

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038149.D
 Acq On : 07 Nov 2025 10:52
 Operator : RC/JU
 Sample : Q3534-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-6

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

Quant Time: Nov 07 11:15:31 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	7.775	152	10192	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	31652	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	28745	0.400	ng	0.00
19) Phenanthrene-d10	17.186	188	36418	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	24102	0.400	ng	# 0.00
35) Perylene-d12	23.680	264	20067	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.348	112	5382	0.224	ng	0.00
5) Phenol-d6	6.937	99	3656	0.125	ng	0.00
8) Nitrobenzene-d5	8.929	82	8623	0.338	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	13702m	0.303	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4308	0.364	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	27151	0.236	ng	0.00
27) Fluoranthene-d10	19.220	212	33915	0.369	ng	0.00
31) Terphenyl-d14	19.819	244	27365	0.523	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	148894	14.139	ng	98
9) Naphthalene	10.626	128	17492	0.201	ng	# 92
12) 2-Methylnaphthalene	12.248	142	91422	1.573	ng	100
16) Acenaphthylene	14.152	152	3724	0.029	ng	# 83
17) Acenaphthene	14.494	154	58144	0.638	ng	98
18) Fluorene	15.489	166	67952	0.569	ng	# 94
24) Pentachlorophenol	16.838	266	2835	0.242	ng	99
25) Phenanthrene	17.223	178	71457	0.618	ng	99
26) Anthracene	17.310	178	17631m	0.174	ng	
28) Fluoranthene	19.248	202	15796	0.122	ng	# 86
30) Pyrene	19.610	202	12169	0.112	ng	# 80
32) Benzo(a)anthracene	21.357	228	6339	0.074	ng	# 80
33) Chrysene	21.411	228	4095	0.044	ng	# 67
34) Bis(2-ethylhexyl)phtha...	21.295	149	16812	0.371	ng	# 90
36) Indeno(1,2,3-cd)pyrene	26.034	276	4958	0.060	ng	99
40) Dibenzo(a,h)anthracene	26.051	278	4107	0.065	ng	# 67
41) Benzo(g,h,i)perylene	26.750	276	4286	0.059	ng	# 83

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

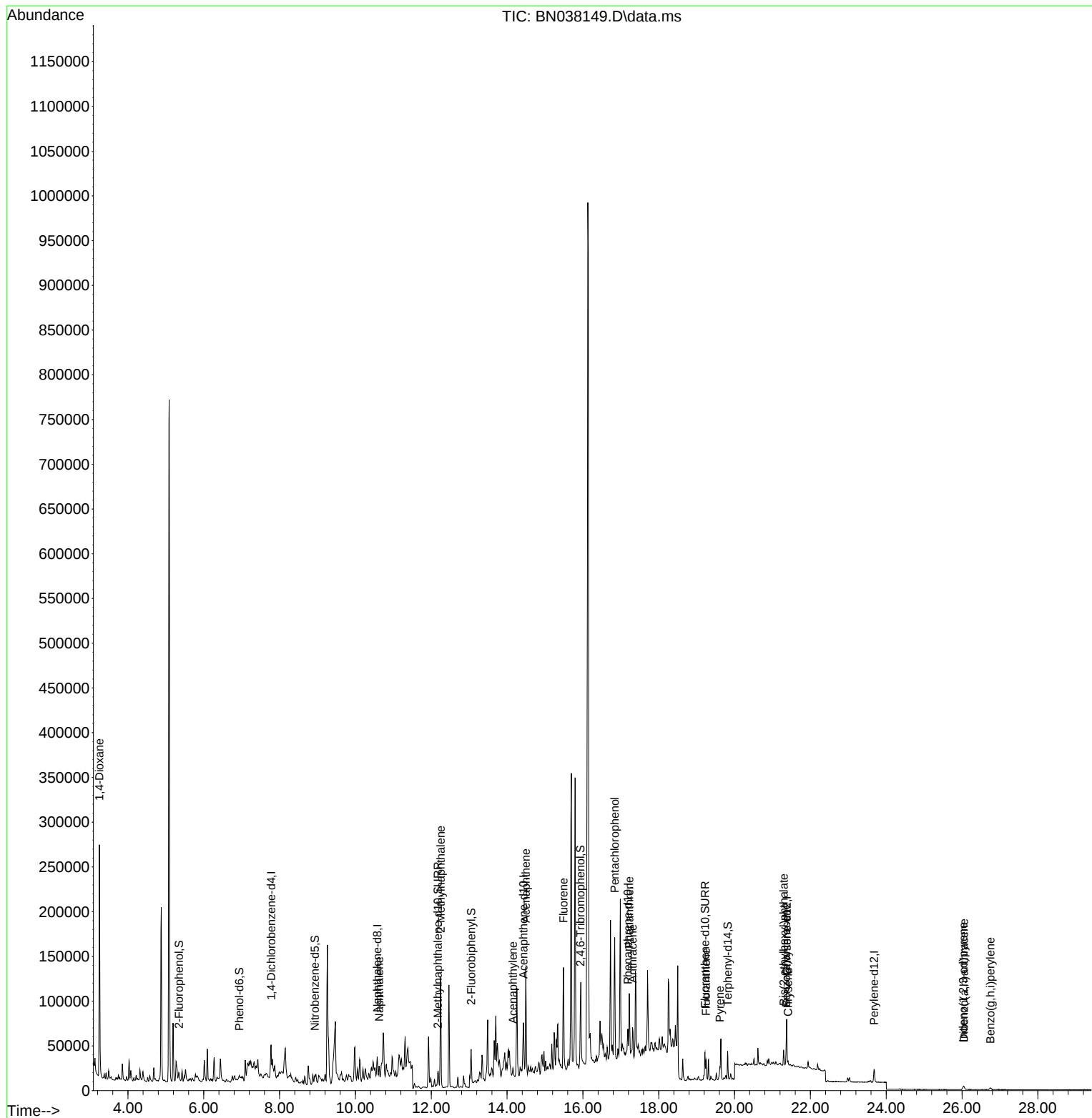
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038149.D
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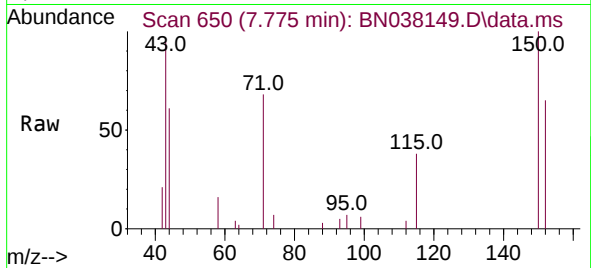
Quant Time: Nov 07 11:15:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.775 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: BN038149.D
 Acq: 07 Nov 2025 10:52

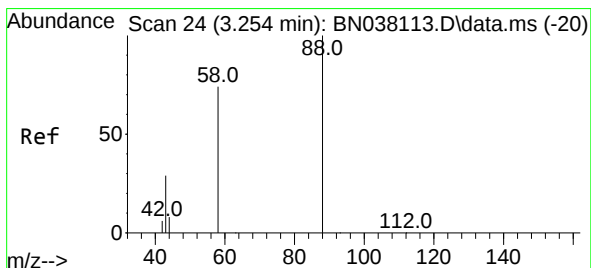
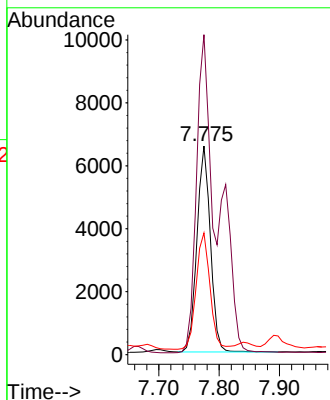
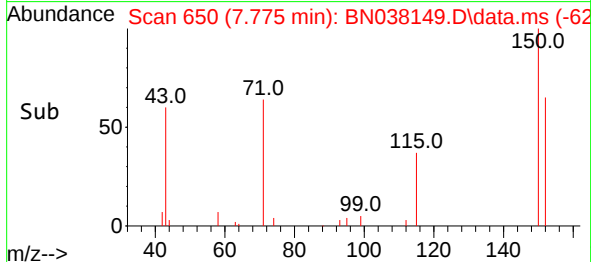
Instrument :
 BNA_N
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 MW-6



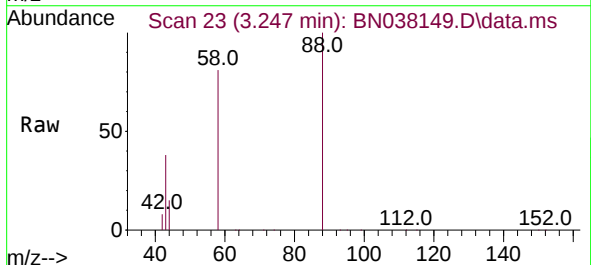
Tgt Ion: 152 Resp: 10192
 Ion Ratio Lower Upper
 152 100
 150 153.4 122.3 183.5
 115 58.3 47.4 71.0

Manual Integrations
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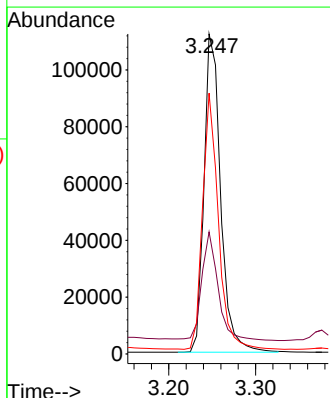
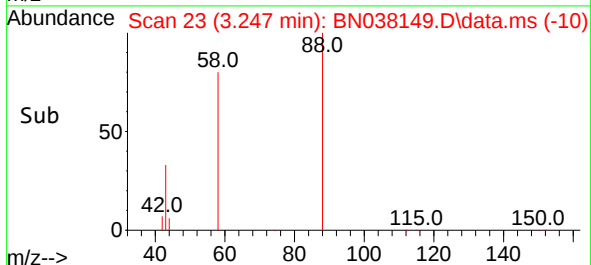
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

