

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025321.D
 Acq On : 07 Aug 2025 19:56
 Operator : CG/JU
 Sample : Q2783-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT5414

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/08/2025
 Supervised By :Jagrut Upadhyay 08/11/2025

Quant Time: Aug 08 01:05:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	297376	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1246304	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	774662	20.000	ng	0.00
64) Phenanthrene-d10	17.213	188	1546508	20.000	ng	-0.01
76) Chrysene-d12	21.654	240	1492574	20.000	ng	0.00
86) Perylene-d12	25.042	264	1625527	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	590626	31.944	ng	0.00
7) Phenol-d6	6.960	99	784705	32.248	ng	0.00
23) Nitrobenzene-d5	8.937	82	475792	21.150	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	288619	37.346	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1166609	20.800	ng	0.00
79) Terphenyl-d14	19.930	244	2923855	37.000	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.254	178	213223	2.517	ng	99
75) Fluoranthene	19.336	202	404734	4.128	ng	98
78) Pyrene	19.701	202	572824	5.771	ng	100
81) Benzo(a)anthracene	21.636	228	280988	2.833	ng	94
83) Chrysene	21.701	228	325355m	3.537	ng	
88) Benzo(b)fluoranthene	23.971	252	365552	3.757	ng	# 94
90) Benzo(a)pyrene	24.871	252	281749	3.007	ng	# 96
92) Benzo(g,h,i)perylene	30.053	276	225403	2.407	ng	95

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

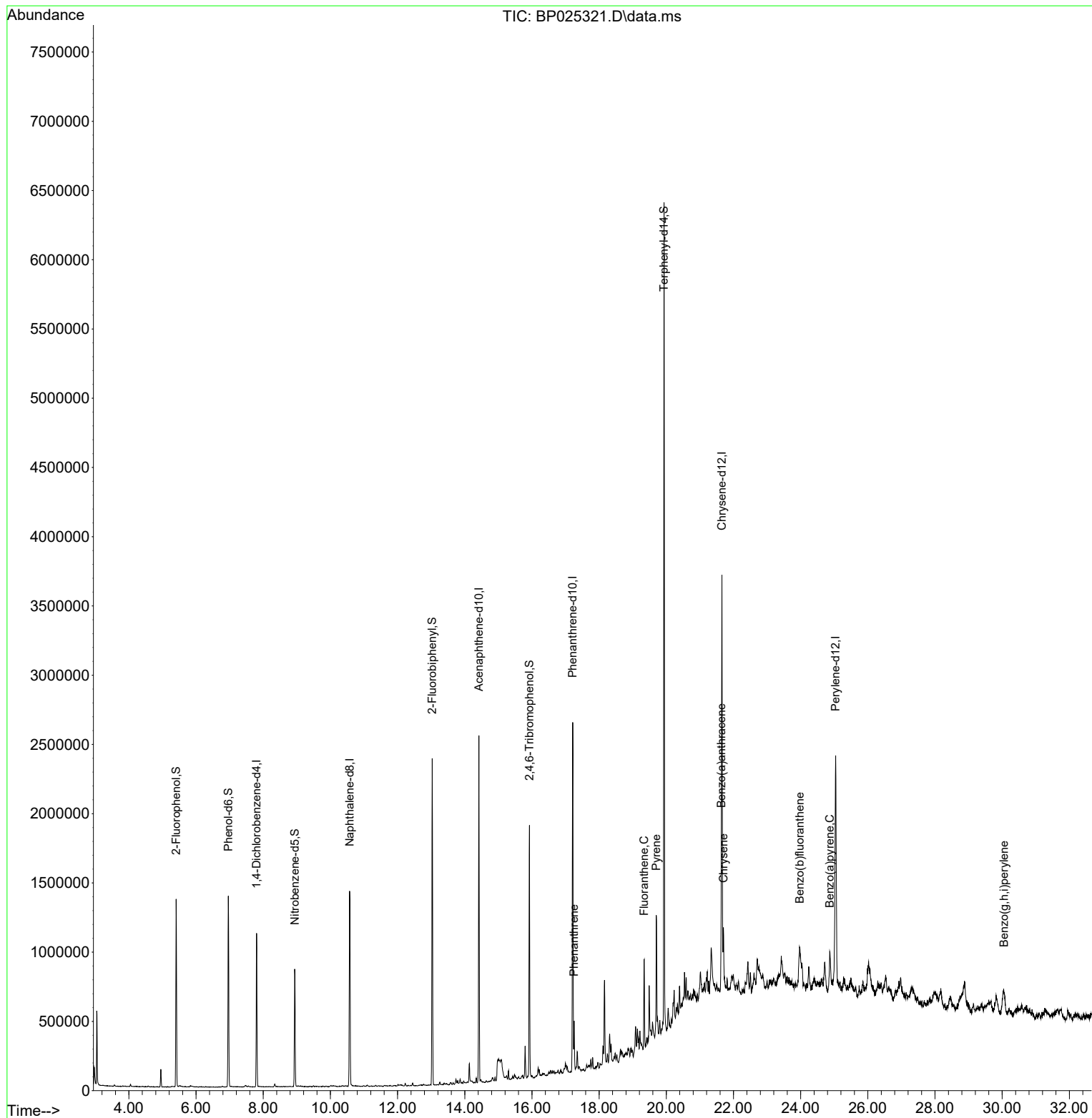
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
Data File : BP025321.D
Acq On : 07 Aug 2025 19:56
Operator : CG/JU
Sample : Q2783-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

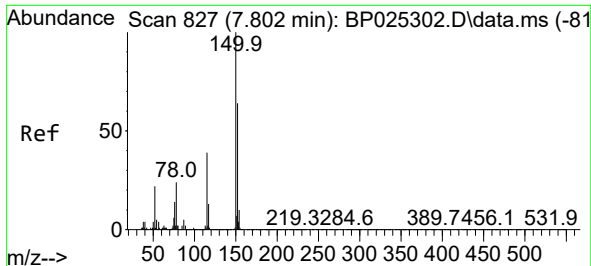
Instrument :
BNA_P
ClientSampleId :
RT5414

Quant Time: Aug 08 01:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration

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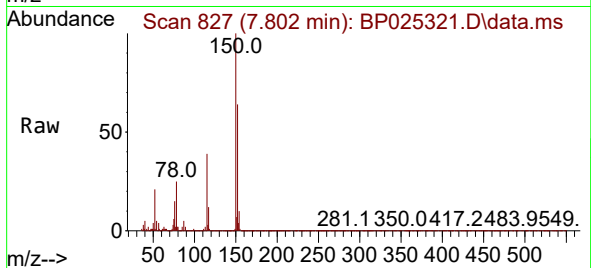
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

