

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103025\
 Data File : BN038126.D
 Acq On : 30 Oct 2025 17:12
 Operator : RC/JU
 Sample : Q3015-21
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 30 17:36:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

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

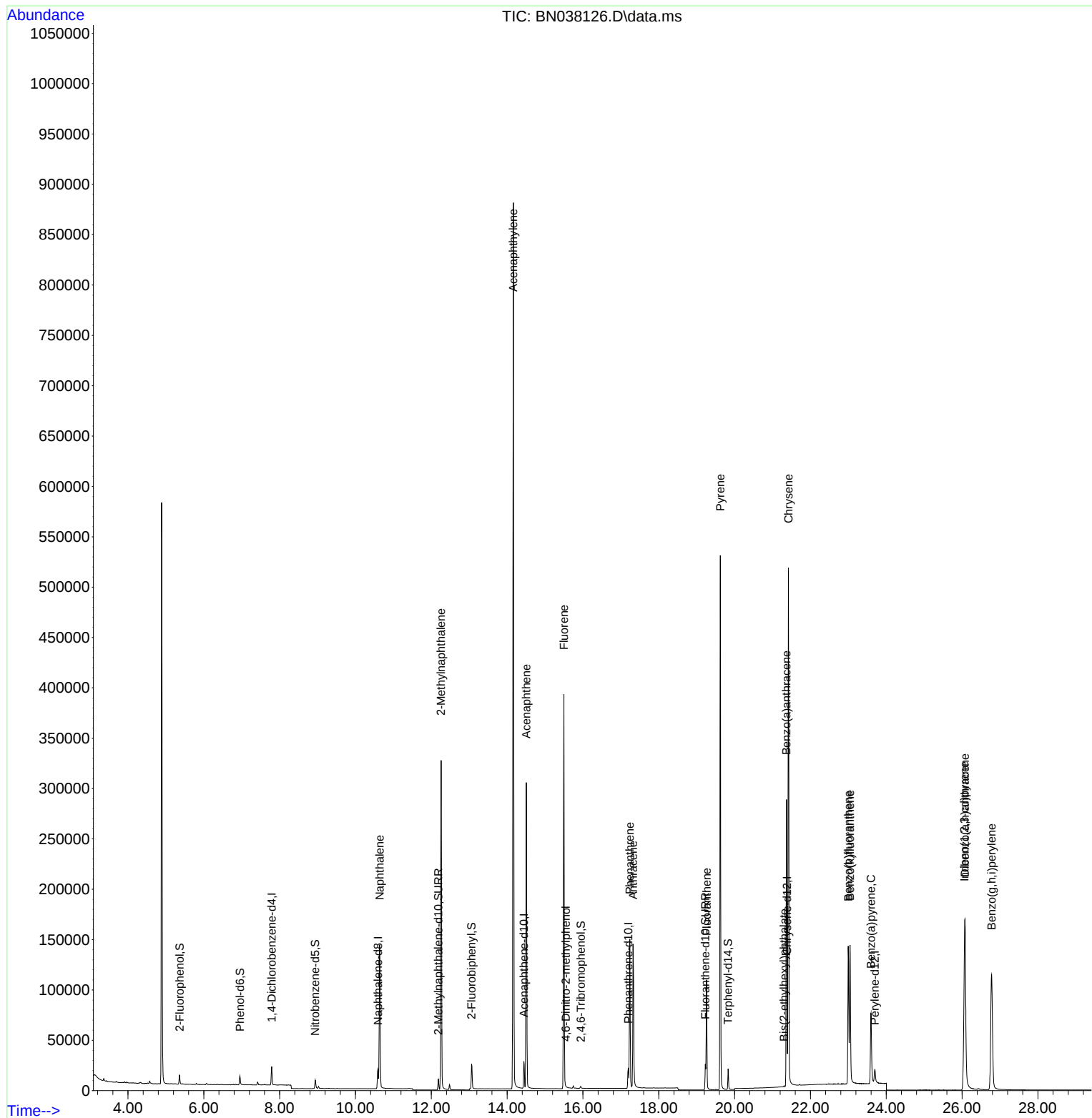
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.789	152	9481	0.400	ng	0.01
7) Naphthalene-d8	10.594	136	27884	0.400	ng	0.02
13) Acenaphthene-d10	14.441	164	16035	0.400	ng	0.01
19) Phenanthrene-d10	17.198	188	30308	0.400	ng	# 0.01
29) Chrysene-d12	21.384	240	26836	0.400	ng	0.00
35) Perylene-d12	23.701	264	20527	0.400	ng	0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.363	112	7441	0.333	ng	0.01
5) Phenol-d6	6.952	99	9069	0.333	ng	0.01
8) Nitrobenzene-d5	8.939	82	7852	0.349	ng	0.01
11) 2-Methylnaphthalene-d10	12.187	152	14909	0.374	ng	0.01
14) 2,4,6-Tribromophenol	15.945	330	1305	0.198	ng	0.01
15) 2-Fluorobiphenyl	13.062	172	24042	0.374	ng	0.01
27) Fluoranthene-d10	19.229	212	28454	0.372	ng	0.00
31) Terphenyl-d14	19.829	244	20906	0.359	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.637	128	189573	2.468	ng	99
12) 2-Methylnaphthalene	12.258	142	241440	4.714	ng	99
16) Acenaphthylene	14.163	152	895777	12.336	ng	100
17) Acenaphthene	14.505	154	146903	2.891	ng	98
18) Fluorene	15.499	166	236881	3.557	ng	98
20) 4,6-Dinitro-2-methylph...	15.547	198	5	0.184	ng	# 1
25) Phenanthrene	17.235	178	148698	1.545	ng	100
26) Anthracene	17.322	178	169797	2.017	ng	100
28) Fluoranthene	19.262	202	105890	0.985	ng	100
30) Pyrene	19.624	202	463023	3.822	ng	99
32) Benzo(a)anthracene	21.366	228	236306	2.468	ng	99
33) Chrysene	21.420	228	429386	4.133	ng	100
34) Bis(2-ethylhexyl)phtha...	21.304	149	1083	0.021	ng	# 97
36) Indeno(1,2,3-cd)pyrene	26.066	276	144095	1.709	ng	# 88
37) Benzo(b)fluoranthene	22.999	252	183673	2.093	ng	# 91
38) Benzo(k)fluoranthene	23.046	252	190347	2.155	ng	# 89
39) Benzo(a)pyrene	23.598	252	112636	1.603	ng	# 86
40) Dibenzo(a,h)anthracene	26.078	278	252970	3.898	ng	92
41) Benzo(g,h,i)perylene	26.779	276	259947	3.507	ng	98

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

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Instrument :
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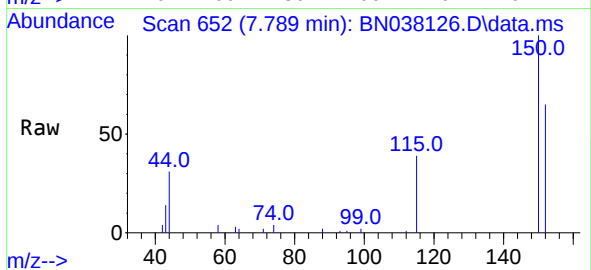
Quant Time: Oct 30 17:36:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration



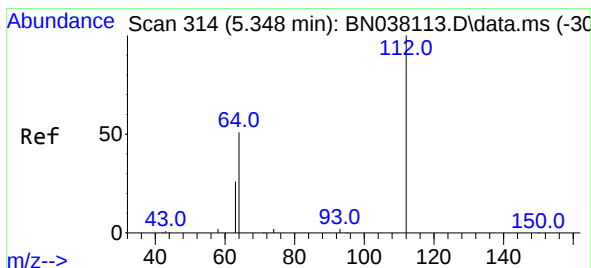
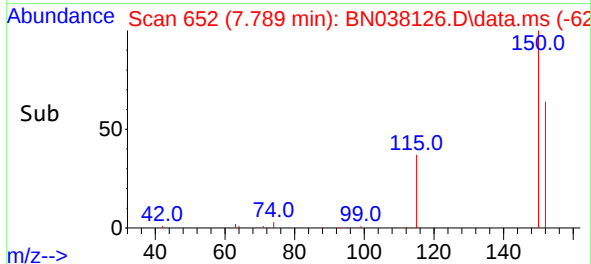
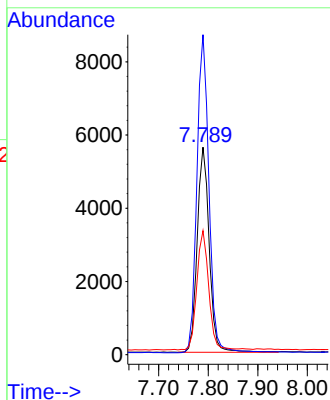


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.789 min Scan# 61
Delta R.T. 0.014 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

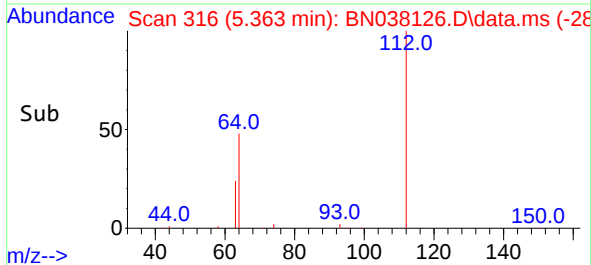
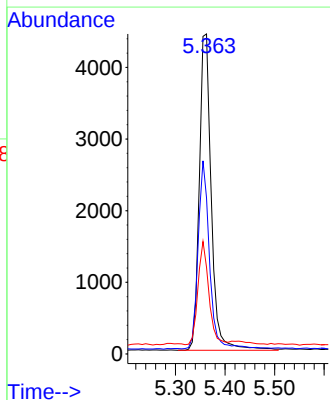
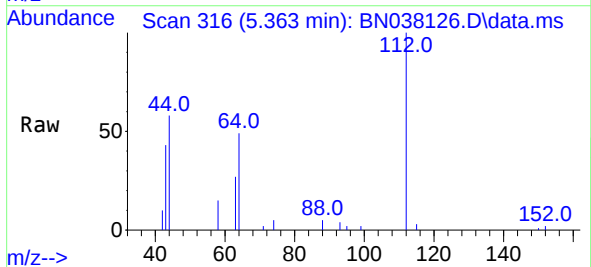


