

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
 Data File : BN038154.D
 Acq On : 07 Nov 2025 14:56
 Operator : RC/JU
 Sample : Q3552-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-9

Manual Integrations
 APPROVED

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

Quant Time: Nov 07 15:20:30 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	10349	0.400	ng	0.00
7) Naphthalene-d8	10.573	136	33209	0.400	ng	# 0.00
13) Acenaphthene-d10	14.430	164	28422	0.400	ng	# 0.00
19) Phenanthrene-d10	17.186	188	32687	0.400	ng	# 0.00
29) Chrysene-d12	21.375	240	18523	0.400	ng	# 0.00
35) Perylene-d12	23.686	264	19674	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	6307	0.259	ng	0.00
5) Phenol-d6	6.937	99	3612	0.122	ng	0.00
8) Nitrobenzene-d5	8.929	82	10645	0.397	ng	0.00
11) 2-Methylnaphthalene-d10	12.172	152	16944m	0.357	ng	0.00
14) 2,4,6-Tribromophenol	15.932	330	4153	0.355	ng	0.00
15) 2-Fluorobiphenyl	13.051	172	33737	0.296	ng	0.00
27) Fluoranthene-d10	19.220	212	25672	0.311	ng	0.00
31) Terphenyl-d14	19.819	244	19990	0.497	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.247	88	212427	19.866	ng	98
9) Naphthalene	10.626	128	42267	0.462	ng	95
12) 2-Methylnaphthalene	12.248	142	20799	0.341	ng	# 92
17) Acenaphthene	14.495	154	13254	0.147	ng	# 84
18) Fluorene	15.489	166	24796	0.210	ng	# 12
24) Pentachlorophenol	16.838	266	225	0.021	ng	# 82
25) Phenanthrene	17.223	178	14514m	0.140	ng	
26) Anthracene	17.322	178	18419	0.203	ng	96
28) Fluoranthene	19.253	202	6074	0.052	ng	# 82
30) Pyrene	19.615	202	6838	0.082	ng	# 81
34) Bis(2-ethylhexyl)phtha...	21.295	149	19583	0.563	ng	# 86

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

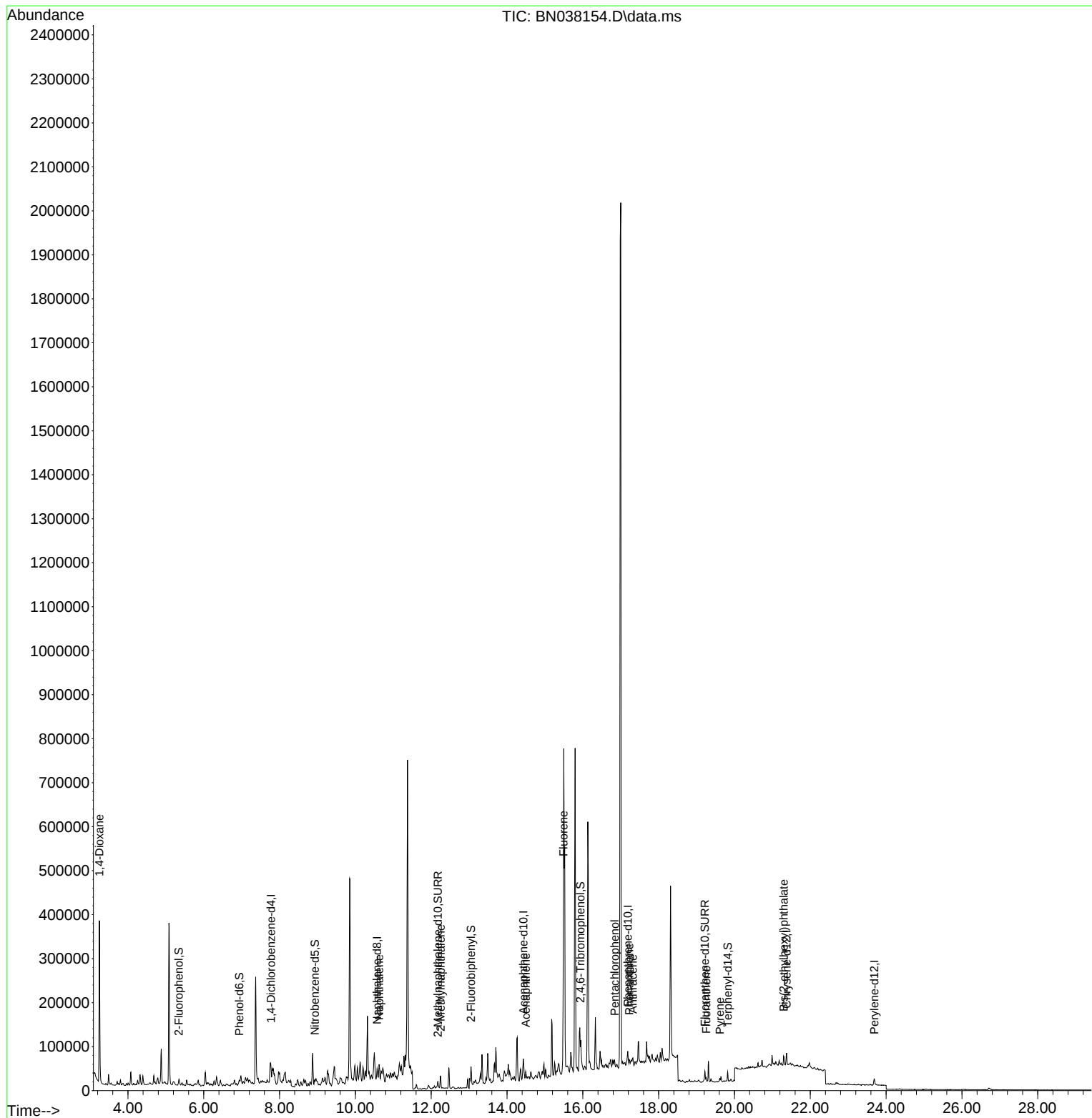
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN110725\
Data File : BN038154.D
Acq On : 07 Nov 2025 14:56
Operator : RC/JU
Sample : Q3552-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-9

Manual Integrations
APPROVED

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

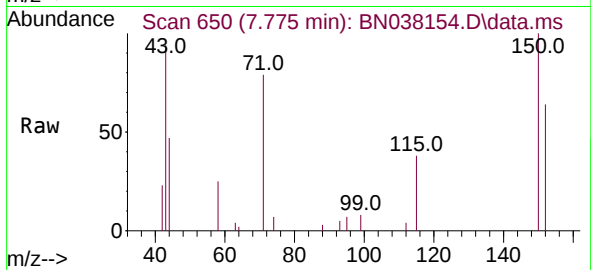
Quant Time: Nov 07 15:20:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN102825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 29 13:09:46 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.775 min Scan# 61
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

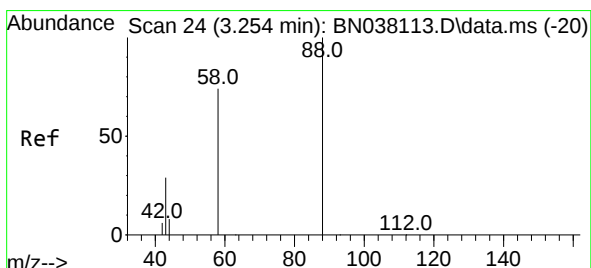
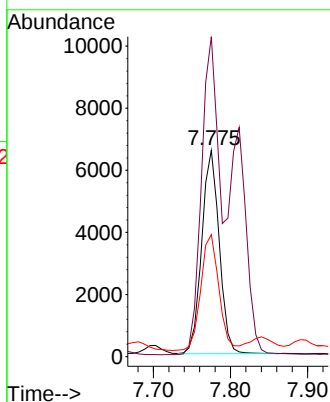
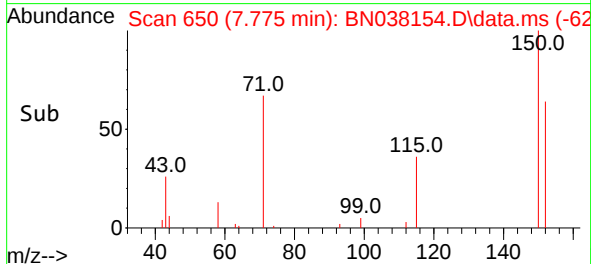
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:152 Resp: 10349
Ion Ratio Lower Upper
152 100
150 155.1 122.3 183.5
115 59.1 47.4 71.0