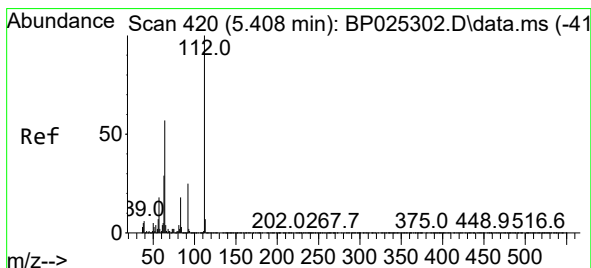
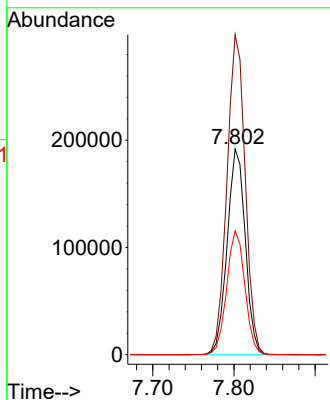
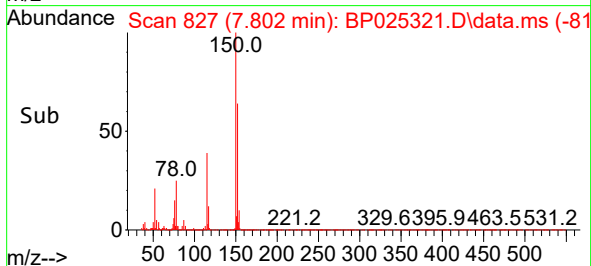
Instrument :
BNA_P
ClientSampleId :
RT5414



Tgt Ion:152 Resp: 297370
Ion Ratio Lower Upper
152 100
150 155.5 125.1 187.7
115 60.2 48.4 72.6

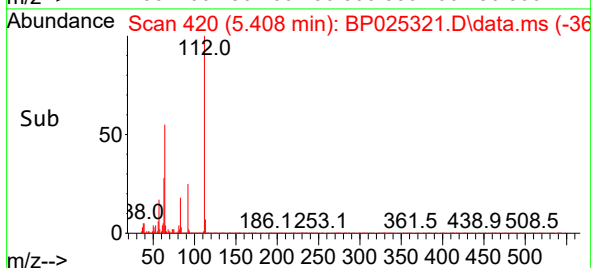
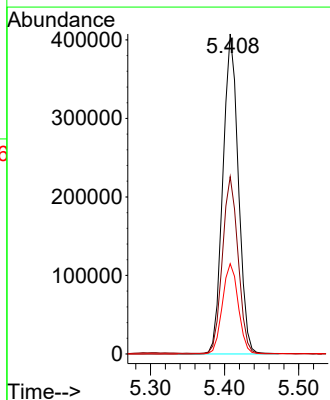
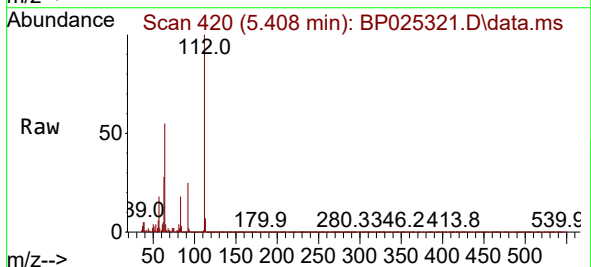
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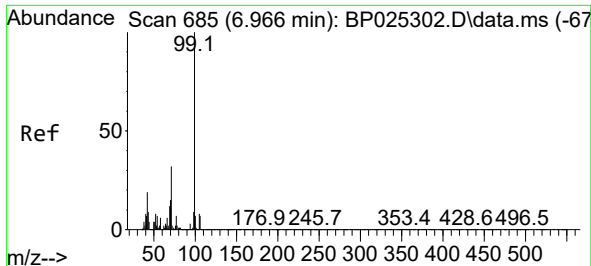
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#5
2-Fluorophenol
Concen: 31.944 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Tgt Ion:112 Resp: 590626
Ion Ratio Lower Upper
112 100
64 55.4 45.3 67.9
63 28.2 23.0 34.6





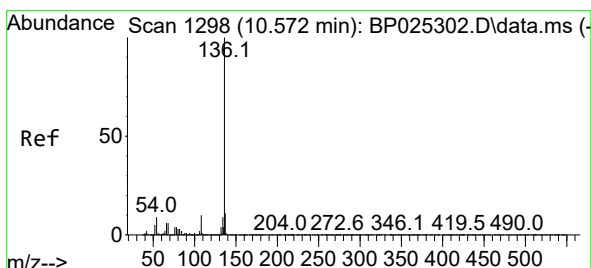
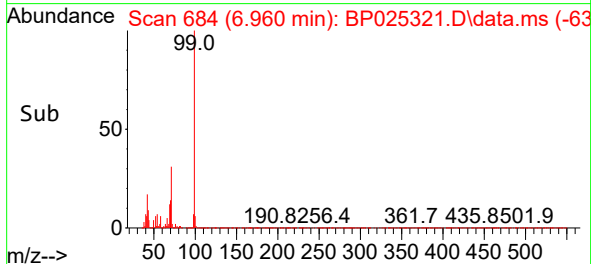
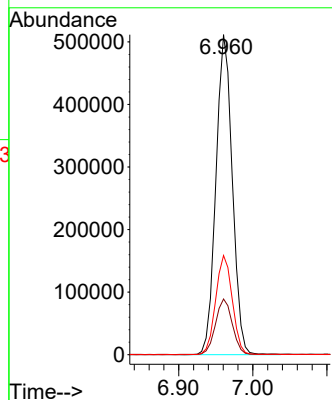
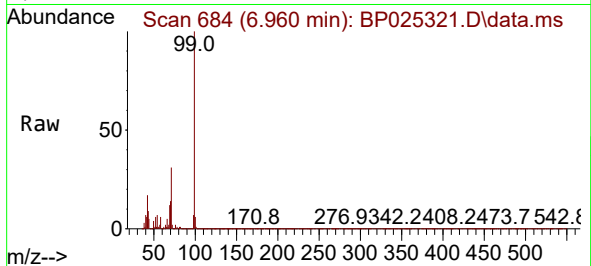
#7
Phenol-d6
Concen: 32.248 ng
RT: 6.960 min Scan# 685
Delta R.T. -0.006 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Instrument :
BNA_P
ClientSampleId :
RT5414

