

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121625\
 Data File : BN038455.D
 Acq On : 16 Dec 2025 23:35
 Operator : RC/JU
 Sample : Q3849-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-57.5-121125-FD

Quant Time: Dec 17 03:11:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 10 13:56:50 2025
 Response via : Initial Calibration

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

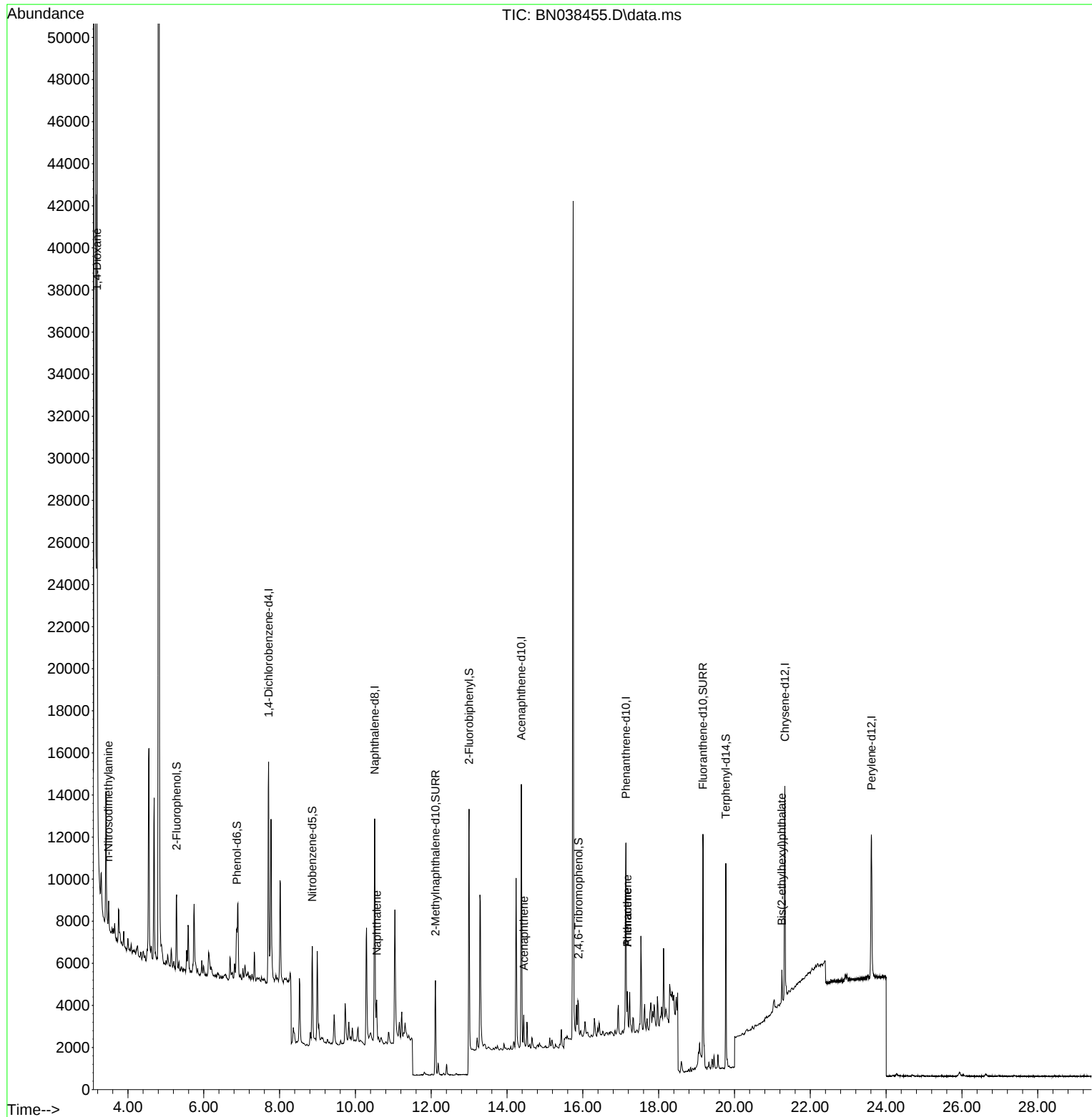
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	5051	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	13613	0.400	ng	#-0.02
13) Acenaphthene-d10	14.377	164	6740	0.400	ng	-0.02
19) Phenanthrene-d10	17.136	188	12271	0.400	ng	-0.01
29) Chrysene-d12	21.331	240	9572	0.400	ng	# 0.00
35) Perylene-d12	23.610	264	9730	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	2211	0.176	ng	0.00
5) Phenol-d6	6.872	99	1666	0.111	ng	-0.01
8) Nitrobenzene-d5	8.865	82	4167	0.363	ng	-0.01
11) 2-Methylnaphthalene-d10	12.111	152	6210	0.323	ng	-0.02
14) 2,4,6-Tribromophenol	15.883	330	1014	0.339	ng	-0.01
15) 2-Fluorobiphenyl	12.998	172	15494	0.477	ng	-0.01
27) Fluoranthene-d10	19.169	212	11269	0.371	ng	-0.02
31) Terphenyl-d14	19.773	244	8643	0.405	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.182	88	22341	3.858	ng	# 88
3) n-Nitrosodimethylamine	3.485	42	153	0.021	ng	# 1
9) Naphthalene	10.562	128	2272	0.056	ng	# 90
17) Acenaphthene	14.441	154	667	0.029	ng	90
25) Phenanthrene	17.173	178	1960	0.046	ng	99
26) Anthracene	17.173	178	1969	0.053	ng	99
34) Bis(2-ethylhexyl)phtha...	21.250	149	1500	0.074	ng	# 97

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

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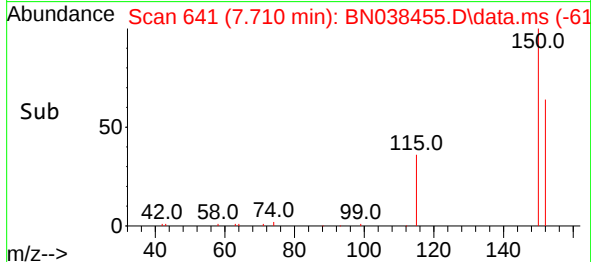
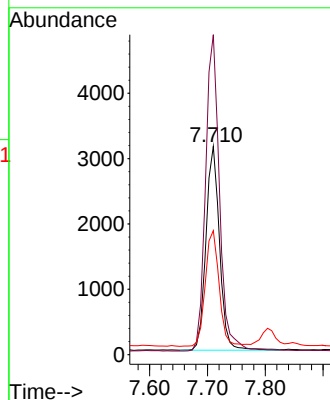
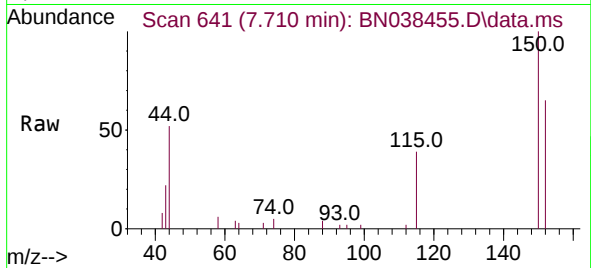




