

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN121225\
 Data File : BN038375.D
 Acq On : 13 Dec 2025 06:42
 Operator : RC/JU
 Sample : Q3839-15
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

Quant Time: Dec 14 22:20:49 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)

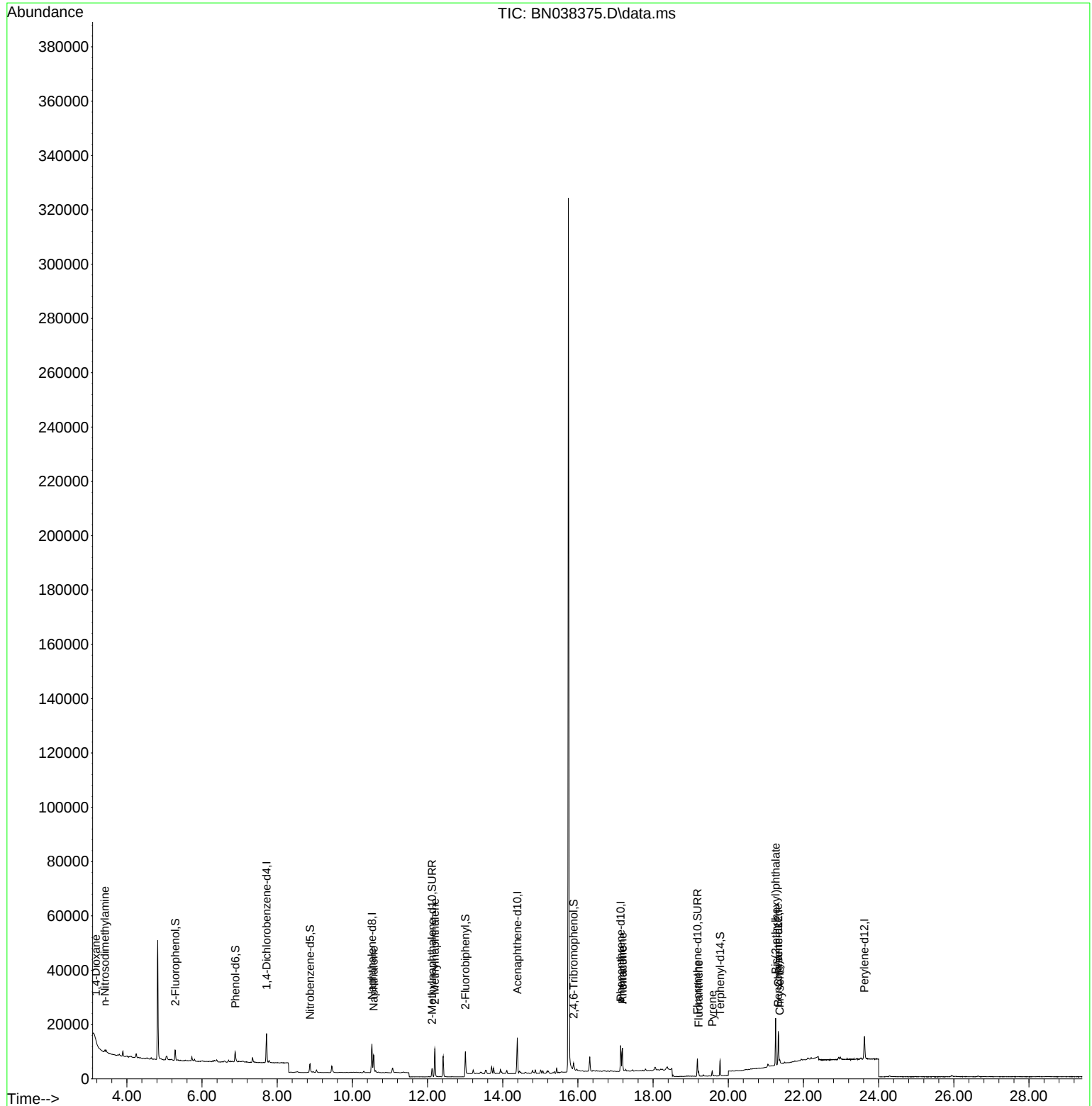
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	5279	0.400	ng	0.00
7) Naphthalene-d8	10.520	136	14095	0.400	ng	#-0.01
13) Acenaphthene-d10	14.388	164	7319	0.400	ng	-0.01
19) Phenanthrene-d10	17.136	188	13259	0.400	ng	#-0.01
29) Chrysene-d12	21.331	240	10986	0.400	ng	# 0.00
35) Perylene-d12	23.622	264	11579	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.291	112	3185	0.242	ng	0.00
5) Phenol-d6	6.887	99	3666	0.235	ng	0.00
8) Nitrobenzene-d5	8.875	82	3070	0.258	ng	0.00
11) 2-Methylnaphthalene-d10	12.121	152	4404	0.221	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	720	0.222	ng	-0.01
15) 2-Fluorobiphenyl	13.003	172	9473	0.269	ng	0.00
27) Fluoranthene-d10	19.178	212	6931	0.211	ng	0.00
31) Terphenyl-d14	19.782	244	5435	0.222	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.174	88	140	0.023	ng	# 20
3) n-Nitrosodimethylamine	3.413	42	1143	0.151	ng	# 1
9) Naphthalene	10.562	128	9230	0.222	ng	97
12) 2-Methylnaphthalene	12.192	142	7883	0.298	ng	98
25) Phenanthrene	17.186	178	9821	0.213	ng	99
26) Anthracene	17.186	178	9752	0.245	ng	99
28) Fluoranthene	19.211	202	1564	0.032	ng	# 91
30) Pyrene	19.573	202	1642	0.030	ng	# 95
32) Benzo(a)anthracene	21.322	228	922	0.022	ng	# 79
33) Chrysene	21.366	228	1553	0.033	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.259	149	14195	0.610	ng	99

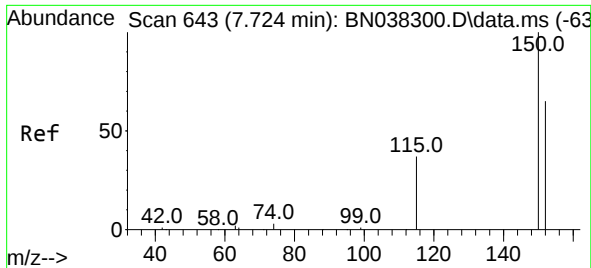
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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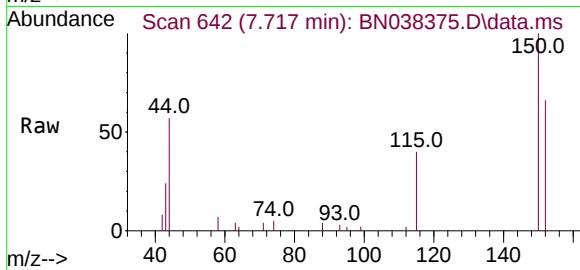
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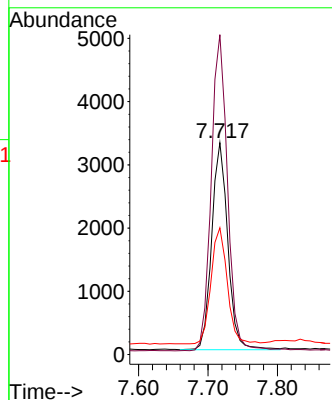
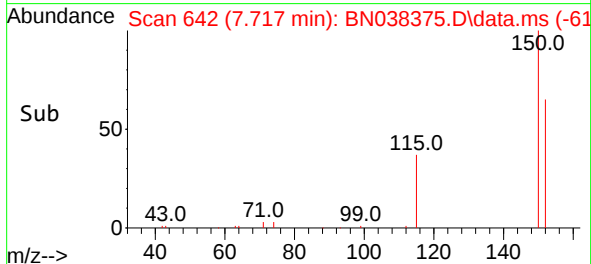


