

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025591.D
 Acq On : 26 Aug 2025 18:41
 Operator : CG/JU
 Sample : Q2936-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW-19B-082125

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/27/2025
 Supervised By :Jagrut Upadhyay 08/27/2025

Quant Time: Aug 27 05:32:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	193167	20.000	ng	-0.02
21) Naphthalene-d8	10.566	136	711886	20.000	ng	0.00
39) Acenaphthene-d10	14.395	164	504940	20.000	ng	-0.01
64) Phenanthrene-d10	17.201	188	978534	20.000	ng	# 0.00
76) Chrysene-d12	21.642	240	1047856	20.000	ng	0.00
86) Perylene-d12	25.024	264	1242891	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	799105	68.701	ng	0.00
7) Phenol-d6	6.972	99	663269	44.477	ng	0.00
23) Nitrobenzene-d5	8.925	82	1183427	84.092	ng	-0.01
42) 2,4,6-Tribromophenol	15.913	330	909718	133.850	ng	0.00
45) 2-Fluorobiphenyl	13.007	172	2732706	73.964	ng	-0.01
79) Terphenyl-d14	19.919	244	4359257	76.113	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.996	94	269953	17.251	ng	97
20) 3+4-Methylphenols	8.549	107	67490	4.480	ng	96
27) 2,4-Dimethylphenol	9.743	122	674579	60.772	ng	98
31) Naphthalene	10.613	128	44263507m	1196.290	ng	
37) 2-Methylnaphthalene	12.213	142	4152595	172.457	ng	98
38) 1-Methylnaphthalene	12.443	142	6717668	262.337	ng	99
46) 1,1'-Biphenyl	13.225	154	693183	18.902	ng	99
52) Acenaphthene	14.466	154	3134160	113.029	ng	99
55) Dibenzofuran	14.801	168	1256333	28.658	ng	99
58) Fluorene	15.466	166	1247471	36.062	ng	100
71) Phenanthrene	17.248	178	1153013	21.450	ng	100
73) Carbazole	17.619	167	1069013	20.675	ng	99

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

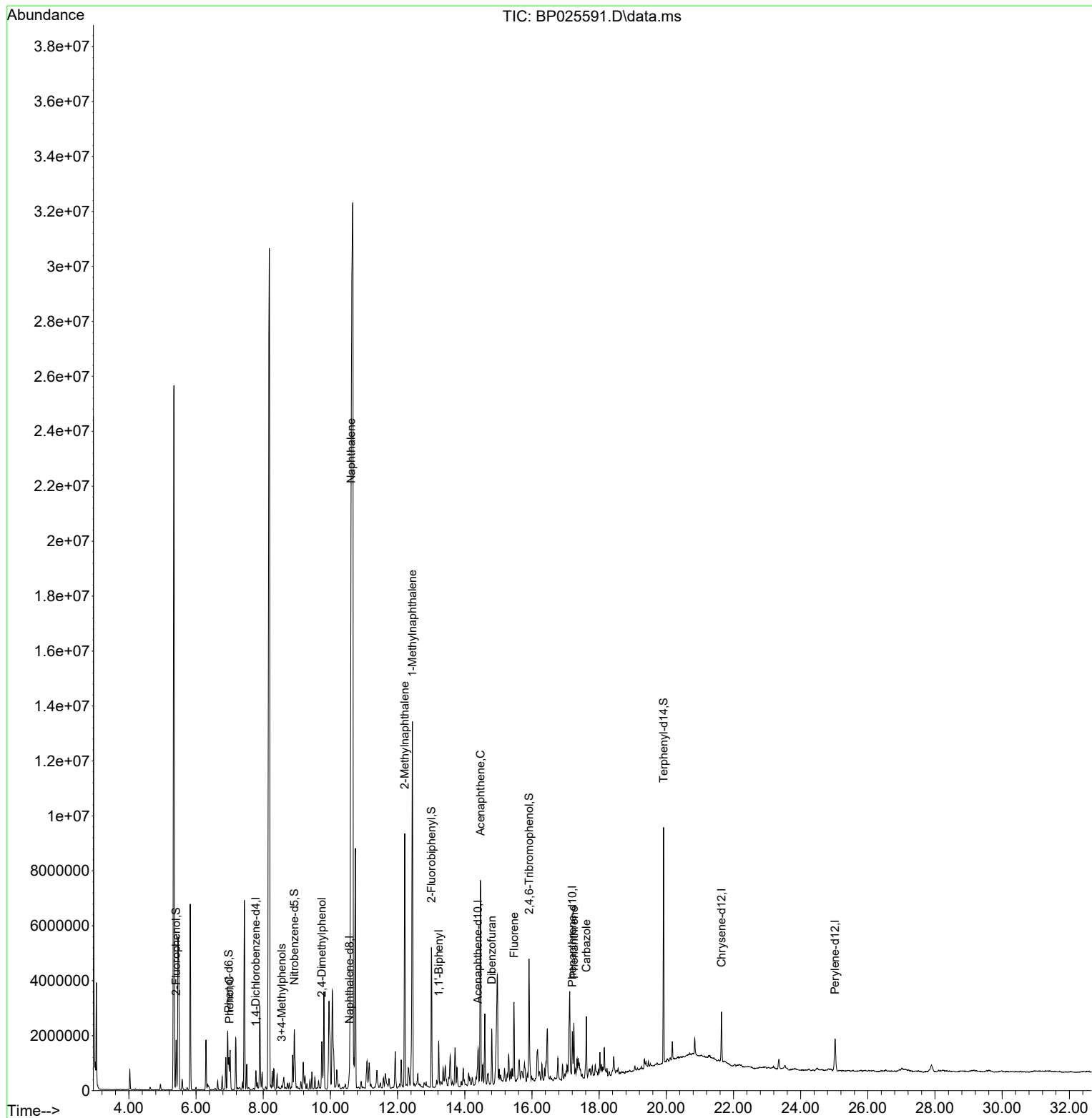
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025591.D
Acq On : 26 Aug 2025 18:41
Operator : CG/JU
Sample : Q2936-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

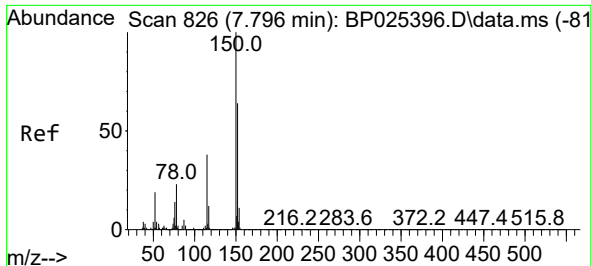
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

Quant Time: Aug 27 05:32:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





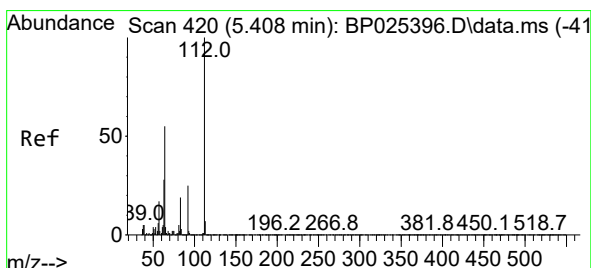
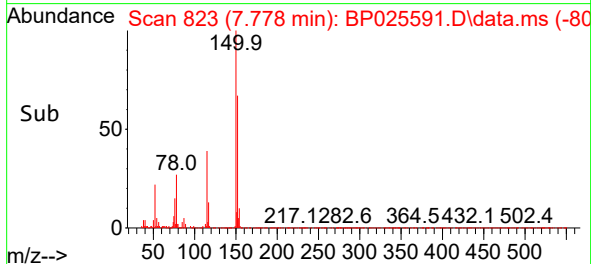
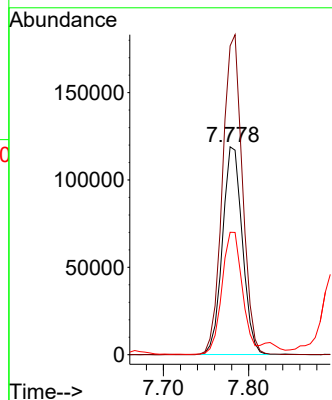
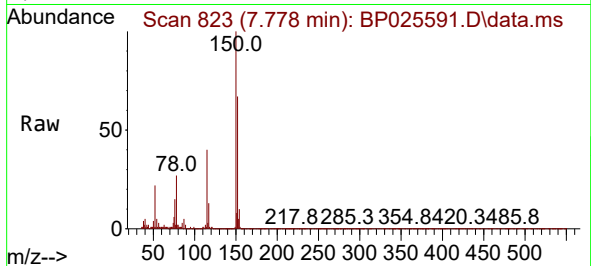
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

