

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
 Data File : BN036820.D
 Acq On : 03 Apr 2025 13:37
 Operator : RC/JU
 Sample : Q1697-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-040125

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025

Quant Time: Apr 03 14:09:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 16:06:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.696	152	3191	0.400	ng	-0.03
7) Naphthalene-d8	10.477	136	7703	0.400	ng	#-0.03
13) Acenaphthene-d10	14.334	164	4532	0.400	ng	-0.03
19) Phenanthrene-d10	17.074	188	9506	0.400	ng	#-0.04
29) Chrysene-d12	21.268	240	8074	0.400	ng	-0.03
35) Perylene-d12	23.513	264	7150	0.400	ng	#-0.04
System Monitoring Compounds						
4) 2-Fluorophenol	0.000	112	0d	0.000	ng	
5) Phenol-d6	0.000	99	0d	0.000	ng	
8) Nitrobenzene-d5	8.843	82	2283	0.272	ng	-0.03
11) 2-Methylnaphthalene-d10	12.070	152	3723	0.325	ng	-0.04
14) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
15) 2-Fluorobiphenyl	12.953	172	8110	0.308	ng	-0.04
27) Fluoranthene-d10	19.113	212	10192	0.418	ng	-0.03
31) Terphenyl-d14	19.717	244	8517	0.440	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.218	88	22726	6.420	ng	99
9) Naphthalene	10.530	128	4412	0.195	ng	97
12) 2-Methylnaphthalene	12.146	142	676	0.047	ng	# 93
17) Acenaphthene	14.398	154	1967	0.141	ng	99
18) Fluorene	15.382	166	2050	0.108	ng	98
25) Phenanthrene	17.124	178	31370	1.100	ng	100
26) Anthracene	17.211	178	1433m	0.056	ng	
28) Fluoranthene	19.146	202	17850	0.557	ng	100
30) Pyrene	19.508	202	12122	0.307	ng	# 94
32) Benzo(a)anthracene	21.259	228	901	0.032	ng	# 89
33) Chrysene	21.304	228	1348	0.044	ng	# 89
34) Bis(2-ethylhexyl)phtha...	21.196	149	1663	0.083	ng	# 97

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

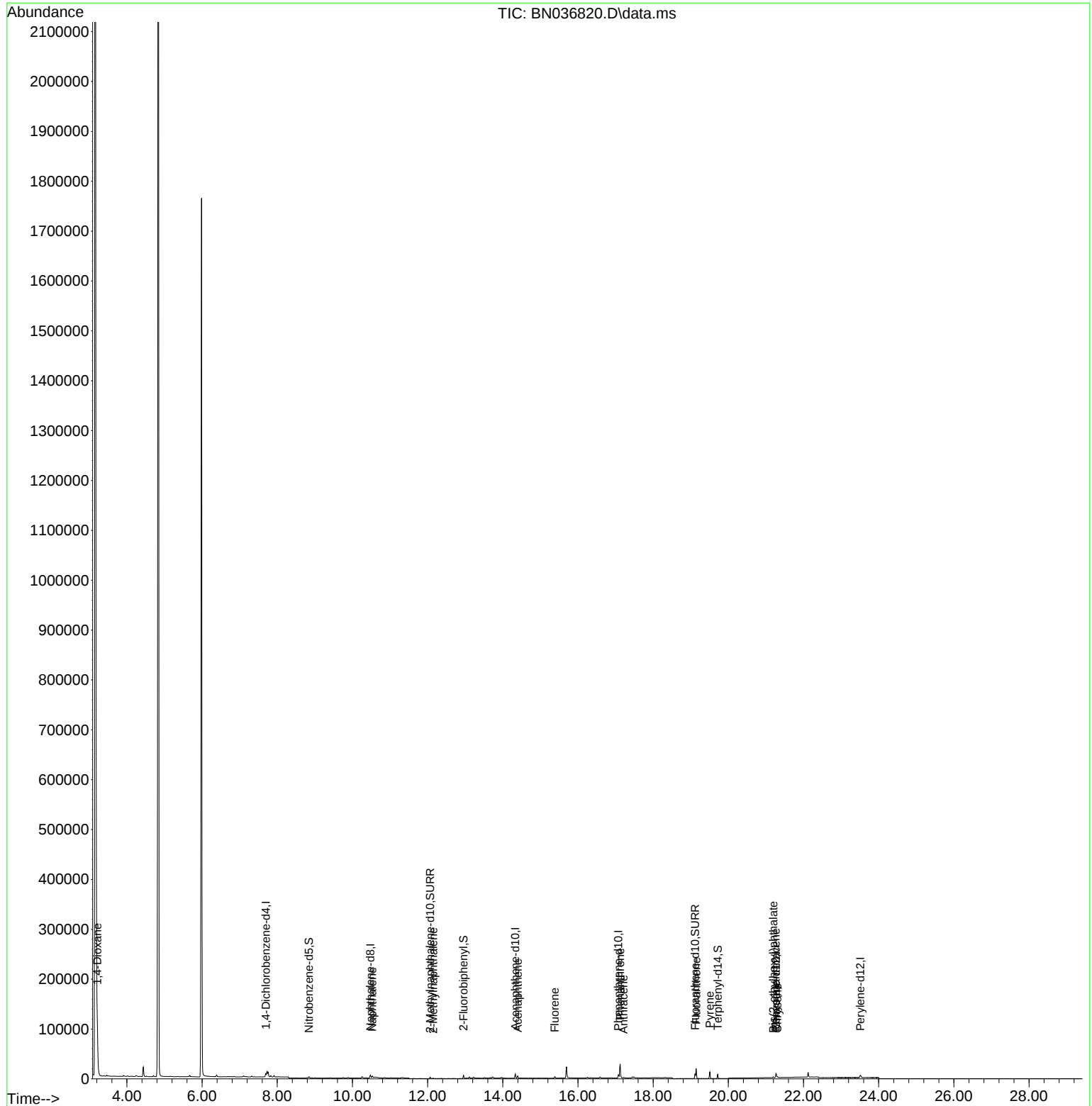
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN040325\
Data File : BN036820.D
Acq On : 03 Apr 2025 13:37
Operator : RC/JU
Sample : Q1697-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

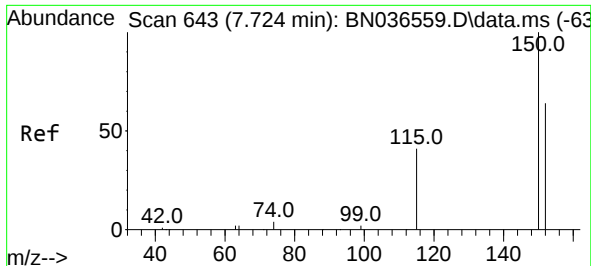
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

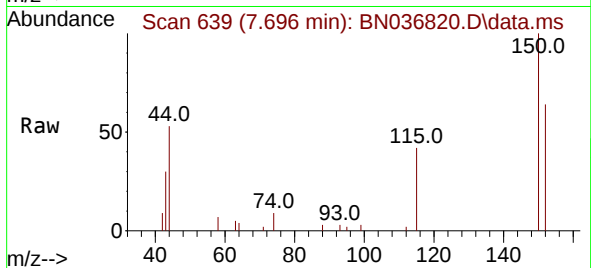
Quant Time: Apr 03 14:09:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 16:06:28 2025
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.696 min Scan# 61
 Delta R.T. -0.028 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