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.014 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

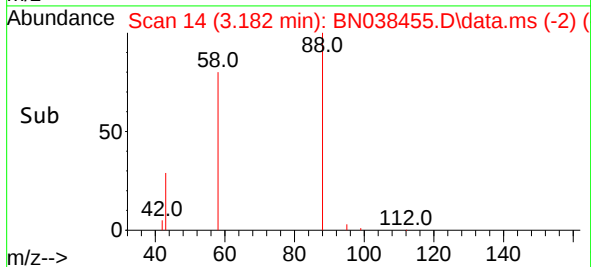
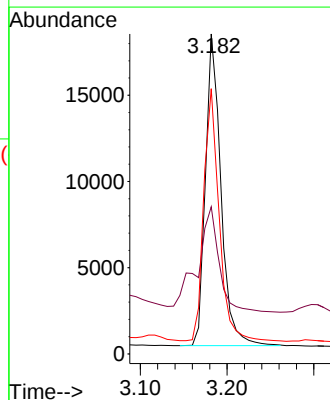
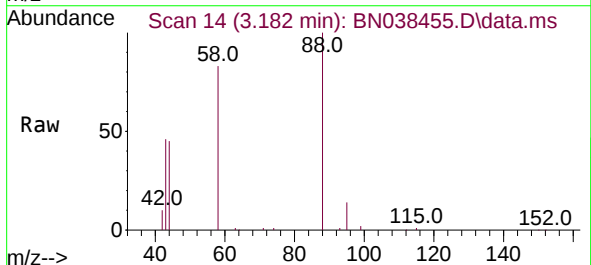
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125-FD

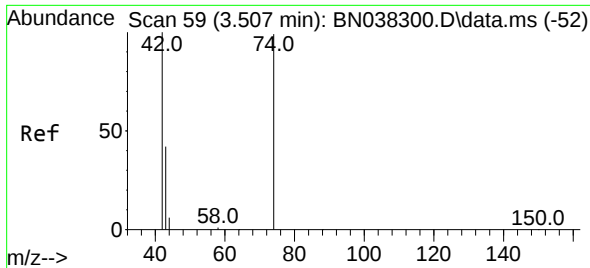
Tgt Ion:152 Resp: 5051
Ion Ratio Lower Upper
152 100
150 153.6 122.4 183.6
115 59.5 47.3 70.9



#2
1,4-Dioxane
Concen: 3.858 ng
RT: 3.182 min Scan# 14
Delta R.T. -0.014 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

Tgt Ion: 88 Resp: 22341
Ion Ratio Lower Upper
88 100
43 48.8 24.9 37.3#
58 79.8 61.4 92.0

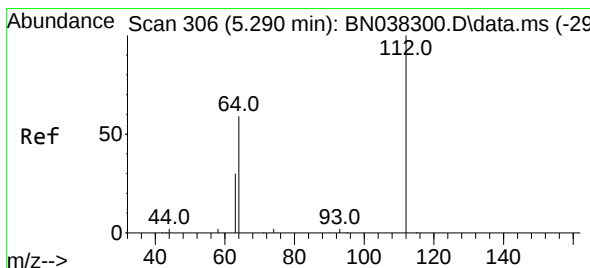
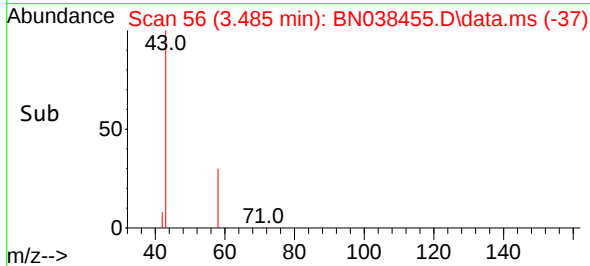
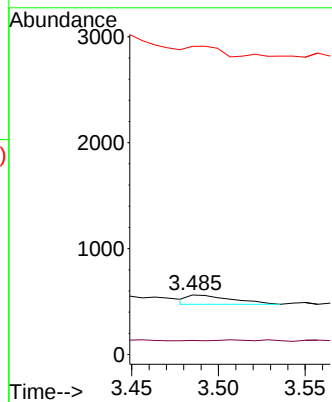
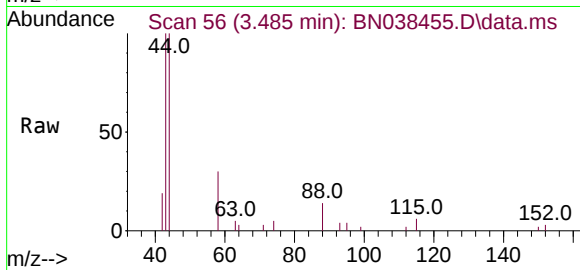




#3
 n-Nitrosodimethylamine
 Concen: 0.021 ng
 RT: 3.485 min Scan# 50
 Delta R.T. -0.014 min
 Lab File: BN038455.D
 Acq: 16 Dec 2025 23:35

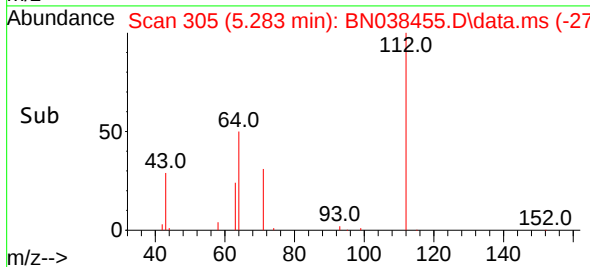
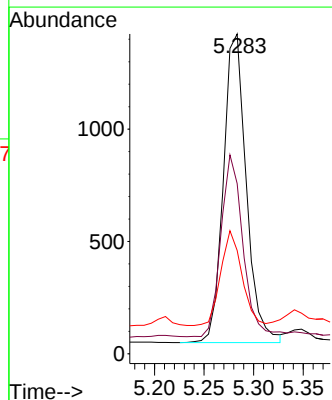
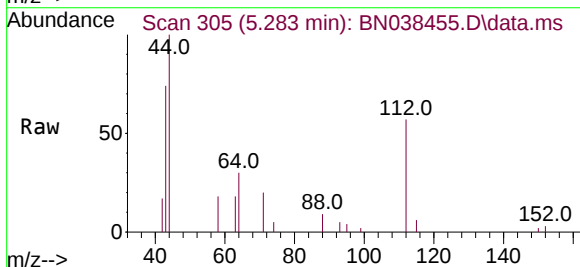
Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-57.5-121125-FD

