

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
 Data File : BN038111.D
 Acq On : 28 Oct 2025 13:00
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Oct 28 17:31:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 28 17:15:13 2025
 Response via : Initial Calibration

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

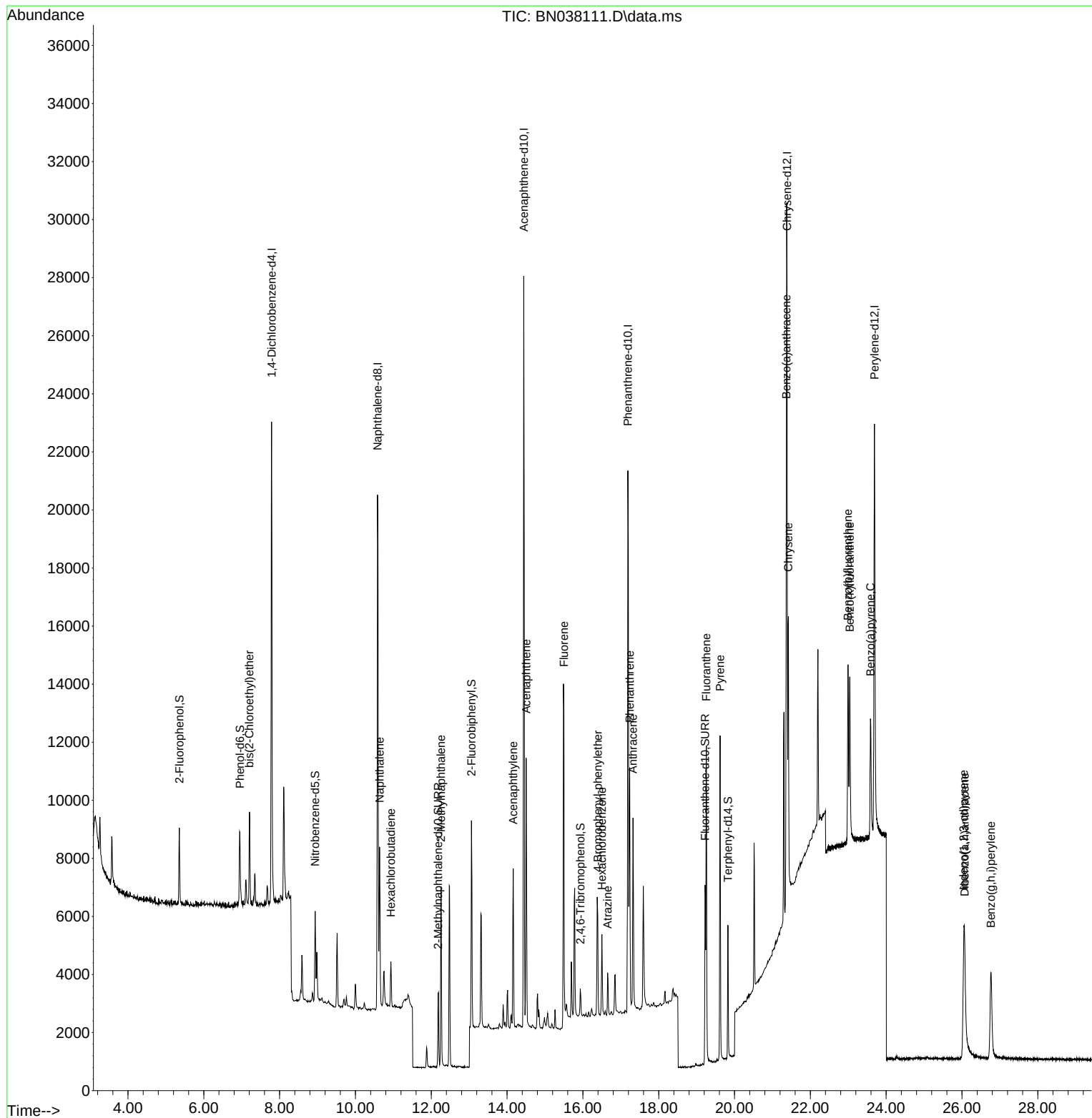
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	8239	0.400	ng	0.01
7) Naphthalene-d8	10.584	136	24762	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	14233	0.400	ng	0.01
19) Phenanthrene-d10	17.186	188	28114	0.400	ng	# 0.00
29) Chrysene-d12	21.384	240	22622	0.400	ng	0.00
35) Perylene-d12	23.692	264	20615	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.356	112	2196	0.113	ng	0.00
5) Phenol-d6	6.952	99	2608	0.110	ng	0.01
8) Nitrobenzene-d5	8.939	82	2497	0.125	ng	0.01
11) 2-Methylnaphthalene-d10	12.182	152	3595	0.102	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	558	0.095	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	6383	0.112	ng	0.01
27) Fluoranthene-d10	19.225	212	7307	0.103	ng	0.00
31) Terphenyl-d14	19.829	244	4967	0.101	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.204	93	2398	0.103	ng	95
9) Naphthalene	10.637	128	7049	0.103	ng	95
10) Hexachlorobutadiene	10.936	225	1223	0.106	ng	# 98
12) 2-Methylnaphthalene	12.258	142	4736	0.104	ng	96
16) Acenaphthylene	14.163	152	6290	0.098	ng	100
17) Acenaphthene	14.505	154	4482	0.099	ng	98
18) Fluorene	15.499	166	5513	0.093	ng	97
21) 4-Bromophenyl-phenylether	16.391	248	1824	0.099	ng	# 82
22) Hexachlorobenzene	16.503	284	2137	0.102	ng	98
23) Atrazine	16.652	200	1338	0.099	ng	# 90
25) Phenanthrene	17.236	178	9006	0.101	ng	99
26) Anthracene	17.322	178	7562	0.097	ng	98
28) Fluoranthene	19.257	202	10174	0.102	ng	99
30) Pyrene	19.620	202	10370	0.102	ng	99
32) Benzo(a)anthracene	21.367	228	8433	0.104	ng	99
33) Chrysene	21.420	228	9181	0.105	ng	98
36) Indeno(1,2,3-cd)pyrene	26.048	276	7839	0.093	ng	98
37) Benzo(b)fluoranthene	22.993	252	8261	0.094	ng	# 67
38) Benzo(k)fluoranthene	23.040	252	8515	0.096	ng	# 67
39) Benzo(a)pyrene	23.590	252	6927	0.098	ng	# 58
40) Dibenzo(a,h)anthracene	26.072	278	5922	0.091	ng	# 71
41) Benzo(g,h,i)perylene	26.765	276	7227	0.097	ng	# 88

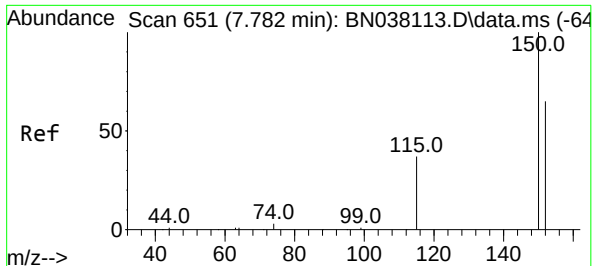
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102825\
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QLast Update : Tue Oct 28 17:15:13 2025
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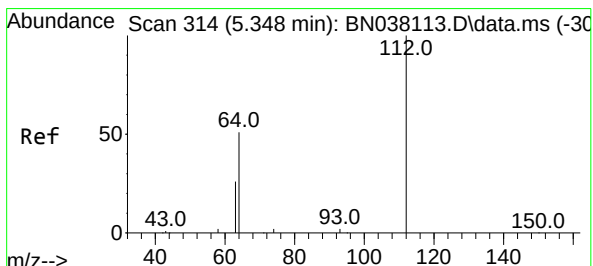
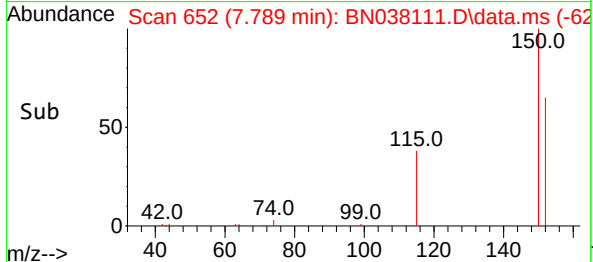
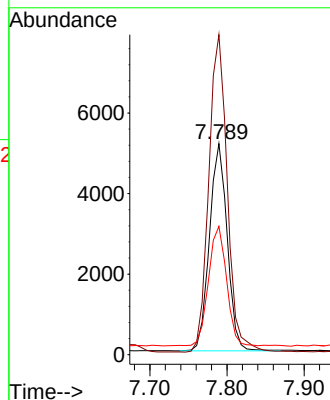
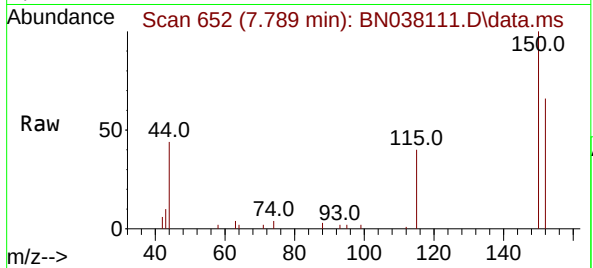




#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

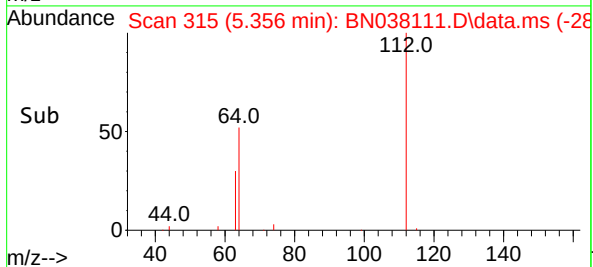
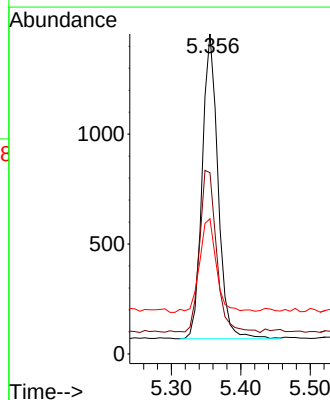
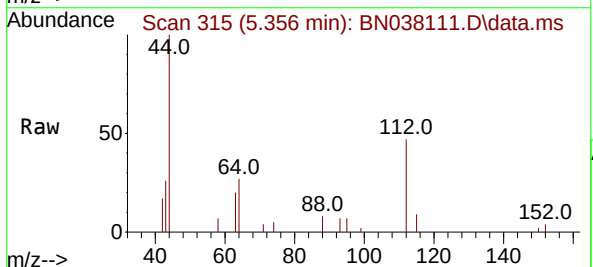
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

