

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100725\
 Data File : BN038057.D
 Acq On : 07 Oct 2025 21:46
 Operator : RC/JU
 Sample : Q3235-01DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250926DL

Quant Time: Oct 08 01:48:52 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)

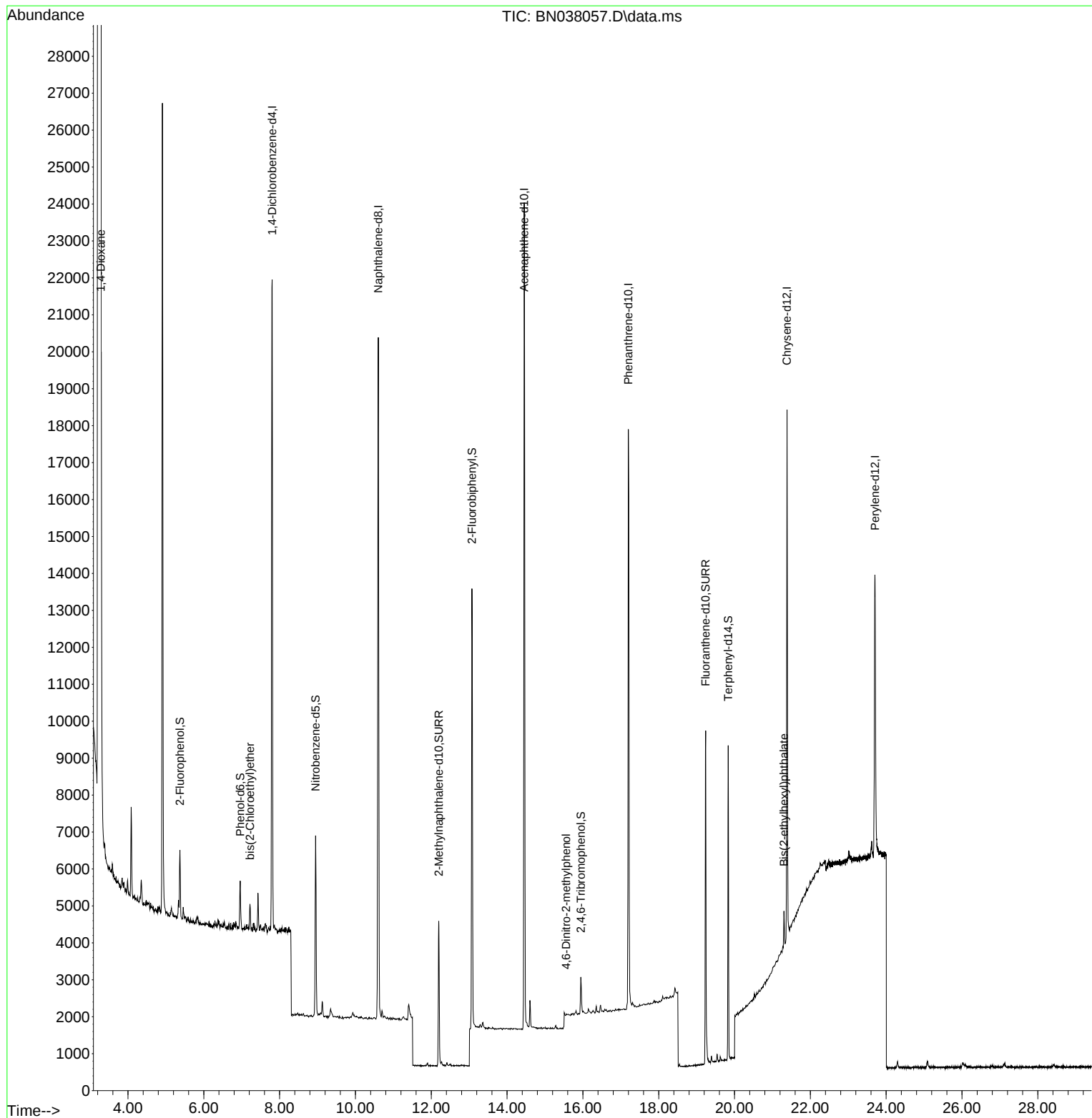
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	8836	0.400	ng	-0.02
7) Naphthalene-d8	10.605	136	25148	0.400	ng	-0.02
13) Acenaphthene-d10	14.452	164	12831	0.400	ng	-0.02
19) Phenanthrene-d10	17.198	188	23567	0.400	ng	#-0.02
29) Chrysene-d12	21.384	240	12529	0.400	ng	#-0.02
35) Perylene-d12	23.704	264	11024	0.400	ng	#-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.370	112	1441	0.071	ng	-0.01
5) Phenol-d6	6.959	99	1123	0.042	ng	-0.01
8) Nitrobenzene-d5	8.950	82	3842	0.200	ng	-0.02
11) 2-Methylnaphthalene-d10	12.197	152	5687	0.163	ng	-0.02
14) 2,4,6-Tribromophenol	15.945	330	648	0.133	ng	-0.02
15) 2-Fluorobiphenyl	13.073	172	10472	0.199	ng	-0.02
27) Fluoranthene-d10	19.239	212	9902	0.167	ng	-0.01
31) Terphenyl-d14	19.833	244	7757	0.311	ng	-0.02
Target Compounds						
2) 1,4-Dioxane	3.283	88	26579	2.963	ng	98
6) bis(2-Chloroethyl)ether	7.219	93	544	0.022	ng	91
20) 4,6-Dinitro-2-methylph...	15.560	198	2	0.068	ng	# 1
34) Bis(2-ethylhexyl)phtha...	21.304	149	1067	0.062	ng	94

