

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
 Data File : BP025104.D
 Acq On : 11 Jul 2025 15:00
 Operator : CG/JU
 Sample : Q2126-02
 Misc : LOQ-SOIL-10 PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 15:36:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/14/2025
 Supervised By :Jagrut Upadhyay 07/14/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	343710	20.000	ng	0.00
21) Naphthalene-d8	10.184	136	1379527	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	885076	20.000	ng	0.00
64) Phenanthrene-d10	16.895	188	1814460	20.000	ng	-0.01
76) Chrysene-d12	21.330	240	2050618	20.000	ng	-0.01
86) Perylene-d12	24.465	264	2256008	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	2049774	105.667	ng	0.00
7) Phenol-d6	6.631	99	2603504	102.846	ng	0.00
23) Nitrobenzene-d5	8.560	82	1643993	79.254	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1268609	121.332	ng	-0.01
45) 2-Fluorobiphenyl	12.684	172	4473408	78.299	ng	-0.01
79) Terphenyl-d14	19.666	244	7579089	81.230	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.408	42	65472	7.488	ng	# 93
9) Benzaldehyde	6.596	77	149526	11.310	ng	98
15) Benzyl Alcohol	7.666	79	139427	8.252	ng	98
20) 3+4-Methylphenols	8.190	107	183591	7.911	ng	99
32) Benzoic acid	9.425	122	83550m	11.240	ng	
35) Caprolactam	11.078	113	52257	7.618	ng	99
41) Hexachlorocyclopentadiene	12.219	237	96201	14.479	ng	98
54) 2,4-Dinitrophenol	14.195	184	35462	10.986	ng	99
56) 4-Nitrophenol	14.307	139	92860	7.771	ng	98
65) 4,6-Dinitro-2-methylph...	15.236	198	52149	11.160	ng	99
70) Pentachlorophenol	16.542	266	111512	7.271	ng	98
77) Benzidine	19.248	184	431336	11.910	ng	97
82) 3,3'-Dichlorobenzidine	21.242	252	353736	9.456	ng	99
85) Di-n-octyl phthalate	22.524	149	854068	12.199	ng	98

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

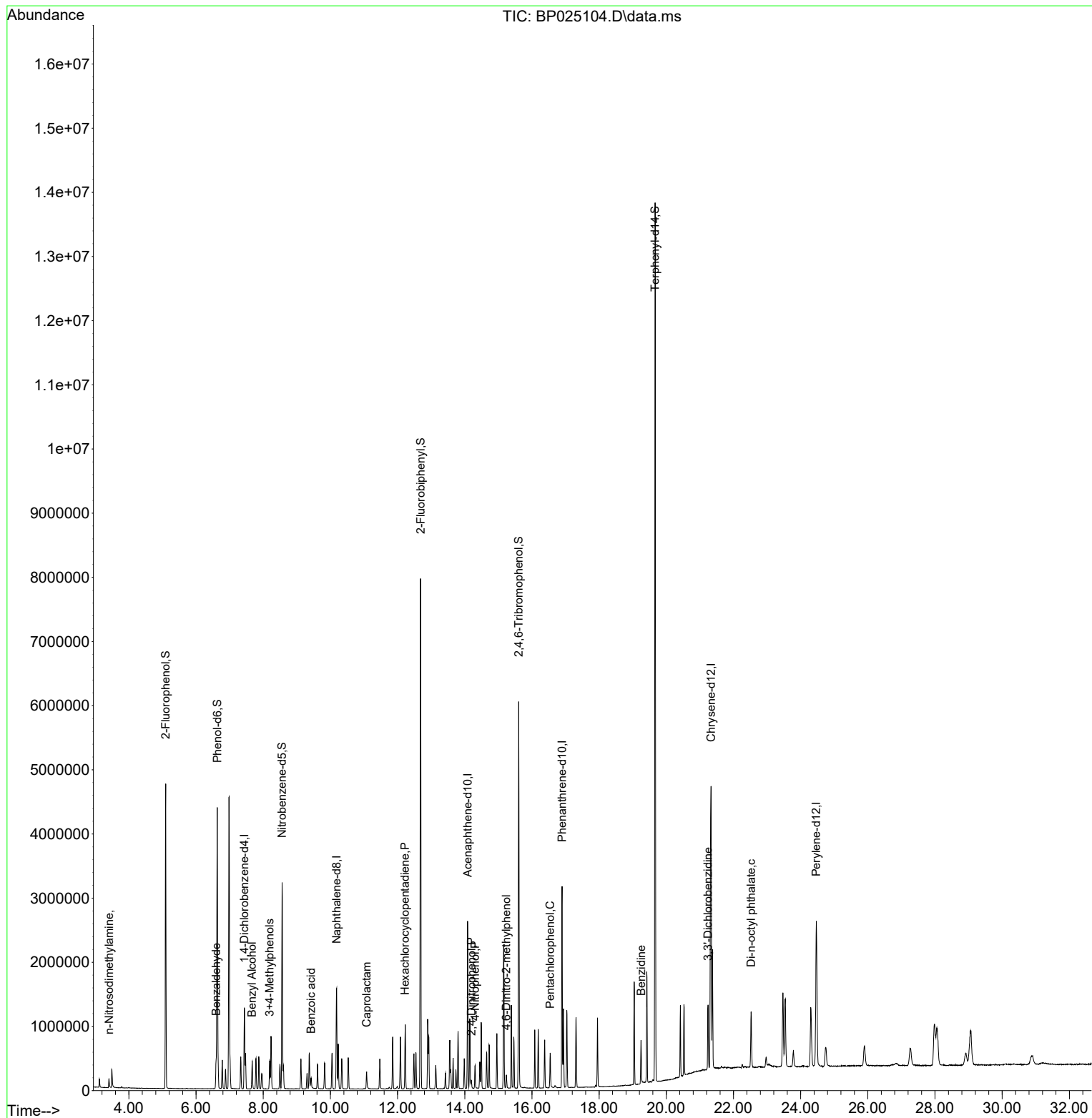
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071125\
Data File : BP025104.D
Acq On : 11 Jul 2025 15:00
Operator : CG/JU
Sample : Q2126-02
Misc : LOQ-SOIL-10 PPM
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Quant Time: Jul 11 15:36:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 03 16:05:44 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

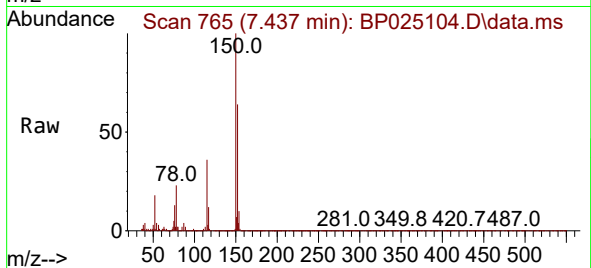
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

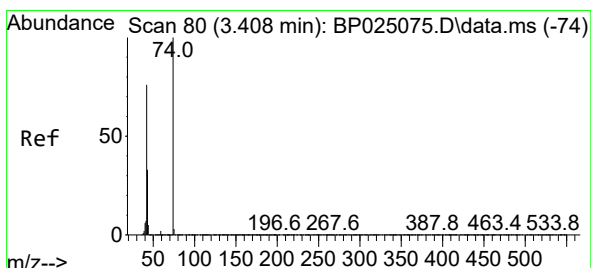
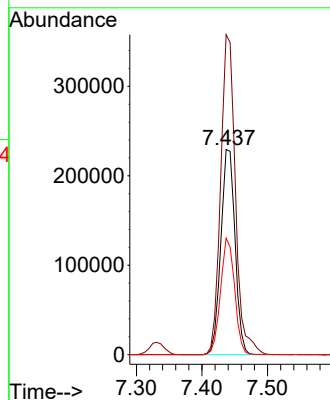
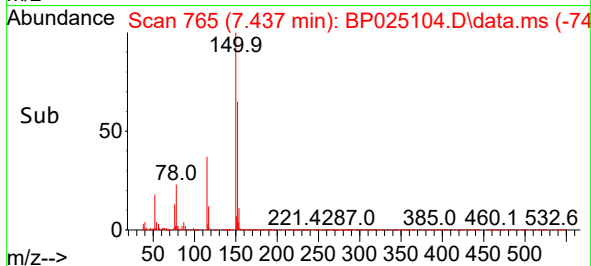
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:152 Resp: 343710
Ion Ratio Lower Upper
152 100
150 156.0 126.1 189.1
115 56.8 44.3 66.5

