

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
 Data File : BP024318.D
 Acq On : 16 Apr 2025 19:18
 Operator : RC/JU
 Sample : Q1762-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MW5

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/17/2025
 Supervised By :Jagrut Upadhyay 04/17/2025

Quant Time: Apr 17 01:14:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	312256	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1204770	20.000	ng	0.00
39) Acenaphthene-d10	14.357	164	686283	20.000	ng	-0.01
64) Phenanthrene-d10	17.157	188	1252822	20.000	ng	-0.02
76) Chrysene-d12	21.604	240	1383650	20.000	ng	-0.02
86) Perylene-d12	24.963	264	1663367	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1015710	53.784	ng	0.00
7) Phenol-d6	6.911	99	774027	29.933	ng	0.00
23) Nitrobenzene-d5	8.875	82	1695583	80.251	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	1130619	119.074	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3679780	82.097	ng	0.00
79) Terphenyl-d14	19.886	244	5438798	79.230	ng	-0.04
Target Compounds						Qvalue
35) Caprolactam	11.446	113	128763m	19.928	ng	
37) 2-Methylnaphthalene	12.163	142	2569461	58.380	ng	98
38) 1-Methylnaphthalene	12.387	142	2435278	56.560	ng	100
52) Acenaphthene	14.422	154	117841	3.131	ng	96
58) Fluorene	15.422	166	271424	5.700	ng	# 98
71) Phenanthrene	17.198	178	384708	5.629	ng	98

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

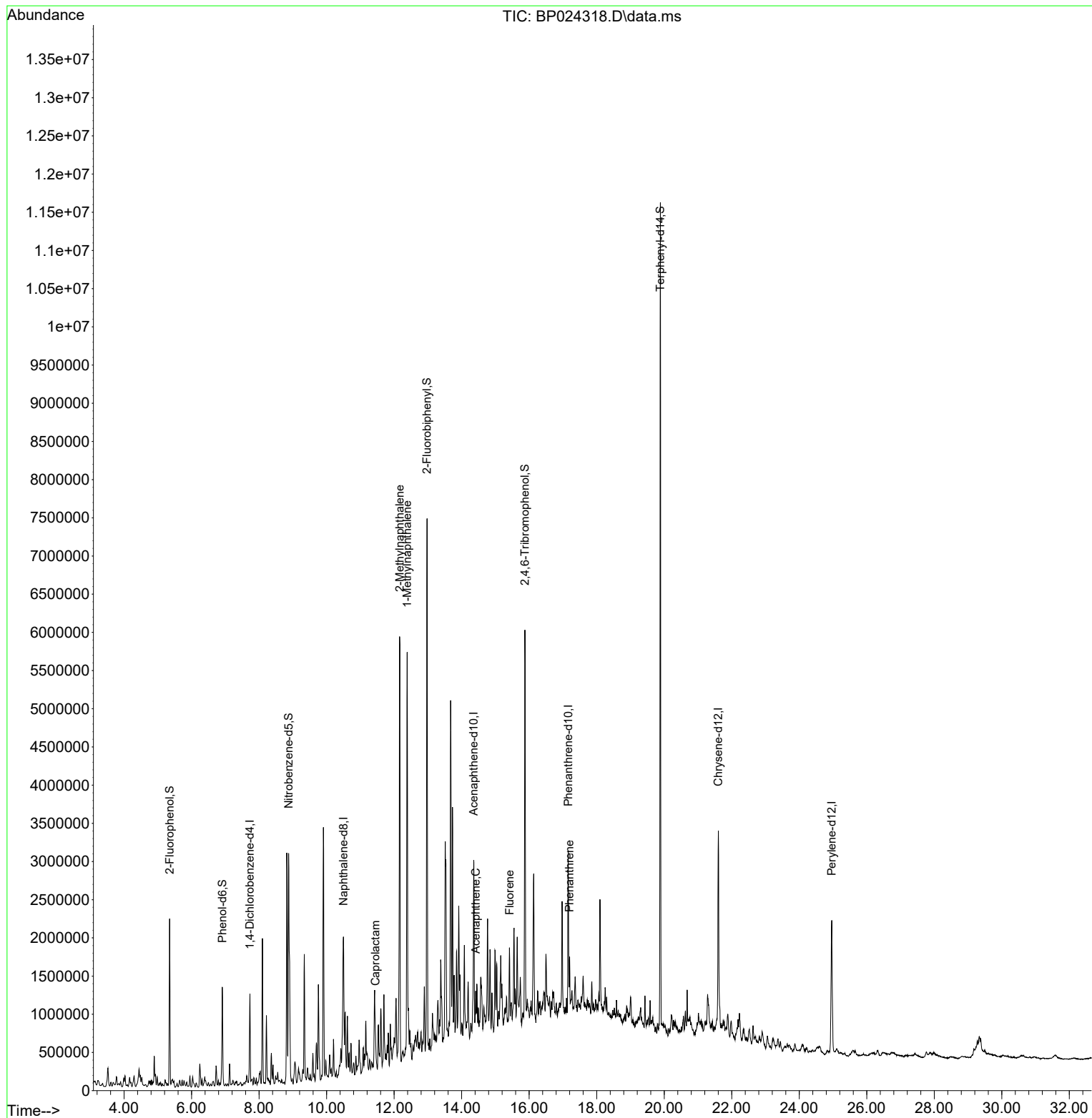
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041625\
Data File : BP024318.D
Acq On : 16 Apr 2025 19:18
Operator : RC/JU
Sample : Q1762-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

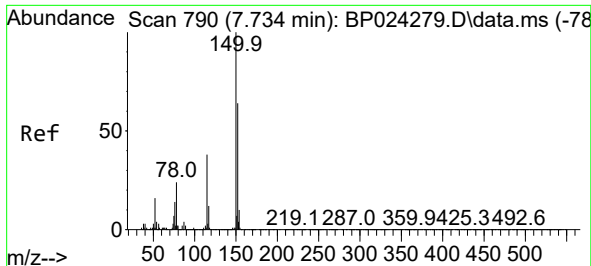
Instrument :
BNA_P
ClientSampleId :
MW5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

