

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024932.D
 Acq On : 12 Jun 2025 16:33
 Operator : RC/JU
 Sample : Q2296-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-2

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 06/13/2025
 Supervised By :Jagrut Upadhyay 06/13/2025

Quant Time: Jun 12 17:01:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 06 16:20:27 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	232700	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	913766	20.000	ng	0.00
39) Acenaphthene-d10	14.248	164	590119	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1210502	20.000	ng	0.00
76) Chrysene-d12	21.483	240	1360743	20.000	ng	0.00
86) Perylene-d12	24.748	264	1571386	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	1224118	87.808	ng	0.00
7) Phenol-d6	6.813	99	1582271	85.783	ng	0.00
23) Nitrobenzene-d5	8.760	82	976241	51.915	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	823436	100.927	ng	0.00
45) 2-Fluorobiphenyl	12.854	172	2251049	51.387	ng	0.00
79) Terphenyl-d14	19.777	244	3719906	48.995	ng	-0.02
Target Compounds						
						Qvalue
71) Phenanthrene	17.101	178	582171	8.703	ng	100
72) Anthracene	17.195	178	139381	2.057	ng	99
75) Fluoranthene	19.189	202	1641412	21.170	ng	98
78) Pyrene	19.566	202	1402920	16.503	ng	100
81) Benzo(a)anthracene	21.466	228	881200	10.125	ng	99
83) Chrysene	21.530	228	796976	9.665	ng	98
87) Indeno(1,2,3-cd)pyrene	28.453	276	653933	5.704	ng	96
88) Benzo(b)fluoranthene	23.718	252	1213358	13.492	ng	97
89) Benzo(k)fluoranthene	23.783	252	432030m	4.720	ng	
90) Benzo(a)pyrene	24.601	252	872011	9.929	ng	97
92) Benzo(g,h,i)perylene	29.606	276	621031	6.707	ng	99

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

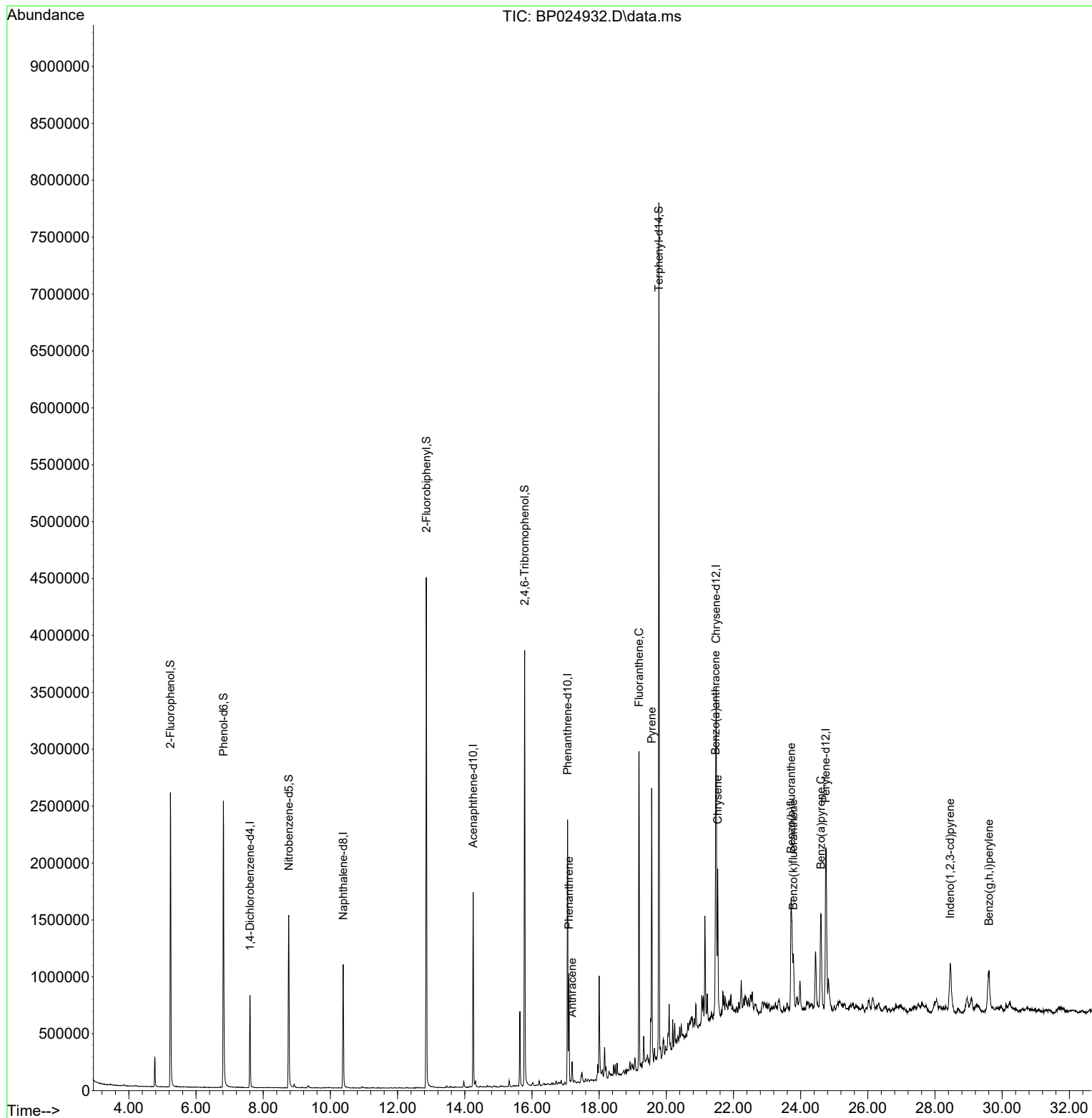
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024932.D
Acq On : 12 Jun 2025 16:33
Operator : RC/JU
Sample : Q2296-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

