

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
 Data File : BP025231.D
 Acq On : 23 Jul 2025 20:20
 Operator : CG/JU
 Sample : Q2639-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OU4-TS-38-071725RE

Quant Time: Jul 24 01:50:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 22 02:55:21 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.431	152	494228	20.000	ng	0.00
21) Naphthalene-d8	10.172	136	1941060	20.000	ng	0.00
39) Acenaphthene-d10	14.084	164	1257966	20.000	ng	0.00
64) Phenanthrene-d10	16.889	188	2582912	20.000	ng	0.00
76) Chrysene-d12	21.330	240	2791397	20.000	ng	0.00
86) Perylene-d12	24.471	264	3376004	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.102	112	1764143	60.312	ng	0.00
7) Phenol-d6	6.643	99	2224520	61.403	ng	0.00
23) Nitrobenzene-d5	8.566	82	1335924	38.248	ng	0.00
42) 2,4,6-Tribromophenol	15.613	330	1165401	62.841	ng	0.00
45) 2-Fluorobiphenyl	12.678	172	3319422	37.201	ng	0.00
79) Terphenyl-d14	19.672	244	5294842	37.444	ng	0.01
Target Compounds						Qvalue
49) Acenaphthylene	13.795	152	230422	2.001	ng	98
75) Fluoranthene	19.042	202	836009	5.099	ng	99
78) Pyrene	19.419	202	1046767	6.082	ng	99
81) Benzo(a)anthracene	21.319	228	737888m	4.186	ng	
83) Chrysene	21.377	228	868024m	5.275	ng	
87) Indeno(1,2,3-cd)pyrene	28.012	276	694882	2.817	ng	# 97
88) Benzo(b)fluoranthene	23.489	252	1063768	5.505	ng	# 95
89) Benzo(k)fluoranthene	23.542	252	412122m	2.160	ng	
90) Benzo(a)pyrene	24.324	252	938955	4.980	ng	97
92) Benzo(g,h,i)perylene	29.089	276	697220	3.525	ng	97

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

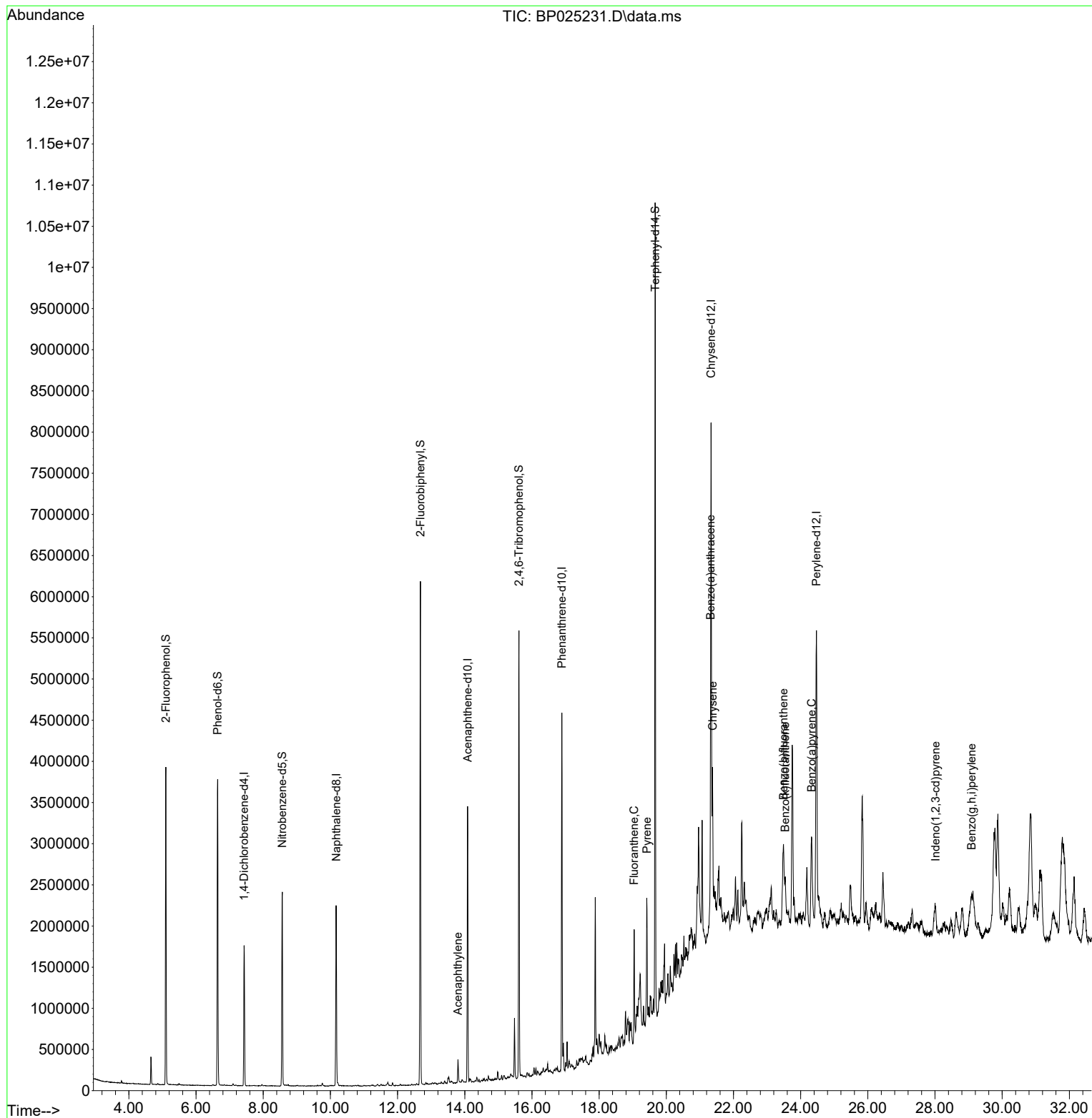
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072325\
Data File : BP025231.D
Acq On : 23 Jul 2025 20:20
Operator : CG/JU
Sample : Q2639-01RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE

Quant Time: Jul 24 01:50:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP072125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 22 02:55:21 2025
Response via : Initial Calibration

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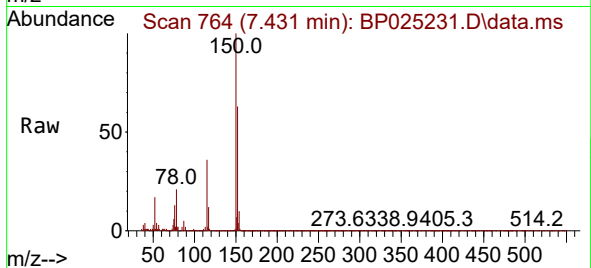
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.431 min Scan# 764
Delta R.T. 0.000 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

