

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
 Data File : BP025944.D
 Acq On : 07 Oct 2025 15:55
 Operator : RC/JU
 Sample : Q3295-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-02-10062025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/08/2025
 Supervised By :Jagrut Upadhyay 10/08/2025

Quant Time: Oct 07 16:31:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 19:16:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.731	152	154688	20.000	ng	-0.03
21) Naphthalene-d8	10.490	136	589414	20.000	ng	-0.04
39) Acenaphthene-d10	14.349	164	388969	20.000	ng	-0.03
64) Phenanthrene-d10	17.154	188	795908	20.000	ng	-0.03
76) Chrysene-d12	21.595	240	865358	20.000	ng	-0.05
86) Perylene-d12	24.960	264	990370	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.373	112	655649	68.391	ng	-0.01
7) Phenol-d6	6.937	99	797332	62.572	ng	-0.01
23) Nitrobenzene-d5	8.872	82	505291	37.815	ng	-0.03
42) 2,4,6-Tribromophenol	15.872	330	340960	70.278	ng	-0.04
45) 2-Fluorobiphenyl	12.954	172	1158809	39.668	ng	-0.04
79) Terphenyl-d14	19.872	244	1973168	41.020	ng	-0.04
Target Compounds						Qvalue
49) Acenaphthylene	14.072	152	91736	2.463	ng	97
71) Phenanthrene	17.195	178	565660	12.529	ng	100
72) Anthracene	17.301	178	155372	3.392	ng	98
75) Fluoranthene	19.284	202	1630994	30.121	ng	100
78) Pyrene	19.660	202	1560120	27.019	ng	99
81) Benzo(a)anthracene	21.578	228	985050	16.627	ng	99
83) Chrysene	21.642	228	979177	17.338	ng	97
84) Bis(2-ethylhexyl)phtha...	21.501	149	219298	5.921	ng	99
87) Indeno(1,2,3-cd)pyrene	28.771	276	761005	10.566	ng	# 82
88) Benzo(b)fluoranthene	23.901	252	1411734	23.310	ng	98
89) Benzo(k)fluoranthene	23.942	252	499269m	8.079	ng	
90) Benzo(a)pyrene	24.789	252	1019962	17.197	ng	96
91) Dibenzo(a,h)anthracene	28.801	278	193895	3.290	ng	# 77
92) Benzo(g,h,i)perylene	29.965	276	775116	13.373	ng	98

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

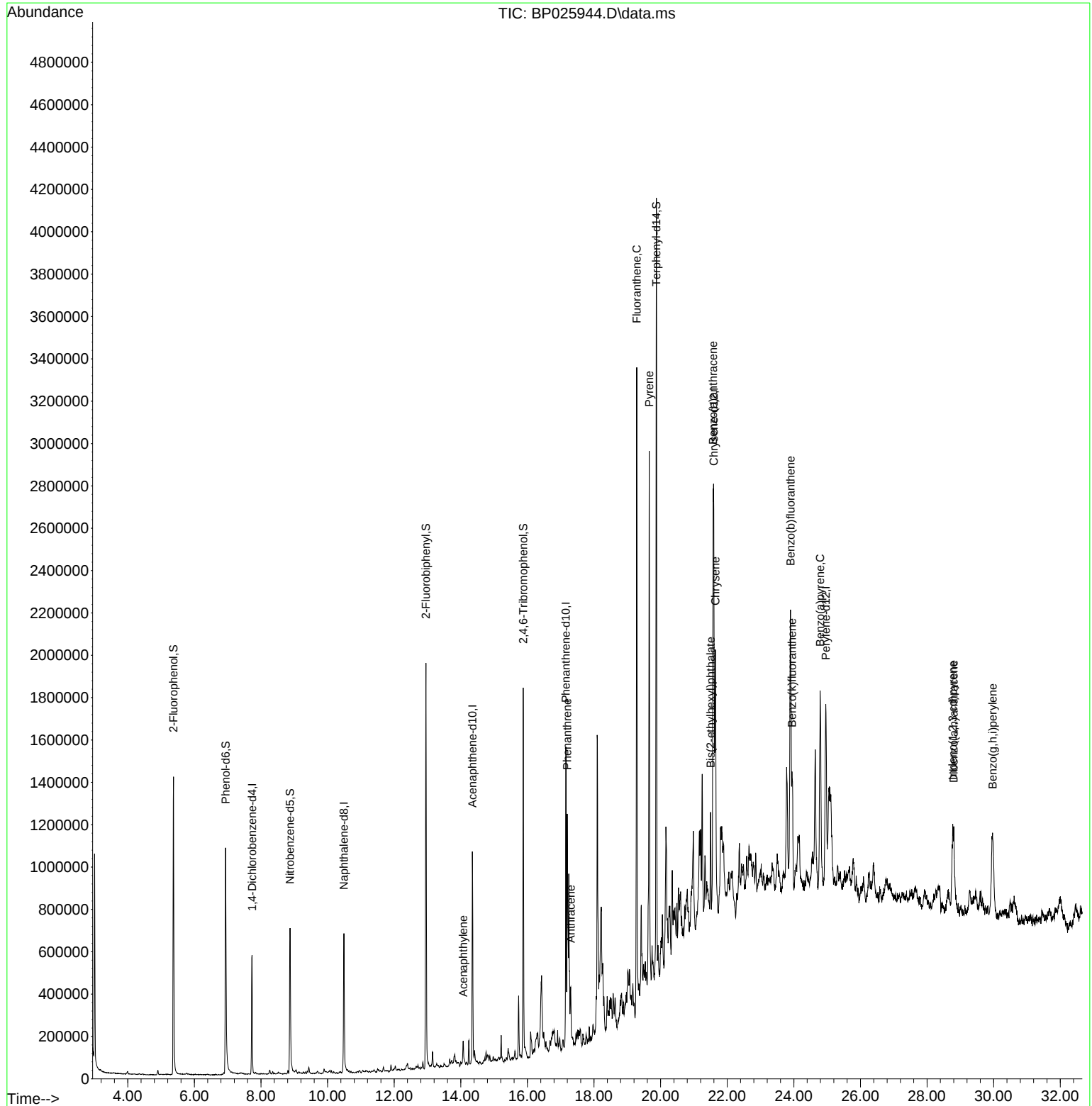
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
Data File : BP025944.D
Acq On : 07 Oct 2025 15:55
Operator : RC/JU
Sample : Q3295-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

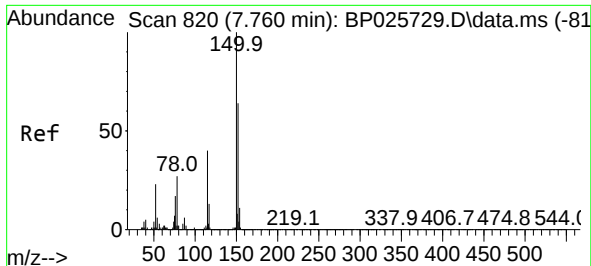
Instrument :
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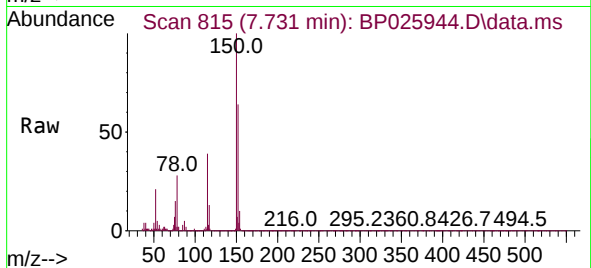
Quant Time: Oct 07 16:31:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 19:16:54 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.731 min Scan# 81
Delta R.T. -0.029 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

