

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025164.D
 Acq On : 16 Jul 2025 18:59
 Operator : CG/JU
 Sample : Q2600-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 END-OF-TRENCH

Quant Time: Jul 17 01:10:01 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 07/17/2025
 Supervised By :Jagrut Upadhyay 07/17/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.449	152	582317	20.000	ng	0.00
21) Naphthalene-d8	10.196	136	2493694	20.000	ng	# 0.01
39) Acenaphthene-d10	14.101	164	1630808	20.000	ng	0.01
64) Phenanthrene-d10	16.919	188	2984400	20.000	ng	0.01
76) Chrysene-d12	21.354	240	2659407	20.000	ng	0.01
86) Perylene-d12	24.501	264	3258106	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	2760006	83.980	ng	0.01
7) Phenol-d6	6.643	99	3243256	75.621	ng	0.01
23) Nitrobenzene-d5	8.584	82	2174799	58.000	ng	0.02
42) 2,4,6-Tribromophenol	15.631	330	1725594	89.570	ng	0.01
45) 2-Fluorobiphenyl	12.701	172	5374932	51.059	ng	0.00
79) Terphenyl-d14	19.683	244	6888021	56.924	ng	0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.249	128	1261128	9.821	ng	# 93
37) 2-Methylnaphthalene	11.866	142	270867	2.990	ng	# 95
38) 1-Methylnaphthalene	12.095	142	708877	8.023	ng	# 98
58) Fluorene	15.172	166	267049	2.378	ng	# 95
71) Phenanthrene	16.972	178	2206595	13.837	ng	98
72) Anthracene	17.066	178	443241m	2.897	ng	
75) Fluoranthene	19.077	202	3352727	17.986	ng	97
78) Pyrene	19.454	202	2979662	18.089	ng	97
80) Butylbenzylphthalate	20.436	149	844399	15.967	ng	97
81) Benzo(a)anthracene	21.336	228	1340653	8.319	ng	# 92
83) Chrysene	21.401	228	1405319m	9.061	ng	
84) Bis(2-ethylhexyl)phtha...	21.324	149	2959392	34.234	ng	97
87) Indeno(1,2,3-cd)pyrene	28.059	276	876482	4.223	ng	# 92
88) Benzo(b)fluoranthene	23.518	252	1753378	9.246	ng	# 82
89) Benzo(k)fluoranthene	23.577	252	621169m	3.292	ng	
90) Benzo(a)pyrene	24.354	252	1208350	7.487	ng	# 83
92) Benzo(g,h,i)perylene	29.130	276	808384	4.561	ng	95

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

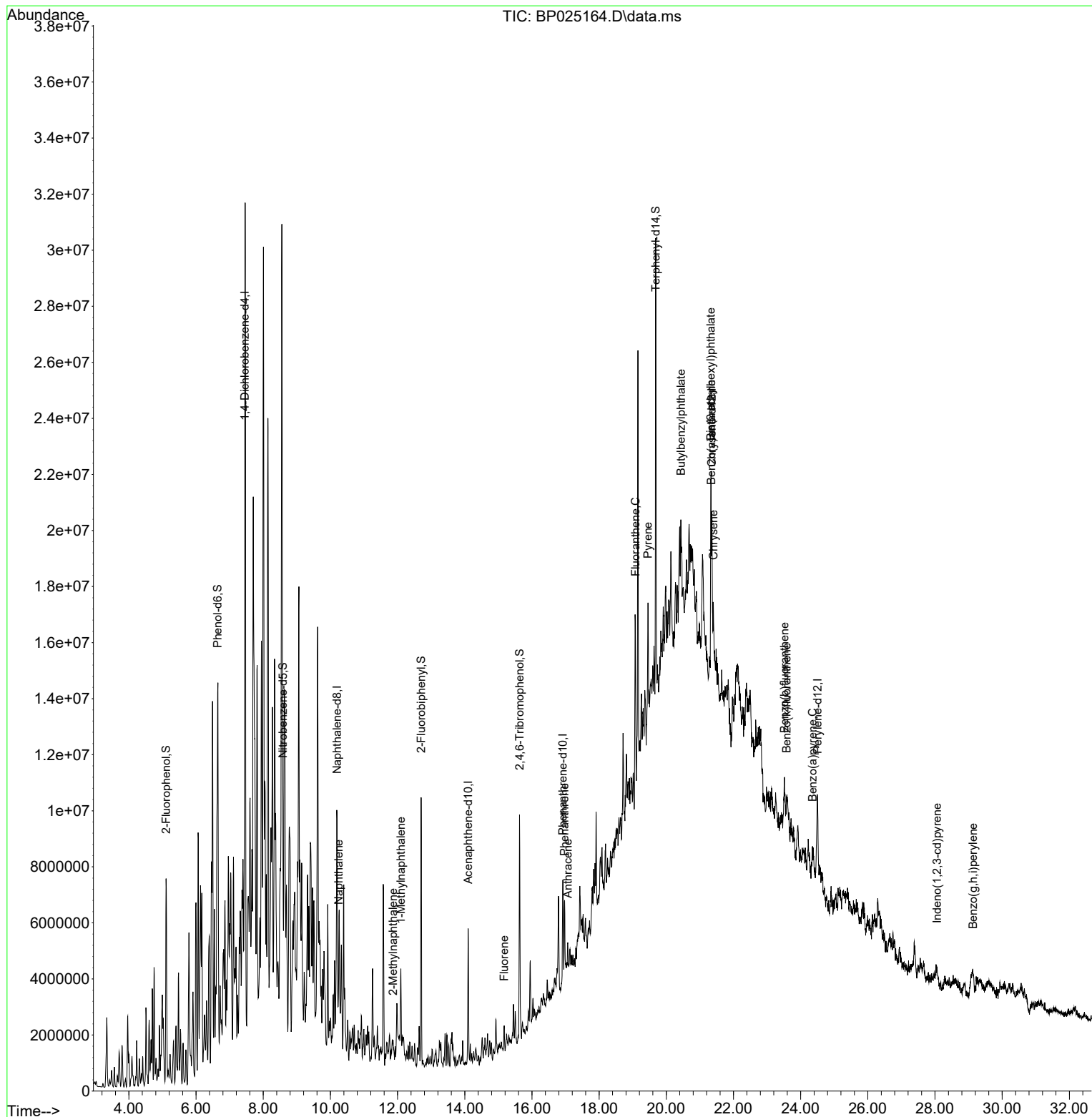
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025164.D
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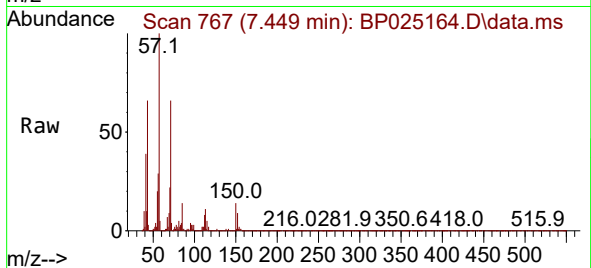
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.449 min Scan# 70
Delta R.T. 0.006 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

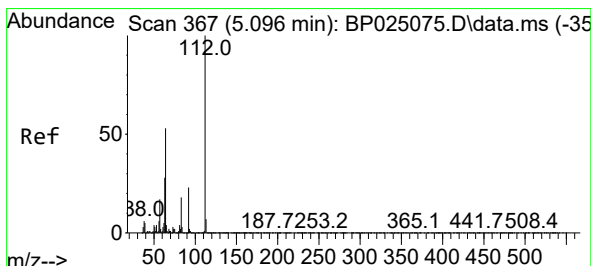
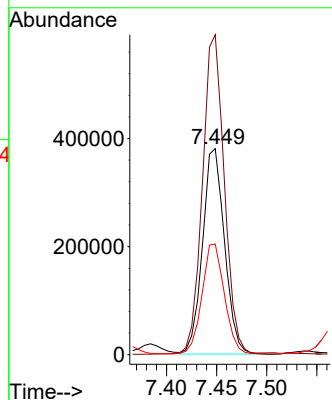
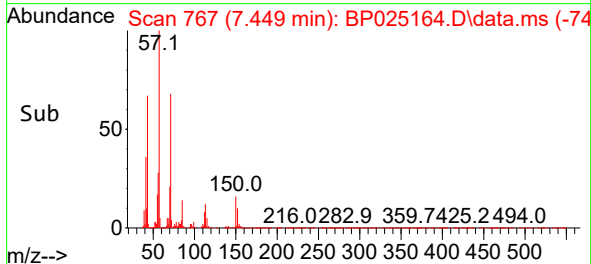
Instrument :
BNA_P
ClientSampleId :
END-OF-TRENCH



Tgt Ion:152 Resp: 58231
Ion Ratio Lower Upper
152 100
150 155.3 126.1 189.1
115 53.8 44.3 66.5

