

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025163.D
 Acq On : 16 Jul 2025 18:17
 Operator : CG/JU
 Sample : Q2600-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TRENCH

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 01:09:30 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.437	152	670552	20.000	ng	0.00
21) Naphthalene-d8	10.190	136	2634044	20.000	ng	# 0.00
39) Acenaphthene-d10	14.095	164	1646659	20.000	ng	0.00
64) Phenanthrene-d10	16.931	188	3024937	20.000	ng	0.02
76) Chrysene-d12	21.366	240	2696270	20.000	ng	# 0.02
86) Perylene-d12	24.513	264	3370649	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	2802959	74.065	ng	0.00
7) Phenol-d6	6.643	99	3546604	71.813	ng	0.01
23) Nitrobenzene-d5	8.566	82	2067695	52.206	ng	0.00
42) 2,4,6-Tribromophenol	15.631	330	1558997	80.144	ng	0.01
45) 2-Fluorobiphenyl	12.696	172	5415914	50.953	ng	0.00
79) Terphenyl-d14	19.689	244	6435776	52.459	ng	0.02
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.084	142	561073	6.012	ng	# 99
71) Phenanthrene	16.972	178	1644111	10.172	ng	97
72) Anthracene	17.060	178	494260	3.187	ng	# 91
75) Fluoranthene	19.078	202	1728269	9.147	ng	96
78) Pyrene	19.454	202	1415138	8.474	ng	# 95
80) Butylbenzylphthalate	20.436	149	275808	7.640	ng	# 76
81) Benzo(a)anthracene	21.348	228	763331	4.672	ng	# 83
83) Chrysene	21.419	228	657828	4.183	ng	# 84
84) Bis(2-ethylhexyl)phtha...	21.330	149	244897	2.794	ng	# 72
87) Indeno(1,2,3-cd)pyrene	28.048	276	446230	2.078	ng	# 92
88) Benzo(b)fluoranthene	23.530	252	1026219	5.231	ng	# 44
90) Benzo(a)pyrene	24.354	252	673324	4.032	ng	# 59
92) Benzo(g,h,i)perylene	29.142	276	416973m	2.274	ng	

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

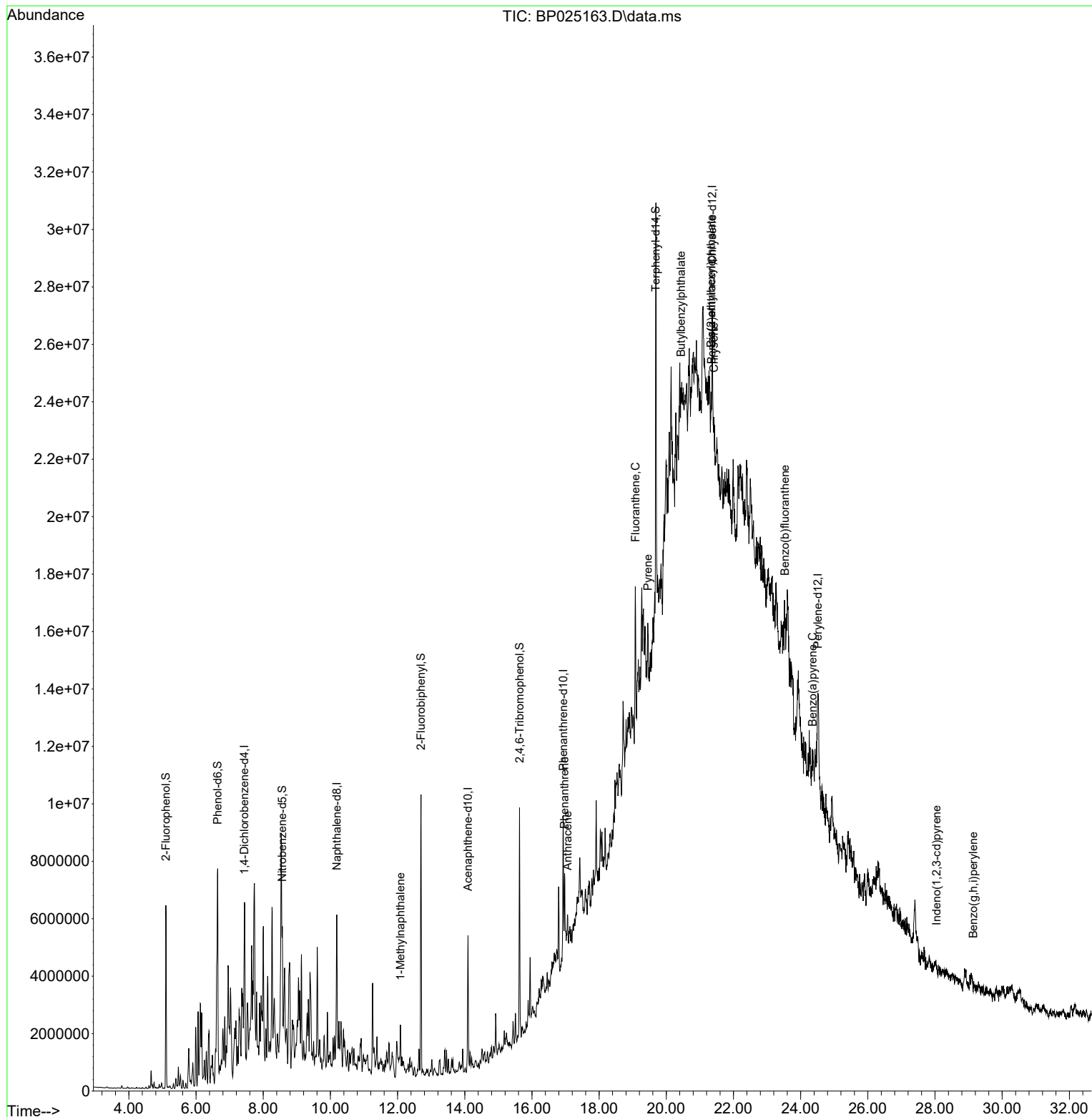
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
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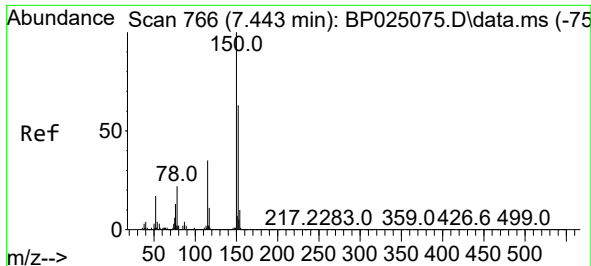
Instrument :
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Quant Time: Jul 17 01:09:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.437 min Scan# 70
Delta R.T. -0.006 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

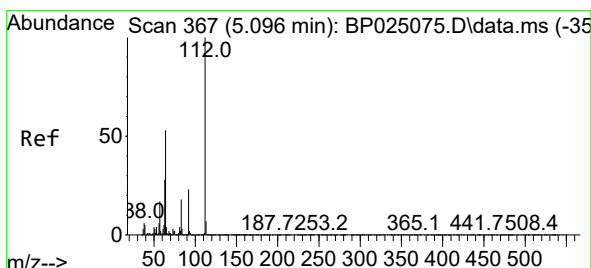
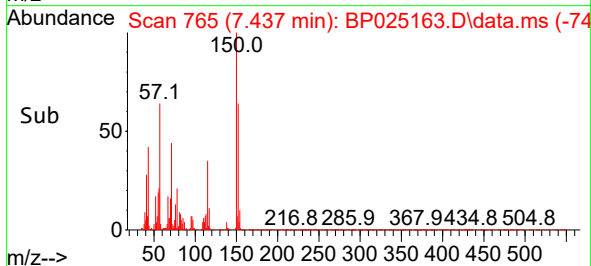
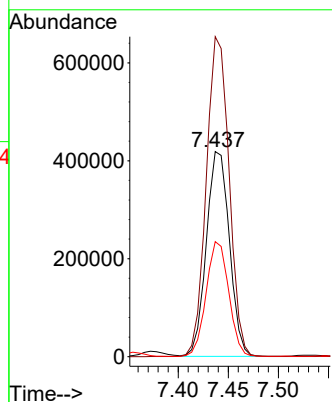
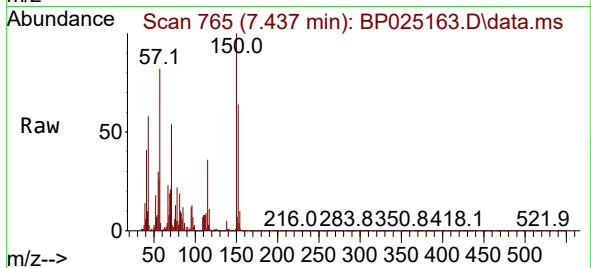
TRENCH

