

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112725\
 Data File : BN038212.D
 Acq On : 26 Nov 2025 20:35
 Operator : RC/JU
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

Quant Time: Nov 28 20:54:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 28 20:22:09 2025
 Response via : Initial Calibration

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

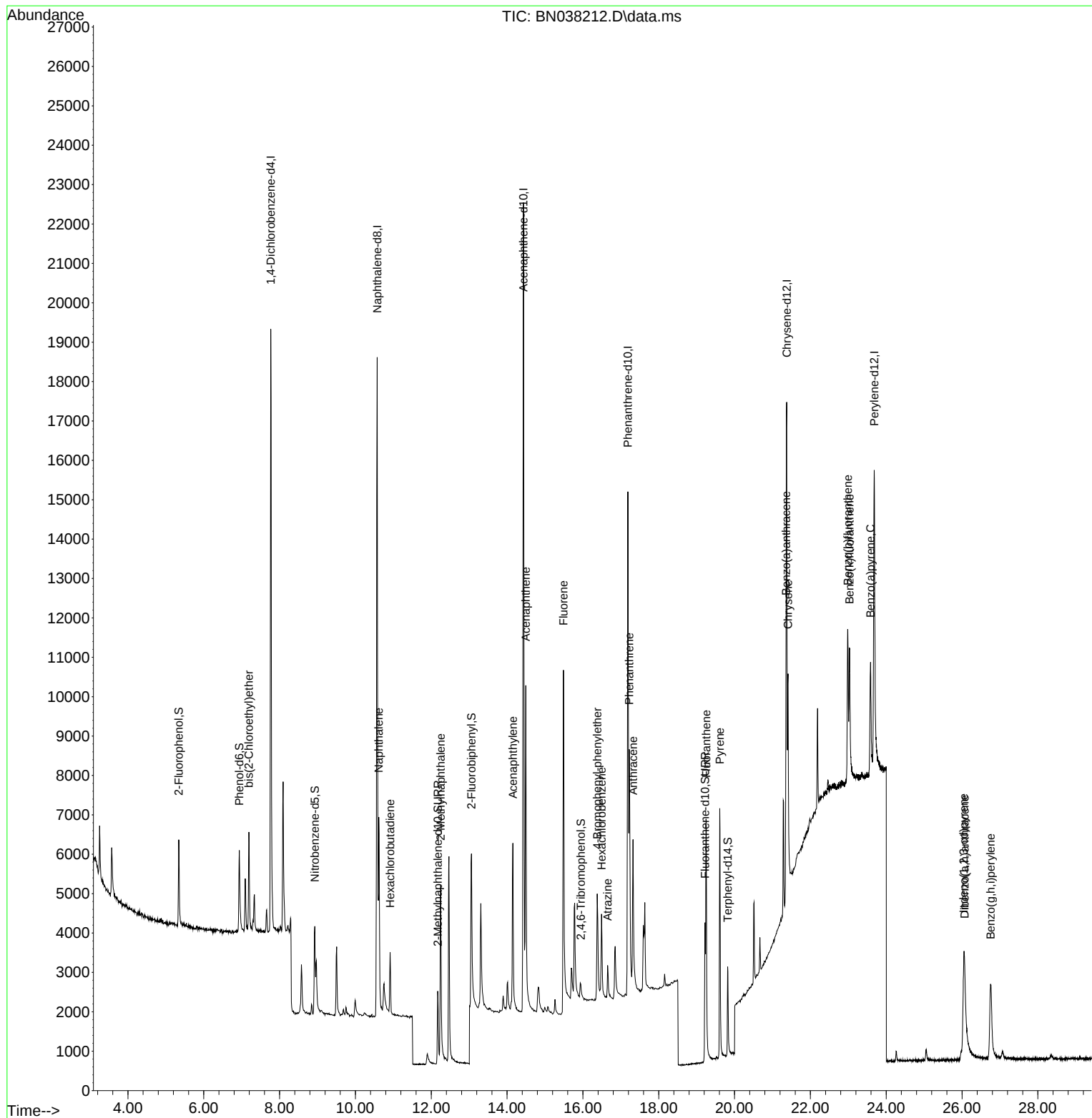
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.768	152	8004	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	24261	0.400	ng	0.00
13) Acenaphthene-d10	14.430	164	13487	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	22239	0.400	ng	0.00
29) Chrysene-d12	21.375	240	12844	0.400	ng	# 0.00
35) Perylene-d12	23.683	264	12898	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	2018	0.108	ng	0.00
5) Phenol-d6	6.937	99	2361	0.101	ng	0.00
8) Nitrobenzene-d5	8.929	82	2243	0.116	ng	0.01
11) 2-Methylnaphthalene-d10	12.172	152	3243	0.094	ng	0.00
14) 2,4,6-Tribromophenol	15.945	330	357	0.084	ng	0.01
15) 2-Fluorobiphenyl	13.062	172	5461	0.105	ng	0.01
27) Fluoranthene-d10	19.220	212	4740	0.098	ng	0.00
31) Terphenyl-d14	19.819	244	2901	0.098	ng	0.00
Target Compounds						Qvalue
6) bis(2-Chloroethyl)ether	7.190	93	2134	0.095	ng	95
9) Naphthalene	10.616	128	6988	0.104	ng	96
10) Hexachlorobutadiene	10.915	225	1231	0.107	ng	# 97
12) 2-Methylnaphthalene	12.248	142	4222	0.095	ng	97
16) Acenaphthylene	14.152	152	5921	0.098	ng	100
17) Acenaphthene	14.495	154	4196	0.100	ng	97
18) Fluorene	15.489	166	5207	0.096	ng	100
21) 4-Bromophenyl-phenylether	16.379	248	1492	0.097	ng	# 77
22) Hexachlorobenzene	16.491	284	2097	0.111	ng	98
23) Atrazine	16.652	200	918	0.093	ng	# 89
25) Phenanthrene	17.223	178	6934	0.099	ng	99
26) Anthracene	17.322	178	5536	0.093	ng	100
28) Fluoranthene	19.253	202	6527	0.097	ng	99
30) Pyrene	19.610	202	6634	0.103	ng	100
32) Benzo(a)anthracene	21.358	228	4241	0.097	ng	97
33) Chrysene	21.411	228	5593	0.109	ng	98
36) Indeno(1,2,3-cd)pyrene	26.045	276	5633	0.094	ng	# 92
37) Benzo(b)fluoranthene	22.987	252	5040	0.095	ng	# 56
38) Benzo(k)fluoranthene	23.031	252	5245	0.095	ng	# 63
39) Benzo(a)pyrene	23.587	252	4558	0.103	ng	# 40
40) Dibenzo(a,h)anthracene	26.069	278	4077	0.090	ng	# 68
41) Benzo(g,h,i)perylene	26.753	276	5553m	0.103	ng	

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

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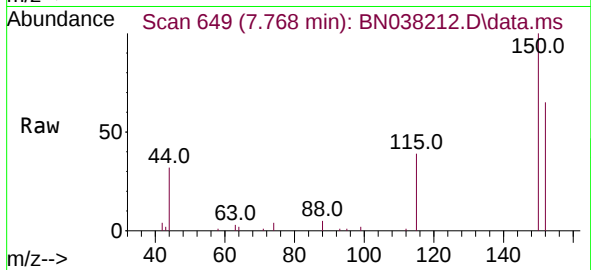
Quant Time: Nov 28 20:54:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 20:22:09 2025
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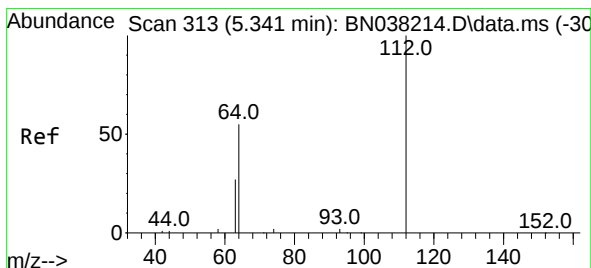
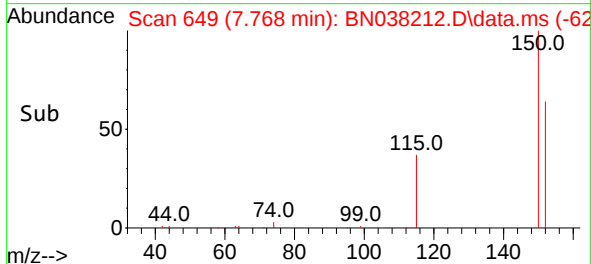
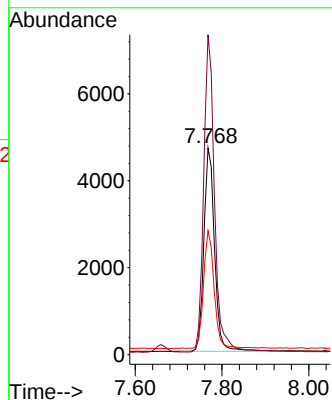
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.768 min Scan# 649
 Delta R.T. -0.000 min
 Lab File: BN038212.D
 Acq: 26 Nov 2025 20:35

Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1



Tgt Ion:152 Resp: 8004

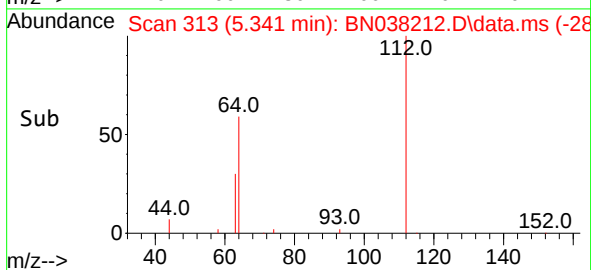
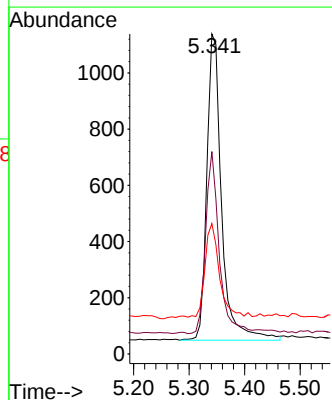
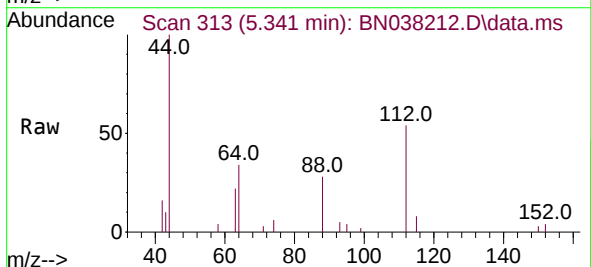
Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.3	187.9
115	60.0	49.0	73.4

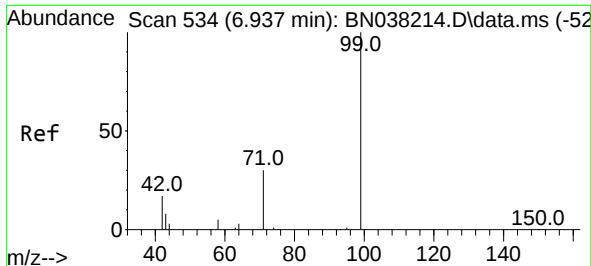


#4
 2-Fluorophenol
 Concen: 0.108 ng
 RT: 5.341 min Scan# 313
 Delta R.T. 0.000 min
 Lab File: BN038212.D
 Acq: 26 Nov 2025 20:35