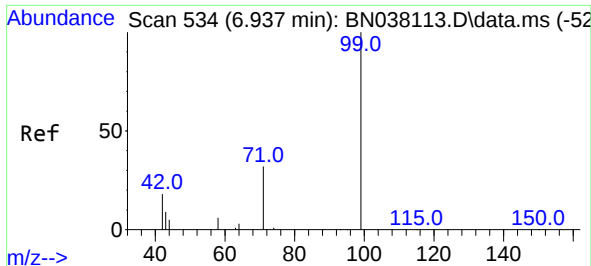
Tgt Ion:152 Resp: 9481
Ion Ratio Lower Upper
152 100
150 154.2 122.3 183.5
115 59.7 47.4 71.0



#4
2-Fluorophenol
Concen: 0.333 ng
RT: 5.363 min Scan# 316
Delta R.T. 0.014 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:112 Resp: 7441
Ion Ratio Lower Upper
112 100
64 56.6 45.4 68.0
63 29.6 23.2 34.8



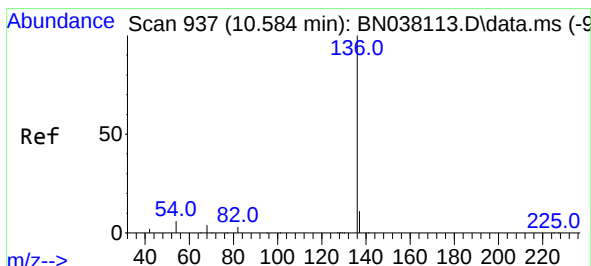
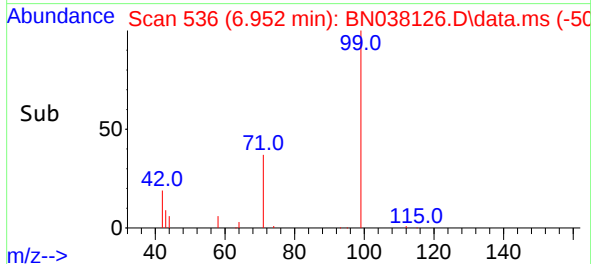
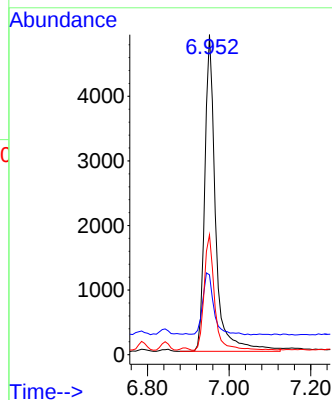
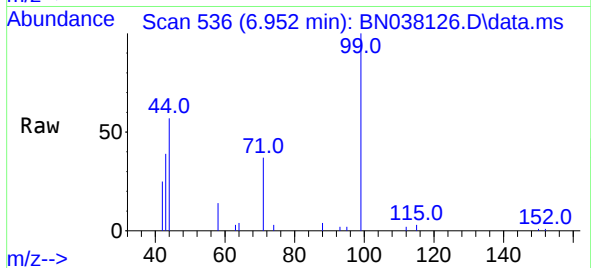


#5
Phenol-d6
Concen: 0.333 ng
RT: 6.952 min Scan# 51
Delta R.T. 0.014 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 99 Resp: 9069

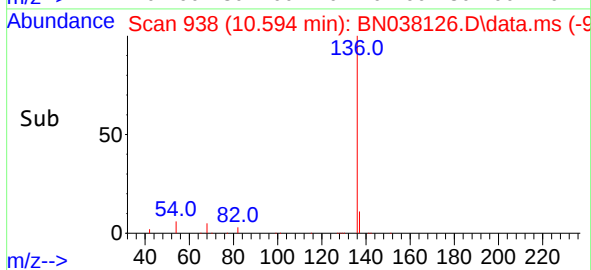
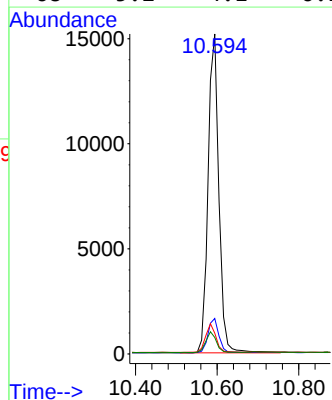
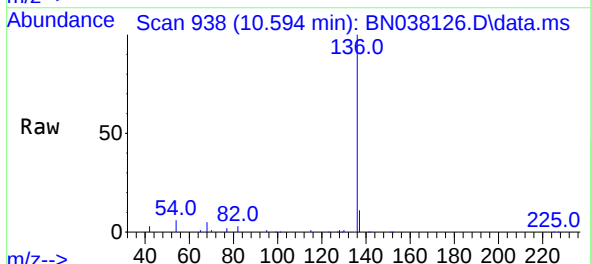
Ion	Ratio	Lower	Upper
99	100		
42	19.9	16.6	24.8
71	35.1	25.4	38.2

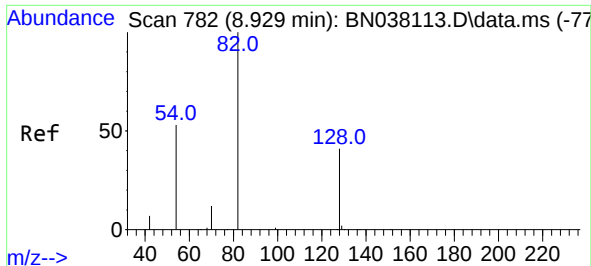


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.594 min Scan# 938
Delta R.T. 0.021 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion: 136 Resp: 27884

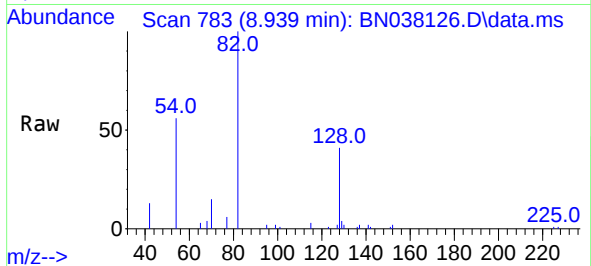
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	6.5	5.2	7.8
68	5.2	4.1	6.1



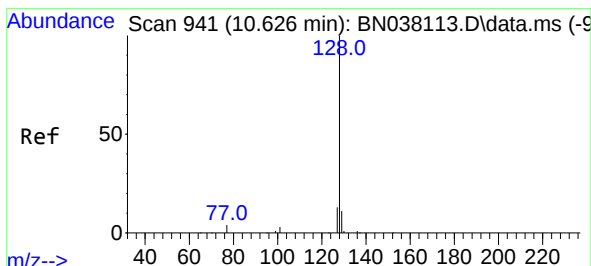
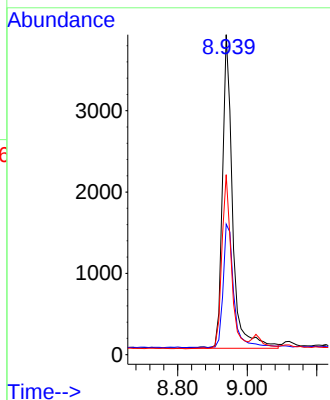
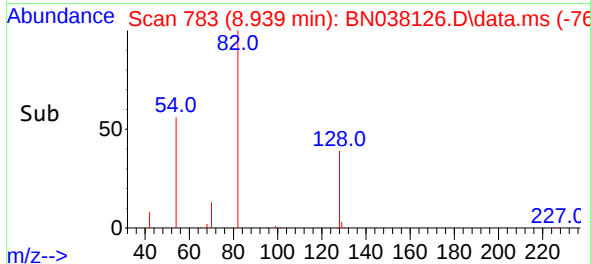


#8
Nitrobenzene-d5
Concen: 0.349 ng
RT: 8.939 min Scan# 782
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

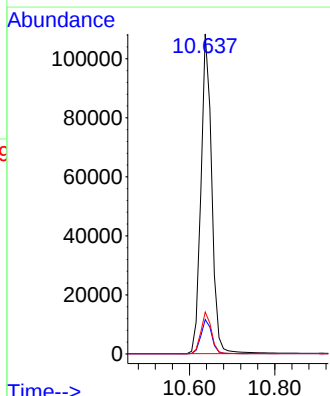
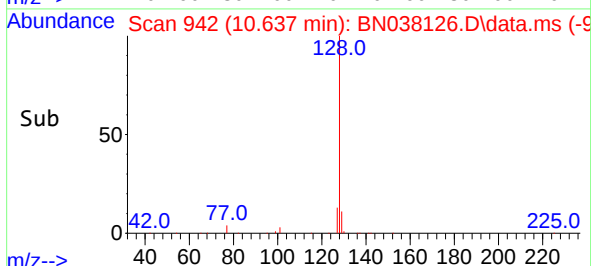
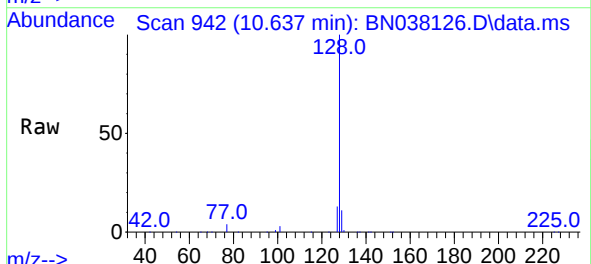


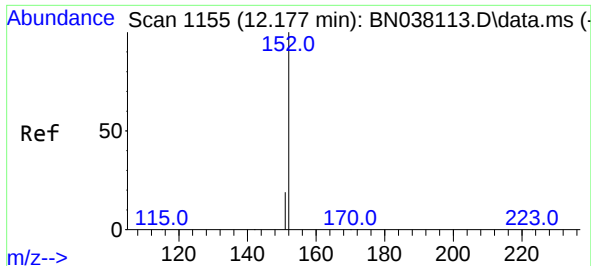
Tgt Ion: 82 Resp: 7852
Ion Ratio Lower Upper
82 100
128 40.8 34.1 51.1
54 56.2 43.5 65.3



