

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
 Data File : BP025169.D
 Acq On : 16 Jul 2025 22:26
 Operator : CG/JU
 Sample : Q2611-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-071525

Manual Integrations
 APPROVED

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

Quant Time: Jul 17 01:12:09 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	7.443	152	631198	20.000	ng	0.00
21) Naphthalene-d8	10.196	136	2449222	20.000	ng	0.01
39) Acenaphthene-d10	14.107	164	1514667	20.000	ng	0.02
64) Phenanthrene-d10	16.919	188	2885539	20.000	ng	0.01
76) Chrysene-d12	21.348	240	3050854	20.000	ng	0.00
86) Perylene-d12	24.501	264	3712083	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.108	112	225150	6.320	ng	0.01
7) Phenol-d6	6.643	99	287513	6.185	ng	0.01
23) Nitrobenzene-d5	8.578	82	167053	4.536	ng	0.01
42) 2,4,6-Tribromophenol	15.631	330	139523	7.798	ng	0.01
45) 2-Fluorobiphenyl	12.701	172	476490	4.873	ng	0.00
79) Terphenyl-d14	19.683	244	745028	5.367	ng	0.01
Target Compounds						Qvalue
58) Fluorene	15.178	166	254033	2.436	ng	98
71) Phenanthrene	16.966	178	3090208	20.042	ng	100
72) Anthracene	17.066	178	1229311	8.311	ng	100
75) Fluoranthene	19.066	202	5823176	32.310	ng	99
78) Pyrene	19.442	202	5235457	27.706	ng	98
81) Benzo(a)anthracene	21.330	228	3139456m	16.980	ng	
83) Chrysene	21.395	228	2750183m	15.457	ng	
87) Indeno(1,2,3-cd)pyrene	28.048	276	2004156	8.475	ng	# 94
88) Benzo(b)fluoranthene	23.518	252	3652813	16.906	ng	# 92
89) Benzo(k)fluoranthene	23.571	252	1474905m	6.861	ng	
90) Benzo(a)pyrene	24.354	252	2904788	15.796	ng	# 92
91) Dibenzo(a,h)anthracene	28.112	278	538418m	2.754	ng	
92) Benzo(g,h,i)perylene	29.147	276	1837836	9.101	ng	98

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

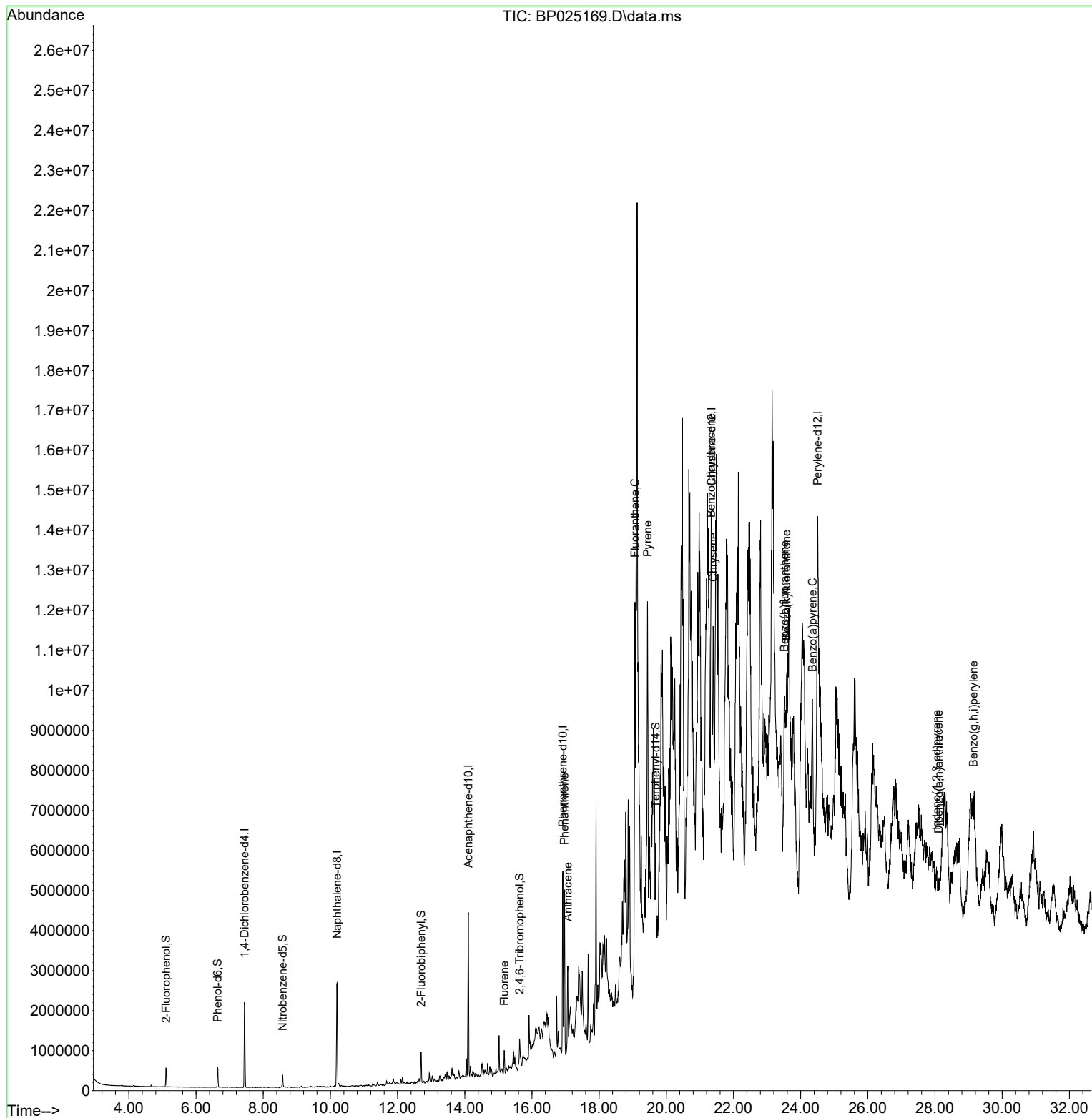
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071625\
Data File : BP025169.D
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ALS Vial : 16 Sample Multiplier: 1

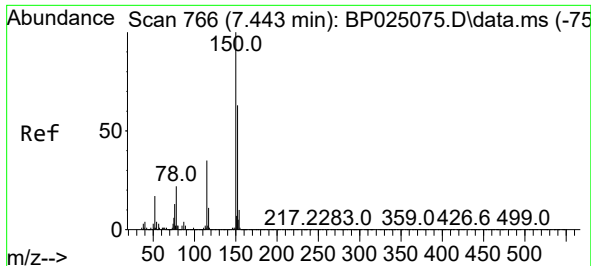
Instrument :
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EO-02-071525

Quant Time: Jul 17 01:12:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
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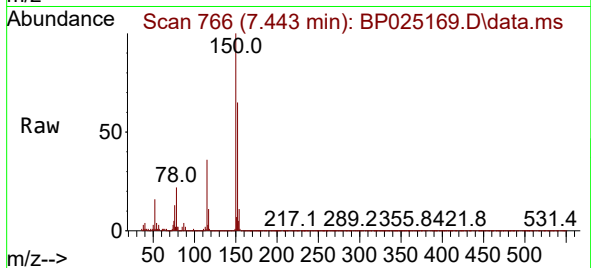
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.443 min Scan# 70
Delta R.T. -0.000 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

