

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121525\
 Data File : BN038426.D
 Acq On : 16 Dec 2025 05:18
 Operator : RC/JU
 Sample : Q3839-24
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AT6

Quant Time: Dec 16 05:48:00 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)

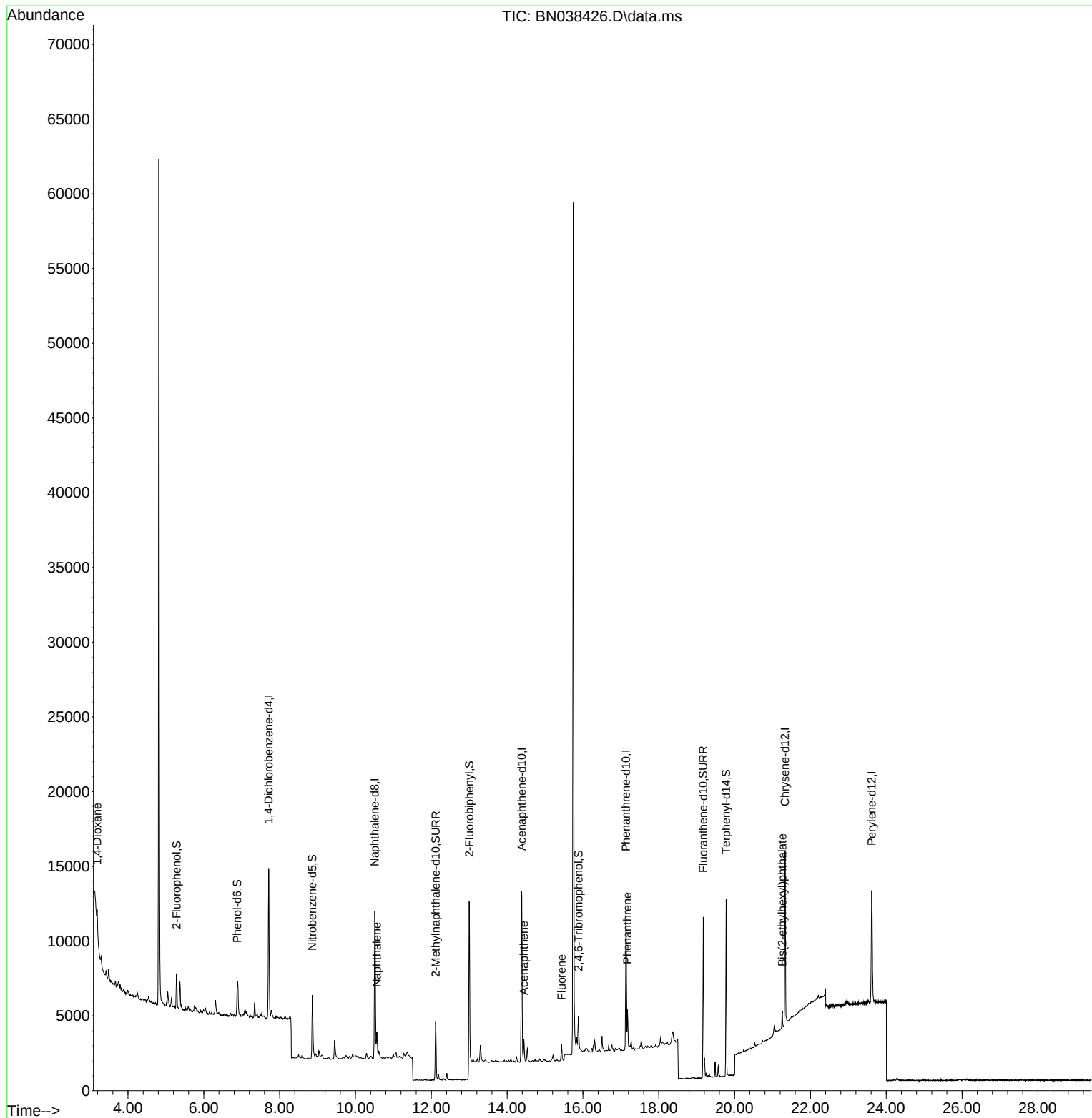
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	5068	0.400	ng	-0.01
7) Naphthalene-d8	10.509	136	13927	0.400	ng	#-0.02
13) Acenaphthene-d10	14.388	164	7320	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13135	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	10180	0.400	ng	0.00
35) Perylene-d12	23.619	264	10413	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.283	112	1940	0.154	ng	0.00
5) Phenol-d6	6.879	99	1394	0.093	ng	0.00
8) Nitrobenzene-d5	8.865	82	3731	0.318	ng	-0.01
11) 2-Methylnaphthalene-d10	12.116	152	5699	0.290	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	1380	0.425	ng	-0.01
15) 2-Fluorobiphenyl	13.004	172	14601	0.414	ng	0.00
27) Fluoranthene-d10	19.174	212	11226	0.346	ng	-0.01
31) Terphenyl-d14	19.778	244	10862	0.478	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.189	88	887	0.153	ng	# 51
9) Naphthalene	10.562	128	2129	0.052	ng	# 88
17) Acenaphthene	14.441	154	702	0.028	ng	93
18) Fluorene	15.435	166	745	0.023	ng	# 95
25) Phenanthrene	17.173	178	2845	0.062	ng	96
34) Bis(2-ethylhexyl)phtha...	21.259	149	1222	0.057	ng	# 94

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

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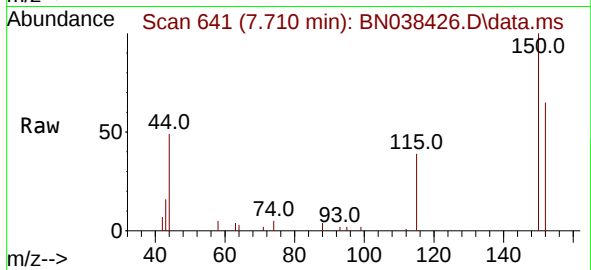
Quant Time: Dec 16 05:48:00 2025
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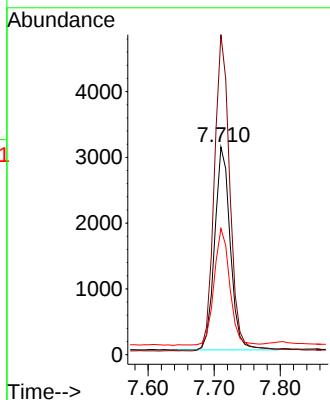
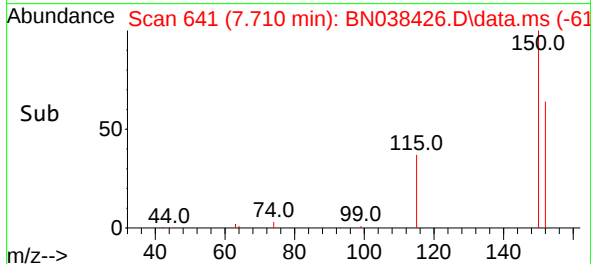