Tgt Ion:152 Resp: 670552
Ion Ratio Lower Upper
152 100
150 156.0 126.1 189.1
115 56.1 44.3 66.5

Manual Integrations

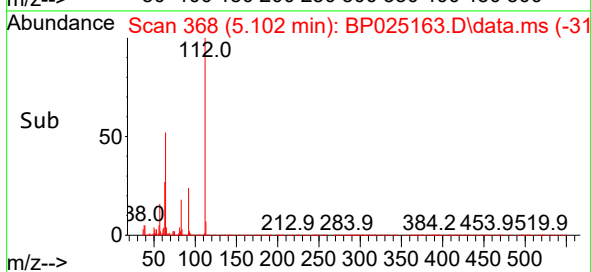
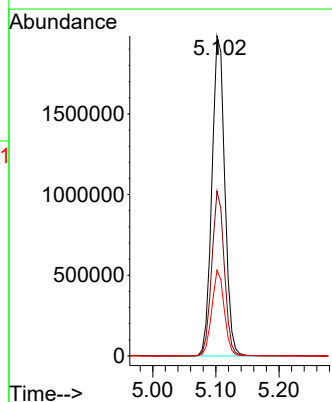
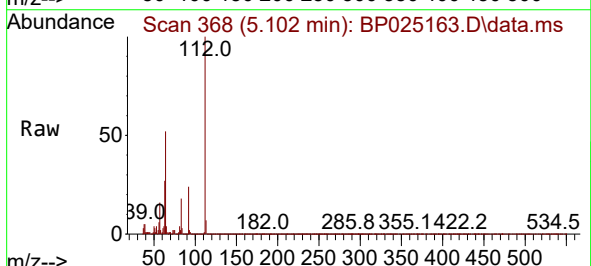
APPROVED

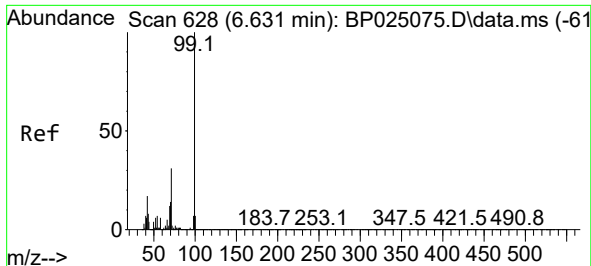
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Supervised By :Jagrut Upadhyay 07/17/2025



#5
2-Fluorophenol
Concen: 74.065 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.006 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

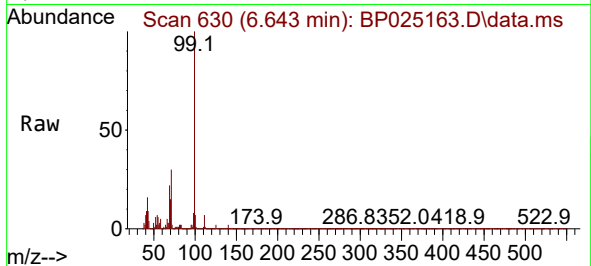
Tgt Ion:112 Resp: 2802959
Ion Ratio Lower Upper
112 100
64 51.5 42.0 63.0
63 26.8 22.2 33.2





#7
Phenol-d6
Concen: 71.813 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

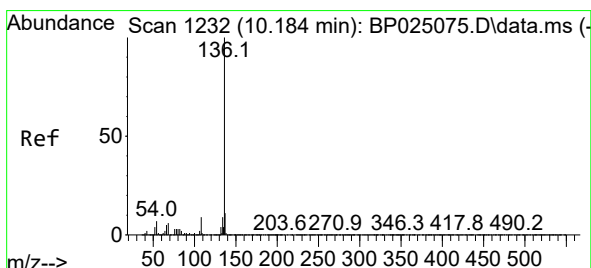
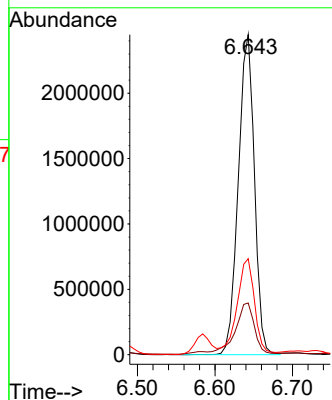
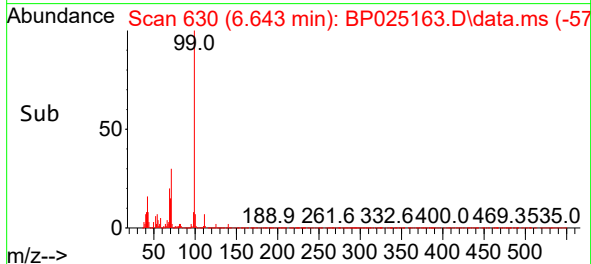
Instrument :
BNA_P
ClientSampleId :
TRENCH



Tgt Ion: 99 Resp: 3546604
Ion Ratio Lower Upper
99 100
42 16.2 13.6 20.4
71 30.0 24.4 36.6

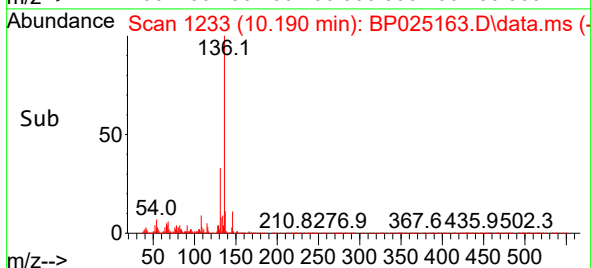
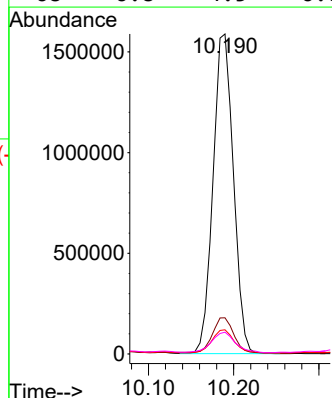
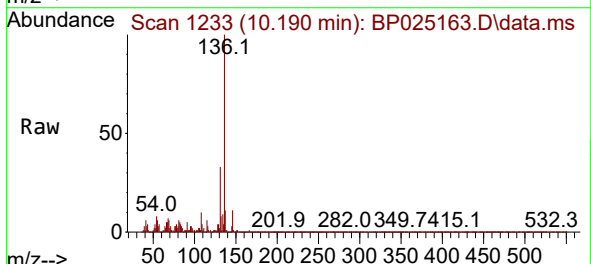
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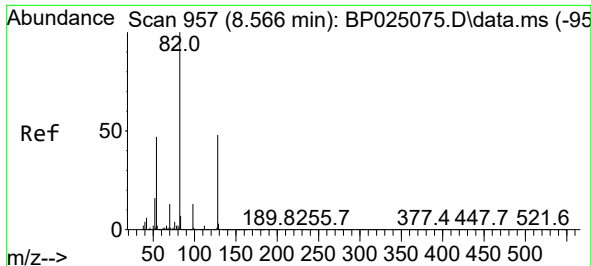
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.190 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

