

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100325\
 Data File : BP025915.D
 Acq On : 03 Oct 2025 15:40
 Operator : CG/JU
 Sample : Q3269-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EG1-TP1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/06/2025
 Supervised By :Jagrut Upadhyay 10/06/2025

Quant Time: Oct 03 16:01:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	189715	20.000	ng	-0.02
21) Naphthalene-d8	10.507	136	742630	20.000	ng	-0.02
39) Acenaphthene-d10	14.354	164	483888	20.000	ng	-0.02
64) Phenanthrene-d10	17.148	188	934590	20.000	ng	-0.04
76) Chrysene-d12	21.589	240	948281	20.000	ng	-0.05
86) Perylene-d12	24.942	264	1072564	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.378	112	858807	73.043	ng	0.00
7) Phenol-d6	6.943	99	1117042	71.477	ng	0.00
23) Nitrobenzene-d5	8.884	82	696595	41.377	ng	-0.02
42) 2,4,6-Tribromophenol	15.872	330	451307	74.775	ng	-0.04
45) 2-Fluorobiphenyl	12.966	172	1430191	39.354	ng	-0.02
79) Terphenyl-d14	19.872	244	2025701	38.430	ng	-0.04
Target Compounds						Qvalue
71) Phenanthrene	17.189	178	447370	8.438	ng	98
75) Fluoranthene	19.278	202	977148	15.368	ng	99
78) Pyrene	19.654	202	962664	15.214	ng	99
81) Benzo(a)anthracene	21.572	228	532830	8.207	ng	98
83) Chrysene	21.642	228	498539	8.056	ng	96
87) Indeno(1,2,3-cd)pyrene	28.742	276	356196	4.567	ng	# 83
88) Benzo(b)fluoranthene	23.877	252	646511	9.857	ng	# 97
89) Benzo(k)fluoranthene	23.942	252	246593m	3.684	ng	
90) Benzo(a)pyrene	24.771	252	498633	7.763	ng	95
92) Benzo(g,h,i)perylene	29.918	276	344749	5.492	ng	98

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

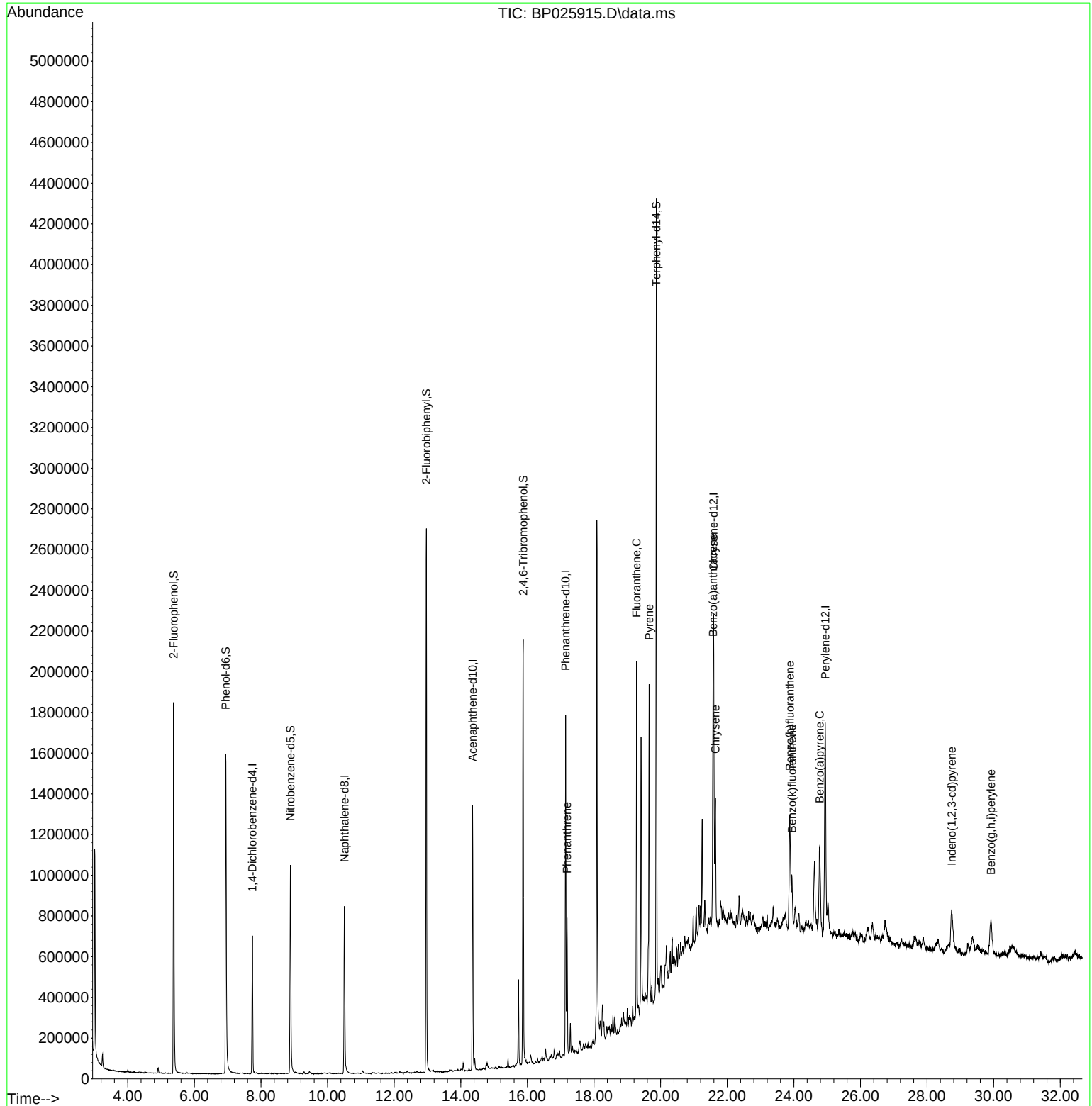
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100325\
Data File : BP025915.D
Acq On : 03 Oct 2025 15:40
Operator : CG/JU
Sample : Q3269-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

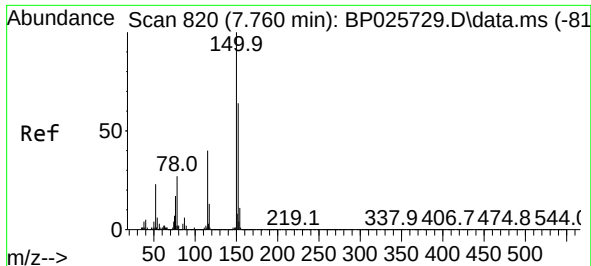
Instrument :
BNA_P
ClientSampleId :
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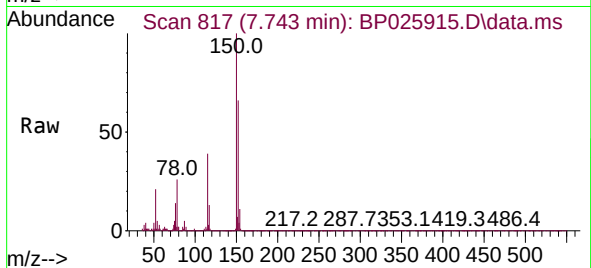
Quant Time: Oct 03 16:01:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 16:45:04 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

