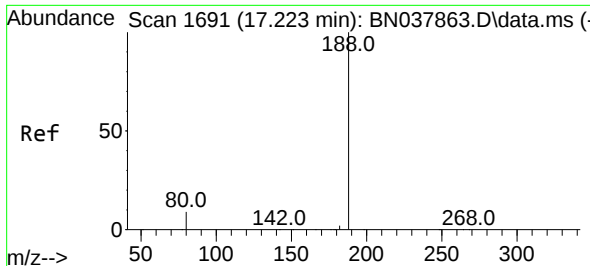
Tgt Ion:330 Resp: 1409
Ion Ratio Lower Upper
330 100
332 98.2 77.2 115.8
141 47.4 37.2 55.8



#15
2-Fluorobiphenyl
Concen: 0.416 ng
RT: 13.073 min Scan# 1325
Delta R.T. -0.021 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

Tgt Ion:172 Resp: 17907
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 25.3 19.7 29.5

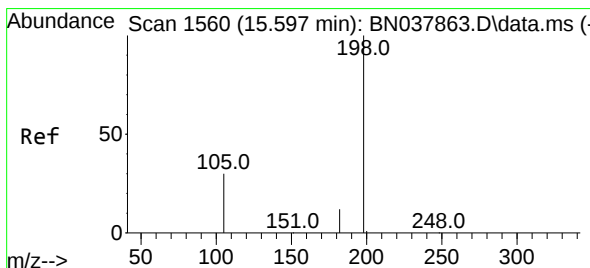
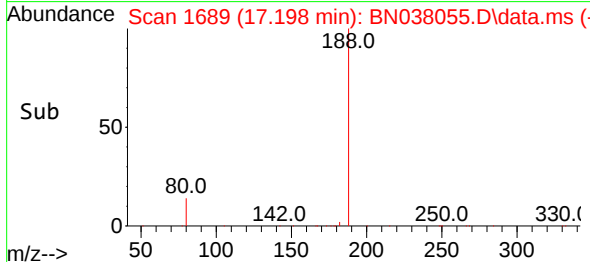
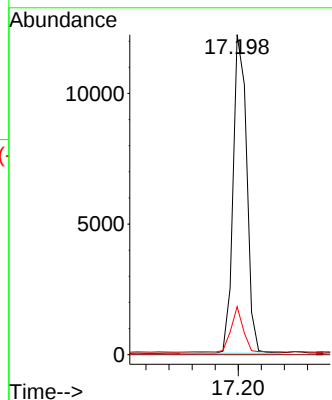
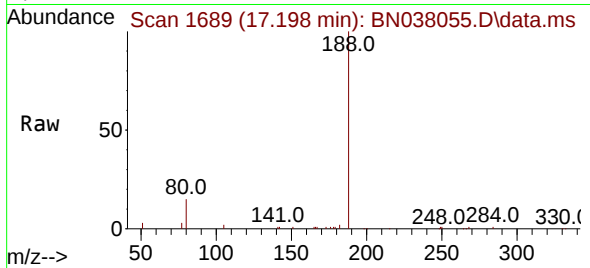




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1
Delta R.T. -0.025 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

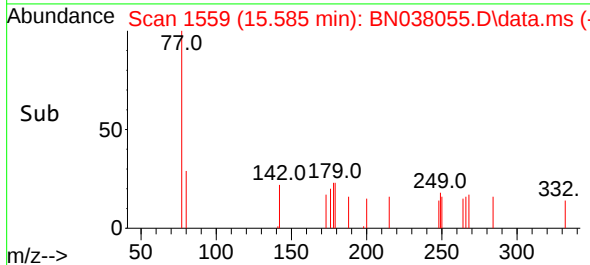
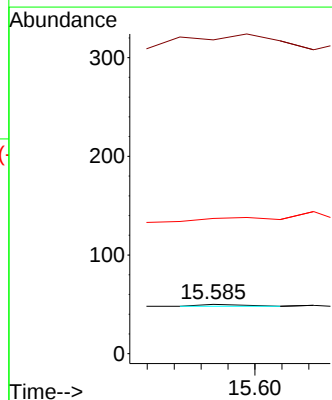
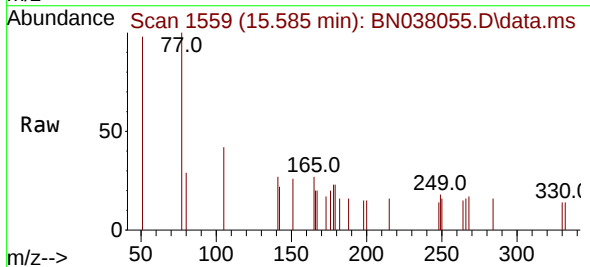
Instrument :
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BP-VPB-184-GW-500-502