Tgt Ion:112 Resp: 2018

Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.0	67.4
63	29.6	23.2	34.8

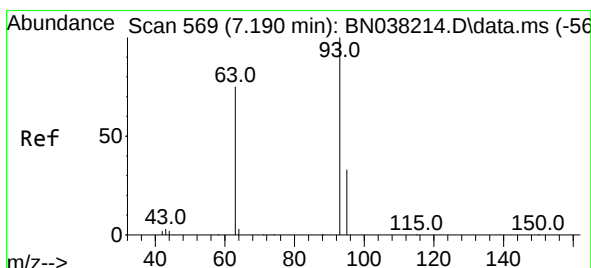
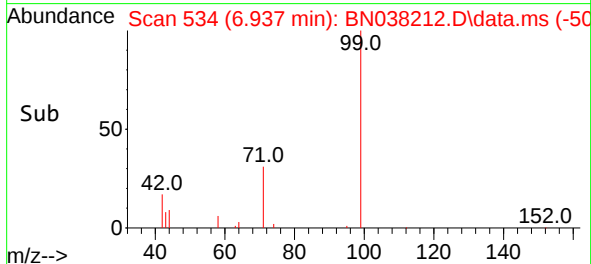
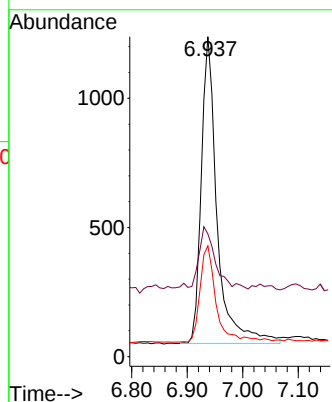
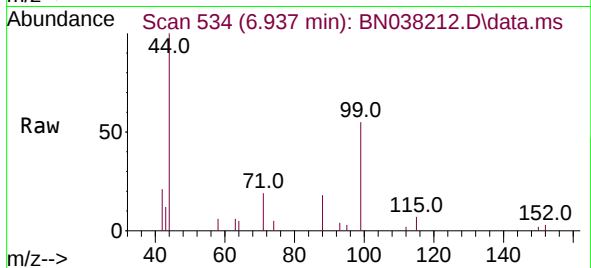




#5
Phenol-d6
Concen: 0.101 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

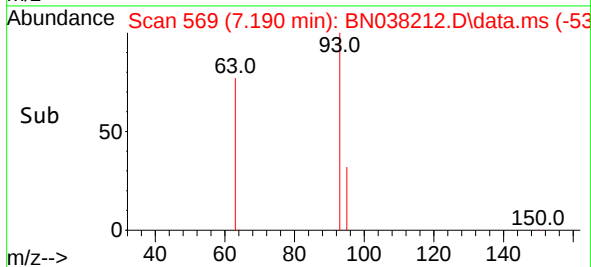
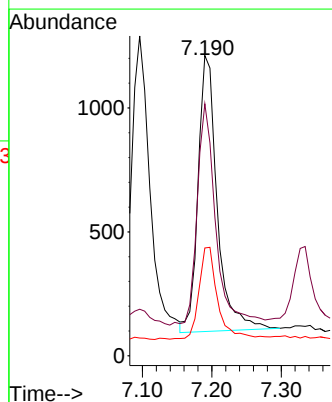
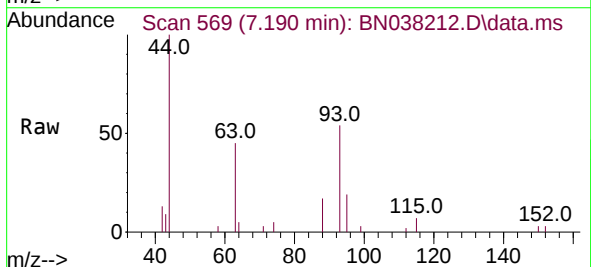
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

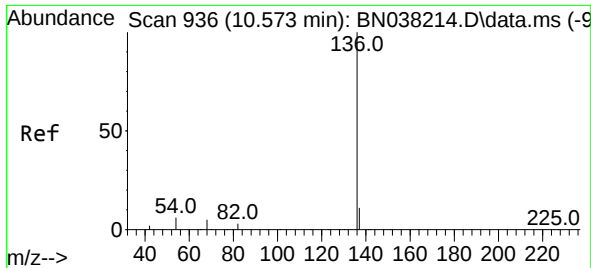
Tgt Ion:	99	Resp:	2361
Ion	Ratio	Lower	Upper
99	100		
42	23.7	17.0	25.6
71	32.5	25.4	38.2



#6
bis(2-Chloroethyl)ether
Concen: 0.095 ng
RT: 7.190 min Scan# 569
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:	93	Resp:	2134
Ion	Ratio	Lower	Upper
93	100		
63	78.2	58.1	87.1
95	32.9	25.1	37.7

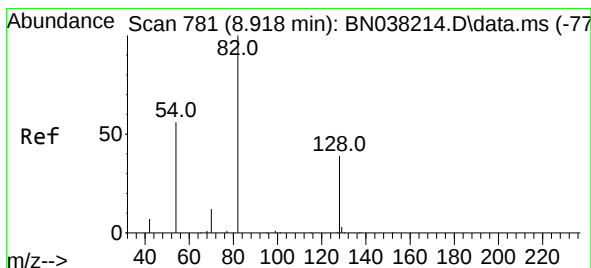
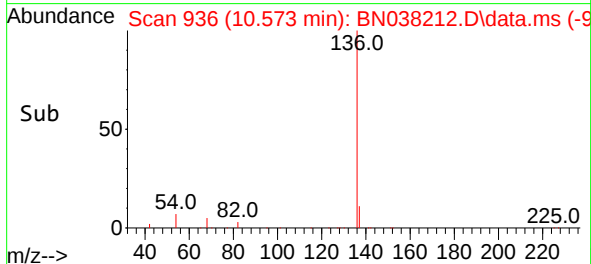
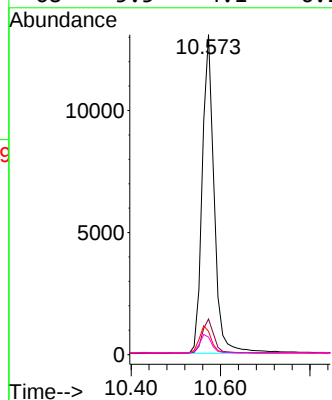
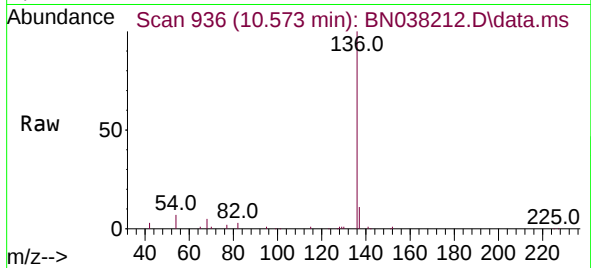




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 936
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

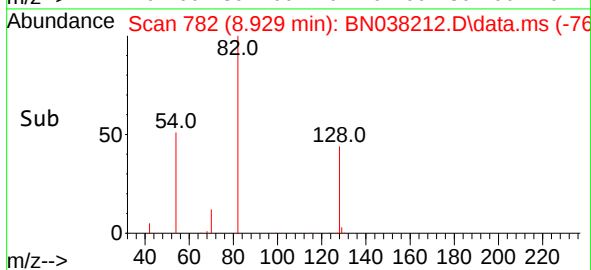
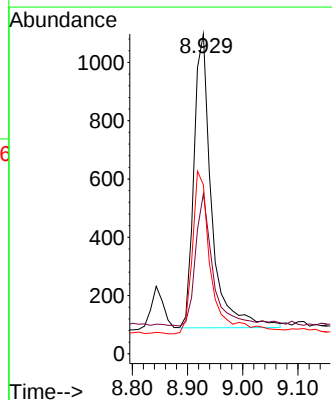
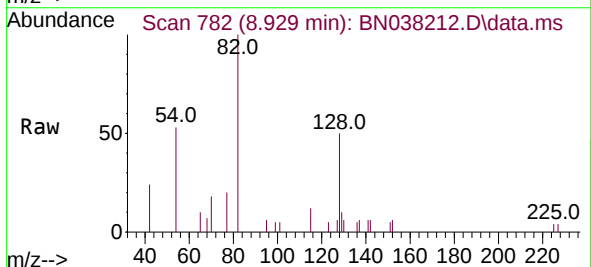
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

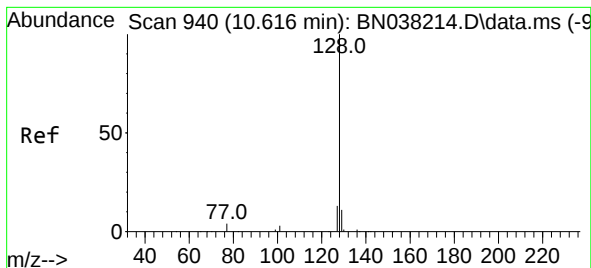
Tgt Ion:	136	Resp:	24261
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.3	5.4	8.0
68	5.5	4.1	6.1



#8
Nitrobenzene-d5
Concen: 0.116 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:	82	Resp:	2243
Ion Ratio	Lower	Upper	
82	100		
128	50.1	32.6	48.8
54	52.8	45.4	68.0





#9

Naphthalene

Concen: 0.104 ng

RT: 10.616 min Scan# 940

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

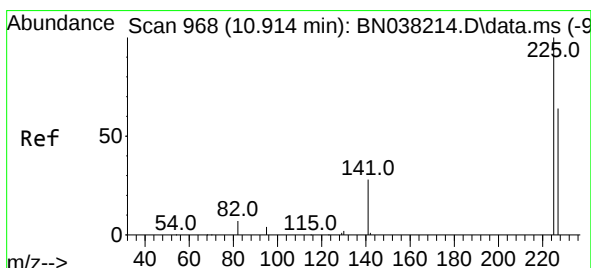
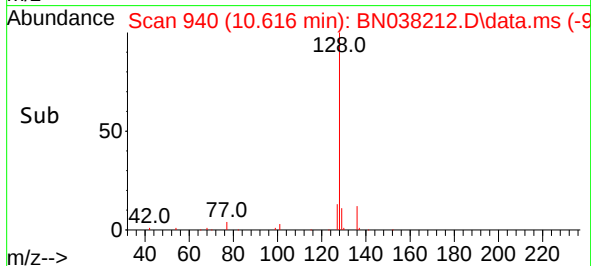
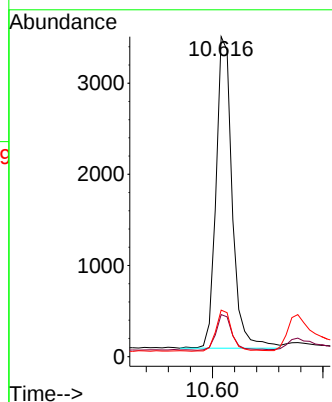
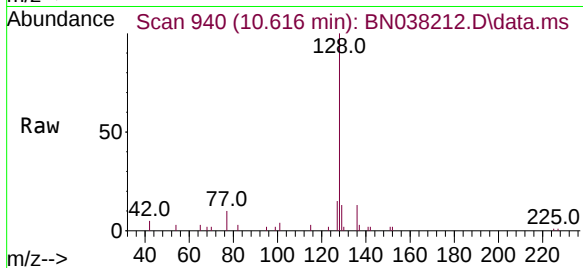
Tgt Ion:128 Resp: 6988