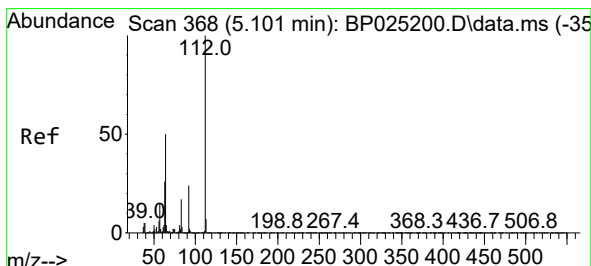
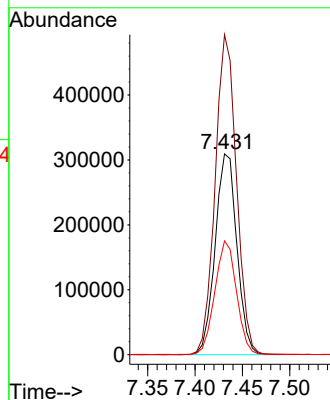
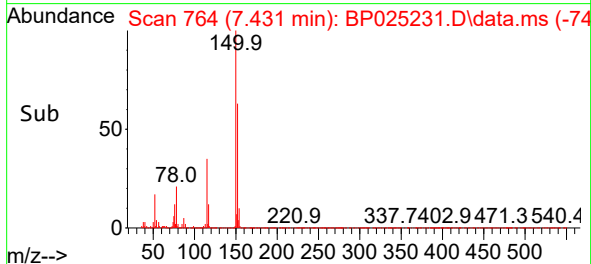
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE



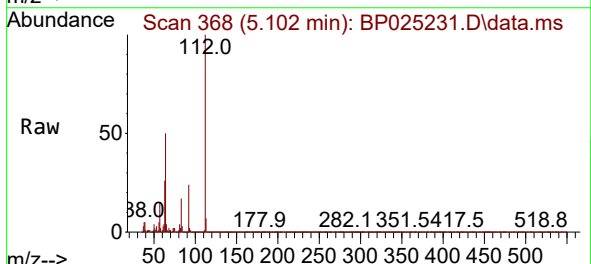
Tgt Ion:152 Resp: 494228
Ion Ratio Lower Upper
152 100
150 159.4 121.9 182.9
115 56.7 43.0 64.6

Manual Integrations
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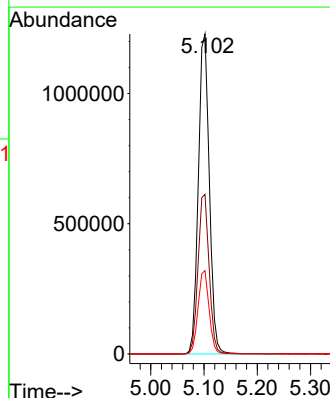
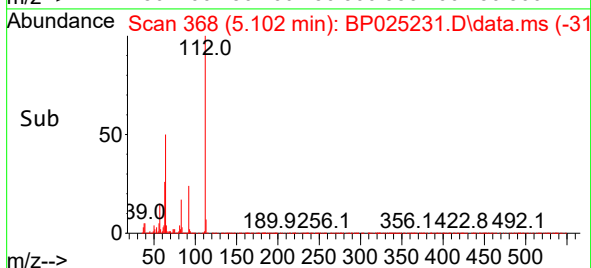
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

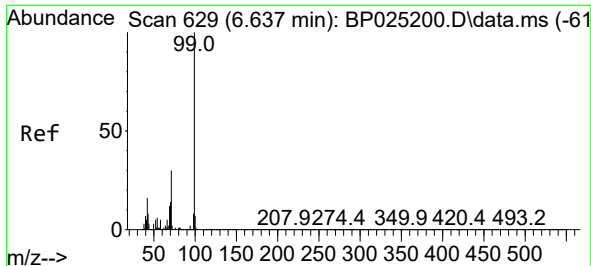


#5
2-Fluorophenol
Concen: 60.312 ng
RT: 5.102 min Scan# 368
Delta R.T. 0.000 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20



Tgt Ion:112 Resp: 1764143
Ion Ratio Lower Upper
112 100
64 49.9 39.8 59.6
63 26.1 20.5 30.7





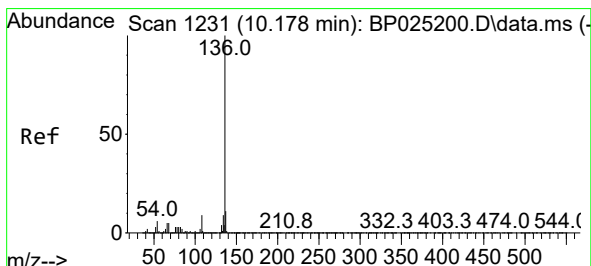
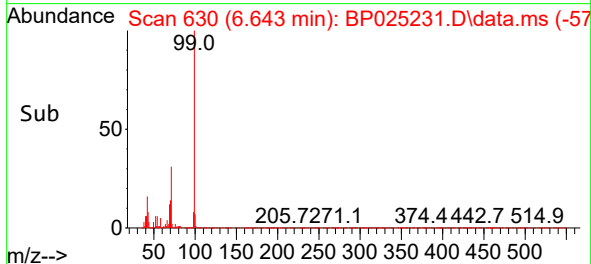
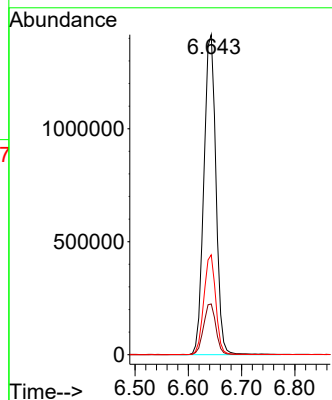
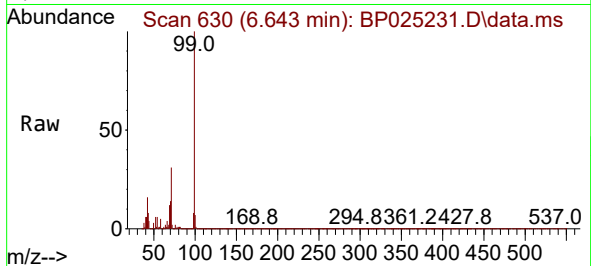
#7
Phenol-d6
Concen: 61.403 ng
RT: 6.643 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE

Tgt Ion: 99 Resp: 2224520
Ion Ratio Lower Upper
99 100
42 15.9 12.5 18.7
71 31.2 24.2 36.2