#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.717 min Scan# 64
 Delta R.T. -0.007 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

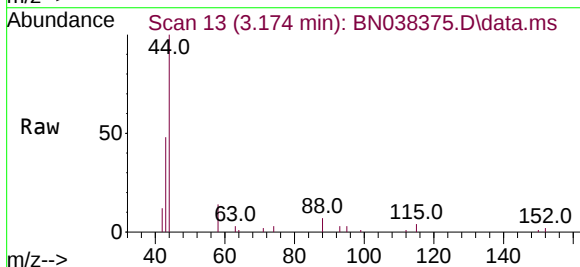
Instrument :
 BNA_N
 ClientSampleId :
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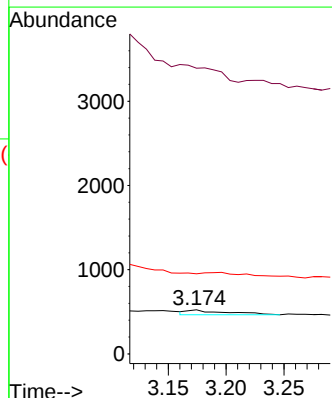
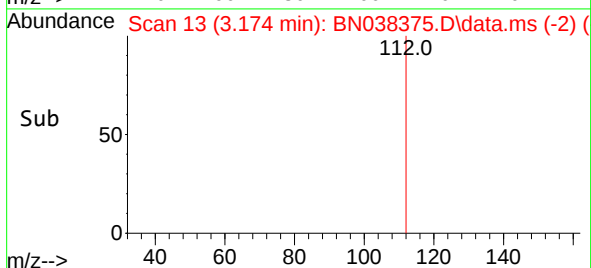
Tgt Ion:152 Resp: 5279
 Ion Ratio Lower Upper
 152 100
 150 151.0 122.4 183.6
 115 59.8 47.3 70.9

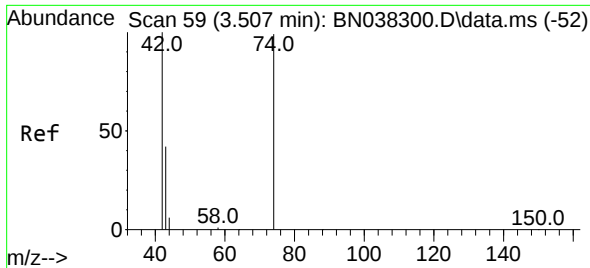


#2
 1,4-Dioxane
 Concen: 0.023 ng
 RT: 3.174 min Scan# 13
 Delta R.T. -0.022 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42



Tgt Ion: 88 Resp: 140
 Ion Ratio Lower Upper
 88 100
 43 0.0 24.9 37.3#
 58 0.0 61.4 92.0#

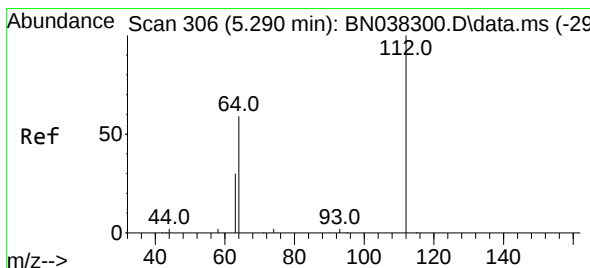
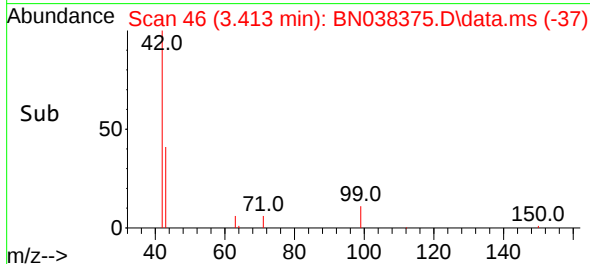
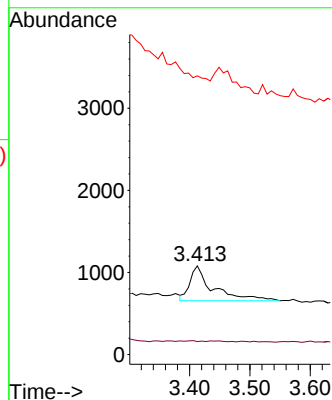
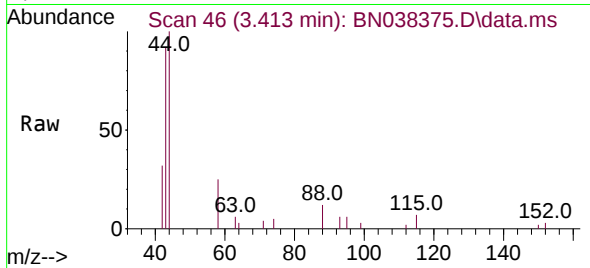




#3
 n-Nitrosodimethylamine
 Concen: 0.151 ng
 RT: 3.413 min Scan# 40
 Delta R.T. -0.087 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

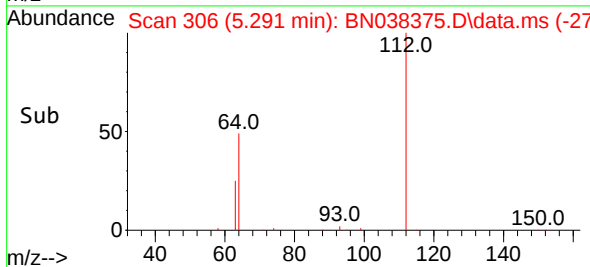
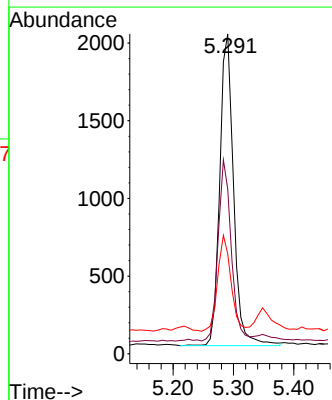
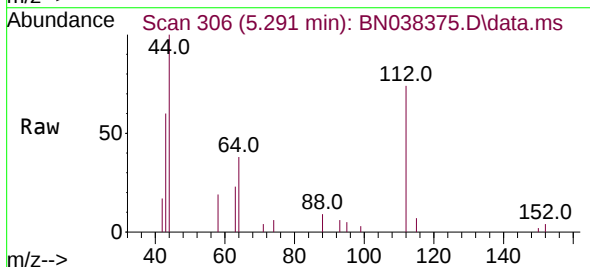
Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

Tgt Ion: 42 Resp: 1143
 Ion Ratio Lower Upper
 42 100
 74 0.0 95.3 142.9#
 44 0.0 7.9 11.9#



#4
 2-Fluorophenol
 Concen: 0.242 ng
 RT: 5.291 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

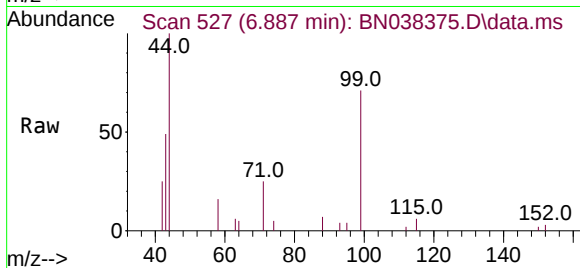
Tgt Ion: 112 Resp: 3185
 Ion Ratio Lower Upper
 112 100
 64 55.2 44.4 66.6
 63 29.4 23.4 35.0