#9
Naphthalene
Concen: 2.468 ng
RT: 10.637 min Scan# 942
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion: 128 Resp: 189573
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 13.1 10.5 15.7

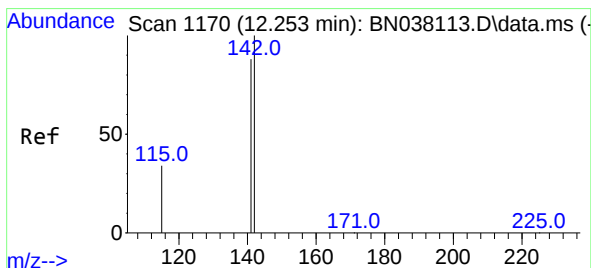
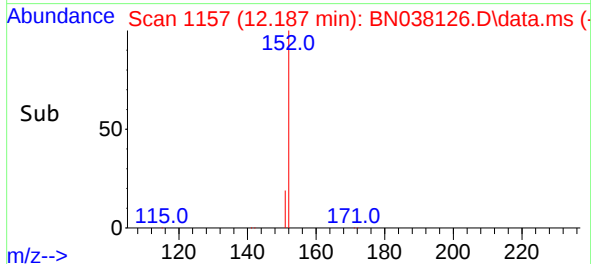
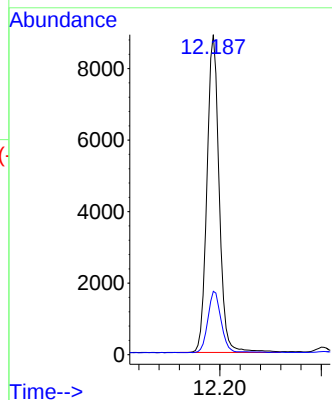
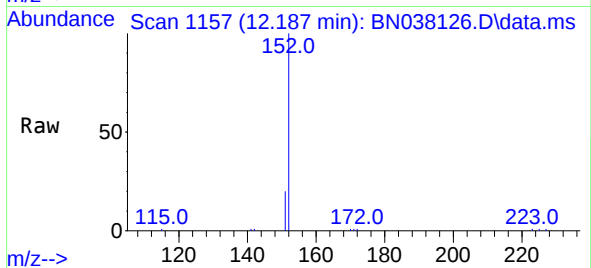




#11
2-Methylnaphthalene-d10
Concen: 0.374 ng
RT: 12.187 min Scan# 1155
Delta R.T. 0.010 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

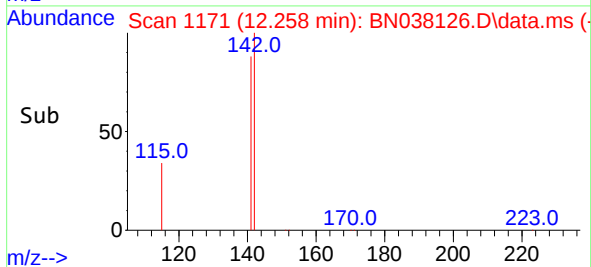
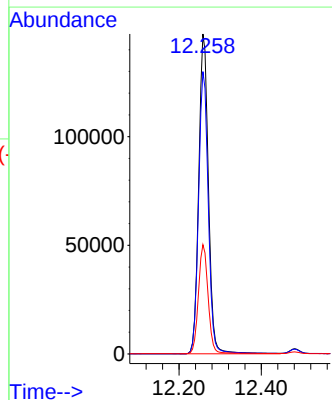
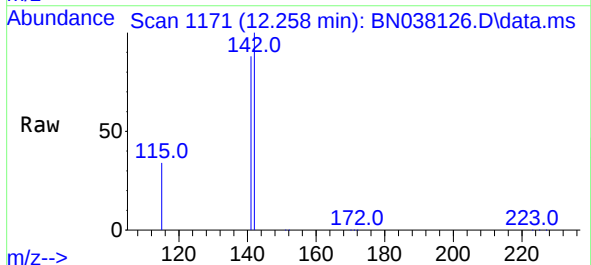
Instrument :
BNA_N
ClientSampleId :

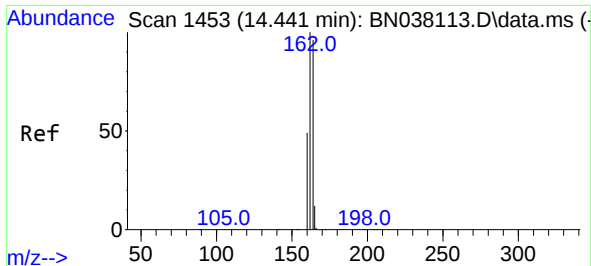
Tgt Ion:152 Resp: 14909
Ion Ratio Lower Upper
152 100
151 21.1 16.8 25.2



#12
2-Methylnaphthalene
Concen: 4.714 ng
RT: 12.258 min Scan# 1171
Delta R.T. 0.010 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

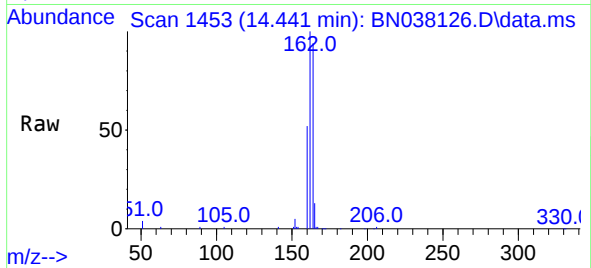
Tgt Ion:142 Resp: 241440
Ion Ratio Lower Upper
142 100
141 88.2 70.3 105.5
115 34.2 27.8 41.6



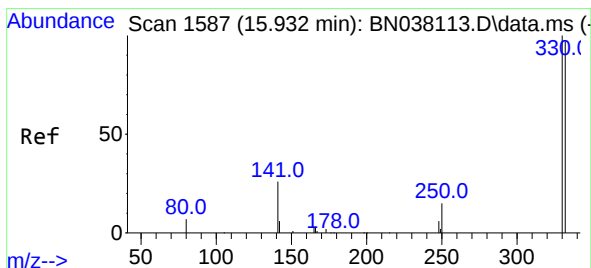
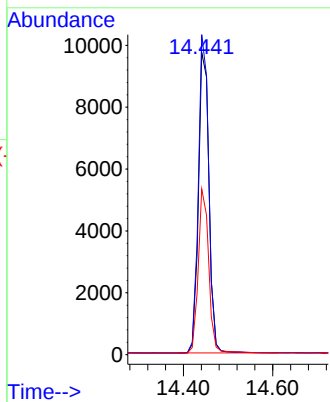
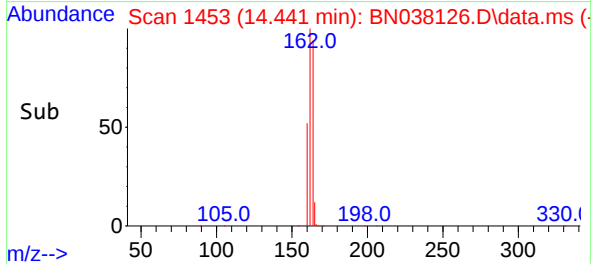


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.441 min Scan# 1453
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

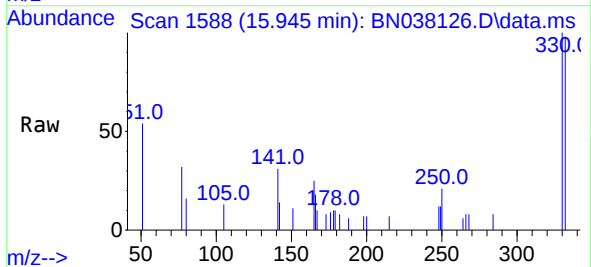
Instrument :
BNA_N
ClientSampleId :



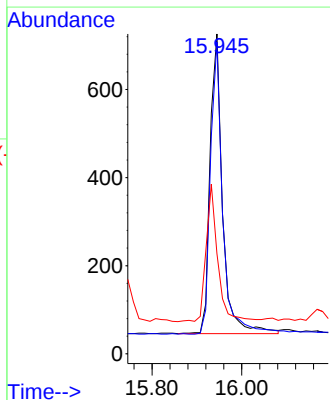
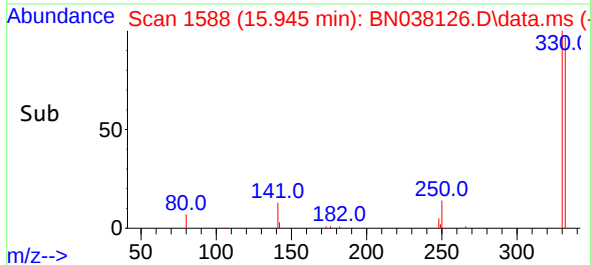
Tgt Ion:164 Resp: 16035
Ion Ratio Lower Upper
164 100
162 105.9 83.0 124.4
160 54.9 40.7 61.1

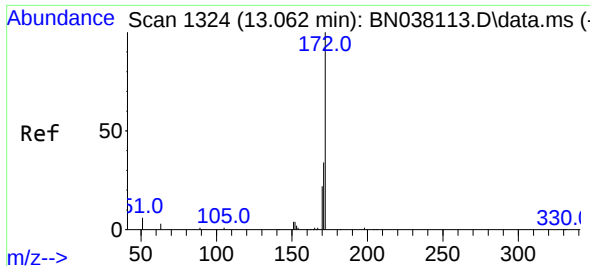


#14
2,4,6-Tribromophenol
Concen: 0.198 ng
RT: 15.945 min Scan# 1588
Delta R.T. 0.013 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12



Tgt Ion:330 Resp: 1305
Ion Ratio Lower Upper
330 100
332 96.0 76.6 114.8
141 43.0 34.1 51.1