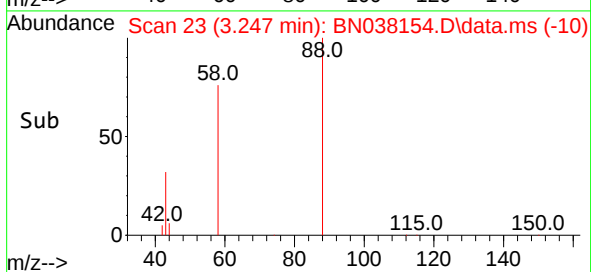
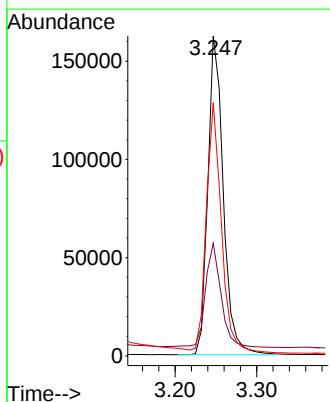
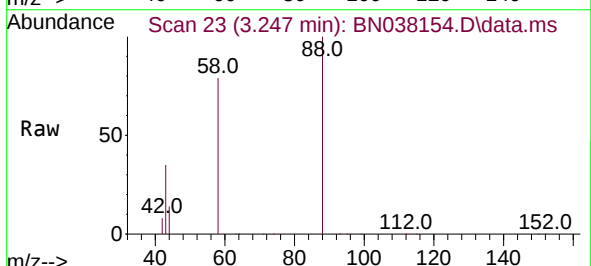
Manual Integrations
APPROVED

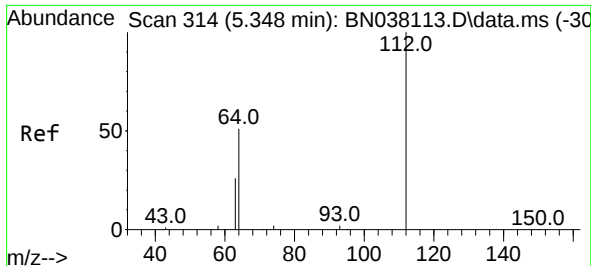
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#2
1,4-Dioxane
Concen: 19.866 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.007 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

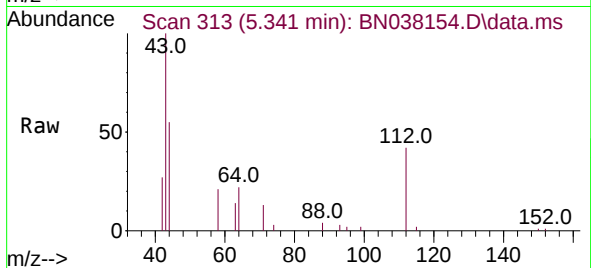
Tgt Ion: 88 Resp: 212427
Ion Ratio Lower Upper
88 100
43 33.2 24.3 36.5
58 76.6 60.4 90.6





#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.341 min Scan# 314
Delta R.T. -0.007 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

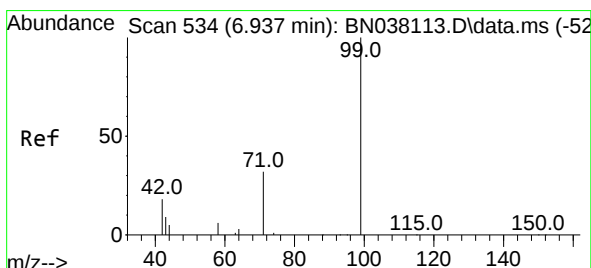
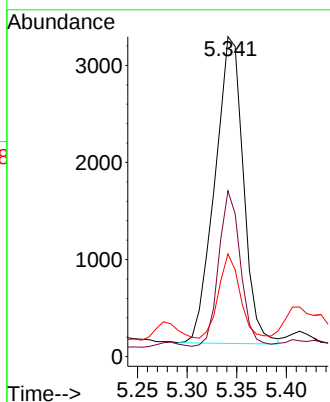
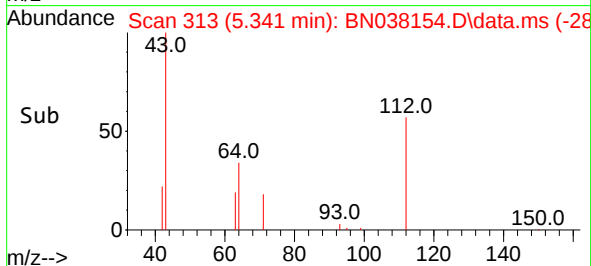
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:112 Resp: 6307
Ion Ratio Lower Upper
112 100
64 39.3 45.4 68.0#
63 21.9 23.2 34.8#

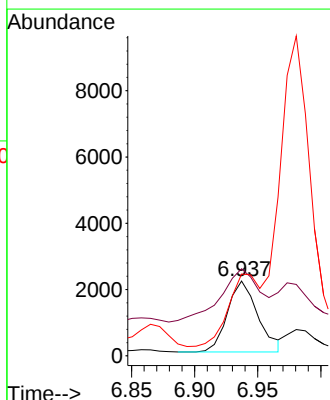
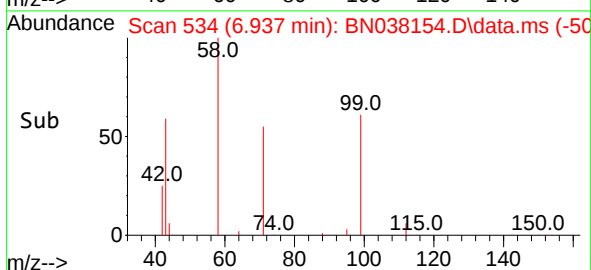
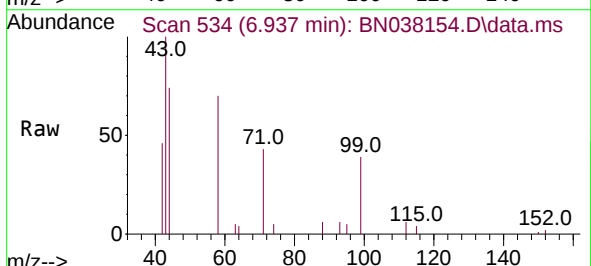
Manual Integrations
APPROVED

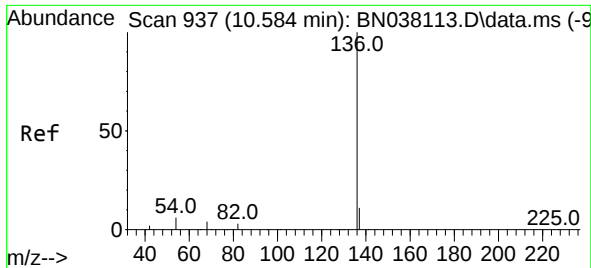
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#5
Phenol-d6
Concen: 0.122 ng
RT: 6.937 min Scan# 534
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

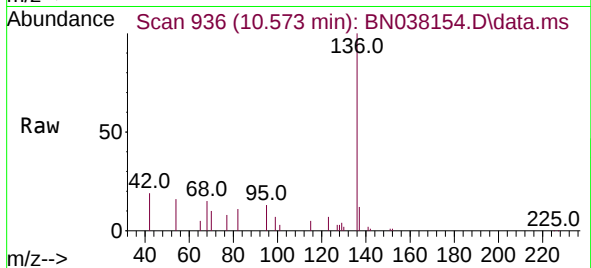
Tgt Ion: 99 Resp: 3612
Ion Ratio Lower Upper
99 100
42 97.3 16.6 24.8#
71 0.0 25.4 38.2#





