

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
 Data File : BP025949.D
 Acq On : 07 Oct 2025 19:21
 Operator : RC/JU
 Sample : Q3294-01 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-10062025

Manual Integrations
 APPROVED

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

Quant Time: Oct 08 01:22:15 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	7.737	152	215959	20.000	ng	-0.02
21) Naphthalene-d8	10.496	136	820832	20.000	ng	-0.03
39) Acenaphthene-d10	14.348	164	494408	20.000	ng	-0.03
64) Phenanthrene-d10	17.142	188	826130	20.000	ng	-0.04
76) Chrysene-d12	21.583	240	850396	20.000	ng	-0.06
86) Perylene-d12	24.942	264	987752	20.000	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	90502	6.762	ng	0.00
7) Phenol-d6	6.972	99	88926	4.999	ng	0.02
23) Nitrobenzene-d5	8.902	82	63488	3.412	ng	0.00
42) 2,4,6-Tribromophenol	15.884	330	36262	5.880	ng	-0.02
45) 2-Fluorobiphenyl	12.966	172	164408	4.428	ng	-0.02
79) Terphenyl-d14	19.860	244	252309	5.338	ng	-0.05
Target Compounds						Qvalue
71) Phenanthrene	17.189	178	283521	6.050	ng	98
75) Fluoranthene	19.272	202	479540	8.532	ng	99
78) Pyrene	19.648	202	460616	8.118	ng	98
81) Benzo(a)anthracene	21.566	228	276475	4.749	ng	96
83) Chrysene	21.630	228	258765	4.663	ng	97
87) Indeno(1,2,3-cd)pyrene	28.759	276	171903	2.393	ng	# 82
88) Benzo(b)fluoranthene	23.877	252	357763	5.923	ng	99
89) Benzo(k)fluoranthene	23.936	252	128211m	2.080	ng	
90) Benzo(a)pyrene	24.777	252	254900	4.309	ng	94
92) Benzo(g,h,i)perylene	29.942	276	170619	2.951	ng	99

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

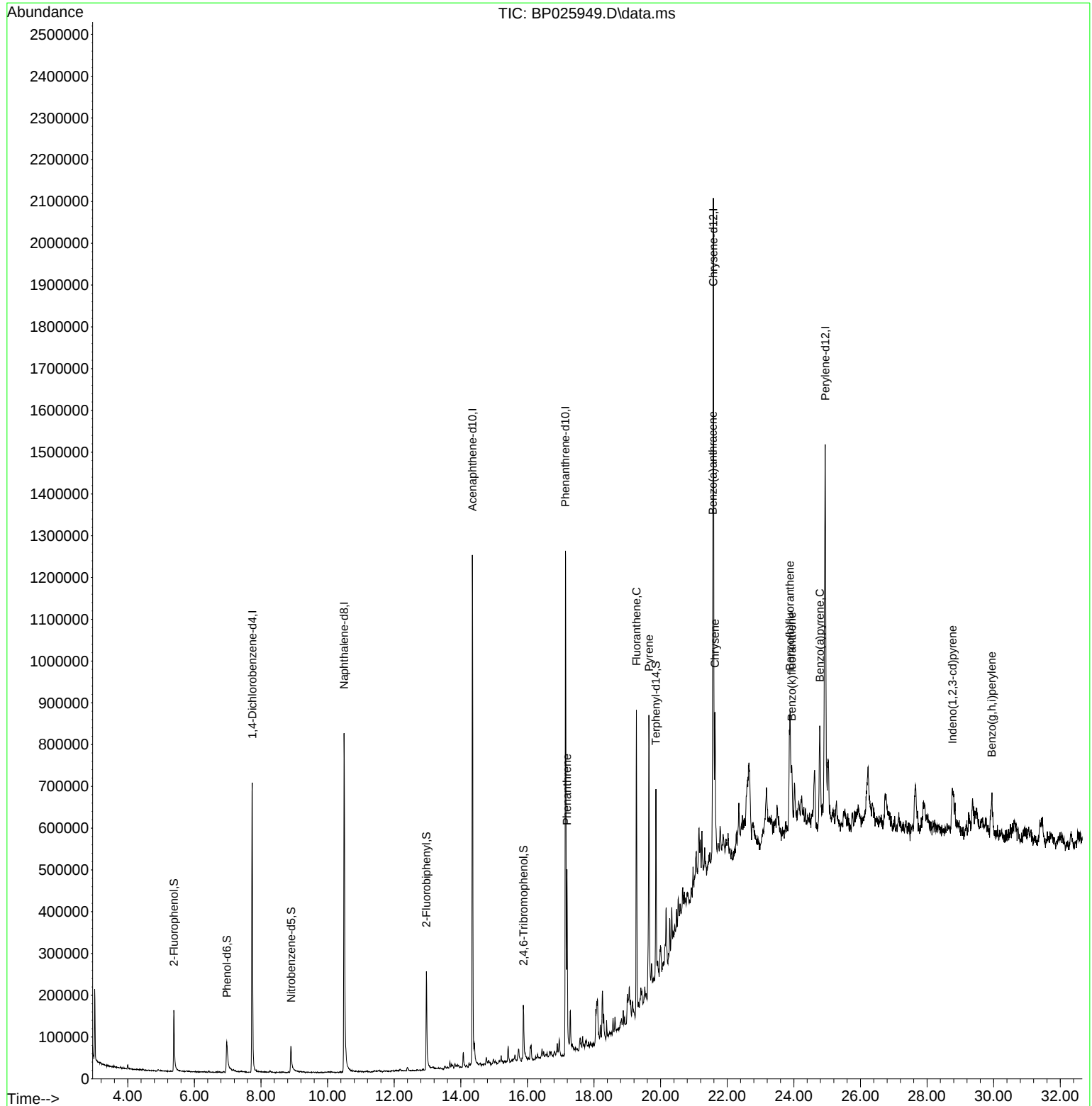
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100725\
Data File : BP025949.D
Acq On : 07 Oct 2025 19:21
Operator : RC/JU
Sample : Q3294-01 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

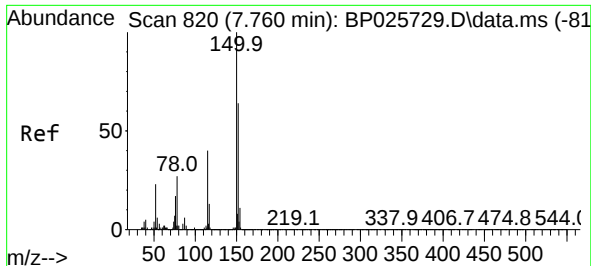
Instrument :
BNA_P
ClientSampleId :
HD-02-10062025

Quant Time: Oct 08 01:22:15 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