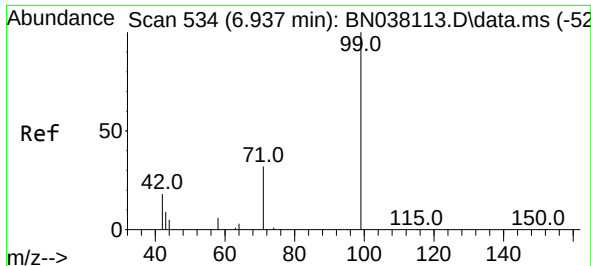
Tgt Ion:152 Resp: 8239
Ion Ratio Lower Upper
152 100
150 151.7 122.3 183.5
115 60.8 47.4 71.0



#4
2-Fluorophenol
Concen: 0.113 ng
RT: 5.356 min Scan# 315
Delta R.T. 0.007 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:112 Resp: 2196
Ion Ratio Lower Upper
112 100
64 57.2 45.4 68.0
63 32.8 23.2 34.8

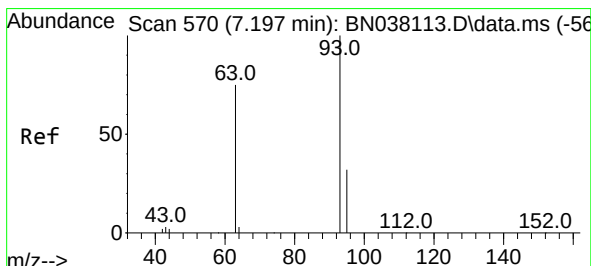
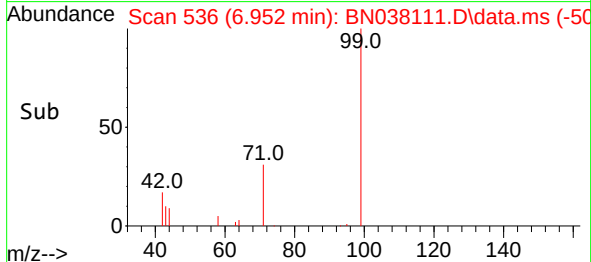
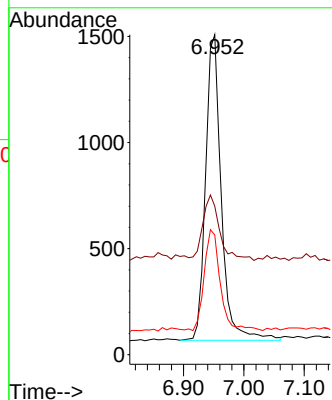
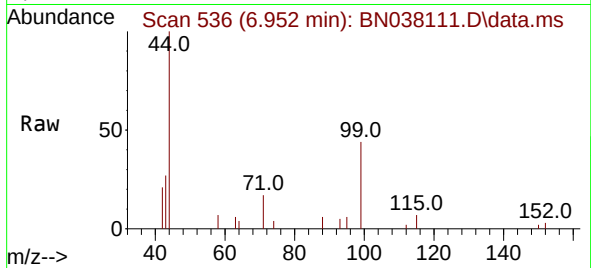




#5
Phenol-d6
Concen: 0.110 ng
RT: 6.952 min Scan# 511
Delta R.T. 0.015 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

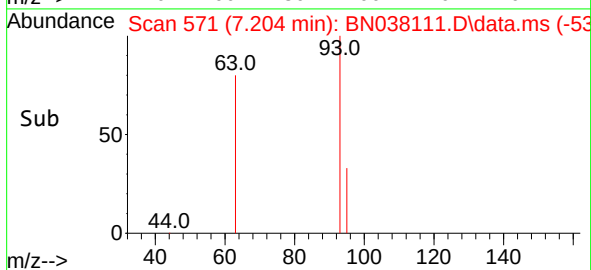
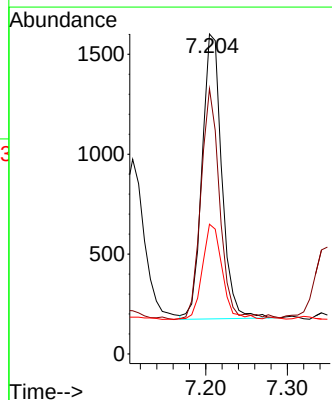
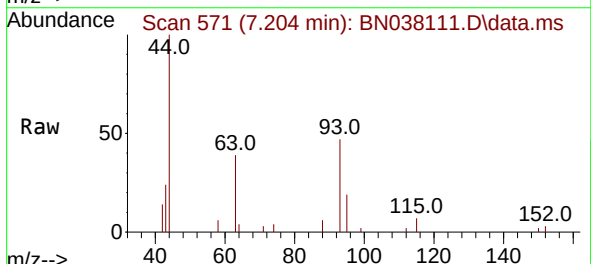
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

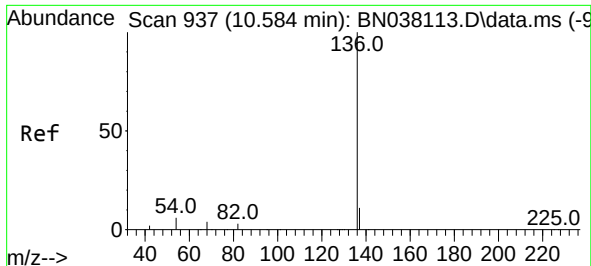
Tgt Ion: 99 Resp: 2608
Ion Ratio Lower Upper
99 100
42 23.4 16.6 24.8
71 34.0 25.4 38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.103 ng
RT: 7.204 min Scan# 571
Delta R.T. 0.007 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion: 93 Resp: 2398
Ion Ratio Lower Upper
93 100
63 78.2 59.3 88.9
95 34.1 25.2 37.8

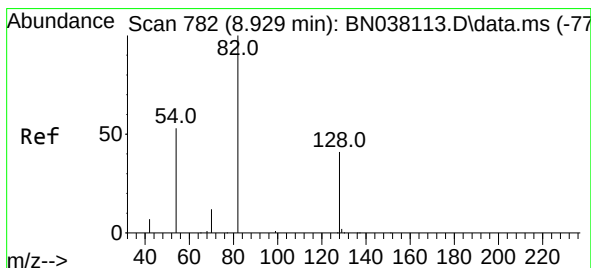
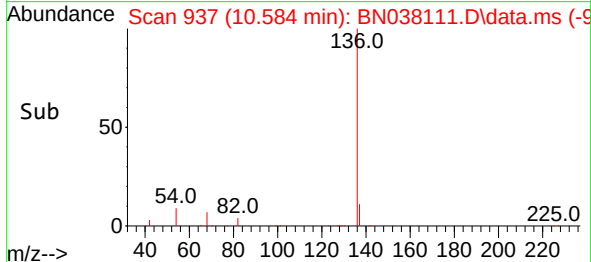
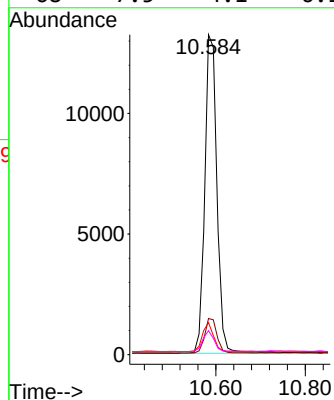
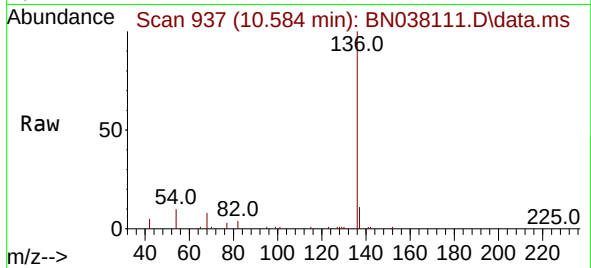




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

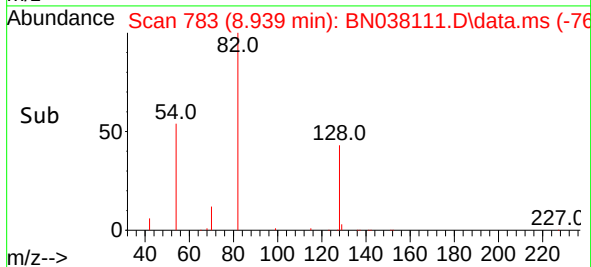
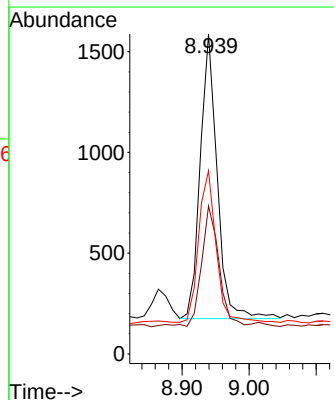
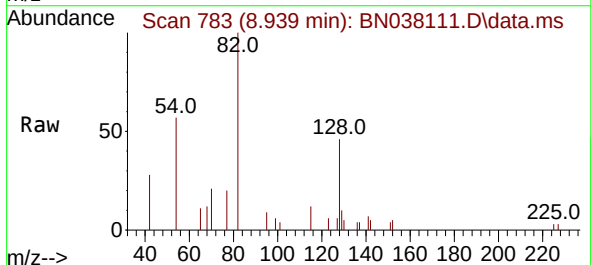
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

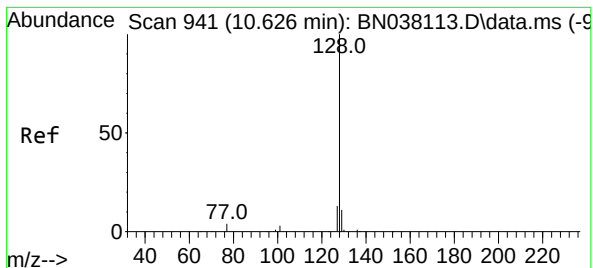
Tgt Ion:	136	Resp:	24762
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	10.0	5.2	7.8#
68	7.5	4.1	6.1#



#8
Nitrobenzene-d5
Concen: 0.125 ng
RT: 8.939 min Scan# 783
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:	82	Resp:	2497
Ion	Ratio	Lower	Upper
82	100		
128	46.2	34.1	51.1
54	57.2	43.5	65.3





#9

Naphthalene

Concen: 0.103 ng

RT: 10.637 min Scan# 941

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

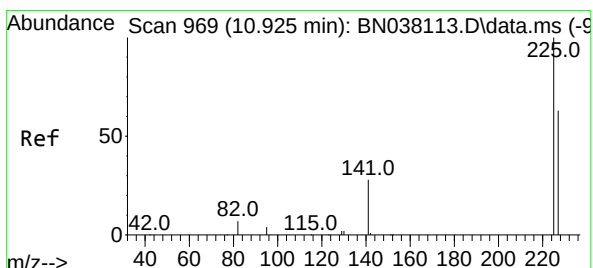
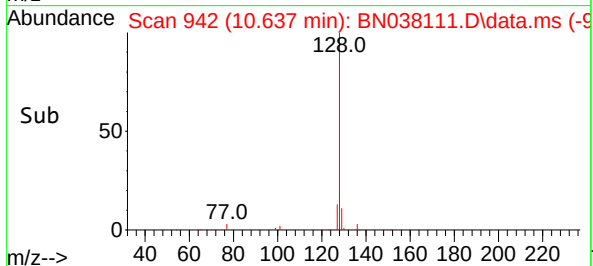
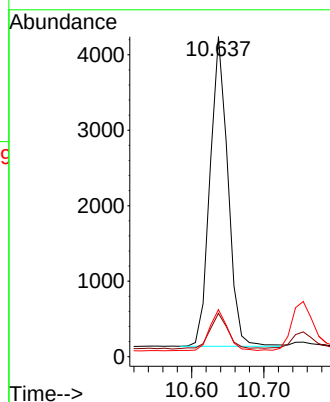
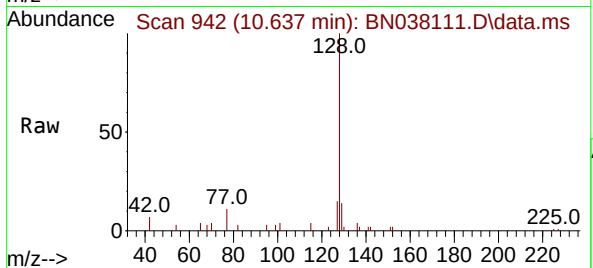
Tgt Ion:128 Resp: 7049