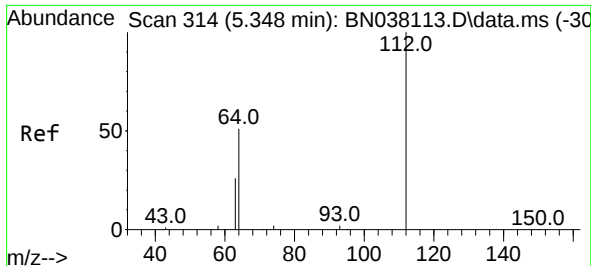


#2
 1,4-Dioxane
 Concen: 14.139 ng
 RT: 3.247 min Scan# 23
 Delta R.T. -0.007 min
 Lab File: BN038149.D
 Acq: 07 Nov 2025 10:52



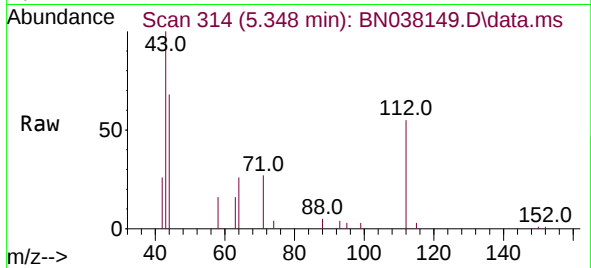
Tgt Ion: 88 Resp: 148894
 Ion Ratio Lower Upper
 88 100
 43 33.4 24.3 36.5
 58 75.6 60.4 90.6





#4
2-Fluorophenol
Concen: 0.224 ng
RT: 5.348 min Scan# 314
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

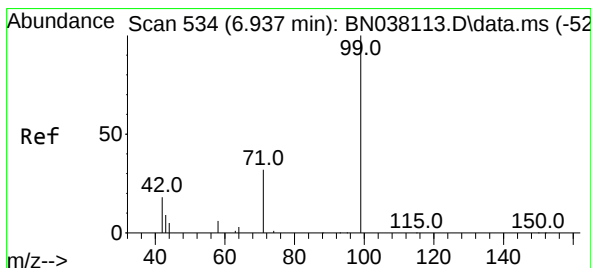
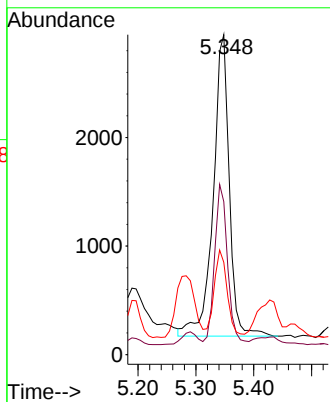
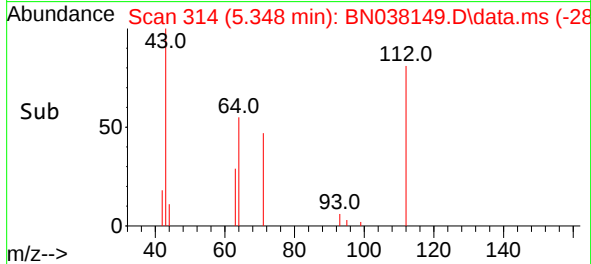
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:112 Resp: 5382
Ion Ratio Lower Upper
112 100
64 42.9 45.4 68.0#
63 21.6 23.2 34.8#

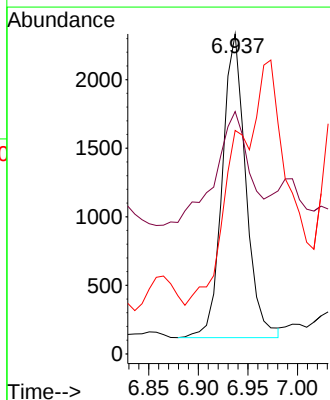
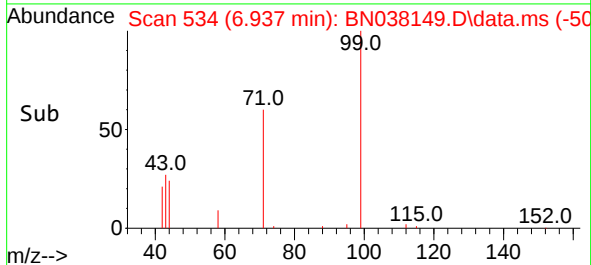
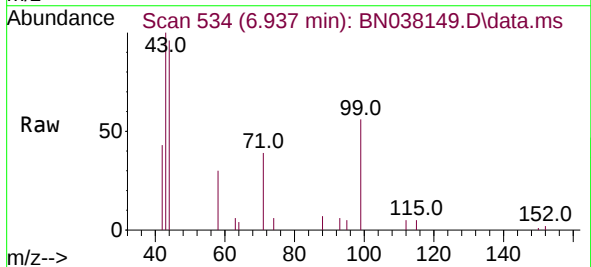
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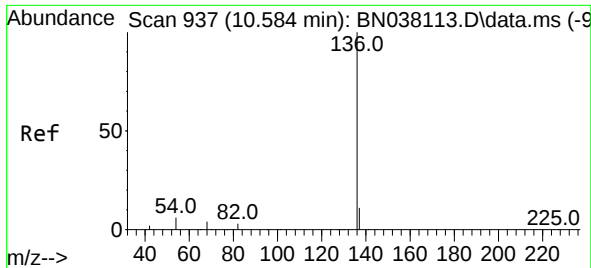
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
Phenol-d6
Concen: 0.125 ng
RT: 6.937 min Scan# 534
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Tgt Ion: 99 Resp: 3656
Ion Ratio Lower Upper
99 100
42 54.3 16.6 24.8#
71 0.0 25.4 38.2#





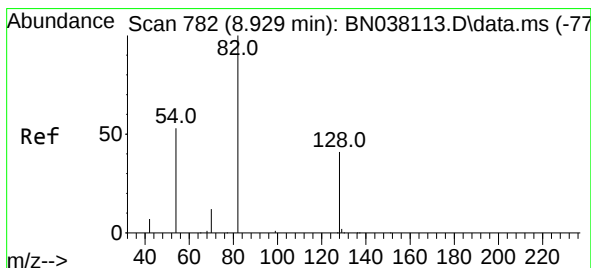
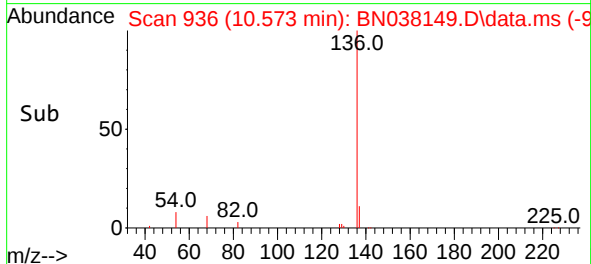
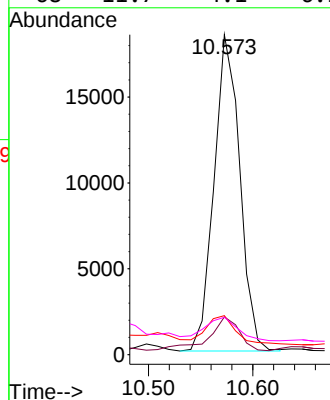
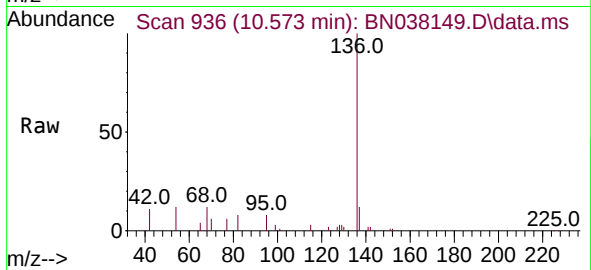
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Instrument :
BNA_N
ClientSampleId :
MW-6

Tgt Ion:	136	Resp:	31652
Ion Ratio	Lower	Upper	
136	100		
137	11.8	9.0	13.4
54	12.2	5.2	7.8
68	11.7	4.1	6.1

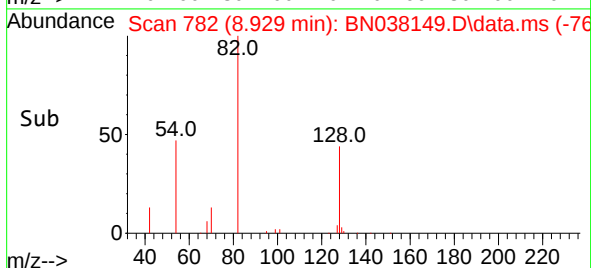
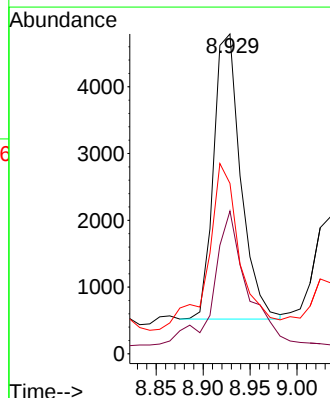
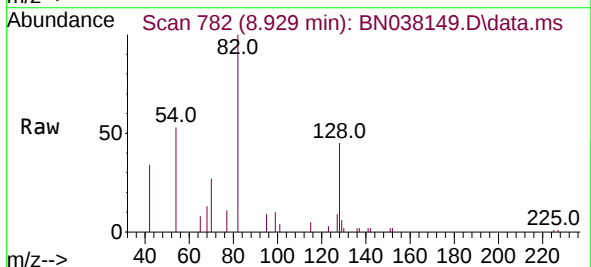
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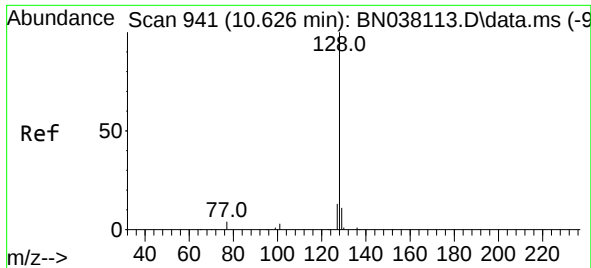
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.338 ng
RT: 8.929 min Scan# 782
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

