

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100625\
 Data File : BN038028.D
 Acq On : 07 Oct 2025 03:09
 Operator : RC/JU
 Sample : Q3213-02
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VPB184-HYD-20250924

Quant Time: Oct 07 04:17:12 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)

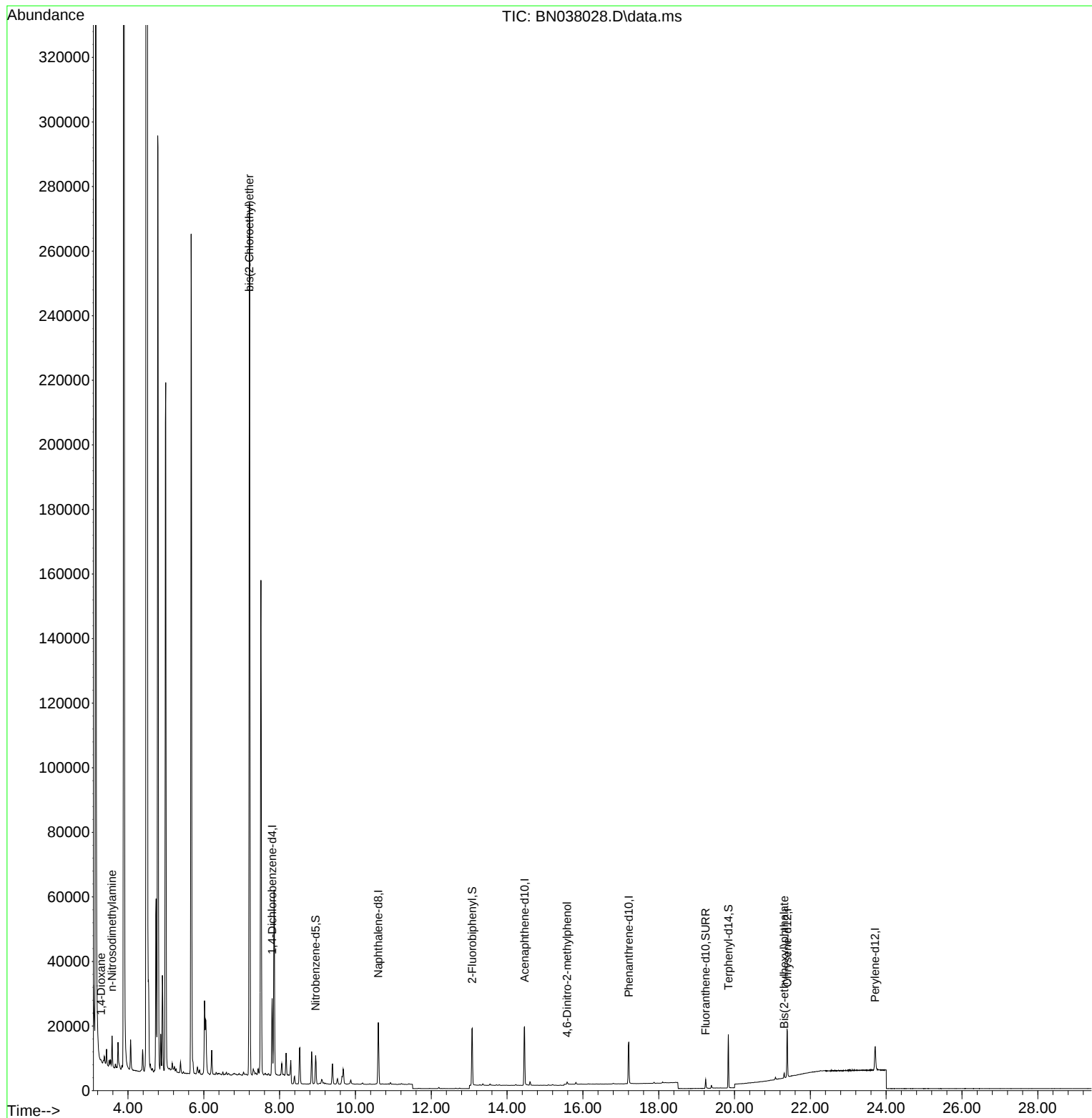
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	9188	0.400	ng	-0.02
7) Naphthalene-d8	10.605	136	24871	0.400	ng	-0.02
13) Acenaphthene-d10	14.462	164	11299	0.400	ng	-0.01
19) Phenanthrene-d10	17.211	188	19333	0.400	ng	-0.01
29) Chrysene-d12	21.393	240	14413	0.400	ng	0.00
35) Perylene-d12	23.709	264	10609	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.377	112	40	0.002	ng	0.00
5) Phenol-d6	6.959	99	27	0.001	ng	-0.01
8) Nitrobenzene-d5	8.950	82	6770	0.357	ng	-0.02
11) 2-Methylnaphthalene-d10	12.202	152	492	0.014	ng	-0.02
14) 2,4,6-Tribromophenol	15.944	330	41	0.010	ng	-0.02
15) 2-Fluorobiphenyl	13.083	172	17146	0.371	ng	-0.01
27) Fluoranthene-d10	19.239	212	2954	0.061	ng	-0.01
31) Terphenyl-d14	19.838	244	14779	0.515	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.290	88	374	0.040	ng	# 80
3) n-Nitrosodimethylamine	3.579	42	576	0.046	ng	# 2
6) bis(2-Chloroethyl)ether	7.204	93	174897	6.839	ng	# 44
20) 4,6-Dinitro-2-methylph...	15.585	198	11	0.072	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.313	149	1712	0.086	ng	93

