

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN103025\
 Data File : BN038124.D
 Acq On : 30 Oct 2025 13:12
 Operator : RC/JU
 Sample : Q3478-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 38072-061125

Quant Time: Oct 30 13:40:34 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 29 13:09:46 2025
 Response via : Initial Calibration

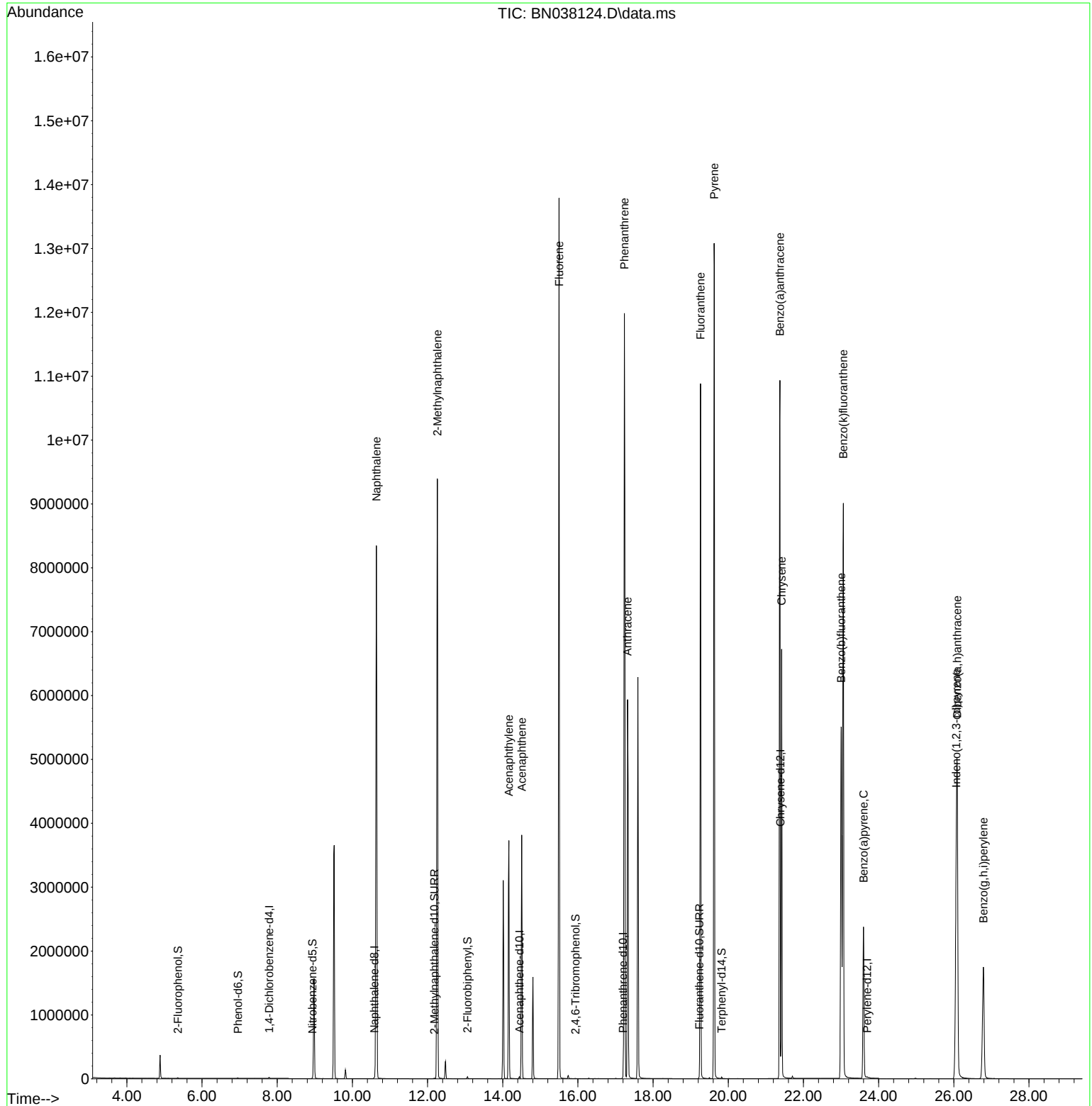
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	8933	0.400	ng	0.00
7) Naphthalene-d8	10.584	136	29561	0.400	ng	# 0.01
13) Acenaphthene-d10	14.441	164	16222	0.400	ng	0.01
19) Phenanthrene-d10	17.198	188	31316	0.400	ng	# 0.01
29) Chrysene-d12	21.384	240	25983	0.400	ng	0.00
35) Perylene-d12	23.695	264	18372	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.356	112	7484	0.356	ng	0.00
5) Phenol-d6	6.952	99	8834	0.345	ng	0.01
8) Nitrobenzene-d5	8.939	82	9088	0.381	ng	0.01
11) 2-Methylnaphthalene-d10	12.182	152	15898	0.377	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	1740	0.260	ng	0.00
15) 2-Fluorobiphenyl	13.062	172	27536	0.424	ng	0.01
27) Fluoranthene-d10	19.229	212	29473	0.373	ng	0.00
31) Terphenyl-d14	19.824	244	22949	0.407	ng	0.00
Target Compounds						
						Qvalue
9) Naphthalene	10.637	128	11436494	140.451	ng	98
12) 2-Methylnaphthalene	12.263	142	7444810	137.119	ng	97
16) Acenaphthylene	14.163	152	4144339	56.413	ng	99
17) Acenaphthene	14.505	154	1827315	35.552	ng	98
18) Fluorene	15.499	166	8992260	133.488	ng	95
25) Phenanthrene	17.235	178	13736617	138.168	ng	97
26) Anthracene	17.322	178	6492627	74.652	ng	98
28) Fluoranthene	19.262	202	10188126	91.709	ng	96
30) Pyrene	19.624	202	12711271	108.376	ng	96
32) Benzo(a)anthracene	21.375	228	10075000	108.683	ng	95
33) Chrysene	21.420	228	5063658	50.335	ng	98
36) Indeno(1,2,3-cd)pyrene	26.066	276	5203268	68.933	ng	93
37) Benzo(b)fluoranthene	23.005	252	8377644	106.654	ng	# 92
38) Benzo(k)fluoranthene	23.060	252	12225787	154.635	ng	# 92
39) Benzo(a)pyrene	23.598	252	3505338	55.750	ng	# 83
40) Dibenzo(a,h)anthracene	26.089	278	6843074	117.822	ng	93
41) Benzo(g,h,i)perylene	26.788	276	3692408	55.663	ng	97

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

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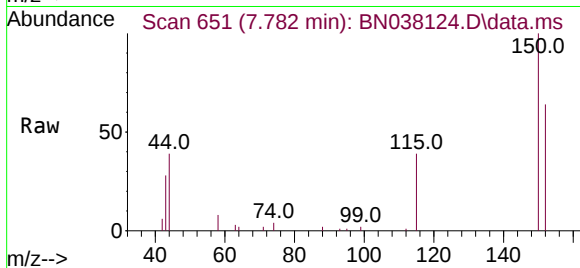
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
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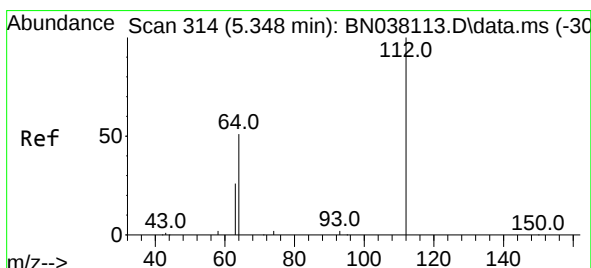
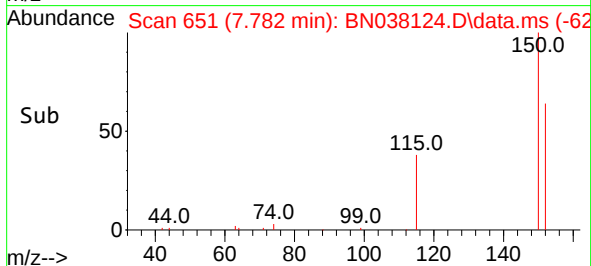
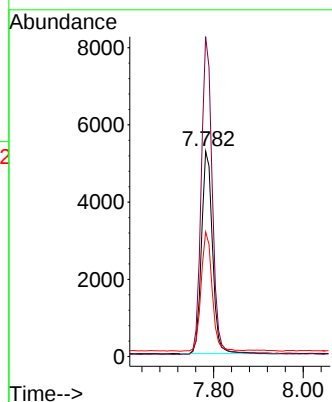
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 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.782 min Scan# 61
 Delta R.T. 0.007 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

Instrument :
 BNA_N
 ClientSampleId :
 38072-061125



Tgt Ion:152 Resp: 8933

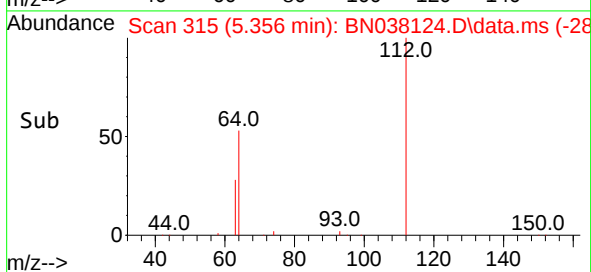
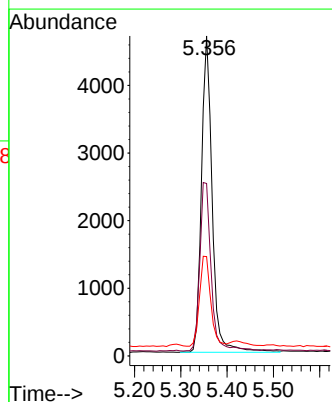
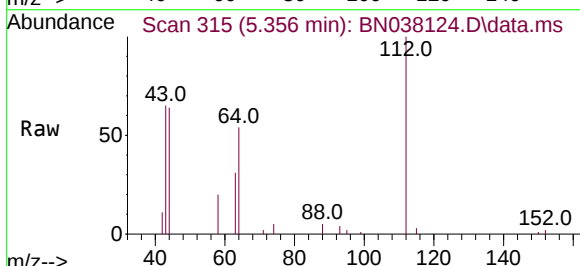
Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.3	183.5
115	60.7	47.4	71.0