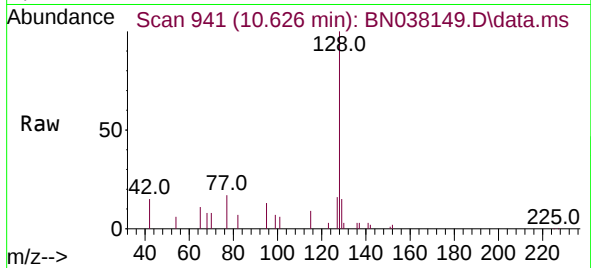
Tgt Ion:	82	Resp:	8623
Ion Ratio	Lower	Upper	
82	100		
128	44.6	34.1	51.1
54	53.3	43.5	65.3





#9
Naphthalene
Concen: 0.201 ng
RT: 10.626 min Scan# 941
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

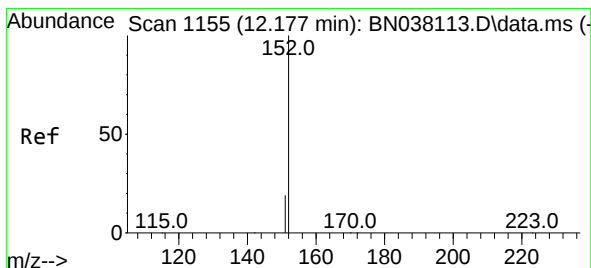
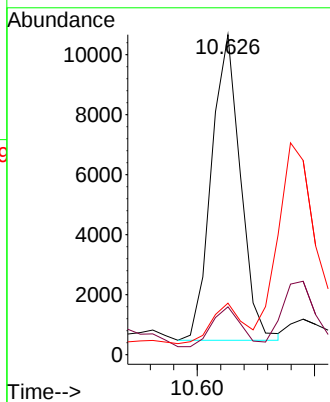
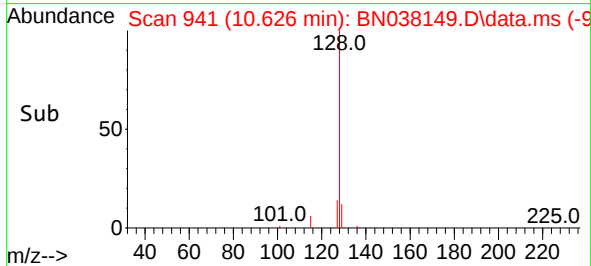
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:128 Resp: 17492
Ion Ratio Lower Upper
128 100
129 14.9 9.1 13.7
127 16.1 10.5 15.7

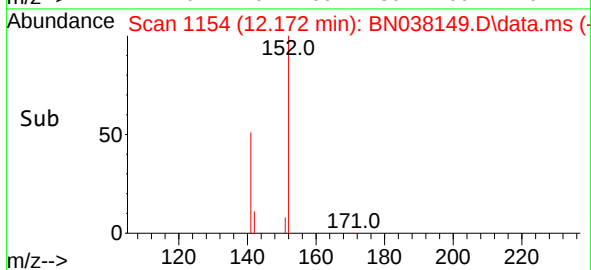
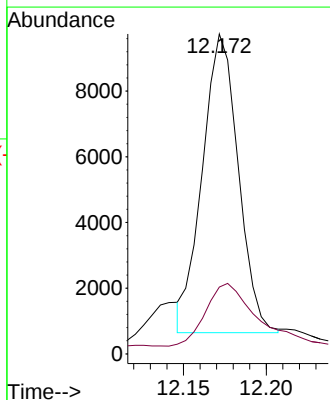
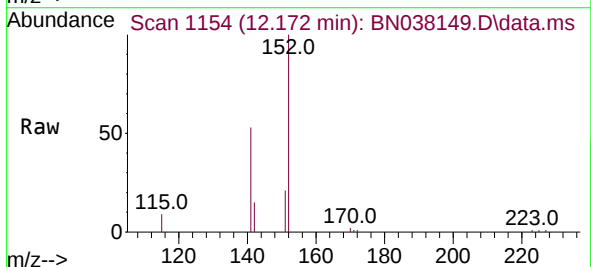
Manual Integrations
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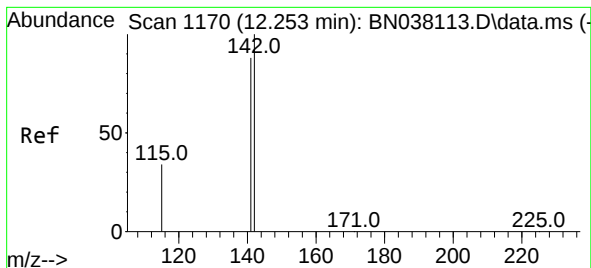
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.303 ng m
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

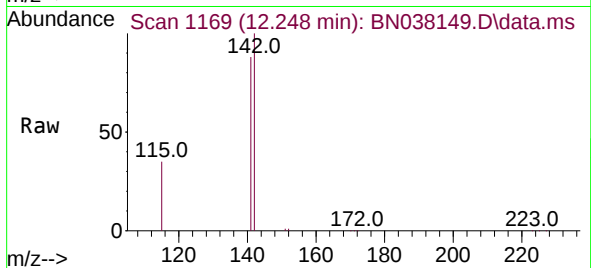
Tgt Ion:152 Resp: 13702
Ion Ratio Lower Upper
152 100
151 31.1 16.8 25.2#





#12
2-Methylnaphthalene
Concen: 1.573 ng
RT: 12.248 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

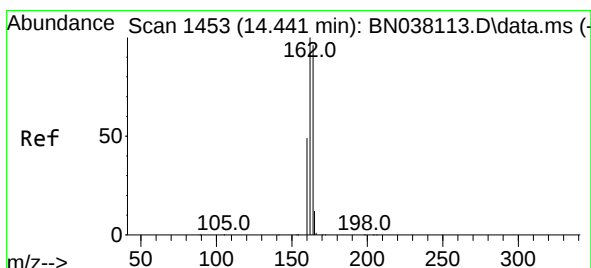
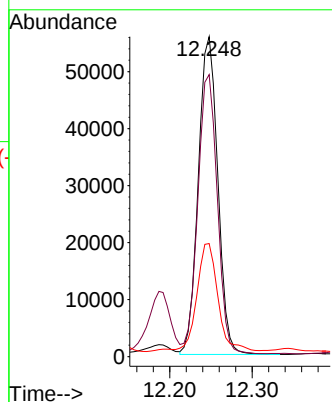
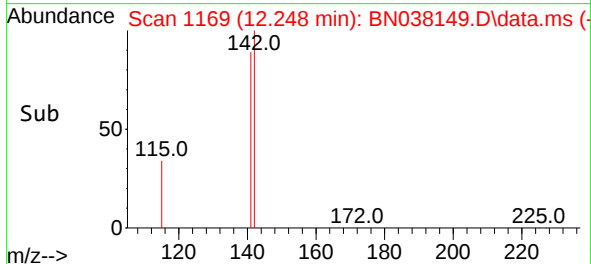
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:142 Resp: 91422
Ion Ratio Lower Upper
142 100
141 88.1 70.3 105.5
115 35.3 27.8 41.6

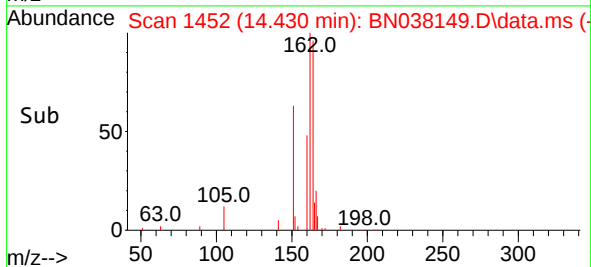
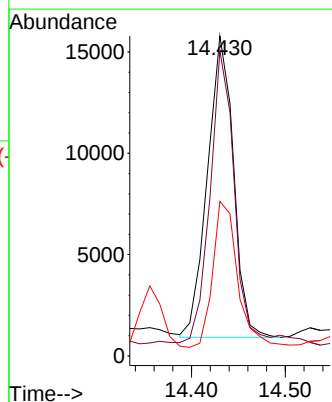
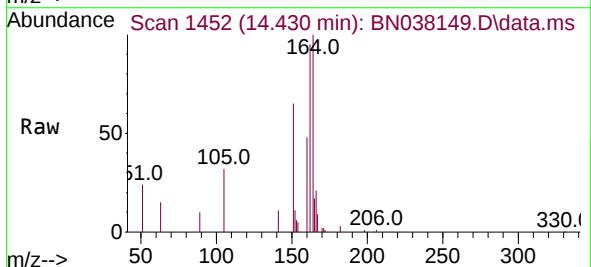
Manual Integrations
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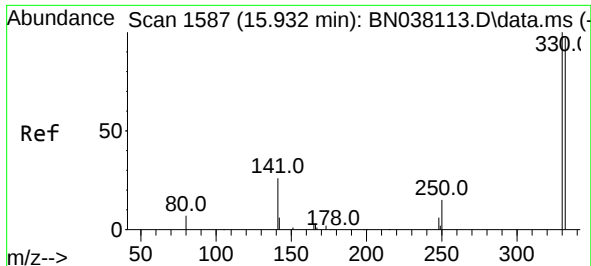
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

