

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
 Data File : BP025967.D
 Acq On : 09 Oct 2025 16:27
 Operator : RC/JU
 Sample : Q3313-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ETGI-360

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/10/2025
 Supervised By :Jagrut Upadhyay 10/10/2025

Quant Time: Oct 09 17:00:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 08 16:22:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	163704	20.000	ng	0.00
21) Naphthalene-d8	10.501	136	658563	20.000	ng	0.01
39) Acenaphthene-d10	14.342	164	436083	20.000	ng	0.00
64) Phenanthrene-d10	17.142	188	854273	20.000	ng	0.01
76) Chrysene-d12	21.583	240	837982	20.000	ng	0.01
86) Perylene-d12	24.918	264	904904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	1125369	112.201	ng	0.00
7) Phenol-d6	6.943	99	1452316	109.649	ng	0.00
23) Nitrobenzene-d5	8.878	82	898375	61.053	ng	0.00
42) 2,4,6-Tribromophenol	15.860	330	615875	113.089	ng	0.00
45) 2-Fluorobiphenyl	12.948	172	1840948	56.710	ng	0.00
79) Terphenyl-d14	19.860	244	2552196	54.918	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.189	178	542733	11.341	ng	99
75) Fluoranthene	19.272	202	1301107	22.696	ng	100
78) Pyrene	19.648	202	1124931	20.261	ng	98
81) Benzo(a)anthracene	21.560	228	543517	9.582	ng	99
83) Chrysene	21.630	228	643428	11.881	ng	98
87) Indeno(1,2,3-cd)pyrene	28.712	276	370368	5.696	ng	# 84
88) Benzo(b)fluoranthene	23.871	252	790099	14.516	ng	100
89) Benzo(k)fluoranthene	23.930	252	284360m	5.118	ng	
90) Benzo(a)pyrene	24.760	252	510018	9.548	ng	95
92) Benzo(g,h,i)perylene	29.889	276	372436	7.105	ng	96

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

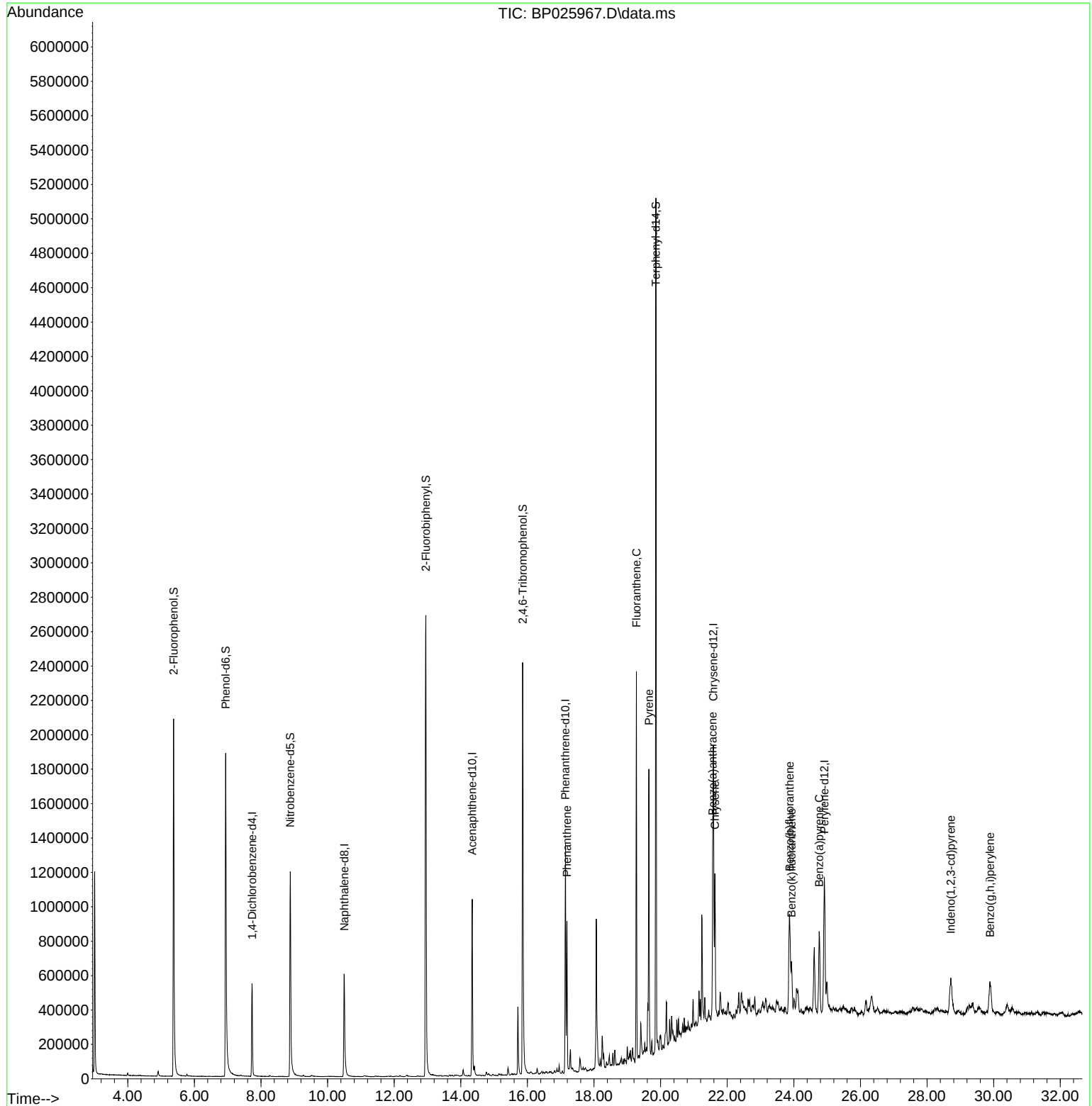
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100925\
Data File : BP025967.D
Acq On : 09 Oct 2025 16:27
Operator : RC/JU
Sample : Q3313-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

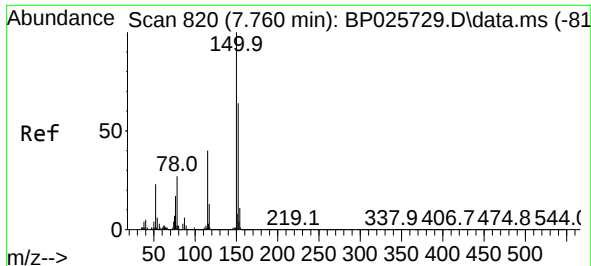
Instrument :
BNA_P
ClientSampleId :
ETGI-360

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

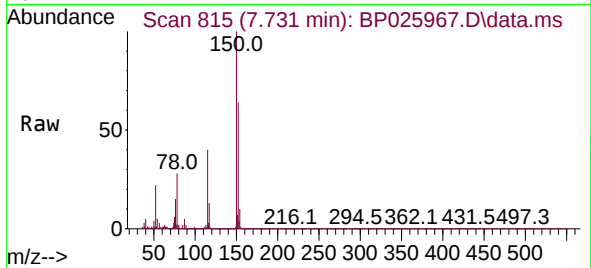
Quant Time: Oct 09 17:00:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 08 16:22:13 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.731 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

