

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038427.D
 Acq On : 16 Dec 2025 05:54
 Operator : RC/JU
 Sample : Q3839-25
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AT7

Quant Time: Dec 16 07:16:23 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)

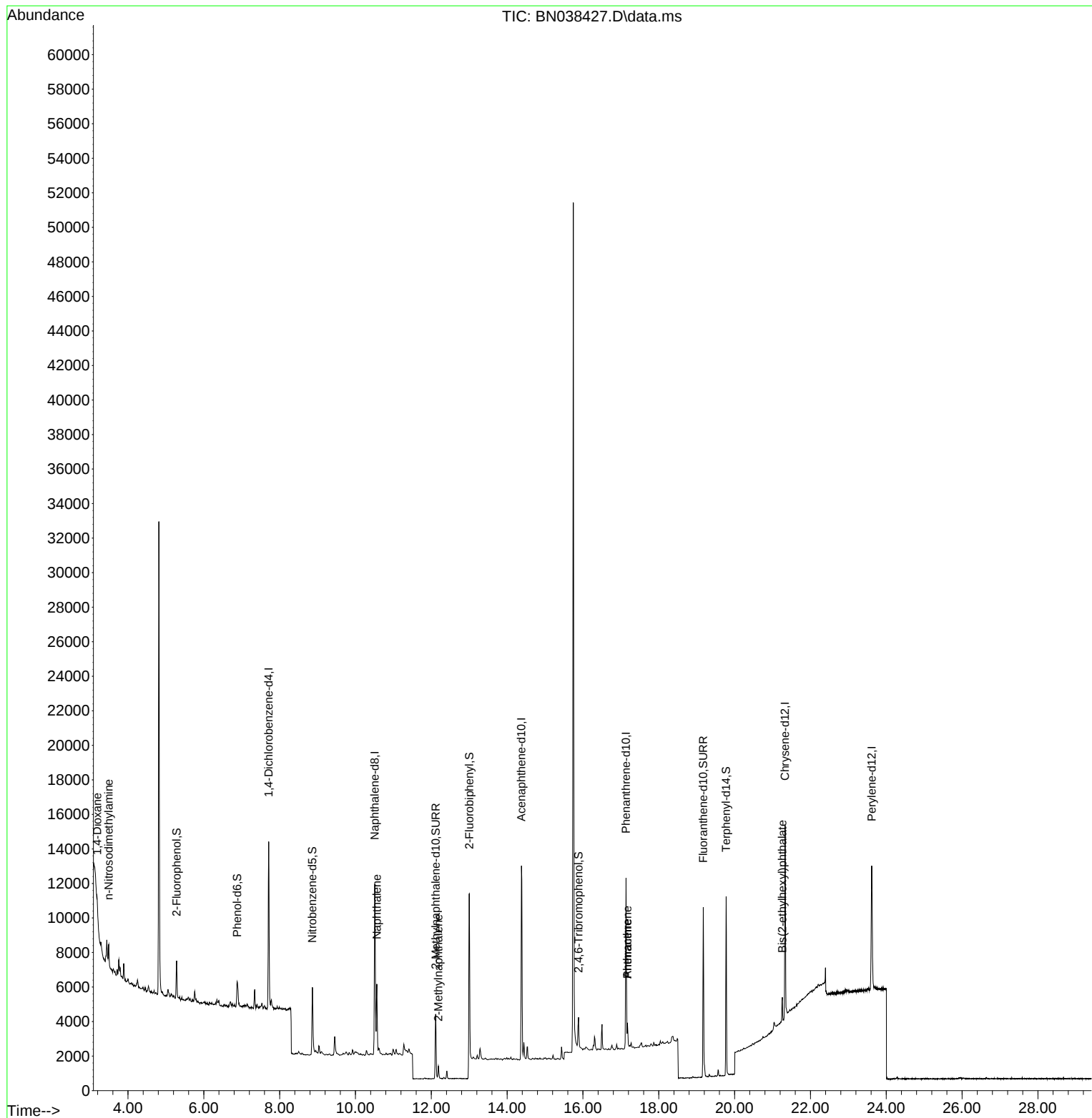
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	4887	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	13347	0.400	ng	#-0.02
13) Acenaphthene-d10	14.377	164	6978	0.400	ng	-0.02
19) Phenanthrene-d10	17.136	188	12655	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	9776	0.400	ng	0.00
35) Perylene-d12	23.616	264	10075	0.400	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1828	0.150	ng	0.00
5) Phenol-d6	6.879	99	1257	0.087	ng	0.00
8) Nitrobenzene-d5	8.865	82	3502	0.311	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	5476	0.291	ng	-0.01
14) 2,4,6-Tribromophenol	15.882	330	1097	0.354	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	13424	0.399	ng	0.00
27) Fluoranthene-d10	19.174	212	10643	0.340	ng	-0.01
31) Terphenyl-d14	19.777	244	9576	0.439	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.189	88	383	0.068	ng	# 1
3) n-Nitrosodimethylamine	3.492	42	205	0.029	ng	# 1
9) Naphthalene	10.562	128	5228	0.133	ng	96
12) 2-Methylnaphthalene	12.187	142	519	0.021	ng	# 86
25) Phenanthrene	17.173	178	1477	0.034	ng	96
26) Anthracene	17.173	178	1423	0.037	ng	94
34) Bis(2-ethylhexyl)phtha...	21.259	149	1432	0.069	ng	# 98

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

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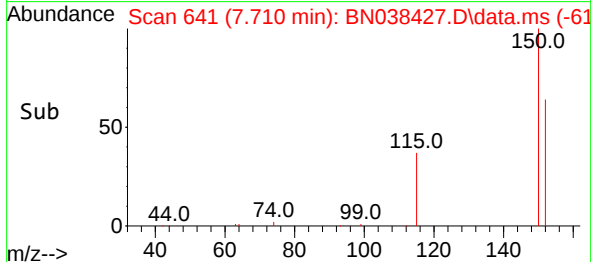
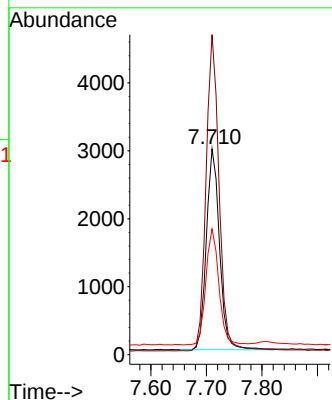
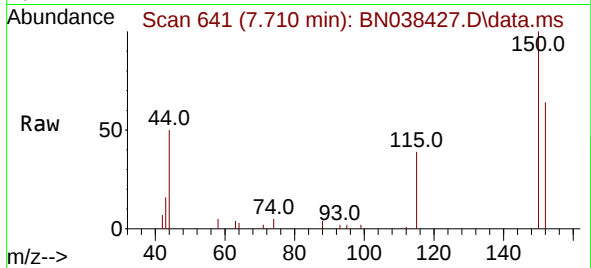




