

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121625\
 Data File : BN038454.D
 Acq On : 16 Dec 2025 22:59
 Operator : RC/JU
 Sample : Q3849-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 17 02:58:05 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)

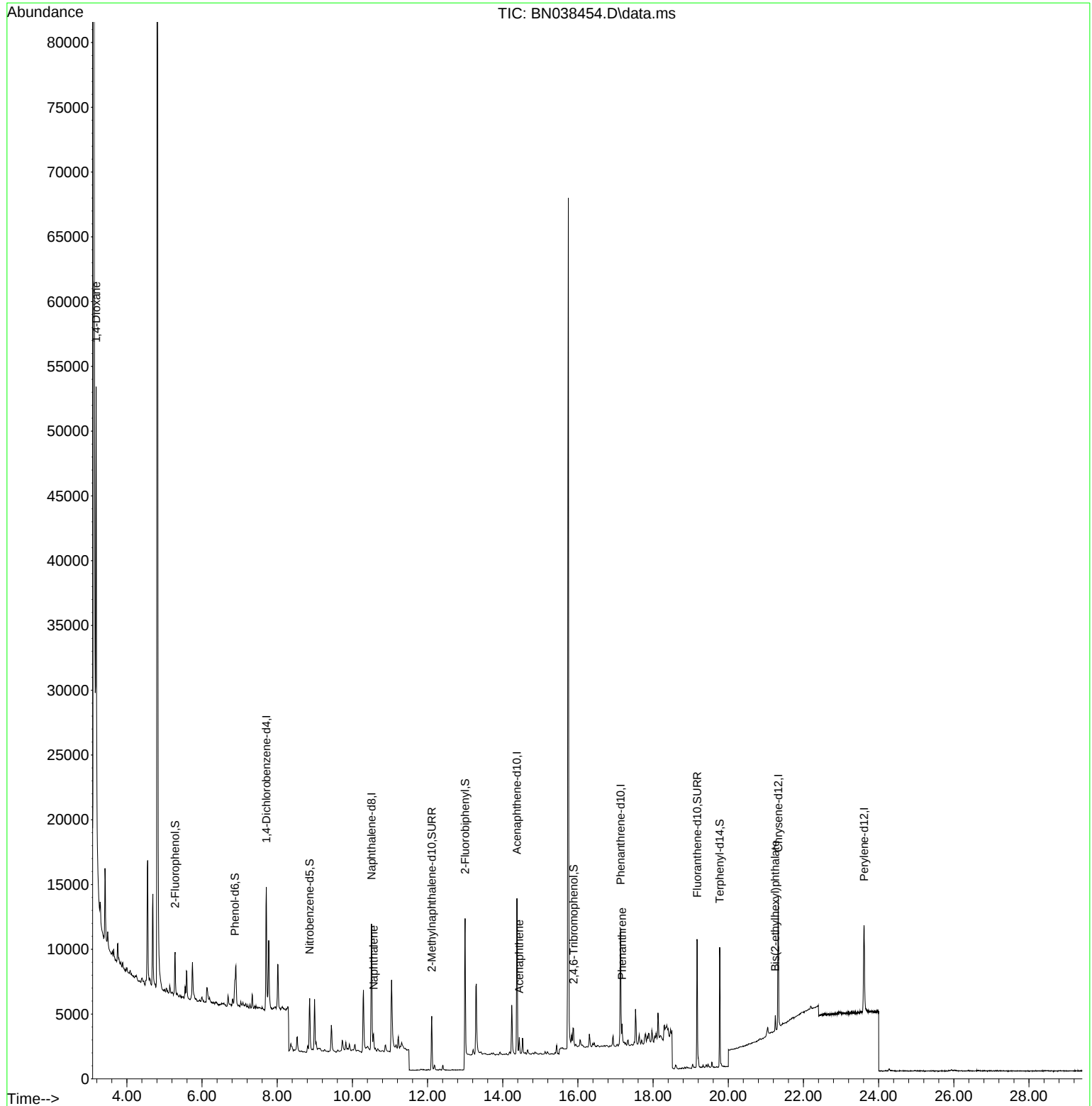
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	4598	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	12596	0.400	ng	#-0.02
13) Acenaphthene-d10	14.377	164	6542	0.400	ng	-0.02
19) Phenanthrene-d10	17.136	188	12522	0.400	ng	-0.01
29) Chrysene-d12	21.331	240	9591	0.400	ng	0.00
35) Perylene-d12	23.610	264	9491	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	2262	0.198	ng	0.00
5) Phenol-d6	6.872	99	1741	0.128	ng	-0.01
8) Nitrobenzene-d5	8.864	82	3663	0.345	ng	-0.01
11) 2-Methylnaphthalene-d10	12.111	152	5639	0.317	ng	-0.02
14) 2,4,6-Tribromophenol	15.882	330	899	0.310	ng	-0.01
15) 2-Fluorobiphenyl	12.998	172	14255	0.452	ng	-0.01
27) Fluoranthene-d10	19.173	212	10718	0.346	ng	-0.01
31) Terphenyl-d14	19.773	244	8359	0.391	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.182	88	16551	3.139	ng	# 86
9) Naphthalene	10.562	128	1537	0.041	ng	# 85
17) Acenaphthene	14.441	154	572	0.026	ng	95
25) Phenanthrene	17.173	178	1640	0.038	ng	# 93
34) Bis(2-ethylhexyl)phtha...	21.250	149	1156	0.057	ng	# 98

