

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102025\
 Data File : BN038105.D
 Acq On : 20 Oct 2025 19:45
 Operator : RC/JU
 Sample : Q3371-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-EB-20251016

Quant Time: Oct 21 02:18:26 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)

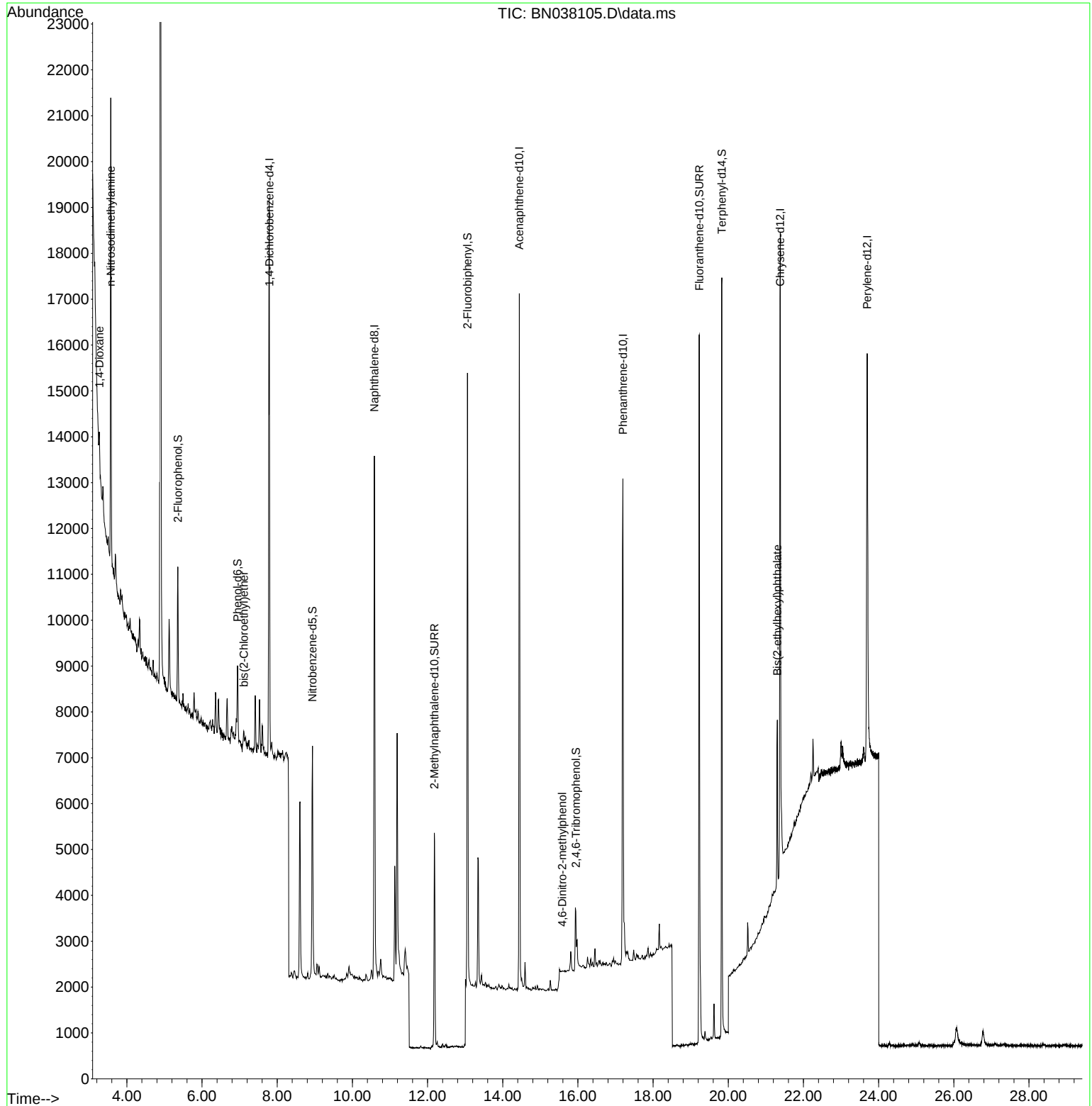
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	6197	0.400	ng	-0.04
7) Naphthalene-d8	10.584	136	15961	0.400	ng	#-0.04
13) Acenaphthene-d10	14.441	164	8401	0.400	ng	-0.03
19) Phenanthrene-d10	17.198	188	17071	0.400	ng	-0.02
29) Chrysene-d12	21.384	240	15030	0.400	ng	-0.02
35) Perylene-d12	23.695	264	14485	0.400	ng	#-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.356	112	2274	0.161	ng	-0.03
5) Phenol-d6	6.944	99	1516	0.082	ng	-0.03
8) Nitrobenzene-d5	8.939	82	4434	0.364	ng	-0.03
11) 2-Methylnaphthalene-d10	12.182	152	6748	0.304	ng	-0.04
14) 2,4,6-Tribromophenol	15.945	330	968	0.304	ng	-0.02
15) 2-Fluorobiphenyl	13.062	172	11962	0.348	ng	-0.03
27) Fluoranthene-d10	19.229	212	18080	0.421	ng	-0.02
31) Terphenyl-d14	19.829	244	16424	0.549	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.268	88	482	0.077	ng	# 35
3) n-Nitrosodimethylamine	3.572	42	714	0.085	ng	# 2
6) bis(2-Chloroethyl)ether	7.111	93	601	0.035	ng	# 27
20) 4,6-Dinitro-2-methylph...	15.585	198	10	0.072	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.304	149	3816	0.184	ng	# 96