Ion Ratio Lower Upper

128 100

129 13.5 9.1 13.7

127 14.7 10.5 15.7



#10

Hexachlorobutadiene

Concen: 0.106 ng

RT: 10.936 min Scan# 970

Delta R.T. 0.011 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

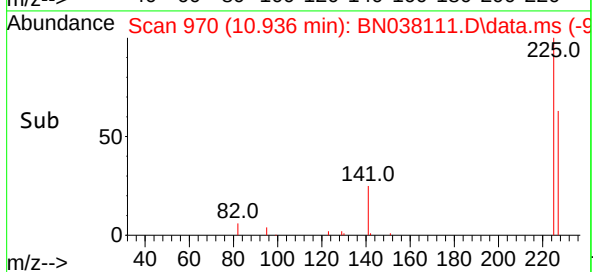
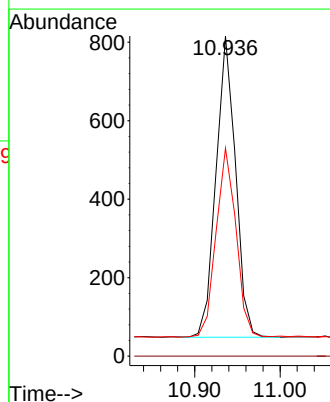
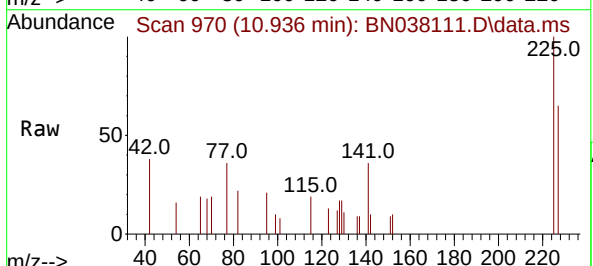
Tgt Ion:225 Resp: 1223

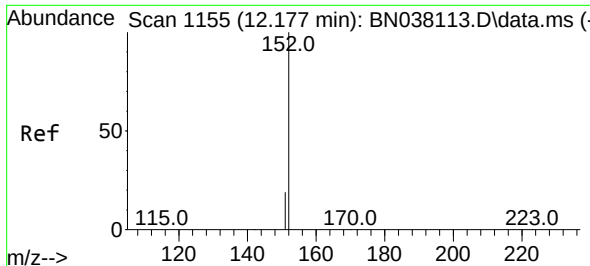
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 64.3 50.3 75.5

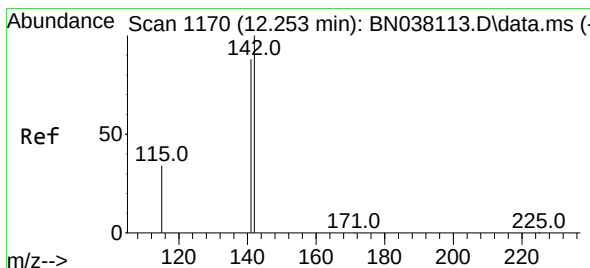
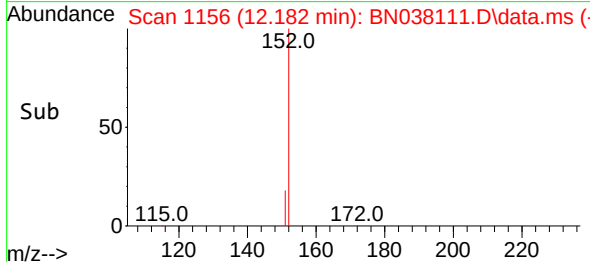
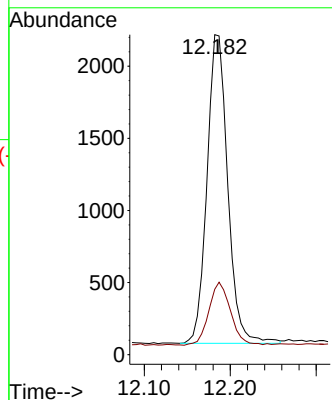
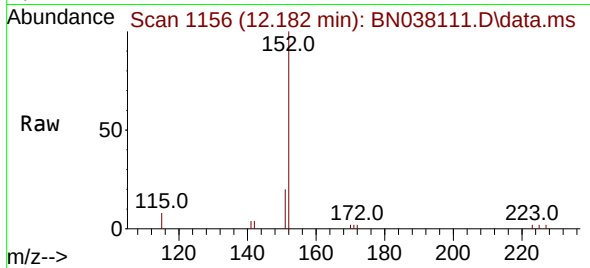




#11
2-Methylnaphthalene-d10
Concen: 0.102 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

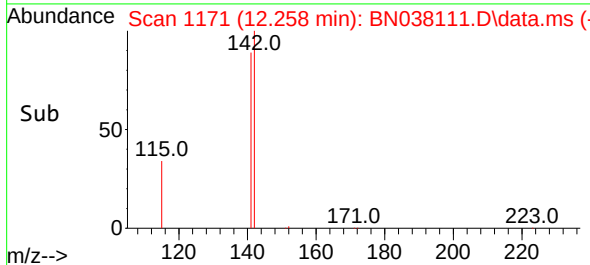
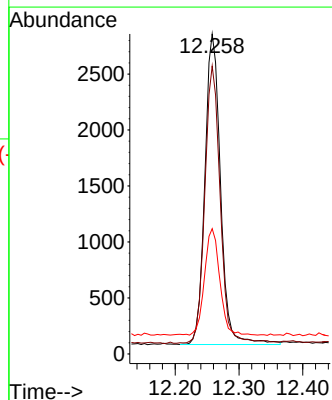
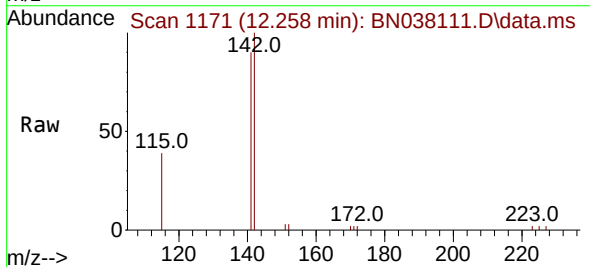
Instrument :
BNA_N
ClientSampleId :
SSTDIC0.1

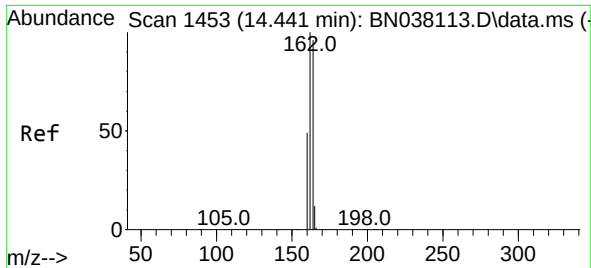
Tgt Ion:152 Resp: 3595
Ion Ratio Lower Upper
152 100
151 21.4 16.8 25.2



#12
2-Methylnaphthalene
Concen: 0.104 ng
RT: 12.258 min Scan# 1171
Delta R.T. 0.010 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:142 Resp: 4736
Ion Ratio Lower Upper
142 100
141 90.0 70.3 105.5
115 39.2 27.8 41.6

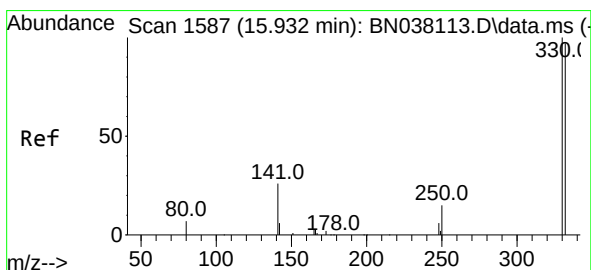
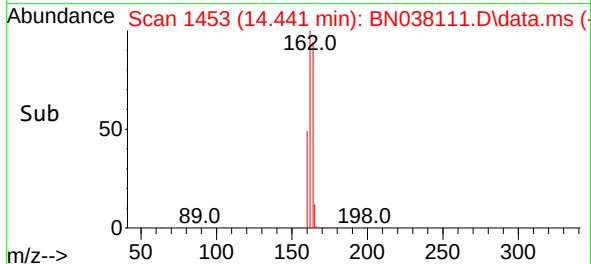
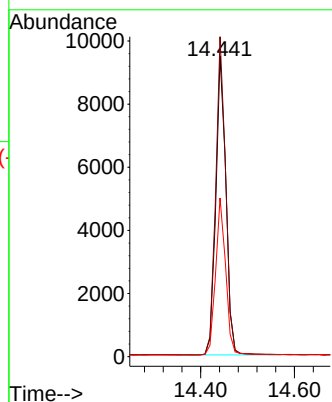
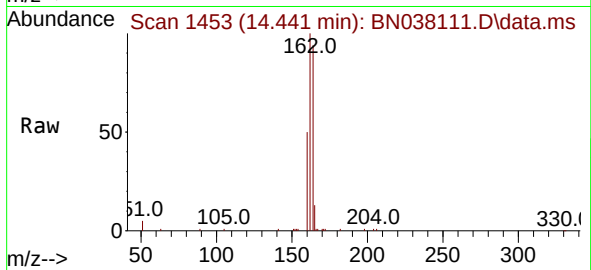




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

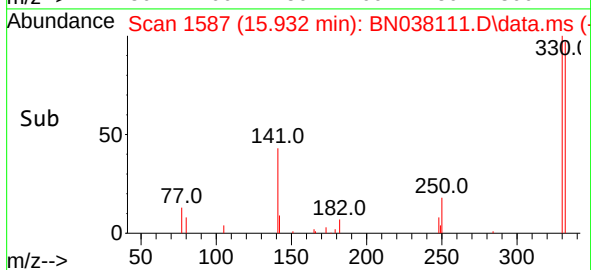
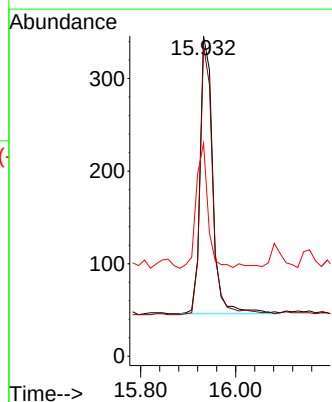
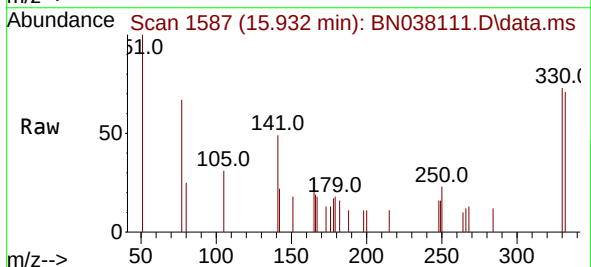
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