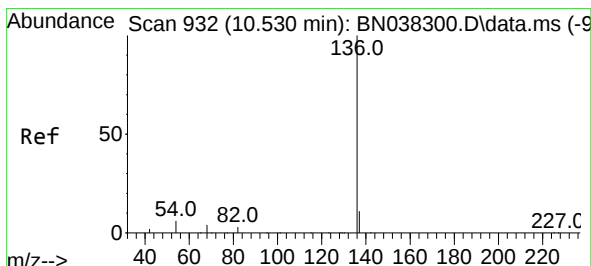
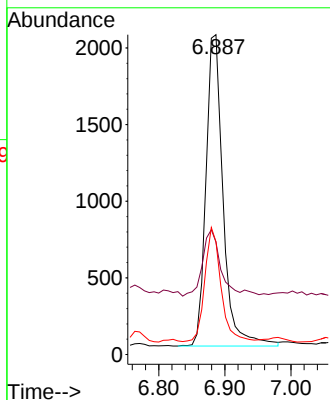
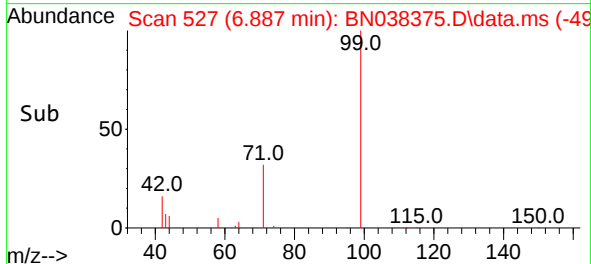


#5
Phenol-d6
Concen: 0.235 ng
RT: 6.887 min Scan# 51
Delta R.T. 0.000 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

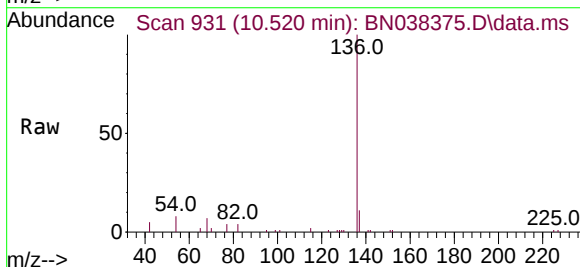
Instrument :
BNA_N
ClientSampleId :
C0AS4



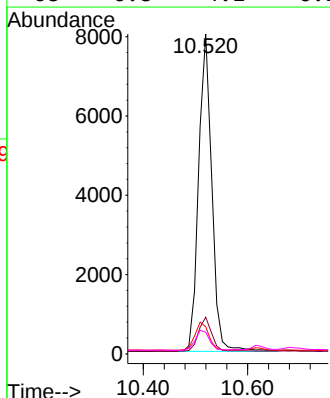
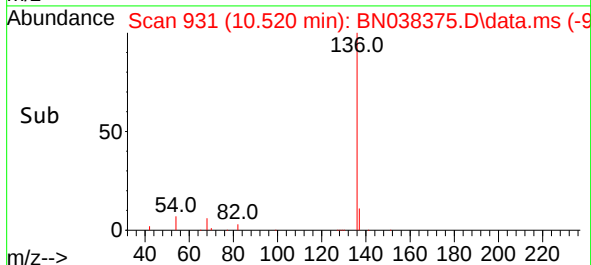
Tgt Ion:	99	Resp:	3666
Ion	Ratio	Lower	Upper
99	100		
42	21.8	16.5	24.7
71	34.9	24.9	37.3



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.520 min Scan# 931
Delta R.T. -0.011 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42



Tgt Ion:	136	Resp:	14095
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	8.5	5.2	7.8#
68	6.8	4.1	6.1#

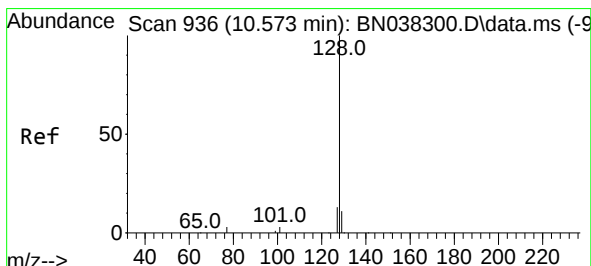
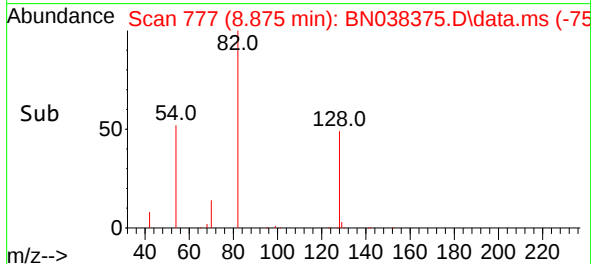
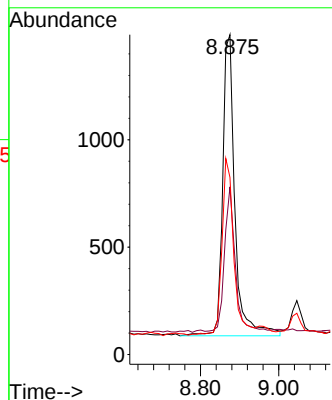
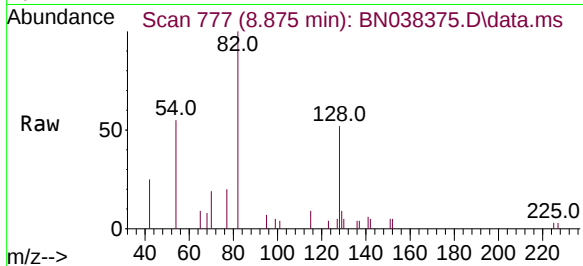




#8
 Nitrobenzene-d5
 Concen: 0.258 ng
 RT: 8.875 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

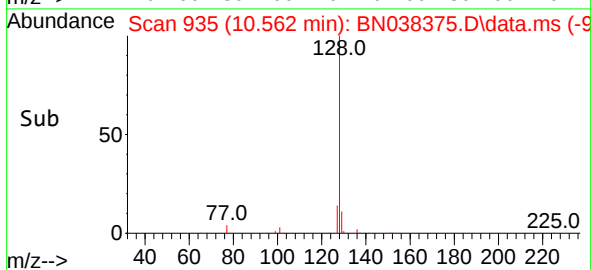
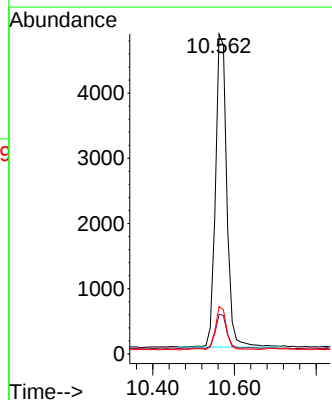
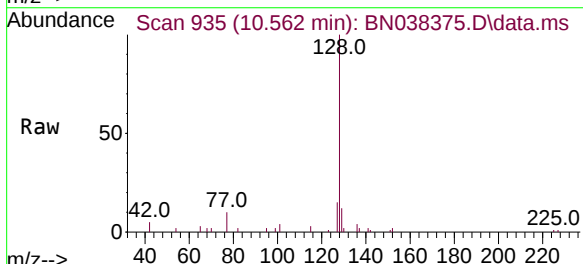
Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

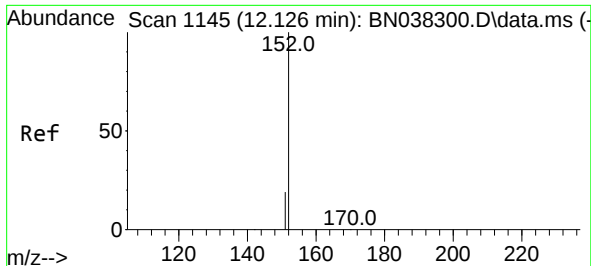
Tgt Ion: 82 Resp: 3070
 Ion Ratio Lower Upper
 82 100
 128 52.4 34.0 51.0#
 54 55.4 44.4 66.6



#9
 Naphthalene
 Concen: 0.222 ng
 RT: 10.562 min Scan# 935
 Delta R.T. -0.011 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