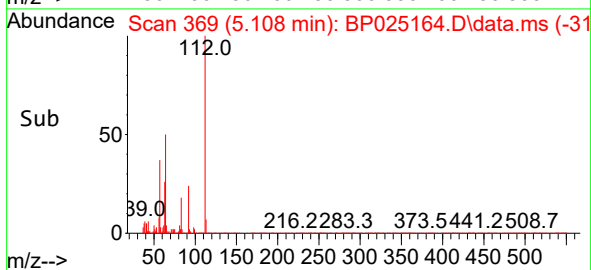
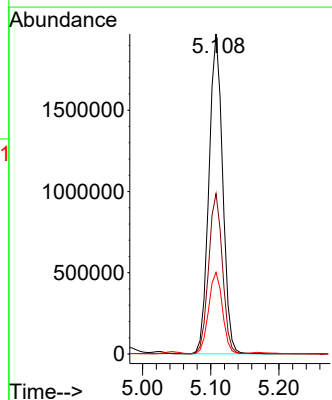
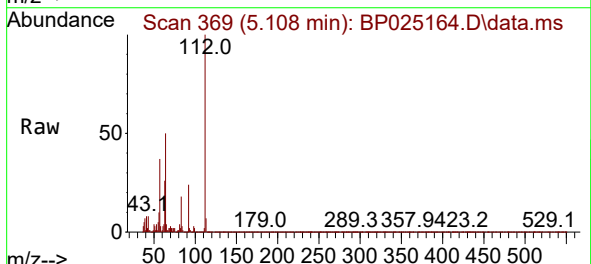
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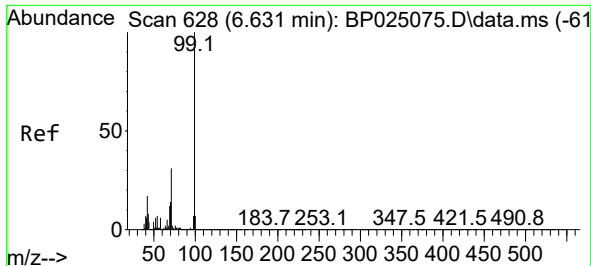
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#5
2-Fluorophenol
Concen: 83.980 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.012 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

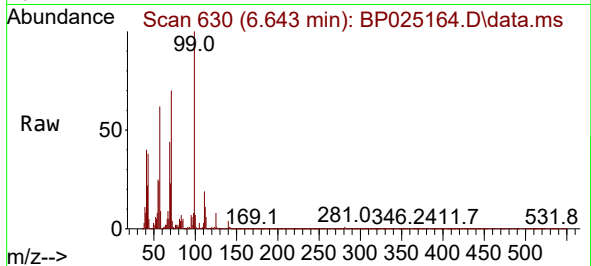
Tgt Ion:112 Resp: 2760006
Ion Ratio Lower Upper
112 100
64 50.1 42.0 63.0
63 25.5 22.2 33.2





#7
Phenol-d6
Concen: 75.621 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

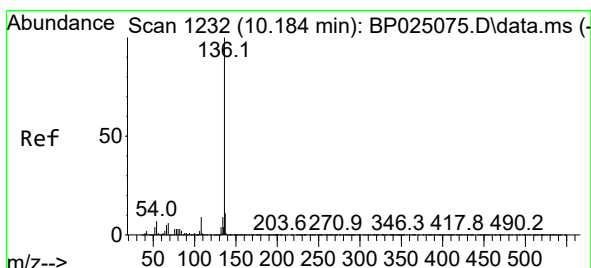
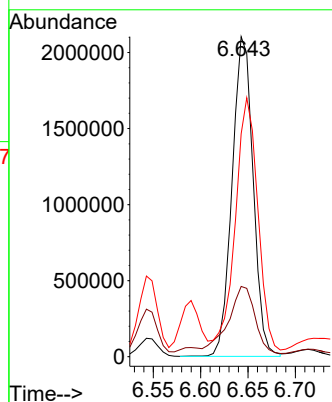
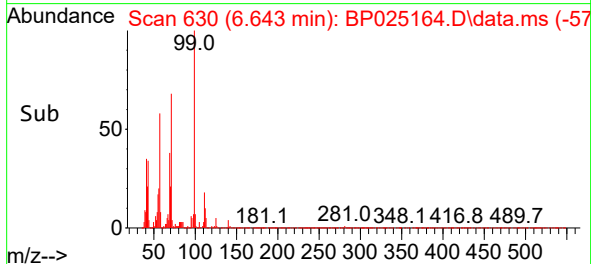
Instrument :
BNA_P
ClientSampleId :
END-OF-TRENCH



Tgt Ion: 99 Resp: 3243250
Ion Ratio Lower Upper
99 100
42 22.0 13.6 20.4
71 69.7 24.4 36.6

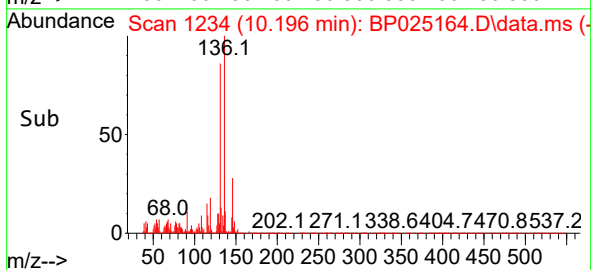
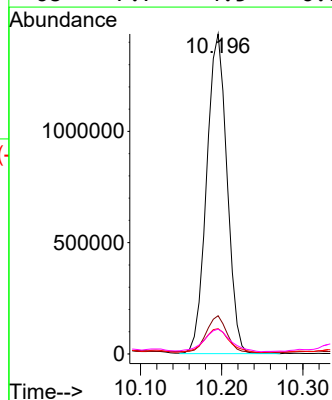
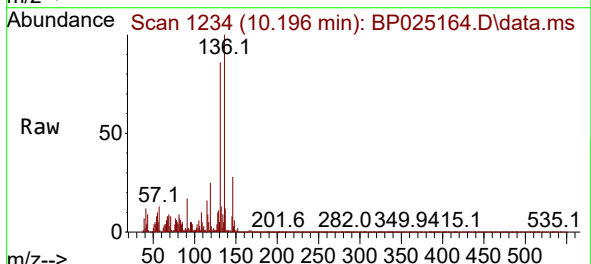
Manual Integrations
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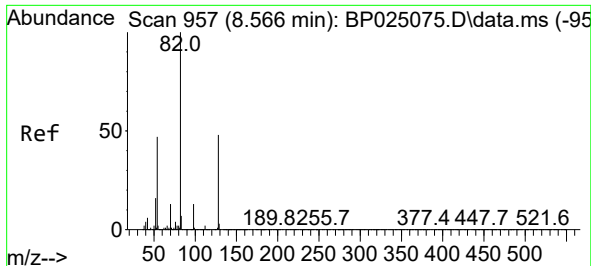
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.196 min Scan# 1234
Delta R.T. 0.012 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

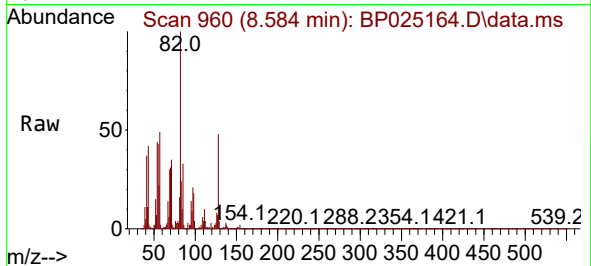
Tgt Ion:136 Resp: 2493694
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 7.9 5.4 8.2
68 7.7 4.5 6.7





#23
Nitrobenzene-d5
Concen: 58.000 ng
RT: 8.584 min Scan# 90
Delta R.T. 0.018 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

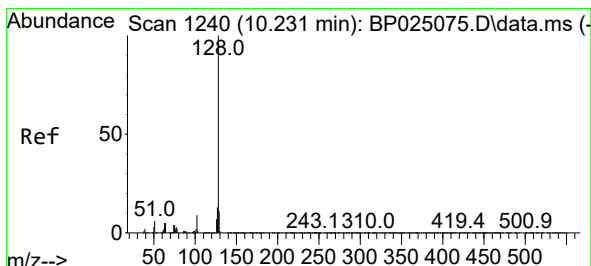
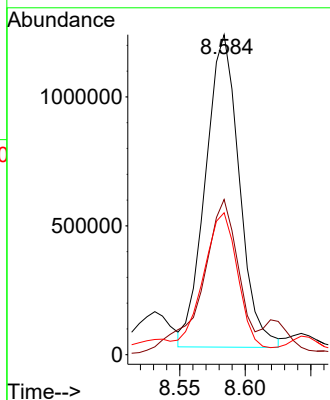
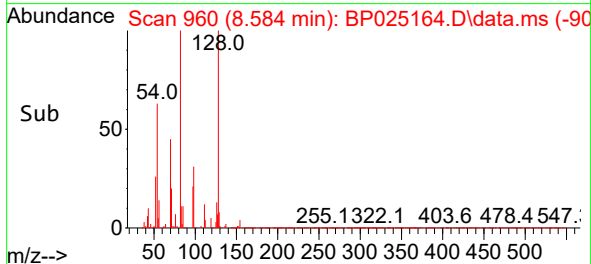
Instrument :
BNA_P
ClientSampleId :
END-OF-TRENCH



Tgt Ion: 82 Resp: 2174799
Ion Ratio Lower Upper
82 100
128 48.5 38.4 57.6
54 44.3 37.8 56.6

