

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025575.D
 Acq On : 25 Aug 2025 21:55
 Operator : CG/JU
 Sample : Q2947-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 291

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/26/2025
 Supervised By :Jagrut Upadhyay 08/26/2025

Quant Time: Aug 26 01:17:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.778	152	227012	20.000	ng	-0.02
21) Naphthalene-d8	10.543	136	918501	20.000	ng	-0.02
39) Acenaphthene-d10	14.384	164	554930	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	739712	20.000	ng	# 0.00
76) Chrysene-d12	21.654	240	976647	20.000	ng	0.00
86) Perylene-d12	24.995	264	1240532	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	760720	55.650	ng	0.00
7) Phenol-d6	6.972	99	981110	55.981	ng	0.00
23) Nitrobenzene-d5	8.913	82	699375	38.517	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	419528	56.166	ng	-0.01
45) 2-Fluorobiphenyl	12.996	172	1719072	42.337	ng	-0.02
79) Terphenyl-d14	19.925	244	1825028	34.189	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.101	152	126982	2.446	ng	# 74
71) Phenanthrene	17.242	178	1144400	28.163	ng	# 76
72) Anthracene	17.337	178	316062	7.617	ng	# 50
75) Fluoranthene	19.342	202	1737681	35.850	ng	89
78) Pyrene	19.719	202	2530042	39.856	ng	# 95
81) Benzo(a)anthracene	21.630	228	1550152	24.067	ng	97
83) Chrysene	21.701	228	1614010	26.757	ng	96
84) Bis(2-ethylhexyl)phtha...	21.554	149	156709	3.700	ng	# 77
87) Indeno(1,2,3-cd)pyrene	28.836	276	1115581	12.262	ng	# 90
88) Benzo(b)fluoranthene	23.948	252	2155920	29.472	ng	97
89) Benzo(k)fluoranthene	24.007	252	653823m	8.932	ng	
90) Benzo(a)pyrene	24.848	252	1494931	20.994	ng	99
91) Dibenzo(a,h)anthracene	28.895	278	346554m	4.661	ng	
92) Benzo(g,h,i)perylene	30.024	276	1188529	16.263	ng	99

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

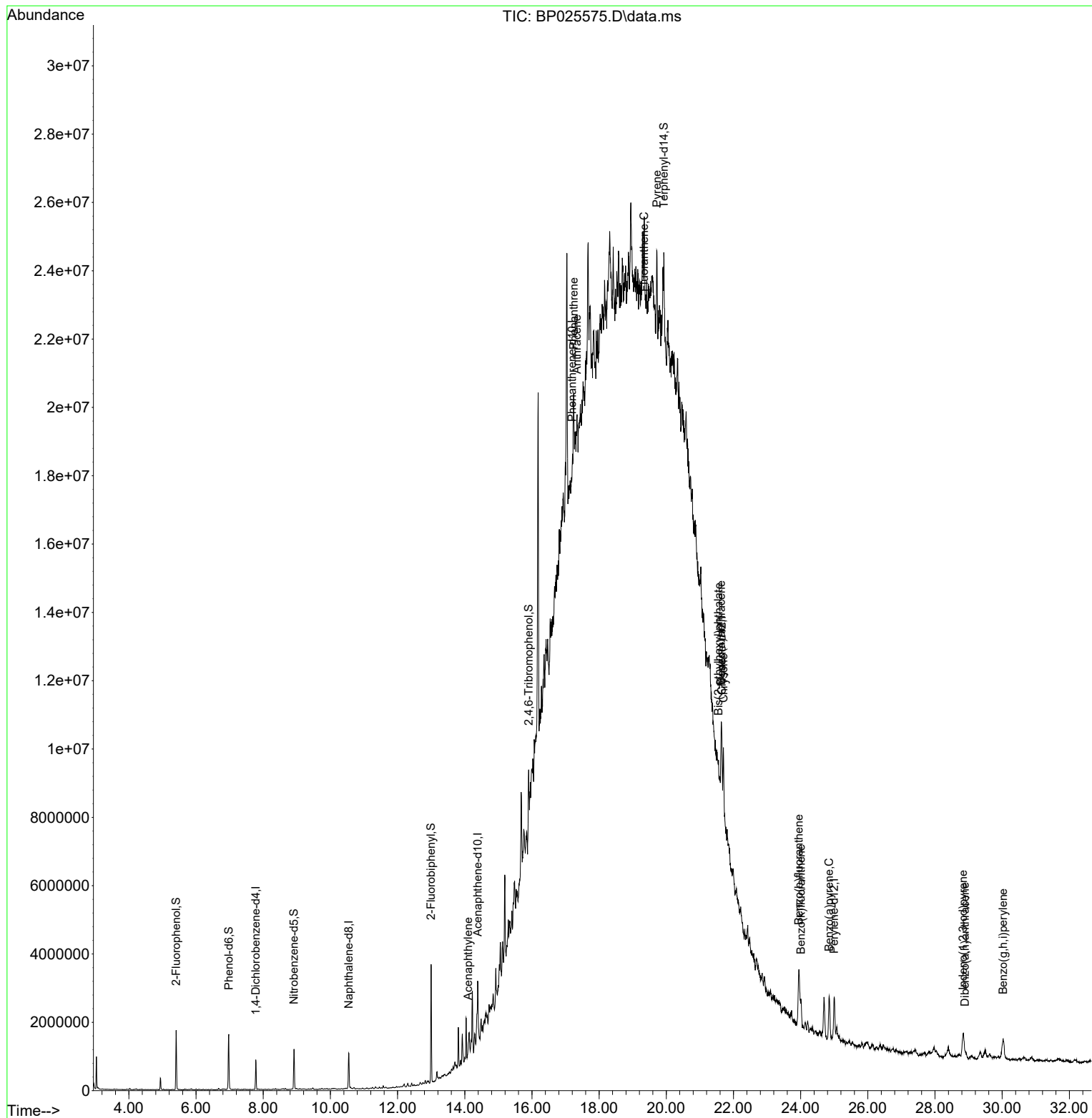
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025575.D
Acq On : 25 Aug 2025 21:55
Operator : CG/JU
Sample : Q2947-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

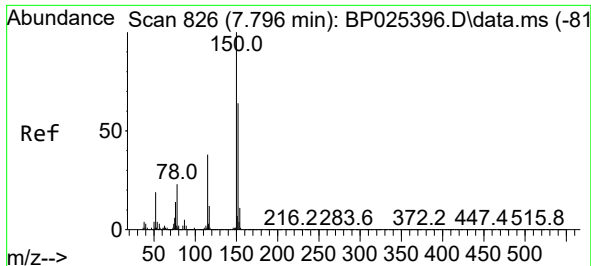
Instrument :
BNA_P
ClientSampleId :
291

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025

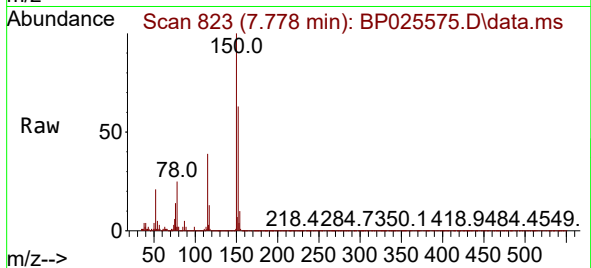
Quant Time: Aug 26 01:17:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 826
Delta R.T. -0.018 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

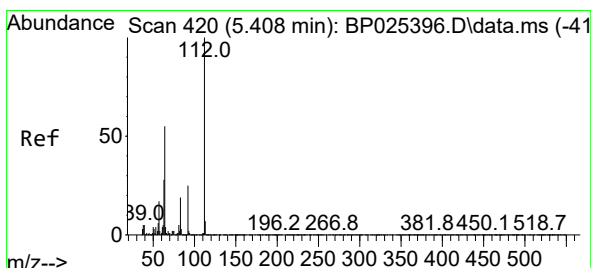
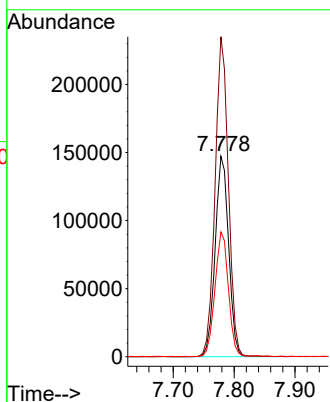
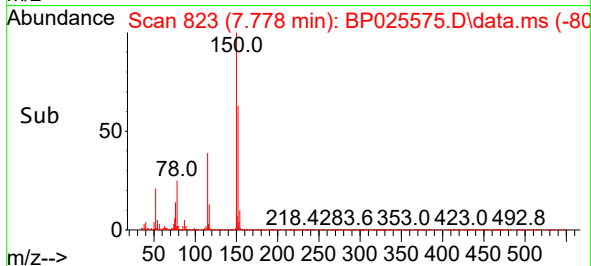
Instrument :
BNA_P
ClientSampleId :
291