Tgt Ion: 128 Resp: 9230
 Ion Ratio Lower Upper
 128 100
 129 12.4 9.1 13.7
 127 14.8 10.9 16.3

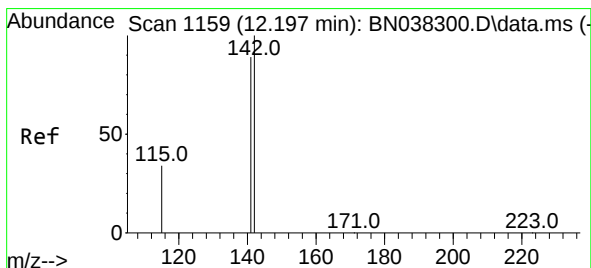
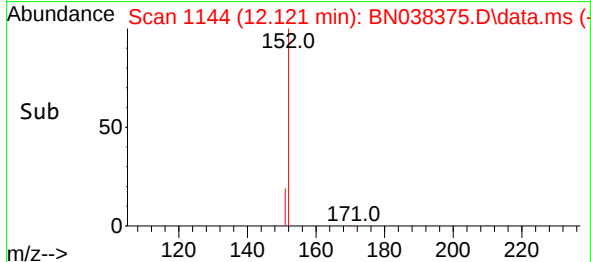
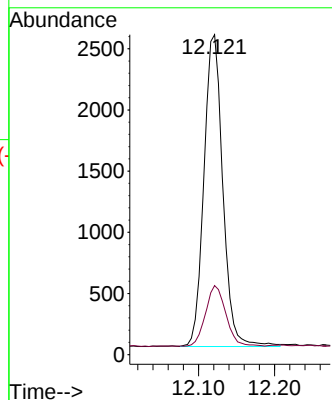
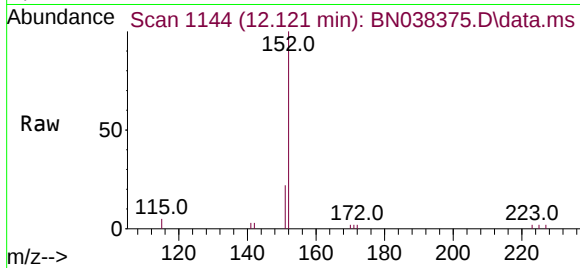




#11
2-Methylnaphthalene-d10
Concen: 0.221 ng
RT: 12.121 min Scan# 1144
Delta R.T. -0.005 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

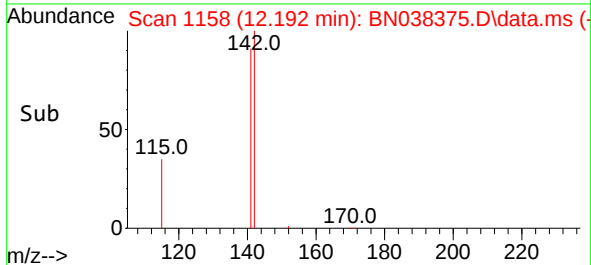
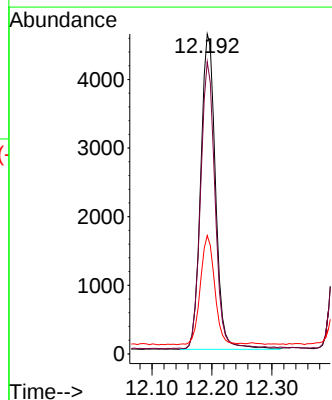
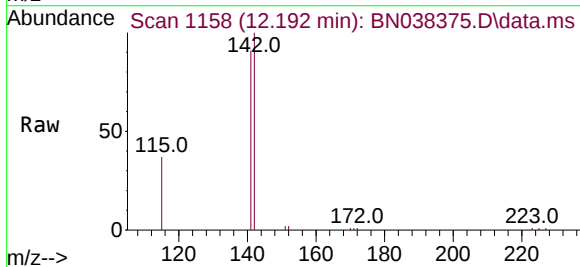
Instrument :
BNA_N
ClientSampleId :
C0AS4

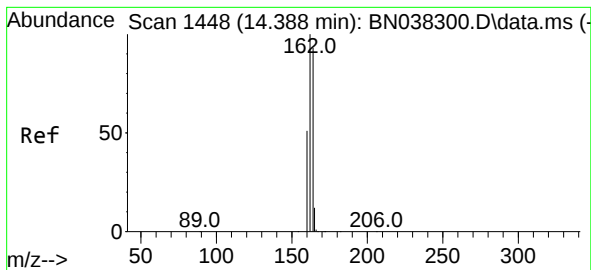
Tgt Ion:152 Resp: 4404
Ion Ratio Lower Upper
152 100
151 20.9 17.0 25.6



#12
2-Methylnaphthalene
Concen: 0.298 ng
RT: 12.192 min Scan# 1158
Delta R.T. -0.010 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

Tgt Ion:142 Resp: 7883
Ion Ratio Lower Upper
142 100
141 91.3 71.4 107.2
115 37.0 28.4 42.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.388 min Scan# 1448

Delta R.T. -0.011 min

Lab File: BN038375.D

Acq: 13 Dec 2025 06:42

Instrument :

BNA_N

ClientSampleId :

C0AS4

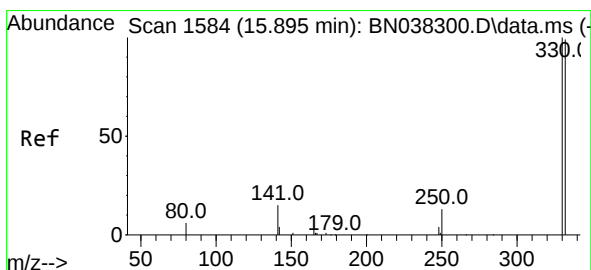
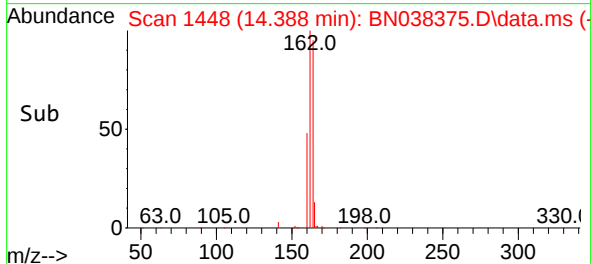
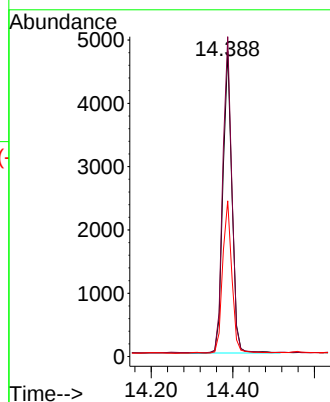
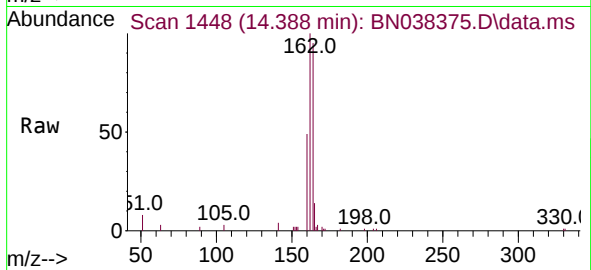
Tgt Ion:164 Resp: 7319