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.710 min Scan# 64
 Delta R.T. -0.014 min
 Lab File: BN038426.D
 Acq: 16 Dec 2025 05:18

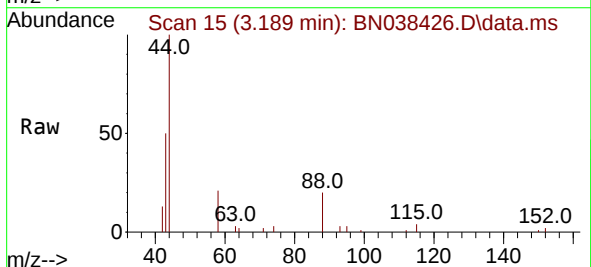
Instrument :
 BNA_N
 ClientSampleId :
 COAT6



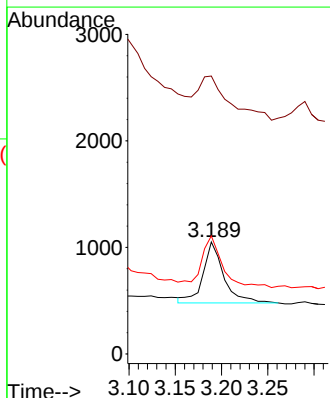
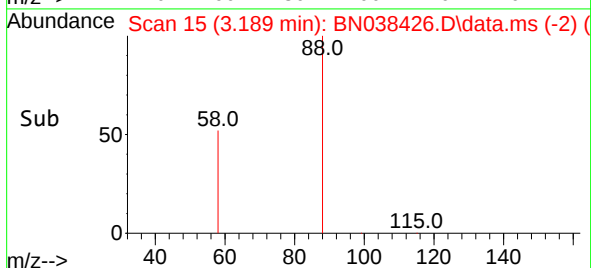
Tgt Ion:152 Resp: 5068
 Ion Ratio Lower Upper
 152 100
 150 154.1 122.4 183.6
 115 60.8 47.3 70.9

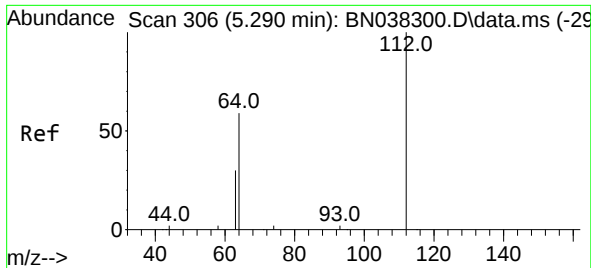


#2
 1,4-Dioxane
 Concen: 0.153 ng
 RT: 3.189 min Scan# 15
 Delta R.T. -0.007 min
 Lab File: BN038426.D
 Acq: 16 Dec 2025 05:18



Tgt Ion: 88 Resp: 887
 Ion Ratio Lower Upper
 88 100
 43 106.8 24.9 37.3#
 58 88.0 61.4 92.0

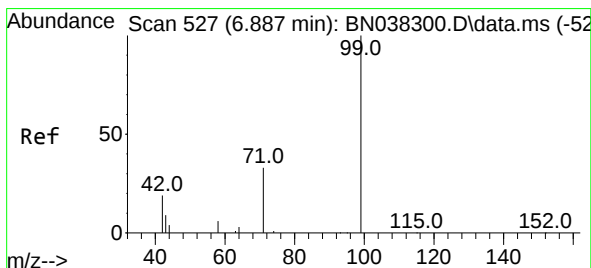
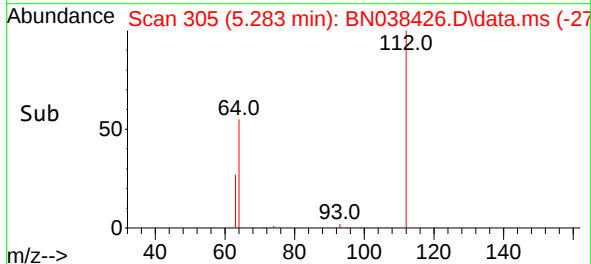
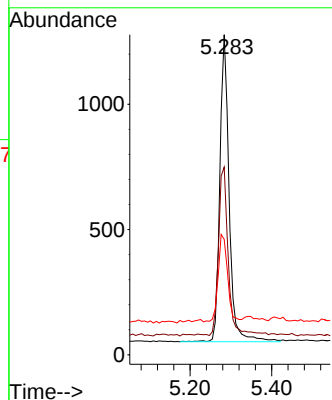
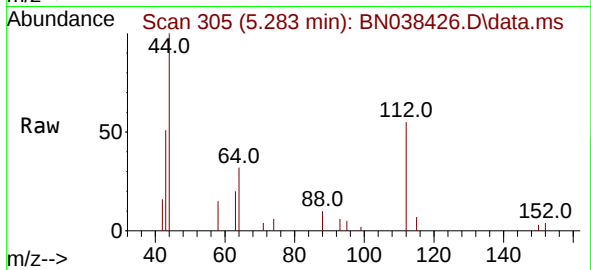




#4
2-Fluorophenol
Concen: 0.154 ng
RT: 5.283 min Scan# 306
Delta R.T. -0.007 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

