

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
 Data File : BN038294.D
 Acq On : 06 Dec 2025 03:58
 Operator : RC/JU
 Sample : Q3756-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-13B-47.5-120225

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/08/2025
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 06 05:26:16 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 21:04:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.760	152	7020	0.400	ng	0.00
7) Naphthalene-d8	10.562	136	21534	0.400	ng	-0.01
13) Acenaphthene-d10	14.420	164	11522	0.400	ng	-0.01
19) Phenanthrene-d10	17.173	188	17319	0.400	ng	#-0.01
29) Chrysene-d12	21.366	240	10242	0.400	ng	# 0.00
35) Perylene-d12	23.668	264	10445	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	2446	0.149	ng	0.00
5) Phenol-d6	6.930	99	1900	0.093	ng	0.00
8) Nitrobenzene-d5	8.907	82	5325	0.309	ng	-0.01
11) 2-Methylnaphthalene-d10	12.156	152	8984	0.294	ng	-0.01
14) 2,4,6-Tribromophenol	15.920	330	1744	0.481	ng	-0.01
15) 2-Fluorobiphenyl	13.040	172	14635	0.329	ng	-0.01
27) Fluoranthene-d10	19.211	212	12616	0.336	ng	0.00
31) Terphenyl-d14	19.810	244	10938	0.462	ng	0.00
Target Compounds						Qvalue
21) 4-Bromophenyl-phenylether	16.366	248	303	0.025	ng	# 80
24) Pentachlorophenol	16.826	266	220	0.054	ng	95
25) Phenanthrene	17.211	178	1664m	0.031	ng	
28) Fluoranthene	19.243	202	1431	0.027	ng	# 71
30) Pyrene	19.606	202	1342	0.026	ng	96
32) Benzo(a)anthracene	21.348	228	1081	0.031	ng	# 85
33) Chrysene	21.402	228	1156	0.028	ng	# 85
34) Bis(2-ethylhexyl)phtha...	21.286	149	4084	0.215	ng	# 99
36) Indeno(1,2,3-cd)pyrene	26.022	276	1497	0.031	ng	95
37) Benzo(b)fluoranthene	22.970	252	1334	0.031	ng	# 1
38) Benzo(k)fluoranthene	23.016	252	1179	0.026	ng	# 1
39) Benzo(a)pyrene	23.569	252	876	0.024	ng	# 1
40) Dibenzo(a,h)anthracene	26.034	278	1101	0.030	ng	# 17
41) Benzo(g,h,i)perylene	26.732	276	1358	0.031	ng	# 58

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

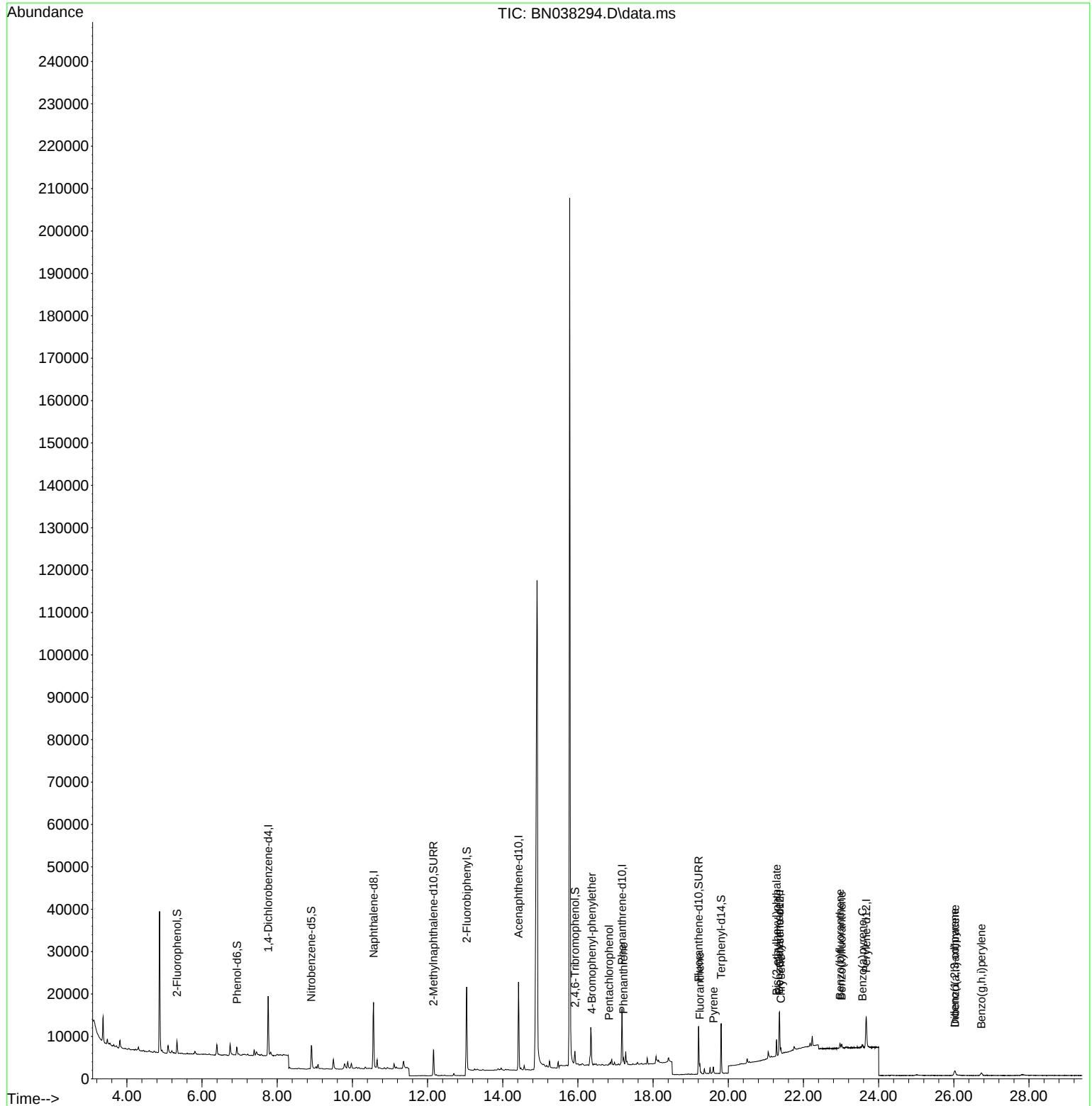
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120625\
Data File : BN038294.D
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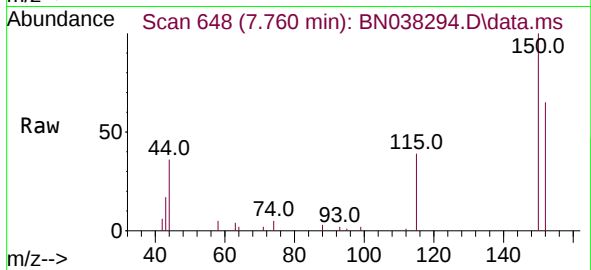
Quant Time: Dec 06 05:26:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN112725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 28 21:04:10 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.760 min Scan# 649
Delta R.T. -0.008 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

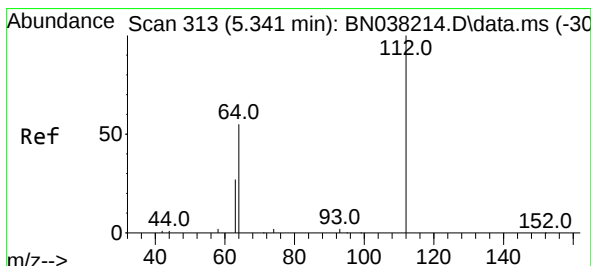
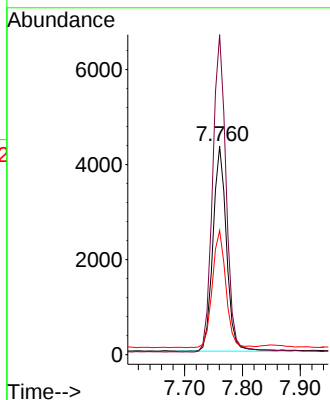
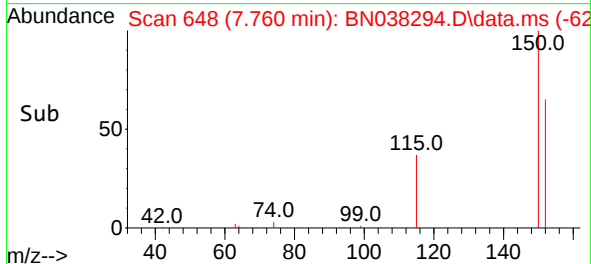
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



Tgt Ion:152 Resp: 7020
Ion Ratio Lower Upper
152 100
150 153.6 125.3 187.9
115 59.6 49.0 73.4