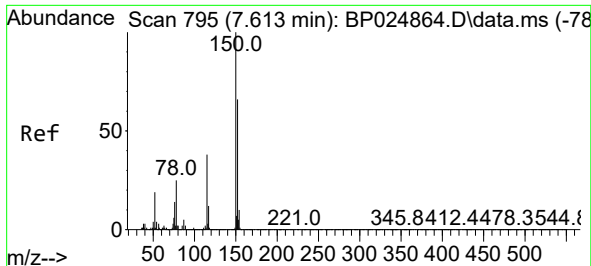
Instrument :
BNA_P
ClientSampleId :
WC-2

Quant Time: Jun 12 17:01:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

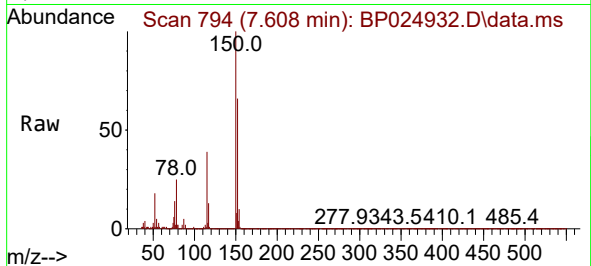
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

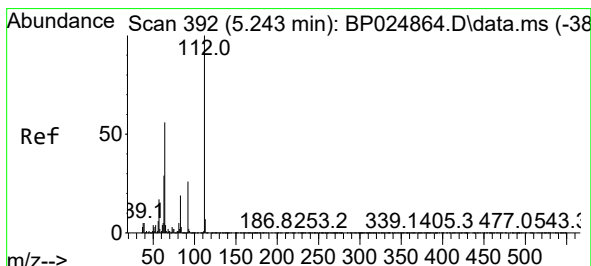
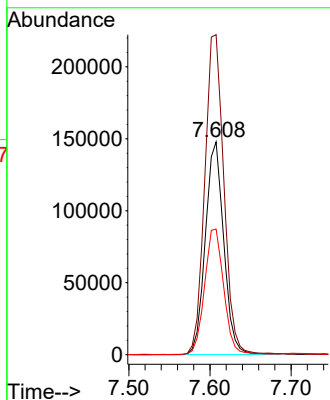
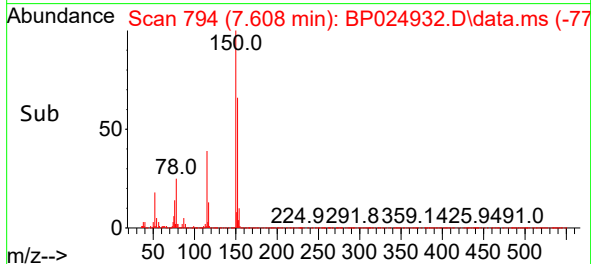
Instrument :
BNA_P
ClientSampleId :
WC-2