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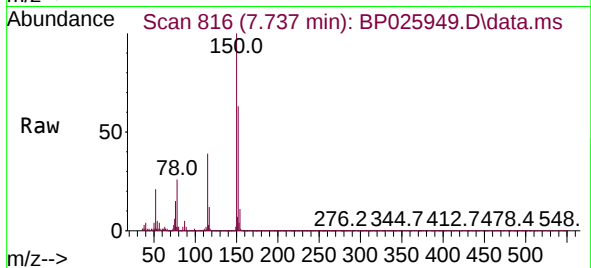
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.737 min Scan# 81
Delta R.T. -0.023 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

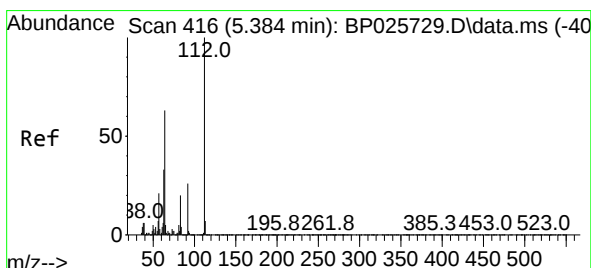
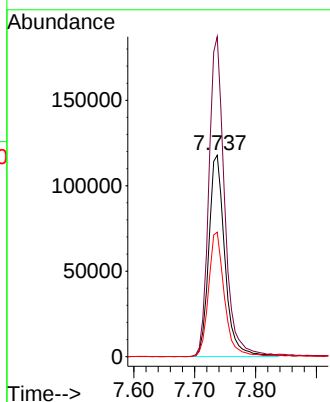
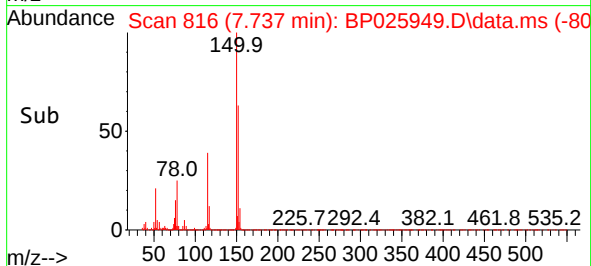
Instrument :
BNA_P
ClientSampleId :
HD-02-10062025



Tgt Ion:152 Resp: 215959
Ion Ratio Lower Upper
152 100
150 158.9 124.3 186.5
115 61.8 50.3 75.5

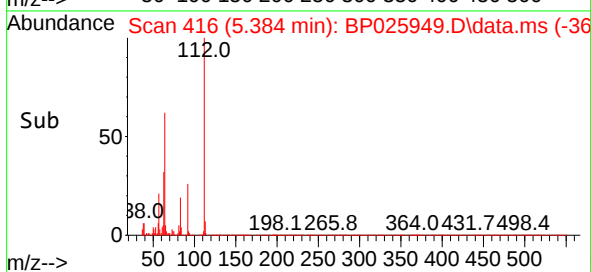
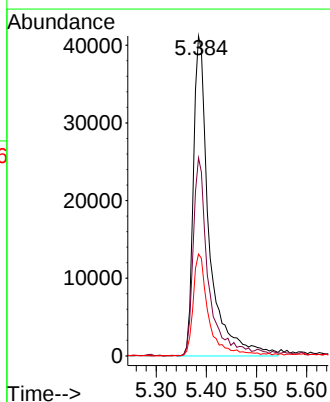
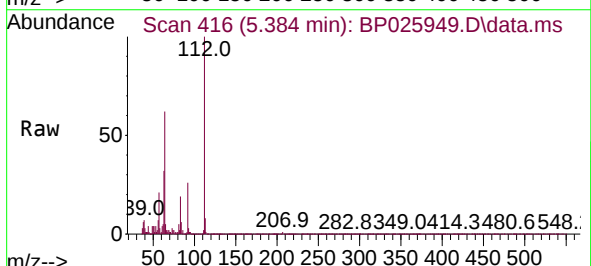
Manual Integrations
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Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#5
2-Fluorophenol
Concen: 6.762 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

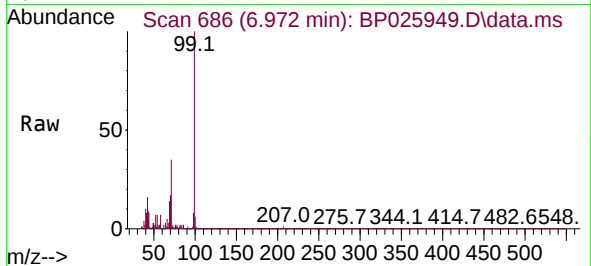
Tgt Ion:112 Resp: 90502
Ion Ratio Lower Upper
112 100
64 61.9 50.2 75.4
63 31.8 26.7 40.1





#7
Phenol-d6
Concen: 4.999 ng
RT: 6.972 min Scan# 682
Delta R.T. 0.024 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

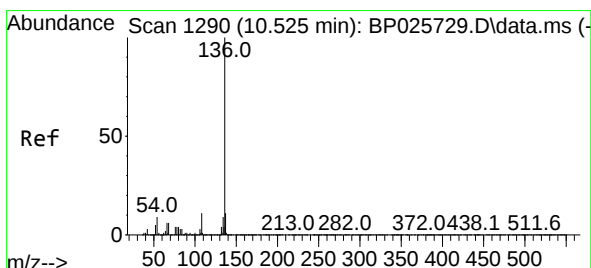
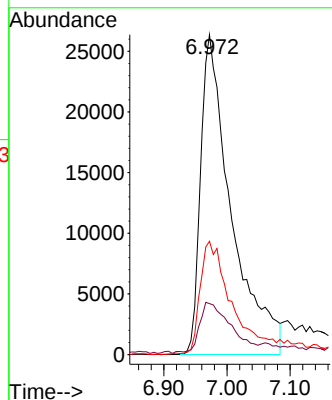
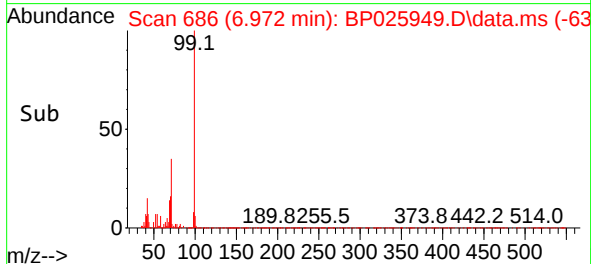
Instrument :
BNA_P
ClientSampleId :
HD-02-10062025



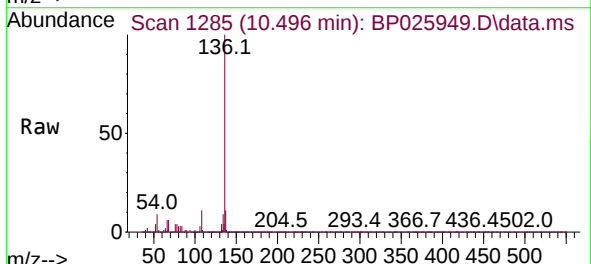
Tgt Ion: 99 Resp: 88926
Ion Ratio Lower Upper
99 100
42 15.9 15.6 23.4
71 35.4 28.6 43.0