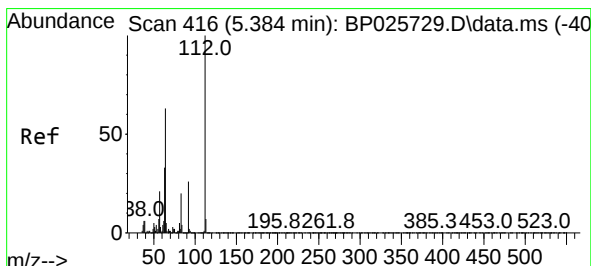
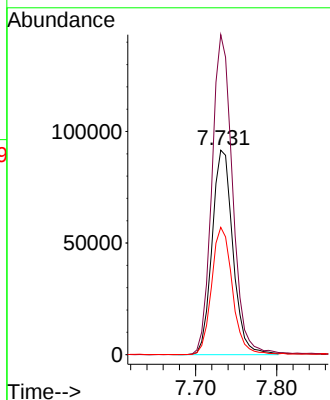
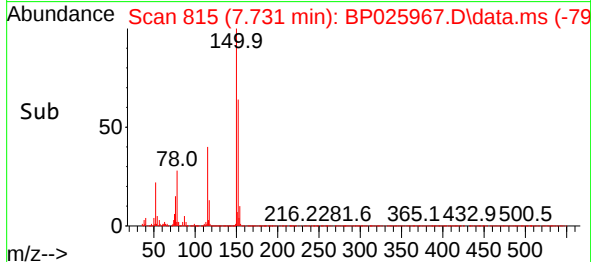
Instrument :
BNA_P
ClientSampleId :
ETGI-360



Tgt Ion:152 Resp: 163704
Ion Ratio Lower Upper
152 100
150 156.5 124.3 186.5
115 62.3 50.3 75.5

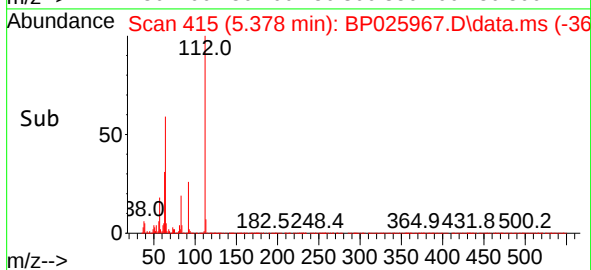
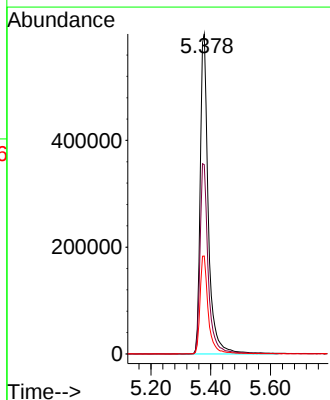
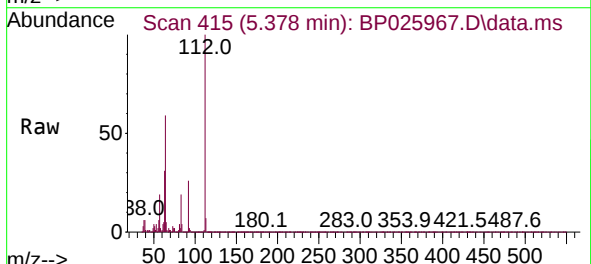
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#5
2-Fluorophenol
Concen: 112.201 ng
RT: 5.378 min Scan# 415
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:112 Resp: 1125369
Ion Ratio Lower Upper
112 100
64 59.1 50.2 75.4
63 30.6 26.7 40.1





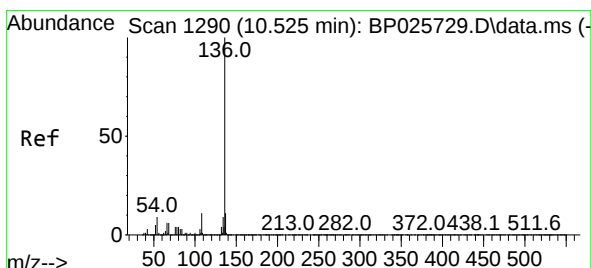
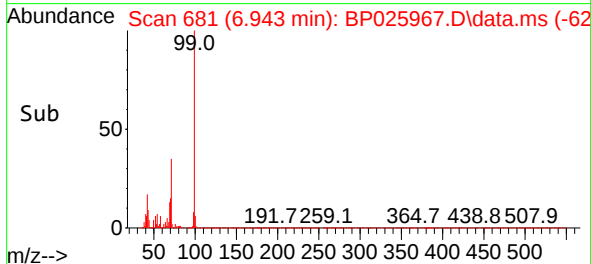
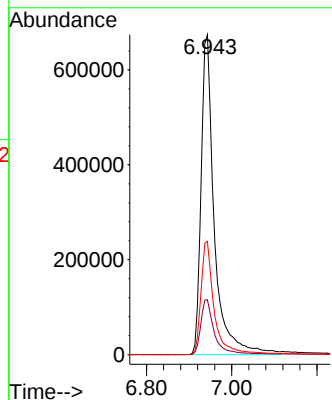
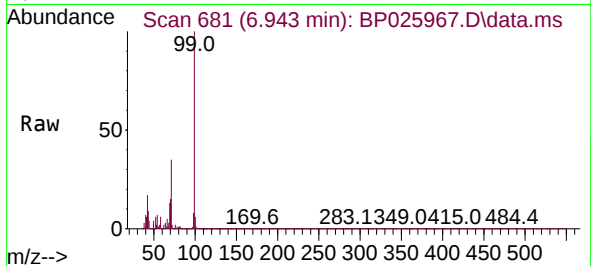
#7
Phenol-d6
Concen: 109.649 ng
RT: 6.943 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion: 99 Resp: 1452316
Ion Ratio Lower Upper
99 100
42 17.2 15.6 23.4
71 35.4 28.6 43.0