Tgt Ion: 99 Resp: 78470
Ion Ratio Lower Upper
99 100
42 17.4 15.0 22.6
71 31.0 25.5 38.3

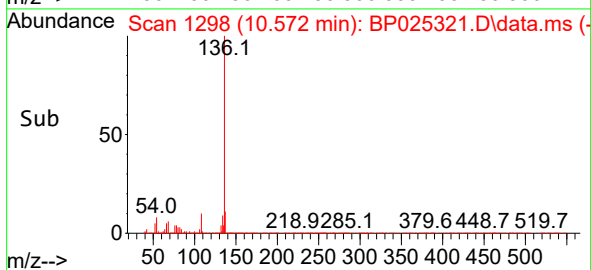
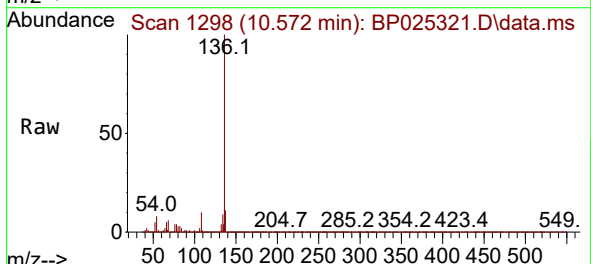
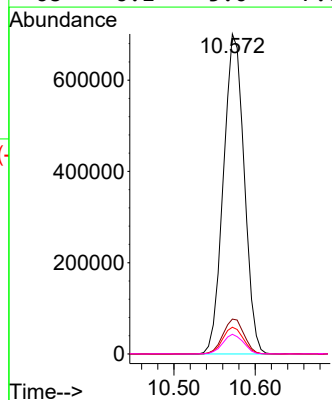
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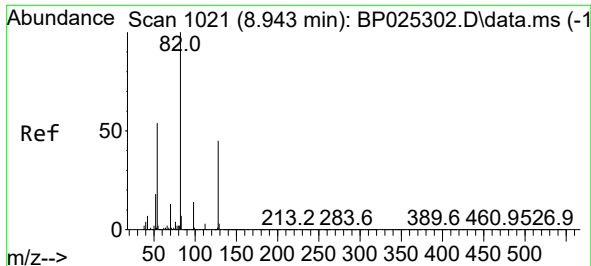
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

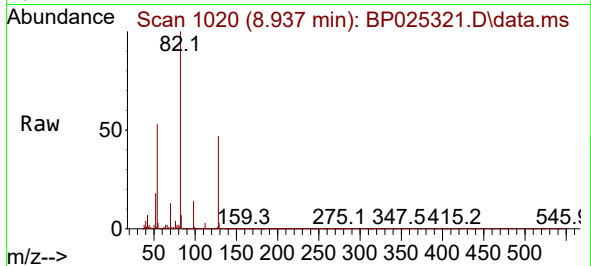
Tgt Ion:136 Resp: 1246304
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.3 7.0 10.6
68 6.1 5.0 7.6





#23
Nitrobenzene-d5
Concen: 21.150 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

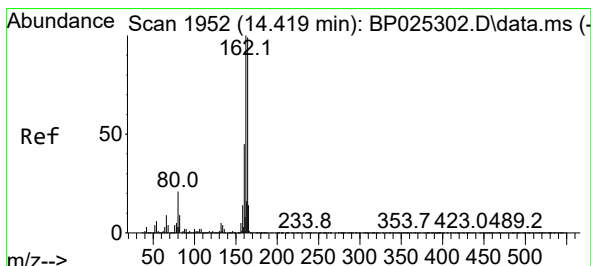
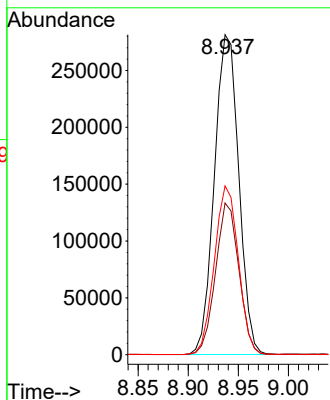
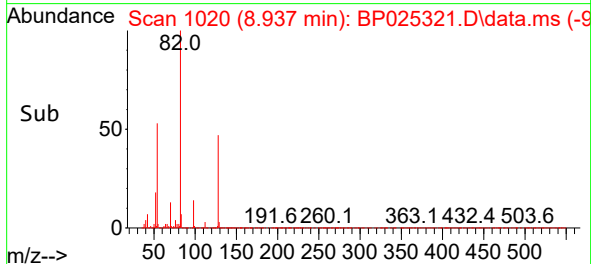
Instrument :
BNA_P
ClientSampleId :
RT5414



Tgt Ion: 82 Resp: 475792
Ion Ratio Lower Upper
82 100
128 47.4 35.4 53.2
54 52.8 42.9 64.3

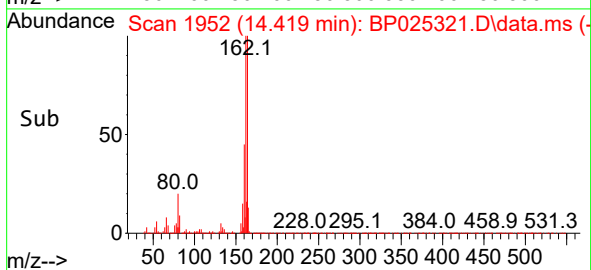
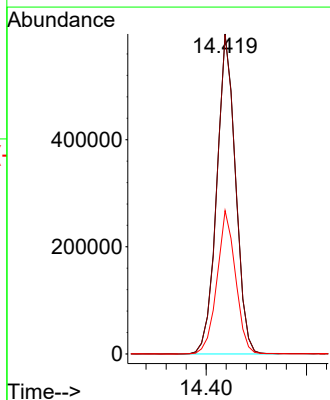
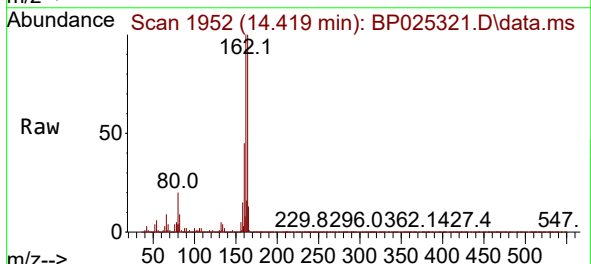
Manual Integrations
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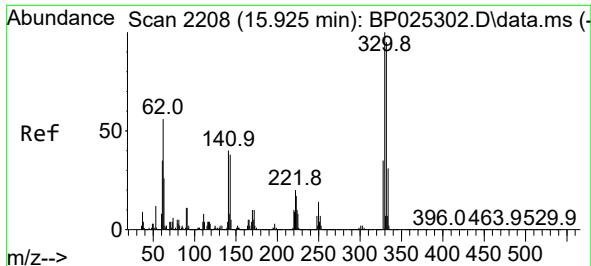
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