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

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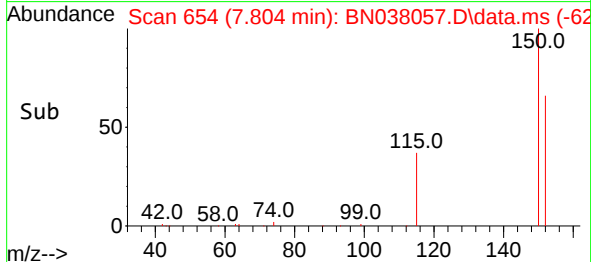
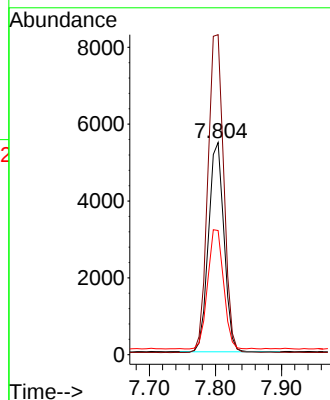
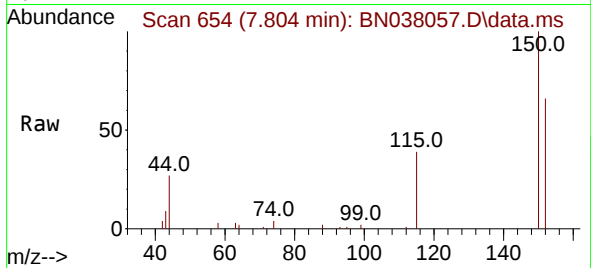




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.804 min Scan# 61
 Delta R.T. -0.021 min
 Lab File: BN038057.D
 Acq: 07 Oct 2025 21:46

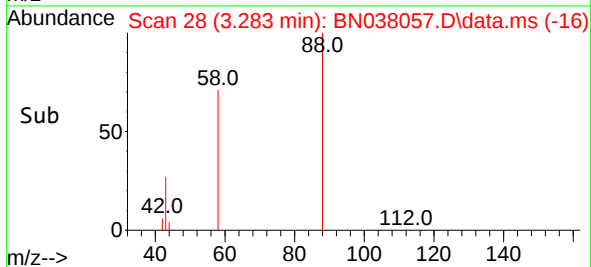
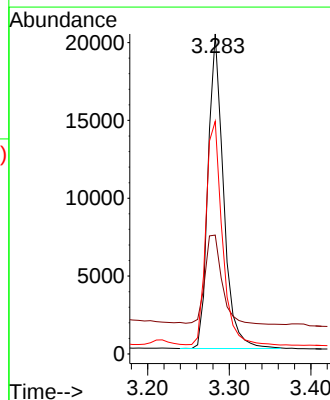
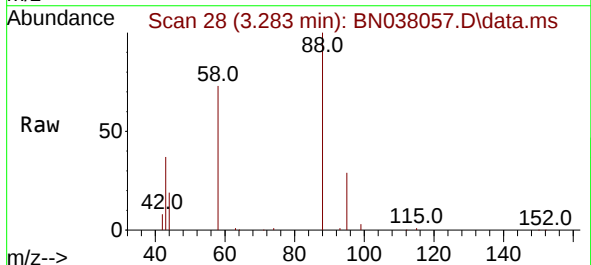
Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250926DL

Tgt Ion:152 Resp: 8836
 Ion Ratio Lower Upper
 152 100
 150 150.9 121.0 181.4
 115 58.5 47.4 71.0



#2
 1,4-Dioxane
 Concen: 2.963 ng
 RT: 3.283 min Scan# 28
 Delta R.T. -0.014 min
 Lab File: BN038057.D
 Acq: 07 Oct 2025 21:46

Tgt Ion: 88 Resp: 26579
 Ion Ratio Lower Upper
 88 100
 43 31.6 26.6 39.8
 58 75.1 58.9 88.3





#4

2-Fluorophenol

Concen: 0.071 ng

RT: 5.370 min Scan# 31

Delta R.T. -0.014 min

Lab File: BN038057.D

Acq: 07 Oct 2025 21:46

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250926DL

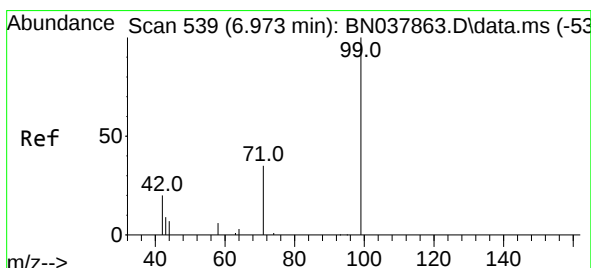
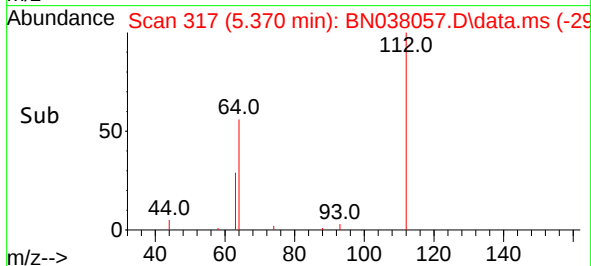
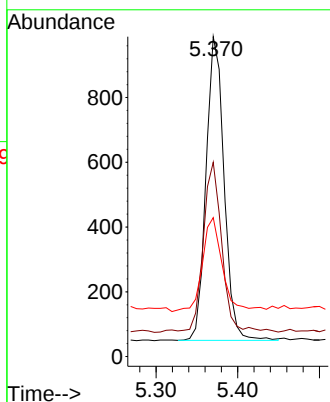
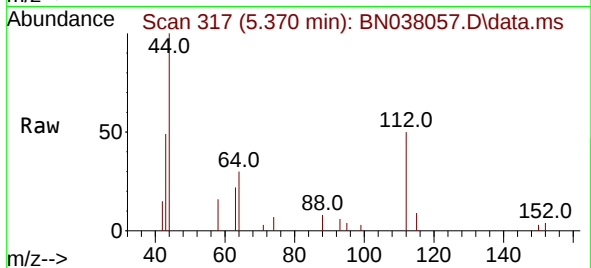
Tgt Ion:112 Resp: 1441