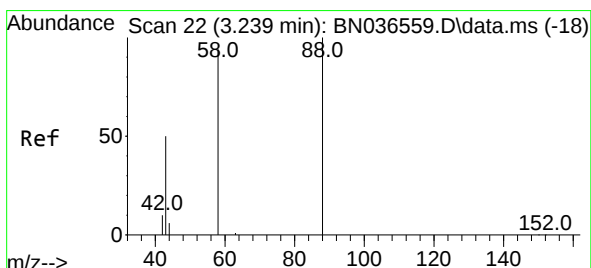
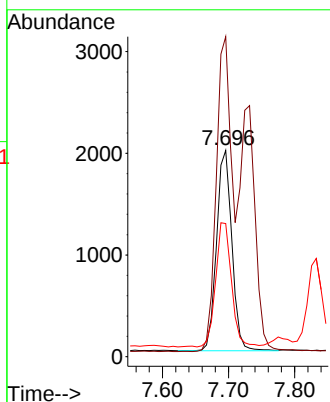
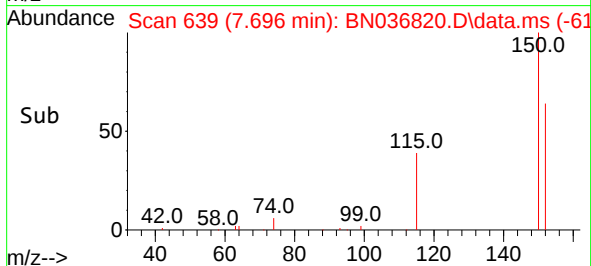
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-040125



Tgt Ion: 152 Resp: 319
 Ion Ratio Lower Upper
 152 100
 150 155.1 123.7 185.5
 115 64.5 54.3 81.5

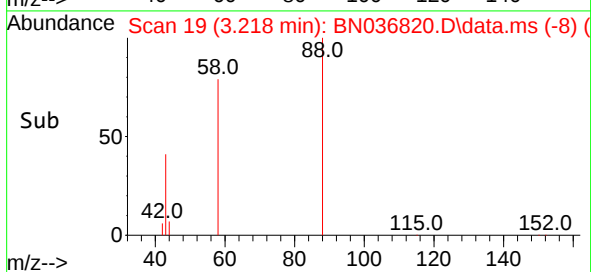
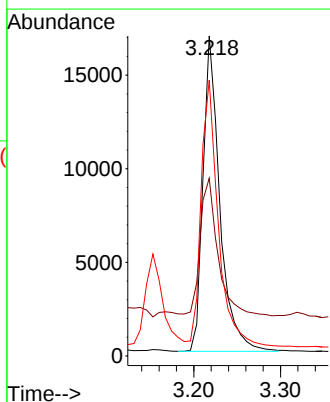
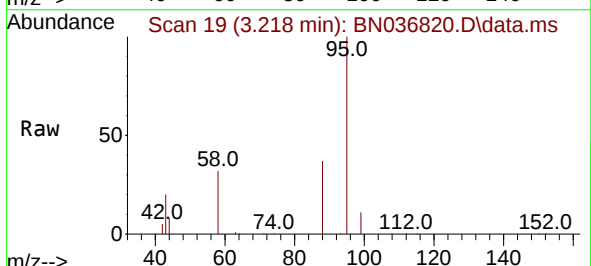
Manual Integrations
 APPROVED

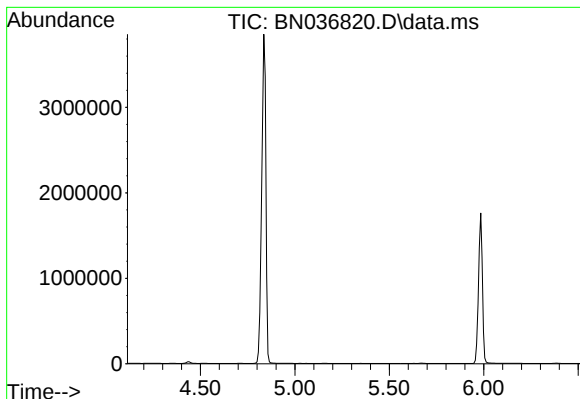
Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025



#2
 1,4-Dioxane
 Concen: 6.420 ng
 RT: 3.218 min Scan# 19
 Delta R.T. -0.021 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

Tgt Ion: 88 Resp: 22726
 Ion Ratio Lower Upper
 88 100
 43 46.6 37.8 56.8
 58 85.8 67.4 101.2





#4
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.31 min

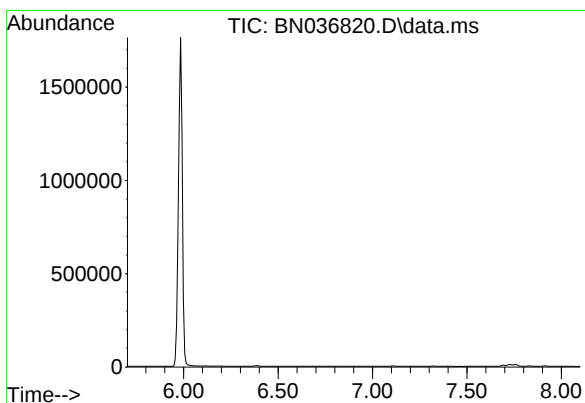
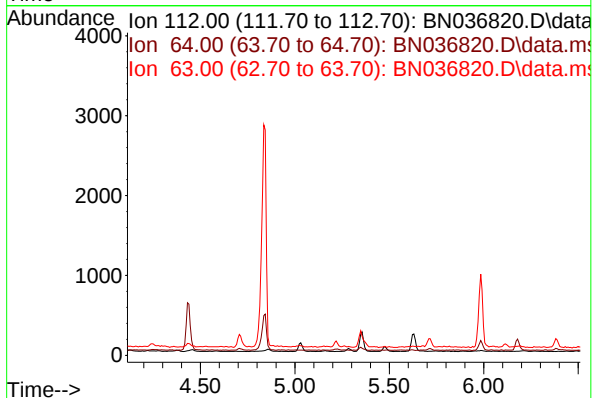
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

Tgt Ion: 112
Sig Exp Ratio
112 100
64 66.4
63 39.8

Manual Integrations
APPROVED

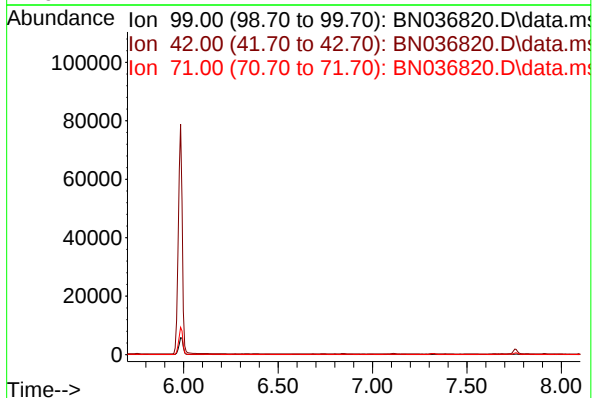
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

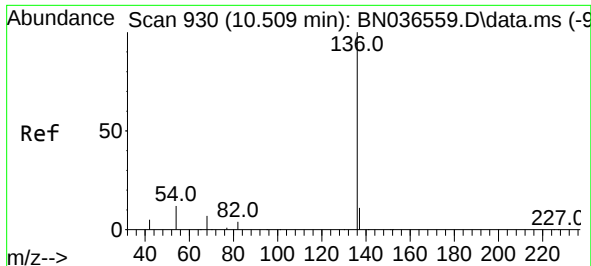


#5
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.90 min

Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

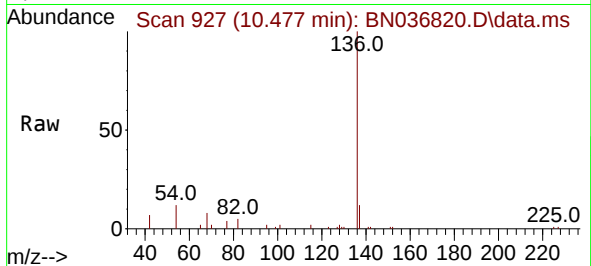
Tgt Ion: 99
Sig Exp Ratio
99 100
42 33.1
71 42.6





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.477 min Scan# 91
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