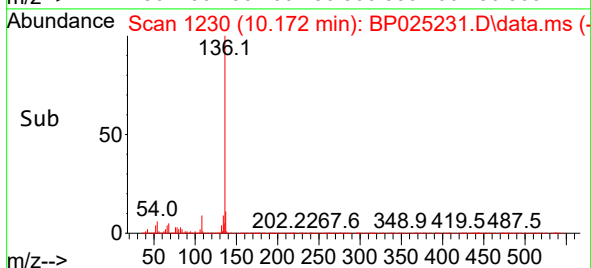
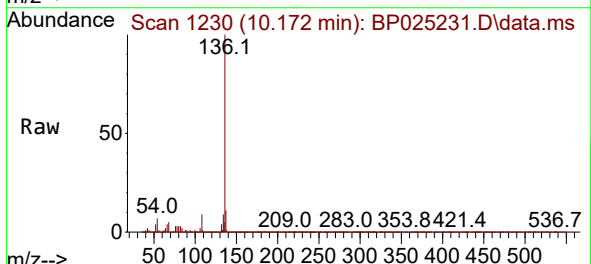
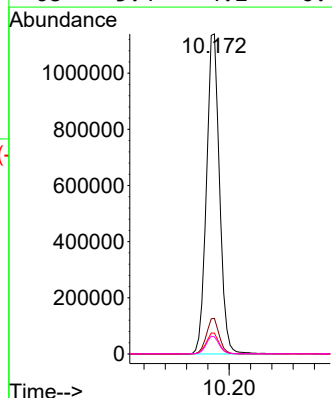
Manual Integrations
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Supervised By :Jagrut Upadhyay 07/24/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.172 min Scan# 1230
Delta R.T. -0.005 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

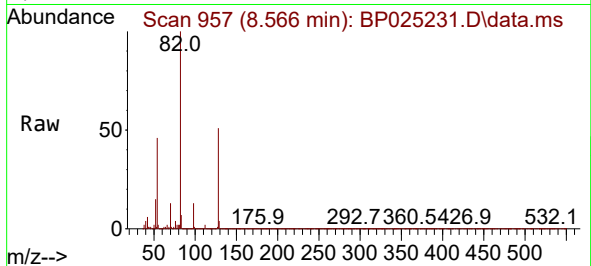
Tgt Ion:136 Resp: 1941060
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.5 5.1 7.7
68 5.4 4.2 6.4





#23
Nitrobenzene-d5
Concen: 38.248 ng
RT: 8.566 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

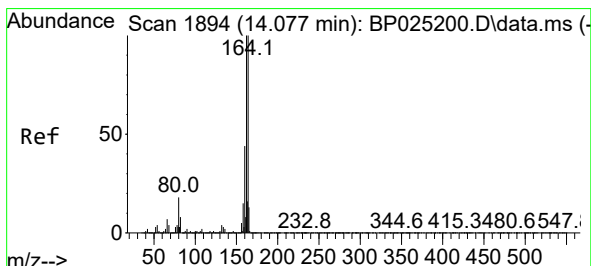
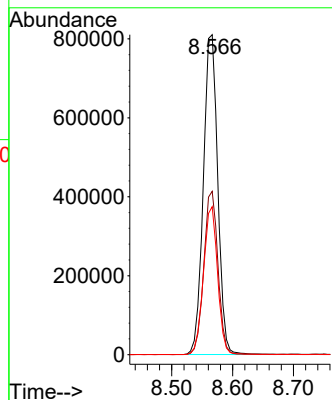
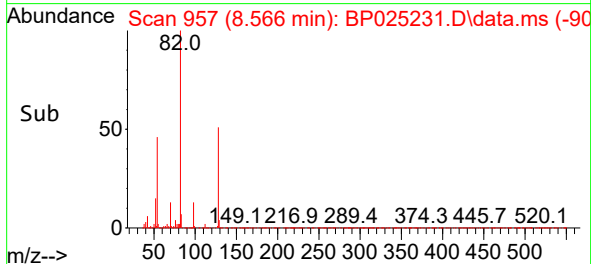
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE



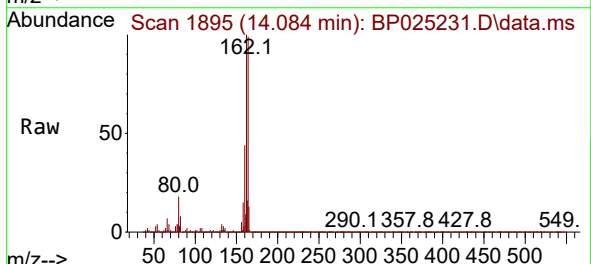
Tgt Ion: 82 Resp: 1335924
Ion Ratio Lower Upper
82 100
128 51.1 40.2 60.4
54 46.3 36.3 54.5

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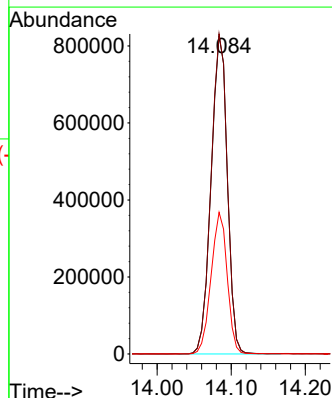
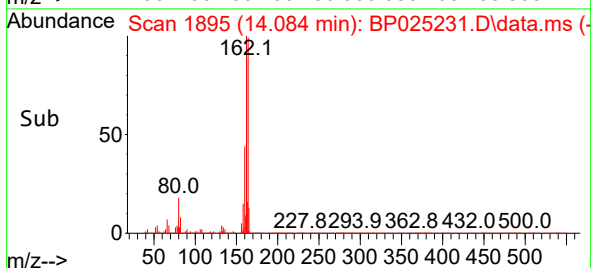
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

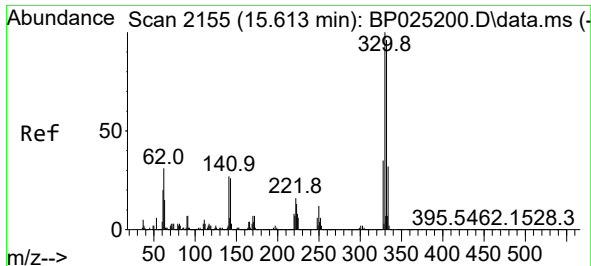


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.084 min Scan# 1895
Delta R.T. 0.006 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20



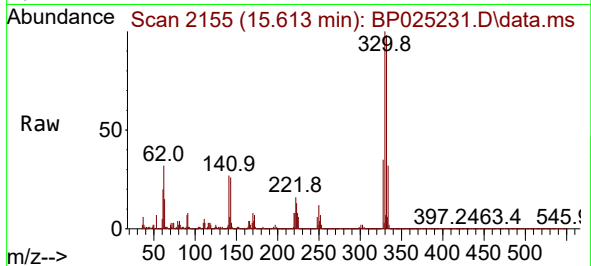
Tgt Ion:164 Resp: 1257966
Ion Ratio Lower Upper
164 100
162 100.6 80.3 120.5
160 44.5 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 62.841 ng
RT: 15.613 min Scan# 2155
Delta R.T. 0.000 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