Ion Ratio Lower Upper

128 100

129 13.1 9.1 13.7

127 14.6 10.6 16.0



#10

Hexachlorobutadiene

Concen: 0.107 ng

RT: 10.915 min Scan# 968

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

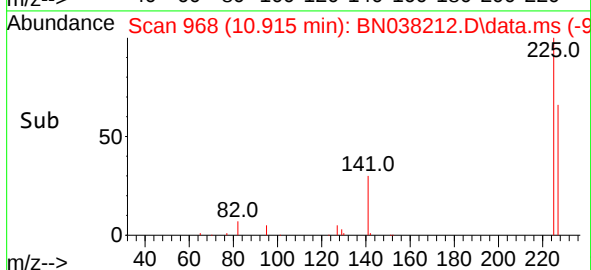
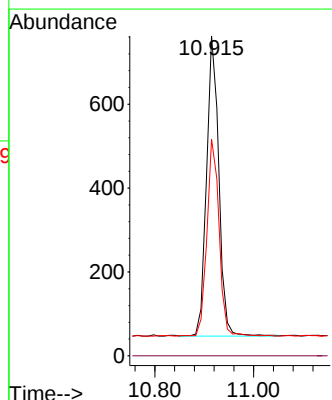
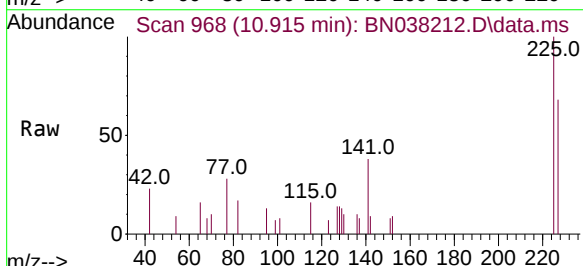
Tgt Ion:225 Resp: 1231

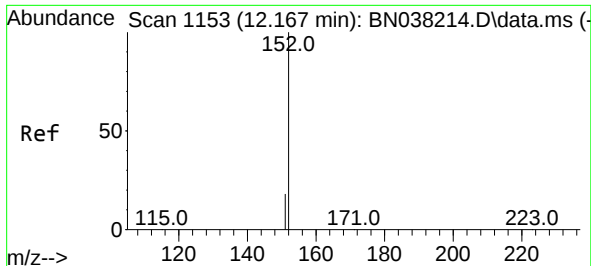
Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

227 65.1 50.5 75.7

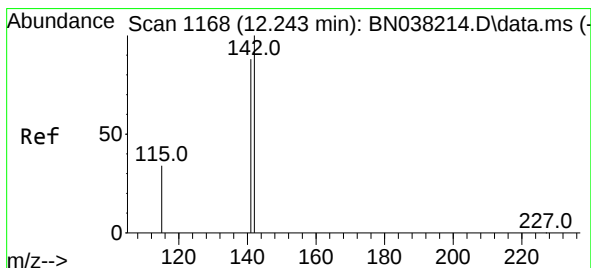
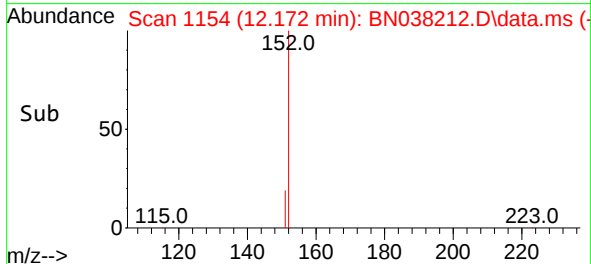
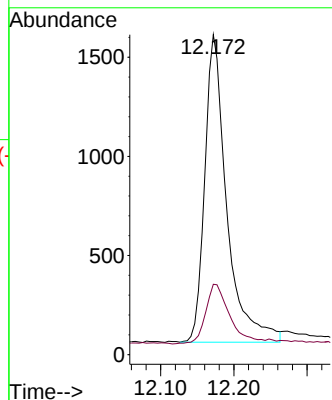
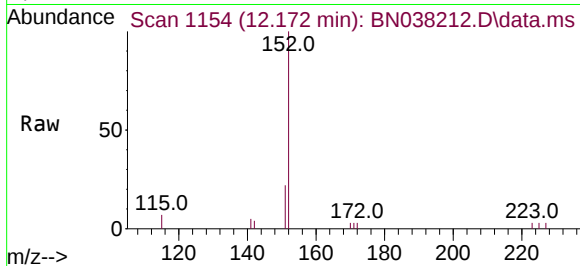




#11
2-Methylnaphthalene-d10
Concen: 0.094 ng
RT: 12.172 min Scan# 1153
Delta R.T. 0.005 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

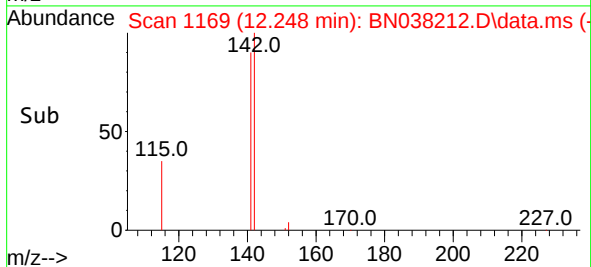
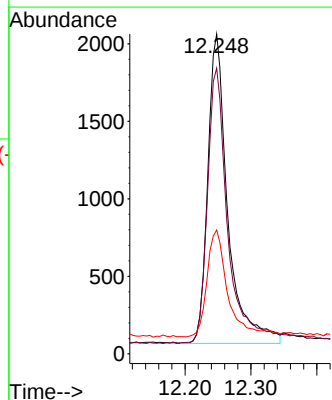
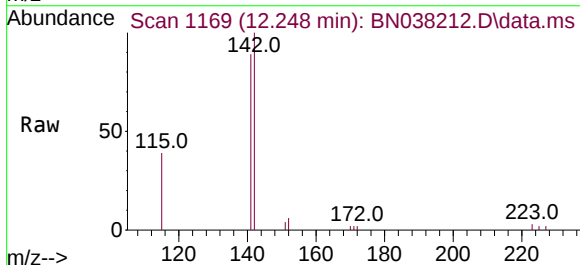
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

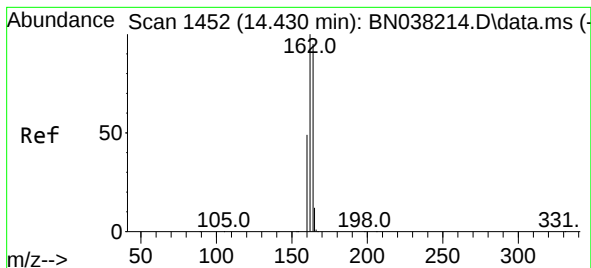
Tgt Ion:152 Resp: 3243
Ion Ratio Lower Upper
152 100
151 21.4 16.7 25.1



#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.248 min Scan# 1169
Delta R.T. 0.005 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:142 Resp: 4222
Ion Ratio Lower Upper
142 100
141 89.3 70.9 106.3
115 38.7 27.7 41.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.430 min Scan# 14

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

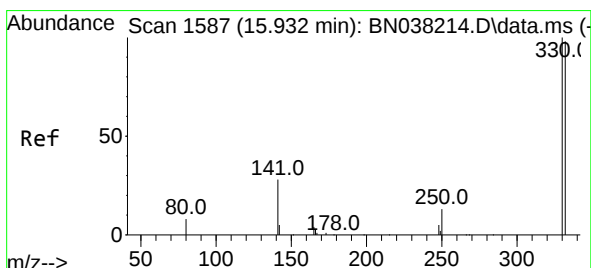
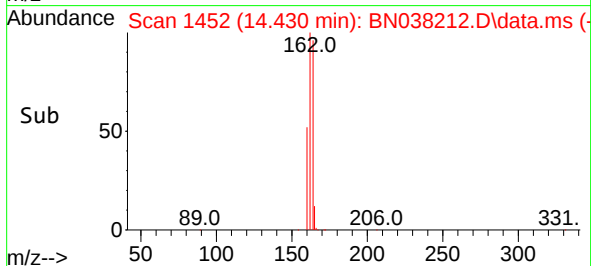
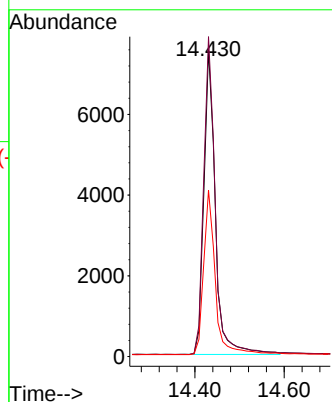
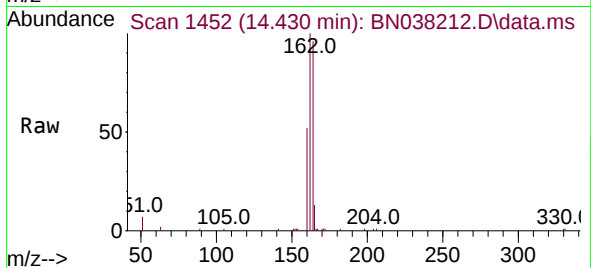
Tgt Ion:164 Resp: 13487

Ion Ratio Lower Upper

164 100

162 104.5 83.8 125.8

160 54.4 41.6 62.4



#14

2,4,6-Tribromophenol

Concen: 0.084 ng

RT: 15.945 min Scan# 1588

Delta R.T. 0.013 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

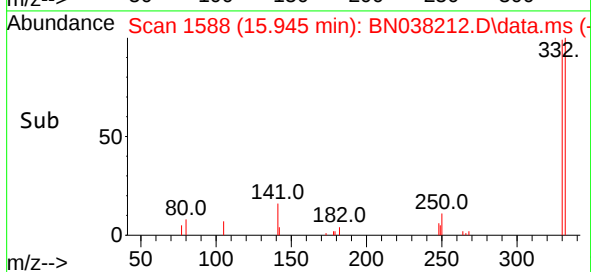
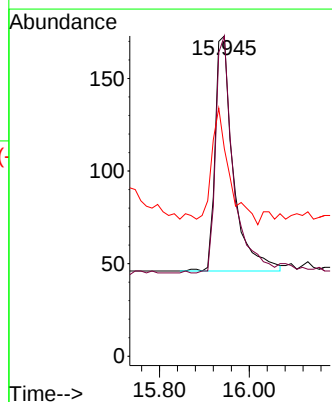
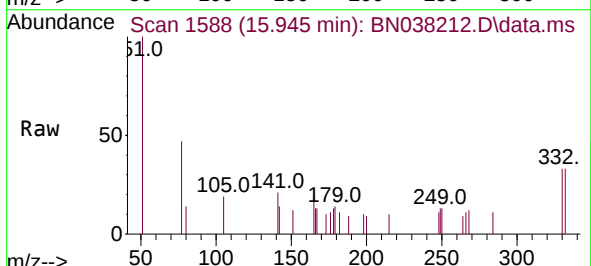
Tgt Ion:330 Resp: 357