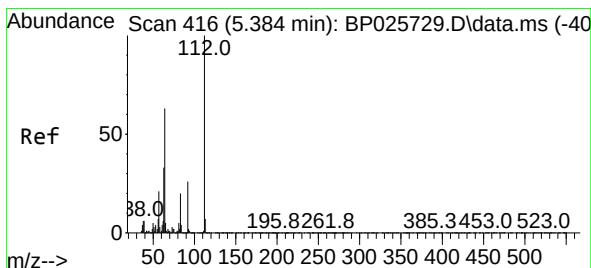
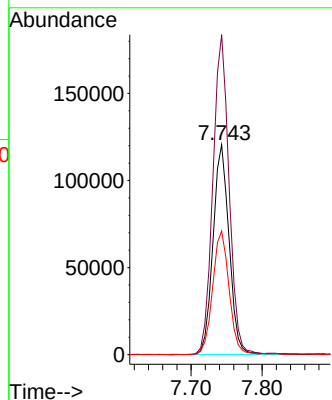
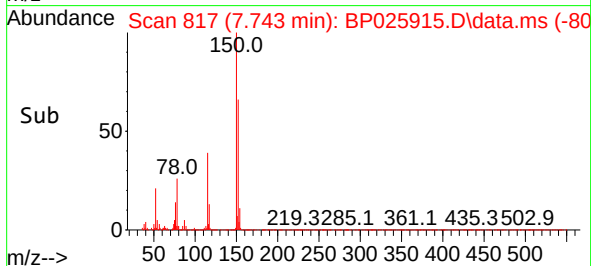
Instrument :
BNA_P
ClientSampleId :
EG1-TP1



Tgt Ion:152 Resp: 189715
Ion Ratio Lower Upper
152 100
150 152.5 124.3 186.5
115 58.9 50.3 75.5

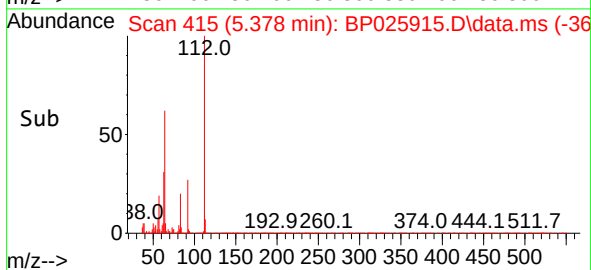
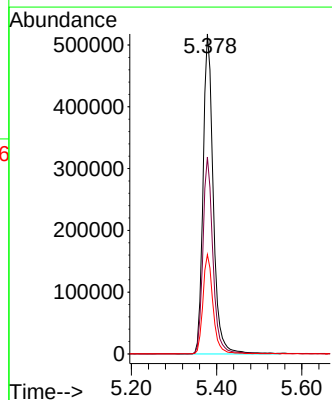
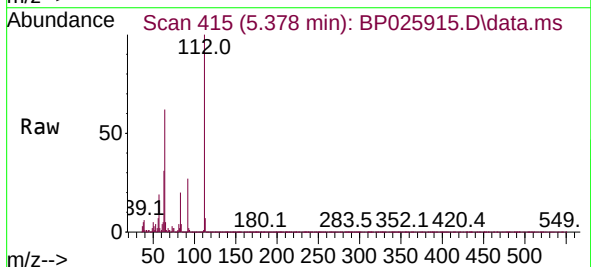
Manual Integrations
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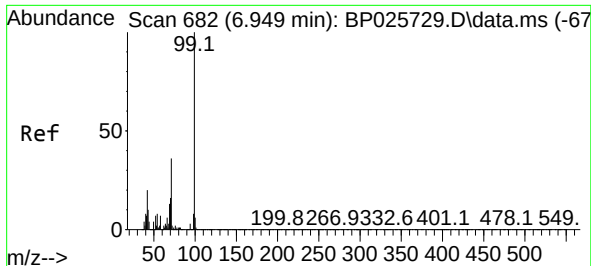
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025



#5
2-Fluorophenol
Concen: 73.043 ng
RT: 5.378 min Scan# 415
Delta R.T. -0.006 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

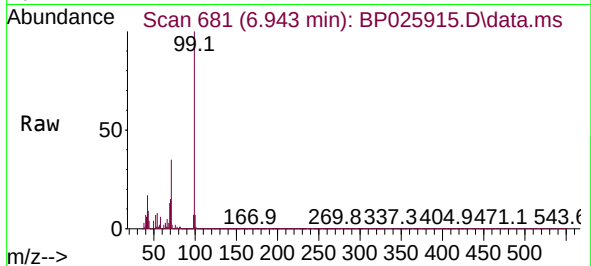
Tgt Ion:112 Resp: 858807
Ion Ratio Lower Upper
112 100
64 61.5 50.2 75.4
63 31.0 26.7 40.1





#7
Phenol-d6
Concen: 71.477 ng
RT: 6.943 min Scan# 681
Delta R.T. -0.006 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

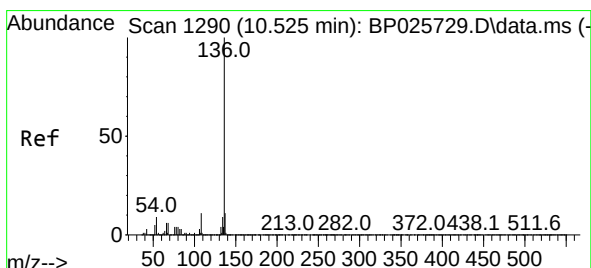
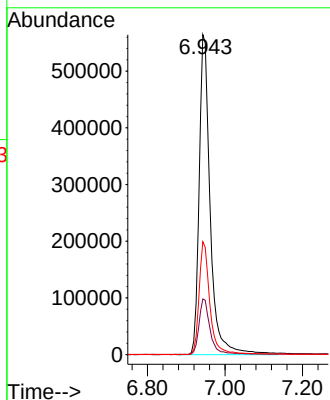
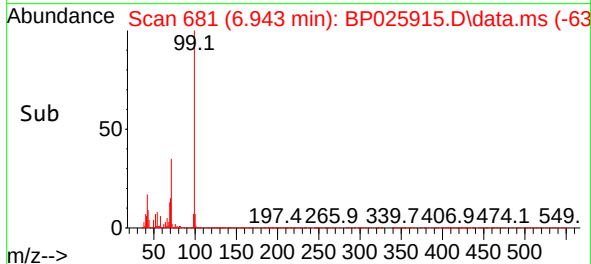
Instrument :
BNA_P
Client SampleId :
EG1-TP1



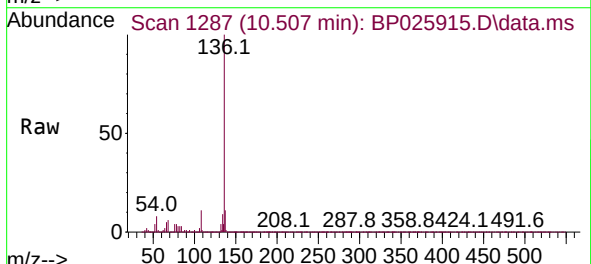
Tgt Ion: 99 Resp: 1117042
Ion Ratio Lower Upper
99 100
42 17.4 15.6 23.4
71 35.3 28.6 43.0