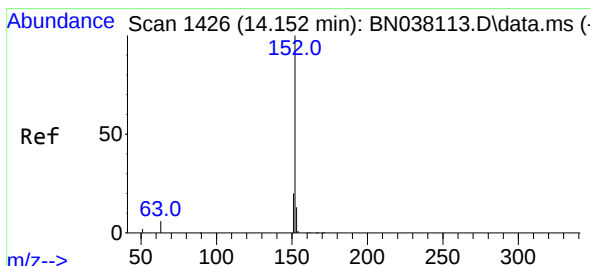
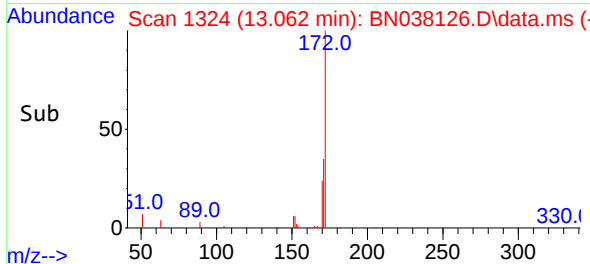
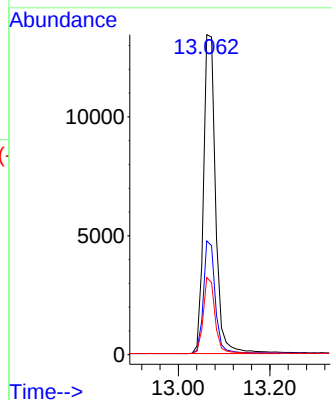
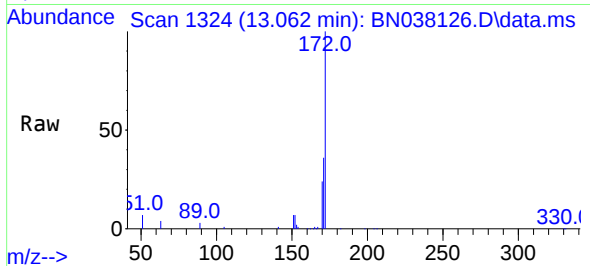




#15
2-Fluorobiphenyl
Concen: 0.374 ng
RT: 13.062 min Scan# 11
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

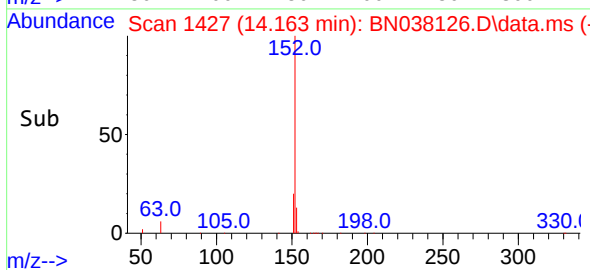
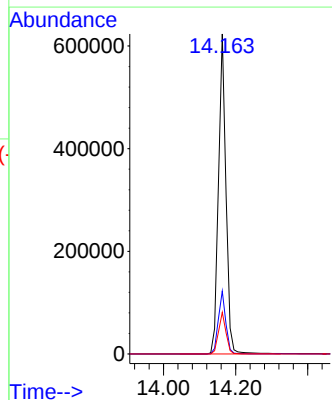
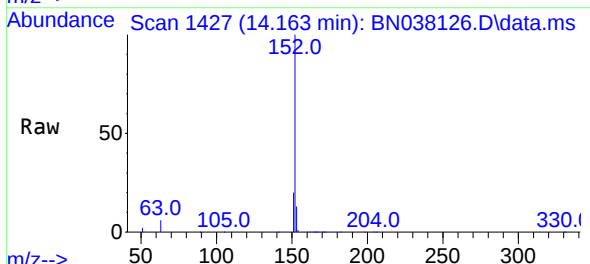
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BNA_N
ClientSampleId :

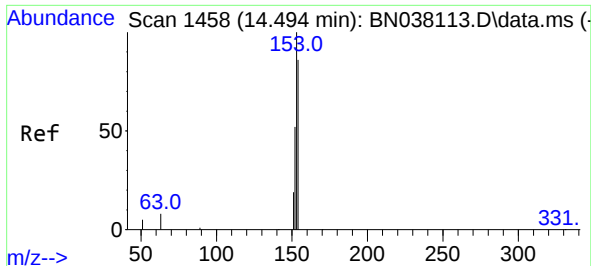
Tgt Ion:172 Resp: 24042
Ion Ratio Lower Upper
172 100
171 35.5 27.8 41.6
170 24.1 18.1 27.1



#16
Acenaphthylene
Concen: 12.336 ng
RT: 14.163 min Scan# 1427
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:152 Resp: 895777
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.0 10.2 15.2

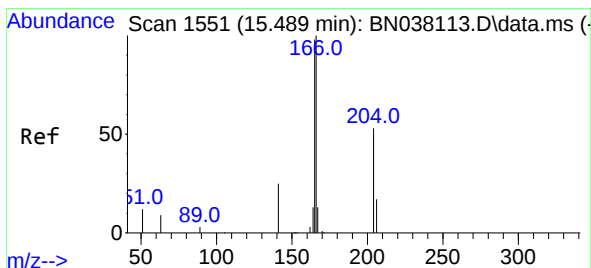
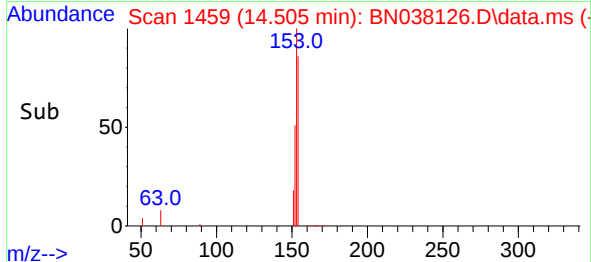
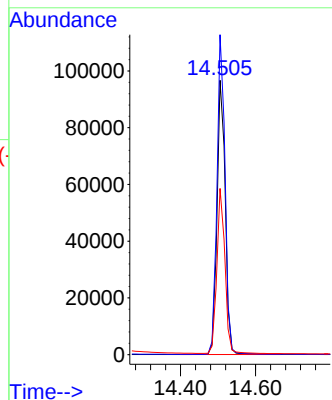
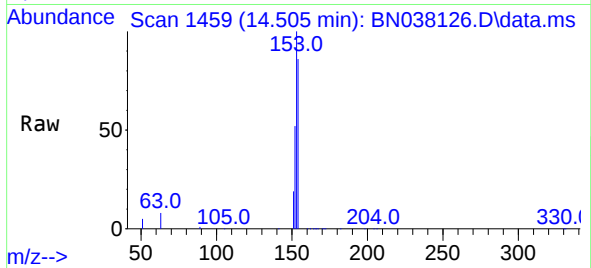




#17
Acenaphthene
Concen: 2.891 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

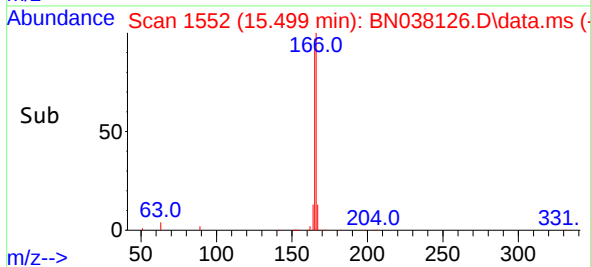
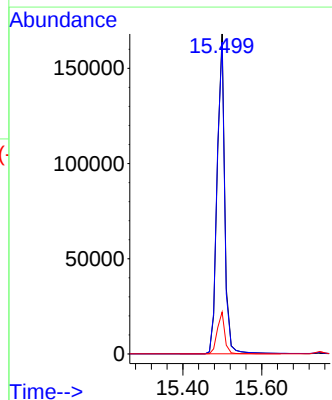
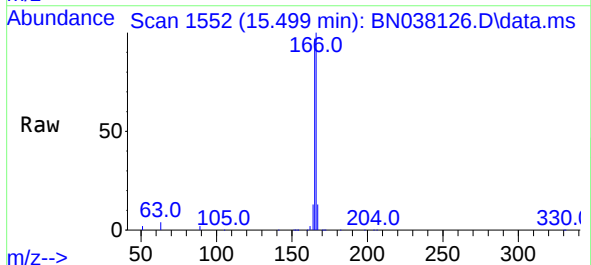
Instrument :
BNA_N
ClientSampleId :

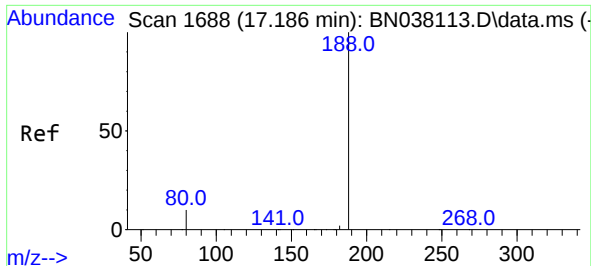
Tgt Ion:154 Resp: 146903
Ion Ratio Lower Upper
154 100
153 114.9 90.0 135.0
152 59.5 47.3 70.9



#18
Fluorene
Concen: 3.557 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:166 Resp: 236881
Ion Ratio Lower Upper
166 100
165 100.3 79.0 118.4
167 13.1 10.7 16.1