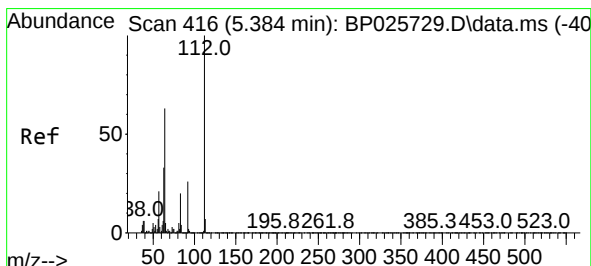
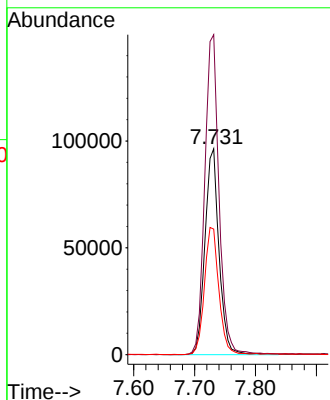
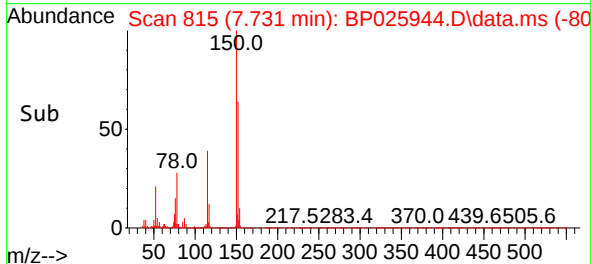
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025



Tgt Ion:152 Resp: 154688
Ion Ratio Lower Upper
152 100
150 155.4 124.3 186.5
115 61.0 50.3 75.5

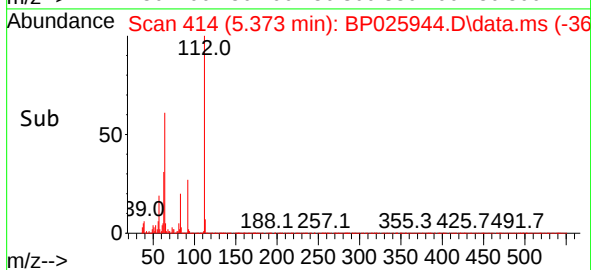
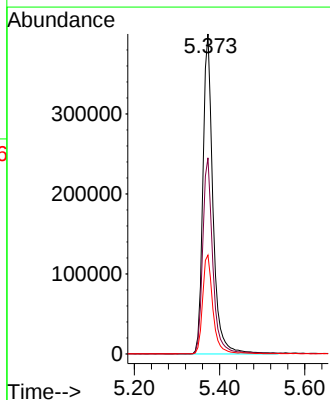
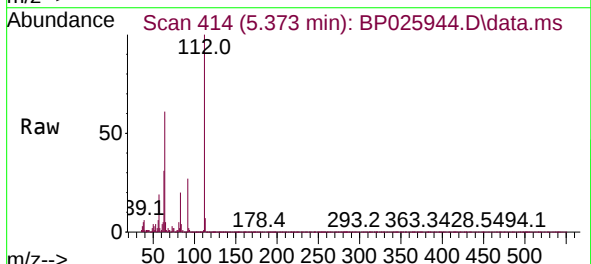
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#5
2-Fluorophenol
Concen: 68.391 ng
RT: 5.373 min Scan# 414
Delta R.T. -0.012 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

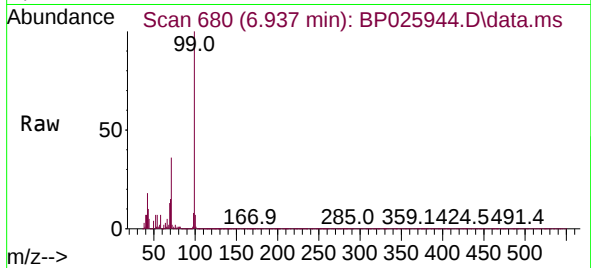
Tgt Ion:112 Resp: 655649
Ion Ratio Lower Upper
112 100
64 61.3 50.2 75.4
63 30.9 26.7 40.1





#7
Phenol-d6
Concen: 62.572 ng
RT: 6.937 min Scan# 682
Delta R.T. -0.012 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

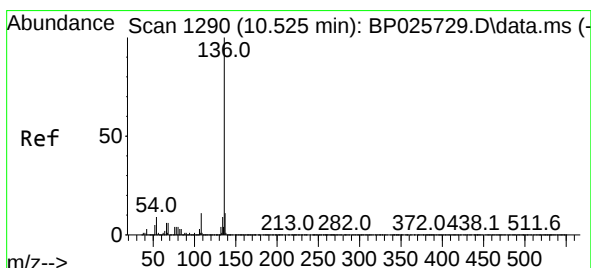
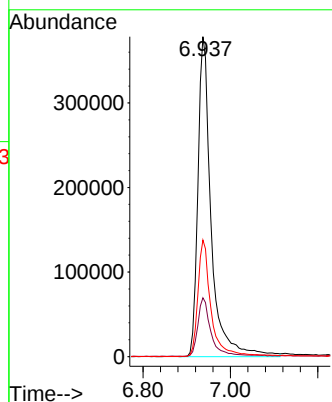
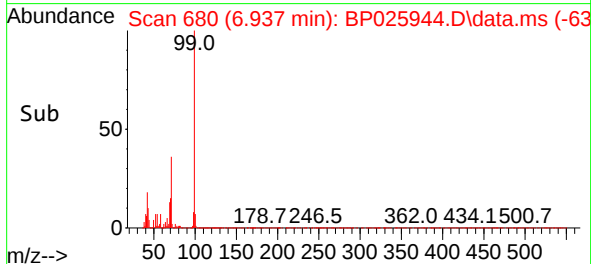
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025



Tgt Ion: 99 Resp: 797332
Ion Ratio Lower Upper
99 100
42 18.4 15.6 23.4
71 36.4 28.6 43.0

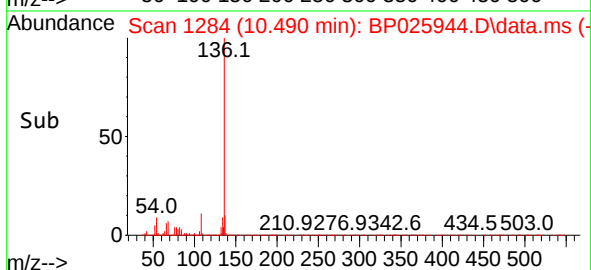
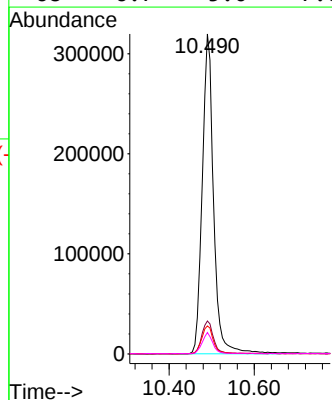
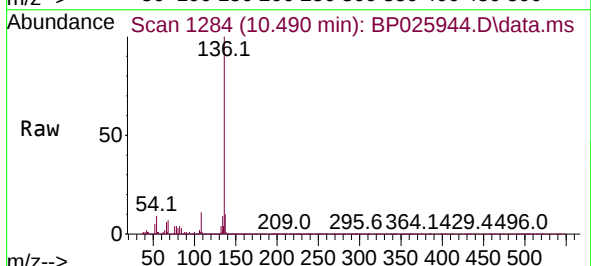
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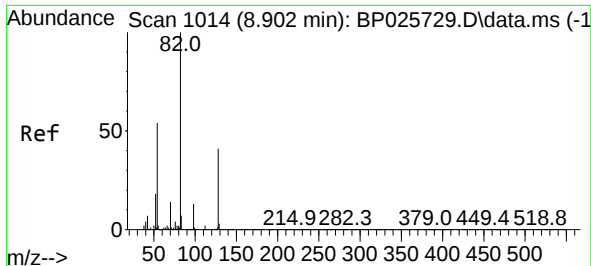
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.490 min Scan# 1284
Delta R.T. -0.035 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

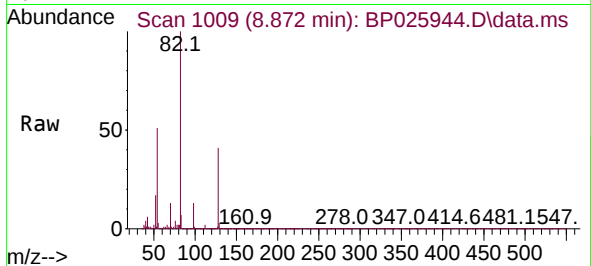
Tgt Ion:136 Resp: 589414
Ion Ratio Lower Upper
136 100
137 10.3 8.7 13.1
54 8.7 7.5 11.3
68 6.7 5.0 7.6