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

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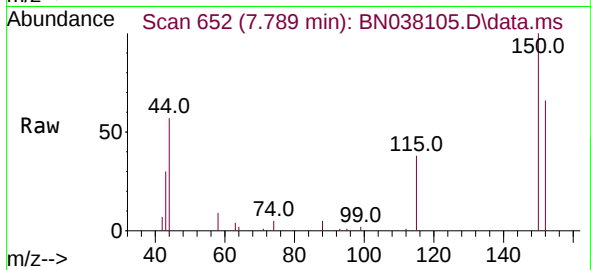
Quant Time: Oct 21 02:18:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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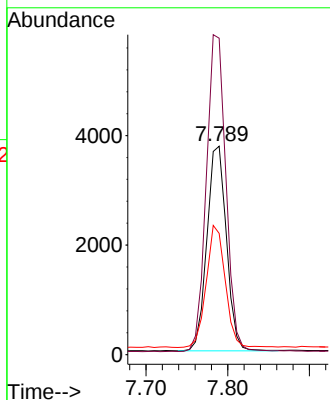
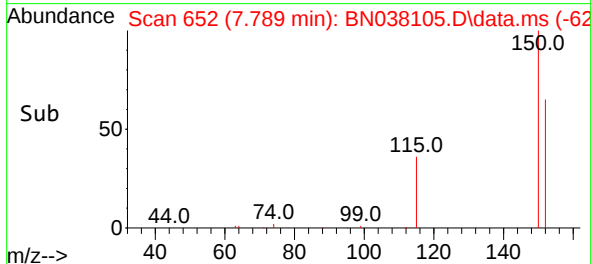


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.789 min Scan# 61
 Delta R.T. -0.036 min
 Lab File: BN038105.D
 Acq: 20 Oct 2025 19:45

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-EB-20251016

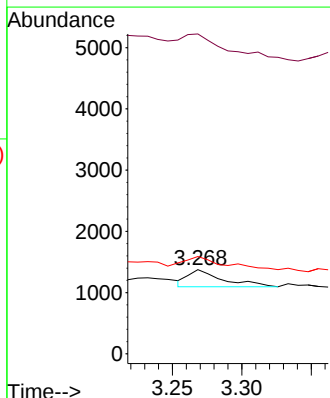
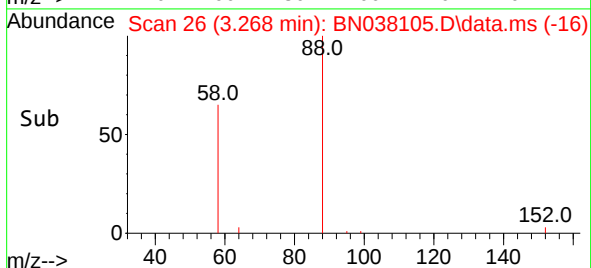
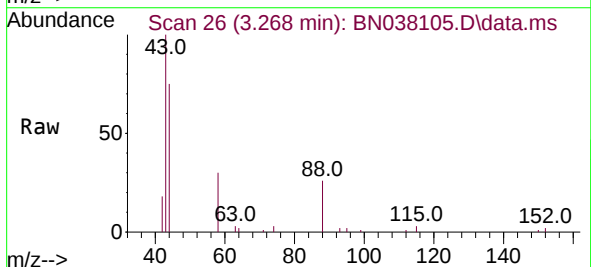


Tgt Ion:152 Resp: 6197
 Ion Ratio Lower Upper
 152 100
 150 151.8 121.0 181.4
 115 58.2 47.4 71.0



#2
 1,4-Dioxane
 Concen: 0.077 ng
 RT: 3.268 min Scan# 26
 Delta R.T. -0.029 min
 Lab File: BN038105.D
 Acq: 20 Oct 2025 19:45

Tgt Ion: 88 Resp: 482
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 39.8#
 58 130.5 58.9 88.3#

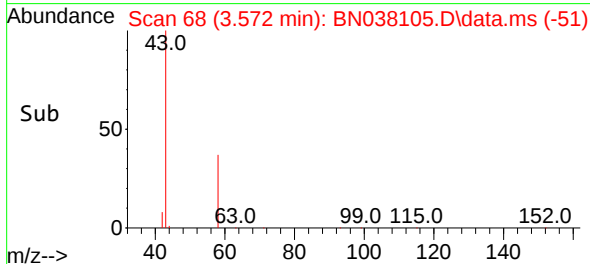
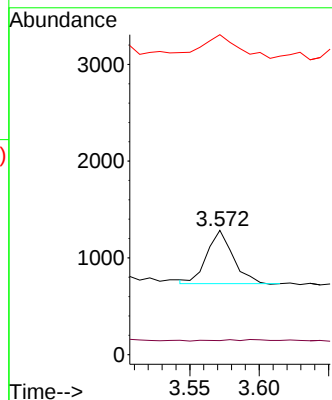
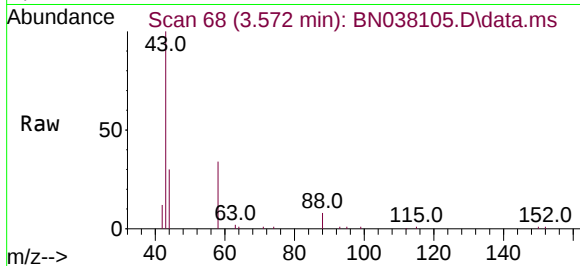




#3
 n-Nitrosodimethylamine
 Concen: 0.085 ng
 RT: 3.572 min Scan# 68
 Delta R.T. -0.029 min
 Lab File: BN038105.D
 Acq: 20 Oct 2025 19:45