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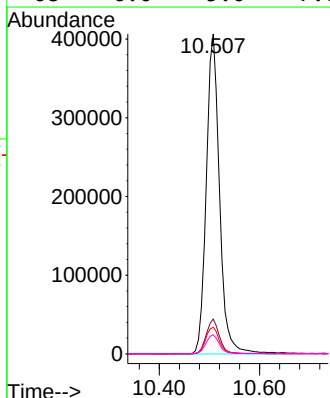
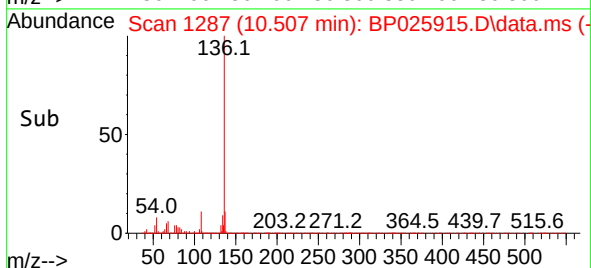
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

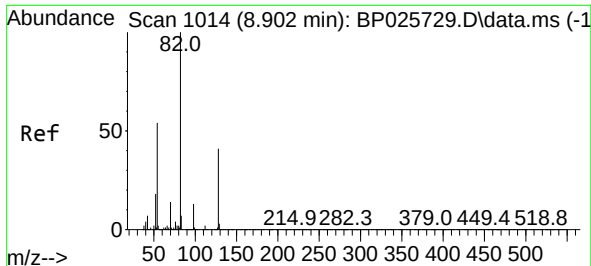


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.507 min Scan# 1287
Delta R.T. -0.018 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40



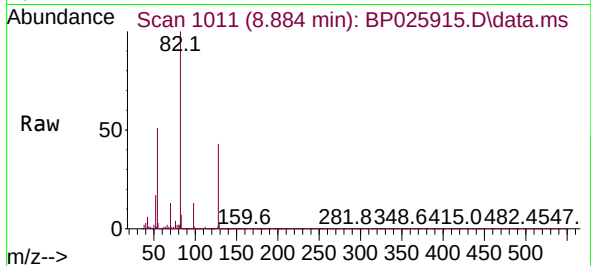
Tgt Ion:136 Resp: 742630
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.3 7.5 11.3
68 6.0 5.0 7.6





#23
Nitrobenzene-d5
Concen: 41.377 ng
RT: 8.884 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

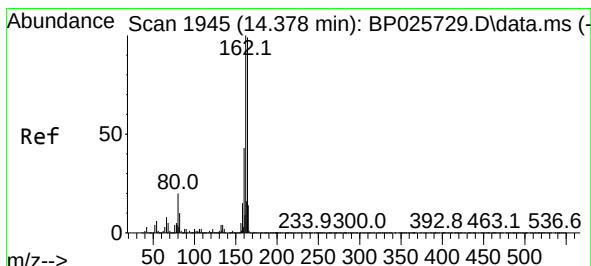
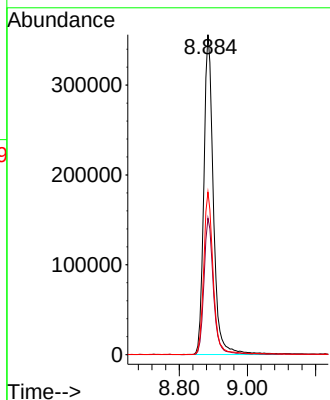
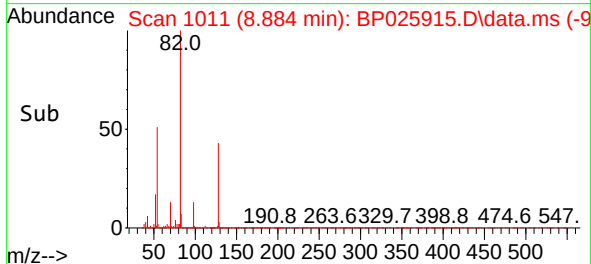
Instrument :
BNA_P
Client Sample Id :
EG1-TP1



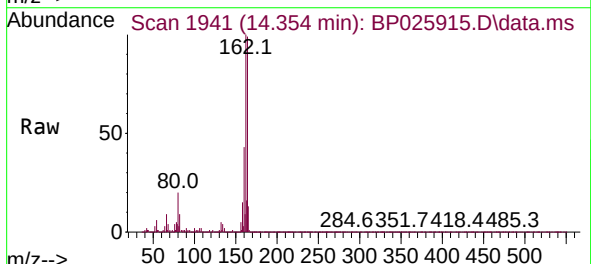
Tgt Ion: 82 Resp: 696595
Ion Ratio Lower Upper
82 100
128 42.6 32.9 49.3
54 50.8 43.4 65.2

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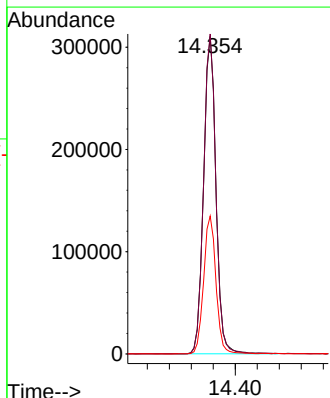
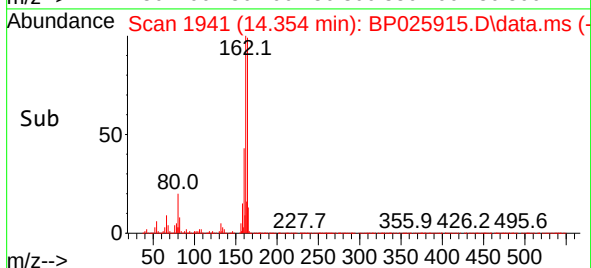
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

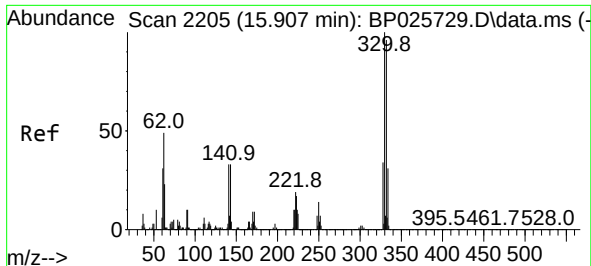


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.354 min Scan# 1941
Delta R.T. -0.023 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40



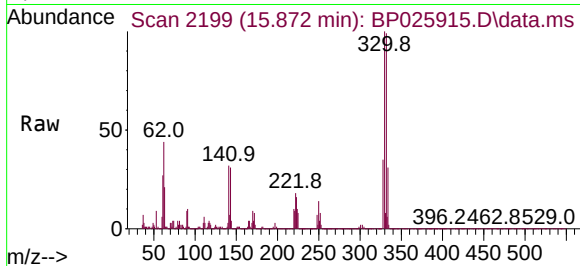
Tgt Ion:164 Resp: 483888
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 43.4 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 74.775 ng
RT: 15.872 min Scan# 2199
Delta R.T. -0.035 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