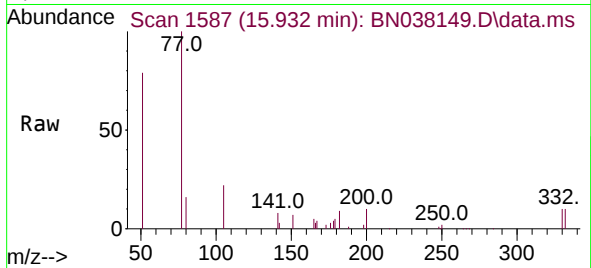
Tgt Ion:164 Resp: 28745
Ion Ratio Lower Upper
164 100
162 95.3 83.0 124.4
160 48.3 40.7 61.1





#14
2,4,6-Tribromophenol
Concen: 0.364 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

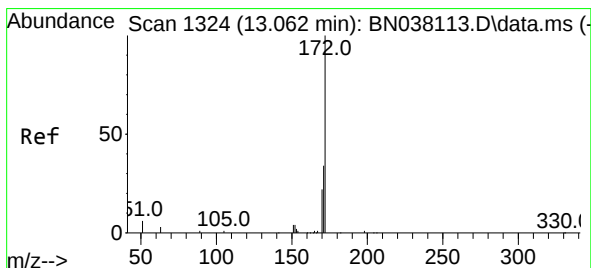
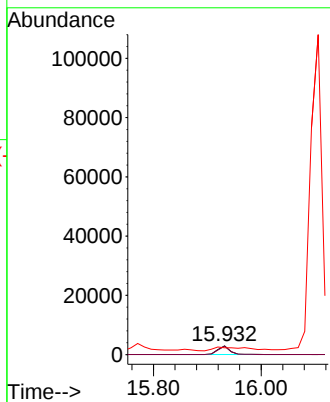
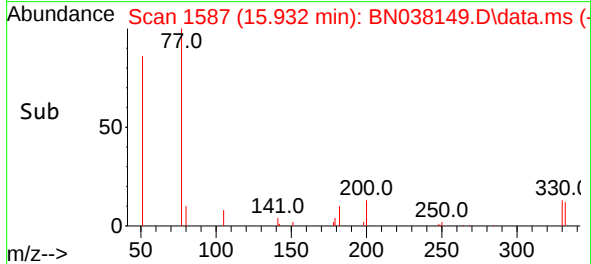
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ClientSampleId :
MW-6



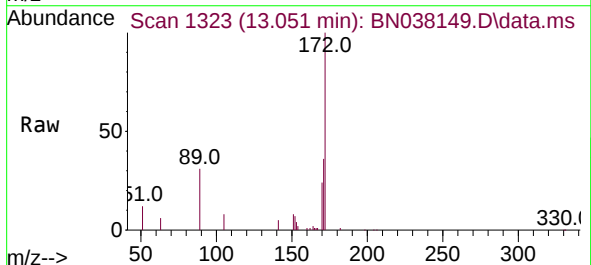
Tgt Ion: 330 Resp: 4308
Ion Ratio Lower Upper
330 100
332 95.5 76.6 114.8
141 134.6 34.1 51.1

Manual Integrations
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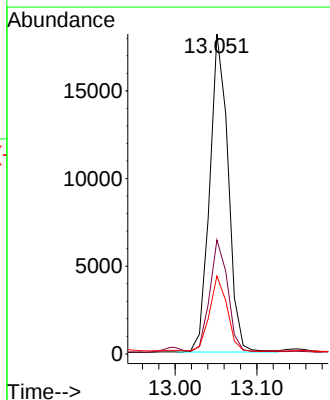
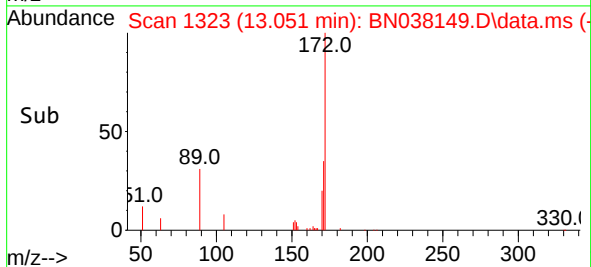
Reviewed By :Rahul Chavli 11/10/2025
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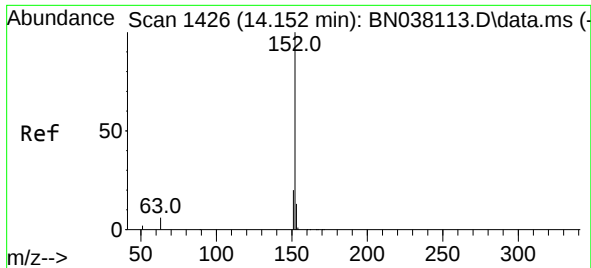


#15
2-Fluorobiphenyl
Concen: 0.236 ng
RT: 13.051 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52



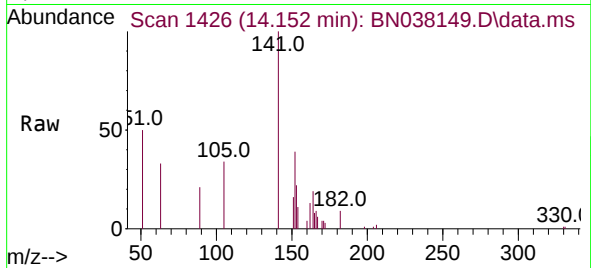
Tgt Ion: 172 Resp: 27151
Ion Ratio Lower Upper
172 100
171 35.6 27.8 41.6
170 24.3 18.1 27.1





#16
Acenaphthylene
Concen: 0.029 ng
RT: 14.152 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

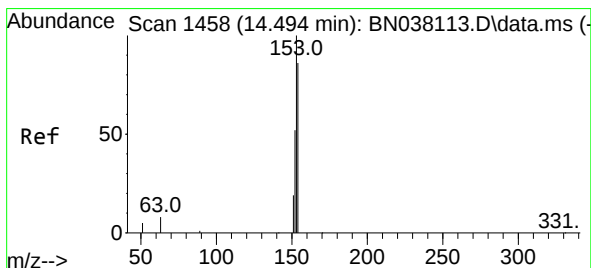
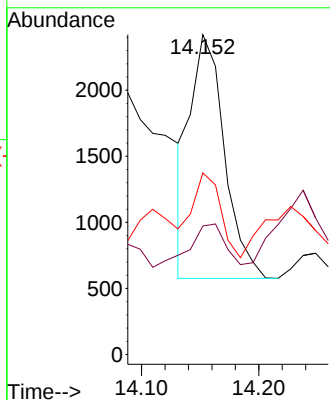
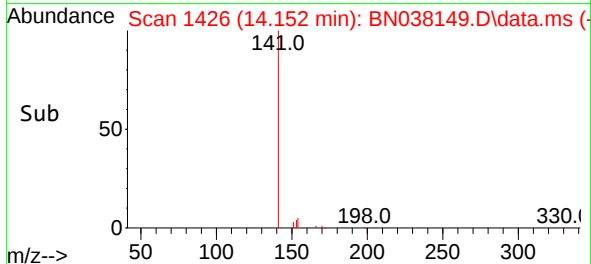
Instrument :
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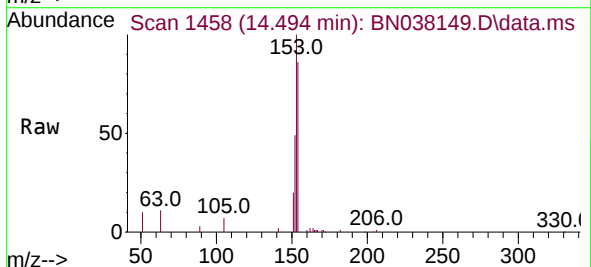
Tgt Ion:152 Resp: 3724
Ion Ratio Lower Upper
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151 18.4 15.8 23.8
153 28.5 10.2 15.2

Manual Integrations
APPROVED

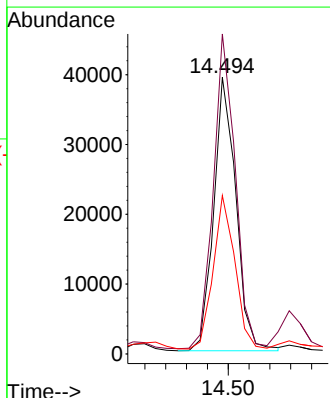
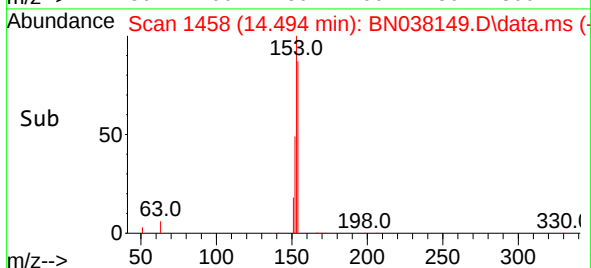
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

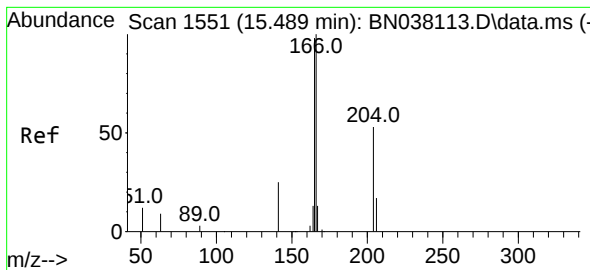


#17
Acenaphthene
Concen: 0.638 ng
RT: 14.494 min Scan# 1458
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52