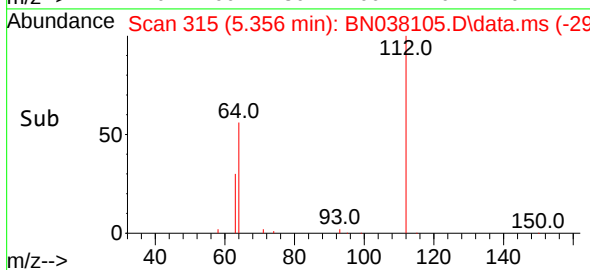
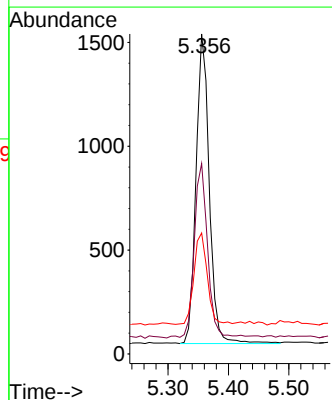
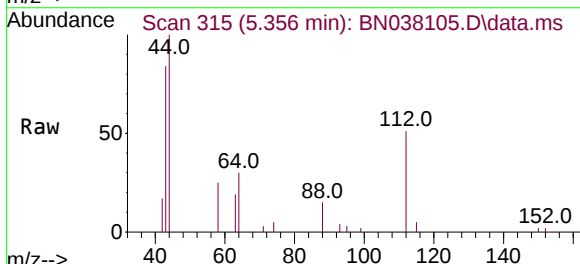
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 ClientSampleId :
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Tgt Ion: 42 Resp: 714
 Ion Ratio Lower Upper
 42 100
 74 0.0 93.4 140.0#
 44 59.0 22.2 33.4#



#4
 2-Fluorophenol
 Concen: 0.161 ng
 RT: 5.356 min Scan# 315
 Delta R.T. -0.029 min
 Lab File: BN038105.D
 Acq: 20 Oct 2025 19:45

Tgt Ion: 112 Resp: 2274
 Ion Ratio Lower Upper
 112 100
 64 56.8 44.6 66.8
 63 29.8 24.9 37.3

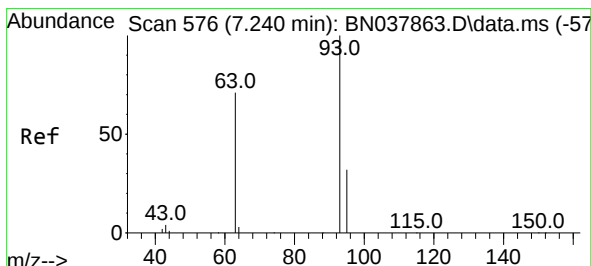
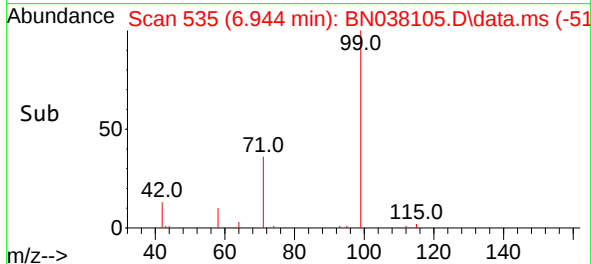
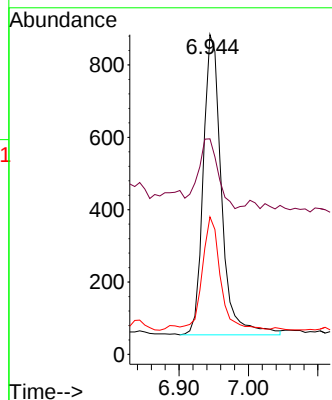
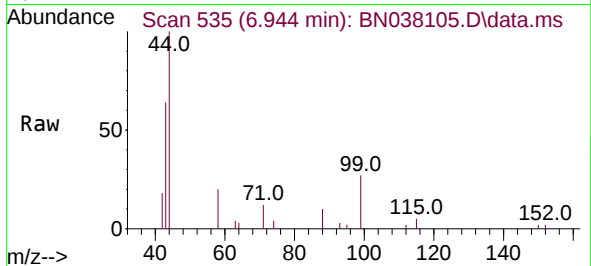




#5
Phenol-d6
Concen: 0.082 ng
RT: 6.944 min Scan# 531
Delta R.T. -0.029 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

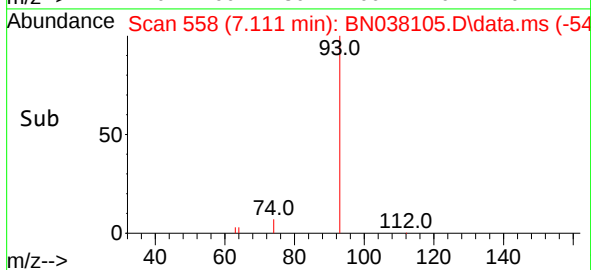
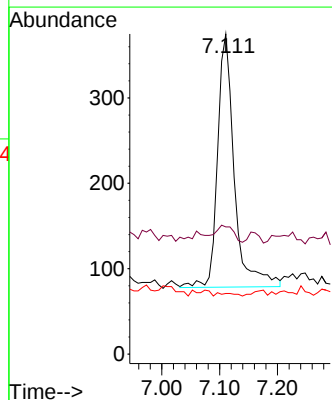
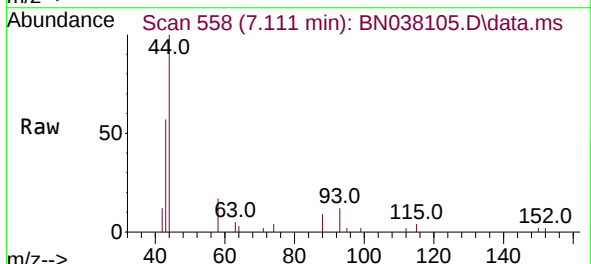
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20251016

Tgt Ion:	99	Resp:	1516
Ion	Ratio	Lower	Upper
99	100		
42	25.3	17.2	25.8
71	36.3	27.3	40.9



#6
bis(2-Chloroethyl)ether
Concen: 0.035 ng
RT: 7.111 min Scan# 558
Delta R.T. -0.130 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

Tgt Ion:	93	Resp:	601
Ion	Ratio	Lower	Upper
93	100		
63	6.7	60.1	90.1#
95	0.0	25.4	38.2#