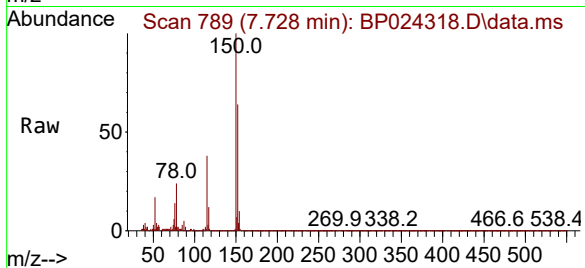
Quant Time: Apr 17 01:14:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 790
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

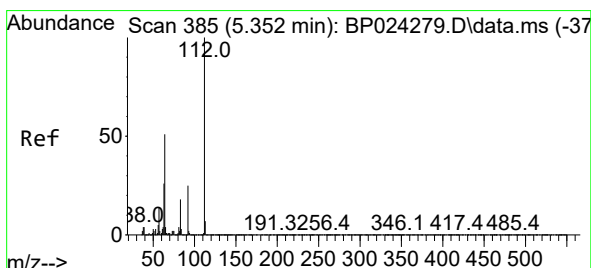
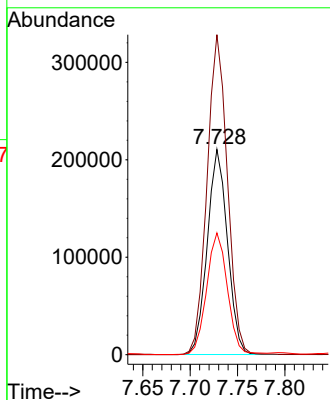
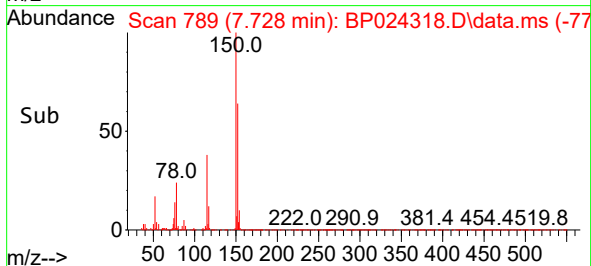
Instrument :
BNA_P
ClientSampleId :
MW5



Tgt Ion:152 Resp: 312250
Ion Ratio Lower Upper
152 100
150 155.8 124.9 187.3
115 59.3 47.7 71.5

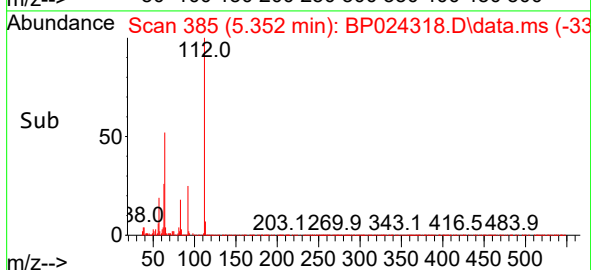
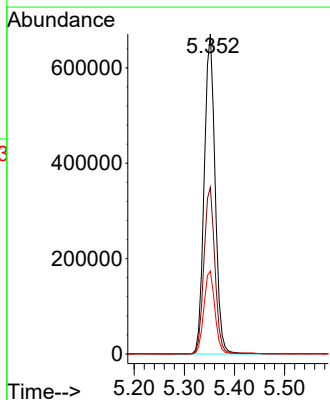
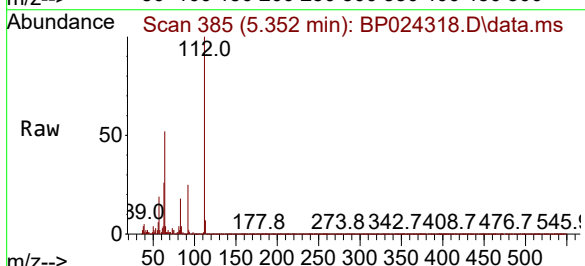
Manual Integrations
APPROVED

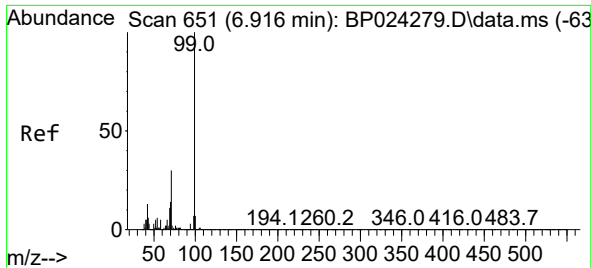
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025



#5
2-Fluorophenol
Concen: 53.784 ng
RT: 5.352 min Scan# 385
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:112 Resp: 1015710
Ion Ratio Lower Upper
112 100
64 52.1 41.1 61.7
63 25.9 20.6 30.8