Tgt Ion:152 Resp: 227012
Ion Ratio Lower Upper
152 100
150 159.7 125.9 188.9
115 62.3 48.5 72.7

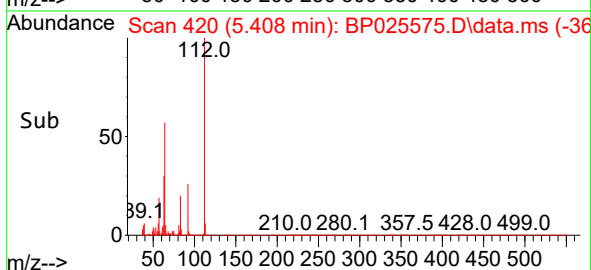
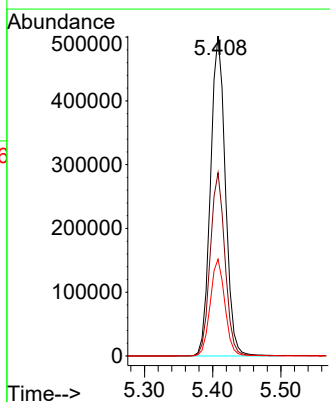
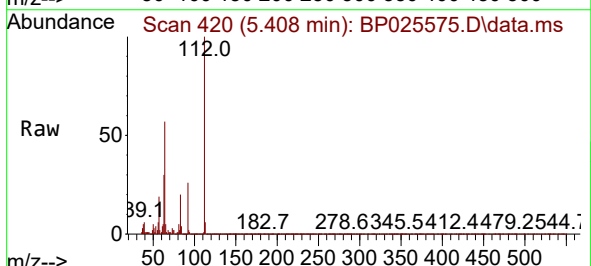
Manual Integrations
APPROVED

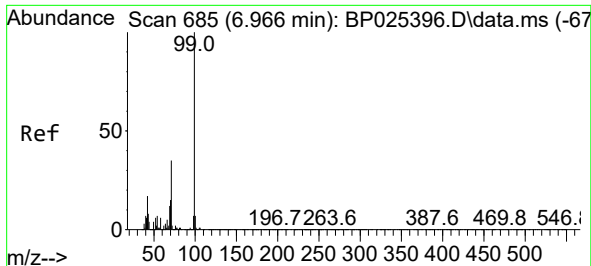
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025



#5
2-Fluorophenol
Concen: 55.650 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

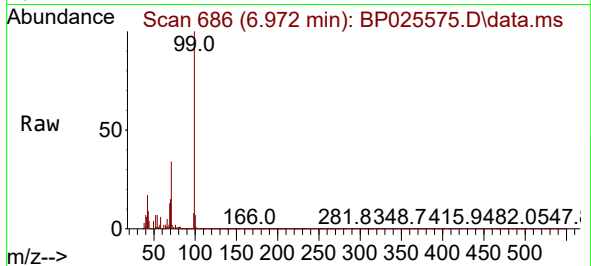
Tgt Ion:112 Resp: 760720
Ion Ratio Lower Upper
112 100
64 57.3 43.8 65.8
63 30.3 22.7 34.1





#7
Phenol-d6
Concen: 55.981 ng
RT: 6.972 min Scan# 685
Delta R.T. 0.006 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

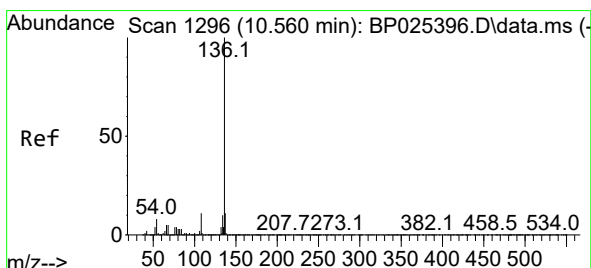
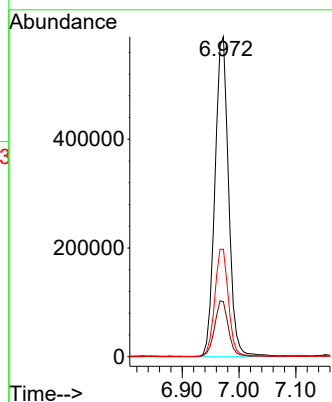
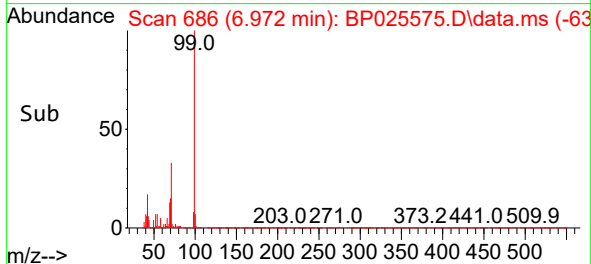
Instrument :
BNA_P
ClientSampleId :
291



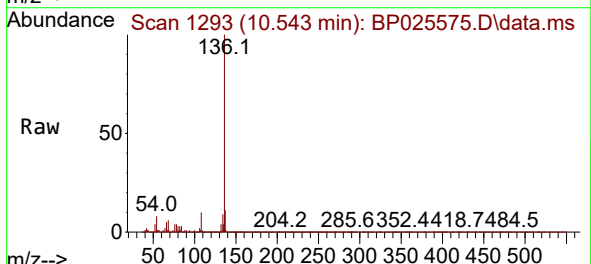
Tgt Ion: 99 Resp: 981110
Ion Ratio Lower Upper
99 100
42 17.2 13.7 20.5
71 33.6 28.2 42.4

Manual Integrations
APPROVED

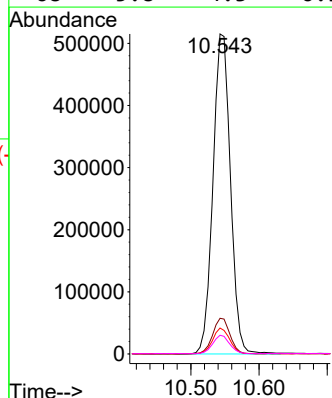
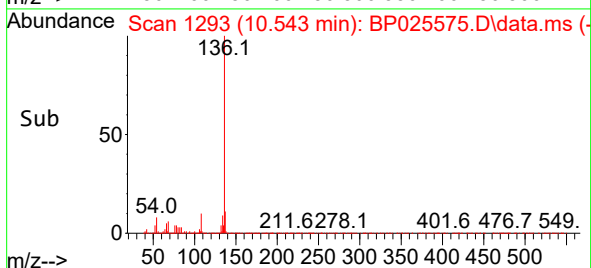
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025

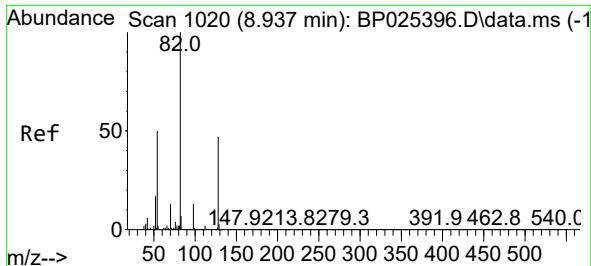


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.543 min Scan# 1293
Delta R.T. -0.017 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55



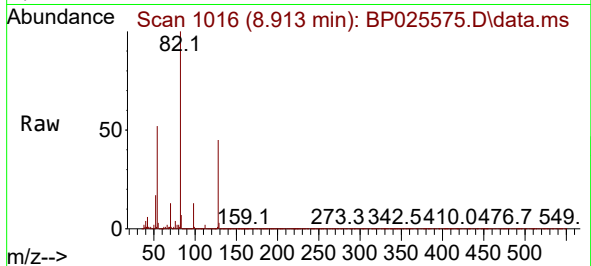
Tgt Ion:136 Resp: 918501
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 8.1 6.0 9.0
68 5.8 4.3 6.5