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

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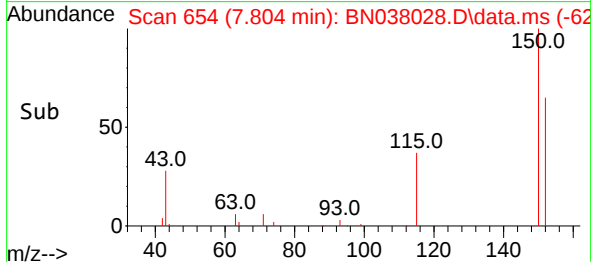
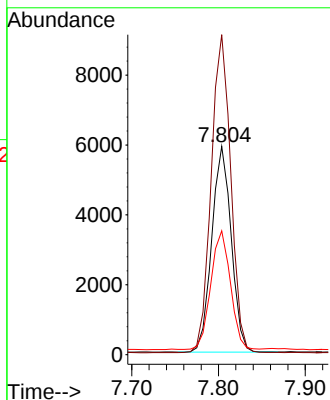
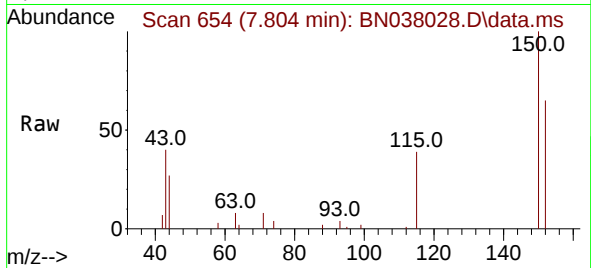




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.021 min
 Lab File: BN038028.D
 Acq: 07 Oct 2025 03:09

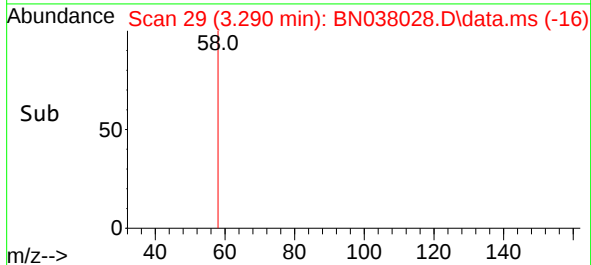
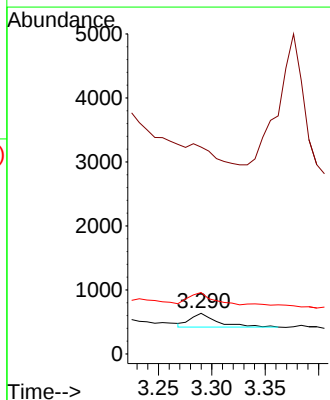
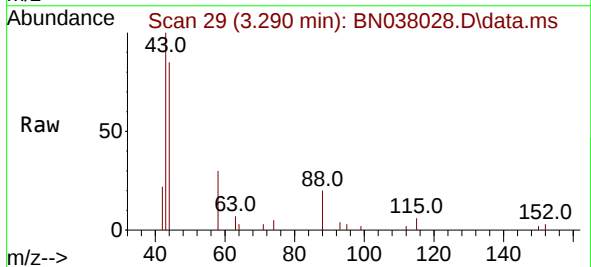
Instrument :
 BNA_P
 ClientSampleId :
 VPB184-HYD-20250924

Tgt Ion:152 Resp: 9188
 Ion Ratio Lower Upper
 152 100
 150 153.7 121.0 181.4
 115 59.5 47.4 71.0



#2
 1,4-Dioxane
 Concen: 0.040 ng
 RT: 3.290 min Scan# 29
 Delta R.T. -0.007 min
 Lab File: BN038028.D
 Acq: 07 Oct 2025 03:09

Tgt Ion: 88 Resp: 374
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 39.8#
 58 76.2 58.9 88.3

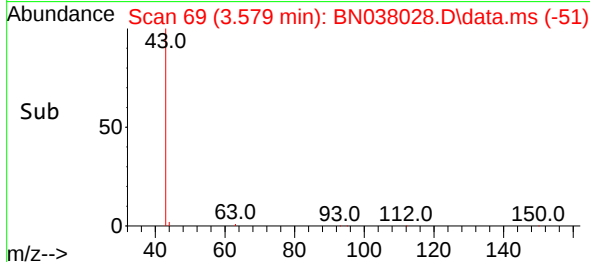
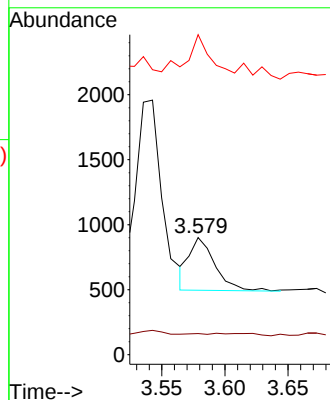
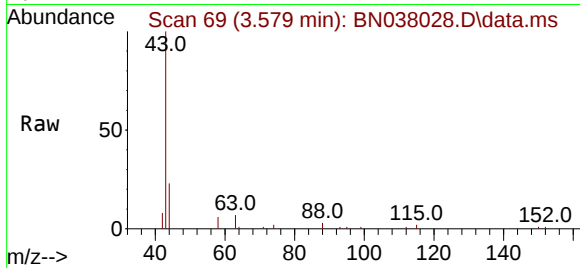




#3
n-Nitrosodimethylamine
Concen: 0.046 ng
RT: 3.579 min Scan# 61
Delta R.T. -0.022 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

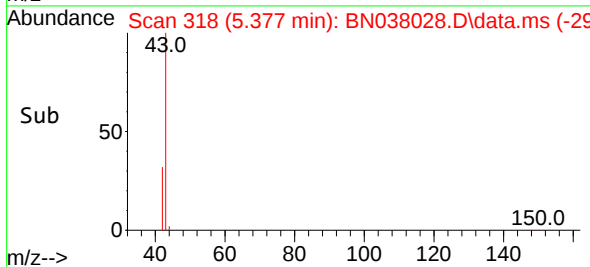
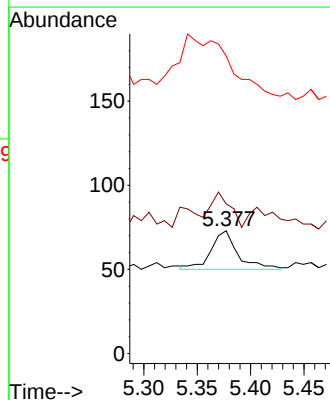
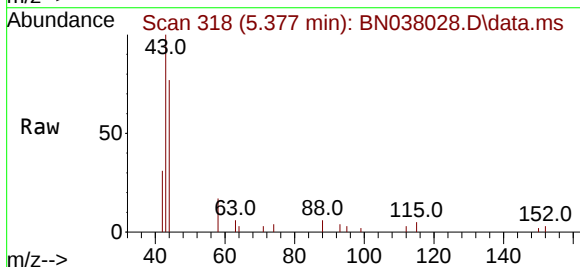
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BNA_P
ClientSampleId :
VPB184-HYD-20250924