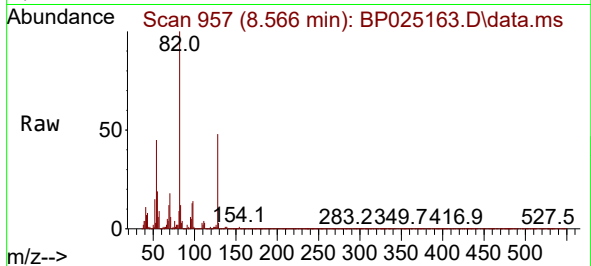
Tgt Ion:136 Resp: 2634044
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 7.5 5.4 8.2
68 6.8 4.5 6.7#





#23
Nitrobenzene-d5
Concen: 52.206 ng
RT: 8.566 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

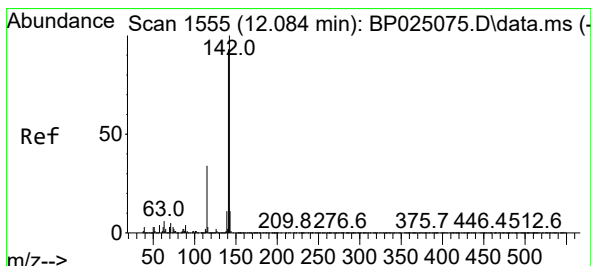
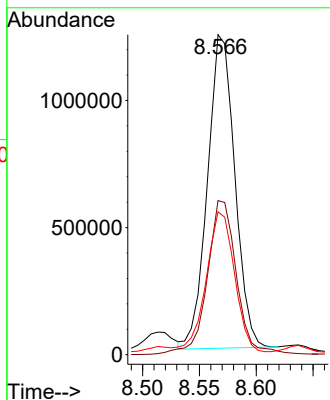
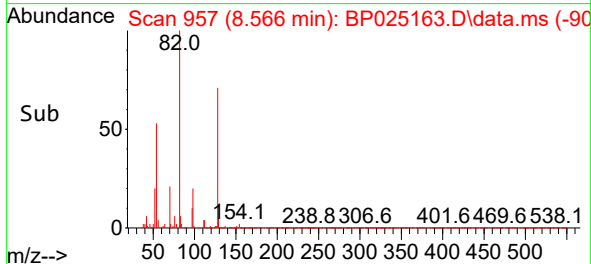
Instrument :
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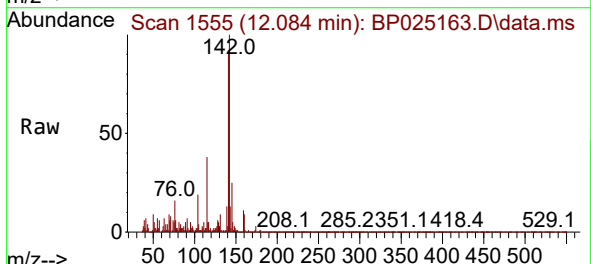
Tgt Ion: 82 Resp: 206769
Ion Ratio Lower Upper
82 100
128 48.2 38.4 57.6
54 44.7 37.8 56.6

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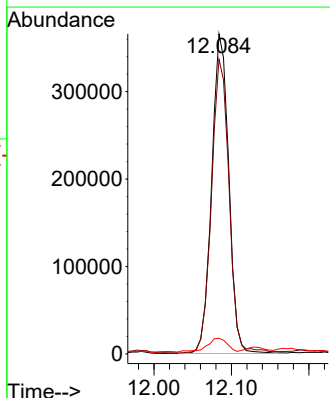
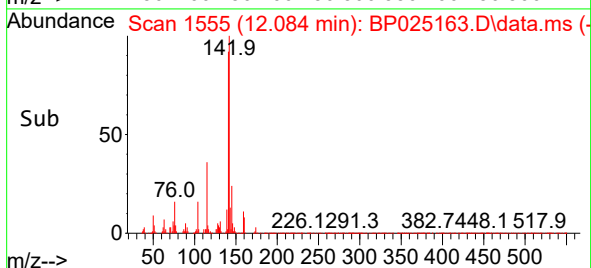
Reviewed By :Rahul Chavli 07/17/2025
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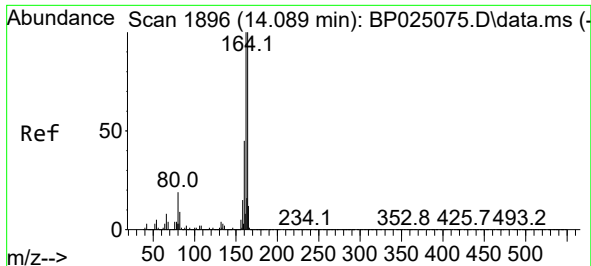


#38
1-Methylnaphthalene
Concen: 6.012 ng
RT: 12.084 min Scan# 1555
Delta R.T. 0.000 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17



Tgt Ion:142 Resp: 561073
Ion Ratio Lower Upper
142 100
141 92.1 74.1 111.1
116 4.9 2.7 4.1#





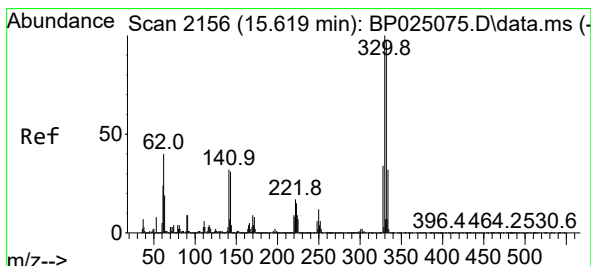
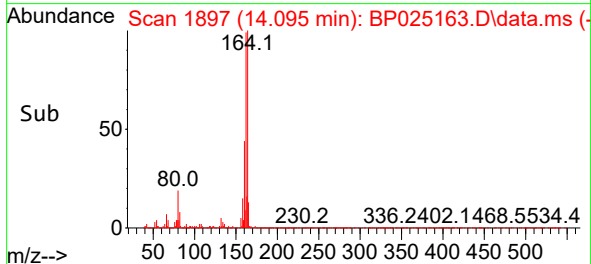
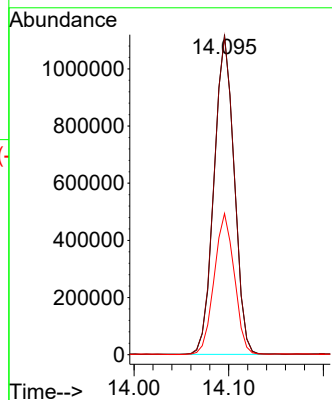
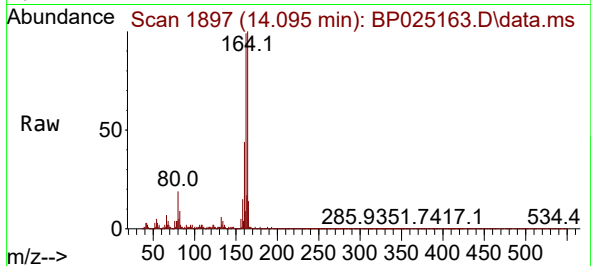
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.095 min Scan# 1896
Delta R.T. 0.006 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

Instrument :
BNA_P
ClientSampleId :
TRENCH

Tgt Ion:164 Resp: 1646659
Ion Ratio Lower Upper
164 100
162 99.4 80.3 120.5
160 44.1 35.9 53.9