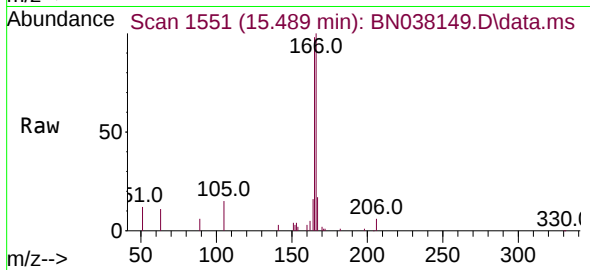
Tgt Ion:154 Resp: 58144
Ion Ratio Lower Upper
154 100
153 112.8 90.0 135.0
152 55.0 47.3 70.9





#18
Fluorene
Concen: 0.569 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

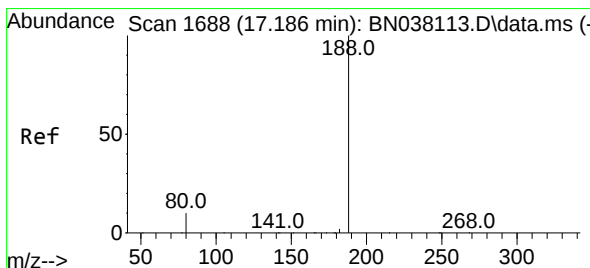
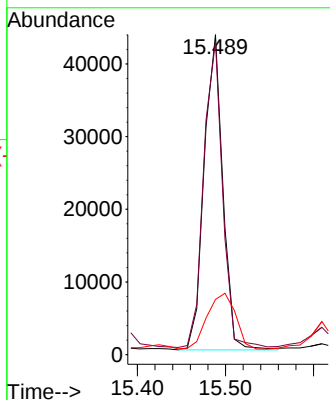
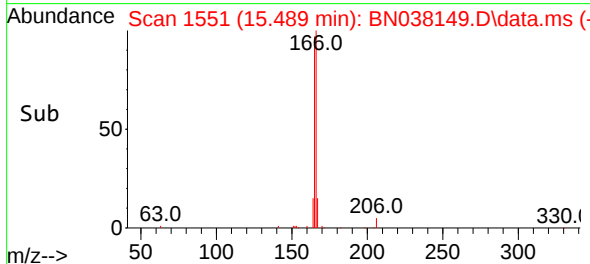
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:166 Resp: 67952
Ion Ratio Lower Upper
166 100
165 96.4 79.0 118.4
167 25.8 10.7 16.1

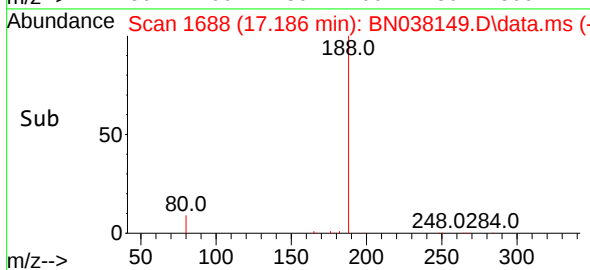
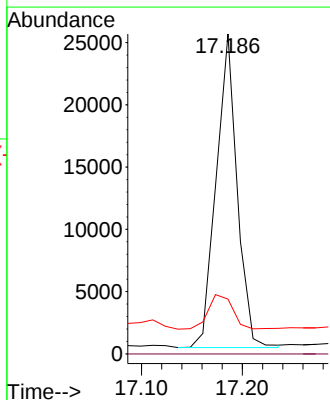
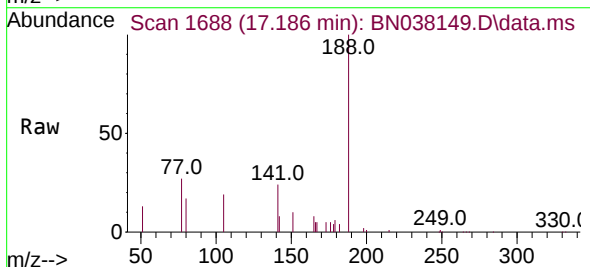
Manual Integrations
APPROVED

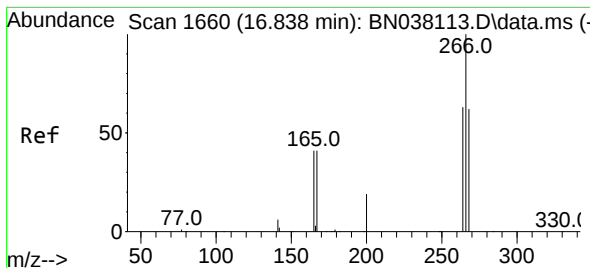
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

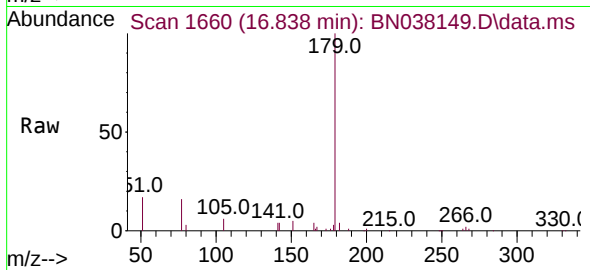
Tgt Ion:188 Resp: 36418
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.1 8.6 13.0





#24
Pentachlorophenol
Concen: 0.242 ng
RT: 16.838 min Scan# 1660
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

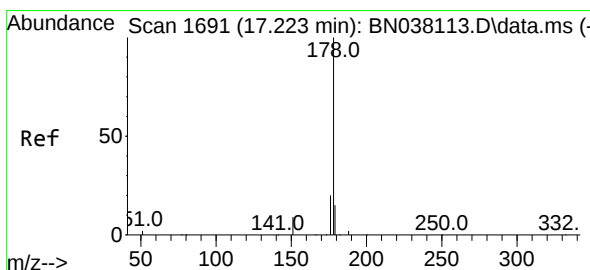
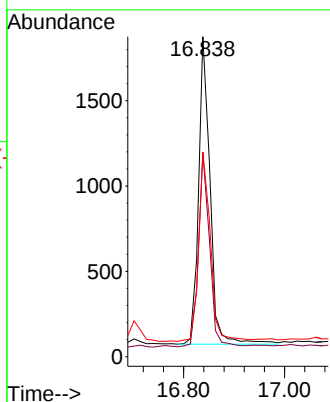
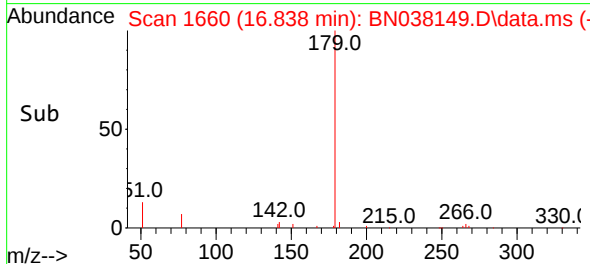
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:266 Resp: 2835
Ion Ratio Lower Upper
266 100
264 60.7 49.3 73.9
268 62.8 50.6 75.8

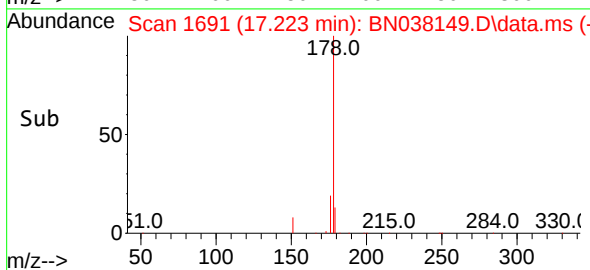
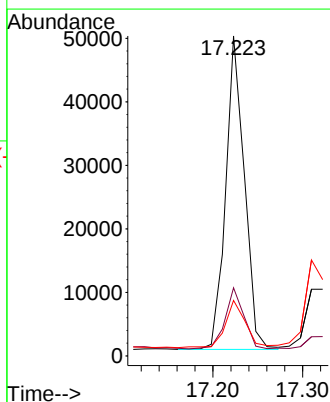
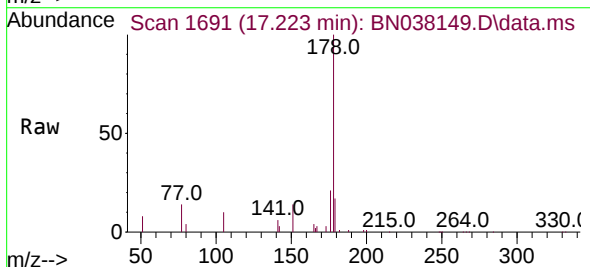
Manual Integrations
APPROVED

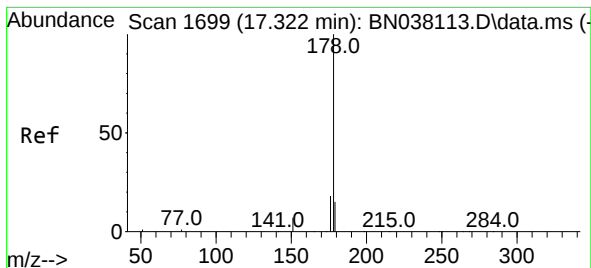
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#25
Phenanthrene
Concen: 0.618 ng
RT: 17.223 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

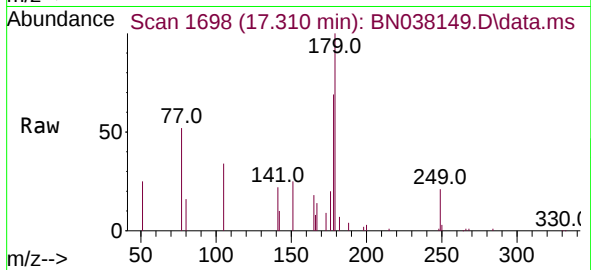
Tgt Ion:178 Resp: 71457
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 16.1 12.2 18.4





#26
 Anthracene
 Concen: 0.174 ng m
 RT: 17.310 min Scan# 1698
 Delta R.T. -0.013 min
 Lab File: BN038149.D
 Acq: 07 Nov 2025 10:52