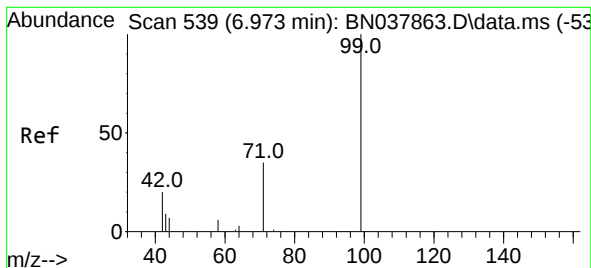
Tgt Ion: 42 Resp: 576
Ion Ratio Lower Upper
42 100
74 0.0 93.4 140.0#
44 58.7 22.2 33.4#



#4
2-Fluorophenol
Concen: 0.002 ng
RT: 5.377 min Scan# 318
Delta R.T. -0.007 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

Tgt Ion: 112 Resp: 40
Ion Ratio Lower Upper
112 100
64 65.0 44.6 66.8
63 0.0 24.9 37.3#





#5

Phenol-d6

Concen: 0.001 ng

RT: 6.959 min Scan# 51

Delta R.T. -0.015 min

Lab File: BN038028.D

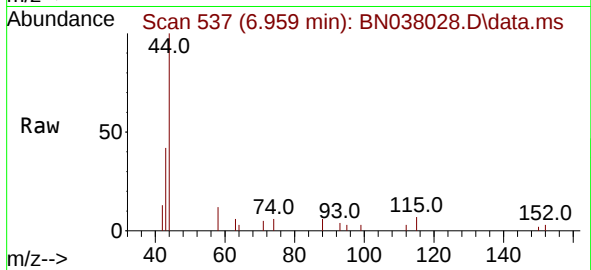
Acq: 07 Oct 2025 03:09

Instrument :

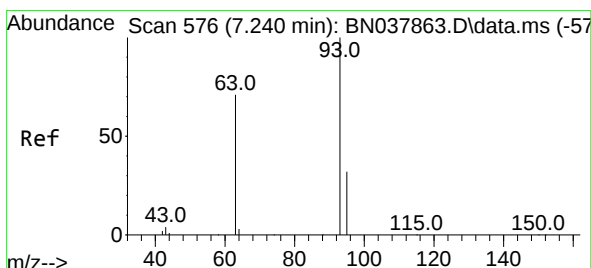
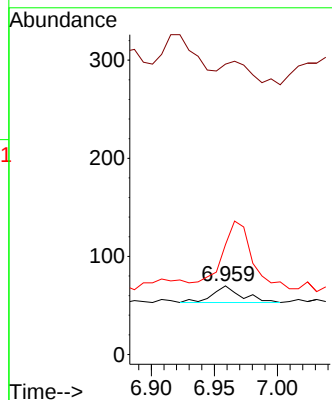
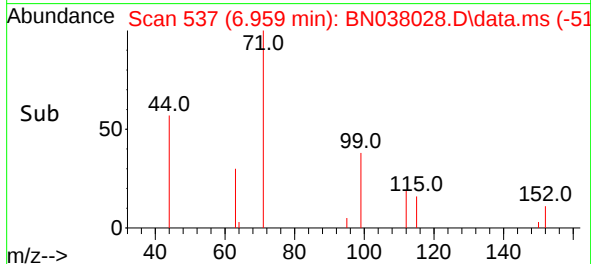
BNA_P

ClientSampleId :

VPB184-HYD-20250924



Tgt Ion:	99	Resp:	27
Ion	Ratio	Lower	Upper
99	100		
42	133.3	17.2	25.8#
71	425.9	27.3	40.9#



#6

bis(2-Chloroethyl)ether

Concen: 6.839 ng

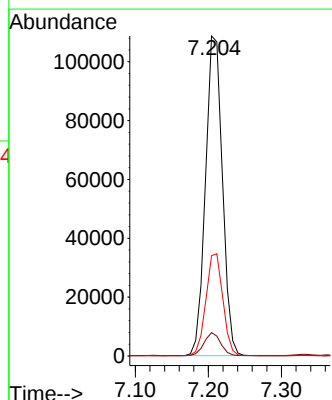
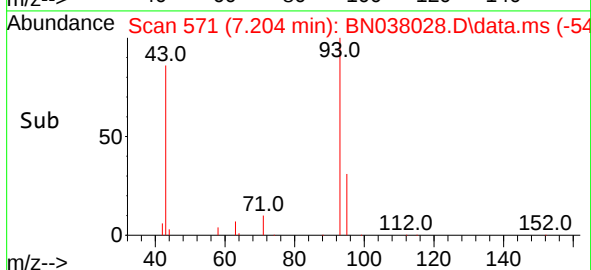
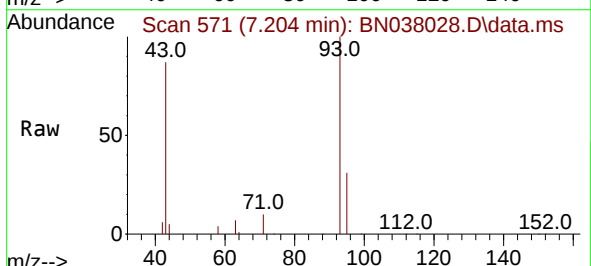
RT: 7.204 min Scan# 571