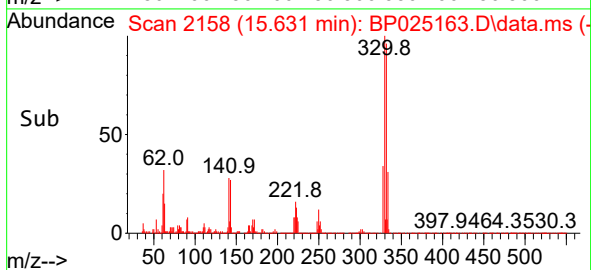
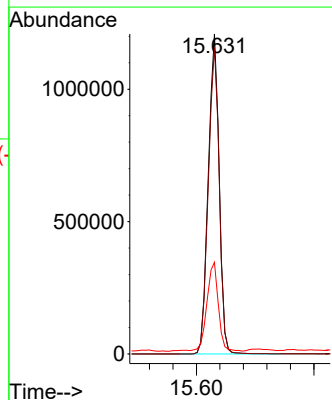
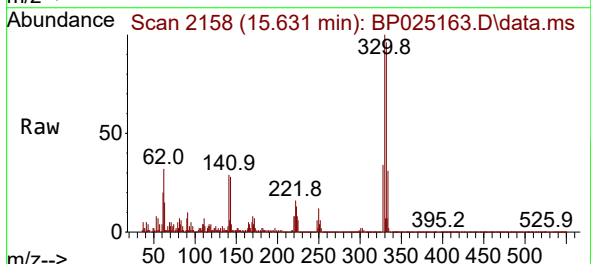
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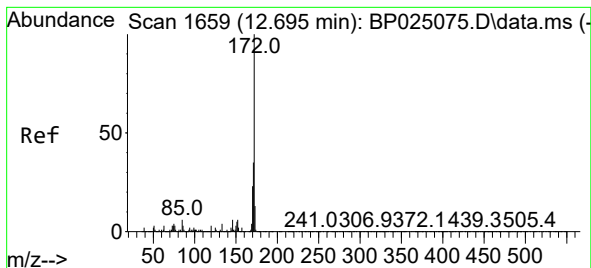
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#42
2,4,6-Tribromophenol
Concen: 80.144 ng
RT: 15.631 min Scan# 2158
Delta R.T. 0.012 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

Tgt Ion:330 Resp: 1558997
Ion Ratio Lower Upper
330 100
332 96.3 77.7 116.5
141 29.4 26.0 39.0





#45

2-Fluorobiphenyl

Concen: 50.953 ng

RT: 12.696 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH

Tgt Ion:172 Resp: 5415914

Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.2

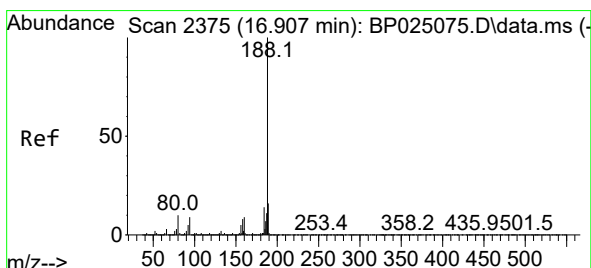
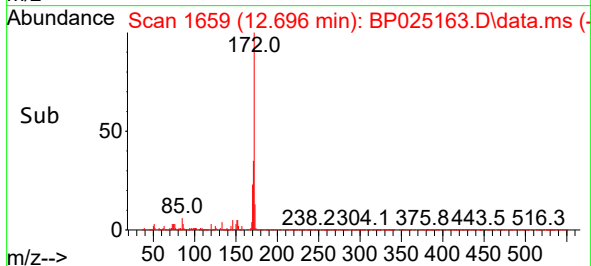
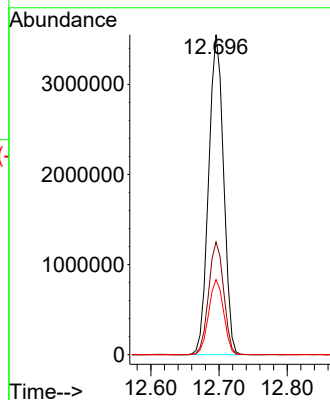
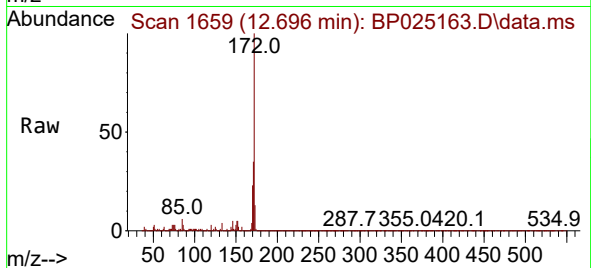
170 23.4 18.7 28.1

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.931 min Scan# 2379

Delta R.T. 0.024 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

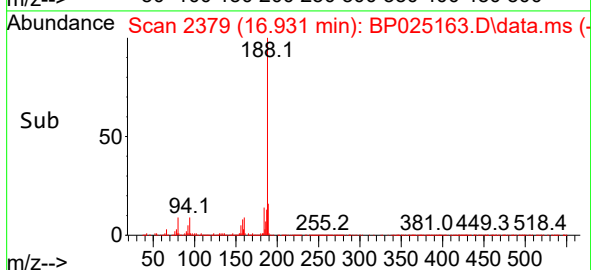
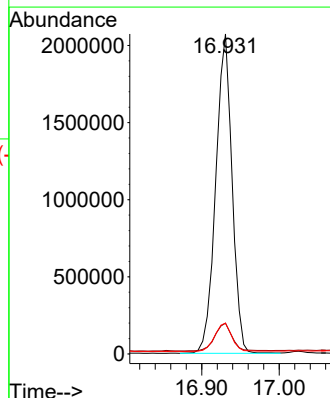
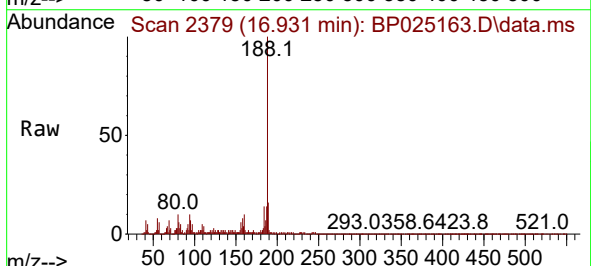
Tgt Ion:188 Resp: 3024937

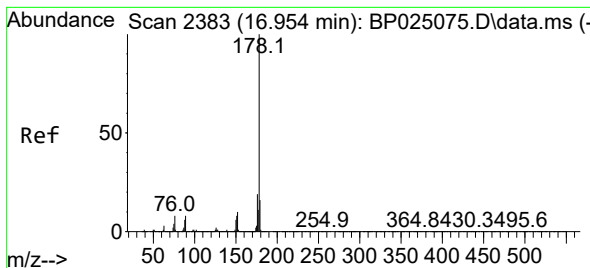
Ion Ratio Lower Upper

188 100

94 9.6 7.3 10.9

80 9.7 7.8 11.6





#71

Phenanthrene

Concen: 10.172 ng

RT: 16.972 min Scan# 2401

Delta R.T. 0.018 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH

Tgt Ion:178 Resp: 164411

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

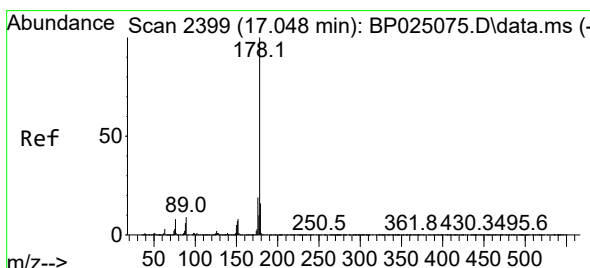
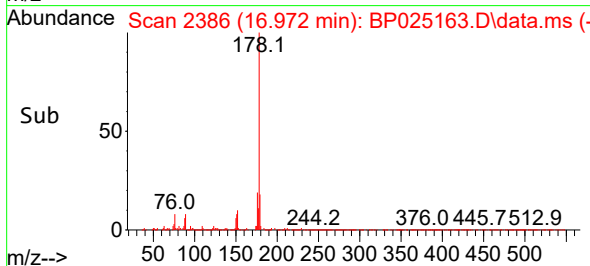
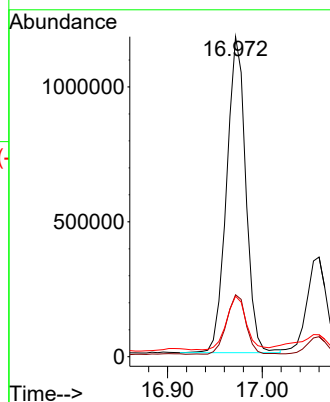
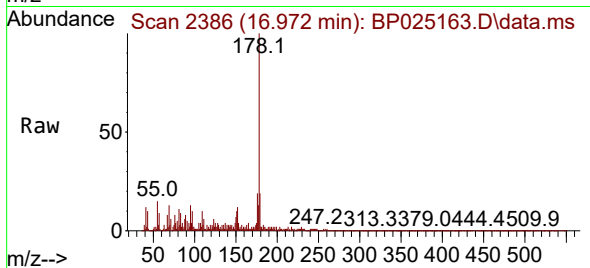
179 18.9 12.6 19.0