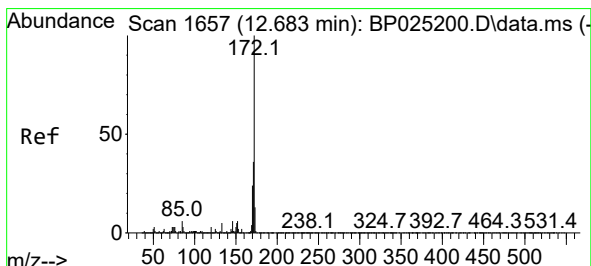
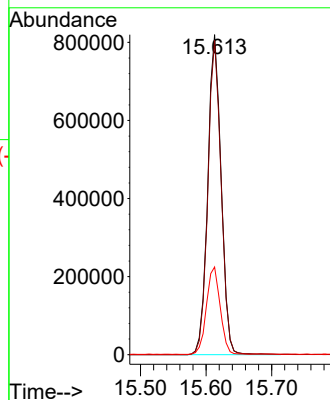
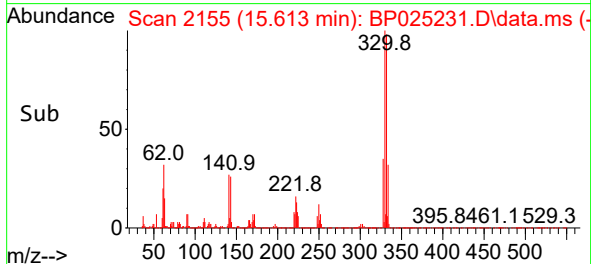
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE



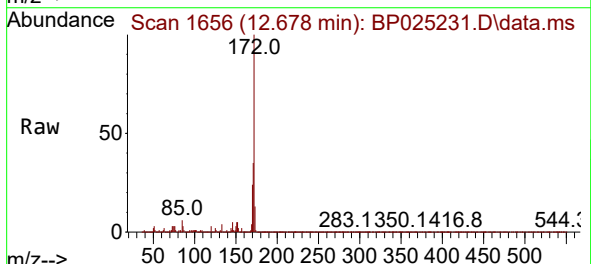
Tgt Ion:330 Resp: 116540
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 27.9 22.4 33.6

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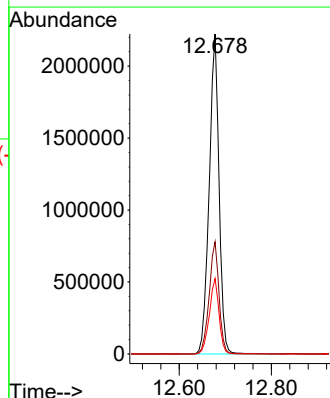
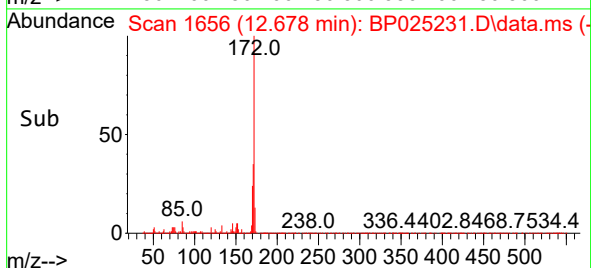
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

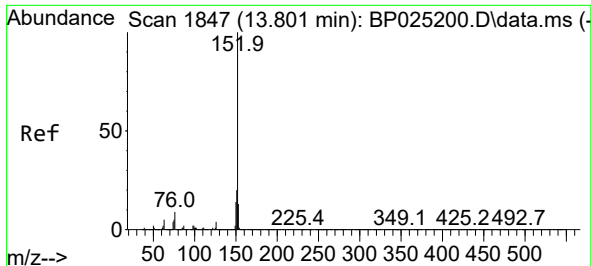


#45
2-Fluorobiphenyl
Concen: 37.201 ng
RT: 12.678 min Scan# 1656
Delta R.T. -0.005 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20



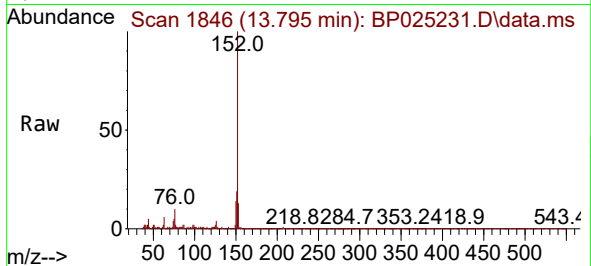
Tgt Ion:172 Resp: 3319422
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.5 19.2 28.8





#49
Acenaphthylene
Concen: 2.001 ng
RT: 13.795 min Scan# 1846
Delta R.T. -0.005 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

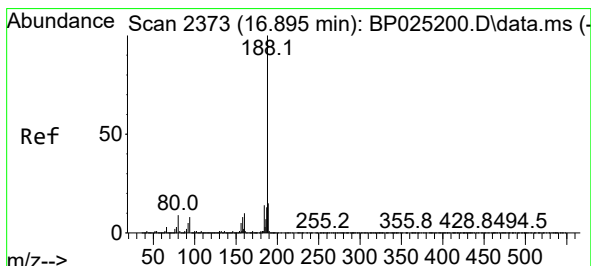
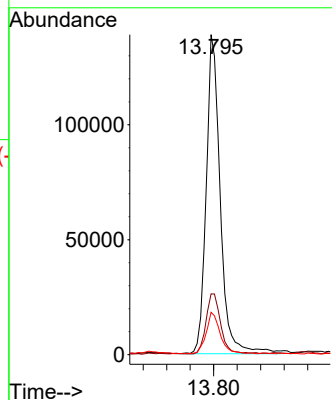
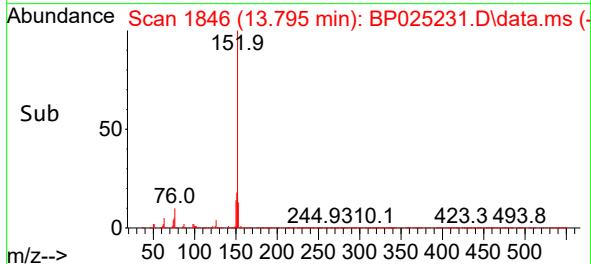
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE



Tgt Ion:152 Resp: 23042
Ion Ratio Lower Upper
152 100
151 19.0 16.2 24.2
153 13.3 10.6 15.8