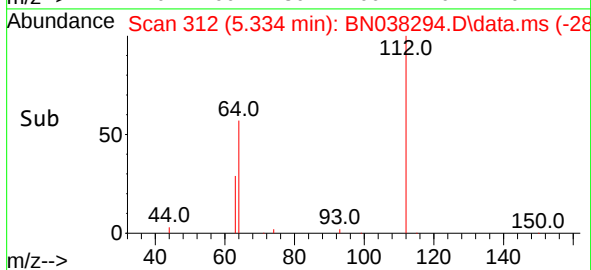
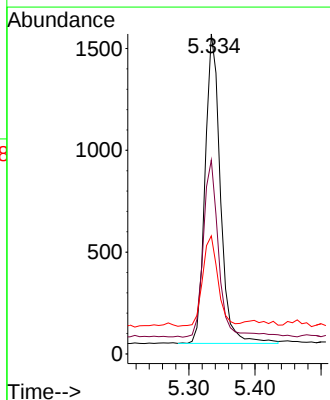
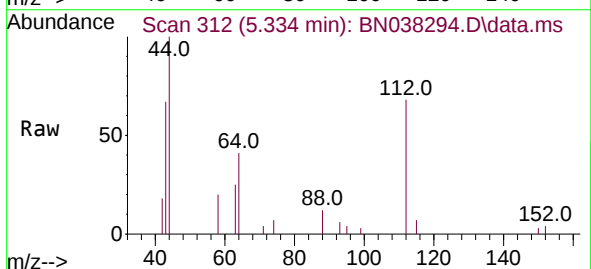
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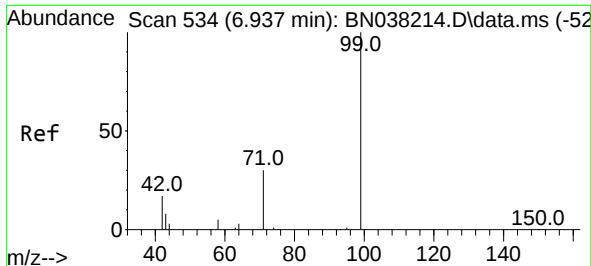
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#4
2-Fluorophenol
Concen: 0.149 ng
RT: 5.334 min Scan# 312
Delta R.T. -0.007 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

Tgt Ion:112 Resp: 2446
Ion Ratio Lower Upper
112 100
64 58.1 45.0 67.4
63 29.8 23.2 34.8





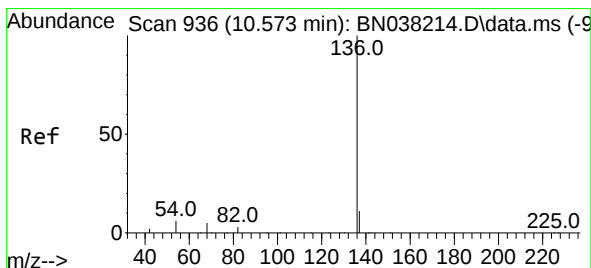
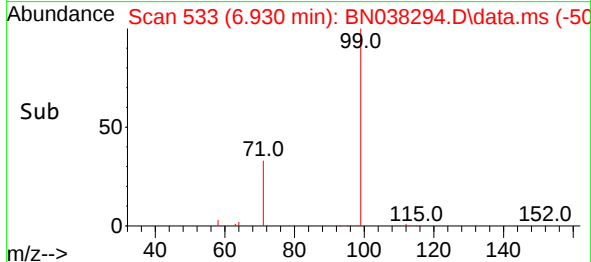
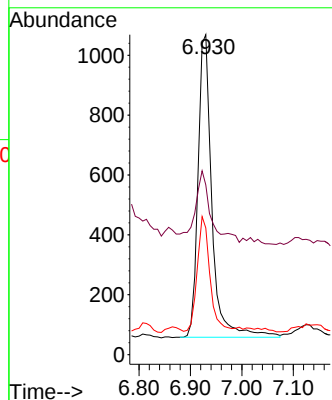
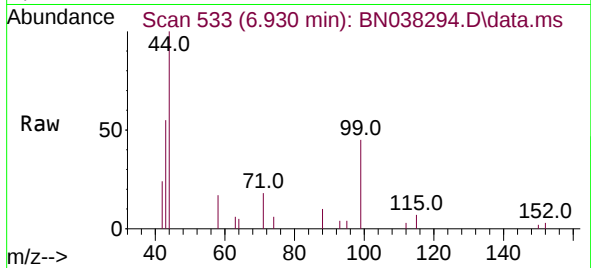
#5
Phenol-d6
Concen: 0.093 ng
RT: 6.930 min Scan# 531
Delta R.T. -0.007 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225

Tgt Ion: 99 Resp: 1900
Ion Ratio Lower Upper
99 100
42 26.3 17.0 25.6
71 34.4 25.4 38.2

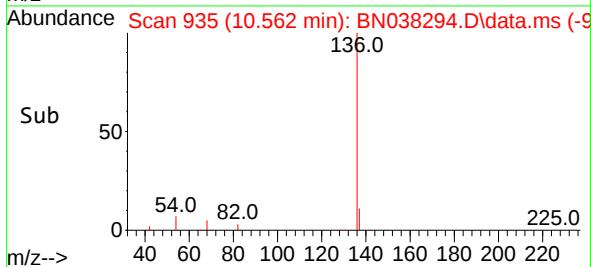
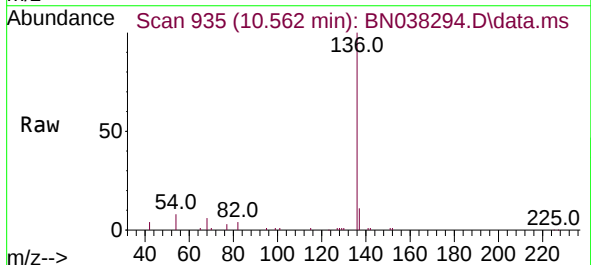
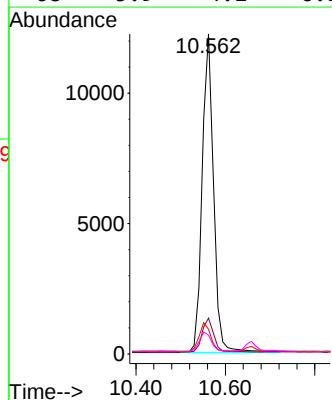
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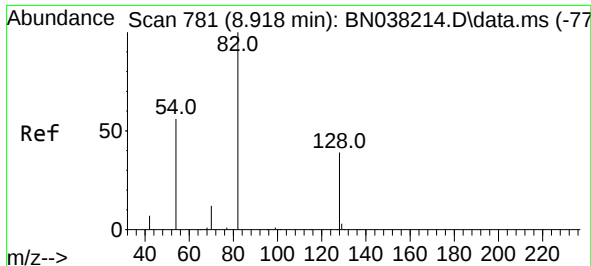
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.562 min Scan# 935
Delta R.T. -0.011 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

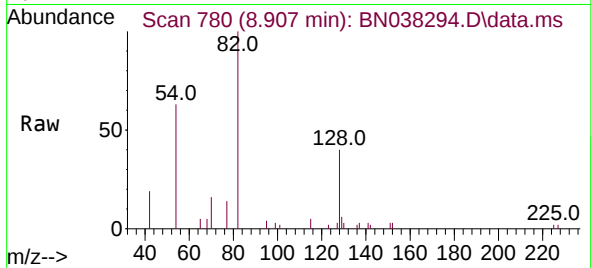
Tgt Ion:136 Resp: 21534
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.7 5.4 8.0
68 5.9 4.1 6.1





#8
 Nitrobenzene-d5
 Concen: 0.309 ng
 RT: 8.907 min Scan# 781
 Delta R.T. -0.011 min
 Lab File: BN038294.D
 Acq: 06 Dec 2025 03:58

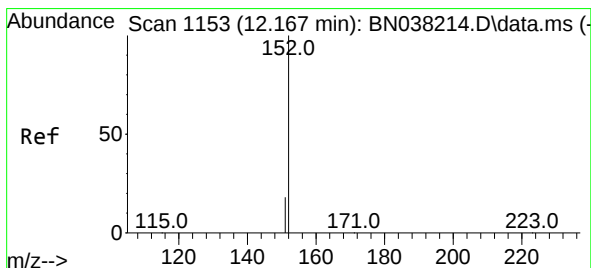
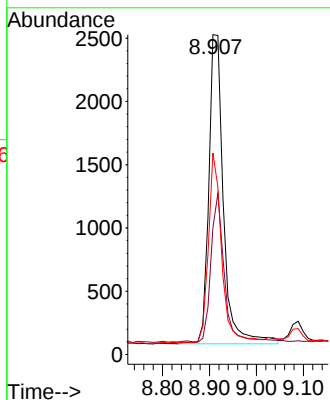
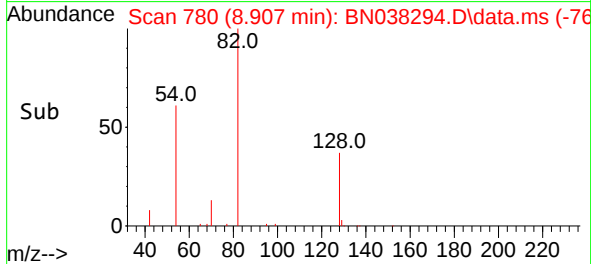
Instrument :
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 ClientSampleId :
 MW-13B-47.5-120225