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.014 min
 Lab File: BN038427.D
 Acq: 16 Dec 2025 05:54

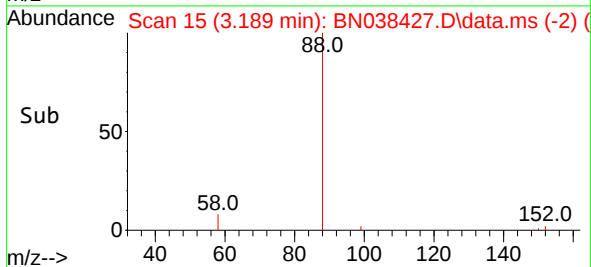
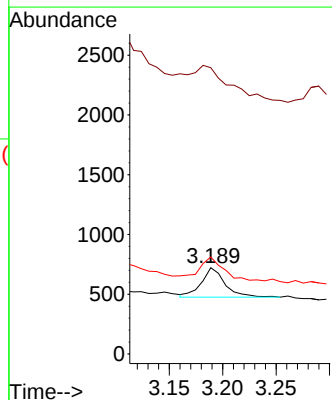
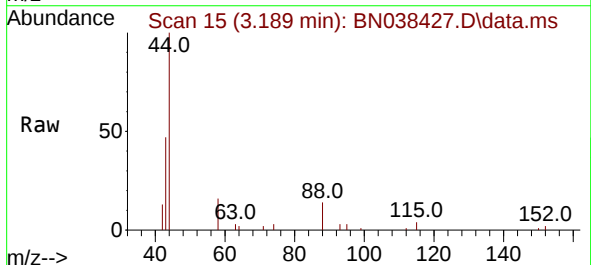
Instrument :
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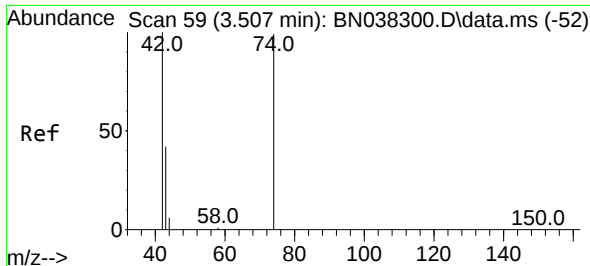
Tgt Ion:152 Resp: 4887
 Ion Ratio Lower Upper
 152 100
 150 155.5 122.4 183.6
 115 61.1 47.3 70.9



#2
 1,4-Dioxane
 Concen: 0.068 ng
 RT: 3.189 min Scan# 15
 Delta R.T. -0.007 min
 Lab File: BN038427.D
 Acq: 16 Dec 2025 05:54

Tgt Ion: 88 Resp: 383
 Ion Ratio Lower Upper
 88 100
 43 185.1 24.9 37.3#
 58 106.8 61.4 92.0#

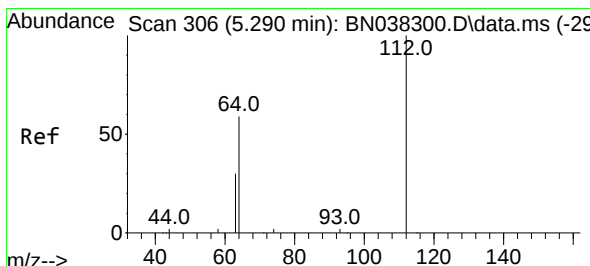
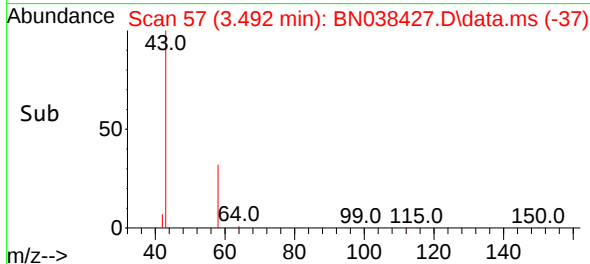
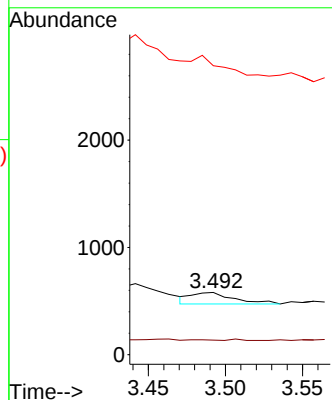
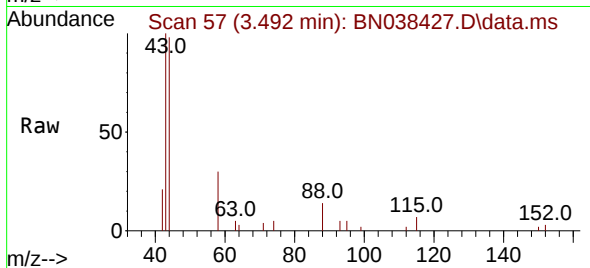




#3
 n-Nitrosodimethylamine
 Concen: 0.029 ng
 RT: 3.492 min Scan# 51
 Delta R.T. -0.007 min
 Lab File: BN038427.D
 Acq: 16 Dec 2025 05:54

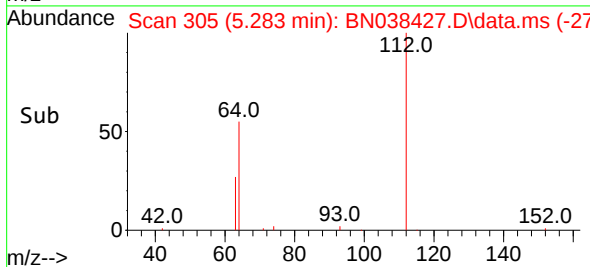
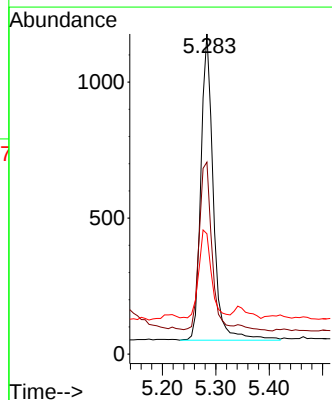
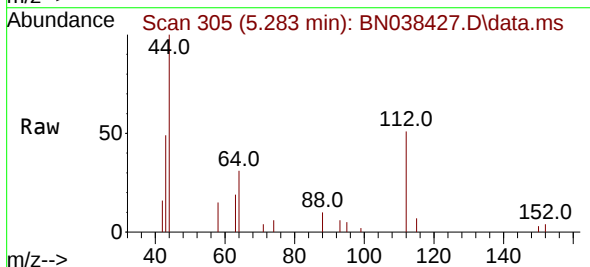
Instrument :
 BNA_N
 ClientSampleId :
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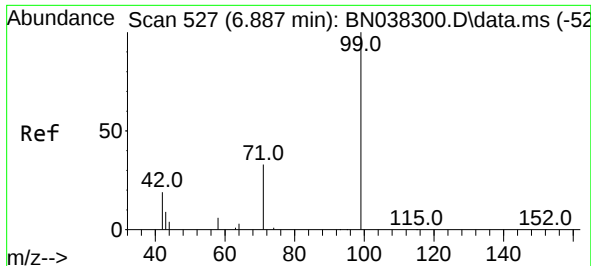
Tgt Ion: 42 Resp: 205
 Ion Ratio Lower Upper
 42 100
 74 2.9 95.3 142.9#
 44 0.0 7.9 11.9#