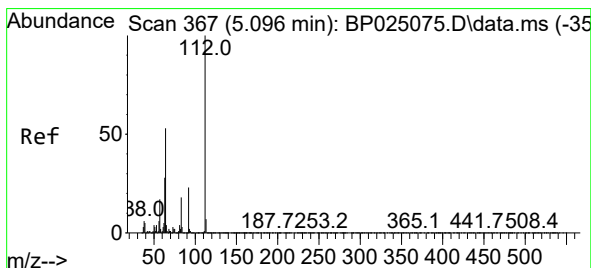
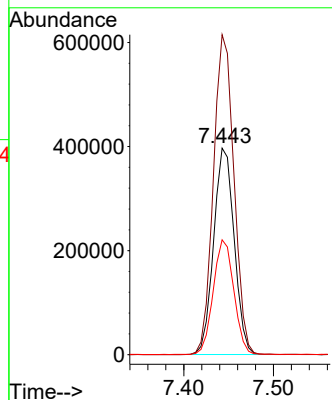
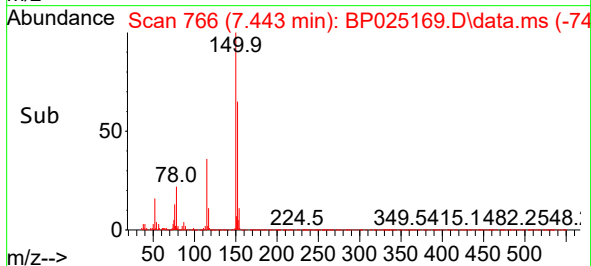
Instrument :
BNA_P
ClientSampleId :
EO-02-071525



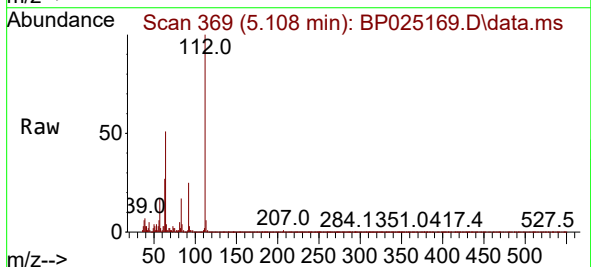
Tgt Ion:152 Resp: 631198
Ion Ratio Lower Upper
152 100
150 154.9 126.1 189.1
115 55.6 44.3 66.5

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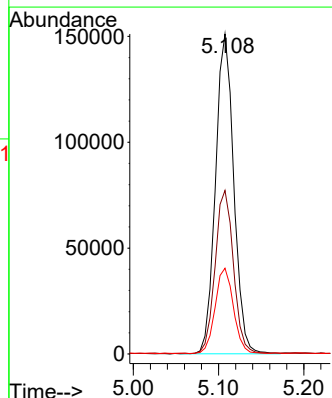
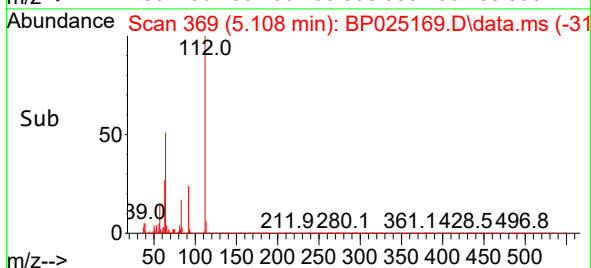
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

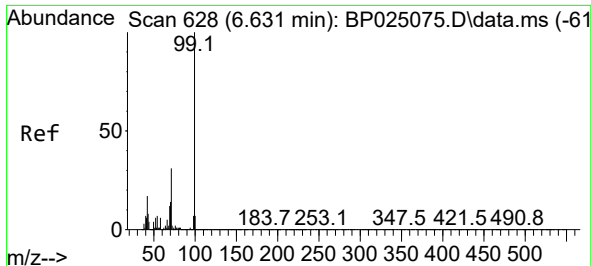


#5
2-Fluorophenol
Concen: 6.320 ng
RT: 5.108 min Scan# 369
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26



Tgt Ion:112 Resp: 225150
Ion Ratio Lower Upper
112 100
64 51.1 42.0 63.0
63 26.8 22.2 33.2





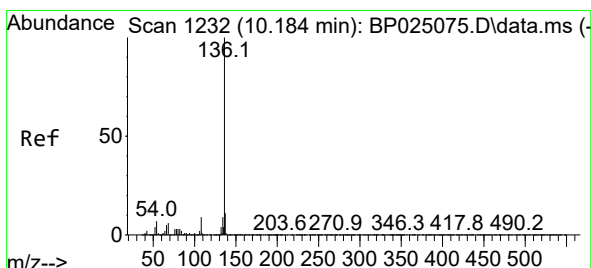
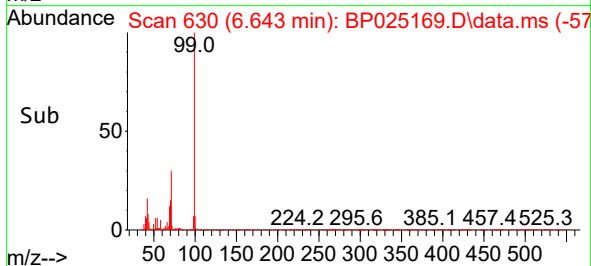
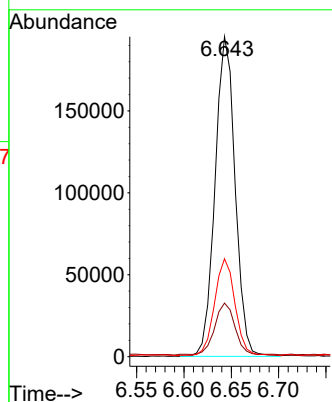
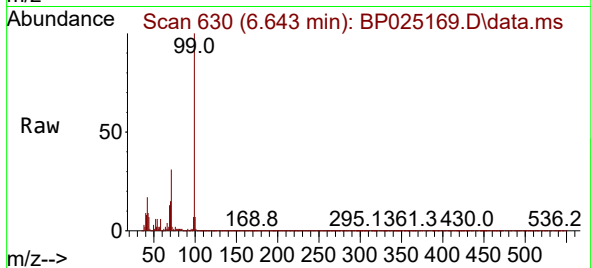
#7
Phenol-d6
Concen: 6.185 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Instrument :
BNA_P
ClientSampleId :
EO-02-071525

Tgt Ion: 99 Resp: 28751
Ion Ratio Lower Upper
99 100
42 16.7 13.6 20.4
71 30.6 24.4 36.6

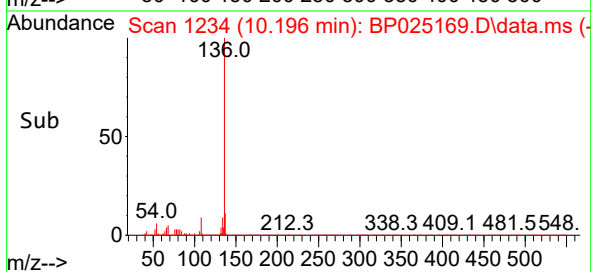
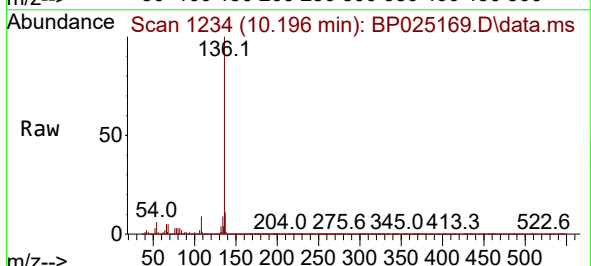
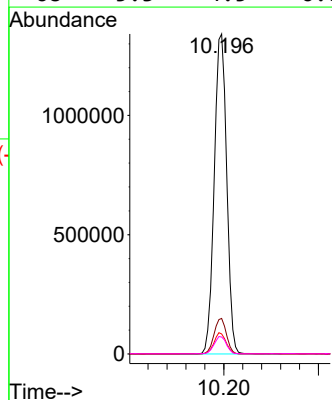
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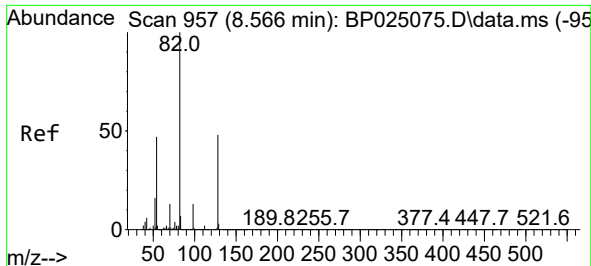
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.196 min Scan# 1234
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