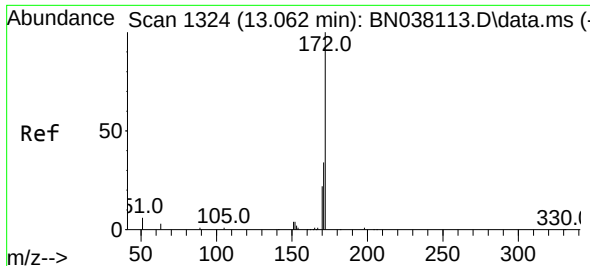
Tgt Ion:164 Resp: 14233
Ion Ratio Lower Upper
164 100
162 106.3 83.0 124.4
160 52.7 40.7 61.1



#14
2,4,6-Tribromophenol
Concen: 0.095 ng
RT: 15.932 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:330 Resp: 558
Ion Ratio Lower Upper
330 100
332 95.9 76.6 114.8
141 41.0 34.1 51.1

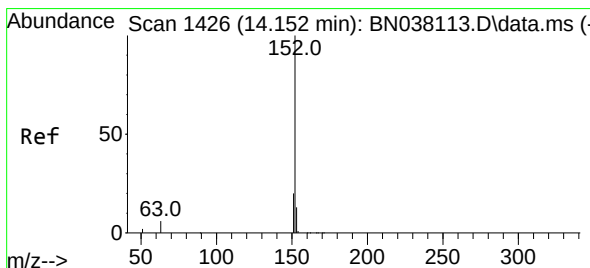
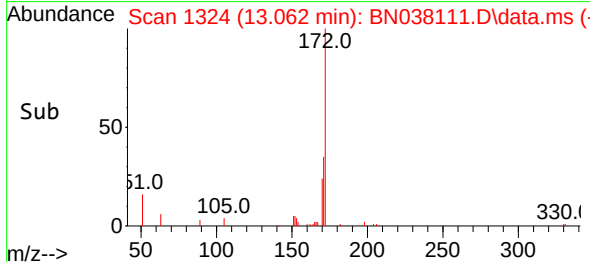
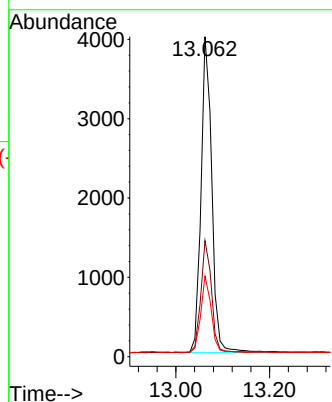
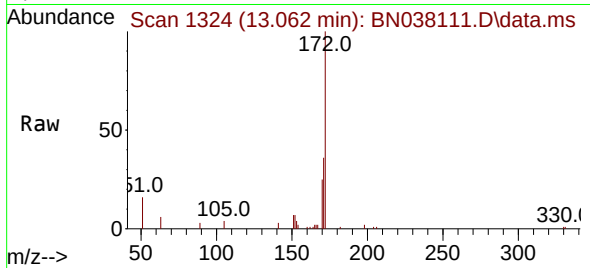




#15
2-Fluorobiphenyl
Concen: 0.112 ng
RT: 13.062 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

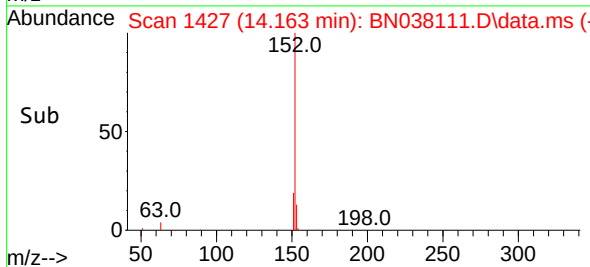
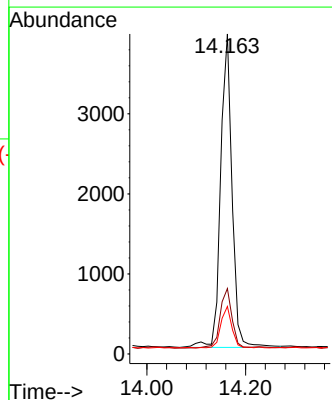
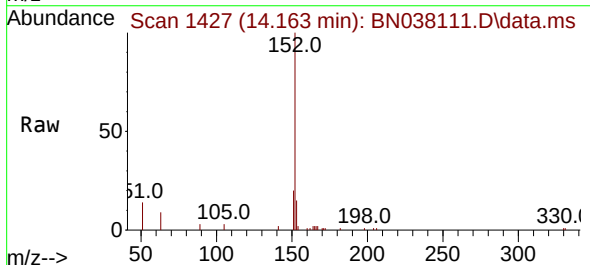
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

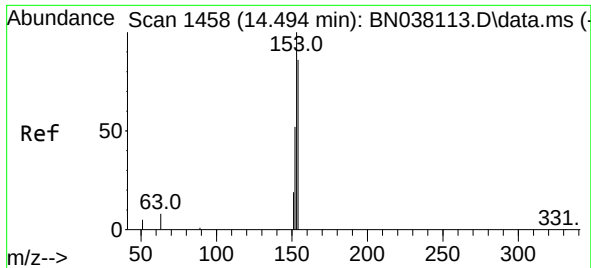
Tgt Ion:172 Resp: 6383
Ion Ratio Lower Upper
172 100
171 36.2 27.8 41.6
170 25.2 18.1 27.1



#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.163 min Scan# 1427
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:152 Resp: 6290
Ion Ratio Lower Upper
152 100
151 19.9 15.8 23.8
153 12.9 10.2 15.2

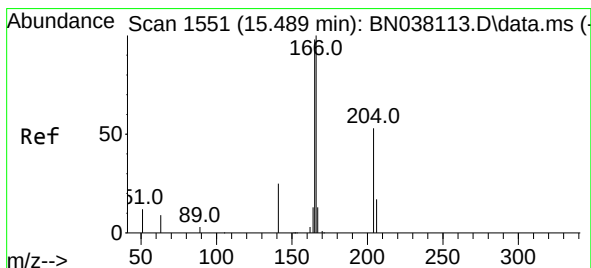
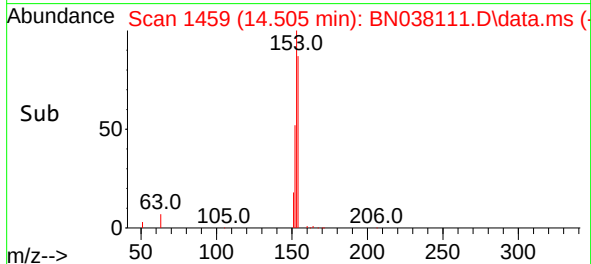
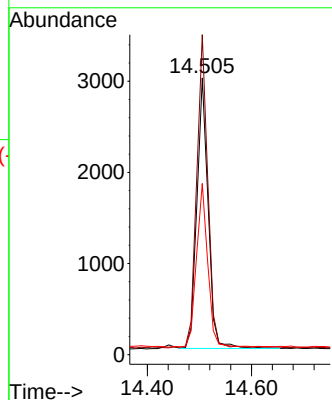
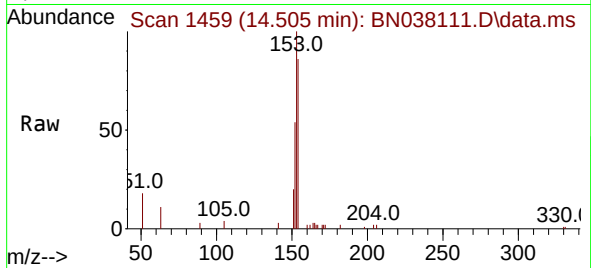




#17
Acenaphthene
Concen: 0.099 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

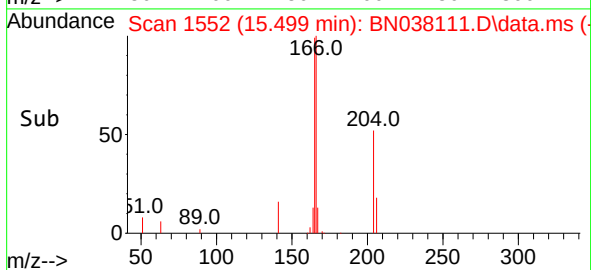
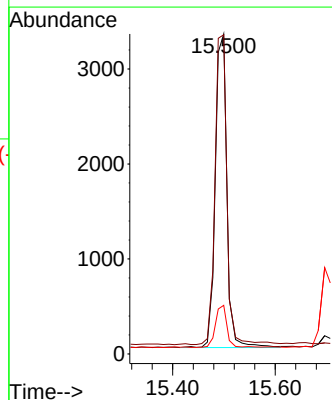
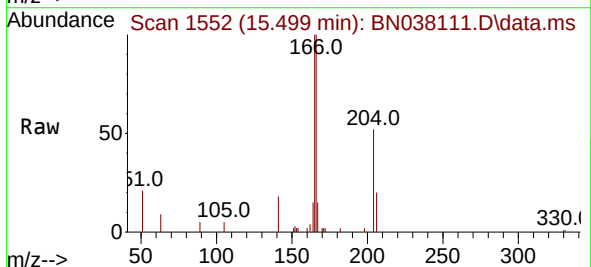
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

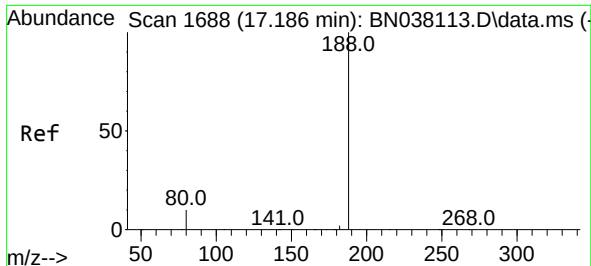
Tgt Ion:154 Resp: 4482
Ion Ratio Lower Upper
154 100
153 114.1 90.0 135.0
152 60.7 47.3 70.9



#18
Fluorene
Concen: 0.093 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:166 Resp: 5513
Ion Ratio Lower Upper
166 100
165 102.4 79.0 118.4
167 13.3 10.7 16.1