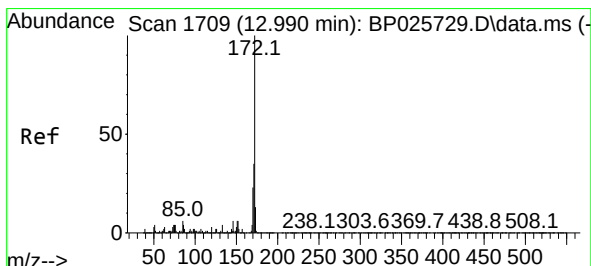
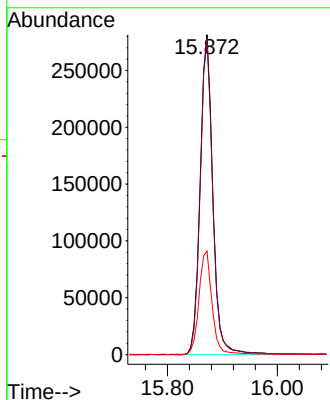
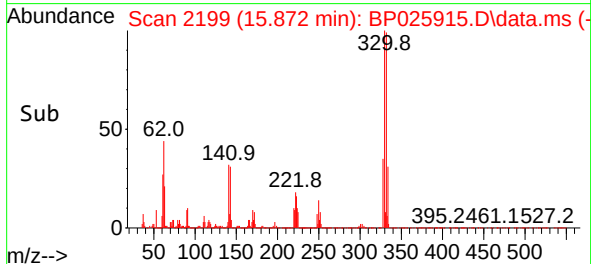
Instrument :
BNA_P
ClientSampleId :
EG1-TP1



Tgt Ion: 330 Resp: 451307
Ion Ratio Lower Upper
330 100
332 97.5 76.9 115.3
141 33.2 31.0 46.4

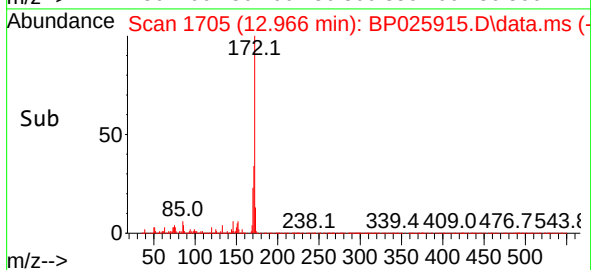
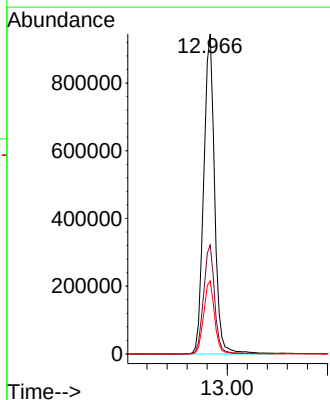
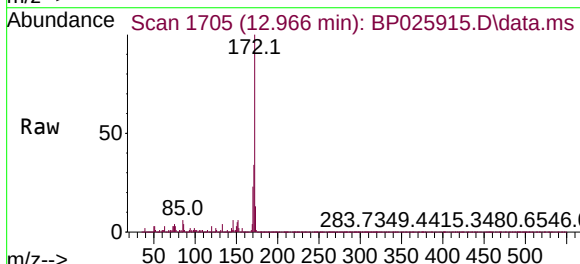
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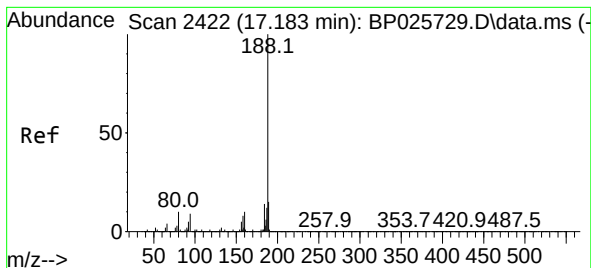
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025



#45
2-Fluorobiphenyl
Concen: 39.354 ng
RT: 12.966 min Scan# 1705
Delta R.T. -0.023 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion: 172 Resp: 1430191
Ion Ratio Lower Upper
172 100
171 34.0 27.8 41.6
170 22.8 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.148 min Scan# 2416

Delta R.T. -0.035 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Instrument :

BNA_P

ClientSampleId :

EG1-TP1

Tgt Ion:188 Resp: 934590

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.0

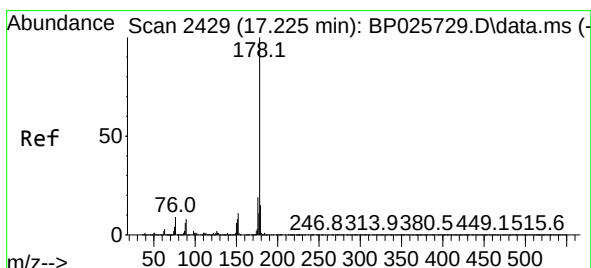
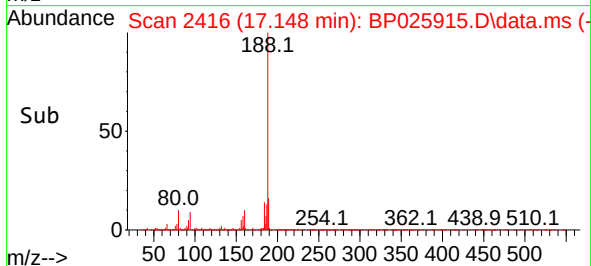
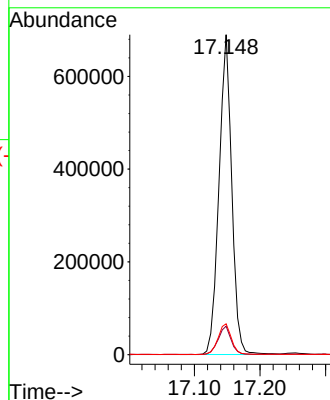
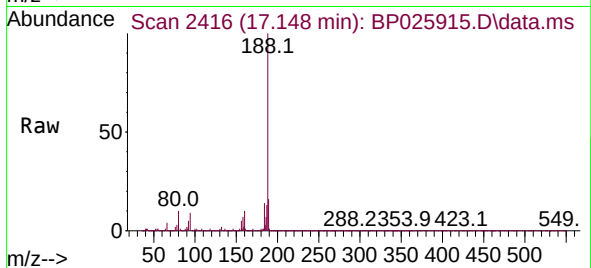
80 9.6 7.7 11.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/06/2025