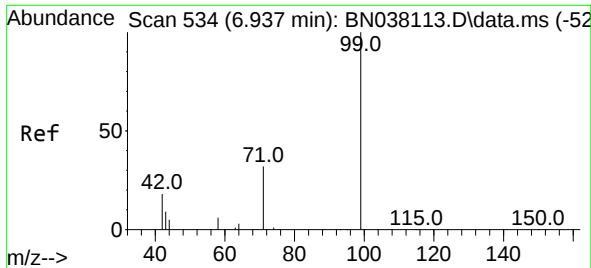


#4
 2-Fluorophenol
 Concen: 0.356 ng
 RT: 5.356 min Scan# 315
 Delta R.T. 0.007 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

Tgt Ion:112 Resp: 7484

Ion	Ratio	Lower	Upper
112	100		
64	56.5	45.4	68.0
63	29.6	23.2	34.8

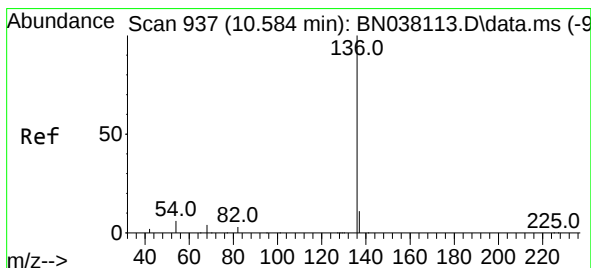
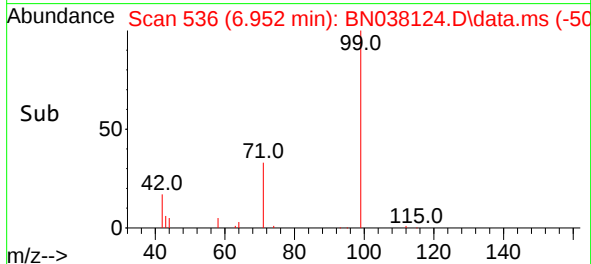
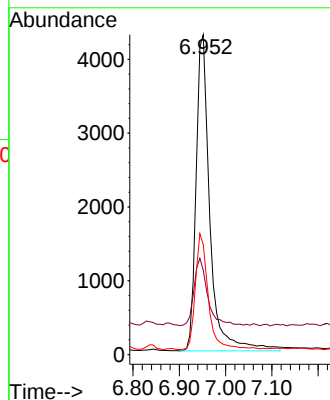
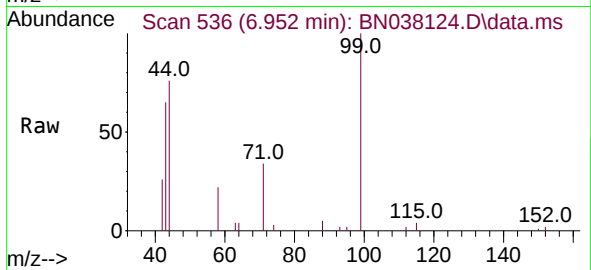




#5
Phenol-d6
Concen: 0.345 ng
RT: 6.952 min Scan# 534
Delta R.T. 0.014 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

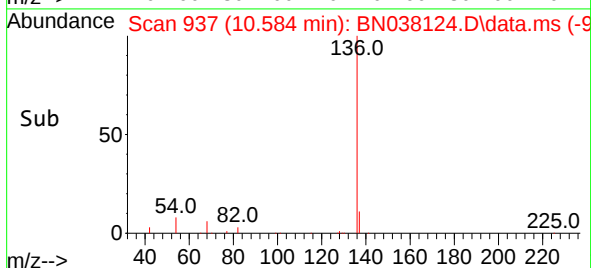
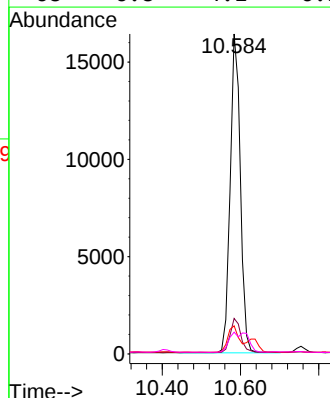
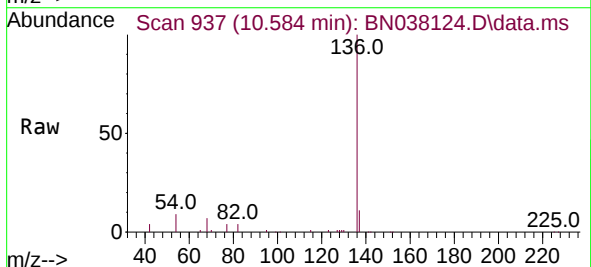
Instrument :
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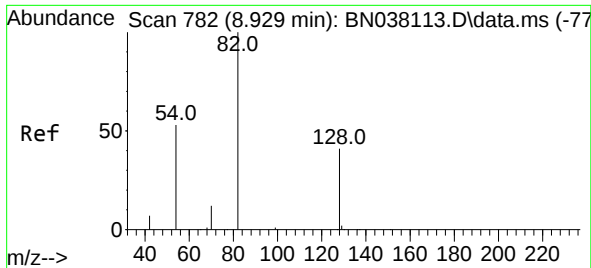
Tgt Ion: 99 Resp: 8834
Ion Ratio Lower Upper
99 100
42 20.8 16.6 24.8
71 34.3 25.4 38.2



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.584 min Scan# 937
Delta R.T. 0.011 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:136 Resp: 29561
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.8 5.2 7.8#
68 6.8 4.1 6.1#

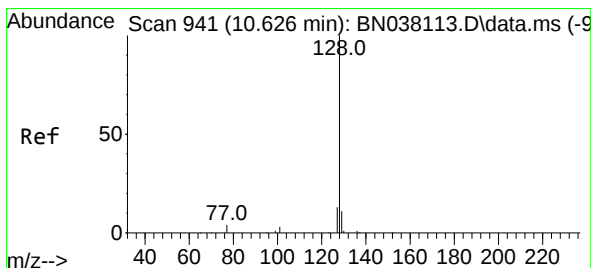
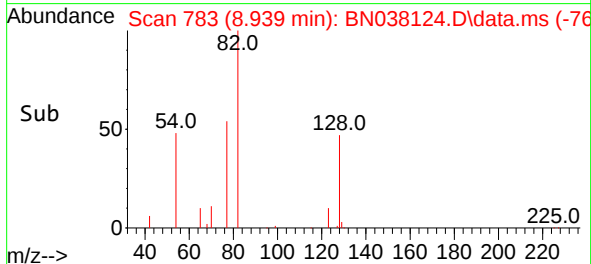
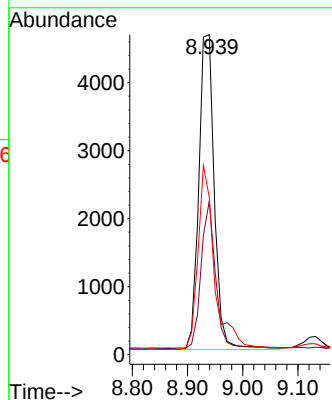
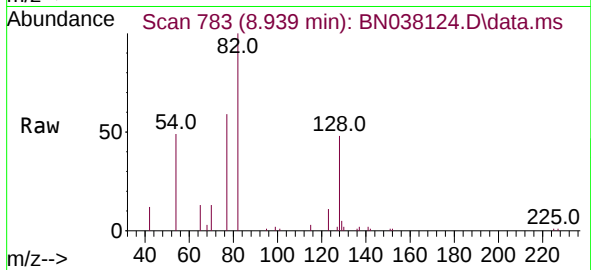




#8
 Nitrobenzene-d5
 Concen: 0.381 ng
 RT: 8.939 min Scan# 782
 Delta R.T. 0.011 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

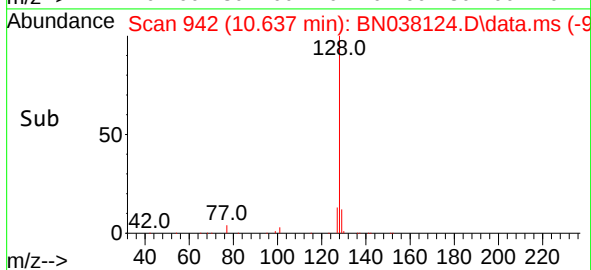
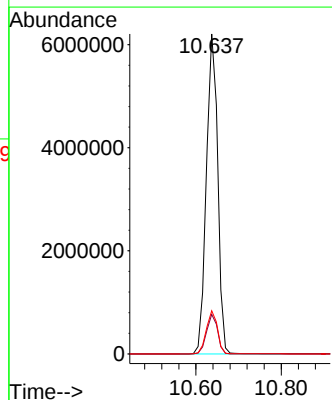
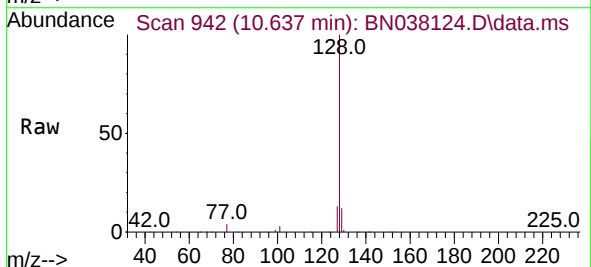
Instrument :
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 38072-061125