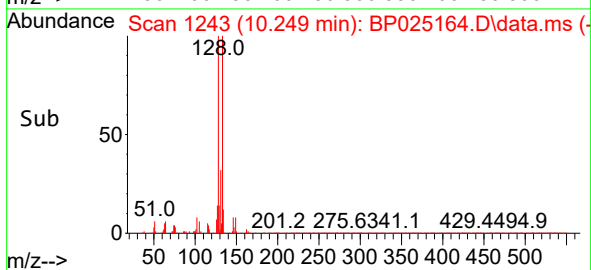
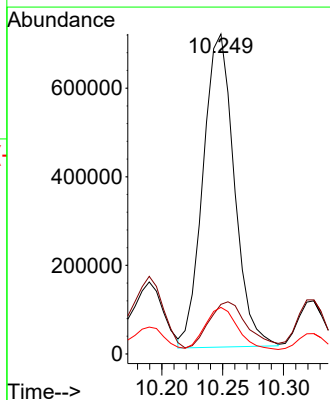
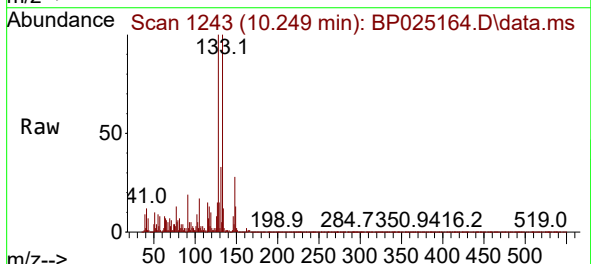
Manual Integrations
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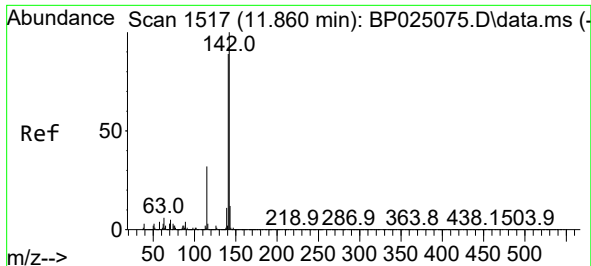
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#31
Naphthalene
Concen: 9.821 ng
RT: 10.249 min Scan# 1243
Delta R.T. 0.018 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

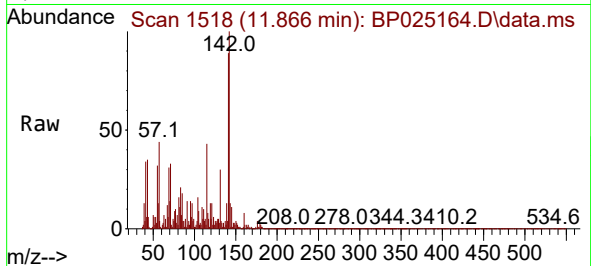
Tgt Ion:128 Resp: 1261128
Ion Ratio Lower Upper
128 100
129 15.5 8.9 13.3#
127 14.6 10.4 15.6





#37
2-Methylnaphthalene
Concen: 2.990 ng
RT: 11.866 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

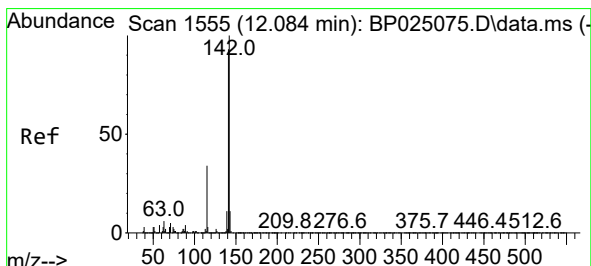
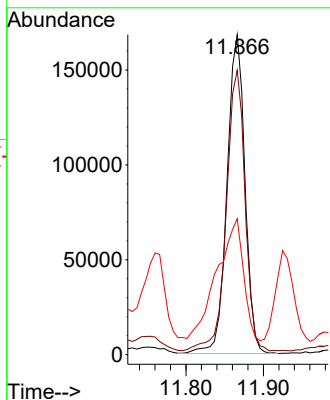
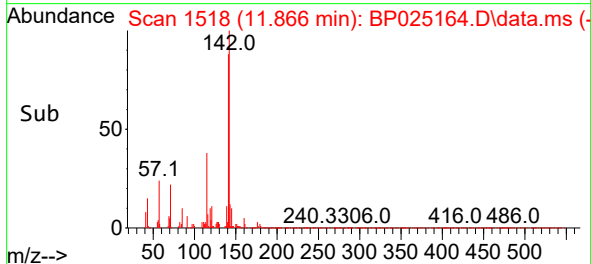
Instrument :
BNA_P
ClientSampleId :
END-OF-TRENCH



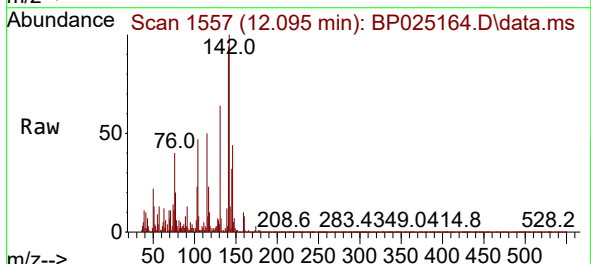
Tgt Ion:142 Resp: 27086
Ion Ratio Lower Upper
142 100
141 89.0 71.2 106.8
115 42.5 25.9 38.9

Manual Integrations
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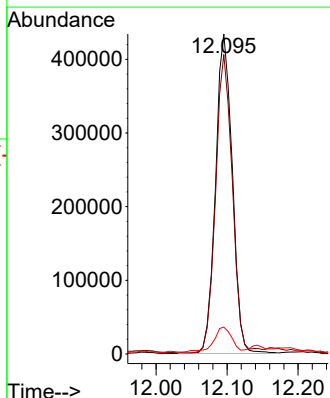
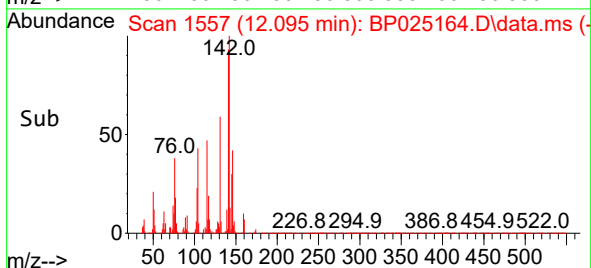
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

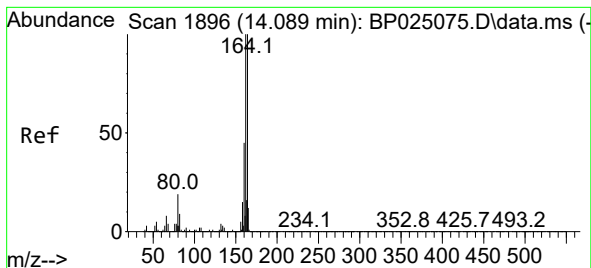


#38
1-Methylnaphthalene
Concen: 8.023 ng
RT: 12.095 min Scan# 1557
Delta R.T. 0.012 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59



Tgt Ion:142 Resp: 708877
Ion Ratio Lower Upper
142 100
141 93.6 74.1 111.1
116 8.4 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.101 min Scan# 11

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

Instrument :

BNA_P

ClientSampleId :

END-OF-TRENCH

Tgt Ion:164 Resp: 163080

Ion Ratio Lower Upper

164 100

162 100.1 80.3 120.5

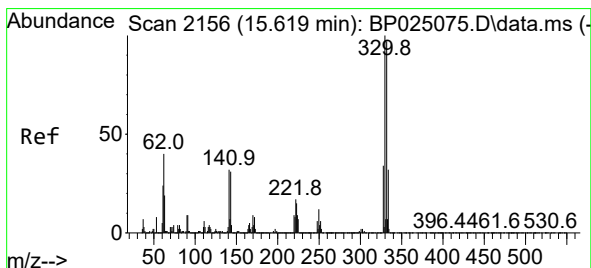
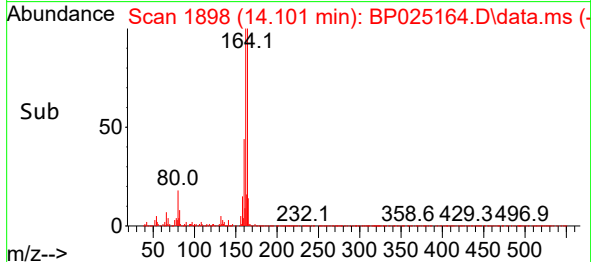
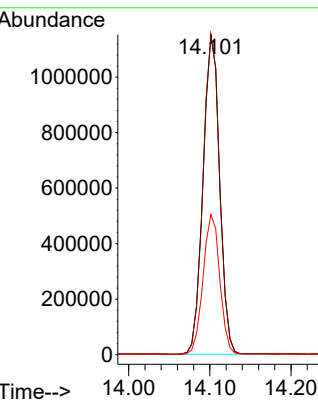
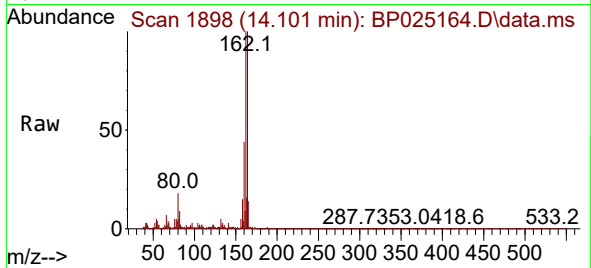
160 43.8 35.9 53.9