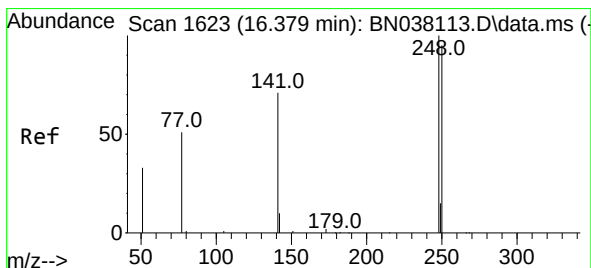
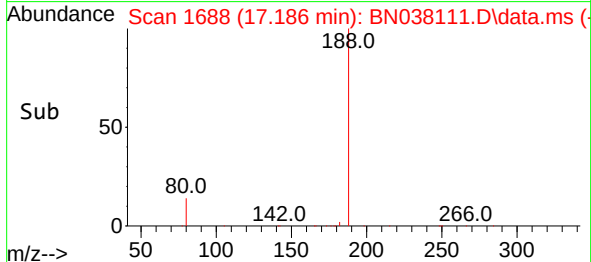
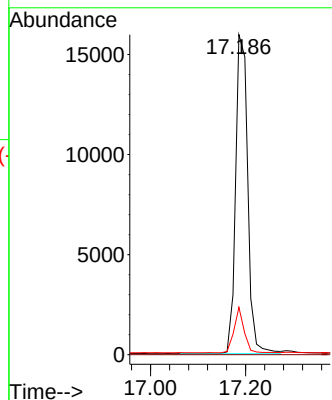
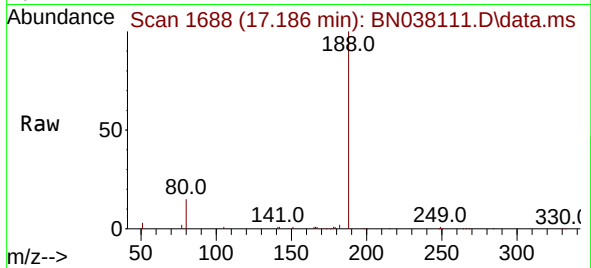




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

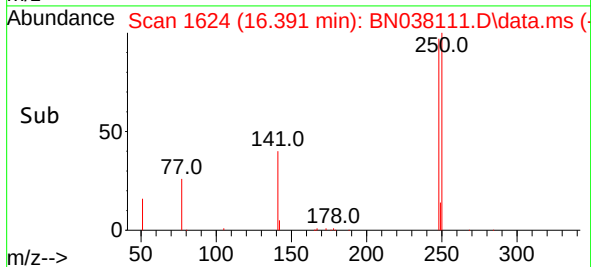
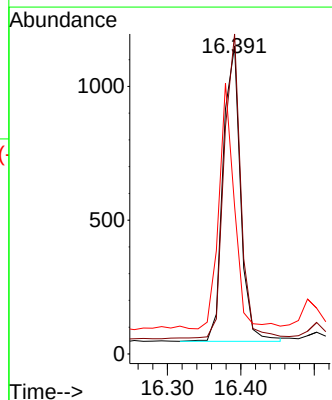
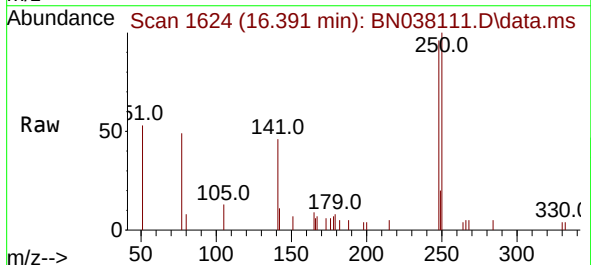
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

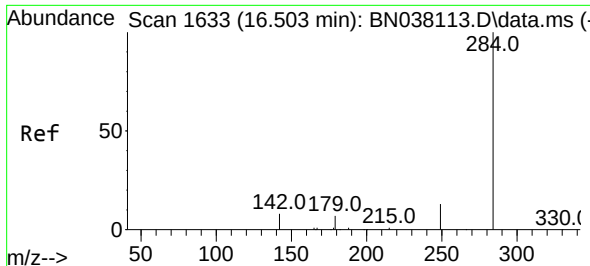
Tgt Ion:188 Resp: 28114
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.8 8.6 13.0#



#21
4-Bromophenyl-phenylether
Concen: 0.099 ng
RT: 16.391 min Scan# 1624
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:248 Resp: 1824
Ion Ratio Lower Upper
248 100
250 103.9 76.2 114.2
141 48.0 57.6 86.4#

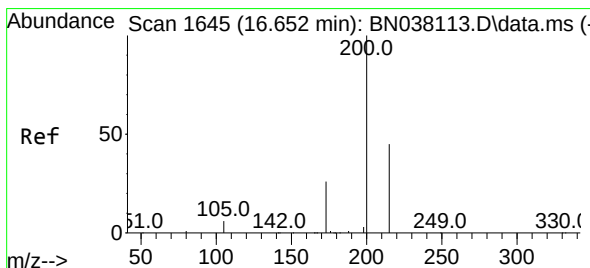
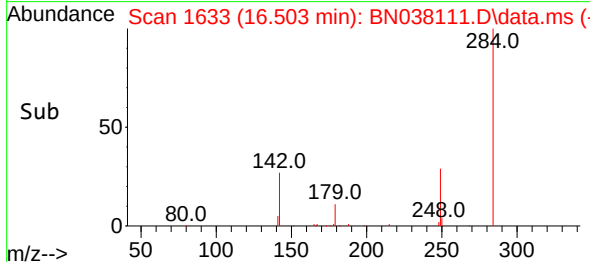
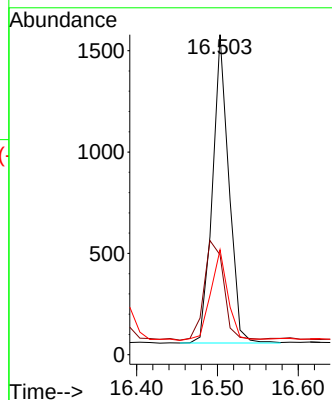
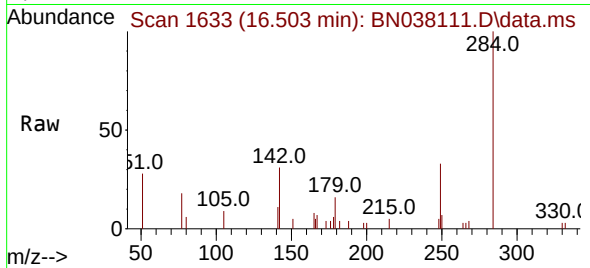




#22
Hexachlorobenzene
Concen: 0.102 ng
RT: 16.503 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

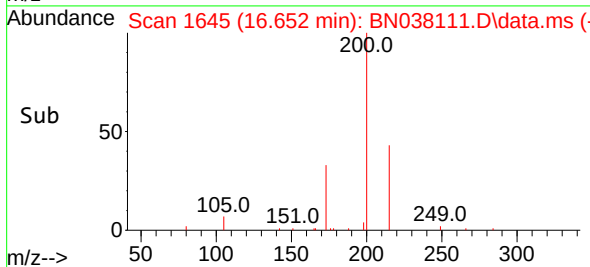
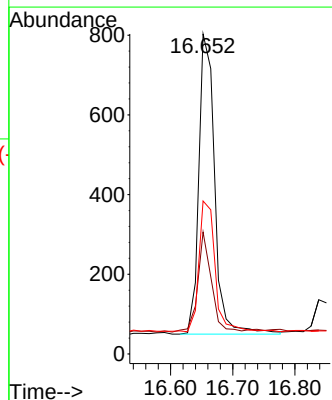
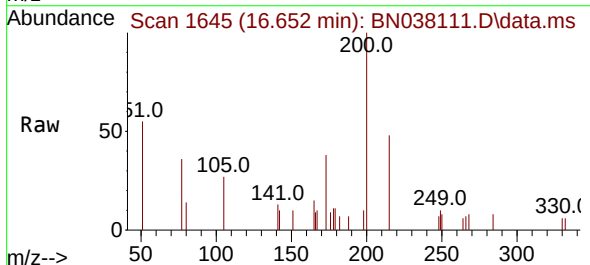
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

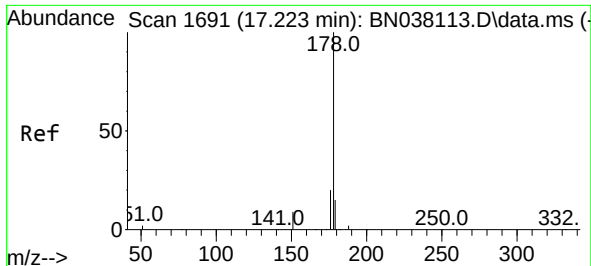
Tgt Ion:284 Resp: 2137
Ion Ratio Lower Upper
284 100
142 38.9 30.5 45.7
249 31.2 23.5 35.3



#23
Atrazine
Concen: 0.099 ng
RT: 16.652 min Scan# 1645
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:200 Resp: 1338
Ion Ratio Lower Upper
200 100
173 38.1 21.4 32.2#
215 47.8 36.7 55.1

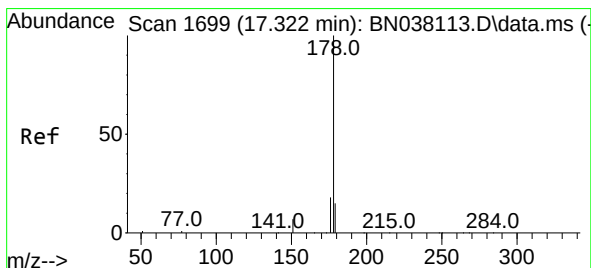
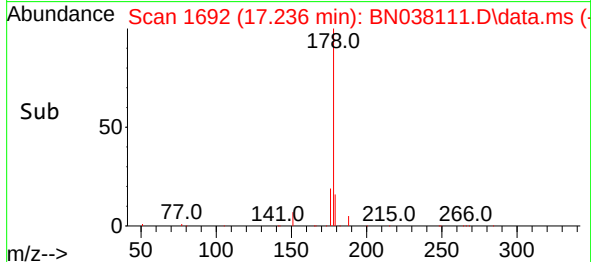
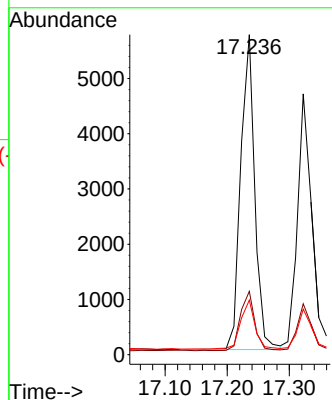
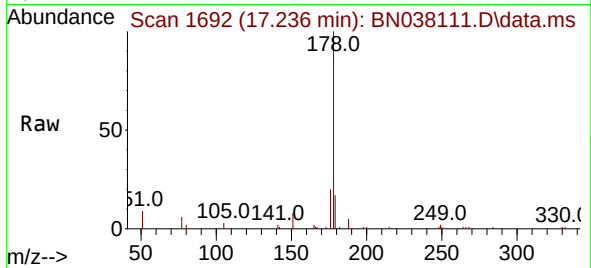