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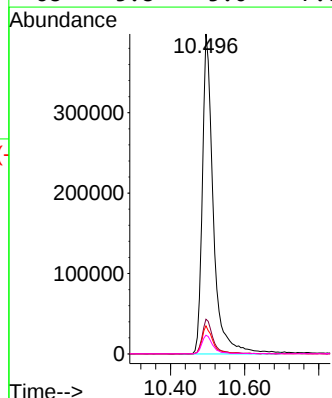
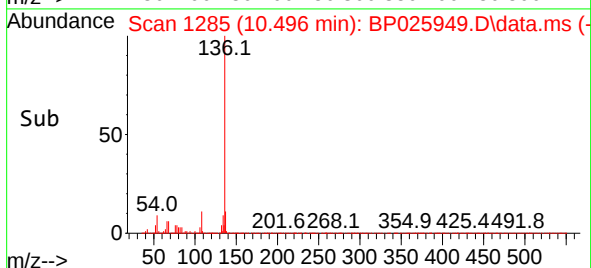
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025

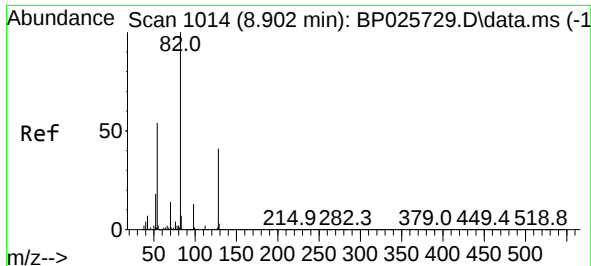


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.496 min Scan# 1285
Delta R.T. -0.029 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21



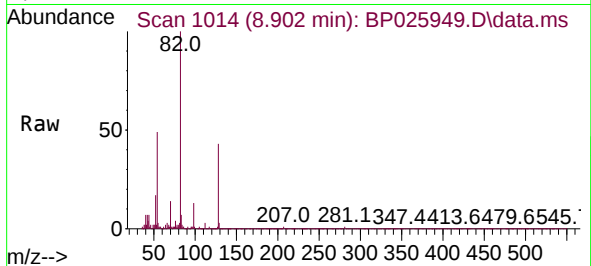
Tgt Ion:136 Resp: 820832
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.8 7.5 11.3
68 5.8 5.0 7.6





#23
Nitrobenzene-d5
Concen: 3.412 ng
RT: 8.902 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

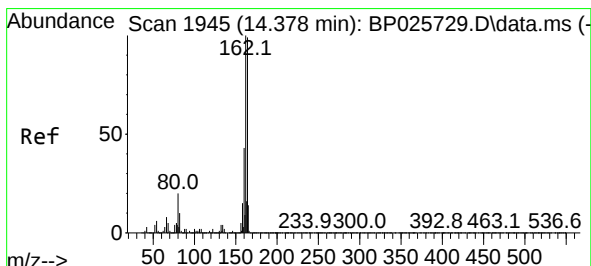
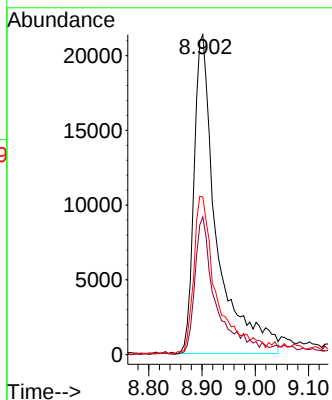
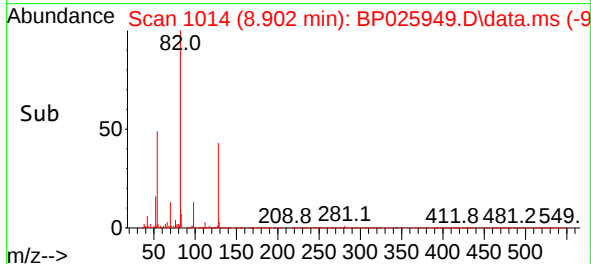
Instrument :
BNA_P
ClientSampleId :
HD-02-10062025



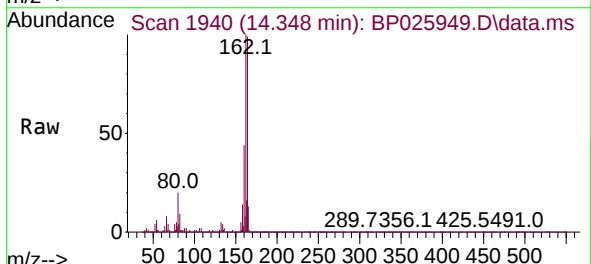
Tgt Ion: 82 Resp: 63488
Ion Ratio Lower Upper
82 100
128 43.0 32.9 49.3
54 49.2 43.4 65.2

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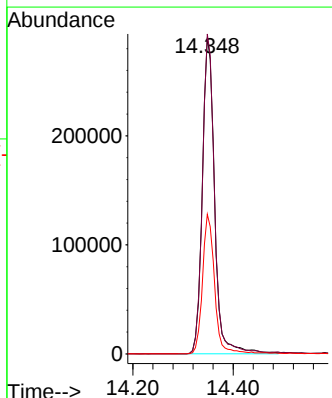
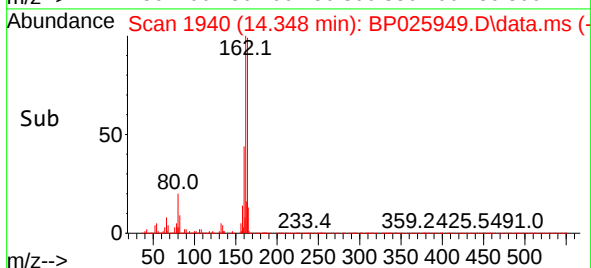
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.348 min Scan# 1940
Delta R.T. -0.029 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21



Tgt Ion:164 Resp: 494408
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 44.1 35.0 52.6