#23
Nitrobenzene-d5
Concen: 37.815 ng
RT: 8.872 min Scan# 1009
Delta R.T. -0.029 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

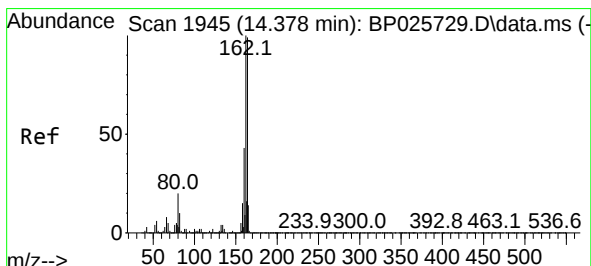
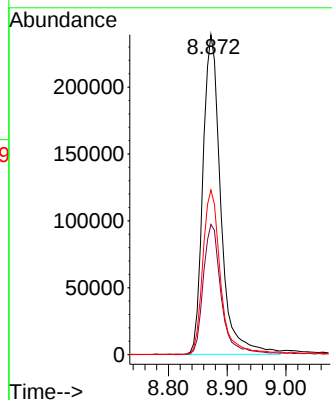
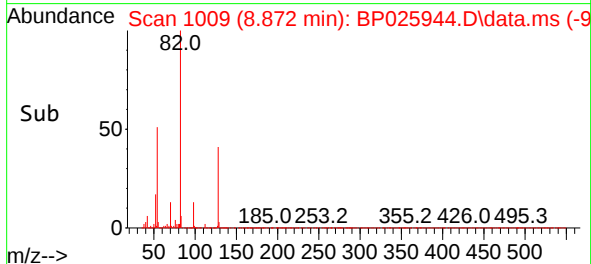
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025



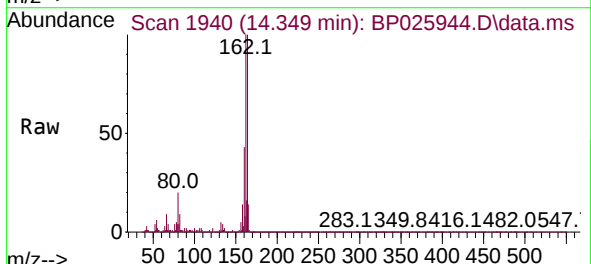
Tgt Ion: 82 Resp: 505291
Ion Ratio Lower Upper
82 100
128 40.7 32.9 49.3
54 51.4 43.4 65.2

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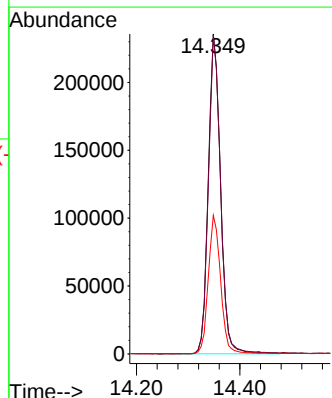
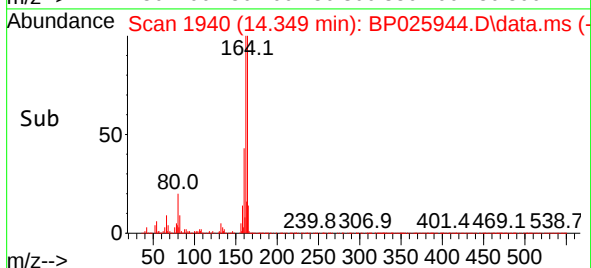
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025

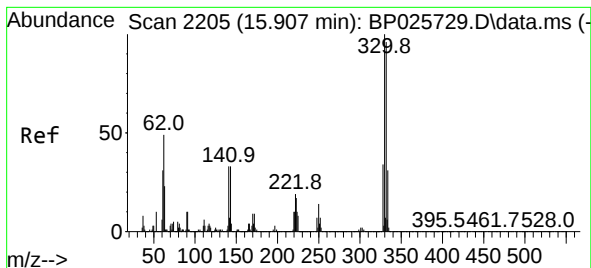


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.349 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55



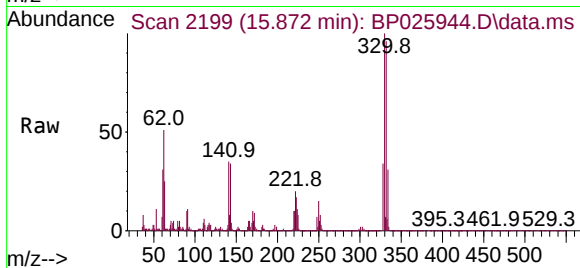
Tgt Ion:164 Resp: 388969
Ion Ratio Lower Upper
164 100
162 99.7 80.6 120.8
160 43.3 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 70.278 ng
RT: 15.872 min Scan# 2119
Delta R.T. -0.035 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

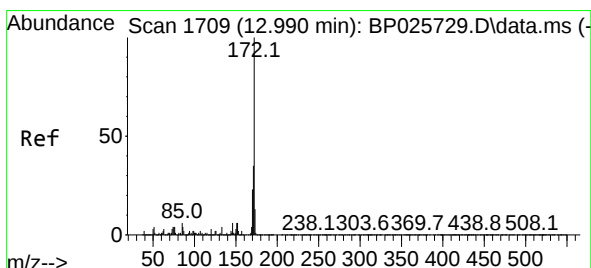
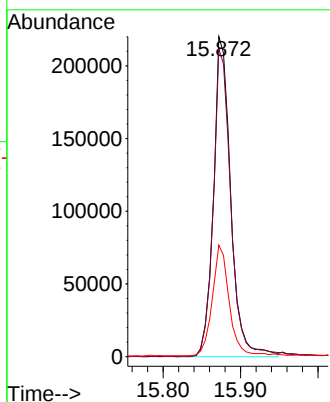
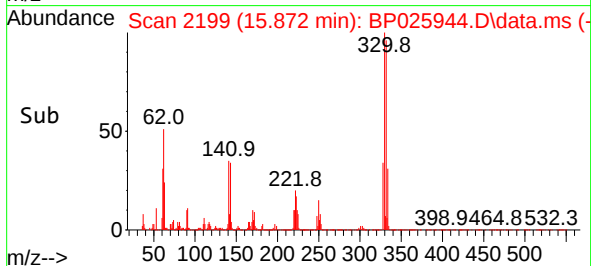
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025



Tgt Ion:330 Resp: 340960
Ion Ratio Lower Upper
330 100
332 99.1 76.9 115.3
141 34.2 31.0 46.4

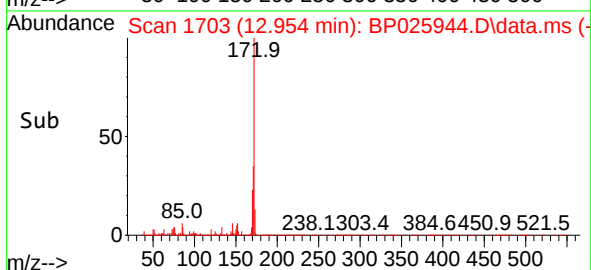
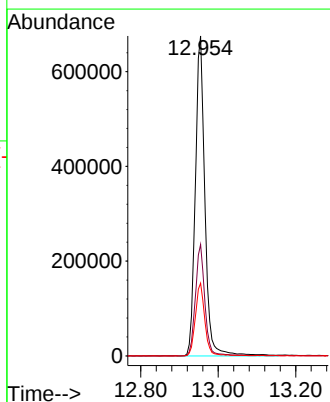
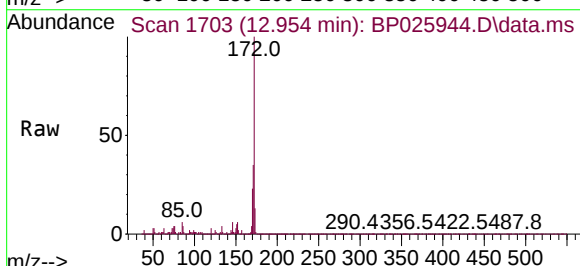
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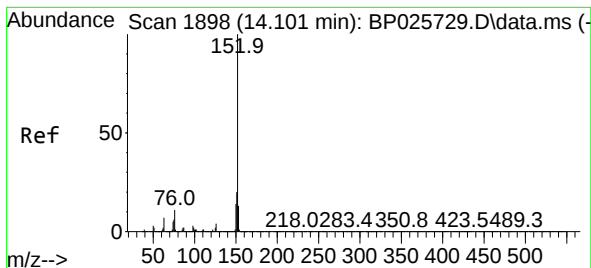
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#45
2-Fluorobiphenyl
Concen: 39.668 ng
RT: 12.954 min Scan# 1703
Delta R.T. -0.035 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:172 Resp: 1158809
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 22.7 18.6 27.8