#23
Nitrobenzene-d5
Concen: 38.517 ng
RT: 8.913 min Scan# 1020
Delta R.T. -0.023 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

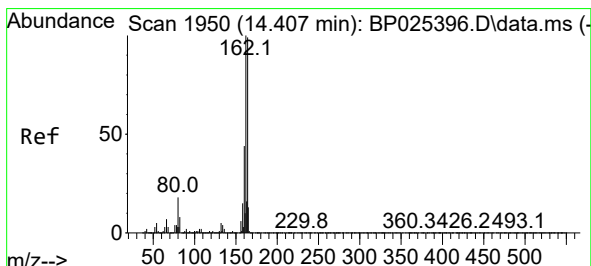
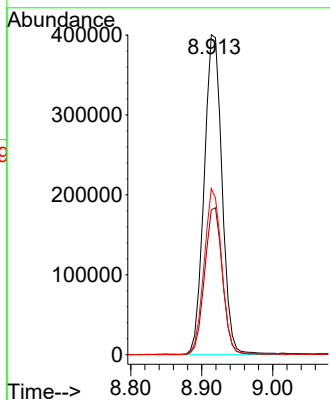
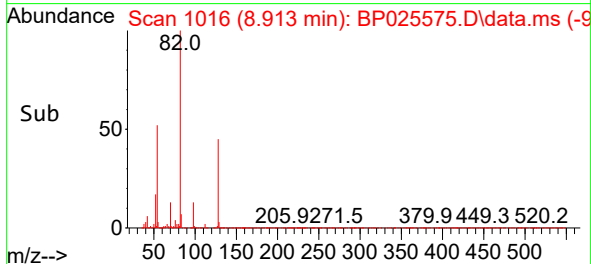
Instrument :
BNA_P
ClientSampleId :
291



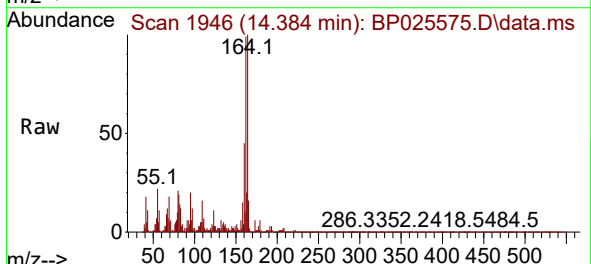
Tgt Ion: 82 Resp: 699375
Ion Ratio Lower Upper
82 100
128 45.3 37.7 56.5
54 51.9 39.8 59.6

Manual Integrations
APPROVED

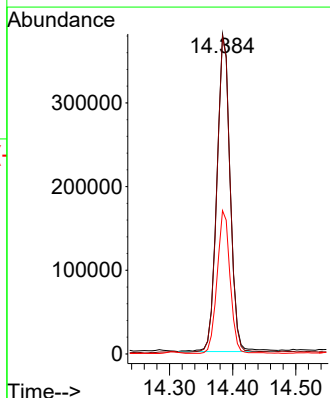
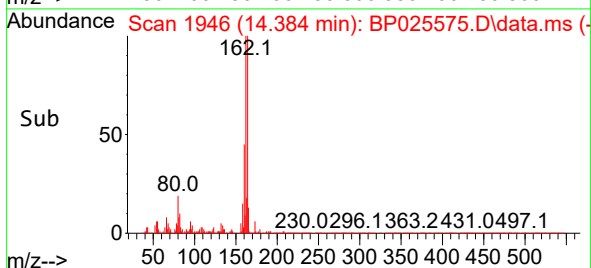
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025

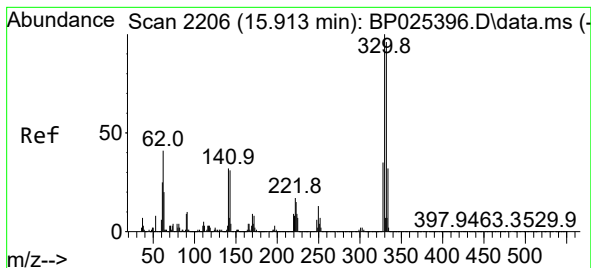


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.384 min Scan# 1946
Delta R.T. -0.023 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55



Tgt Ion:164 Resp: 554930
Ion Ratio Lower Upper
164 100
162 99.2 81.0 121.6
160 44.8 35.4 53.2





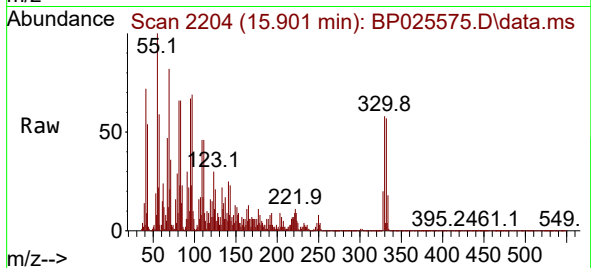
#42
2,4,6-Tribromophenol
Concen: 56.166 ng
RT: 15.901 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291



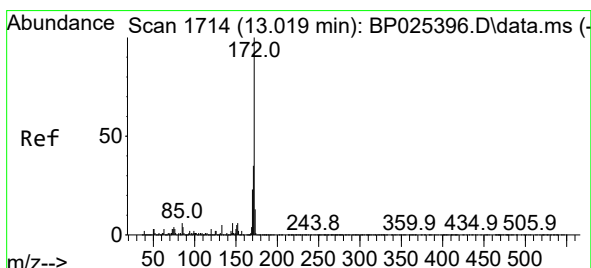
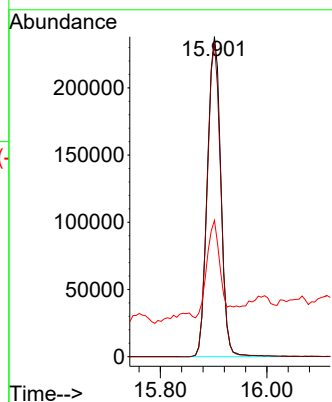
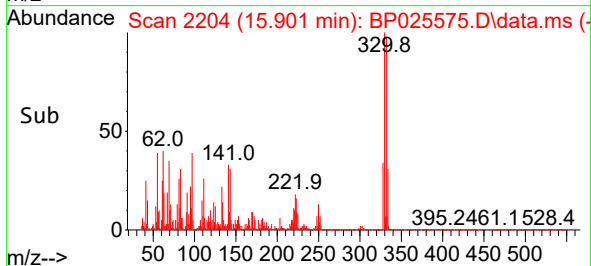
Tgt Ion:330 Resp: 419528
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 30.3 26.6 39.8

Manual Integrations

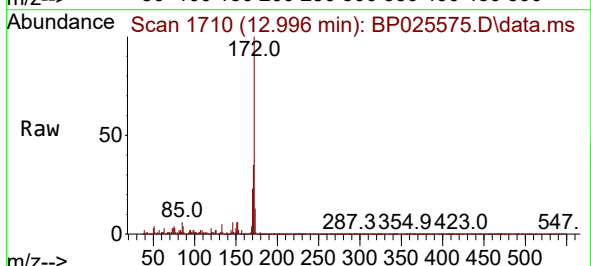
APPROVED

Reviewed By :Rahul Chavli 08/26/2025

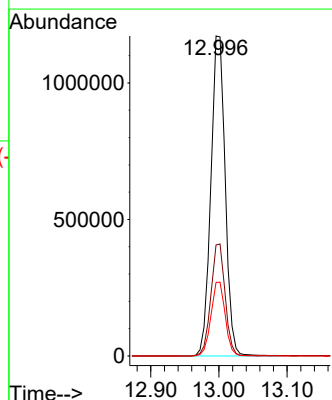
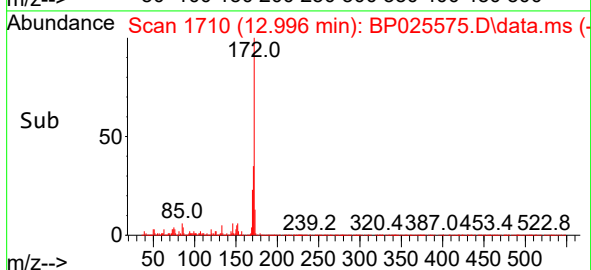
Supervised By :Jagrut Upadhyay 08/26/2025