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#42

2,4,6-Tribromophenol

Concen: 89.570 ng

RT: 15.631 min Scan# 2158

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

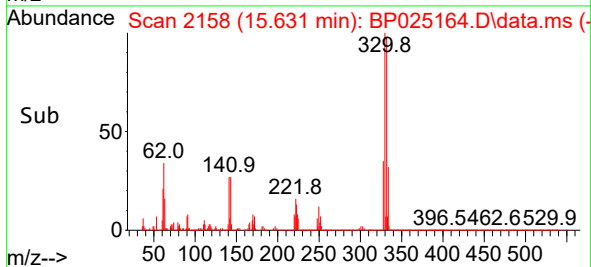
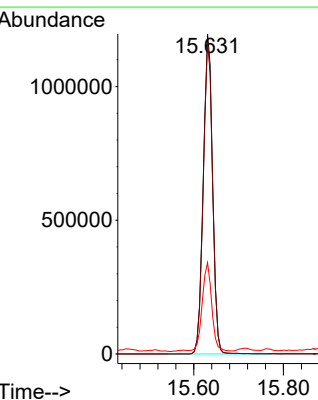
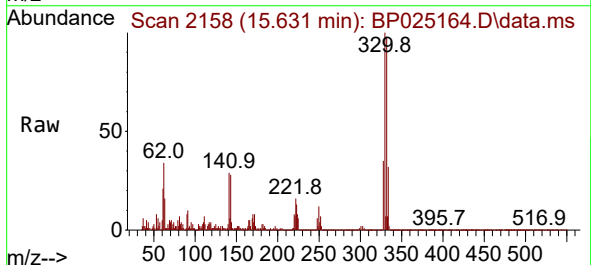
Tgt Ion:330 Resp: 1725594

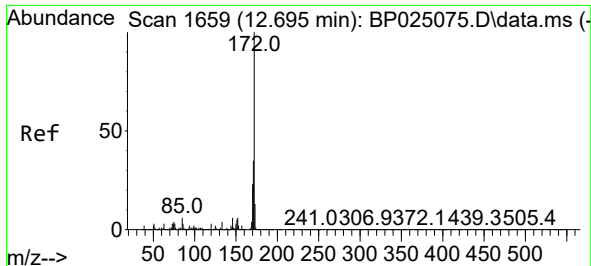
Ion Ratio Lower Upper

330 100

332 97.6 77.7 116.5

141 27.9 26.0 39.0





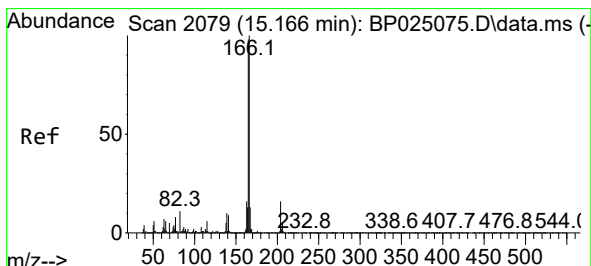
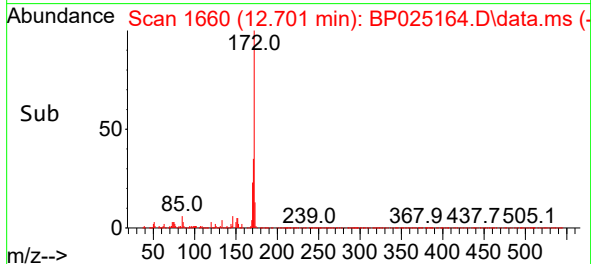
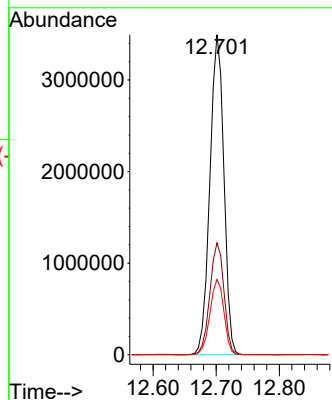
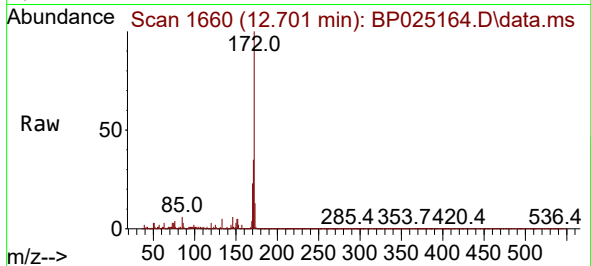
#45
2-Fluorobiphenyl
Concen: 51.059 ng
RT: 12.701 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

Instrument :
BNA_P
ClientSampleId :
END-OF-TRENCH

Tgt Ion:172 Resp: 537493
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.5 18.7 28.1

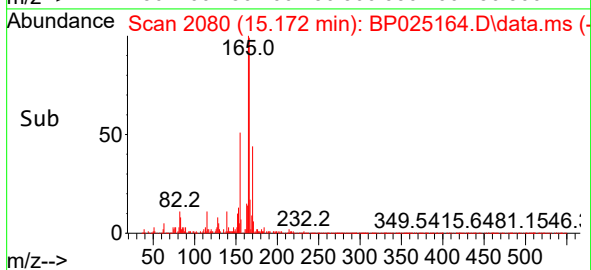
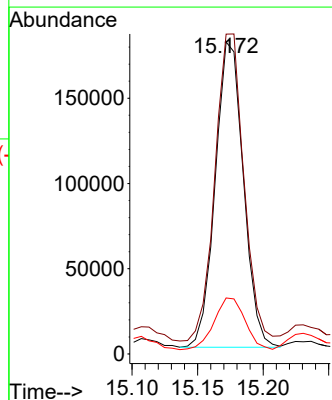
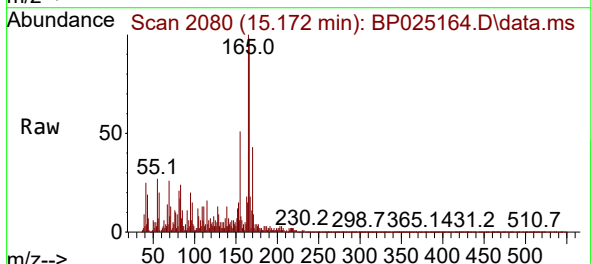
Manual Integrations
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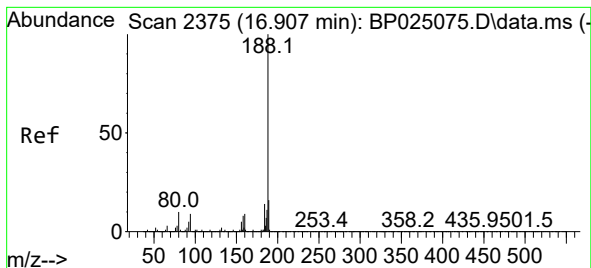
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#58
Fluorene
Concen: 2.378 ng
RT: 15.172 min Scan# 2080
Delta R.T. 0.006 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

Tgt Ion:166 Resp: 267049
Ion Ratio Lower Upper
166 100
165 102.6 78.6 117.8
167 18.0 10.7 16.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.919 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

Instrument :

BNP_P

ClientSampleId :

END-OF-TRENCH

Tgt Ion:188 Resp: 2984400

Ion Ratio Lower Upper

188 100

94 9.4 7.3 10.9

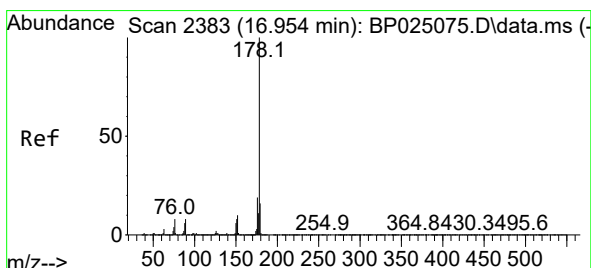
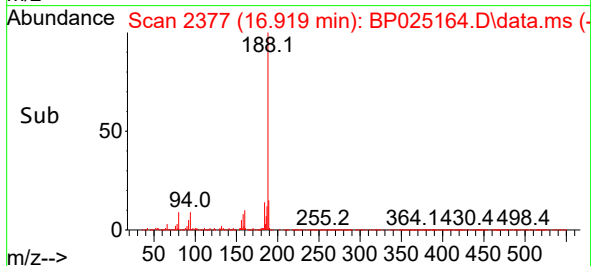
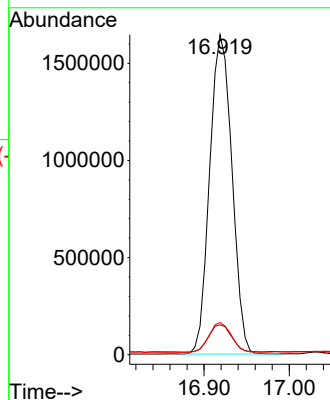
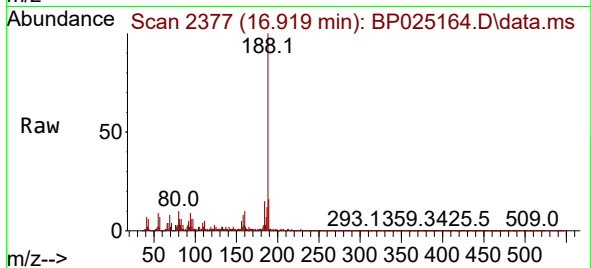
80 10.1 7.8 11.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#71