Ion Ratio Lower Upper

112 100

64 57.1 44.6 66.8

63 33.9 24.9 37.3



#5

Phenol-d6

Concen: 0.042 ng

RT: 6.959 min Scan# 537

Delta R.T. -0.014 min

Lab File: BN038057.D

Acq: 07 Oct 2025 21:46

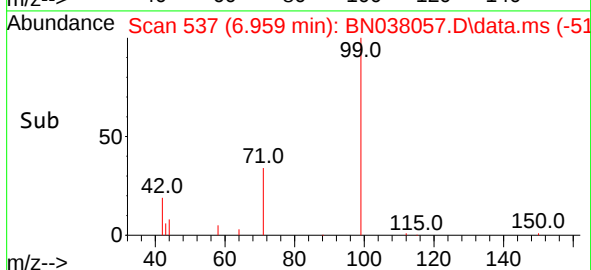
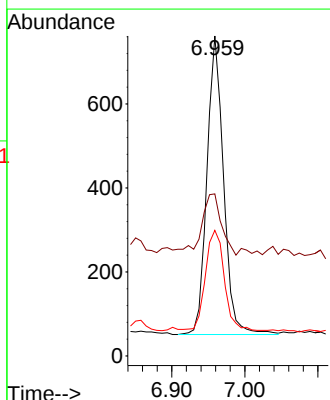
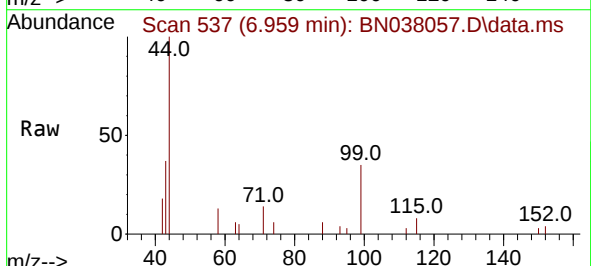
Tgt Ion: 99 Resp: 1123

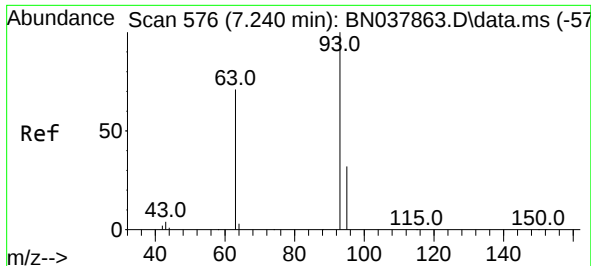
Ion Ratio Lower Upper

99 100

42 24.2 17.2 25.8

71 38.1 27.3 40.9

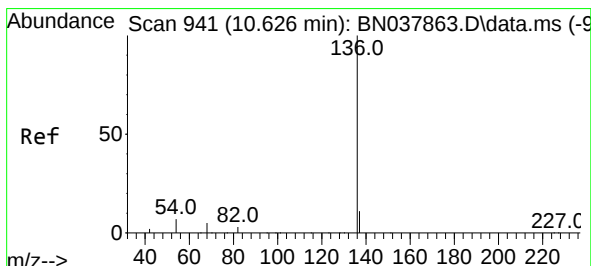
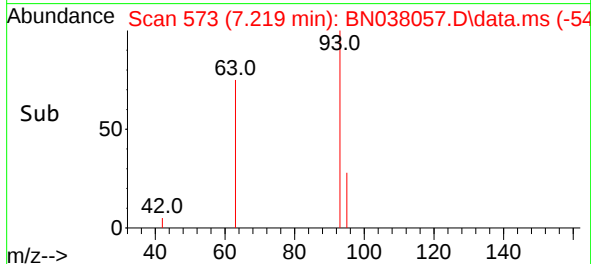
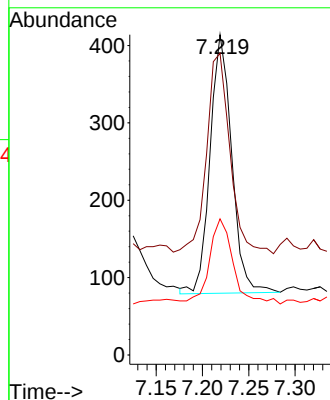
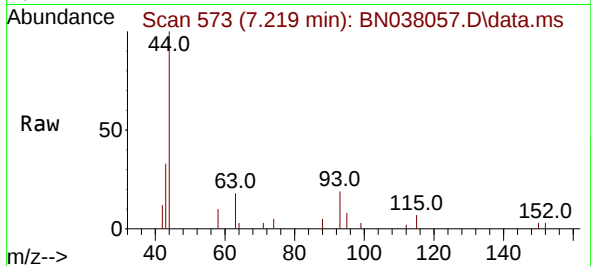




#6
bis(2-Chloroethyl)ether
Concen: 0.022 ng
RT: 7.219 min Scan# 51
Delta R.T. -0.022 min
Lab File: BN038057.D
Acq: 07 Oct 2025 21:46