Supervised By :Jagrut Upadhyay 10/06/2025



#71

Phenanthrene

Concen: 8.438 ng

RT: 17.189 min Scan# 2423

Delta R.T. -0.035 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

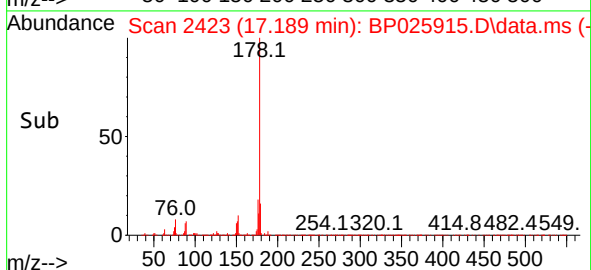
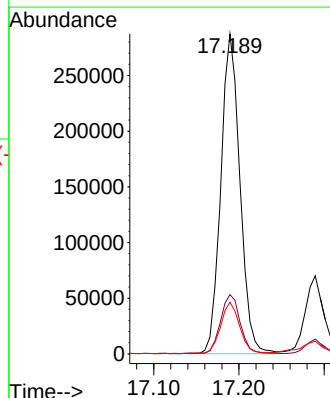
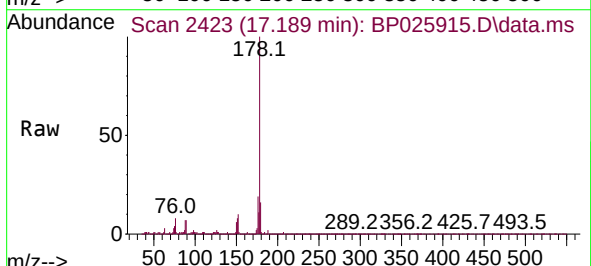
Tgt Ion:178 Resp: 447370

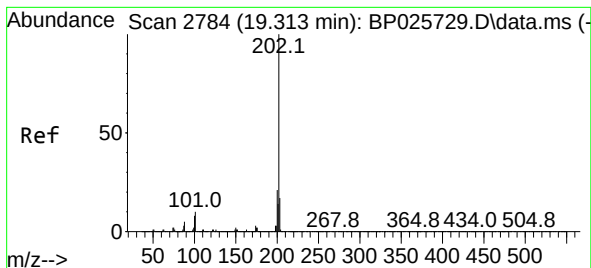
Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

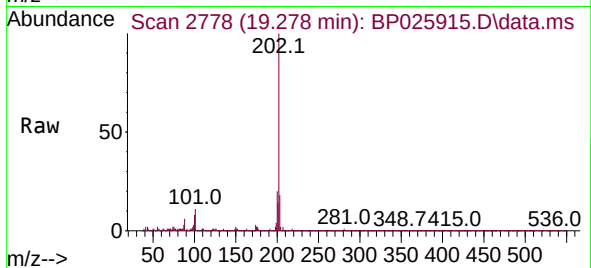
179 16.1 12.2 18.4





#75
Fluoranthene
Concen: 15.368 ng
RT: 19.278 min Scan# 21
Delta R.T. -0.035 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

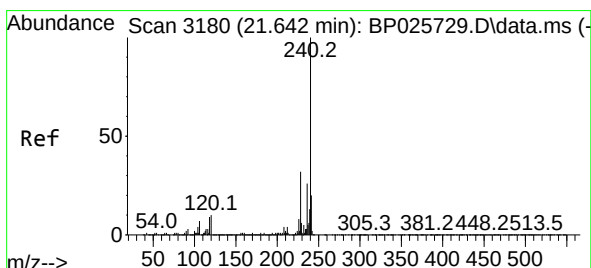
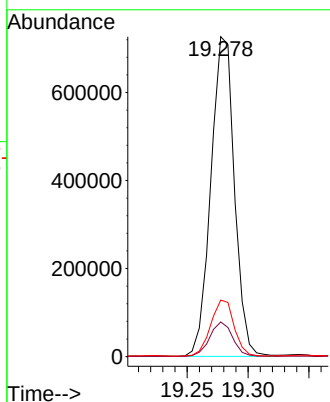
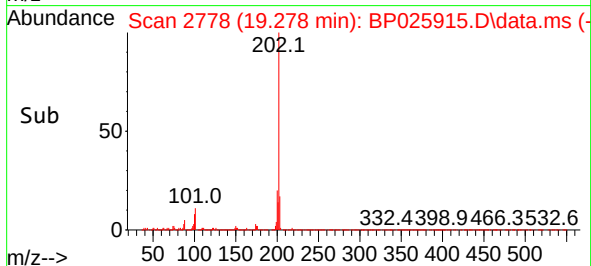
Instrument :
BNA_P
ClientSampleId :
EG1-TP1



Tgt Ion:202 Resp: 977148
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.4
203 17.7 0.0 37.4

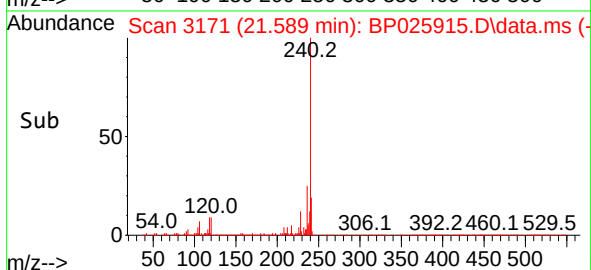
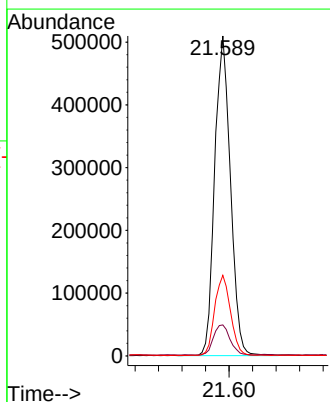
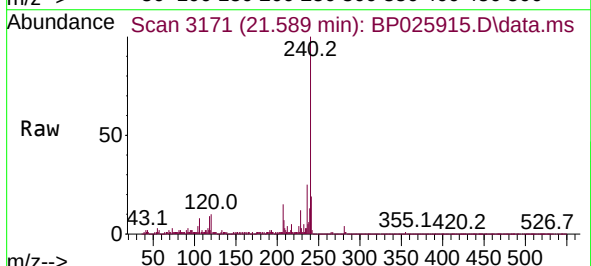
Manual Integrations
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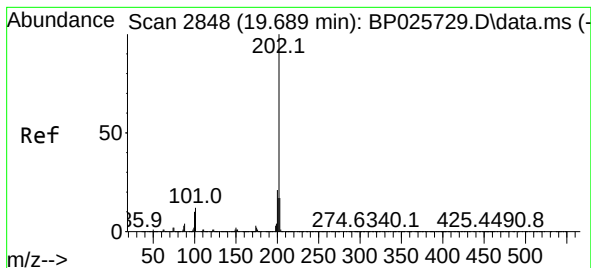
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3171
Delta R.T. -0.053 min
Lab File: BP025915.D
Acq: 03 Oct 2025 15:40

Tgt Ion:240 Resp: 948281
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 25.2 20.7 31.1





#78

Pyrene

Concen: 15.214 ng

RT: 19.654 min Scan# 2842

Delta R.T. -0.035 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Instrument :

BNA_P

ClientSampleId :