#49

Acenaphthylene

Concen: 2.463 ng

RT: 14.072 min Scan# 1898

Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

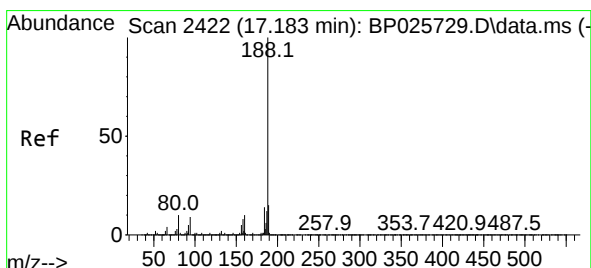
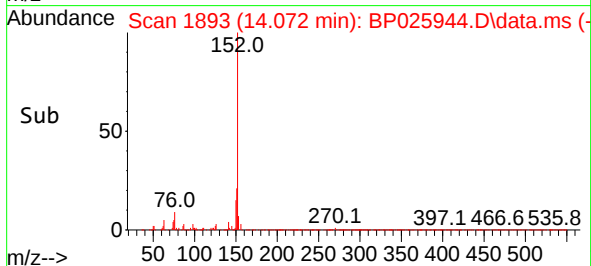
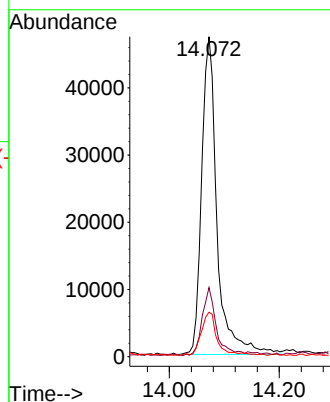
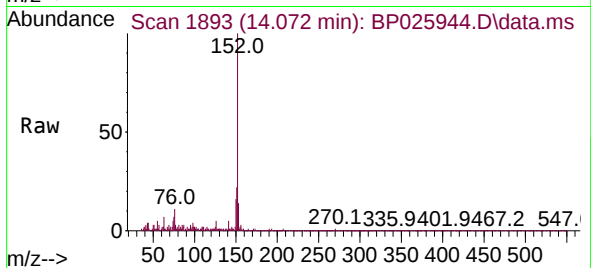
Tgt Ion:	152	Resp:	91736
Ion Ratio	Lower	Upper	
152	100		
151	21.6	15.8	23.6
153	13.9	10.5	15.7

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

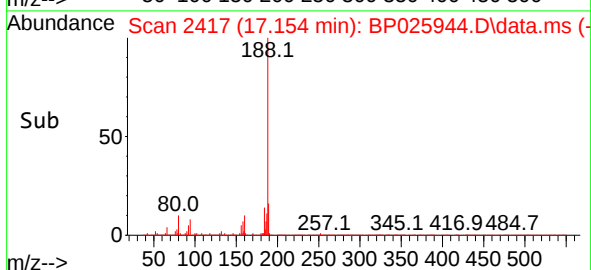
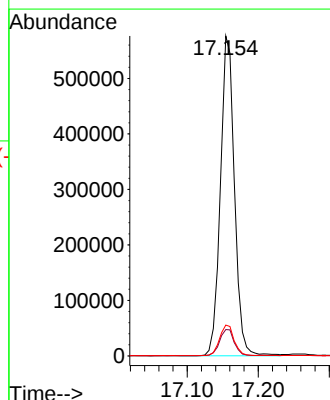
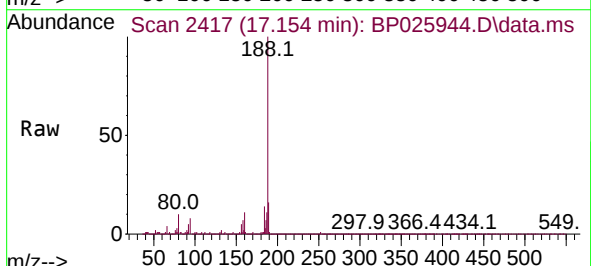
RT: 17.154 min Scan# 2417

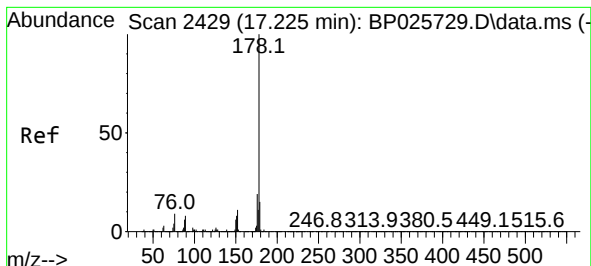
Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Tgt Ion:	188	Resp:	795908
Ion Ratio	Lower	Upper	
188	100		
94	8.2	7.4	11.0
80	9.6	7.7	11.5





#71

Phenanthrene

Concen: 12.529 ng

RT: 17.195 min Scan# 2429

Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

Tgt Ion:178 Resp: 565660

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

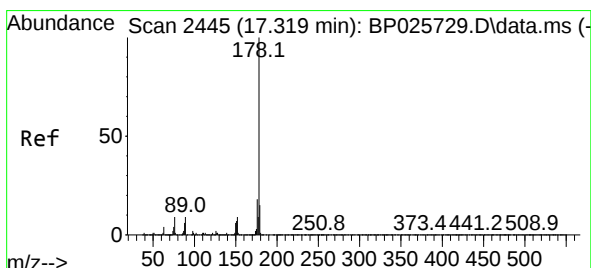
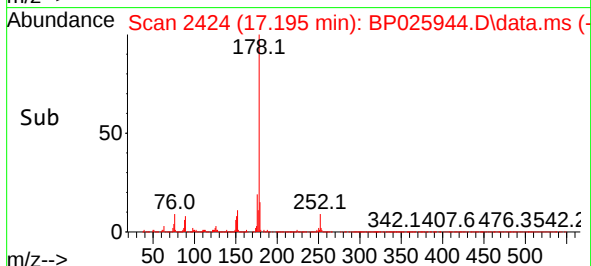
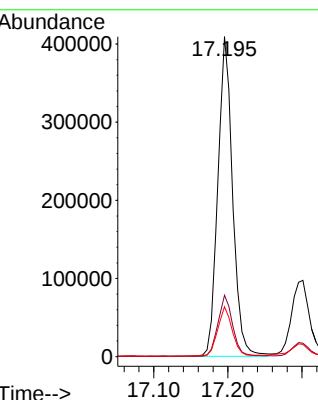
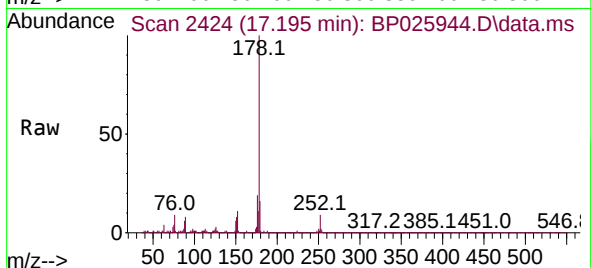
179 15.6 12.2 18.4