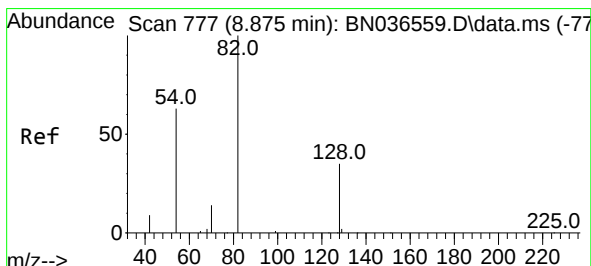
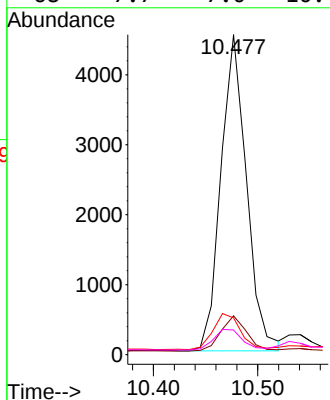
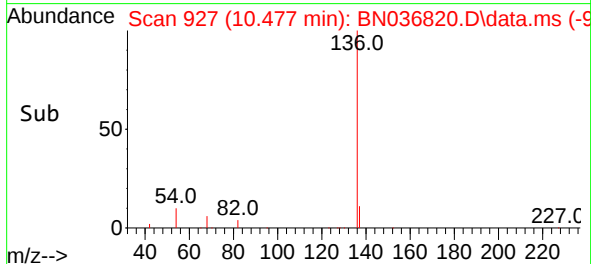
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125



Tgt Ion:136	Resp:	770
Ion	Ratio	Lower Upper
136	100	
137	12.2	10.3 15.5
54	11.5	11.5 17.3
68	7.7	7.0 10.4

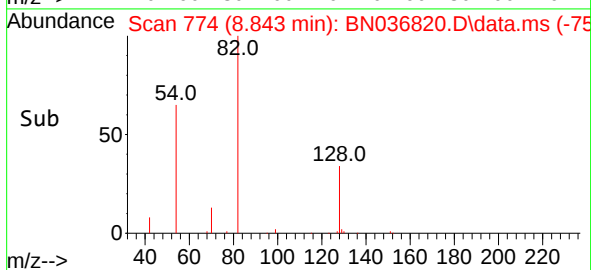
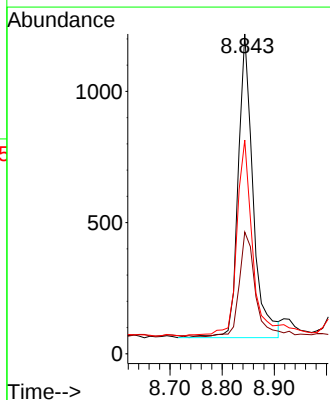
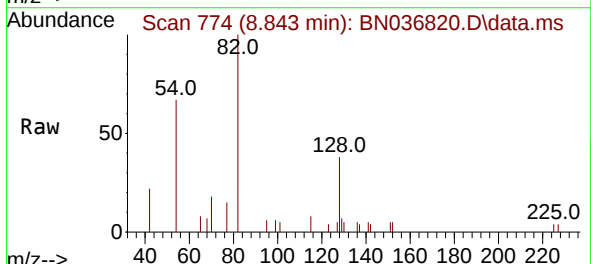
Manual Integrations
APPROVED

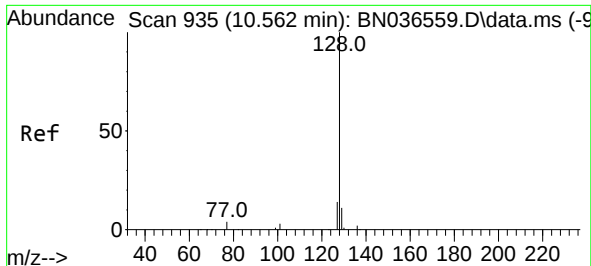
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#8
Nitrobenzene-d5
Concen: 0.272 ng
RT: 8.843 min Scan# 774
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion: 82	Resp:	2283
Ion	Ratio	Lower Upper
82	100	
128	38.1	30.6 45.8
54	66.9	52.2 78.4





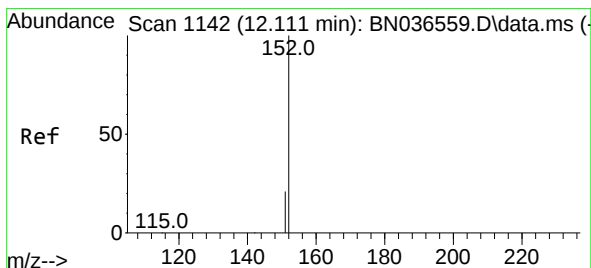
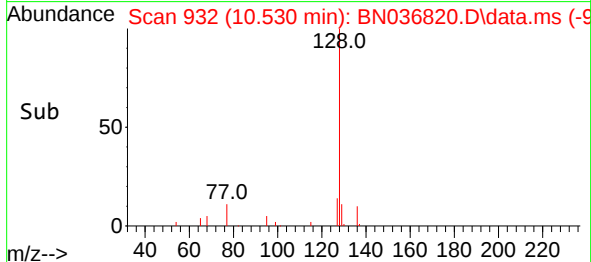
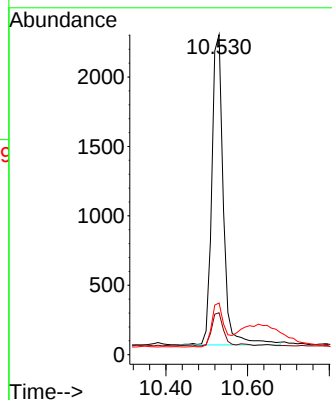
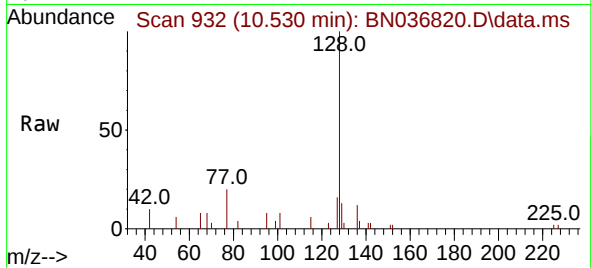
#9
Naphthalene
Concen: 0.195 ng
RT: 10.530 min Scan# 911
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

Tgt Ion:128 Resp: 441
Ion Ratio Lower Upper
128 100
129 13.1 9.8 14.6
127 16.1 11.8 17.8

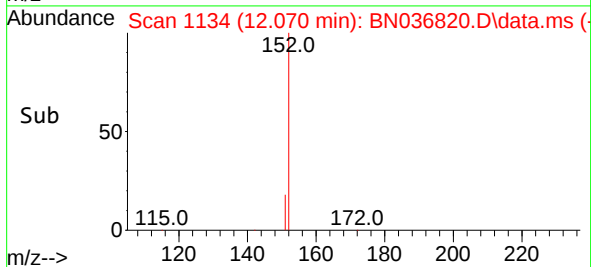
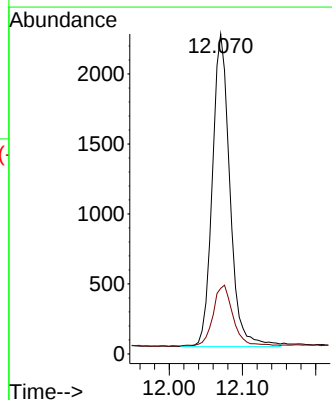
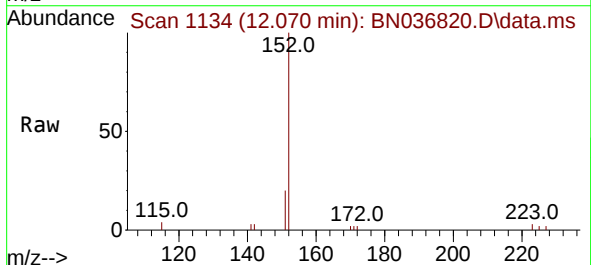
Manual Integrations
APPROVED

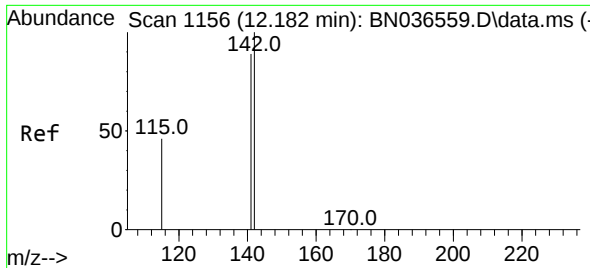
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#11
2-Methylnaphthalene-d10
Concen: 0.325 ng
RT: 12.070 min Scan# 1134
Delta R.T. -0.040 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