Tgt Ion: 82 Resp: 5325
 Ion Ratio Lower Upper
 82 100
 128 39.6 32.6 48.8
 54 63.0 45.4 68.0

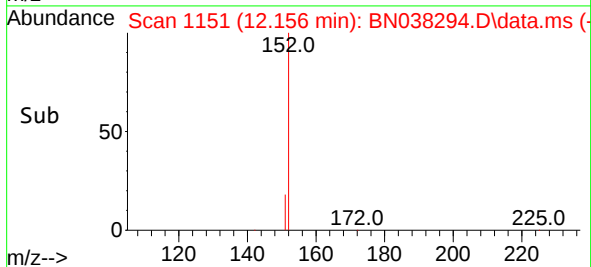
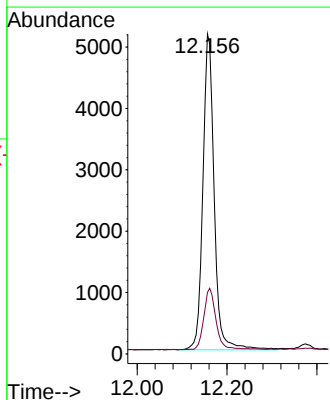
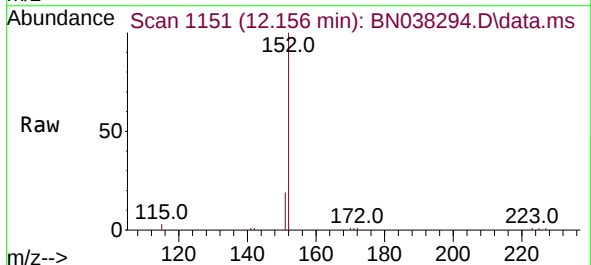
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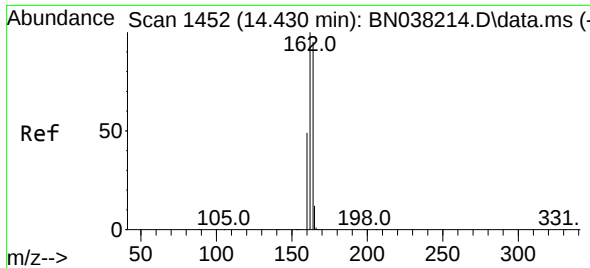
Reviewed By :Jagrut Upadhyay 12/08/2025
 Supervised By :mohammad ahmed 12/09/2025



#11
 2-Methylnaphthalene-d10
 Concen: 0.294 ng
 RT: 12.156 min Scan# 1151
 Delta R.T. -0.010 min
 Lab File: BN038294.D
 Acq: 06 Dec 2025 03:58

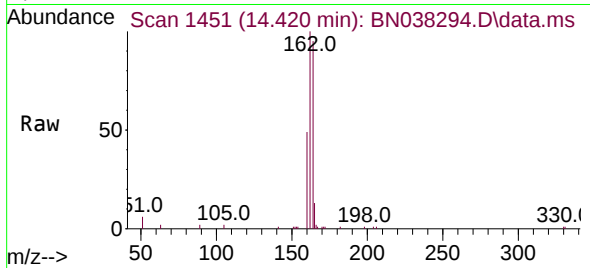
Tgt Ion:152 Resp: 8984
 Ion Ratio Lower Upper
 152 100
 151 21.1 16.7 25.1





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.420 min Scan# 1452
Delta R.T. -0.011 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

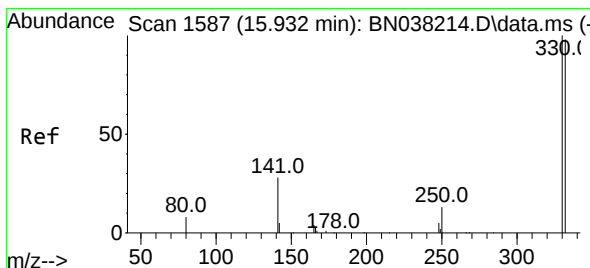
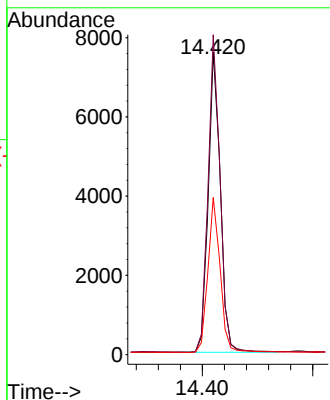
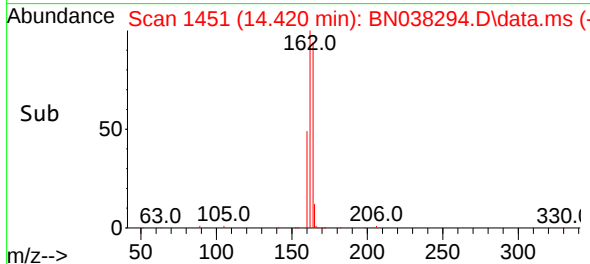
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



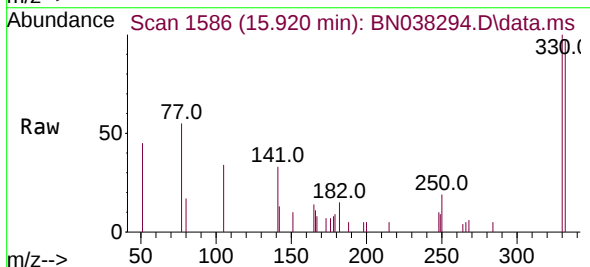
Tgt Ion:164 Resp: 1152
Ion Ratio Lower Upper
164 100
162 105.8 83.8 125.8
160 51.9 41.6 62.4

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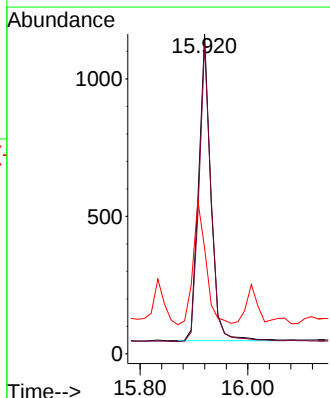
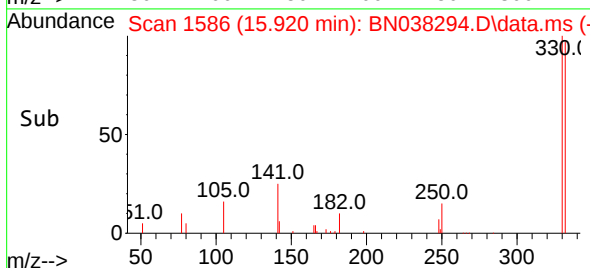
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025

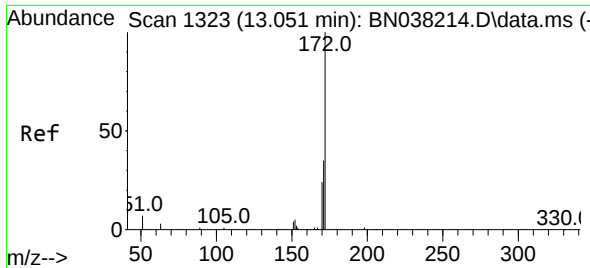


#14
2,4,6-Tribromophenol
Concen: 0.481 ng
RT: 15.920 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58



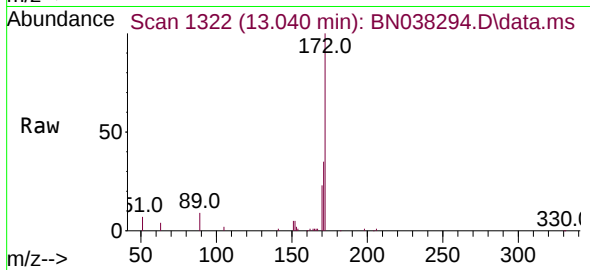
Tgt Ion:330 Resp: 1744
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.6
141 42.9 33.0 49.4





#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.040 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