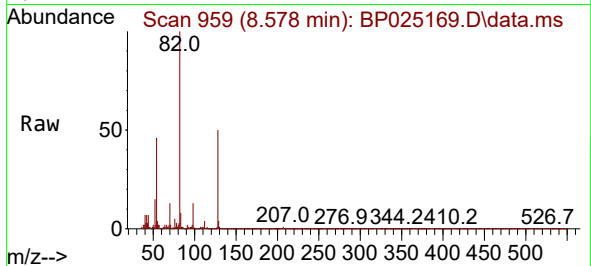
Tgt Ion:136 Resp: 2449222
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 6.3 5.4 8.2
68 5.3 4.5 6.7





#23
Nitrobenzene-d5
Concen: 4.536 ng
RT: 8.578 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

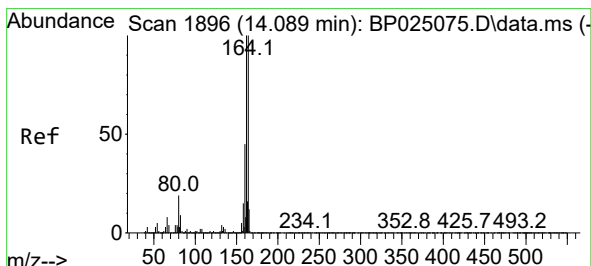
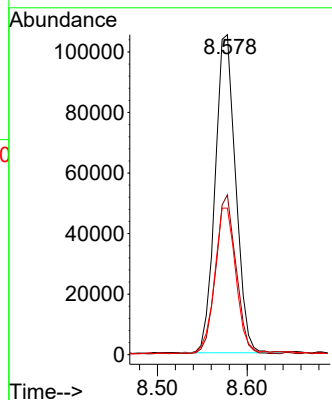
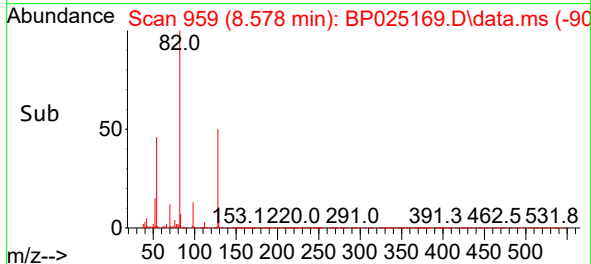
Instrument :
BNA_P
ClientSampleId :
EO-02-071525



Tgt Ion: 82 Resp: 16705
Ion Ratio Lower Upper
82 100
128 50.0 38.4 57.6
54 45.8 37.8 56.6

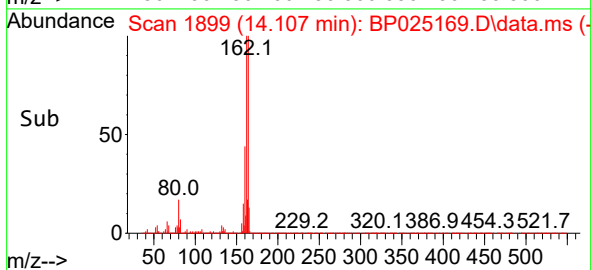
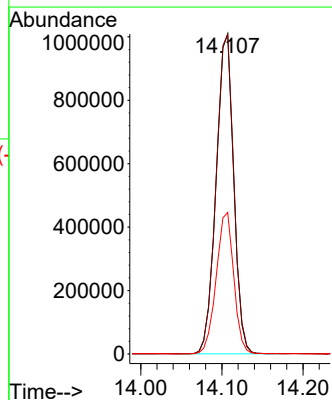
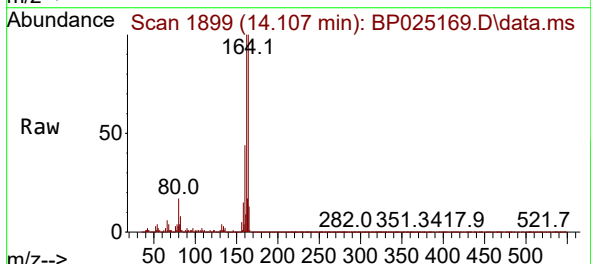
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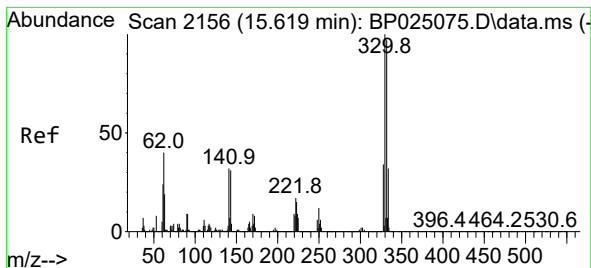
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.107 min Scan# 1899
Delta R.T. 0.018 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:164 Resp: 1514667
Ion Ratio Lower Upper
164 100
162 99.9 80.3 120.5
160 44.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 7.798 ng

RT: 15.631 min Scan# 2156

Delta R.T. 0.012 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

Tgt Ion:330 Resp: 13952

Ion Ratio Lower Upper

330 100

332 96.4 77.7 116.5

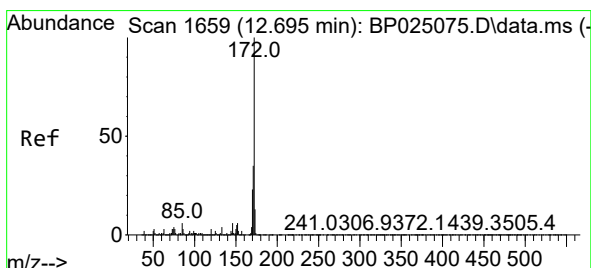
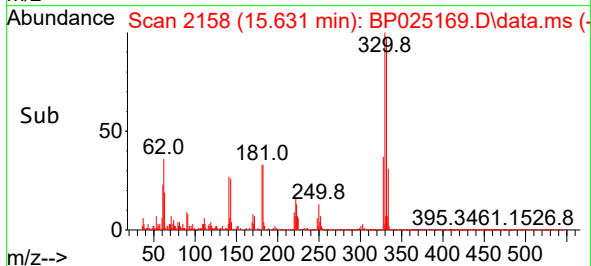
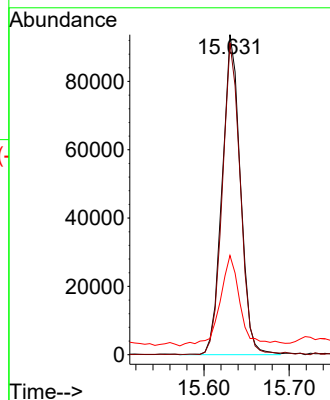
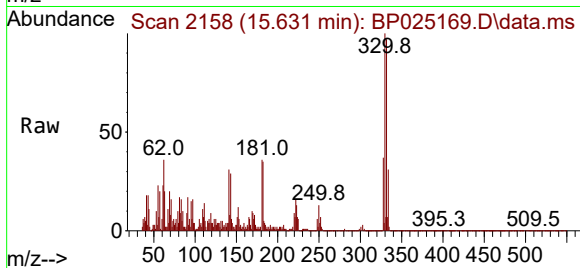
141 31.5 26.0 39.0