#4
 2-Fluorophenol
 Concen: 0.150 ng
 RT: 5.283 min Scan# 305
 Delta R.T. -0.007 min
 Lab File: BN038427.D
 Acq: 16 Dec 2025 05:54

Tgt Ion: 112 Resp: 1828
 Ion Ratio Lower Upper
 112 100
 64 54.9 44.4 66.6
 63 30.2 23.4 35.0

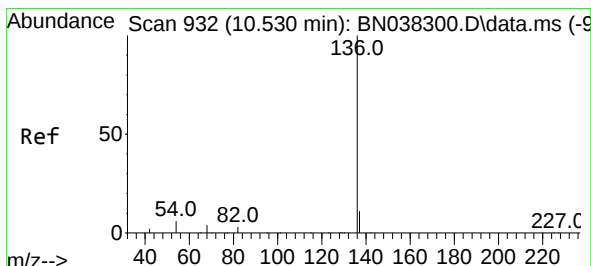
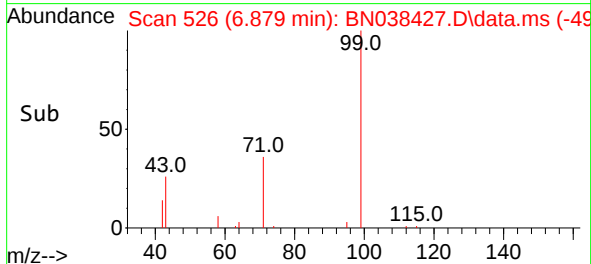
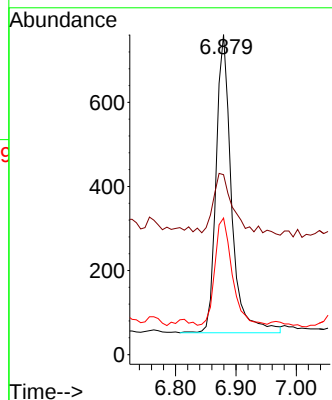
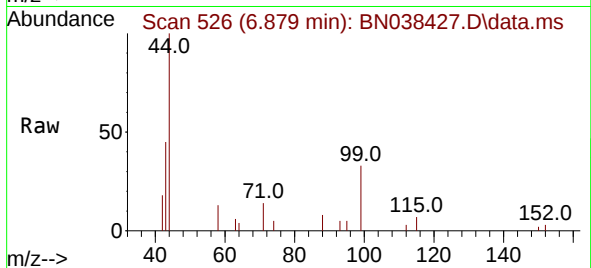




#5
Phenol-d6
Concen: 0.087 ng
RT: 6.879 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

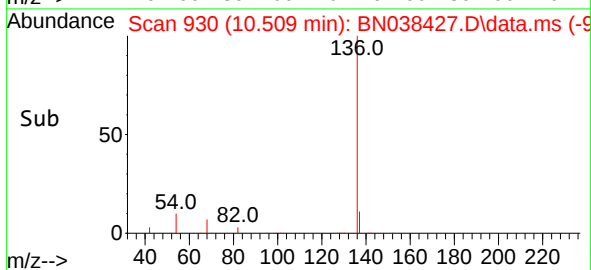
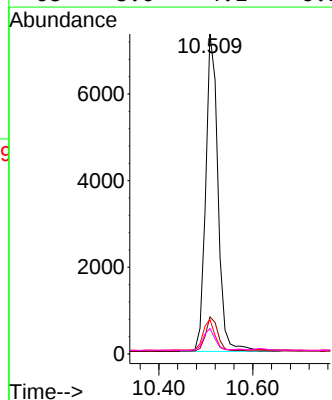
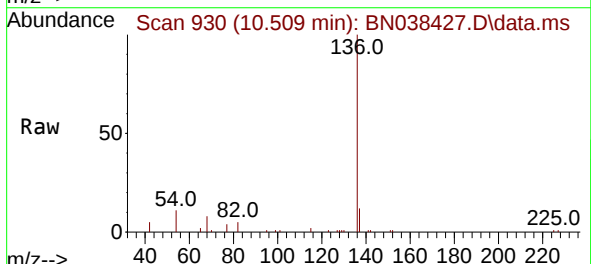
Instrument :
BNA_N
ClientSampleId :
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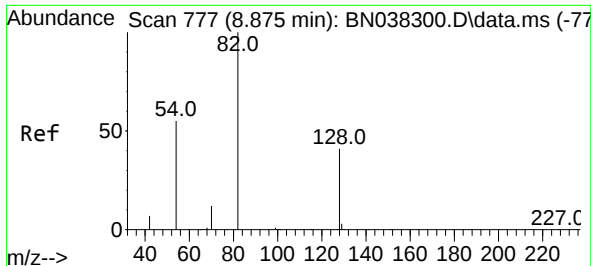
Tgt Ion: 99 Resp: 1257
Ion Ratio Lower Upper
99 100
42 23.5 16.5 24.7
71 40.7 24.9 37.3#



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 930
Delta R.T. -0.021 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

Tgt Ion: 136 Resp: 13347
Ion Ratio Lower Upper
136 100
137 11.6 9.1 13.7
54 10.7 5.2 7.8#
68 8.0 4.1 6.1#