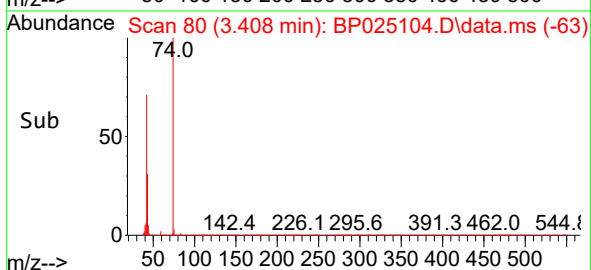
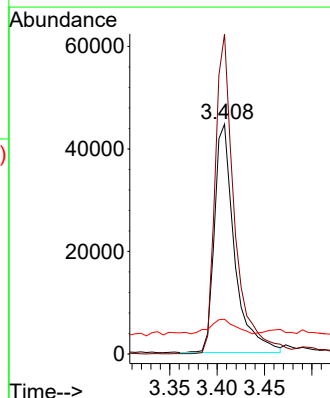
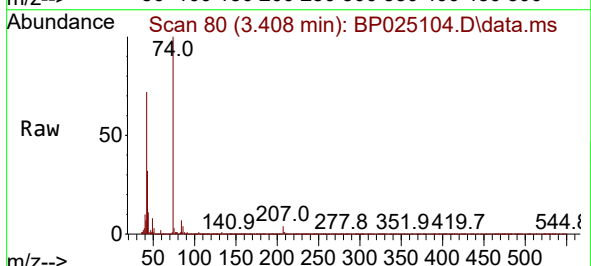
Manual Integrations
APPROVED

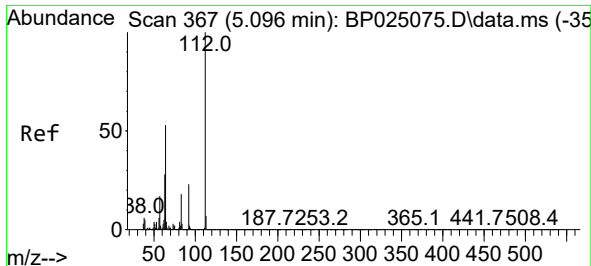
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#4
n-Nitrosodimethylamine
Concen: 7.488 ng
RT: 3.408 min Scan# 80
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

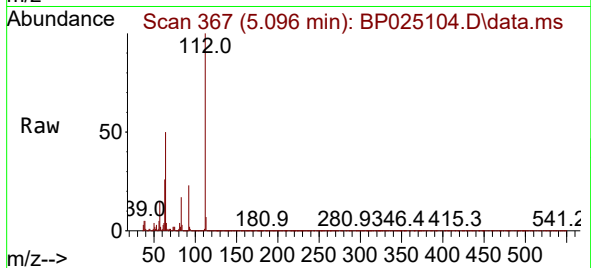
Tgt Ion: 42 Resp: 65472
Ion Ratio Lower Upper
42 100
74 139.3 105.2 157.8
44 15.1 6.6 9.8





#5
2-Fluorophenol
Concen: 105.667 ng
RT: 5.096 min Scan# 30
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

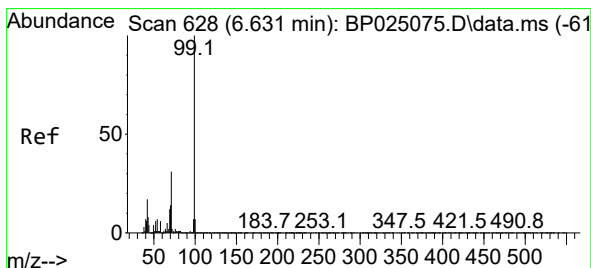
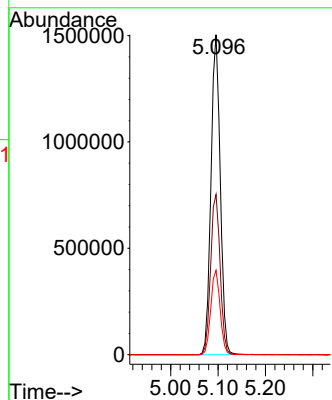
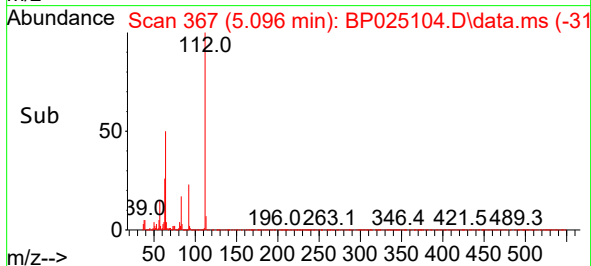
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025



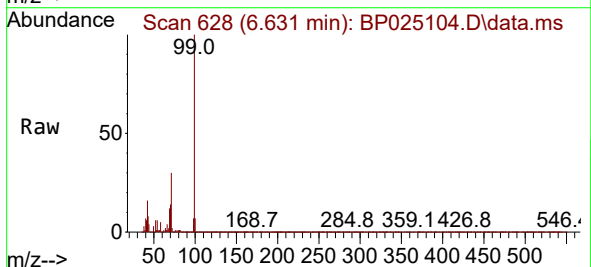
Tgt Ion: 112 Resp: 2049774
Ion Ratio Lower Upper
112 100
64 50.1 42.0 63.0
63 26.3 22.2 33.2

Manual Integrations
APPROVED

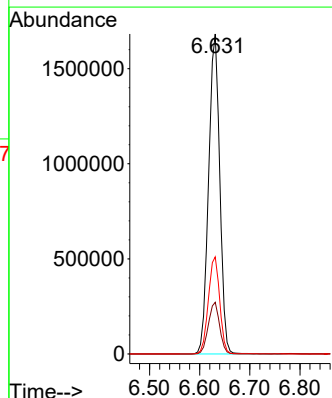
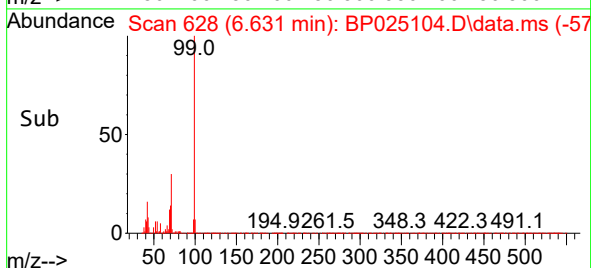
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

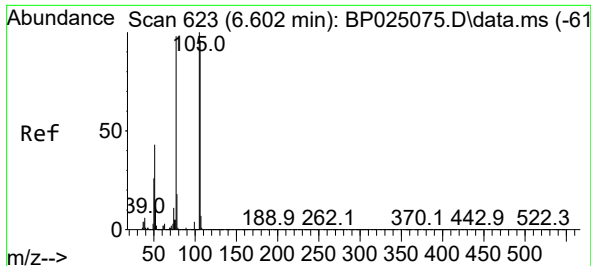


#7
Phenol-d6
Concen: 102.846 ng
RT: 6.631 min Scan# 628
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00



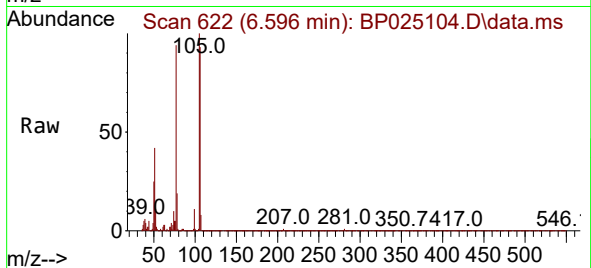
Tgt Ion: 99 Resp: 2603504
Ion Ratio Lower Upper
99 100
42 16.2 13.6 20.4
71 30.3 24.4 36.6





#9
Benzaldehyde
Concen: 11.310 ng
RT: 6.596 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