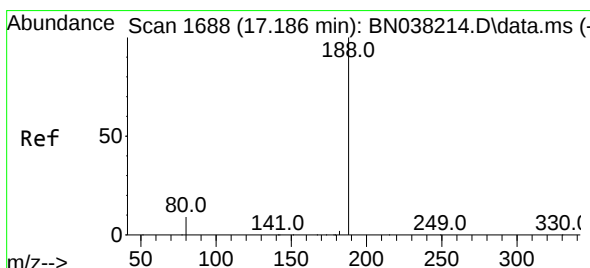
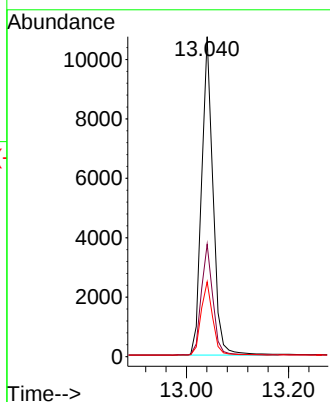
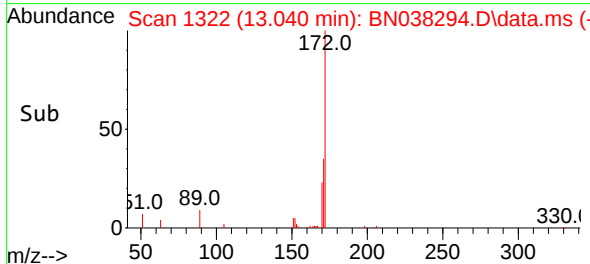
Instrument :
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Tgt Ion:172 Resp: 14635
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.4 19.1 28.7

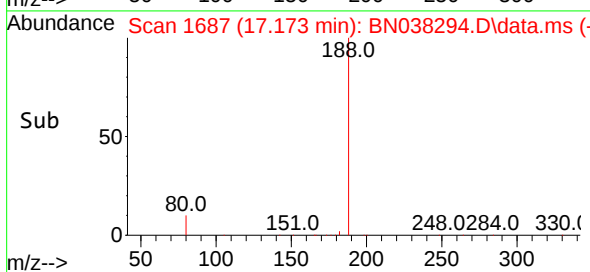
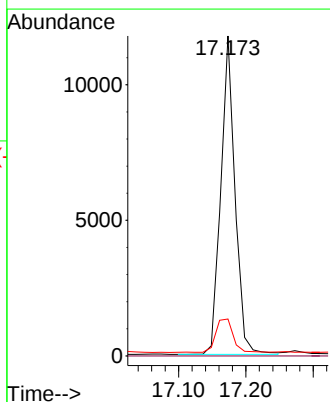
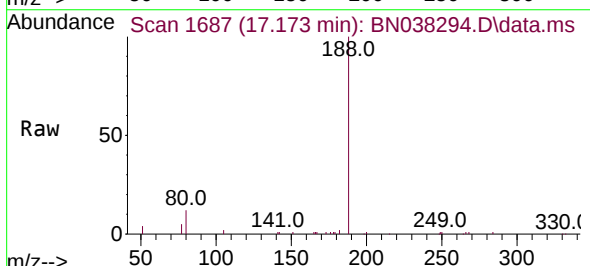
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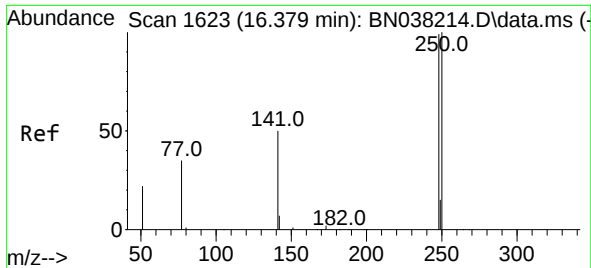
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.173 min Scan# 1687
Delta R.T. -0.012 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

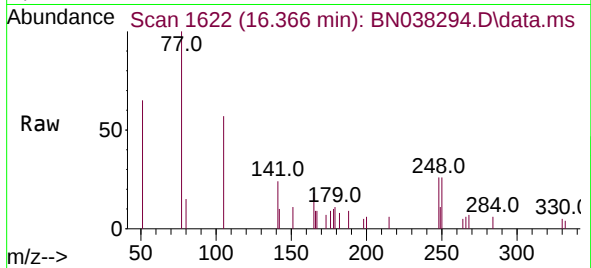
Tgt Ion:188 Resp: 17319
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.5 7.7 11.5





#21
4-Bromophenyl-phenylether
Concen: 0.025 ng
RT: 16.366 min Scan# 1622
Delta R.T. -0.012 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

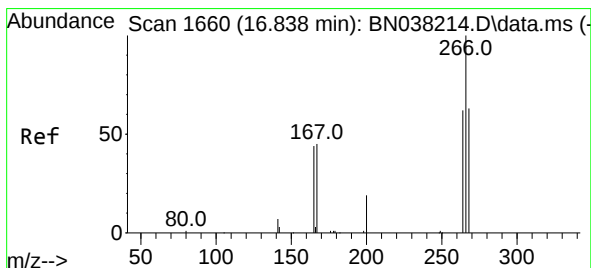
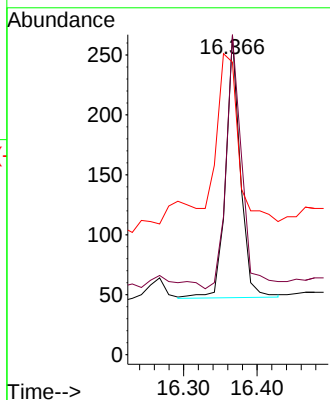
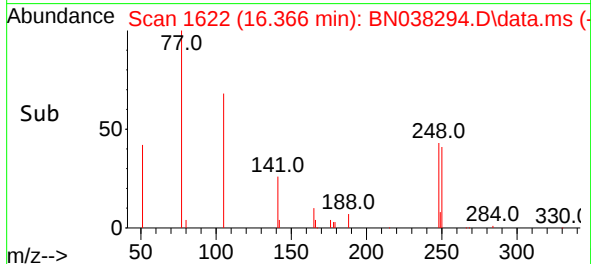
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



Tgt Ion:248 Resp: 303
Ion Ratio Lower Upper
248 100
250 100.4 80.8 121.2
141 91.7 41.0 61.6

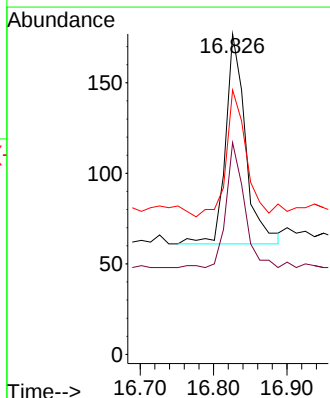
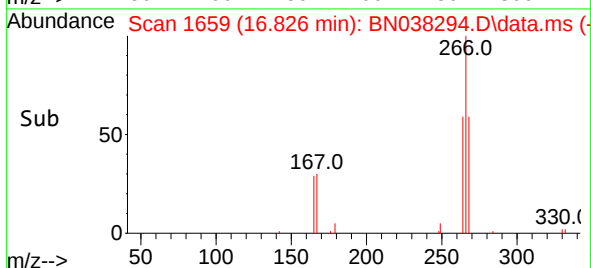
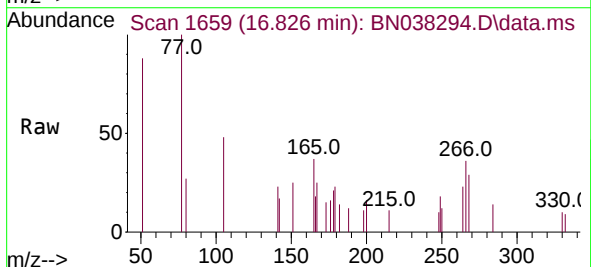
Manual Integrations
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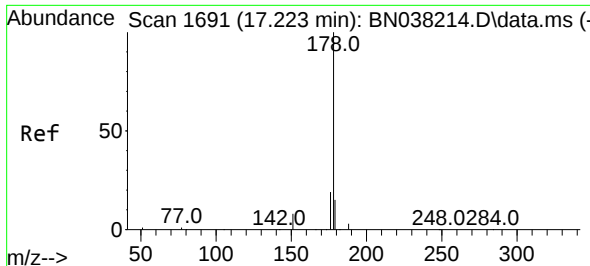
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#24
Pentachlorophenol
Concen: 0.054 ng
RT: 16.826 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

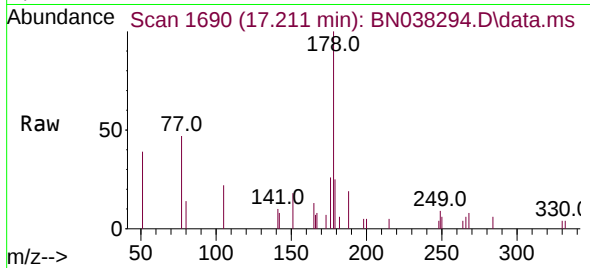
Tgt Ion:266 Resp: 220
Ion Ratio Lower Upper
266 100
264 56.4 48.9 73.3
268 59.5 50.2 75.2





#25
Phenanthrene
Concen: 0.031 ng m
RT: 17.211 min Scan# 1690
Delta R.T. -0.012 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