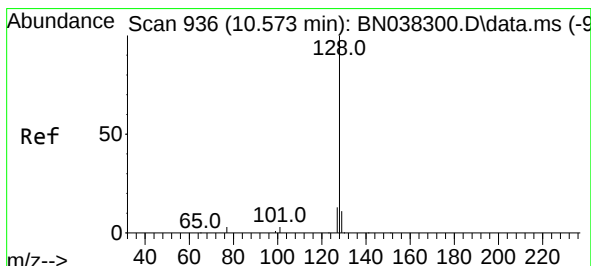
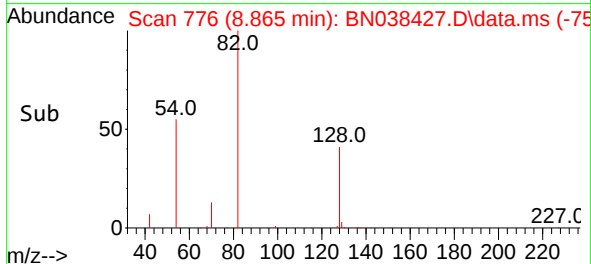
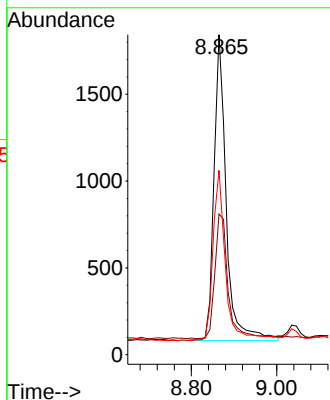
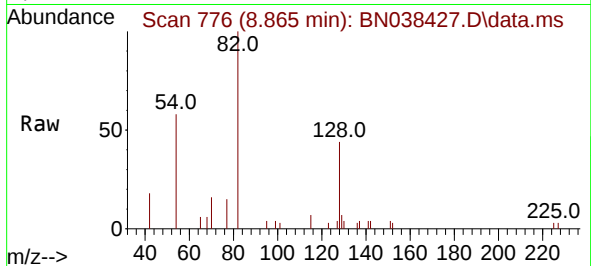




#8
Nitrobenzene-d5
Concen: 0.311 ng
RT: 8.865 min Scan# 777
Delta R.T. -0.011 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

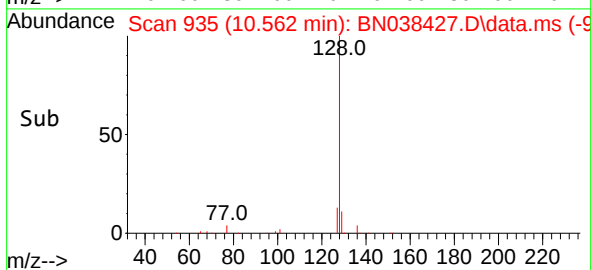
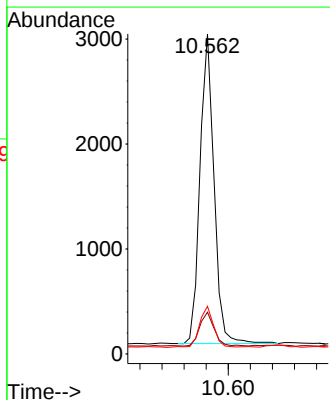
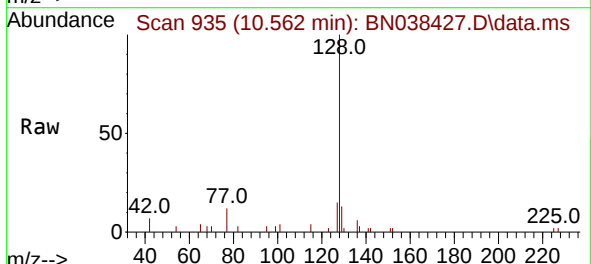
Instrument :
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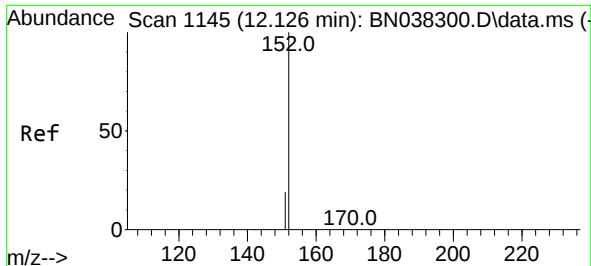
Tgt Ion: 82 Resp: 3502
Ion Ratio Lower Upper
82 100
128 44.0 34.0 51.0
54 57.6 44.4 66.6



#9
Naphthalene
Concen: 0.133 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

Tgt Ion: 128 Resp: 5228
Ion Ratio Lower Upper
128 100
129 13.1 9.1 13.7
127 14.9 10.9 16.3

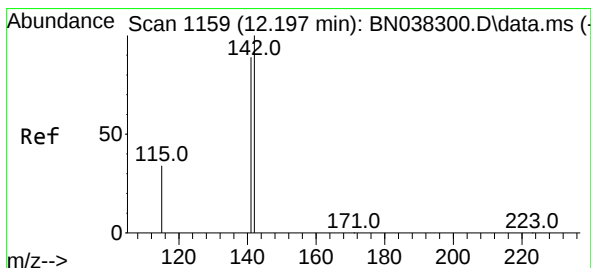
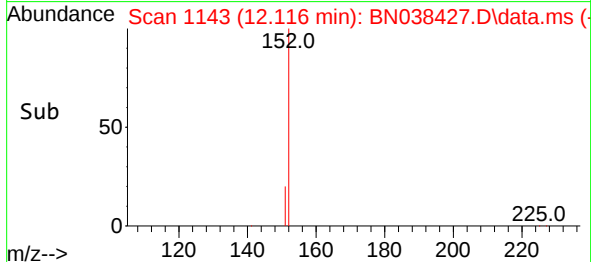
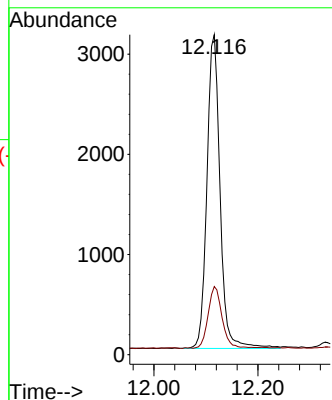
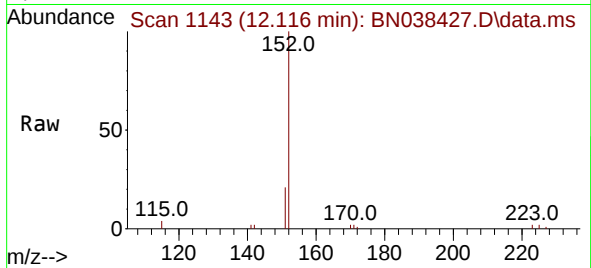




#11
2-Methylnaphthalene-d10
Concen: 0.291 ng
RT: 12.116 min Scan# 1143
Delta R.T. -0.010 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