Tgt Ion:152 Resp: 19316
Ion Ratio Lower Upper
152 100
150 148.6 125.9 188.9
115 58.9 48.5 72.7

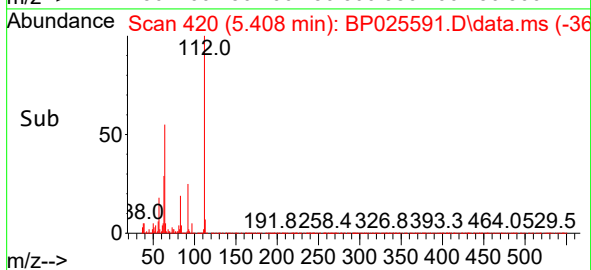
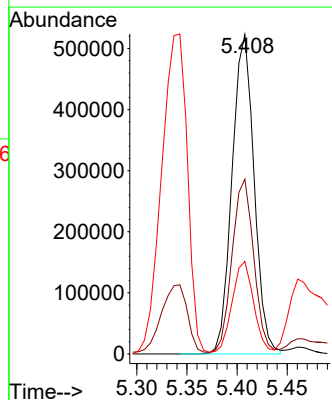
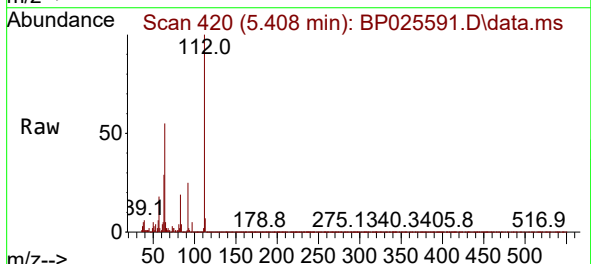
Manual Integrations
APPROVED

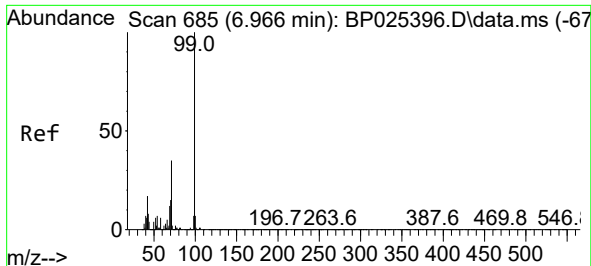
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025



#5
2-Fluorophenol
Concen: 68.701 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

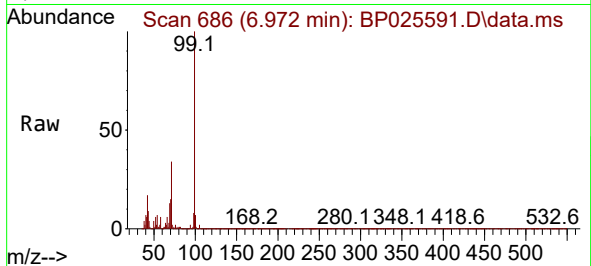
Tgt Ion:112 Resp: 799105
Ion Ratio Lower Upper
112 100
64 54.7 43.8 65.8
63 28.9 22.7 34.1





#7
Phenol-d6
Concen: 44.477 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

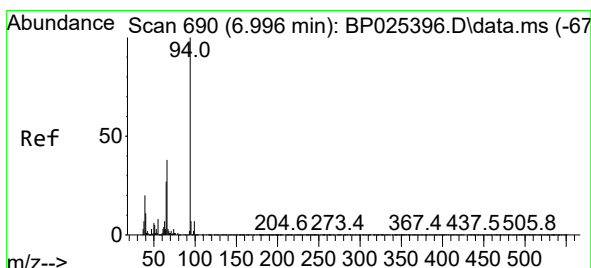
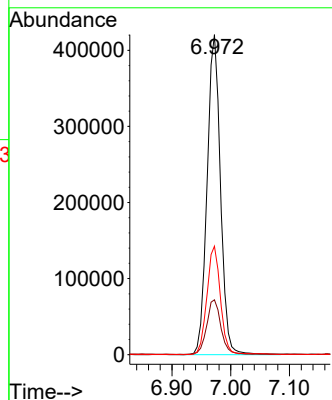
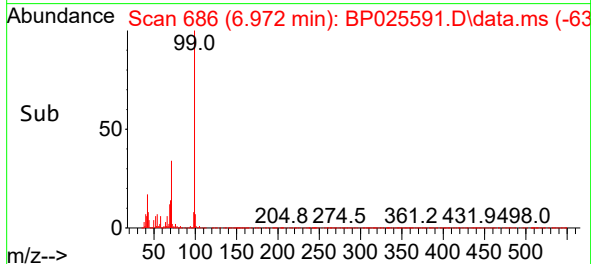
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125



Tgt Ion: 99 Resp: 663269
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 33.9 28.2 42.4

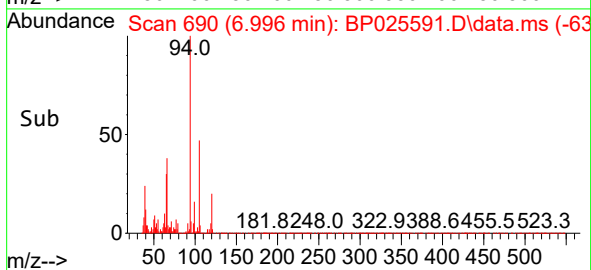
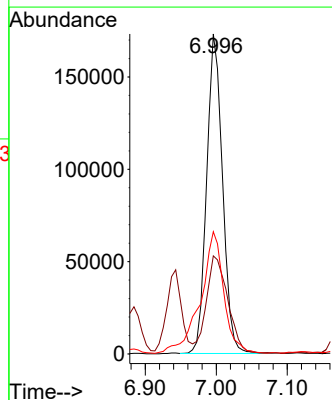
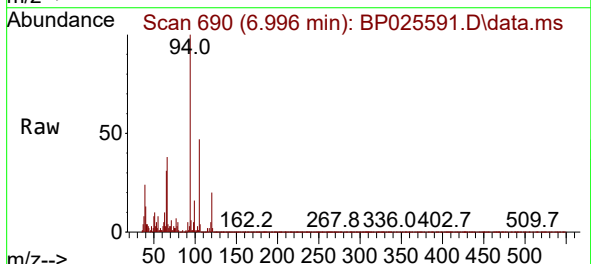
Manual Integrations
APPROVED

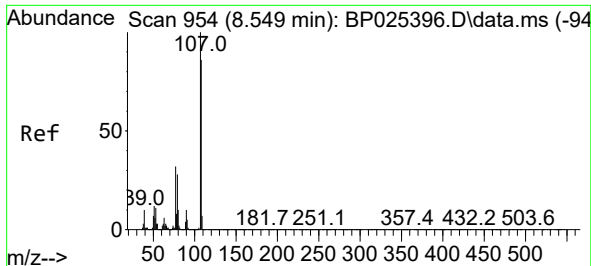
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025