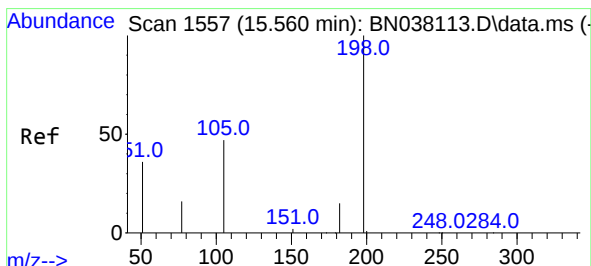
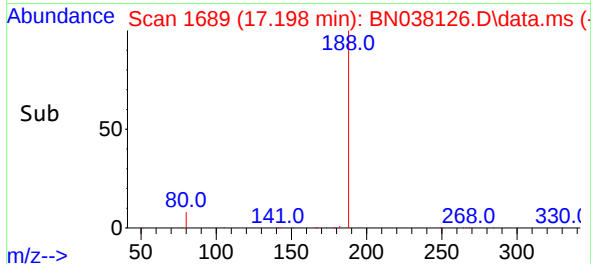
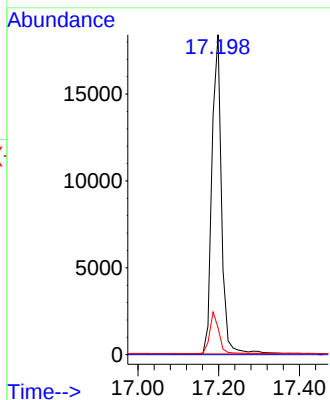
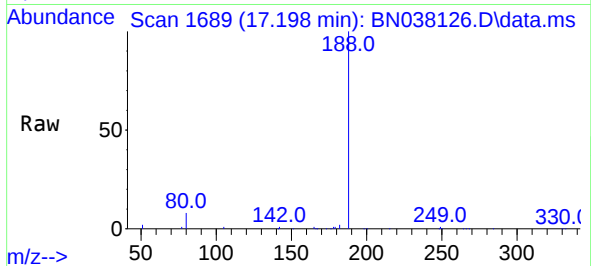




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1
Delta R.T. 0.012 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

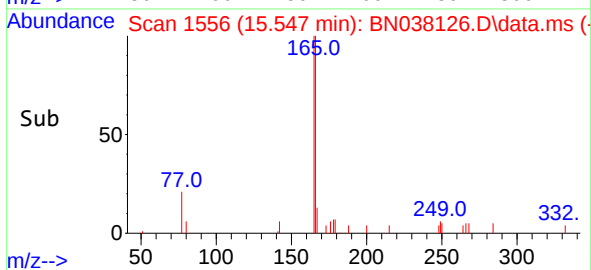
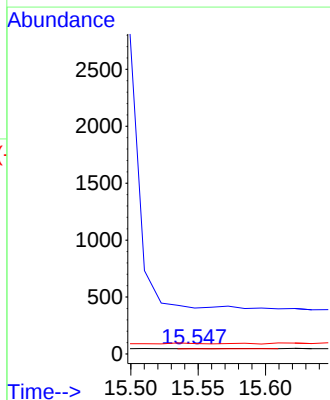
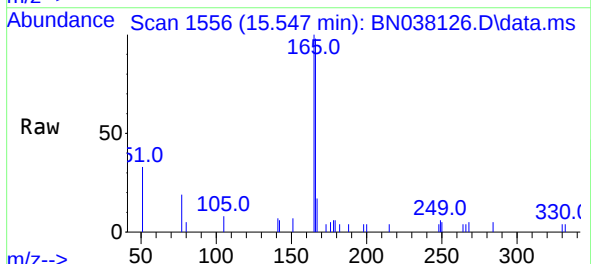
Instrument :
BNA_N
ClientSampleId :

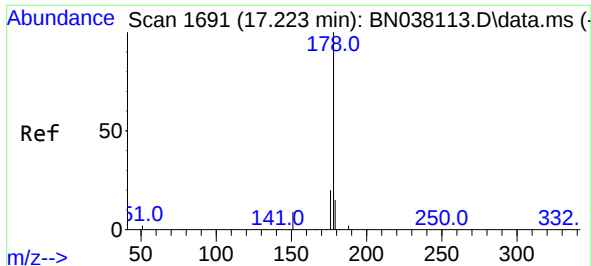
Tgt Ion:188 Resp: 30308
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 8.6 13.0#



#20
4,6-Dinitro-2-methylphenol
Concen: 0.184 ng
RT: 15.547 min Scan# 1556
Delta R.T. -0.013 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:198 Resp: 5
Ion Ratio Lower Upper
198 100
51 841.7 88.9 133.3#
105 191.7 49.2 73.8#

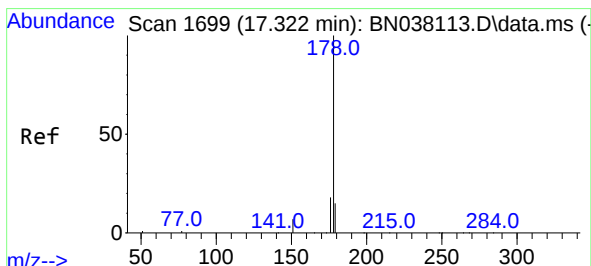
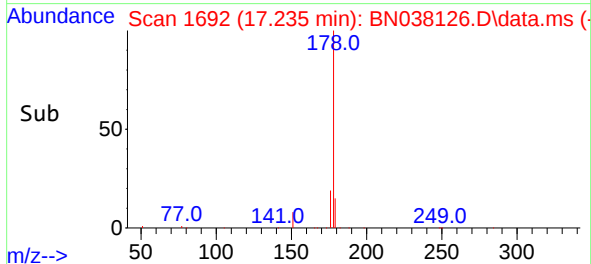
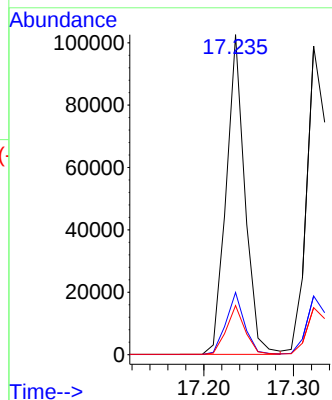
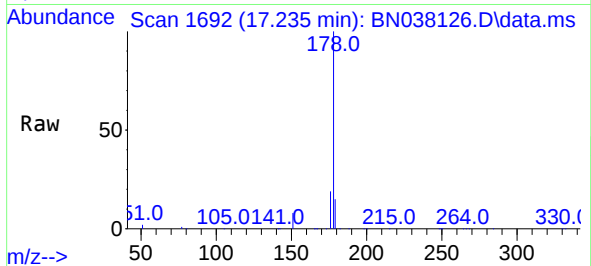




#25
Phenanthrene
Concen: 1.545 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

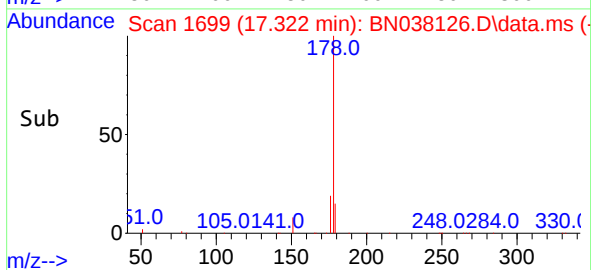
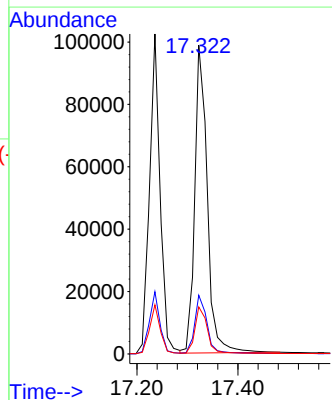
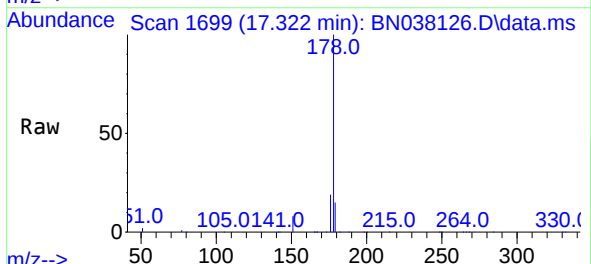
Instrument :
BNA_N
ClientSampleId :

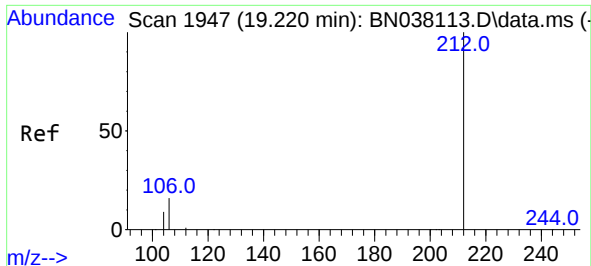
Tgt Ion:178 Resp: 148698
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.3 12.2 18.4



#26
Anthracene
Concen: 2.017 ng
RT: 17.322 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

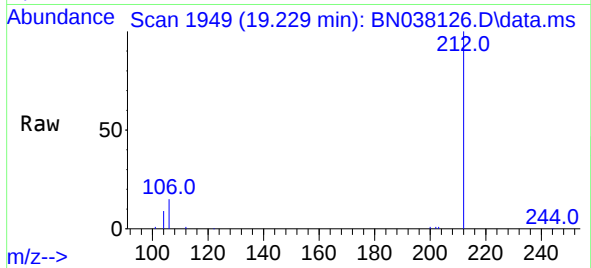
Tgt Ion:178 Resp: 169797
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.2 11.8 17.8



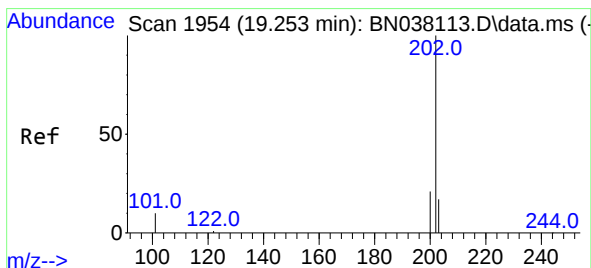
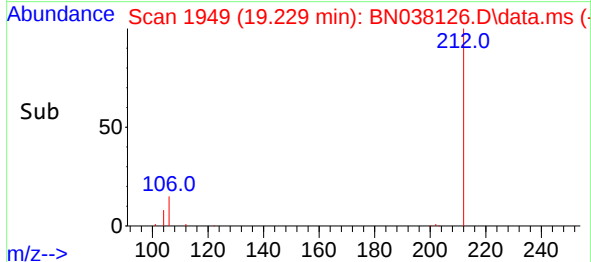
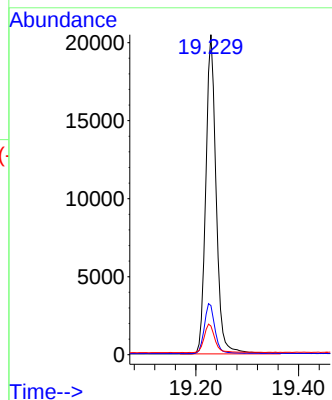