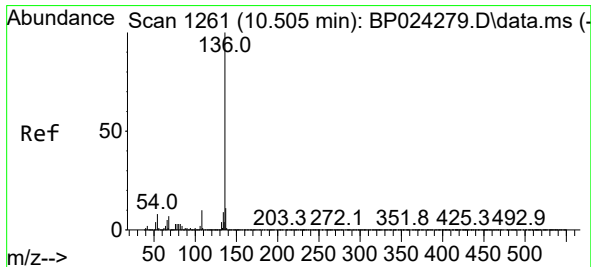
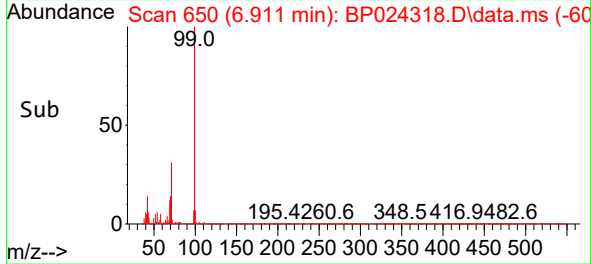
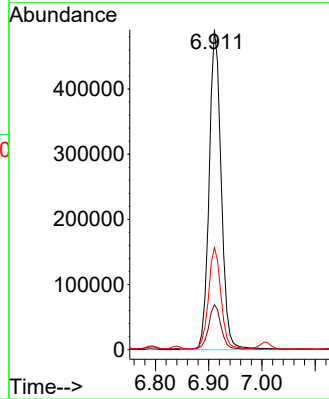
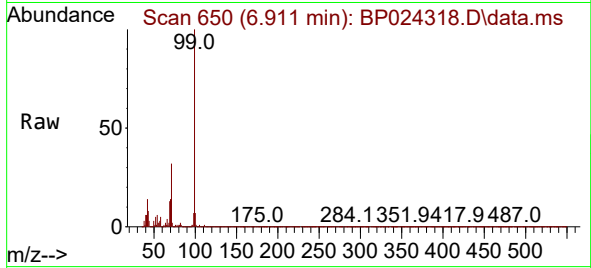
#7
Phenol-d6
Concen: 29.933 ng
RT: 6.911 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Instrument :
BNA_P
ClientSampleId :
MW5

Tgt Ion: 99 Resp: 77402
Ion Ratio Lower Upper
99 100
42 14.1 10.6 16.0
71 31.8 23.7 35.5

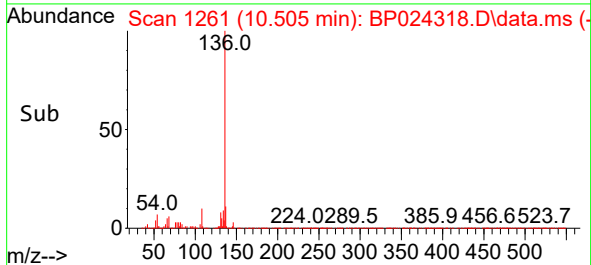
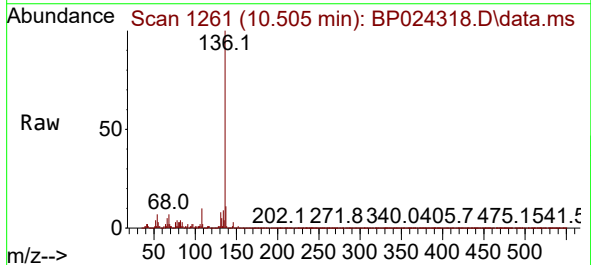
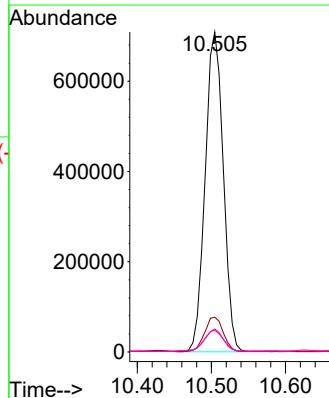
Manual Integrations
APPROVED

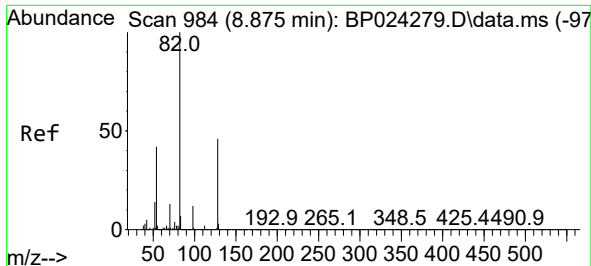
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1261
Delta R.T. 0.000 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

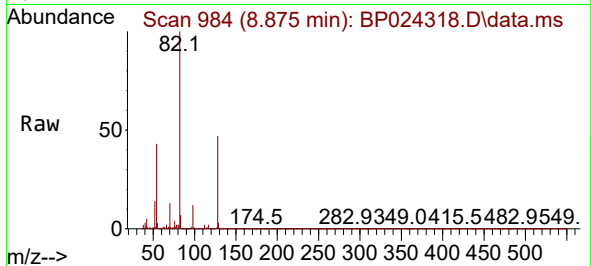
Tgt Ion:136 Resp: 1204770
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.1 6.0 9.0
68 6.8 5.5 8.3





#23
Nitrobenzene-d5
Concen: 80.251 ng
RT: 8.875 min Scan# 984
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

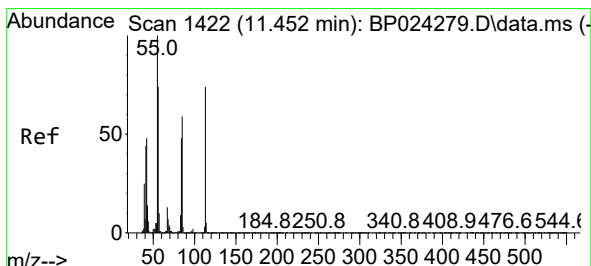
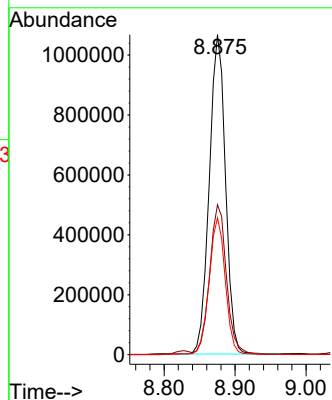
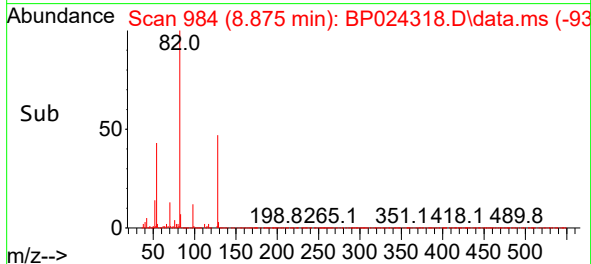
Instrument :
BNA_P
Client Sample Id :
MW5