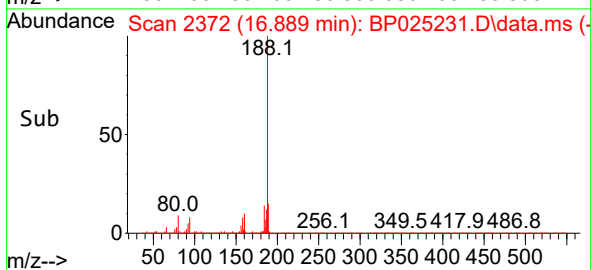
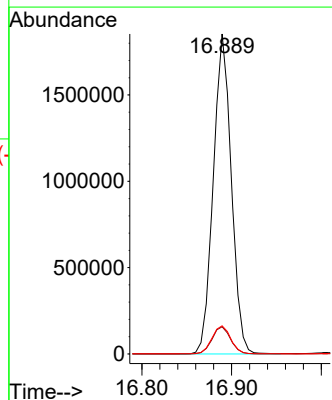
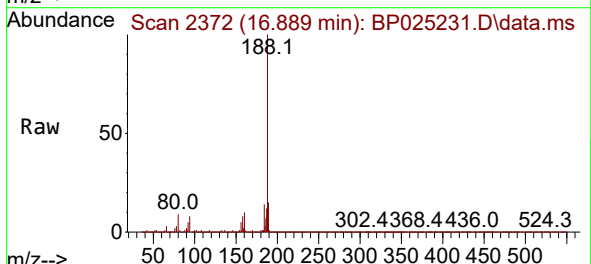
Manual Integrations
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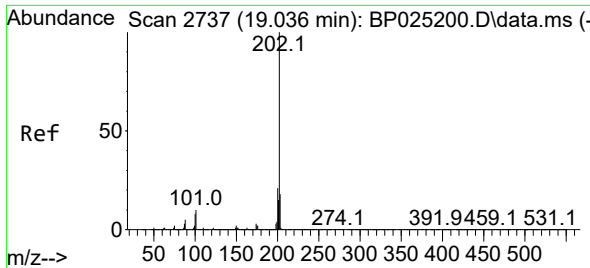
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.889 min Scan# 2372
Delta R.T. -0.006 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

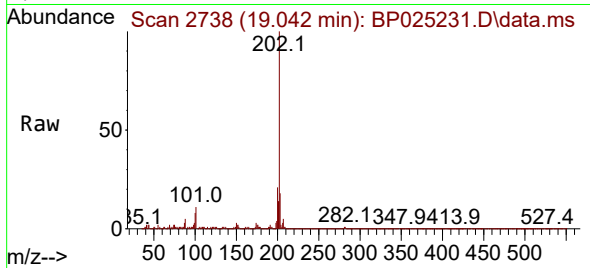
Tgt Ion:188 Resp: 2582912
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 8.8 7.3 10.9





#75
Fluoranthene
Concen: 5.099 ng
RT: 19.042 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

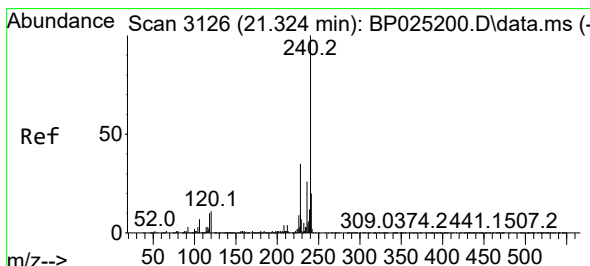
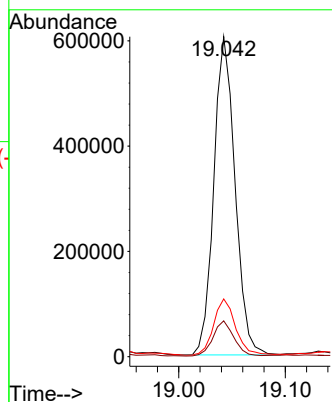
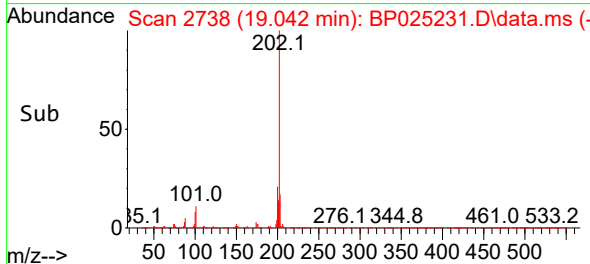
Instrument :
BNA_P
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OU4-TS-38-071725RE



Tgt Ion:202 Resp: 836009
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.3
203 18.0 0.0 38.0

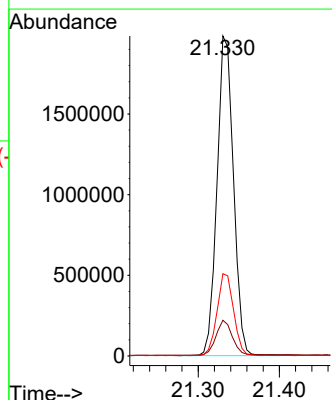
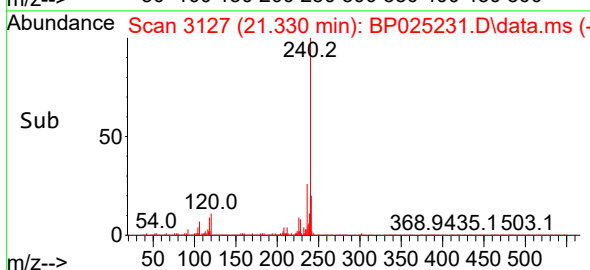
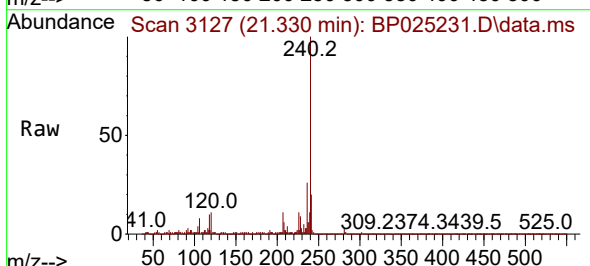
Manual Integrations
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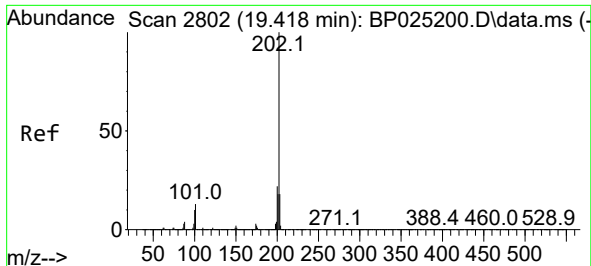
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.330 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

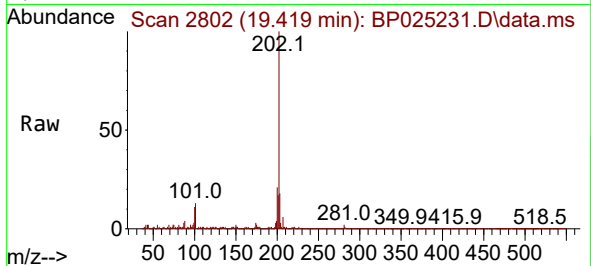
Tgt Ion:240 Resp: 2791397
Ion Ratio Lower Upper
240 100
120 11.2 8.8 13.2
236 25.7 20.9 31.3





#78
Pyrene
Concen: 6.082 ng
RT: 19.419 min Scan# 2802
Delta R.T. 0.000 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