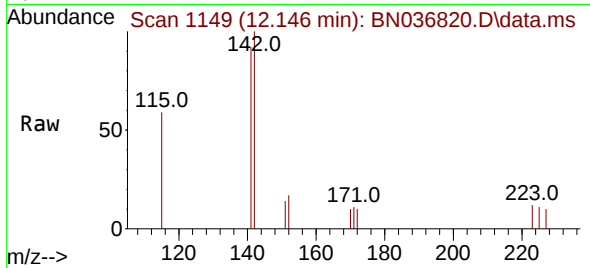
Tgt Ion:152 Resp: 3723
Ion Ratio Lower Upper
152 100
151 22.7 17.0 25.6





#12
2-Methylnaphthalene
Concen: 0.047 ng
RT: 12.146 min Scan# 1149
Delta R.T. -0.035 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

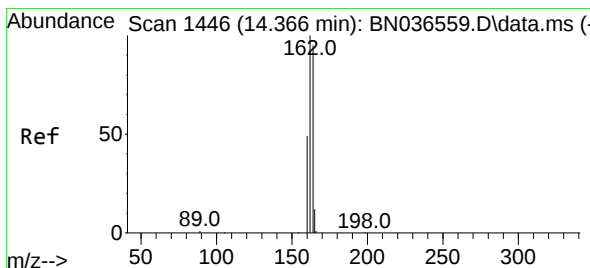
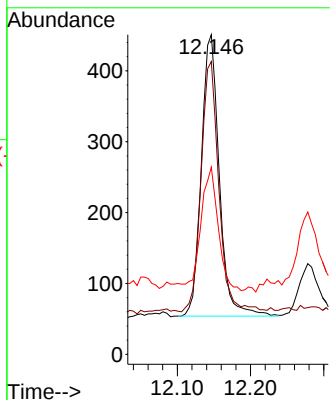
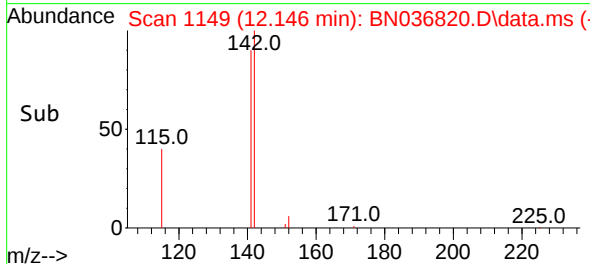
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125



Tgt Ion:142 Resp: 670
Ion Ratio Lower Upper
142 100
141 91.6 71.7 107.5
115 58.5 38.3 57.5

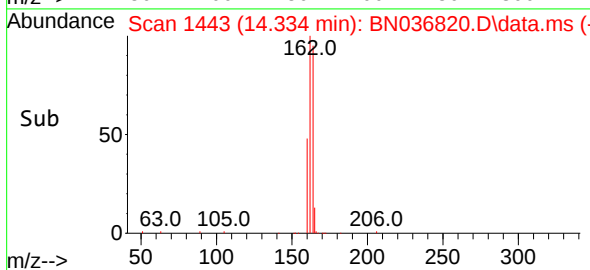
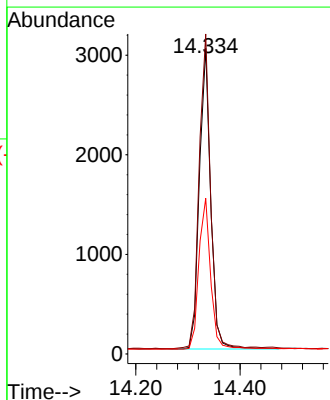
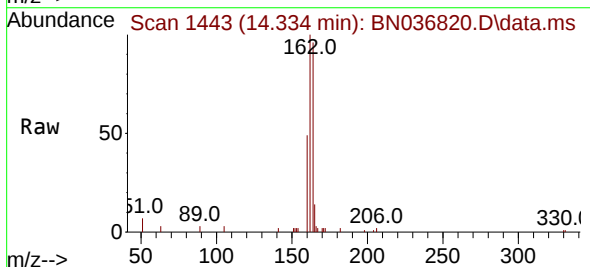
Manual Integrations
APPROVED

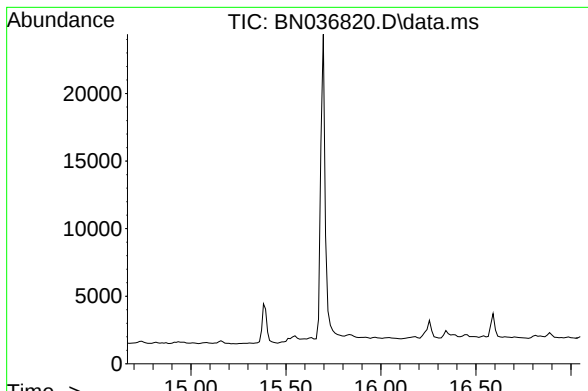
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.334 min Scan# 1443
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:164 Resp: 4532
Ion Ratio Lower Upper
164 100
162 104.7 84.2 126.2
160 50.9 42.2 63.2





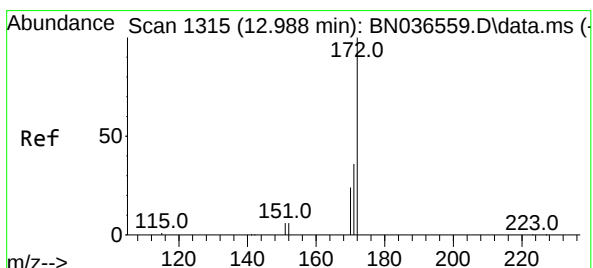
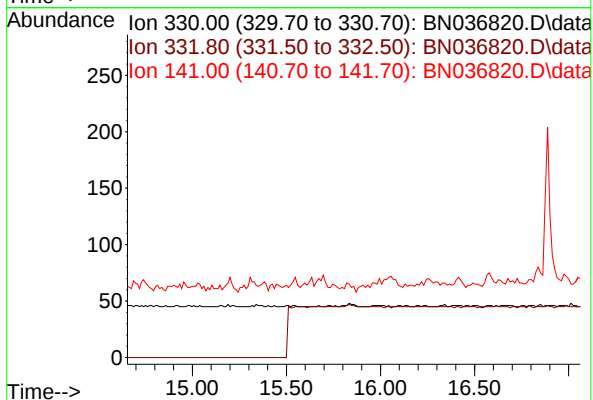
#14
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 15.86 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-040125

Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 94.0
 141 54.3

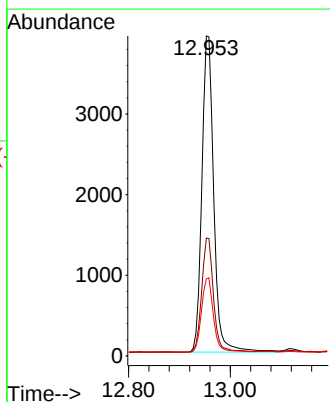
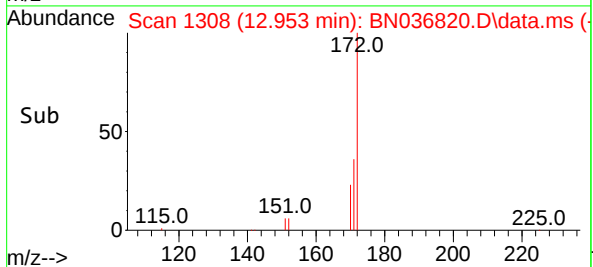
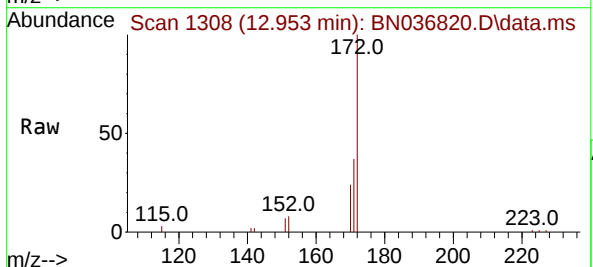
Manual Integrations
 APPROVED