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

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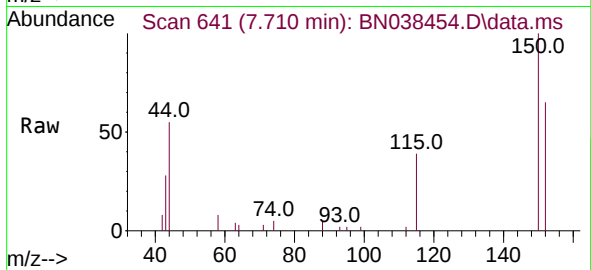
Quant Time: Dec 17 02:58:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN121025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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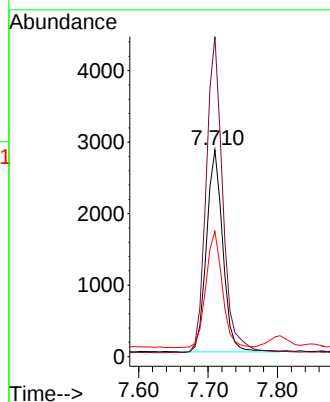
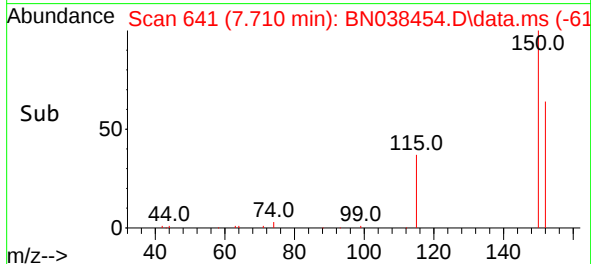


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.014 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

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

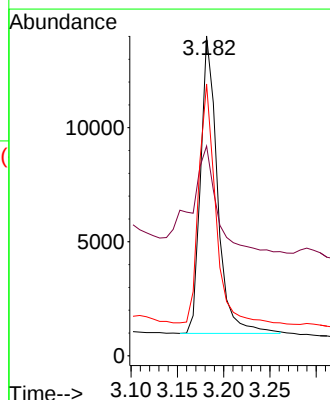
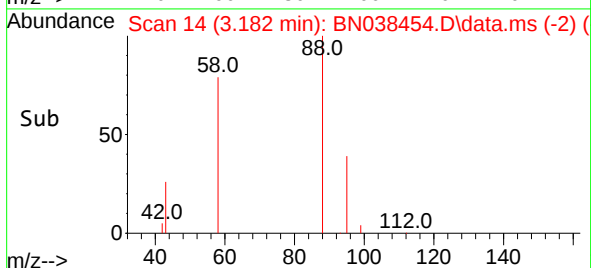
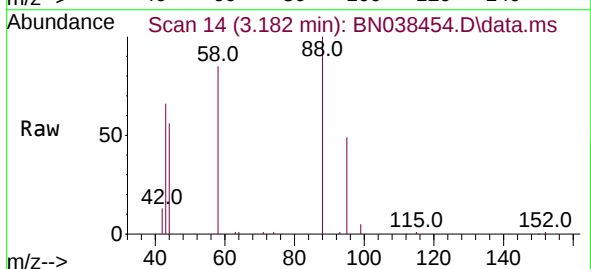


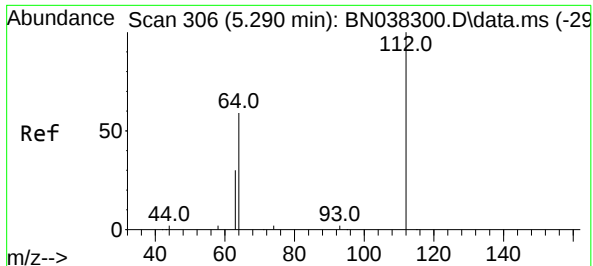
Tgt Ion:152 Resp: 4598
 Ion Ratio Lower Upper
 152 100
 150 154.7 122.4 183.6
 115 60.6 47.3 70.9



#2
 1,4-Dioxane
 Concen: 3.139 ng
 RT: 3.182 min Scan# 14
 Delta R.T. -0.014 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

Tgt Ion: 88 Resp: 16551
 Ion Ratio Lower Upper
 88 100
 43 55.0 24.9 37.3#
 58 78.9 61.4 92.0

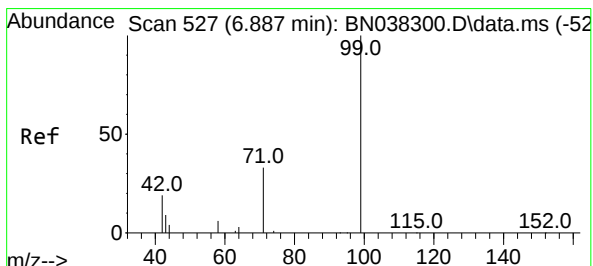
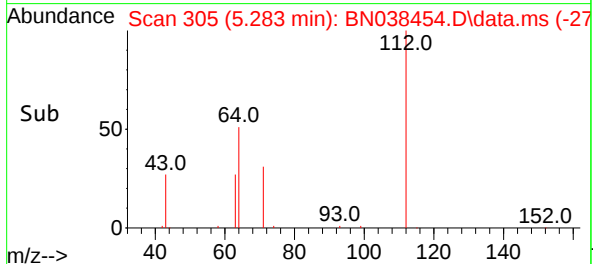
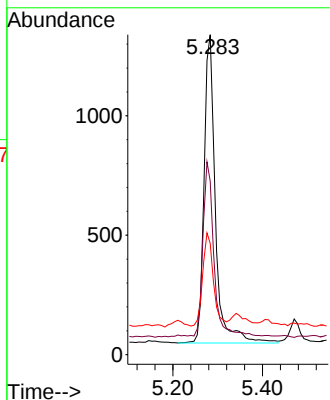
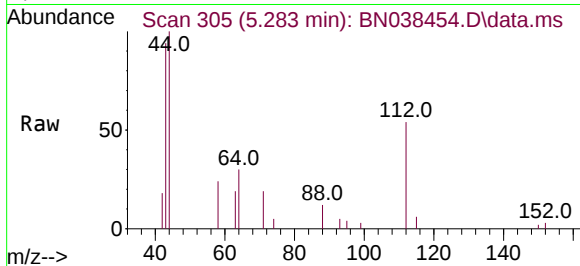




#4
2-Fluorophenol
Concen: 0.198 ng
RT: 5.283 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