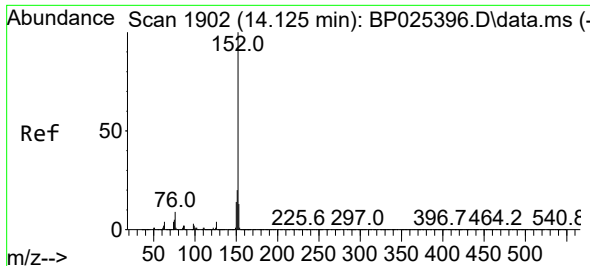


#45
2-Fluorobiphenyl
Concen: 42.337 ng
RT: 12.996 min Scan# 1710
Delta R.T. -0.023 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55



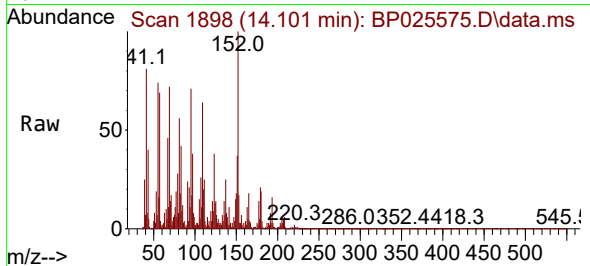
Tgt Ion:172 Resp: 1719072
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.0 18.6 28.0





#49
Acenaphthylene
Concen: 2.446 ng
RT: 14.101 min Scan# 1898
Delta R.T. -0.023 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

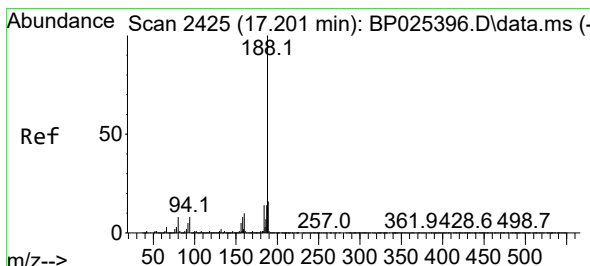
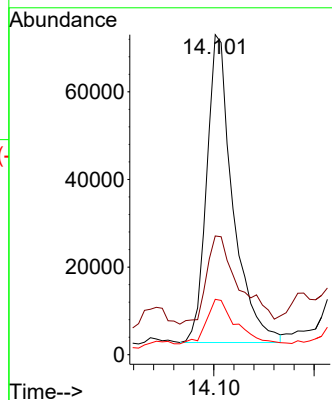
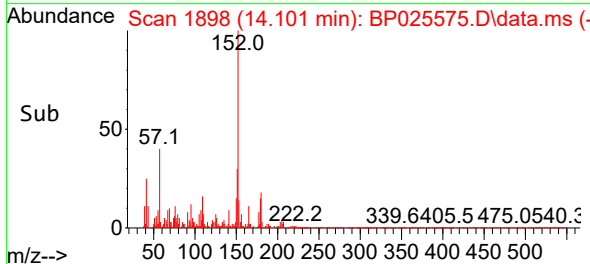
Instrument :
BNA_P
ClientSampleId :
291



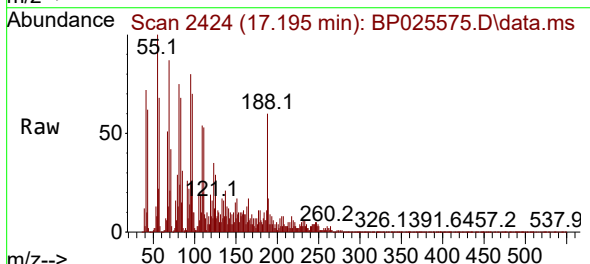
Tgt Ion:152 Resp: 12698
Ion Ratio Lower Upper
152 100
151 37.1 16.0 24.0
153 17.3 10.6 15.8

Manual Integrations
APPROVED

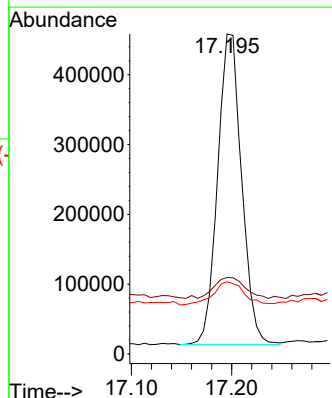
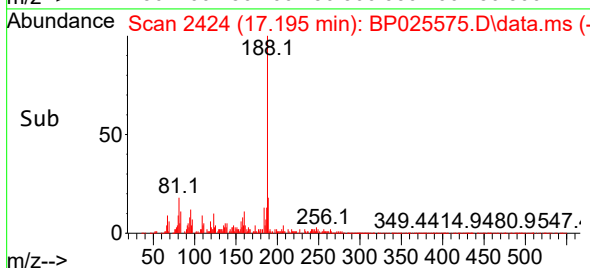
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025

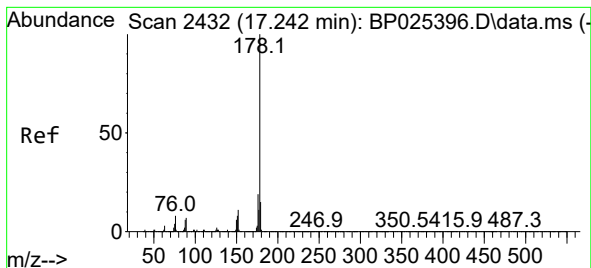


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55



Tgt Ion:188 Resp: 739712
Ion Ratio Lower Upper
188 100
94 23.9 6.6 10.0#
80 22.5 6.7 10.1#





#71

Phenanthrene

Concen: 28.163 ng

RT: 17.242 min Scan# 2432

Delta R.T. 0.000 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

Tgt Ion:178 Resp: 1144400

Ion Ratio Lower Upper

178 100

176 20.4 15.5 23.3

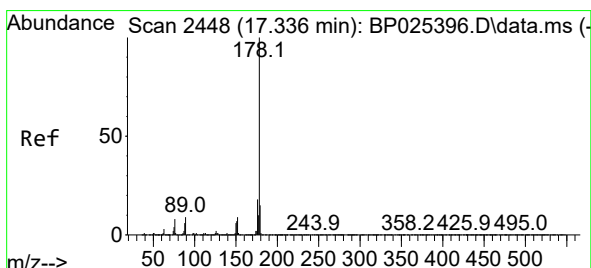
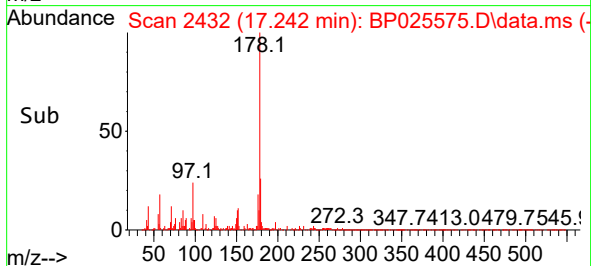
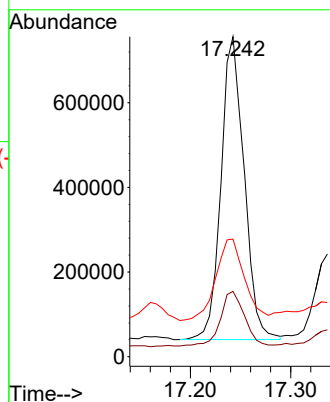
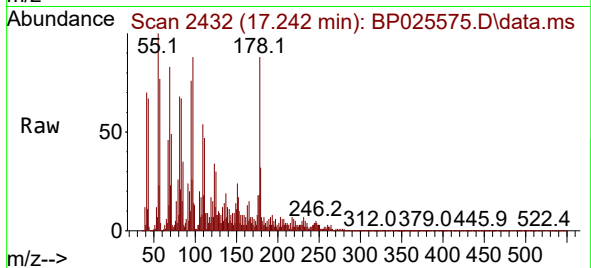
179 36.7 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#72