Manual Integrations

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#72

Anthracene

Concen: 3.392 ng

RT: 17.301 min Scan# 2442

Delta R.T. -0.017 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

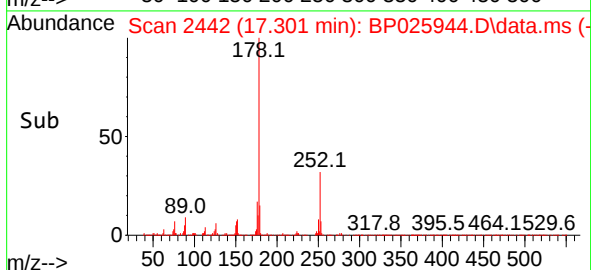
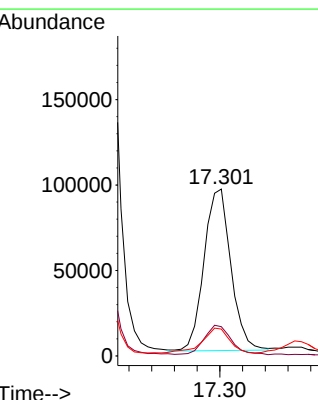
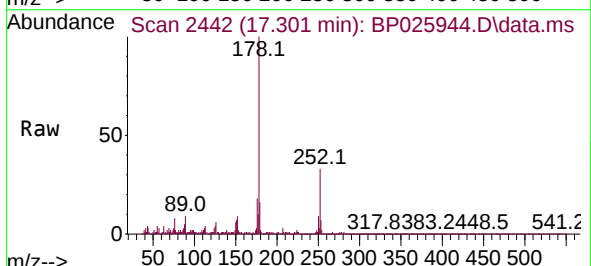
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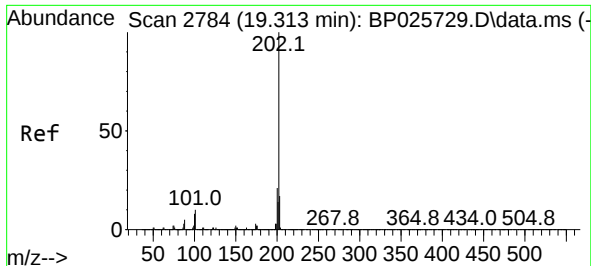
Ion Ratio Lower Upper

178 100

176 17.5 14.8 22.2

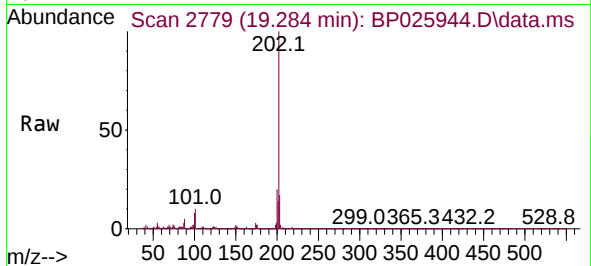
179 16.1 12.2 18.4





#75
Fluoranthene
Concen: 30.121 ng
RT: 19.284 min Scan# 21
Delta R.T. -0.029 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

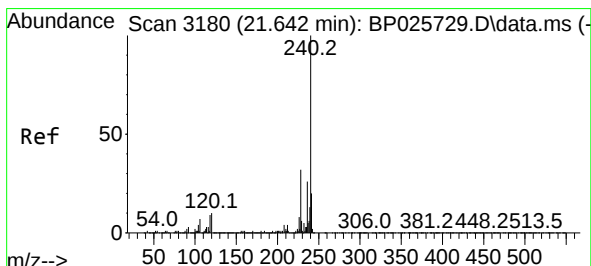
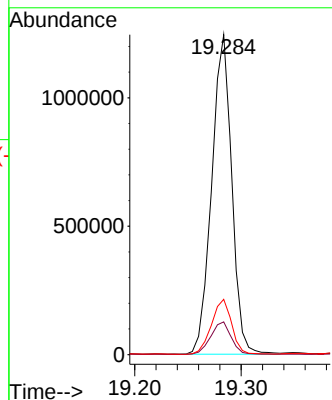
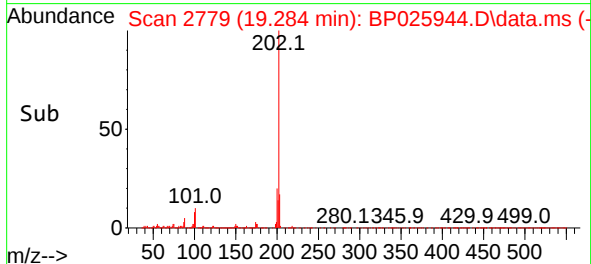
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025



Tgt Ion:202 Resp: 1630994
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.4
203 17.3 0.0 37.4

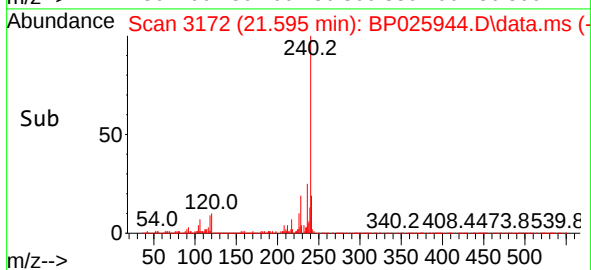
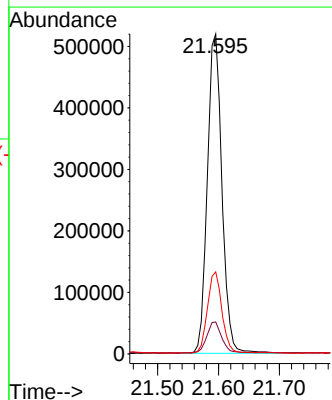
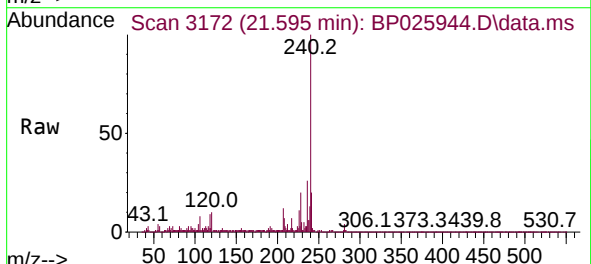
Manual Integrations
APPROVED

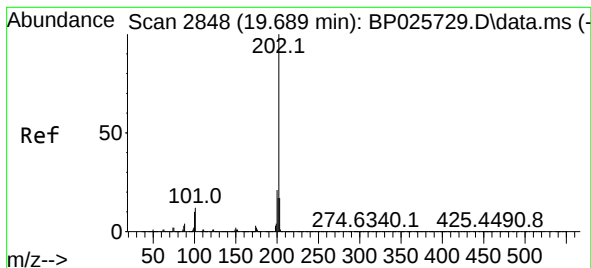
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3172
Delta R.T. -0.047 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:240 Resp: 865358
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.6 20.7 31.1





#78

Pyrene

Concen: 27.019 ng

RT: 19.660 min Scan# 2843

Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

Tgt Ion:202 Resp: 1560120

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

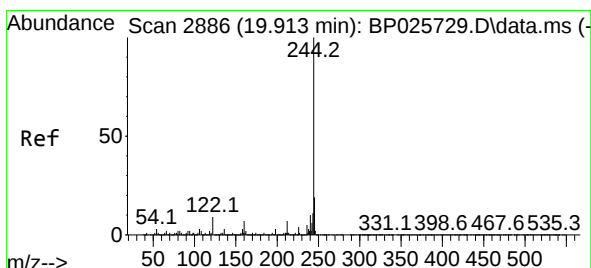
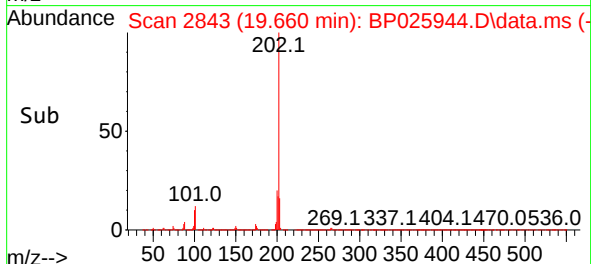
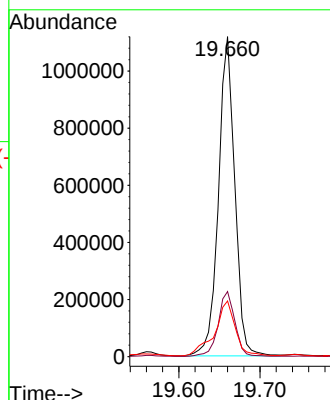
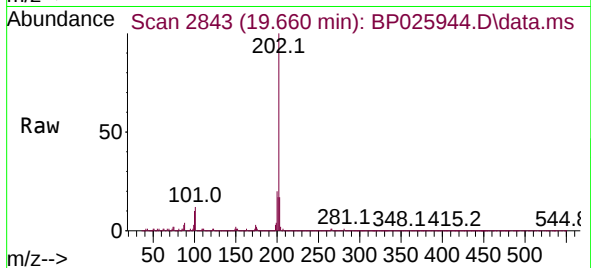
203 17.4 13.9 20.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#79