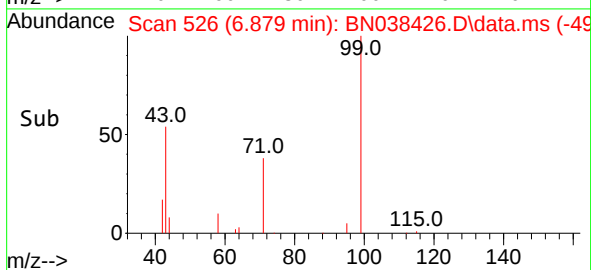
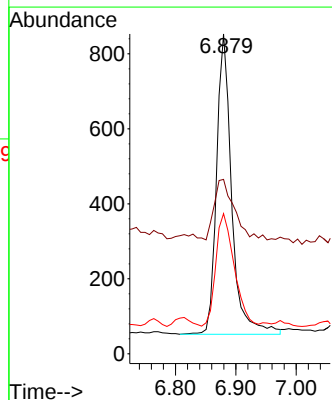
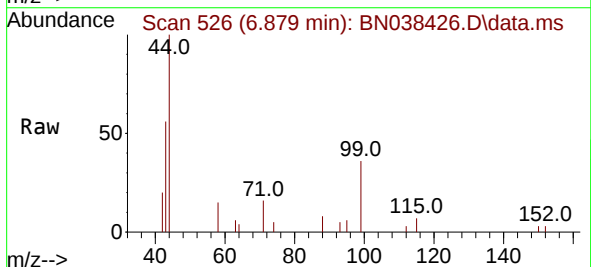
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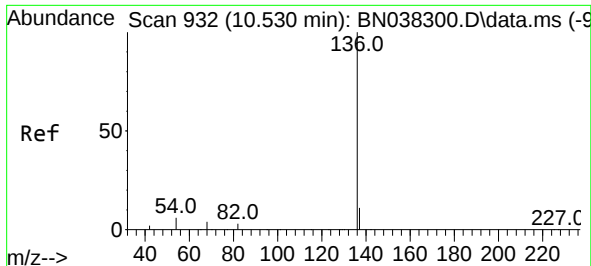
Tgt Ion:112 Resp: 1940
Ion Ratio Lower Upper
112 100
64 56.1 44.4 66.6
63 27.8 23.4 35.0



#5
Phenol-d6
Concen: 0.093 ng
RT: 6.879 min Scan# 526
Delta R.T. -0.007 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

Tgt Ion: 99 Resp: 1394
Ion Ratio Lower Upper
99 100
42 26.3 16.5 24.7#
71 45.8 24.9 37.3#

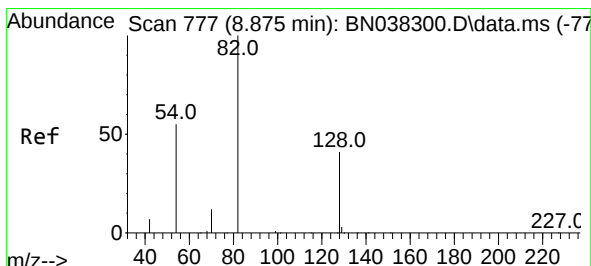
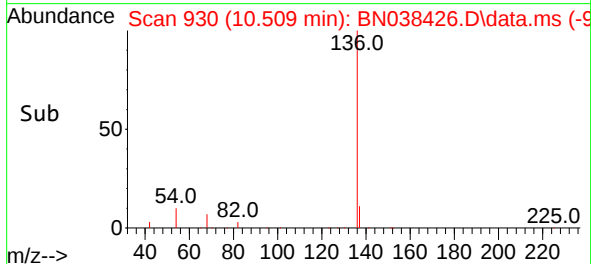
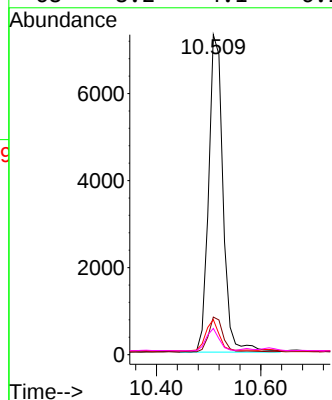
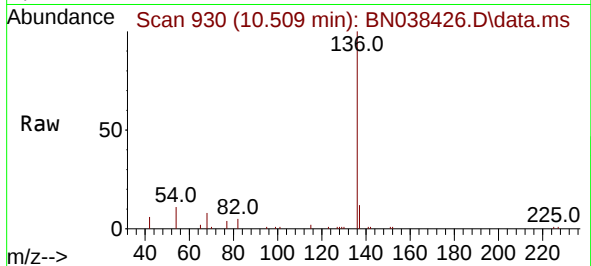




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.509 min Scan# 91
Delta R.T. -0.021 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

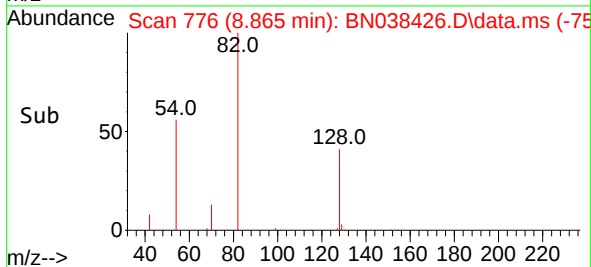
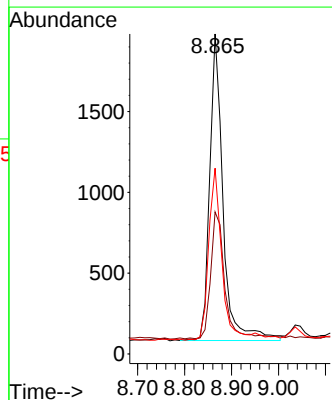
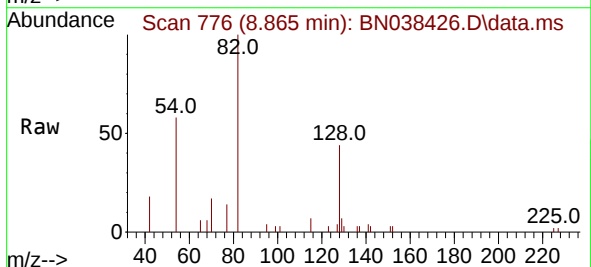
Instrument :
BNA_N
ClientSampleId :
C0AT6

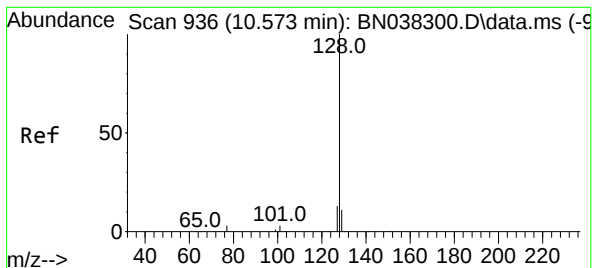
Tgt Ion:136 Resp: 13927
Ion Ratio Lower Upper
136 100
137 11.7 9.1 13.7
54 10.9 5.2 7.8#
68 8.2 4.1 6.1#