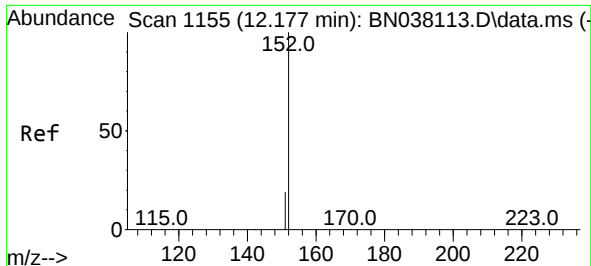
Tgt Ion: 82 Resp: 9088
 Ion Ratio Lower Upper
 82 100
 128 48.0 34.1 51.1
 54 49.0 43.5 65.3



#9
 Naphthalene
 Concen: 140.451 ng
 RT: 10.637 min Scan# 942
 Delta R.T. 0.011 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

Tgt Ion: 128 Resp: 11436494
 Ion Ratio Lower Upper
 128 100
 129 12.3 9.1 13.7
 127 13.5 10.5 15.7

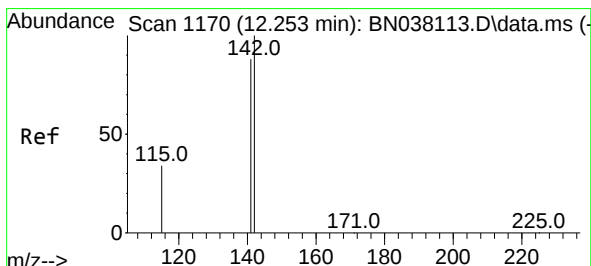
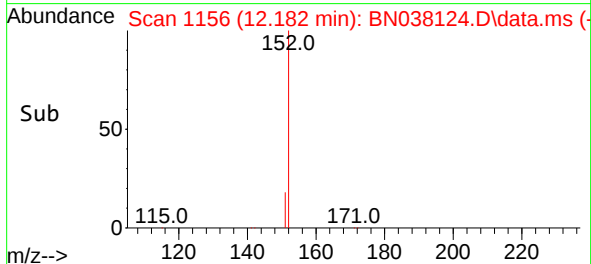
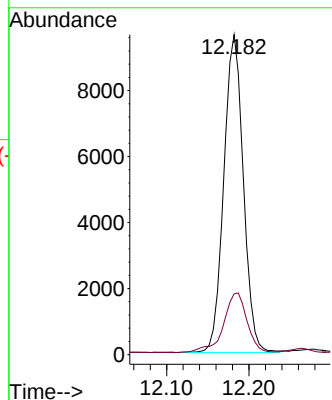
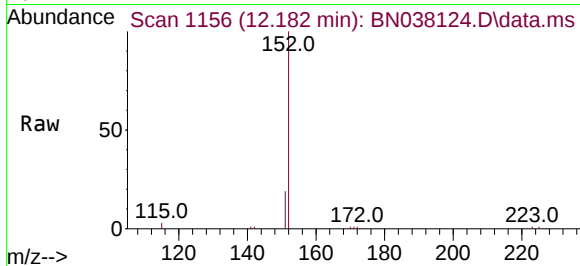




#11
2-Methylnaphthalene-d10
Concen: 0.377 ng
RT: 12.182 min Scan# 1156
Delta R.T. 0.005 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

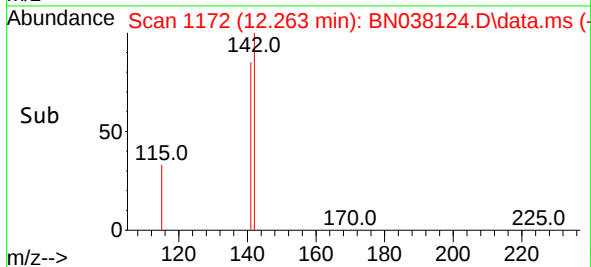
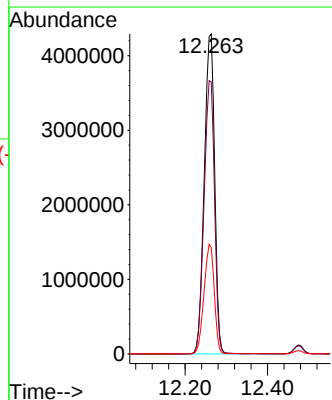
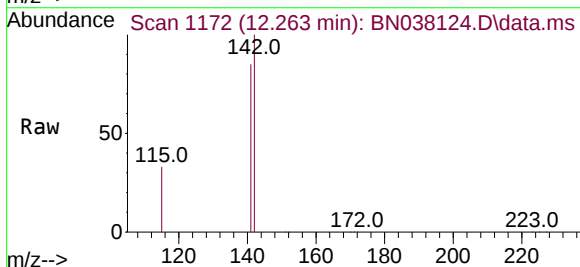
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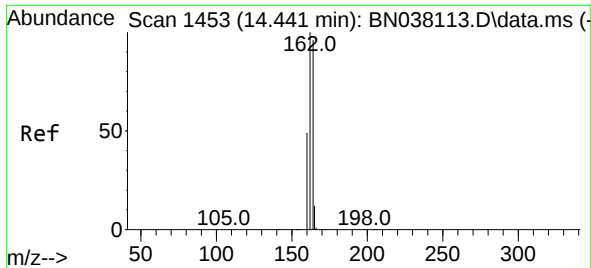
Tgt Ion:152 Resp: 15898
Ion Ratio Lower Upper
152 100
151 22.6 16.8 25.2



#12
2-Methylnaphthalene
Concen: 137.119 ng
RT: 12.263 min Scan# 1172
Delta R.T. 0.015 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:142 Resp: 7444810
Ion Ratio Lower Upper
142 100
141 85.0 70.3 105.5
115 33.2 27.8 41.6

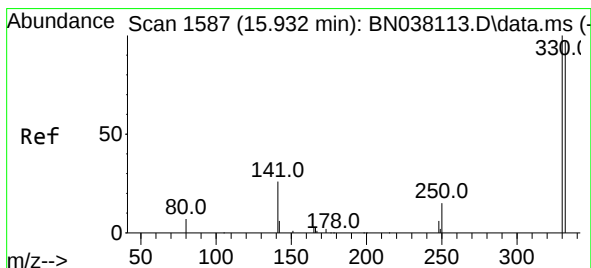
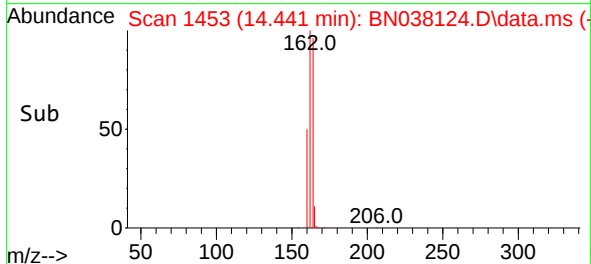
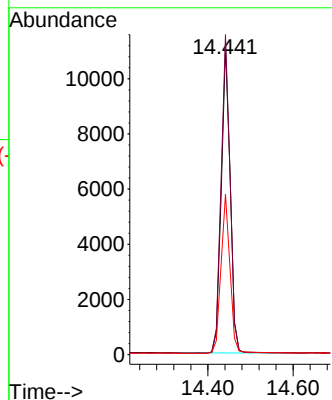
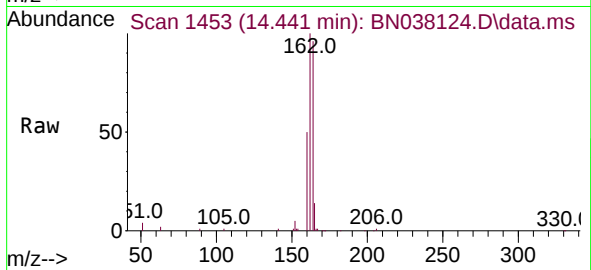




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.441 min Scan# 1453
 Delta R.T. 0.011 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

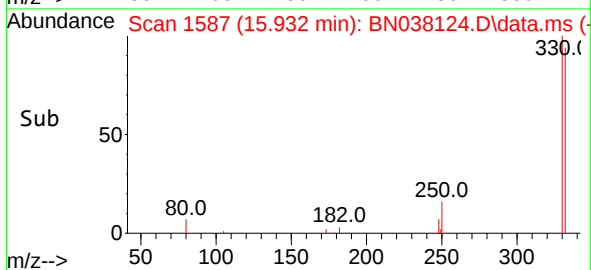
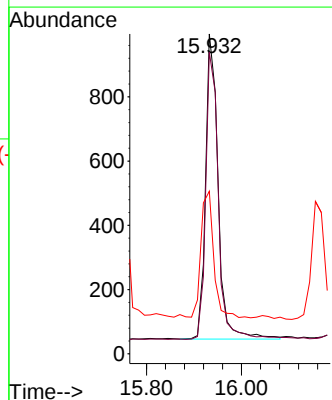
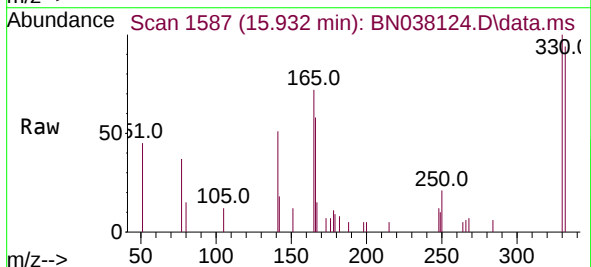
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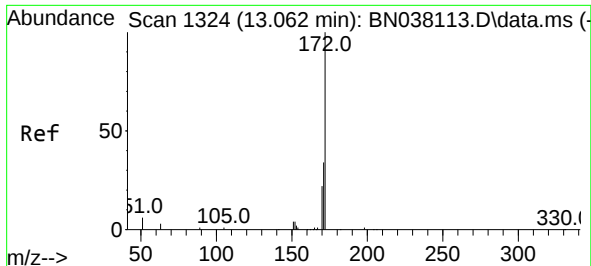
Tgt Ion:164 Resp: 16222
 Ion Ratio Lower Upper
 164 100
 162 103.7 83.0 124.4
 160 52.0 40.7 61.1