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#45

2-Fluorobiphenyl

Concen: 4.873 ng

RT: 12.701 min Scan# 1660

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

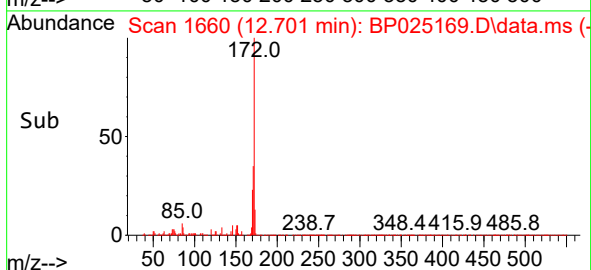
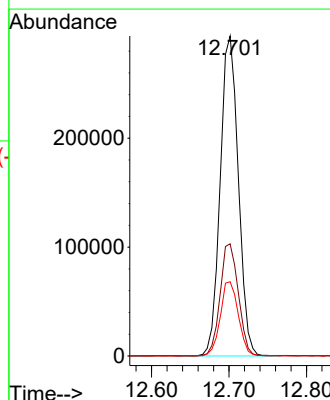
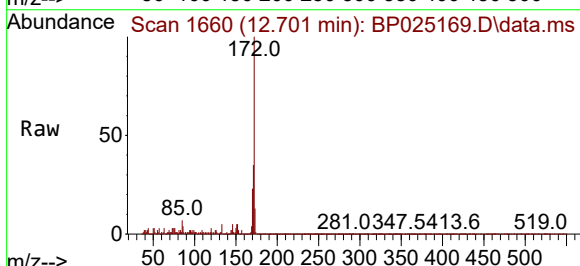
Tgt Ion:172 Resp: 476490

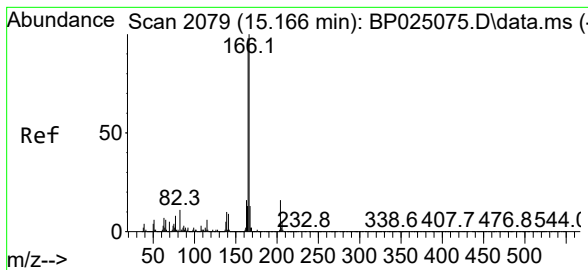
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.2 18.7 28.1





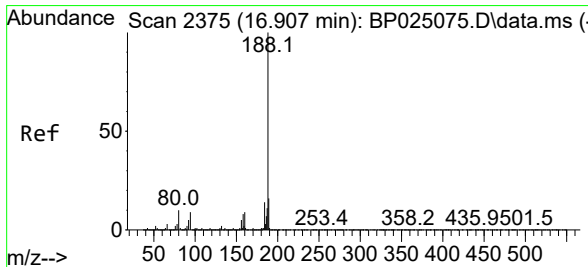
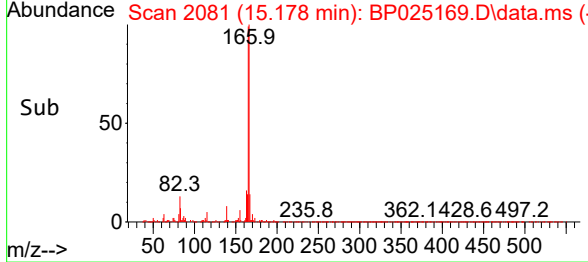
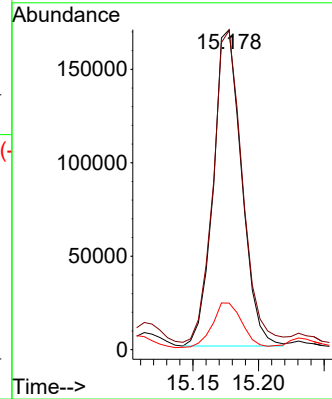
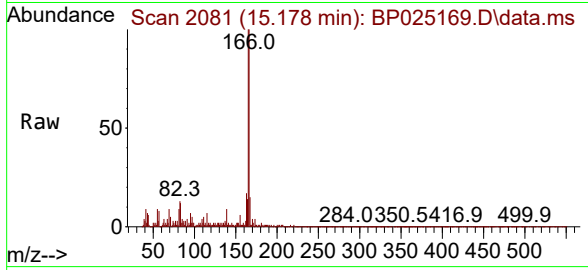
#58
Fluorene
Concen: 2.436 ng
RT: 15.178 min Scan# 2079
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Instrument :
BNA_P
ClientSampleId :
EO-02-071525

Tgt Ion:166 Resp: 25403
Ion Ratio Lower Upper
166 100
165 99.7 78.6 117.8
167 14.5 10.7 16.1

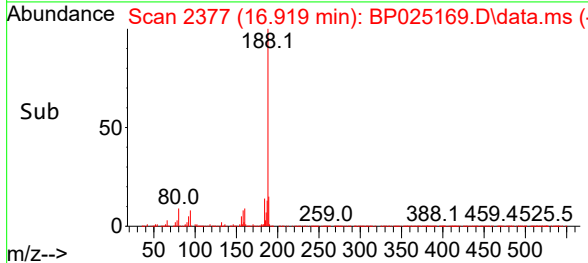
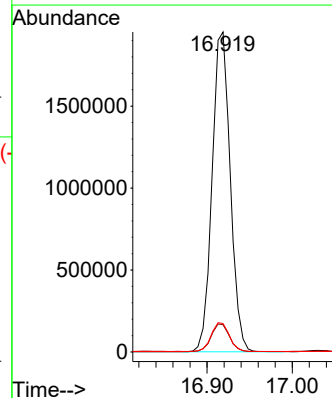
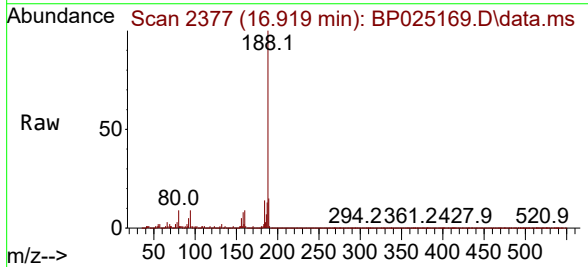
Manual Integrations
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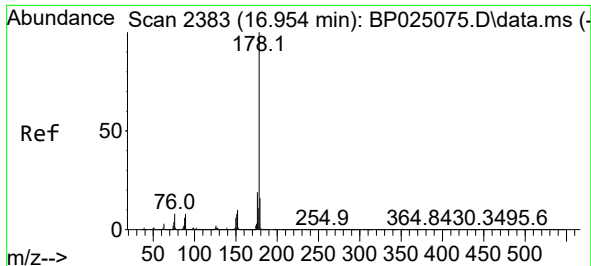
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.919 min Scan# 2377
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:188 Resp: 2885539
Ion Ratio Lower Upper
188 100
94 8.5 7.3 10.9
80 8.9 7.8 11.6





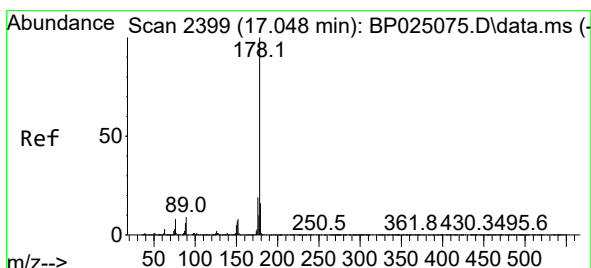
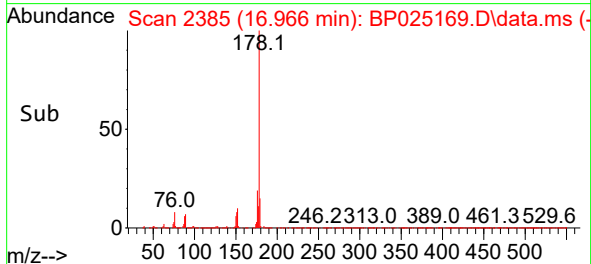
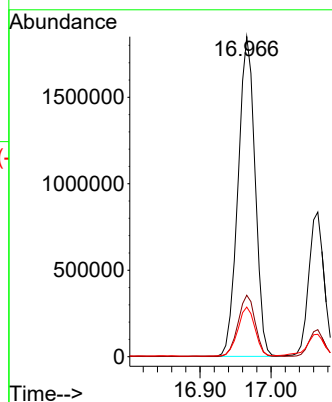
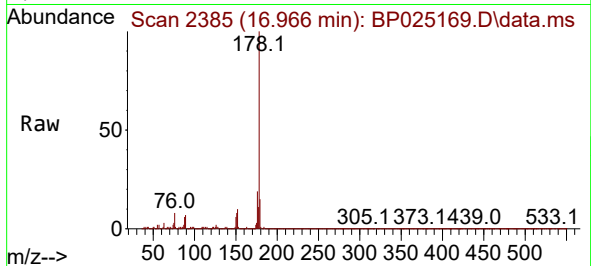
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Phenanthrene
Concen: 20.042 ng
RT: 16.966 min Scan# 2401
Delta R.T. 0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Instrument :
BNA_P
ClientSampleId :
EO-02-071525