Ion Ratio Lower Upper

164 100

162 104.8 86.2 129.4

160 51.0 44.6 67.0



#14

2,4,6-Tribromophenol

Concen: 0.222 ng

RT: 15.883 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BN038375.D

Acq: 13 Dec 2025 06:42

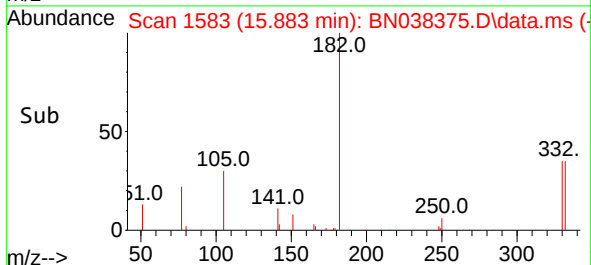
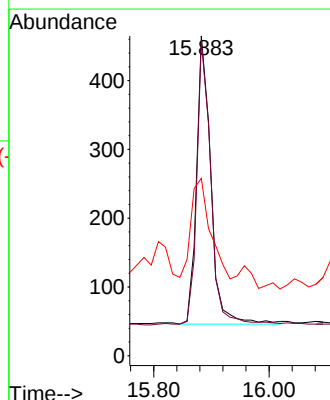
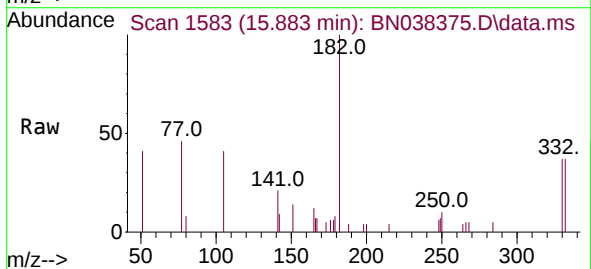
Tgt Ion:330 Resp: 720

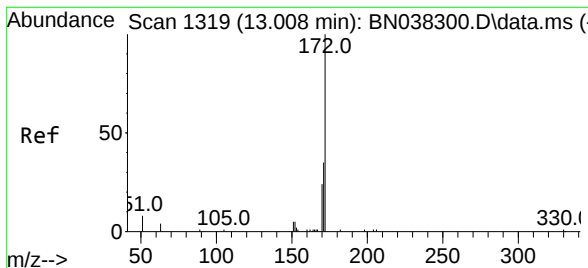
Ion Ratio Lower Upper

330 100

332 97.1 75.8 113.6

141 46.3 31.8 47.8





#15

2-Fluorobiphenyl

Concen: 0.269 ng

RT: 13.003 min Scan# 1319

Delta R.T. -0.005 min

Lab File: BN038375.D

Acq: 13 Dec 2025 06:42

Instrument :

BNA_N

ClientSampleId :

C0AS4

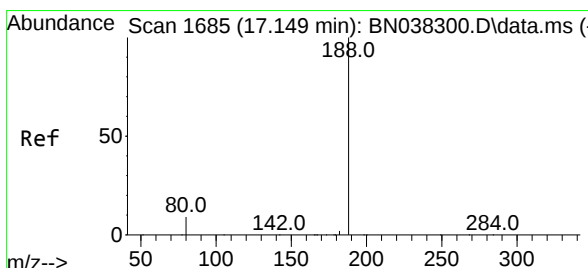
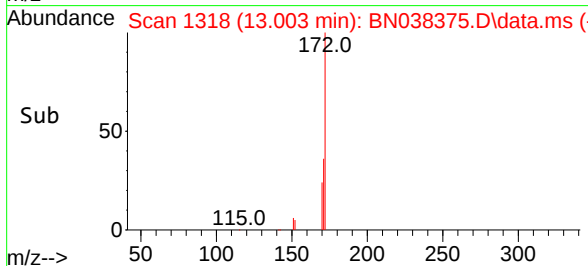
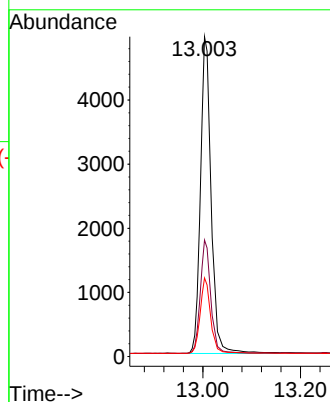
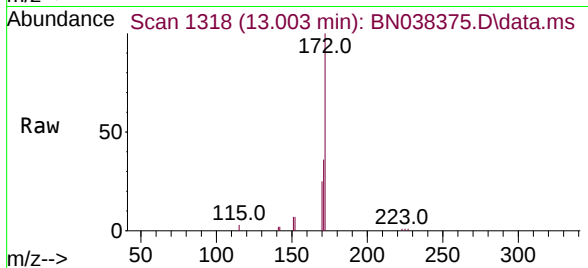
Tgt Ion:172 Resp: 9473

Ion Ratio Lower Upper

172 100

171 36.4 28.6 42.8

170 24.6 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: BN038375.D

Acq: 13 Dec 2025 06:42

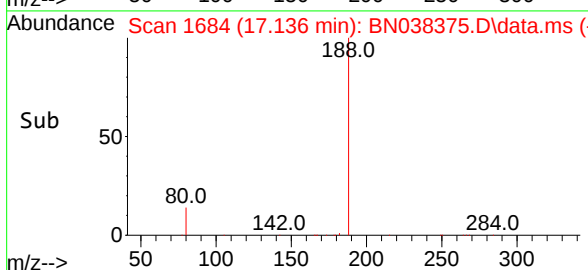
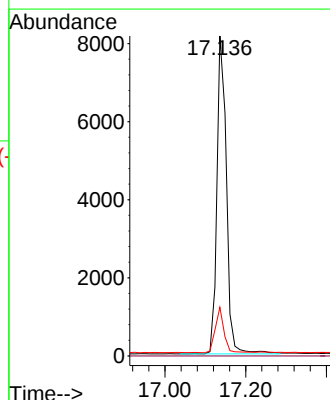
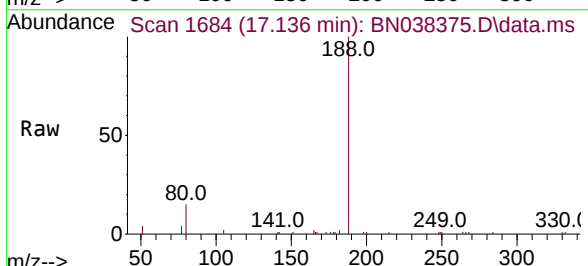
Tgt Ion:188 Resp: 13259

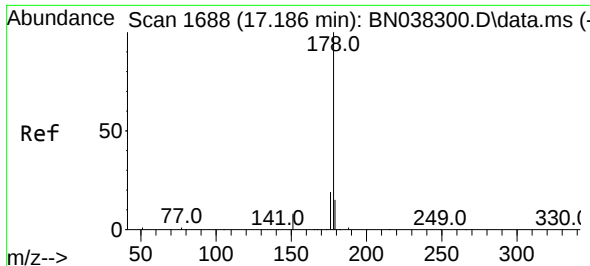
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.2 7.4 11.0#

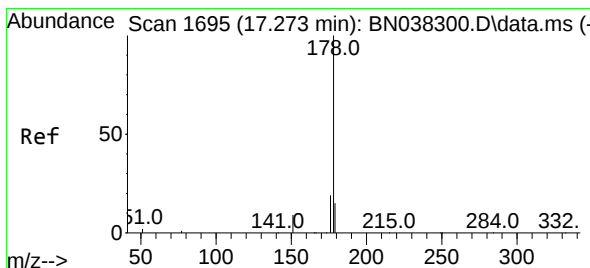
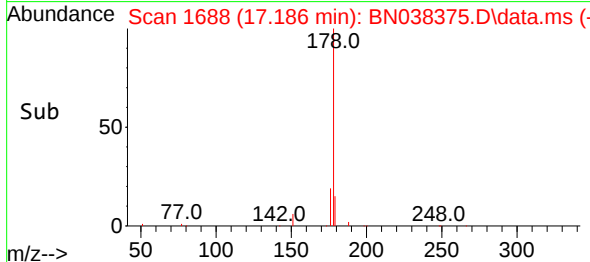
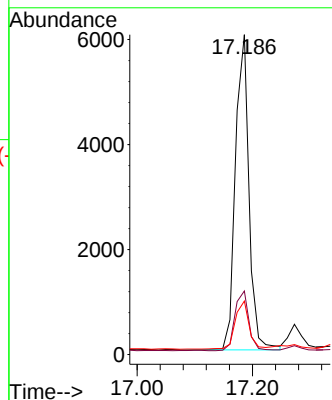
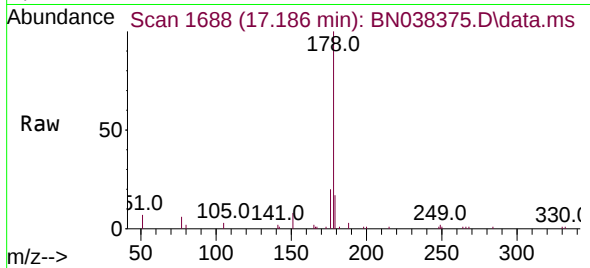