#27
Fluoranthene-d10
Concen: 0.372 ng
RT: 19.229 min Scan# 1949
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

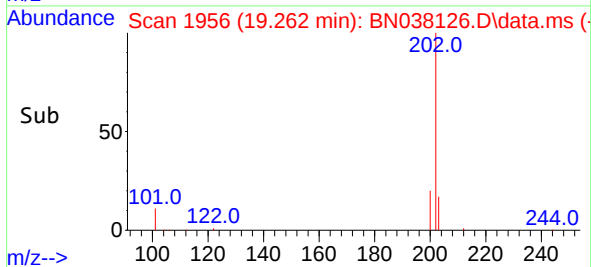
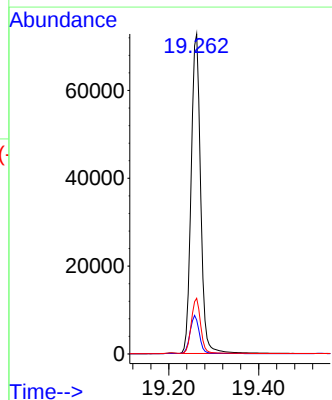
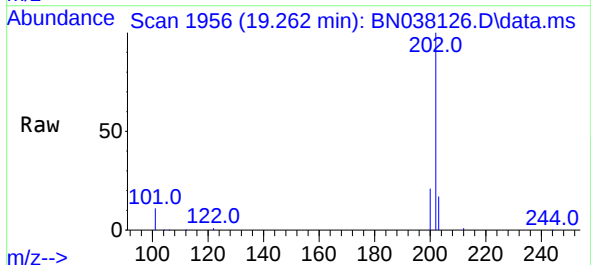


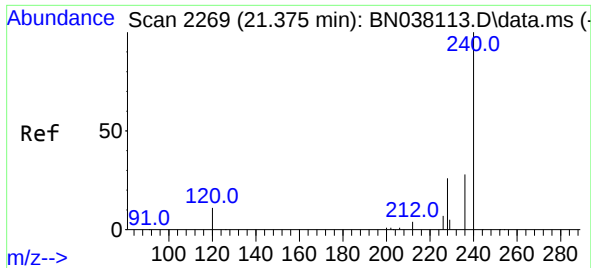
Tgt Ion:212 Resp: 28454
Ion Ratio Lower Upper
212 100
106 16.0 12.6 19.0
104 9.4 7.1 10.7



#28
Fluoranthene
Concen: 0.985 ng
RT: 19.262 min Scan# 1956
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

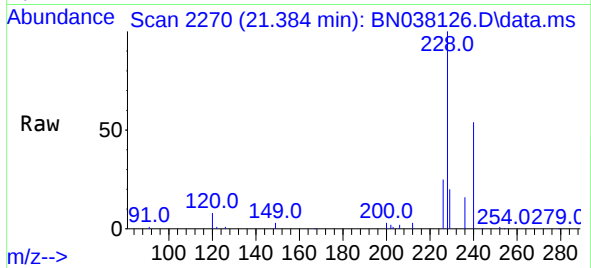
Tgt Ion:202 Resp: 105890
Ion Ratio Lower Upper
202 100
101 11.7 9.4 14.2
203 16.9 13.4 20.2



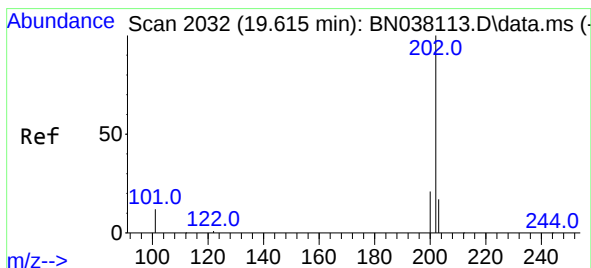
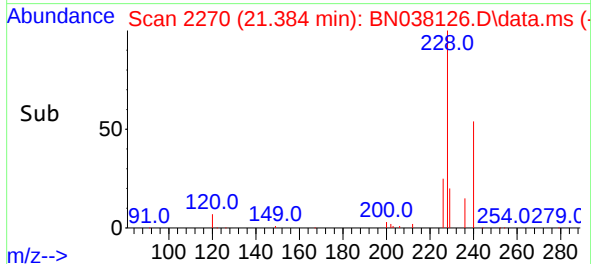
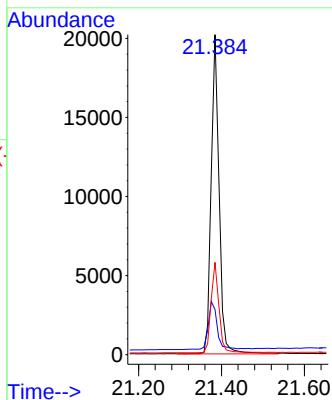


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.384 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

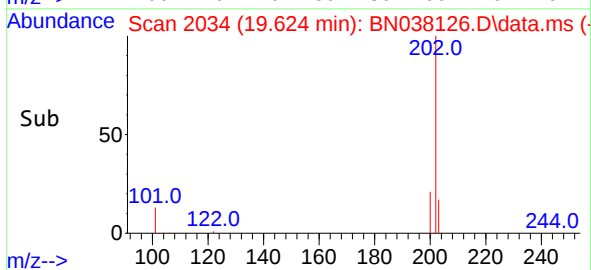
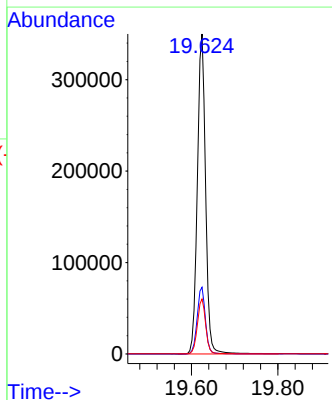
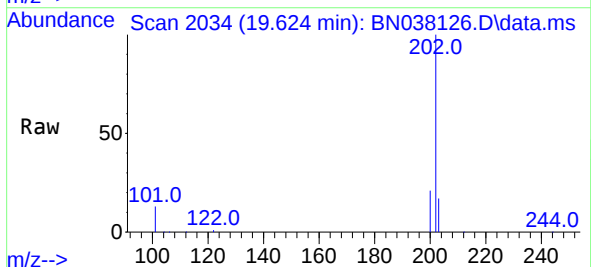


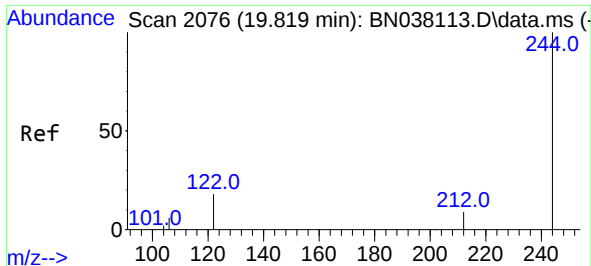
Tgt Ion:240 Resp: 26836
Ion Ratio Lower Upper
240 100
120 14.1 10.7 16.1
236 28.8 23.1 34.7



#30
Pyrene
Concen: 3.822 ng
RT: 19.624 min Scan# 2034
Delta R.T. 0.014 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

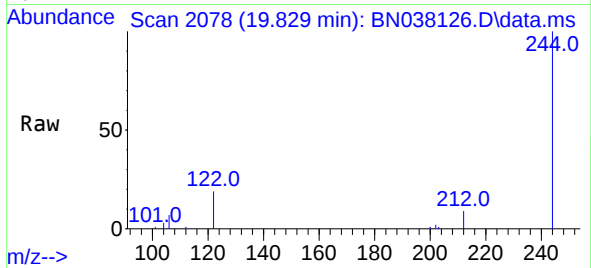
Tgt Ion:202 Resp: 463023
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.3 14.2 21.2



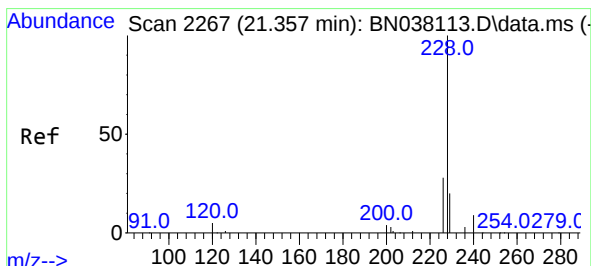
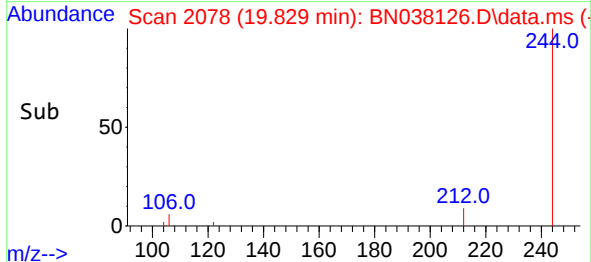
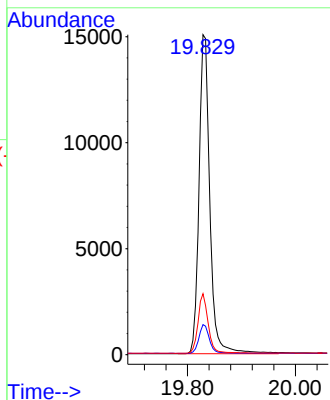


#31
Terphenyl-d14
Concen: 0.359 ng
RT: 19.829 min Scan# 2078
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