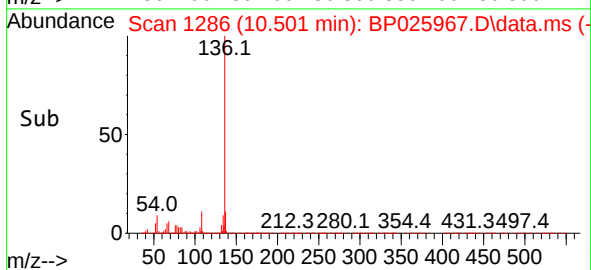
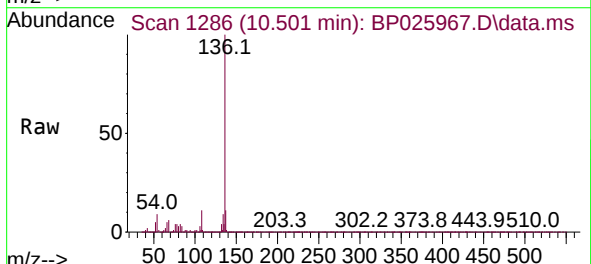
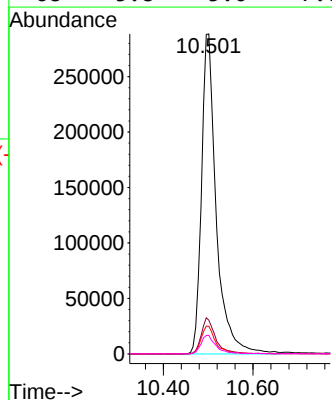
Manual Integrations
APPROVED

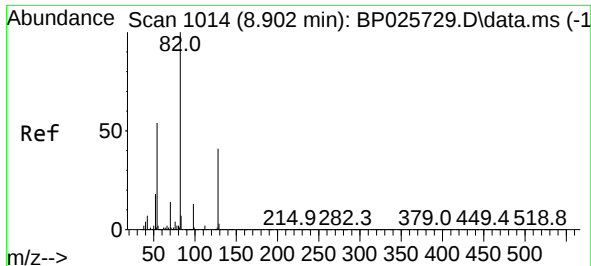
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.501 min Scan# 1286
Delta R.T. 0.012 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:136 Resp: 658563
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.6 7.5 11.3
68 5.8 5.0 7.6





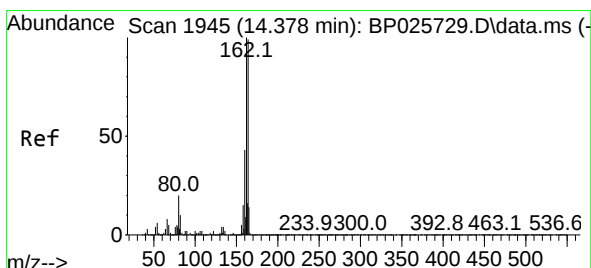
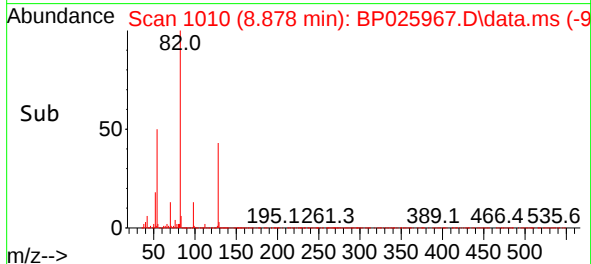
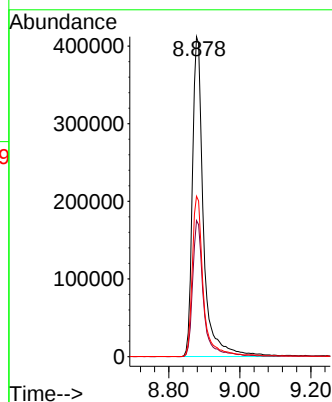
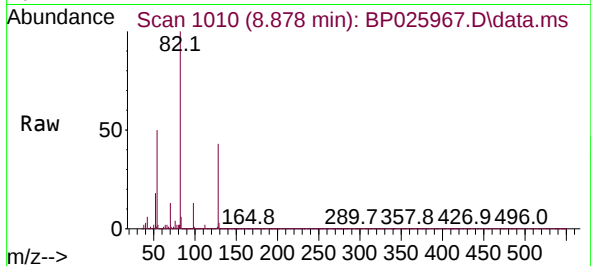
#23
Nitrobenzene-d5
Concen: 61.053 ng
RT: 8.878 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion: 82 Resp: 898375
Ion Ratio Lower Upper
82 100
128 42.5 32.9 49.3
54 50.1 43.4 65.2

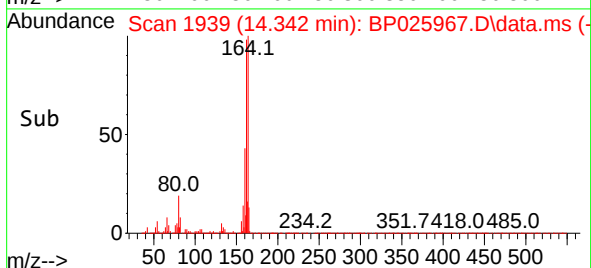
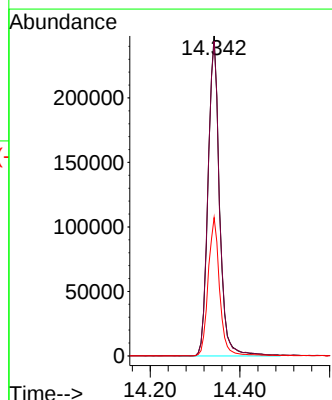
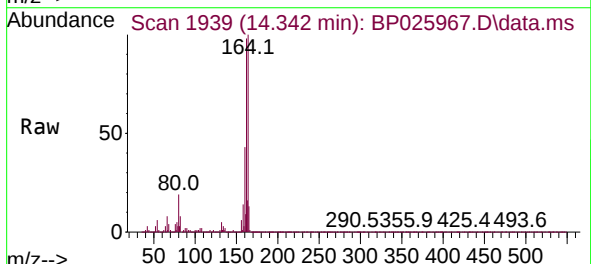
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.342 min Scan# 1939
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

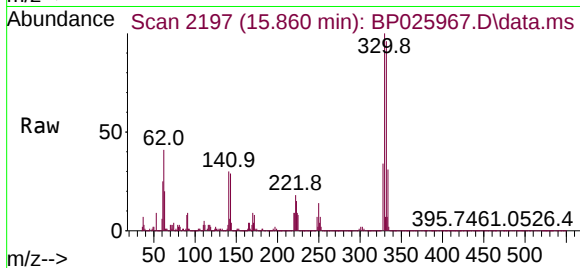
Tgt Ion:164 Resp: 436083
Ion Ratio Lower Upper
164 100
162 98.4 80.6 120.8
160 43.2 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 113.089 ng
RT: 15.860 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