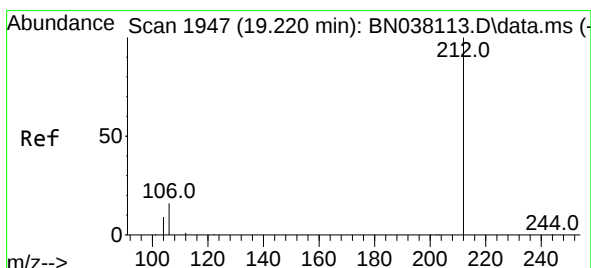
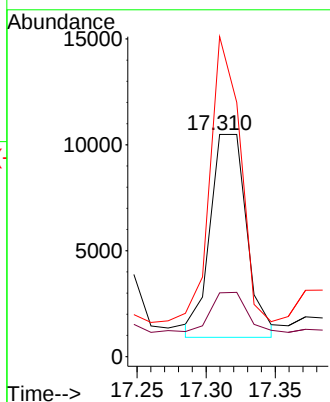
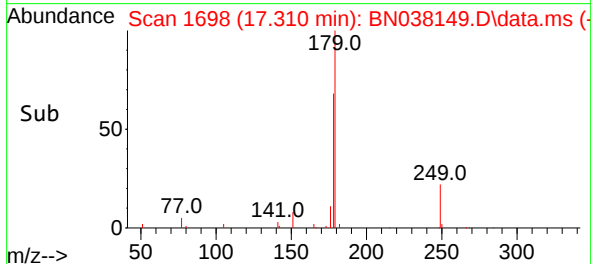
Instrument :
 BNA_N
 ClientSampleId :
 MW-6



Tgt Ion:178 Resp: 17631
 Ion Ratio Lower Upper
 178 100
 176 79.9 14.9 22.3
 179 65.3 11.8 17.8

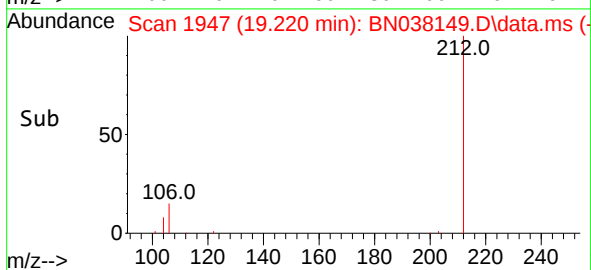
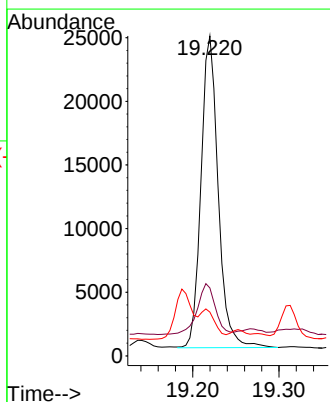
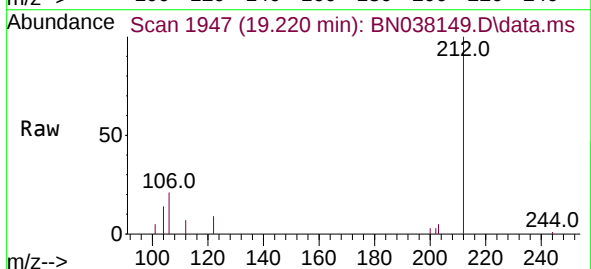
Manual Integrations
 APPROVED

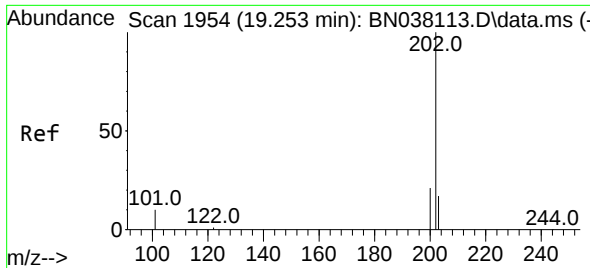
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



#27
 Fluoranthene-d10
 Concen: 0.369 ng
 RT: 19.220 min Scan# 1947
 Delta R.T. -0.000 min
 Lab File: BN038149.D
 Acq: 07 Nov 2025 10:52

Tgt Ion:212 Resp: 33915
 Ion Ratio Lower Upper
 212 100
 106 17.3 12.6 19.0
 104 6.7 7.1 10.7





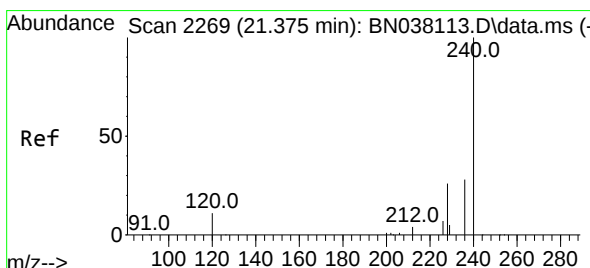
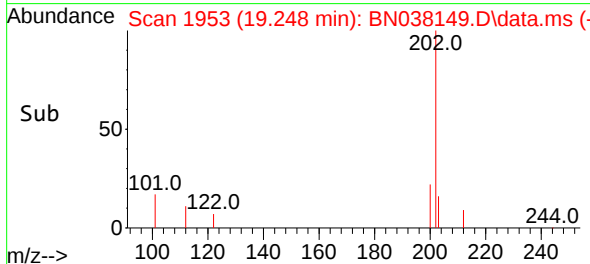
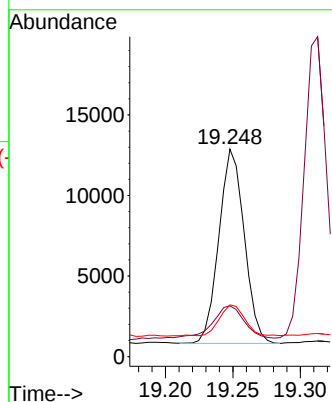
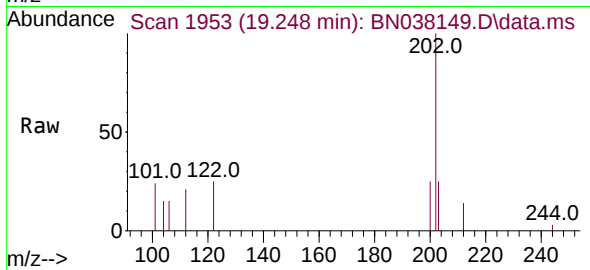
#28
Fluoranthene
Concen: 0.122 ng
RT: 19.248 min Scan# 1953
Delta R.T. -0.005 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Instrument :
BNA_N
ClientSampleId :
MW-6

Tgt Ion:202 Resp: 15796
Ion Ratio Lower Upper
202 100
101 23.6 9.4 14.2
203 15.4 13.4 20.2

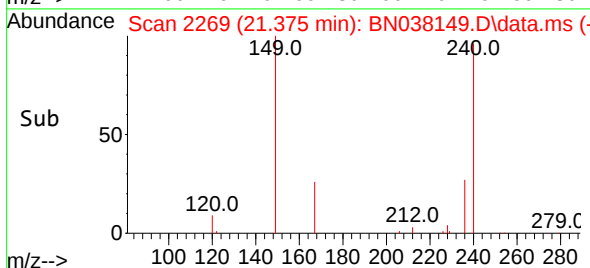
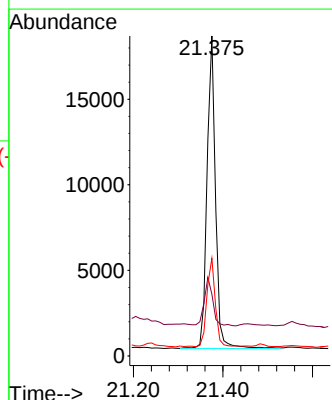
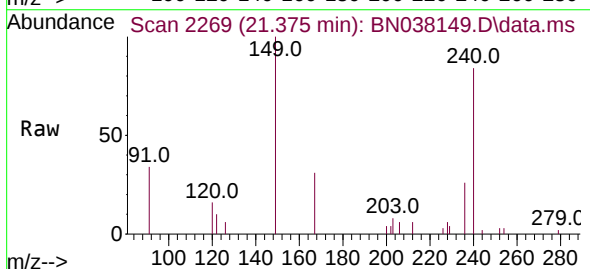
Manual Integrations
APPROVED

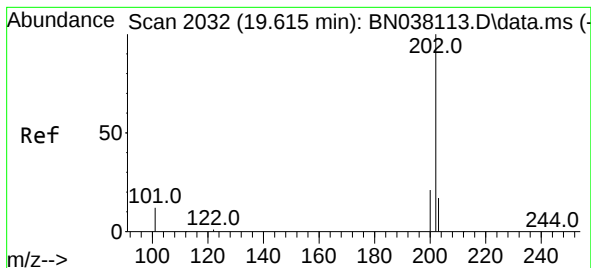
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.375 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

Tgt Ion:240 Resp: 24102
Ion Ratio Lower Upper
240 100
120 19.3 10.7 16.1
236 30.5 23.1 34.7





#30

Pyrene

Concen: 0.112 ng

RT: 19.610 min Scan# 2032

Delta R.T. -0.000 min

Lab File: BN038149.D

Acq: 07 Nov 2025 10:52

Instrument :

BNA_N

ClientSampleId :