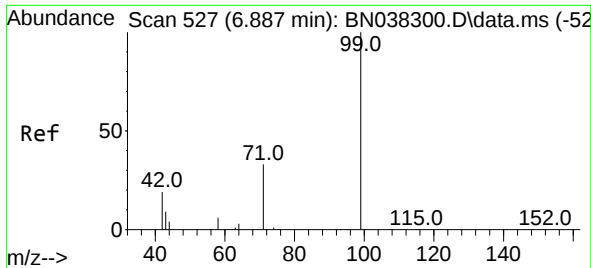
Tgt Ion: 42 Resp: 153
 Ion Ratio Lower Upper
 42 100
 74 0.0 95.3 142.9#
 44 0.0 7.9 11.9#



#4
 2-Fluorophenol
 Concen: 0.176 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038455.D
 Acq: 16 Dec 2025 23:35

Tgt Ion: 112 Resp: 2211
 Ion Ratio Lower Upper
 112 100
 64 59.8 44.4 66.6
 63 29.0 23.4 35.0

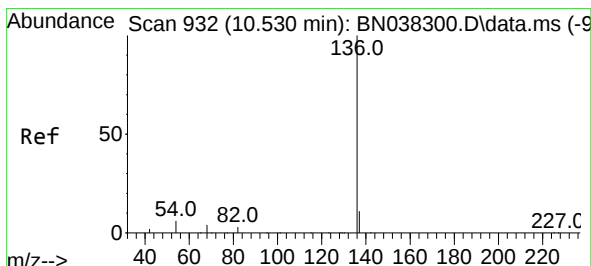
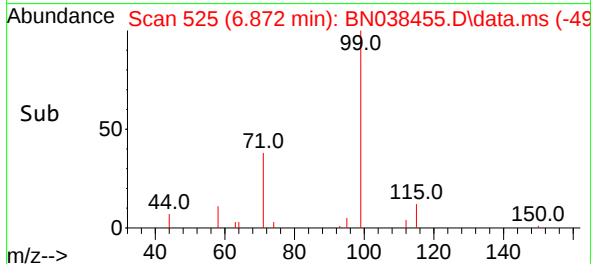
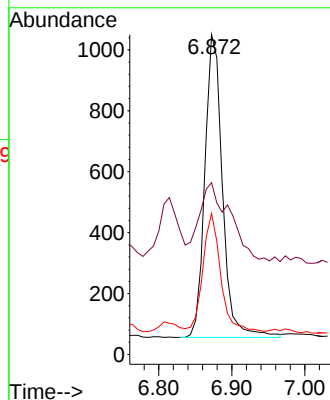
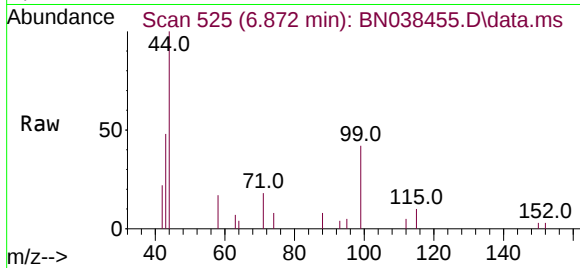




#5
Phenol-d6
Concen: 0.111 ng
RT: 6.872 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

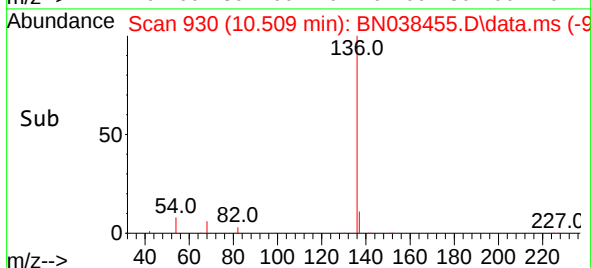
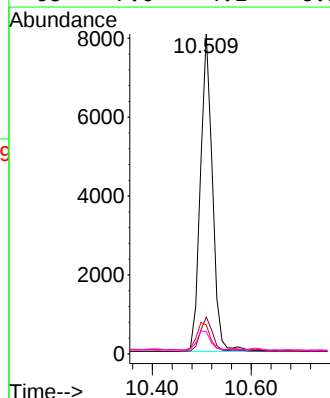
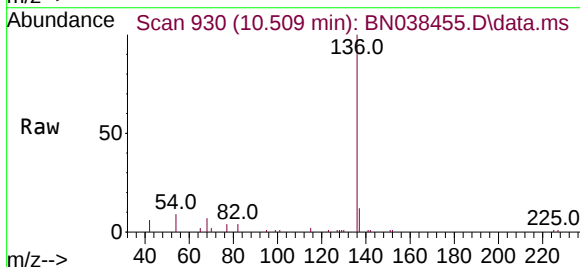
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125-FD

Tgt Ion: 99 Resp: 1666
Ion Ratio Lower Upper
99 100
42 45.7 16.5 24.7#
71 40.3 24.9 37.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

Tgt Ion: 136 Resp: 13613
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 9.1 5.2 7.8#
68 7.0 4.1 6.1#