#25
Phenanthrene
Concen: 0.101 ng
RT: 17.236 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

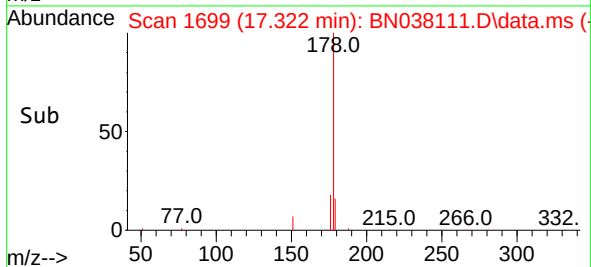
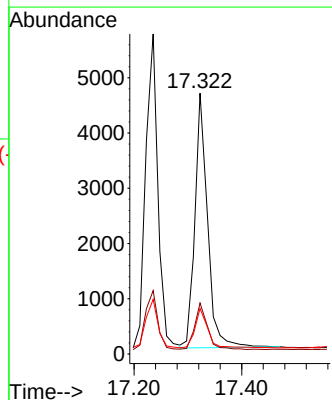
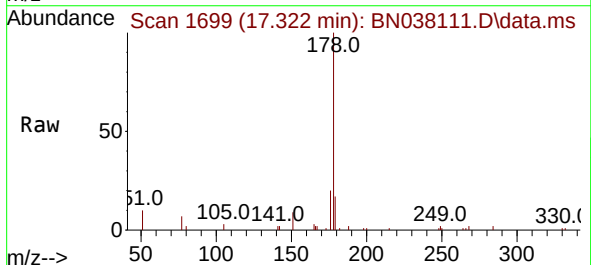
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

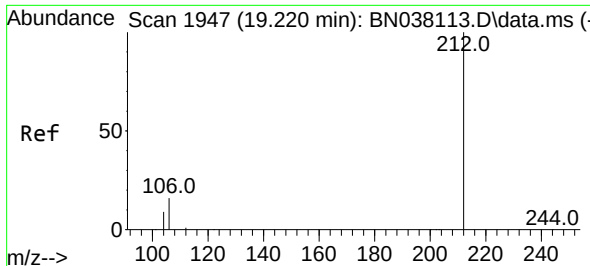
Tgt Ion:178 Resp: 9006
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.8 12.2 18.4



#26
Anthracene
Concen: 0.097 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:178 Resp: 7562
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 16.0 11.8 17.8

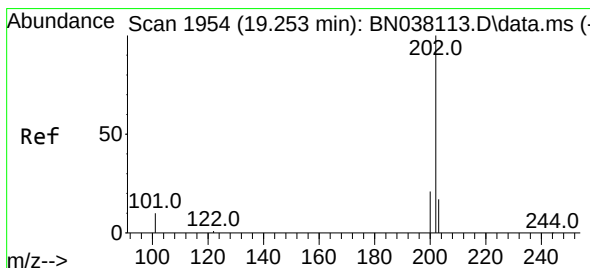
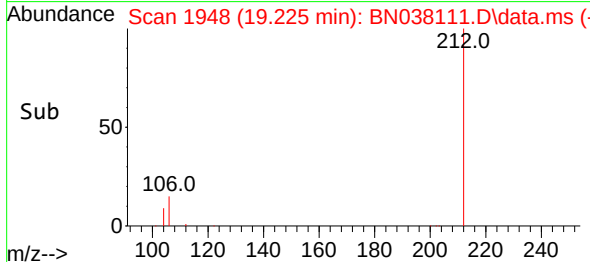
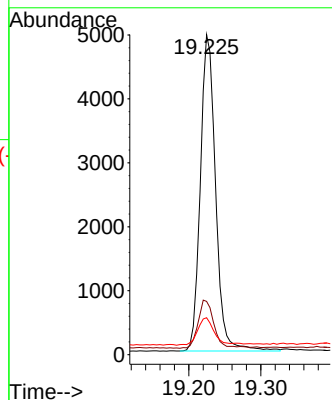
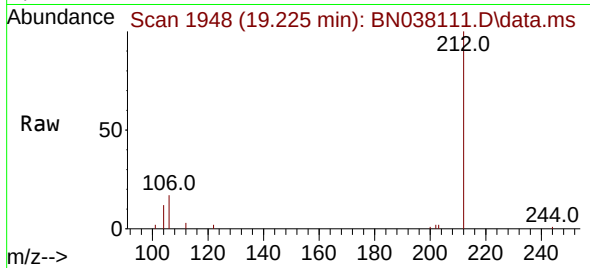




#27
Fluoranthene-d10
Concen: 0.103 ng
RT: 19.225 min Scan# 1948
Delta R.T. 0.005 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

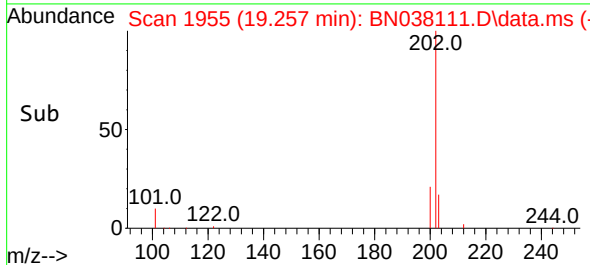
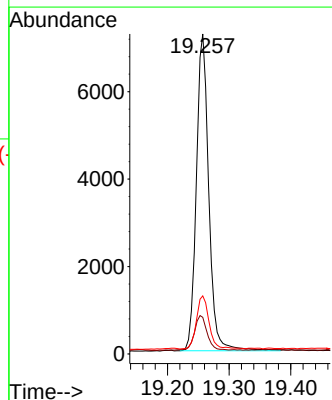
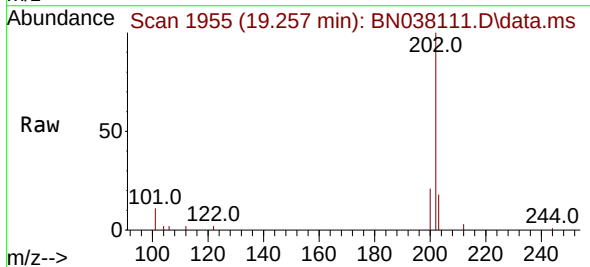
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

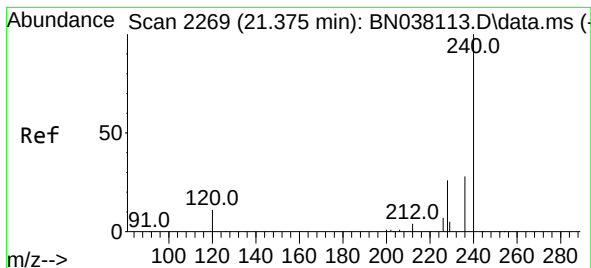
Tgt Ion:212 Resp: 7307
Ion Ratio Lower Upper
212 100
106 15.9 12.6 19.0
104 9.3 7.1 10.7



#28
Fluoranthene
Concen: 0.102 ng
RT: 19.257 min Scan# 1955
Delta R.T. 0.005 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:202 Resp: 10174
Ion Ratio Lower Upper
202 100
101 11.4 9.4 14.2
203 17.2 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.384 min Scan# 21

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

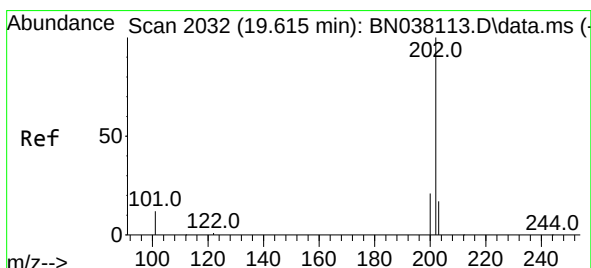
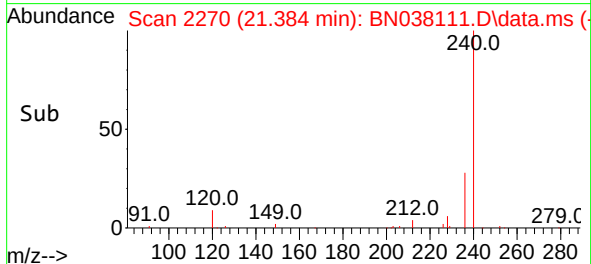
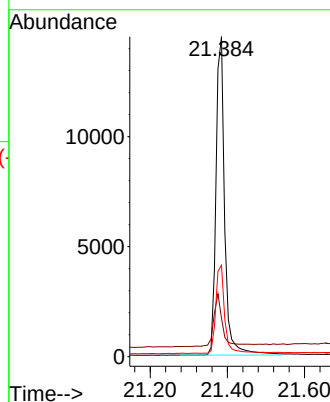
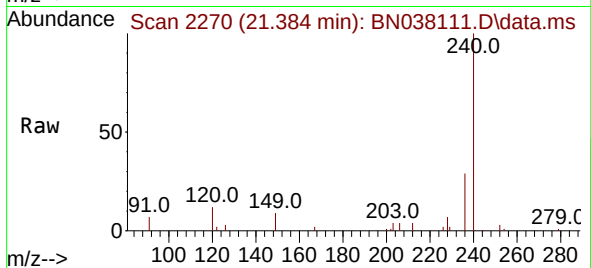
Tgt Ion:240 Resp: 22622

Ion Ratio Lower Upper

240 100

120 12.1 10.7 16.1

236 28.6 23.1 34.7



#30

Pyrene

Concen: 0.102 ng

RT: 19.620 min Scan# 2033

Delta R.T. 0.009 min

Lab File: BN038111.D

Acq: 28 Oct 2025 13:00

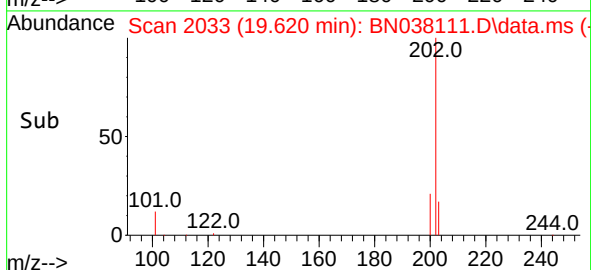
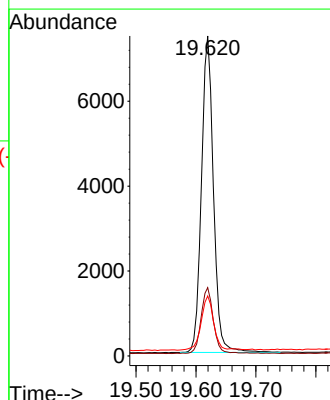
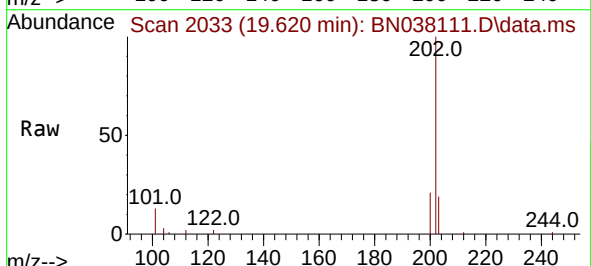
Tgt Ion:202 Resp: 10370