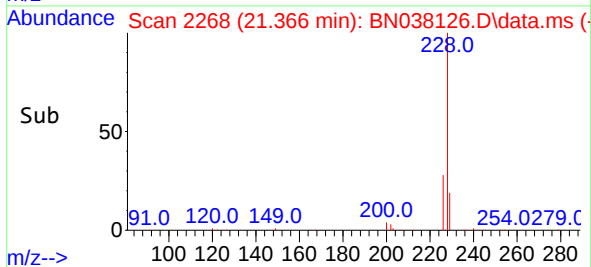
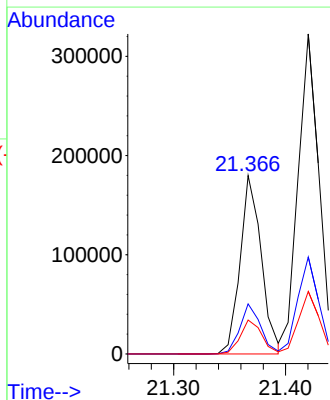
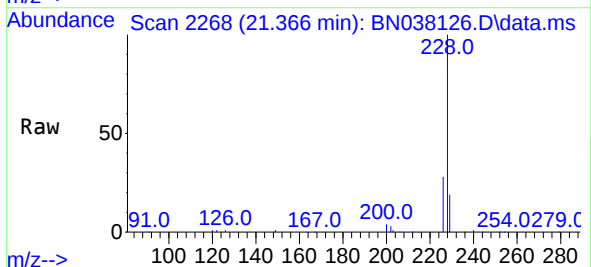


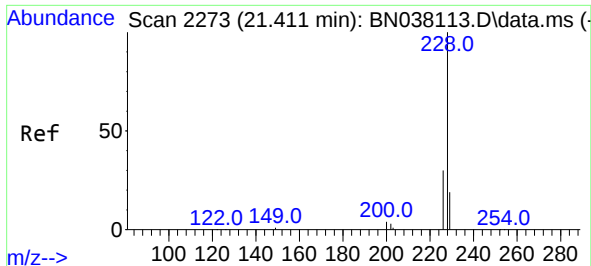
Tgt Ion:244 Resp: 20906
Ion Ratio Lower Upper
244 100
212 9.4 7.8 11.6
122 19.1 15.2 22.8



#32
Benzo(a)anthracene
Concen: 2.468 ng
RT: 21.366 min Scan# 2268
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

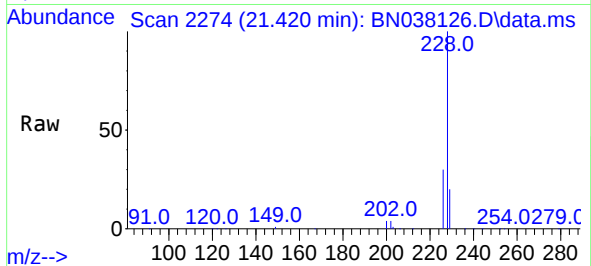
Tgt Ion:228 Resp: 236306
Ion Ratio Lower Upper
228 100
226 28.1 22.2 33.4
229 19.1 15.8 23.8



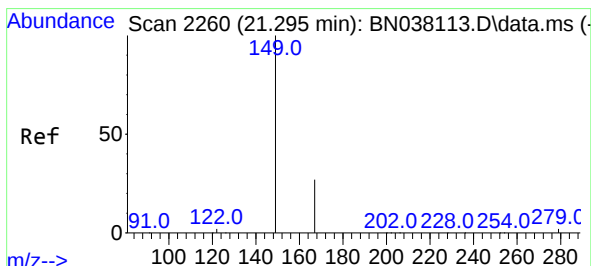
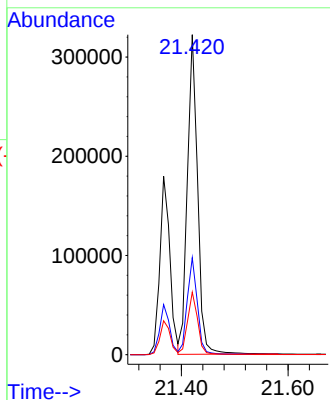


#33
Chrysene
Concen: 4.133 ng
RT: 21.420 min Scan# 21
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

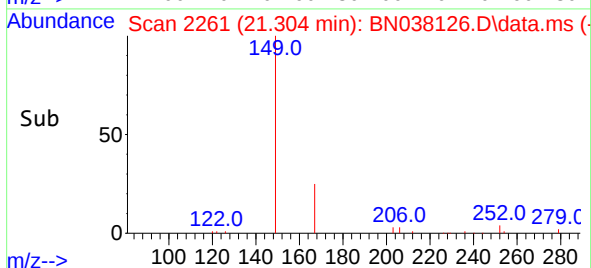
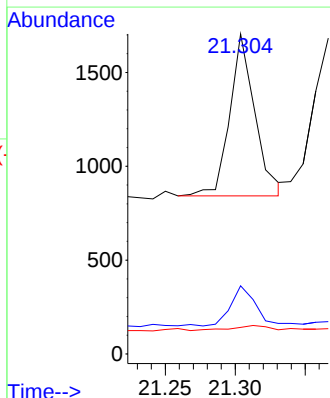
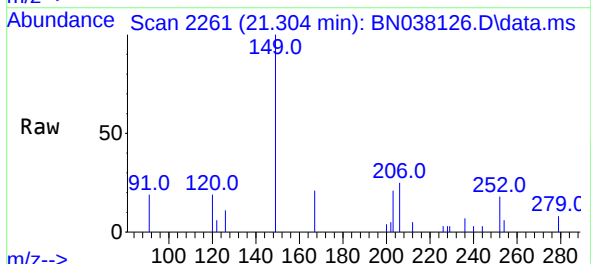


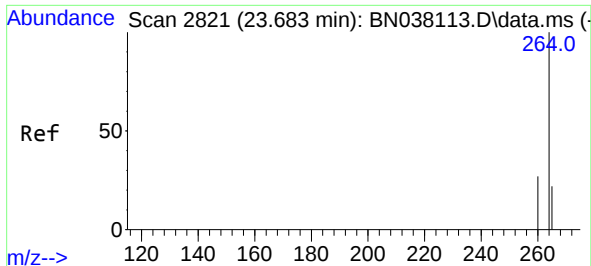
Tgt Ion:228 Resp: 429386
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 19.5 15.7 23.5



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.021 ng
RT: 21.304 min Scan# 2261
Delta R.T. 0.009 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

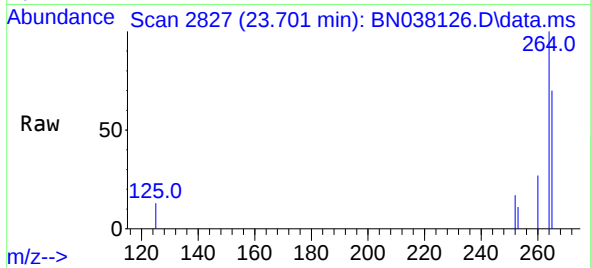
Tgt Ion:149 Resp: 1083
Ion Ratio Lower Upper
149 100
167 25.3 21.1 31.7
279 5.6 2.9 4.3#



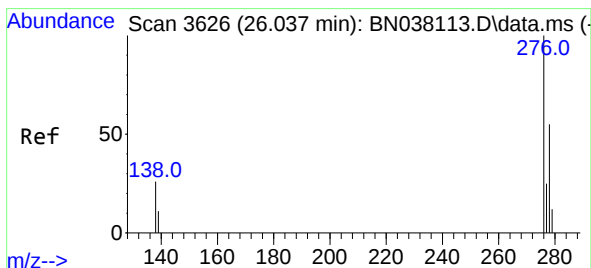
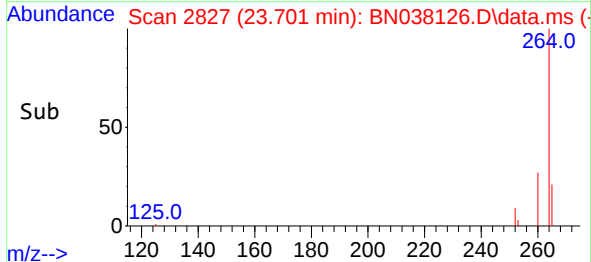
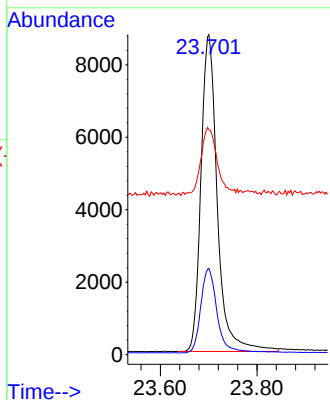


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.701 min Scan# 21
Delta R.T. 0.020 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

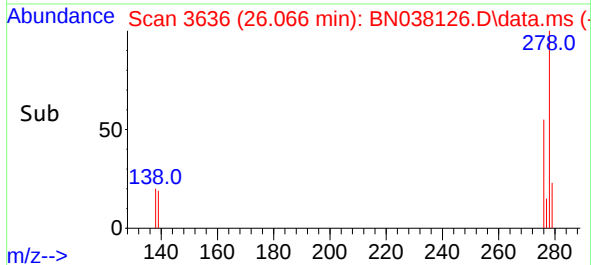
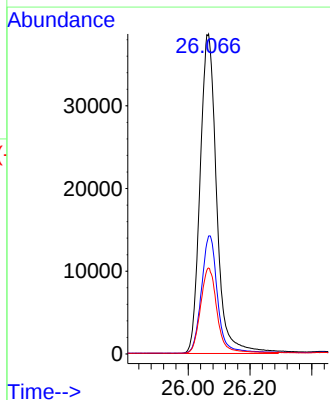
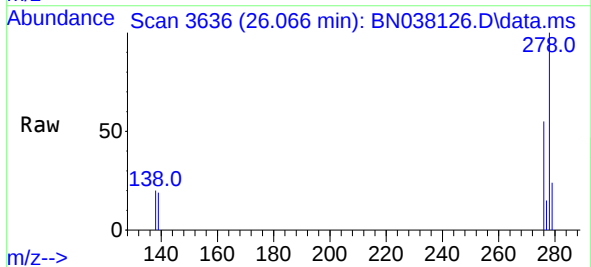