#10
Phenol
Concen: 17.251 ng
RT: 6.996 min Scan# 690
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Tgt Ion: 94 Resp: 269953
Ion Ratio Lower Upper
94 100
65 30.6 6.8 46.8
66 38.2 18.2 58.2





#20

3+4-Methylphenols

Concen: 4.480 ng

RT: 8.549 min Scan# 954

Delta R.T. 0.000 min

Lab File: BP025591.D

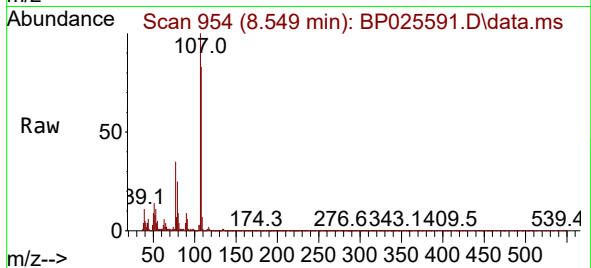
Acq: 26 Aug 2025 18:41

Instrument :

BNA_P

ClientSampleId :

MW-19B-082125



Tgt Ion:107 Resp: 67490

Ion Ratio Lower Upper

107 100

108 83.0 66.3 106.3

77 35.3 12.3 52.3

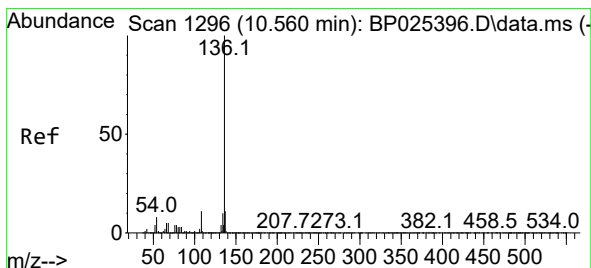
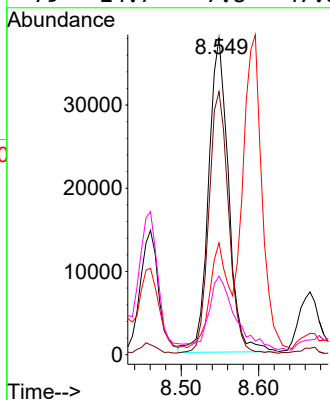
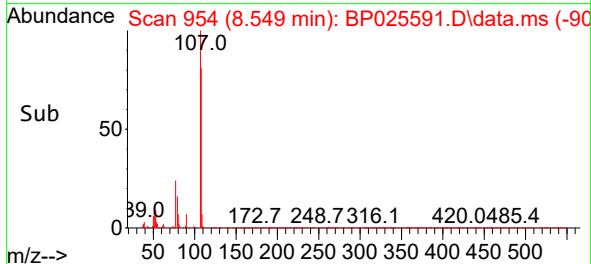
79 24.7 7.8 47.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/27/2025

Supervised By :Jagrut Upadhyay 08/27/2025



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.566 min Scan# 1297

Delta R.T. 0.006 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

Tgt Ion:136 Resp: 711886

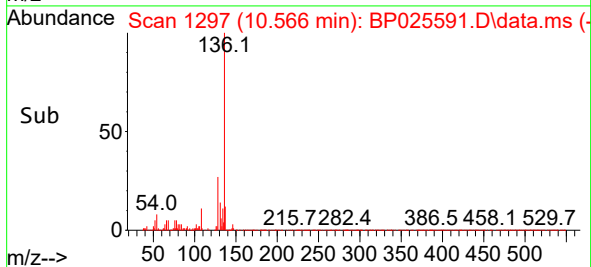
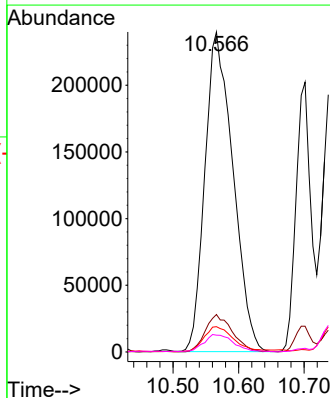
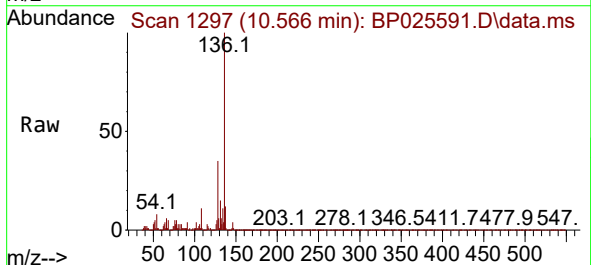
Ion Ratio Lower Upper

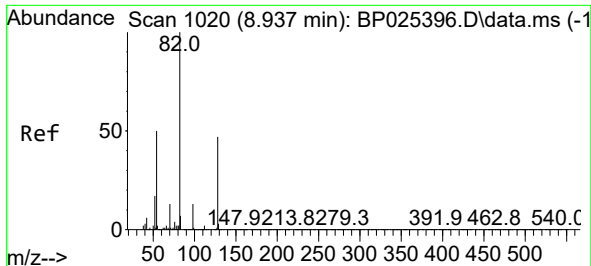
136 100

137 11.7 9.2 13.8

54 7.9 6.0 9.0

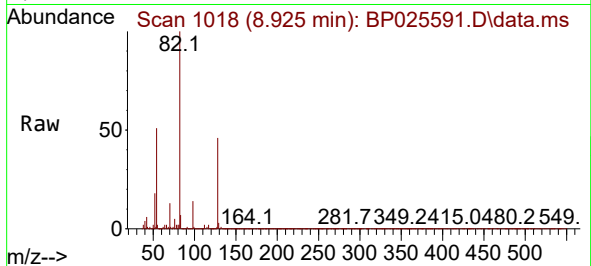
68 5.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 84.092 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

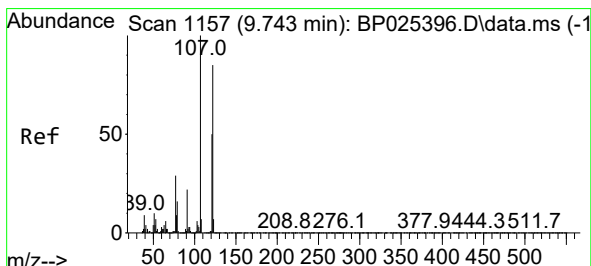
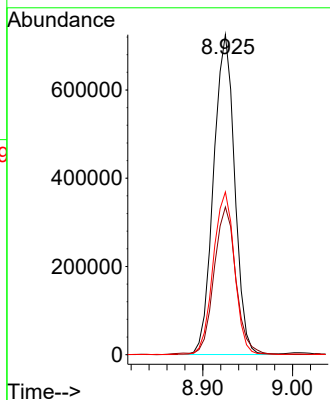
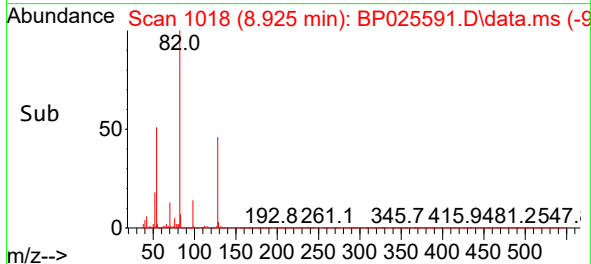
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125