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.573 min Scan# 937
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

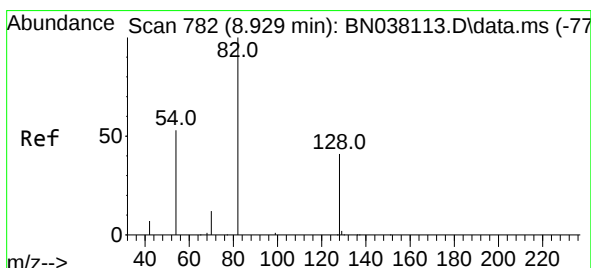
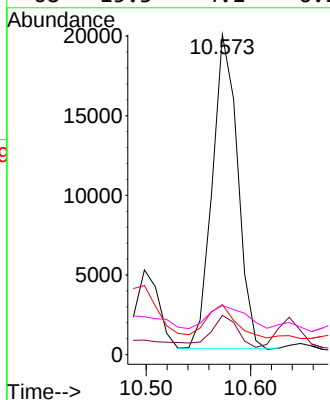
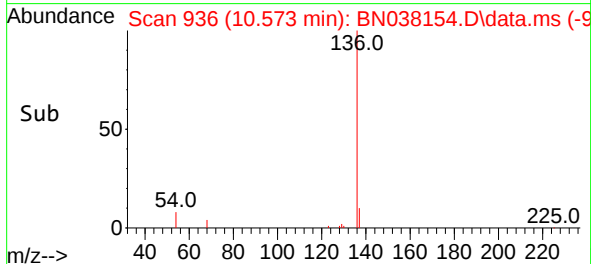
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:	136	Resp:	33209
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.0	13.4
54	15.6	5.2	7.8
68	15.3	4.1	6.1

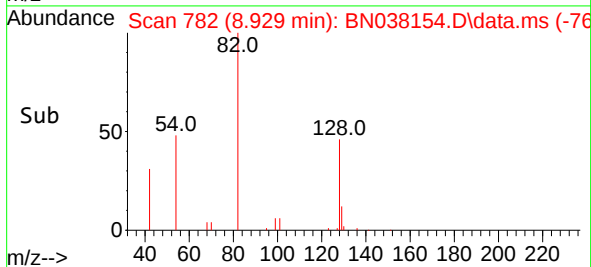
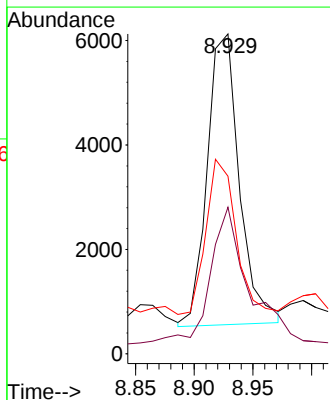
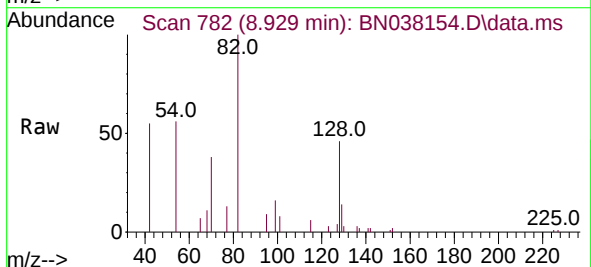
Manual Integrations
APPROVED

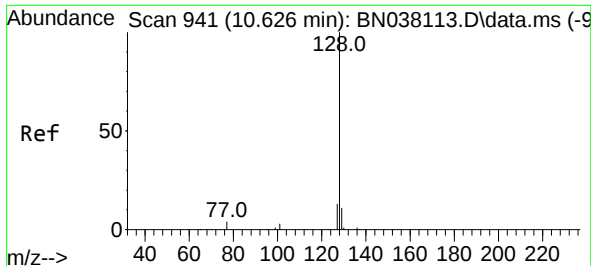
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#8
Nitrobenzene-d5
Concen: 0.397 ng
RT: 8.929 min Scan# 782
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:	82	Resp:	10645
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.1	51.1
54	55.5	43.5	65.3





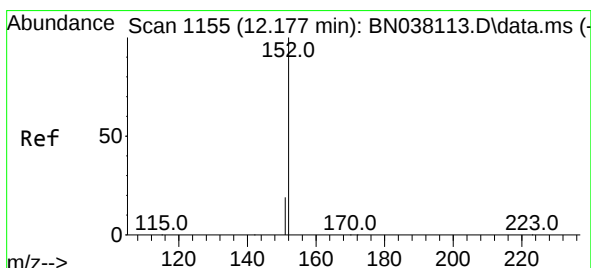
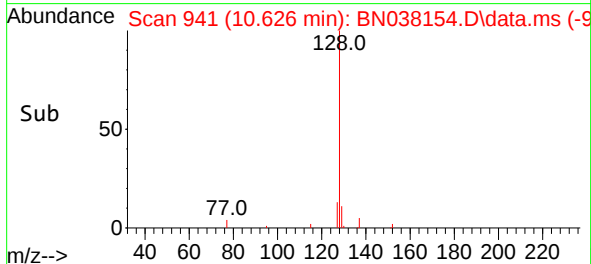
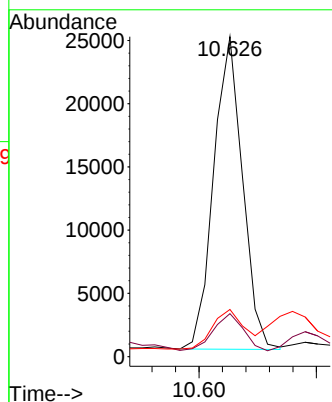
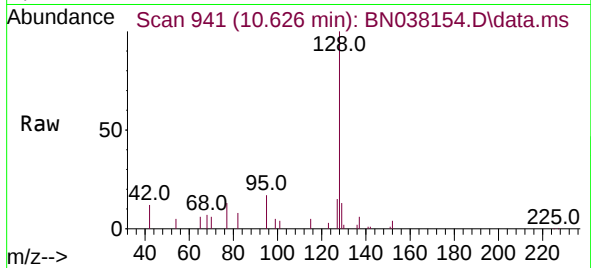
#9
Naphthalene
Concen: 0.462 ng
RT: 10.626 min Scan# 941
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion:128 Resp: 4226
Ion Ratio Lower Upper
128 100
129 13.4 9.1 13.7
127 14.7 10.5 15.7

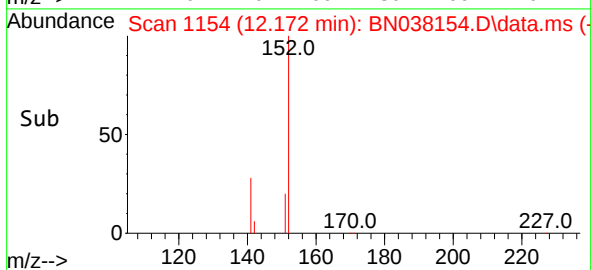
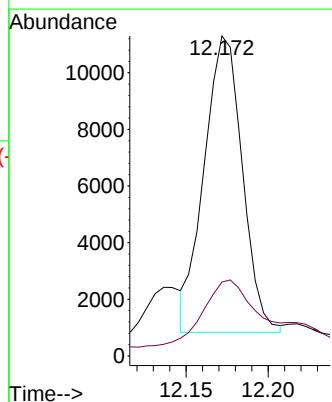
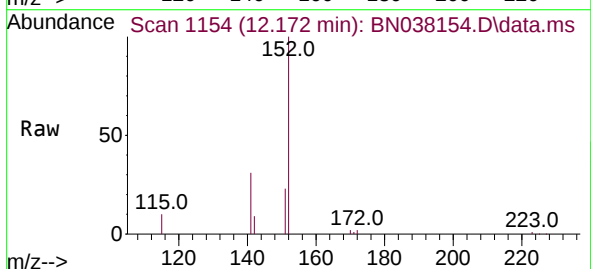
Manual Integrations
APPROVED