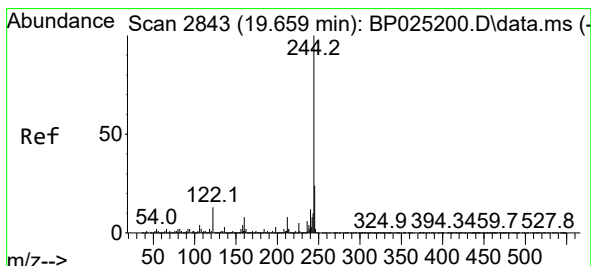
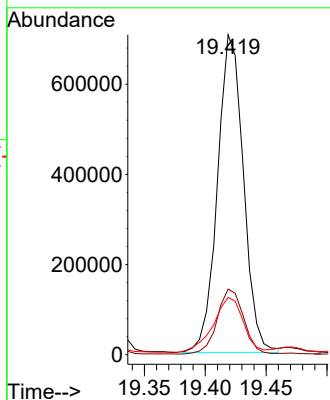
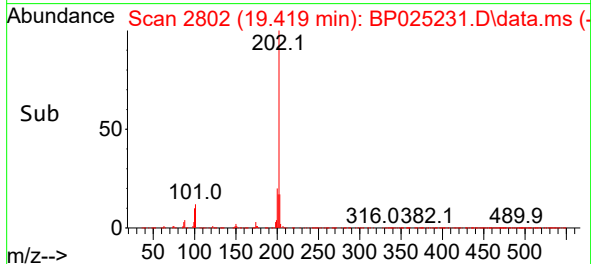
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE



Tgt Ion:202 Resp: 104676
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.9 14.3 21.5

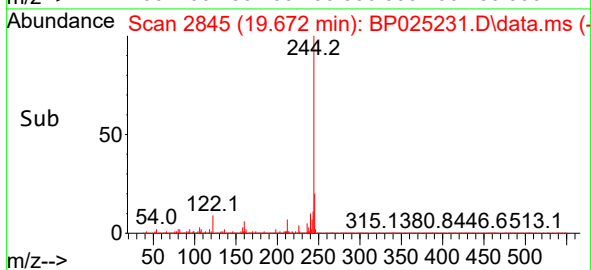
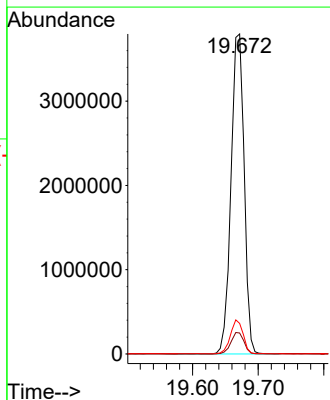
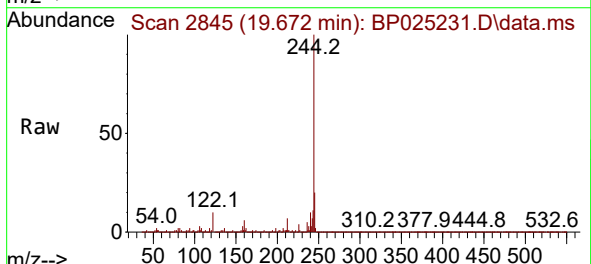
Manual Integrations
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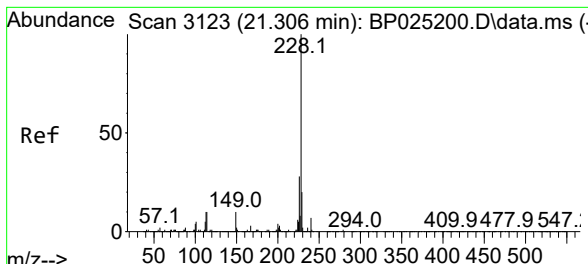
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#79
Terphenyl-d14
Concen: 37.444 ng
RT: 19.672 min Scan# 2845
Delta R.T. 0.013 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

Tgt Ion:244 Resp: 5294842
Ion Ratio Lower Upper
244 100
212 6.6 6.6 9.8
122 9.5 10.3 15.5





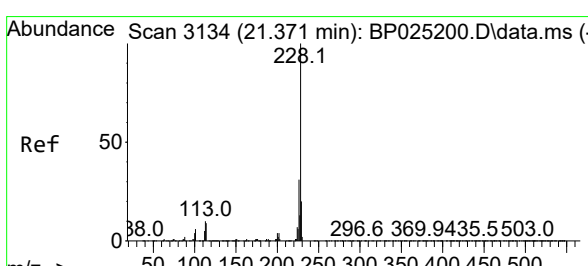
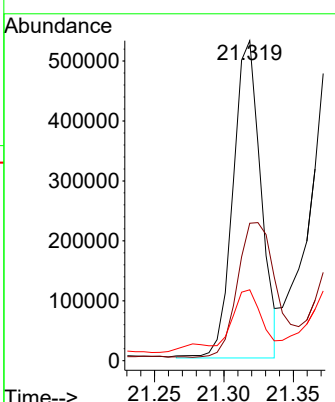
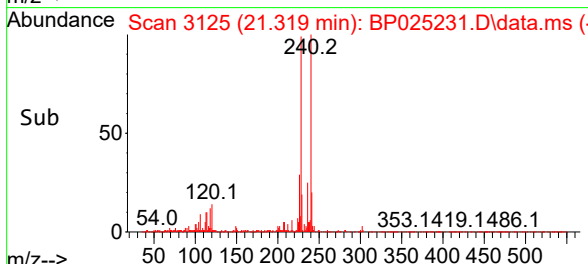
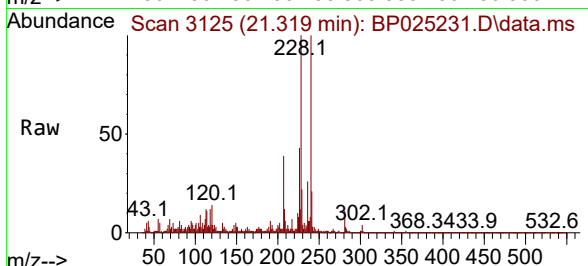
#81
 Benzo(a)anthracene
 Concen: 4.186 ng m
 RT: 21.319 min Scan# 3125
 Delta R.T. 0.012 min
 Lab File: BP025231.D
 Acq: 23 Jul 2025 20:20

Instrument : BNA_P
 ClientSampleId : OU4-TS-38-071725RE

Tgt Ion: 228 Resp: 73788

Ion	Ratio	Lower	Upper
228	100		
226	42.9	22.3	33.5
229	22.2	16.2	24.2

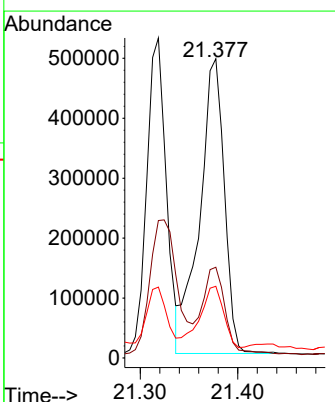
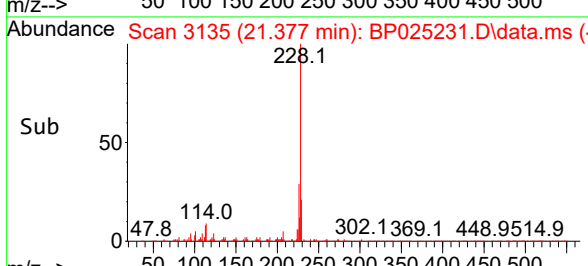
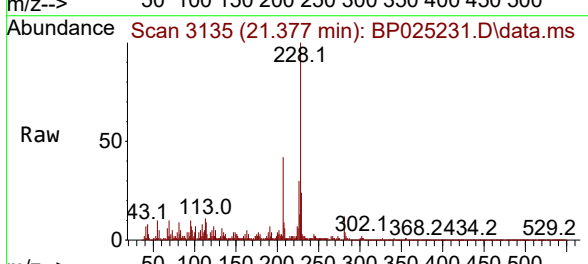
Manual Integrations
APPROVED
 Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