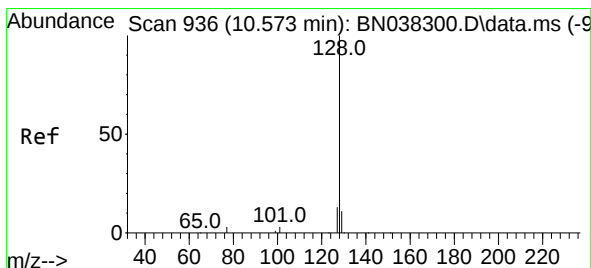
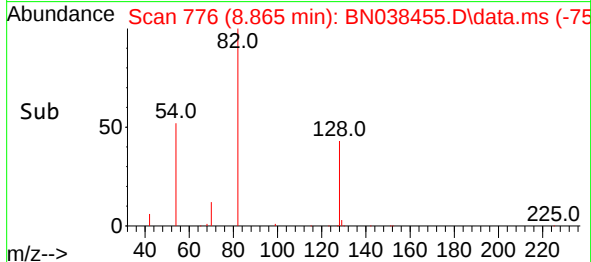
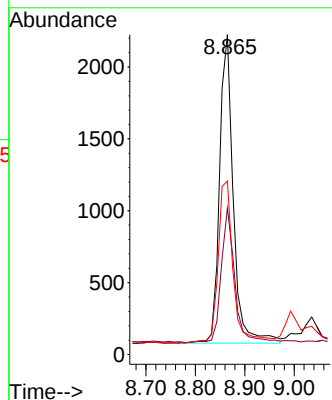
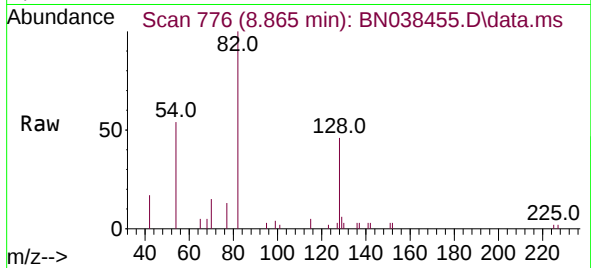




#8
 Nitrobenzene-d5
 Concen: 0.363 ng
 RT: 8.865 min Scan# 71
 Delta R.T. -0.011 min
 Lab File: BN038455.D
 Acq: 16 Dec 2025 23:35

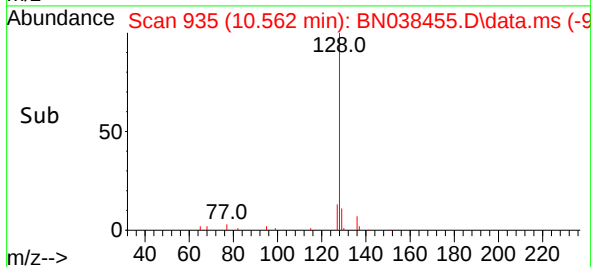
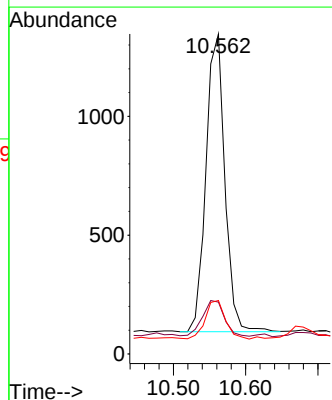
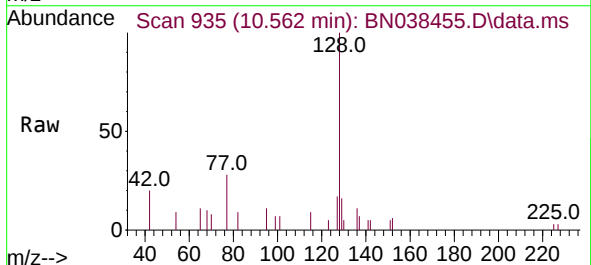
Instrument :
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 MW-18B-57.5-121125-FD

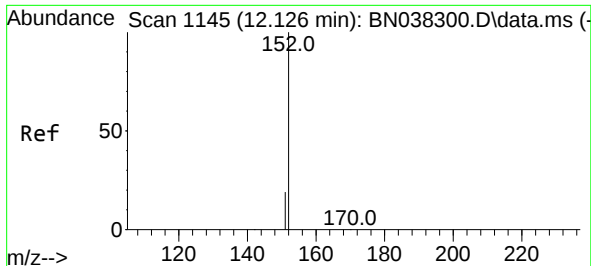
Tgt Ion:	82	Resp:	4167
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.0	51.0
54	54.2	44.4	66.6



#9
 Naphthalene
 Concen: 0.056 ng
 RT: 10.562 min Scan# 935
 Delta R.T. -0.011 min
 Lab File: BN038455.D
 Acq: 16 Dec 2025 23:35

Tgt Ion:	128	Resp:	2272
Ion	Ratio	Lower	Upper
128	100		
129	16.2	9.1	13.7#
127	16.7	10.9	16.3#

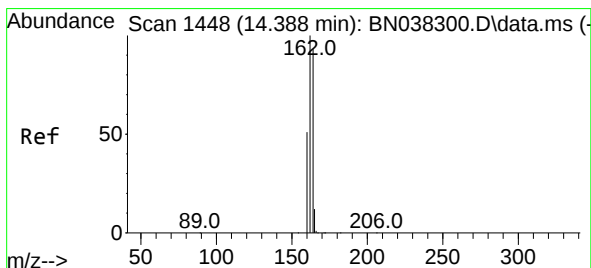
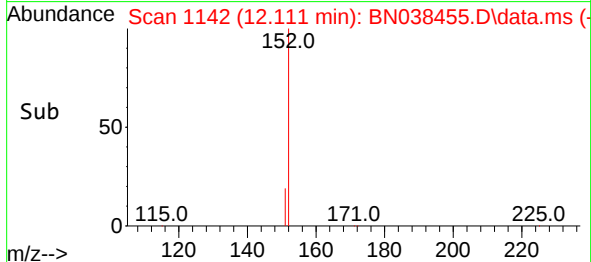
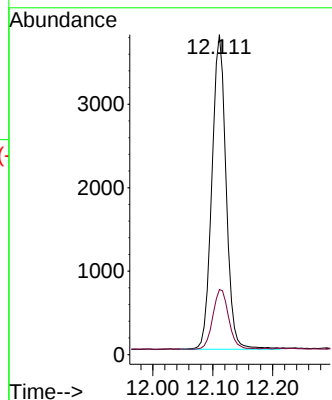
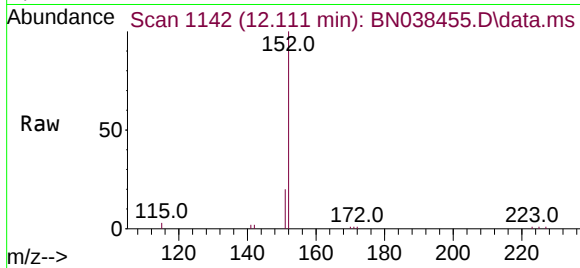




#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.111 min Scan# 1142
Delta R.T. -0.015 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