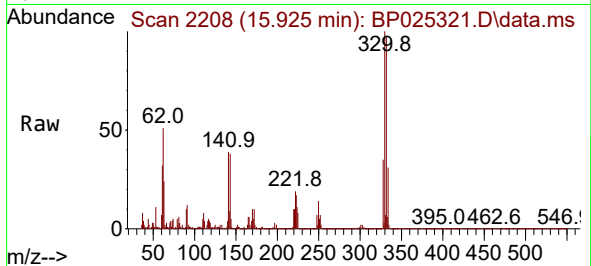
Tgt Ion:164 Resp: 774662
Ion Ratio Lower Upper
164 100
162 99.8 80.6 120.8
160 44.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 37.346 ng
RT: 15.925 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

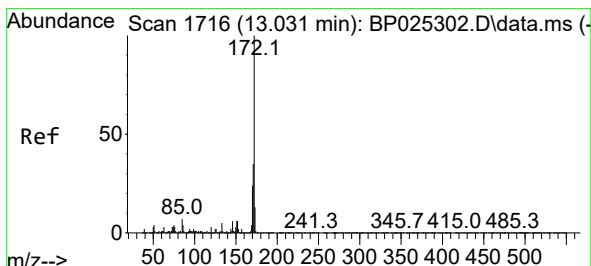
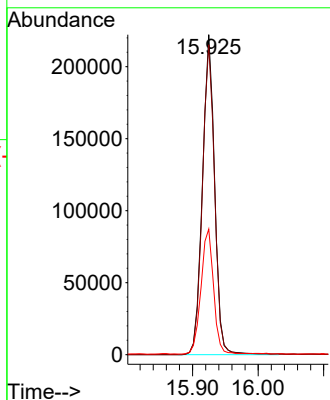
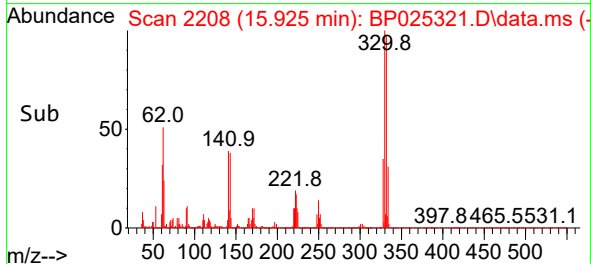
Instrument :
BNA_P
ClientSampleId :
RT5414



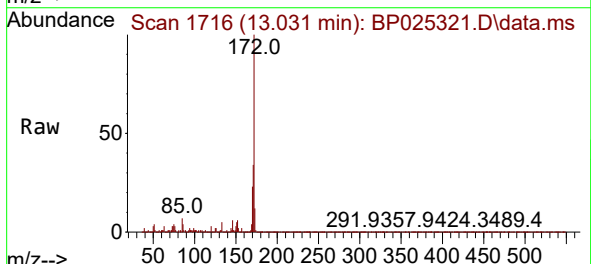
Tgt Ion:330 Resp: 288619
Ion Ratio Lower Upper
330 100
332 97.3 77.4 116.0
141 40.0 31.7 47.5

Manual Integrations
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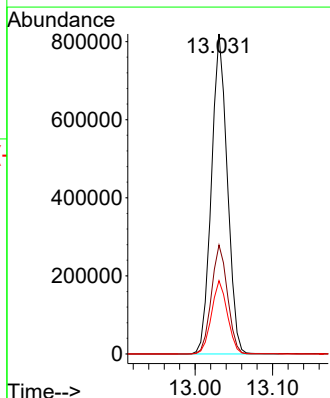
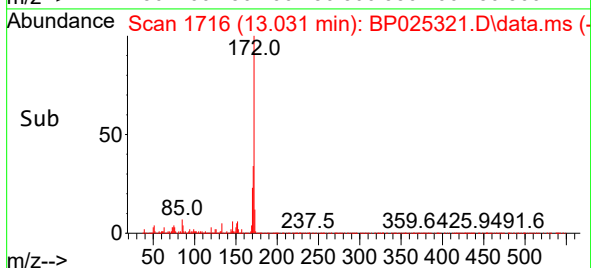
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025

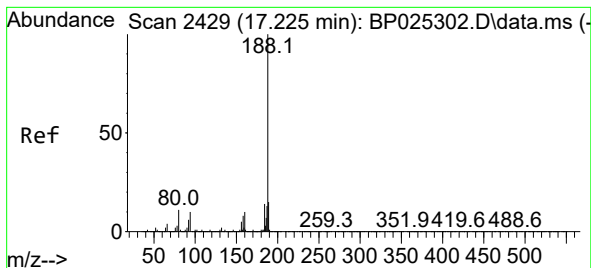


#45
2-Fluorobiphenyl
Concen: 20.800 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56



Tgt Ion:172 Resp: 1166609
Ion Ratio Lower Upper
172 100
171 34.1 27.9 41.9
170 22.9 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.213 min Scan# 2427

Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

Tgt Ion:188 Resp: 1546508

Ion Ratio Lower Upper

188 100

94 9.9 8.0 12.0

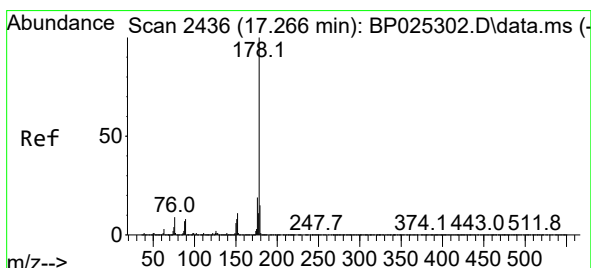
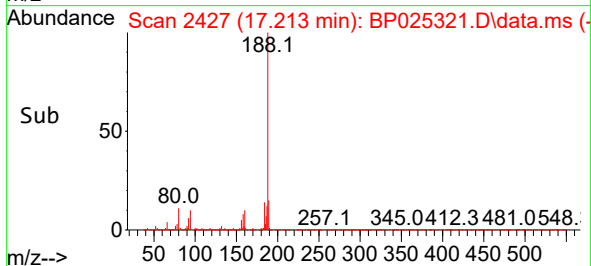
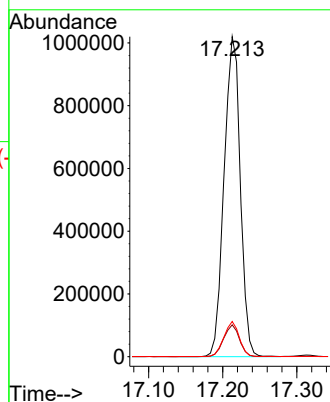
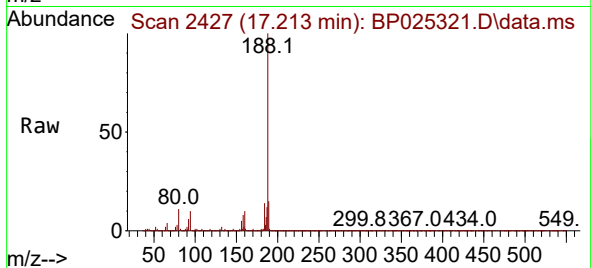
80 11.0 8.5 12.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/08/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#71

Phenanthrene

Concen: 2.517 ng

RT: 17.254 min Scan# 2434

Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

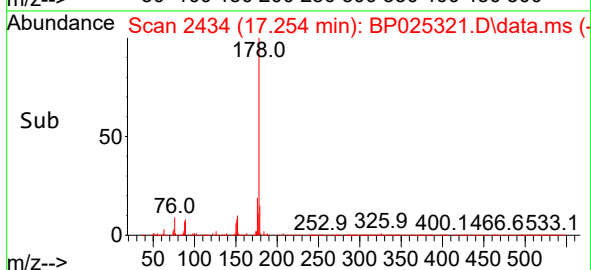
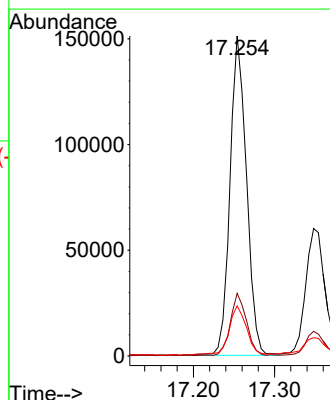
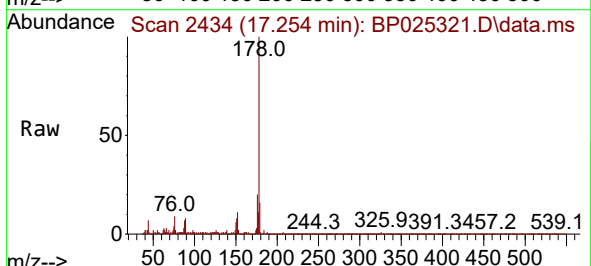
Tgt Ion:178 Resp: 213223

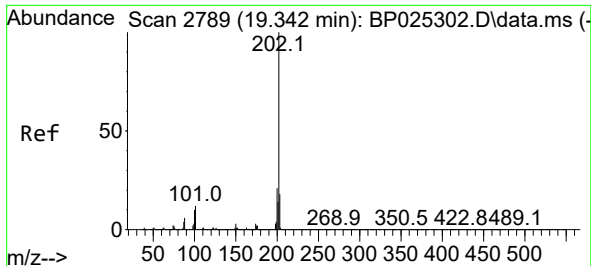
Ion Ratio Lower Upper

178 100

176 19.6 15.3 22.9

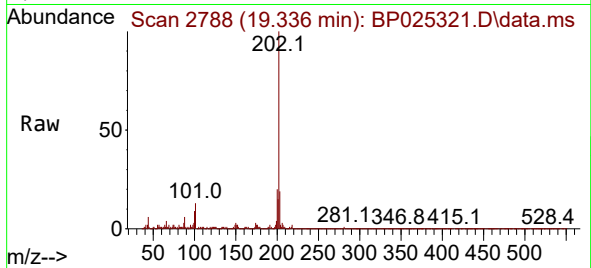
179 15.7 12.1 18.1





#75
Fluoranthene
Concen: 4.128 ng
RT: 19.336 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

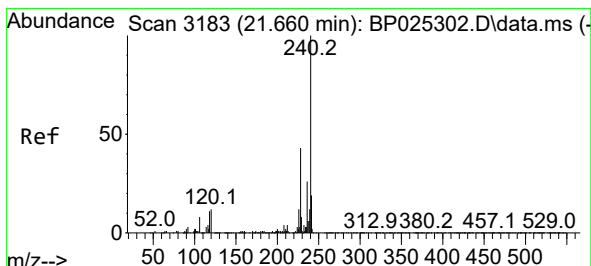
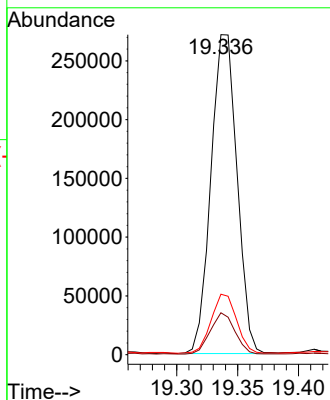
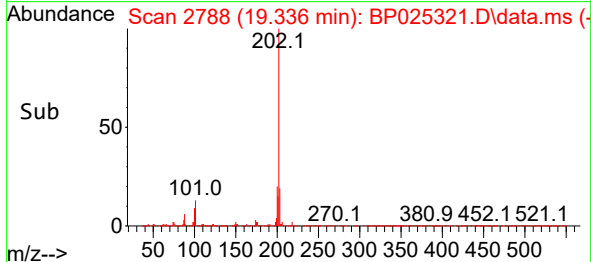
Instrument :
BNA_P
ClientSampleId :
RT5414



Tgt Ion:202 Resp: 404734
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.5
203 18.9 0.0 37.6