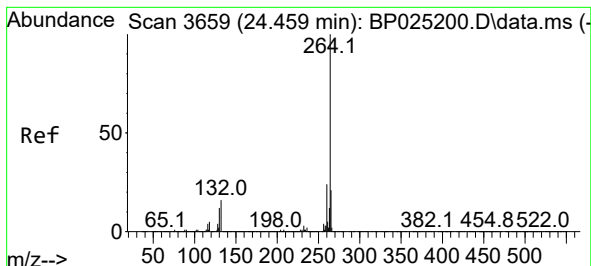


#83
 Chrysene
 Concen: 5.275 ng m
 RT: 21.377 min Scan# 3135
 Delta R.T. 0.006 min
 Lab File: BP025231.D
 Acq: 23 Jul 2025 20:20

Tgt Ion: 228 Resp: 868024

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	23.9	16.0	24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.471 min Scan# 30

Delta R.T. 0.012 min

Lab File: BP025231.D

Acq: 23 Jul 2025 20:20

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725RE

Tgt Ion:264 Resp: 3376004

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.6

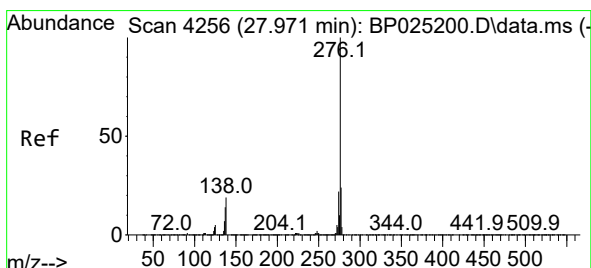
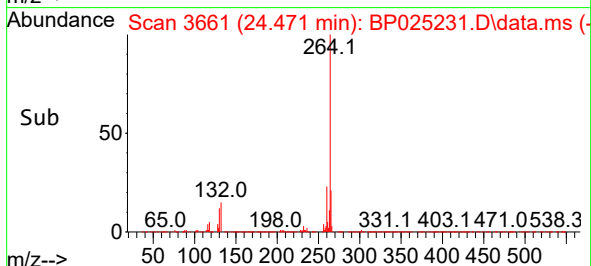
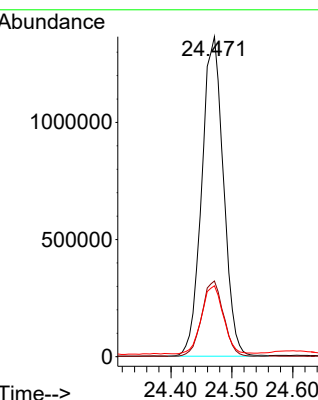
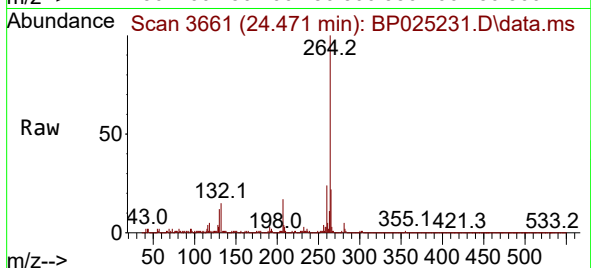
265 22.2 17.5 26.3

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.817 ng

RT: 28.012 min Scan# 4263

Delta R.T. 0.042 min

Lab File: BP025231.D

Acq: 23 Jul 2025 20:20

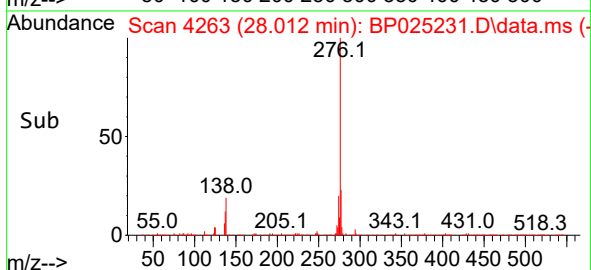
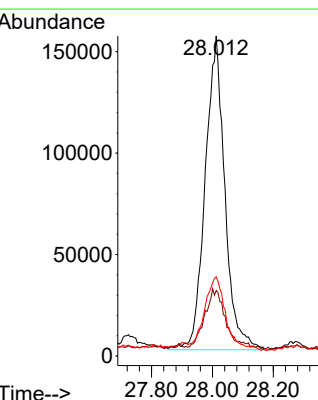
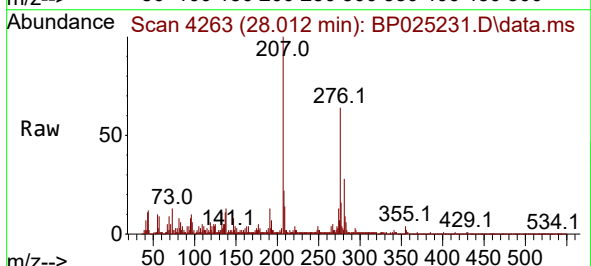
Tgt Ion:276 Resp: 694882

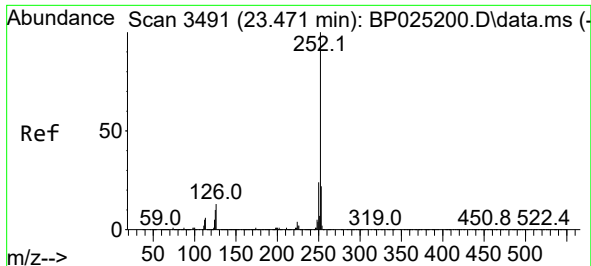
Ion Ratio Lower Upper

276 100

138 19.3 12.8 19.2#

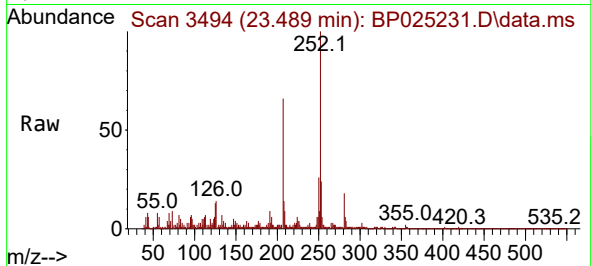
277 25.3 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 5.505 ng
RT: 23.489 min Scan# 3491
Delta R.T. 0.018 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20