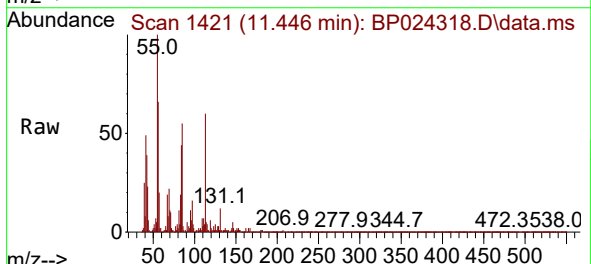
Tgt Ion: 82 Resp: 169558
Ion Ratio Lower Upper
82 100
128 46.8 36.5 54.7
54 42.7 33.4 50.2

Manual Integrations
APPROVED

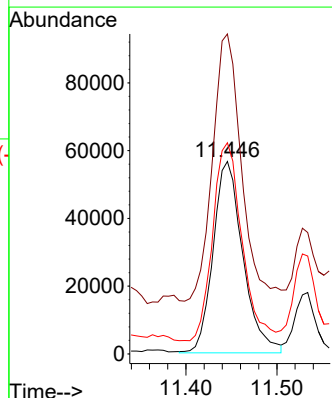
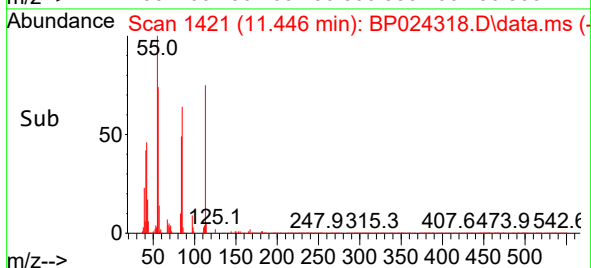
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

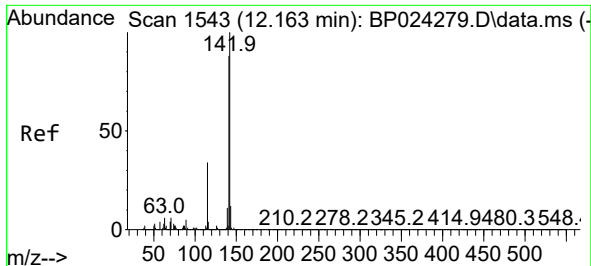


#35
Caprolactam
Concen: 19.928 ng m
RT: 11.446 min Scan# 1421
Delta R.T. -0.035 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18



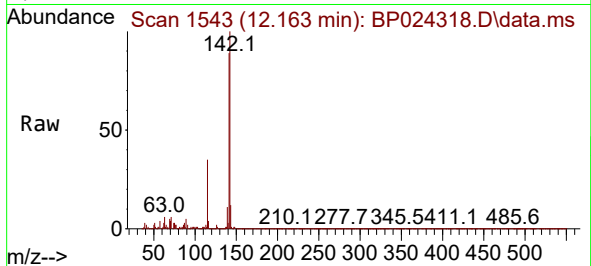
Tgt Ion:113 Resp: 128763
Ion Ratio Lower Upper
113 100
55 166.2 115.9 155.9#
56 109.7 81.1 121.1





#37
2-Methylnaphthalene
Concen: 58.380 ng
RT: 12.163 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

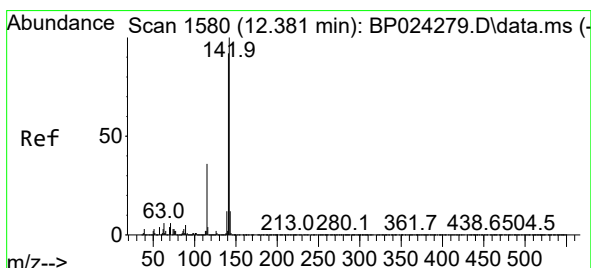
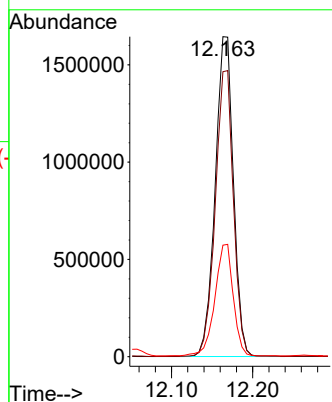
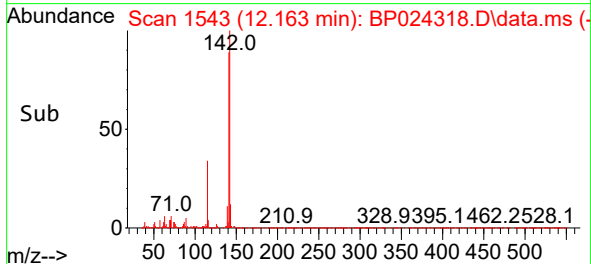
Instrument :
BNA_P
ClientSampleId :
MW5



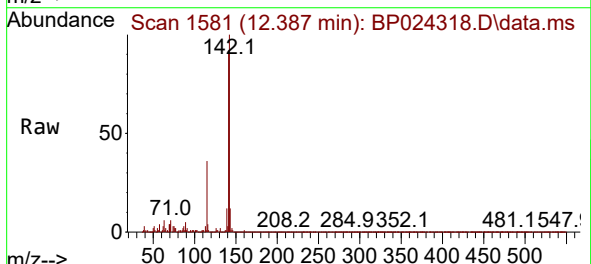
Tgt Ion:142 Resp: 256946
Ion Ratio Lower Upper
142 100
141 89.1 70.3 105.5
115 34.9 26.9 40.3