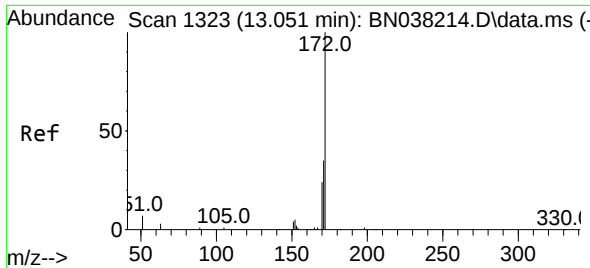
Ion Ratio Lower Upper

330 100

332 98.6 77.8 116.6

141 48.2 33.0 49.4

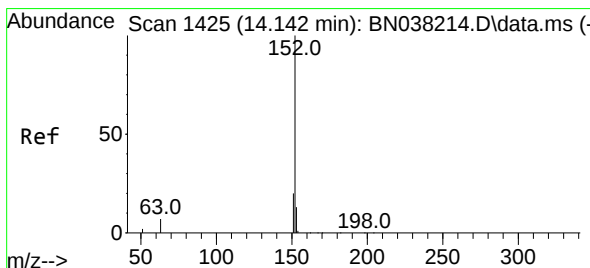
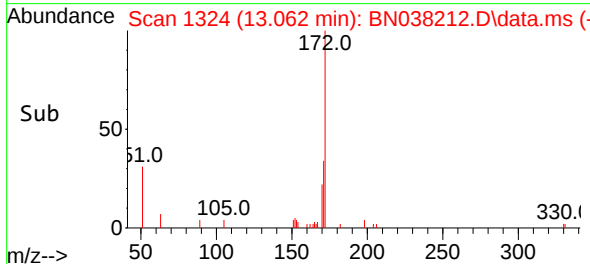
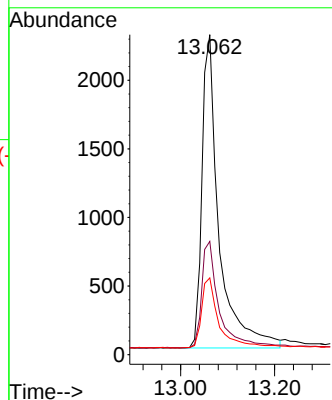
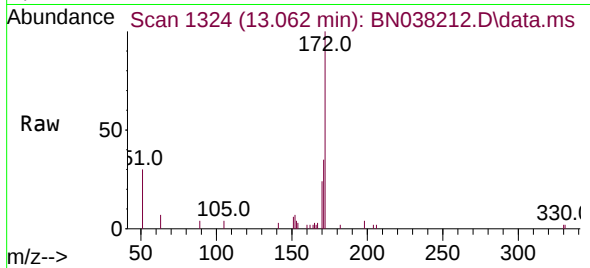




#15
2-Fluorobiphenyl
Concen: 0.105 ng
RT: 13.062 min Scan# 1323
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

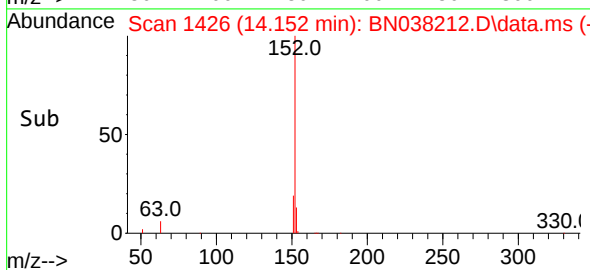
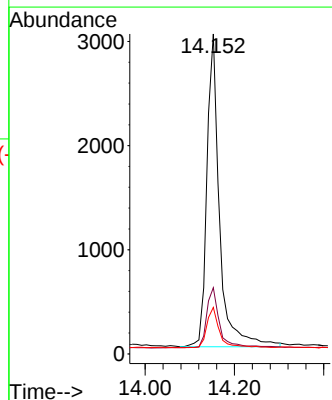
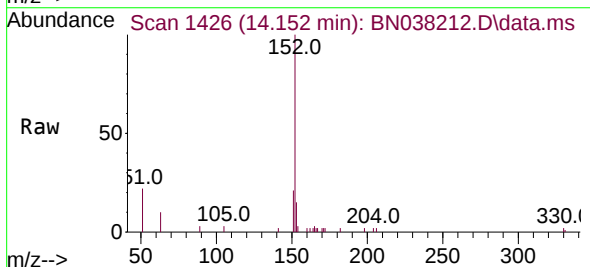
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

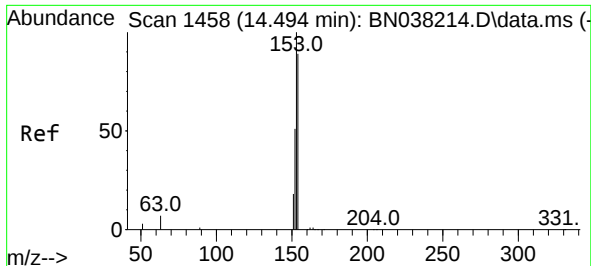
Tgt Ion:172 Resp: 5461
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 24.0 19.1 28.7



#16
Acenaphthylene
Concen: 0.098 ng
RT: 14.152 min Scan# 1426
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:152 Resp: 5921
Ion Ratio Lower Upper
152 100
151 19.7 15.6 23.4
153 13.1 10.6 15.8

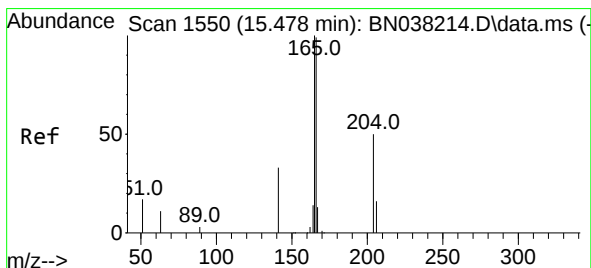
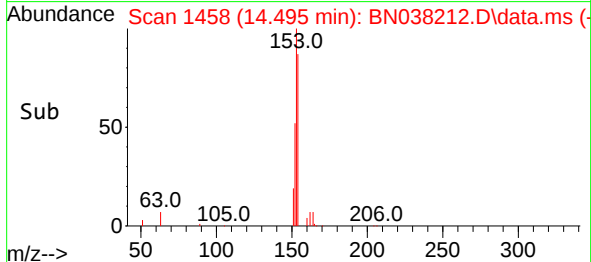
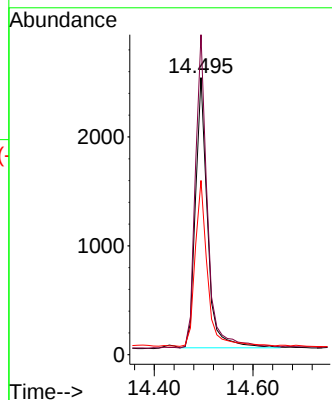
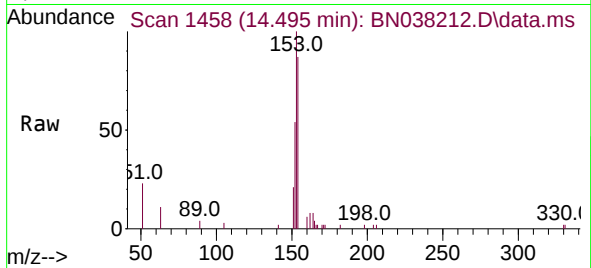




#17
Acenaphthene
Concen: 0.100 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

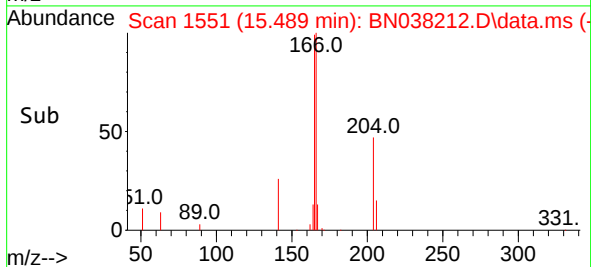
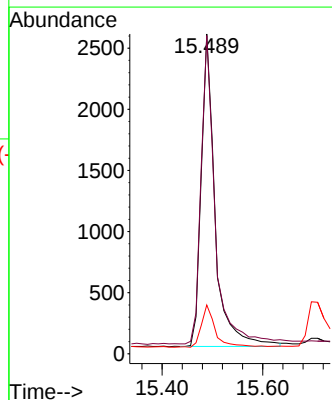
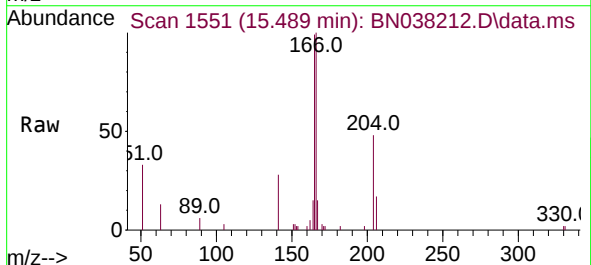
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

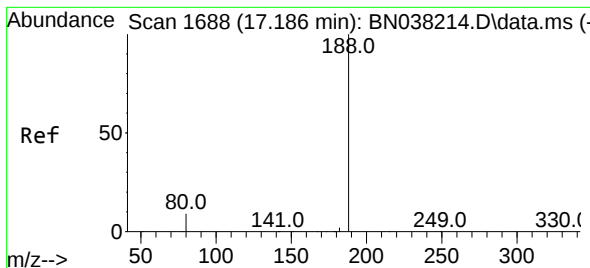
Tgt Ion:154 Resp: 4196
Ion Ratio Lower Upper
154 100
153 116.8 91.1 136.7
152 62.9 48.2 72.2



#18
Fluorene
Concen: 0.096 ng
RT: 15.489 min Scan# 1551
Delta R.T. 0.011 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:166 Resp: 5207
Ion Ratio Lower Upper
166 100
165 98.4 78.7 118.1
167 13.6 10.9 16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.186 min Scan# 1688

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BNA_N

ClientSampleId :