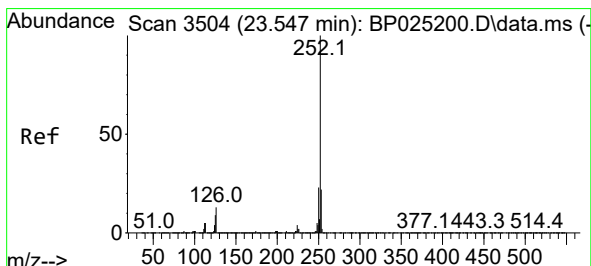
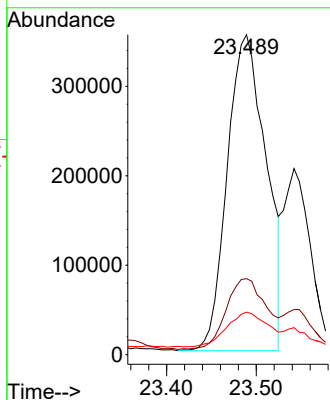
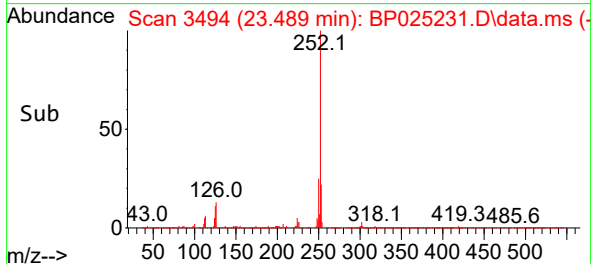
Instrument :
BNA_P
ClientSampleId :
OU4-TS-38-071725RE



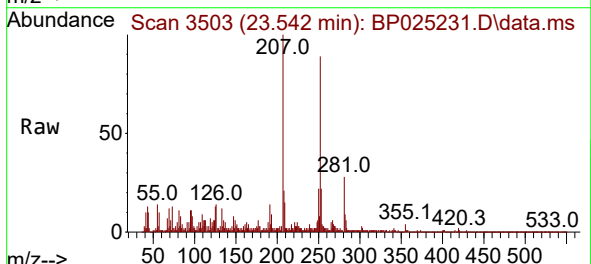
Tgt Ion:252 Resp: 106376
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 13.3 7.8 11.8

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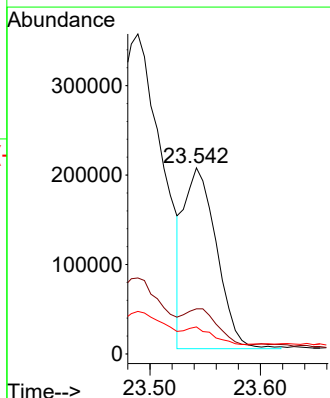
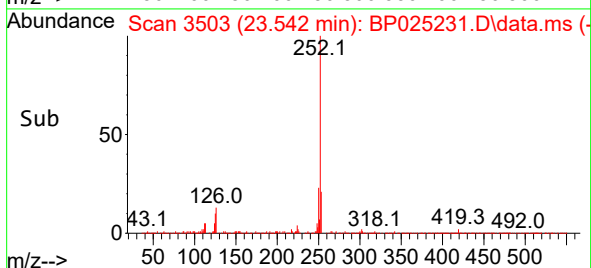
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

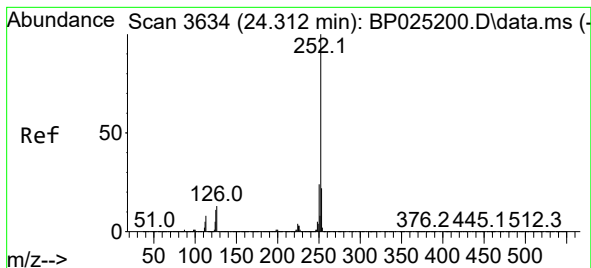


#89
Benzo(k)fluoranthene
Concen: 2.160 ng m
RT: 23.542 min Scan# 3503
Delta R.T. -0.005 min
Lab File: BP025231.D
Acq: 23 Jul 2025 20:20



Tgt Ion:252 Resp: 412122
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.6
125 14.5 7.5 11.3





#90

Benzo(a)pyrene

Concen: 4.980 ng

RT: 24.324 min Scan# 30

Delta R.T. 0.012 min

Lab File: BP025231.D

Acq: 23 Jul 2025 20:20

Instrument :

BNA_P

ClientSampleId :

OU4-TS-38-071725RE

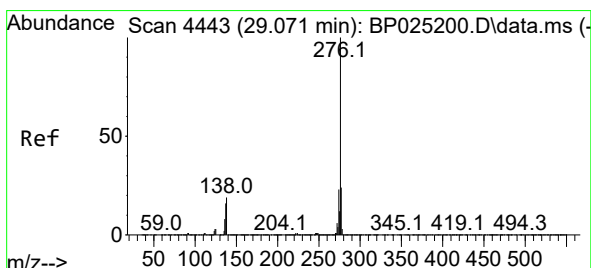
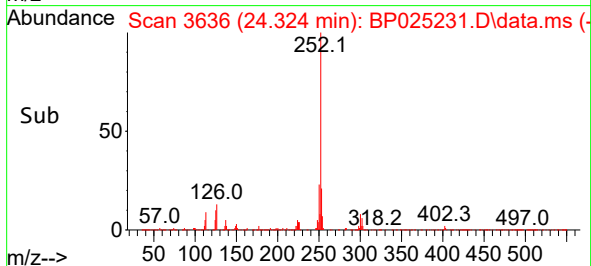
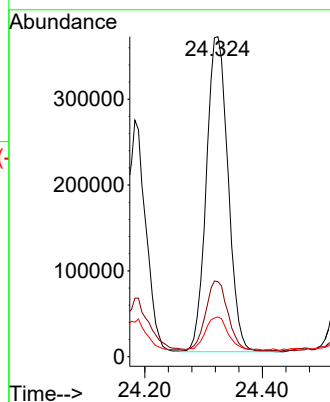
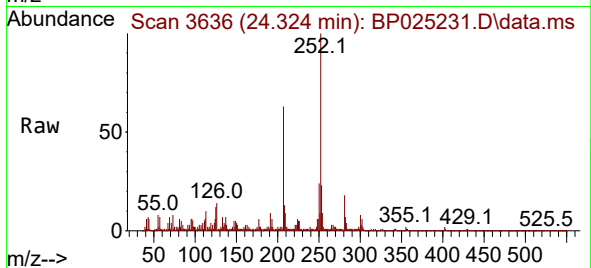
Tgt Ion:	252	Resp:	93895
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	12.4	8.6	12.8

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#92

Benzo(g,h,i)perylene

Concen: 3.525 ng

RT: 29.089 min Scan# 4446

Delta R.T. 0.018 min

Lab File: BP025231.D

Acq: 23 Jul 2025 20:20

Tgt Ion:	276	Resp:	697220
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.2	28.8
138	21.8	15.4	23.2