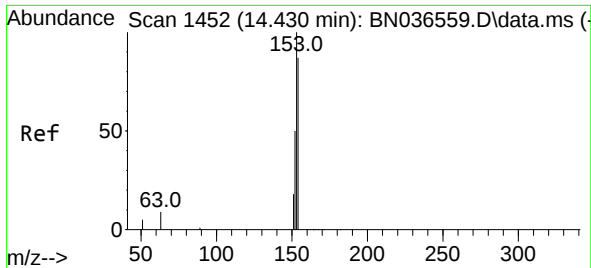
Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025



#15
 2-Fluorobiphenyl
 Concen: 0.308 ng
 RT: 12.953 min Scan# 1308
 Delta R.T. -0.035 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

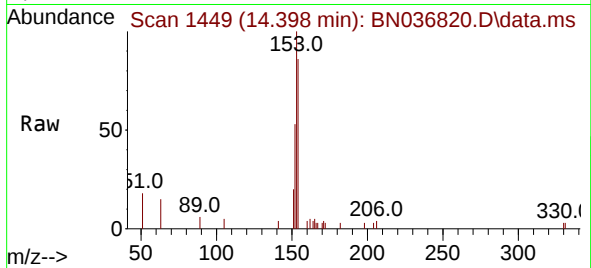
Tgt Ion:172 Resp: 8110
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.5 44.3
 170 24.1 20.2 30.4





#17
Acenaphthene
Concen: 0.141 ng
RT: 14.398 min Scan# 1449
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

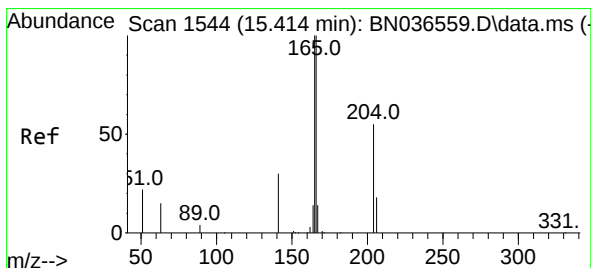
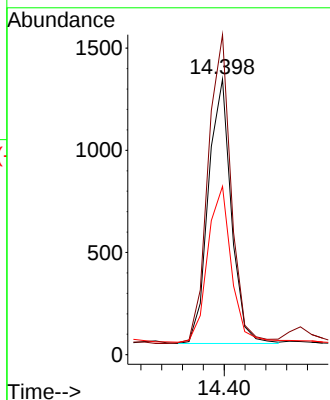
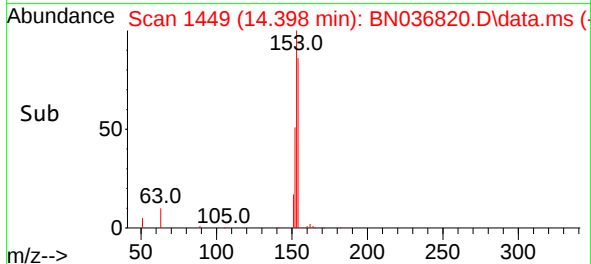
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125



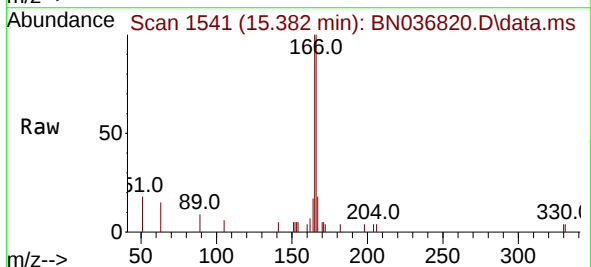
Tgt Ion:154 Resp: 196
Ion Ratio Lower Upper
154 100
153 118.0 94.1 141.1
152 63.7 49.8 74.6

Manual Integrations
APPROVED

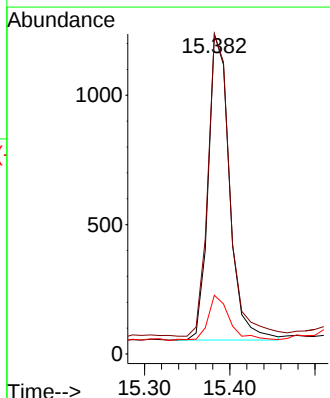
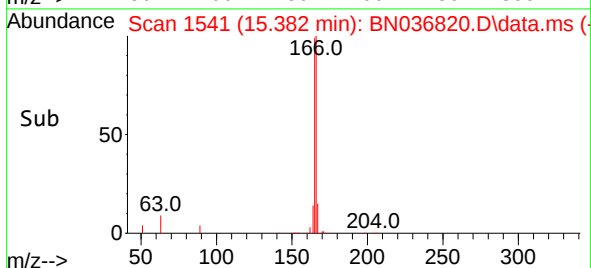
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

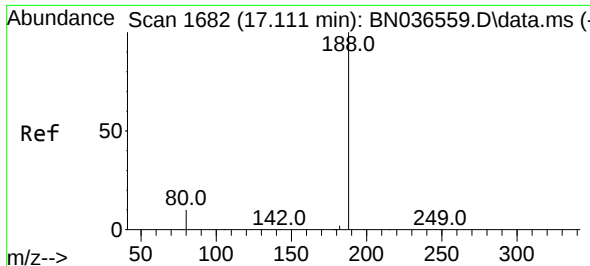


#18
Fluorene
Concen: 0.108 ng
RT: 15.382 min Scan# 1541
Delta R.T. -0.032 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37



Tgt Ion:166 Resp: 2050
Ion Ratio Lower Upper
166 100
165 101.3 79.8 119.8
167 15.4 10.6 15.8





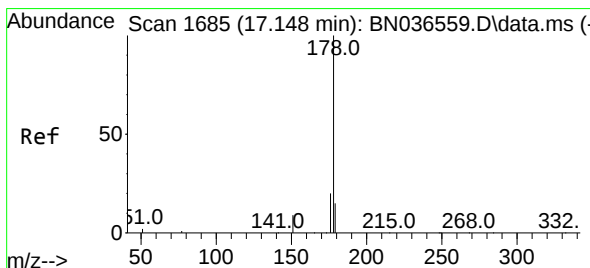
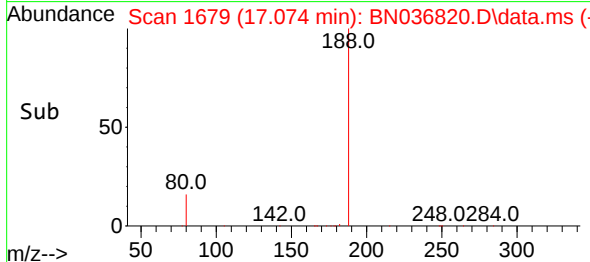
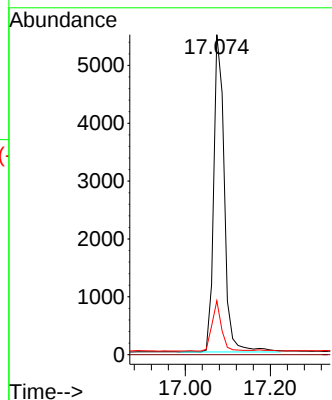
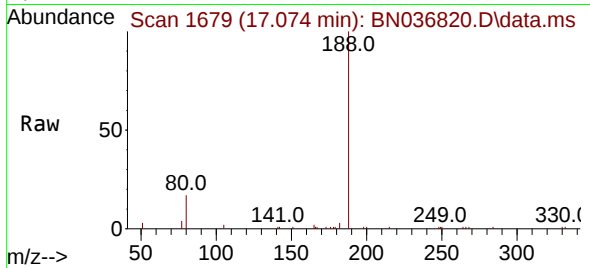
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.074 min Scan# 1679
Delta R.T. -0.037 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

Tgt Ion:188 Resp: 9500
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 16.9 8.8 13.2