Tgt Ion:178 Resp: 3090208
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.5 12.6 19.0

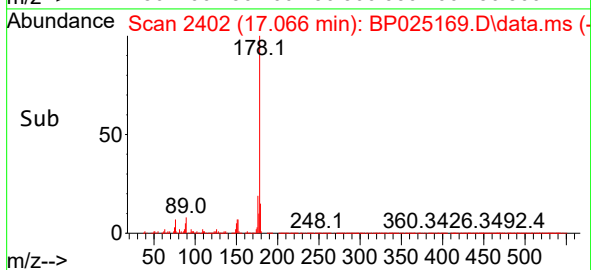
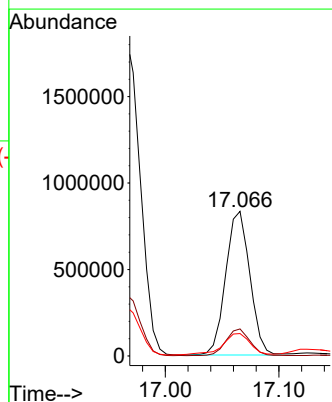
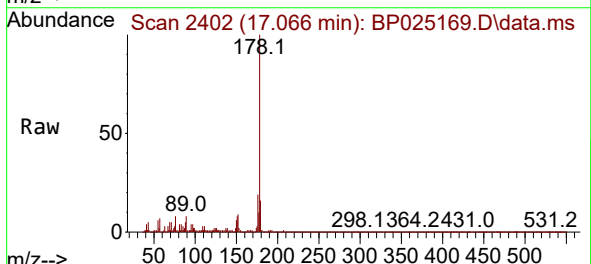
Manual Integrations
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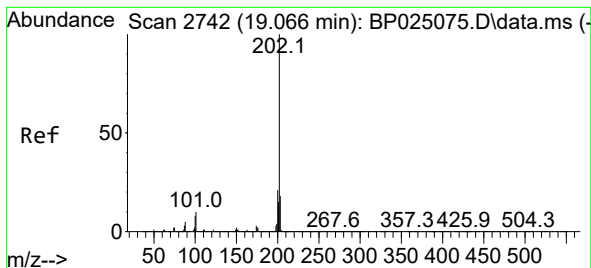
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#72
Anthracene
Concen: 8.311 ng
RT: 17.066 min Scan# 2402
Delta R.T. 0.018 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

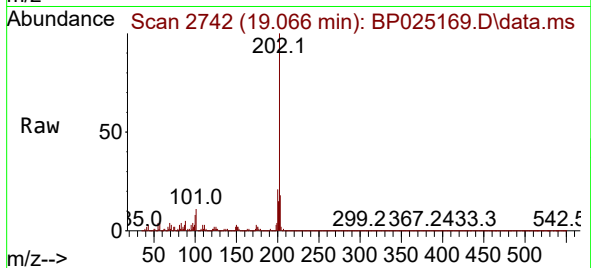
Tgt Ion:178 Resp: 1229311
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 32.310 ng
RT: 19.066 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

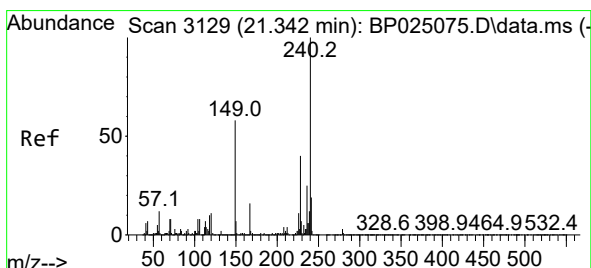
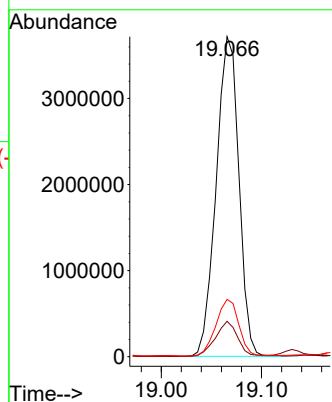
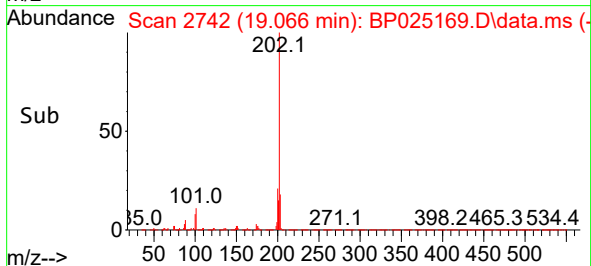
Instrument :
BNA_P
ClientSampleId :
EO-02-071525



Tgt Ion:202 Resp: 5823170
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.4
203 17.9 0.0 37.6

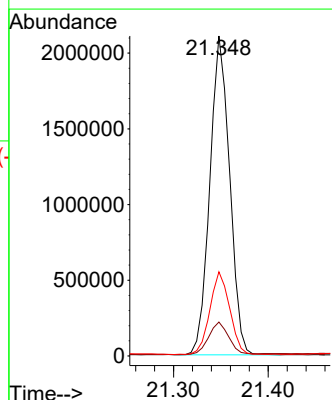
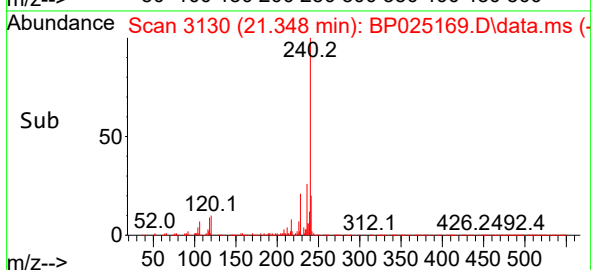
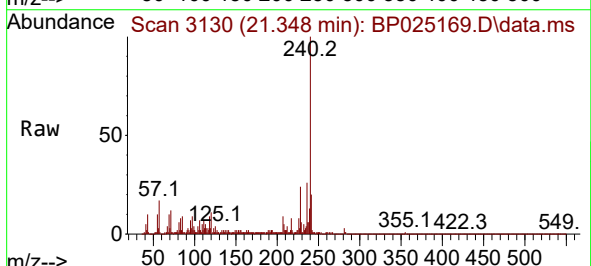
Manual Integrations
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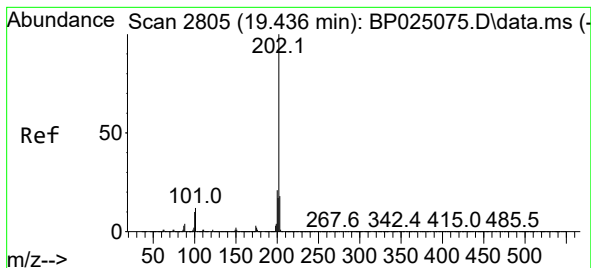
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.348 min Scan# 3130
Delta R.T. 0.006 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:240 Resp: 3050854
Ion Ratio Lower Upper
240 100
120 10.6 9.0 13.4
236 26.3 20.3 30.5