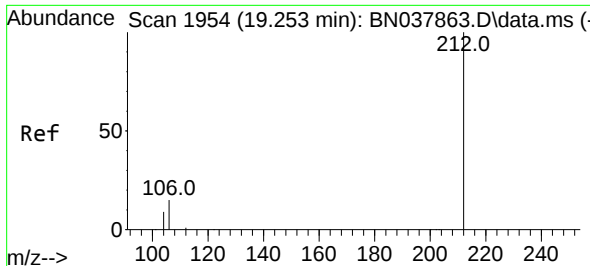
Tgt Ion:188 Resp: 19983
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 15.0 7.6 11.4#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.068 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 636.0 59.1 88.7#
105 274.0 41.3 61.9#

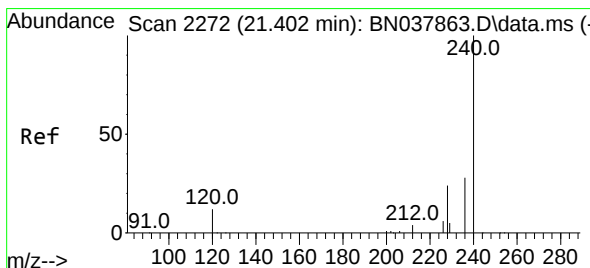
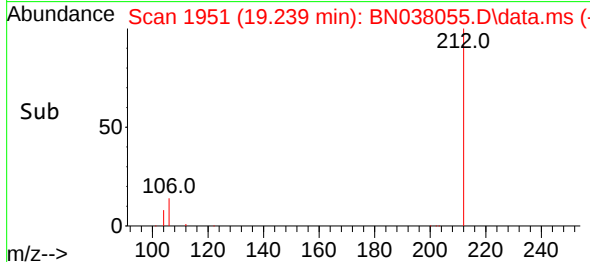
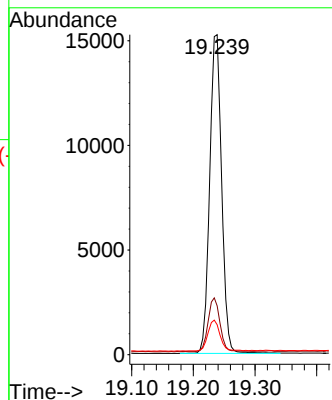
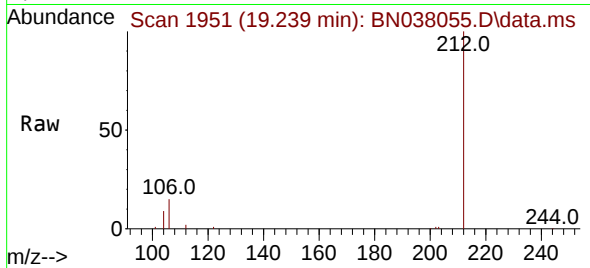




#27
Fluoranthene-d10
Concen: 0.405 ng
RT: 19.239 min Scan# 19239
Delta R.T. -0.014 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