#42

2,4,6-Tribromophenol

Concen: 5.880 ng

RT: 15.884 min Scan# 2205

Delta R.T. -0.023 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-10062025

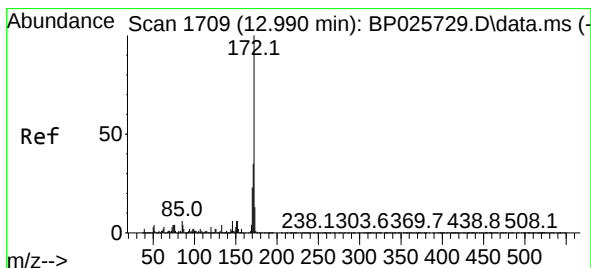
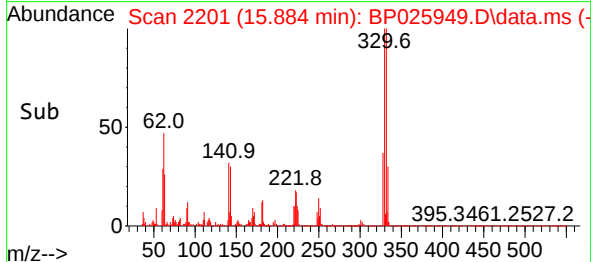
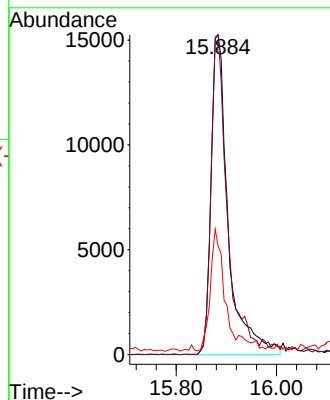
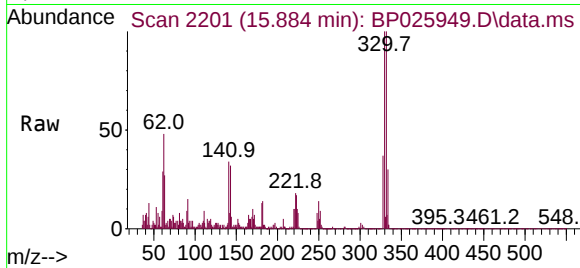
Tgt Ion:	330	Resp:	36262
Ion Ratio	Lower	Upper	
330	100		
332	94.3	76.9	115.3
141	29.9	31.0	46.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 10/08/2025



#45

2-Fluorobiphenyl

Concen: 4.428 ng

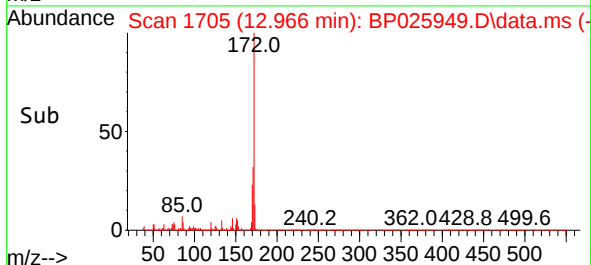
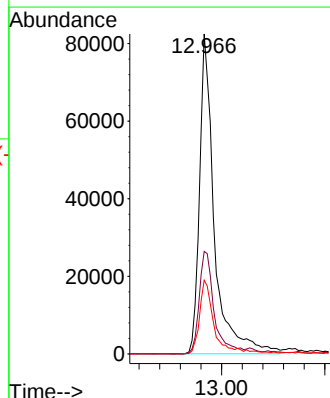
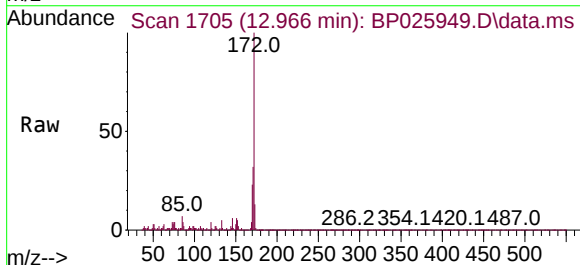
RT: 12.966 min Scan# 1705

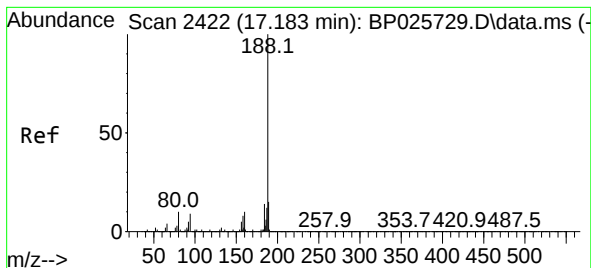
Delta R.T. -0.023 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Tgt Ion:	172	Resp:	164408
Ion Ratio	Lower	Upper	
172	100		
171	32.0	27.8	41.6
170	23.0	18.6	27.8





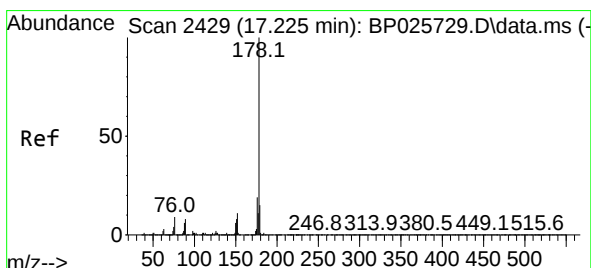
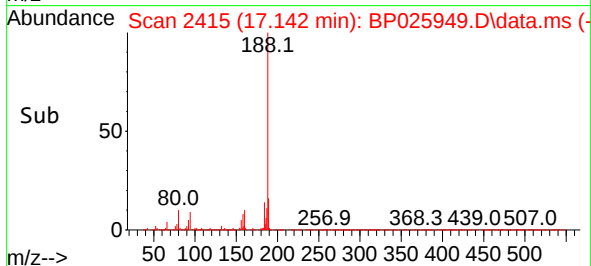
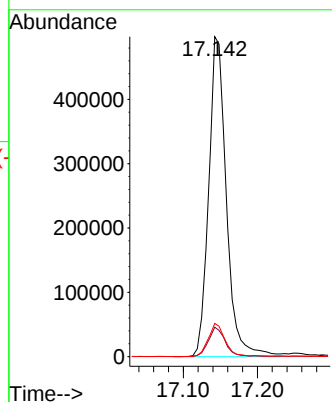
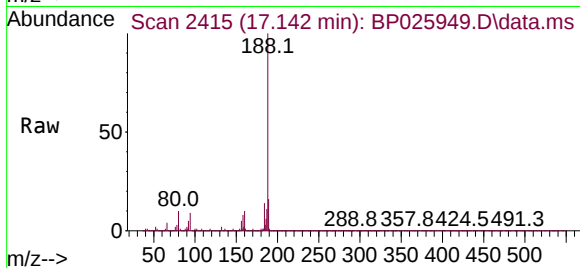
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.142 min Scan# 2422
Delta R.T. -0.041 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

Instrument :
BNA_P
ClientSampleId :
HD-02-10062025

Tgt Ion:188 Resp: 826130
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.0
80 10.4 7.7 11.5