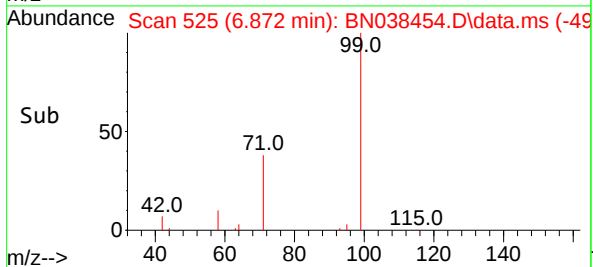
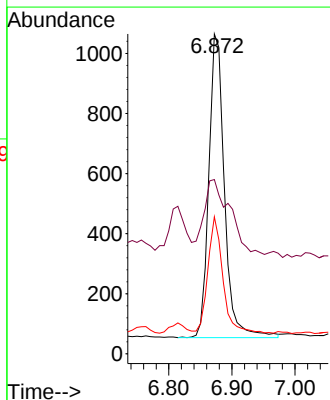
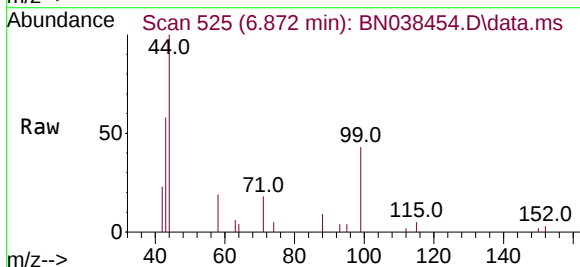
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125

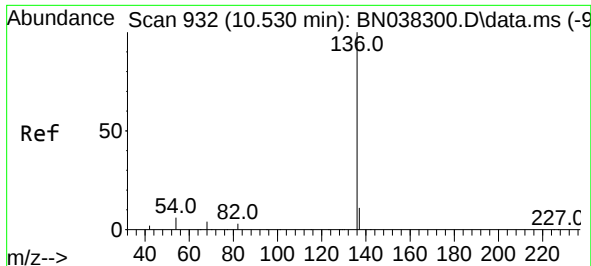
Tgt Ion:	112	Resp:	2262
Ion	Ratio	Lower	Upper
112	100		
64	54.2	44.4	66.6
63	28.4	23.4	35.0



#5
Phenol-d6
Concen: 0.128 ng
RT: 6.872 min Scan# 525
Delta R.T. -0.014 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

Tgt Ion:	99	Resp:	1741
Ion	Ratio	Lower	Upper
99	100		
42	41.5	16.5	24.7#
71	36.5	24.9	37.3

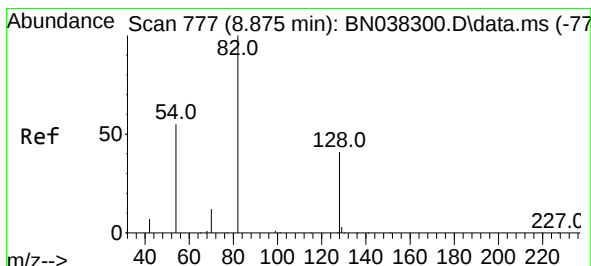
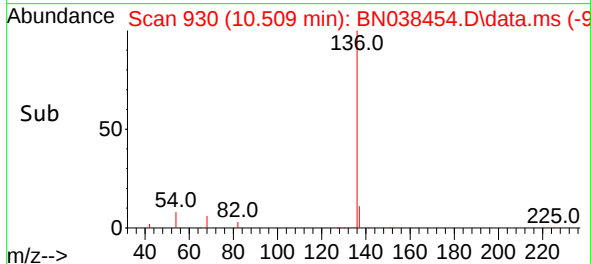
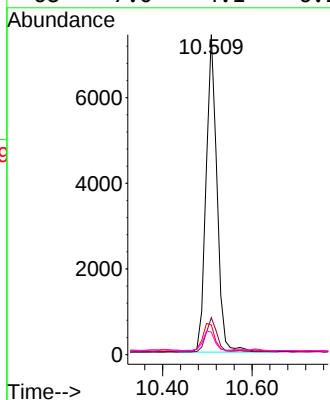
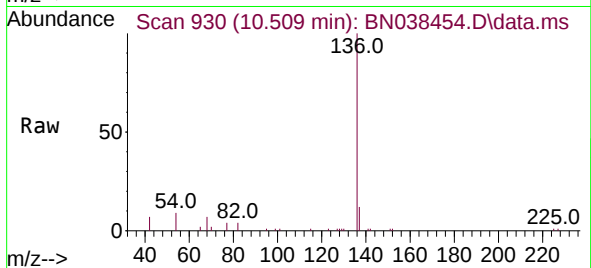




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 931
Delta R.T. -0.021 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

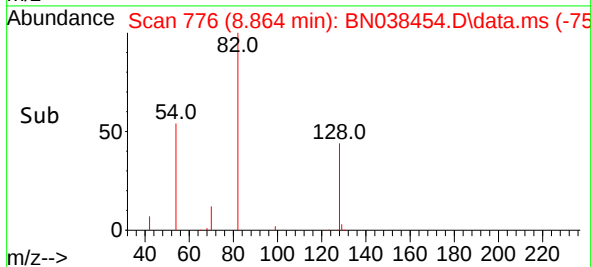
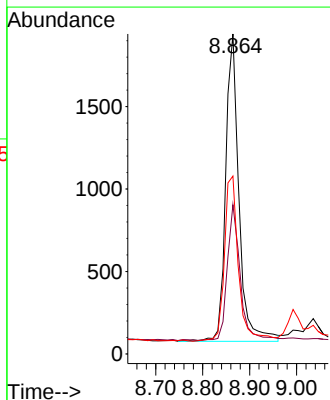
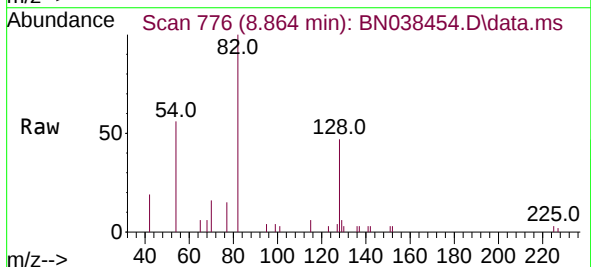
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125