Delta R.T. -0.036 min

Lab File: BN038028.D

Acq: 07 Oct 2025 03:09

Tgt Ion:	93	Resp:	174897
Ion	Ratio	Lower	Upper
93	100		
63	6.9	60.1	90.1#
95	31.9	25.4	38.2

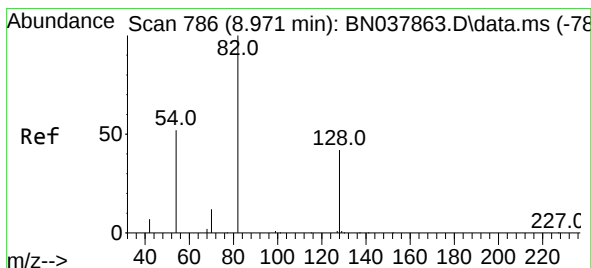
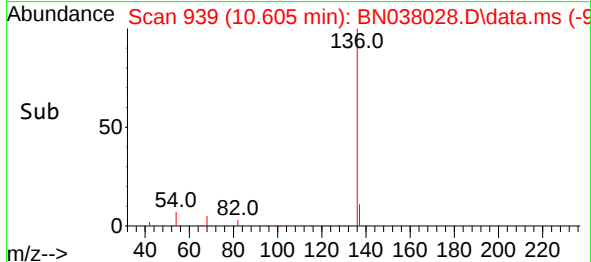
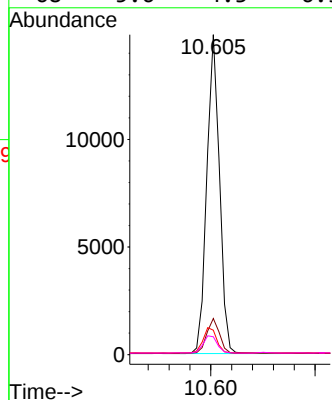
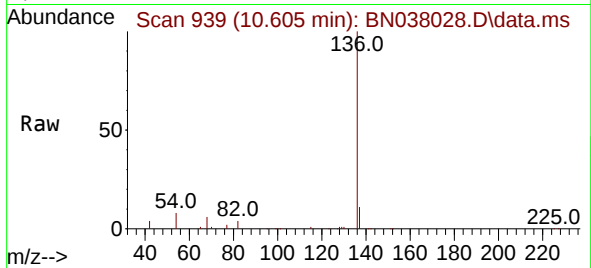




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

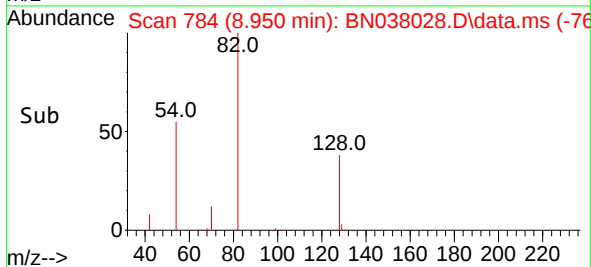
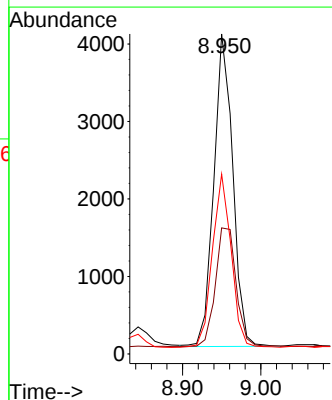
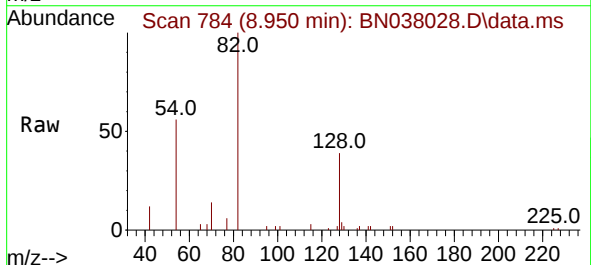
Instrument :
BNA_P
ClientSampleId :
VPB184-HYD-20250924

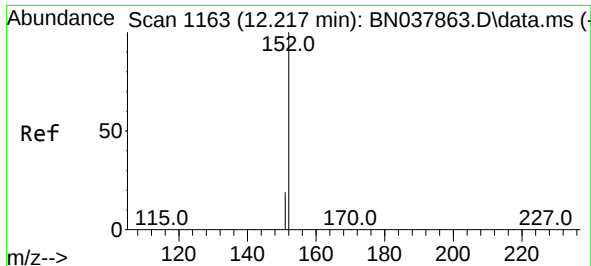
Tgt Ion:	136	Resp:	24871
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.0	13.4
54	7.6	5.8	8.8
68	5.6	4.3	6.5



#8
Nitrobenzene-d5
Concen: 0.357 ng
RT: 8.950 min Scan# 784
Delta R.T. -0.021 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

Tgt Ion:	82	Resp:	6770
Ion Ratio	Lower	Upper	
82	100		
128	39.4	34.8	52.2
54	56.2	42.2	63.2