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#72

Anthracene

Concen: 3.187 ng

RT: 17.060 min Scan# 2401

Delta R.T. 0.012 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

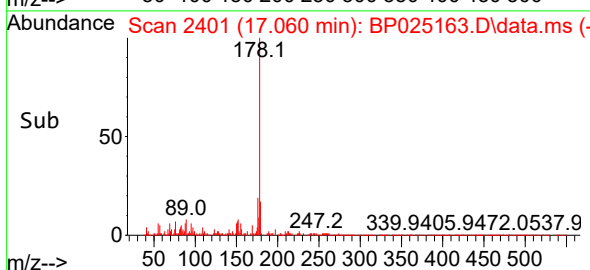
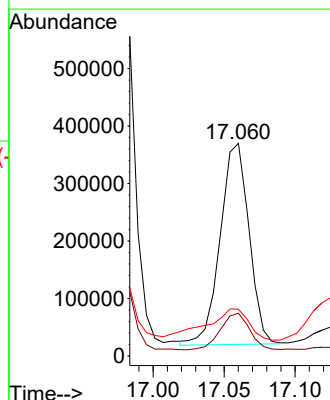
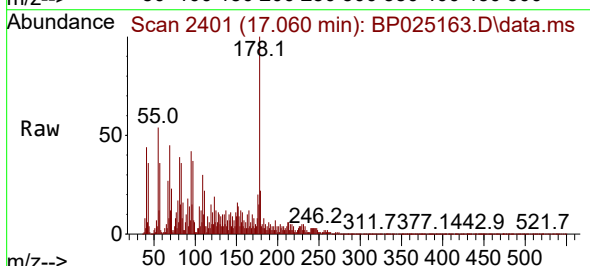
Tgt Ion:178 Resp: 494260

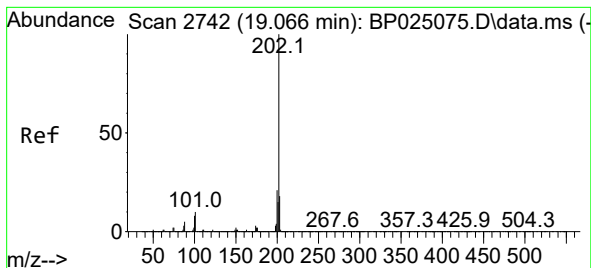
Ion Ratio Lower Upper

178 100

176 20.1 15.0 22.6

179 22.0 12.5 18.7#





#75

Fluoranthene

Concen: 9.147 ng

RT: 19.078 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH

Tgt Ion:202 Resp: 1728269

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.4

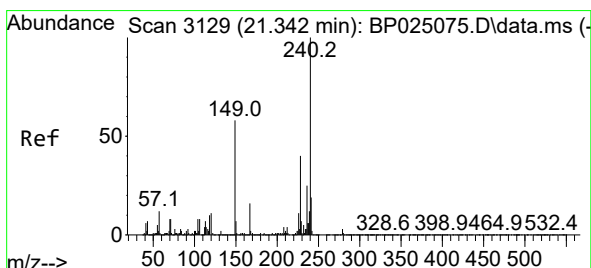
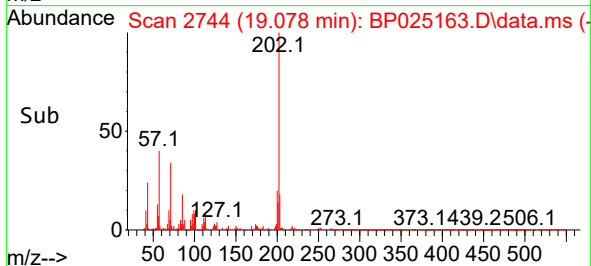
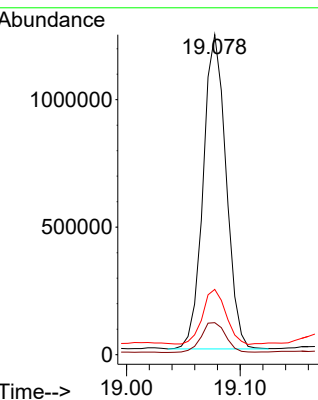
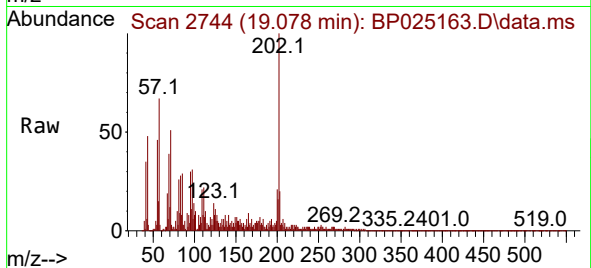
203 20.4 0.0 37.6

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.366 min Scan# 3133

Delta R.T. 0.024 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

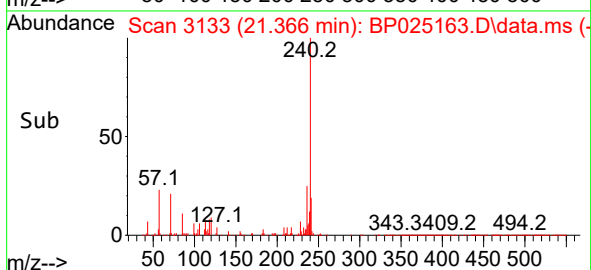
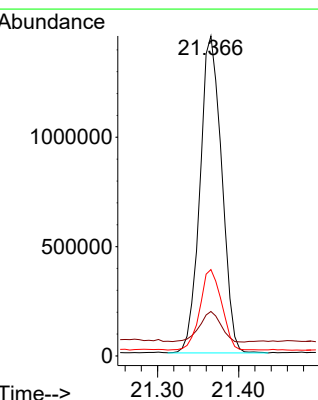
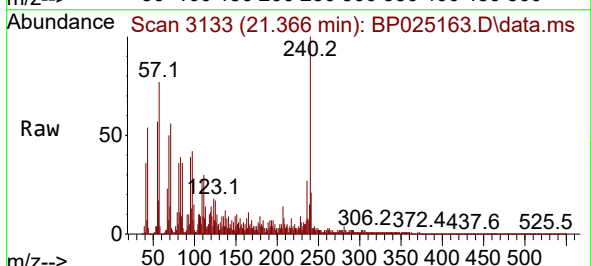
Tgt Ion:240 Resp: 2696270