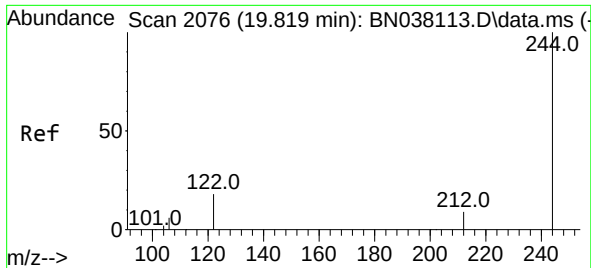
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 18.0 14.2 21.2

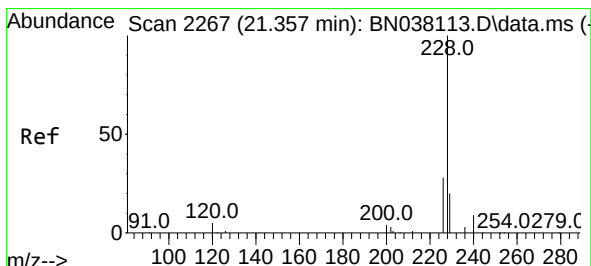
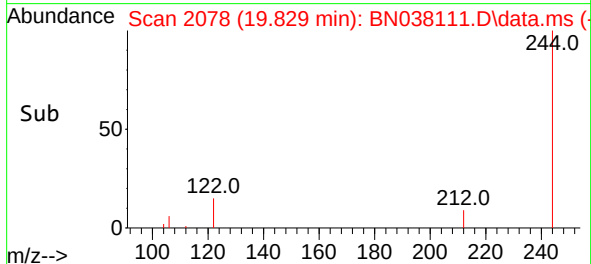
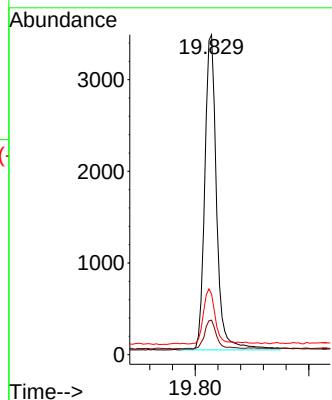
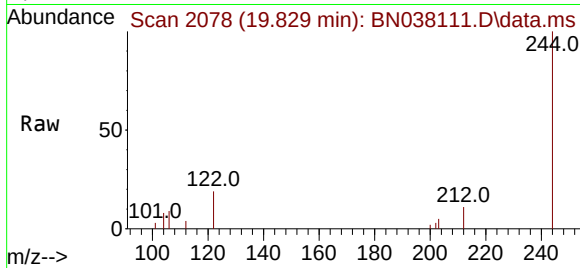




#31
 Terphenyl-d14
 Concen: 0.101 ng
 RT: 19.829 min Scan# 2076
 Delta R.T. 0.009 min
 Lab File: BN038111.D
 Acq: 28 Oct 2025 13:00

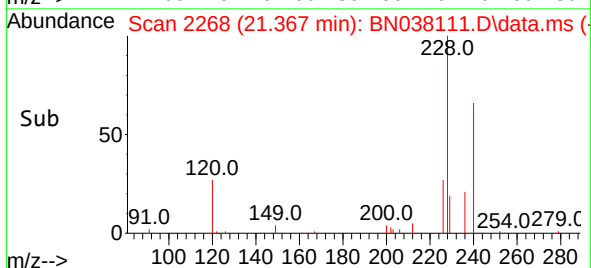
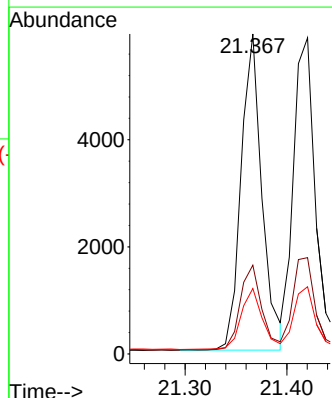
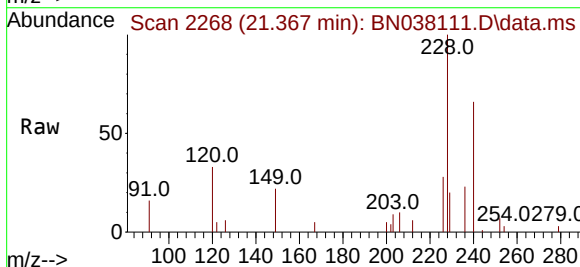
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

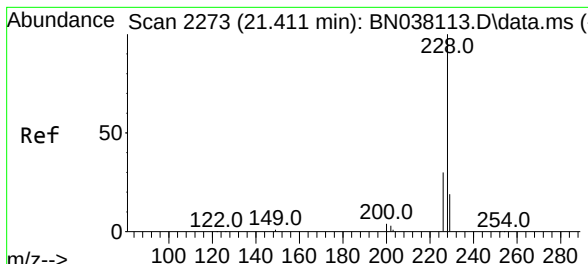
Tgt Ion:244 Resp: 4967
 Ion Ratio Lower Upper
 244 100
 212 10.8 7.8 11.6
 122 18.9 15.2 22.8



#32
 Benzo(a)anthracene
 Concen: 0.104 ng
 RT: 21.367 min Scan# 2268
 Delta R.T. 0.009 min
 Lab File: BN038111.D
 Acq: 28 Oct 2025 13:00

Tgt Ion:228 Resp: 8433
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.2 33.4
 229 20.5 15.8 23.8



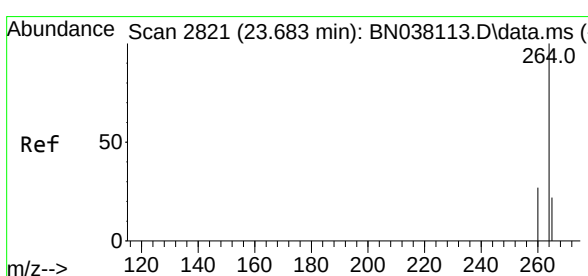
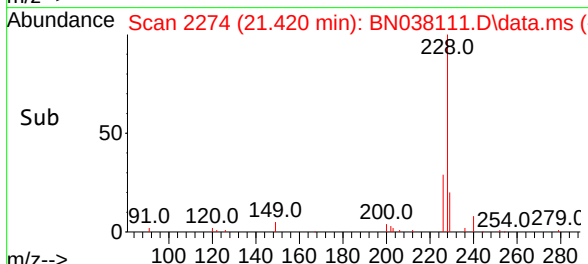
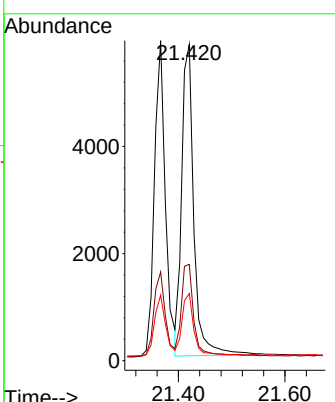
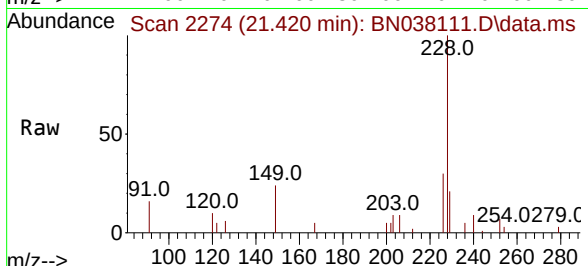


#33
 Chrysene
 Concen: 0.105 ng
 RT: 21.420 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: BN038111.D
 Acq: 28 Oct 2025 13:00

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Tgt Ion: 228 Resp: 9181

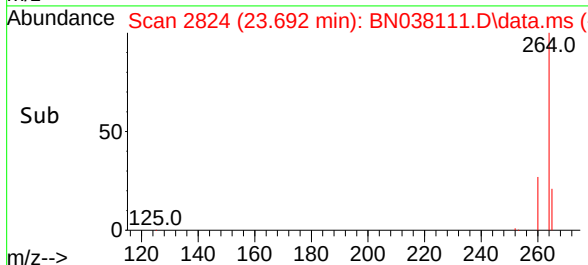
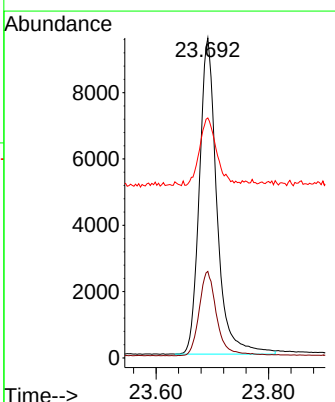
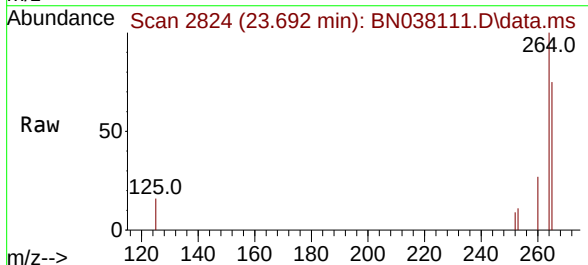
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.3	36.5
229	21.3	15.7	23.5

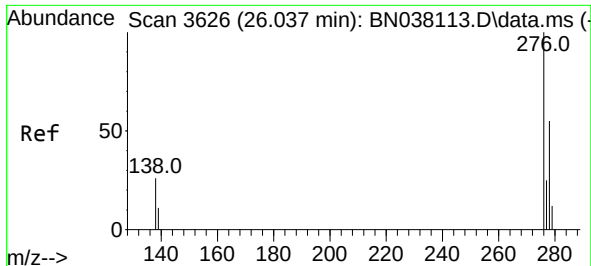


#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.692 min Scan# 2824
 Delta R.T. 0.012 min
 Lab File: BN038111.D
 Acq: 28 Oct 2025 13:00

Tgt Ion: 264 Resp: 20615

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.8	32.8
265	75.0	68.6	102.8

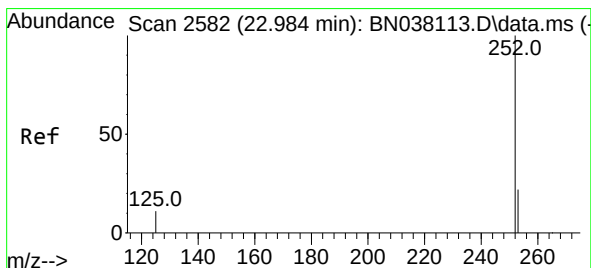
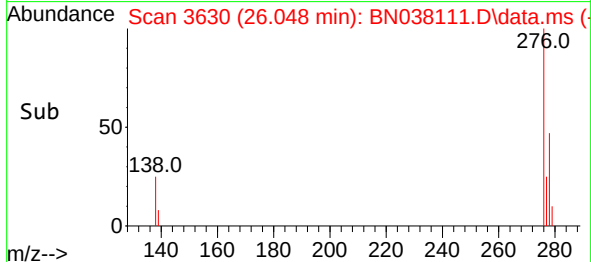
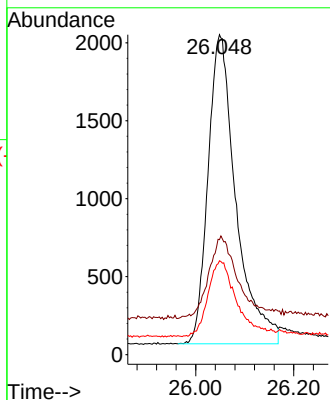
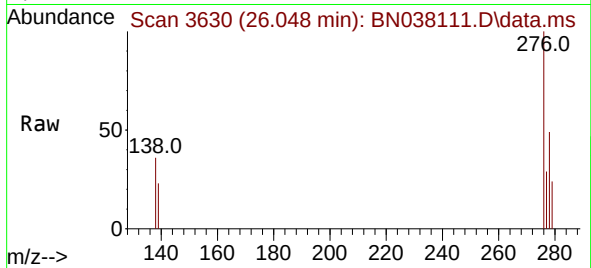