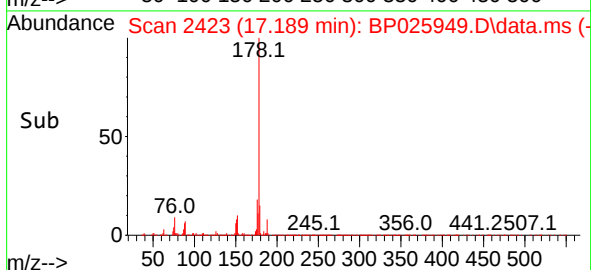
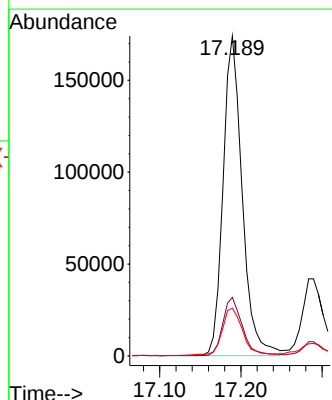
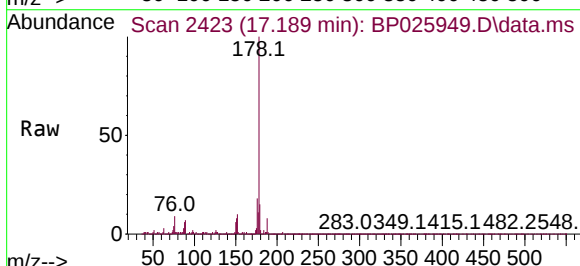
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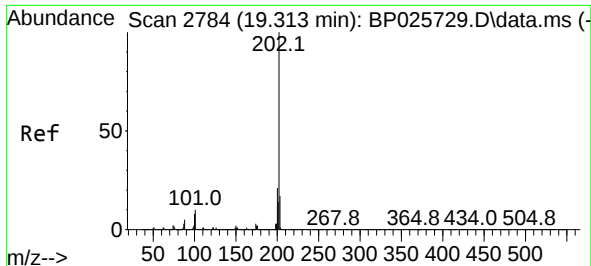
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#71
Phenanthrene
Concen: 6.050 ng
RT: 17.189 min Scan# 2423
Delta R.T. -0.035 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

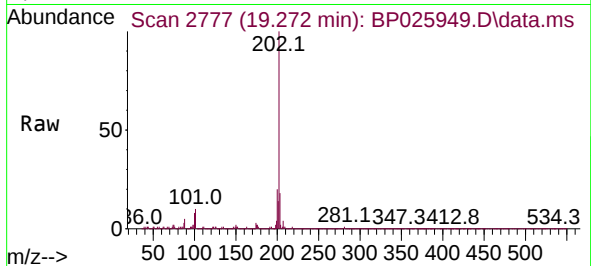
Tgt Ion:178 Resp: 283521
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.9 12.2 18.4





#75
Fluoranthene
Concen: 8.532 ng
RT: 19.272 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

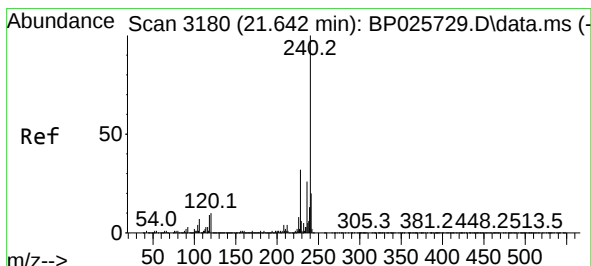
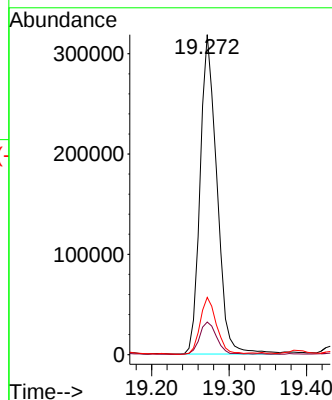
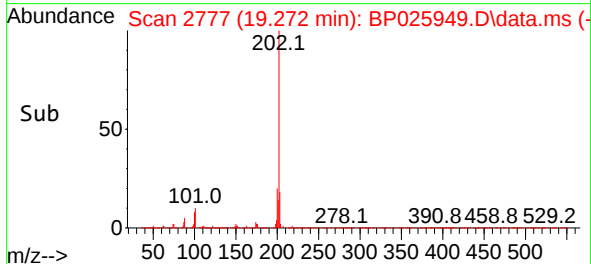
Instrument :
BNA_P
ClientSampleId :
HD-02-10062025



Tgt Ion:202 Resp: 479540
Ion Ratio Lower Upper
202 100
101 10.2 0.0 30.4
203 17.9 0.0 37.4

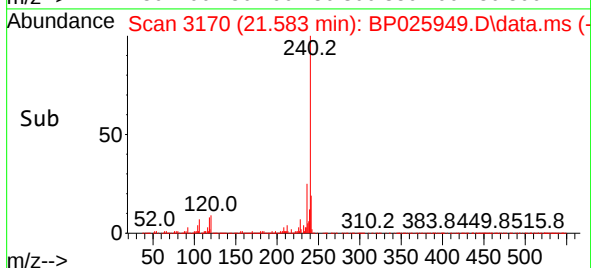
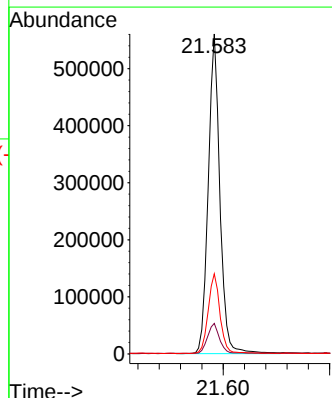
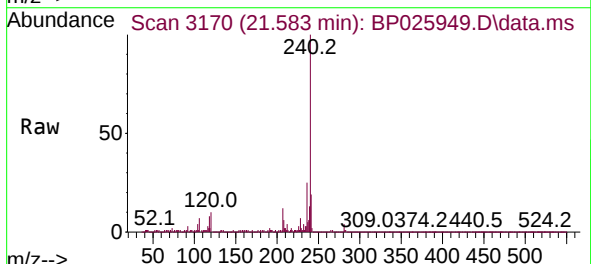
Manual Integrations
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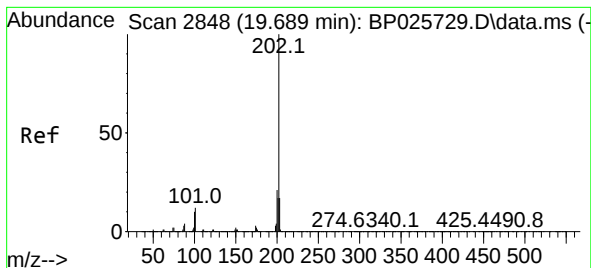
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.583 min Scan# 3170
Delta R.T. -0.059 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

Tgt Ion:240 Resp: 850396
Ion Ratio Lower Upper
240 100
120 9.5 8.0 12.0
236 25.0 20.7 31.1