#8
Nitrobenzene-d5
Concen: 0.318 ng
RT: 8.865 min Scan# 776
Delta R.T. -0.011 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

Tgt Ion: 82 Resp: 3731
Ion Ratio Lower Upper
82 100
128 44.4 34.0 51.0
54 58.1 44.4 66.6





#9

Naphthalene

Concen: 0.052 ng

RT: 10.562 min Scan# 91

Delta R.T. -0.011 min

Lab File: BN038426.D

Acq: 16 Dec 2025 05:18

Instrument :

BNA_N

ClientSampleId :

C0AT6

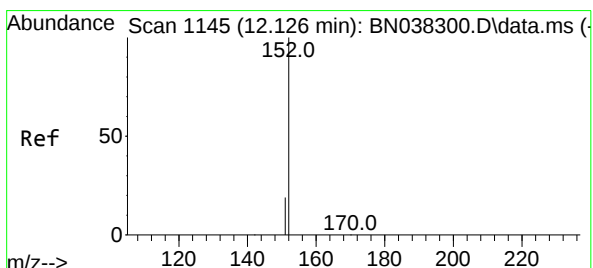
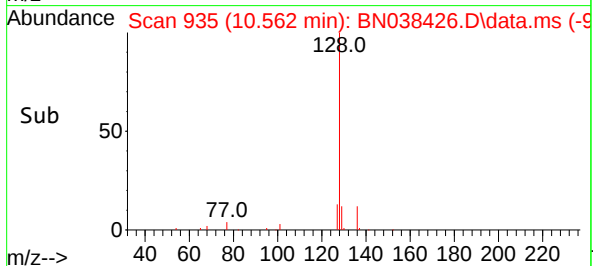
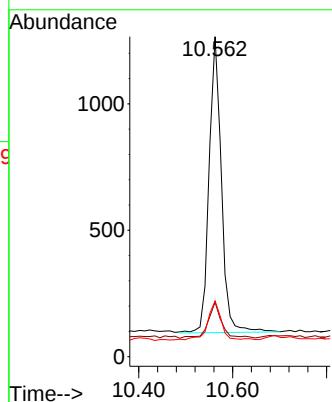
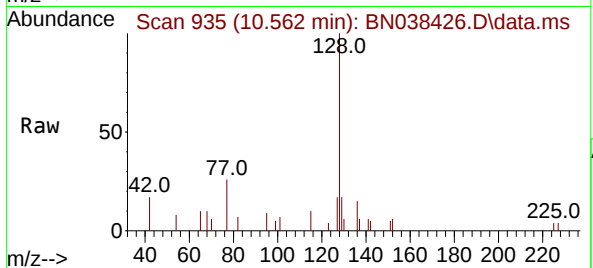
Tgt Ion:128 Resp: 2129

Ion Ratio Lower Upper

128 100

129 17.0 9.1 13.7#

127 17.5 10.9 16.3#



#11

2-Methylnaphthalene-d10

Concen: 0.290 ng

RT: 12.116 min Scan# 1143

Delta R.T. -0.010 min

Lab File: BN038426.D

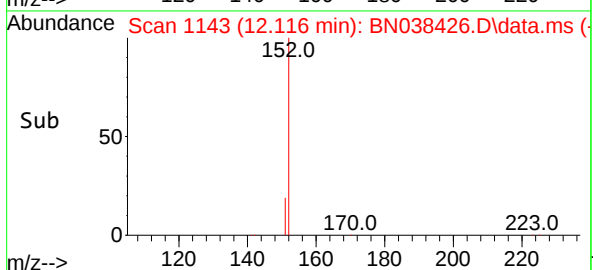
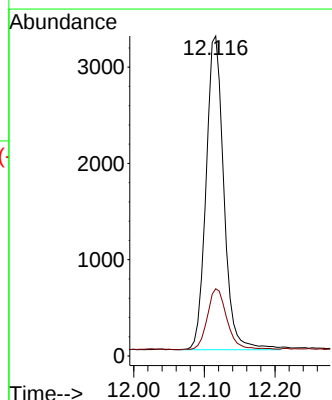
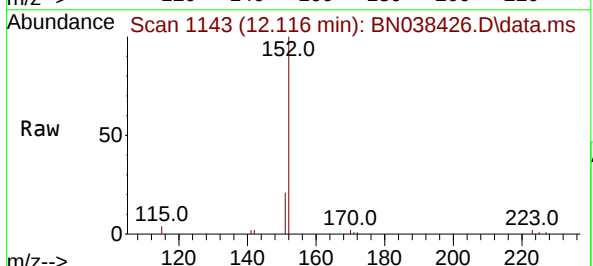
Acq: 16 Dec 2025 05:18

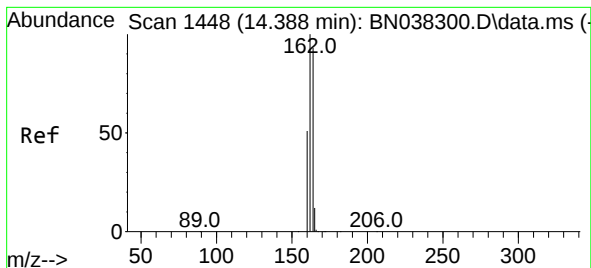
Tgt Ion:152 Resp: 5699

Ion Ratio Lower Upper

152 100

151 21.3 17.0 25.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.388 min Scan# 1448

Delta R.T. -0.011 min

Lab File: BN038426.D

Acq: 16 Dec 2025 05:18

Instrument :

BNA_N

ClientSampleId :