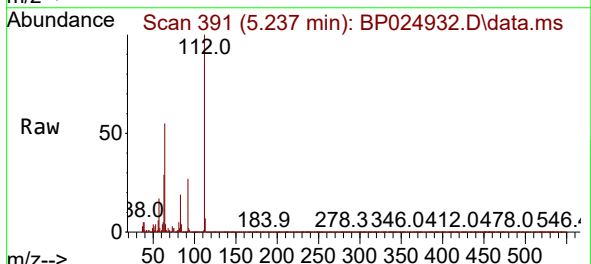
Tgt Ion:152 Resp: 232700
Ion Ratio Lower Upper
152 100
150 150.4 122.1 183.1
115 59.0 46.4 69.6

Manual Integrations
APPROVED

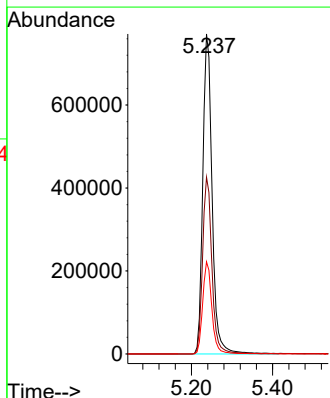
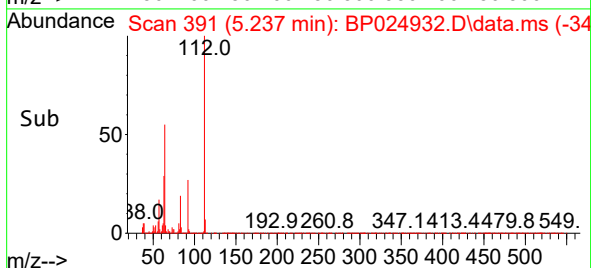
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

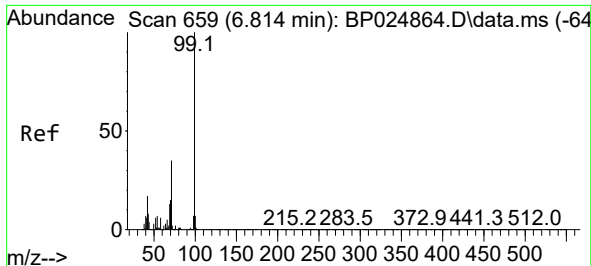


#5
2-Fluorophenol
Concen: 87.808 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33



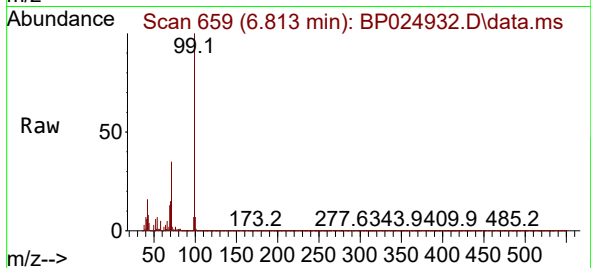
Tgt Ion:112 Resp: 1224118
Ion Ratio Lower Upper
112 100
64 55.2 44.7 67.1
63 28.8 23.5 35.3





#7
Phenol-d6
Concen: 85.783 ng
RT: 6.813 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

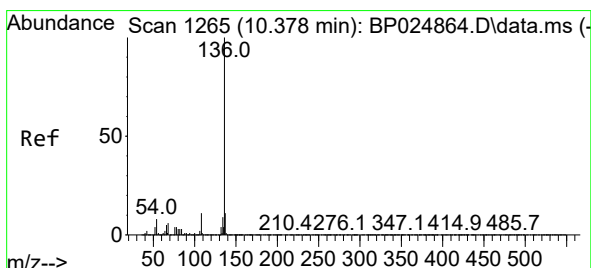
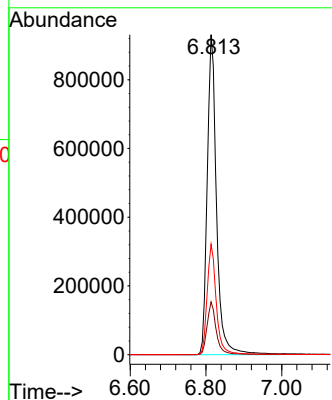
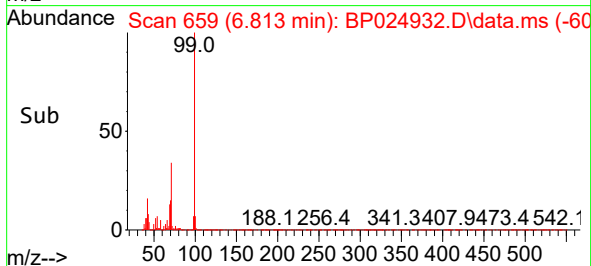
Instrument :
BNA_P
ClientSampleId :
WC-2