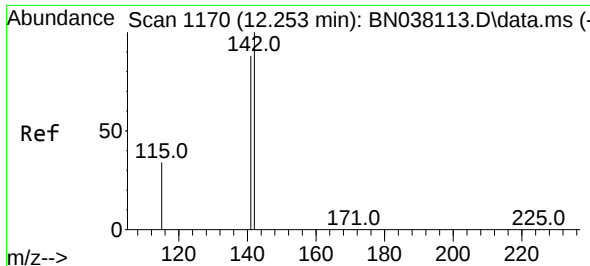
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#11
2-Methylnaphthalene-d10
Concen: 0.357 ng m
RT: 12.172 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

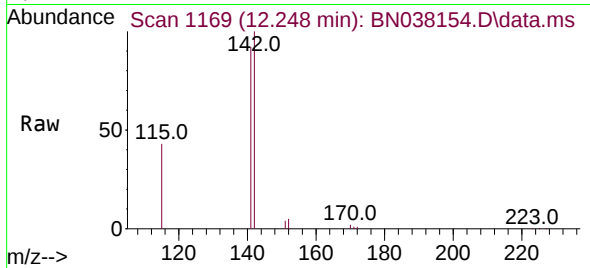
Tgt Ion:152 Resp: 16944
Ion Ratio Lower Upper
152 100
151 42.1 16.8 25.2#





#12
2-Methylnaphthalene
Concen: 0.341 ng
RT: 12.248 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

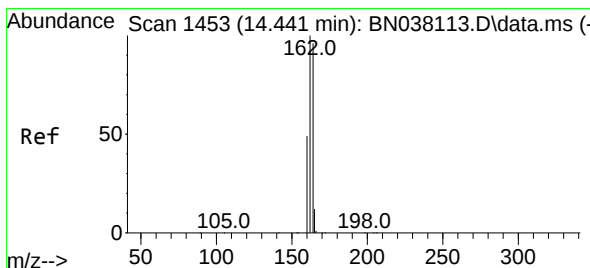
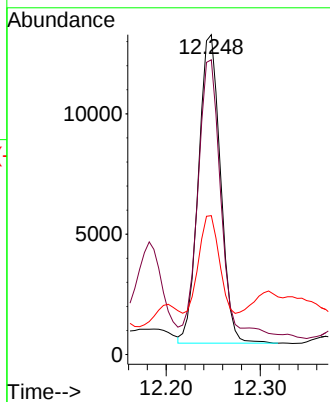
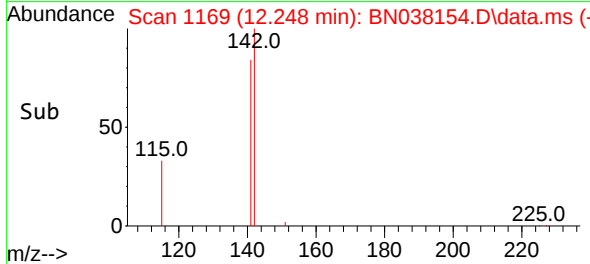
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:142 Resp: 20799
Ion Ratio Lower Upper
142 100
141 92.1 70.3 105.5
115 43.4 27.8 41.6

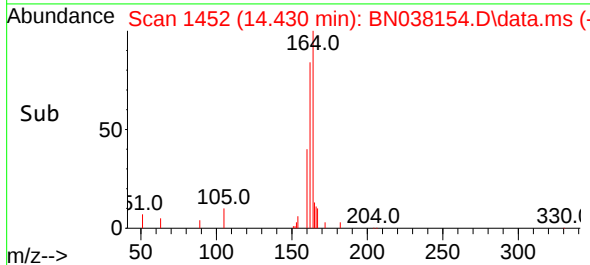
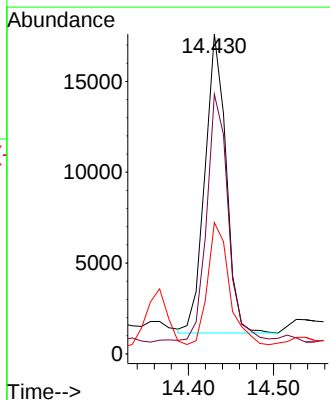
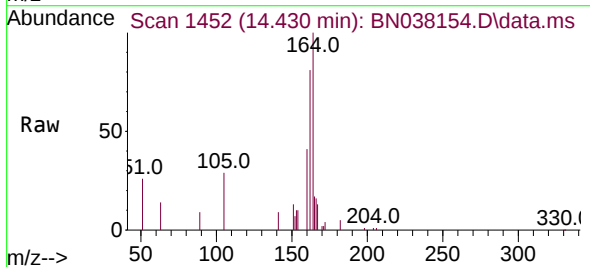
Manual Integrations
APPROVED

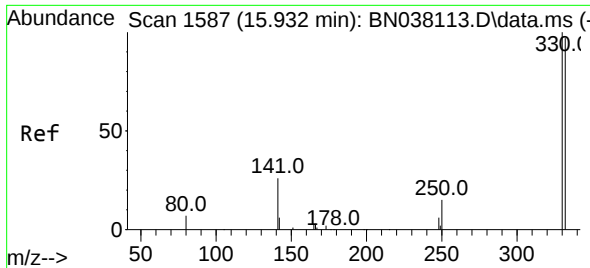
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.430 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

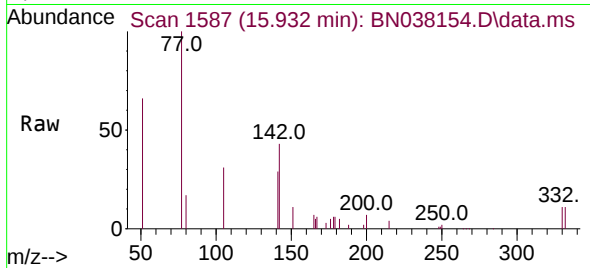
Tgt Ion:164 Resp: 28422
Ion Ratio Lower Upper
164 100
162 81.1 83.0 124.4#
160 41.0 40.7 61.1





#14
2,4,6-Tribromophenol
Concen: 0.355 ng
RT: 15.932 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

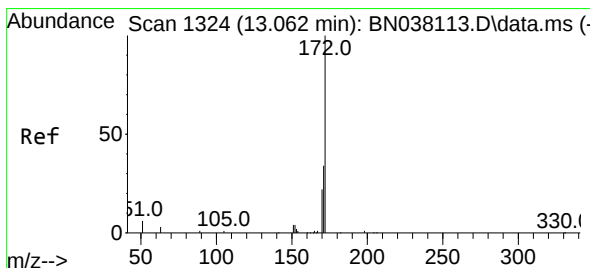
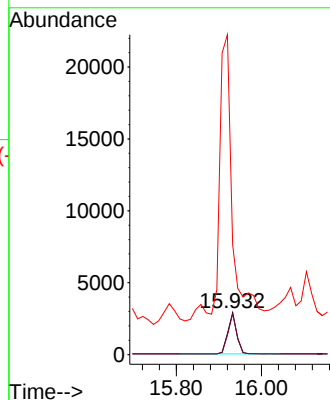
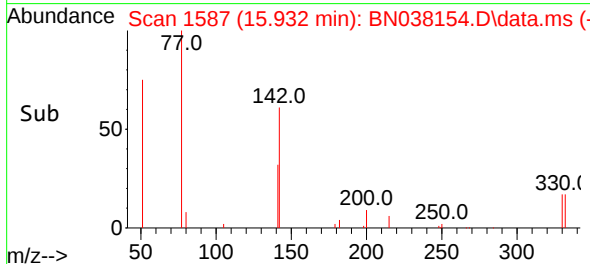
Instrument :
BNA_N
ClientSampleId :
MW-9