C0AT6

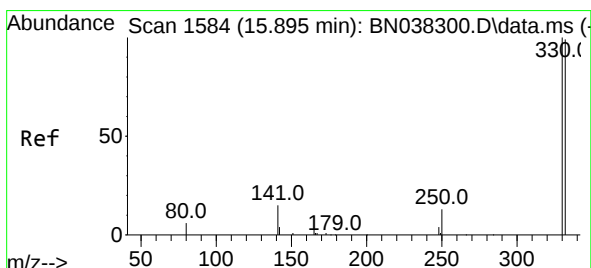
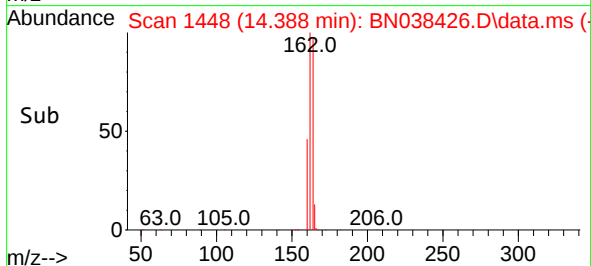
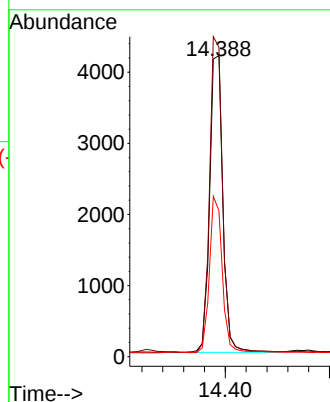
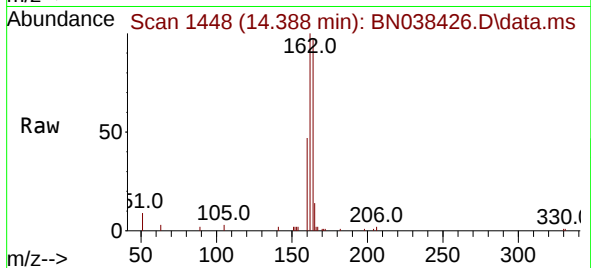
Tgt Ion:164 Resp: 7320

Ion Ratio Lower Upper

164 100

162 102.7 86.2 129.4

160 48.5 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.425 ng

RT: 15.883 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038426.D

Acq: 16 Dec 2025 05:18

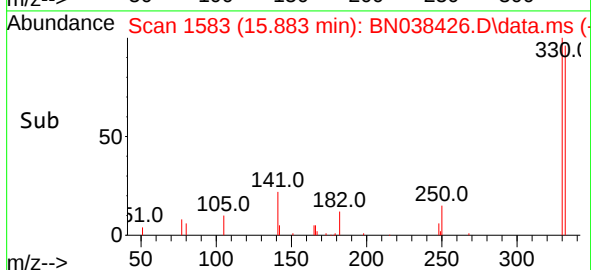
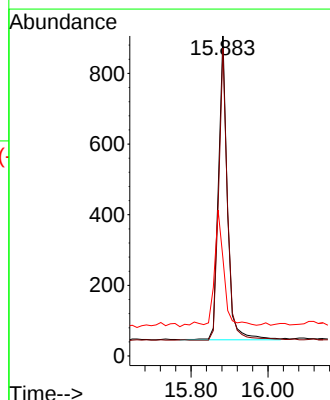
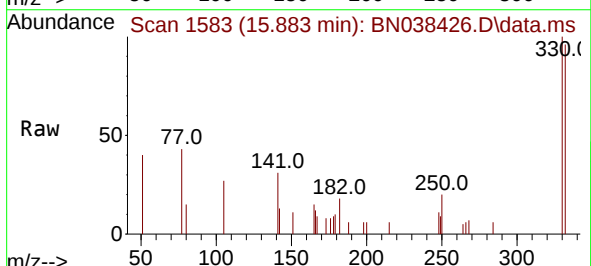
Tgt Ion:330 Resp: 1380

Ion Ratio Lower Upper

330 100

332 94.8 75.8 113.6

141 39.0 31.8 47.8

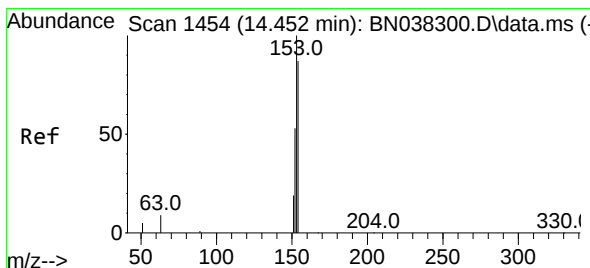
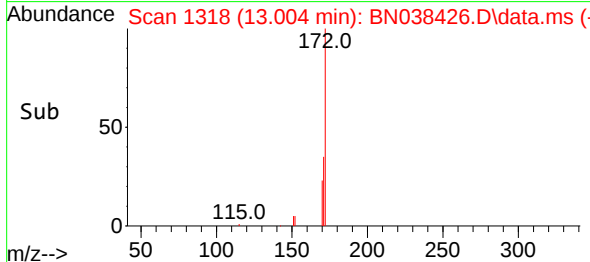
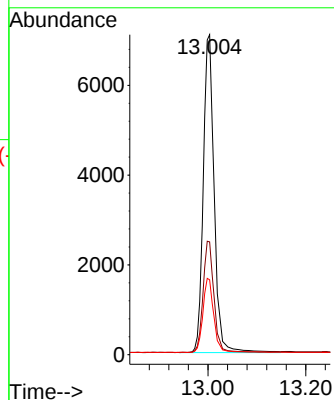
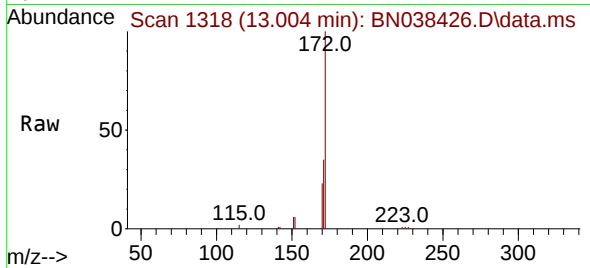




#15
2-Fluorobiphenyl
Concen: 0.414 ng
RT: 13.004 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