Manual Integrations
APPROVED

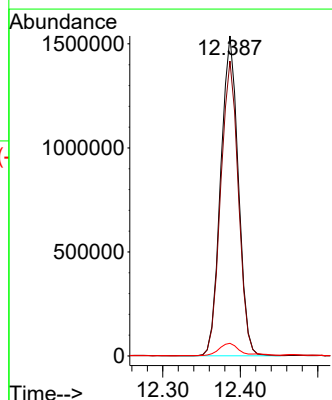
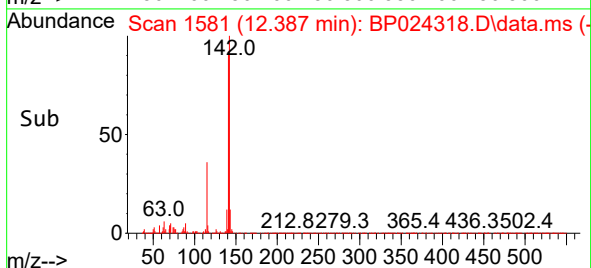
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

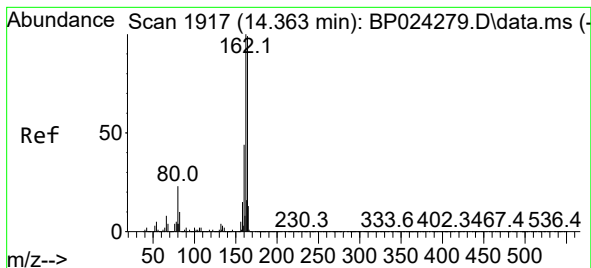


#38
1-Methylnaphthalene
Concen: 56.560 ng
RT: 12.387 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18



Tgt Ion:142 Resp: 2435278
Ion Ratio Lower Upper
142 100
141 92.1 73.6 110.4
116 4.0 3.0 4.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.357 min Scan# 1916

Delta R.T. -0.012 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

Tgt Ion:164 Resp: 68628

Ion Ratio Lower Upper

164 100

162 99.8 80.6 120.8

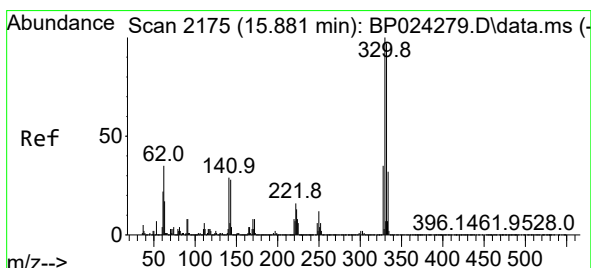
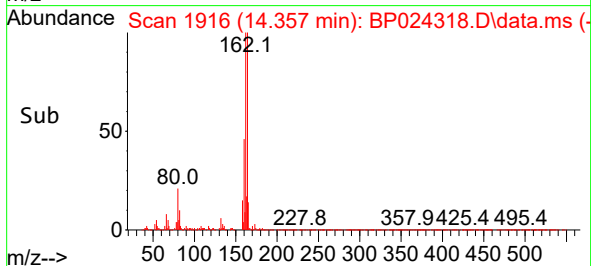
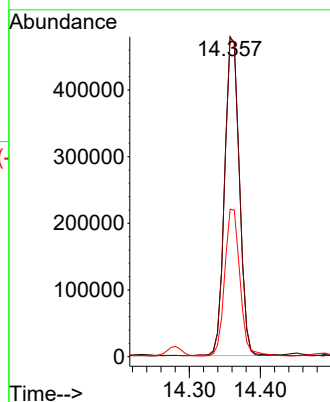
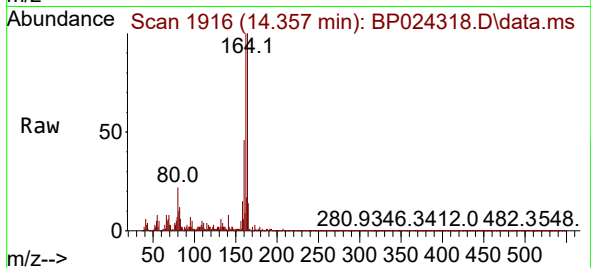
160 46.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/17/2025

Supervised By :Jagrut Upadhyay 04/17/2025



#42

2,4,6-Tribromophenol

Concen: 119.074 ng

RT: 15.875 min Scan# 2174

Delta R.T. -0.018 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

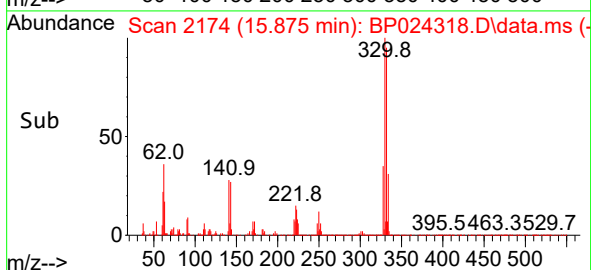
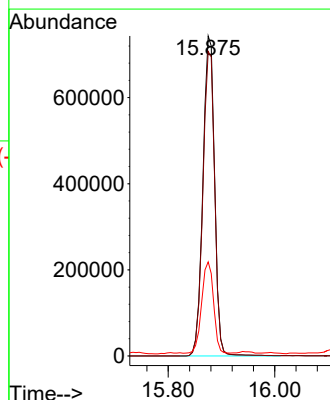
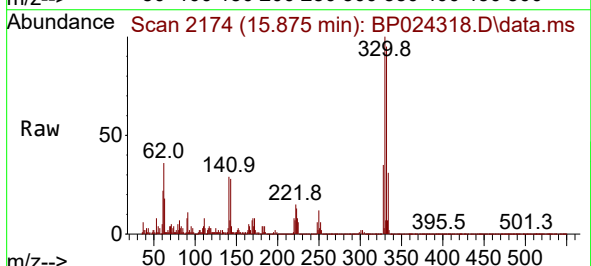
Tgt Ion:330 Resp: 1130619