#25
 Phenanthrene
 Concen: 0.213 ng
 RT: 17.186 min Scan# 1688
 Delta R.T. 0.000 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

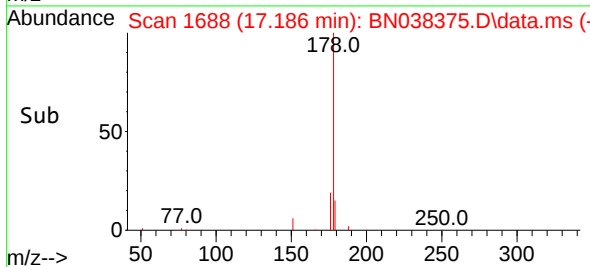
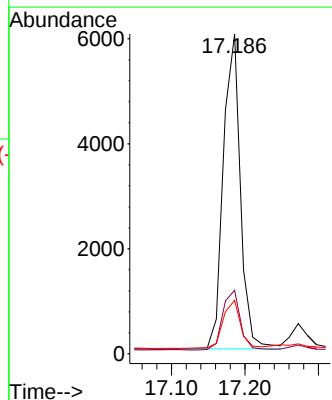
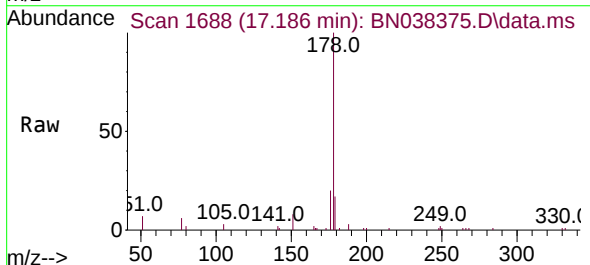
Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

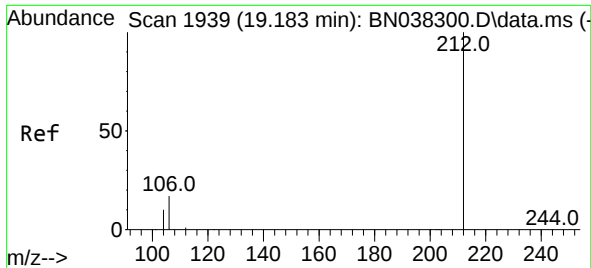
Tgt Ion:	178	Resp:	9821
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.5	23.3
179	15.6	12.2	18.2



#26
 Anthracene
 Concen: 0.245 ng
 RT: 17.186 min Scan# 1688
 Delta R.T. -0.099 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

Tgt Ion:	178	Resp:	9752
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.1	22.7
179	15.7	12.0	18.0

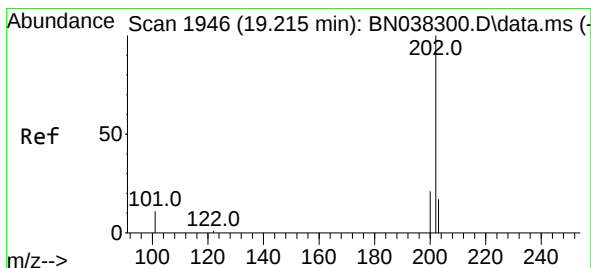
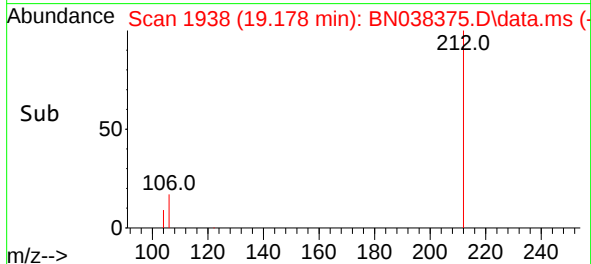
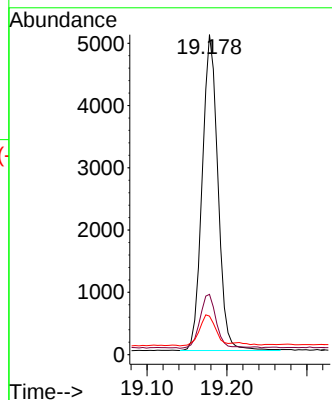
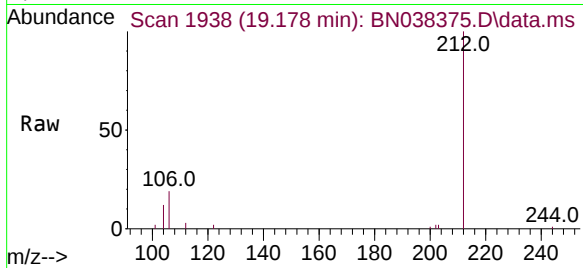




#27
Fluoranthene-d10
Concen: 0.211 ng
RT: 19.178 min Scan# 1938
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

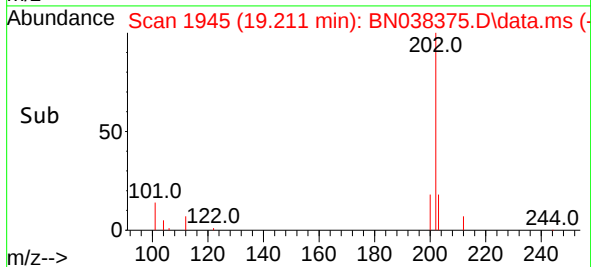
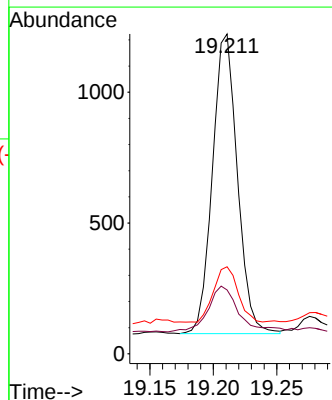
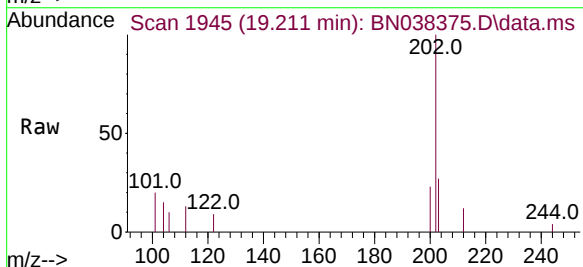
Instrument :
BNA_N
ClientSampleId :
C0AS4

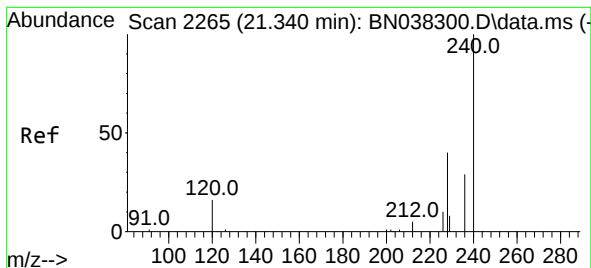
Tgt Ion:212 Resp: 6931
Ion Ratio Lower Upper
212 100
106 17.7 13.7 20.5
104 10.1 7.8 11.8