SSTDICC0.1

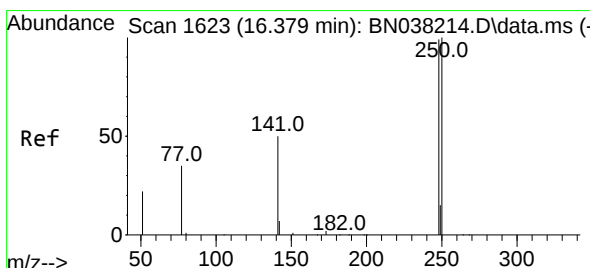
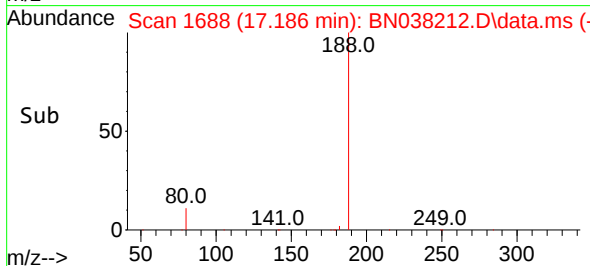
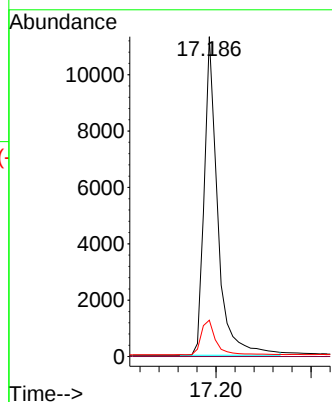
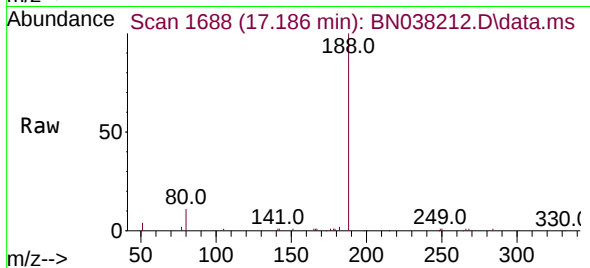
Tgt Ion:188 Resp: 22239

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.4 7.7 11.5



#21

4-Bromophenyl-phenylether

Concen: 0.097 ng

RT: 16.379 min Scan# 1623

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

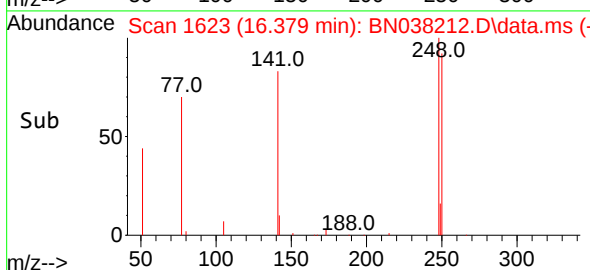
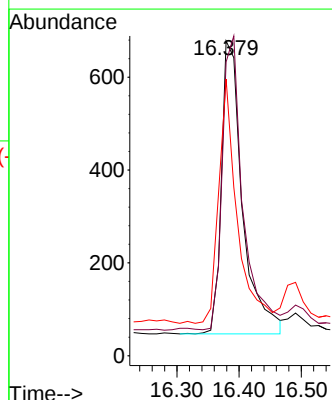
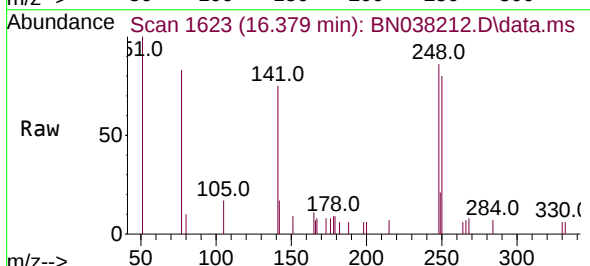
Tgt Ion:248 Resp: 1492

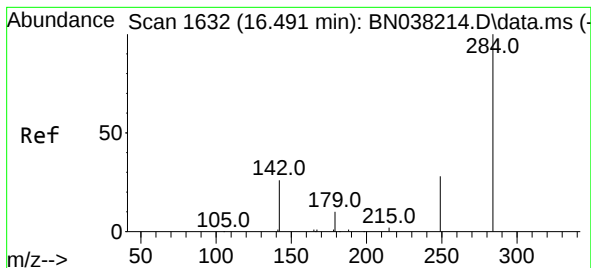
Ion Ratio Lower Upper

248 100

250 93.4 80.8 121.2

141 87.9 41.0 61.6#





#22

Hexachlorobenzene

Concen: 0.111 ng

RT: 16.491 min Scan# 1632

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

Instrument :

BN_A_N

ClientSampleId :

SSTDICC0.1

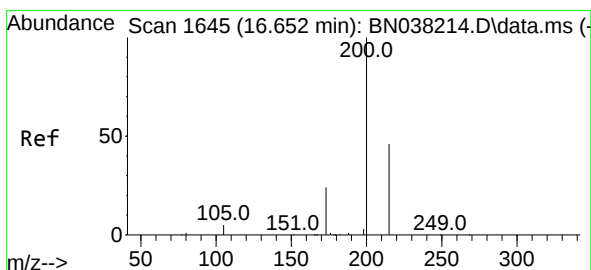
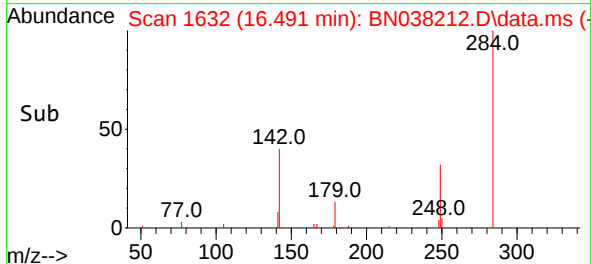
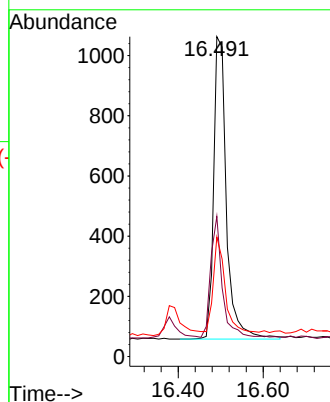
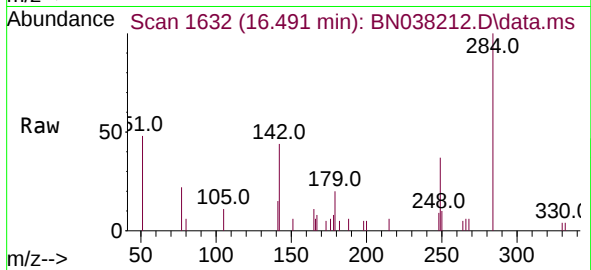
Tgt Ion:284 Resp: 2097

Ion Ratio Lower Upper

284 100

142 36.2 30.5 45.7

249 29.5 23.8 35.8



#23

Atrazine

Concen: 0.093 ng

RT: 16.652 min Scan# 1645

Delta R.T. 0.000 min

Lab File: BN038212.D

Acq: 26 Nov 2025 20:35

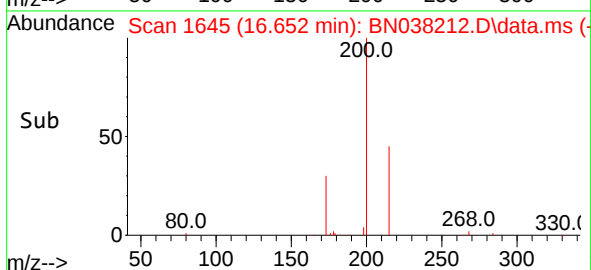
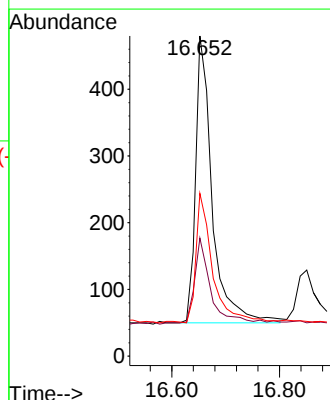
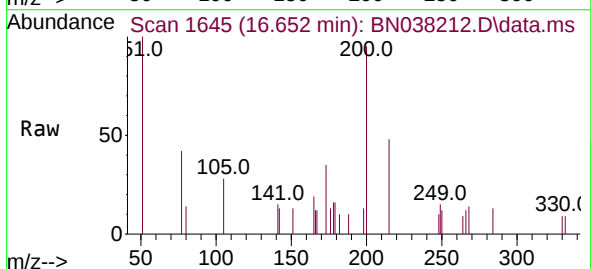
Tgt Ion:200 Resp: 918

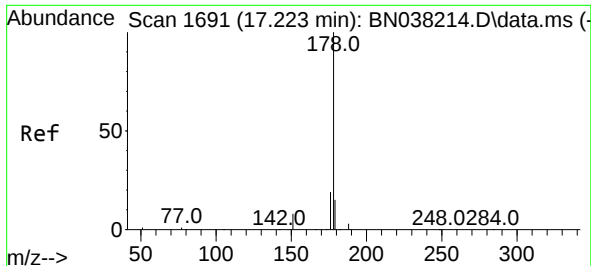
Ion Ratio Lower Upper

200 100

173 36.9 21.0 31.6#

215 50.8 37.8 56.8

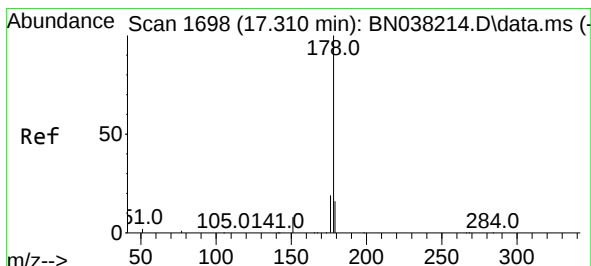
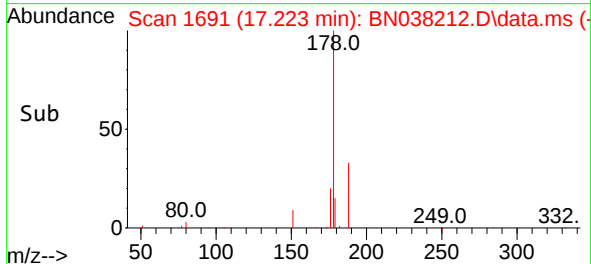
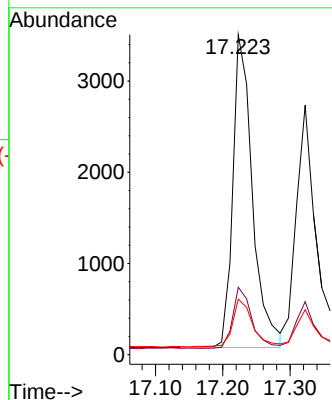
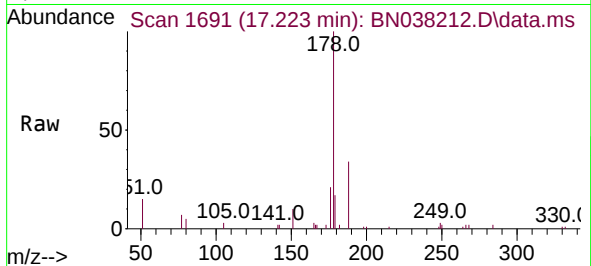