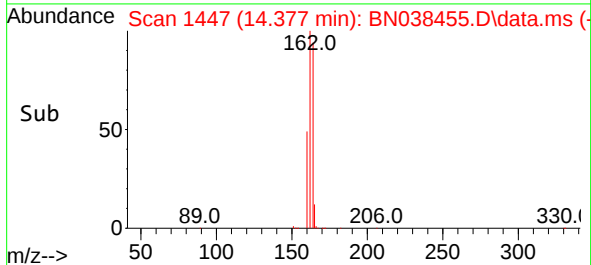
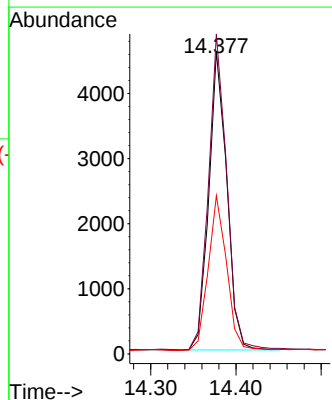
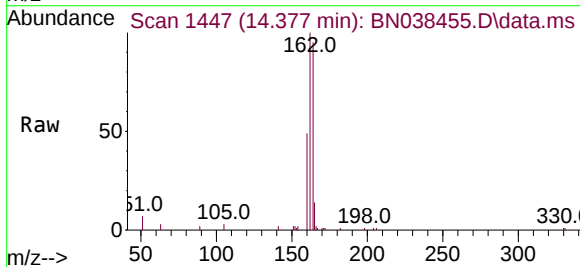
Instrument : BNA_N
ClientSampleId : MW-18B-57.5-121125-FD

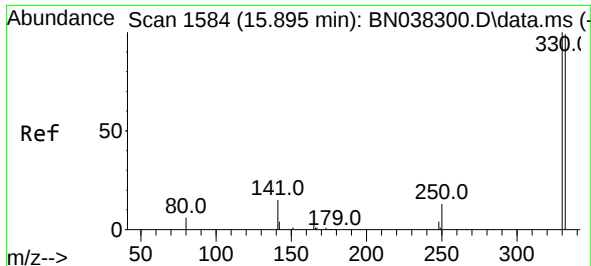
Tgt Ion:152 Resp: 6210
Ion Ratio Lower Upper
152 100
151 21.3 17.0 25.6



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.377 min Scan# 1447
Delta R.T. -0.021 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

Tgt Ion:164 Resp: 6740
Ion Ratio Lower Upper
164 100
162 105.7 86.2 129.4
160 52.3 44.6 67.0

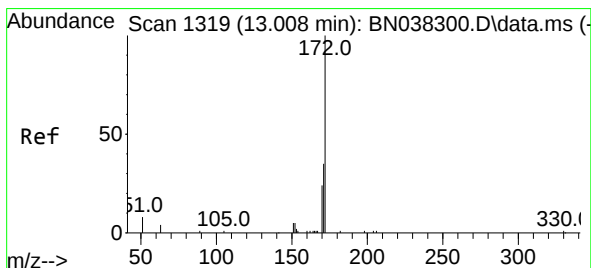
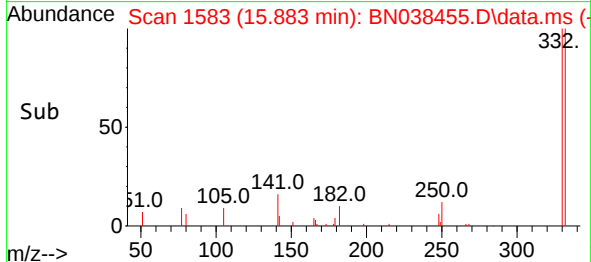
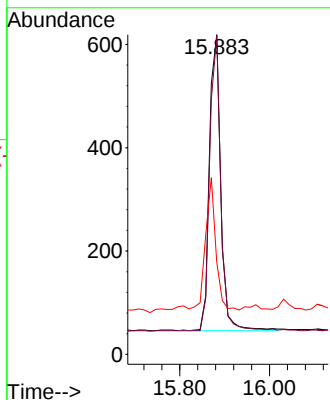
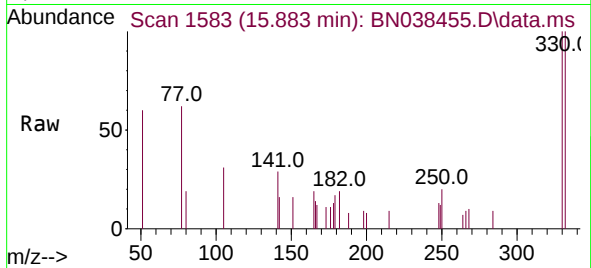




#14
2,4,6-Tribromophenol
Concen: 0.339 ng
RT: 15.883 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

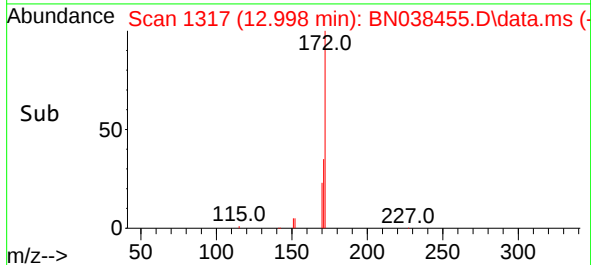
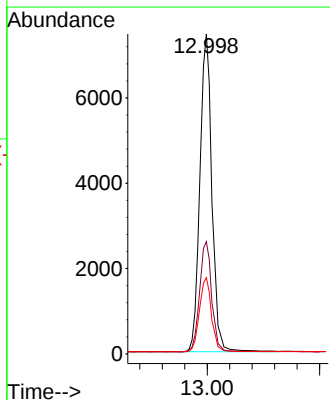
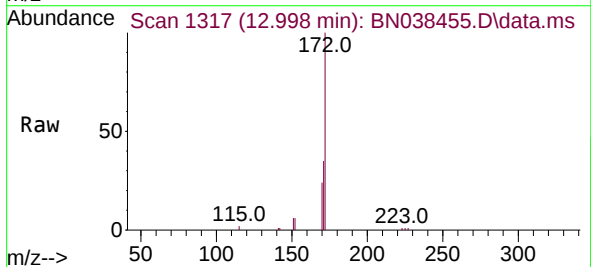
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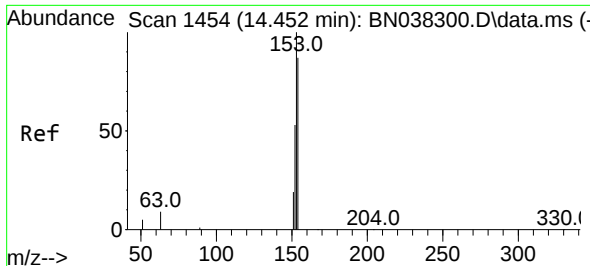
Tgt Ion:330 Resp: 1014
Ion Ratio Lower Upper
330 100
332 96.4 75.8 113.6
141 40.8 31.8 47.8