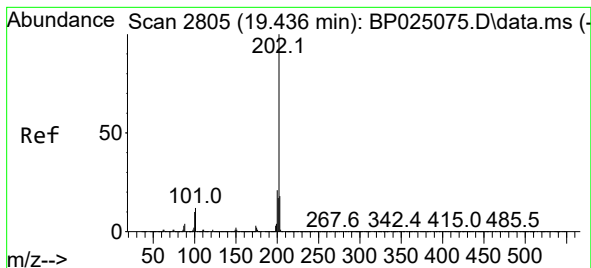
Ion Ratio Lower Upper

240 100

120 13.9 9.0 13.4#

236 27.0 20.3 30.5





#78

Pyrene

Concen: 8.474 ng

RT: 19.454 min Scan# 2808

Delta R.T. 0.018 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH

Tgt Ion:202 Resp: 141513

Ion Ratio Lower Upper

202 100

200 21.5 17.1 25.7

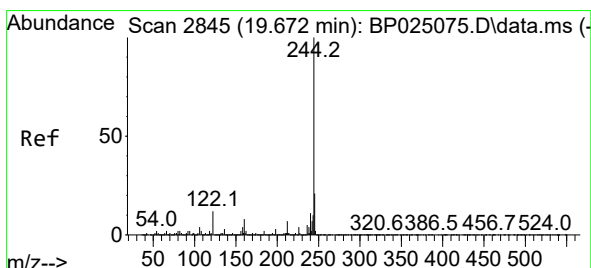
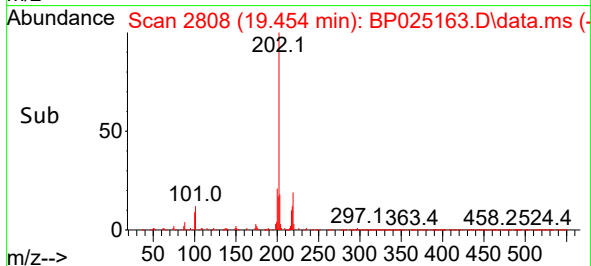
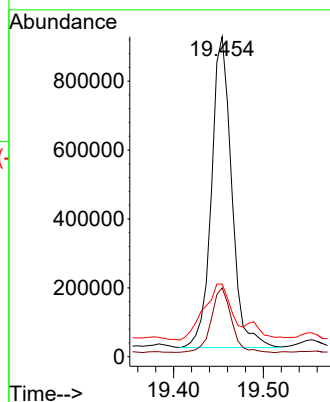
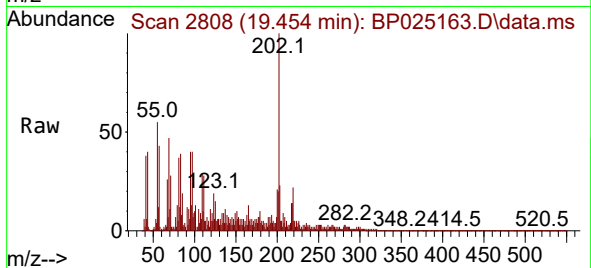
203 22.7 14.1 21.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#79

Terphenyl-d14

Concen: 52.459 ng

RT: 19.689 min Scan# 2848

Delta R.T. 0.018 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

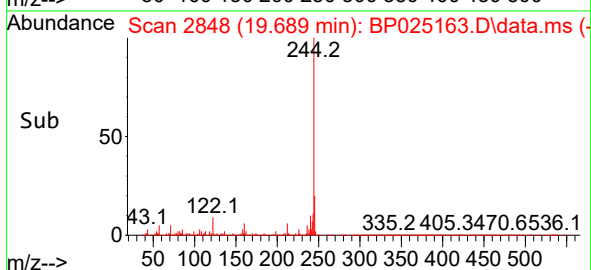
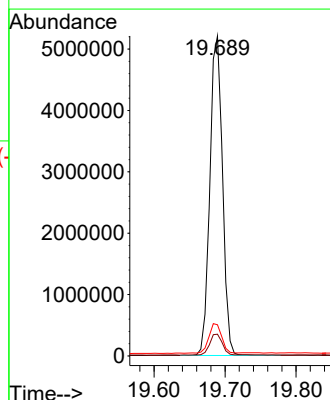
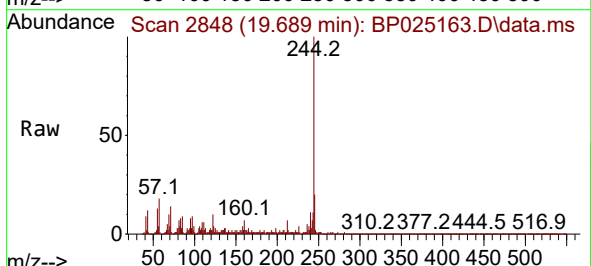
Tgt Ion:244 Resp: 6435776

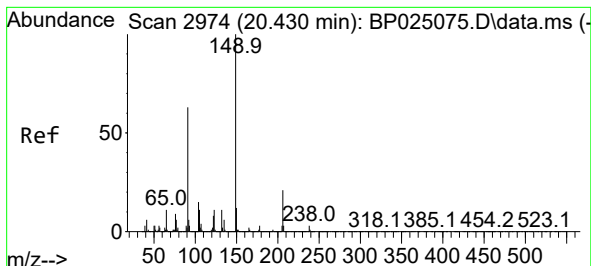
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 9.8 9.4 14.2





#80

Butylbenzylphthalate

Concen: 7.640 ng

RT: 20.436 min Scan# 2974

Delta R.T. 0.006 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH

Tgt Ion:149 Resp: 275808

Ion Ratio Lower Upper

149 100

91 85.6 50.6 76.0

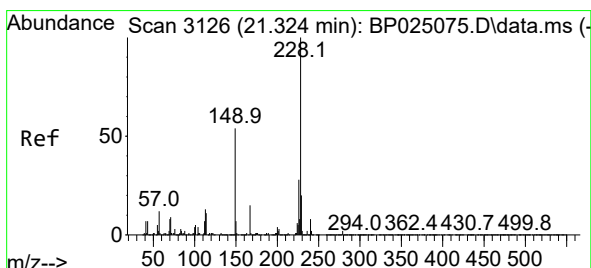
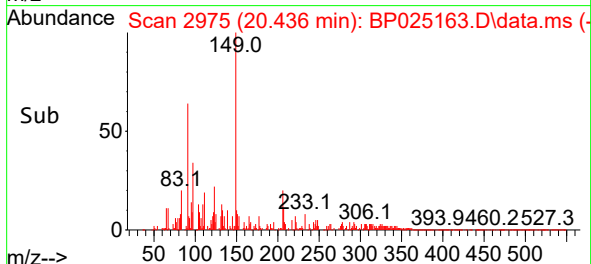
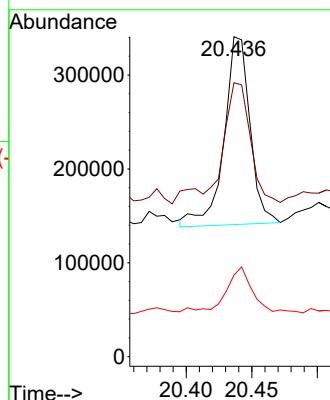
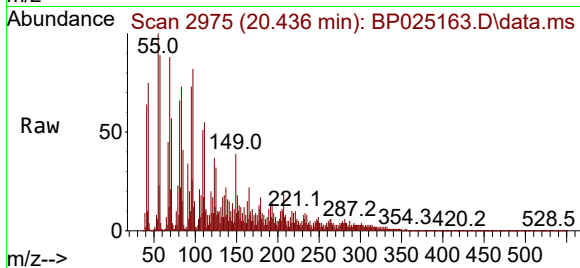
206 25.5 17.2 25.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#81

Benzo(a)anthracene

Concen: 4.672 ng

RT: 21.348 min Scan# 3130

Delta R.T. 0.024 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

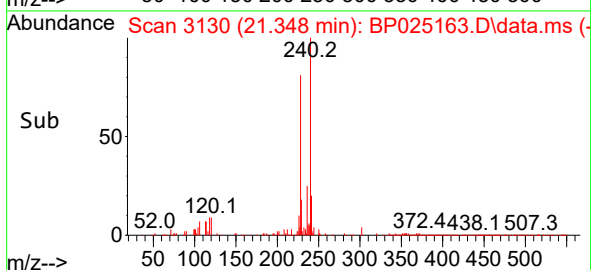
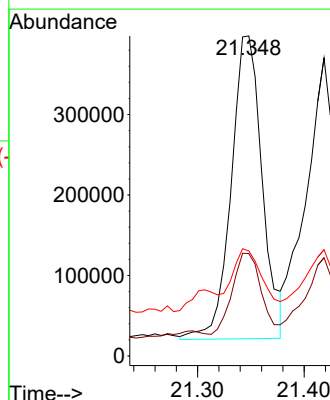
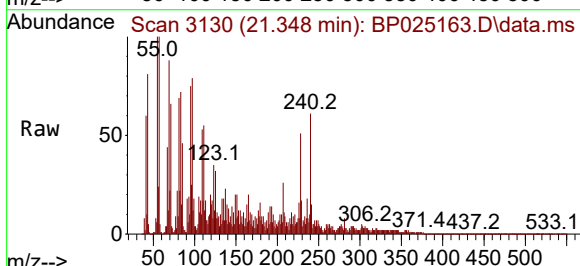
Tgt Ion:228 Resp: 763331