#78

Pyrene

Concen: 27.706 ng

RT: 19.442 min Scan# 2806

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

Tgt Ion:202 Resp: 523545

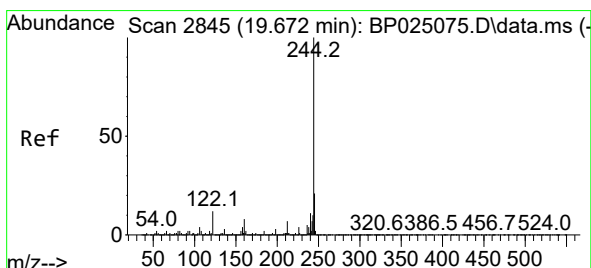
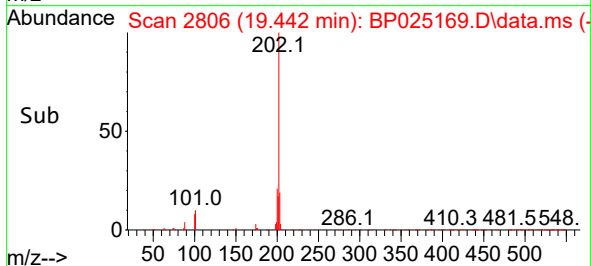
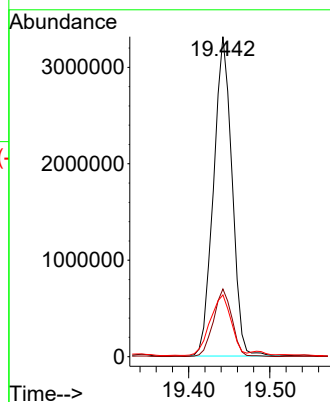
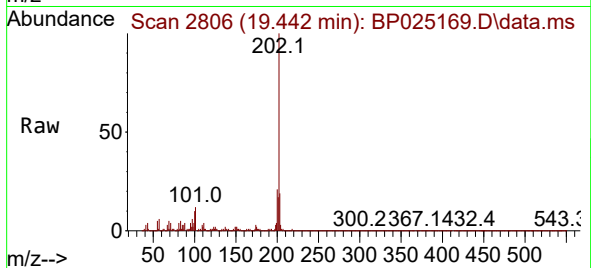
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	19.3	14.1	21.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/17/2025



#79

Terphenyl-d14

Concen: 5.367 ng

RT: 19.683 min Scan# 2847

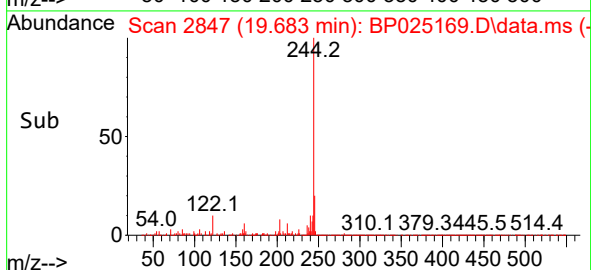
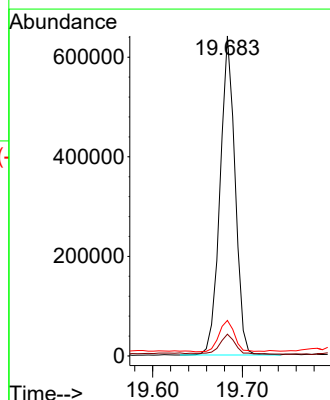
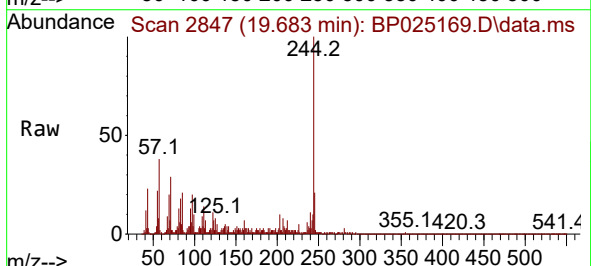
Delta R.T. 0.012 min

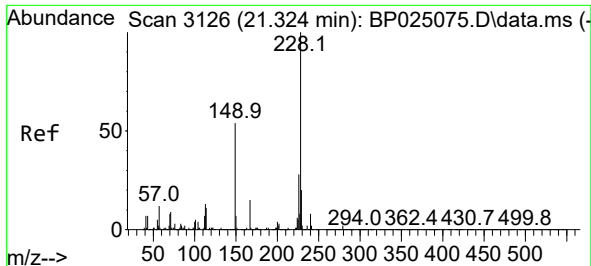
Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Tgt Ion:244 Resp: 745028

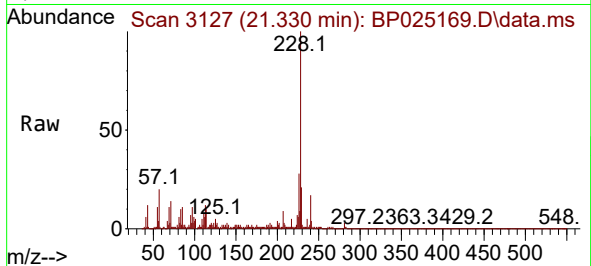
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	11.1	9.4	14.2





#81
Benzo(a)anthracene
Concen: 16.980 ng m
RT: 21.330 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

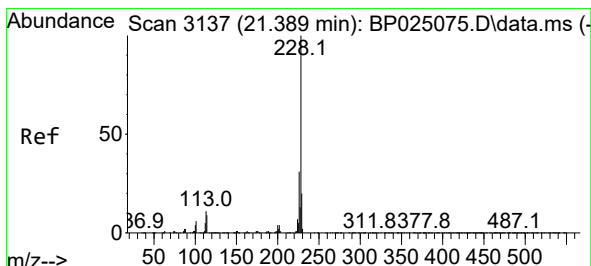
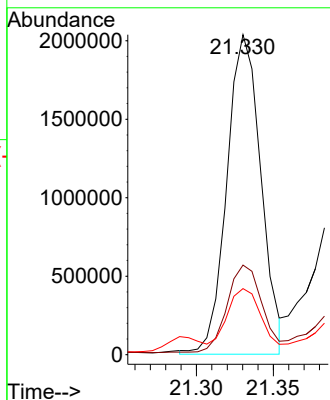
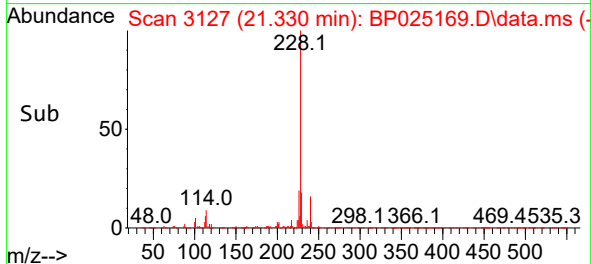
Instrument :
BNA_P
ClientSampleId :
EO-02-071525



Tgt Ion:228 Resp: 3139450
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 20.7 16.0 24.0

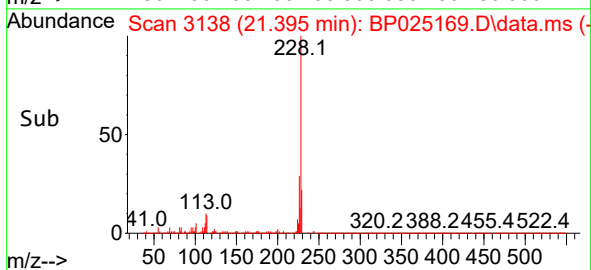
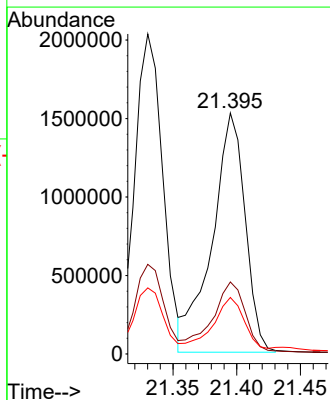
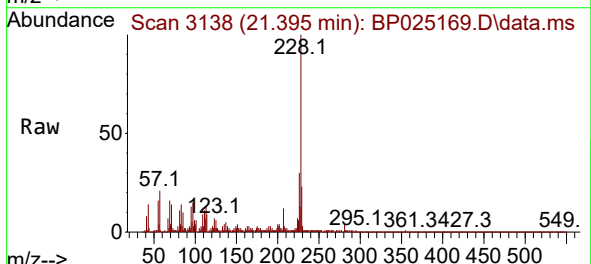
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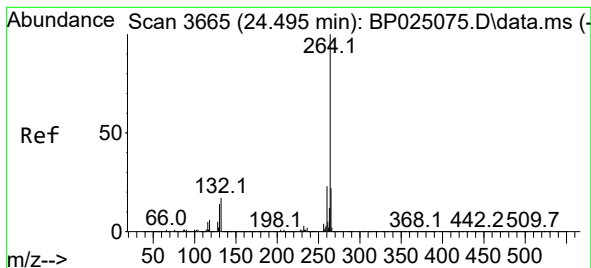
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#83
Chrysene
Concen: 15.457 ng m
RT: 21.395 min Scan# 3138
Delta R.T. 0.006 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