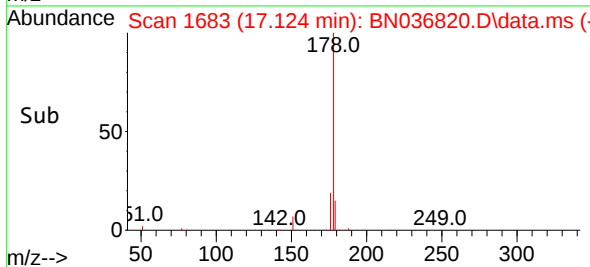
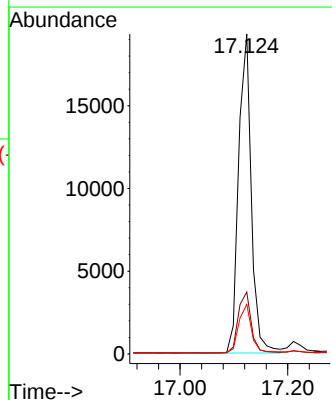
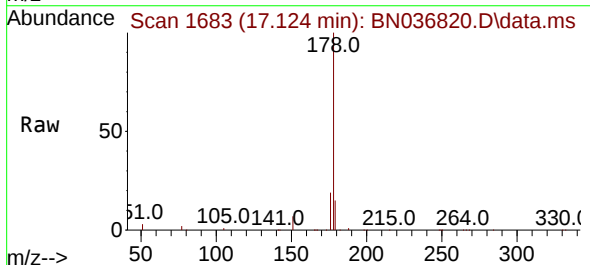
Manual Integrations
APPROVED

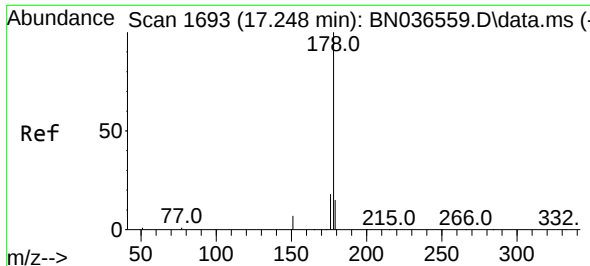
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#25
Phenanthrene
Concen: 1.100 ng
RT: 17.124 min Scan# 1683
Delta R.T. -0.025 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

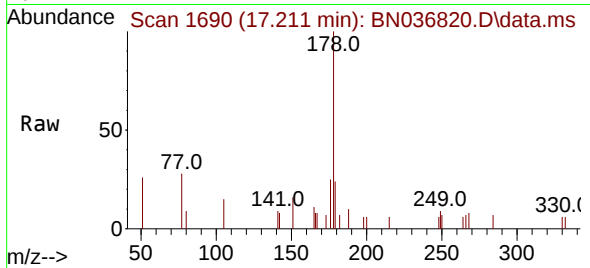
Tgt Ion:178 Resp: 31370
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.2 12.2 18.4





#26
 Anthracene
 Concen: 0.056 ng m
 RT: 17.211 min Scan# 1690
 Delta R.T. -0.037 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

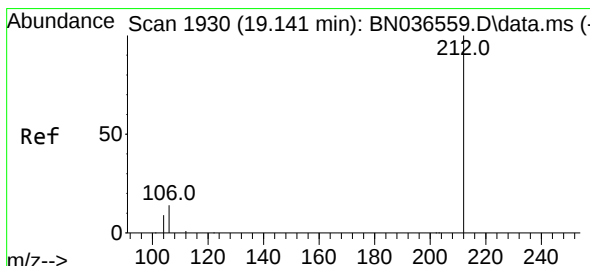
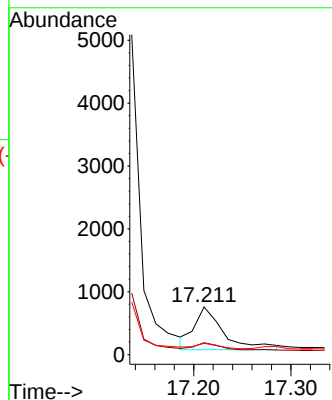
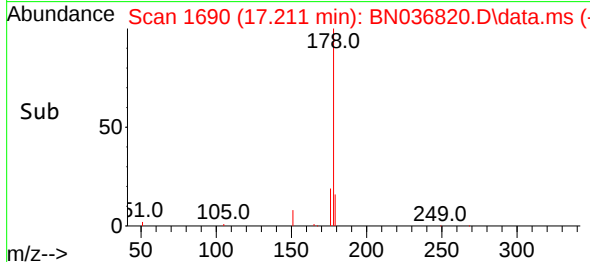
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-040125



Tgt Ion:178 Resp: 143
 Ion Ratio Lower Upper
 178 100
 176 429.4 15.4 23.2
 179 332.4 12.6 18.8

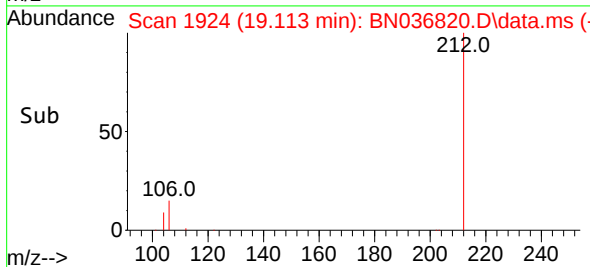
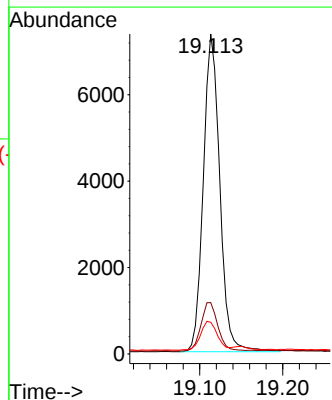
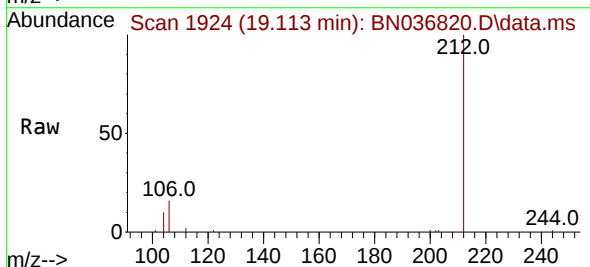
Manual Integrations
 APPROVED

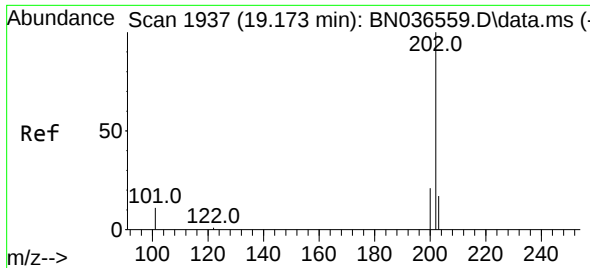
Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025



#27
 Fluoranthene-d10
 Concen: 0.418 ng
 RT: 19.113 min Scan# 1924
 Delta R.T. -0.028 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

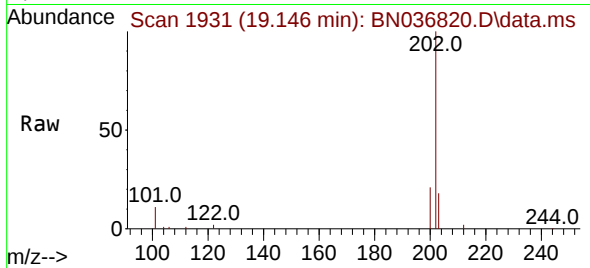
Tgt Ion:212 Resp: 10192
 Ion Ratio Lower Upper
 212 100
 106 15.7 11.8 17.6
 104 9.2 7.3 10.9





#28
Fluoranthene
Concen: 0.557 ng
RT: 19.146 min Scan# 1937
Delta R.T. -0.028 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