#14
 2,4,6-Tribromophenol
 Concen: 0.260 ng
 RT: 15.932 min Scan# 1587
 Delta R.T. 0.000 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

Tgt Ion:330 Resp: 1740
 Ion Ratio Lower Upper
 330 100
 332 94.7 76.6 114.8
 141 42.0 34.1 51.1

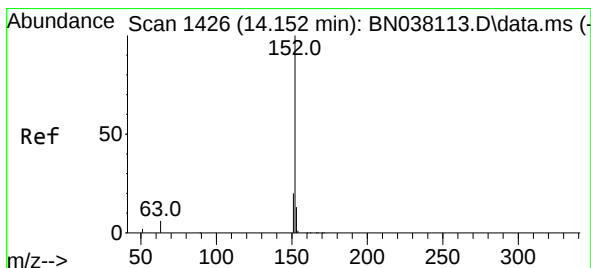
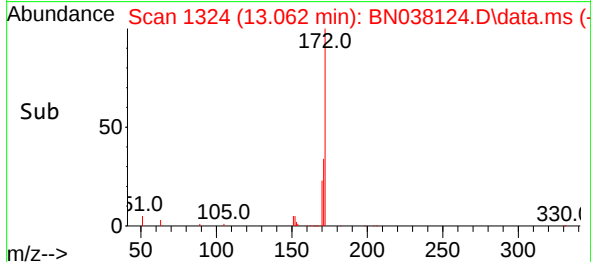
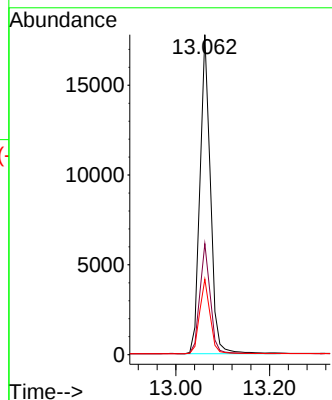
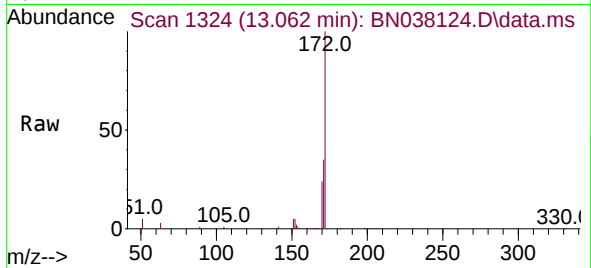




#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 13.062 min Scan# 1324
Delta R.T. 0.011 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

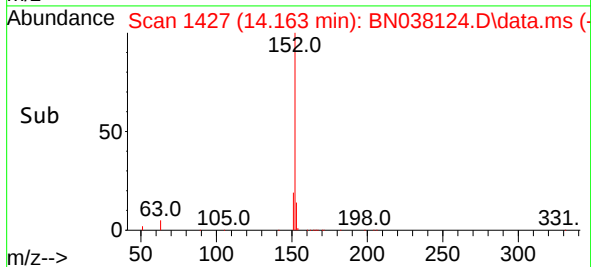
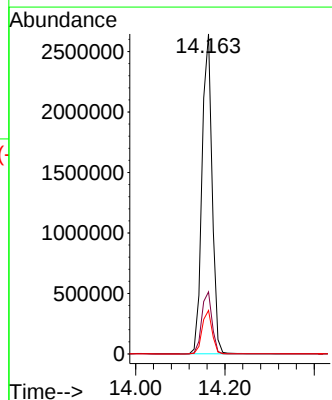
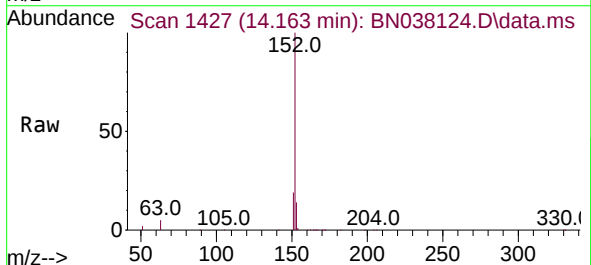
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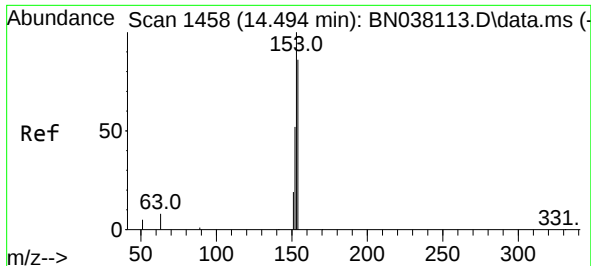
Tgt Ion:172 Resp: 27536
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.6 18.1 27.1



#16
Acenaphthylene
Concen: 56.413 ng
RT: 14.163 min Scan# 1427
Delta R.T. 0.011 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:152 Resp: 4144339
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 13.4 10.2 15.2

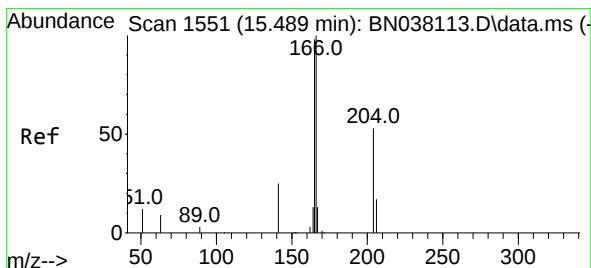
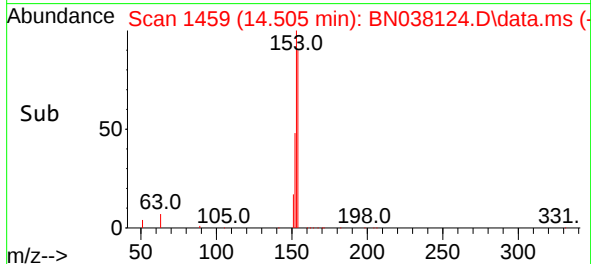
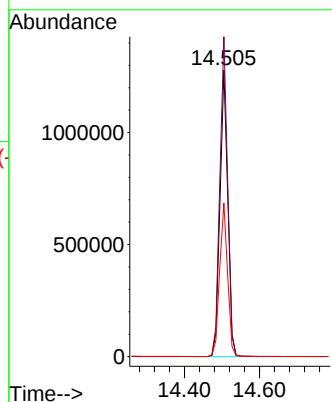
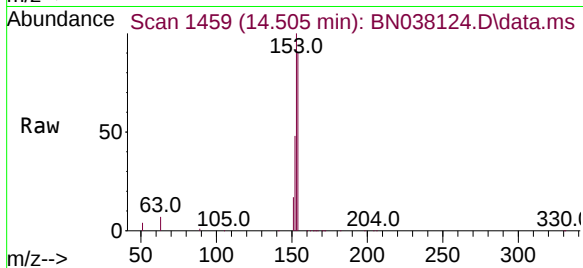




#17
Acenaphthene
Concen: 35.552 ng
RT: 14.505 min Scan# 1459
Delta R.T. 0.011 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

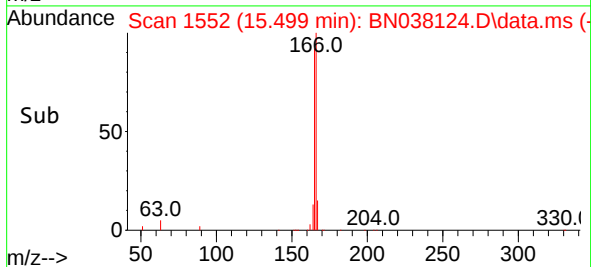
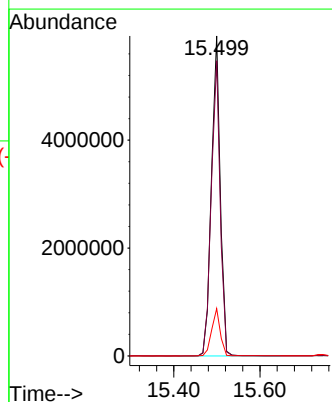
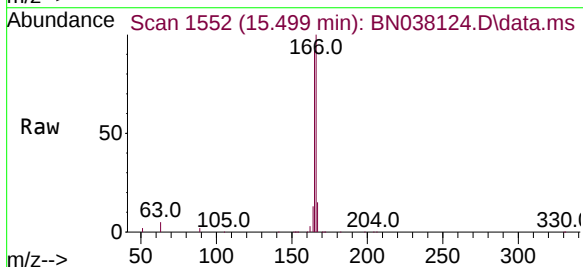
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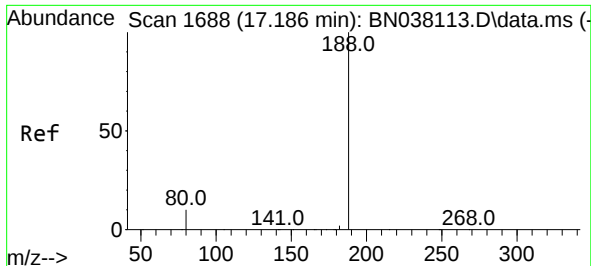
Tgt Ion:154 Resp: 1827315
Ion Ratio Lower Upper
154 100
153 112.3 90.0 135.0
152 54.6 47.3 70.9