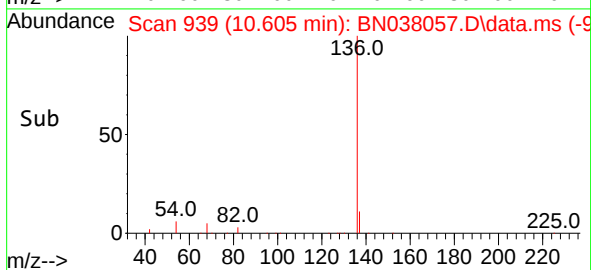
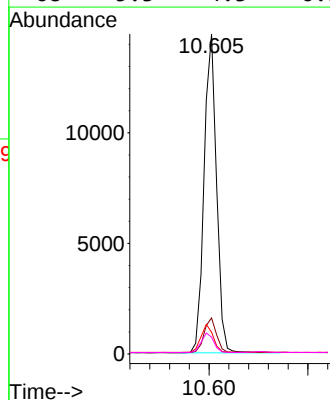
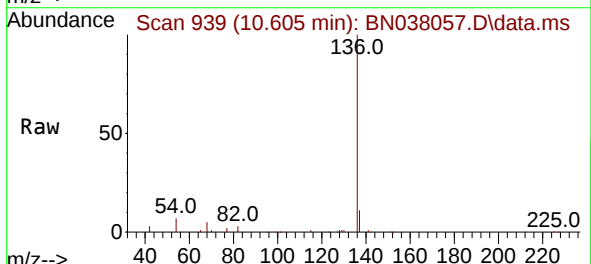
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250926DL

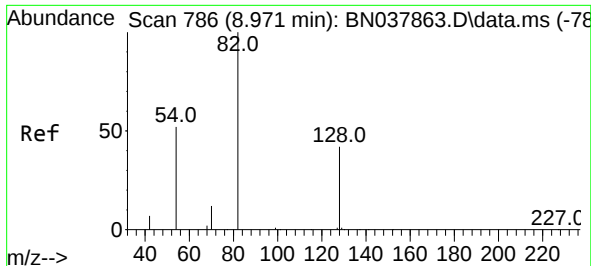
Tgt Ion: 93 Resp: 544
Ion Ratio Lower Upper
93 100
63 83.8 60.1 90.1
95 35.8 25.4 38.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.605 min Scan# 939
Delta R.T. -0.021 min
Lab File: BN038057.D
Acq: 07 Oct 2025 21:46

Tgt Ion: 136 Resp: 25148
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 6.8 5.8 8.8
68 5.3 4.3 6.5

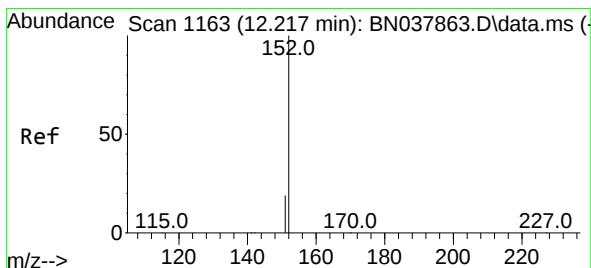
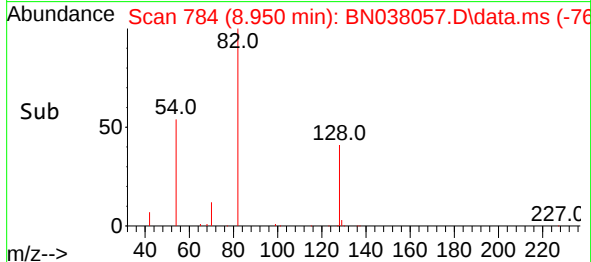
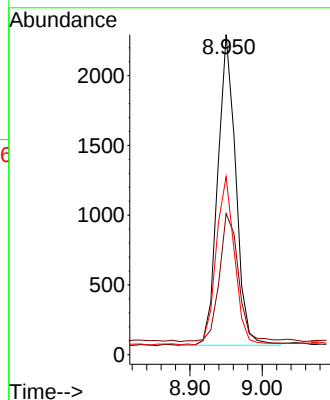
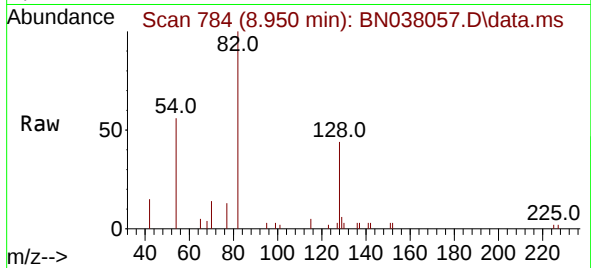




#8
Nitrobenzene-d5
Concen: 0.200 ng
RT: 8.950 min Scan# 71
Delta R.T. -0.021 min
Lab File: BN038057.D
Acq: 07 Oct 2025 21:46

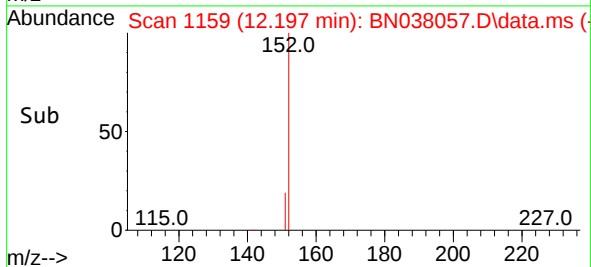
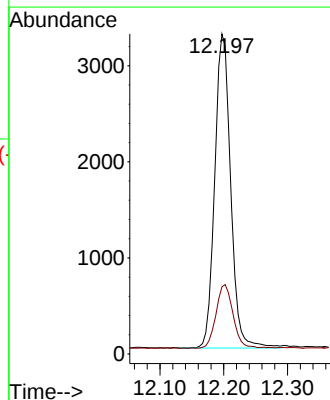
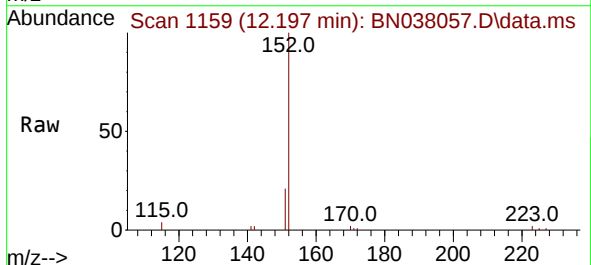
Instrument :
BNA_N
ClientSampleId :
RW5-SP100-20250926DL