Phenanthrene

Concen: 13.837 ng

RT: 16.972 min Scan# 2386

Delta R.T. 0.018 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

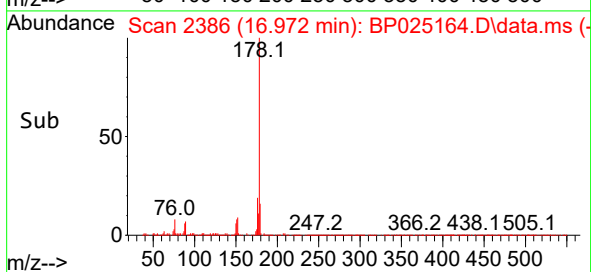
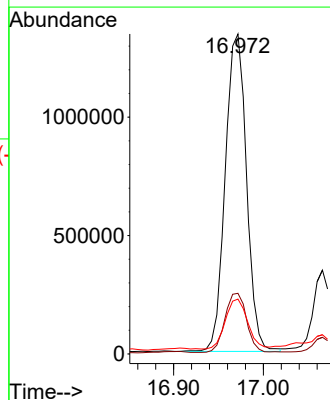
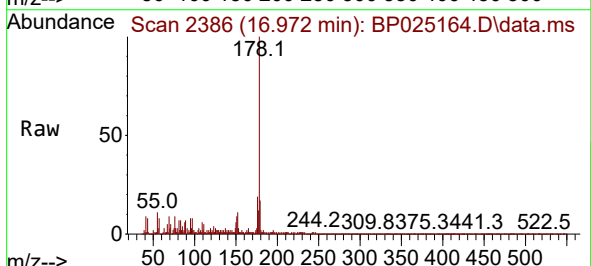
Tgt Ion:178 Resp: 2206595

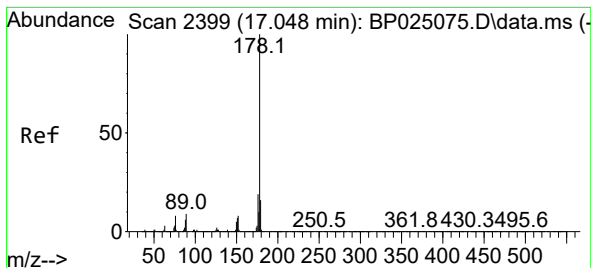
Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

179 17.2 12.6 19.0





#72

Anthracene

Concen: 2.897 ng m

RT: 17.066 min Scan# 2402

Delta R.T. 0.018 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

Instrument :

BNA_P

ClientSampleId :

END-OF-TRENCH

Tgt Ion:178 Resp: 44324

Ion Ratio Lower Upper

178 100

176 19.8 15.0 22.6

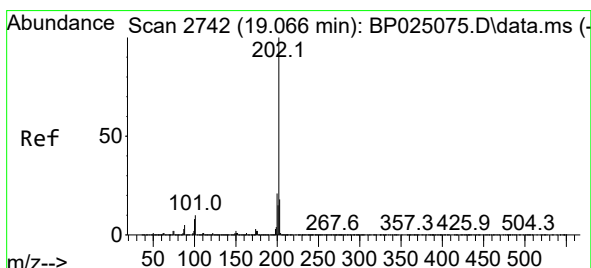
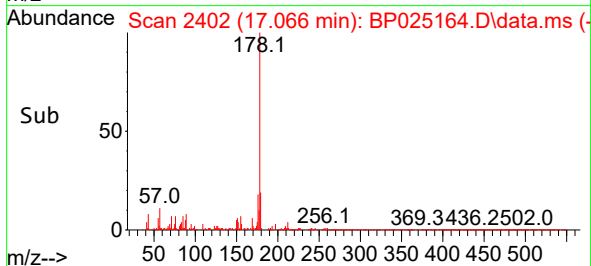
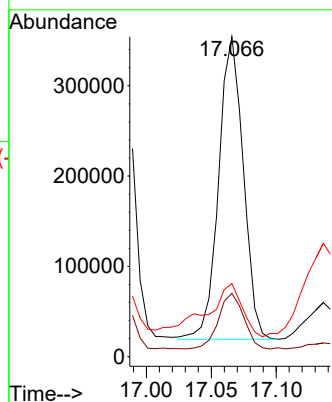
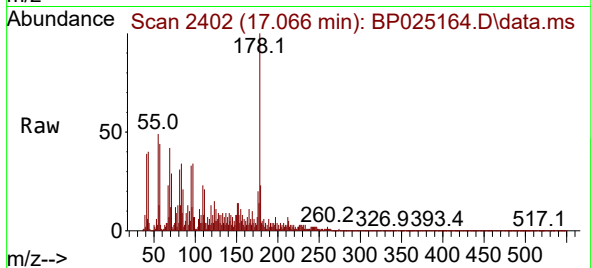
179 22.9 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#75

Fluoranthene

Concen: 17.986 ng

RT: 19.077 min Scan# 2744

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

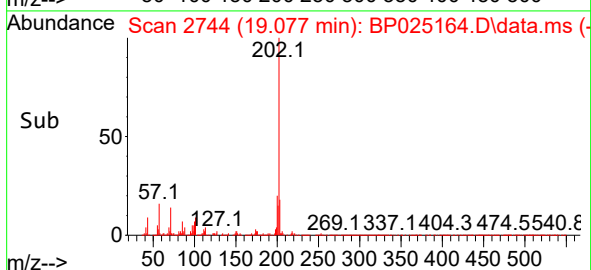
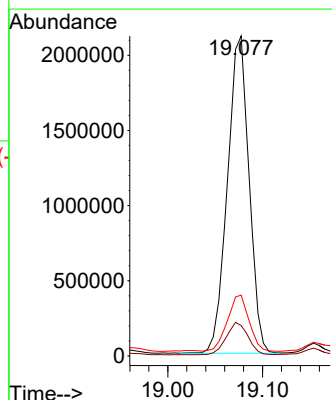
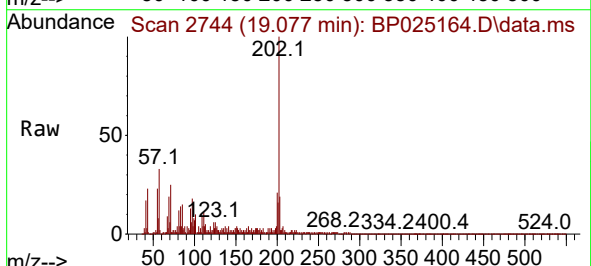
Tgt Ion:202 Resp: 3352727

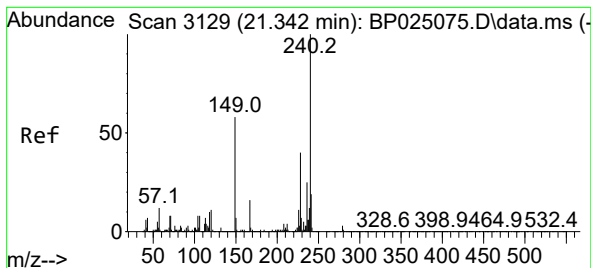
Ion Ratio Lower Upper

202 100

101 9.5 0.0 30.4

203 19.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.354 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

Instrument :

BNA_P

ClientSampleId :

END-OF-TRENCH

Tgt Ion:240 Resp: 265940

Ion Ratio Lower Upper

240 100

120 12.2 9.0 13.4

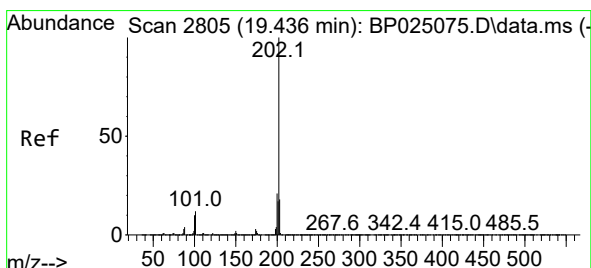
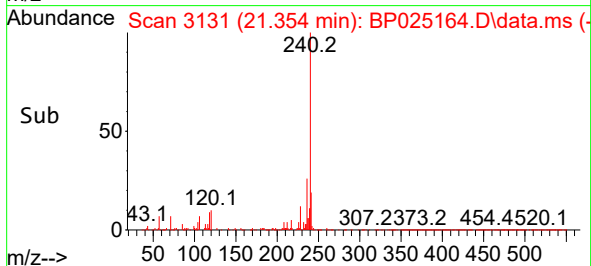
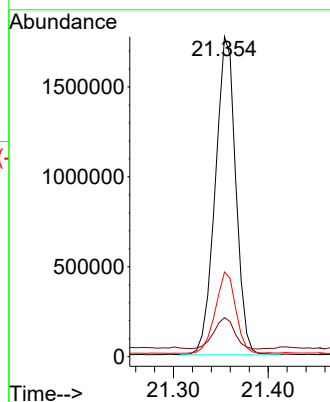
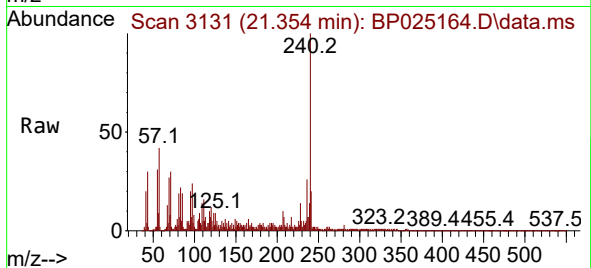
236 26.5 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#78