#18
Fluorene
Concen: 133.488 ng
RT: 15.499 min Scan# 1552
Delta R.T. 0.010 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:166 Resp: 8992260
Ion Ratio Lower Upper
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165 92.8 79.0 118.4
167 14.2 10.7 16.1

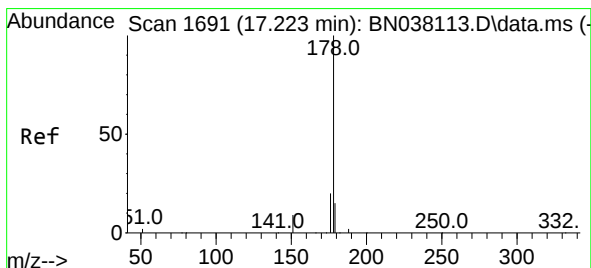
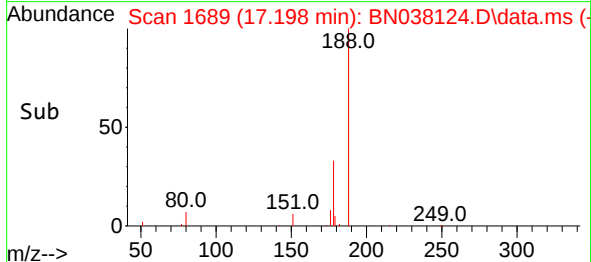
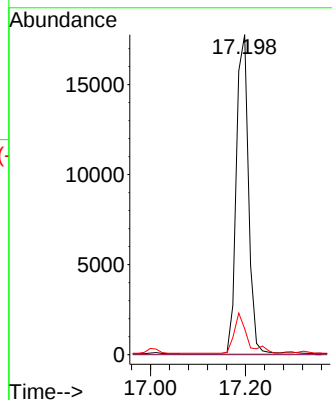
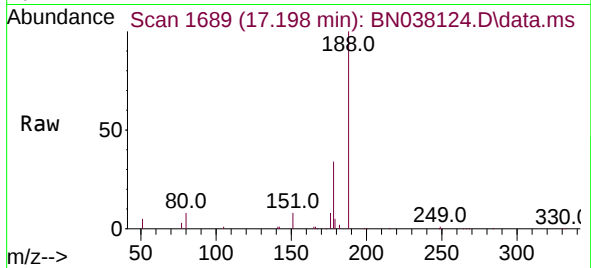




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.198 min Scan# 1689
Delta R.T. 0.012 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

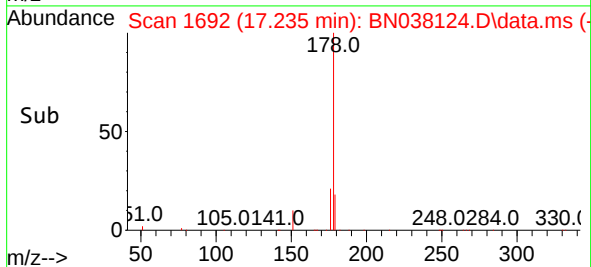
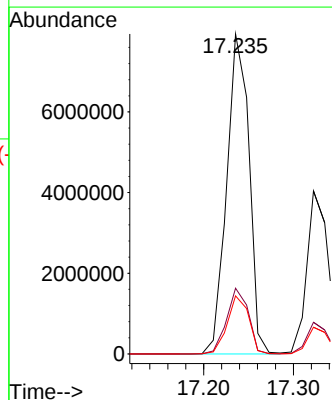
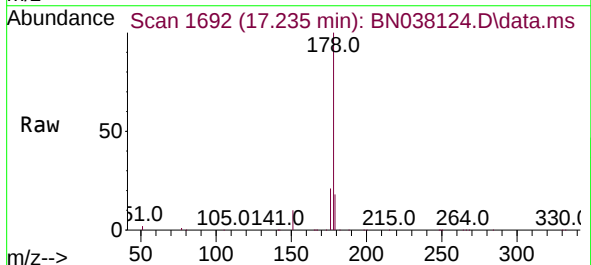
Instrument :
BNA_N
ClientSampleId :
38072-061125

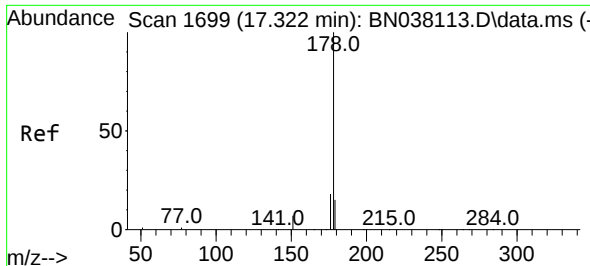
Tgt Ion:188 Resp: 31316
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.1 8.6 13.0#



#25
Phenanthrene
Concen: 138.168 ng
RT: 17.235 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:178 Resp:13736617
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 17.5 12.2 18.4

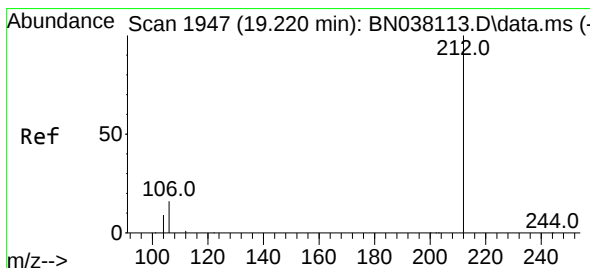
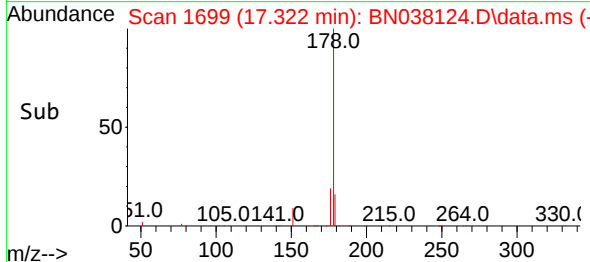
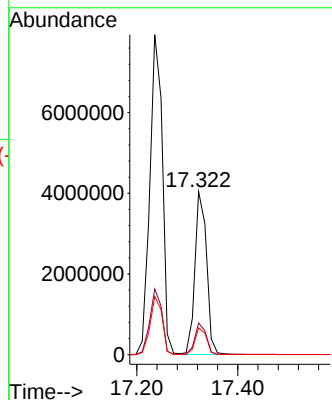
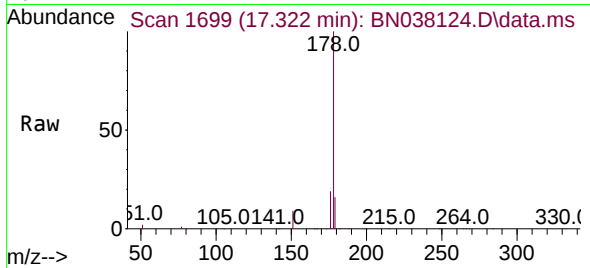




#26
 Anthracene
 Concen: 74.652 ng
 RT: 17.322 min Scan# 1699
 Delta R.T. 0.000 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

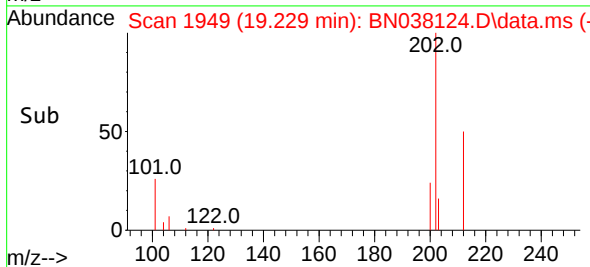
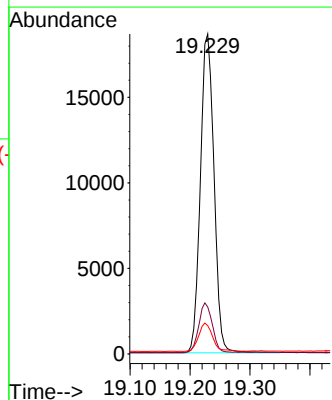
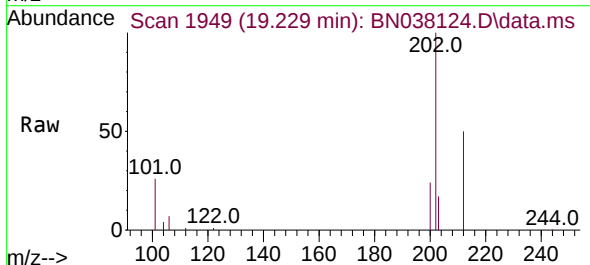
Instrument :
 BNA_N
 ClientSampleId :
 38072-061125

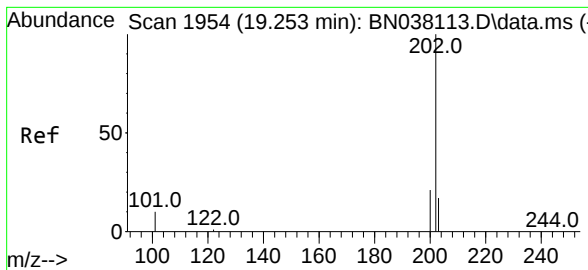
Tgt Ion:178 Resp: 6492627
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.9 22.3
 179 16.2 11.8 17.8



#27
 Fluoranthene-d10
 Concen: 0.373 ng
 RT: 19.229 min Scan# 1949
 Delta R.T. 0.009 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

Tgt Ion:212 Resp: 29473
 Ion Ratio Lower Upper
 212 100
 106 15.4 12.6 19.0
 104 9.1 7.1 10.7