#15
2-Fluorobiphenyl
Concen: 0.477 ng
RT: 12.998 min Scan# 1317
Delta R.T. -0.010 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

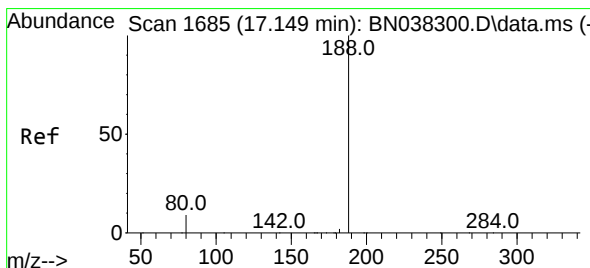
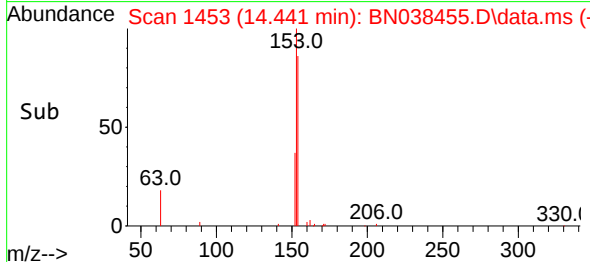
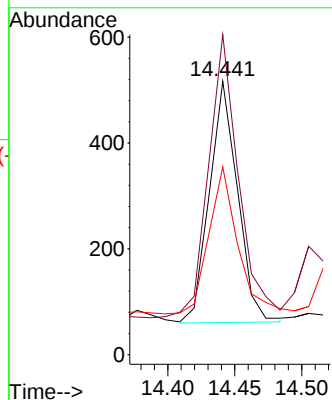
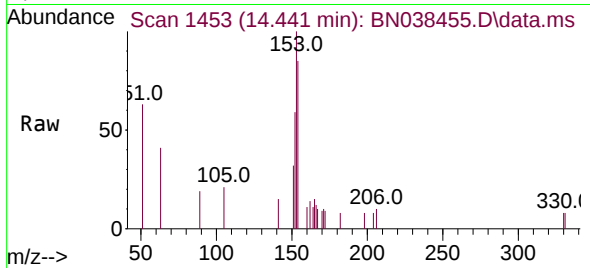
Tgt Ion:172 Resp: 15494
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 23.8 19.3 28.9





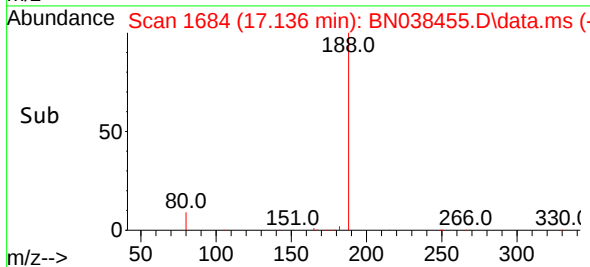
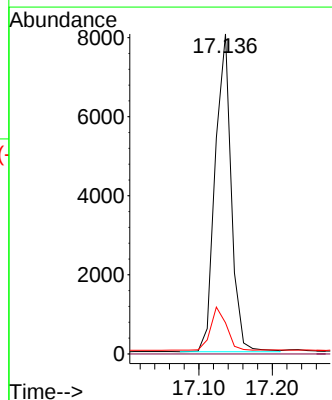
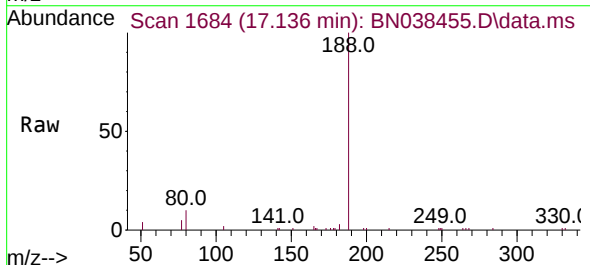
#17
Acenaphthene
Concen: 0.029 ng
RT: 14.441 min Scan# 14
Delta R.T. -0.021 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

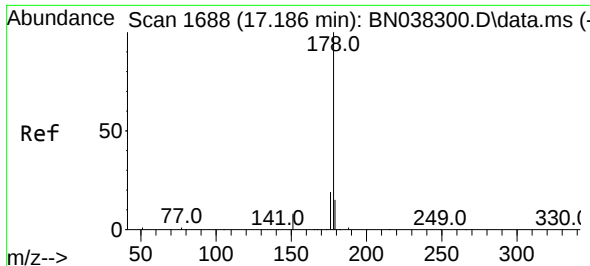
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125-FD



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

Tgt Ion:188	Resp:	12271	
Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	7.4	11.0

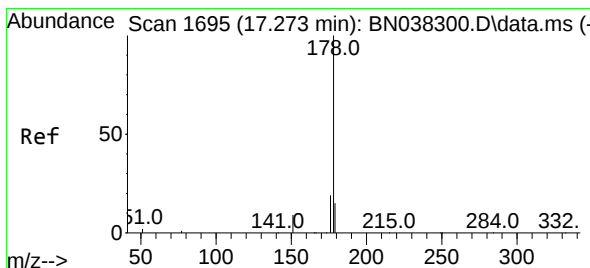
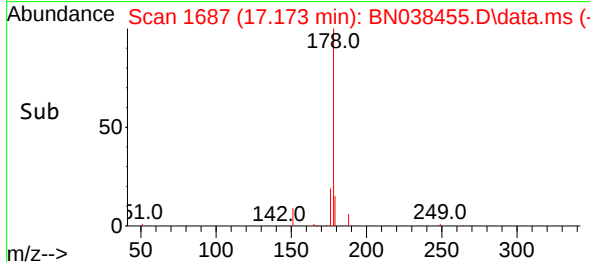
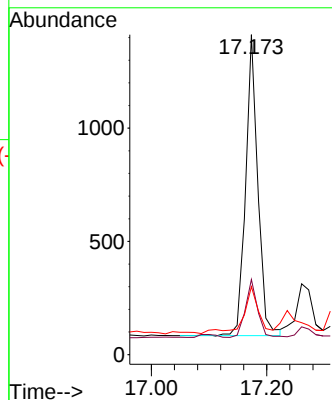
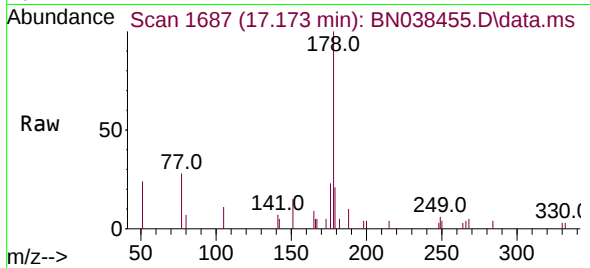