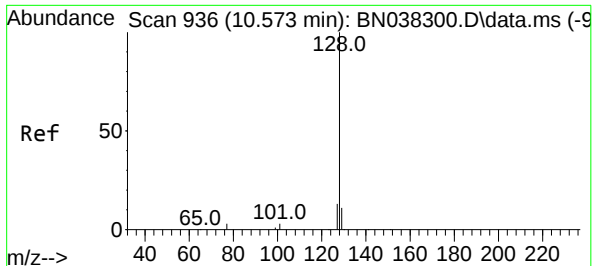
Tgt Ion:136	Resp:	12596
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	9.3	5.2 7.8#
68	7.0	4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.345 ng
RT: 8.864 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

Tgt Ion: 82	Resp:	3663
Ion Ratio	Lower	Upper
82	100	
128	46.6	34.0 51.0
54	55.6	44.4 66.6

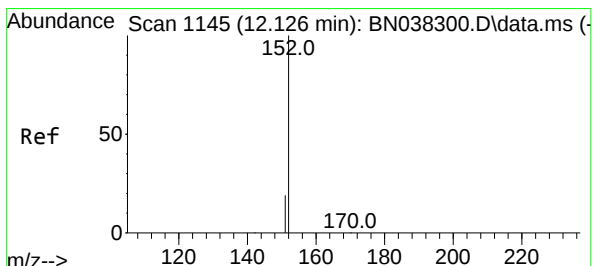
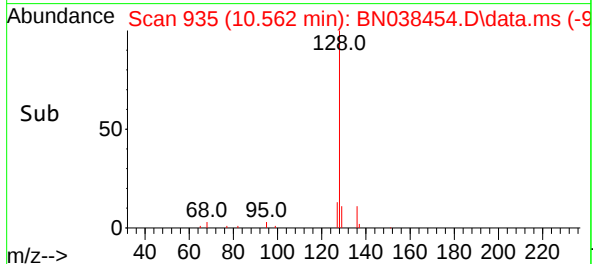
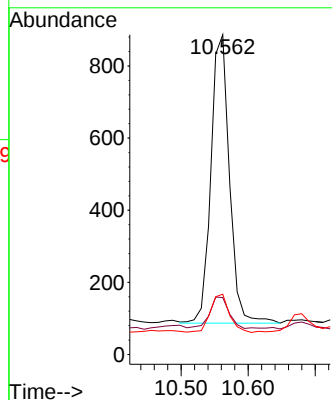
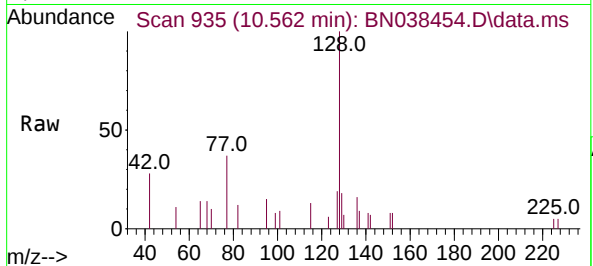




#9
Naphthalene
Concen: 0.041 ng
RT: 10.562 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

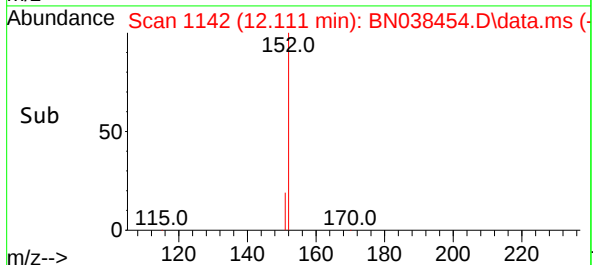
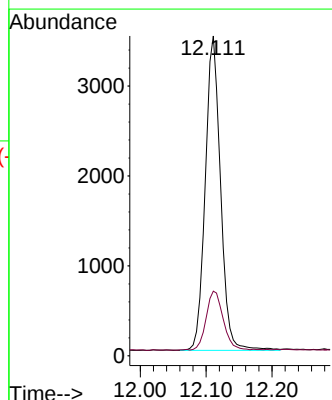
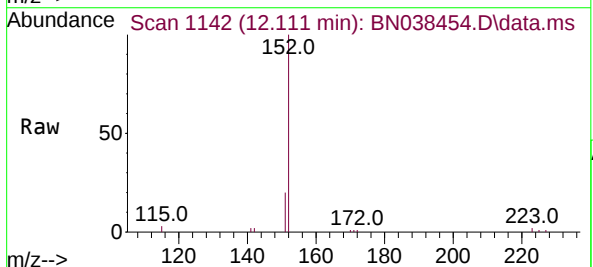
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125

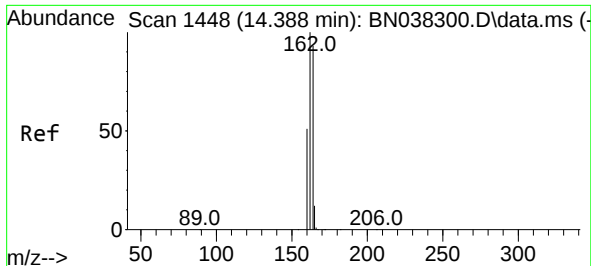
Tgt Ion:128 Resp: 1537
Ion Ratio Lower Upper
128 100
129 17.8 9.1 13.7#
127 18.8 10.9 16.3#



#11
2-Methylnaphthalene-d10
Concen: 0.317 ng
RT: 12.111 min Scan# 1142
Delta R.T. -0.015 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