#28
Fluoranthene
Concen: 0.032 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.009 min
Lab File: BN038375.D
Acq: 13 Dec 2025 06:42

Tgt Ion:202 Resp: 1564
Ion Ratio Lower Upper
202 100
101 18.7 9.6 14.4#
203 18.0 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.331 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038375.D

Acq: 13 Dec 2025 06:42

Instrument :

BNA_N

ClientSampleId :

C0AS4

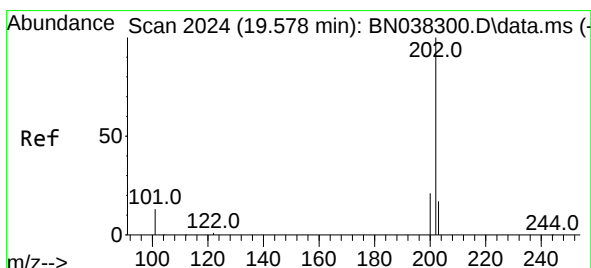
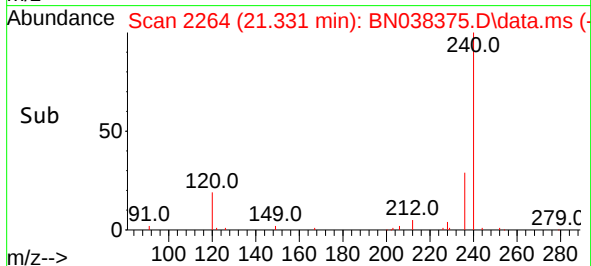
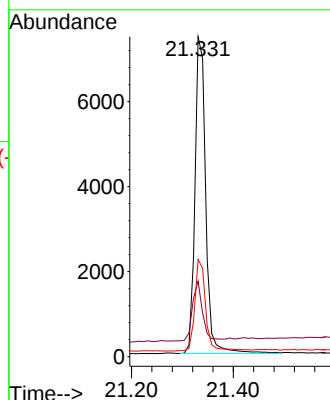
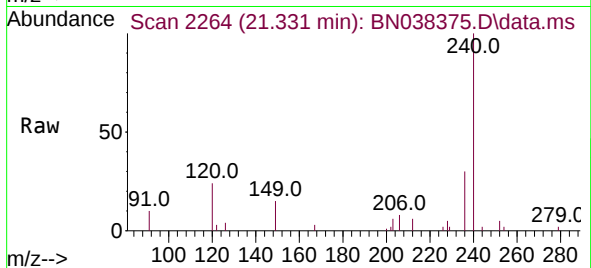
Tgt Ion:240 Resp: 10986

Ion Ratio Lower Upper

240 100

120 23.6 15.4 23.2#

236 30.3 23.9 35.9



#30

Pyrene

Concen: 0.030 ng

RT: 19.573 min Scan# 2023

Delta R.T. -0.009 min

Lab File: BN038375.D

Acq: 13 Dec 2025 06:42

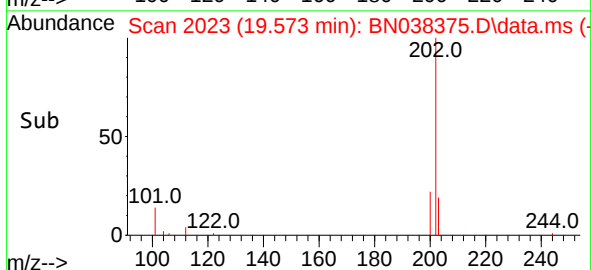
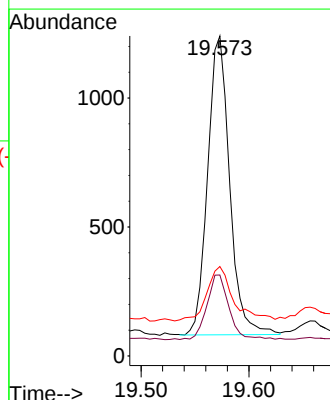
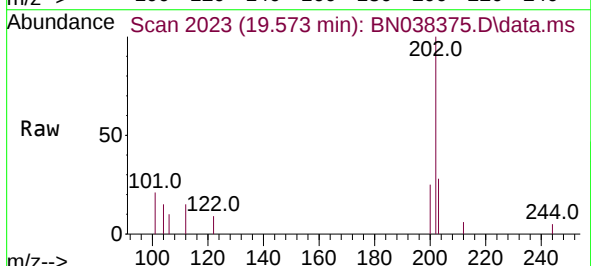
Tgt Ion:202 Resp: 1642

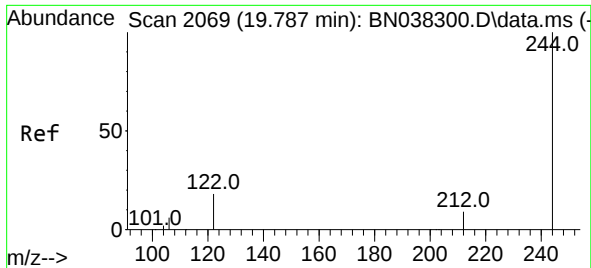
Ion Ratio Lower Upper

202 100

200 22.0 16.9 25.3

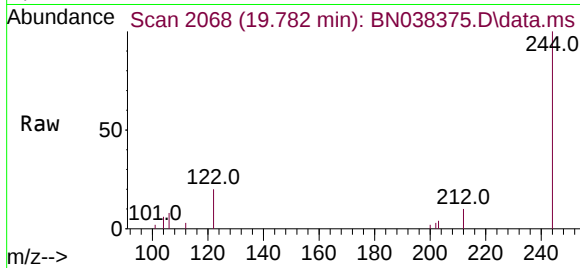
203 21.8 14.2 21.2#



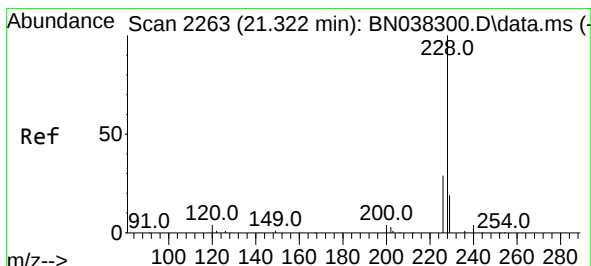
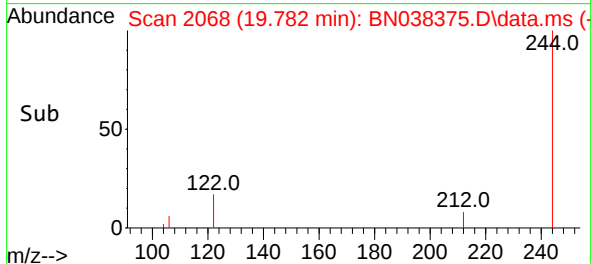
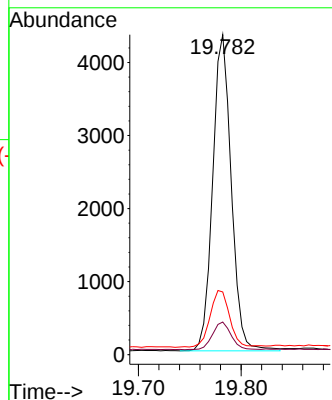


#31
 Terphenyl-d14
 Concen: 0.222 ng
 RT: 19.782 min Scan# 2068
 Delta R.T. -0.009 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4