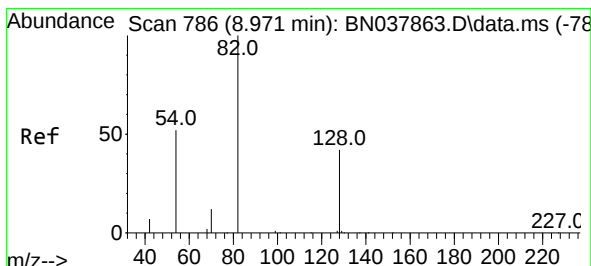
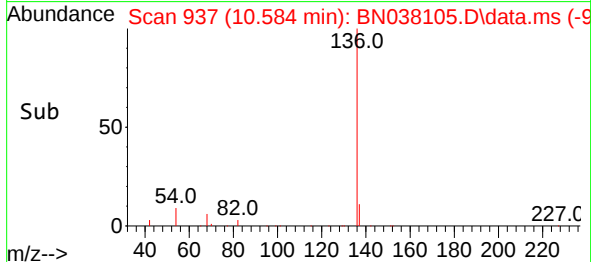
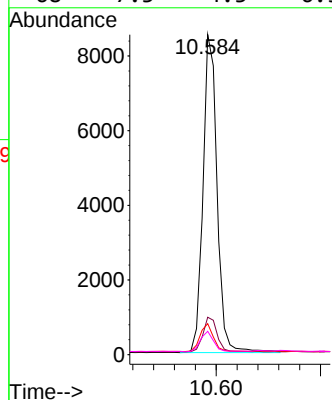
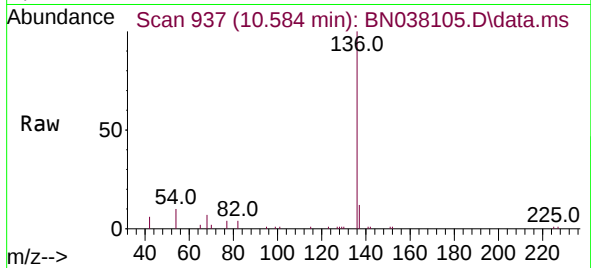




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 941
Delta R.T. -0.043 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

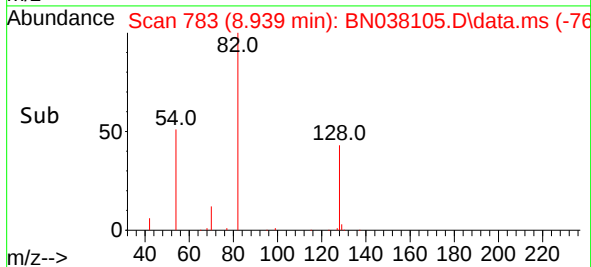
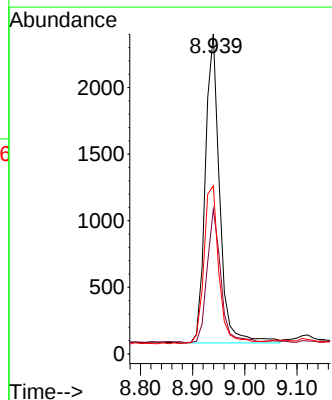
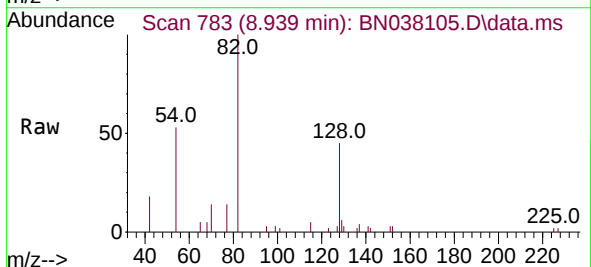
Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20251016

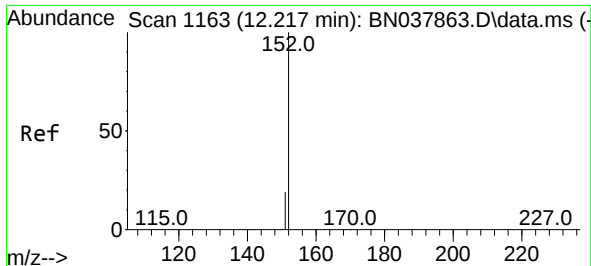
Tgt Ion:136	Resp:	15961
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.0 13.4
54	9.7	5.8 8.8#
68	7.3	4.3 6.5#



#8
Nitrobenzene-d5
Concen: 0.364 ng
RT: 8.939 min Scan# 783
Delta R.T. -0.032 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

Tgt Ion: 82	Resp:	4434
Ion Ratio	Lower	Upper
82	100	
128	45.2	34.8 52.2
54	52.5	42.2 63.2

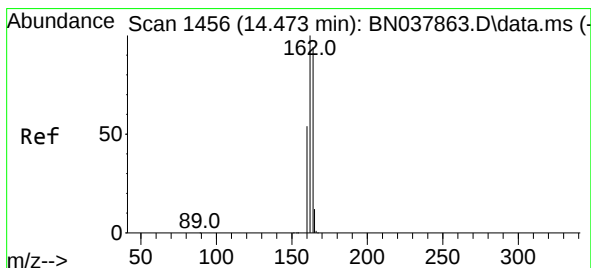
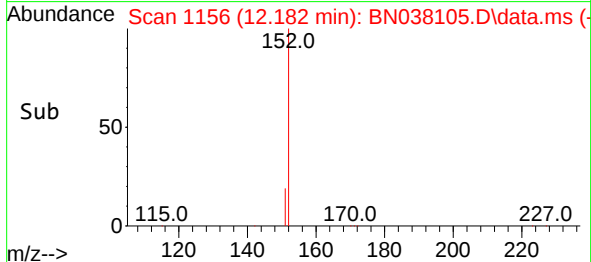
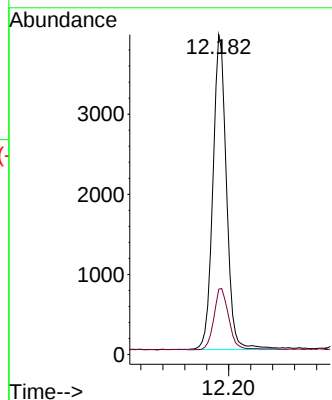
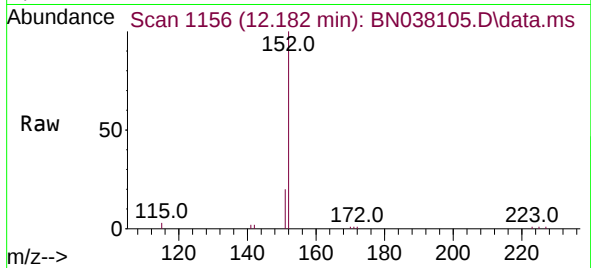