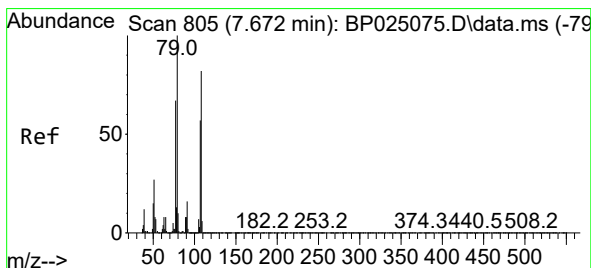
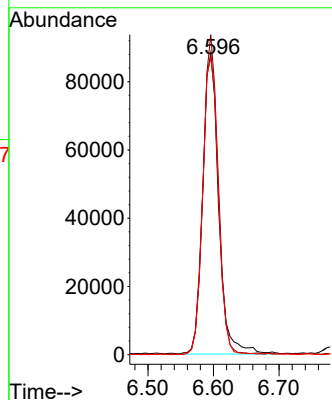
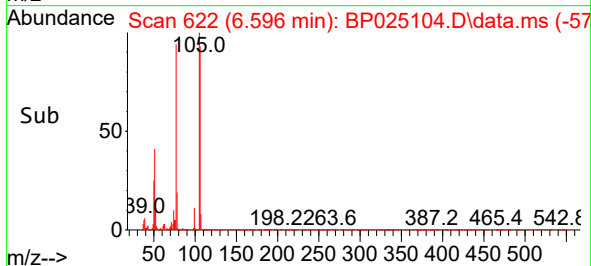
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025



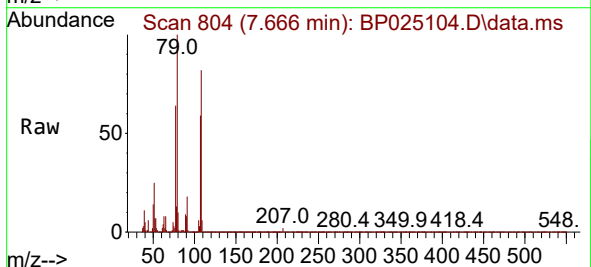
Tgt Ion: 77 Resp: 149520
Ion Ratio Lower Upper
77 100
105 106.0 82.4 122.4
106 98.5 78.3 118.3

Manual Integrations
APPROVED

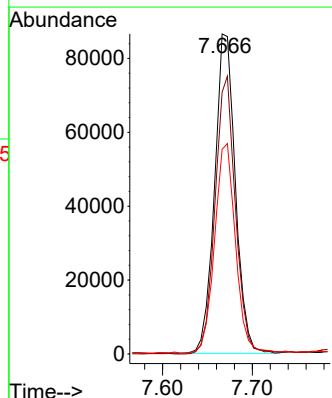
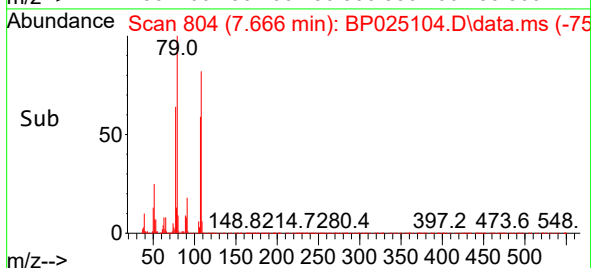
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

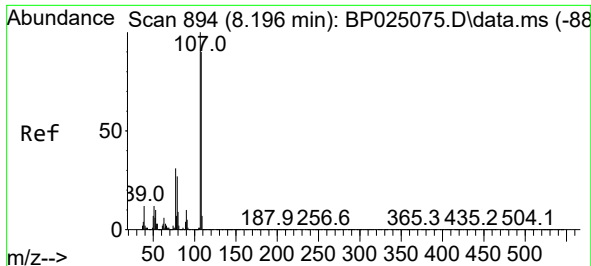


#15
Benzyl Alcohol
Concen: 8.252 ng
RT: 7.666 min Scan# 804
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00



Tgt Ion: 79 Resp: 139427
Ion Ratio Lower Upper
79 100
108 81.8 66.0 99.0
77 63.9 53.4 80.2





#20

3+4-Methylphenols

Concen: 7.911 ng

RT: 8.190 min Scan# 894

Delta R.T. -0.006 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

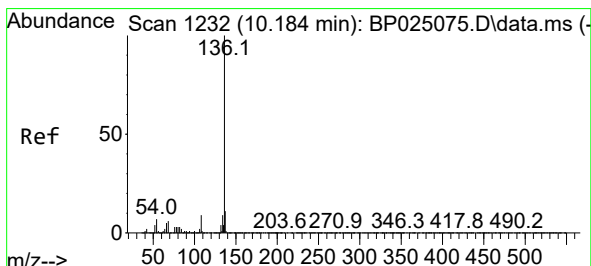
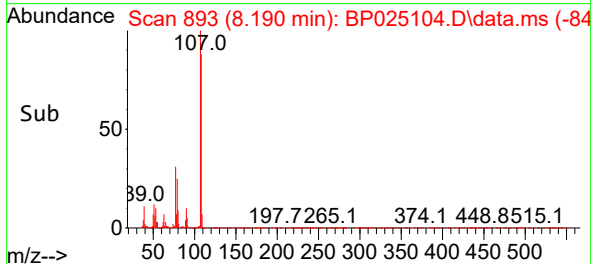
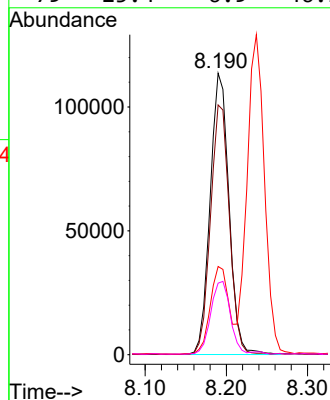
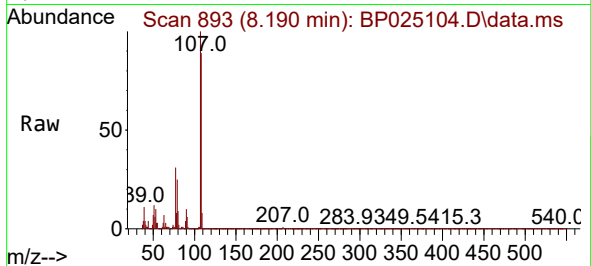
Tgt Ion:107	Resp: 18359
Ion Ratio	Lower Upper
107 100	
108 88.8	69.5 109.5
77 31.3	11.4 51.4
79 25.4	6.9 46.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#21

Naphthalene-d8

Concen: 20.000 ng

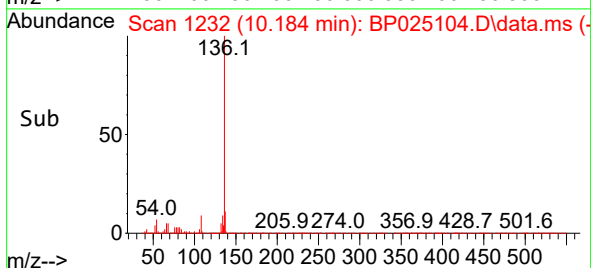
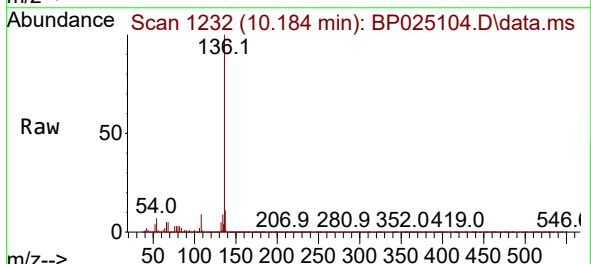
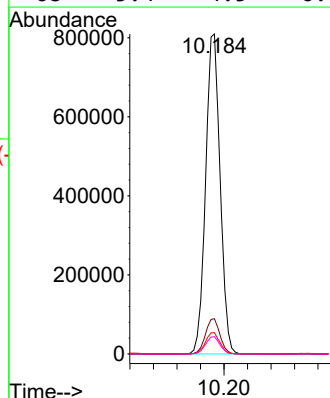
RT: 10.184 min Scan# 1232