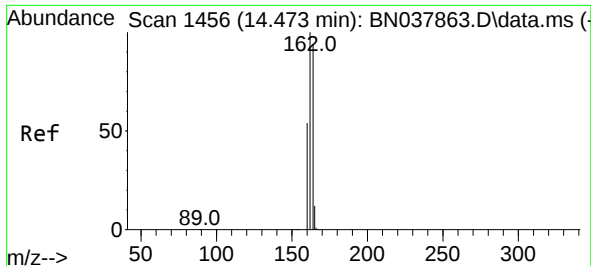
Tgt Ion: 82 Resp: 3842
Ion Ratio Lower Upper
82 100
128 44.1 34.8 52.2
54 55.6 42.2 63.2



#11
2-Methylnaphthalene-d10
Concen: 0.163 ng
RT: 12.197 min Scan# 1159
Delta R.T. -0.020 min
Lab File: BN038057.D
Acq: 07 Oct 2025 21:46

Tgt Ion: 152 Resp: 5687
Ion Ratio Lower Upper
152 100
151 21.7 17.4 26.2

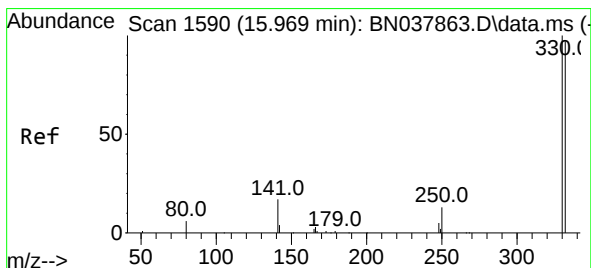
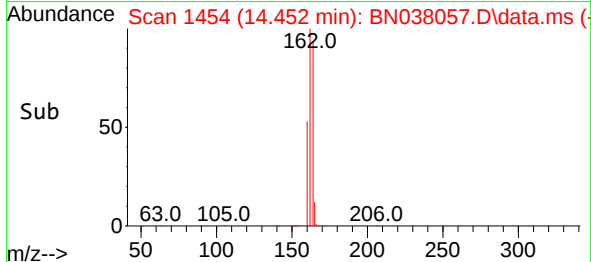
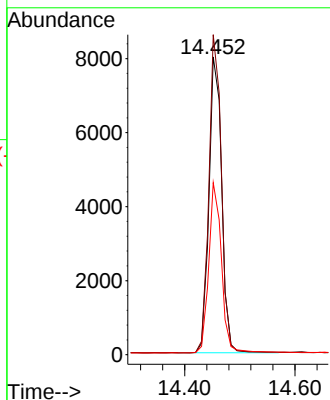
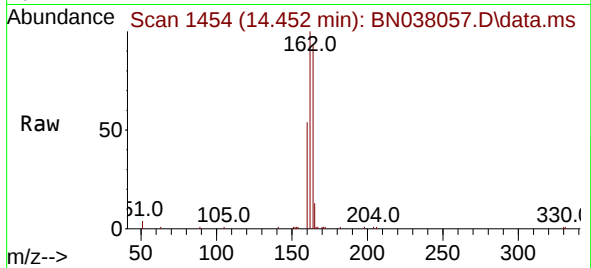




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.452 min Scan# 1456
 Delta R.T. -0.021 min
 Lab File: BN038057.D
 Acq: 07 Oct 2025 21:46

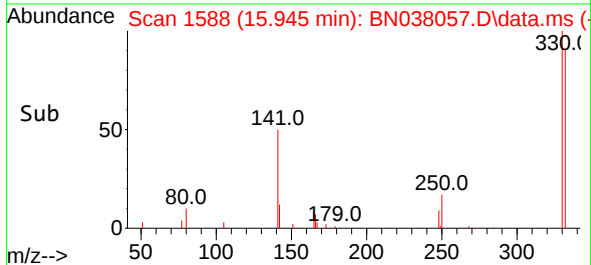
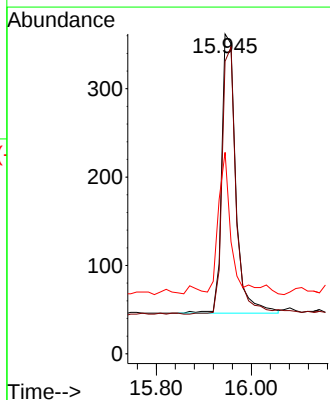
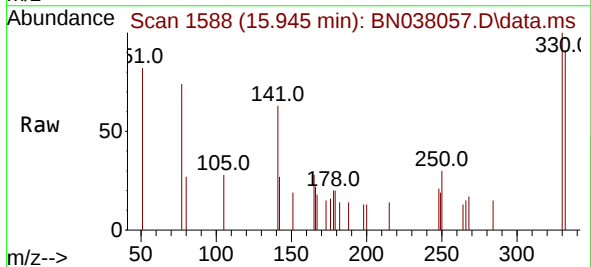
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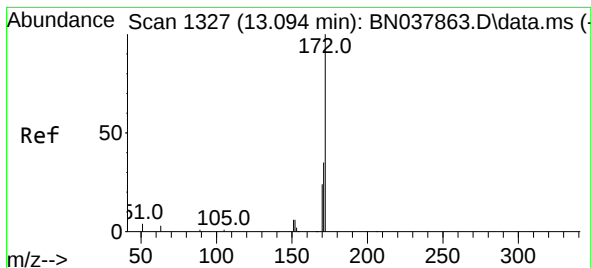
Tgt Ion:164 Resp: 12831
 Ion Ratio Lower Upper
 164 100
 162 107.5 84.8 127.2
 160 57.8 46.1 69.1



#14
 2,4,6-Tribromophenol
 Concen: 0.133 ng
 RT: 15.945 min Scan# 1588
 Delta R.T. -0.024 min
 Lab File: BN038057.D
 Acq: 07 Oct 2025 21:46