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.093 ng
RT: 26.048 min Scan# 3630
Delta R.T. 0.015 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

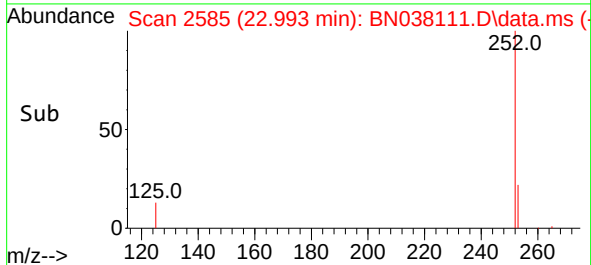
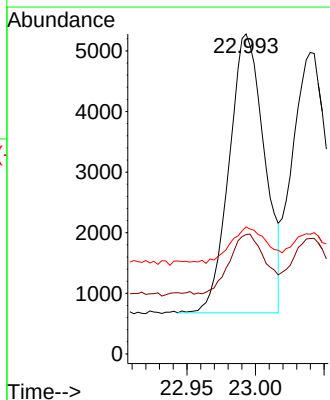
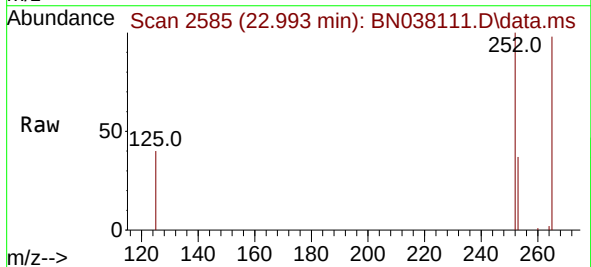
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

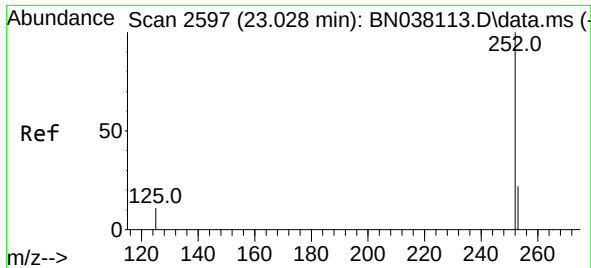
Tgt Ion:276 Resp: 7839
Ion Ratio Lower Upper
276 100
138 25.8 21.4 32.0
277 24.8 19.2 28.8



#37
Benzo(b)fluoranthene
Concen: 0.094 ng
RT: 22.993 min Scan# 2585
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:252 Resp: 8261
Ion Ratio Lower Upper
252 100
253 37.3 20.9 31.3#
125 39.7 14.1 21.1#

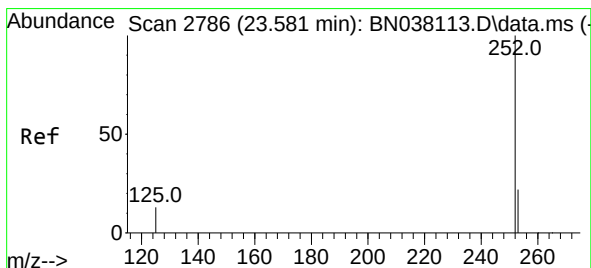
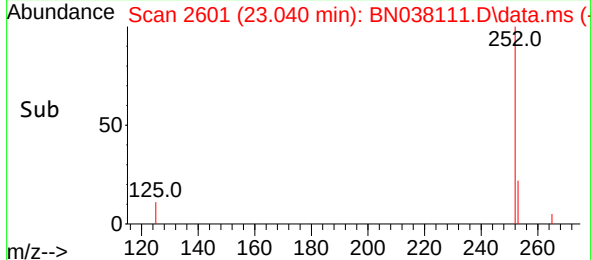
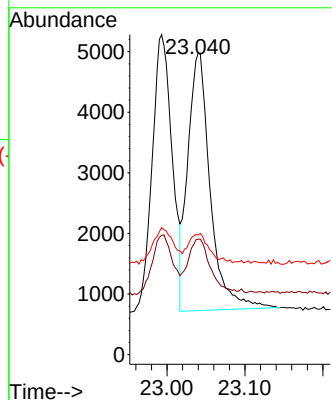
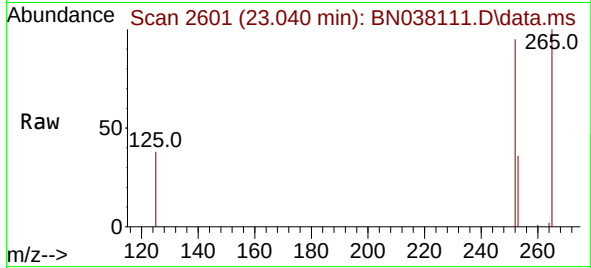




#38
Benzo(k)fluoranthene
Concen: 0.096 ng
RT: 23.040 min Scan# 20
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

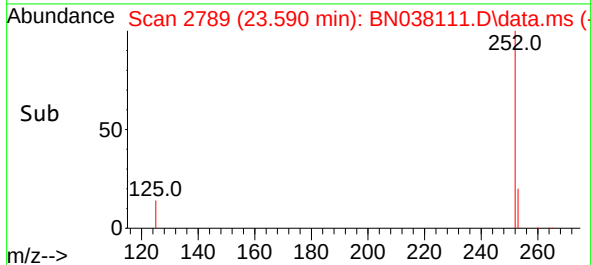
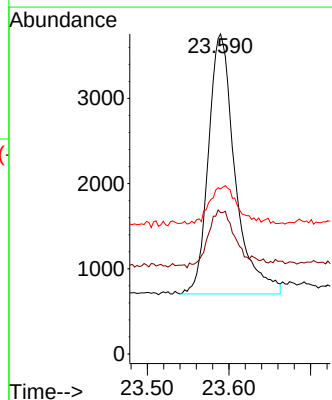
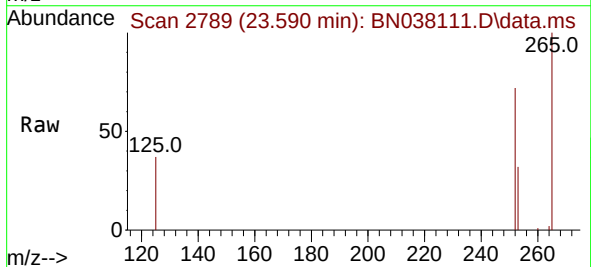
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

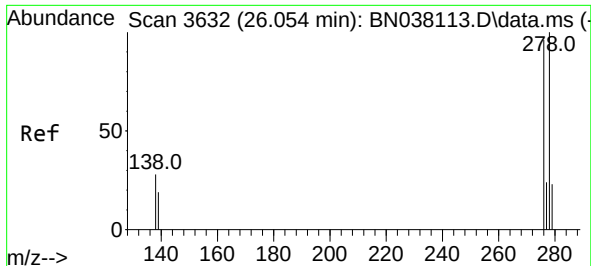
Tgt Ion:252 Resp: 8515
Ion Ratio Lower Upper
252 100
253 38.3 21.2 31.8#
125 39.7 14.6 22.0#



#39
Benzo(a)pyrene
Concen: 0.098 ng
RT: 23.590 min Scan# 2789
Delta R.T. 0.012 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:252 Resp: 6927
Ion Ratio Lower Upper
252 100
253 44.2 23.1 34.7#
125 51.6 18.6 28.0#

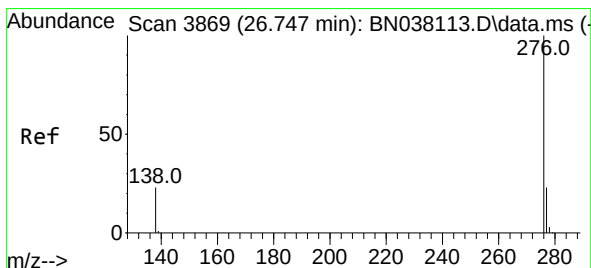
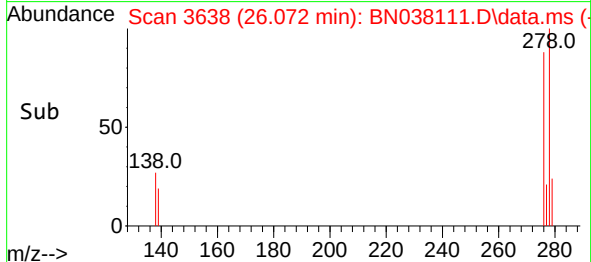
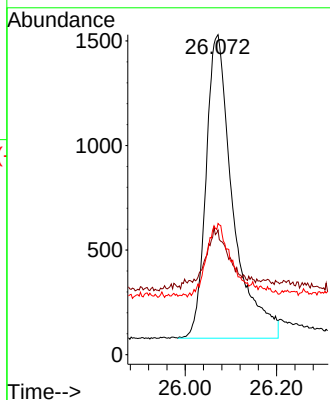
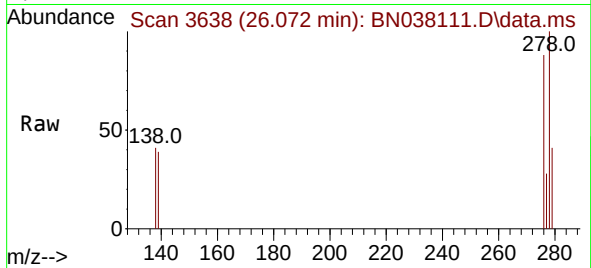




#40
Dibenzo(a,h)anthracene
Concen: 0.091 ng
RT: 26.072 min Scan# 30
Delta R.T. 0.023 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 5922
Ion Ratio Lower Upper
278 100
139 38.9 17.6 26.4#
279 41.0 22.6 33.8#



#41
Benzo(g,h,i)perylene
Concen: 0.097 ng
RT: 26.765 min Scan# 3875
Delta R.T. 0.015 min
Lab File: BN038111.D
Acq: 28 Oct 2025 13:00

Tgt Ion:276 Resp: 7227
Ion Ratio Lower Upper
276 100
277 27.6 19.7 29.5
138 34.5 20.2 30.4#