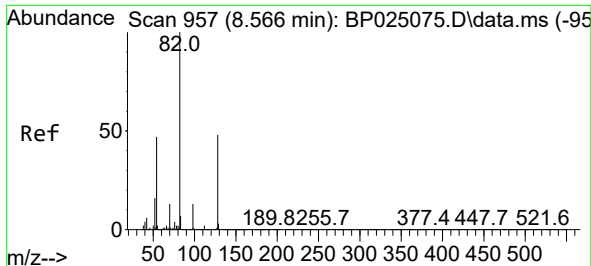
Delta R.T. 0.000 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

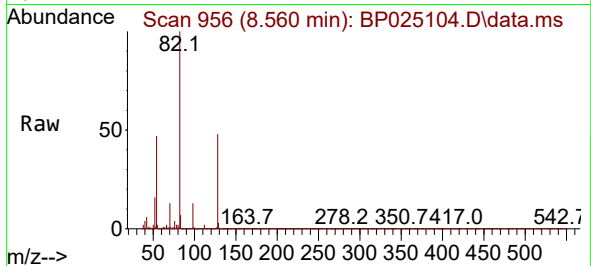
Tgt Ion:136	Resp: 1379527
Ion Ratio	Lower Upper
136 100	
137 11.0	8.7 13.1
54 6.6	5.4 8.2
68 5.4	4.5 6.7





#23
Nitrobenzene-d5
Concen: 79.254 ng
RT: 8.560 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

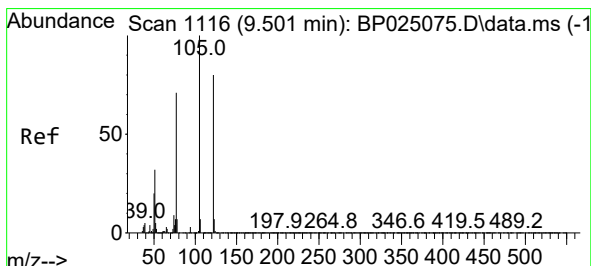
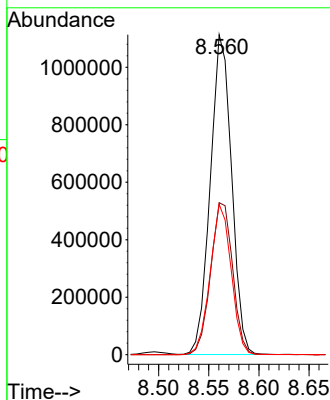
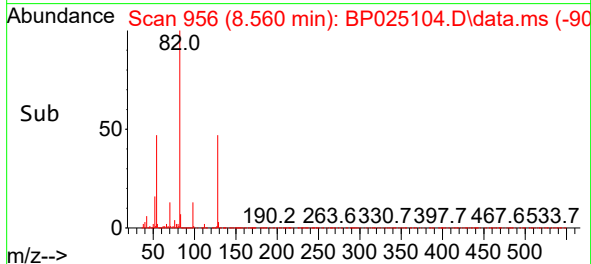
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion: 82 Resp: 164399
Ion Ratio Lower Upper
82 100
128 47.5 38.4 57.6
54 47.0 37.8 56.6

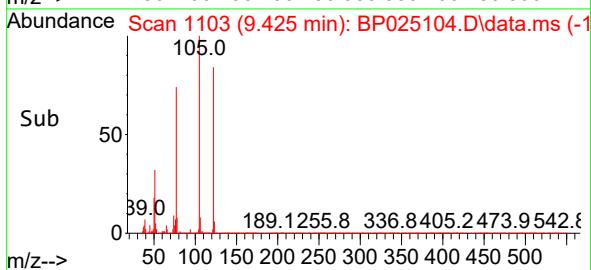
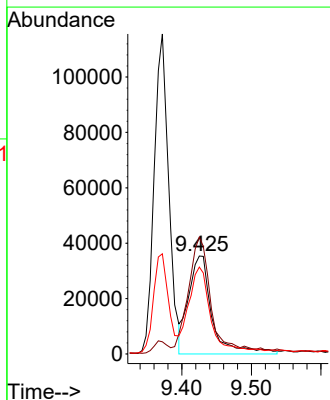
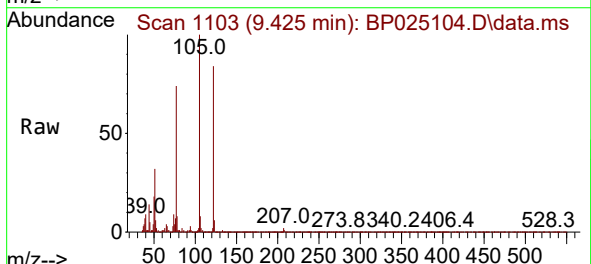
Manual Integrations
APPROVED

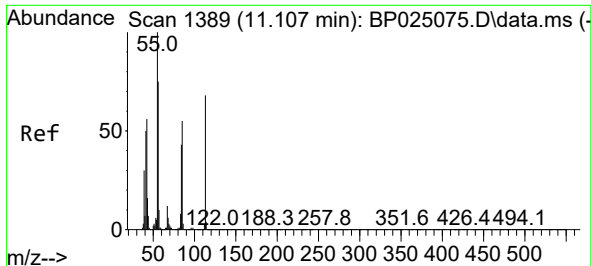
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#32
Benzoic acid
Concen: 11.240 ng m
RT: 9.425 min Scan# 1103
Delta R.T. -0.076 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

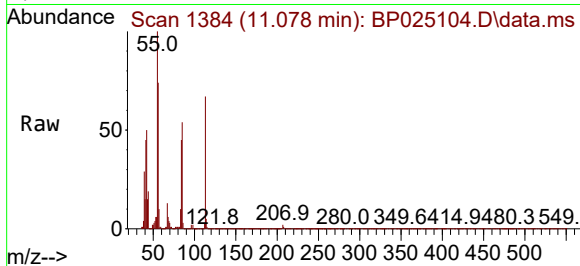
Tgt Ion:122 Resp: 83550
Ion Ratio Lower Upper
122 100
105 119.3 101.0 141.0
77 88.6 67.6 107.6





#35
Caprolactam
Concen: 7.618 ng
RT: 11.078 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

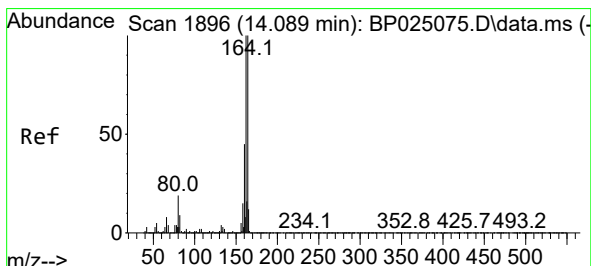
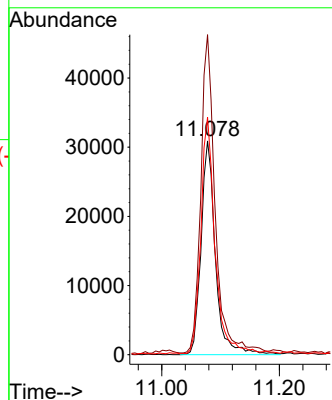
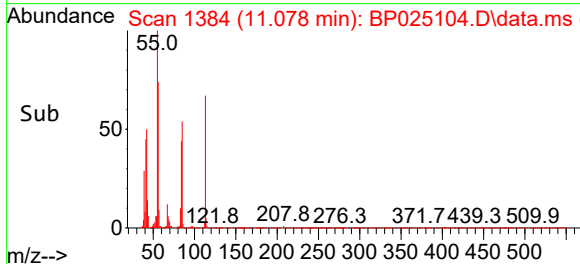
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:113 Resp: 5225
Ion Ratio Lower Upper
113 100
55 149.7 128.1 168.1
56 111.0 90.7 130.7