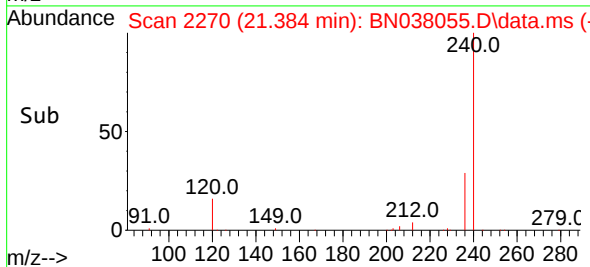
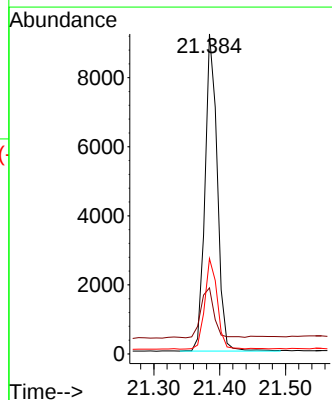
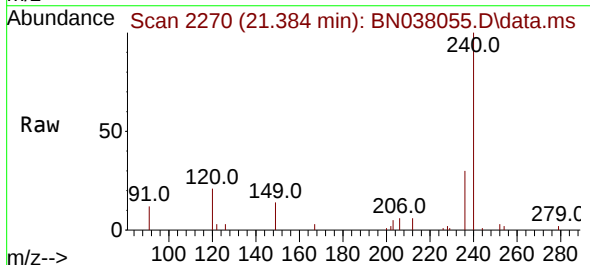
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-500-502

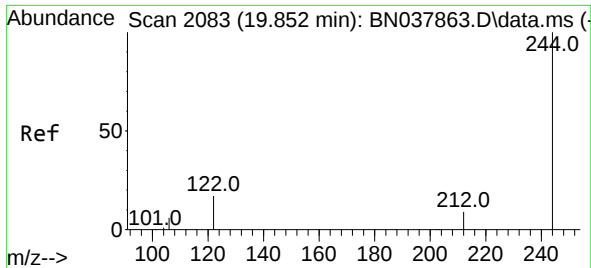
Tgt Ion:212 Resp: 20348
Ion Ratio Lower Upper
212 100
106 16.8 12.6 19.0
104 9.9 7.4 11.0



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.018 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

Tgt Ion:240 Resp: 11986
Ion Ratio Lower Upper
240 100
120 20.7 11.4 17.2#
236 29.8 23.0 34.6

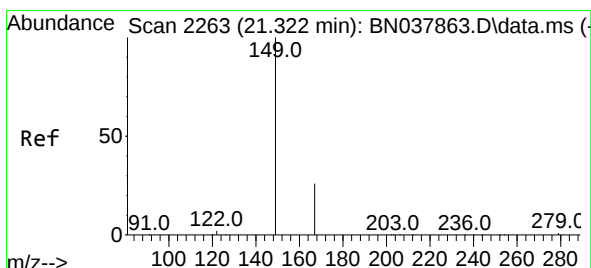
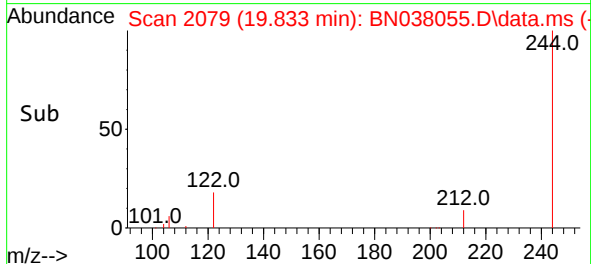
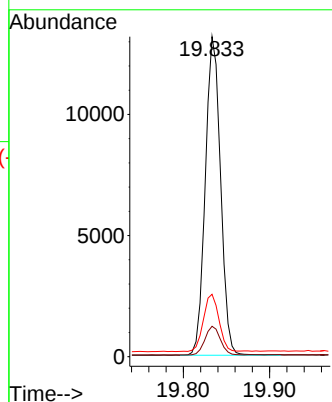
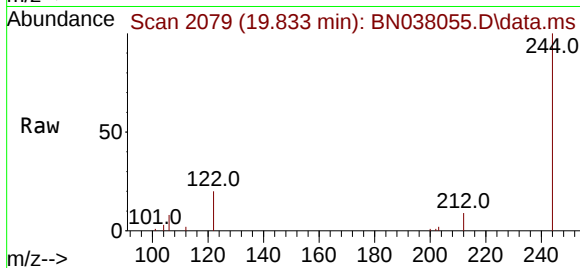