Anthracene

Concen: 7.617 ng

RT: 17.337 min Scan# 2448

Delta R.T. 0.000 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

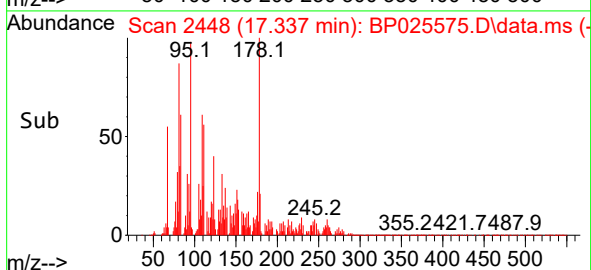
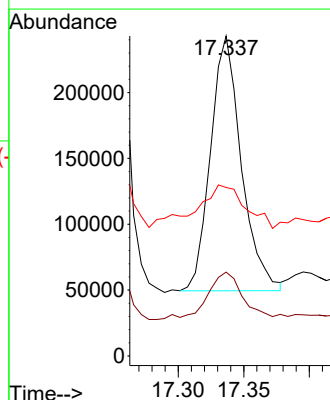
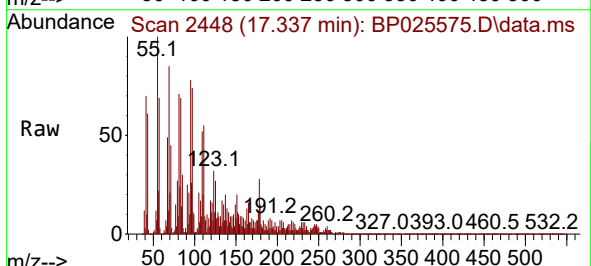
Tgt Ion:178 Resp: 316062

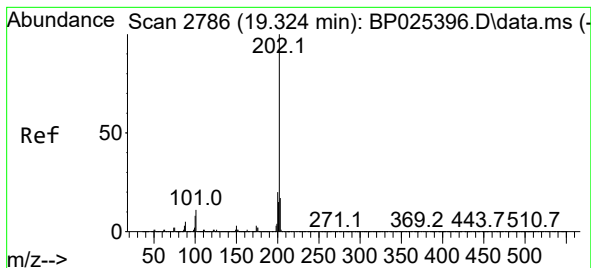
Ion Ratio Lower Upper

178 100

176 26.2 14.7 22.1#

179 52.6 12.2 18.2#





#75

Fluoranthene

Concen: 35.850 ng

RT: 19.342 min Scan# 21

Delta R.T. 0.018 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

Tgt Ion:202 Resp: 173768

Ion Ratio Lower Upper

202 100

101 8.5 0.0 31.1

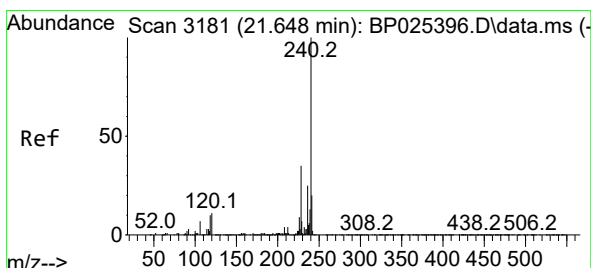
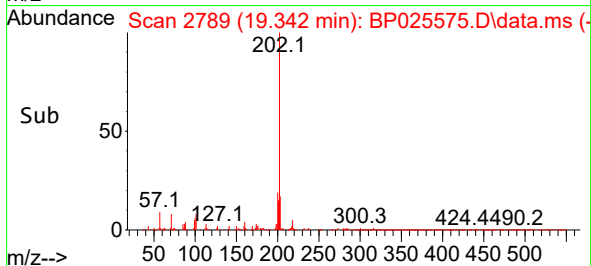
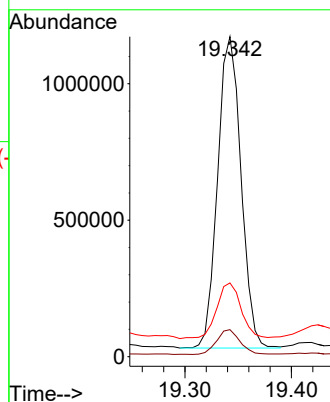
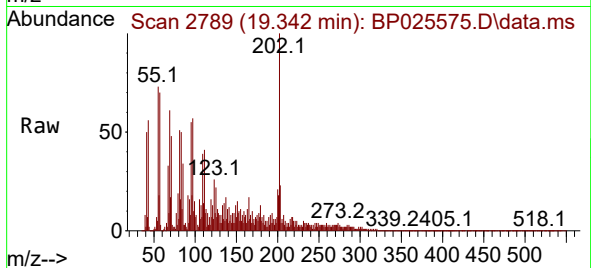
203 23.1 0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.654 min Scan# 3182

Delta R.T. 0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

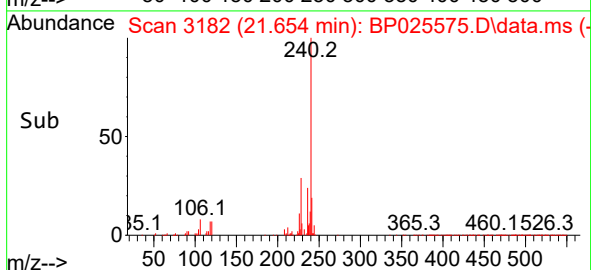
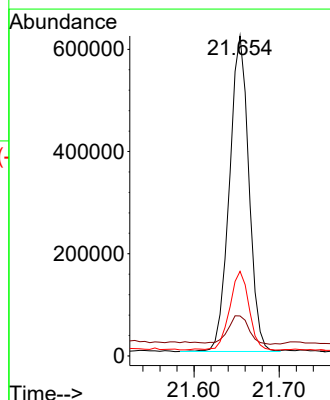
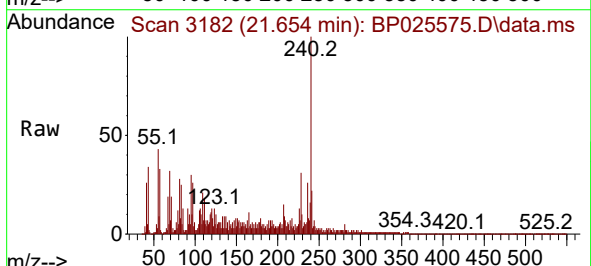
Tgt Ion:240 Resp: 976647

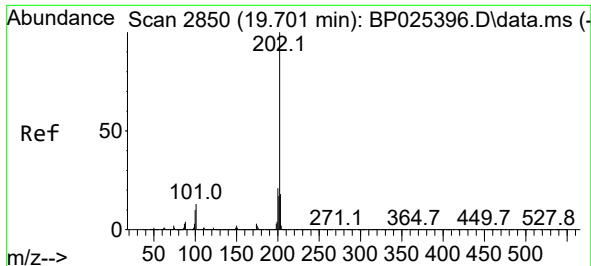
Ion Ratio Lower Upper

240 100

120 12.5 8.9 13.3

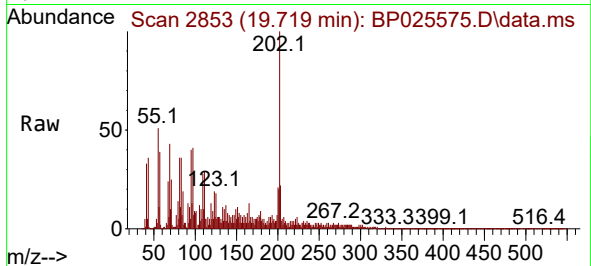
236 26.5 19.8 29.8





#78
Pyrene
Concen: 39.856 ng
RT: 19.719 min Scan# 2853
Delta R.T. 0.018 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

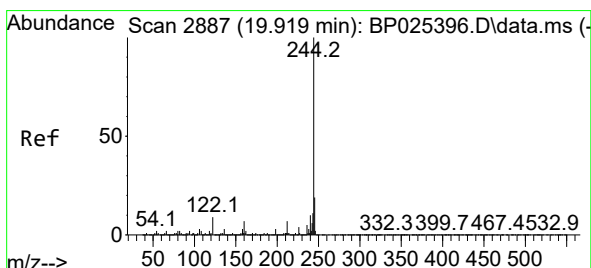
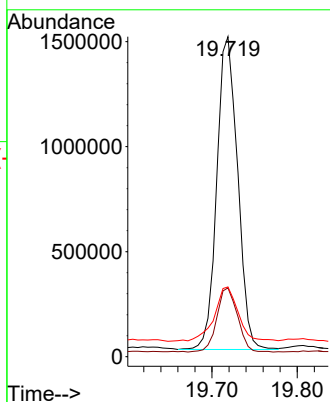
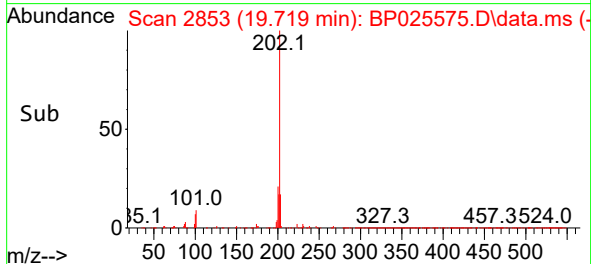
Instrument :
BNA_P
ClientSampleId :
291