#25
Phenanthrene
Concen: 0.046 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

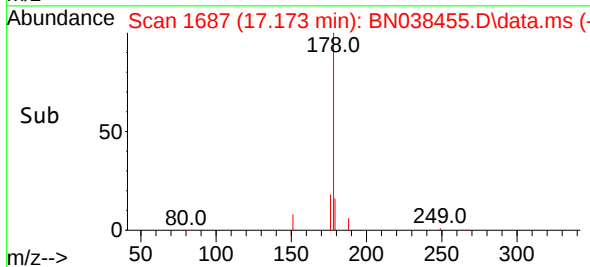
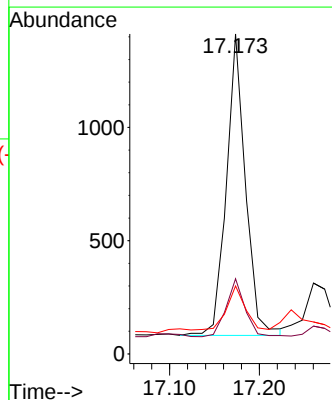
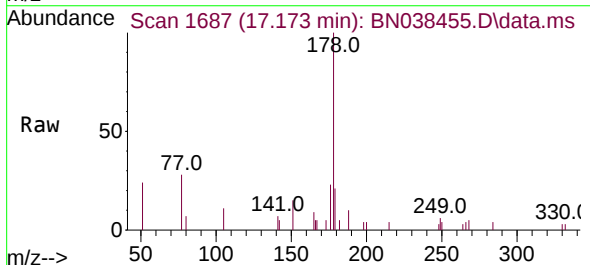
Instrument :
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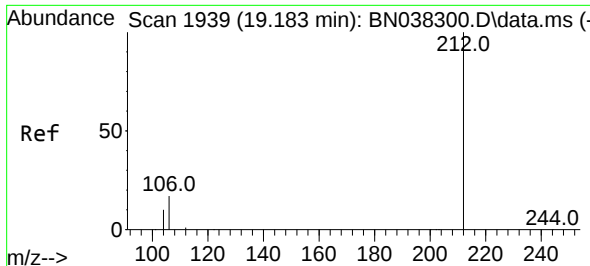
Tgt Ion:	178	Resp:	1960
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.5	23.3
179	15.7	12.2	18.2



#26
Anthracene
Concen: 0.053 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.112 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

Tgt Ion:	178	Resp:	1969
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	13.9	12.0	18.0

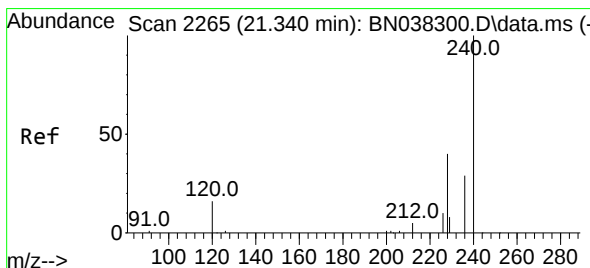
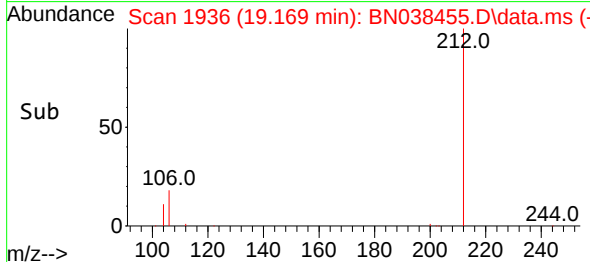
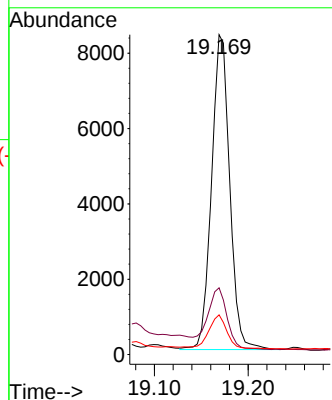
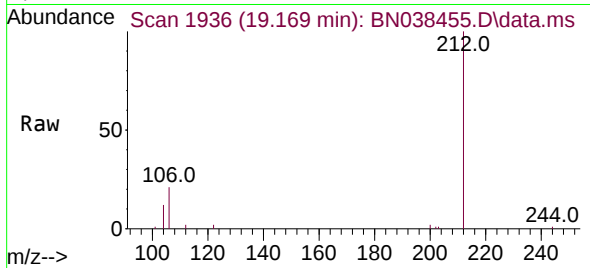




#27
Fluoranthene-d10
Concen: 0.371 ng
RT: 19.169 min Scan# 1936
Delta R.T. -0.019 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

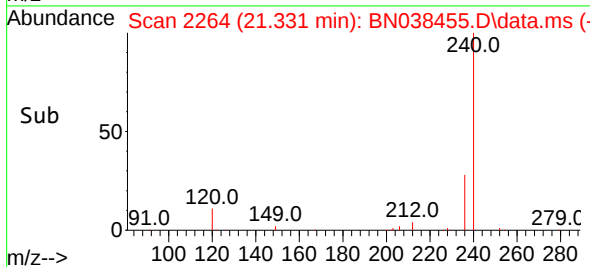
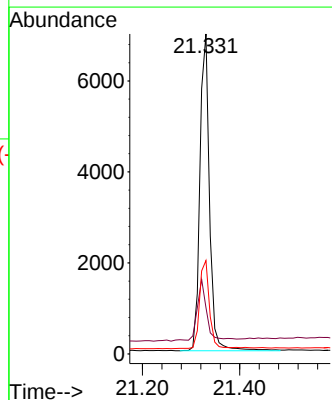
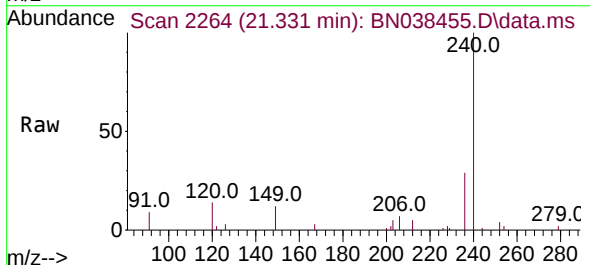
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125-FD