Pyrene

Concen: 18.089 ng

RT: 19.454 min Scan# 2808

Delta R.T. 0.018 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

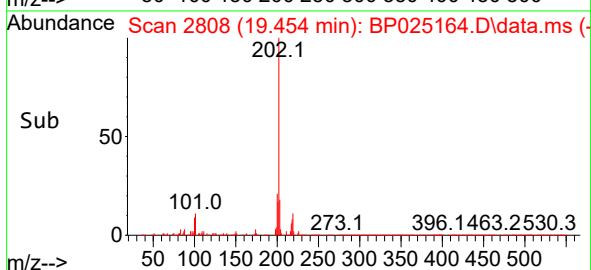
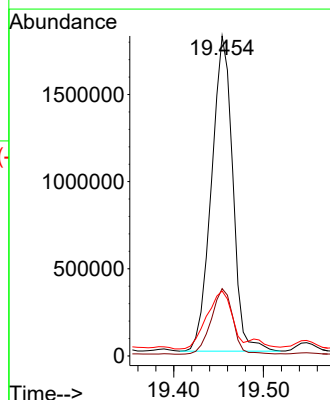
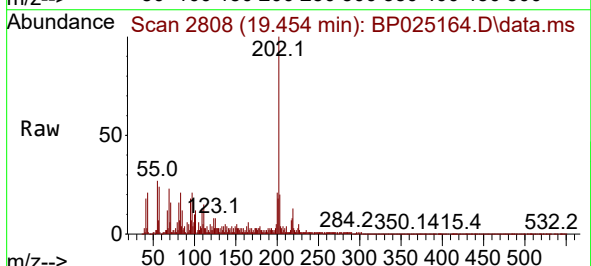
Tgt Ion:202 Resp: 2979662

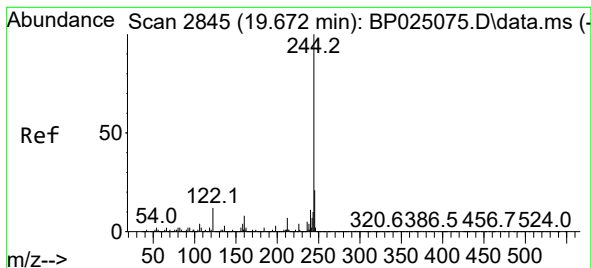
Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 20.3 14.1 21.1





#79

Terphenyl-d14

Concen: 56.924 ng

RT: 19.683 min Scan# 2845

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

Instrument :

BNA_P

ClientSampleId :

END-OF-TRENCH

Tgt Ion:244 Resp: 688802

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

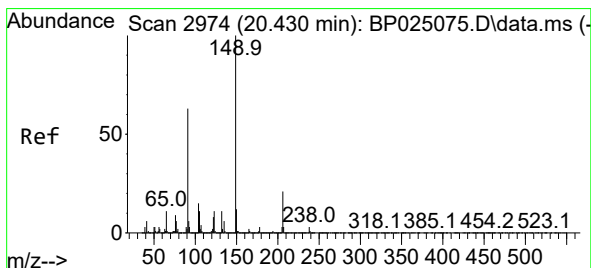
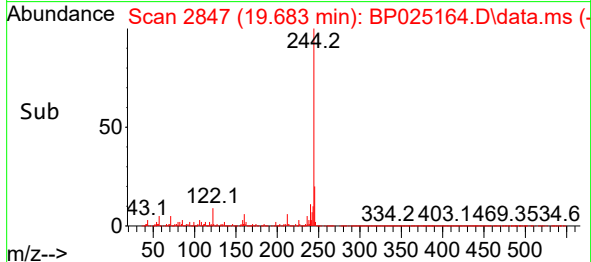
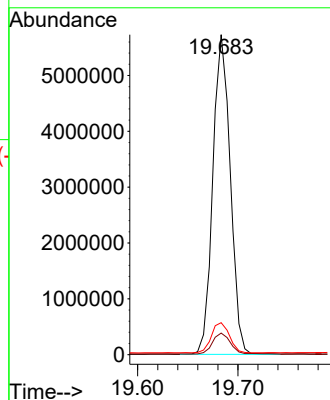
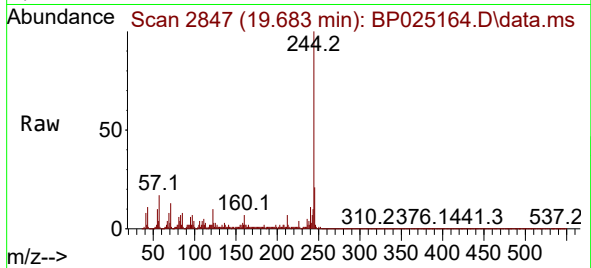
122 10.0 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#80

Butylbenzylphthalate

Concen: 15.967 ng

RT: 20.436 min Scan# 2975

Delta R.T. 0.006 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

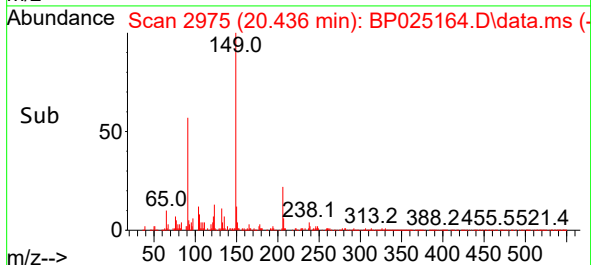
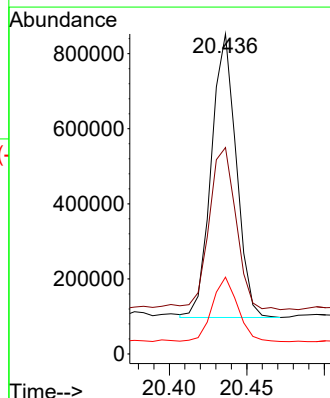
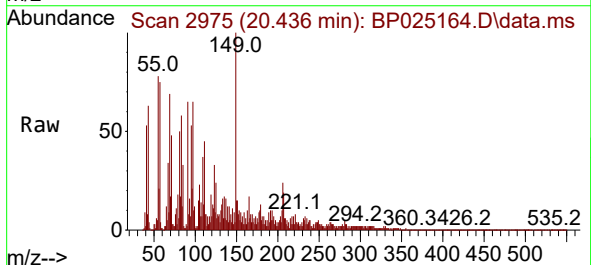
Tgt Ion:149 Resp: 844399

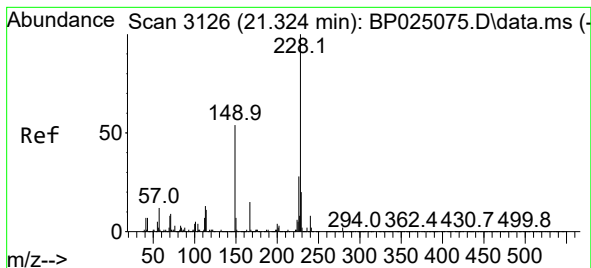
Ion Ratio Lower Upper

149 100

91 64.5 50.6 76.0

206 24.0 17.2 25.8





#81

Benzo(a)anthracene

Concen: 8.319 ng

RT: 21.336 min Scan# 3126

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

Instrument :

BNA_P

ClientSampleId :

END-OF-TRENCH

Tgt Ion:228 Resp: 134065

Ion Ratio Lower Upper

228 100

226 31.1 22.1 33.1

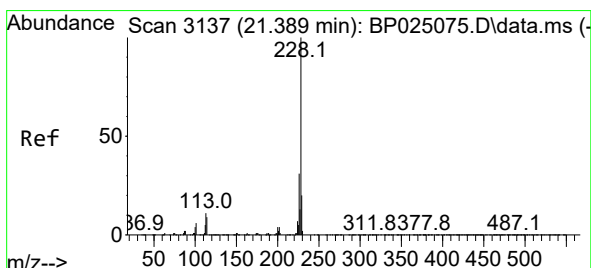
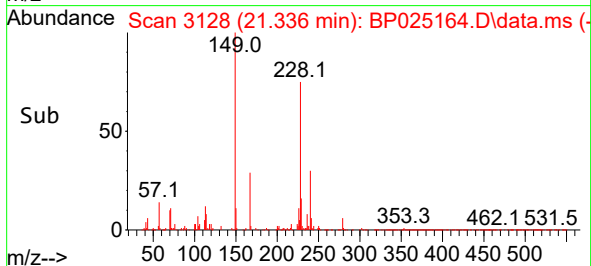
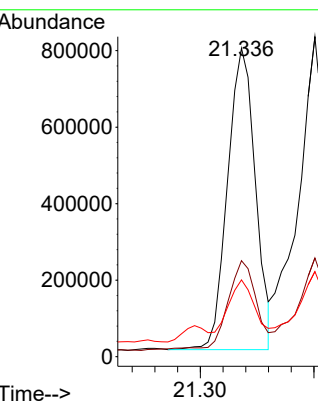
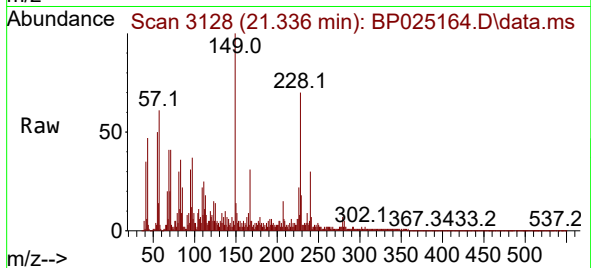
229 24.9 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#83