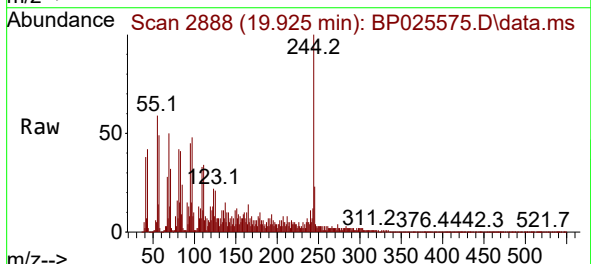
Tgt Ion:202 Resp: 253004
Ion Ratio Lower Upper
202 100
200 21.5 16.9 25.3
203 21.8 14.2 21.2

Manual Integrations
APPROVED

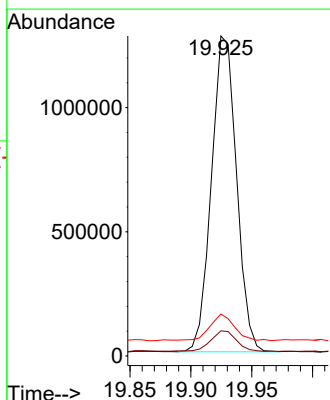
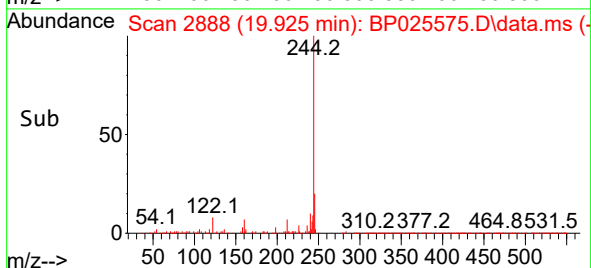
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025

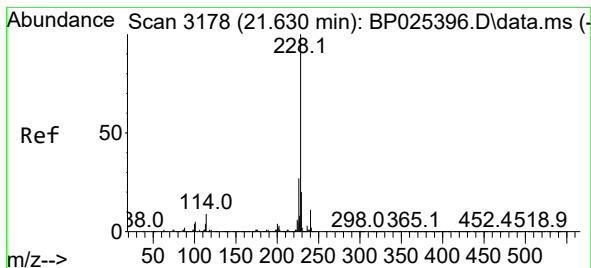


#79
Terphenyl-d14
Concen: 34.189 ng
RT: 19.925 min Scan# 2888
Delta R.T. 0.006 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55



Tgt Ion:244 Resp: 1825028
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.6
122 13.1 7.4 11.2





#81

Benzo(a)anthracene

Concen: 24.067 ng

RT: 21.630 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

Tgt Ion:228 Resp: 155015

Ion Ratio Lower Upper

228 100

226 27.5 21.7 32.5

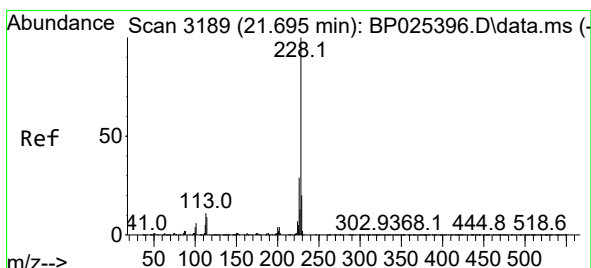
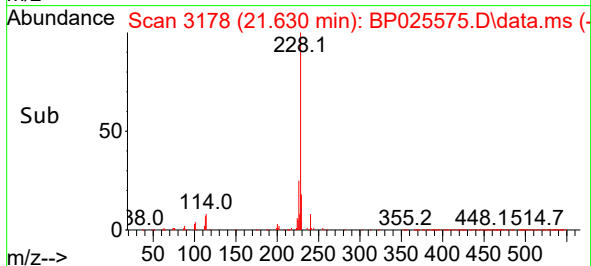
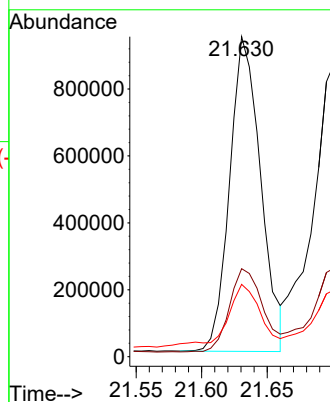
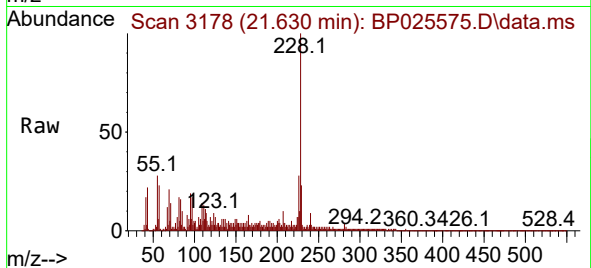
229 22.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#83

Chrysene

Concen: 26.757 ng

RT: 21.701 min Scan# 3190

Delta R.T. 0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

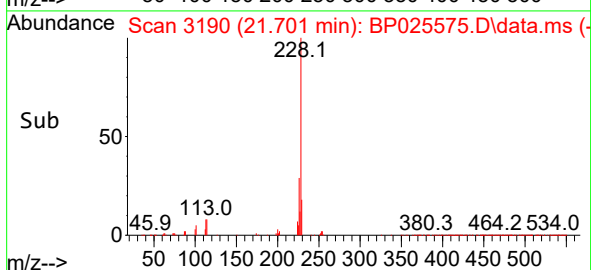
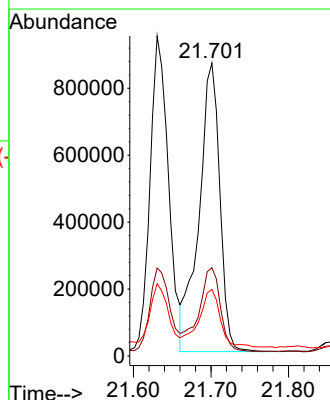
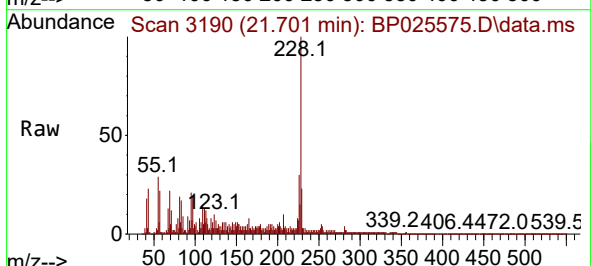
Tgt Ion:228 Resp: 1614010