#78

Pyrene

Concen: 8.118 ng

RT: 19.648 min Scan# 2841

Delta R.T. -0.041 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-10062025

Tgt Ion:202 Resp: 460616

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

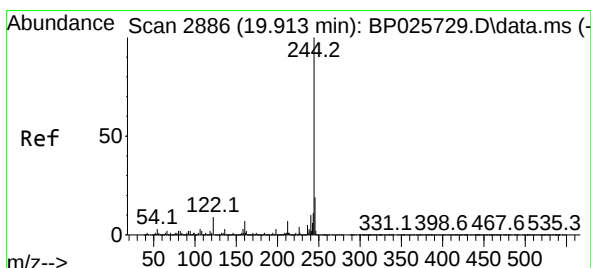
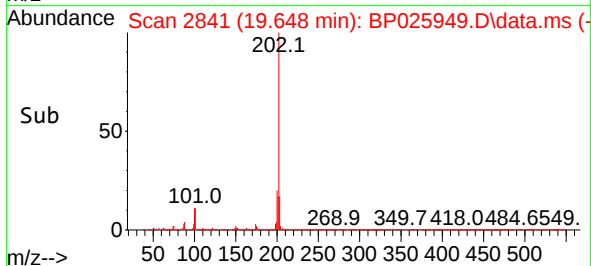
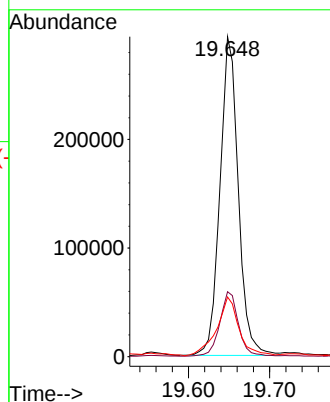
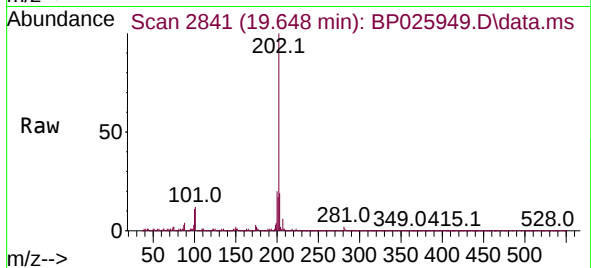
203 18.6 13.9 20.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#79

Terphenyl-d14

Concen: 5.338 ng

RT: 19.860 min Scan# 2877

Delta R.T. -0.053 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

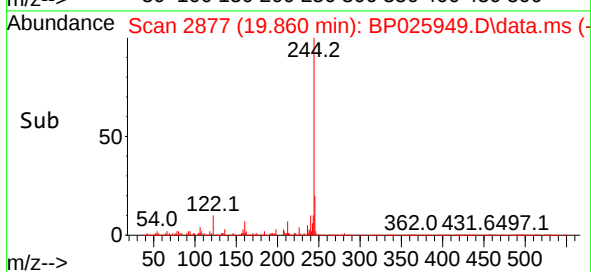
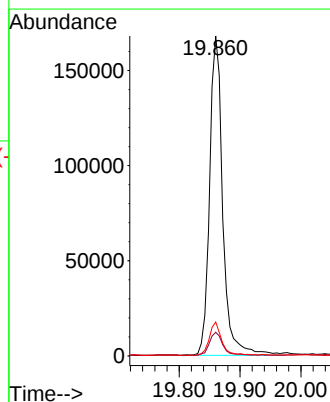
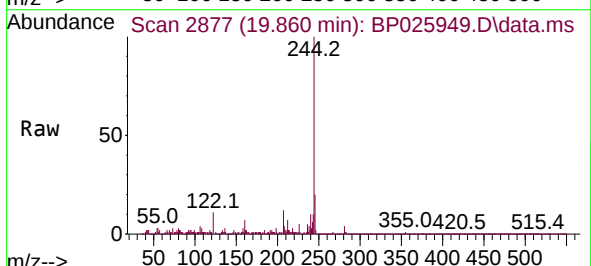
Tgt Ion:244 Resp: 252309

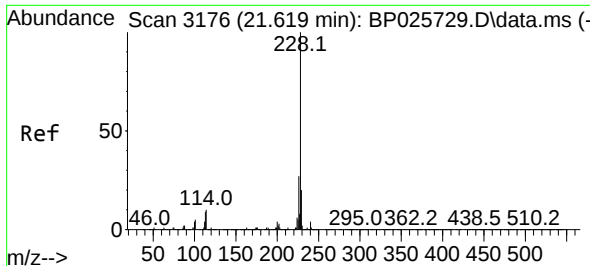
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

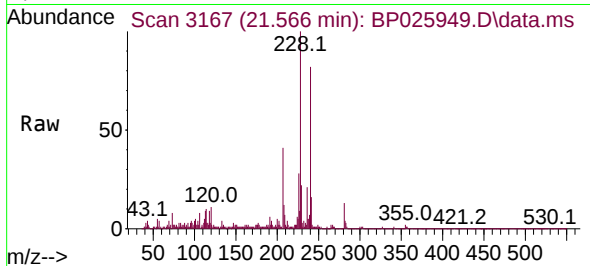
122 10.6 7.1 10.7





#81
Benzo(a)anthracene
Concen: 4.749 ng
RT: 21.566 min Scan# 3176
Delta R.T. -0.053 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

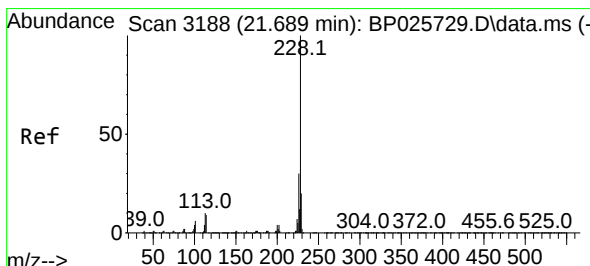
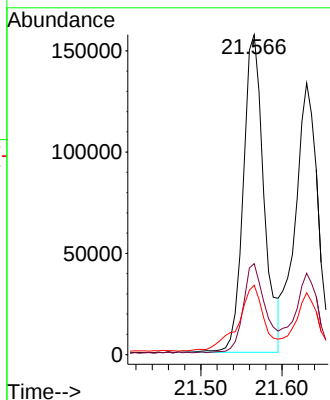
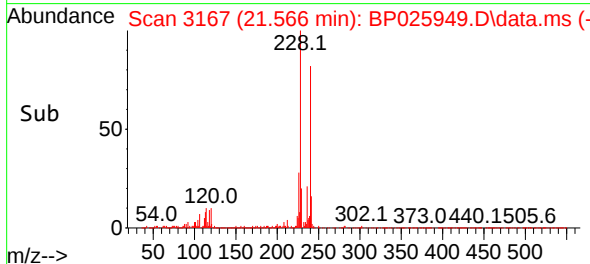
Instrument : BNA_P
ClientSampleId : HD-02-10062025



Tgt Ion:228 Resp: 276475
Ion Ratio Lower Upper
228 100
226 28.4 21.6 32.4
229 21.7 15.7 23.5