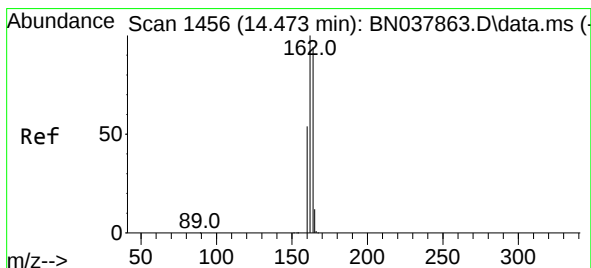
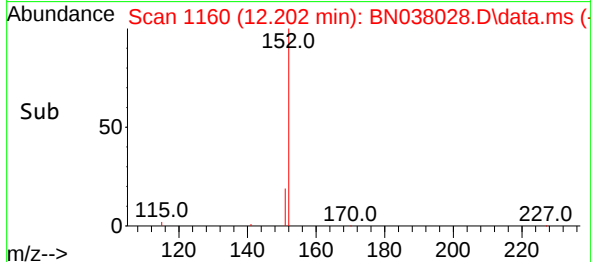
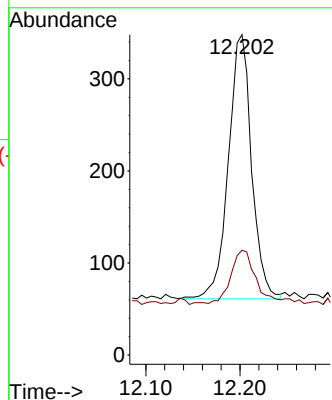
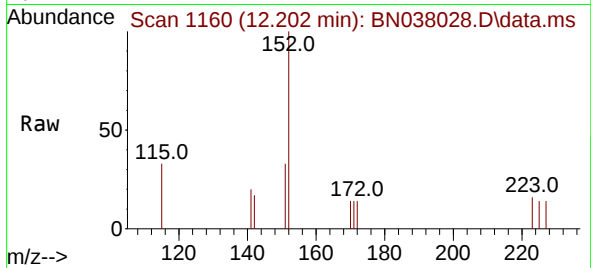




#11
2-Methylnaphthalene-d10
Concen: 0.014 ng
RT: 12.202 min Scan# 1160
Delta R.T. -0.015 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

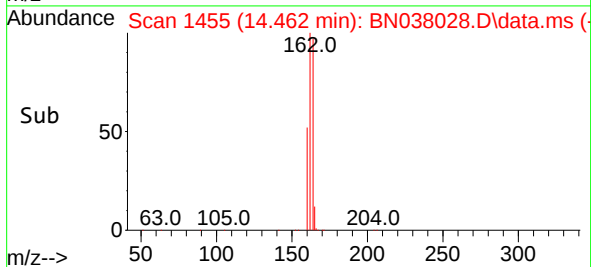
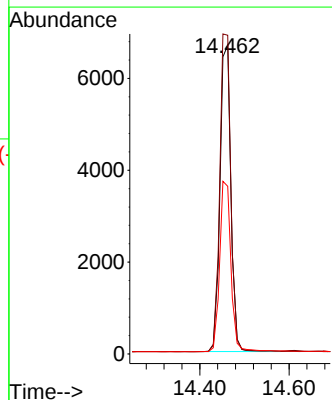
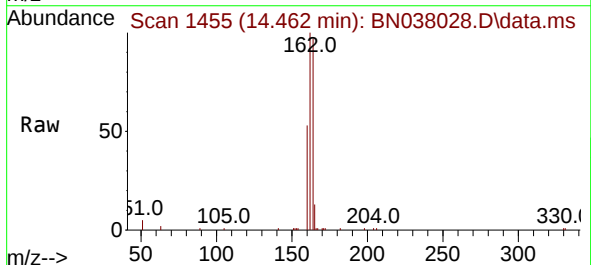
Instrument :
BNA_P
ClientSampleId :
VPB184-HYD-20250924

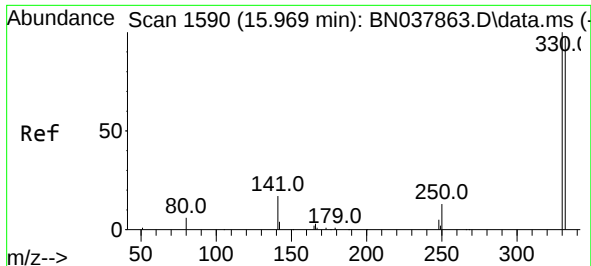
Tgt Ion:152 Resp: 492
Ion Ratio Lower Upper
152 100
151 21.3 17.4 26.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.462 min Scan# 1455
Delta R.T. -0.011 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

Tgt Ion:164 Resp: 11299
Ion Ratio Lower Upper
164 100
162 103.3 84.8 127.2
160 54.3 46.1 69.1

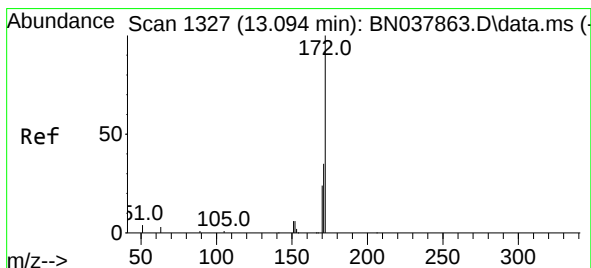
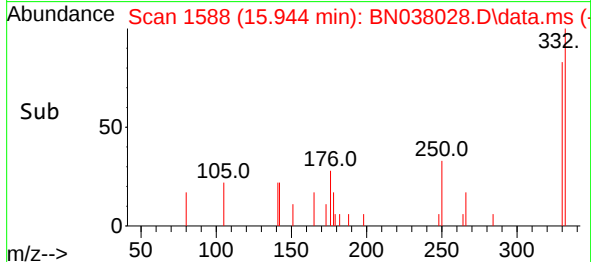
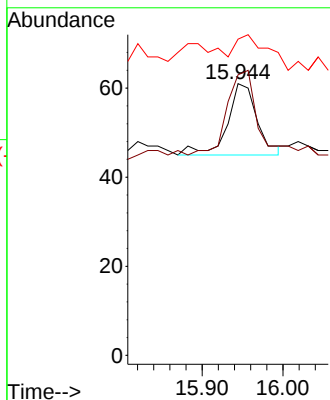
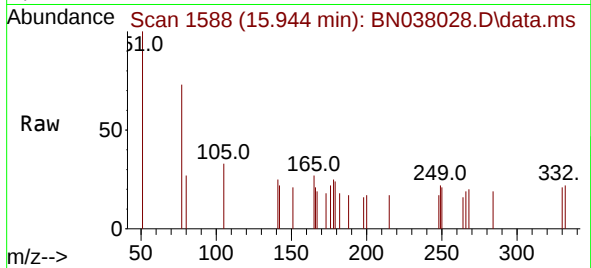




#14
2,4,6-Tribromophenol
Concen: 0.010 ng
RT: 15.944 min Scan# 1588
Delta R.T. -0.025 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