Tgt Ion:330 Resp: 648
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.2 115.8
 141 48.0 37.2 55.8





#15

2-Fluorobiphenyl

Concen: 0.199 ng

RT: 13.073 min Scan# 11

Delta R.T. -0.021 min

Lab File: BN038057.D

Acq: 07 Oct 2025 21:46

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250926DL

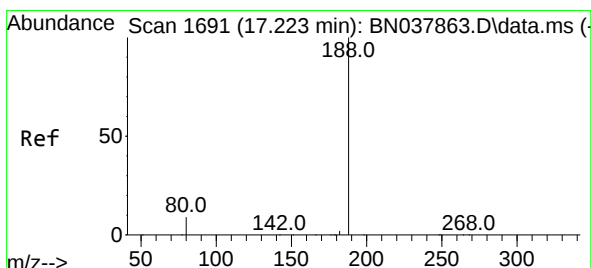
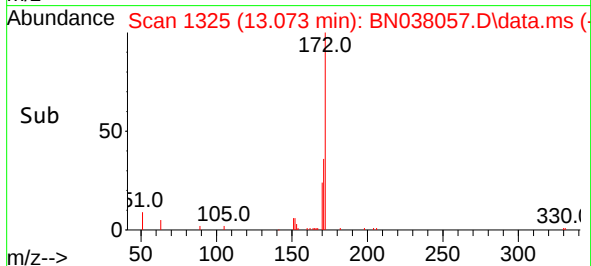
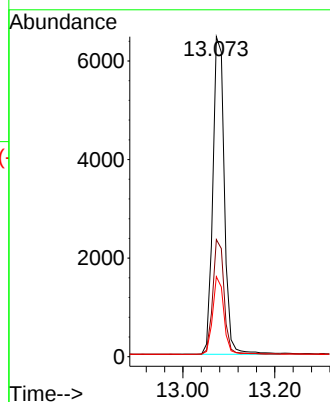
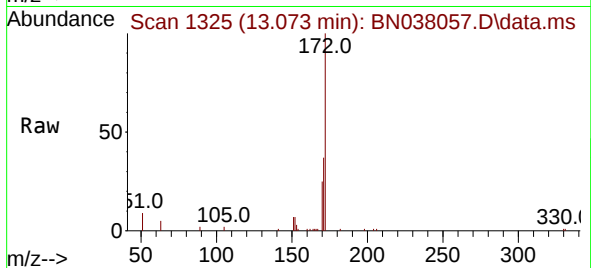
Tgt Ion:172 Resp: 10472

Ion Ratio Lower Upper

172 100

171 36.6 28.6 43.0

170 25.0 19.7 29.5



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.198 min Scan# 1689

Delta R.T. -0.025 min

Lab File: BN038057.D

Acq: 07 Oct 2025 21:46

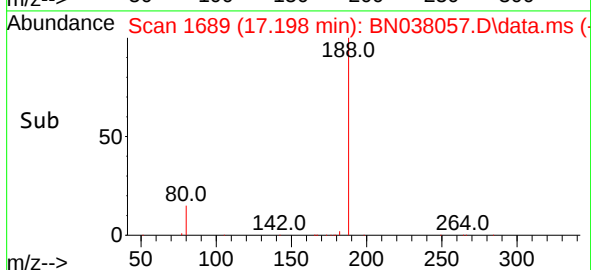
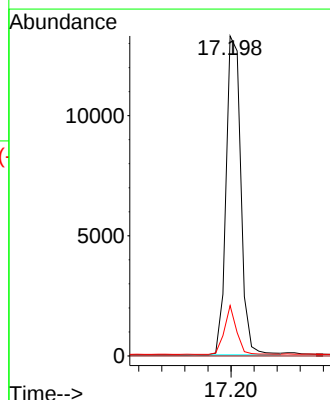
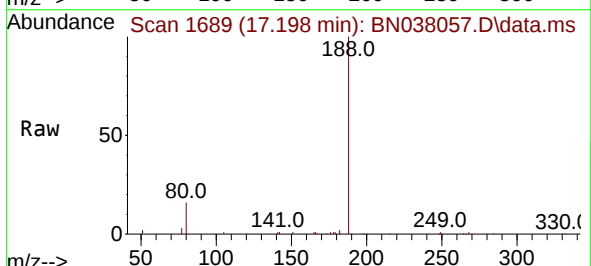
Tgt Ion:188 Resp: 23567

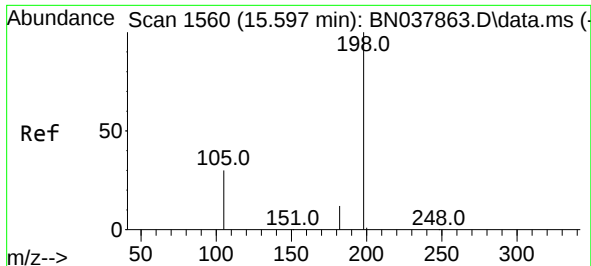
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.8 7.6 11.4#