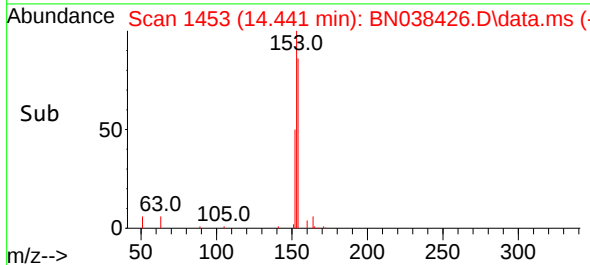
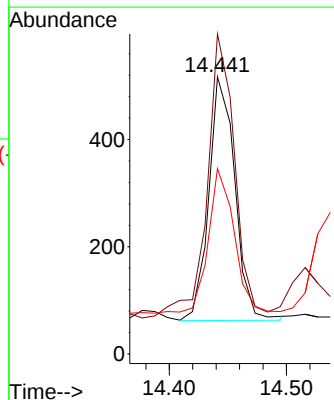
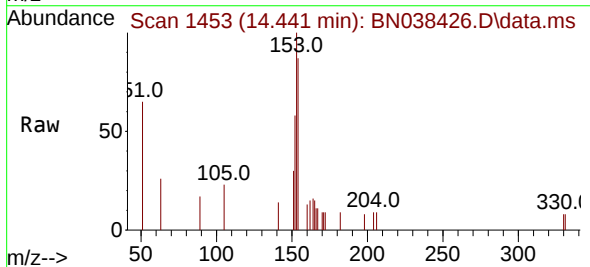
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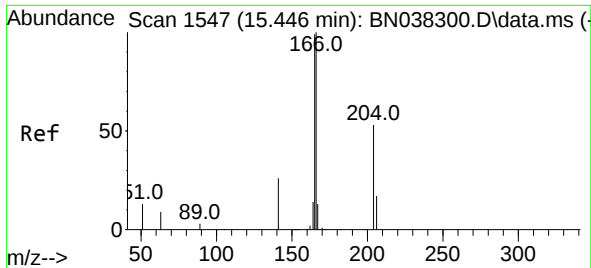
Tgt Ion:172 Resp: 14601
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.4 19.3 28.9



#17
Acenaphthene
Concen: 0.028 ng
RT: 14.441 min Scan# 1453
Delta R.T. -0.021 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

Tgt Ion:154 Resp: 702
Ion Ratio Lower Upper
154 100
153 123.1 89.8 134.8
152 60.5 47.5 71.3

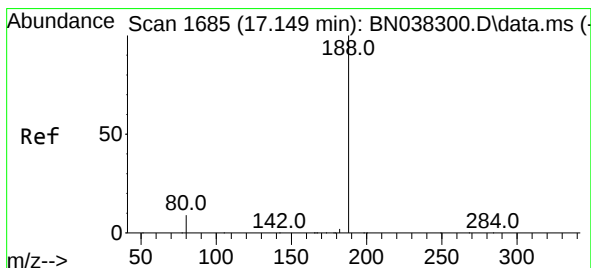
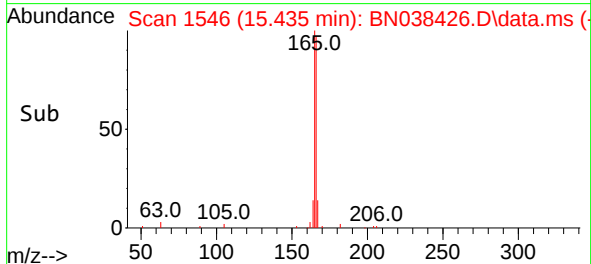
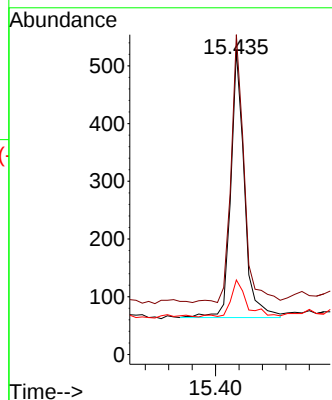
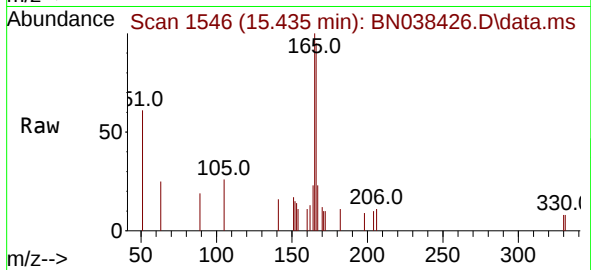




#18
 Fluorene
 Concen: 0.023 ng
 RT: 15.435 min Scan# 1546
 Delta R.T. -0.011 min
 Lab File: BN038426.D
 Acq: 16 Dec 2025 05:18

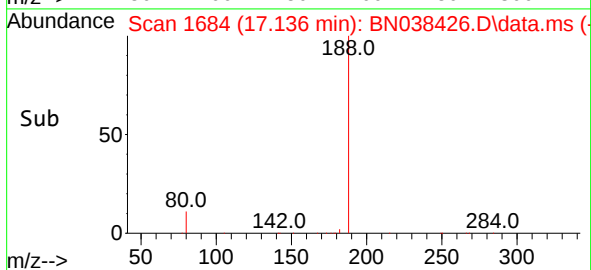
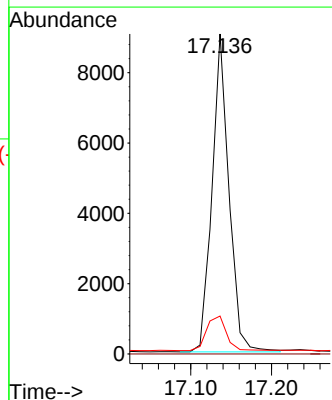
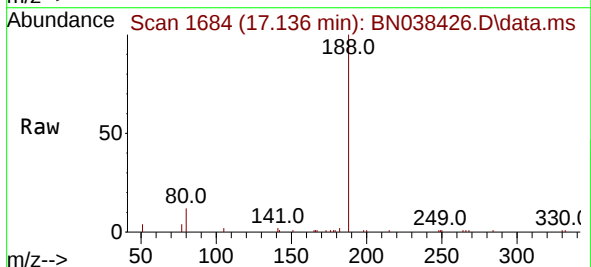
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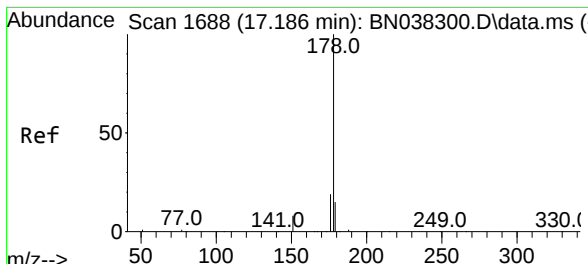
Tgt Ion:166 Resp: 745
 Ion Ratio Lower Upper
 166 100
 165 96.1 80.2 120.4
 167 16.5 10.6 16.0#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.136 min Scan# 1684
 Delta R.T. -0.012 min
 Lab File: BN038426.D
 Acq: 16 Dec 2025 05:18