#11
2-Methylnaphthalene-d10
Concen: 0.304 ng
RT: 12.182 min Scan# 1163
Delta R.T. -0.035 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

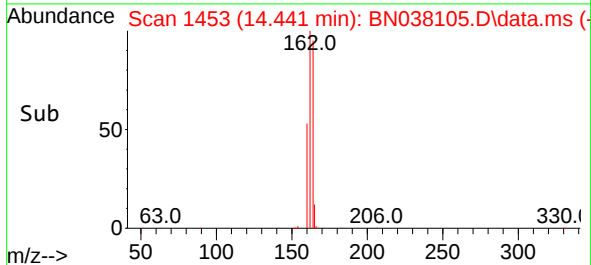
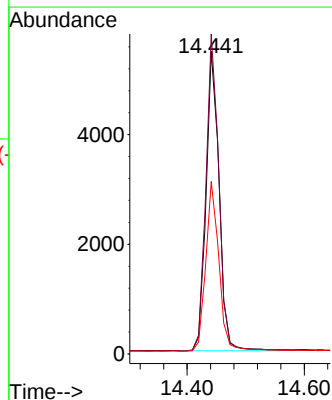
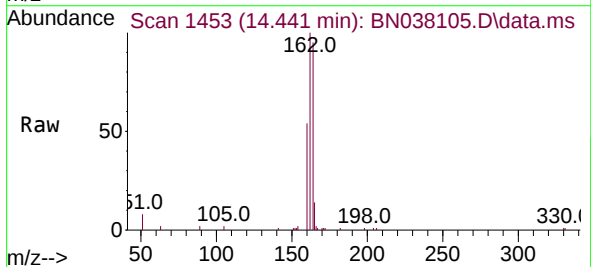
Instrument :
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ClientSampleId :
BP-VPB-184-EB-20251016

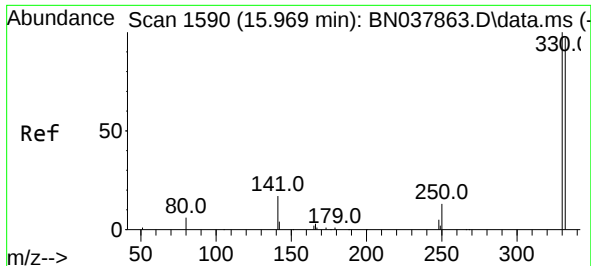
Tgt Ion:152 Resp: 6748
Ion Ratio Lower Upper
152 100
151 21.3 17.4 26.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.032 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

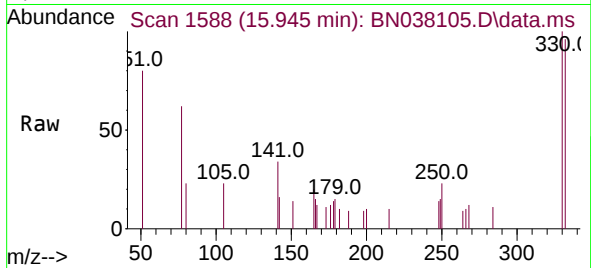
Tgt Ion:164 Resp: 8401
Ion Ratio Lower Upper
164 100
162 105.7 84.8 127.2
160 56.9 46.1 69.1



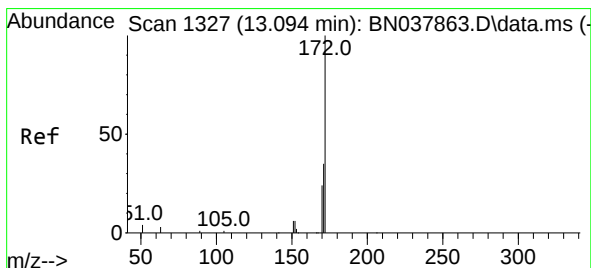
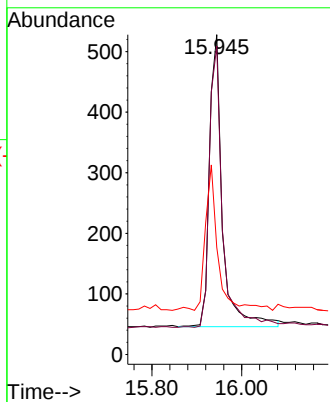
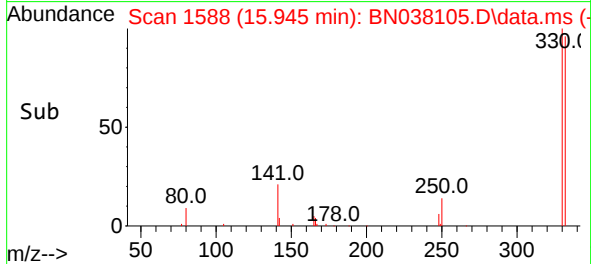


#14
2,4,6-Tribromophenol
Concen: 0.304 ng
RT: 15.945 min Scan# 1588
Delta R.T. -0.024 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