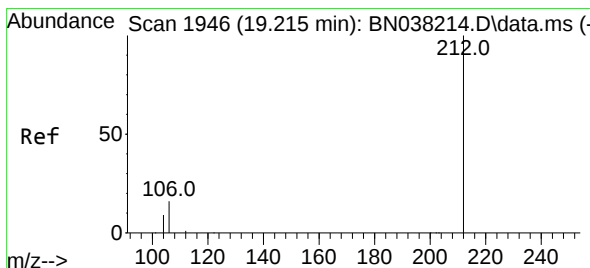
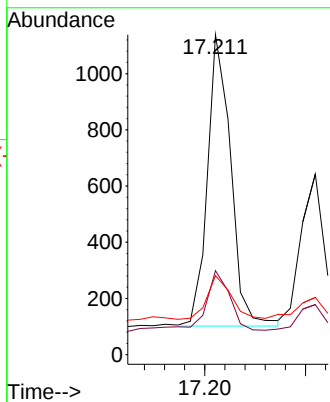
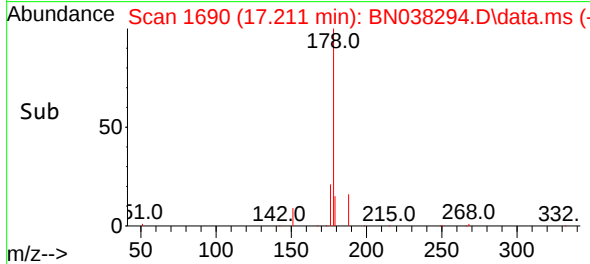
Instrument :
BNA_N
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MW-13B-47.5-120225



Tgt Ion:178 Resp: 1664
Ion Ratio Lower Upper
178 100
176 10.2 15.3 22.9
179 8.1 12.0 18.0

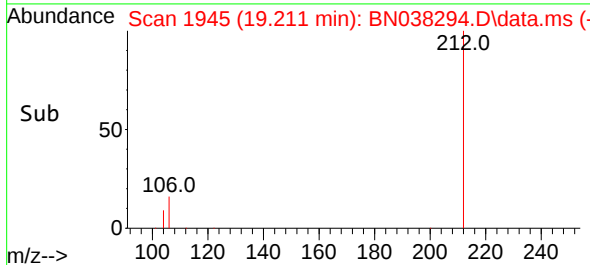
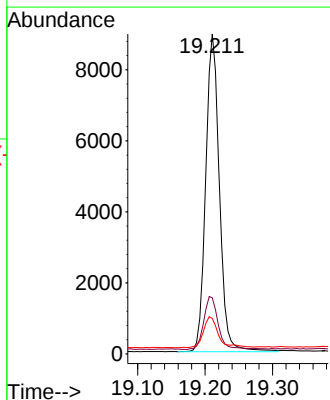
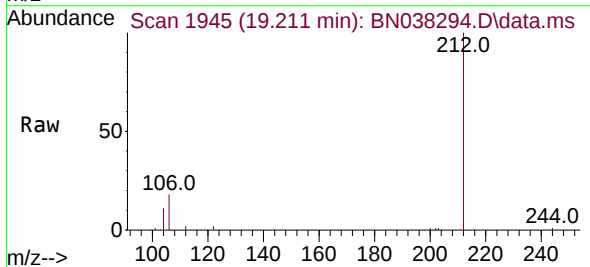
Manual Integrations
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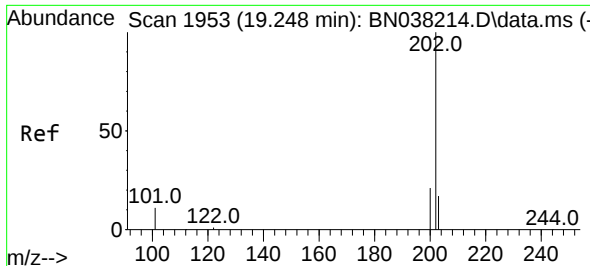
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.211 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

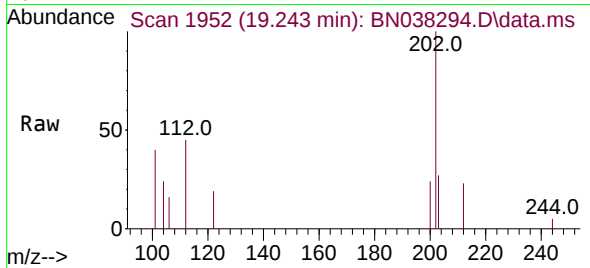
Tgt Ion:212 Resp: 12616
Ion Ratio Lower Upper
212 100
106 17.7 12.7 19.1
104 10.7 7.3 10.9





#28
Fluoranthene
Concen: 0.027 ng
RT: 19.243 min Scan# 1952
Delta R.T. -0.005 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

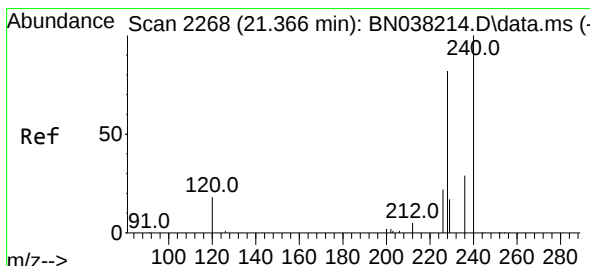
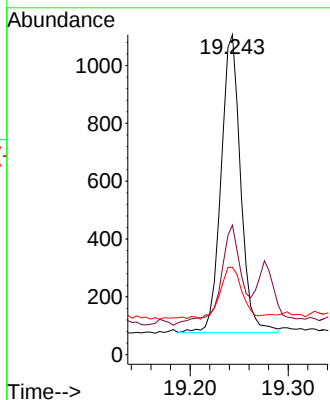
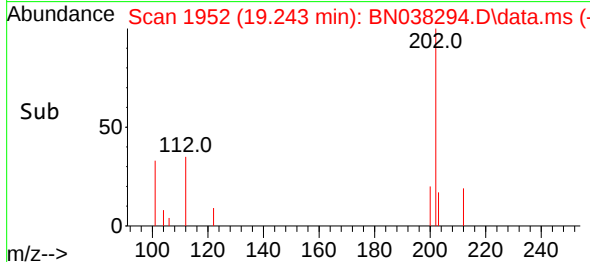
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



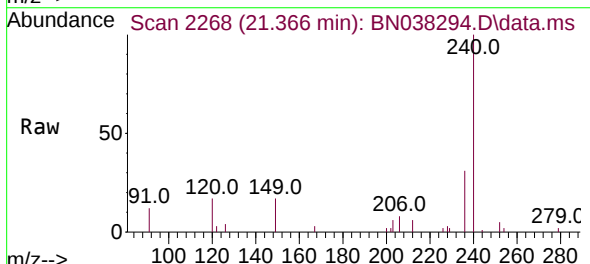
Tgt Ion:202 Resp: 1431
Ion Ratio Lower Upper
202 100
101 36.2 9.8 14.6
203 19.5 13.6 20.4

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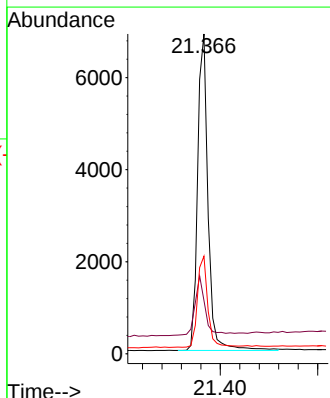
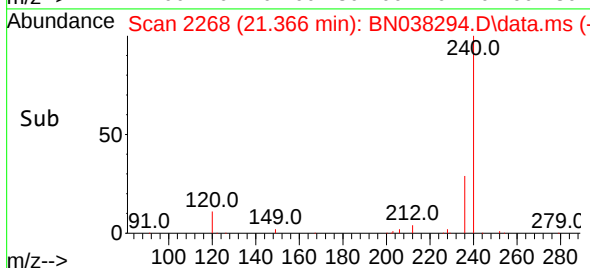
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025

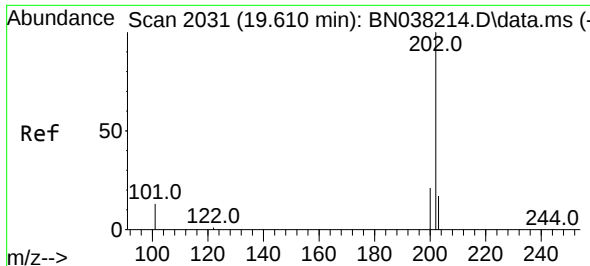


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.366 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58



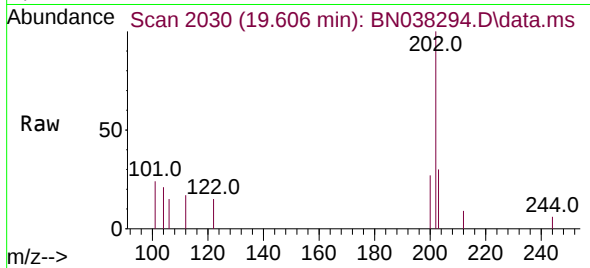
Tgt Ion:240 Resp: 10242
Ion Ratio Lower Upper
240 100
120 16.7 18.1 27.1
236 30.5 24.2 36.4