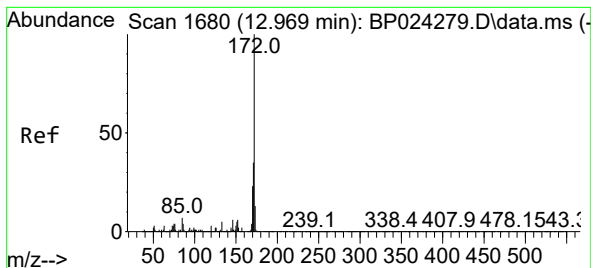
Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

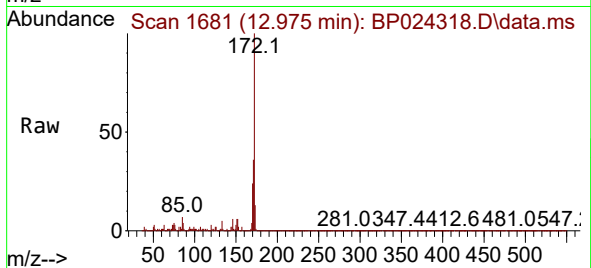
141 28.7 24.7 37.1





#45
2-Fluorobiphenyl
Concen: 82.097 ng
RT: 12.975 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

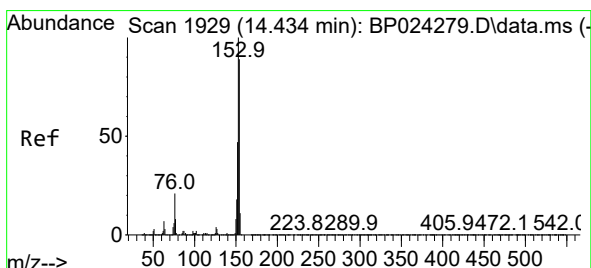
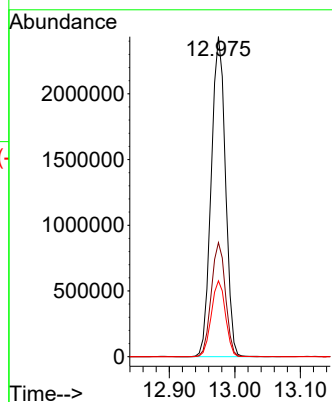
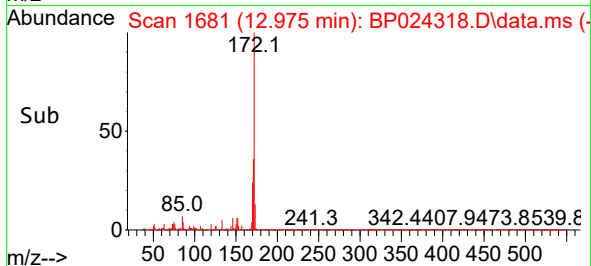
Instrument :
BNA_P
ClientSampleId :
MW5



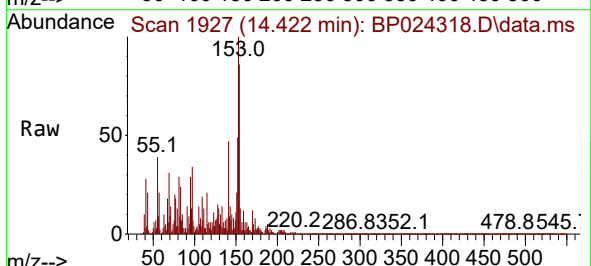
Tgt Ion:172 Resp: 3679780
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.2
170 23.7 18.6 27.8

Manual Integrations
APPROVED

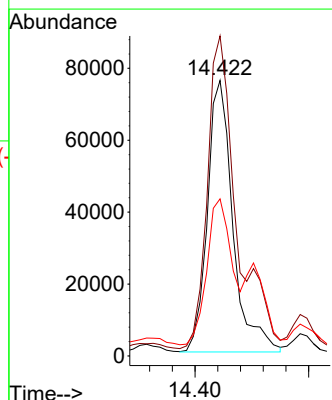
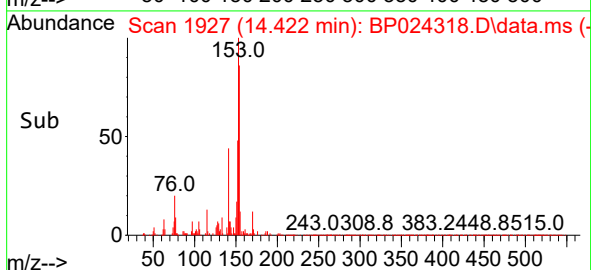
Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025

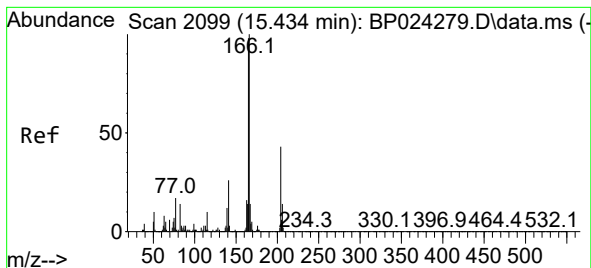


#52
Acenaphthene
Concen: 3.131 ng
RT: 14.422 min Scan# 1927
Delta R.T. -0.018 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18



Tgt Ion:154 Resp: 117841
Ion Ratio Lower Upper
154 100
153 116.1 89.8 134.6
152 57.0 42.6 63.8