Tgt Ion:152 Resp: 5639
Ion Ratio Lower Upper
152 100
151 21.2 17.0 25.6

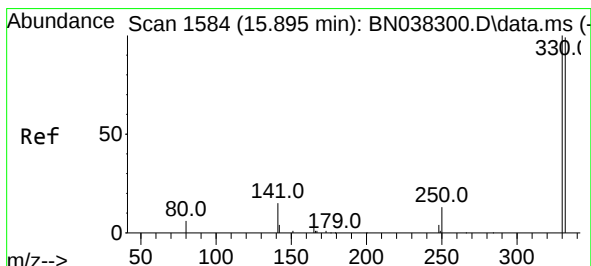
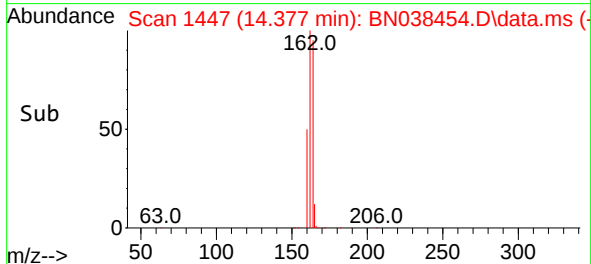
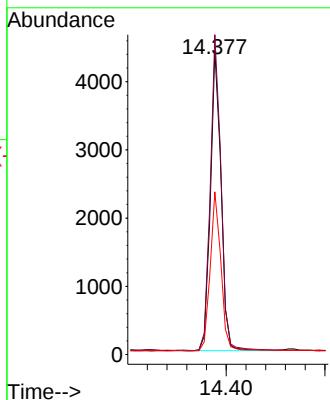
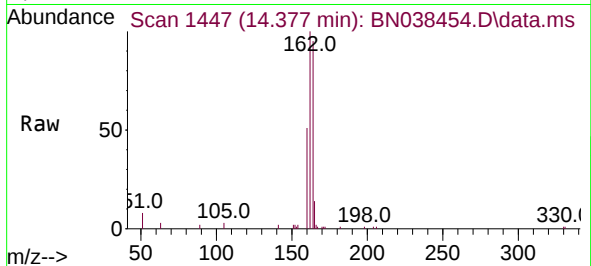




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.377 min Scan# 1447
 Delta R.T. -0.021 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

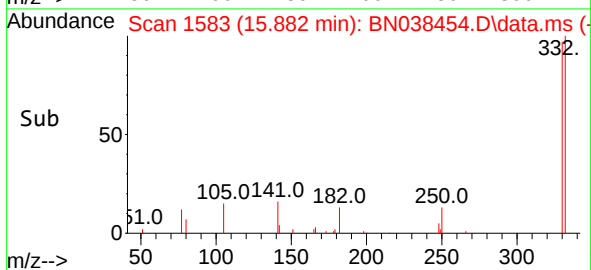
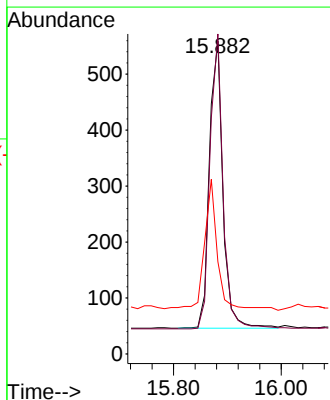
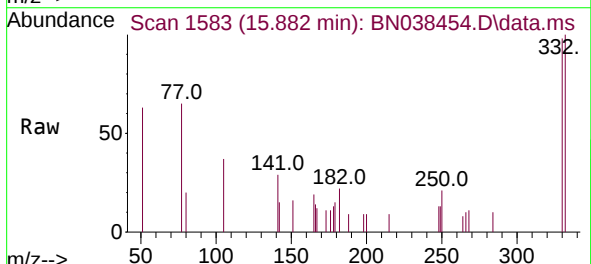
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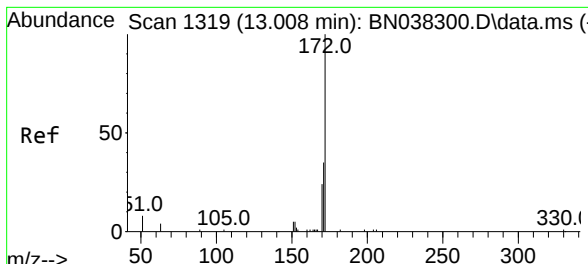
Tgt Ion:	164	Resp:	6542
Ion Ratio	Lower	Upper	
164	100		
162	105.2	86.2	129.4
160	53.6	44.6	67.0



#14
 2,4,6-Tribromophenol
 Concen: 0.310 ng
 RT: 15.882 min Scan# 1583
 Delta R.T. -0.012 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

Tgt Ion:	330	Resp:	899
Ion Ratio	Lower	Upper	
330	100		
332	99.2	75.8	113.6
141	44.7	31.8	47.8

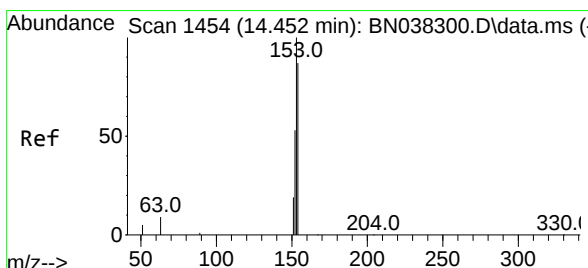
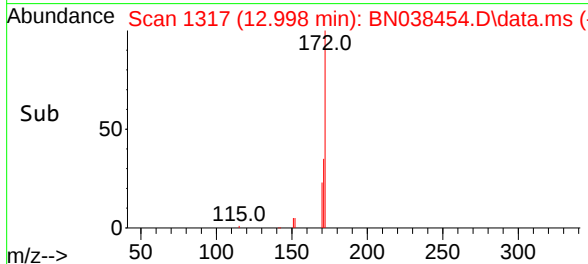
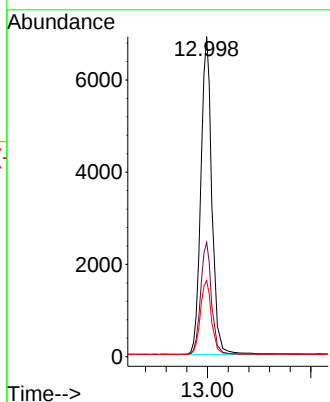
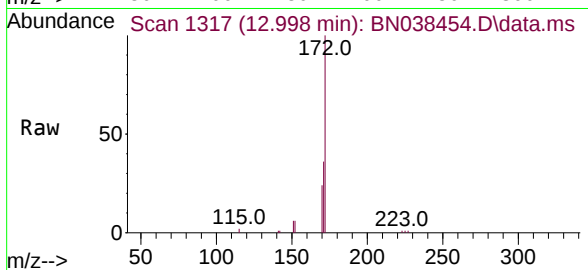