Instrument :
BNA_N
ClientSampleId :
BP-VPB-184-EB-20251016

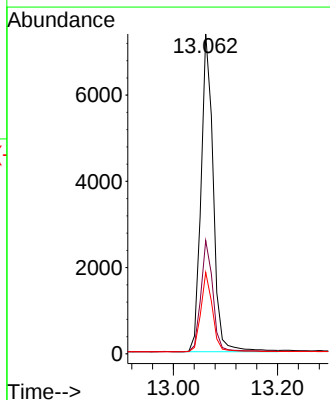
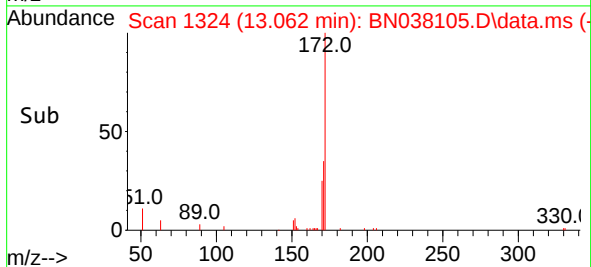
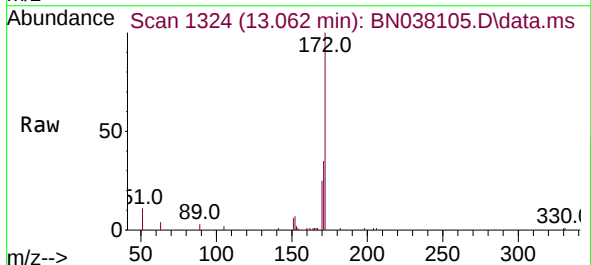


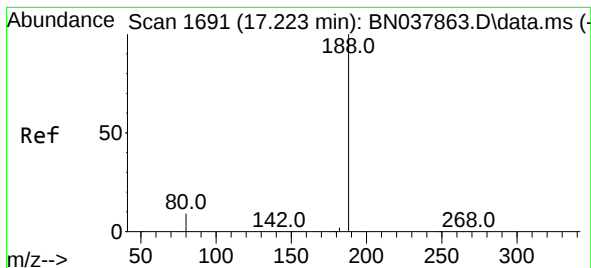
Tgt Ion:330 Resp: 968
Ion Ratio Lower Upper
330 100
332 98.5 77.2 115.8
141 48.0 37.2 55.8



#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.062 min Scan# 1324
Delta R.T. -0.032 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

Tgt Ion:172 Resp: 11962
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 25.5 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: BN038105.D

Acq: 20 Oct 2025 19:45

Instrument :

BNA_N

ClientSampleId :

BP-VPB-184-EB-20251016

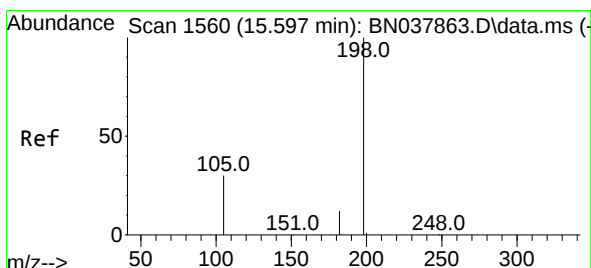
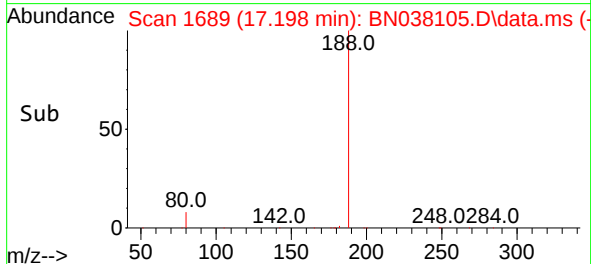
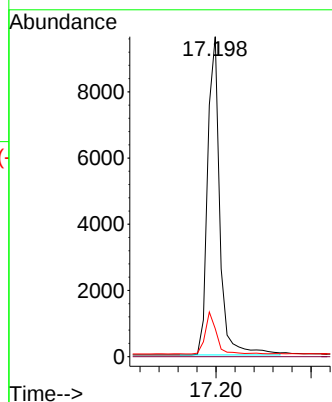
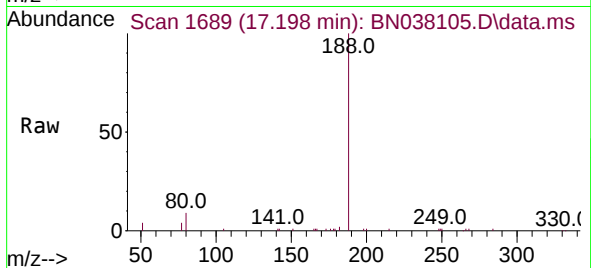
Tgt Ion:188 Resp: 17071

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: 15.585 min Scan# 1559

Delta R.T. -0.012 min

Lab File: BN038105.D

Acq: 20 Oct 2025 19:45

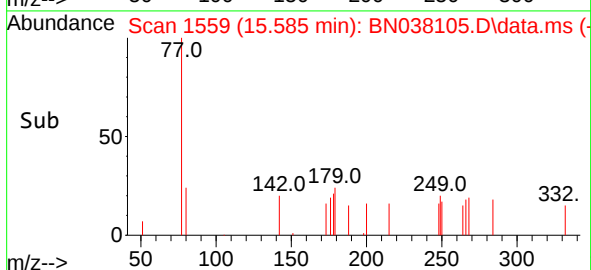
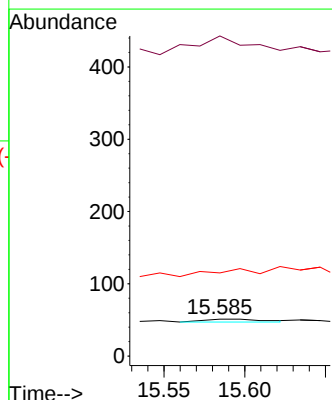
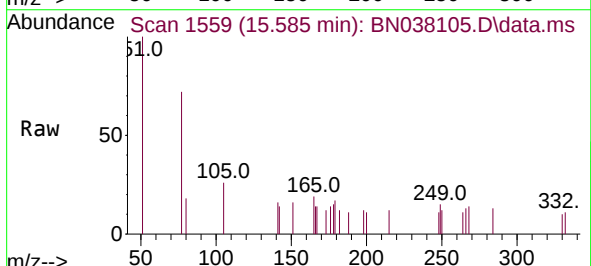
Tgt Ion:198 Resp: 10