Tgt Ion:188 Resp: 13135
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 11.9 7.4 11.0#

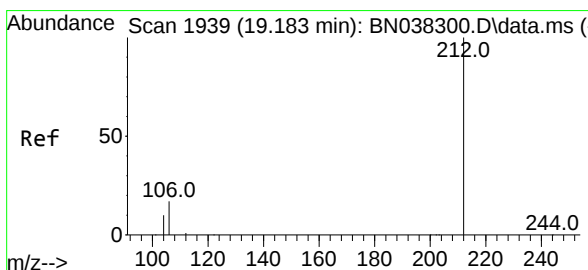
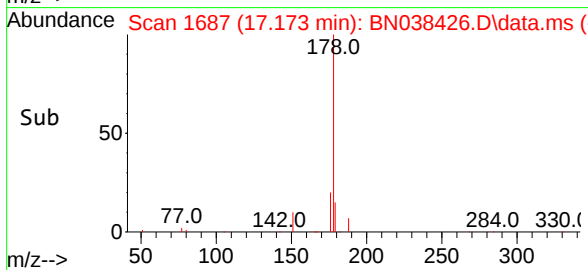
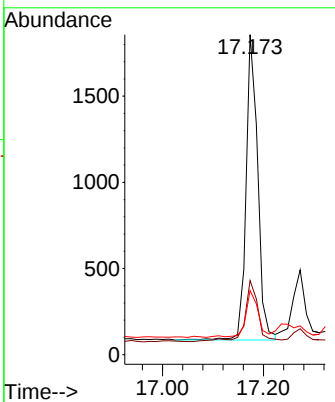
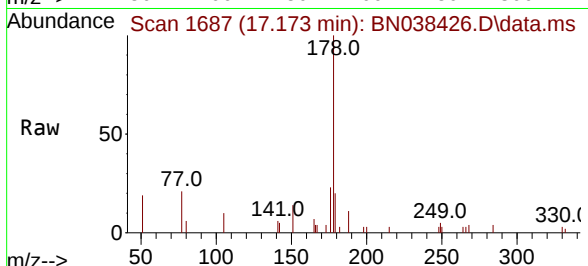




#25
 Phenanthrene
 Concen: 0.062 ng
 RT: 17.173 min Scan# 1687
 Delta R.T. -0.012 min
 Lab File: BN038426.D
 Acq: 16 Dec 2025 05:18

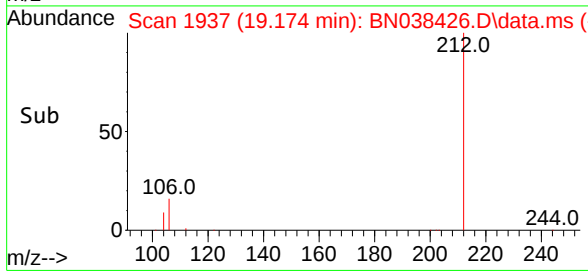
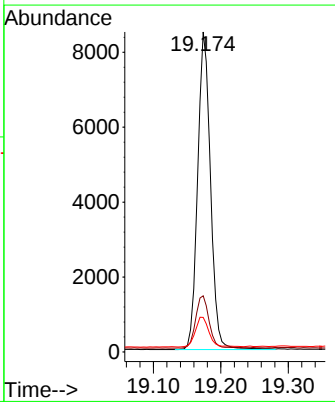
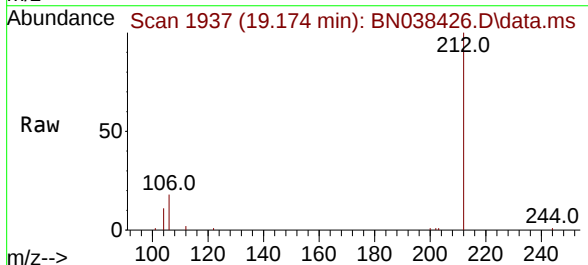
Instrument :
 BNA_N
 ClientSampleId :
 C0AT6

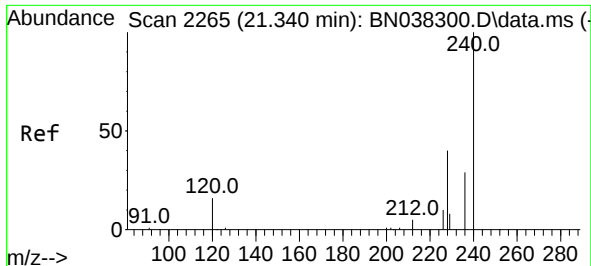
Tgt Ion:	178	Resp:	2845
Ion	Ratio	Lower	Upper
178	100		
176	22.5	15.5	23.3
179	15.2	12.2	18.2



#27
 Fluoranthene-d10
 Concen: 0.346 ng
 RT: 19.174 min Scan# 1937
 Delta R.T. -0.014 min
 Lab File: BN038426.D
 Acq: 16 Dec 2025 05:18

Tgt Ion:	212	Resp:	11226
Ion	Ratio	Lower	Upper
212	100		
106	17.2	13.7	20.5
104	10.1	7.8	11.8

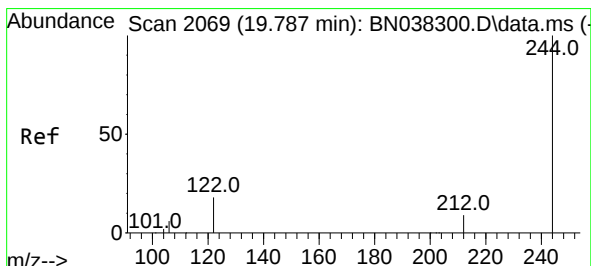
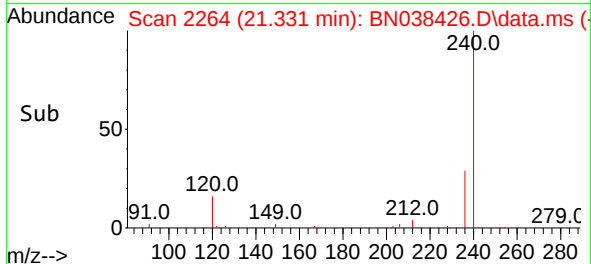
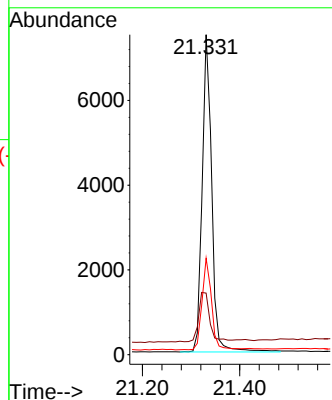
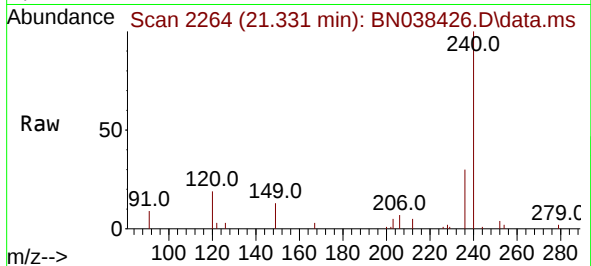