EG1-TP1

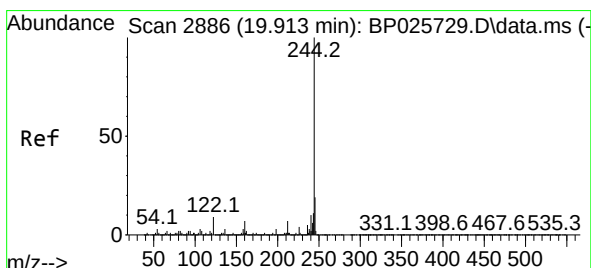
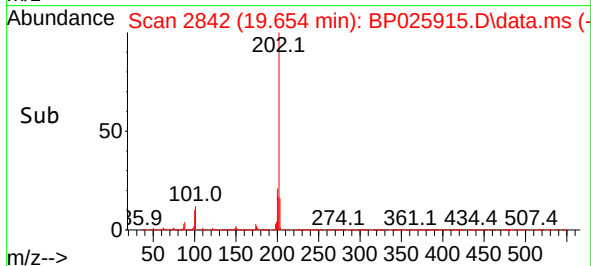
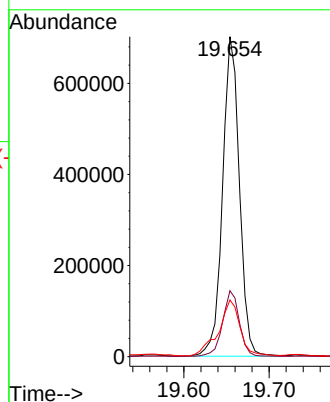
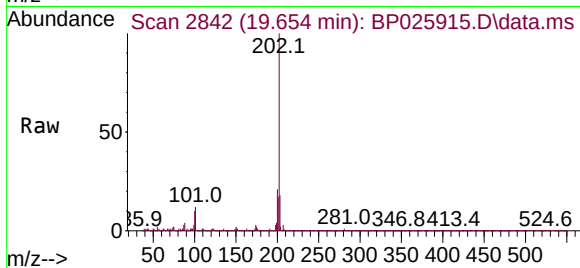
Tgt Ion:	202	Resp:	962664
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.0	25.6
203	17.7	13.9	20.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/06/2025



#79

Terphenyl-d14

Concen: 38.430 ng

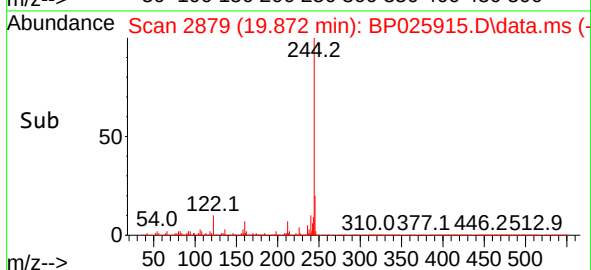
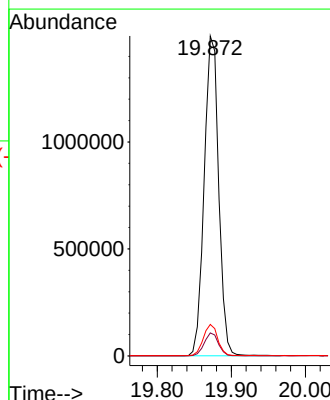
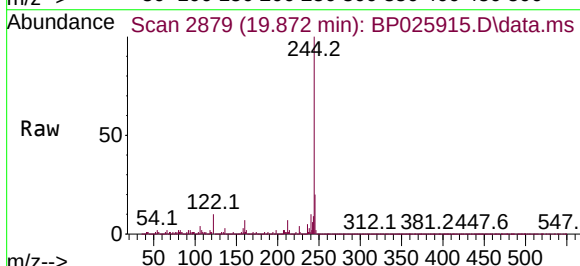
RT: 19.872 min Scan# 2879

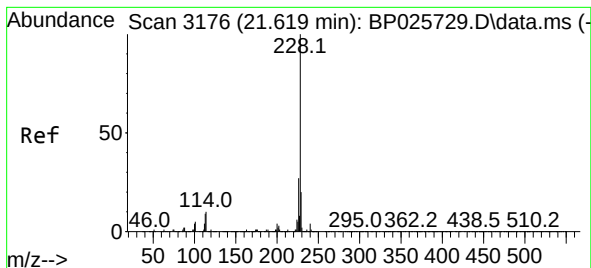
Delta R.T. -0.041 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Tgt Ion:	244	Resp:	2025701
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.9	8.9
122	9.8	7.1	10.7





#81

Benzo(a)anthracene

Concen: 8.207 ng

RT: 21.572 min Scan# 31

Delta R.T. -0.047 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Instrument :

BNA_P

ClientSampleId :

EG1-TP1

Tgt Ion:228 Resp: 532830

Ion Ratio Lower Upper

228 100

226 27.4 21.6 32.4

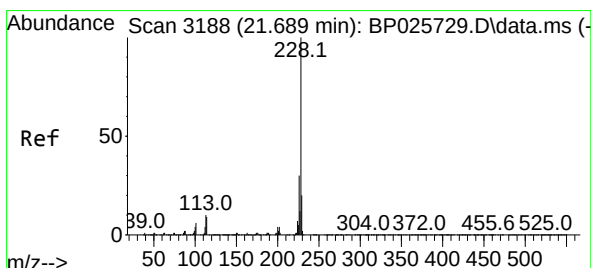
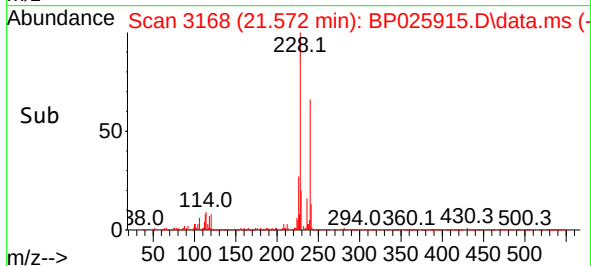
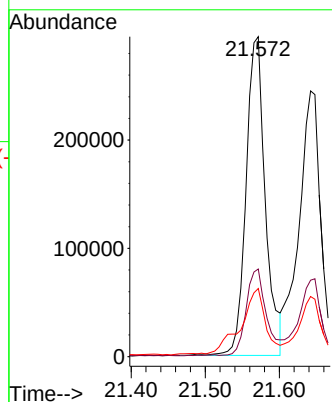
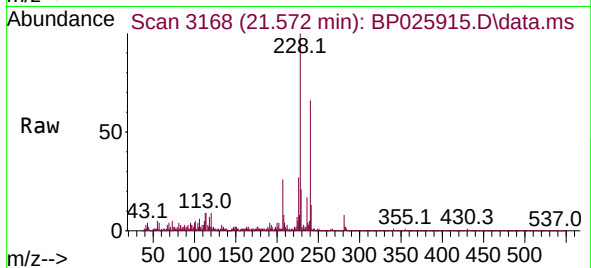
229 21.3 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/06/2025