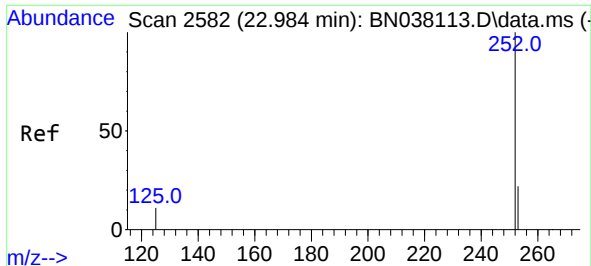
Tgt Ion:264 Resp: 20527
Ion Ratio Lower Upper
264 100
260 26.9 21.8 32.8
265 70.2 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 1.709 ng
RT: 26.066 min Scan# 3636
Delta R.T. 0.032 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

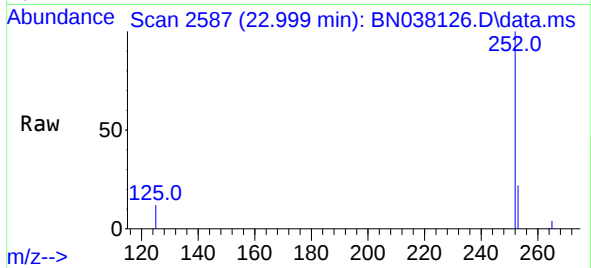
Tgt Ion:276 Resp: 144095
Ion Ratio Lower Upper
276 100
138 35.7 21.4 32.0#
277 26.5 19.2 28.8



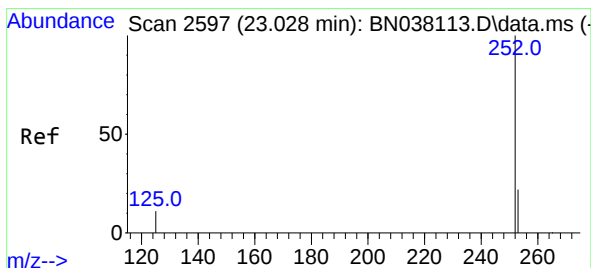
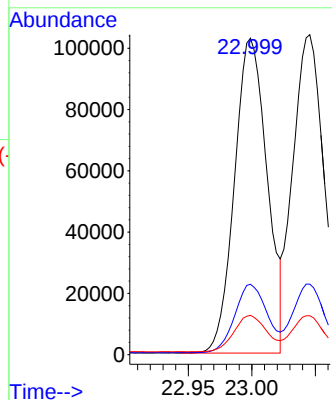


#37
Benzo(b)fluoranthene
Concen: 2.093 ng
RT: 22.999 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :

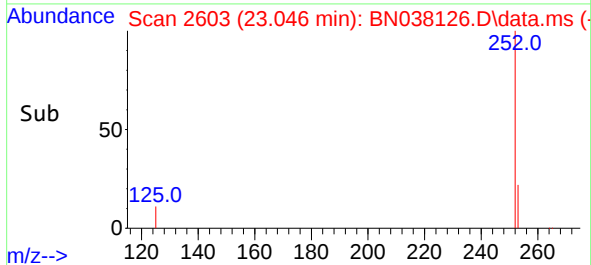
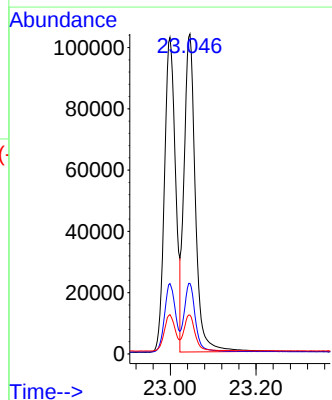
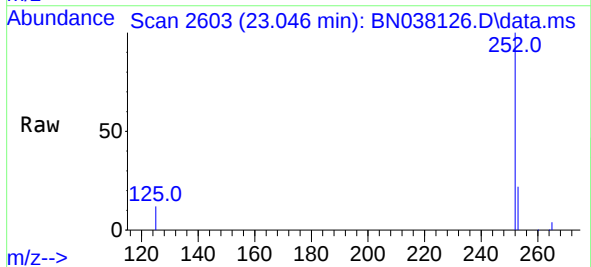


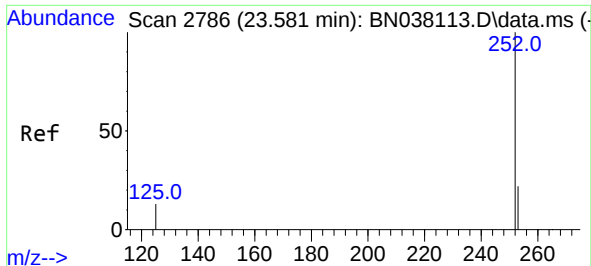
Tgt Ion:252 Resp: 183673
Ion Ratio Lower Upper
252 100
253 22.3 20.9 31.3
125 12.4 14.1 21.1#



#38
Benzo(k)fluoranthene
Concen: 2.155 ng
RT: 23.046 min Scan# 2603
Delta R.T. 0.018 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Tgt Ion:252 Resp: 190347
Ion Ratio Lower Upper
252 100
253 22.1 21.2 31.8
125 12.2 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 1.603 ng

RT: 23.598 min Scan# 21

Delta R.T. 0.020 min

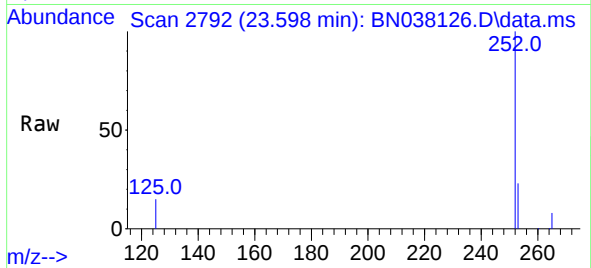
Lab File: BN038126.D

Acq: 30 Oct 2025 17:12

Instrument :

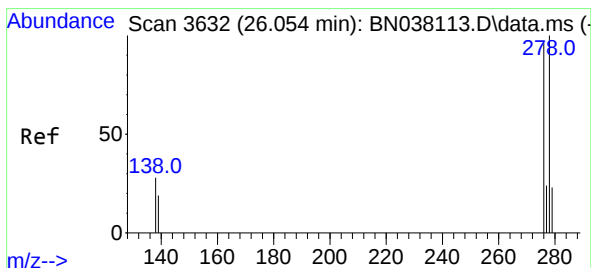
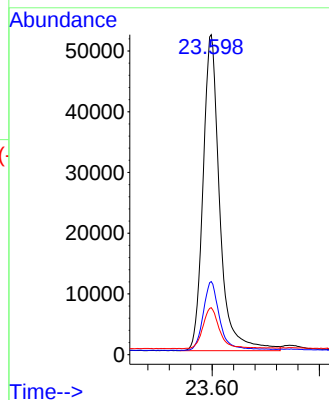
BNA_N

ClientSampleId :



Tgt Ion:252 Resp: 112636

Ion	Ratio	Lower	Upper
252	100		
253	22.8	23.1	34.7#
125	14.7	18.6	28.0#



#40

Dibenzo(a,h)anthracene

Concen: 3.898 ng

RT: 26.078 min Scan# 3640

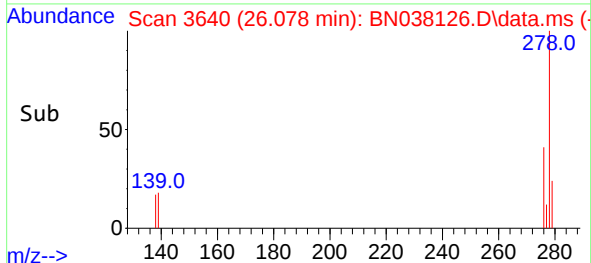
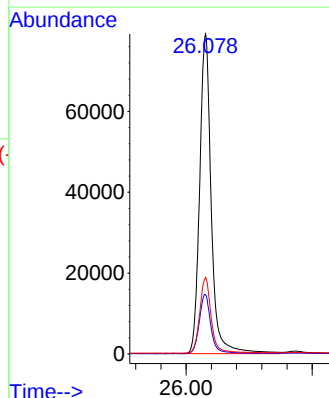
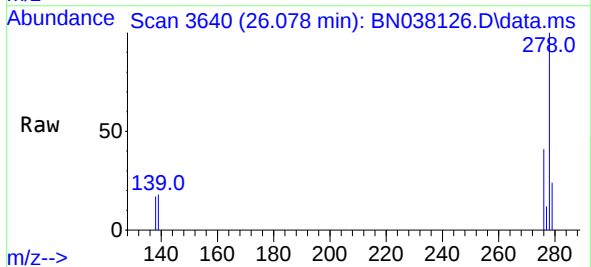
Delta R.T. 0.029 min

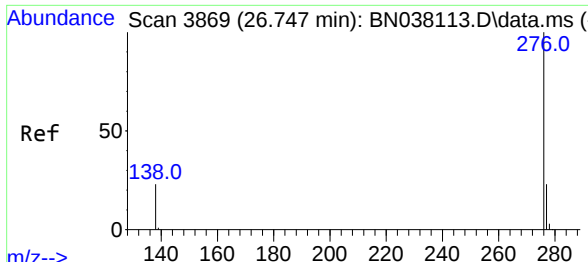
Lab File: BN038126.D

Acq: 30 Oct 2025 17:12

Tgt Ion:278 Resp: 252970

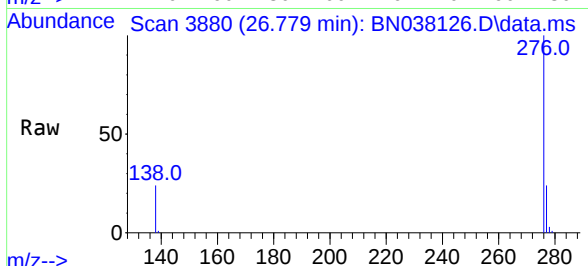
Ion	Ratio	Lower	Upper
278	100		
139	18.3	17.6	26.4
279	24.0	22.6	33.8





#41
Benzo(g,h,i)perylene
Concen: 3.507 ng
RT: 26.779 min Scan# 3880
Delta R.T. 0.029 min
Lab File: BN038126.D
Acq: 30 Oct 2025 17:12

Instrument :
BNA_N
ClientSampleId :



Tgt Ion:276 Resp: 259947
Ion Ratio Lower Upper
276 100
277 23.7 19.7 29.5
138 24.1 20.2 30.4