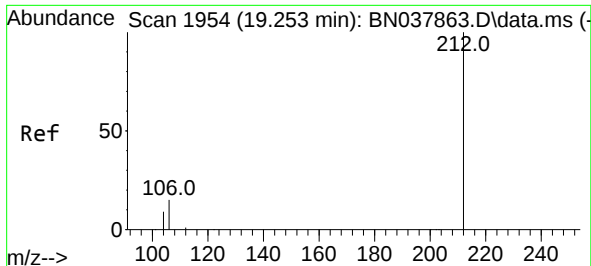
Ion Ratio Lower Upper

198 100

51 868.6 59.1 88.7#

105 225.5 41.3 61.9#

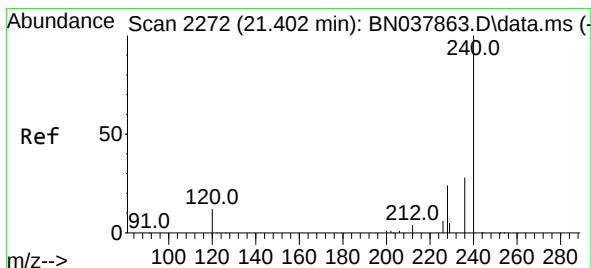
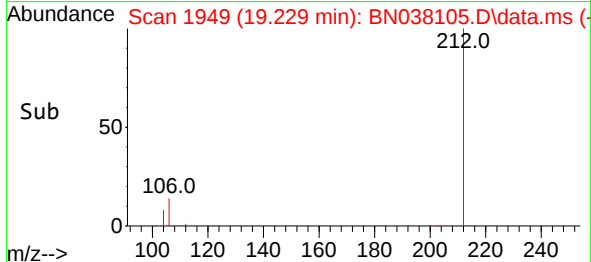
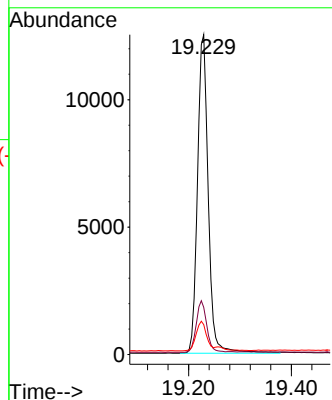
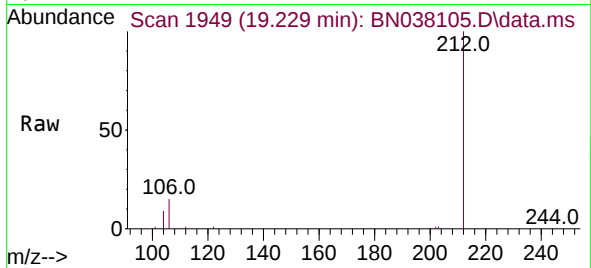




#27
Fluoranthene-d10
Concen: 0.421 ng
RT: 19.229 min Scan# 19
Delta R.T. -0.023 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

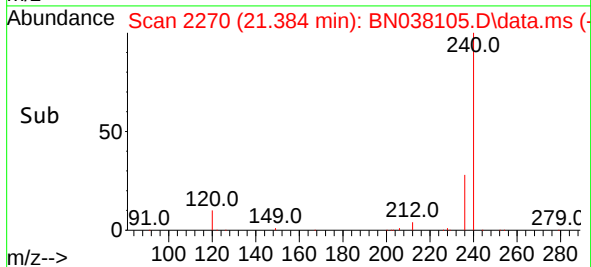
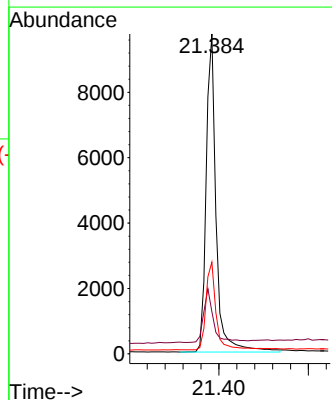
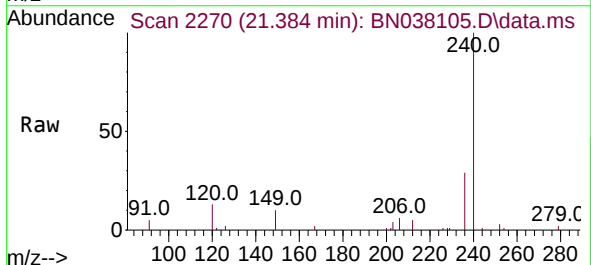
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ClientSampleId :
BP-VPB-184-EB-20251016

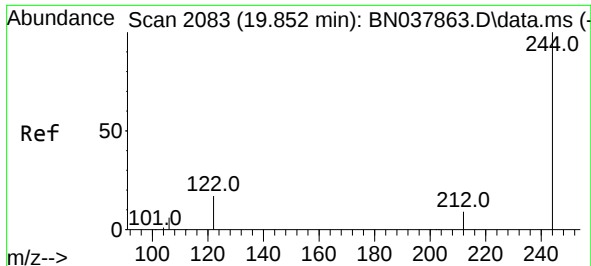
Tgt Ion:212 Resp: 18080
Ion Ratio Lower Upper
212 100
106 16.0 12.6 19.0
104 9.2 7.4 11.0



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 2270
Delta R.T. -0.018 min
Lab File: BN038105.D
Acq: 20 Oct 2025 19:45

Tgt Ion:240 Resp: 15030
Ion Ratio Lower Upper
240 100
120 13.2 11.4 17.2
236 28.7 23.0 34.6