Supervised By :Jagrut Upadhyay 10/06/2025



#83

Chrysene

Concen: 8.056 ng

RT: 21.642 min Scan# 3180

Delta R.T. -0.047 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

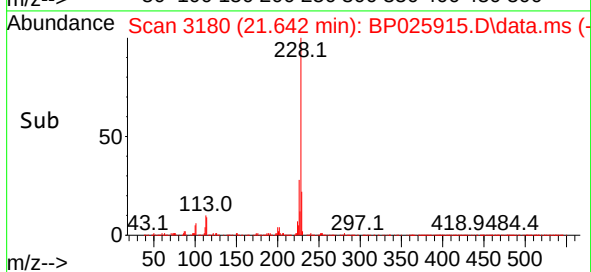
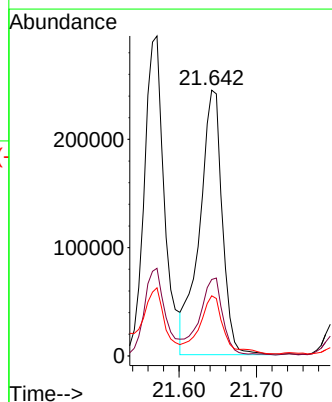
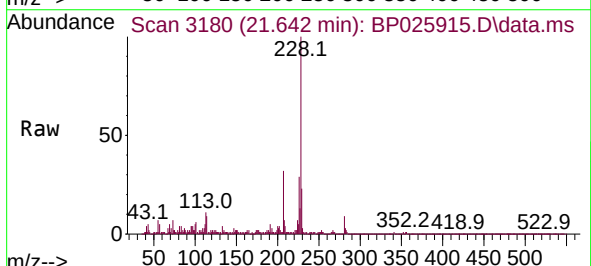
Tgt Ion:228 Resp: 498539

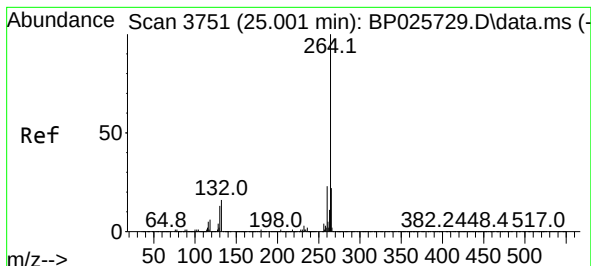
Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.6

229 22.6 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.942 min Scan# 31

Delta R.T. -0.059 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Instrument :

BNA_P

ClientSampleId :

EG1-TP1

Tgt Ion:264 Resp: 1072564

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

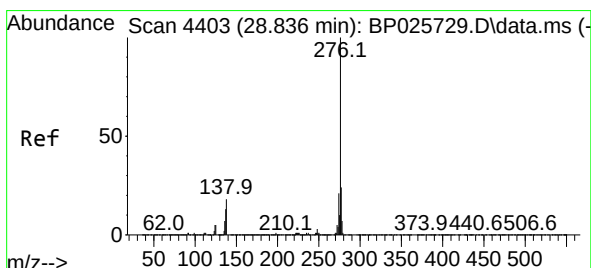
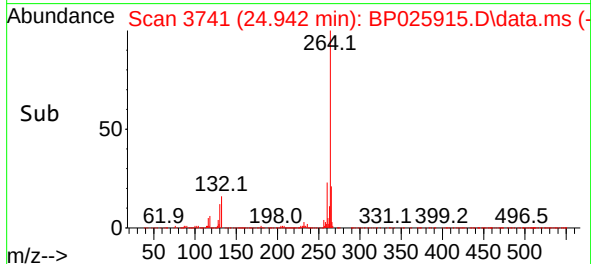
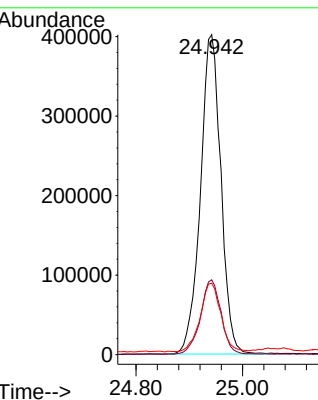
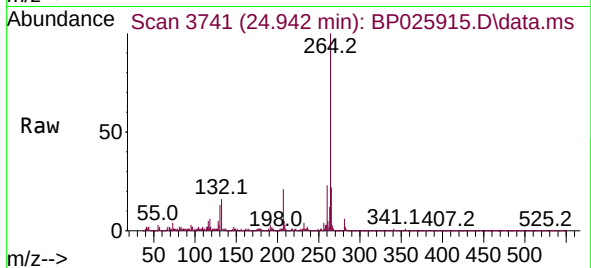
265 22.3 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/06/2025

Supervised By :Jagrut Upadhyay 10/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.567 ng

RT: 28.742 min Scan# 4387

Delta R.T. -0.094 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

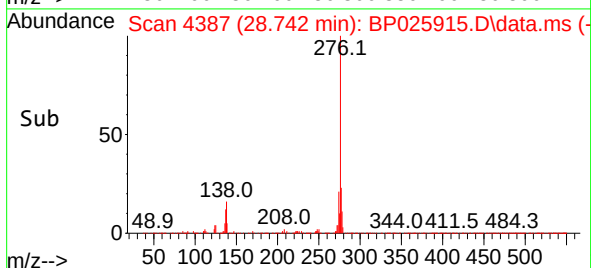
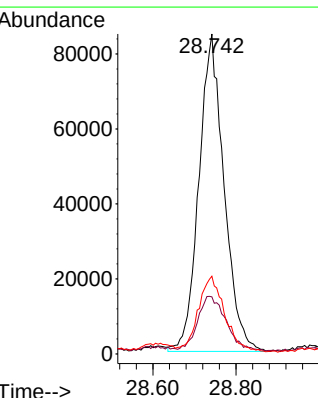
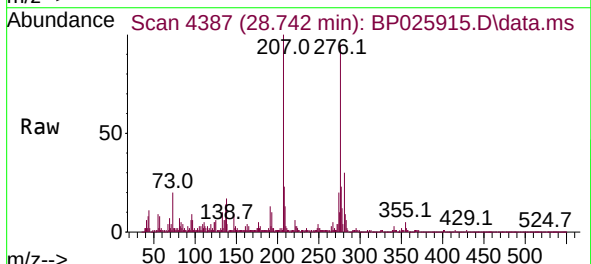
Tgt Ion:276 Resp: 356196

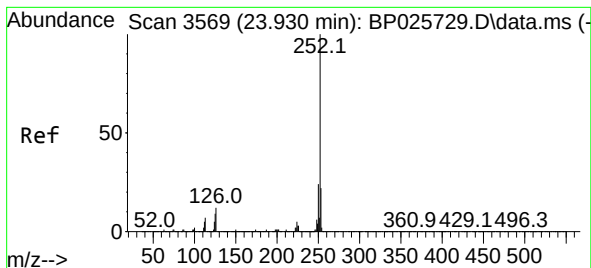
Ion Ratio Lower Upper

276 100

138 19.3 13.4 20.2

277 24.7 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 9.857 ng

RT: 23.877 min Scan# 3560

Delta R.T. -0.053 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Instrument :

BNA_P

ClientSampleId :