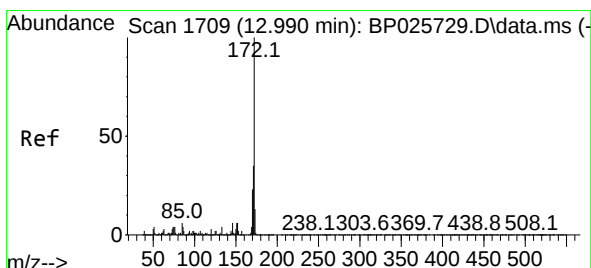
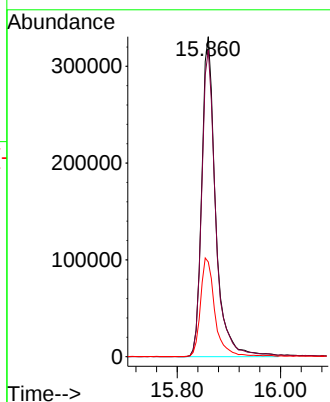
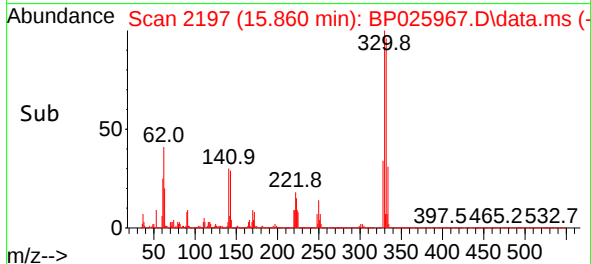
Instrument :
BNA_P
ClientSampleId :
ETGI-360



Tgt Ion:330 Resp: 615875
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 32.1 31.0 46.4

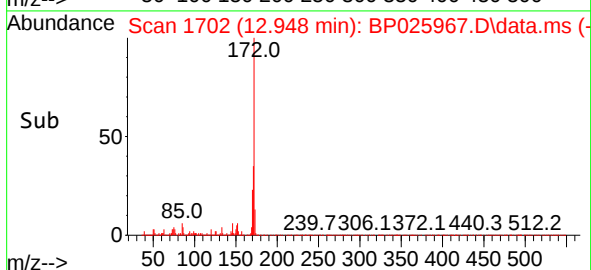
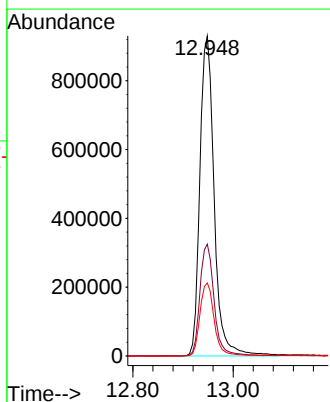
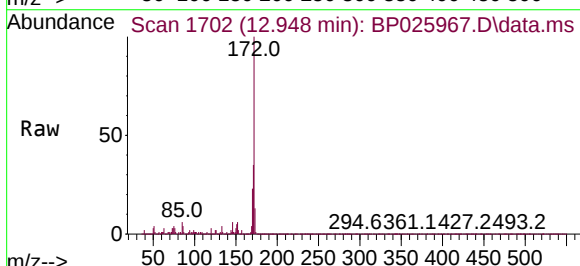
Manual Integrations
APPROVED

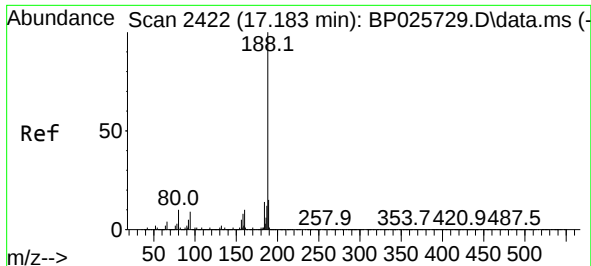
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#45
2-Fluorobiphenyl
Concen: 56.710 ng
RT: 12.948 min Scan# 1702
Delta R.T. -0.000 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:172 Resp: 1840948
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 22.8 18.6 27.8





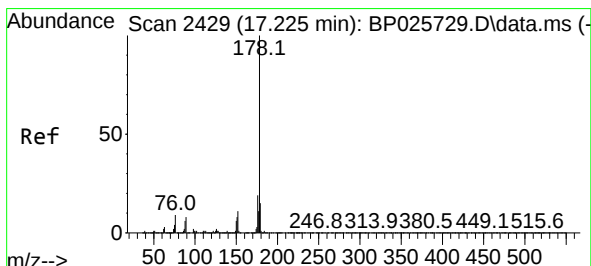
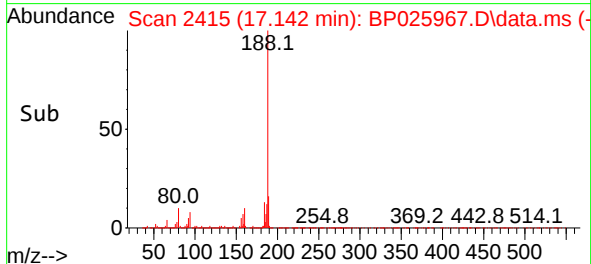
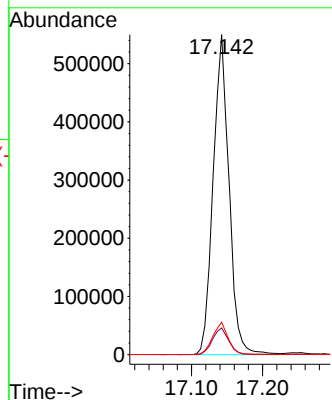
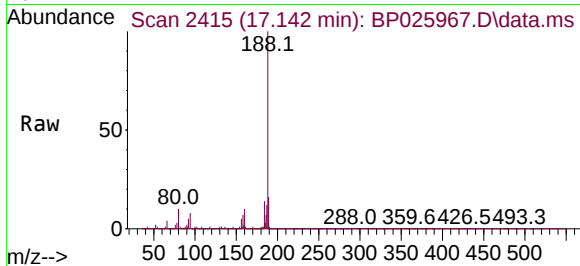
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.142 min Scan# 2415
Delta R.T. 0.012 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion:188 Resp: 854273
Ion Ratio Lower Upper
188 100
94 8.3 7.4 11.0
80 10.1 7.7 11.5

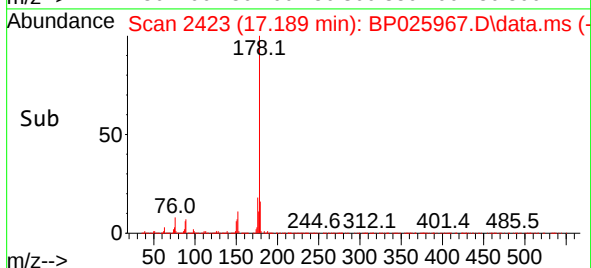
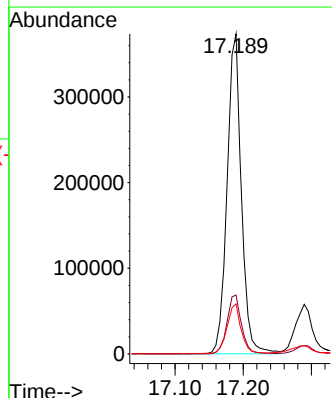
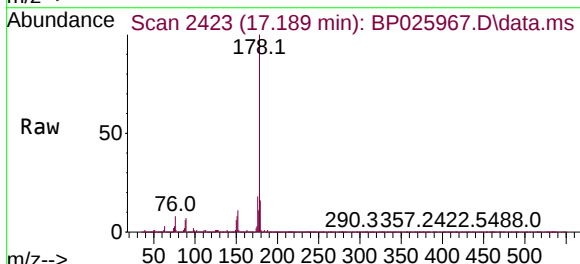
Manual Integrations
APPROVED