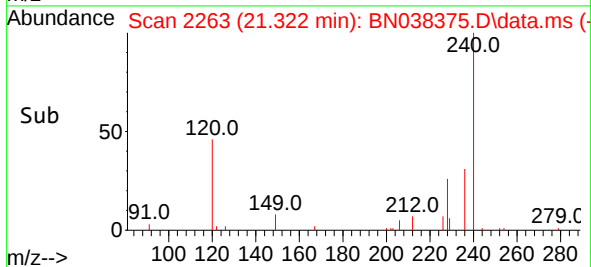
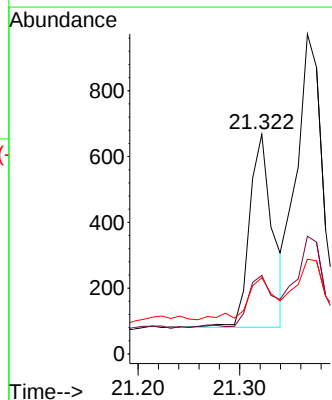
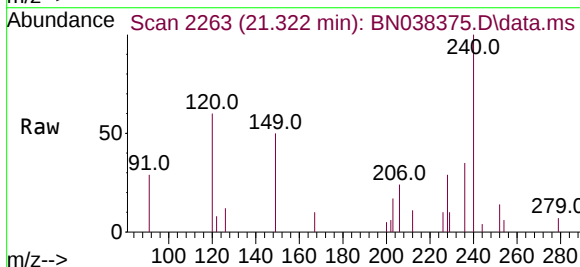


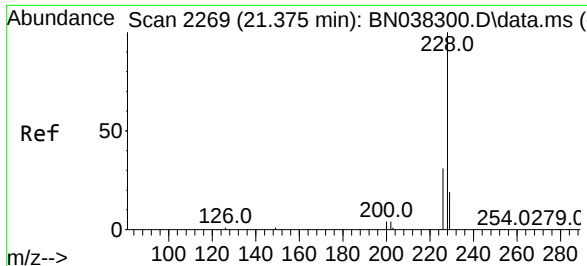
Tgt Ion:244 Resp: 5435
 Ion Ratio Lower Upper
 244 100
 212 10.2 7.9 11.9
 122 19.6 15.0 22.6



#32
 Benzo(a)anthracene
 Concen: 0.022 ng
 RT: 21.322 min Scan# 2263
 Delta R.T. -0.009 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

Tgt Ion:228 Resp: 922
 Ion Ratio Lower Upper
 228 100
 226 35.8 23.3 34.9#
 229 34.7 15.7 23.5#





#33

Chrysene

Concen: 0.033 ng

RT: 21.366 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN038375.D

Acq: 13 Dec 2025 06:42

Instrument :

BNA_N

ClientSampleId :

C0AS4

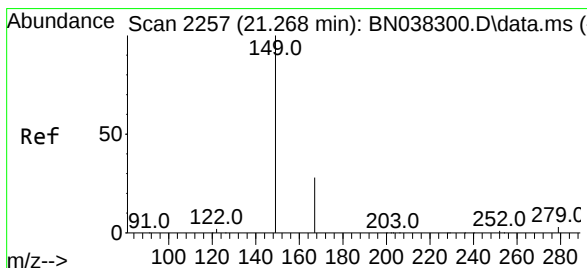
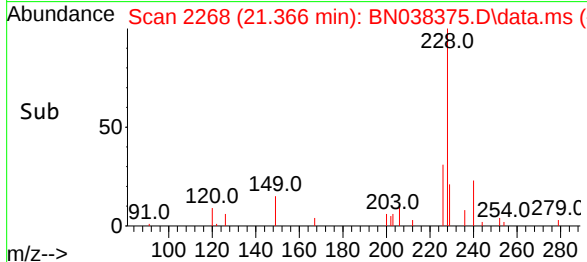
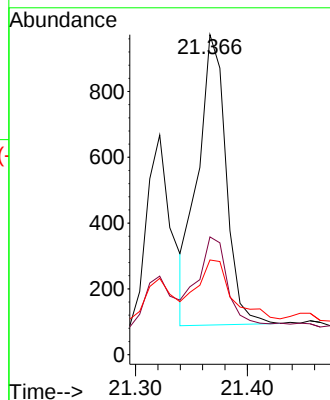
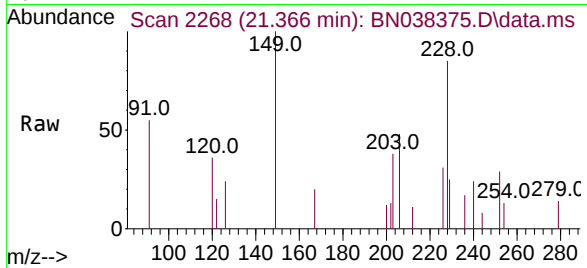
Tgt Ion:228 Resp: 1553

Ion Ratio Lower Upper

228 100

226 36.8 25.0 37.4

229 29.6 15.5 23.3#



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.610 ng

RT: 21.259 min Scan# 2256

Delta R.T. -0.009 min

Lab File: BN038375.D

Acq: 13 Dec 2025 06:42

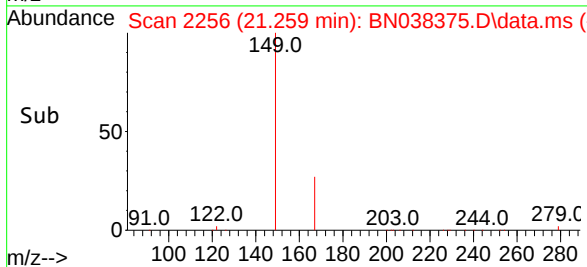
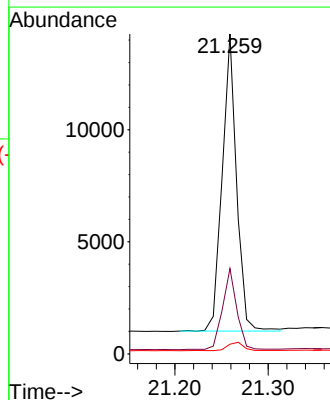
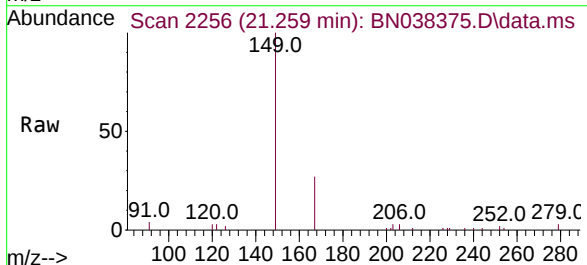
Tgt Ion:149 Resp: 14195

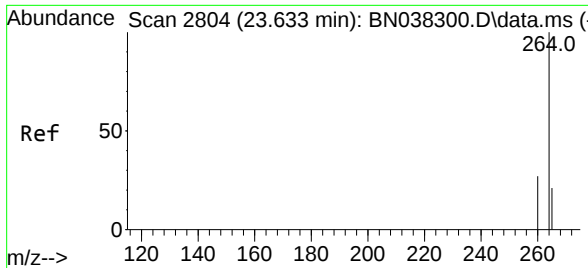
Ion Ratio Lower Upper

149 100

167 27.0 21.4 32.0

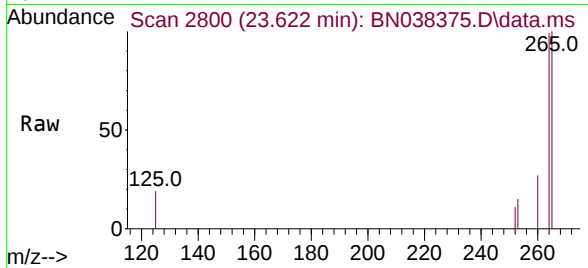
279 3.5 2.4 3.6





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.622 min Scan# 2800
 Delta R.T. -0.012 min
 Lab File: BN038375.D
 Acq: 13 Dec 2025 06:42

Instrument :
 BNA_N
 ClientSampleId :
 C0AS4



Tgt Ion:264 Resp: 11579

Ion	Ratio	Lower	Upper
264	100		
260	27.7	22.2	33.2
265	101.4	80.2	120.2