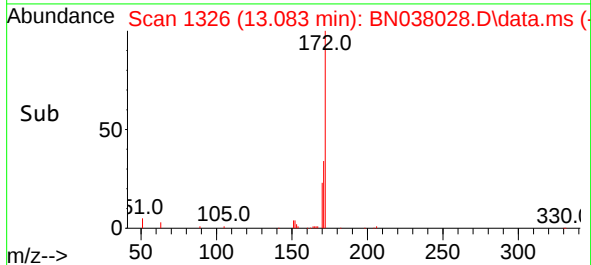
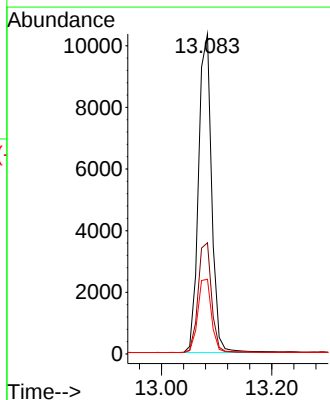
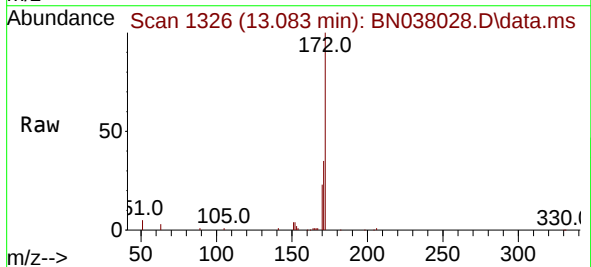
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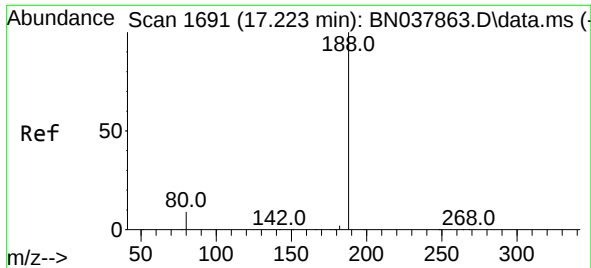
Tgt Ion:330 Resp: 41
Ion Ratio Lower Upper
330 100
332 124.4 77.2 115.8#
141 56.1 37.2 55.8#



#15
2-Fluorobiphenyl
Concen: 0.371 ng
RT: 13.083 min Scan# 1326
Delta R.T. -0.011 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

Tgt Ion:172 Resp: 17146
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.4 19.7 29.5

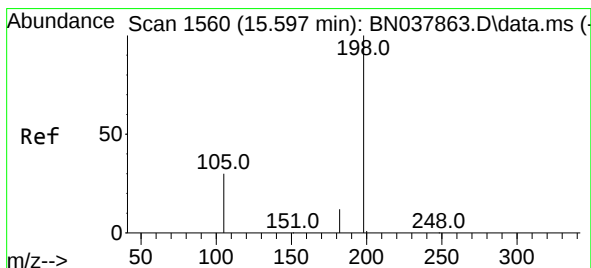
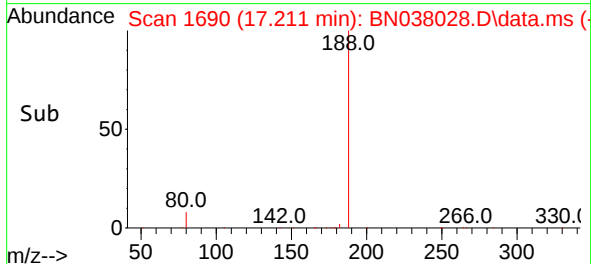
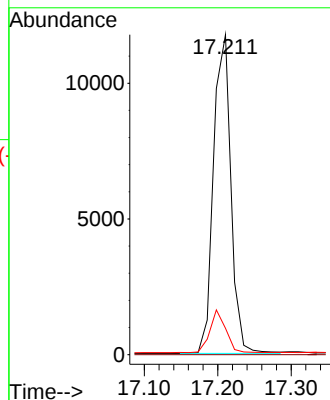
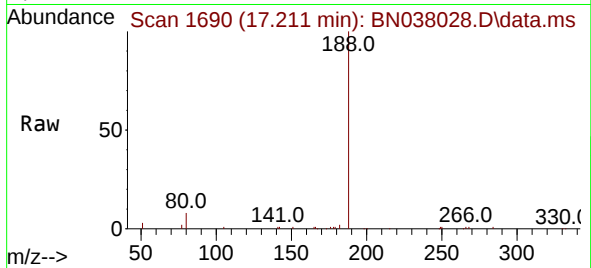




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.211 min Scan# 1
Delta R.T. -0.012 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

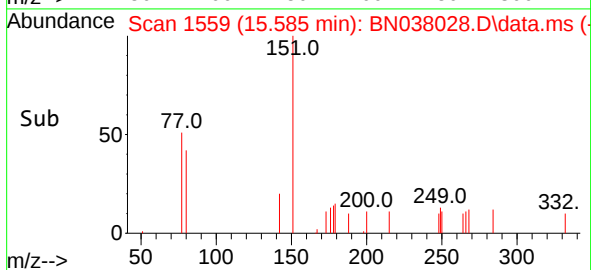
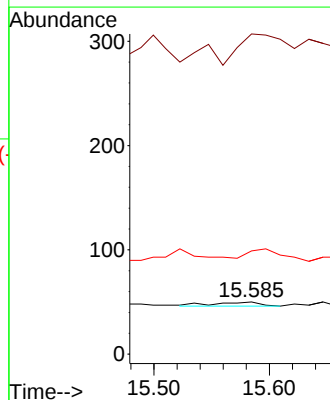
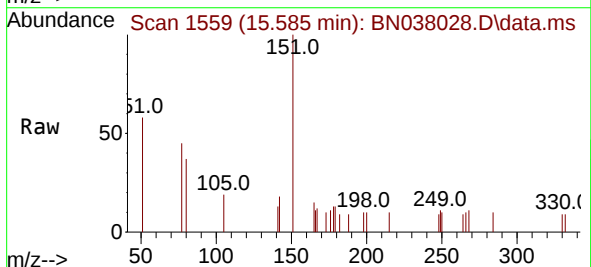
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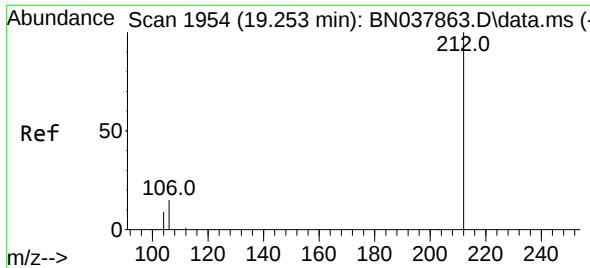
Tgt Ion:188 Resp: 19333
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.2 7.6 11.4