#25
Phenanthrene
Concen: 0.099 ng
RT: 17.223 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

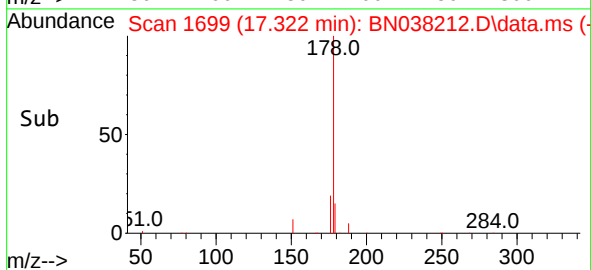
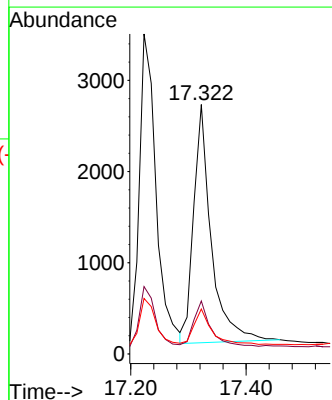
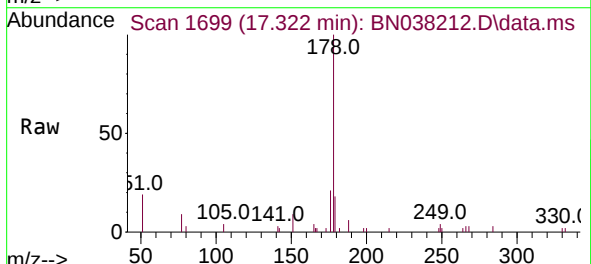
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

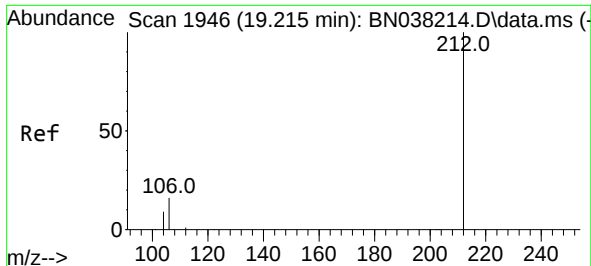
Tgt Ion:178 Resp: 6934
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.0 18.0



#26
Anthracene
Concen: 0.093 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.013 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:178 Resp: 5536
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.5 12.3 18.5

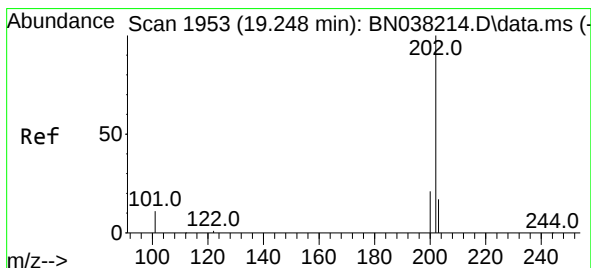
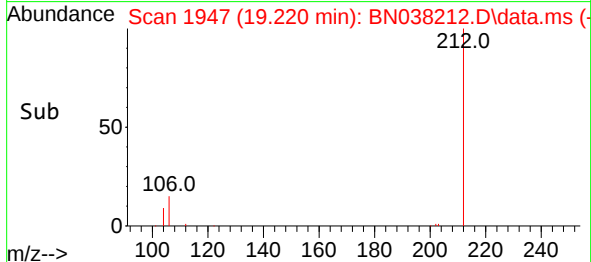
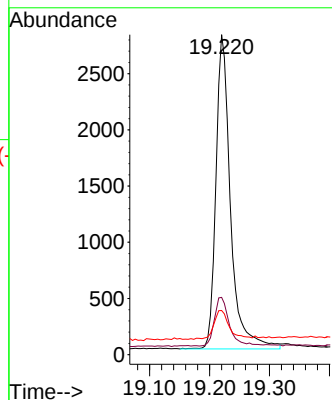
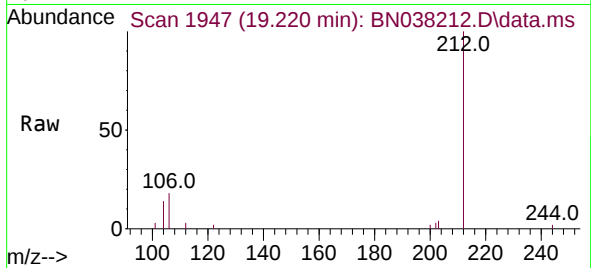




#27
Fluoranthene-d10
Concen: 0.098 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.005 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

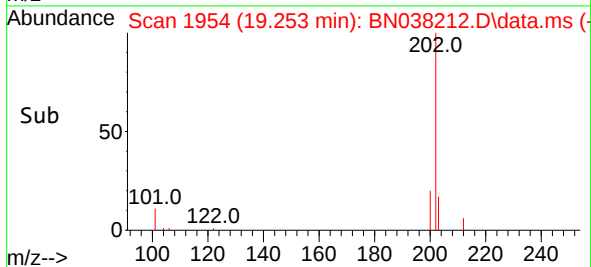
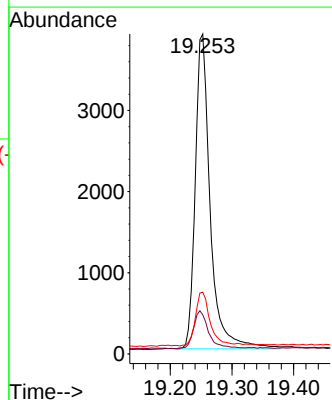
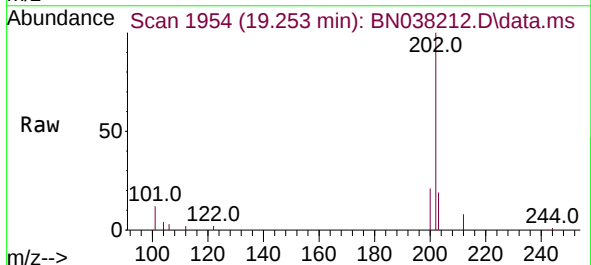
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

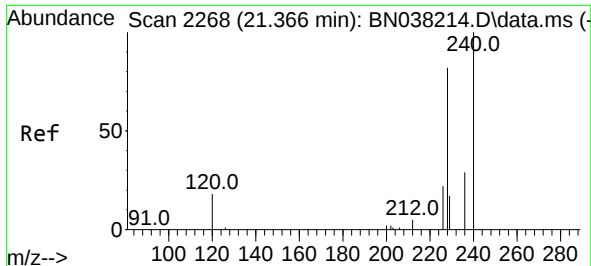
Tgt Ion:212 Resp: 4740
Ion Ratio Lower Upper
212 100
106 15.8 12.7 19.1
104 9.8 7.3 10.9



#28
Fluoranthene
Concen: 0.097 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.005 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:202 Resp: 6527
Ion Ratio Lower Upper
202 100
101 11.9 9.8 14.6
203 16.8 13.6 20.4

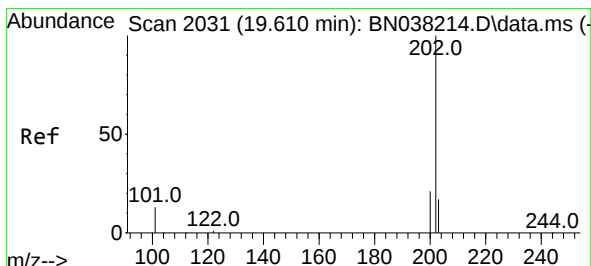
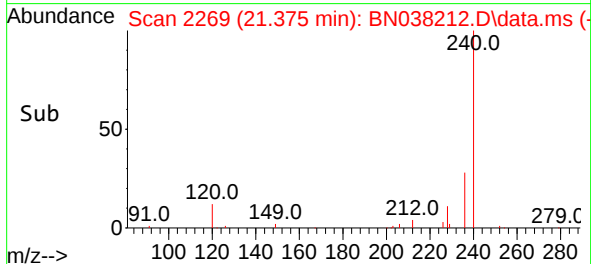
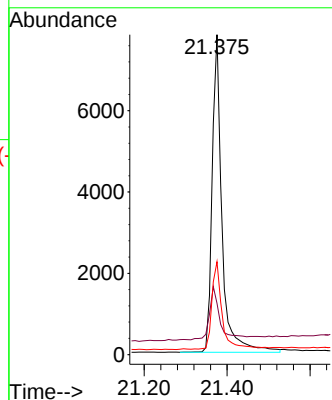
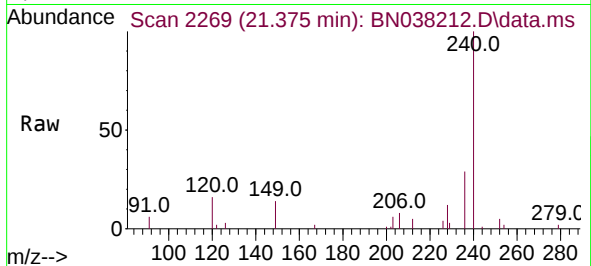




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

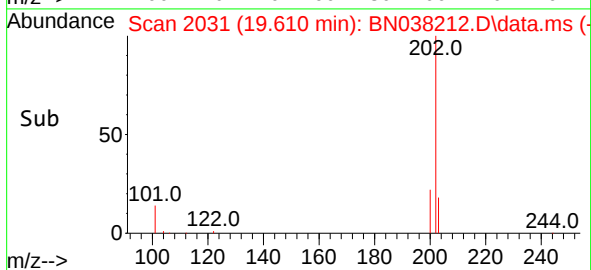
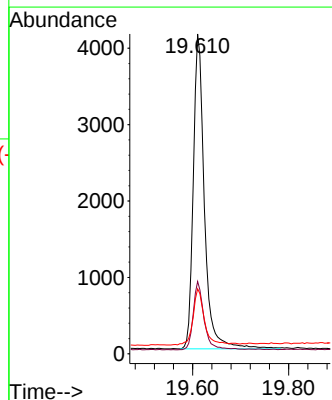
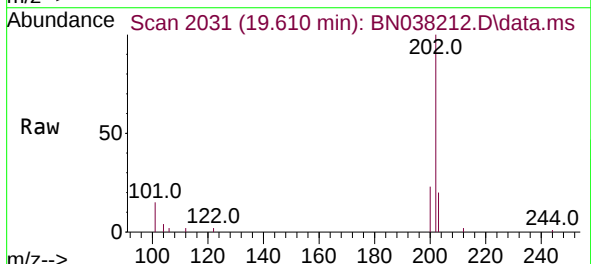
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

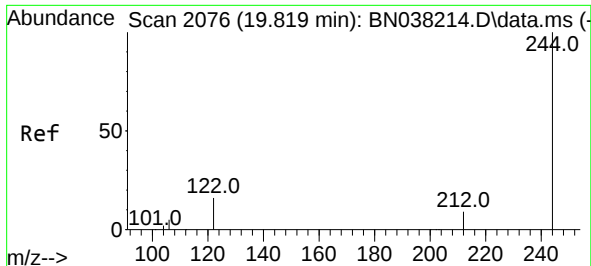
Tgt Ion:240 Resp: 12844
Ion Ratio Lower Upper
240 100
120 16.0 18.1 27.1#
236 29.0 24.2 36.4