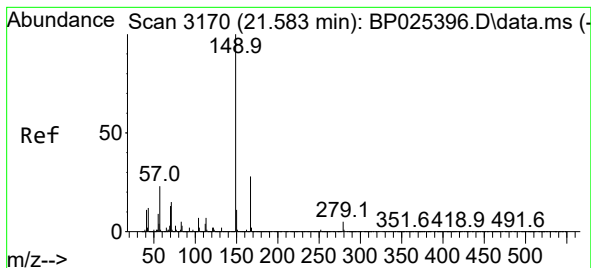
Ion Ratio Lower Upper

228 100

226 30.2 23.2 34.8

229 22.7 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.700 ng

RT: 21.554 min Scan# 3170

Delta R.T. -0.029 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

Tgt Ion:149 Resp: 156709

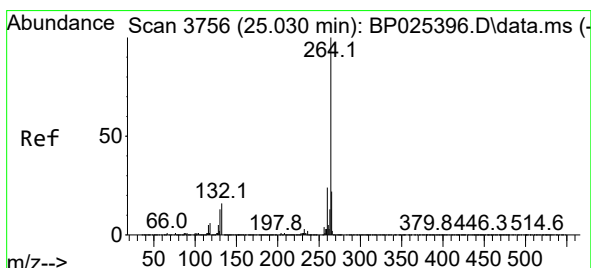
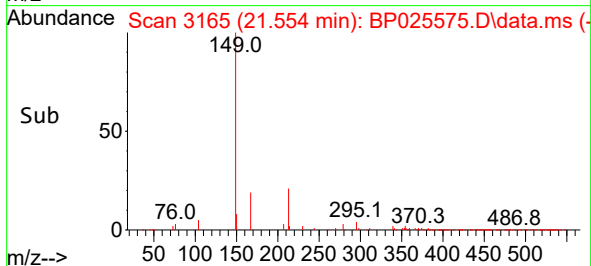
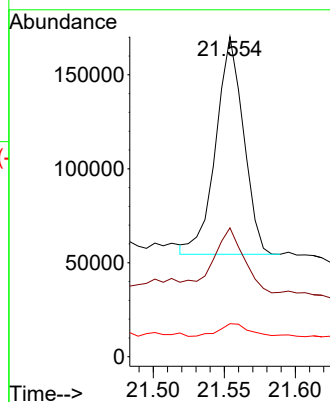
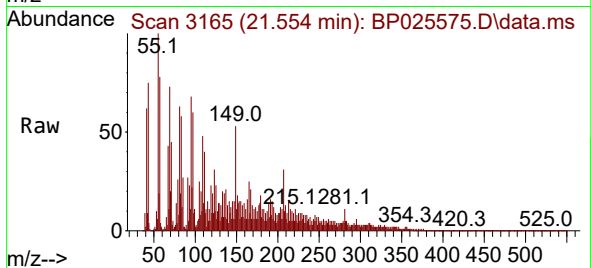
Ion	Ratio	Lower	Upper
149	100		
167	40.3	22.1	33.1
279	10.3	3.8	5.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.995 min Scan# 3750

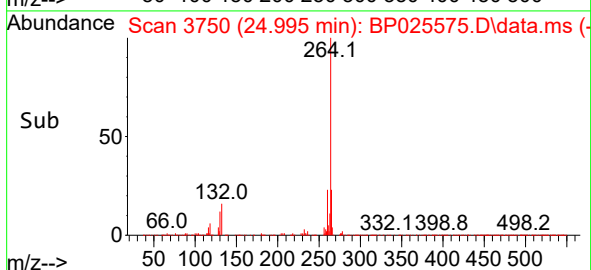
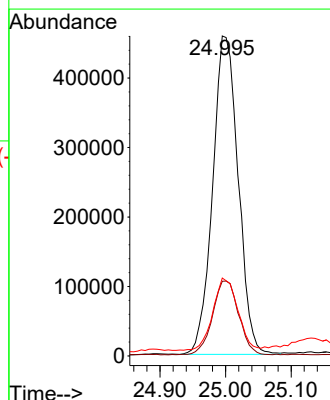
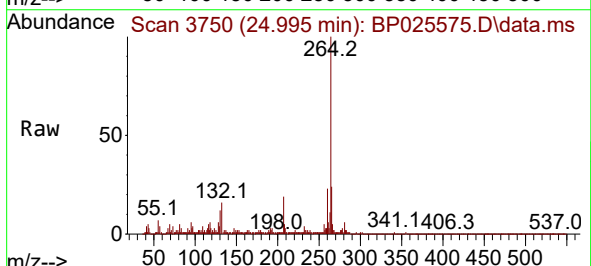
Delta R.T. -0.035 min

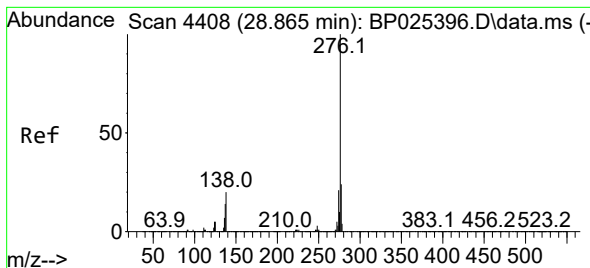
Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Tgt Ion:264 Resp: 1240532

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.3	28.9
265	24.4	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.262 ng

RT: 28.836 min Scan# 4408

Delta R.T. -0.029 min

Lab File: BP025575.D

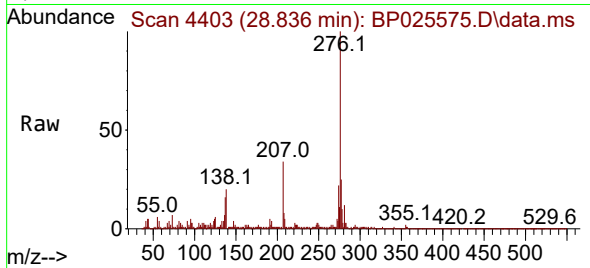
Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291



Tgt Ion:276 Resp: 111558

Ion Ratio Lower Upper

276 100

138 21.2 12.9 19.3

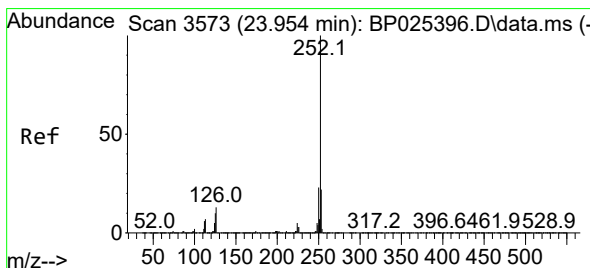
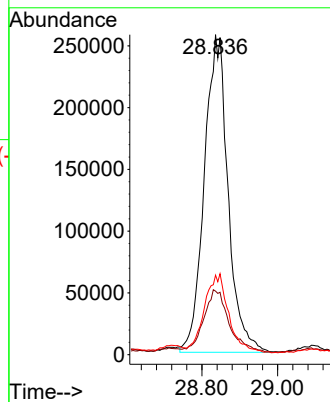
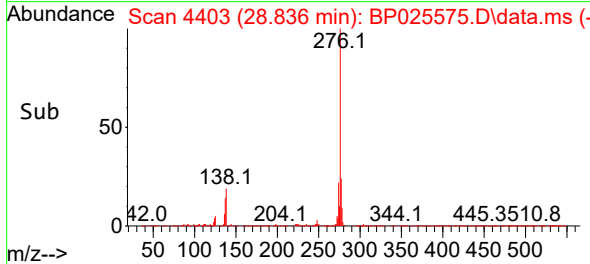
277 25.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#88

Benzo(b)fluoranthene

Concen: 29.472 ng

RT: 23.948 min Scan# 3572

Delta R.T. -0.006 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

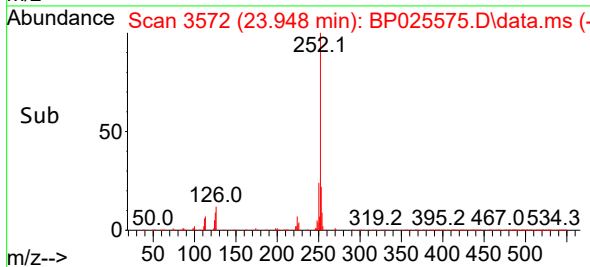
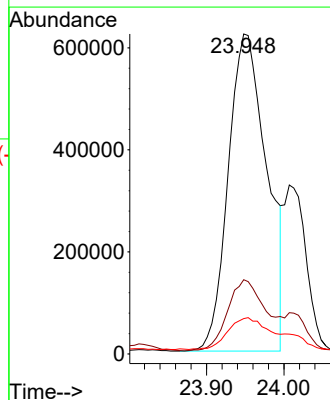
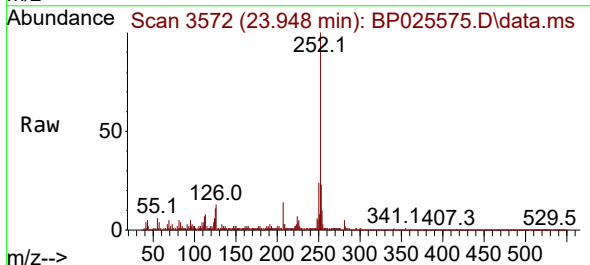
Tgt Ion:252 Resp: 2155920