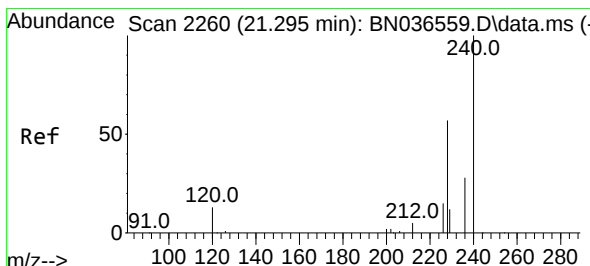
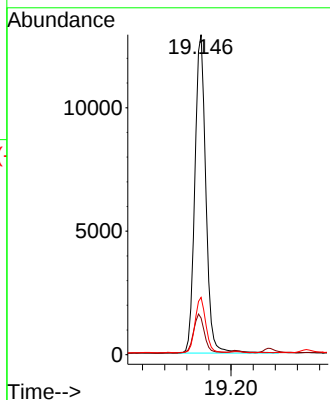
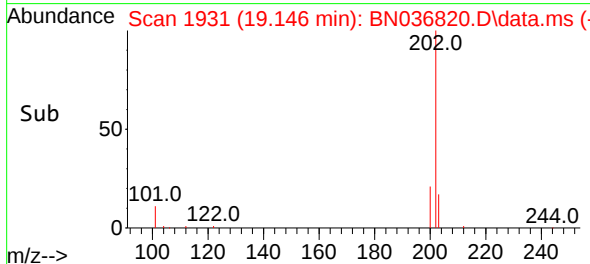
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125



Tgt Ion:202 Resp: 17850
Ion Ratio Lower Upper
202 100
101 12.1 9.4 14.0
203 16.9 13.5 20.3

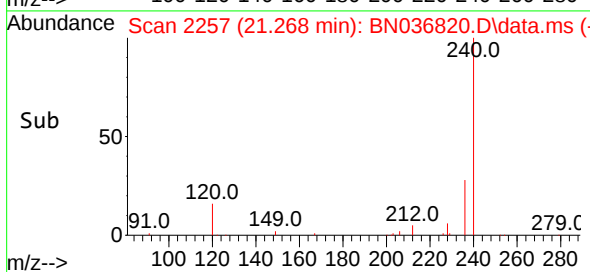
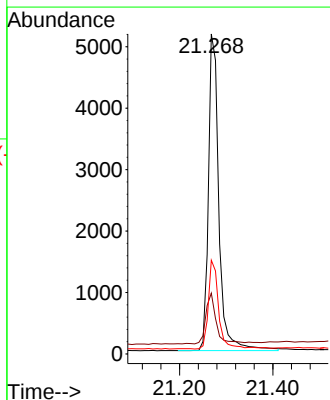
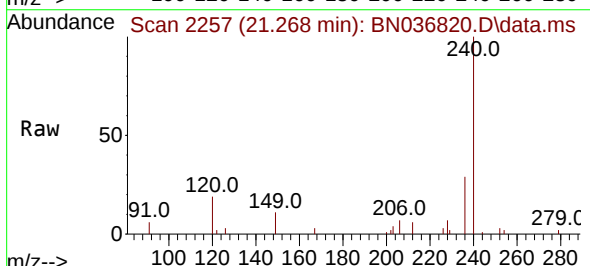
Manual Integrations
APPROVED

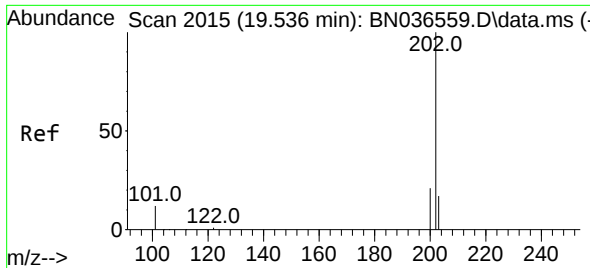
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.027 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Tgt Ion:240 Resp: 8074
Ion Ratio Lower Upper
240 100
120 19.0 14.6 22.0
236 29.3 24.1 36.1





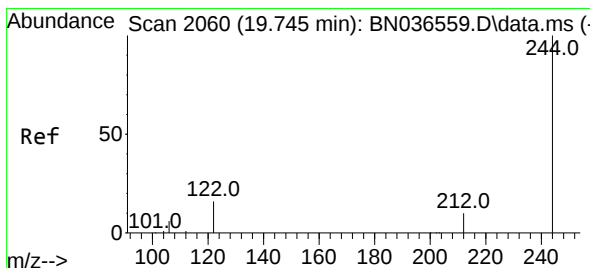
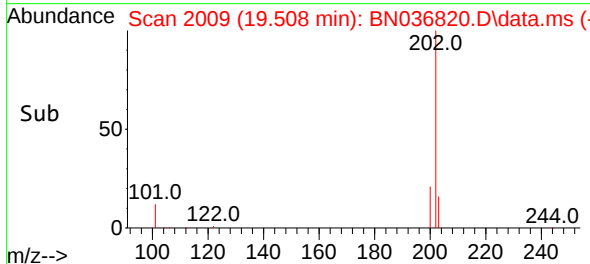
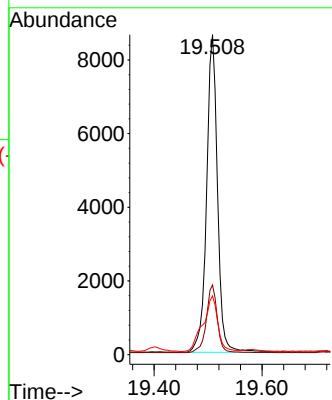
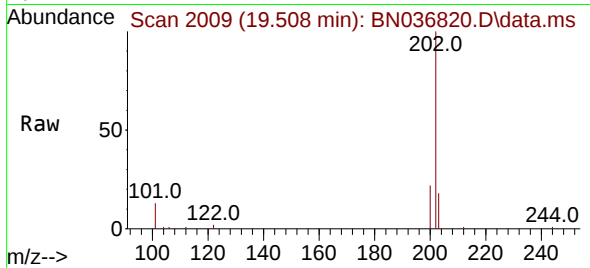
#30
Pyrene
Concen: 0.307 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.028 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125

Tgt Ion:202 Resp: 1212
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 23.6 14.1 21.1

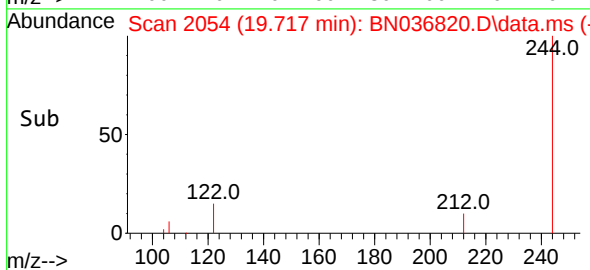
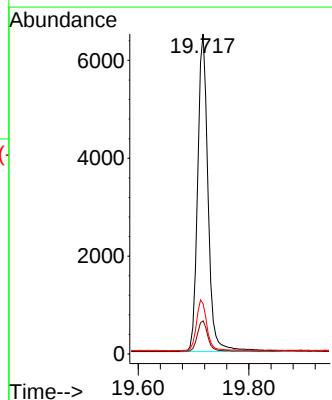
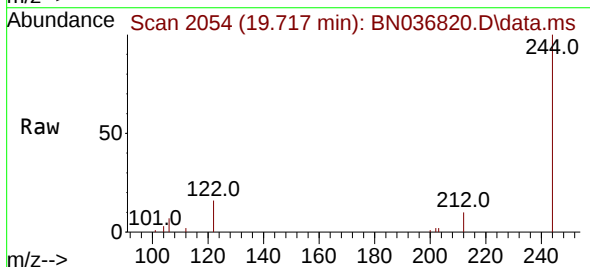
Manual Integrations
APPROVED

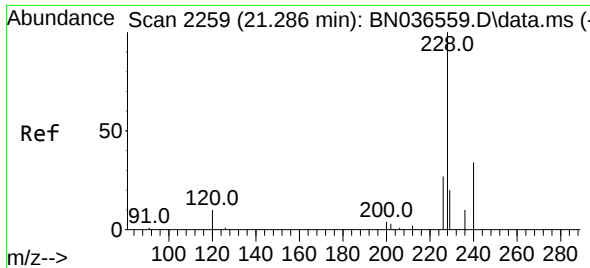
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025