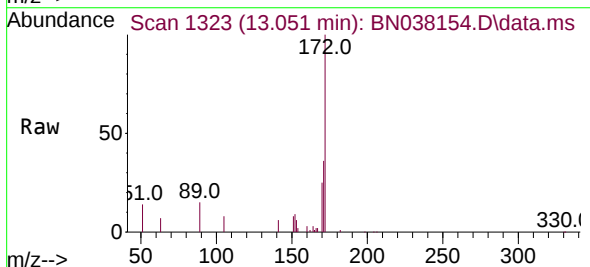
Tgt Ion: 330 Resp: 415
Ion Ratio Lower Upper
330 100
332 97.8 76.6 114.8
141 910.5 34.1 51.1

Manual Integrations
APPROVED

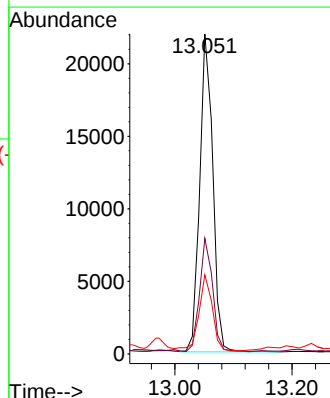
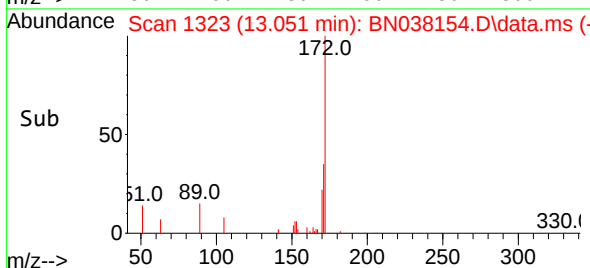
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025

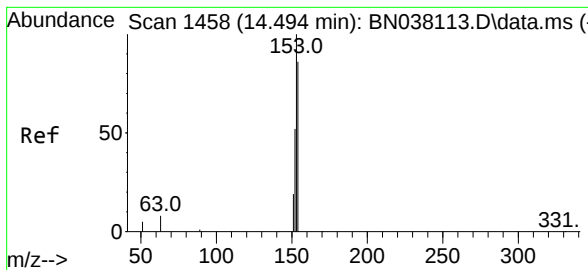


#15
2-Fluorobiphenyl
Concen: 0.296 ng
RT: 13.051 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56



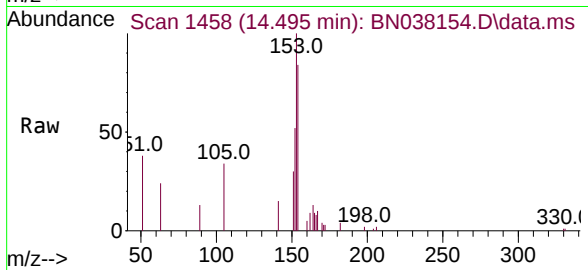
Tgt Ion: 172 Resp: 33737
Ion Ratio Lower Upper
172 100
171 36.1 27.8 41.6
170 24.7 18.1 27.1





#17
Acenaphthene
Concen: 0.147 ng
RT: 14.495 min Scan# 1458
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

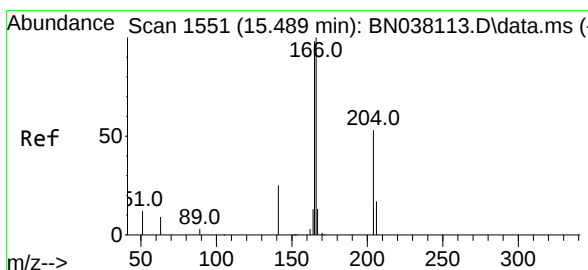
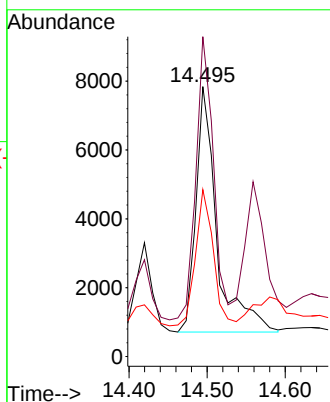
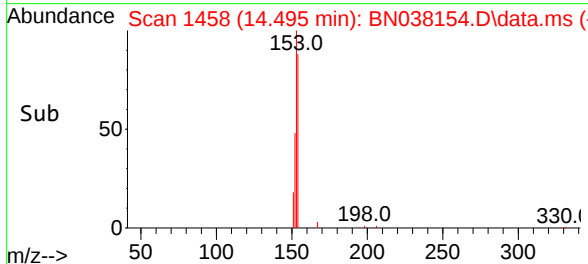
Instrument :
BNA_N
ClientSampleId :
MW-9



Tgt Ion:154 Resp: 13254
Ion Ratio Lower Upper
154 100
153 95.7 90.0 135.0
152 46.9 47.3 70.9

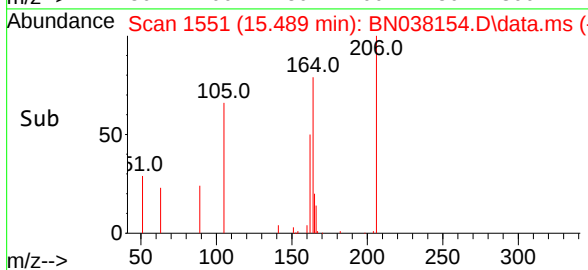
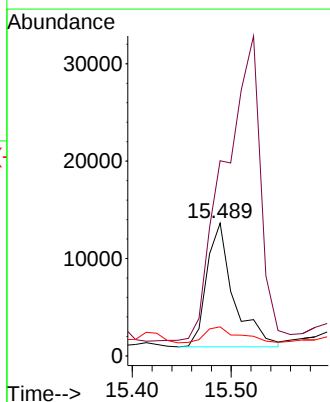
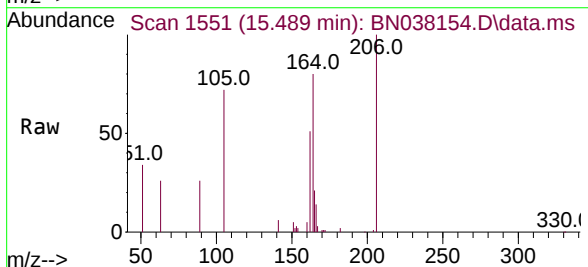
Manual Integrations
APPROVED

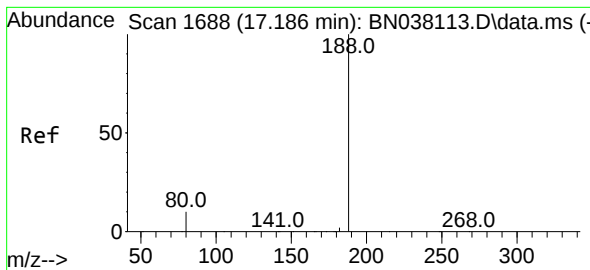
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#18
Fluorene
Concen: 0.210 ng
RT: 15.489 min Scan# 1551
Delta R.T. -0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:166 Resp: 24796
Ion Ratio Lower Upper
166 100
165 0.0 79.0 118.4#
167 16.1 10.7 16.1#