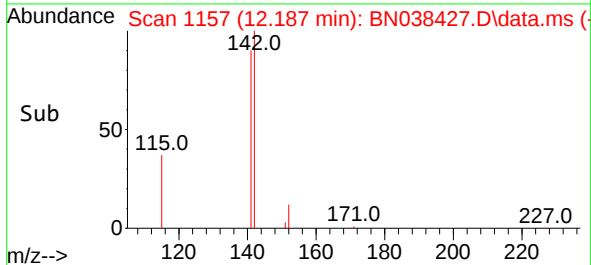
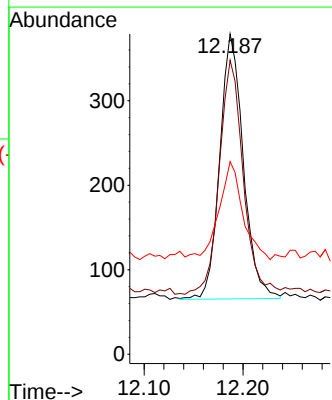
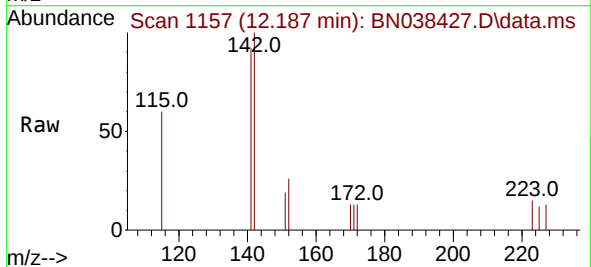
Instrument :
BNA_N
ClientSampleId :
C0AT7

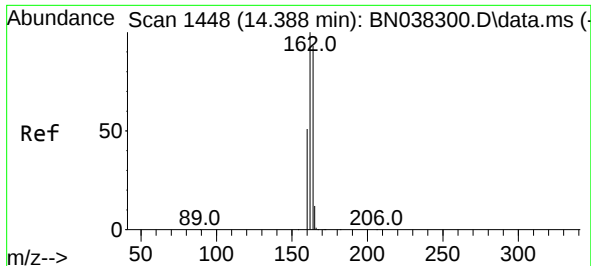
Tgt Ion:152 Resp: 5476
Ion Ratio Lower Upper
152 100
151 21.1 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.021 ng
RT: 12.187 min Scan# 1157
Delta R.T. -0.015 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

Tgt Ion:142 Resp: 519
Ion Ratio Lower Upper
142 100
141 91.8 71.4 107.2
115 60.2 28.4 42.6#

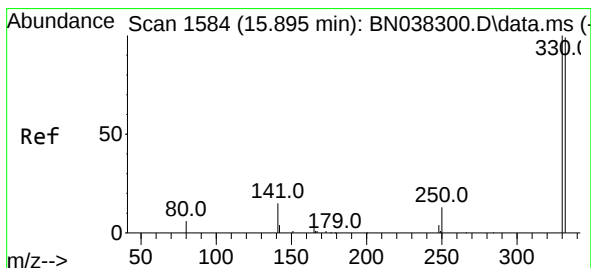
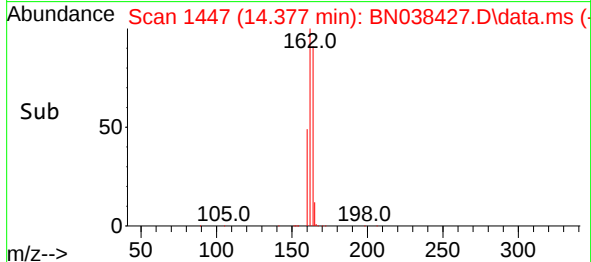
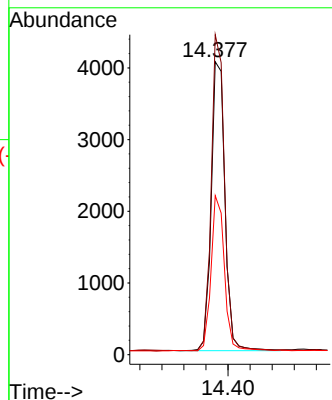
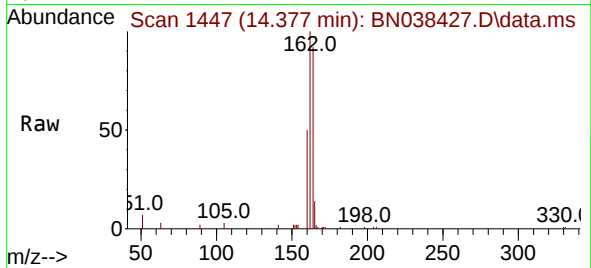




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.377 min Scan# 1447
Delta R.T. -0.021 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

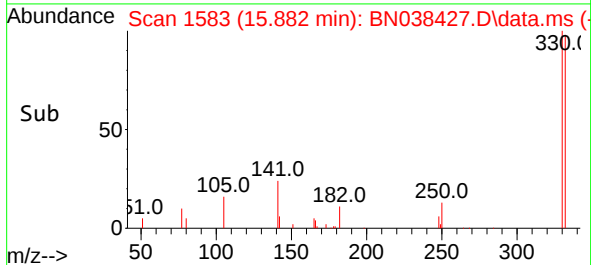
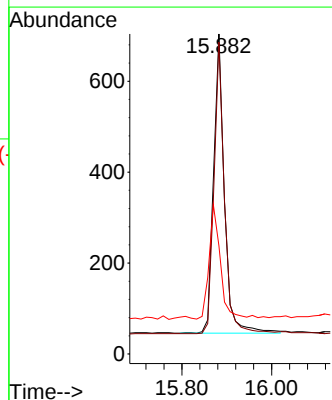
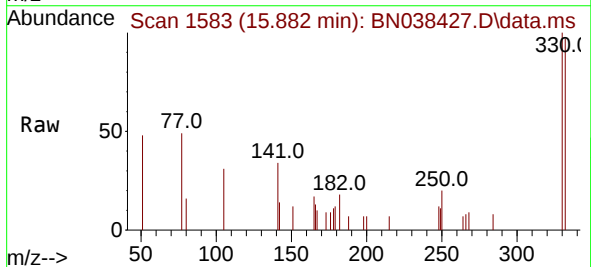
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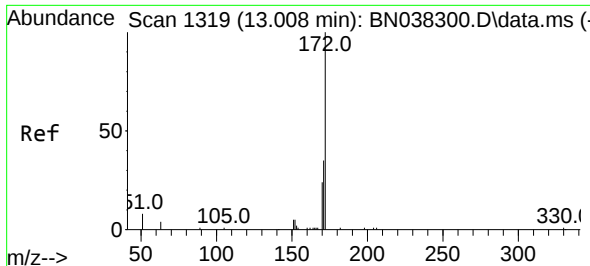
Tgt Ion:164 Resp: 6978
Ion Ratio Lower Upper
164 100
162 109.2 86.2 129.4
160 54.3 44.6 67.0



#14
2,4,6-Tribromophenol
Concen: 0.354 ng
RT: 15.882 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