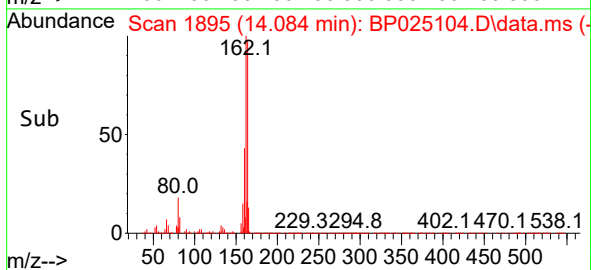
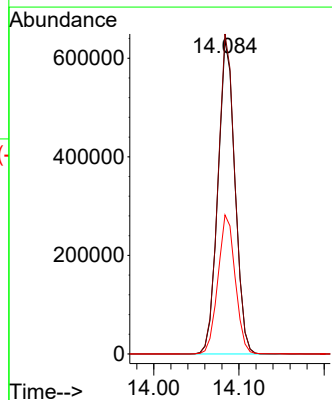
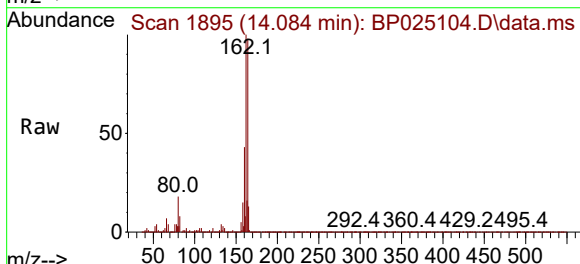
Manual Integrations
APPROVED

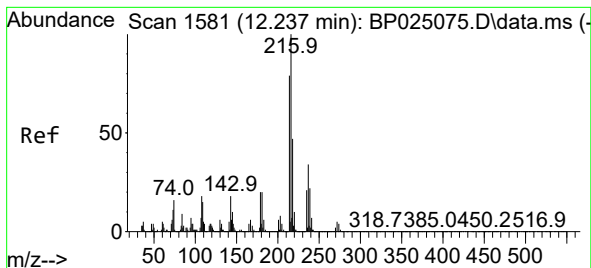
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1895
Delta R.T. -0.005 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

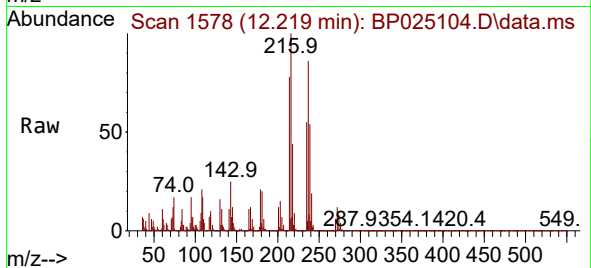
Tgt Ion:164 Resp: 885076
Ion Ratio Lower Upper
164 100
162 101.9 80.3 120.5
160 44.3 35.9 53.9





#41
Hexachlorocyclopentadiene
Concen: 14.479 ng
RT: 12.219 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

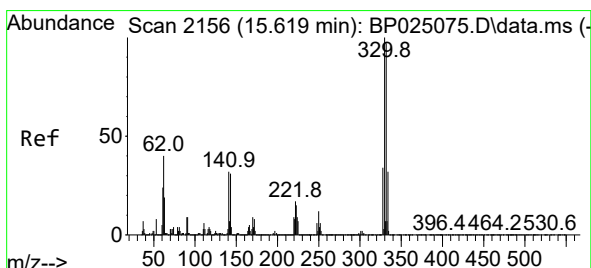
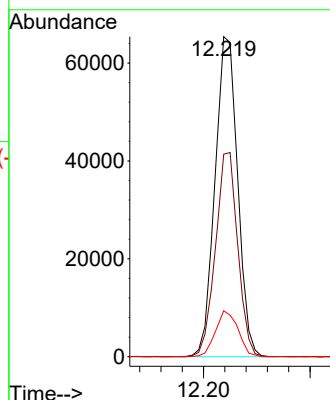
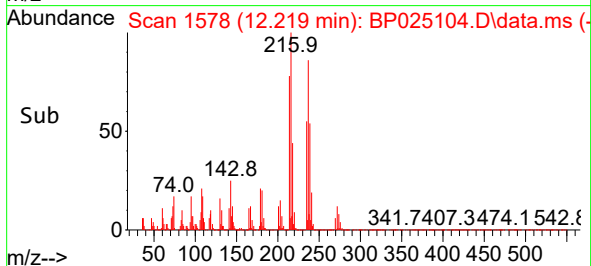
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025



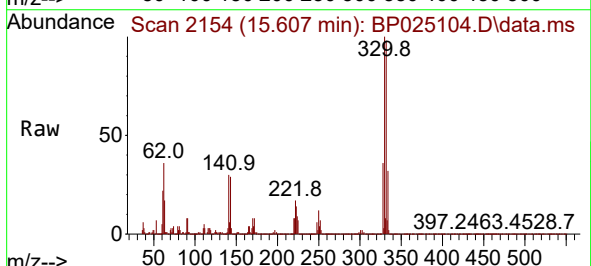
Tgt Ion: 237 Resp: 9620
Ion Ratio Lower Upper
237 100
235 63.3 41.6 81.6
272 14.4 0.0 33.6

Manual Integrations
APPROVED

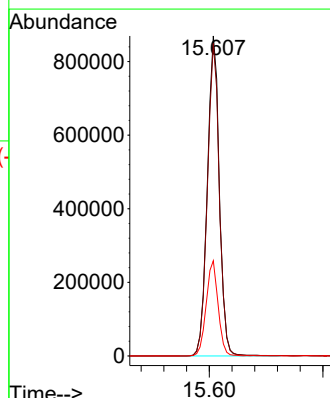
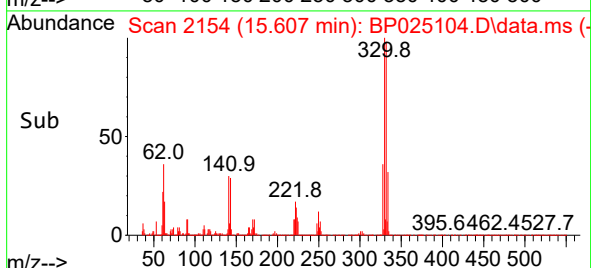
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025

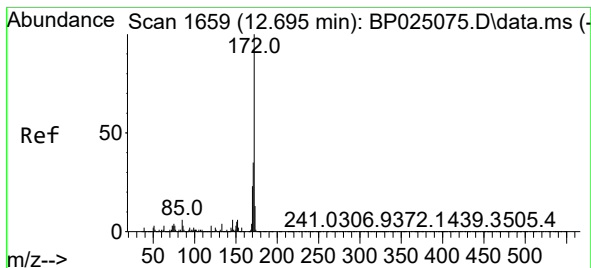


#42
2,4,6-Tribromophenol
Concen: 121.332 ng
RT: 15.607 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00



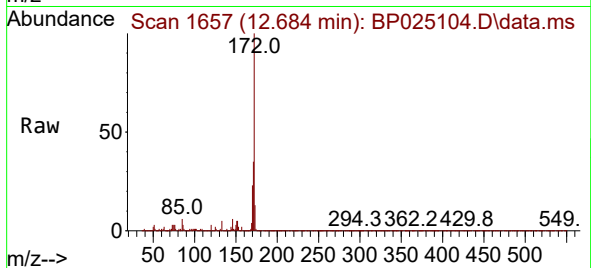
Tgt Ion: 330 Resp: 1268609
Ion Ratio Lower Upper
330 100
332 97.1 77.7 116.5
141 29.6 26.0 39.0





#45
2-Fluorobiphenyl
Concen: 78.299 ng
RT: 12.684 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

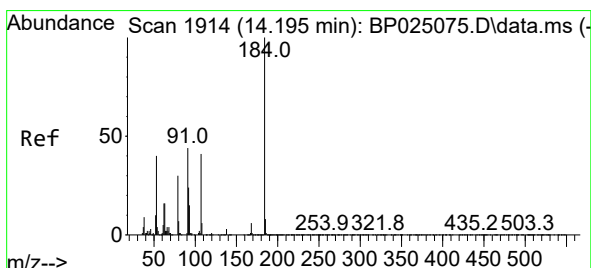
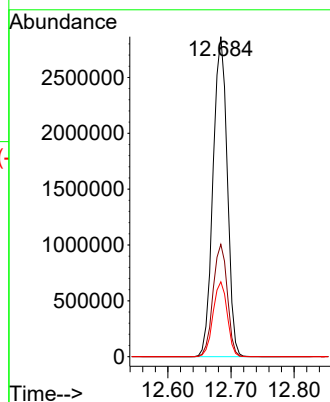
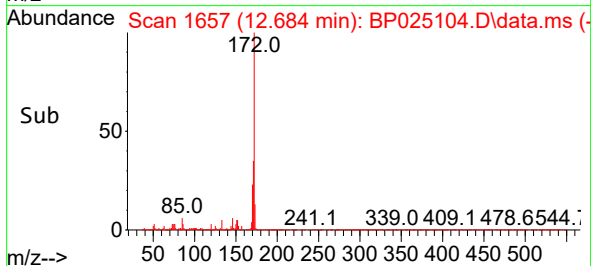
Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2025