#58

Fluorene

Concen: 5.700 ng

RT: 15.422 min Scan# 2097

Delta R.T. -0.018 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

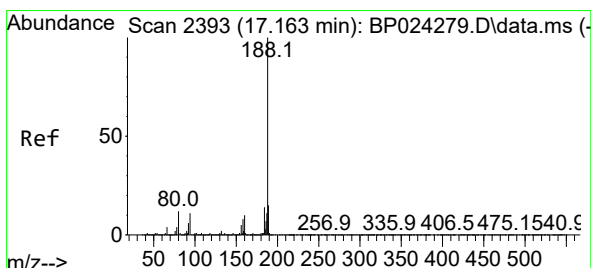
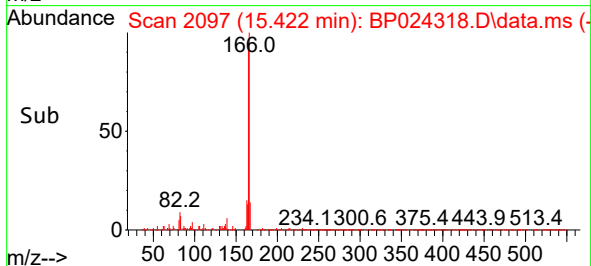
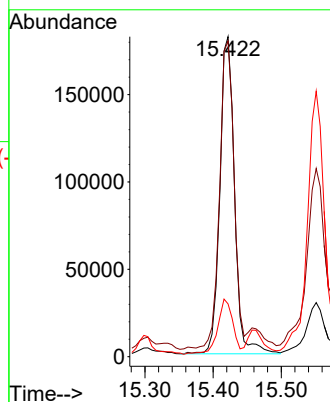
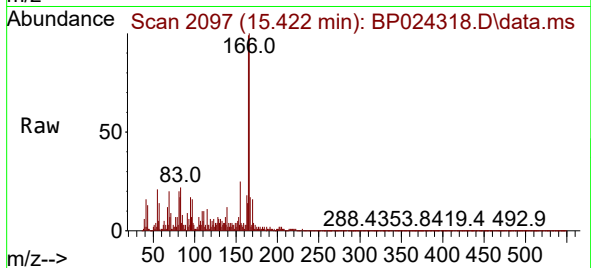
Tgt Ion:166	Resp: 271424
Ion Ratio	Lower Upper
166	100
165	98.6 78.1 117.1
167	16.5 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/17/2025

Supervised By :Jagrut Upadhyay 04/17/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

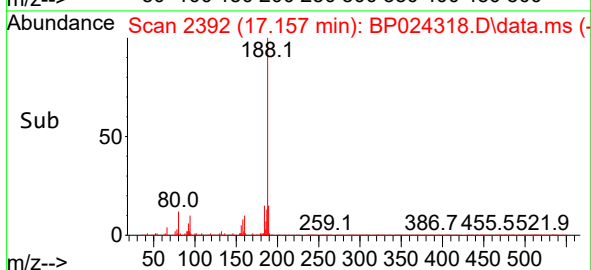
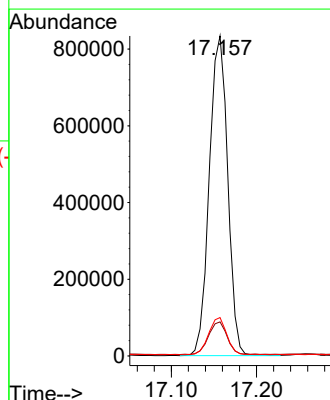
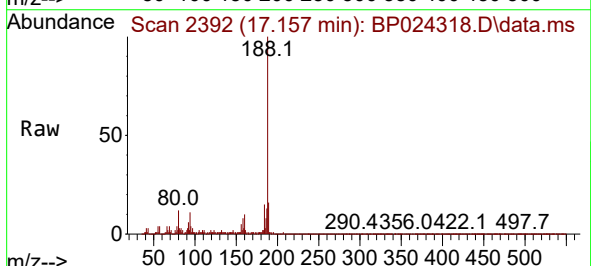
RT: 17.157 min Scan# 2392

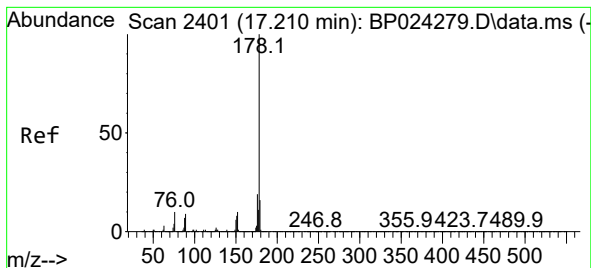
Delta R.T. -0.023 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Tgt Ion:188	Resp: 1252822
Ion Ratio	Lower Upper
188	100
94	10.6 8.6 13.0
80	12.0 9.8 14.6





#71

Phenanthrene

Concen: 5.629 ng

RT: 17.198 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

Instrument :

BNA_P

ClientSampleId :

MW5

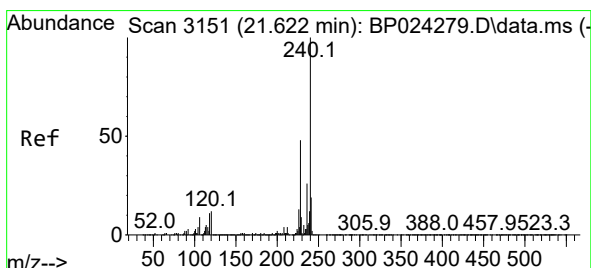
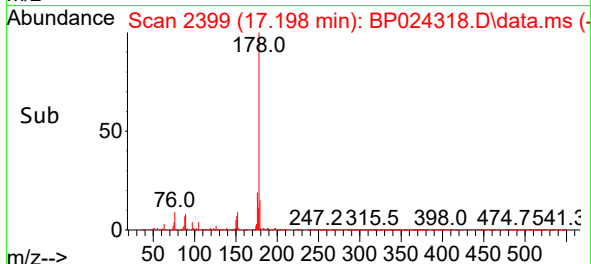
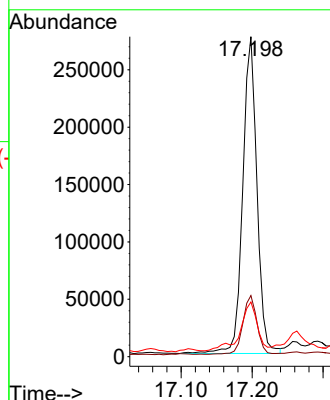
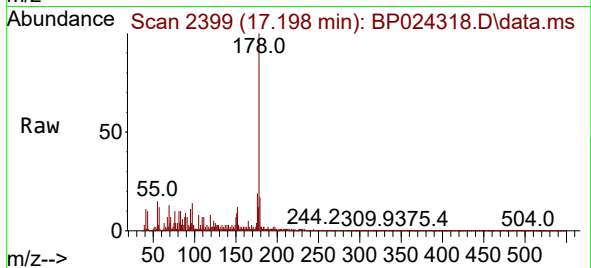
Tgt Ion:178 Resp: 384708
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.0
 179 17.1 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/17/2025