Tgt Ion:330 Resp: 1097
Ion Ratio Lower Upper
330 100
332 94.0 75.8 113.6
141 39.7 31.8 47.8

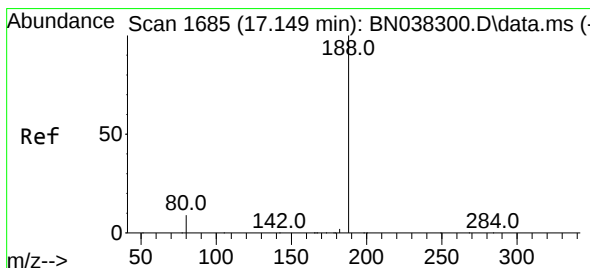
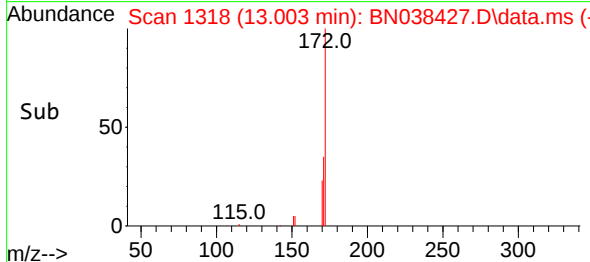
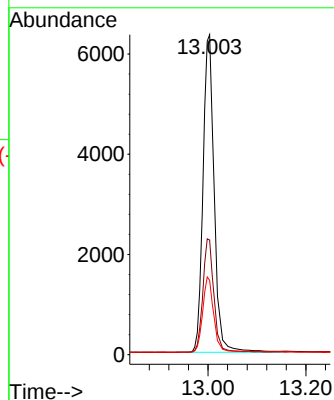
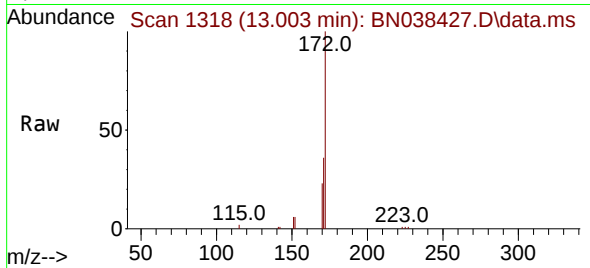




#15
2-Fluorobiphenyl
Concen: 0.399 ng
RT: 13.003 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

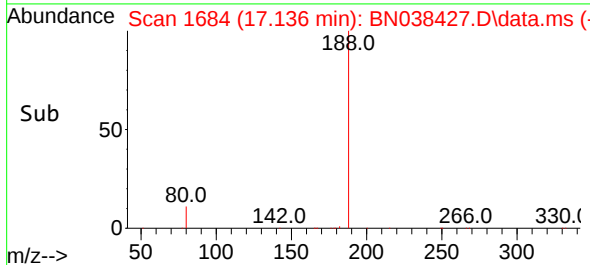
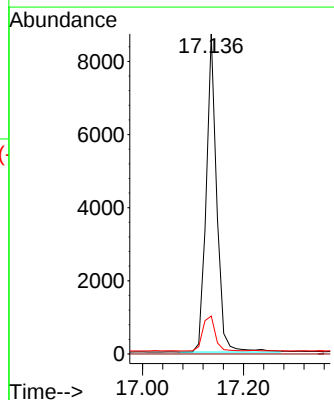
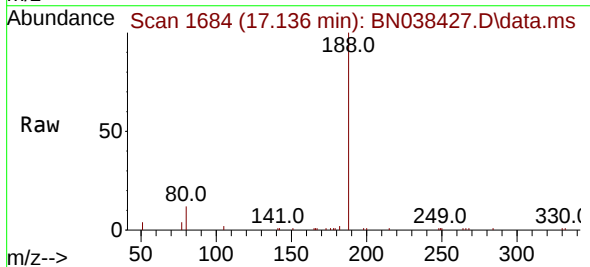
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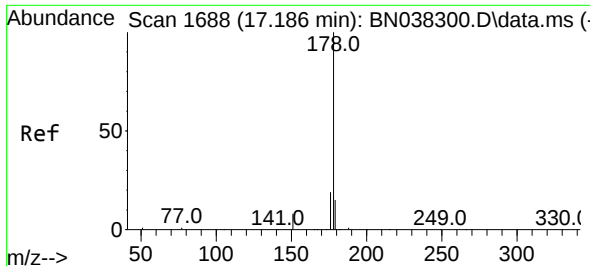
Tgt Ion:172 Resp: 13424
Ion Ratio Lower Upper
172 100
171 35.9 28.6 42.8
170 23.3 19.3 28.9



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.012 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

Tgt Ion:188 Resp: 12655
Ion Ratio Lower Upper
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94 0.0 0.0 0.0
80 11.8 7.4 11.0#

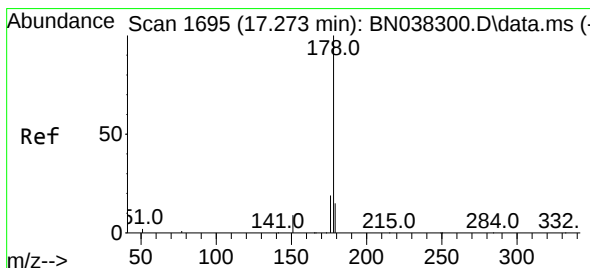
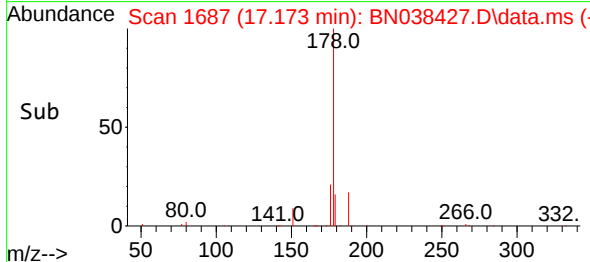
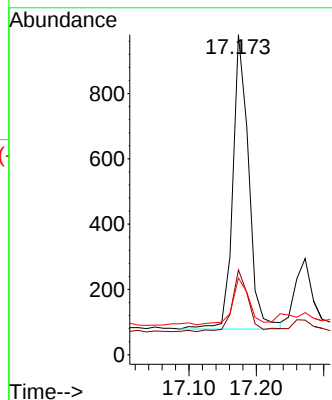
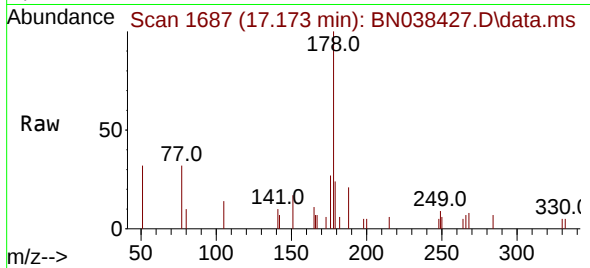