#31
Terphenyl-d14
Concen: 0.677 ng
RT: 19.833 min Scan# 2083
Delta R.T. -0.019 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

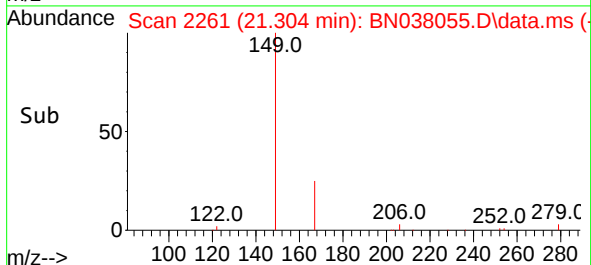
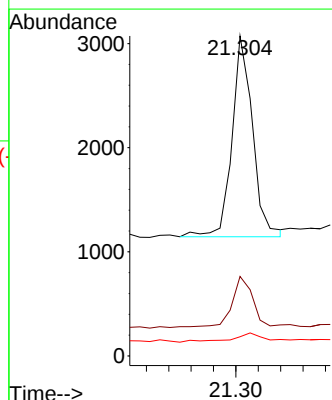
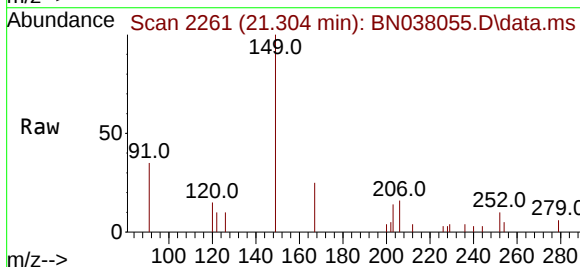
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-500-502

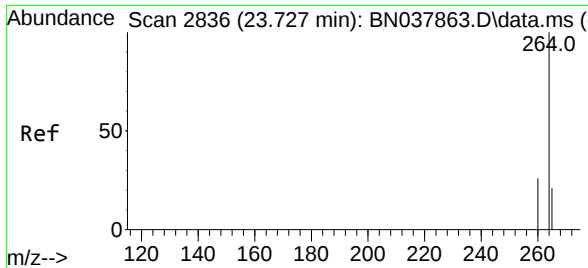
Tgt Ion:244 Resp: 16160
Ion Ratio Lower Upper
244 100
212 9.5 7.6 11.4
122 19.5 13.9 20.9



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.149 ng
RT: 21.304 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

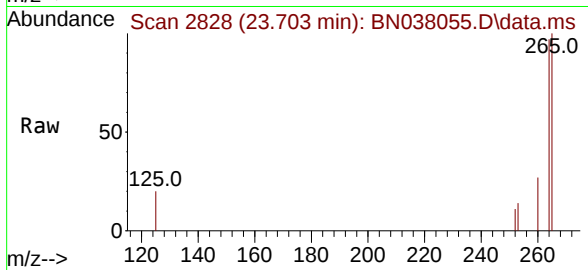
Tgt Ion:149 Resp: 2467
Ion Ratio Lower Upper
149 100
167 24.8 20.4 30.6
279 7.5 2.4 3.6#





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.703 min Scan# 21
Delta R.T. -0.023 min
Lab File: BN038055.D
Acq: 07 Oct 2025 20:33

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-GW-500-502



Tgt Ion:264 Resp: 10008
Ion Ratio Lower Upper
264 100
260 27.9 21.5 32.3
265 103.0 53.8 80.6#