Terphenyl-d14

Concen: 41.020 ng

RT: 19.872 min Scan# 2879

Delta R.T. -0.041 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

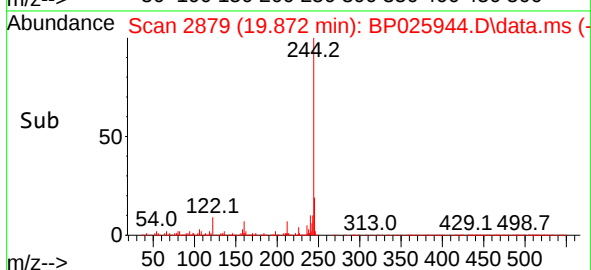
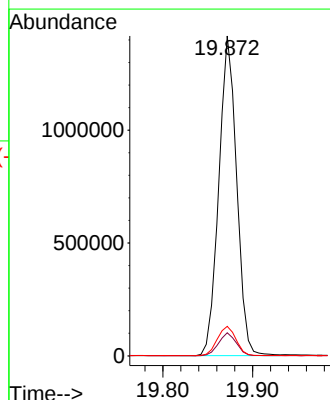
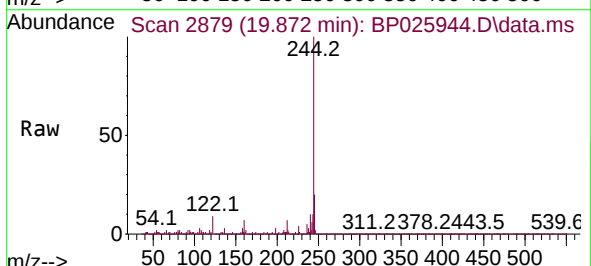
Tgt Ion:244 Resp: 1973168

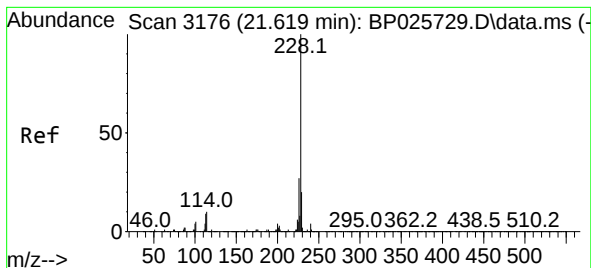
Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

122 9.2 7.1 10.7





#81

Benzo(a)anthracene

Concen: 16.627 ng

RT: 21.578 min Scan# 3176

Delta R.T. -0.041 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

Tgt Ion:228 Resp: 985050

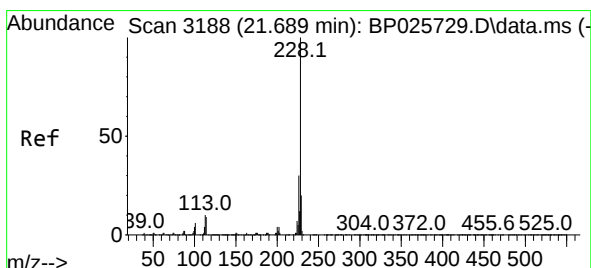
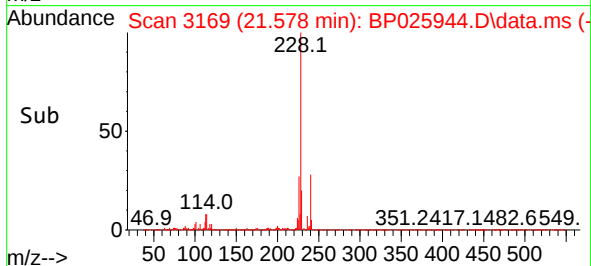
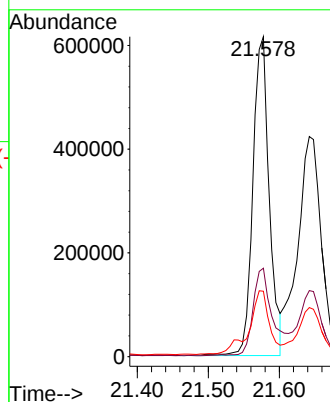
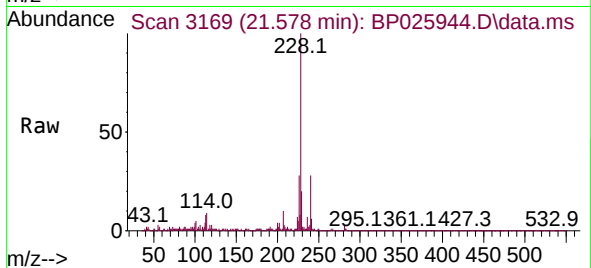
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.6	32.4
229	20.5	15.7	23.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#83

Chrysene

Concen: 17.338 ng

RT: 21.642 min Scan# 3180

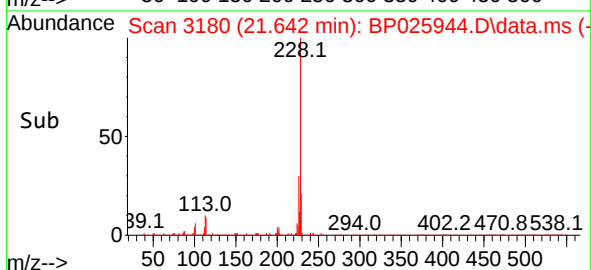
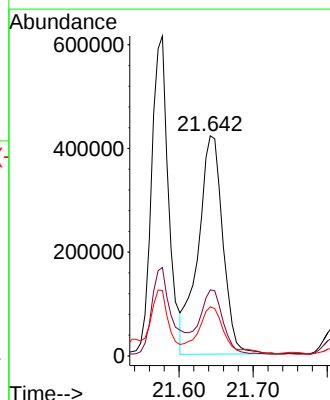
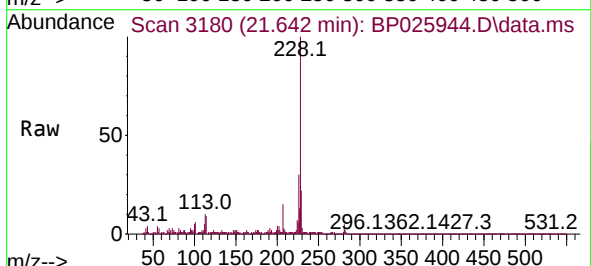
Delta R.T. -0.047 min

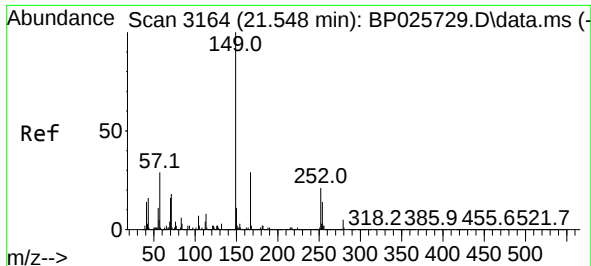
Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Tgt Ion:228 Resp: 979177

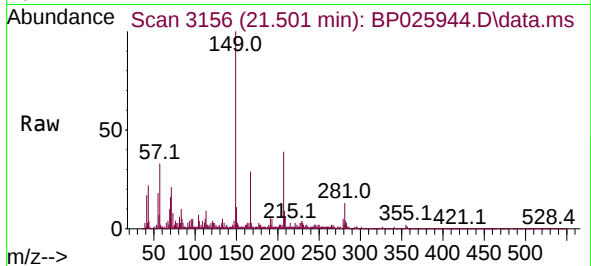
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.6
229	22.3	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.921 ng
RT: 21.501 min Scan# 3164
Delta R.T. -0.047 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