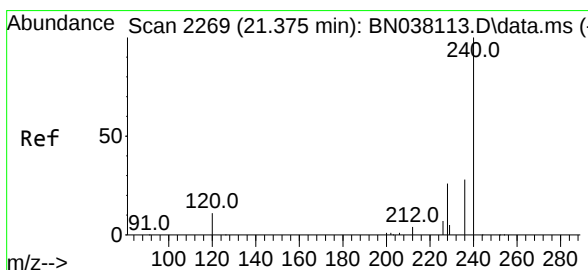
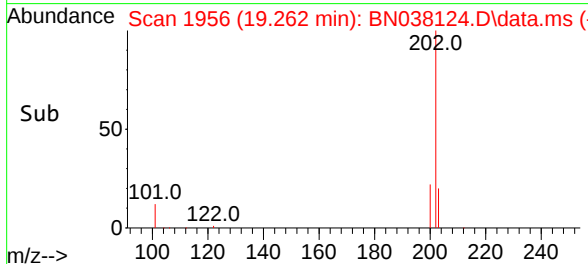
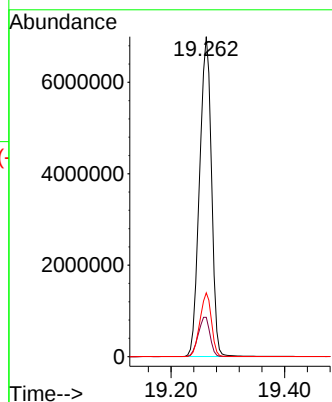
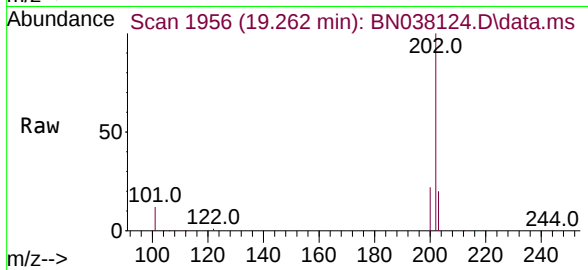




#28
 Fluoranthene
 Concen: 91.709 ng
 RT: 19.262 min Scan# 1954
 Delta R.T. 0.009 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

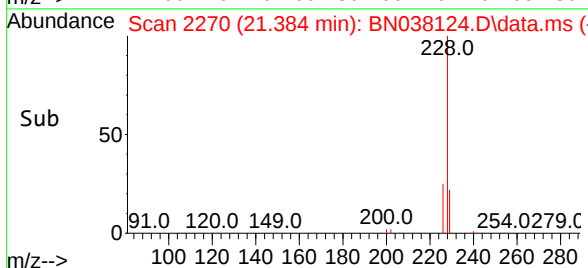
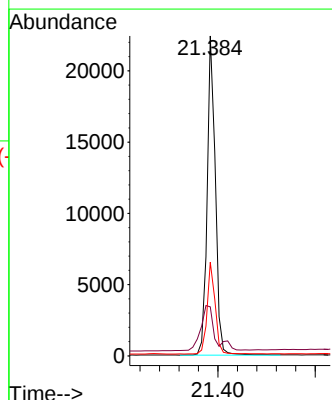
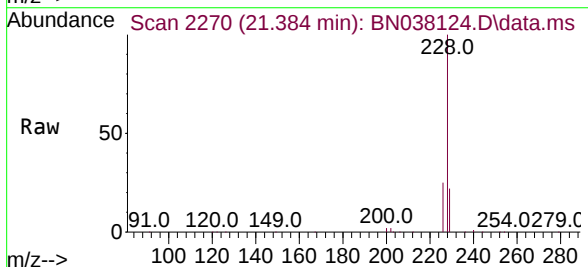
Instrument :
 BNA_N
 ClientSampleId :
 38072-061125

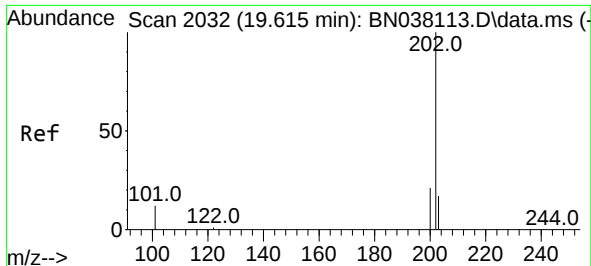
Tgt Ion:202 Resp:10188126
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.4 14.2
 203 19.2 13.4 20.2



#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.384 min Scan# 2270
 Delta R.T. 0.009 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

Tgt Ion:240 Resp: 25983
 Ion Ratio Lower Upper
 240 100
 120 15.3 10.7 16.1
 236 29.3 23.1 34.7

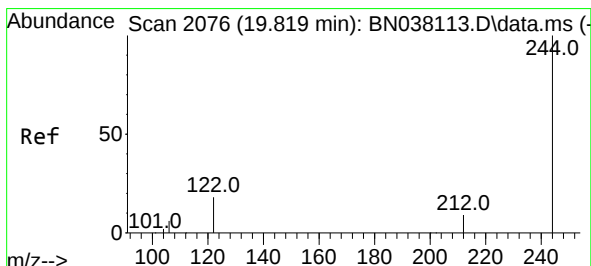
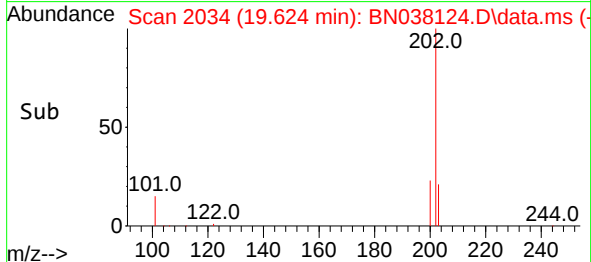
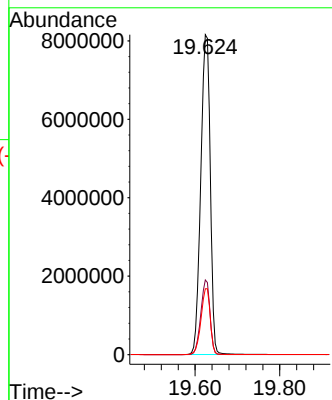
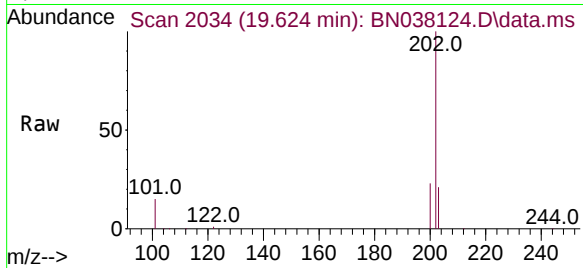




#30
 Pyrene
 Concen: 108.376 ng
 RT: 19.624 min Scan# 2032
 Delta R.T. 0.014 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

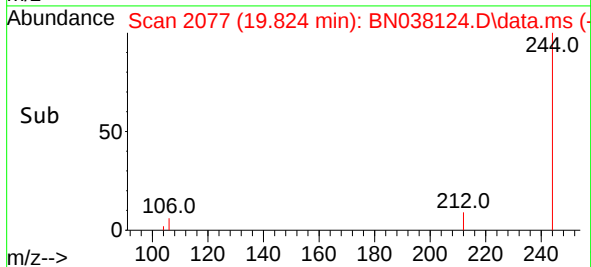
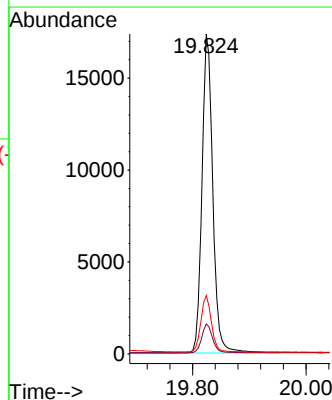
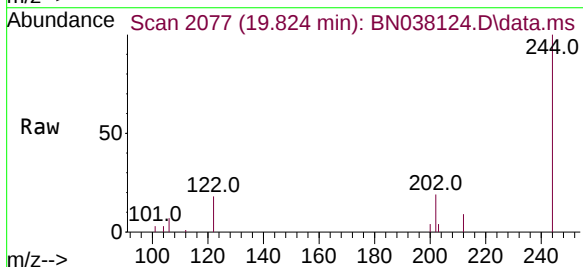
Instrument :
 BNA_N
 ClientSampleId :
 38072-061125

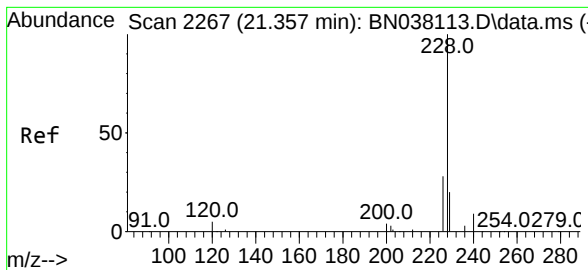
Tgt Ion:202 Resp:12711271
 Ion Ratio Lower Upper
 202 100
 200 22.4 16.7 25.1
 203 20.1 14.2 21.2



#31
 Terphenyl-d14
 Concen: 0.407 ng
 RT: 19.824 min Scan# 2077
 Delta R.T. 0.005 min
 Lab File: BN038124.D
 Acq: 30 Oct 2025 13:12

Tgt Ion:244 Resp: 22949
 Ion Ratio Lower Upper
 244 100
 212 9.4 7.8 11.6
 122 18.2 15.2 22.8