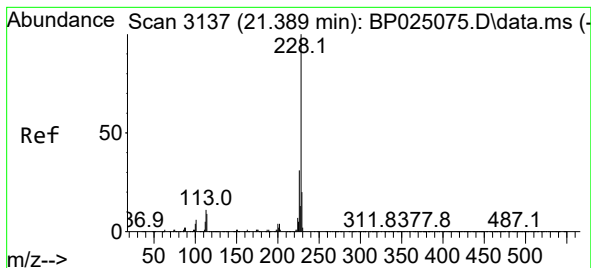
Ion Ratio Lower Upper

228 100

226 32.0 22.1 33.1

229 32.8 16.0 24.0





#83

Chrysene

Concen: 4.183 ng

RT: 21.419 min Scan# 3142

Delta R.T. 0.030 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH

Tgt Ion:228 Resp: 657828

Ion Ratio Lower Upper

228 100

226 33.0 24.4 36.6

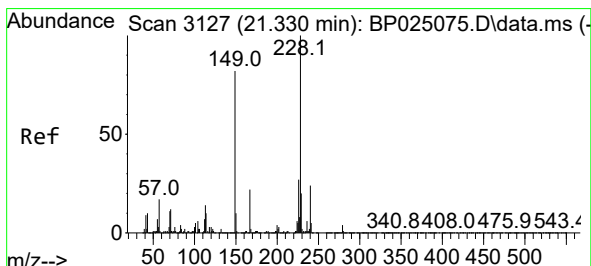
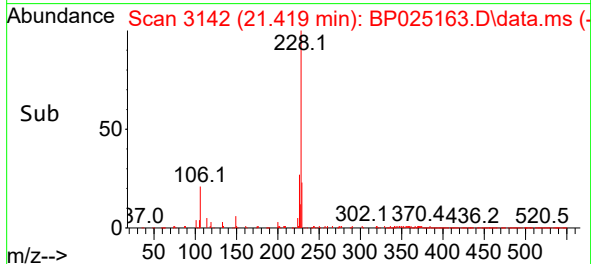
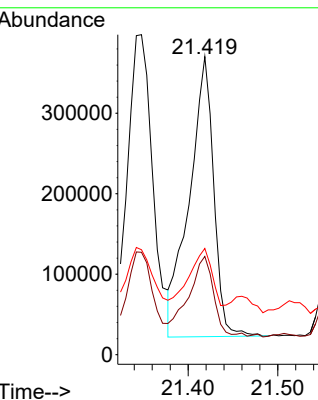
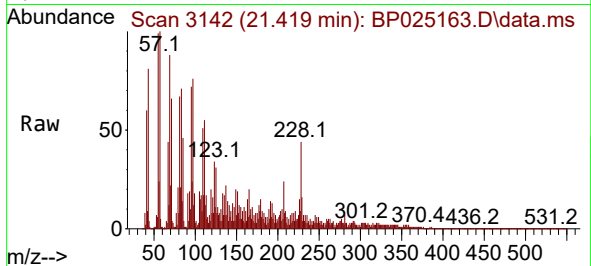
229 35.7 16.0 24.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.794 ng

RT: 21.330 min Scan# 3127

Delta R.T. 0.000 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

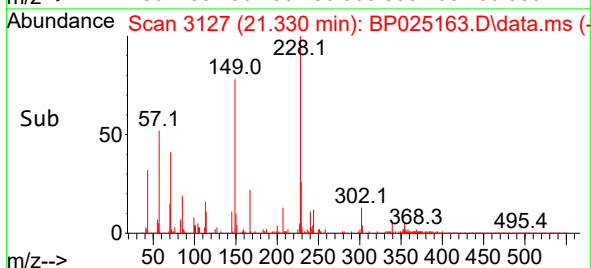
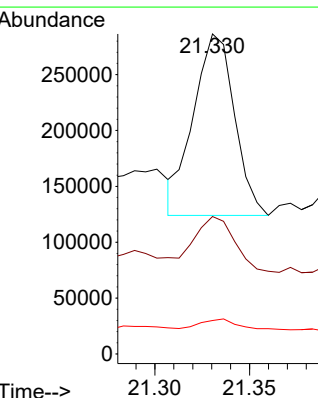
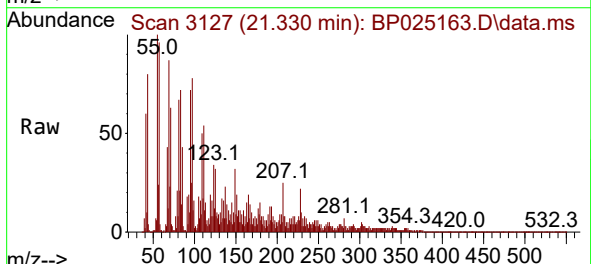
Tgt Ion:149 Resp: 244897

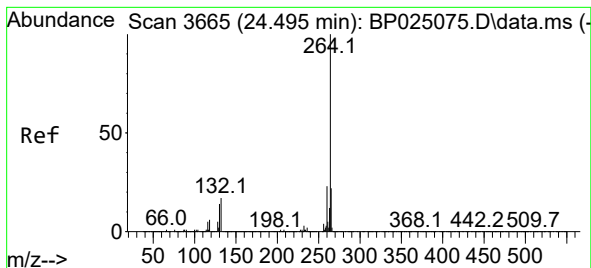
Ion Ratio Lower Upper

149 100

167 43.0 21.9 32.9#

279 10.4 3.5 5.3#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.513 min Scan# 30

Delta R.T. 0.018 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH

Tgt Ion:264 Resp: 3370649

Ion Ratio Lower Upper

264 100

260 24.0 18.6 28.0

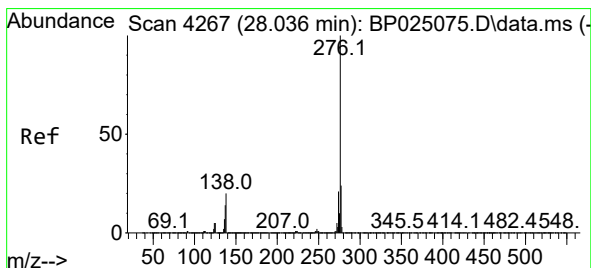
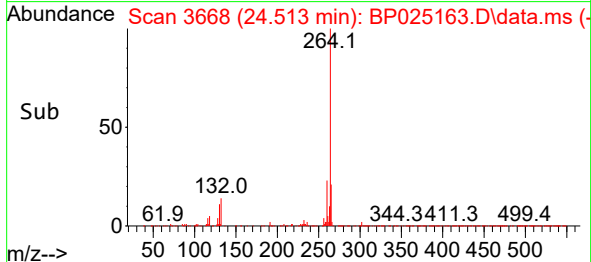
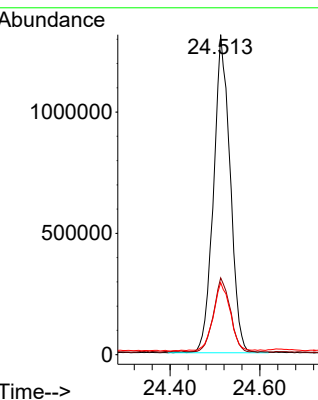
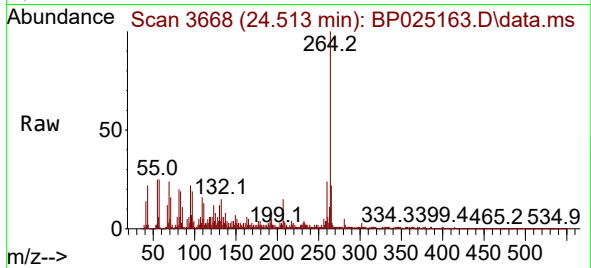
265 22.5 17.7 26.5