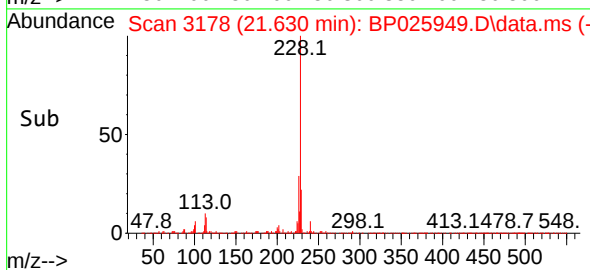
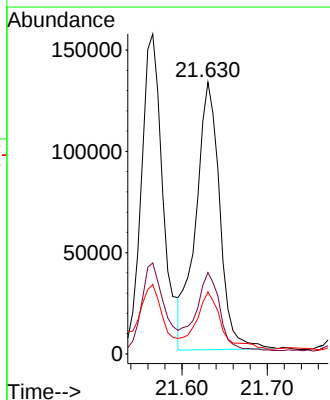
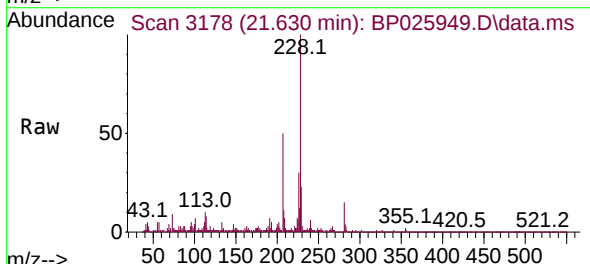
Manual Integrations
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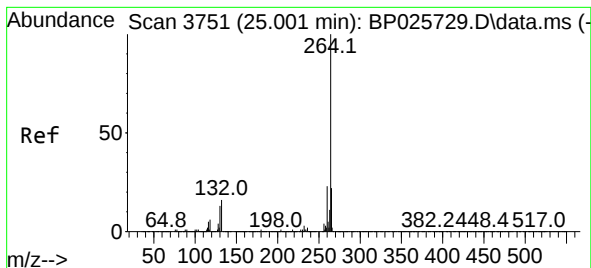
Reviewed By :Rahul Chavli 10/08/2025
Supervised By :Jagrut Upadhyay 10/08/2025



#83
Chrysene
Concen: 4.663 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.059 min
Lab File: BP025949.D
Acq: 07 Oct 2025 19:21

Tgt Ion:228 Resp: 258765
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.6
229 22.7 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: BP025949.D

Acq: 07 Oct 2025 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-10062025

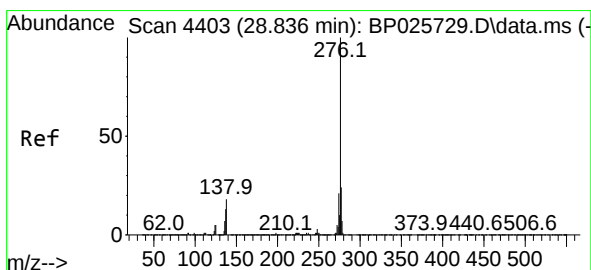
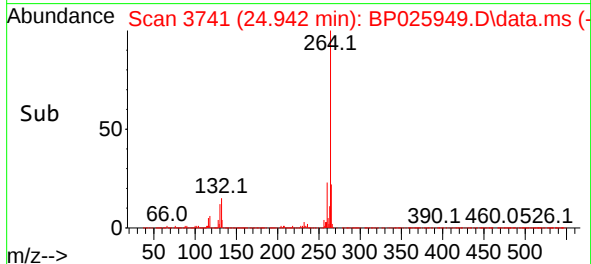
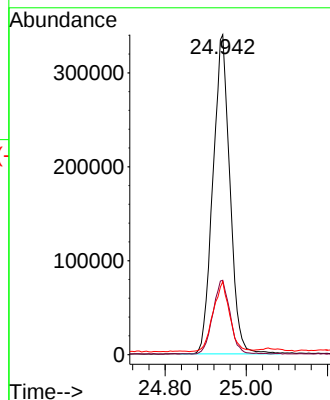
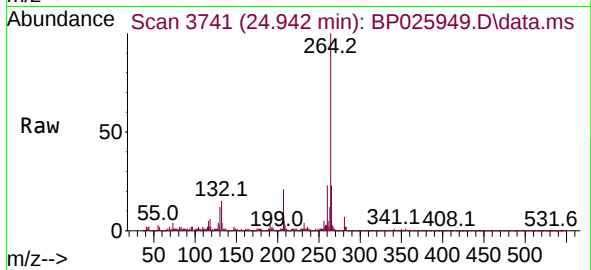
Tgt Ion:264 Resp: 987752
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.3 27.5
 265 22.8 17.3 25.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.393 ng

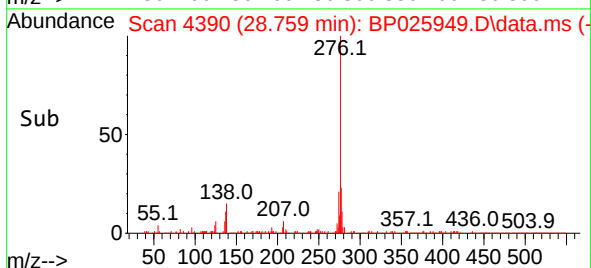
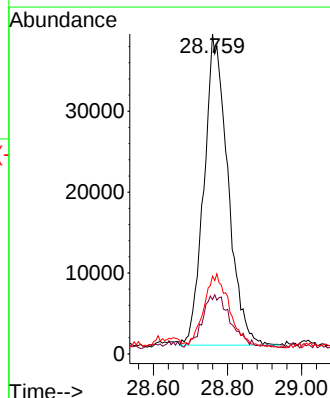
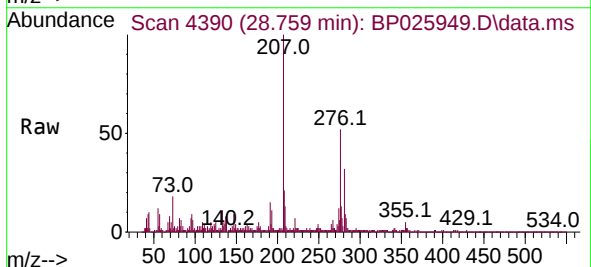
RT: 28.759 min Scan# 4390

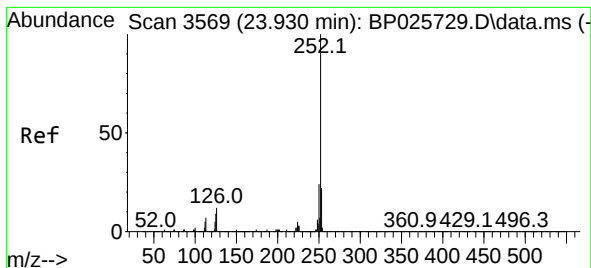
Delta R.T. -0.076 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Tgt Ion:276 Resp: 171903
 Ion Ratio Lower Upper
 276 100
 138 19.6 13.4 20.2
 277 25.1 9.1 13.7#