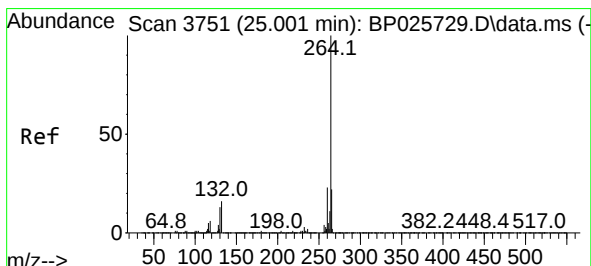
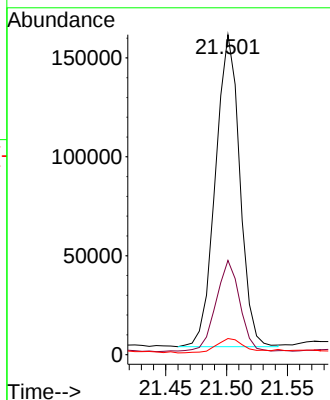
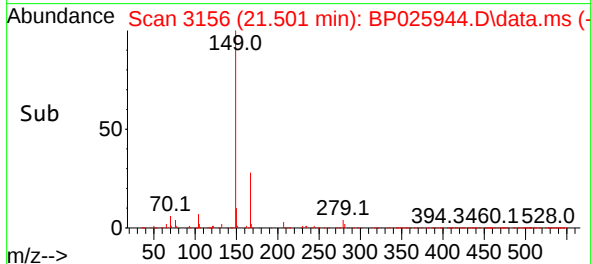
Instrument :
BNA_P
ClientSampleId :
EO-02-10062025



Tgt Ion:149 Resp: 219298
Ion Ratio Lower Upper
149 100
167 29.4 22.9 34.3
279 5.0 3.8 5.8

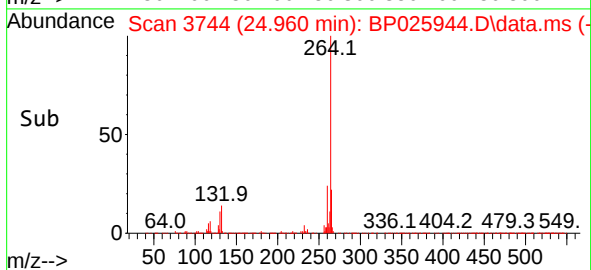
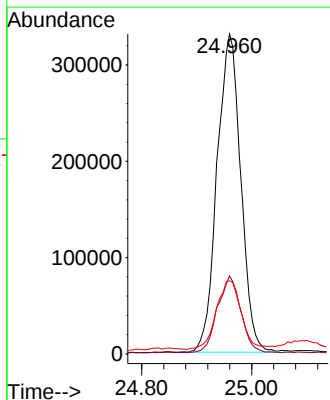
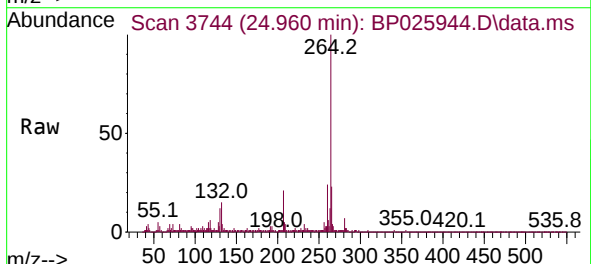
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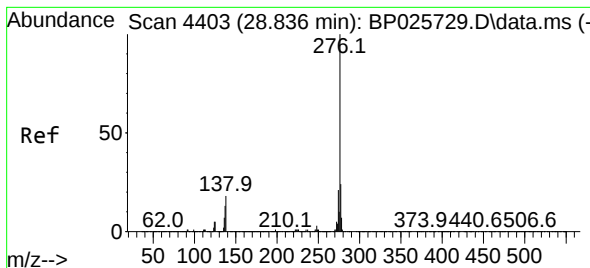
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.960 min Scan# 3744
Delta R.T. -0.041 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:264 Resp: 990370
Ion Ratio Lower Upper
264 100
260 24.4 18.3 27.5
265 22.9 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.566 ng

RT: 28.771 min Scan# 4392

Delta R.T. -0.065 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

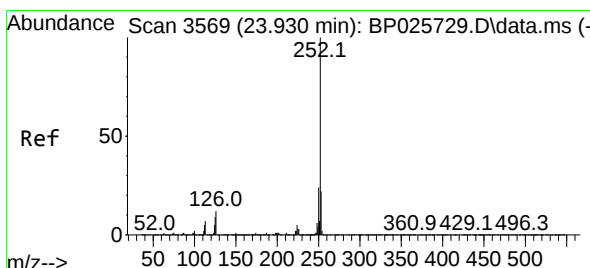
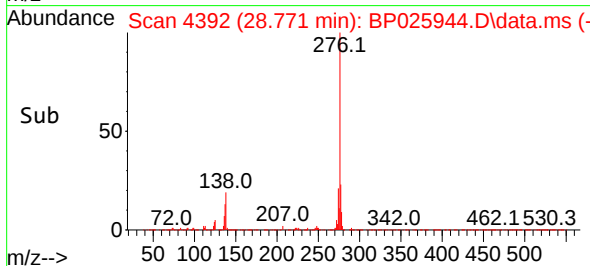
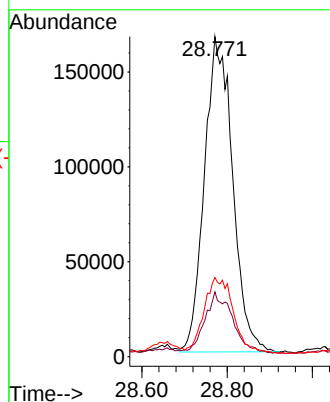
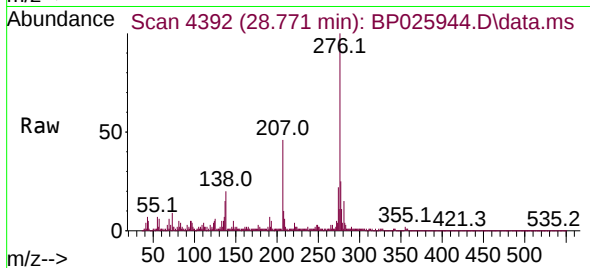
Tgt Ion:	276	Resp:	76100
Ion Ratio	Lower	Upper	
276	100		
138	19.0	13.4	20.2
277	25.3	9.1	13.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#88

Benzo(b)fluoranthene

Concen: 23.310 ng

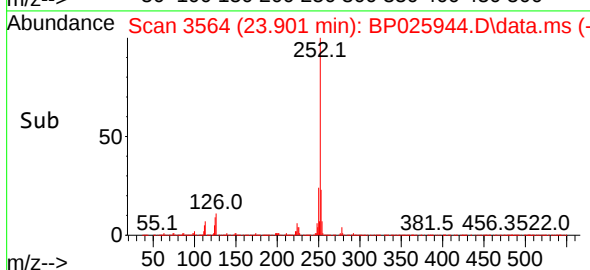
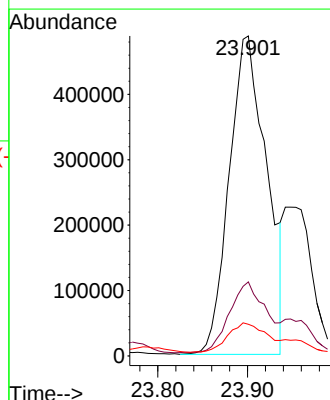
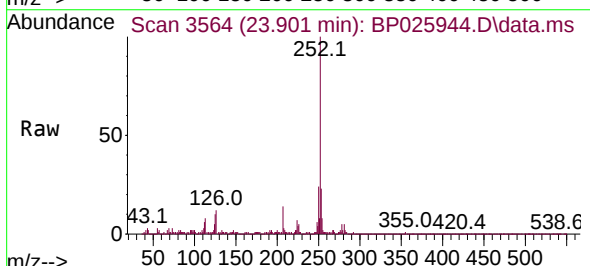
RT: 23.901 min Scan# 3564