MW-6

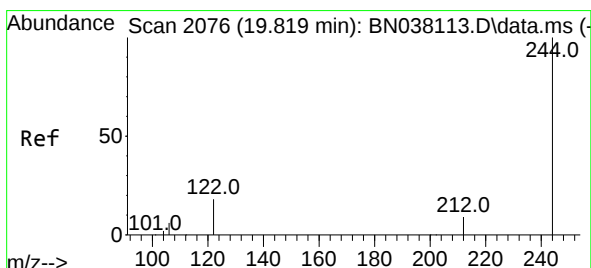
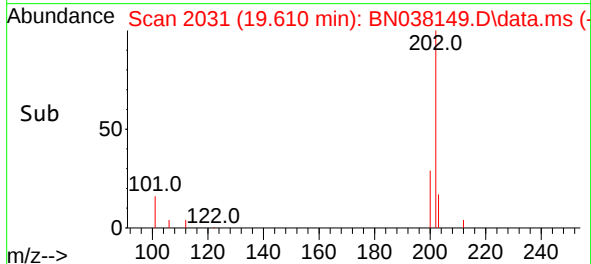
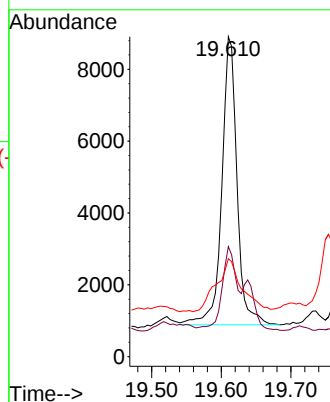
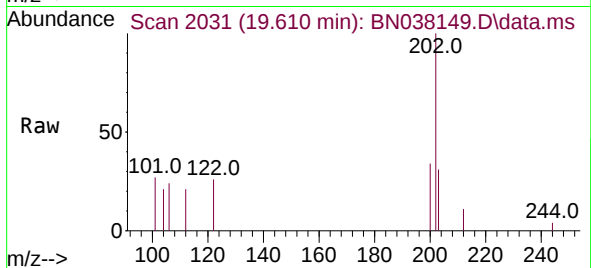
Tgt Ion:	202	Resp:	12169
Ion Ratio	Lower	Upper	
202	100		
200	26.0	16.7	25.1
203	30.8	14.2	21.2

Manual Integrations

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Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#31

Terphenyl-d14

Concen: 0.523 ng

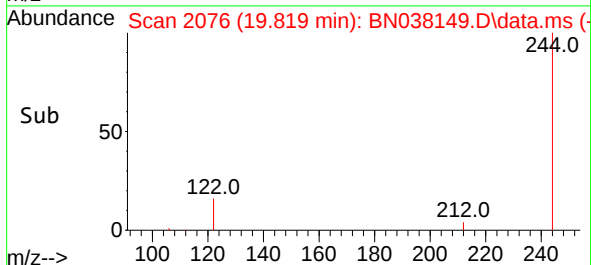
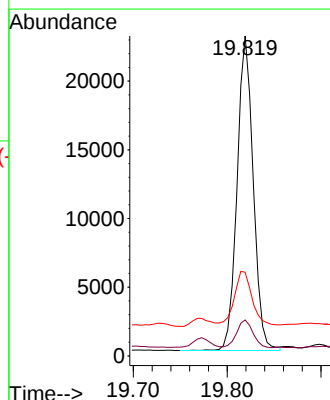
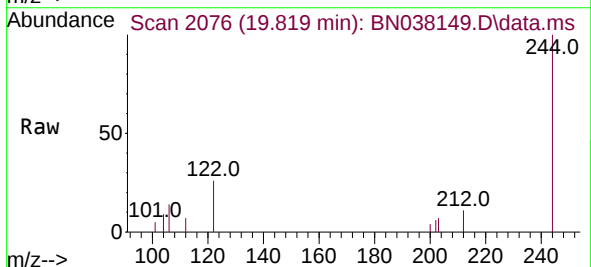
RT: 19.819 min Scan# 2076

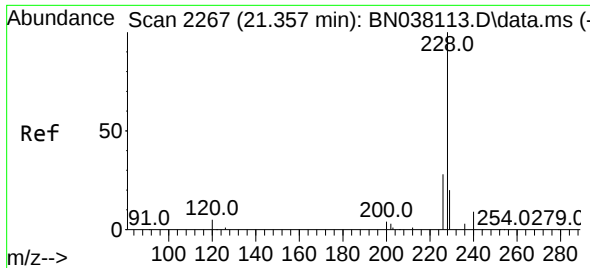
Delta R.T. -0.000 min

Lab File: BN038149.D

Acq: 07 Nov 2025 10:52

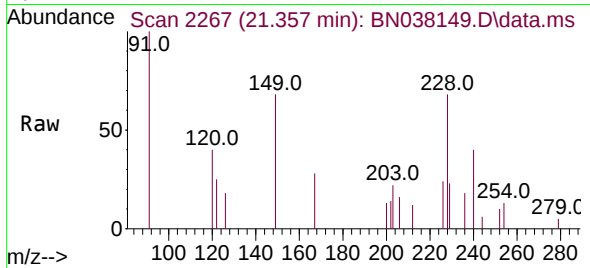
Tgt Ion:	244	Resp:	27365
Ion Ratio	Lower	Upper	
244	100		
212	11.2	7.8	11.6
122	26.1	15.2	22.8





#32
Benzo(a)anthracene
Concen: 0.074 ng
RT: 21.357 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

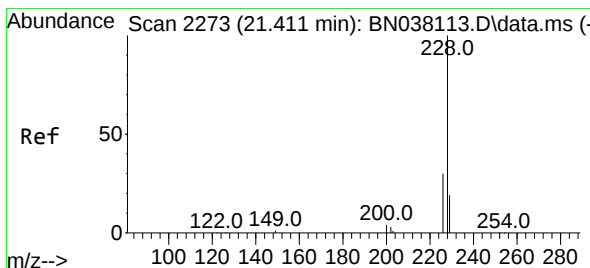
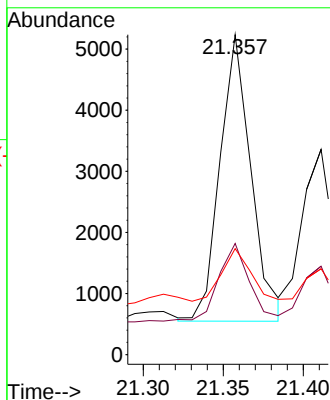
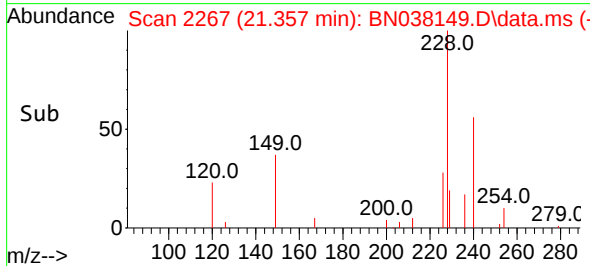
Instrument :
BNA_N
ClientSampleId :
MW-6



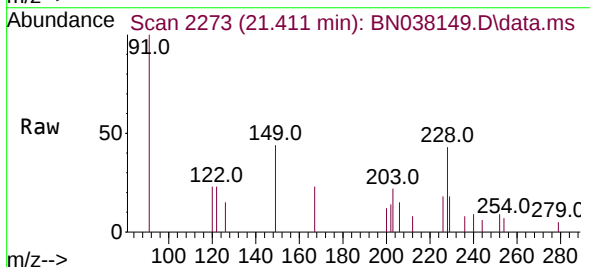
Tgt Ion:228 Resp: 6339
Ion Ratio Lower Upper
228 100
226 34.7 22.2 33.4#
229 33.1 15.8 23.8#

Manual Integrations
APPROVED

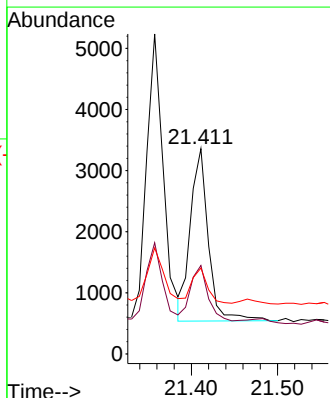
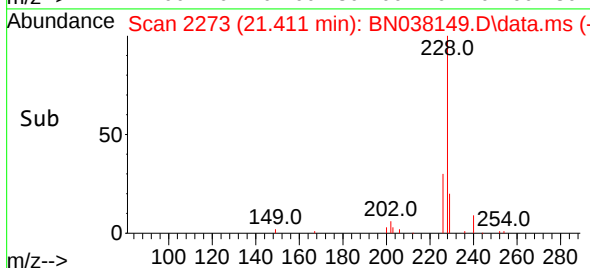
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

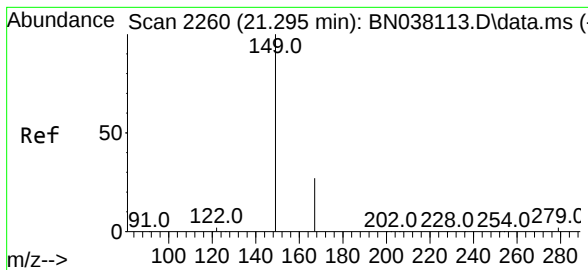


#33
Chrysene
Concen: 0.044 ng
RT: 21.411 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52



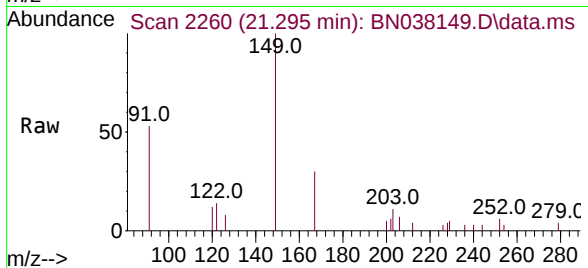
Tgt Ion:228 Resp: 4095
Ion Ratio Lower Upper
228 100
226 43.0 24.3 36.5#
229 41.8 15.7 23.5#





#34
Bis(2-ethylhexyl)phthalate
Concen: 0.371 ng
RT: 21.295 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