Tgt Ion:228 Resp: 2750183
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 23.4 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.501 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

Tgt Ion:264 Resp: 371208

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

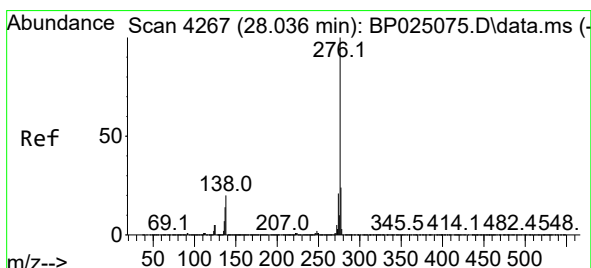
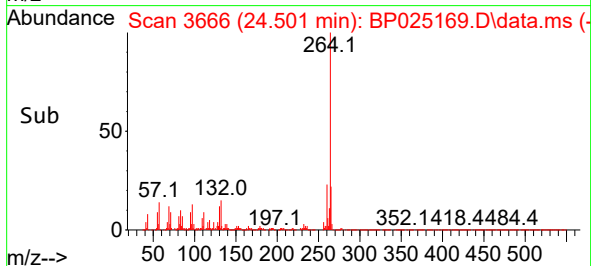
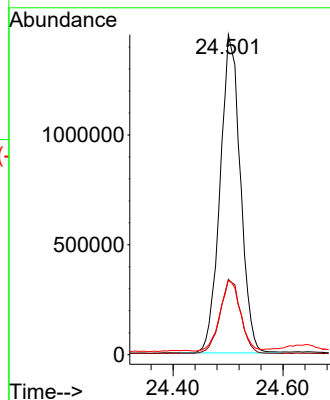
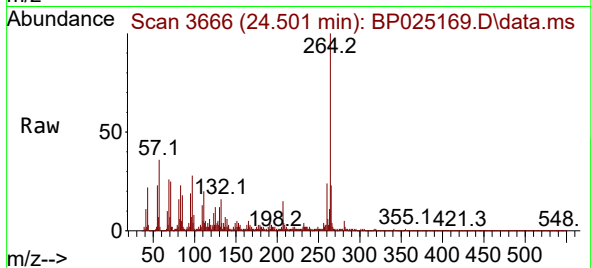
265 23.2 17.7 26.5

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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: 8.475 ng

RT: 28.048 min Scan# 4269

Delta R.T. 0.012 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

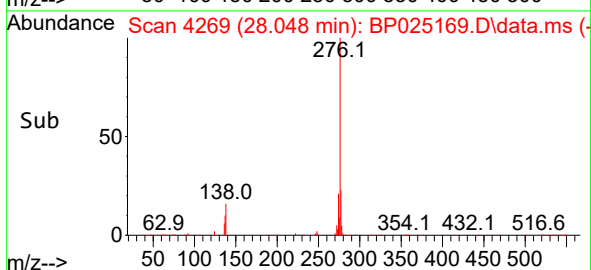
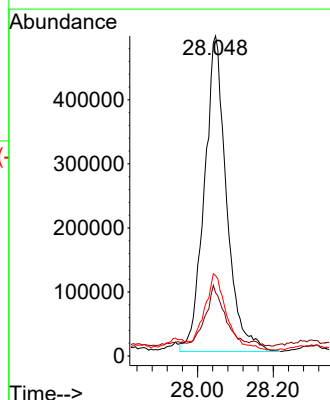
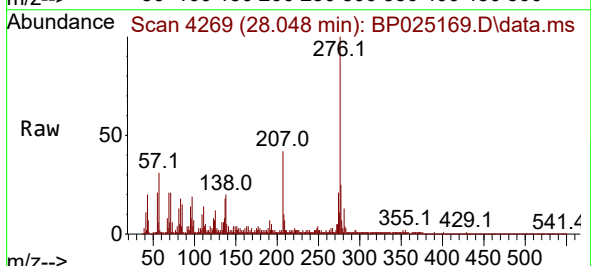
Tgt Ion:276 Resp: 2004156

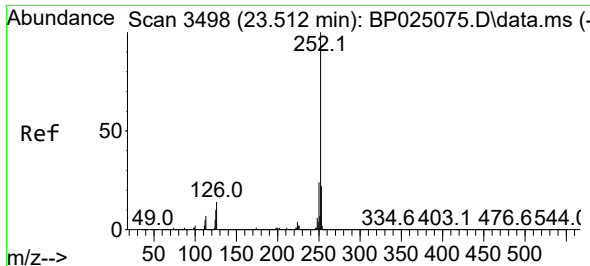
Ion Ratio Lower Upper

276 100

138 15.1 13.0 19.6

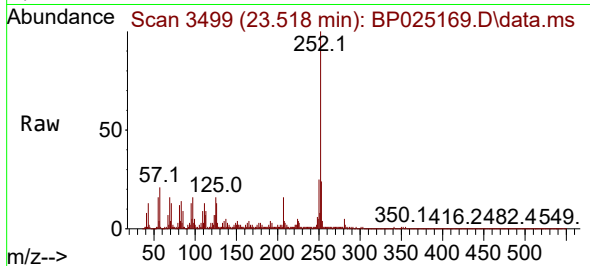
277 24.2 15.9 23.9#





#88
Benzo(b)fluoranthene
Concen: 16.906 ng
RT: 23.518 min Scan# 3498
Delta R.T. 0.006 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26

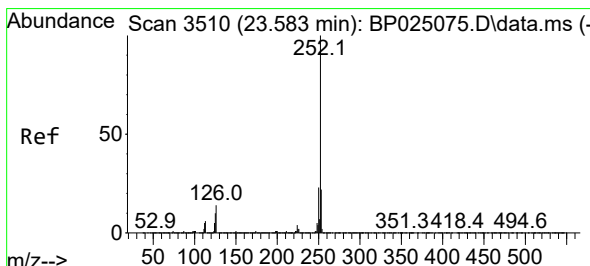
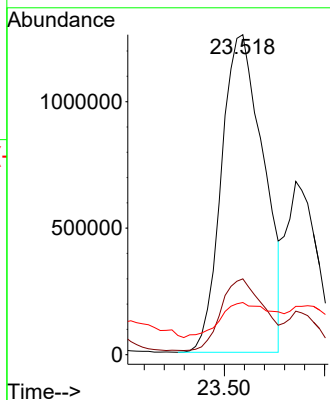
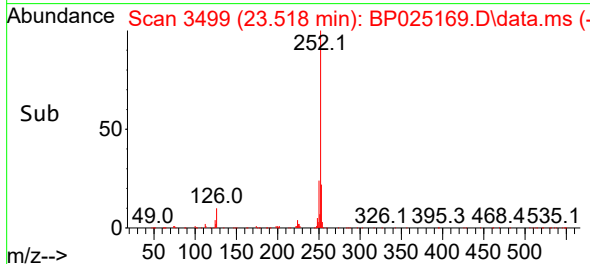
Instrument :
BNA_P
ClientSampleId :
EO-02-071525



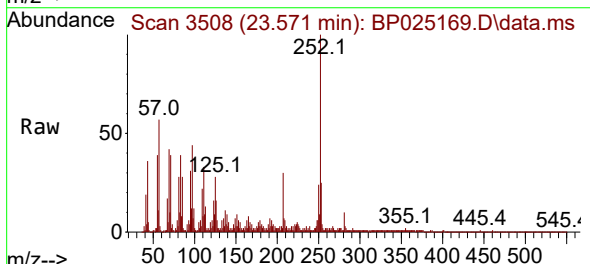
Tgt Ion:252 Resp: 365281
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 16.3 8.1 12.1