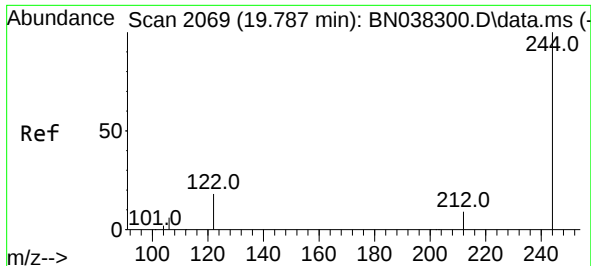
Tgt Ion:212 Resp: 11269
Ion Ratio Lower Upper
212 100
106 21.6 13.7 20.5#
104 11.1 7.8 11.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

Tgt Ion:240 Resp: 9572
Ion Ratio Lower Upper
240 100
120 14.5 15.4 23.2#
236 29.2 23.9 35.9

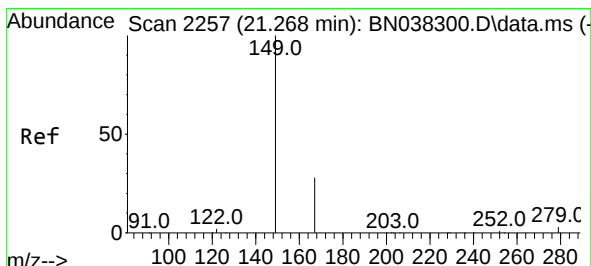
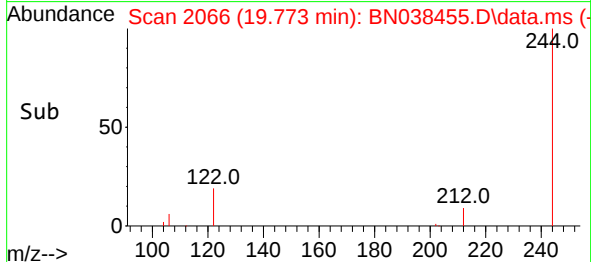
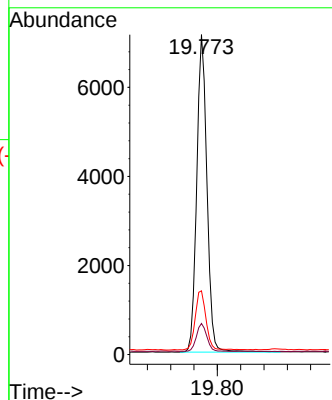
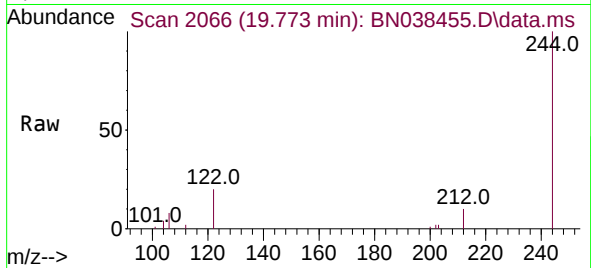




#31
 Terphenyl-d14
 Concen: 0.405 ng
 RT: 19.773 min Scan# 2066
 Delta R.T. -0.019 min
 Lab File: BN038455.D
 Acq: 16 Dec 2025 23:35

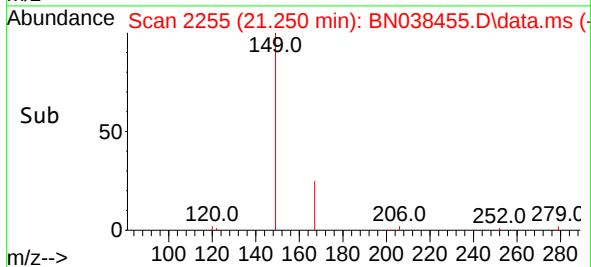
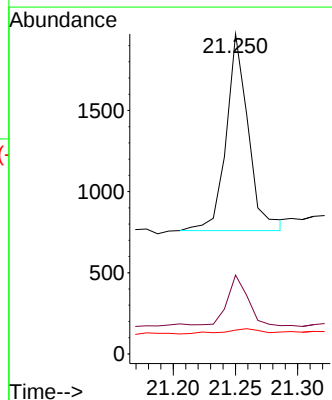
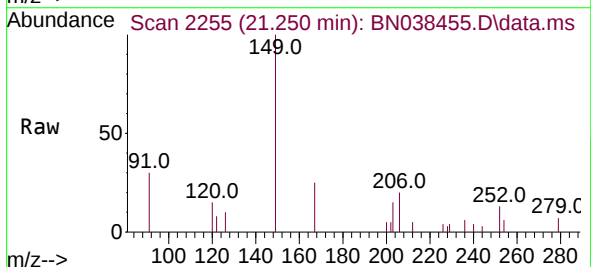
Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-57.5-121125-FD

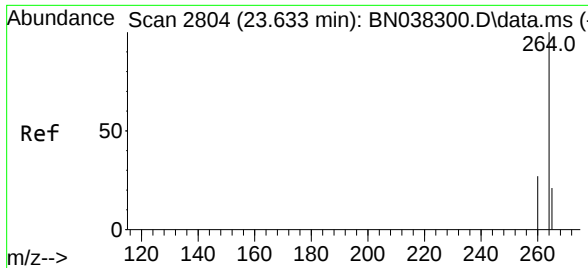
Tgt Ion:244 Resp: 8643
 Ion Ratio Lower Upper
 244 100
 212 9.7 7.9 11.9
 122 19.9 15.0 22.6



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.074 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.018 min
 Lab File: BN038455.D
 Acq: 16 Dec 2025 23:35

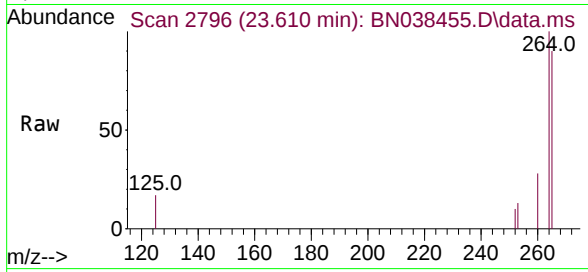
Tgt Ion:149 Resp: 1500
 Ion Ratio Lower Upper
 149 100
 167 25.3 21.4 32.0
 279 4.7 2.4 3.6





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.610 min Scan# 21
Delta R.T. -0.023 min
Lab File: BN038455.D
Acq: 16 Dec 2025 23:35

Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125-FD



Tgt Ion:264 Resp: 9730

Ion	Ratio	Lower	Upper
264	100		
260	27.5	22.2	33.2
265	89.6	80.2	120.2