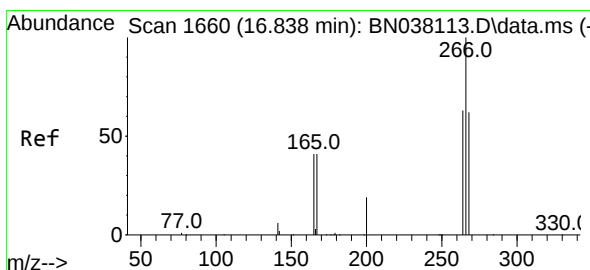
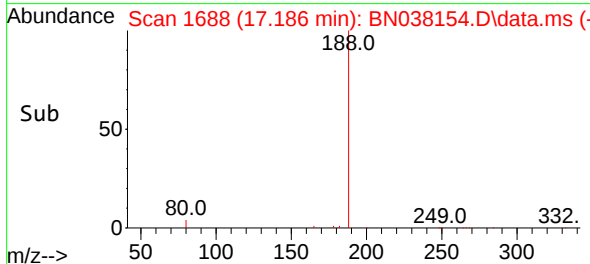
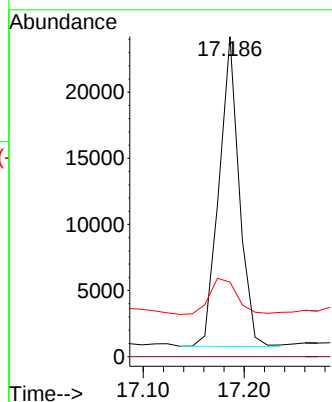
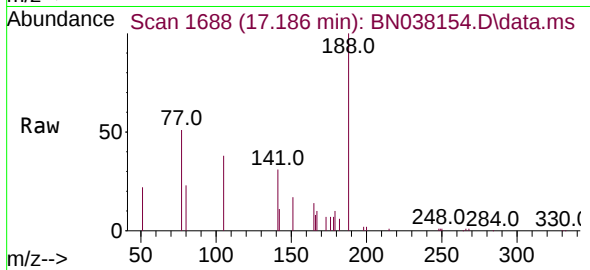
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.186 min Scan# 1688
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion:188 Resp: 3268
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 23.3 8.6 13.0

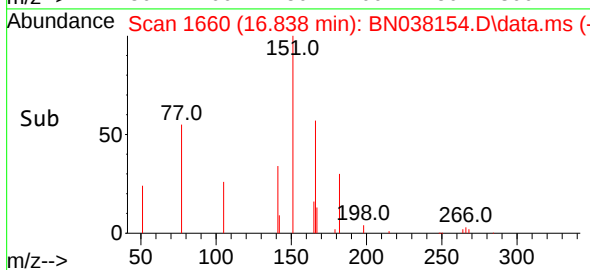
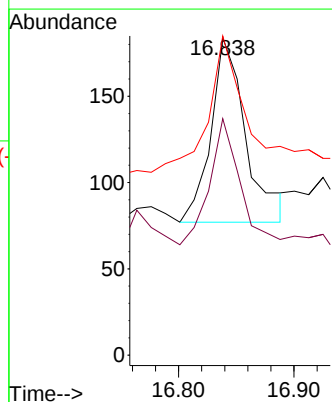
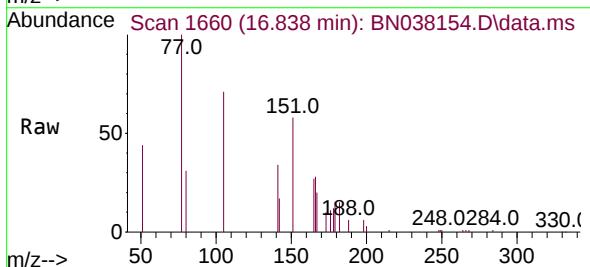
Manual Integrations
APPROVED

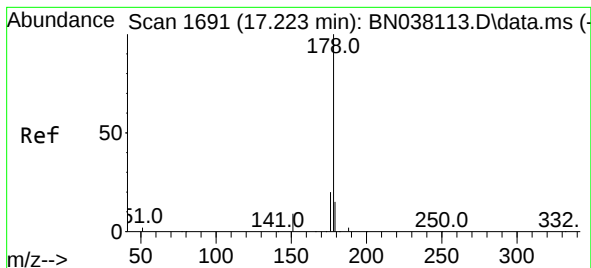
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#24
Pentachlorophenol
Concen: 0.021 ng
RT: 16.838 min Scan# 1660
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:266 Resp: 225
Ion Ratio Lower Upper
266 100
264 59.1 49.3 73.9
268 88.0 50.6 75.8





#25

Phenanthrene

Concen: 0.140 ng m

RT: 17.223 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BN038154.D

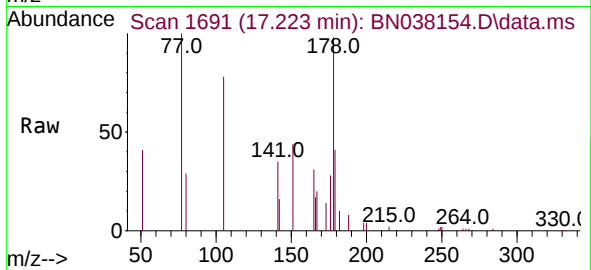
Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9



Tgt Ion:178 Resp: 14514

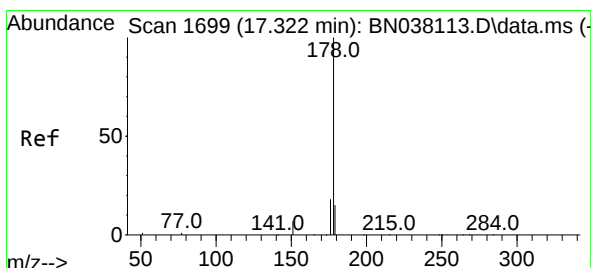
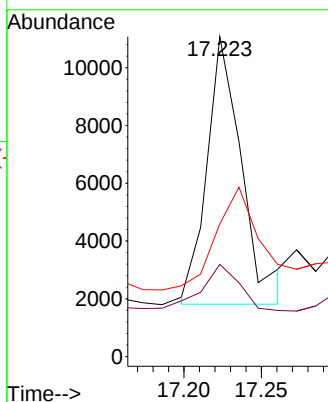
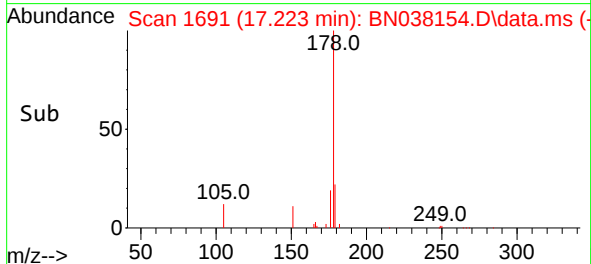
Ion	Ratio	Lower	Upper
178	100		
176	27.9	15.5	23.3
179	20.7	12.2	18.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#26

Anthracene

Concen: 0.203 ng

RT: 17.322 min Scan# 1699

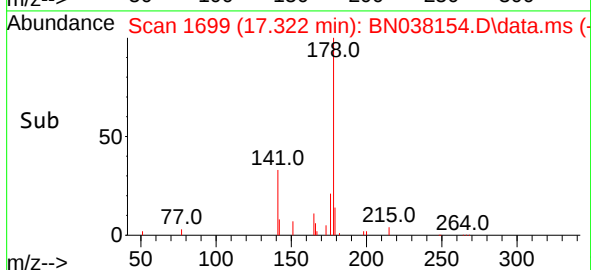
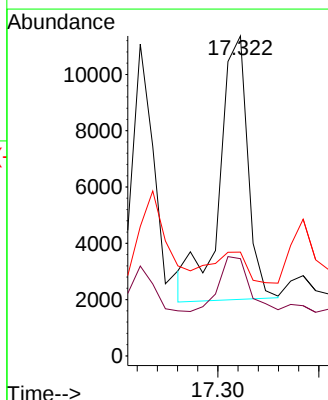
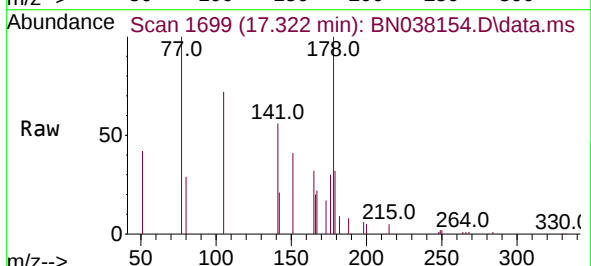
Delta R.T. 0.000 min

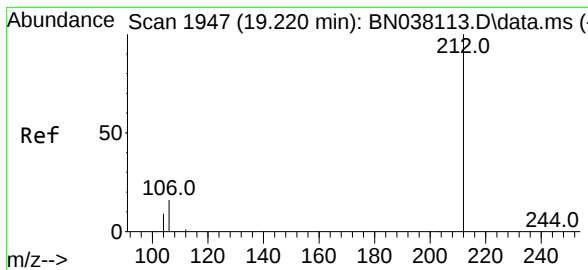
Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Tgt Ion:178 Resp: 18419