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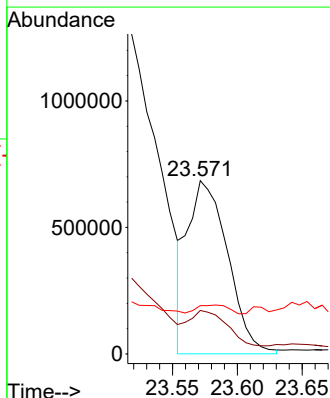
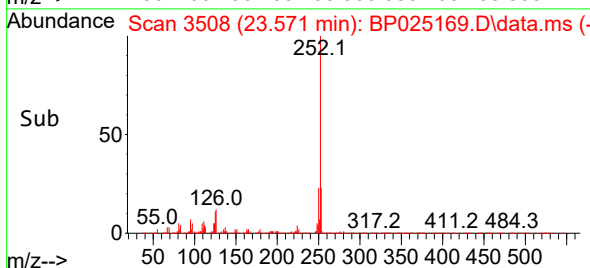
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

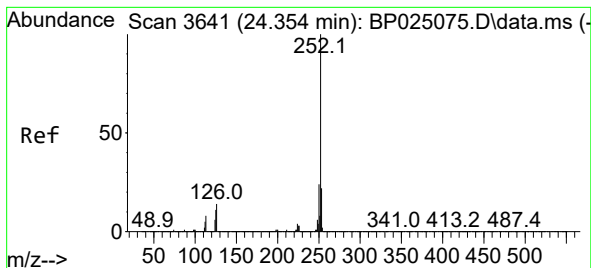


#89
Benzo(k)fluoranthene
Concen: 6.861 ng m
RT: 23.571 min Scan# 3508
Delta R.T. -0.012 min
Lab File: BP025169.D
Acq: 16 Jul 2025 22:26



Tgt Ion:252 Resp: 1474905
Ion Ratio Lower Upper
252 100
253 25.2 17.7 26.5
125 27.9 8.2 12.2





#90

Benzo(a)pyrene

Concen: 15.796 ng

RT: 24.354 min Scan# 30

Delta R.T. -0.000 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525

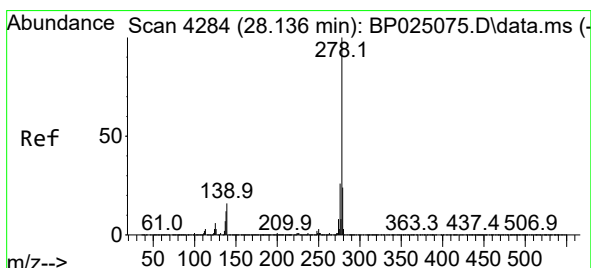
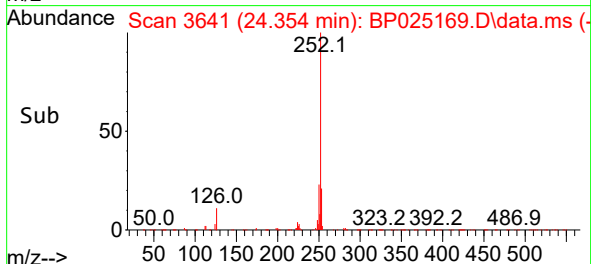
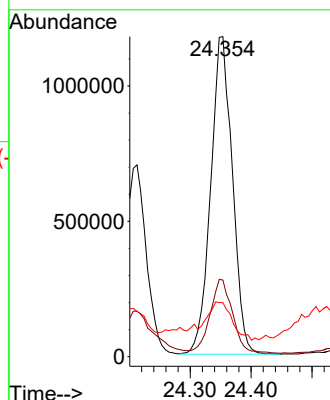
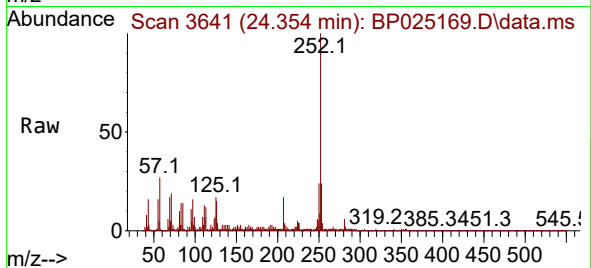
Tgt Ion:252 Resp: 2904788
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.6 26.4
 125 16.9 9.0 13.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025



#91

Dibenzo(a,h)anthracene

Concen: 2.754 ng m

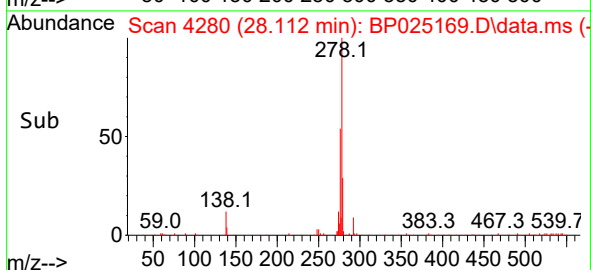
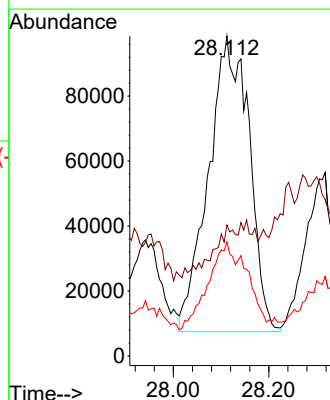
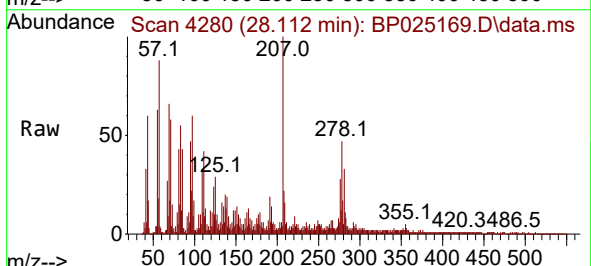
RT: 28.112 min Scan# 4280

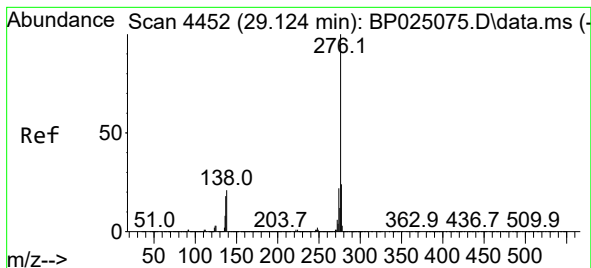
Delta R.T. -0.024 min

Lab File: BP025169.D

Acq: 16 Jul 2025 22:26

Tgt Ion:278 Resp: 538418
 Ion Ratio Lower Upper
 278 100
 139 41.0 13.1 19.7#
 279 35.6 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 9.101 ng

RT: 29.147 min Scan# 44

Delta R.T. 0.023 min

Lab File: BP025169.D

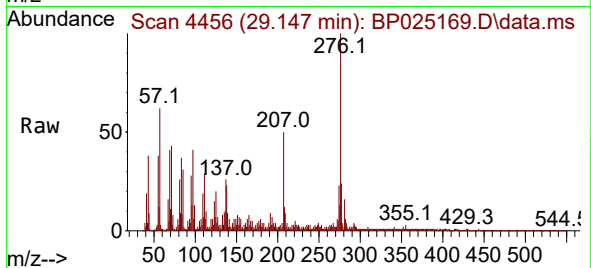
Acq: 16 Jul 2025 22:26

Instrument :

BNA_P

ClientSampleId :

EO-02-071525



Tgt Ion:276 Resp: 1837830

Ion Ratio Lower Upper

276 100

277 24.4 19.3 28.9

138 22.6 16.9 25.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/17/2025

Supervised By :Jagrut Upadhyay 07/17/2025