#15
 2-Fluorobiphenyl
 Concen: 0.452 ng
 RT: 12.998 min Scan# 1317
 Delta R.T. -0.010 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

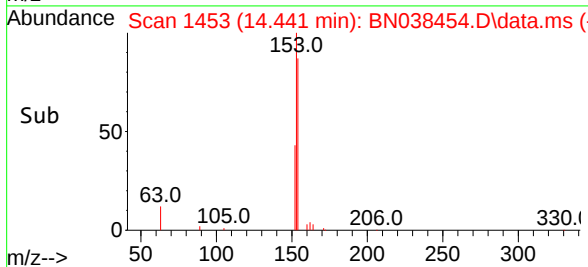
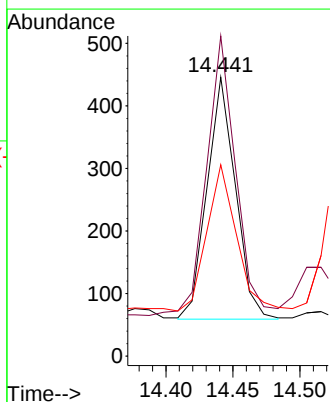
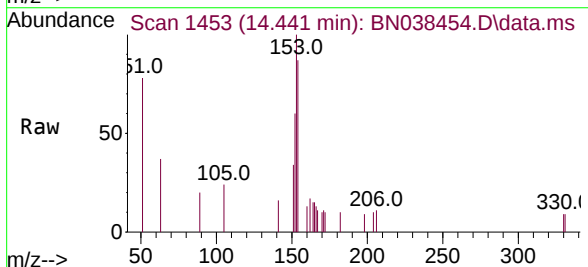
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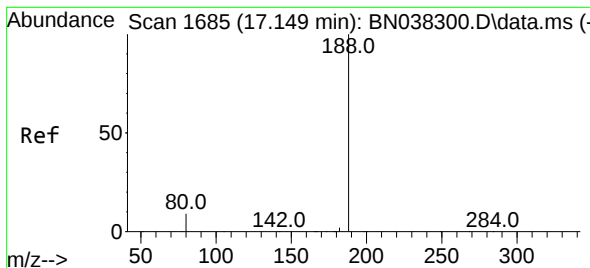
Tgt Ion:	172	Resp:	14255
Ion Ratio	Lower	Upper	
172	100		
171	35.7	28.6	42.8
170	23.8	19.3	28.9



#17
 Acenaphthene
 Concen: 0.026 ng
 RT: 14.441 min Scan# 1453
 Delta R.T. -0.021 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

Tgt Ion:	154	Resp:	572
Ion Ratio	Lower	Upper	
154	100		
153	117.8	89.8	134.8
152	61.9	47.5	71.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.136 min Scan# 1684

Delta R.T. -0.012 min

Lab File: BN038454.D

Acq: 16 Dec 2025 22:59

Instrument :

BNA_N

ClientSampleId :

MW-18B-57.5-121125

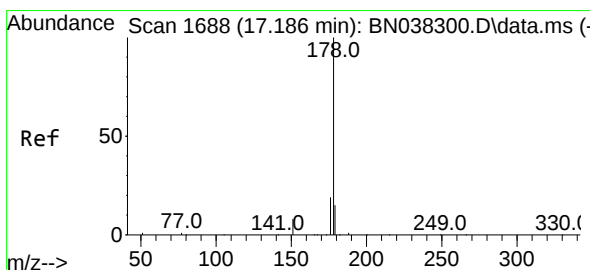
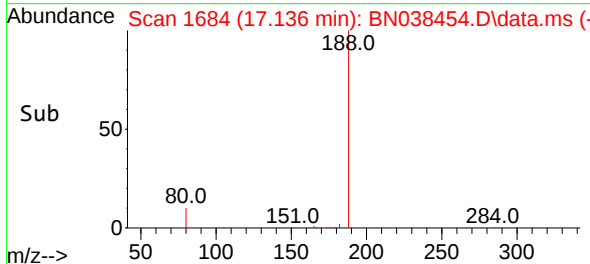
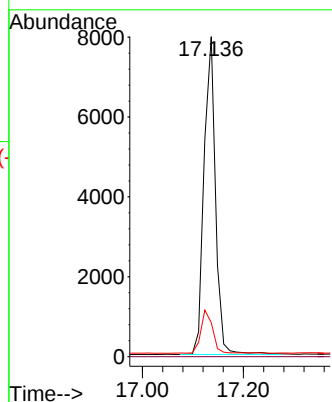
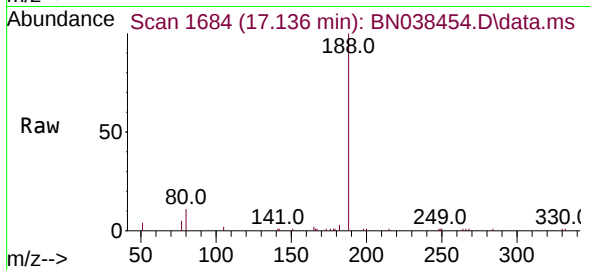
Tgt Ion:188 Resp: 12522