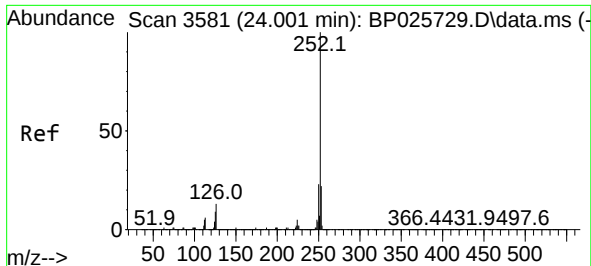
Delta R.T. -0.029 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Tgt Ion:	252	Resp:	1411734
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.9	26.9
125	9.9	7.3	10.9





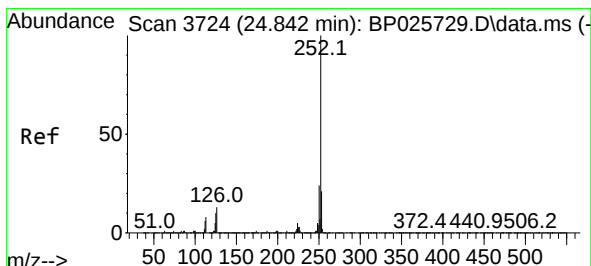
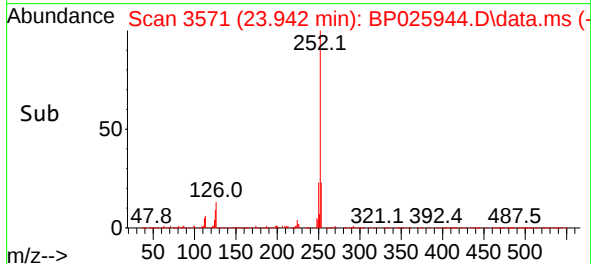
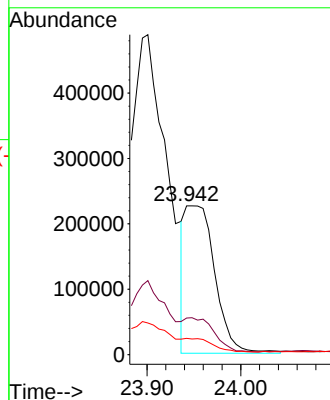
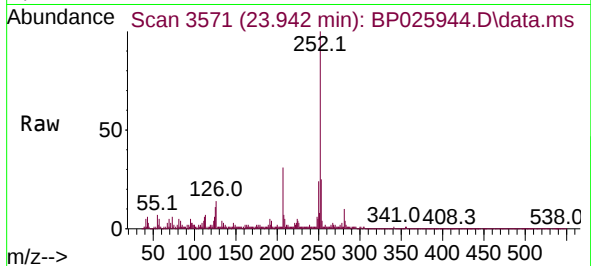
#89
Benzo(k)fluoranthene
Concen: 8.079 ng m
RT: 23.942 min Scan# 31
Delta R.T. -0.059 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Instrument :
BNA_P
ClientSampleId :
EO-02-10062025

Tgt Ion:252 Resp: 499269
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 11.0 7.5 11.3

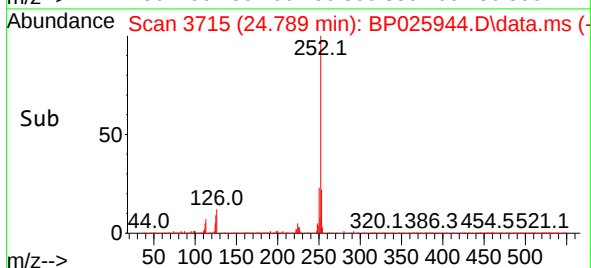
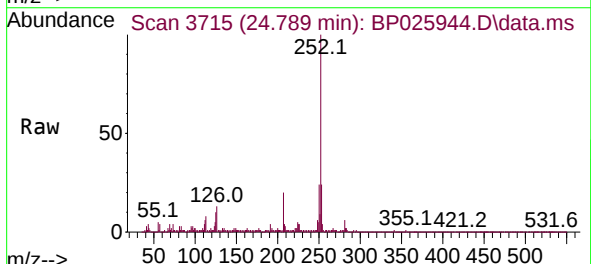
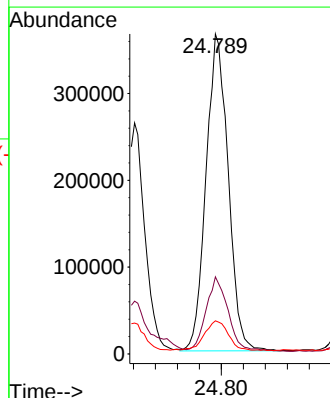
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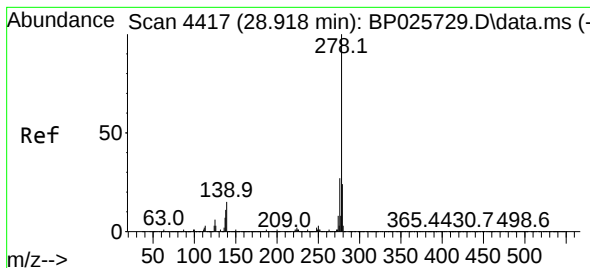
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#90
Benzo(a)pyrene
Concen: 17.197 ng
RT: 24.789 min Scan# 3715
Delta R.T. -0.053 min
Lab File: BP025944.D
Acq: 07 Oct 2025 15:55

Tgt Ion:252 Resp: 1019962
Ion Ratio Lower Upper
252 100
253 24.1 17.2 25.8
125 10.3 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 3.290 ng

RT: 28.801 min Scan# 4417

Delta R.T. -0.117 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Instrument :

BNA_P

ClientSampleId :

EO-02-10062025

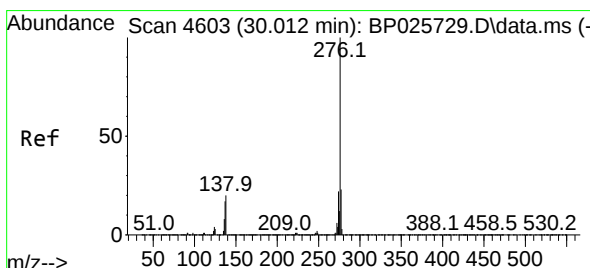
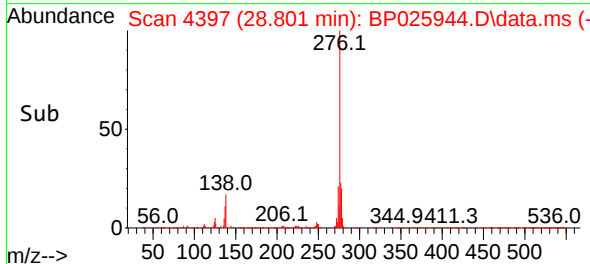
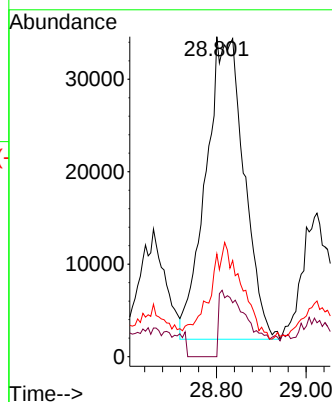
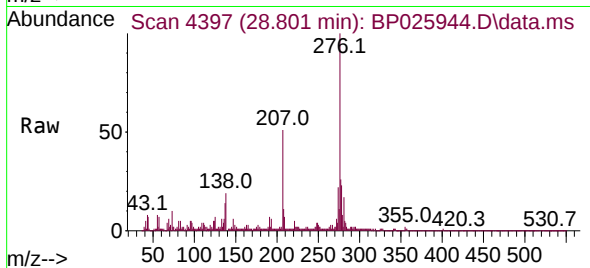
Tgt Ion:	278	Resp:	193895
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.1	18.1
279	32.1	19.6	29.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#92

Benzo(g,h,i)perylene

Concen: 13.373 ng

RT: 29.965 min Scan# 4595

Delta R.T. -0.047 min

Lab File: BP025944.D

Acq: 07 Oct 2025 15:55

Tgt Ion:	276	Resp:	775116
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.7	28.1
138	18.8	16.0	24.0