Supervised By :Jagrut Upadhyay 04/17/2025



#76

Chrysene-d12

Concen: 20.000 ng

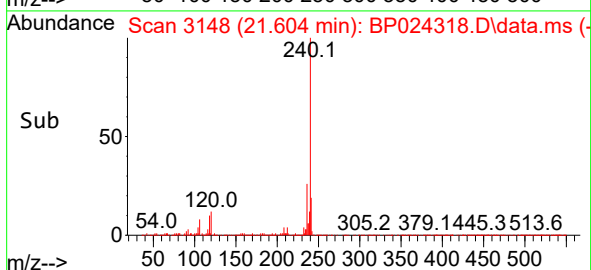
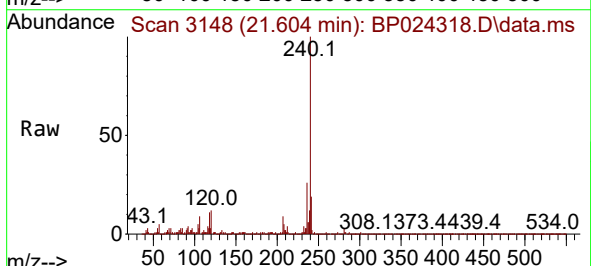
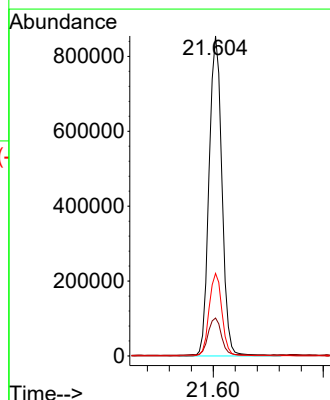
RT: 21.604 min Scan# 3148

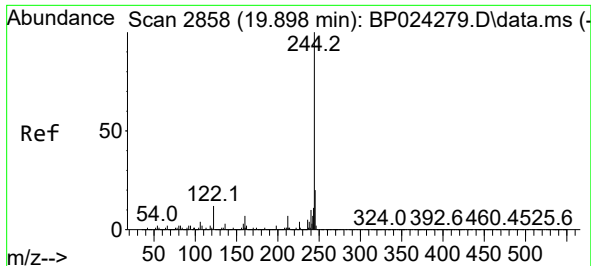
Delta R.T. -0.017 min

Lab File: BP024318.D

Acq: 16 Apr 2025 19:18

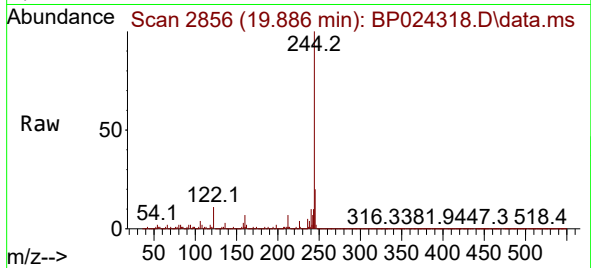
Tgt Ion:240 Resp: 1383650
 Ion Ratio Lower Upper
 240 100
 120 11.9 9.8 14.8
 236 25.8 20.9 31.3





#79
Terphenyl-d14
Concen: 79.230 ng
RT: 19.886 min Scan# 21
Delta R.T. -0.035 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

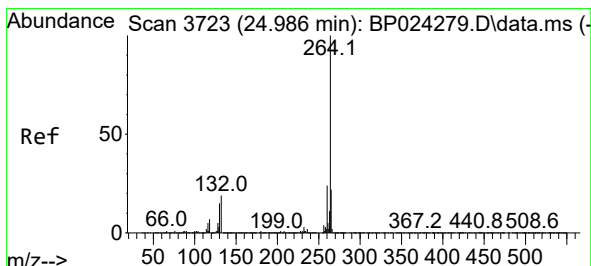
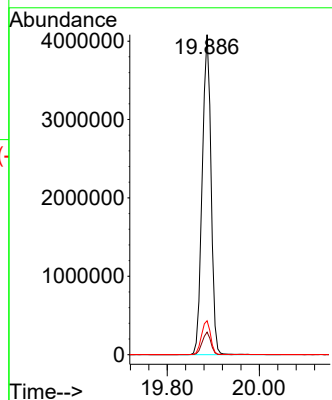
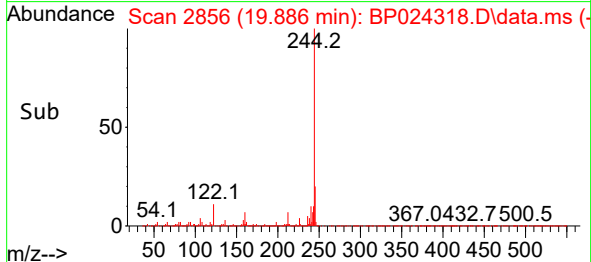
Instrument :
BNA_P
ClientSampleId :
MW5



Tgt Ion:244 Resp: 5438798
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 10.6 9.4 14.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/17/2025
Supervised By :Jagrut Upadhyay 04/17/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.963 min Scan# 3719
Delta R.T. -0.023 min
Lab File: BP024318.D
Acq: 16 Apr 2025 19:18

Tgt Ion:264 Resp: 1663367
Ion Ratio Lower Upper
264 100
260 23.4 18.9 28.3
265 22.1 17.8 26.6