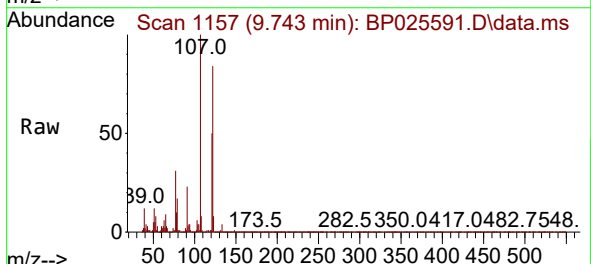
Tgt Ion: 82 Resp: 118342
Ion Ratio Lower Upper
82 100
128 46.1 37.7 56.5
54 50.8 39.8 59.6

Manual Integrations
APPROVED

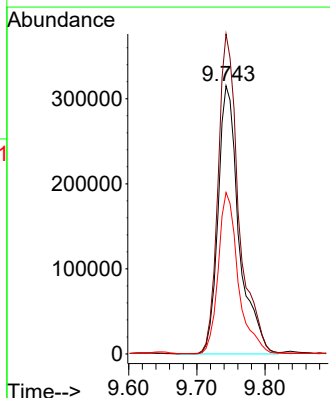
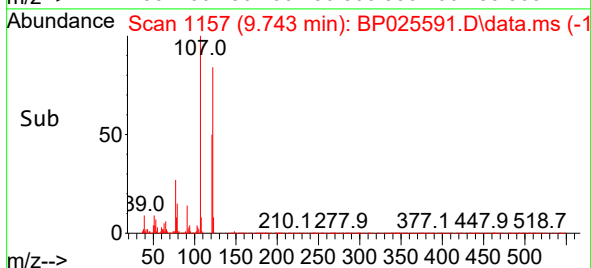
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

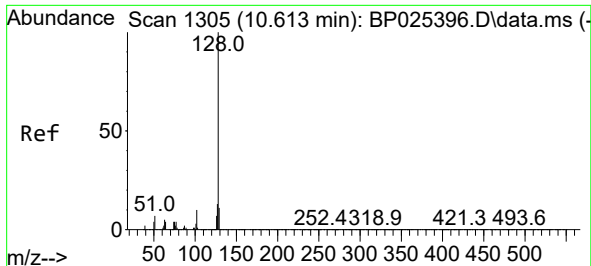


#27
2,4-Dimethylphenol
Concen: 60.772 ng
RT: 9.743 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41



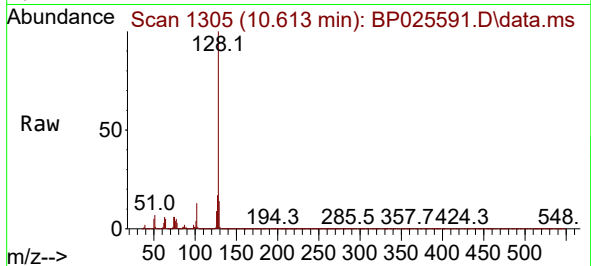
Tgt Ion:122 Resp: 674579
Ion Ratio Lower Upper
122 100
107 119.4 93.7 140.5
121 60.2 46.6 69.8





#31
Naphthalene
Concen: 1196.290 ng m
RT: 10.613 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

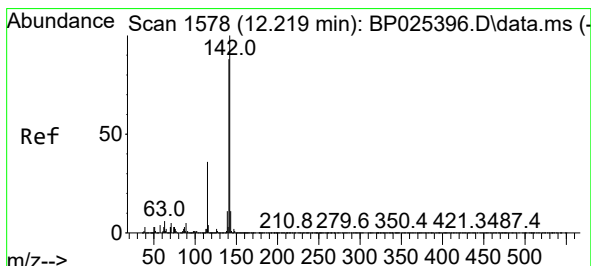
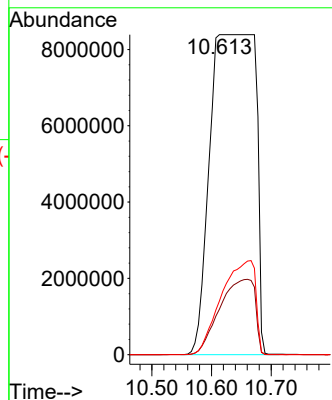
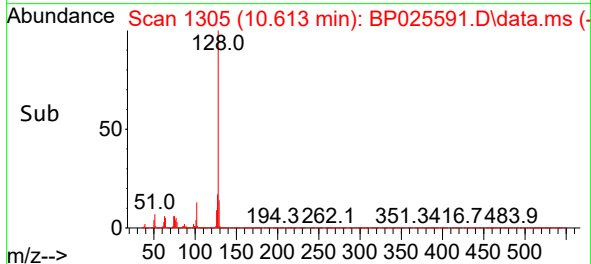
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125



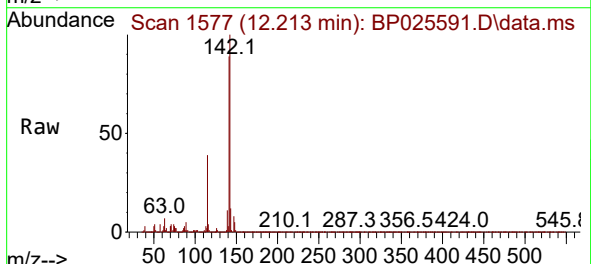
Tgt Ion:128 Resp:4426350
Ion Ratio Lower Upper
128 100
129 14.2 8.6 13.0
127 16.8 10.7 16.1

Manual Integrations
APPROVED

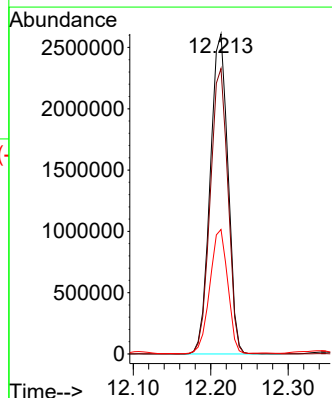
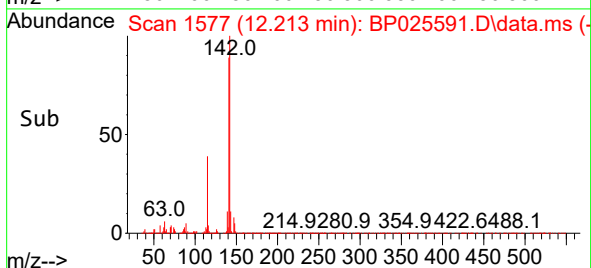
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

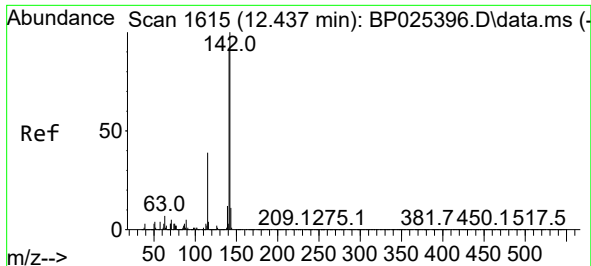


#37
2-Methylnaphthalene
Concen: 172.457 ng
RT: 12.213 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41



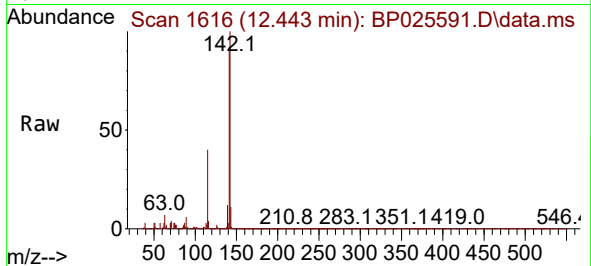
Tgt Ion:142 Resp: 4152595
Ion Ratio Lower Upper
142 100
141 89.2 70.3 105.5
115 38.9 28.9 43.3