Ion	Ratio	Lower	Upper
178	100		
176	22.0	14.9	22.3
179	14.7	11.8	17.8





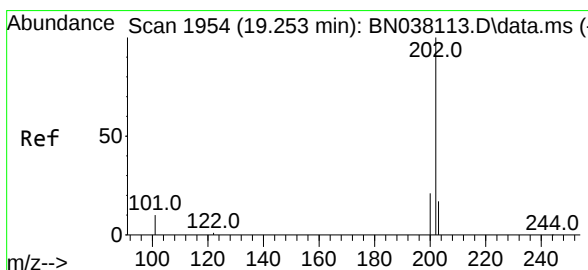
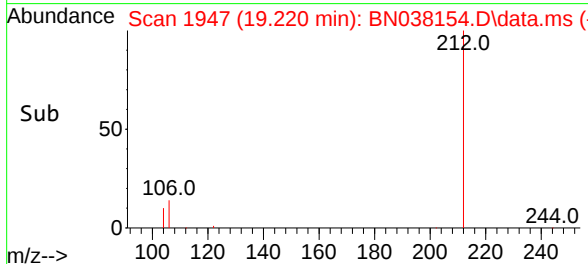
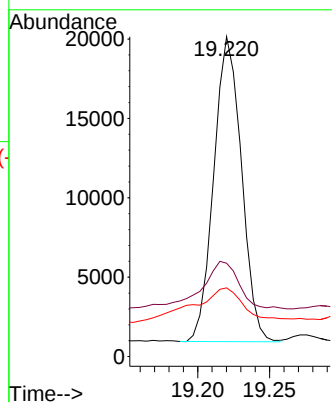
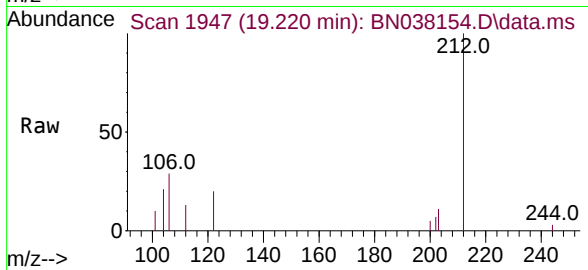
#27
Fluoranthene-d10
Concen: 0.311 ng
RT: 19.220 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Instrument :
BNA_N
ClientSampleId :
MW-9

Tgt Ion:212 Resp: 25672
Ion Ratio Lower Upper
212 100
106 28.5 12.6 19.0
104 22.6 7.1 10.7

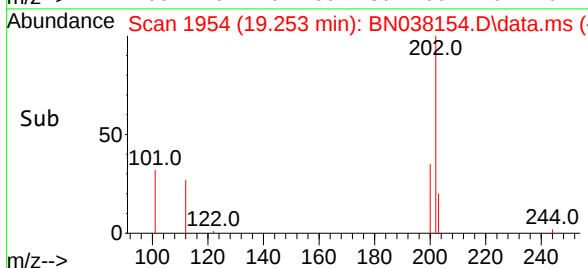
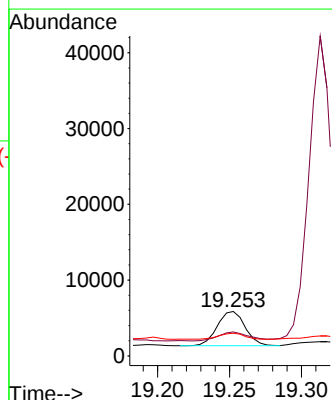
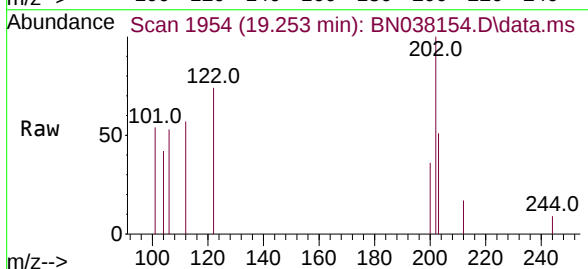
Manual Integrations
APPROVED

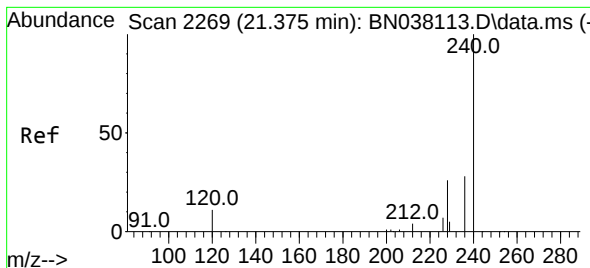
Reviewed By :Rahul Chavli 11/10/2025
Supervised By :Jagrut Upadhyay 11/10/2025



#28
Fluoranthene
Concen: 0.052 ng
RT: 19.253 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BN038154.D
Acq: 07 Nov 2025 14:56

Tgt Ion:202 Resp: 6074
Ion Ratio Lower Upper
202 100
101 28.8 9.4 14.2
203 16.7 13.4 20.2





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.375 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

Instrument :

BNA_N

ClientSampleId :

MW-9

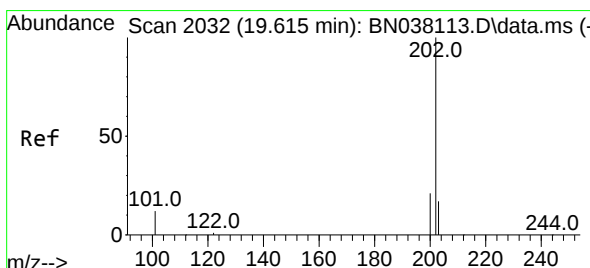
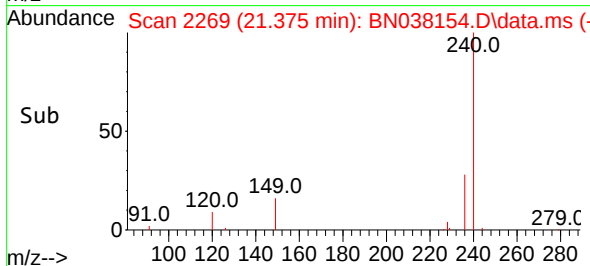
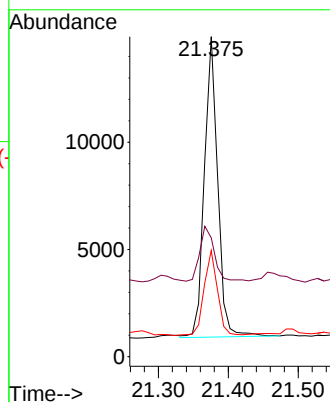
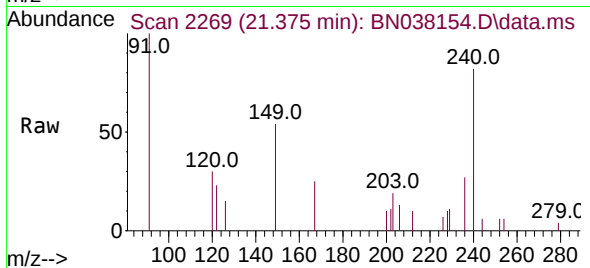
Tgt Ion:240	Resp:	18523
Ion Ratio	Lower	Upper
240	100	
120	37.1	10.7 16.1#
236	33.1	23.1 34.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/10/2025