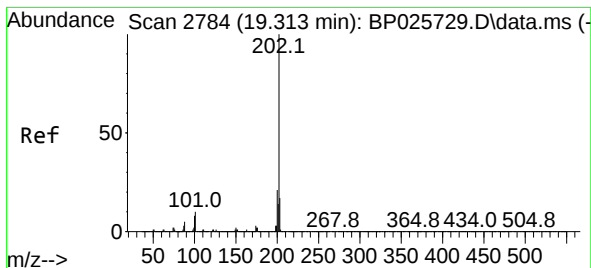
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#71
Phenanthrene
Concen: 11.341 ng
RT: 17.189 min Scan# 2423
Delta R.T. 0.012 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

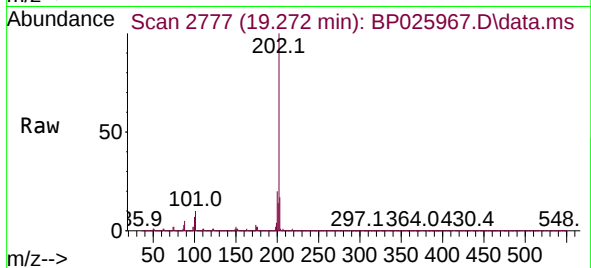
Tgt Ion:178 Resp: 542733
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 22.696 ng
RT: 19.272 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

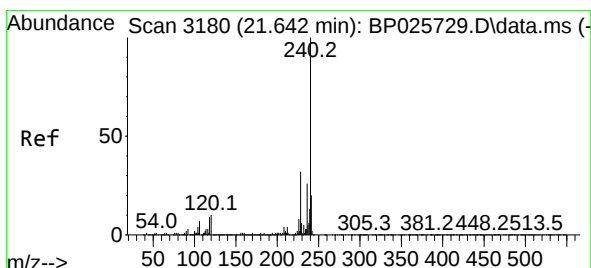
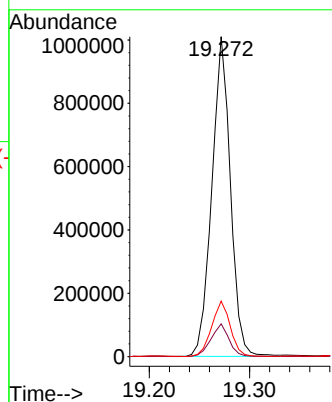
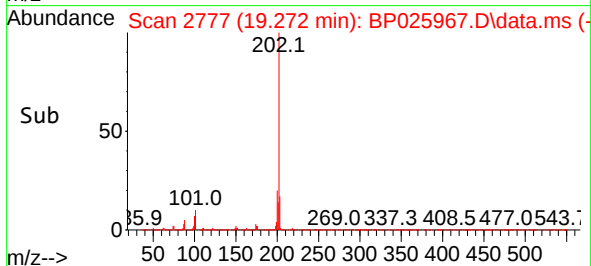
Instrument :
BNA_P
ClientSampleId :
ETGI-360



Tgt Ion:202 Resp: 130110
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.4
203 17.3 0.0 37.4

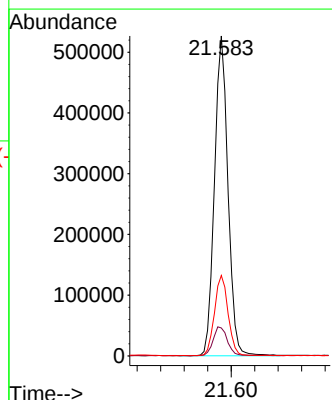
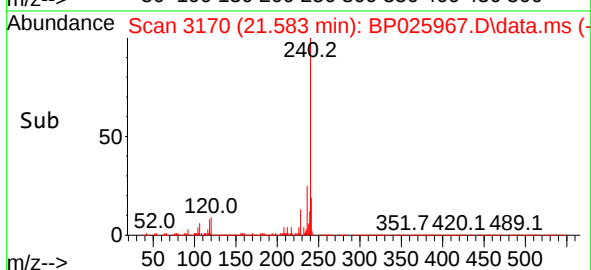
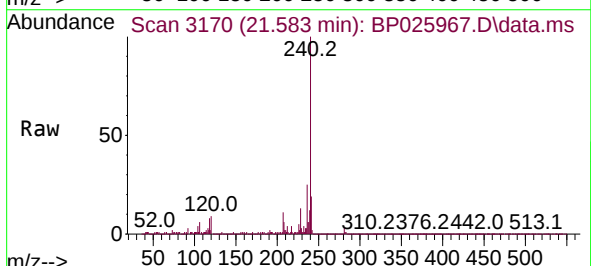
Manual Integrations
APPROVED

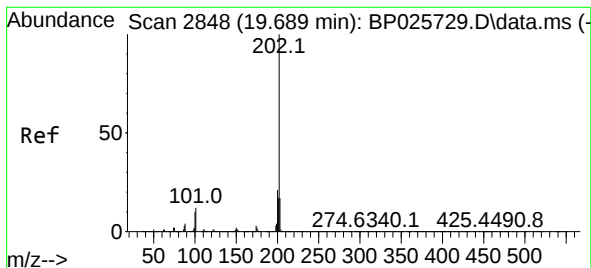
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. 0.012 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:240 Resp: 837982
Ion Ratio Lower Upper
240 100
120 8.7 8.0 12.0
236 25.1 20.7 31.1





#78

Pyrene

Concen: 20.261 ng

RT: 19.648 min Scan# 2841

Delta R.T. 0.006 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

Instrument :

BNA_P

ClientSampleId :