#38
1-Methylnaphthalene
Concen: 262.337 ng
RT: 12.443 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

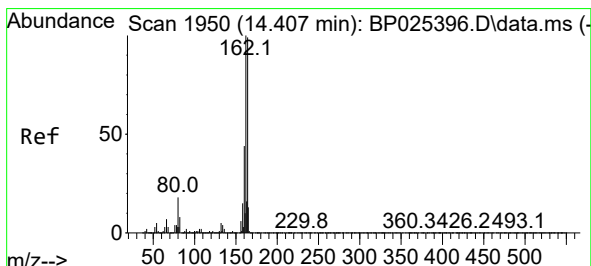
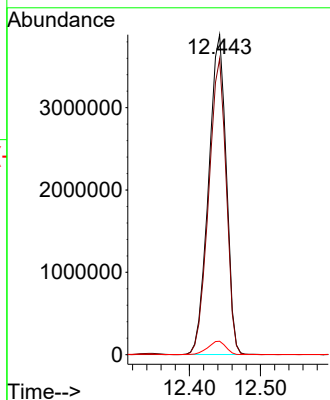
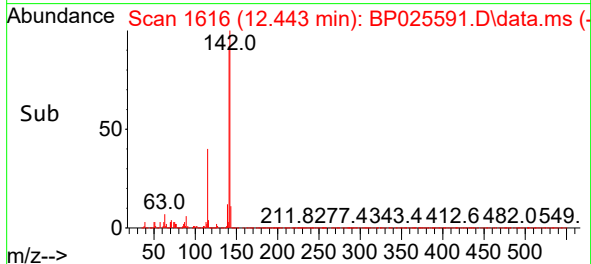
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125



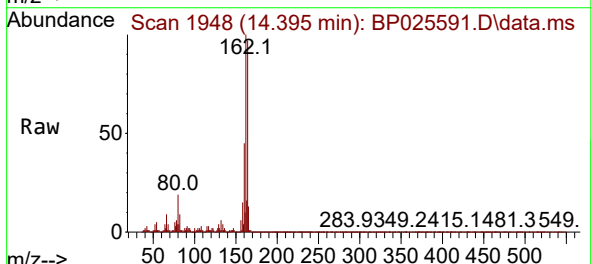
Tgt Ion:142 Resp: 671766
Ion Ratio Lower Upper
142 100
141 92.5 73.1 109.7
116 4.2 3.2 4.8

Manual Integrations
APPROVED

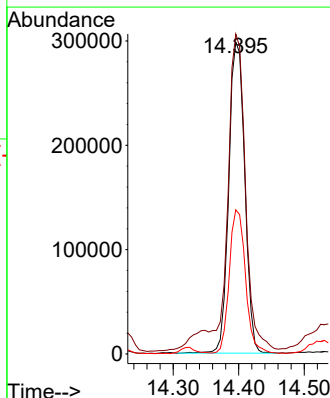
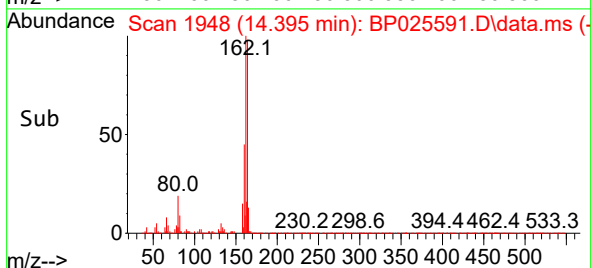
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

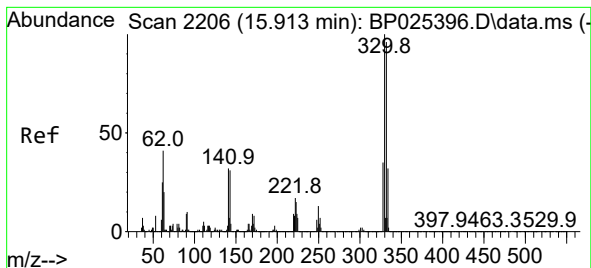


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.395 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41



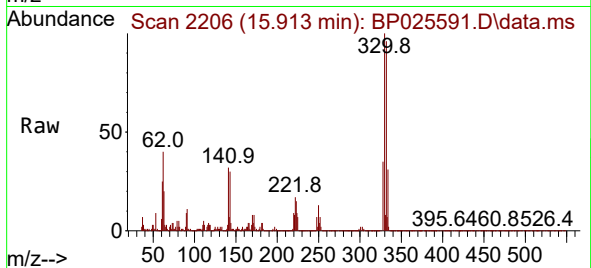
Tgt Ion:164 Resp: 504940
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.6
160 46.2 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 133.850 ng
RT: 15.913 min Scan# 2206
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

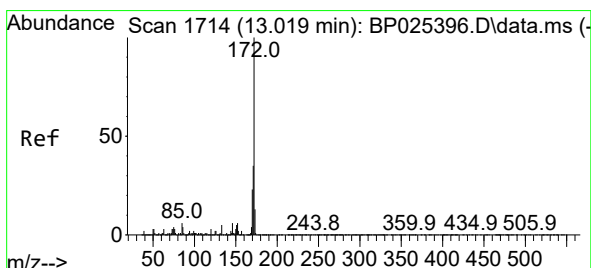
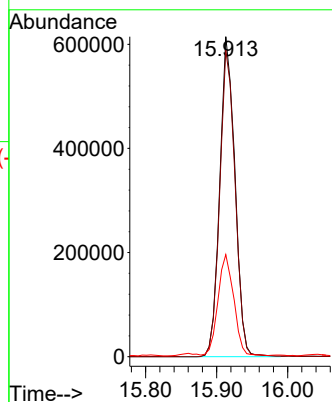
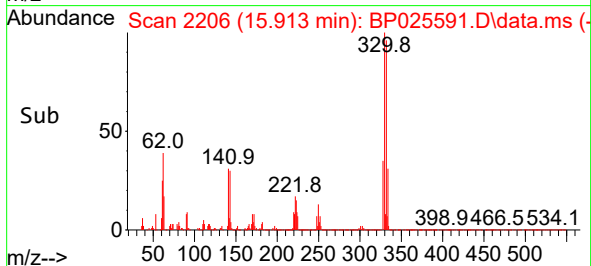
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125



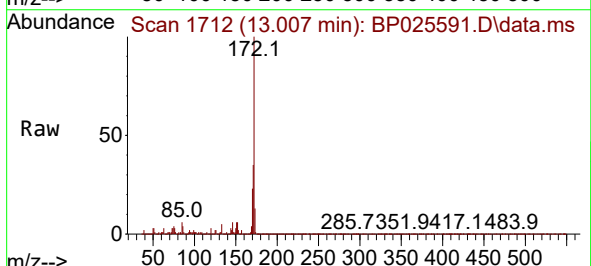
Tgt Ion: 330 Resp: 909718
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 32.7 26.6 39.8

Manual Integrations
APPROVED

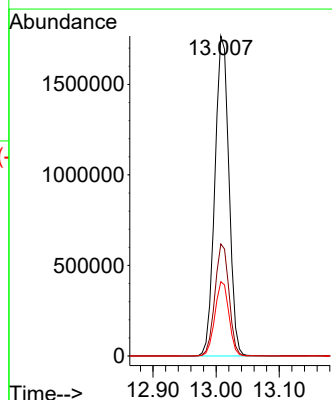
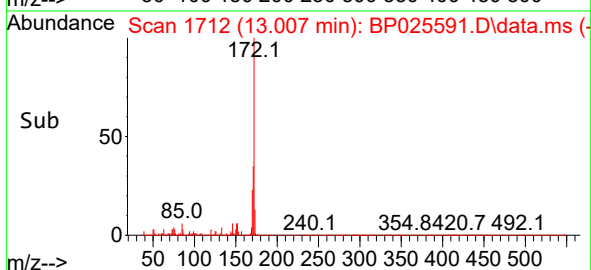
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