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.6 7.4 11.0



#25

Phenanthrene

Concen: 0.038 ng

RT: 17.173 min Scan# 1687

Delta R.T. -0.012 min

Lab File: BN038454.D

Acq: 16 Dec 2025 22:59

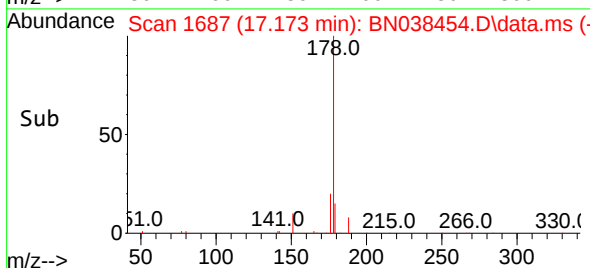
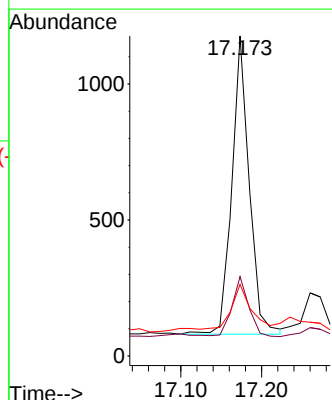
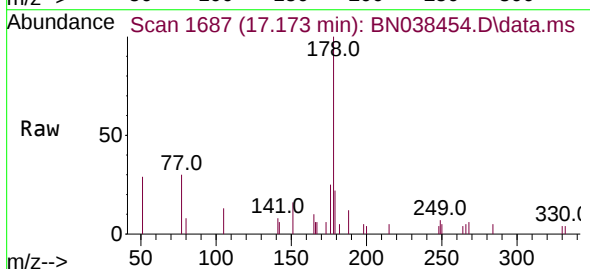
Tgt Ion:178 Resp: 1640

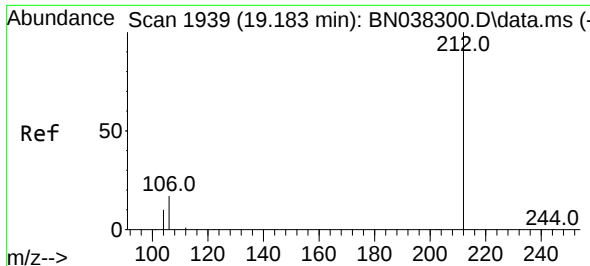
Ion Ratio Lower Upper

178 100

176 19.3 15.5 23.3

179 21.7 12.2 18.2#

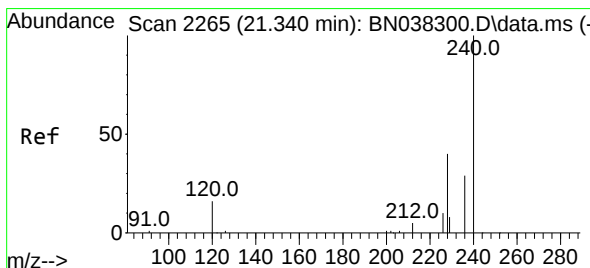
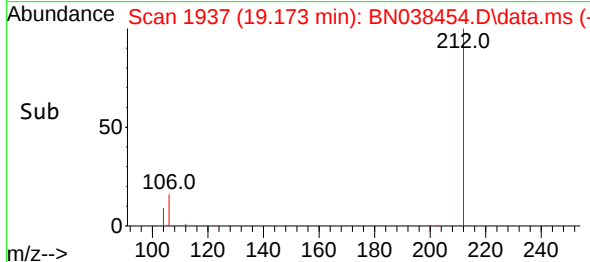
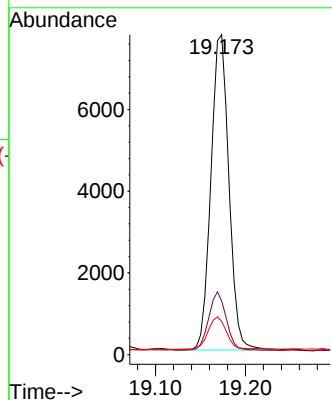
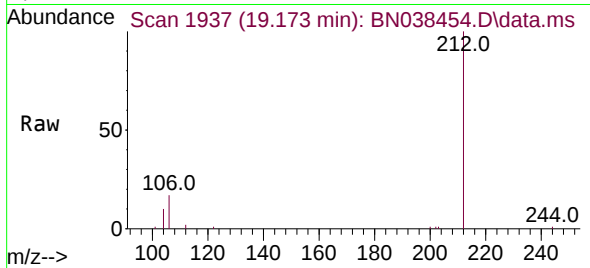




#27
Fluoranthene-d10
Concen: 0.346 ng
RT: 19.173 min Scan# 1937
Delta R.T. -0.014 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

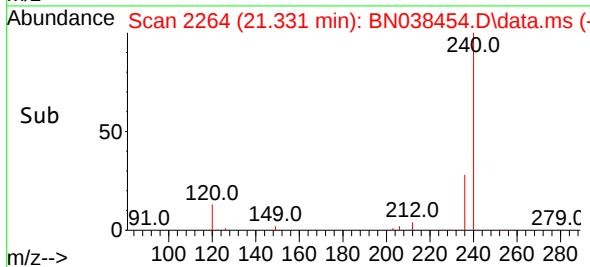
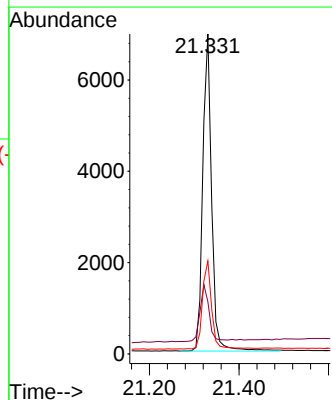
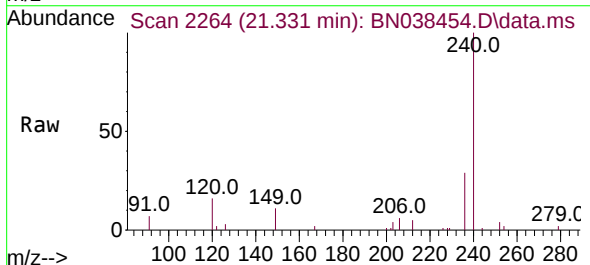
Instrument :
BNA_N
ClientSampleId :
MW-18B-57.5-121125