ETGI-360

Tgt Ion:202 Resp: 112493

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.6

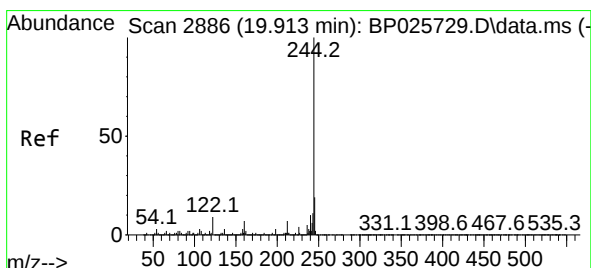
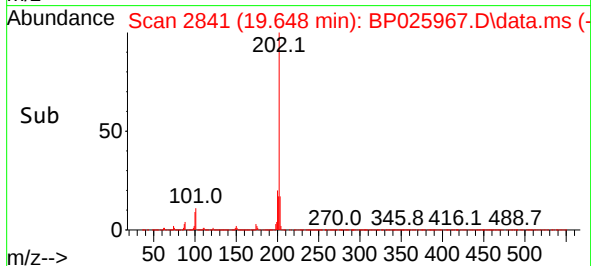
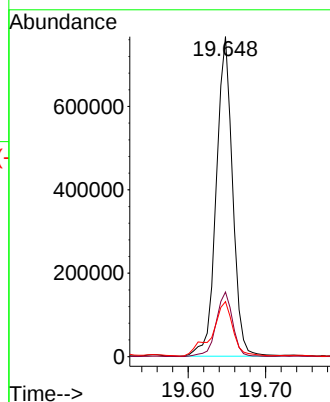
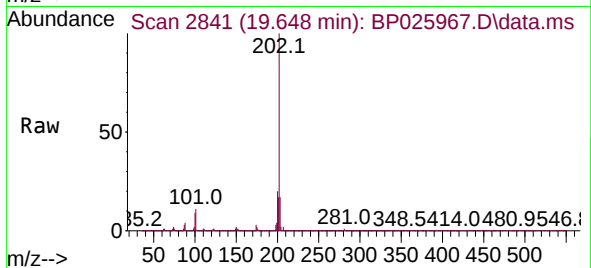
203 17.2 13.9 20.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/10/2025

Supervised By :Jagrut Upadhyay 10/10/2025



#79

Terphenyl-d14

Concen: 54.918 ng

RT: 19.860 min Scan# 2877

Delta R.T. 0.006 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

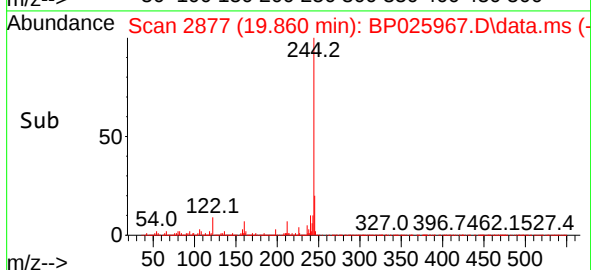
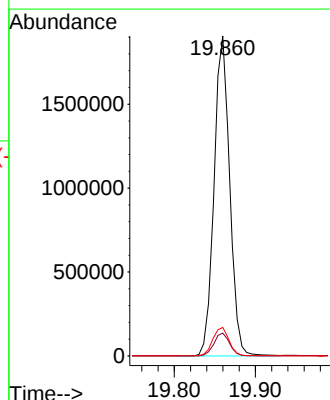
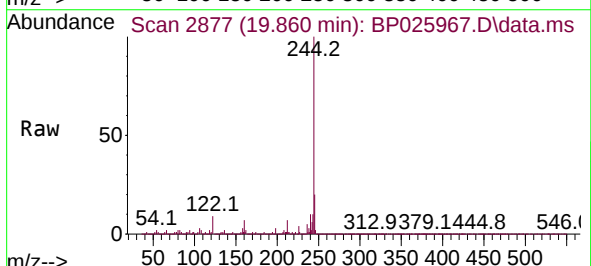
Tgt Ion:244 Resp: 2552196

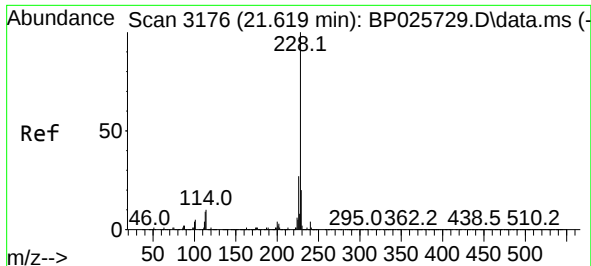
Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

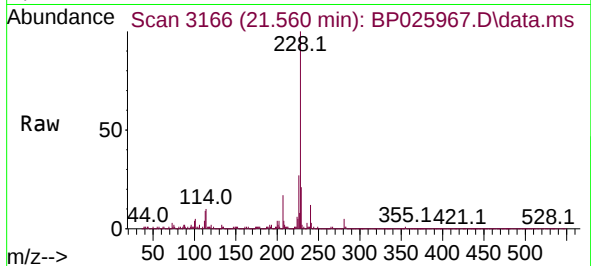
122 8.9 7.1 10.7





#81
Benzo(a)anthracene
Concen: 9.582 ng
RT: 21.560 min Scan# 3176
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

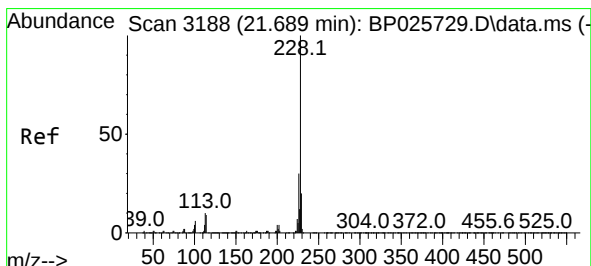
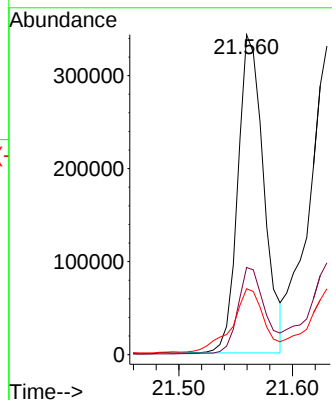
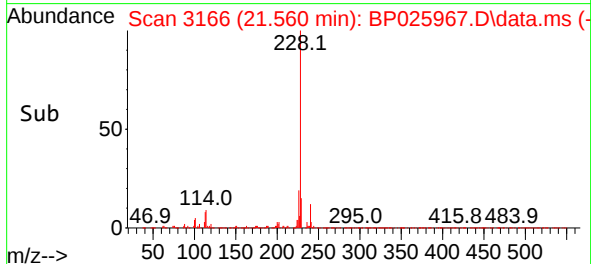
Instrument :
BNA_P
ClientSampleId :
ETGI-360



Tgt Ion:228 Resp: 543517
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 20.6 15.7 23.5

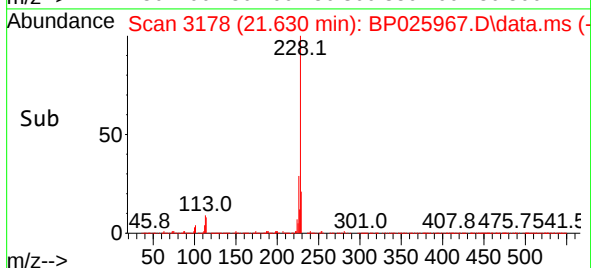
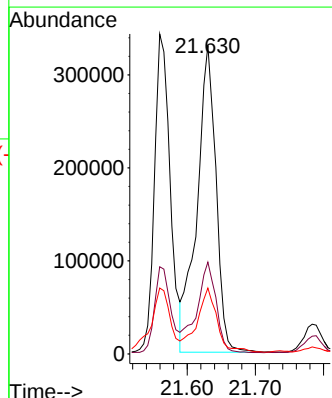
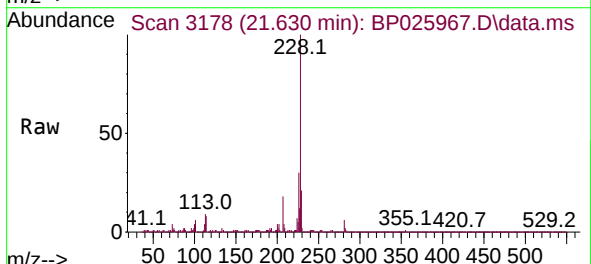
Manual Integrations
APPROVED