#88

Benzo(b)fluoranthene

Concen: 5.923 ng

RT: 23.877 min Scan# 3570

Delta R.T. -0.053 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-10062025

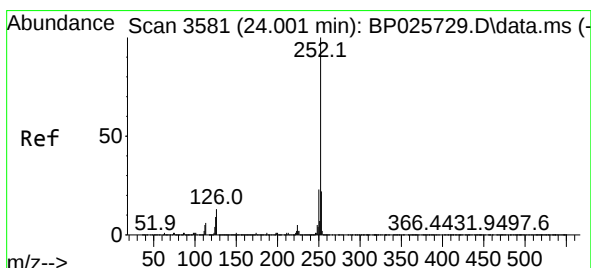
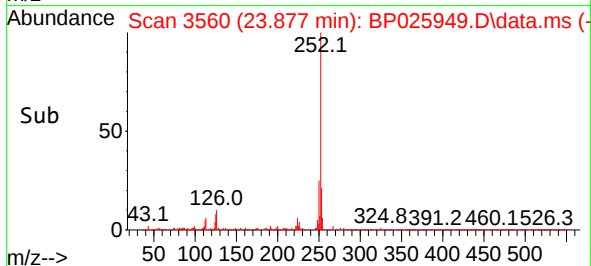
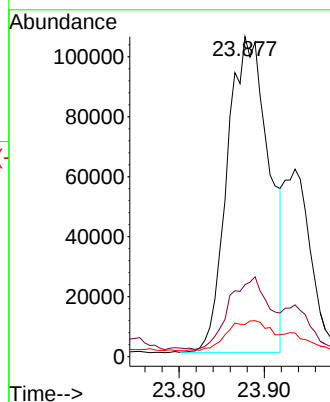
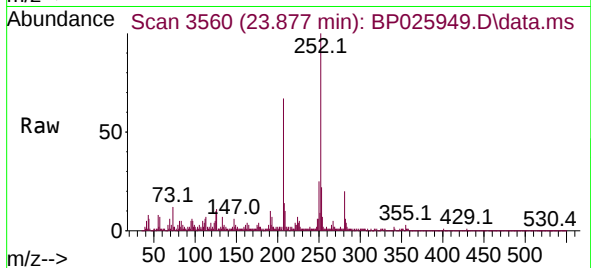
Tgt Ion:252 Resp: 357763
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.9 26.9
 125 10.0 7.3 10.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#89

Benzo(k)fluoranthene

Concen: 2.080 ng m

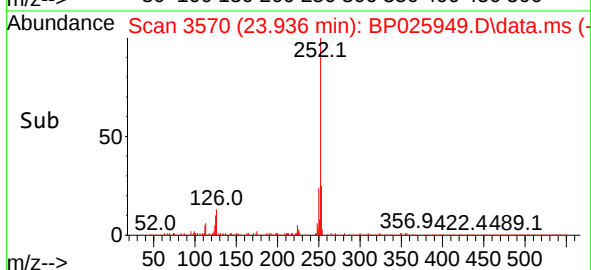
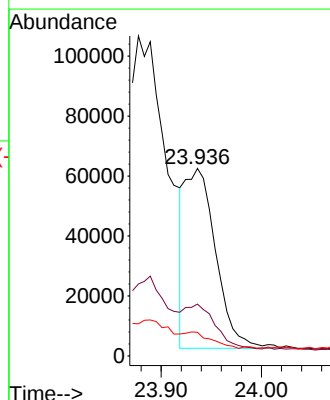
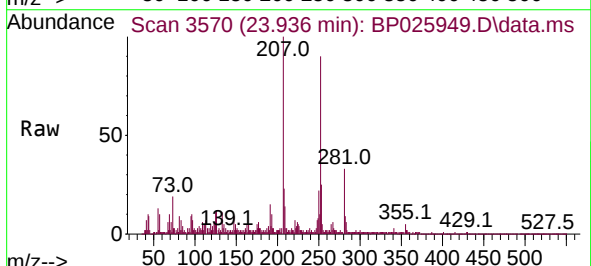
RT: 23.936 min Scan# 3570

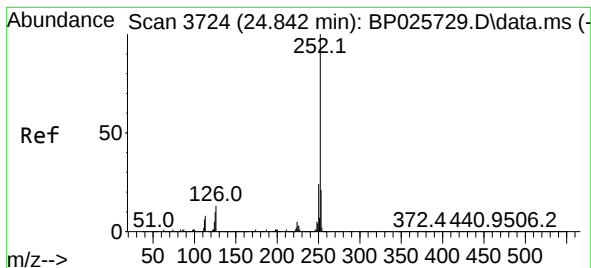
Delta R.T. -0.065 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Tgt Ion:252 Resp: 128211
 Ion Ratio Lower Upper
 252 100
 253 27.6 17.5 26.3#
 125 12.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.309 ng

RT: 24.777 min Scan# 31

Delta R.T. -0.065 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Instrument :

BNA_P

ClientSampleId :

HD-02-10062025

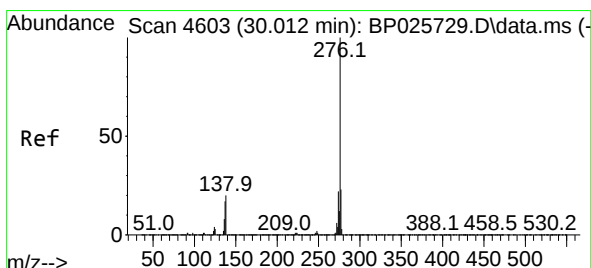
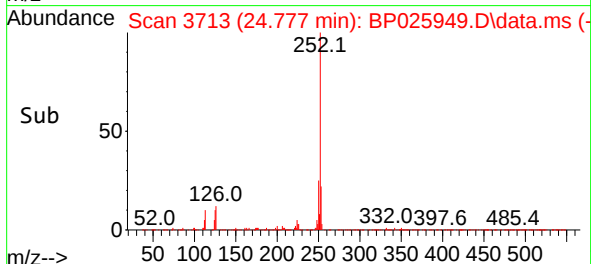
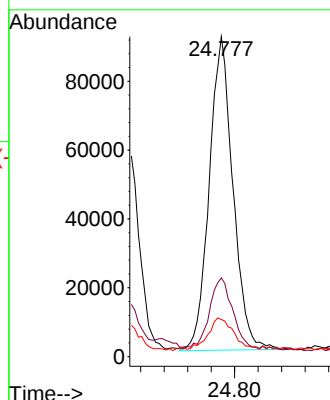
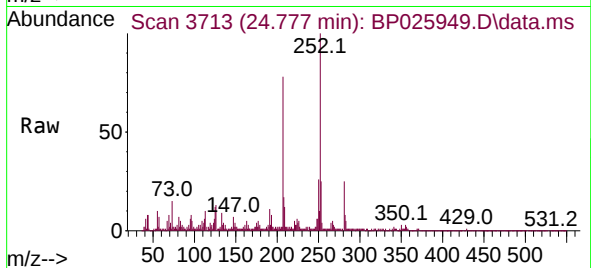
Tgt Ion:	252	Resp:	254900
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.2	25.8
125	11.6	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/08/2025

Supervised By :Jagrut Upadhyay 10/08/2025



#92

Benzo(g,h,i)perylene

Concen: 2.951 ng

RT: 29.942 min Scan# 4591

Delta R.T. -0.071 min

Lab File: BP025949.D

Acq: 07 Oct 2025 19:21

Tgt Ion:	276	Resp:	170619
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.7	28.1
138	19.2	16.0	24.0