#25
Phenanthrene
Concen: 0.034 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

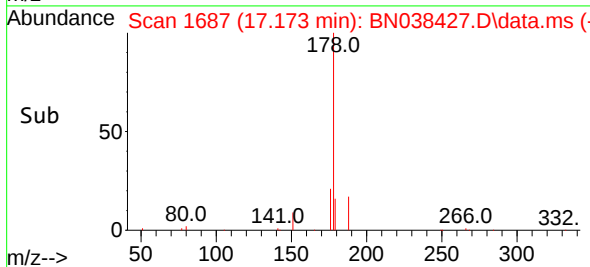
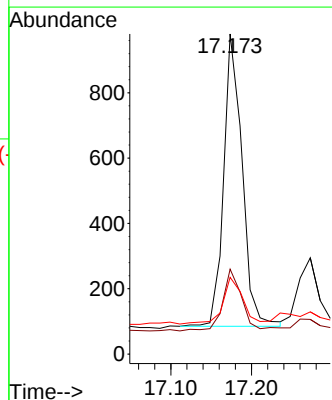
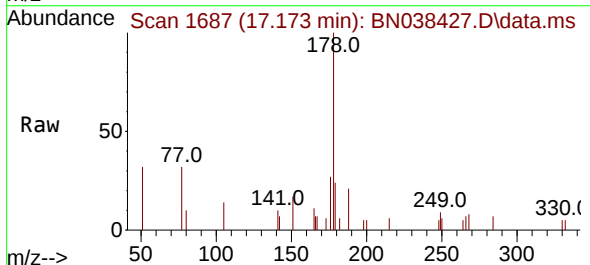
Instrument :
BNA_N
ClientSampleId :
C0AT7

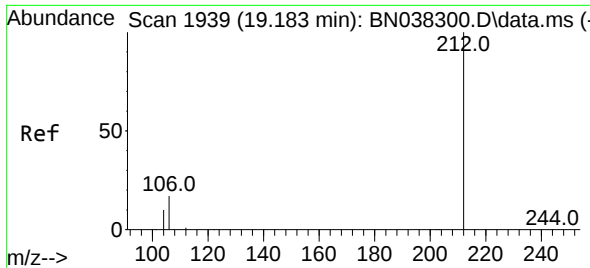
Tgt Ion:178 Resp: 1477
Ion Ratio Lower Upper
178 100
176 21.8 15.5 23.3
179 16.5 12.2 18.2



#26
Anthracene
Concen: 0.037 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.112 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

Tgt Ion:178 Resp: 1423
Ion Ratio Lower Upper
178 100
176 22.3 15.1 22.7
179 17.1 12.0 18.0

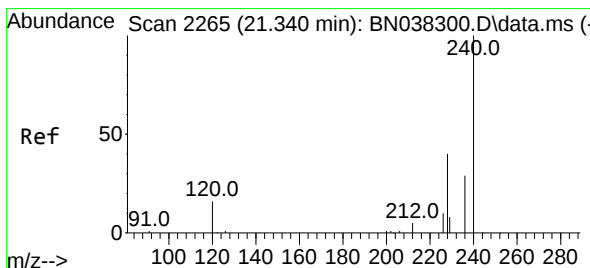
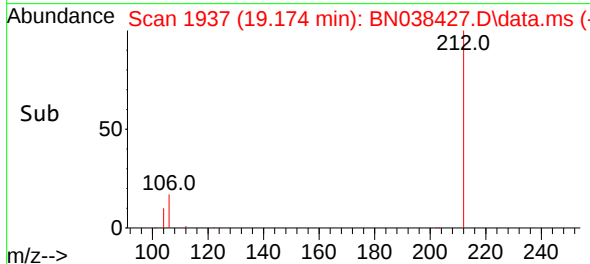
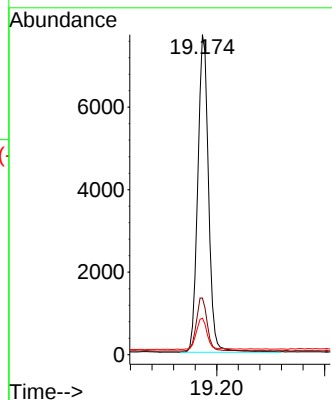
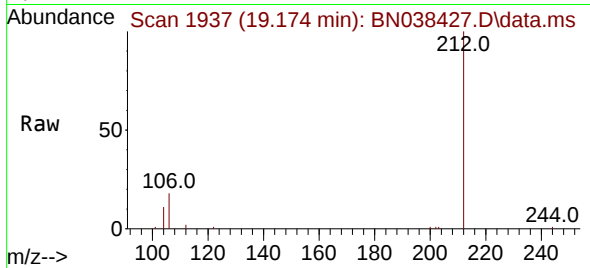




#27
Fluoranthene-d10
Concen: 0.340 ng
RT: 19.174 min Scan# 1937
Delta R.T. -0.014 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

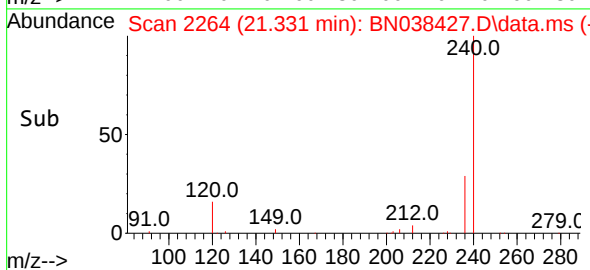
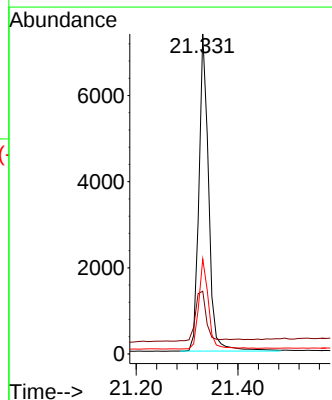
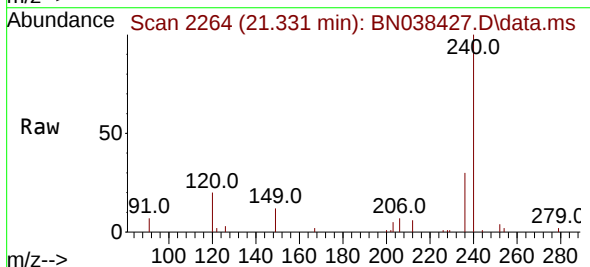
Instrument :
BNA_N
ClientSampleId :
C0AT7