#30
Pyrene
Concen: 0.026 ng
RT: 19.606 min Scan# 2031
Delta R.T. -0.005 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

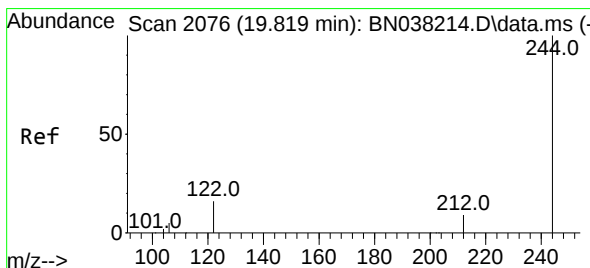
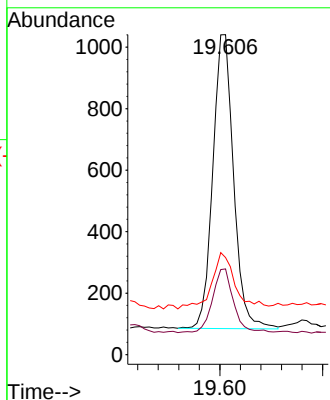
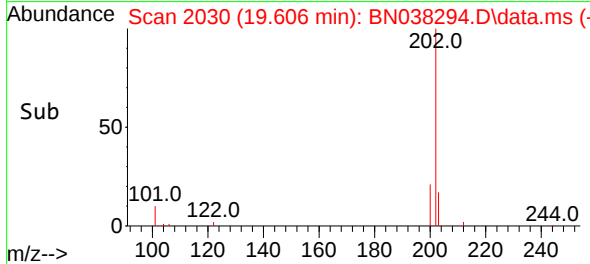
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



Tgt Ion:202 Resp: 1342
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 21.5 14.4 21.6

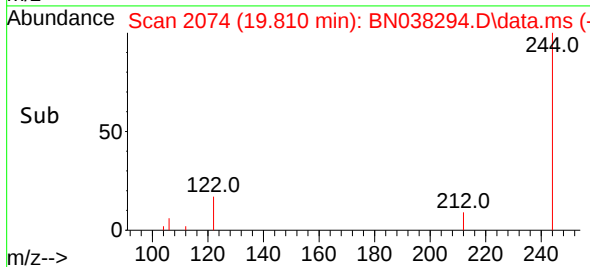
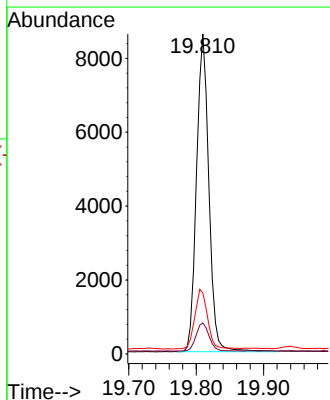
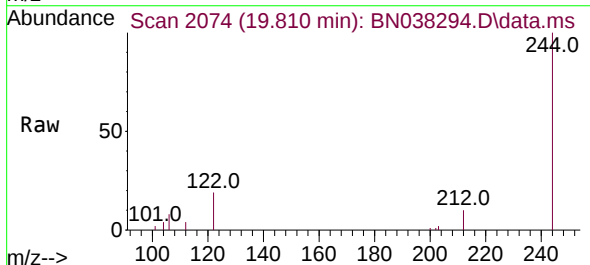
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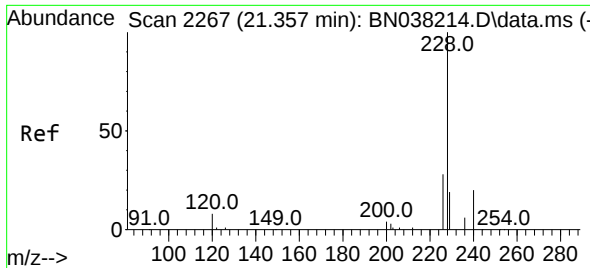
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#31
Terphenyl-d14
Concen: 0.462 ng
RT: 19.810 min Scan# 2074
Delta R.T. -0.009 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

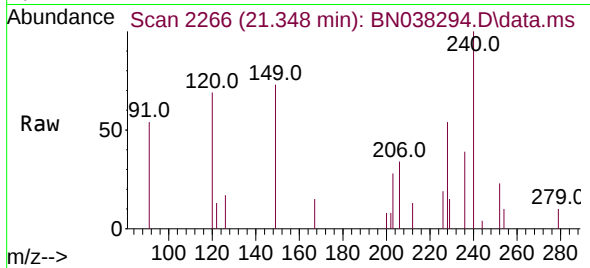
Tgt Ion:244 Resp: 10938
Ion Ratio Lower Upper
244 100
212 9.7 7.7 11.5
122 19.0 13.6 20.4





#32
Benzo(a)anthracene
Concen: 0.031 ng
RT: 21.348 min Scan# 2266
Delta R.T. -0.009 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

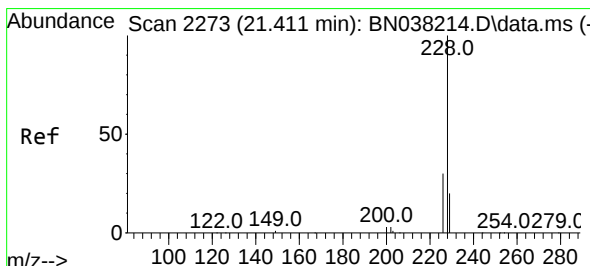
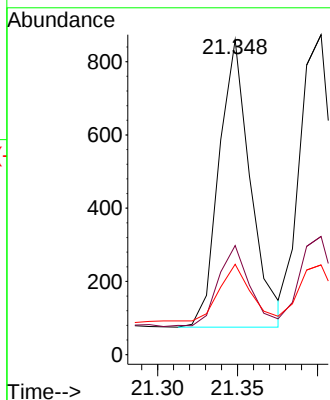
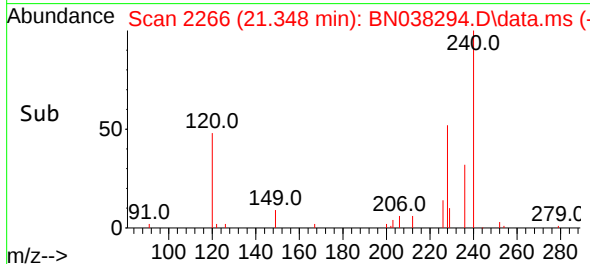
Instrument : BNA_N
ClientSampleId : MW-13B-47.5-120225



Tgt Ion:228 Resp: 1081
Ion Ratio Lower Upper
228 100
226 34.7 22.6 33.8#
229 28.7 15.8 23.8#

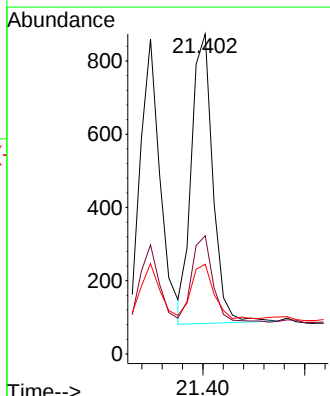
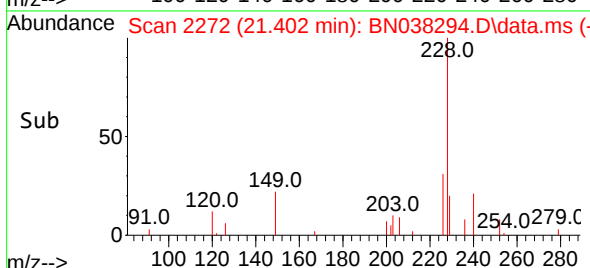
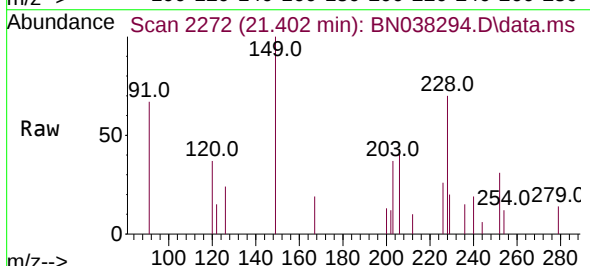
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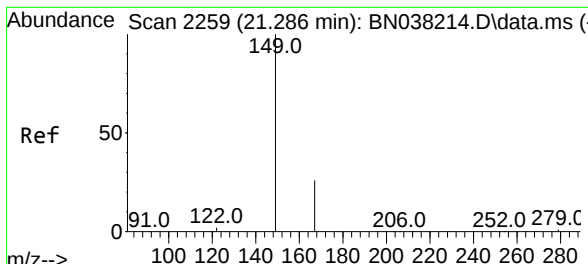
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#33
Chrysene
Concen: 0.028 ng
RT: 21.402 min Scan# 2272
Delta R.T. -0.009 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