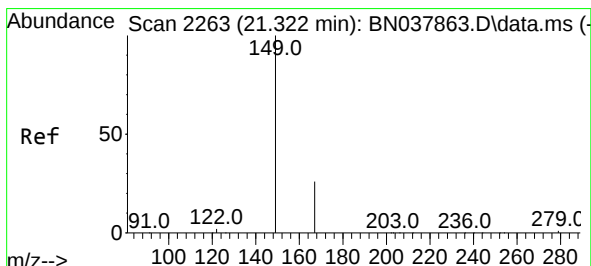
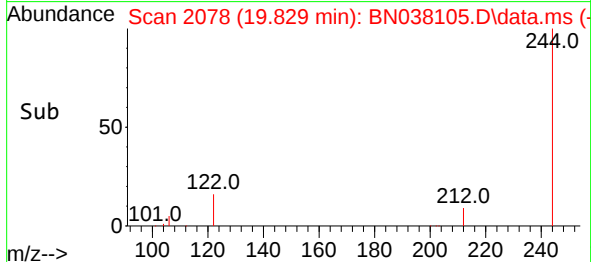
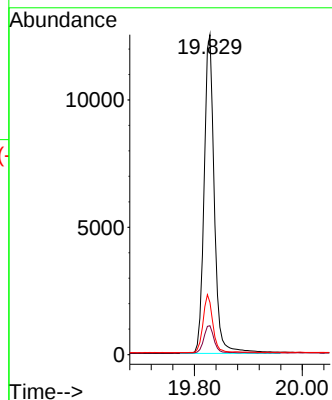
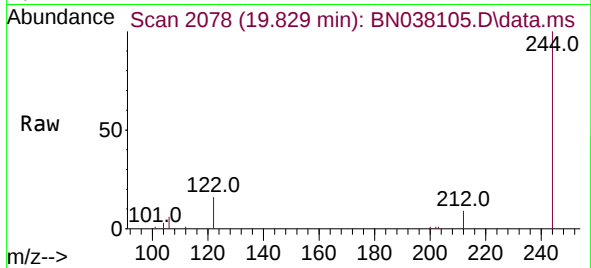




#31
 Terphenyl-d14
 Concen: 0.549 ng
 RT: 19.829 min Scan# 2083
 Delta R.T. -0.023 min
 Lab File: BN038105.D
 Acq: 20 Oct 2025 19:45

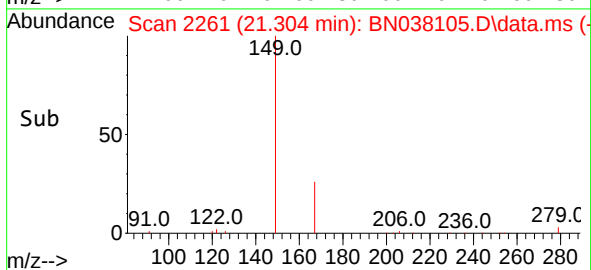
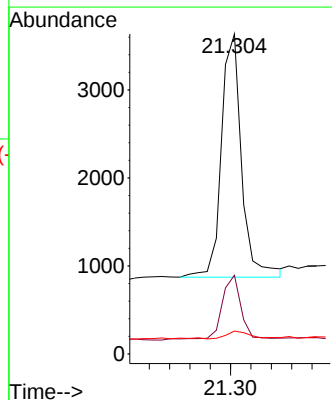
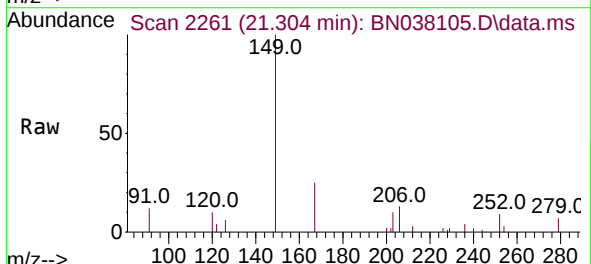
Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-EB-20251016

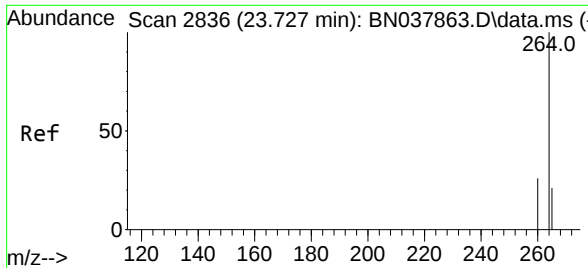
Tgt Ion:244 Resp: 16424
 Ion Ratio Lower Upper
 244 100
 212 9.0 7.6 11.4
 122 16.3 13.9 20.9



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.184 ng
 RT: 21.304 min Scan# 2261
 Delta R.T. -0.018 min
 Lab File: BN038105.D
 Acq: 20 Oct 2025 19:45

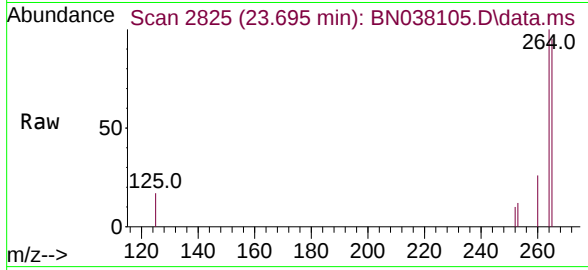
Tgt Ion:149 Resp: 3816
 Ion Ratio Lower Upper
 149 100
 167 23.6 20.4 30.6
 279 3.9 2.4 3.6#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.695 min Scan# 2836
 Delta R.T. -0.032 min
 Lab File: BN038105.D
 Acq: 20 Oct 2025 19:45

Instrument :
 BNA_N
 ClientSampleId :
 BP-VPB-184-EB-20251016



Tgt Ion:264 Resp: 14485

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.5	32.3
265	94.5	53.8	80.6