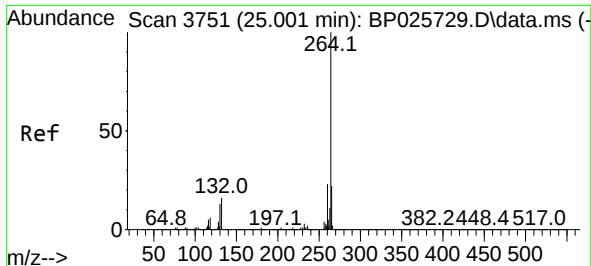
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#83
Chrysene
Concen: 11.881 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

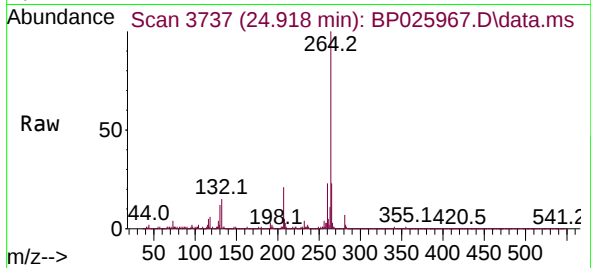
Tgt Ion:228 Resp: 643428
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 21.3 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.918 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

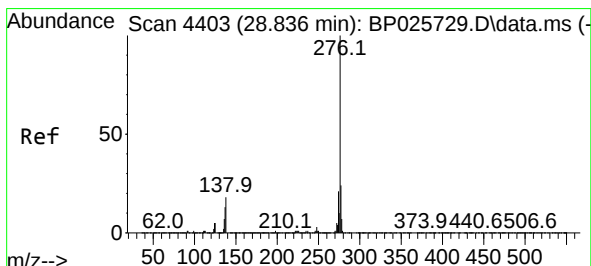
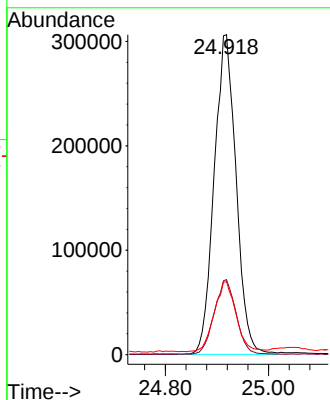
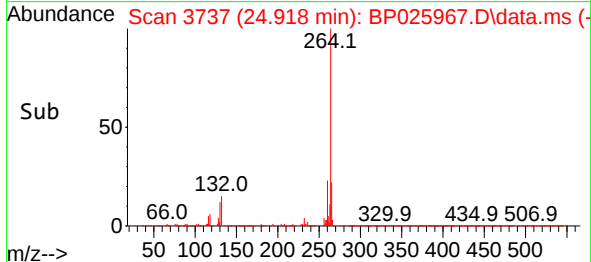
Instrument :
BNA_P
ClientSampleId :
ETGI-360



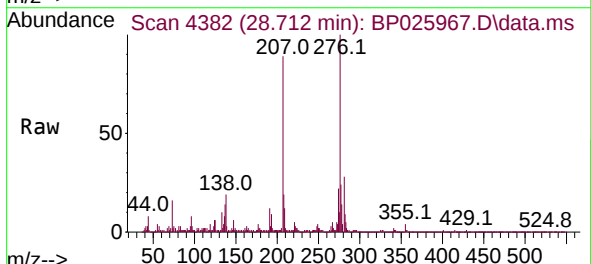
Tgt Ion:264 Resp: 904904
Ion Ratio Lower Upper
264 100
260 23.4 18.3 27.5
265 22.8 17.3 25.9

Manual Integrations
APPROVED

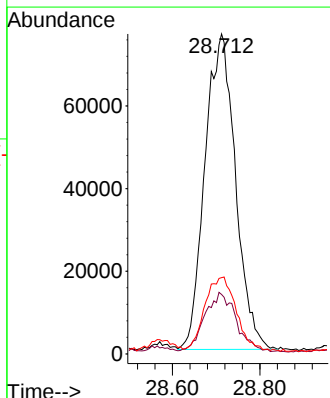
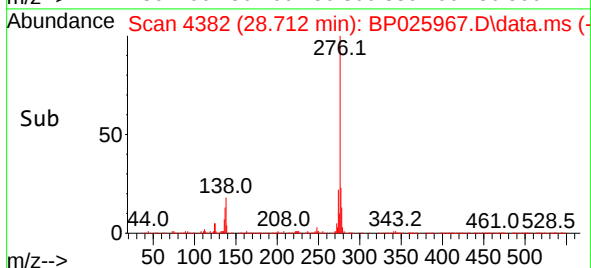
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

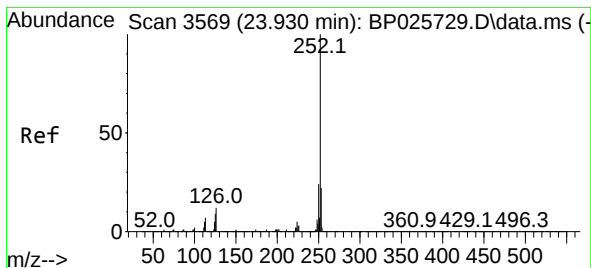


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.696 ng
RT: 28.712 min Scan# 4382
Delta R.T. -0.018 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27



Tgt Ion:276 Resp: 370368
Ion Ratio Lower Upper
276 100
138 19.0 13.4 20.2
277 23.8 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 14.516 ng

RT: 23.871 min Scan# 3559

Delta R.T. 0.023 min

Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

Instrument :

BNA_P

ClientSampleId :