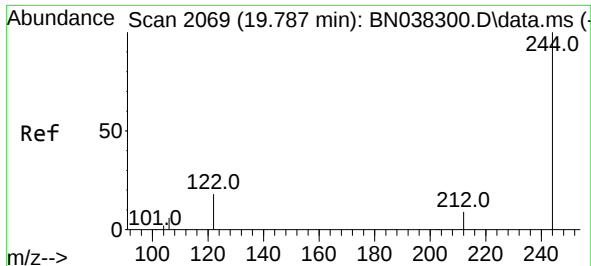
Tgt Ion:212 Resp: 10643
Ion Ratio Lower Upper
212 100
106 17.1 13.7 20.5
104 10.0 7.8 11.8



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 2264
Delta R.T. -0.009 min
Lab File: BN038427.D
Acq: 16 Dec 2025 05:54

Tgt Ion:240 Resp: 9776
Ion Ratio Lower Upper
240 100
120 19.6 15.4 23.2
236 29.7 23.9 35.9

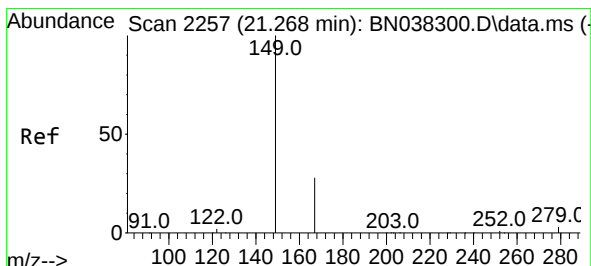
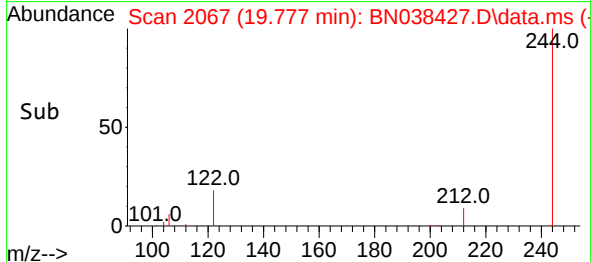
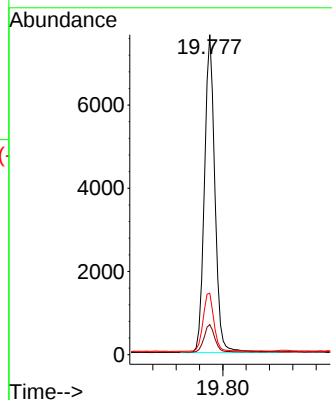
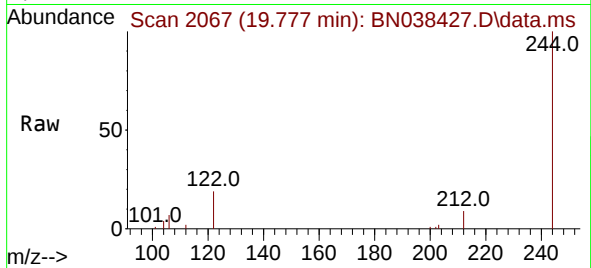




#31
 Terphenyl-d14
 Concen: 0.439 ng
 RT: 19.777 min Scan# 2069
 Delta R.T. -0.014 min
 Lab File: BN038427.D
 Acq: 16 Dec 2025 05:54

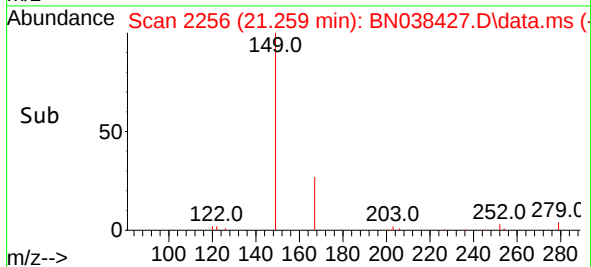
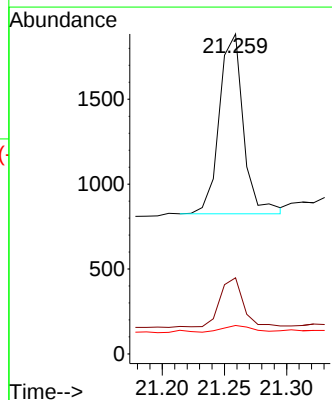
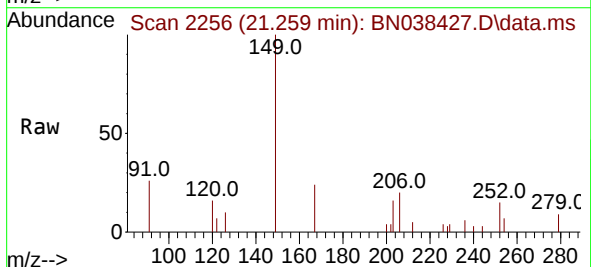
Instrument :
 BNA_N
 ClientSampleId :
 C0AT7

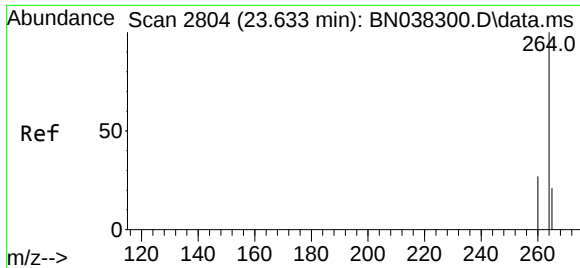
Tgt Ion:244 Resp: 9576
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.9 11.9
 122 19.2 15.0 22.6



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.069 ng
 RT: 21.259 min Scan# 2256
 Delta R.T. -0.009 min
 Lab File: BN038427.D
 Acq: 16 Dec 2025 05:54

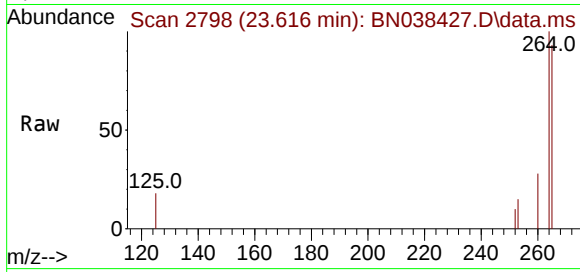
Tgt Ion:149 Resp: 1432
 Ion Ratio Lower Upper
 149 100
 167 27.7 21.4 32.0
 279 4.4 2.4 3.6#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.616 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BN038427.D
 Acq: 16 Dec 2025 05:54

Instrument :
 BNA_N
 ClientSampleId :
 C0AT7



Tgt Ion:264 Resp: 10075

Ion	Ratio	Lower	Upper
264	100		
260	27.9	22.2	33.2
265	93.3	80.2	120.2