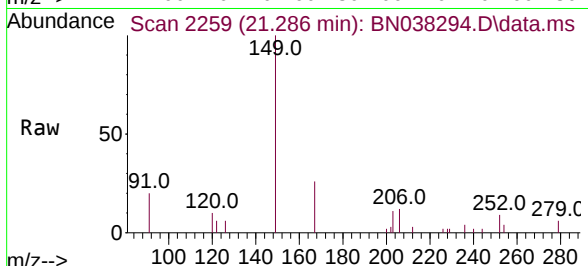
Tgt Ion:228 Resp: 1156
Ion Ratio Lower Upper
228 100
226 37.0 23.8 35.8#
229 28.0 16.1 24.1#





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.215 ng
 RT: 21.286 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BN038294.D
 Acq: 06 Dec 2025 03:58

Instrument :
 BNA_N
 ClientSampleId :
 MW-13B-47.5-120225

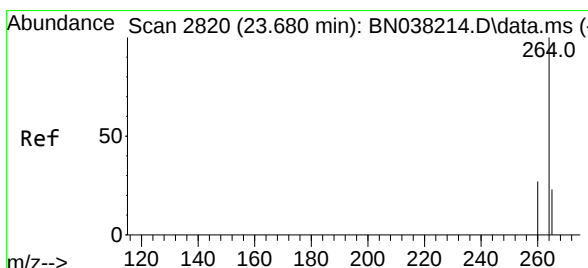
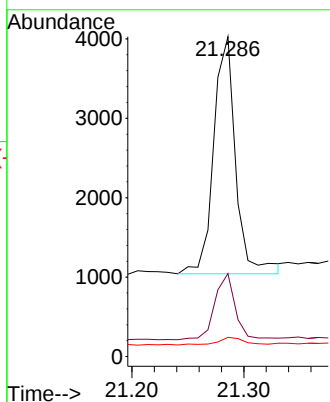
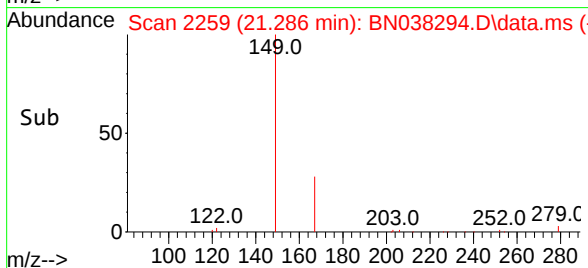


Tgt Ion: 149 Resp: 4084

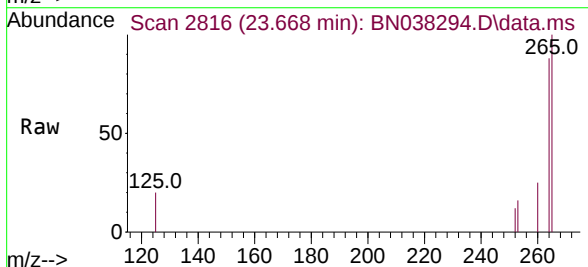
Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.7	31.1
279	4.0	2.5	3.7

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 Supervised By :mohammad ahmed 12/09/2025

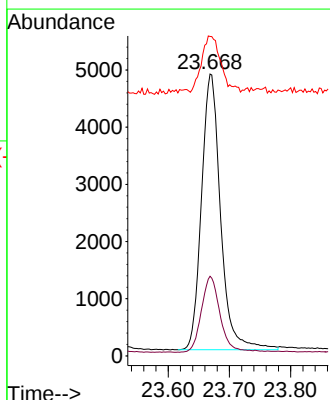
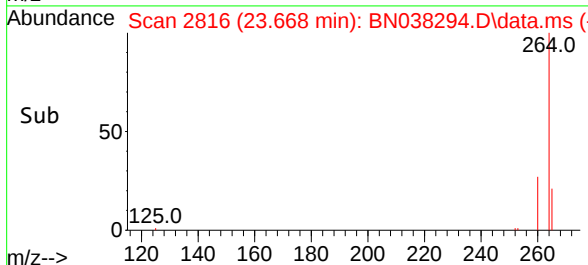


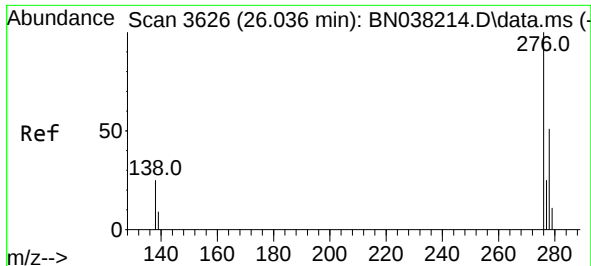
#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.668 min Scan# 2816
 Delta R.T. -0.012 min
 Lab File: BN038294.D
 Acq: 06 Dec 2025 03:58



Tgt Ion: 264 Resp: 10445

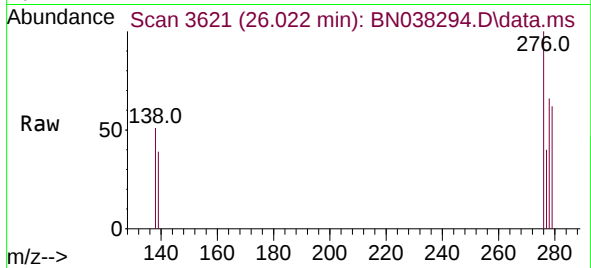
Ion	Ratio	Lower	Upper
264	100		
260	28.2	21.7	32.5
265	113.3	98.0	147.0





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.031 ng
RT: 26.022 min Scan# 3626
Delta R.T. -0.015 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

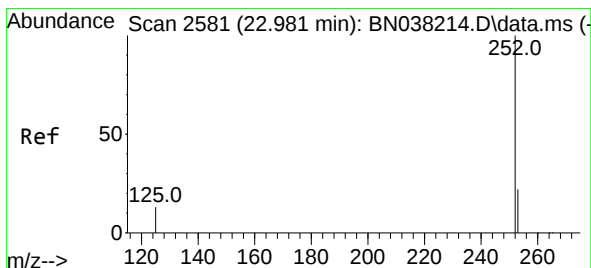
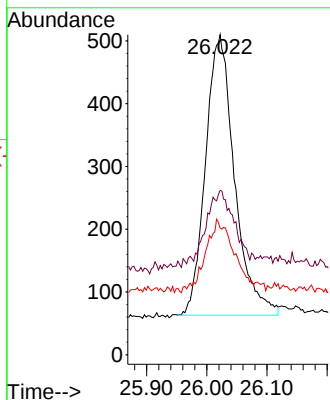
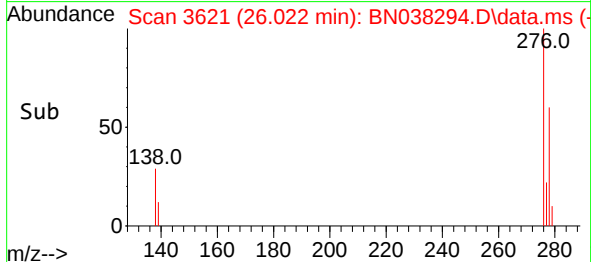
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



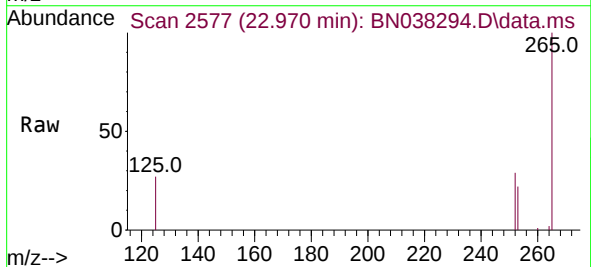
Tgt Ion:276 Resp: 1497
Ion Ratio Lower Upper
276 100
138 24.0 21.4 32.2
277 25.7 19.1 28.7

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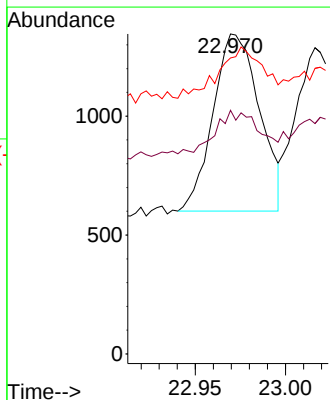
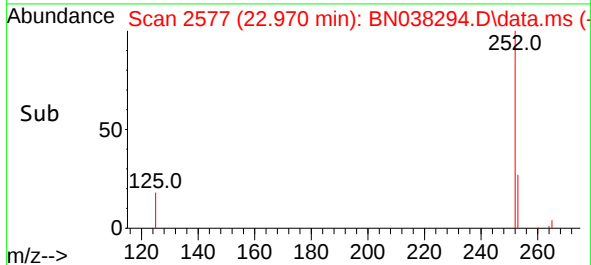
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025