EG1-TP1

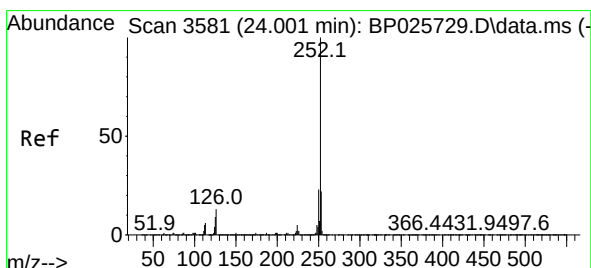
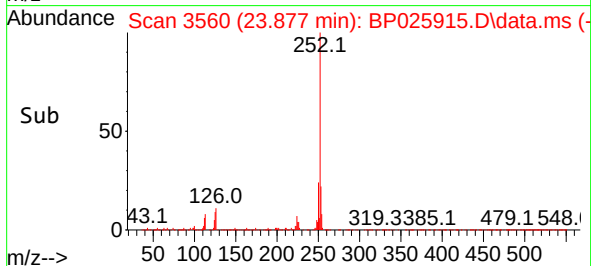
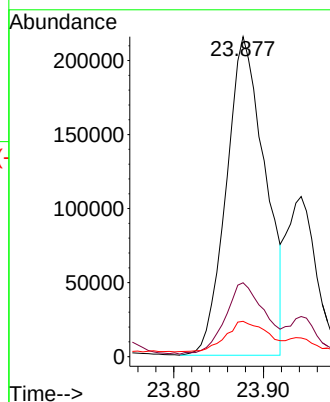
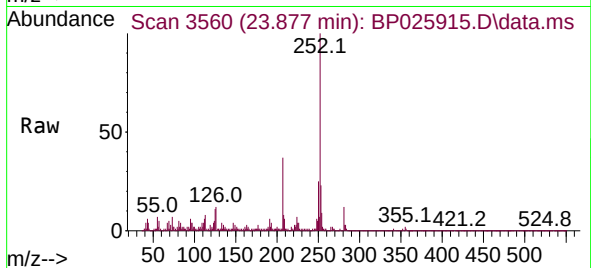
Tgt Ion:252 Resp: 646511
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.9 26.9
 125 11.0 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/06/2025

Supervised By :Jagrut Upadhyay 10/06/2025



#89

Benzo(k)fluoranthene

Concen: 3.684 ng m

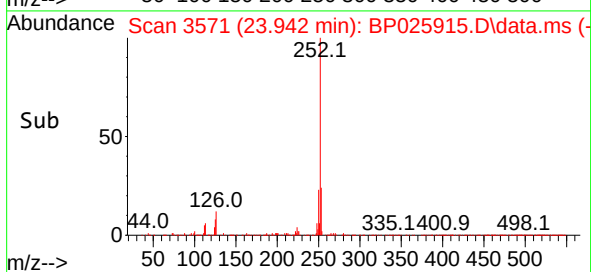
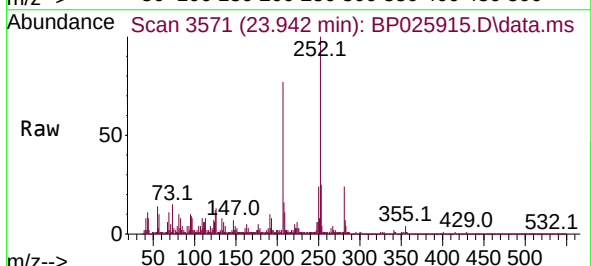
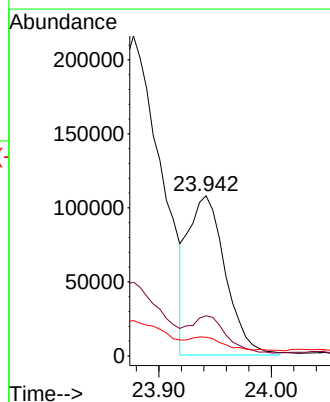
RT: 23.942 min Scan# 3571

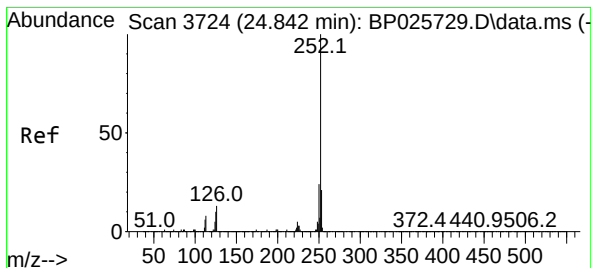
Delta R.T. -0.059 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Tgt Ion:252 Resp: 246593
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.5 26.3
 125 11.6 7.5 11.3





#90

Benzo(a)pyrene

Concen: 7.763 ng

RT: 24.771 min Scan# 31

Delta R.T. -0.071 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Instrument :

BNA_P

ClientSampleId :

EG1-TP1

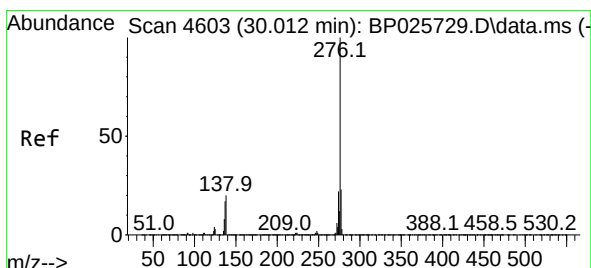
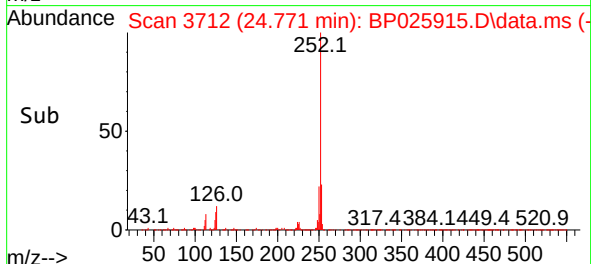
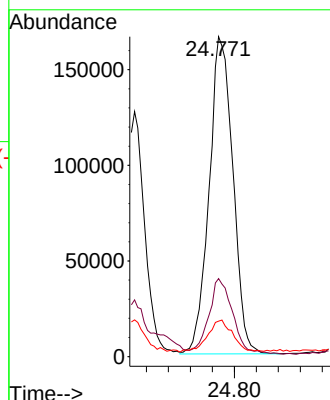
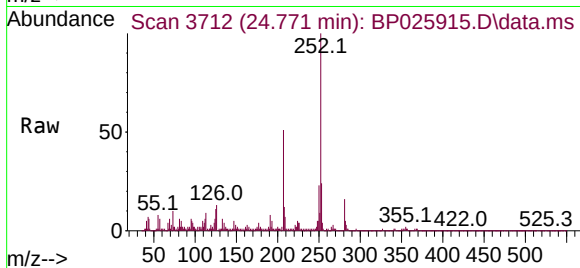
Tgt Ion:	252	Resp:	49863
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.2	25.8
125	11.1	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/06/2025

Supervised By :Jagrut Upadhyay 10/06/2025



#92

Benzo(g,h,i)perylene

Concen: 5.492 ng

RT: 29.918 min Scan# 4587

Delta R.T. -0.094 min

Lab File: BP025915.D

Acq: 03 Oct 2025 15:40

Tgt Ion:	276	Resp:	344749
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.7	28.1
138	20.3	16.0	24.0