Chrysene

Concen: 9.061 ng m

RT: 21.401 min Scan# 3139

Delta R.T. 0.012 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

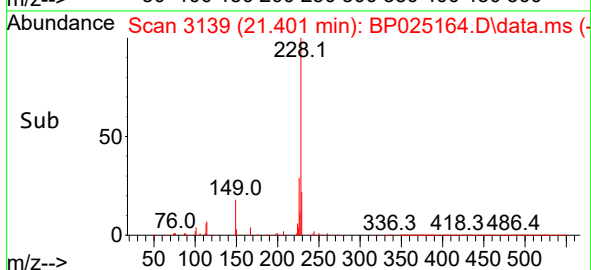
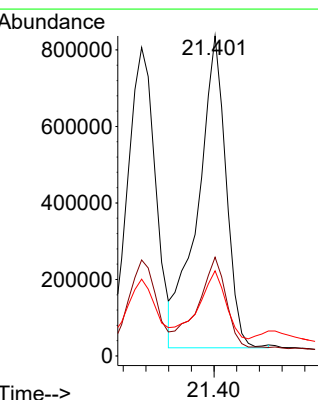
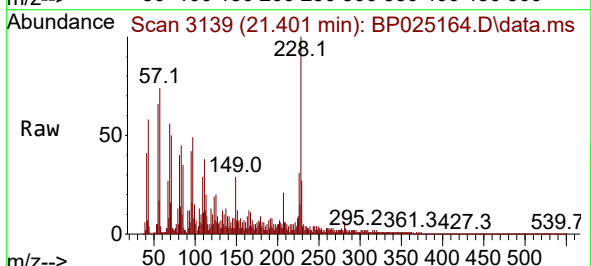
Tgt Ion:228 Resp: 1405319

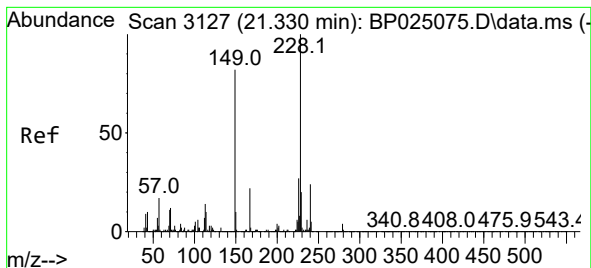
Ion Ratio Lower Upper

228 100

226 30.8 24.4 36.6

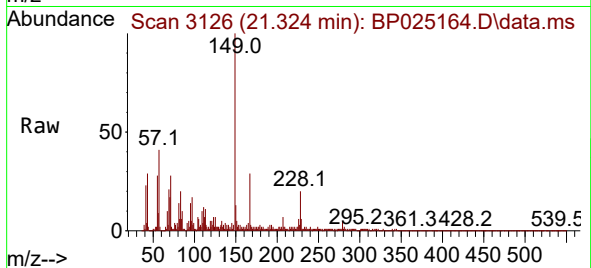
229 26.6 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 34.234 ng
RT: 21.324 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

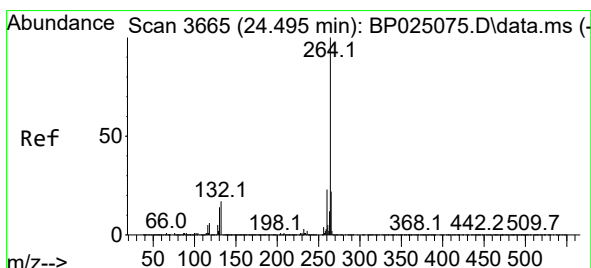
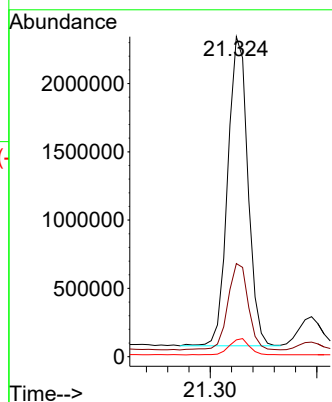
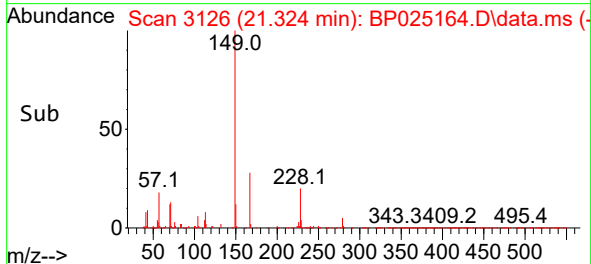
Instrument :
BNA_P
ClientSampleId :
END-OF-TRENCH



Tgt Ion:149 Resp: 2959392
Ion Ratio Lower Upper
149 100
167 29.1 21.9 32.9
279 5.3 3.5 5.3

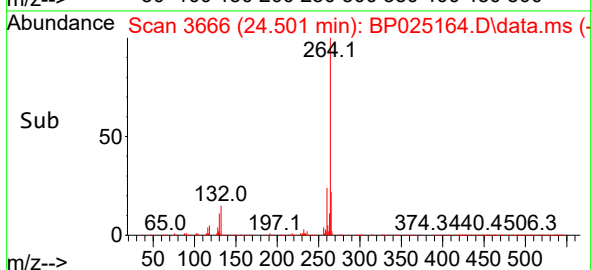
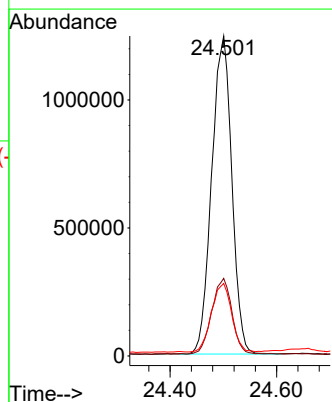
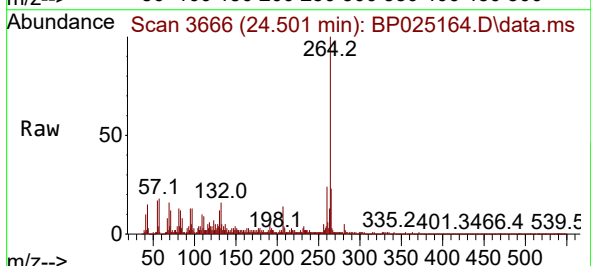
Manual Integrations
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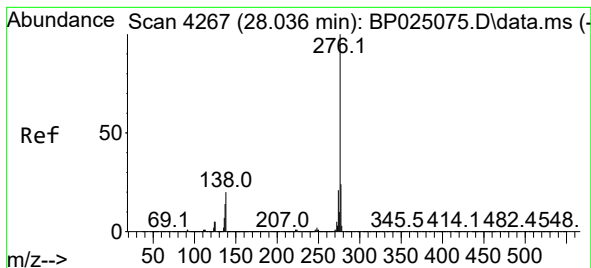
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.501 min Scan# 3666
Delta R.T. 0.006 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

Tgt Ion:264 Resp: 3258106
Ion Ratio Lower Upper
264 100
260 24.3 18.6 28.0
265 22.7 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.223 ng

RT: 28.059 min Scan# 4267

Delta R.T. 0.024 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

Instrument :

BNA_P

ClientSampleId :

END-OF-TRENCH

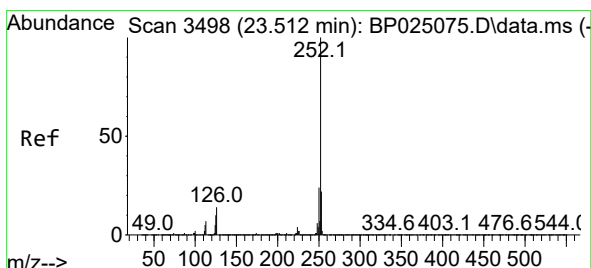
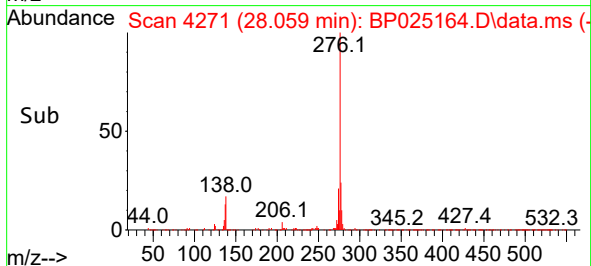
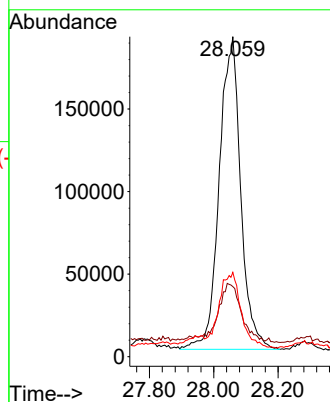
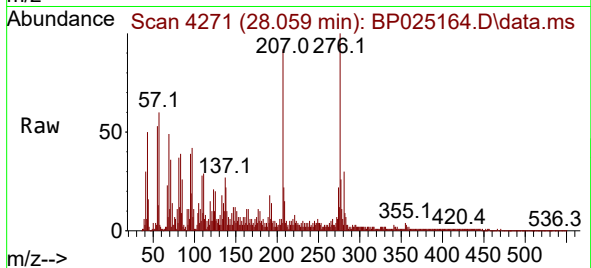
Tgt Ion:	276	Resp:	87648
Ion Ratio	Lower	Upper	
276	100		
138	19.2	13.0	19.6
277	24.0	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#88