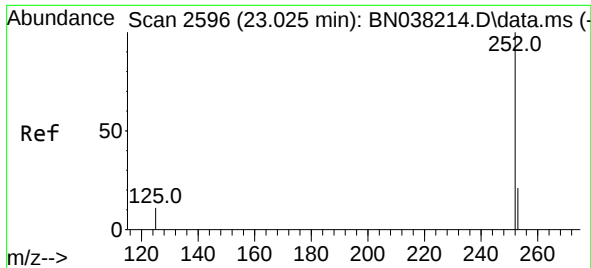


#37
Benzo(b)fluoranthene
Concen: 0.031 ng
RT: 22.970 min Scan# 2577
Delta R.T. -0.012 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58



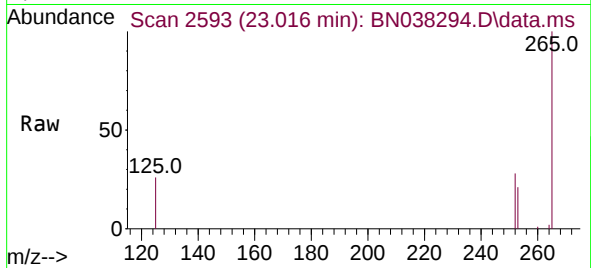
Tgt Ion:252 Resp: 1334
Ion Ratio Lower Upper
252 100
253 76.2 22.2 33.4#
125 92.5 18.0 27.0#





#38
Benzo(k)fluoranthene
Concen: 0.026 ng
RT: 23.016 min Scan# 2593
Delta R.T. -0.009 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

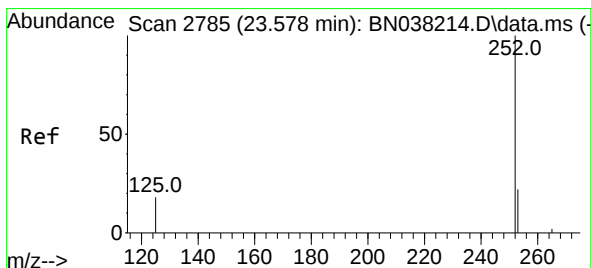
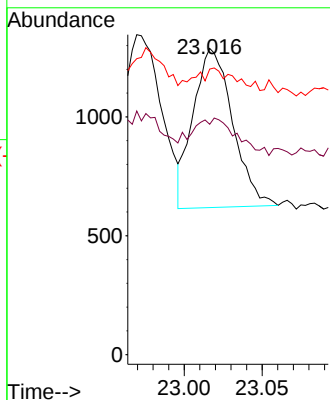
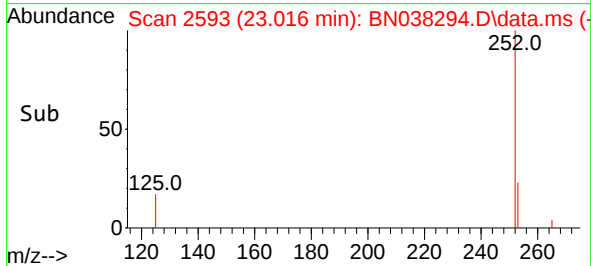
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



Tgt Ion:252 Resp: 1179
Ion Ratio Lower Upper
252 100
253 75.2 22.4 33.6#
125 93.2 17.5 26.3#

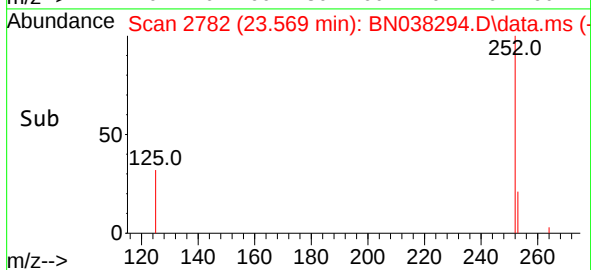
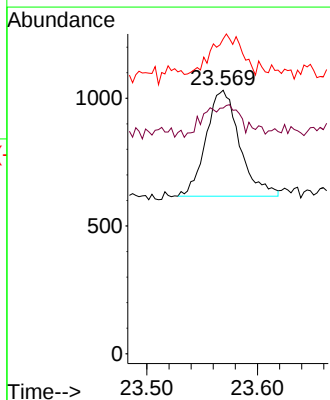
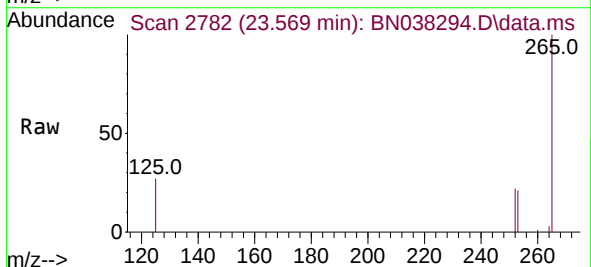
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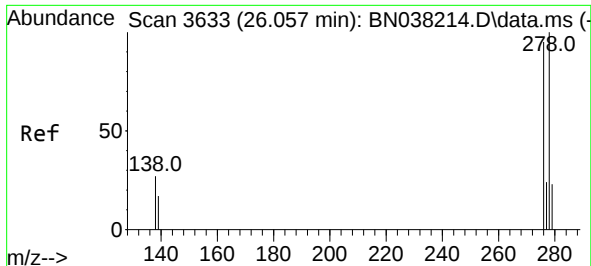
Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#39
Benzo(a)pyrene
Concen: 0.024 ng
RT: 23.569 min Scan# 2782
Delta R.T. -0.009 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

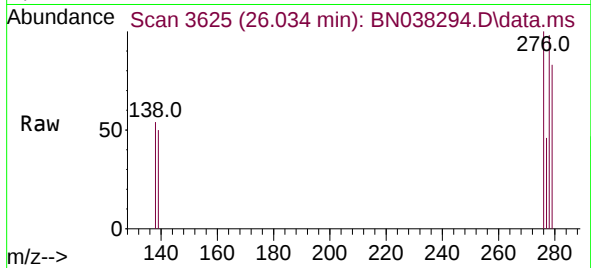
Tgt Ion:252 Resp: 876
Ion Ratio Lower Upper
252 100
253 93.3 25.3 37.9#
125 119.5 25.2 37.8#





#40
Dibenzo(a,h)anthracene
Concen: 0.030 ng
RT: 26.034 min Scan# 3625
Delta R.T. -0.023 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58

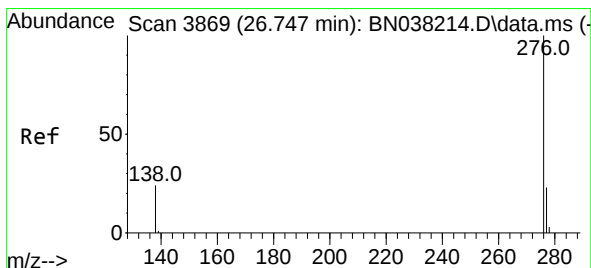
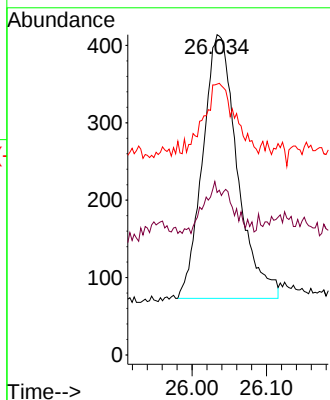
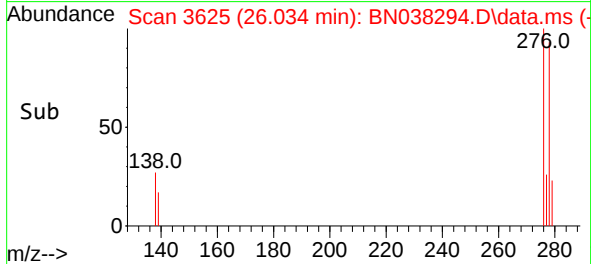
Instrument :
BNA_N
ClientSampleId :
MW-13B-47.5-120225



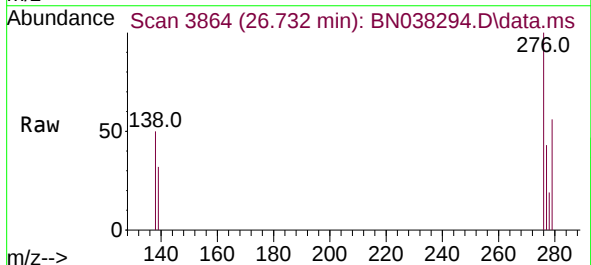
Tgt Ion:278 Resp: 1101
Ion Ratio Lower Upper
278 100
139 50.7 17.6 26.4#
279 84.5 24.2 36.4#

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Reviewed By :Jagrut Upadhyay 12/08/2025
Supervised By :mohammad ahmed 12/09/2025



#41
Benzo(g,h,i)perylene
Concen: 0.031 ng
RT: 26.732 min Scan# 3864
Delta R.T. -0.015 min
Lab File: BN038294.D
Acq: 06 Dec 2025 03:58



Tgt Ion:276 Resp: 1358
Ion Ratio Lower Upper
276 100
277 43.5 20.2 30.2#
138 49.8 20.8 31.2#