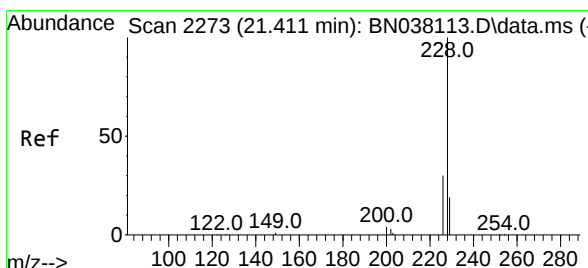
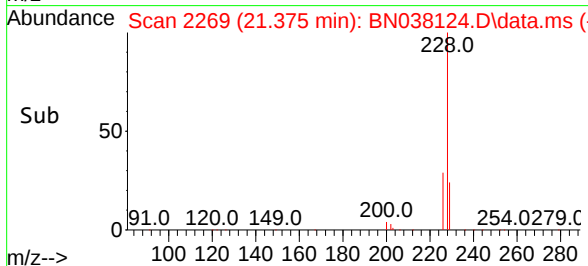
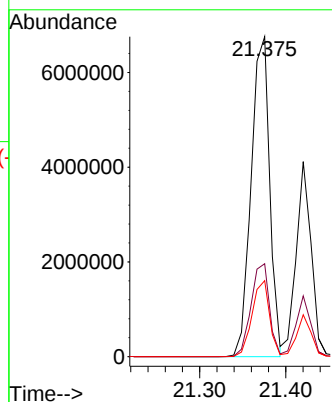
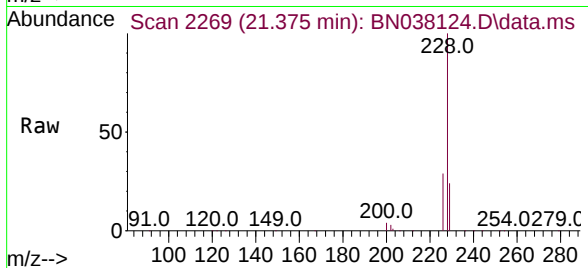




#32
Benzo(a)anthracene
Concen: 108.683 ng
RT: 21.375 min Scan# 21
Delta R.T. 0.018 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

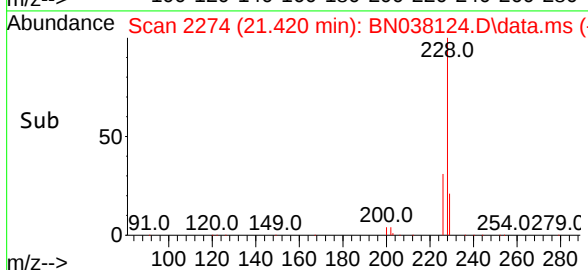
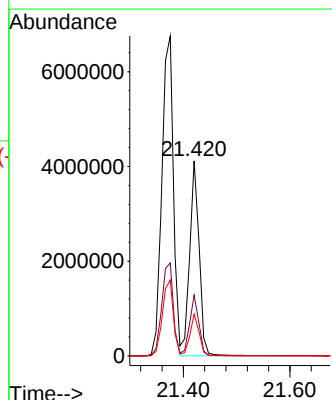
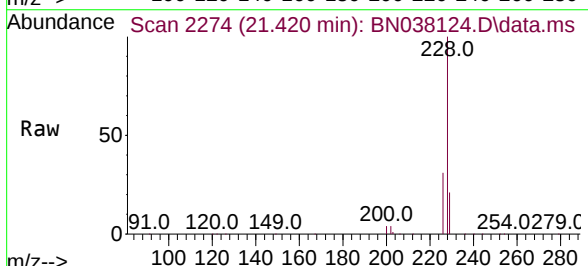
Instrument :
BNA_N
ClientSampleId :
38072-061125

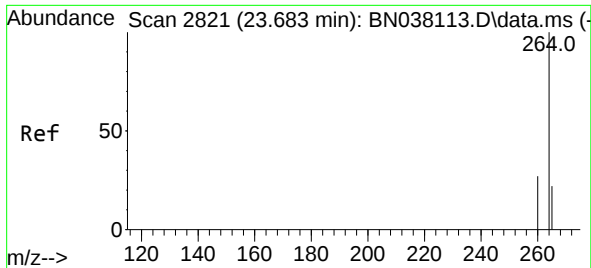
Tgt Ion:228 Resp:10075000
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.4
229 23.7 15.8 23.8



#33
Chrysene
Concen: 50.335 ng
RT: 21.420 min Scan# 2274
Delta R.T. 0.009 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:228 Resp: 5063658
Ion Ratio Lower Upper
228 100
226 31.2 24.3 36.5
229 21.4 15.7 23.5

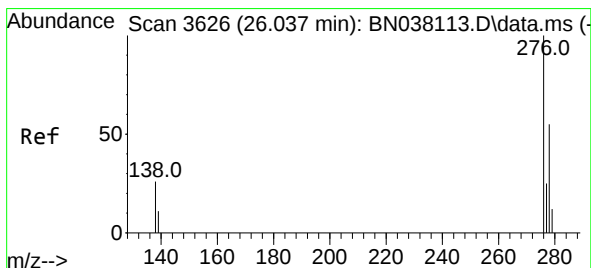
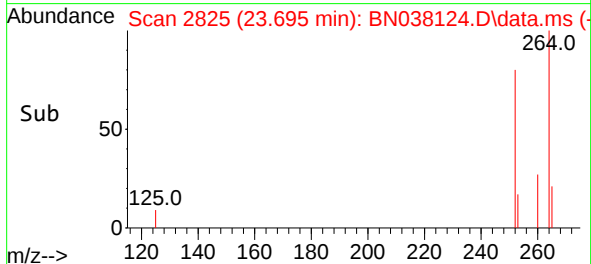
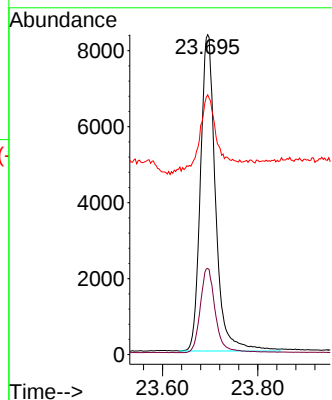
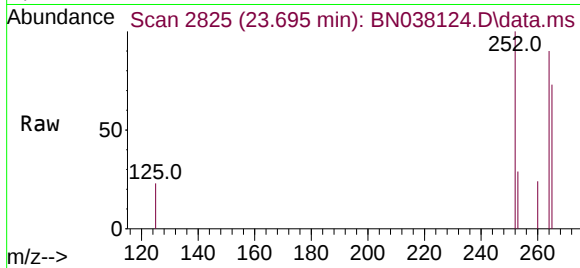




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.695 min Scan# 2825
Delta R.T. 0.015 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

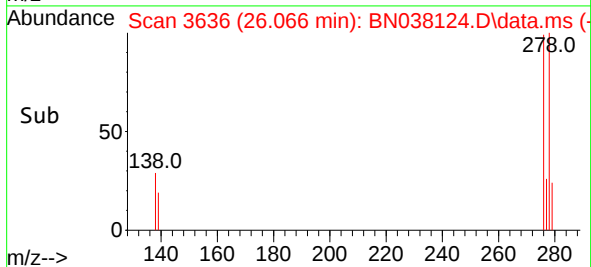
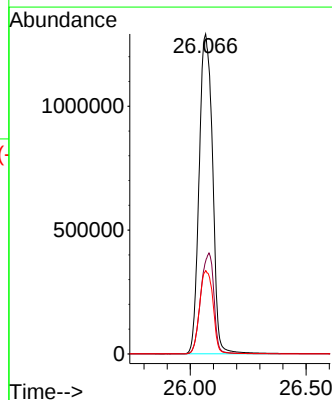
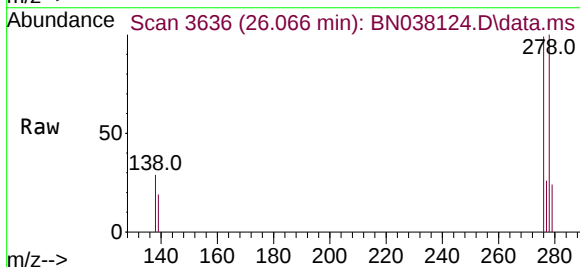
Instrument :
BNA_N
ClientSampleId :
38072-061125

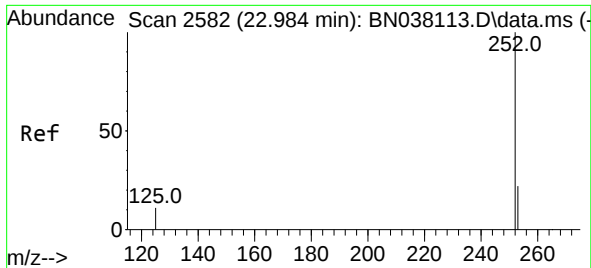
Tgt Ion:264 Resp: 18372
Ion Ratio Lower Upper
264 100
260 26.9 21.8 32.8
265 81.2 68.6 102.8



#36
Indeno(1,2,3-cd)pyrene
Concen: 68.933 ng
RT: 26.066 min Scan# 3636
Delta R.T. 0.032 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:276 Resp: 5203268
Ion Ratio Lower Upper
276 100
138 31.0 21.4 32.0
277 26.4 19.2 28.8