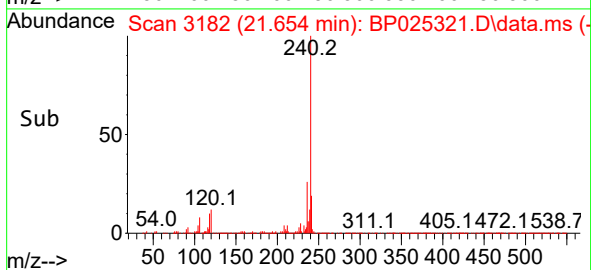
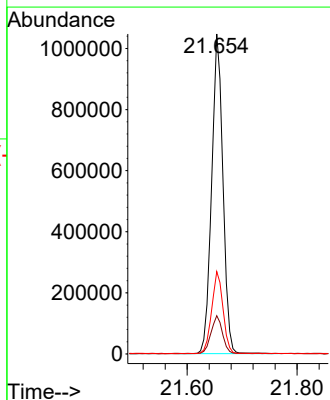
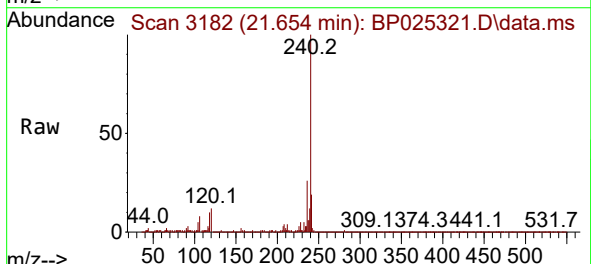
Manual Integrations
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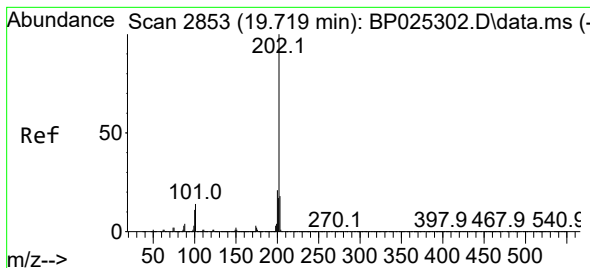
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025321.D
Acq: 07 Aug 2025 19:56

Tgt Ion:240 Resp: 1492574
Ion Ratio Lower Upper
240 100
120 12.0 9.6 14.4
236 25.7 20.4 30.6





#78

Pyrene

Concen: 5.771 ng

RT: 19.701 min Scan# 2850

Delta R.T. -0.018 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

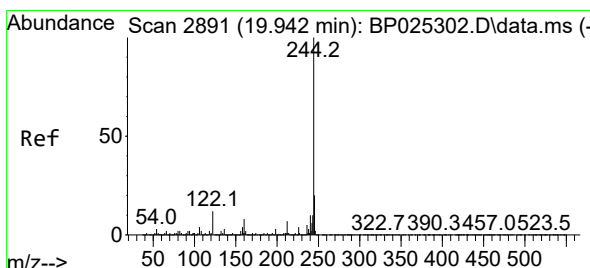
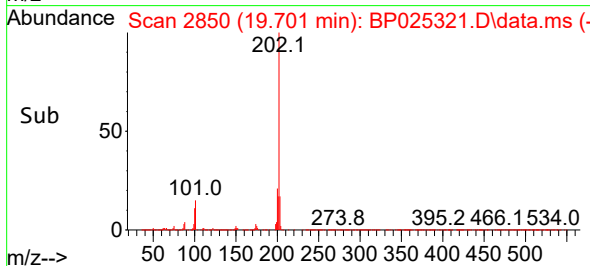
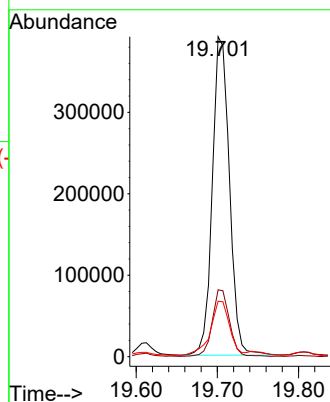
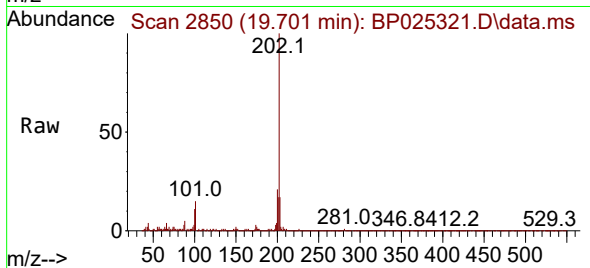
Tgt Ion:	202	Resp:	572824
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.7	25.1
203	17.4	14.1	21.1

Manual Integrations

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#79

Terphenyl-d14

Concen: 37.000 ng

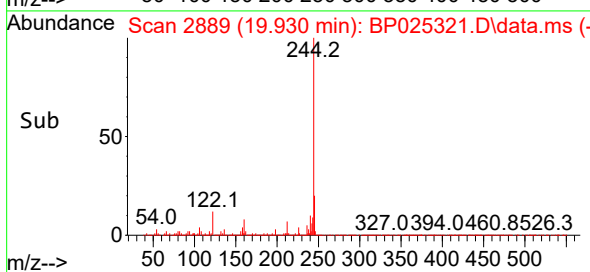
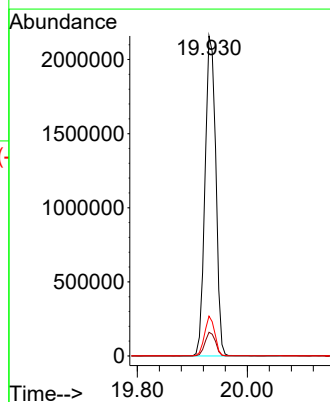
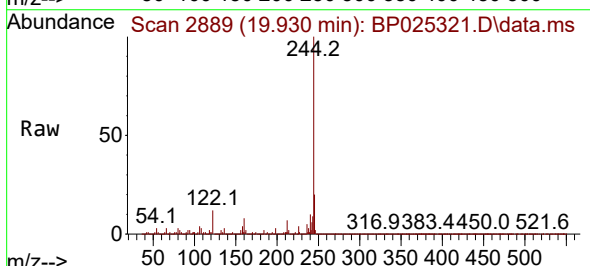
RT: 19.930 min Scan# 2889