Supervised By :Jagrut Upadhyay 11/10/2025



#30

Pyrene

Concen: 0.082 ng

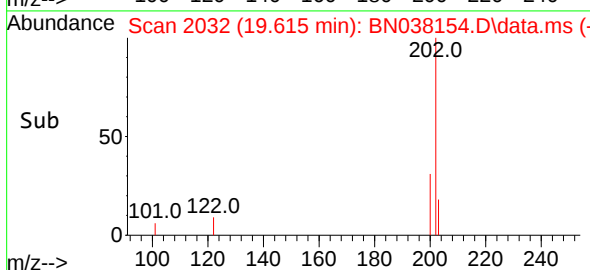
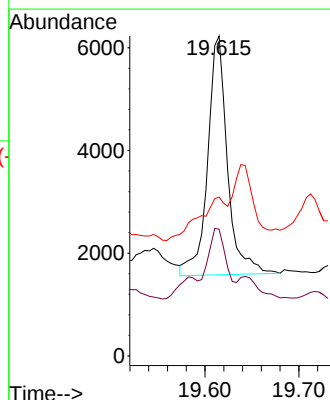
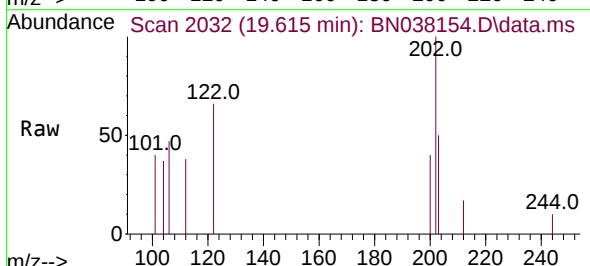
RT: 19.615 min Scan# 2032

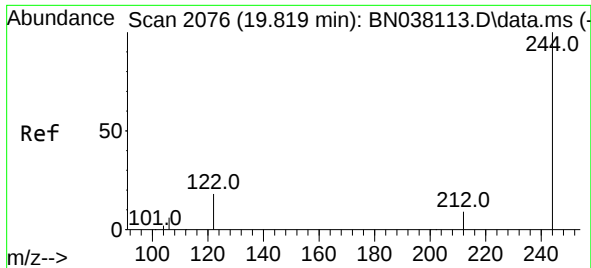
Delta R.T. 0.005 min

Lab File: BN038154.D

Acq: 07 Nov 2025 14:56

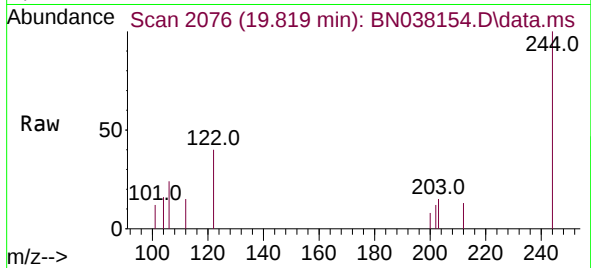
Tgt Ion:202	Resp:	6838
Ion Ratio	Lower	Upper
202	100	
200	29.5	16.7 25.1#
203	26.0	14.2 21.2#





#31
 Terphenyl-d14
 Concen: 0.497 ng
 RT: 19.819 min Scan# 2076
 Delta R.T. 0.000 min
 Lab File: BN038154.D
 Acq: 07 Nov 2025 14:56

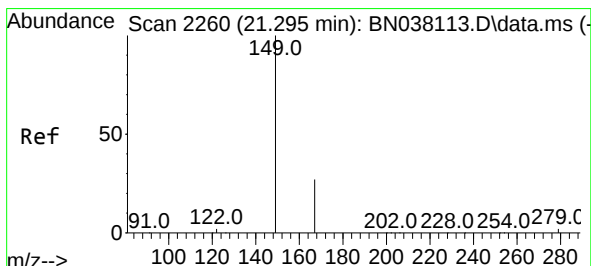
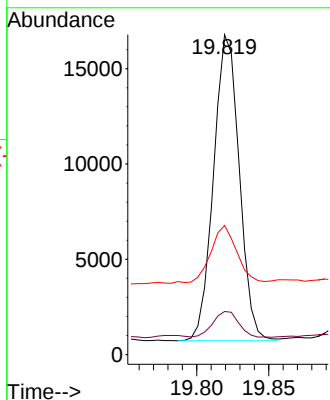
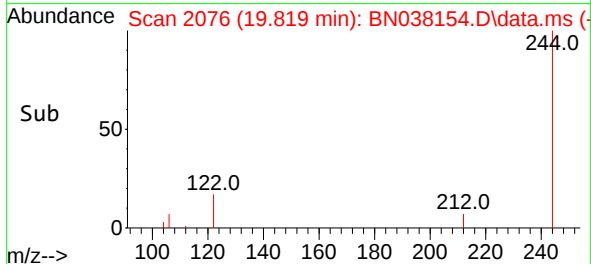
Instrument :
 BNA_N
 ClientSampleId :
 MW-9



Tgt Ion:244 Resp: 19990
 Ion Ratio Lower Upper
 244 100
 212 13.5 7.8 11.6
 122 40.4 15.2 22.8

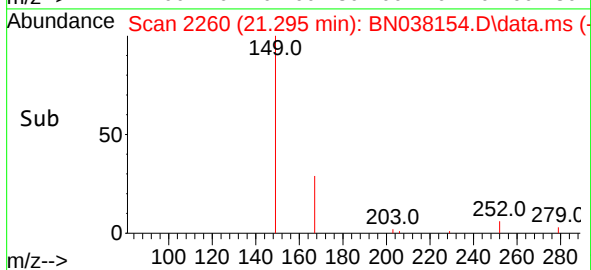
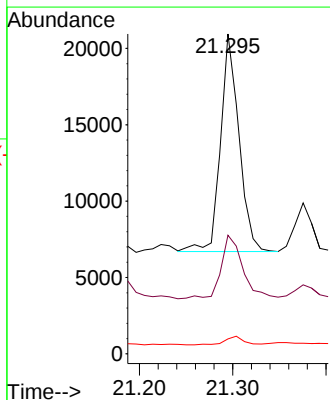
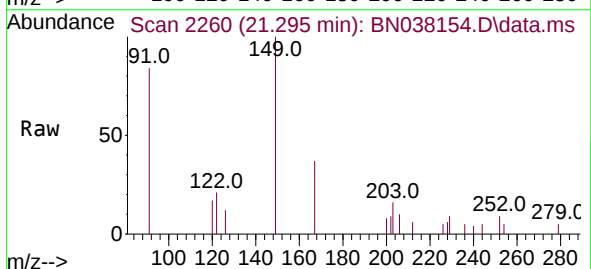
Manual Integrations
 APPROVED

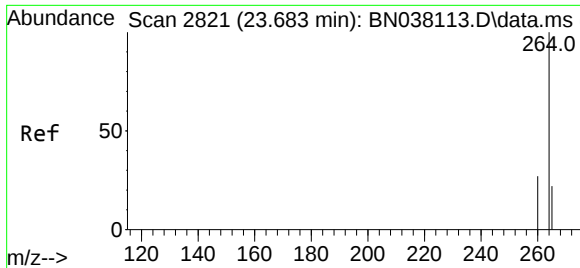
Reviewed By :Rahul Chavli 11/10/2025
 Supervised By :Jagrut Upadhyay 11/10/2025



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.563 ng
 RT: 21.295 min Scan# 2260
 Delta R.T. 0.000 min
 Lab File: BN038154.D
 Acq: 07 Nov 2025 14:56

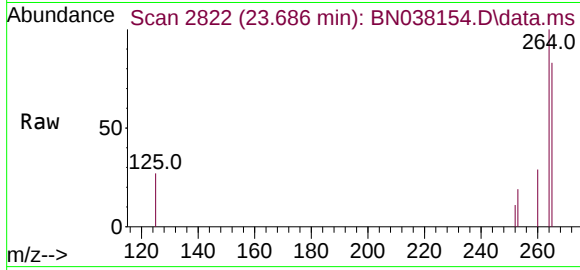
Tgt Ion:149 Resp: 19583
 Ion Ratio Lower Upper
 149 100
 167 34.3 21.1 31.7
 279 4.0 2.9 4.3





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.686 min Scan# 2821
 Delta R.T. 0.006 min
 Lab File: BN038154.D
 Acq: 07 Nov 2025 14:56

Instrument :
 BNA_N
 ClientSampleId :
 MW-9



Tgt Ion:264 Resp: 19674

Ion	Ratio	Lower	Upper
264	100		
260	28.9	21.8	32.8
265	82.5	68.6	102.8

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