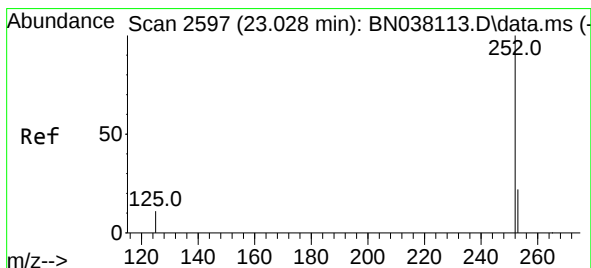
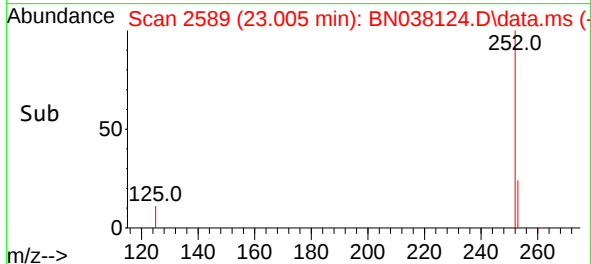
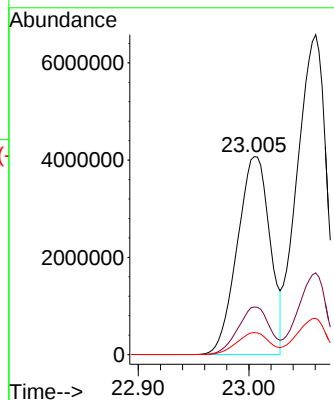
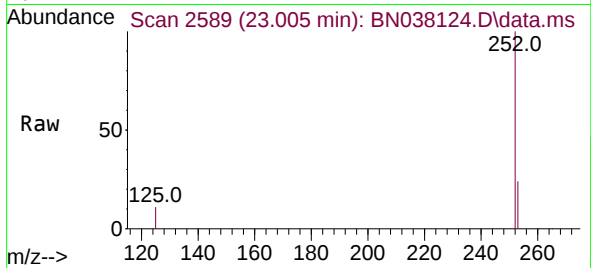




#37
Benzo(b)fluoranthene
Concen: 106.654 ng
RT: 23.005 min Scan# 21
Delta R.T. 0.023 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

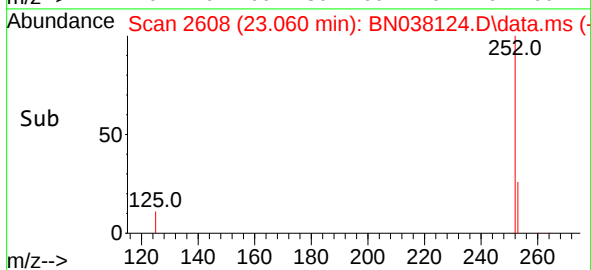
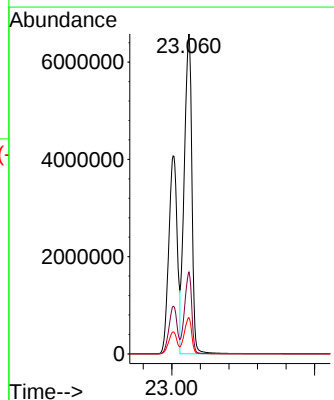
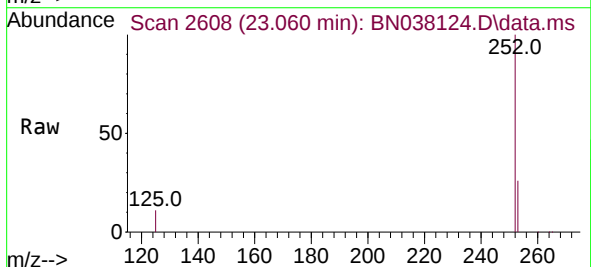
Instrument :
BNA_N
ClientSampleId :
38072-061125

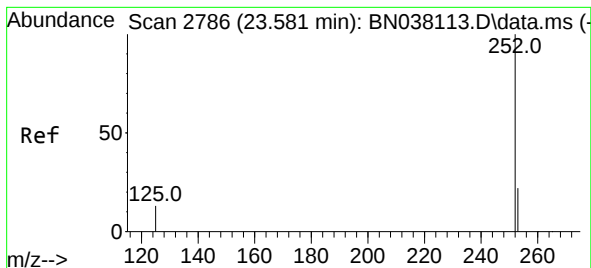
Tgt Ion:252 Resp: 8377644
Ion Ratio Lower Upper
252 100
253 24.1 20.9 31.3
125 11.1 14.1 21.1#



#38
Benzo(k)fluoranthene
Concen: 154.635 ng
RT: 23.060 min Scan# 2608
Delta R.T. 0.032 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Tgt Ion:252 Resp:12225787
Ion Ratio Lower Upper
252 100
253 25.5 21.2 31.8
125 11.3 14.6 22.0#





#39

Benzo(a)pyrene

Concen: 55.750 ng

RT: 23.598 min Scan# 21

Delta R.T. 0.021 min

Lab File: BN038124.D

Acq: 30 Oct 2025 13:12

Instrument :

BNA_N

ClientSampleId :

38072-061125

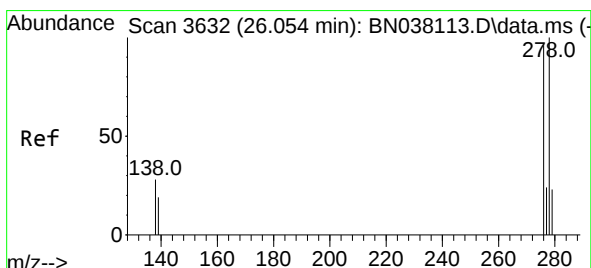
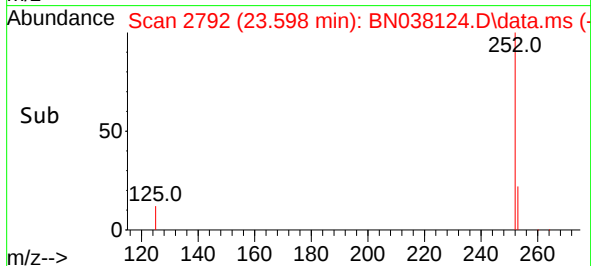
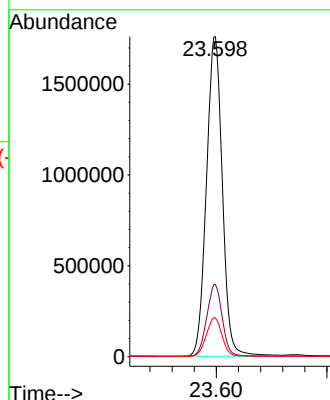
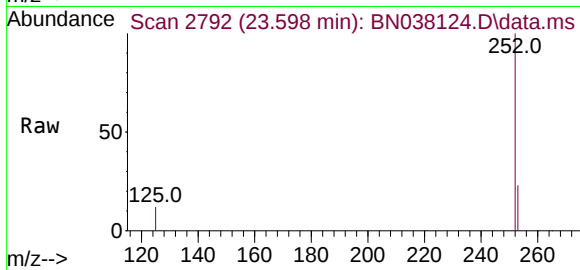
Tgt Ion:252 Resp: 3505338

Ion Ratio Lower Upper

252 100

253 22.5 23.1 34.7#

125 12.1 18.6 28.0#



#40

Dibenzo(a,h)anthracene

Concen: 117.822 ng

RT: 26.089 min Scan# 3644

Delta R.T. 0.041 min

Lab File: BN038124.D

Acq: 30 Oct 2025 13:12

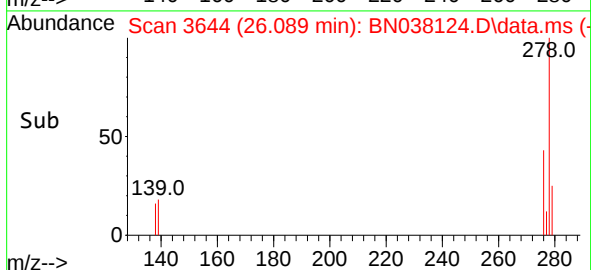
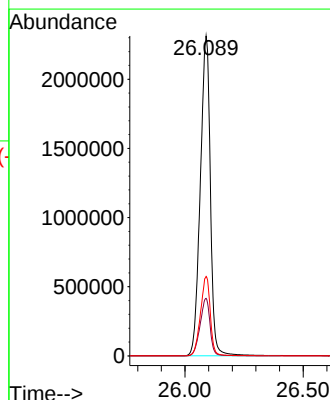
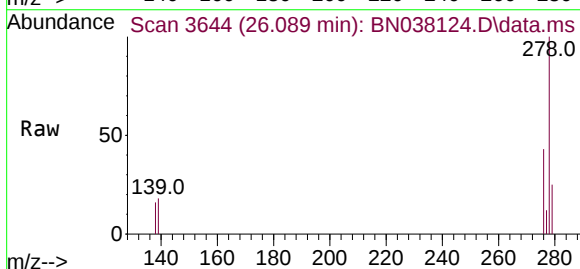
Tgt Ion:278 Resp: 6843074

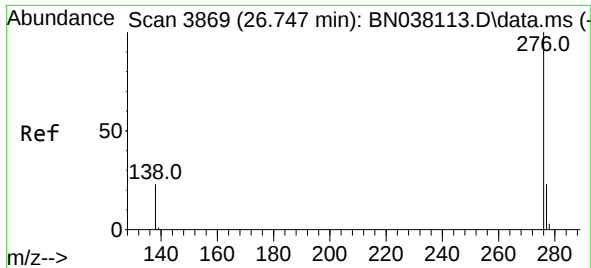
Ion Ratio Lower Upper

278 100

139 18.0 17.6 26.4

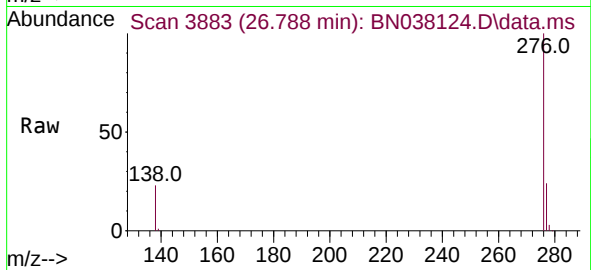
279 24.8 22.6 33.8





#41
Benzo(g,h,i)perylene
Concen: 55.663 ng
RT: 26.788 min Scan# 3883
Delta R.T. 0.038 min
Lab File: BN038124.D
Acq: 30 Oct 2025 13:12

Instrument :
BNA_N
ClientSampleId :
38072-061125



Tgt Ion:276 Resp: 3692408
Ion Ratio Lower Upper
276 100
277 24.0 19.7 29.5
138 23.3 20.2 30.4