Tgt Ion:172 Resp: 4473408
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.4 18.7 28.1

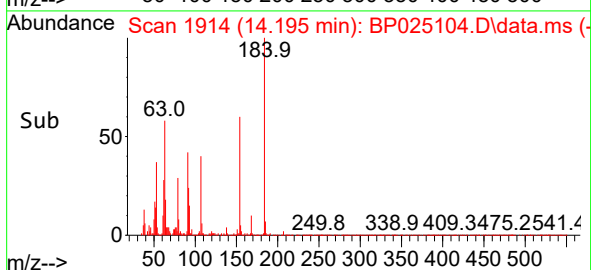
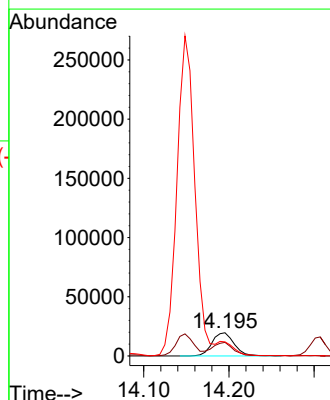
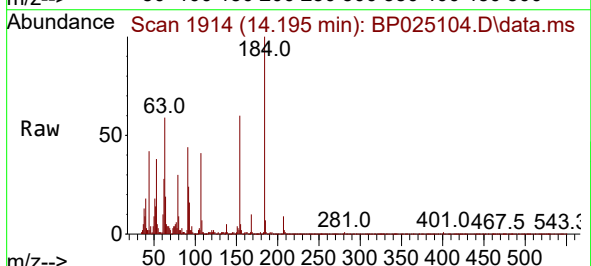
Manual Integrations
APPROVED

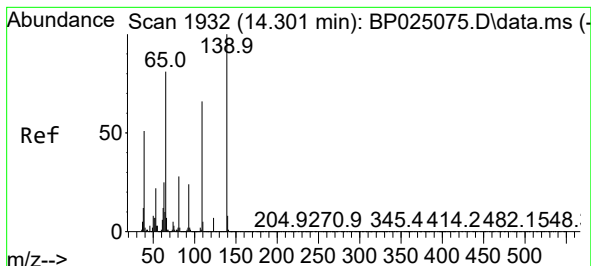
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#54
2,4-Dinitrophenol
Concen: 10.986 ng
RT: 14.195 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

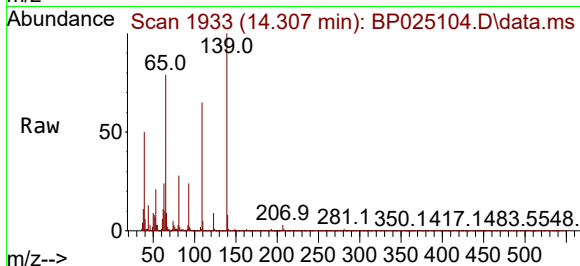
Tgt Ion:184 Resp: 35462
Ion Ratio Lower Upper
184 100
63 58.7 47.4 71.0
154 60.4 47.8 71.8





#56
4-Nitrophenol
Concen: 7.771 ng
RT: 14.307 min Scan# 1932
Delta R.T. 0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

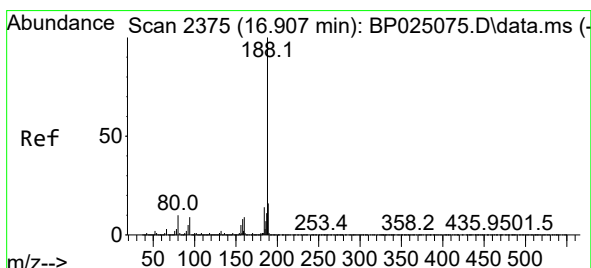
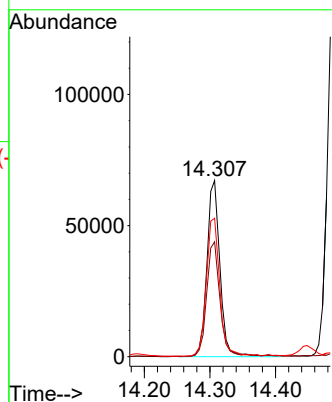
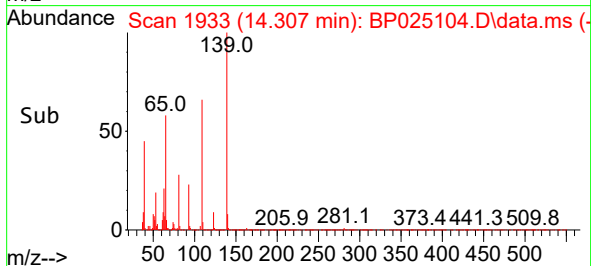
Instrument :
BNA_P
ClientSampleId :
LOQ-SOIL-02-QT2-2025



Tgt Ion:139 Resp: 92860
Ion Ratio Lower Upper
139 100
109 65.2 45.9 85.9
65 78.5 61.4 101.4

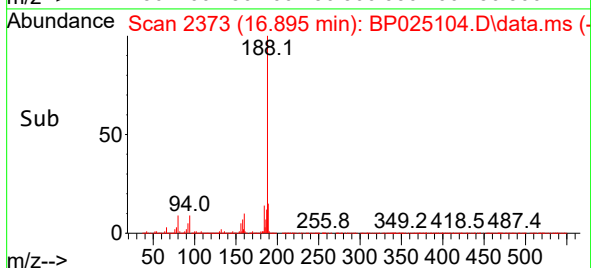
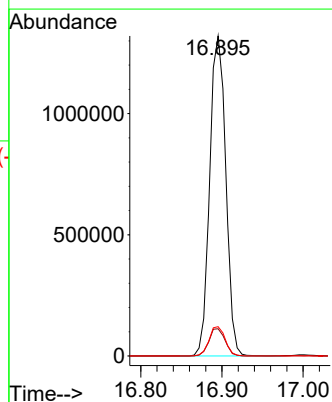
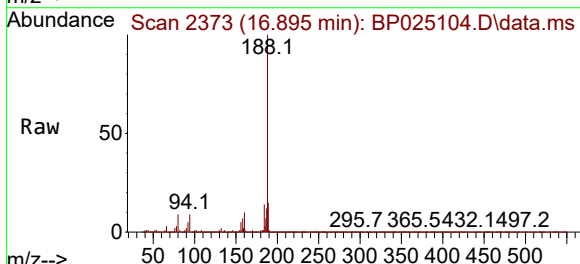
Manual Integrations
APPROVED

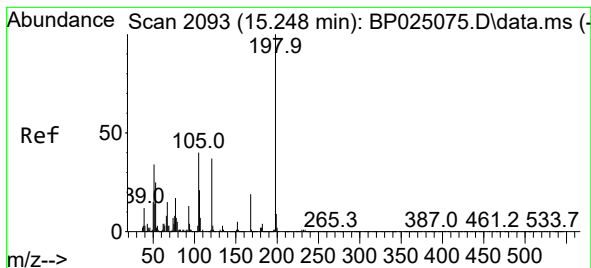
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.895 min Scan# 2373
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:188 Resp: 1814460
Ion Ratio Lower Upper
188 100
94 8.5 7.3 10.9
80 9.1 7.8 11.6