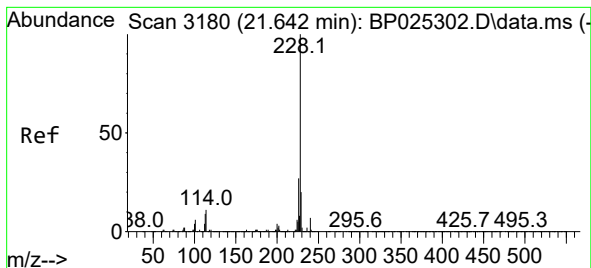
Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Tgt Ion:	244	Resp:	2923855
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.9	8.9
122	12.5	9.5	14.3





#81

Benzo(a)anthracene

Concen: 2.833 ng

RT: 21.636 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

Tgt Ion:228 Resp: 28098

Ion Ratio Lower Upper

228 100

226 30.8 21.8 32.8

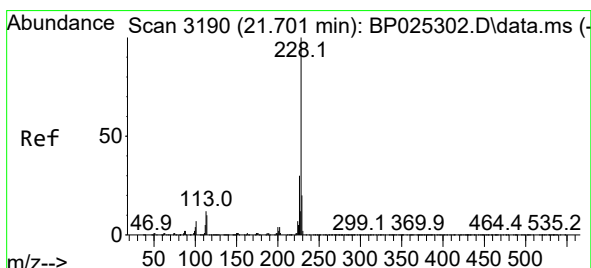
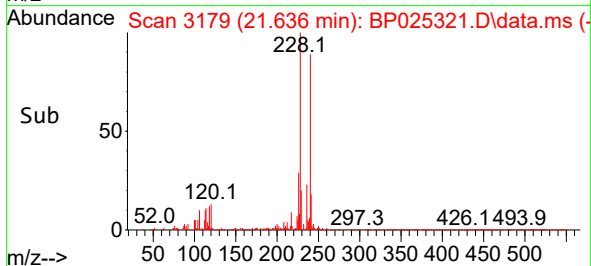
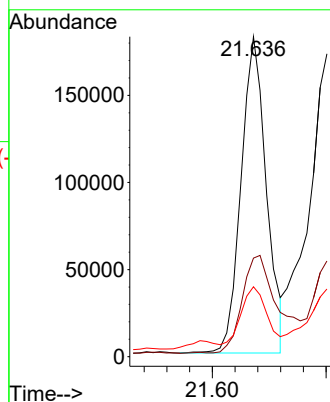
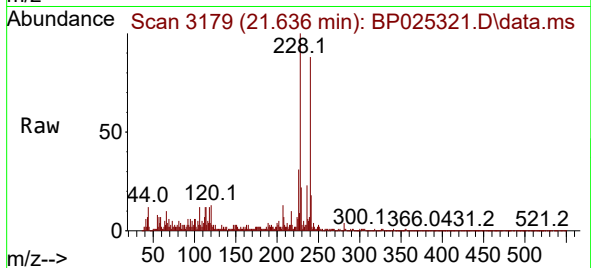
229 21.8 16.0 24.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/08/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#83

Chrysene

Concen: 3.537 ng m

RT: 21.701 min Scan# 3190

Delta R.T. -0.000 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

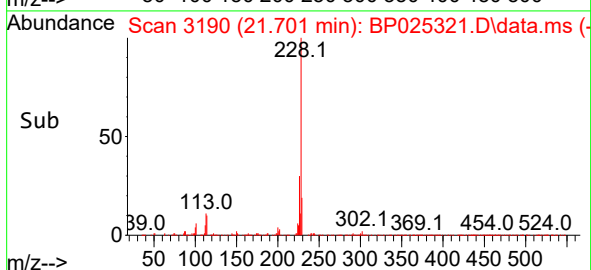
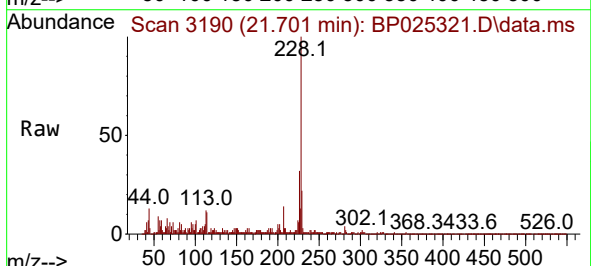
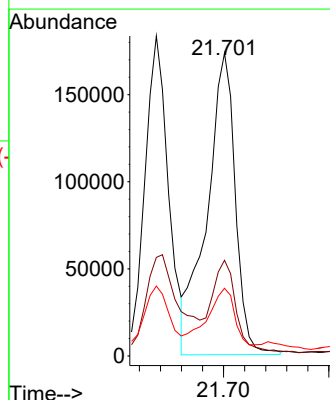
Tgt Ion:228 Resp: 325355

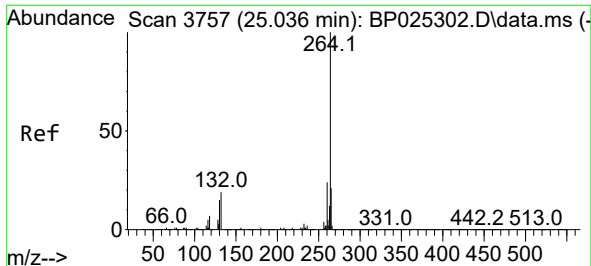
Ion Ratio Lower Upper

228 100

226 31.6 24.3 36.5

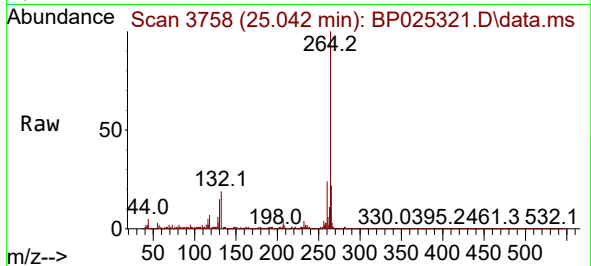
229 22.4 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.042 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BP025321.D
 Acq: 07 Aug 2025 19:56