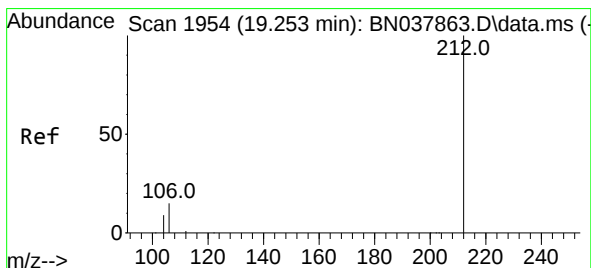
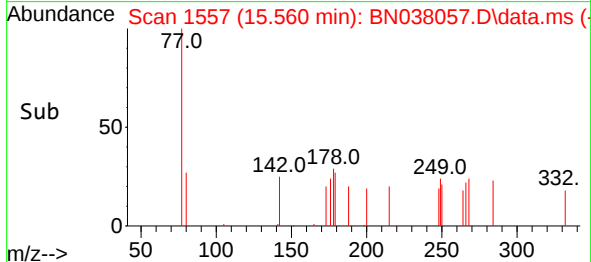
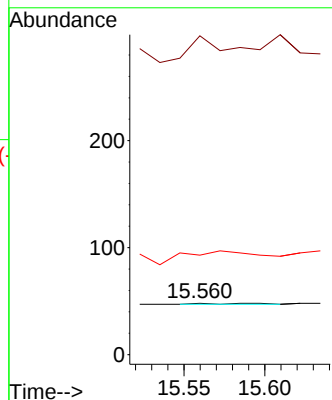
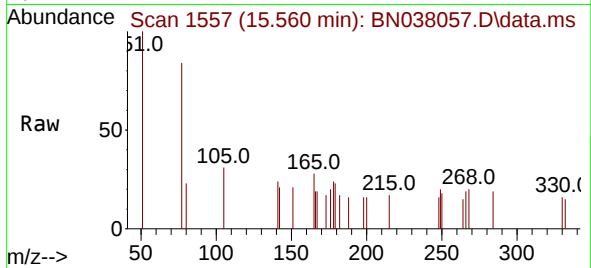




#20
4,6-Dinitro-2-methylphenol
Concen: 0.068 ng
RT: 15.560 min Scan# 11
Delta R.T. -0.037 min
Lab File: BN038057.D
Acq: 07 Oct 2025 21:46

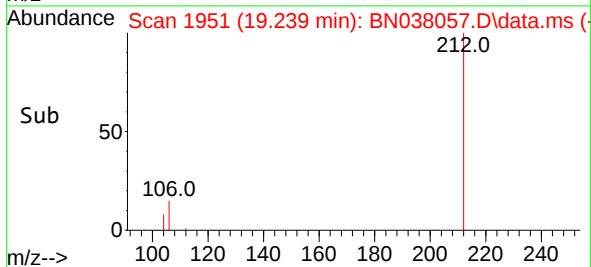
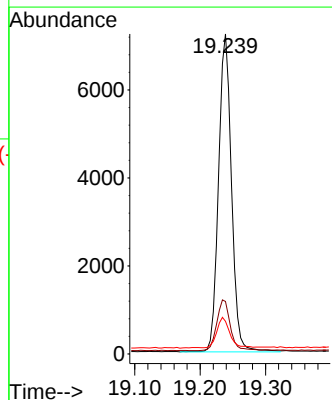
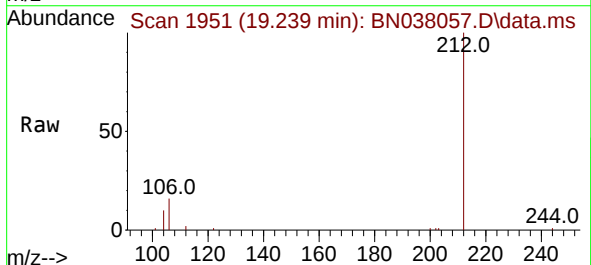
Instrument :
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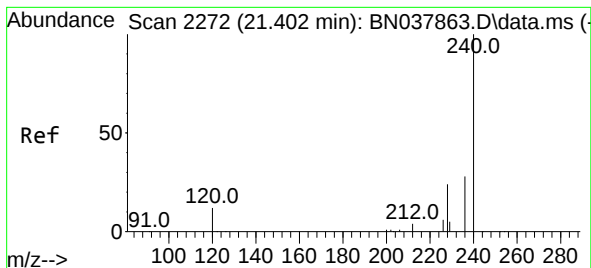
Tgt Ion:198 Resp: 2
Ion Ratio Lower Upper
198 100
51 620.8 59.1 88.7#
105 193.8 41.3 61.9#



#27
Fluoranthene-d10
Concen: 0.167 ng
RT: 19.239 min Scan# 1951
Delta R.T. -0.014 min
Lab File: BN038057.D
Acq: 07 Oct 2025 21:46

Tgt Ion:212 Resp: 9902
Ion Ratio Lower Upper
212 100
106 16.7 12.6 19.0
104 9.6 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: BN038057.D

Acq: 07 Oct 2025 21:46

Instrument :

BNA_N

ClientSampleId :

RW5-SP100-20250926DL

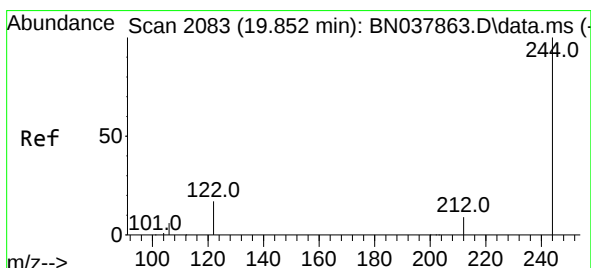
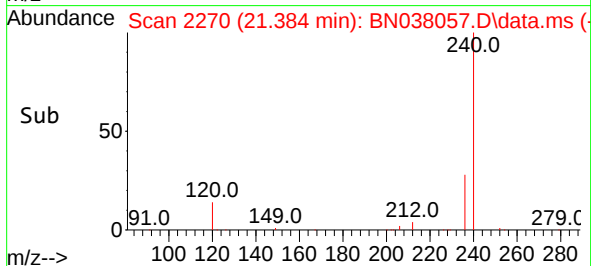
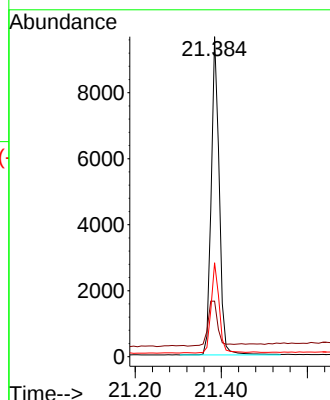
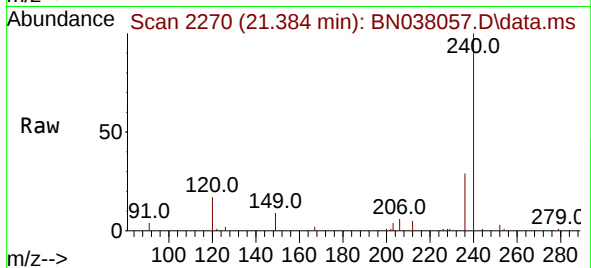
Tgt Ion:240 Resp: 12529