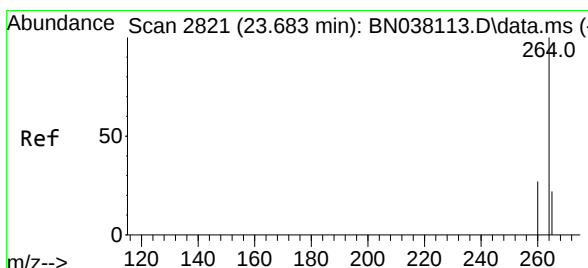
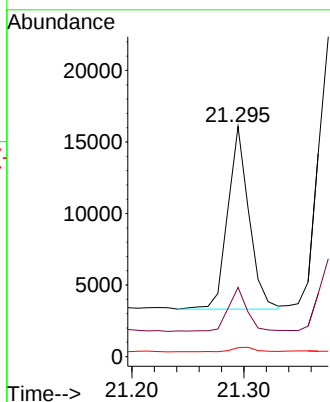
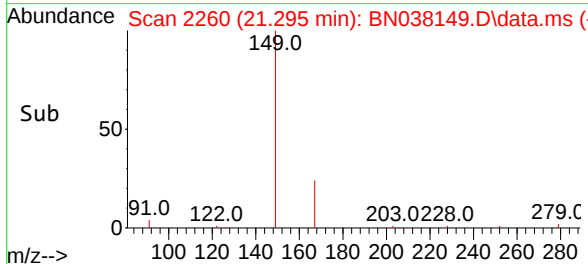
Instrument :
BNA_N
ClientSampleId :
MW-6



Tgt Ion:149 Resp: 16812
Ion Ratio Lower Upper
149 100
167 20.9 21.1 31.7
279 2.8 2.9 4.3

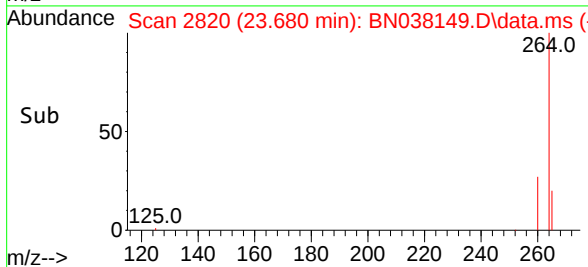
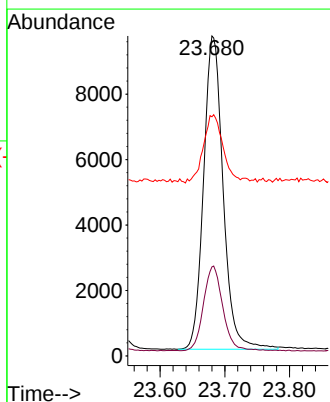
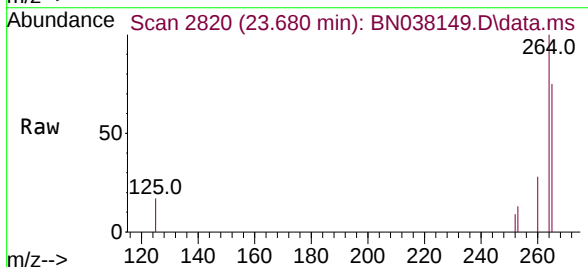
Manual Integrations
APPROVED

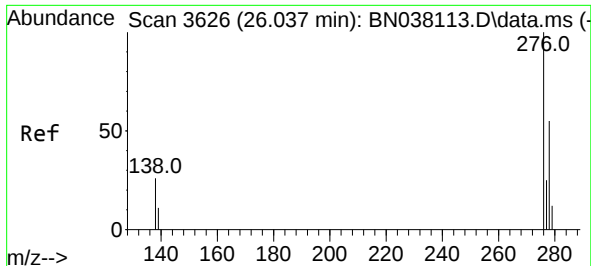
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#35
Perylene-d12
Concen: 0.400 ng
RT: 23.680 min Scan# 2820
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

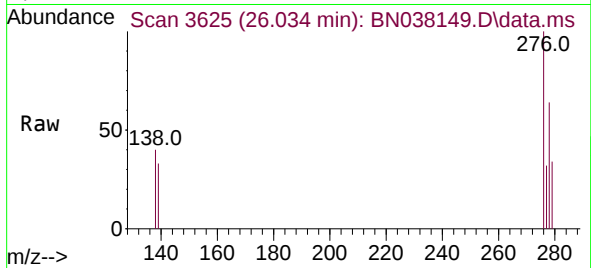
Tgt Ion:264 Resp: 20067
Ion Ratio Lower Upper
264 100
260 27.8 21.8 32.8
265 74.7 68.6 102.8





#36
Indeno(1,2,3-cd)pyrene
Concen: 0.060 ng
RT: 26.034 min Scan# 3626
Delta R.T. -0.000 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52

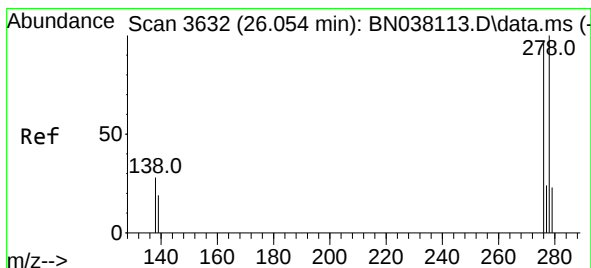
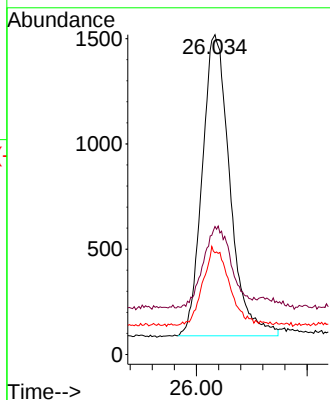
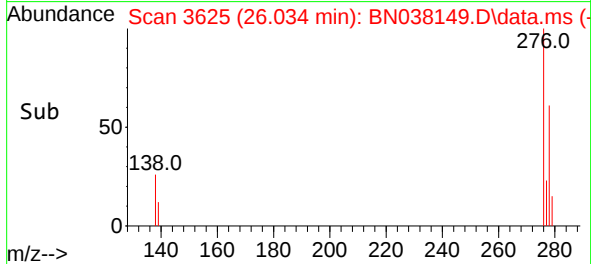
Instrument :
BNA_N
ClientSampleId :
MW-6



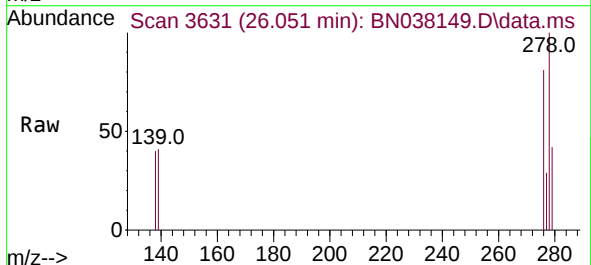
Tgt Ion:276 Resp: 4958
Ion Ratio Lower Upper
276 100
138 27.2 21.4 32.0
277 24.0 19.2 28.8

Manual Integrations
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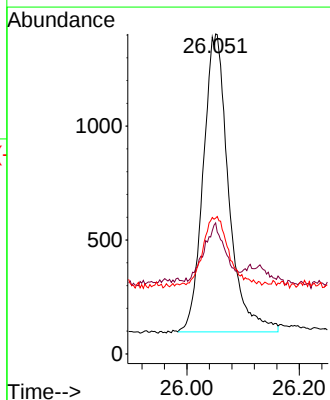
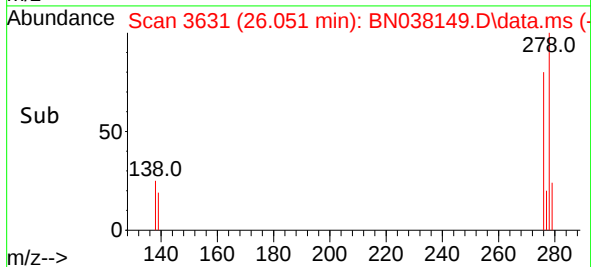
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

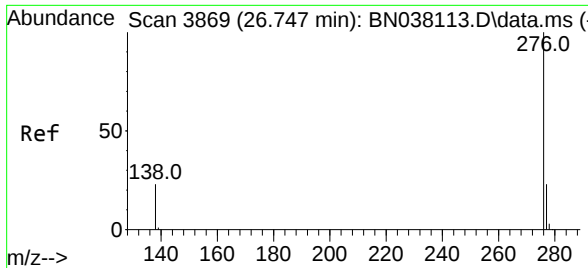


#40
Dibenzo(a,h)anthracene
Concen: 0.065 ng
RT: 26.051 min Scan# 3631
Delta R.T. 0.003 min
Lab File: BN038149.D
Acq: 07 Nov 2025 10:52



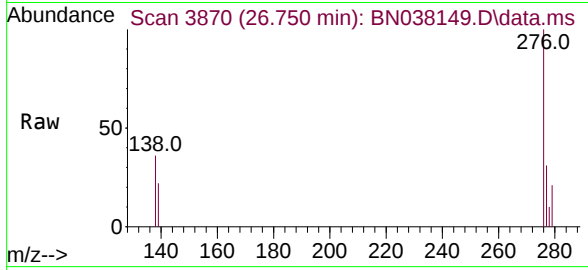
Tgt Ion:278 Resp: 4107
Ion Ratio Lower Upper
278 100
139 40.9 17.6 26.4#
279 42.4 22.6 33.8#





#41
 Benzo(g,h,i)perylene
 Concen: 0.059 ng
 RT: 26.750 min Scan# 3869
 Delta R.T. -0.000 min
 Lab File: BN038149.D
 Acq: 07 Nov 2025 10:52

Instrument :
 BNA_N
 ClientSampleId :
 MW-6



Tgt Ion: 276 Resp: 4286

Ion	Ratio	Lower	Upper
276	100		
277	30.6	19.7	29.5
138	35.8	20.2	30.4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025