#20
4,6-Dinitro-2-methylphenol
Concen: 0.072 ng
RT: 15.585 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

Tgt Ion:198 Resp: 11
Ion Ratio Lower Upper
198 100
51 614.0 59.1 88.7#
105 198.0 41.3 61.9#

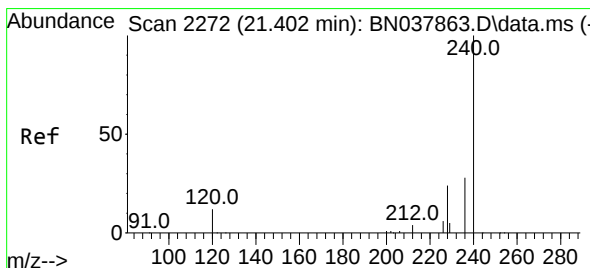
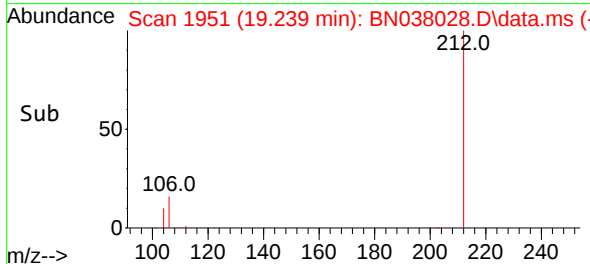
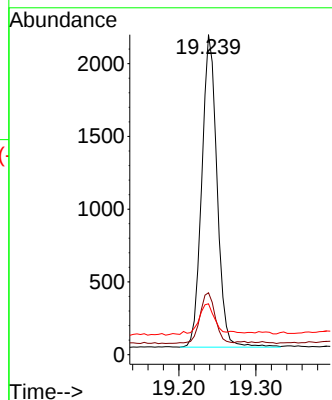
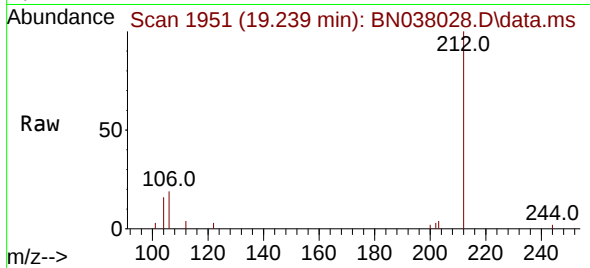




#27
Fluoranthene-d10
Concen: 0.061 ng
RT: 19.239 min Scan# 1954
Delta R.T. -0.014 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

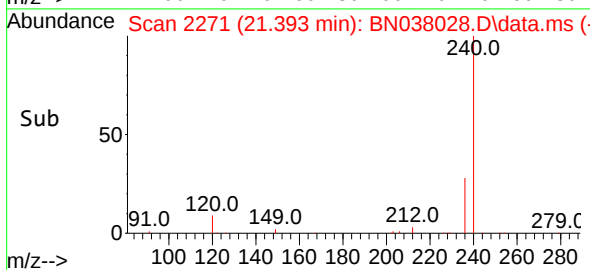
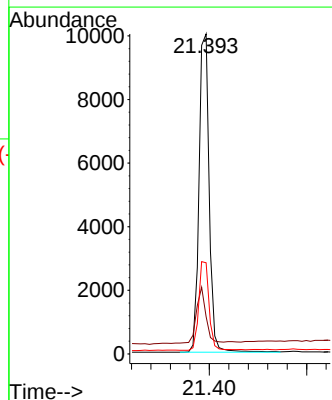
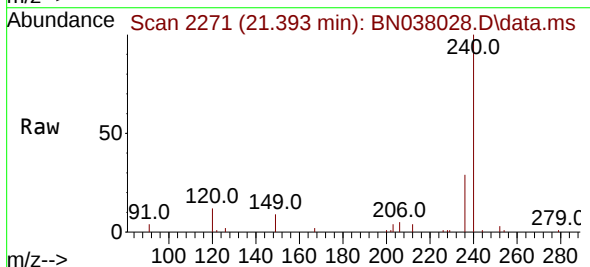
Instrument :
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ClientSampleId :
VPB184-HYD-20250924

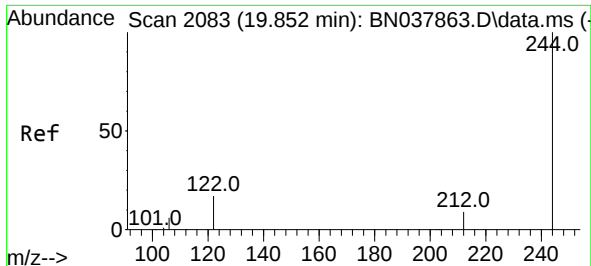
Tgt Ion:212	Resp:	2954
Ion Ratio	Lower	Upper
212	100	
106	16.0	12.6 19.0
104	10.9	7.4 11.0



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.393 min Scan# 2271
Delta R.T. -0.009 min
Lab File: BN038028.D
Acq: 07 Oct 2025 03:09