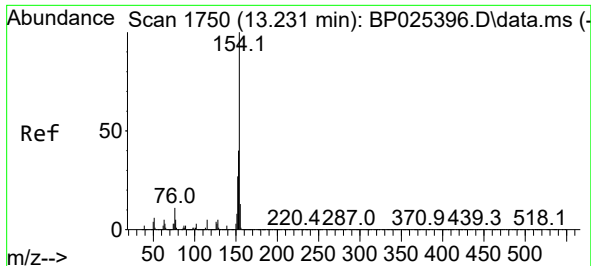


#45
2-Fluorobiphenyl
Concen: 73.964 ng
RT: 13.007 min Scan# 1712
Delta R.T. -0.012 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41



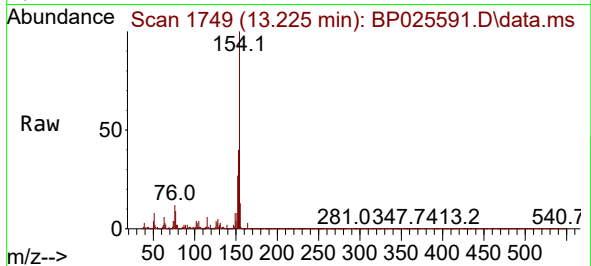
Tgt Ion: 172 Resp: 2732706
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.2 18.6 28.0





#46
1,1'-Biphenyl
Concen: 18.902 ng
RT: 13.225 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

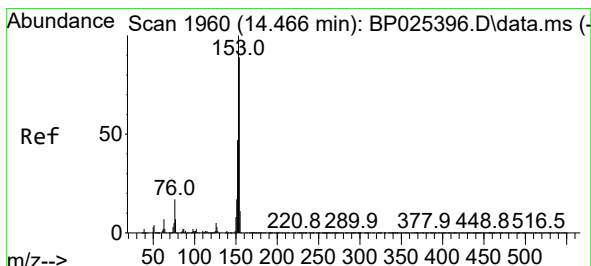
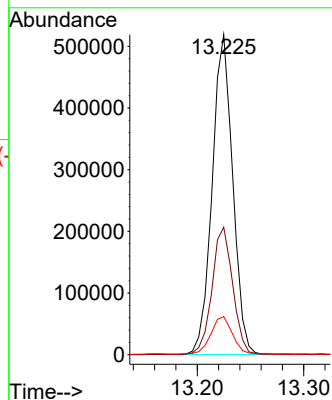
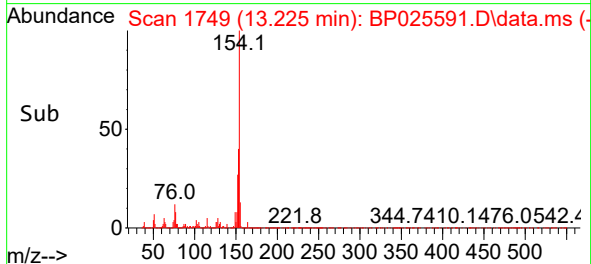
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125



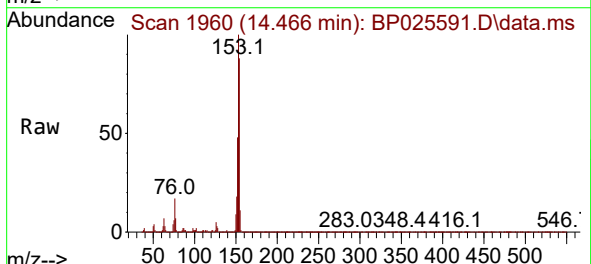
Tgt Ion:154 Resp: 69318
Ion Ratio Lower Upper
154 100
153 39.9 19.5 59.5
76 11.9 0.0 31.1

Manual Integrations
APPROVED

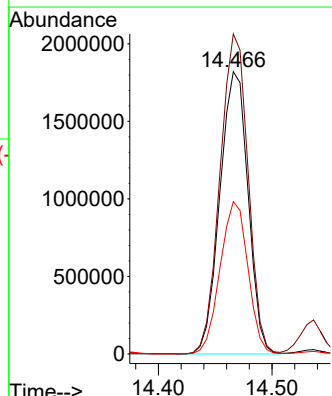
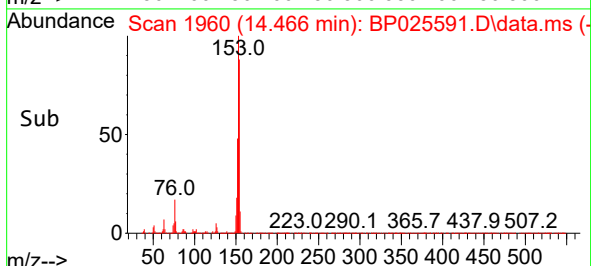
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

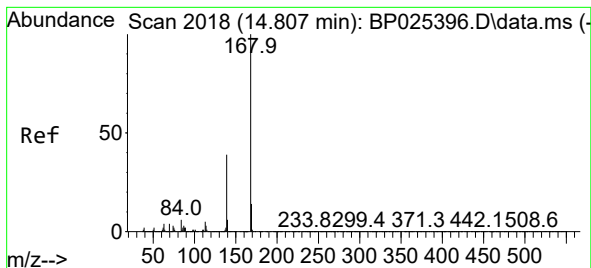


#52
Acenaphthene
Concen: 113.029 ng
RT: 14.466 min Scan# 1960
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41



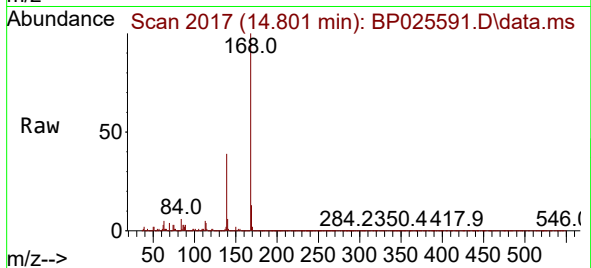
Tgt Ion:154 Resp: 3134160
Ion Ratio Lower Upper
154 100
153 113.4 90.2 135.2
152 54.0 42.1 63.1





#55
Dibenzofuran
Concen: 28.658 ng
RT: 14.801 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

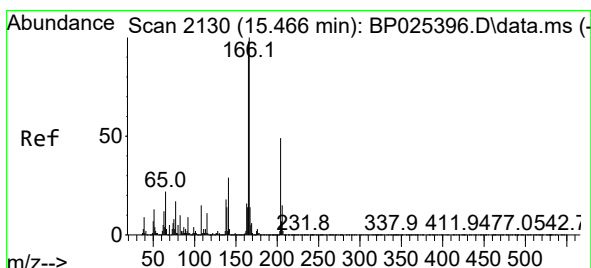
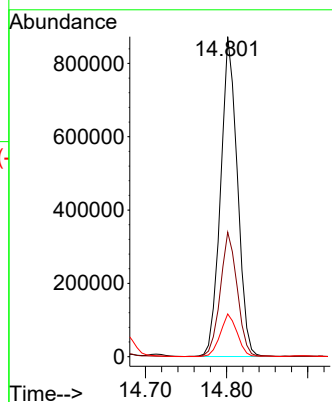
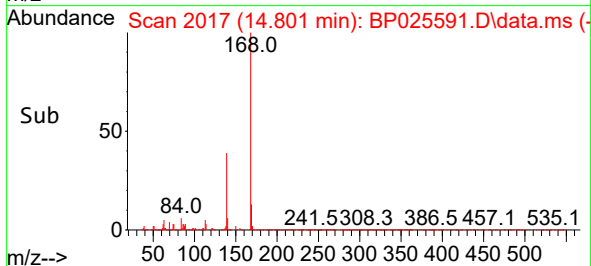
Instrument :
BNA_P
ClientSampleId :
MW-19B-082125