#31
Terphenyl-d14
Concen: 0.440 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.028 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

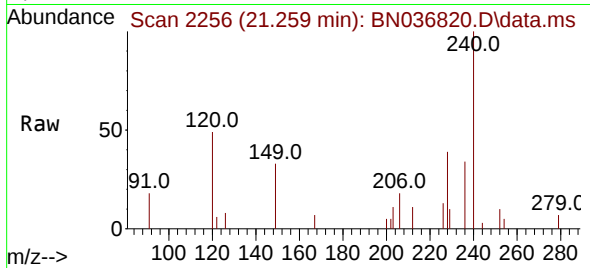
Tgt Ion:244 Resp: 8517
Ion Ratio Lower Upper
244 100
212 10.4 9.6 14.4
122 15.7 13.9 20.9





#32
Benzo(a)anthracene
Concen: 0.032 ng
RT: 21.259 min Scan# 21256
Delta R.T. -0.027 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37

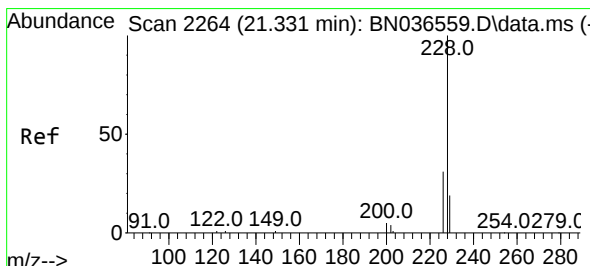
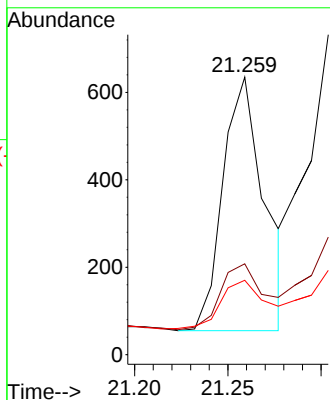
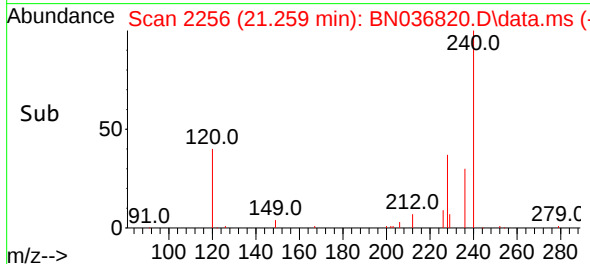
Instrument :
BNA_N
ClientSampleId :
MW-19B-72-040125



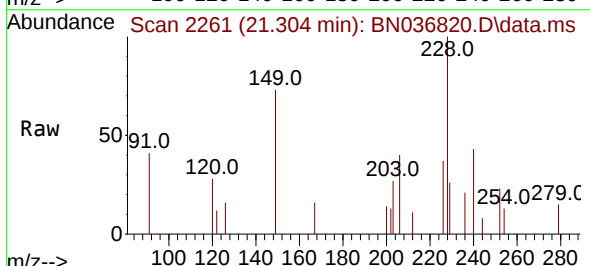
Tgt Ion:228 Resp: 90
Ion Ratio Lower Upper
228 100
226 32.8 22.5 33.7
229 26.8 16.6 25.0

Manual Integrations
APPROVED

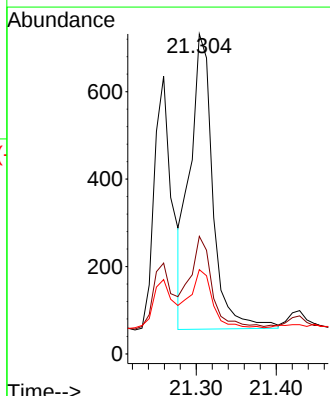
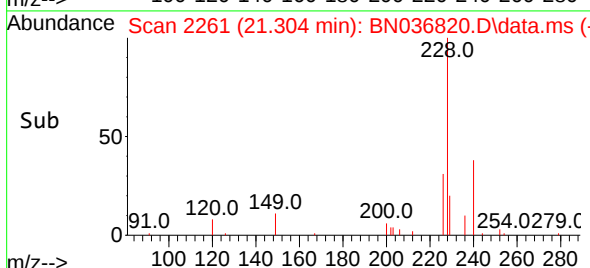
Reviewed By :Rahul Chavli 04/04/2025
Supervised By :Jagrut Upadhyay 04/04/2025

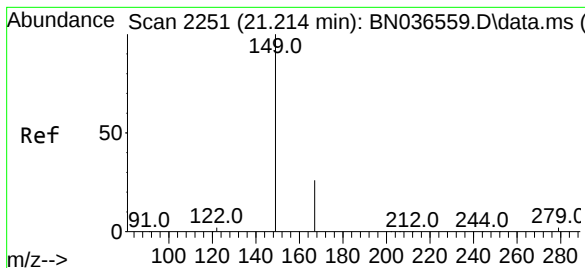


#33
Chrysene
Concen: 0.044 ng
RT: 21.304 min Scan# 2261
Delta R.T. -0.027 min
Lab File: BN036820.D
Acq: 03 Apr 2025 13:37



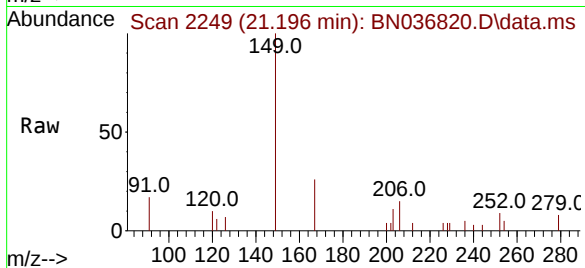
Tgt Ion:228 Resp: 1348
Ion Ratio Lower Upper
228 100
226 36.7 25.3 37.9
229 26.4 15.8 23.8





#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.083 ng
 RT: 21.196 min Scan# 2118
 Delta R.T. -0.018 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

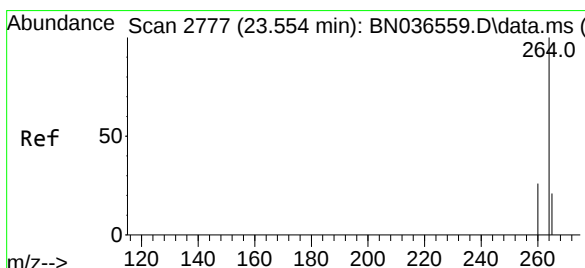
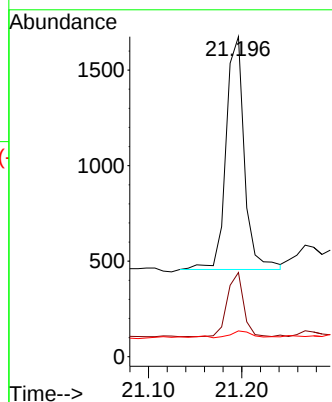
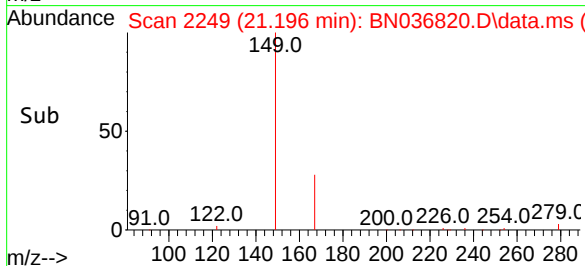
Instrument :
 BNA_N
 ClientSampleId :
 MW-19B-72-040125



Tgt Ion:149 Resp: 166
 Ion Ratio Lower Upper
 149 100
 167 24.5 20.7 31.1
 279 3.2 3.6 5.4

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/04/2025
 Supervised By :Jagrut Upadhyay 04/04/2025



#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.513 min Scan# 2763
 Delta R.T. -0.041 min
 Lab File: BN036820.D
 Acq: 03 Apr 2025 13:37

Tgt Ion:264 Resp: 7150
 Ion Ratio Lower Upper
 264 100
 260 26.5 22.6 33.8
 265 66.7 88.1 132.1