Tgt Ion:240	Resp:	14413
Ion Ratio	Lower	Upper
240	100	
120	11.6	11.4 17.2
236	28.5	23.0 34.6

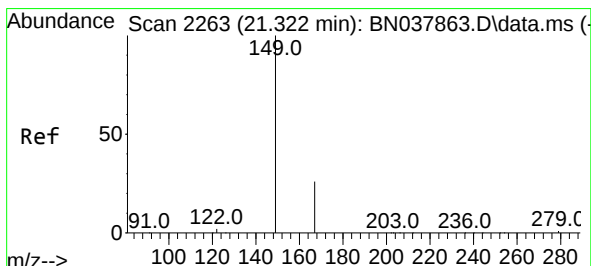
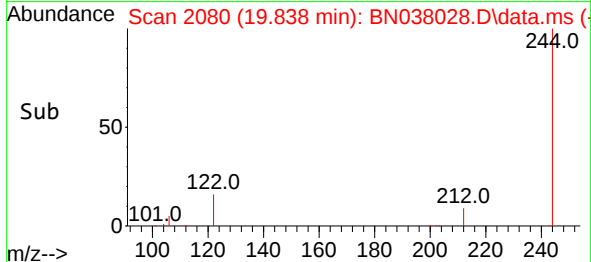
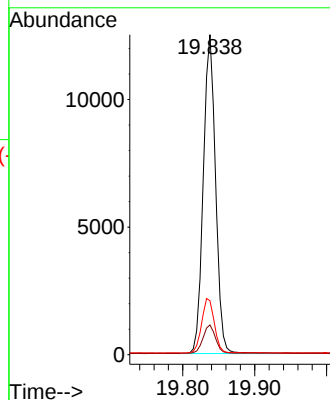
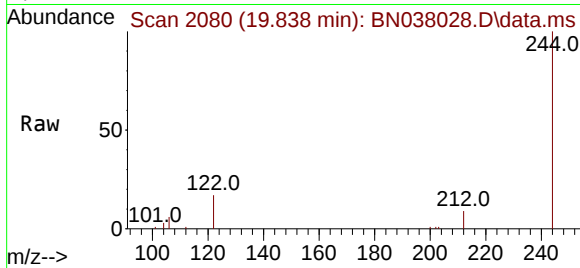




#31
 Terphenyl-d14
 Concen: 0.515 ng
 RT: 19.838 min Scan# 2080
 Delta R.T. -0.014 min
 Lab File: BN038028.D
 Acq: 07 Oct 2025 03:09

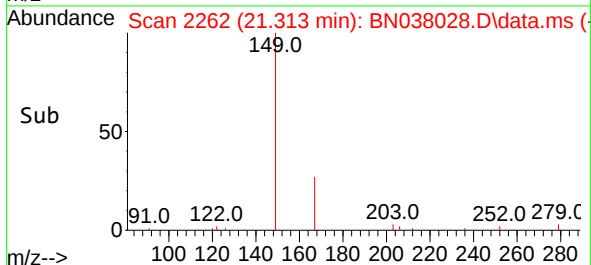
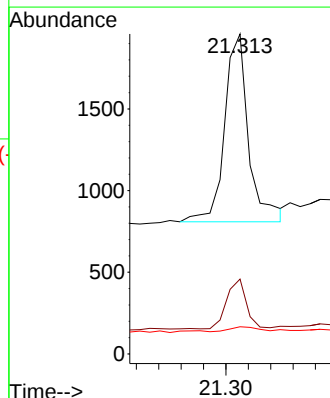
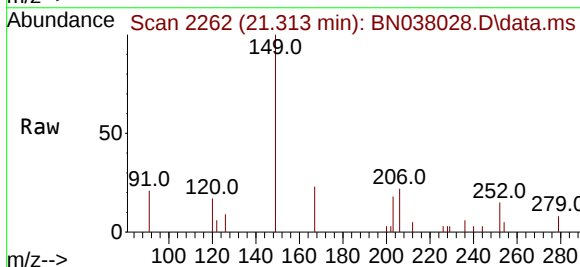
Instrument :
 BNA_P
 ClientSampleId :
 VPB184-HYD-20250924

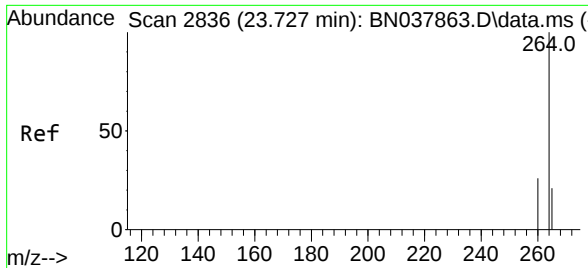
Tgt Ion:244 Resp: 14779
 Ion Ratio Lower Upper
 244 100
 212 9.3 7.6 11.4
 122 16.9 13.9 20.9



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.086 ng
 RT: 21.313 min Scan# 2262
 Delta R.T. -0.009 min
 Lab File: BN038028.D
 Acq: 07 Oct 2025 03:09

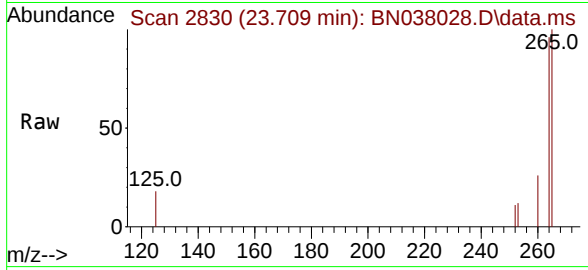
Tgt Ion:149 Resp: 1712
 Ion Ratio Lower Upper
 149 100
 167 21.7 20.4 30.6
 279 3.1 2.4 3.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.709 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BN038028.D
 Acq: 07 Oct 2025 03:09

Instrument :
 BNA_P
 ClientSampleId :
 VPB184-HYD-20250924



Tgt Ion:264 Resp: 10609

Ion	Ratio	Lower	Upper
264	100		
260	26.7	21.5	32.3
265	103.7	53.8	80.6#