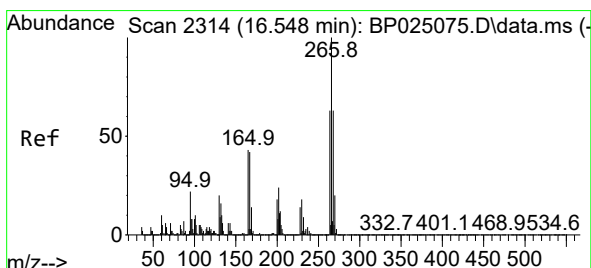
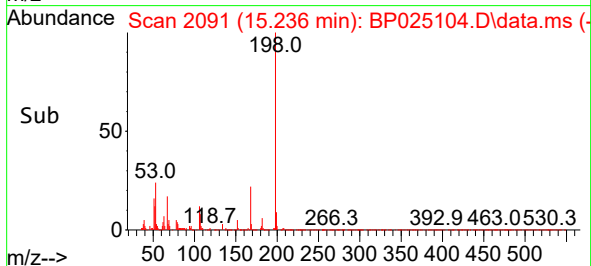
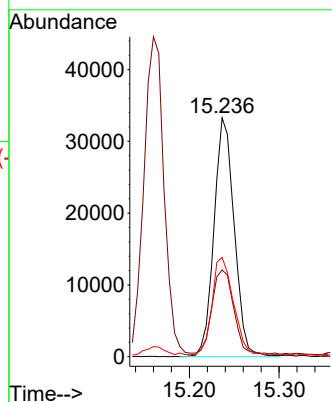
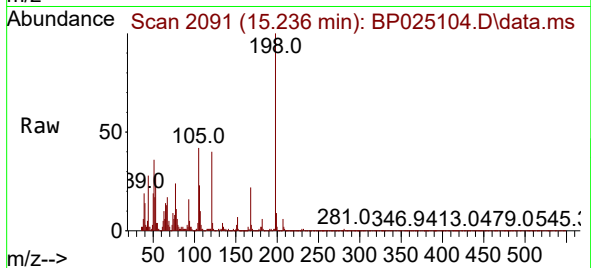
#65
4,6-Dinitro-2-methylphenol
Concen: 11.160 ng
RT: 15.236 min Scan# 2093
Delta R.T. -0.012 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Instrument : BNA_P
ClientSampleId : LOQ-SOIL-02-QT2-2025

Tgt Ion:198 Resp: 52149
Ion Ratio Lower Upper
198 100
51 36.3 16.8 56.8
105 41.6 20.8 60.8

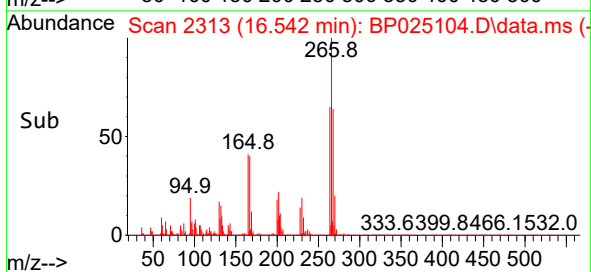
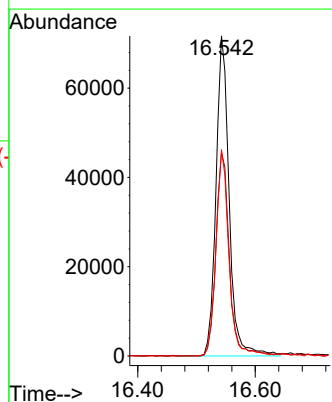
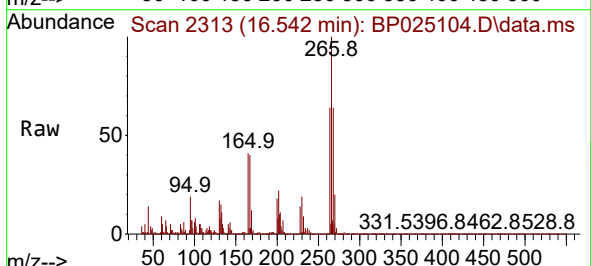
Manual Integrations
APPROVED

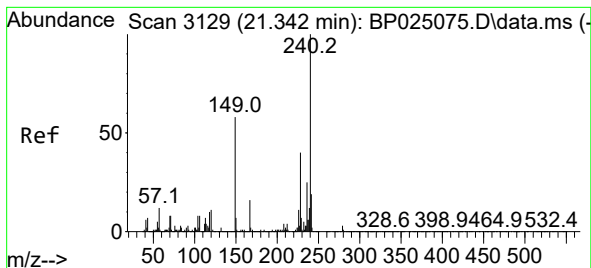
Reviewed By :Rahul Chavli 07/14/2025
Supervised By :Jagrut Upadhyay 07/14/2025



#70
Pentachlorophenol
Concen: 7.271 ng
RT: 16.542 min Scan# 2313
Delta R.T. -0.006 min
Lab File: BP025104.D
Acq: 11 Jul 2025 15:00

Tgt Ion:266 Resp: 111512
Ion Ratio Lower Upper
266 100
268 63.7 50.4 75.6
264 64.5 50.2 75.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.330 min Scan# 3129

Delta R.T. -0.012 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:240 Resp: 2050618

Ion Ratio Lower Upper

240 100

120 10.9 9.0 13.4

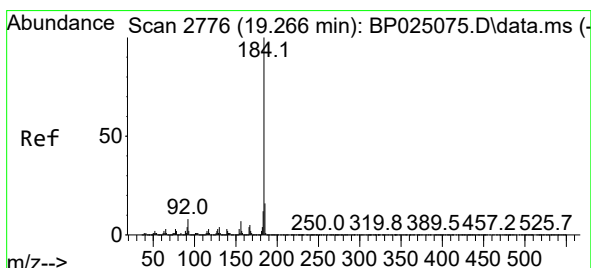
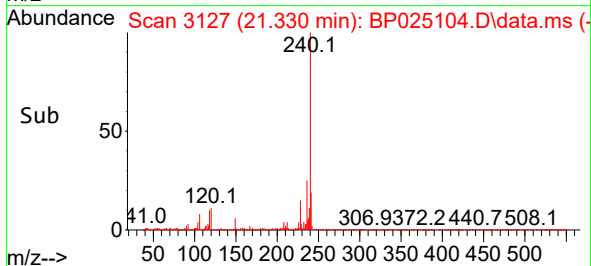
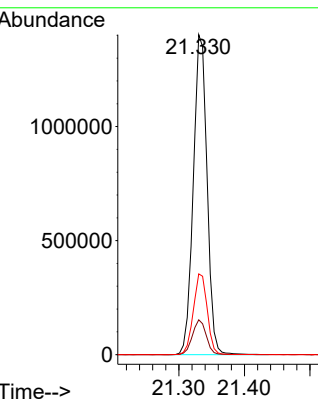
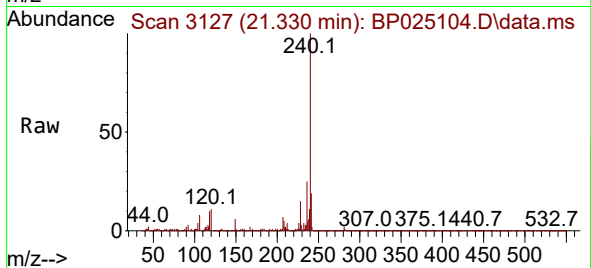
236 25.2 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#77

Benzidine

Concen: 11.910 ng

RT: 19.248 min Scan# 2773

Delta R.T. -0.018 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

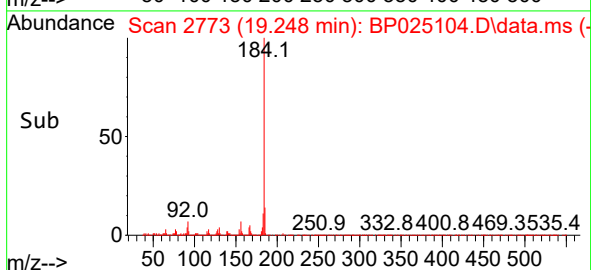
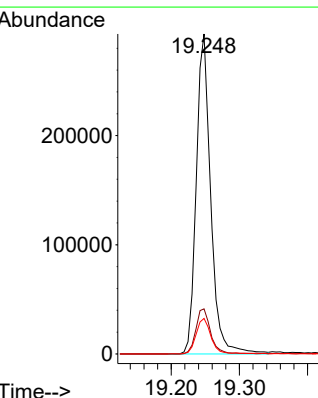
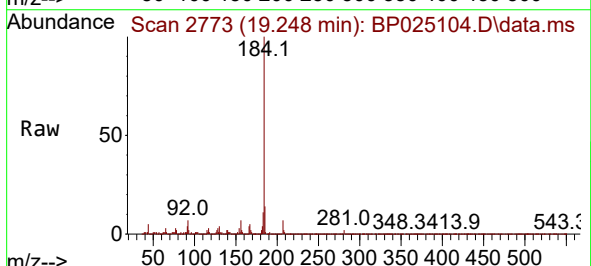
Tgt Ion:184 Resp: 431336