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.331 min Scan# 21
Delta R.T. -0.009 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

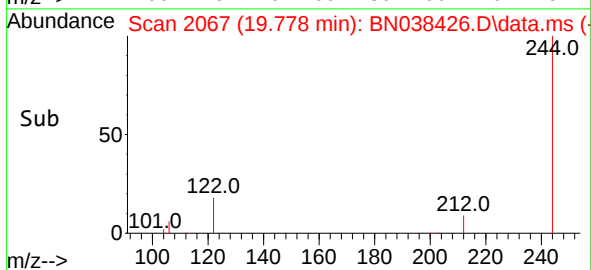
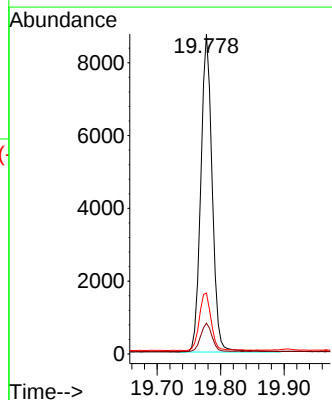
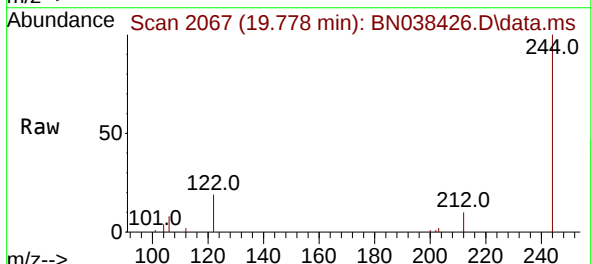
Instrument :
BNA_N
ClientSampleId :
C0AT6

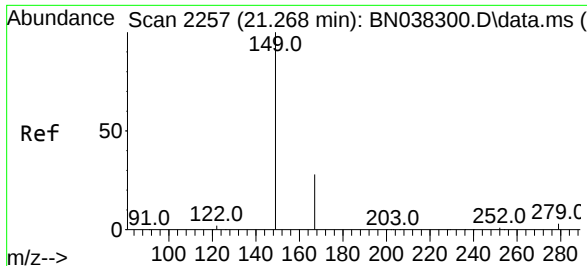
Tgt Ion:240 Resp: 10180
Ion Ratio Lower Upper
240 100
120 19.2 15.4 23.2
236 30.1 23.9 35.9



#31
Terphenyl-d14
Concen: 0.478 ng
RT: 19.778 min Scan# 2067
Delta R.T. -0.014 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

Tgt Ion:244 Resp: 10862
Ion Ratio Lower Upper
244 100
212 9.6 7.9 11.9
122 19.0 15.0 22.6

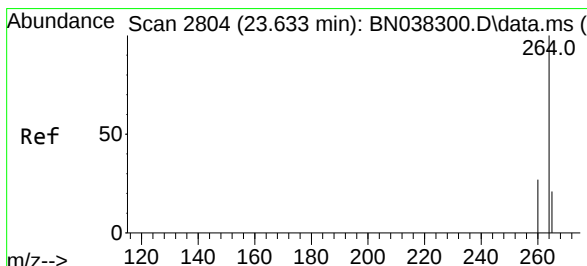
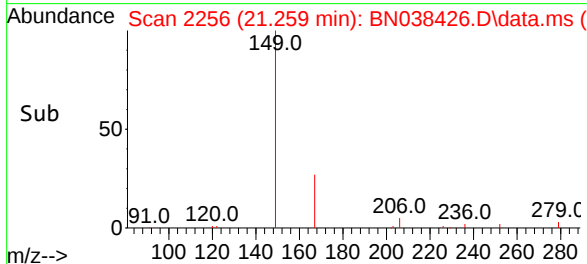
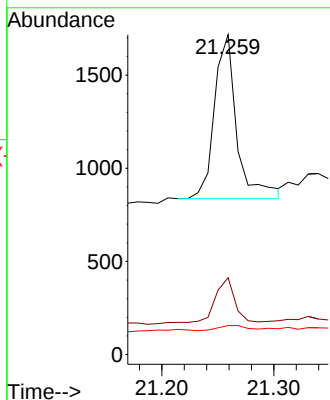
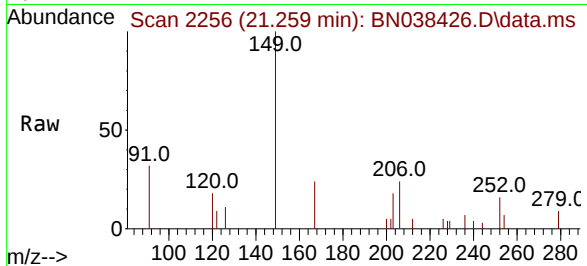




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.057 ng
RT: 21.259 min Scan# 21222
Delta R.T. -0.009 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

Instrument :
BNA_N
ClientSampleId :
C0AT6

Tgt Ion:149 Resp: 1222
Ion Ratio Lower Upper
149 100
167 23.2 21.4 32.0
279 4.3 2.4 3.6#



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.619 min Scan# 2799
Delta R.T. -0.014 min
Lab File: BN038426.D
Acq: 16 Dec 2025 05:18

Tgt Ion:264 Resp: 10413
Ion Ratio Lower Upper
264 100
260 27.6 22.2 33.2
265 91.7 80.2 120.2