#30
Pyrene
Concen: 0.103 ng
RT: 19.610 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:202 Resp: 6634
Ion Ratio Lower Upper
202 100
200 20.9 16.8 25.2
203 18.0 14.4 21.6

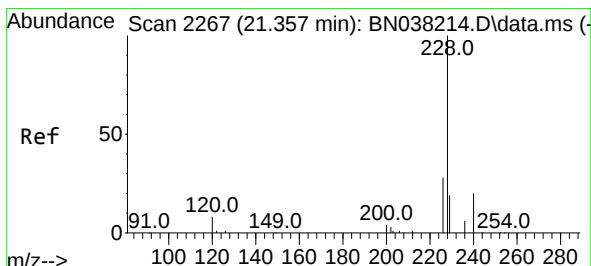
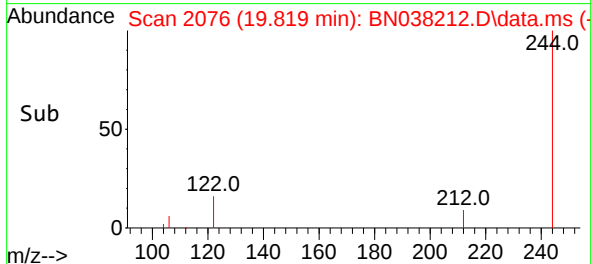
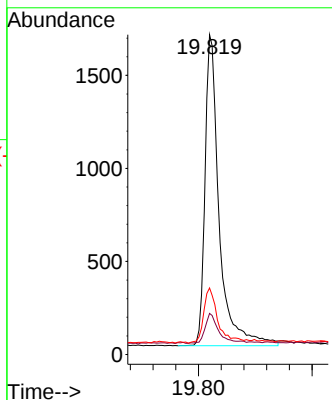
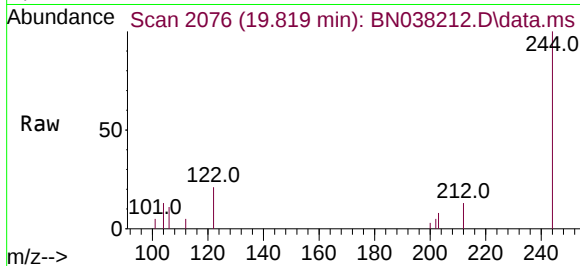




#31
 Terphenyl-d14
 Concen: 0.098 ng
 RT: 19.819 min Scan# 2076
 Delta R.T. 0.000 min
 Lab File: BN038212.D
 Acq: 26 Nov 2025 20:35

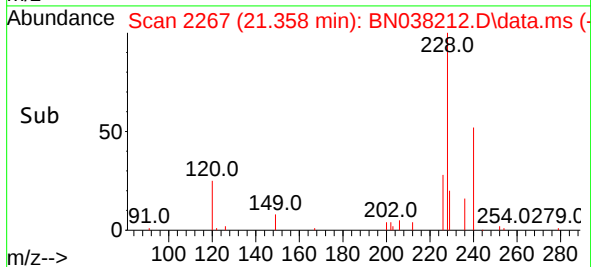
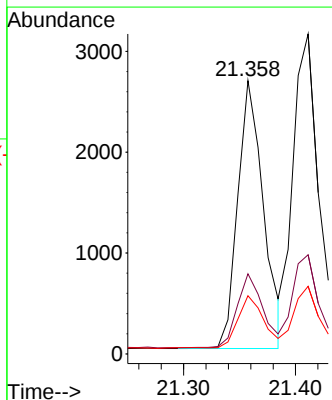
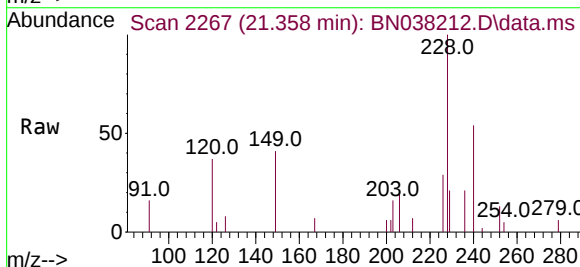
Instrument :
 BNA_N
 ClientSampleId :
 SSTDICC0.1

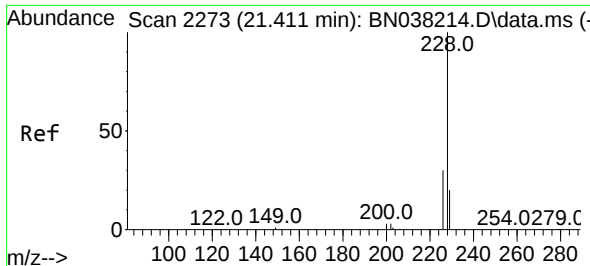
Tgt Ion:244 Resp: 2901
 Ion Ratio Lower Upper
 244 100
 212 12.9 7.7 11.5#
 122 20.8 13.6 20.4#



#32
 Benzo(a)anthracene
 Concen: 0.097 ng
 RT: 21.358 min Scan# 2267
 Delta R.T. 0.000 min
 Lab File: BN038212.D
 Acq: 26 Nov 2025 20:35

Tgt Ion:228 Resp: 4241
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.6 33.8
 229 21.3 15.8 23.8

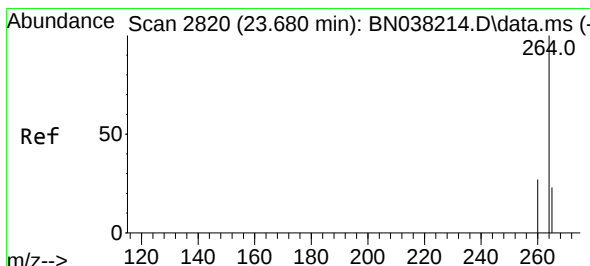
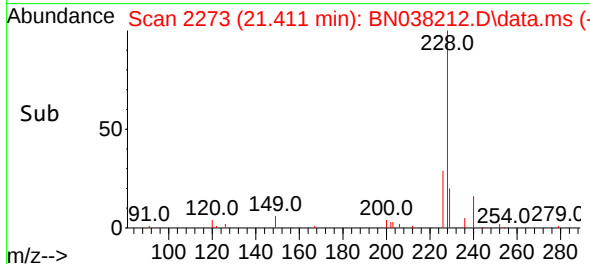
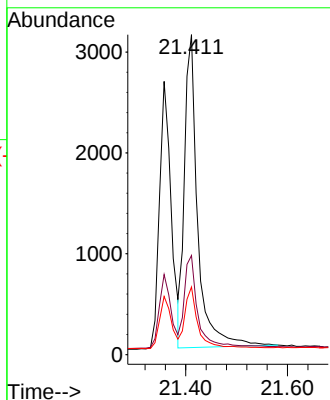
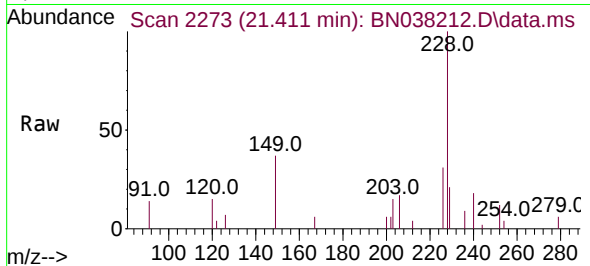




#33
Chrysene
Concen: 0.109 ng
RT: 21.411 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

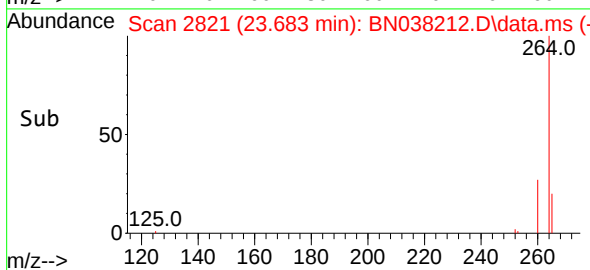
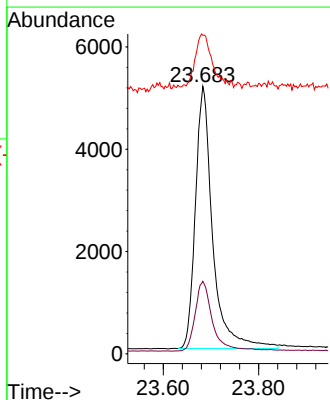
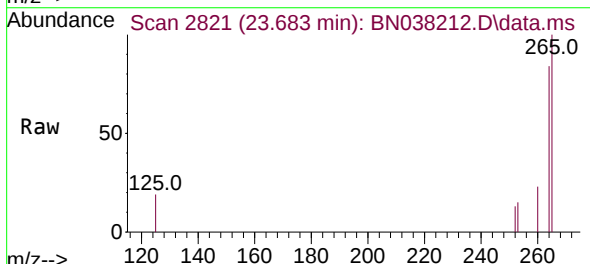
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

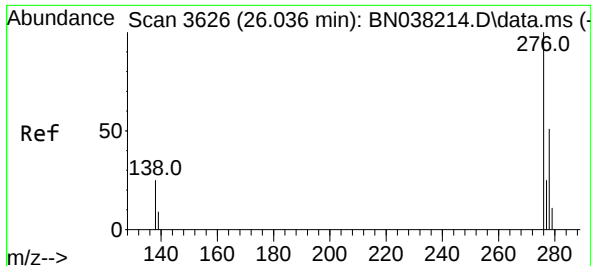
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.8	35.8
229	21.1	16.1	24.1



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.683 min Scan# 2821
Delta R.T. 0.003 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.1	21.7	32.5
265	119.1	98.0	147.0

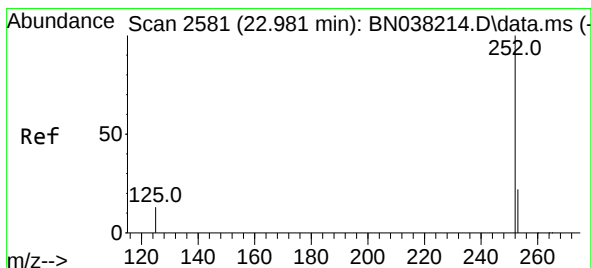
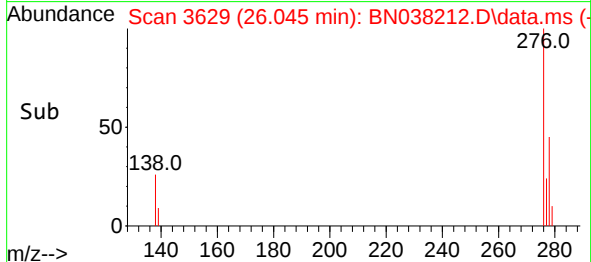
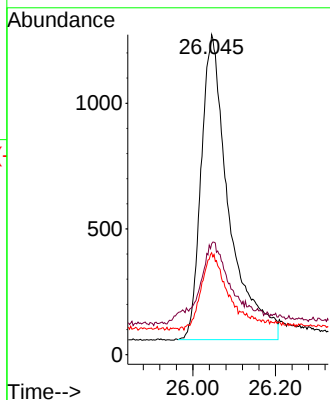
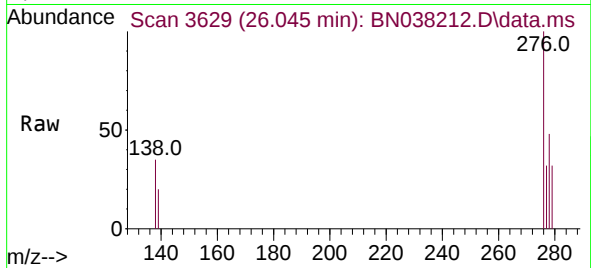