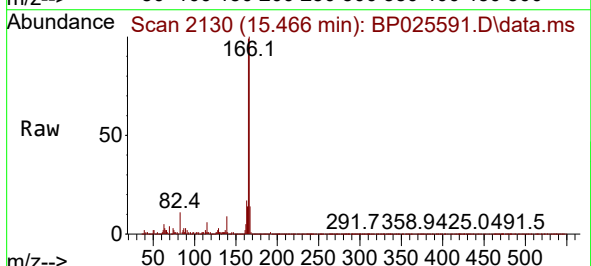
Tgt Ion:168 Resp: 125633
Ion Ratio Lower Upper
168 100
139 38.9 31.5 47.3
169 13.4 10.9 16.3

Manual Integrations
APPROVED

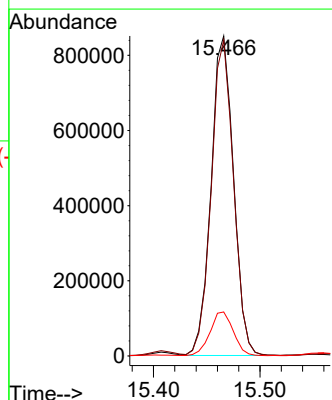
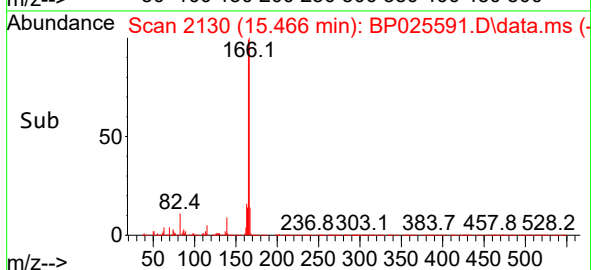
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

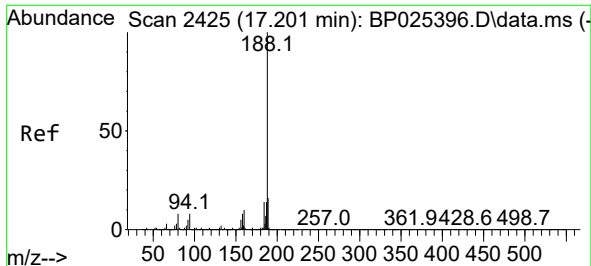


#58
Fluorene
Concen: 36.062 ng
RT: 15.466 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41



Tgt Ion:166 Resp: 1247471
Ion Ratio Lower Upper
166 100
165 98.7 78.8 118.2
167 13.8 11.0 16.4





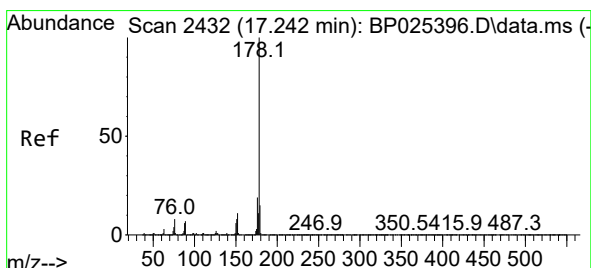
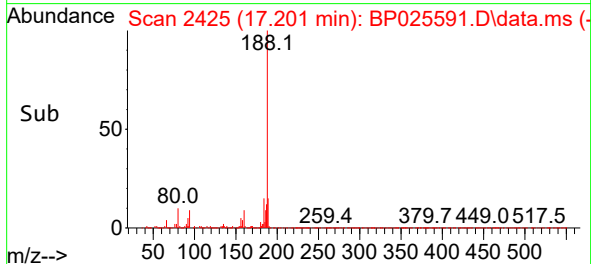
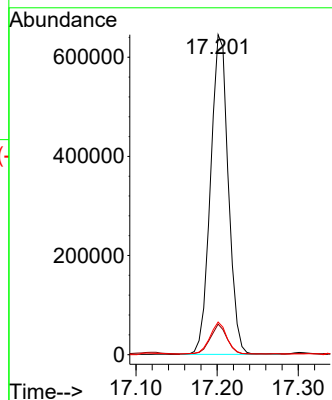
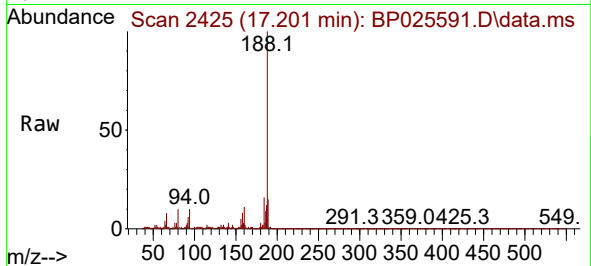
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.201 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

Instrument :
BNA_P
ClientSampleId :
MW-19B-082125

Tgt Ion:188 Resp: 978534
Ion Ratio Lower Upper
188 100
94 9.5 6.6 10.0
80 10.2 6.7 10.1

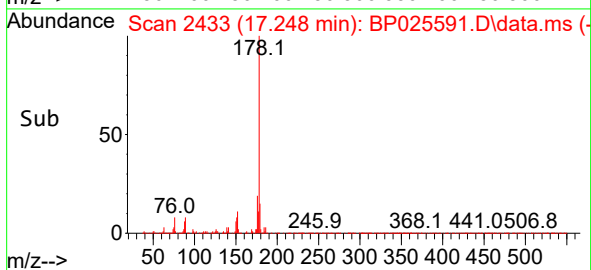
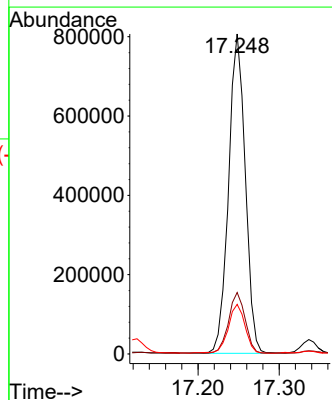
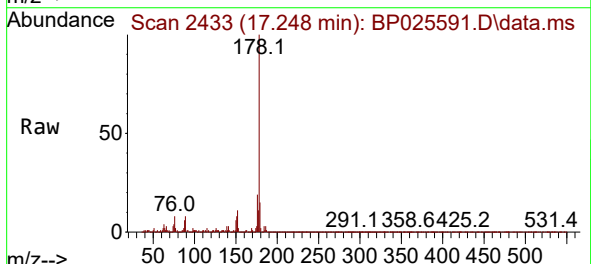
Manual Integrations
APPROVED

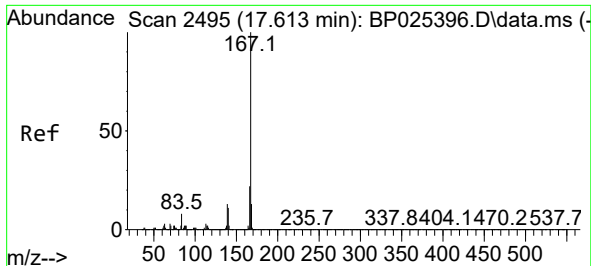
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025



#71
Phenanthrene
Concen: 21.450 ng
RT: 17.248 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP025591.D
Acq: 26 Aug 2025 18:41