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.078 ng

RT: 28.048 min Scan# 4269

Delta R.T. 0.012 min

Lab File: BP025163.D

Acq: 16 Jul 2025 18:17

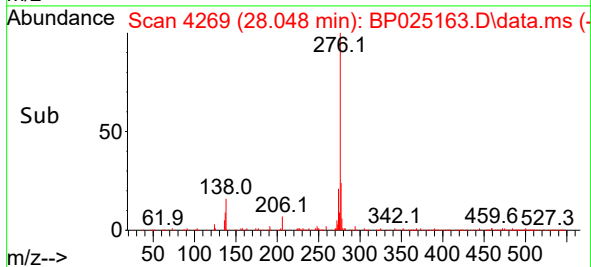
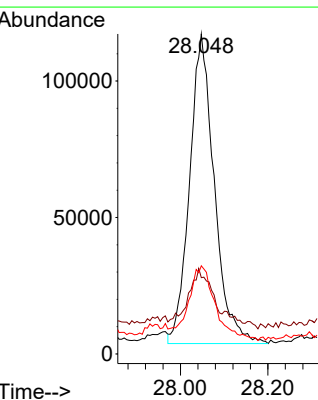
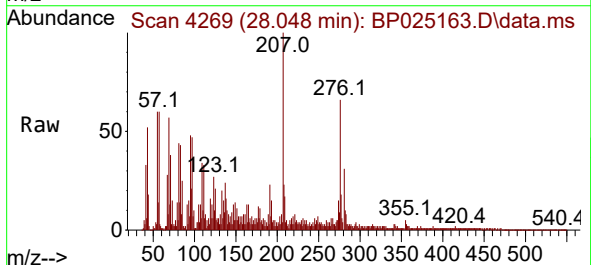
Tgt Ion:276 Resp: 446230

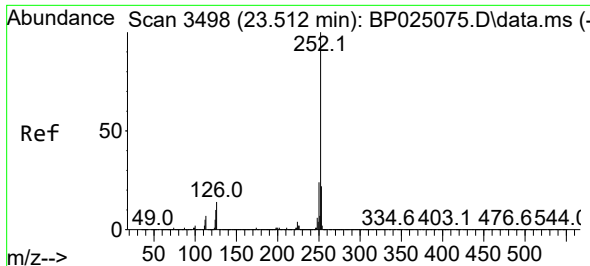
Ion Ratio Lower Upper

276 100

138 14.9 13.0 19.6

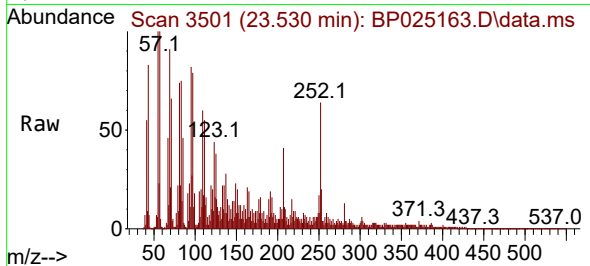
277 25.8 15.9 23.9#





#88
Benzo(b)fluoranthene
Concen: 5.231 ng
RT: 23.530 min Scan# 3498
Delta R.T. 0.018 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

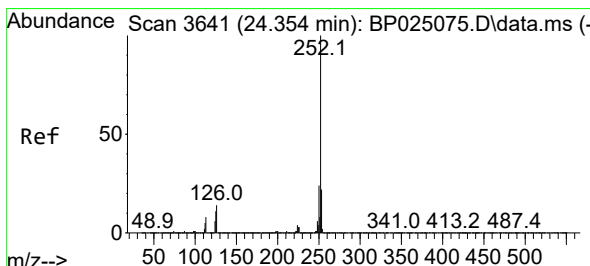
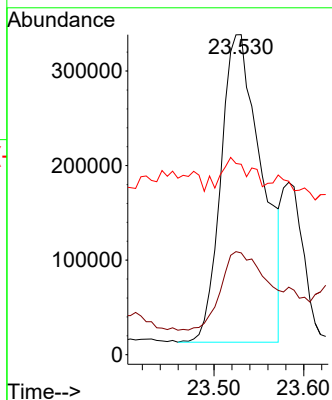
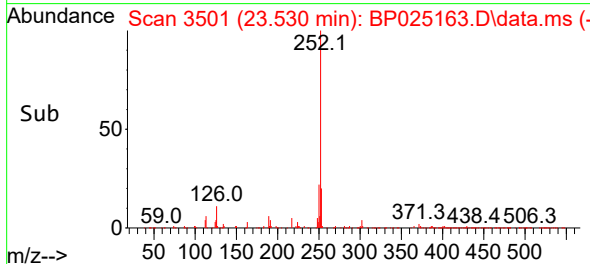
Instrument :
BNA_P
ClientSampleId :
TRENCH



Tgt Ion:252 Resp: 1026219
Ion Ratio Lower Upper
252 100
253 31.8 17.7 26.5
125 59.5 8.1 12.1

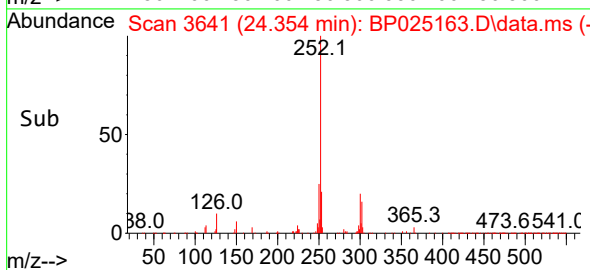
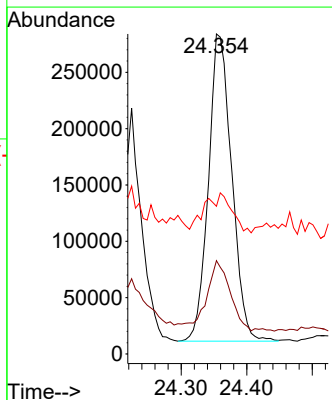
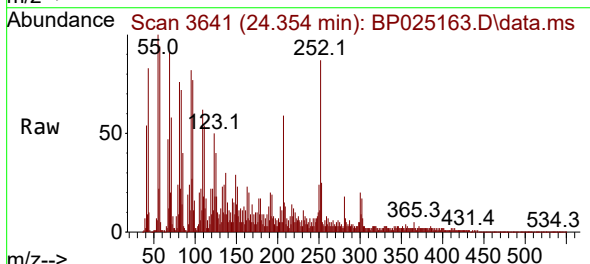
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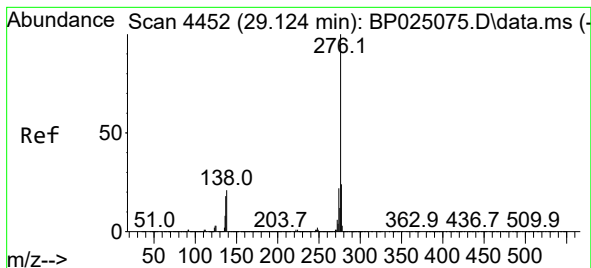
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#90
Benzo(a)pyrene
Concen: 4.032 ng
RT: 24.354 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BP025163.D
Acq: 16 Jul 2025 18:17

Tgt Ion:252 Resp: 673324
Ion Ratio Lower Upper
252 100
253 29.1 17.6 26.4#
125 46.1 9.0 13.4#





#92

Benzo(g,h,i)perylene

Concen: 2.274 ng m

RT: 29.142 min Scan# 44

Delta R.T. 0.018 min

Lab File: BP025163.D

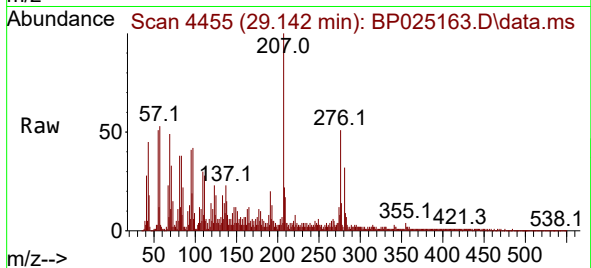
Acq: 16 Jul 2025 18:17

Instrument :

BNA_P

ClientSampleId :

TRENCH



Tgt Ion: 276 Resp: 41697

Ion Ratio Lower Upper

276 100

277 26.9 19.3 28.9

138 28.2 16.9 25.3

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025