Benzo(b)fluoranthene

Concen: 9.246 ng

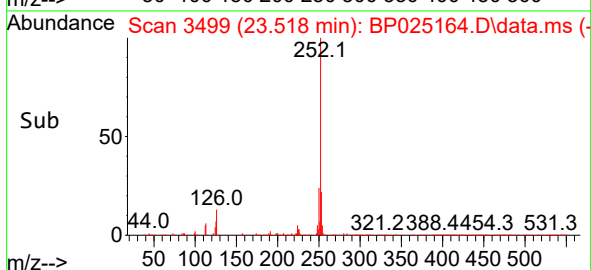
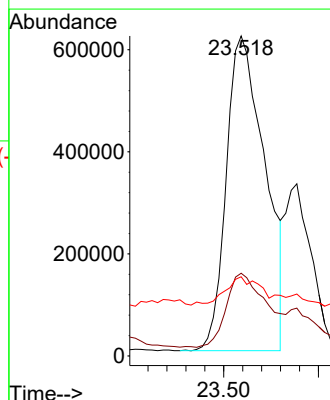
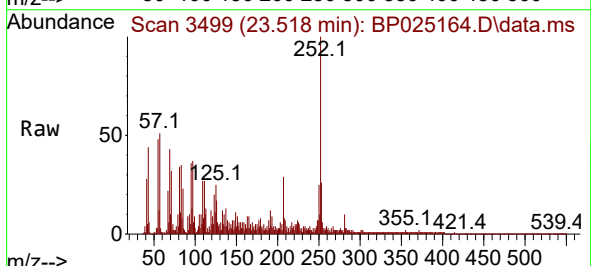
RT: 23.518 min Scan# 3499

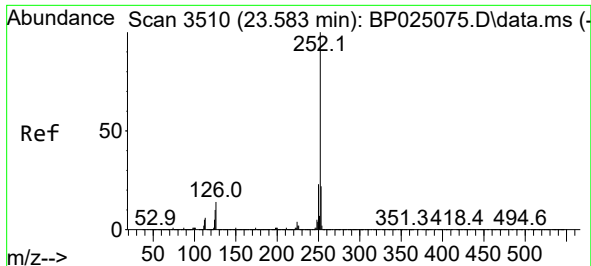
Delta R.T. 0.006 min

Lab File: BP025164.D

Acq: 16 Jul 2025 18:59

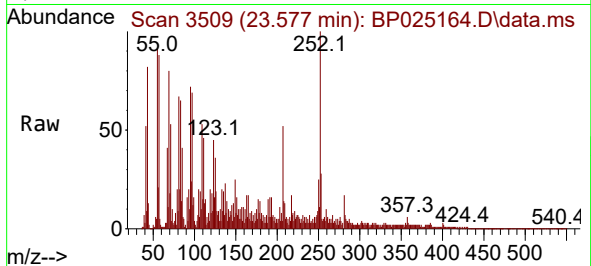
Tgt Ion:	252	Resp:	1753378
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.7	26.5
125	24.7	8.1	12.1





#89
Benzo(k)fluoranthene
Concen: 3.292 ng m
RT: 23.577 min Scan# 3509
Delta R.T. -0.006 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59

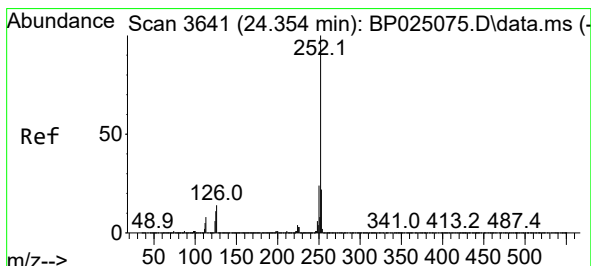
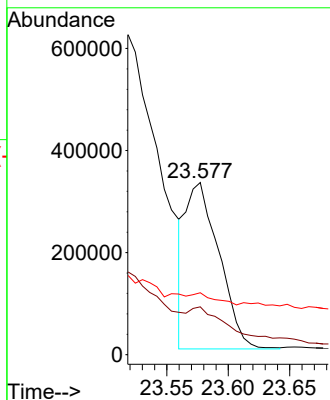
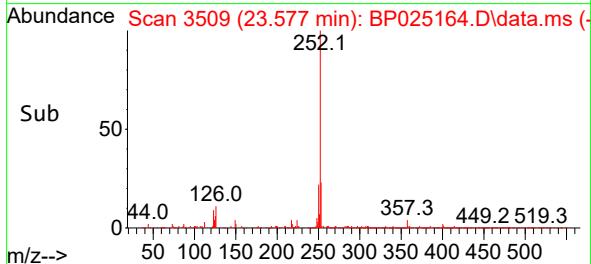
Instrument :
BNA_P
ClientSampleId :
END-OF-TRENCH



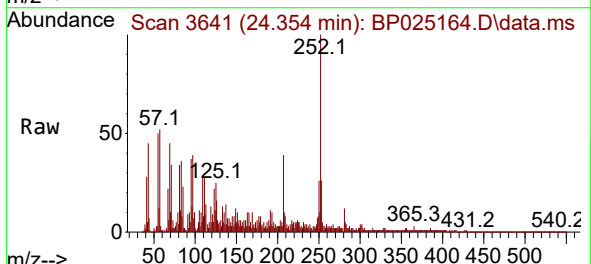
Tgt Ion:252 Resp: 621169
Ion Ratio Lower Upper
252 100
253 27.7 17.7 26.5
125 35.9 8.2 12.2

Manual Integrations
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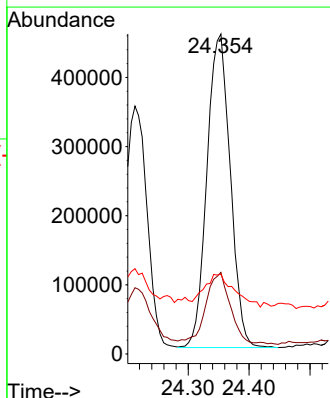
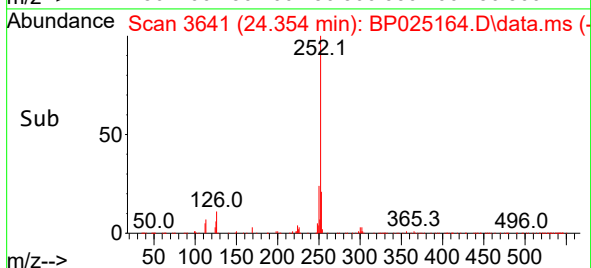
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

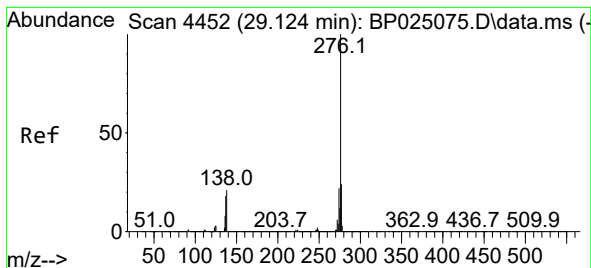


#90
Benzo(a)pyrene
Concen: 7.487 ng
RT: 24.354 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BP025164.D
Acq: 16 Jul 2025 18:59



Tgt Ion:252 Resp: 1208350
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 24.9 9.0 13.4





#92

Benzo(g,h,i)perylene

Concen: 4.561 ng

RT: 29.130 min Scan# 44

Delta R.T. 0.006 min

Lab File: BP025164.D

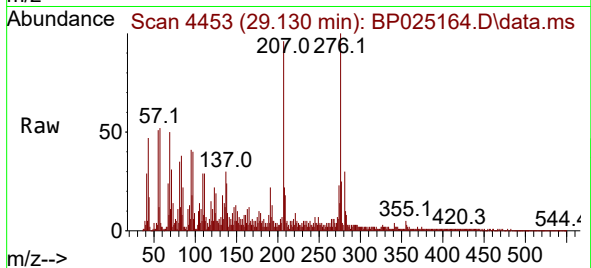
Acq: 16 Jul 2025 18:59

Instrument :

BNA_P

ClientSampleId :

END-OF-TRENCH



Tgt Ion: 276 Resp: 808384

Ion Ratio Lower Upper

276 100

277 25.5 19.3 28.9

138 24.3 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025