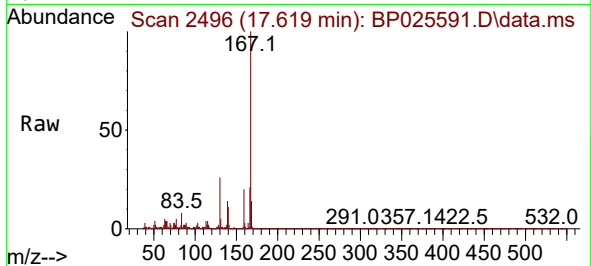
Tgt Ion:178 Resp: 1153013
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.5 12.2 18.4





#73
 Carbazole
 Concen: 20.675 ng
 RT: 17.619 min Scan# 2495
 Delta R.T. 0.006 min
 Lab File: BP025591.D
 Acq: 26 Aug 2025 18:41

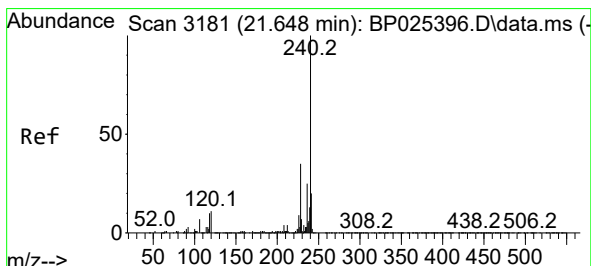
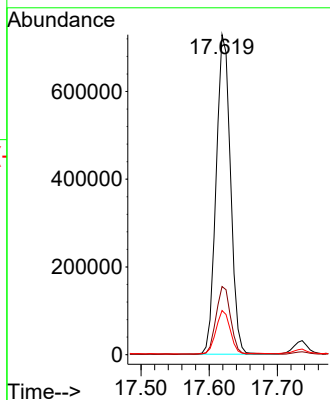
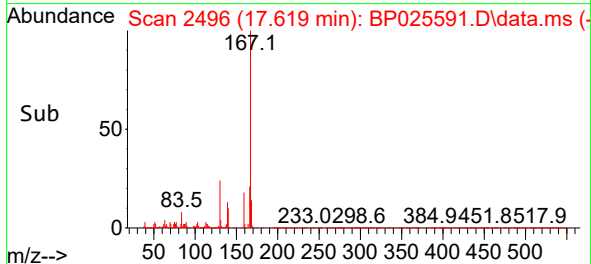
Instrument :
 BNA_P
 ClientSampleId :
 MW-19B-082125



Tgt Ion:167 Resp: 106901
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.5 26.3
 139 13.8 10.6 16.0

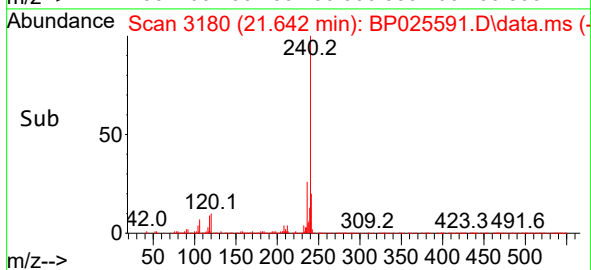
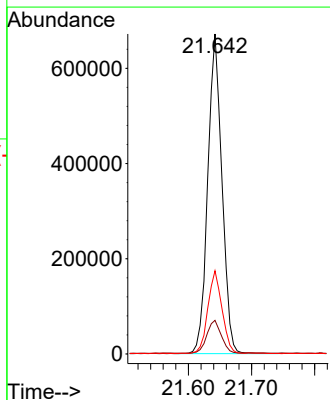
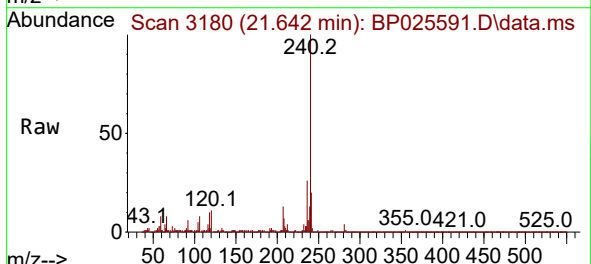
Manual Integrations
 APPROVED

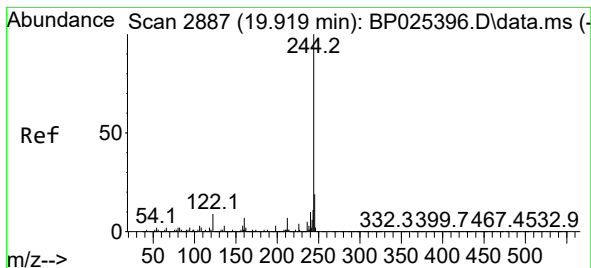
Reviewed By :Rahul Chavli 08/27/2025
 Supervised By :Jagrut Upadhyay 08/27/2025



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.642 min Scan# 3180
 Delta R.T. -0.006 min
 Lab File: BP025591.D
 Acq: 26 Aug 2025 18:41

Tgt Ion:240 Resp: 1047856
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.9 13.3
 236 26.0 19.8 29.8





#79

Terphenyl-d14

Concen: 76.113 ng

RT: 19.919 min Scan# 2887

Delta R.T. 0.000 min

Lab File: BP025591.D

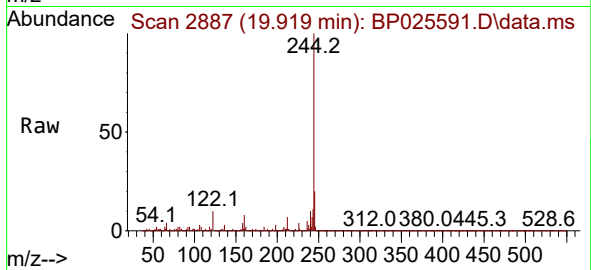
Acq: 26 Aug 2025 18:41

Instrument :

BNA_P

ClientSampleId :

MW-19B-082125



Tgt Ion:244 Resp: 435925

Ion Ratio Lower Upper

244 100

212 7.3 5.8 8.6

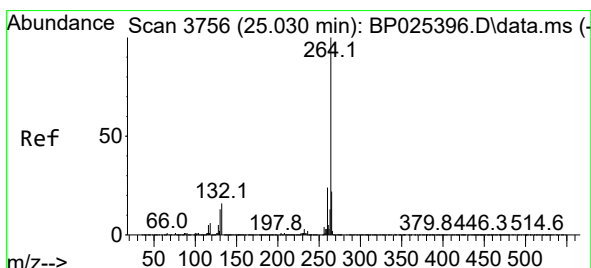
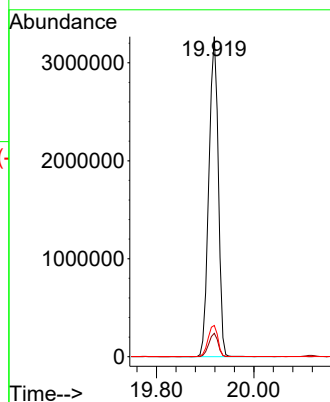
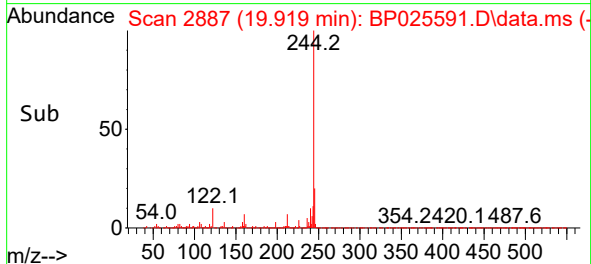
122 9.7 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/27/2025

Supervised By :Jagrut Upadhyay 08/27/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.024 min Scan# 3755

Delta R.T. -0.006 min

Lab File: BP025591.D

Acq: 26 Aug 2025 18:41

Tgt Ion:264 Resp: 1242891

Ion Ratio Lower Upper

264 100

260 23.9 19.3 28.9

265 22.1 17.4 26.0