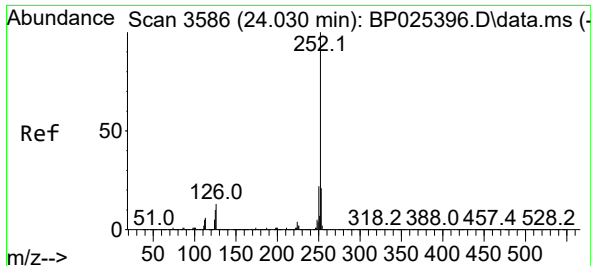
Ion Ratio Lower Upper

252 100

253 23.2 17.7 26.5

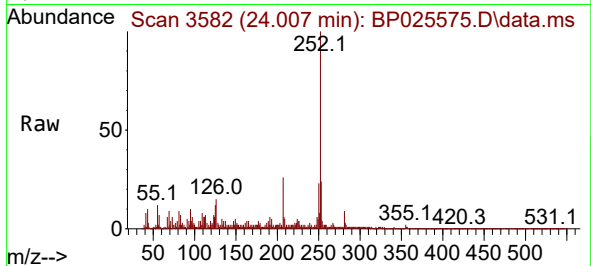
125 11.1 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 8.932 ng m
RT: 24.007 min Scan# 31
Delta R.T. -0.023 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

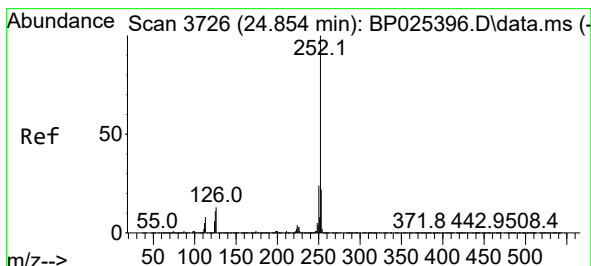
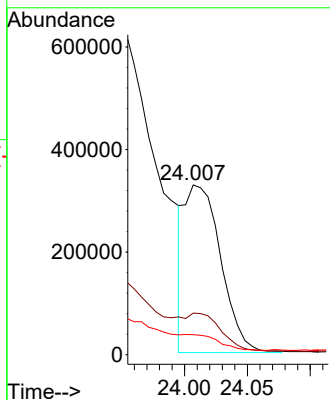
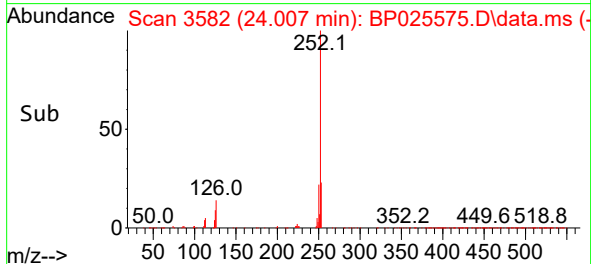
Instrument :
BNA_P
ClientSampleId :
291



Tgt Ion:252 Resp: 65382
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 11.8 7.8 11.6

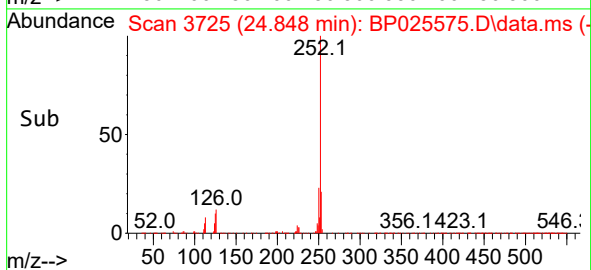
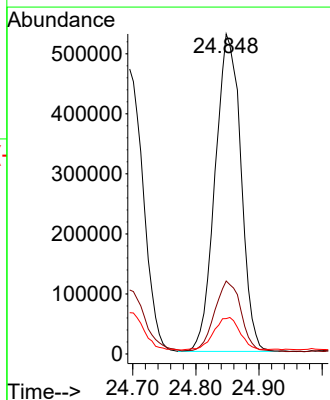
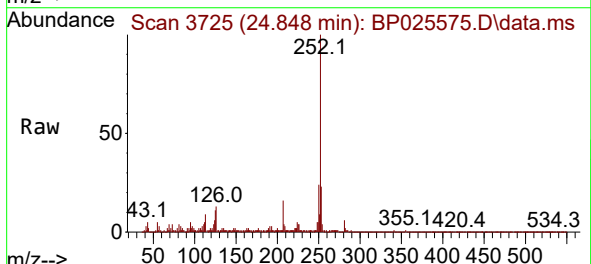
Manual Integrations
APPROVED

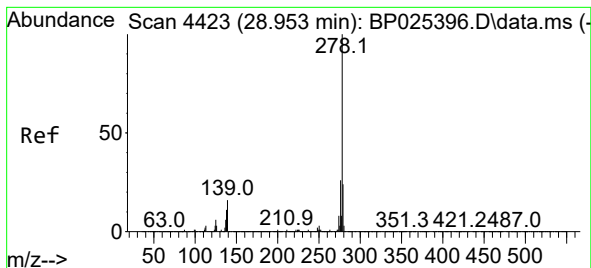
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025



#90
Benzo(a)pyrene
Concen: 20.994 ng
RT: 24.848 min Scan# 3725
Delta R.T. -0.006 min
Lab File: BP025575.D
Acq: 25 Aug 2025 21:55

Tgt Ion:252 Resp: 1494931
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.1 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 4.661 ng m

RT: 28.895 min Scan# 4423

Delta R.T. -0.059 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Instrument :

BNA_P

ClientSampleId :

291

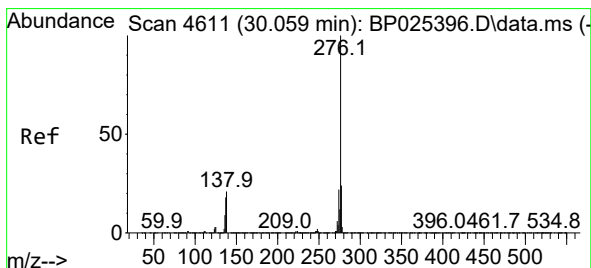
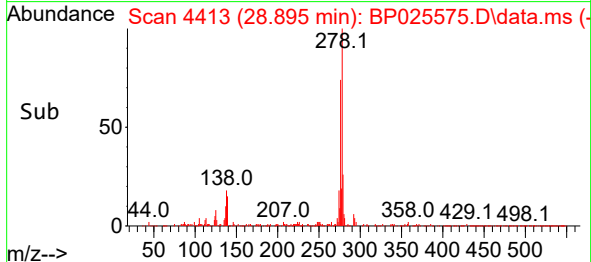
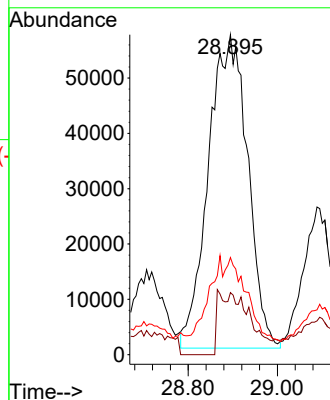
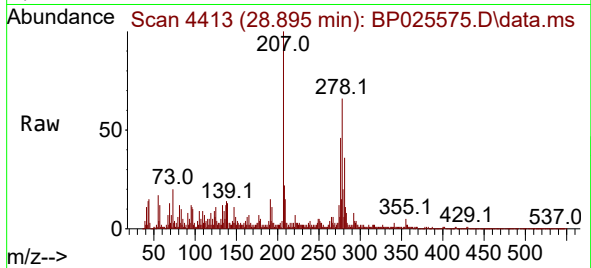
Tgt Ion:278 Resp: 346554
 Ion Ratio Lower Upper
 278 100
 139 19.4 13.0 19.4
 279 30.4 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#92

Benzo(g,h,i)perylene

Concen: 16.263 ng

RT: 30.024 min Scan# 4605

Delta R.T. -0.035 min

Lab File: BP025575.D

Acq: 25 Aug 2025 21:55

Tgt Ion:276 Resp: 1188529
 Ion Ratio Lower Upper
 276 100
 277 23.8 19.4 29.0
 138 21.8 16.7 25.1