ETGI-360

Tgt Ion:252 Resp: 790099

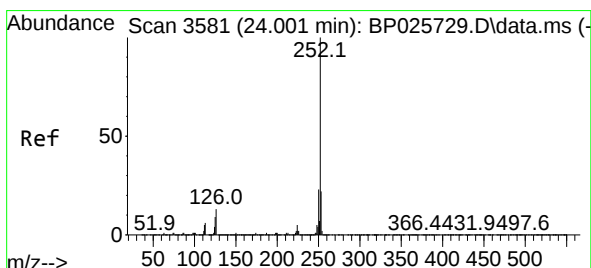
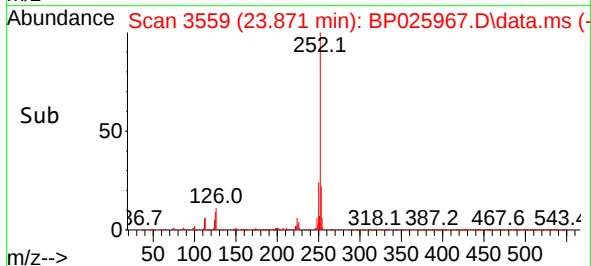
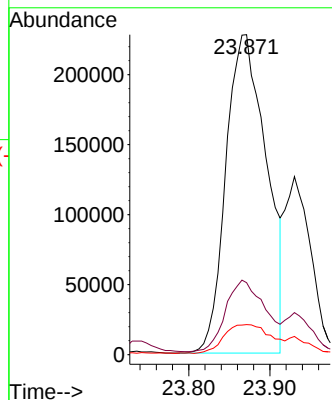
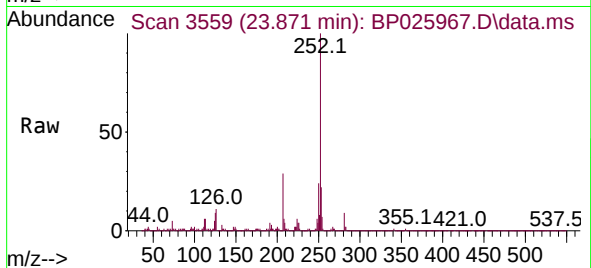
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	9.4	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/10/2025

Supervised By :Jagrut Upadhyay 10/10/2025



#89

Benzo(k)fluoranthene

Concen: 5.118 ng m

RT: 23.930 min Scan# 3569

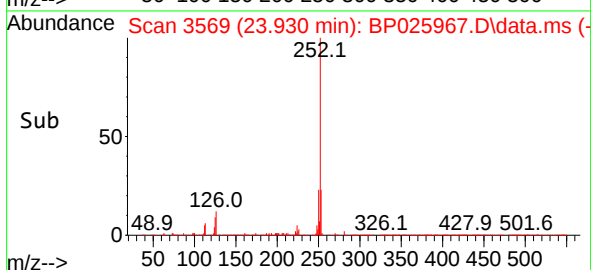
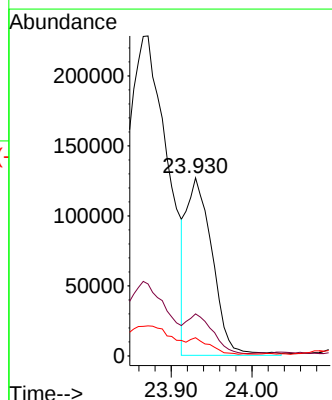
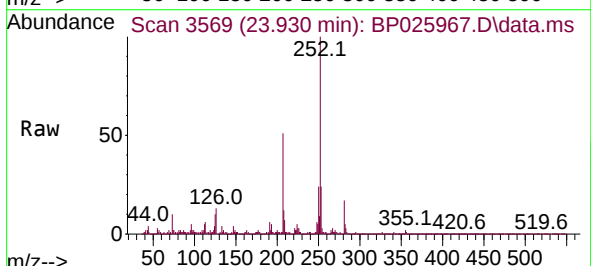
Delta R.T. 0.017 min

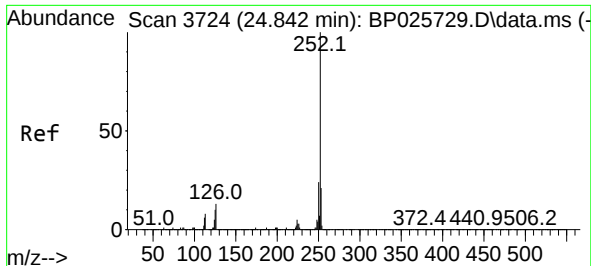
Lab File: BP025967.D

Acq: 09 Oct 2025 16:27

Tgt Ion:252 Resp: 284360

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	10.2	7.5	11.3





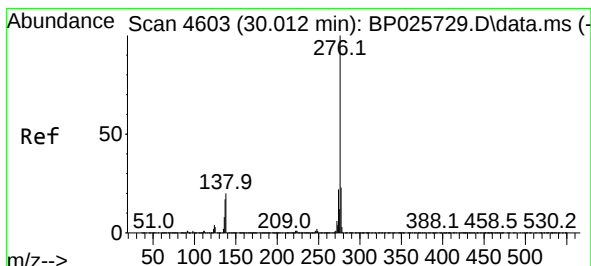
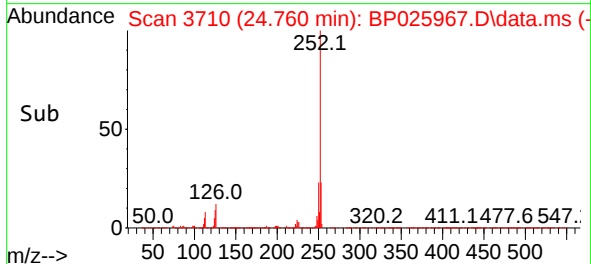
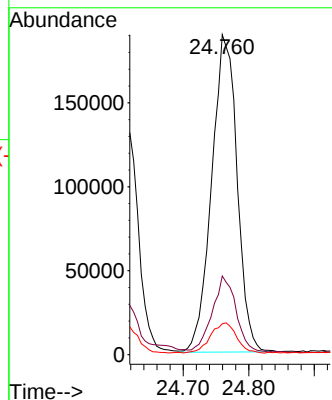
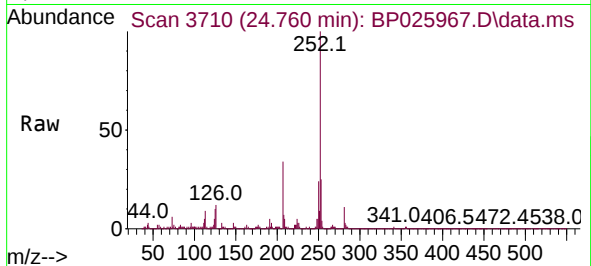
#90
Benzo(a)pyrene
Concen: 9.548 ng
RT: 24.760 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Instrument :
BNA_P
ClientSampleId :
ETGI-360

Tgt Ion:252 Resp: 510018
Ion Ratio Lower Upper
252 100
253 24.6 17.2 25.8
125 9.6 8.3 12.5

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#92
Benzo(g,h,i)perylene
Concen: 7.105 ng
RT: 29.889 min Scan# 4582
Delta R.T. -0.012 min
Lab File: BP025967.D
Acq: 09 Oct 2025 16:27

Tgt Ion:276 Resp: 372436
Ion Ratio Lower Upper
276 100
277 25.1 18.7 28.1
138 18.3 16.0 24.0