#36
Indeno(1,2,3-cd)pyrene
Concen: 0.094 ng
RT: 26.045 min Scan# 3626
Delta R.T. 0.009 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

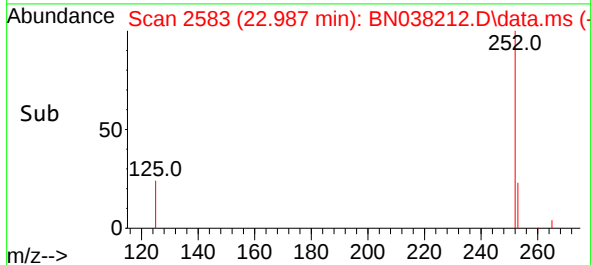
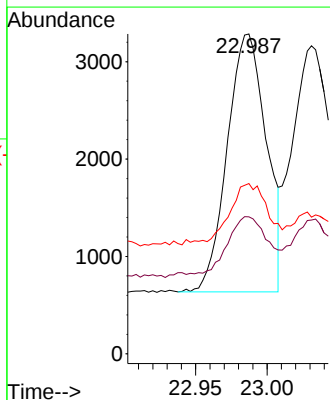
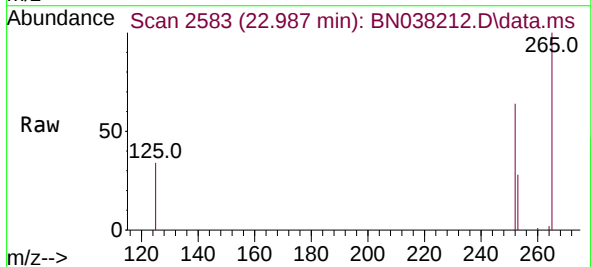
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

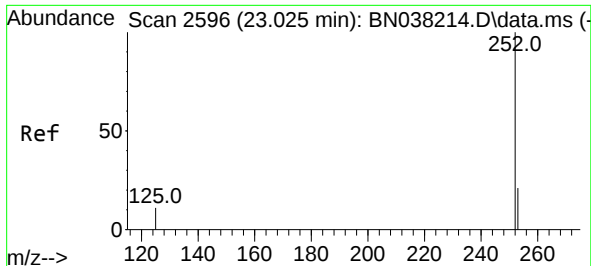
Tgt Ion:276 Resp: 5633
Ion Ratio Lower Upper
276 100
138 20.5 21.4 32.2#
277 22.5 19.1 28.7



#37
Benzo(b)fluoranthene
Concen: 0.095 ng
RT: 22.987 min Scan# 2583
Delta R.T. 0.006 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:252 Resp: 5040
Ion Ratio Lower Upper
252 100
253 42.8 22.2 33.4#
125 53.2 18.0 27.0#

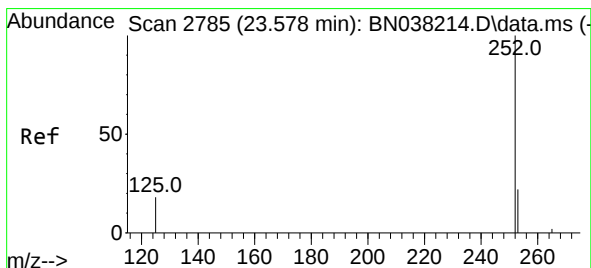
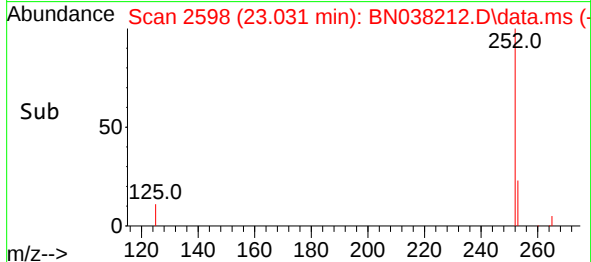
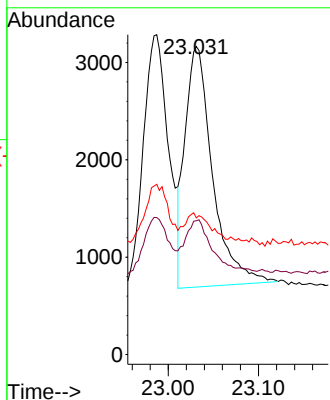
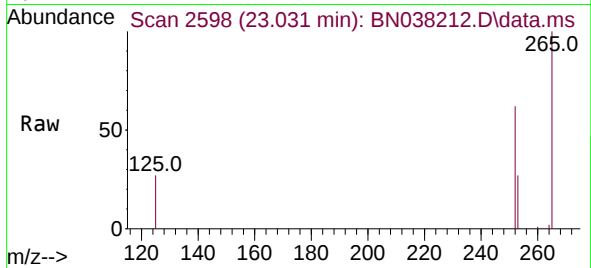




#38
Benzo(k)fluoranthene
Concen: 0.095 ng
RT: 23.031 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

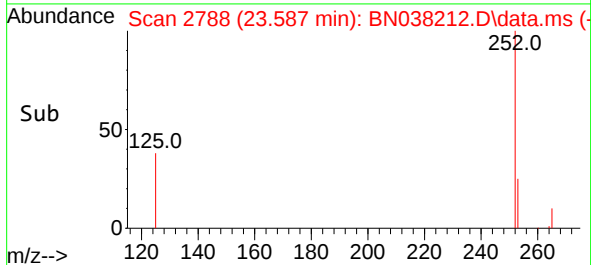
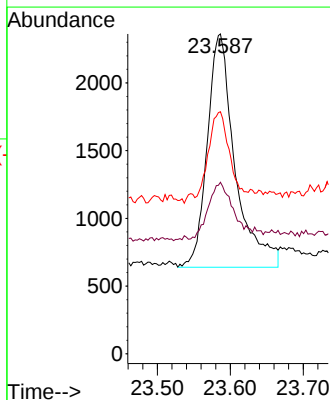
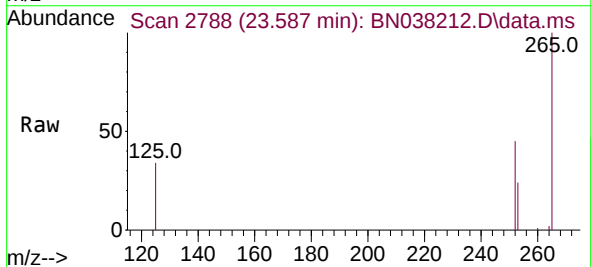
Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

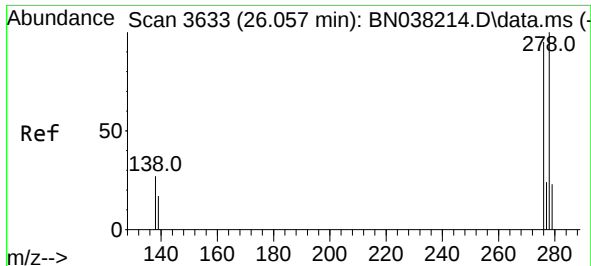
Tgt Ion:252 Resp: 5245
Ion Ratio Lower Upper
252 100
253 43.4 22.4 33.6#
125 44.4 17.5 26.3#



#39
Benzo(a)pyrene
Concen: 0.103 ng
RT: 23.587 min Scan# 2788
Delta R.T. 0.009 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:252 Resp: 4558
Ion Ratio Lower Upper
252 100
253 53.6 25.3 37.9#
125 75.7 25.2 37.8#

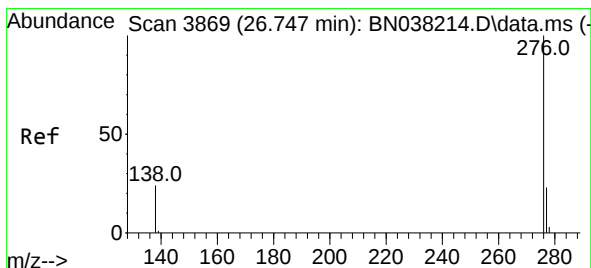
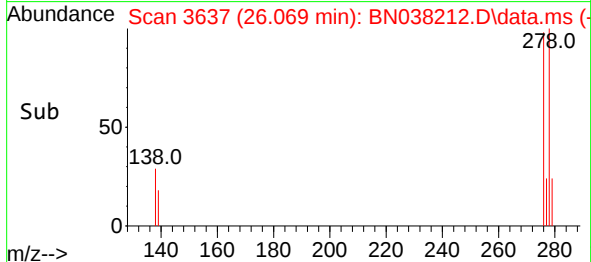
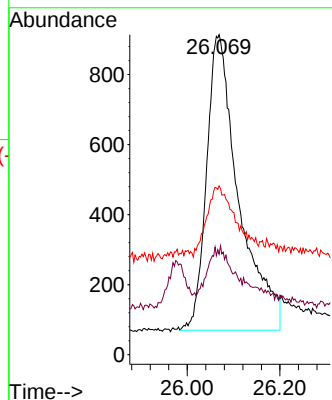
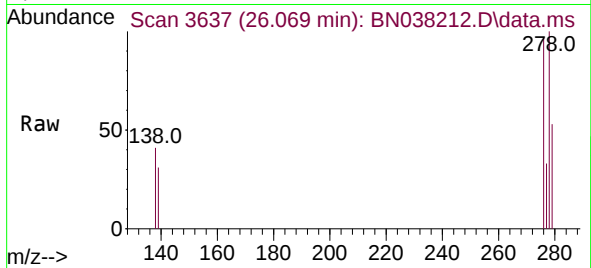




#40
Dibenzo(a,h)anthracene
Concen: 0.090 ng
RT: 26.069 min Scan# 3637
Delta R.T. 0.012 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Instrument :
BNA_N
ClientSampleId :
SSTDICC0.1

Tgt Ion:278 Resp: 4077
Ion Ratio Lower Upper
278 100
139 31.4 17.6 26.4#
279 52.7 24.2 36.4#



#41
Benzo(g,h,i)perylene
Concen: 0.103 ng m
RT: 26.753 min Scan# 3871
Delta R.T. 0.006 min
Lab File: BN038212.D
Acq: 26 Nov 2025 20:35

Tgt Ion:276 Resp: 5553
Ion Ratio Lower Upper
276 100
277 32.1 20.2 30.2#
138 33.9 20.8 31.2#