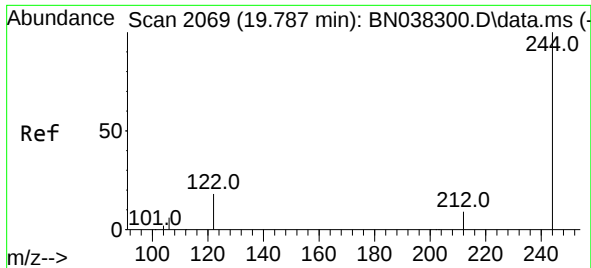
Tgt Ion:212 Resp: 10718
Ion Ratio Lower Upper
212 100
106 18.1 13.7 20.5
104 10.8 7.8 11.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038454.D
Acq: 16 Dec 2025 22:59

Tgt Ion:240 Resp: 9591
Ion Ratio Lower Upper
240 100
120 16.3 15.4 23.2
236 29.1 23.9 35.9

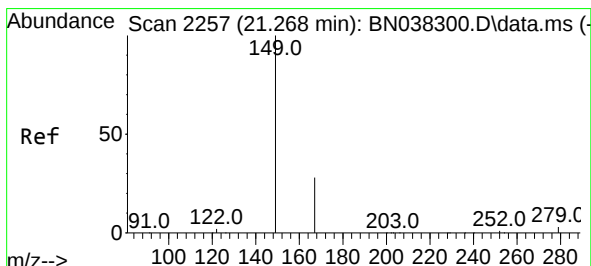
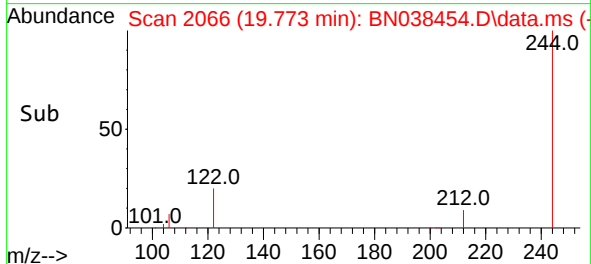
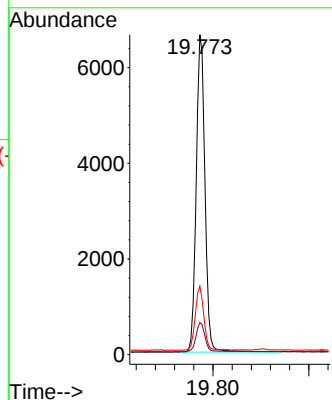
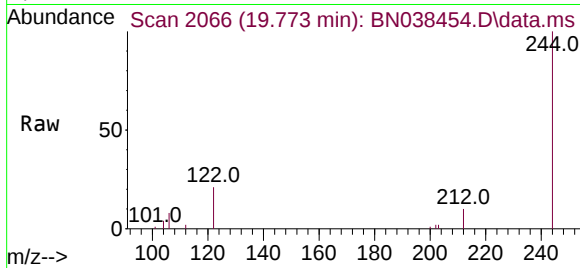




#31
 Terphenyl-d14
 Concen: 0.391 ng
 RT: 19.773 min Scan# 2069
 Delta R.T. -0.019 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

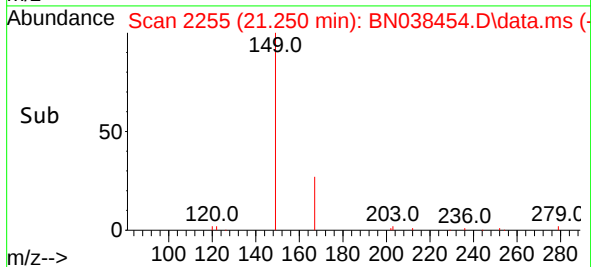
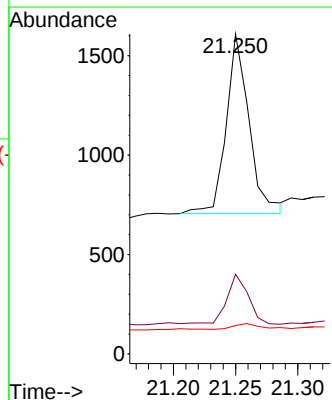
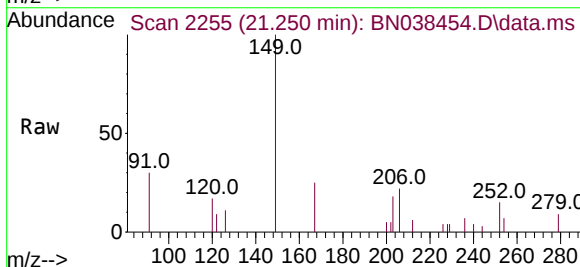
Instrument :
 BNA_N
 ClientSampleId :
 MW-18B-57.5-121125

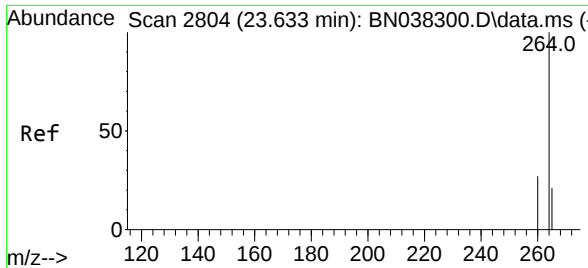
Tgt Ion:244 Resp: 8359
 Ion Ratio Lower Upper
 244 100
 212 10.0 7.9 11.9
 122 21.4 15.0 22.6



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.057 ng
 RT: 21.250 min Scan# 2255
 Delta R.T. -0.018 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

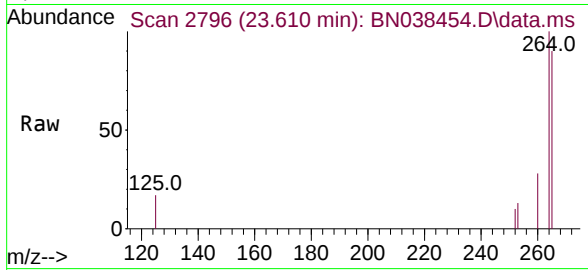
Tgt Ion:149 Resp: 1156
 Ion Ratio Lower Upper
 149 100
 167 25.7 21.4 32.0
 279 4.0 2.4 3.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.610 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BN038454.D
 Acq: 16 Dec 2025 22:59

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



Tgt Ion:264 Resp: 9491

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	89.8	80.2	120.2