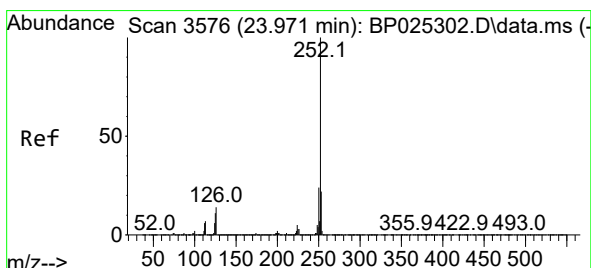
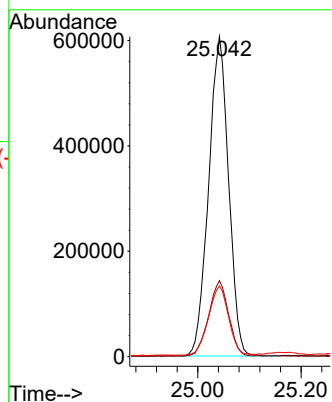
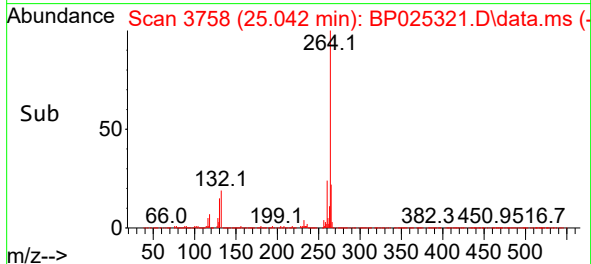
Instrument :
 BNA_P
 ClientSampleId :
 RT5414



Tgt Ion:264 Resp: 162552
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.1 17.1 25.7

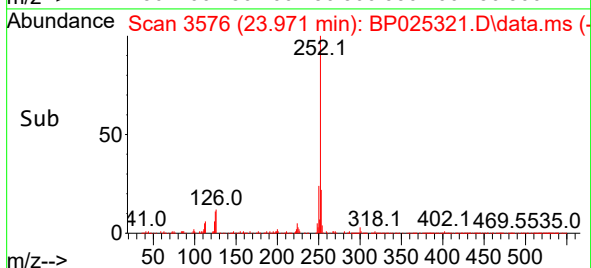
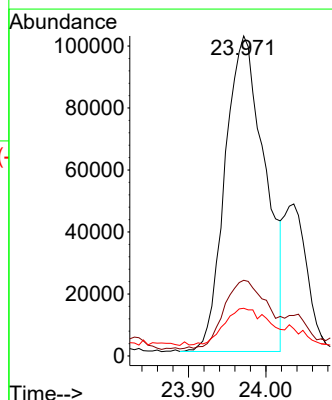
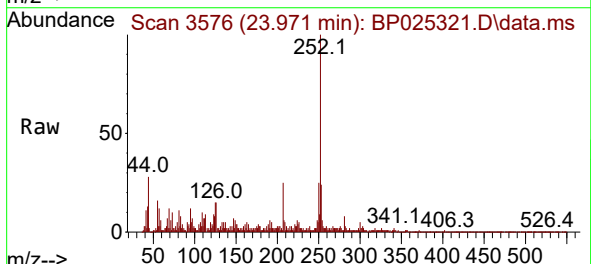
Manual Integrations
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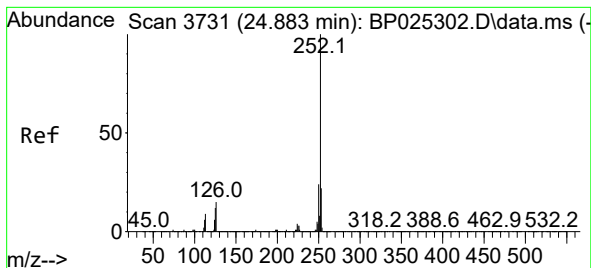
Reviewed By :Rahul Chavli 08/08/2025
 Supervised By :Jagrut Upadhyay 08/11/2025



#88
 Benzo(b)fluoranthene
 Concen: 3.757 ng
 RT: 23.971 min Scan# 3576
 Delta R.T. 0.000 min
 Lab File: BP025321.D
 Acq: 07 Aug 2025 19:56

Tgt Ion:252 Resp: 365552
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.5 26.3
 125 14.9 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 3.007 ng

RT: 24.871 min Scan# 3731

Delta R.T. -0.012 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Instrument :

BNA_P

ClientSampleId :

RT5414

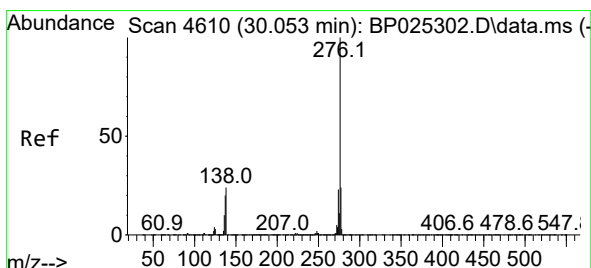
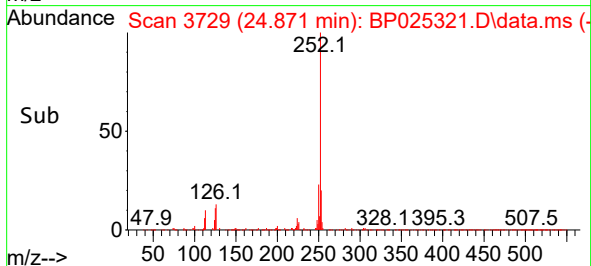
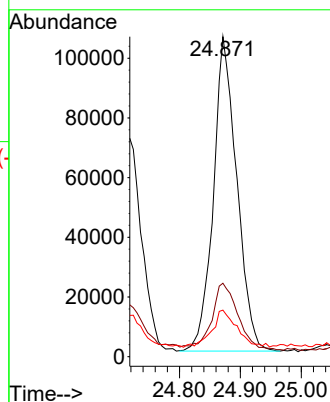
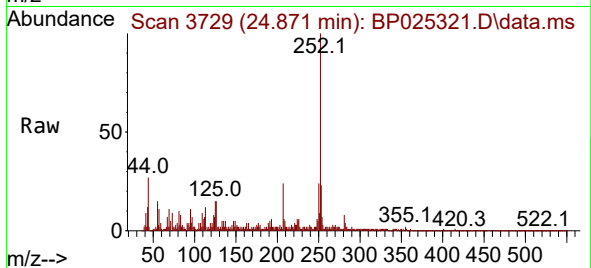
Tgt Ion:252 Resp: 281749
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.6 26.4
 125 14.5 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/08/2025

Supervised By :Jagrut Upadhyay 08/11/2025



#92

Benzo(g,h,i)perylene

Concen: 2.407 ng

RT: 30.053 min Scan# 4610

Delta R.T. 0.000 min

Lab File: BP025321.D

Acq: 07 Aug 2025 19:56

Tgt Ion:276 Resp: 225403
 Ion Ratio Lower Upper
 276 100
 277 26.5 19.3 28.9
 138 26.6 19.1 28.7