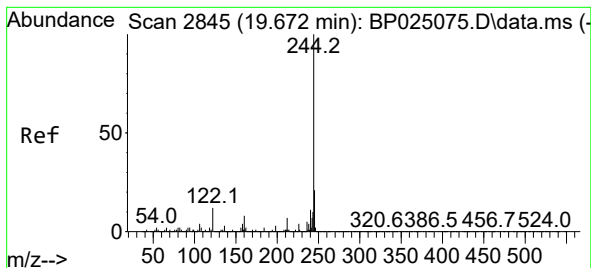
Ion Ratio Lower Upper

184 100

185 14.1 12.6 18.8

183 11.1 9.4 14.2





#79

Terphenyl-d14

Concen: 81.230 ng

RT: 19.666 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP025104.D

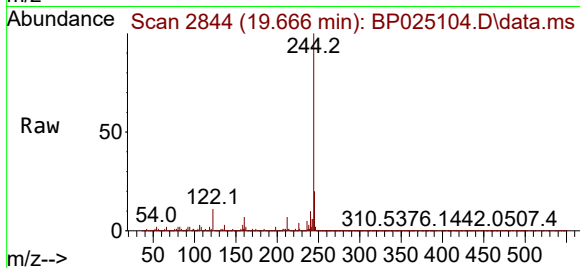
Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025



Tgt Ion:244 Resp: 7579089

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

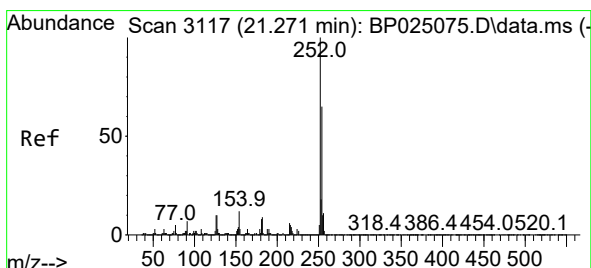
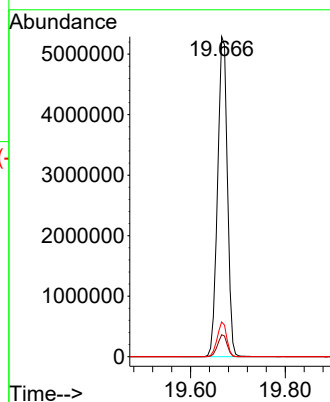
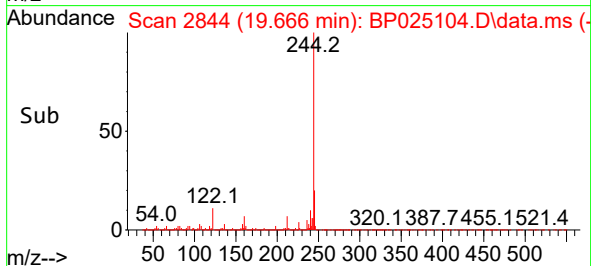
122 10.8 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#82

3,3'-Dichlorobenzidine

Concen: 9.456 ng

RT: 21.242 min Scan# 3112

Delta R.T. -0.029 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

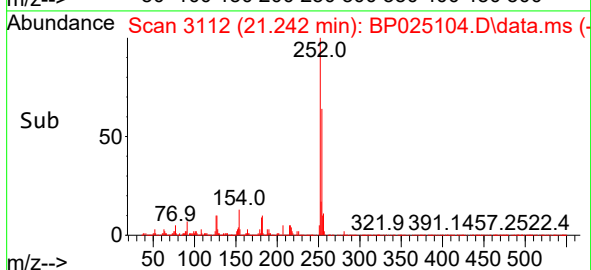
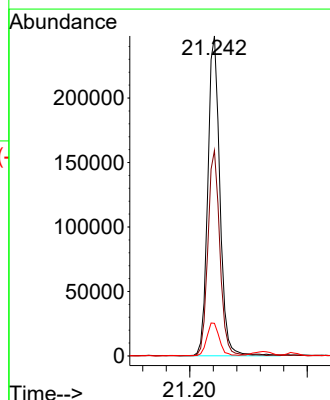
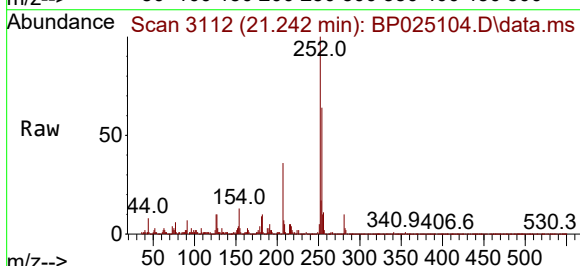
Tgt Ion:252 Resp: 353736

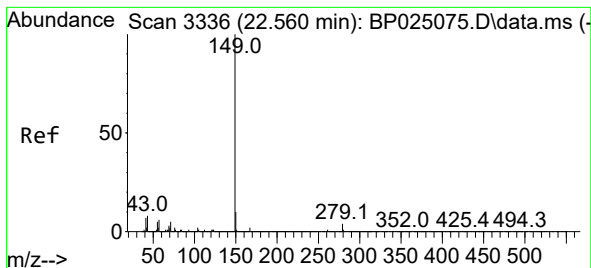
Ion Ratio Lower Upper

252 100

254 64.2 51.9 77.9

126 10.2 8.1 12.1





#85

Di-n-octyl phthalate

Concen: 12.199 ng

RT: 22.524 min Scan# 31

Delta R.T. -0.036 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Instrument :

BNA_P

ClientSampleId :

LOQ-SOIL-02-QT2-2025

Tgt Ion:149 Resp: 854068

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

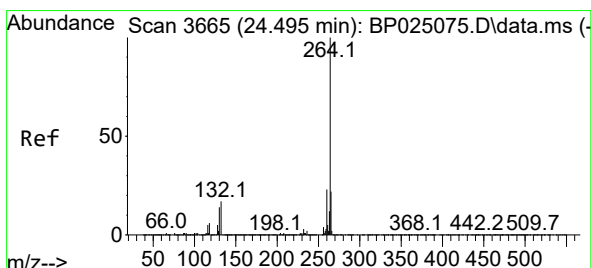
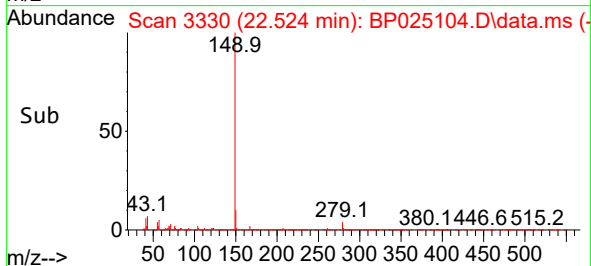
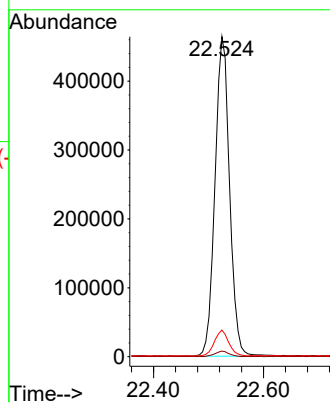
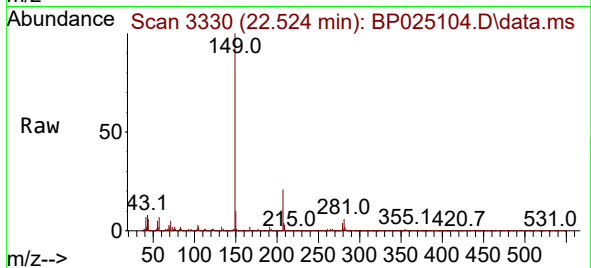
43 7.9 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/14/2025

Supervised By :Jagrut Upadhyay 07/14/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.465 min Scan# 3660

Delta R.T. -0.029 min

Lab File: BP025104.D

Acq: 11 Jul 2025 15:00

Tgt Ion:264 Resp: 2256008

Ion Ratio Lower Upper

264 100

260 22.8 18.6 28.0

265 21.6 17.7 26.5