Ion Ratio Lower Upper

240 100

120 17.4 11.4 17.2#

236 29.4 23.0 34.6



#31

Terphenyl-d14

Concen: 0.311 ng

RT: 19.833 min Scan# 2079

Delta R.T. -0.019 min

Lab File: BN038057.D

Acq: 07 Oct 2025 21:46

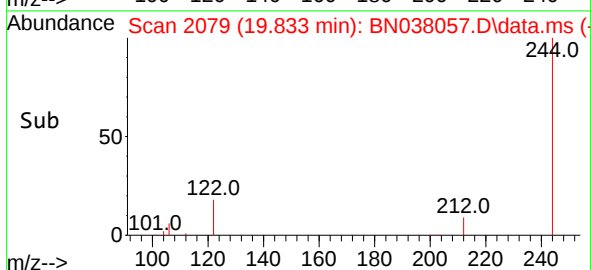
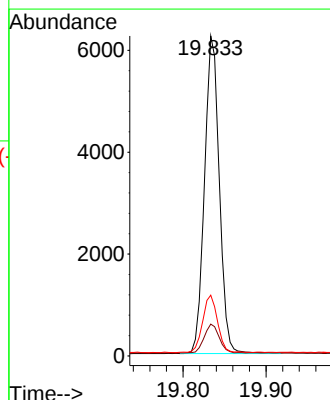
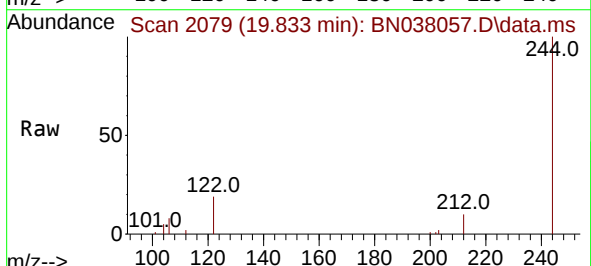
Tgt Ion:244 Resp: 7757

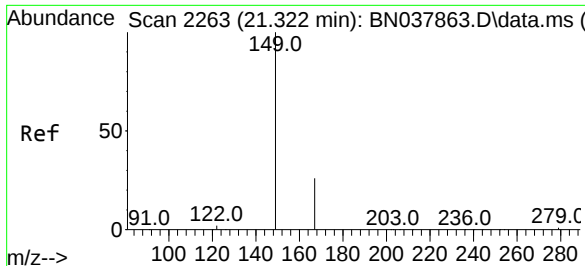
Ion Ratio Lower Upper

244 100

212 10.0 7.6 11.4

122 19.0 13.9 20.9

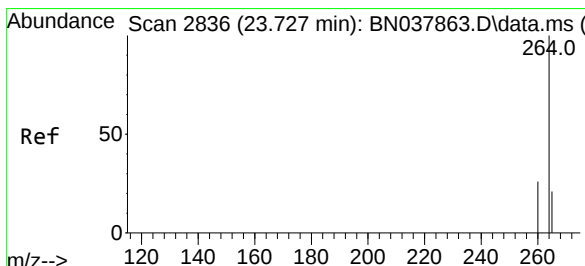
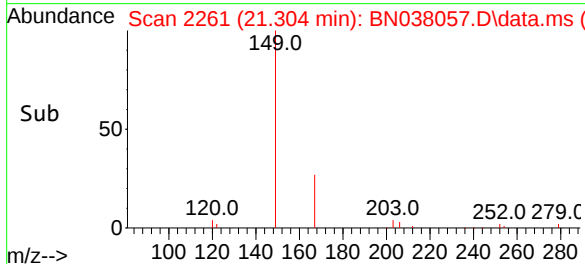
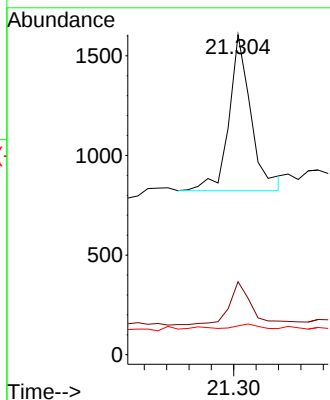
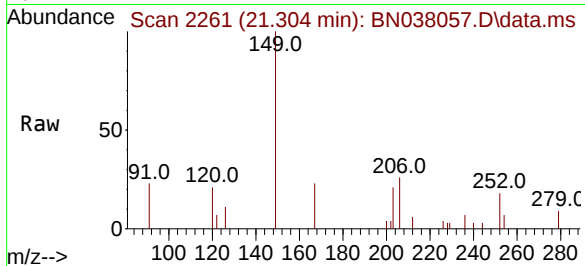




#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.062 ng
 RT: 21.304 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BN038057.D
 Acq: 07 Oct 2025 21:46

Instrument :
 BNA_N
 ClientSampleId :
 RW5-SP100-20250926DL

Tgt Ion:149	Resp:	1067
Ion Ratio	Lower	Upper
149	100	
167	28.7	20.4 30.6
279	2.8	2.4 3.6



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.704 min Scan# 2828
 Delta R.T. -0.023 min
 Lab File: BN038057.D
 Acq: 07 Oct 2025 21:46

Tgt Ion:264	Resp:	11024
Ion Ratio	Lower	Upper
264	100	
260	27.5	21.5 32.3
265	98.8	53.8 80.6#