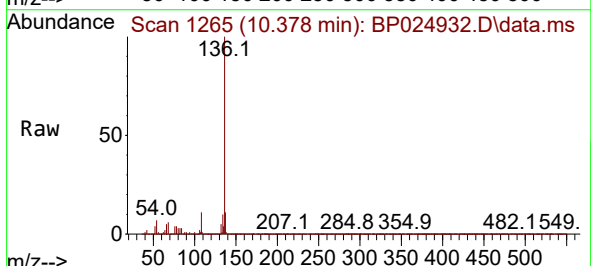
Tgt Ion: 99 Resp: 158227
Ion Ratio Lower Upper
99 100
42 16.5 13.4 20.2
71 34.5 27.6 41.4

Manual Integrations
APPROVED

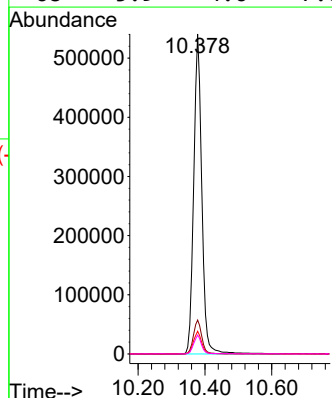
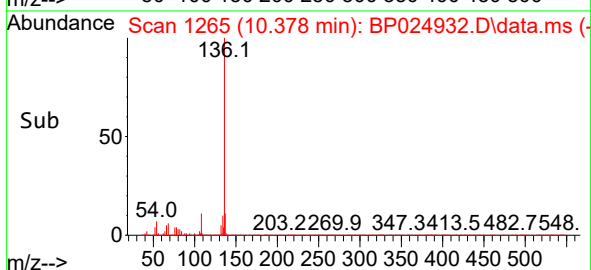
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

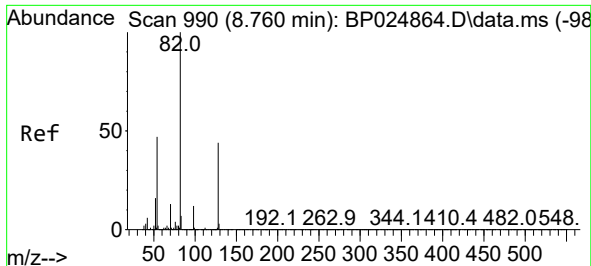


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33



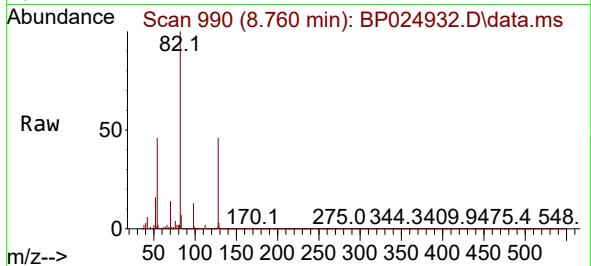
Tgt Ion:136 Resp: 913766
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.1 6.1 9.1
68 5.9 4.6 7.0





#23
Nitrobenzene-d5
Concen: 51.915 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

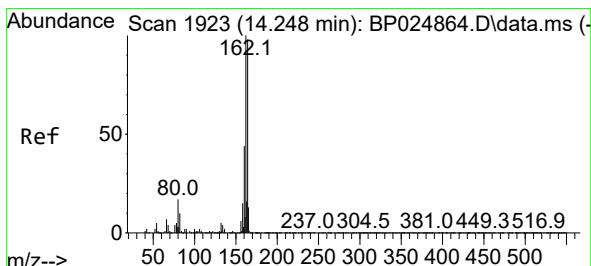
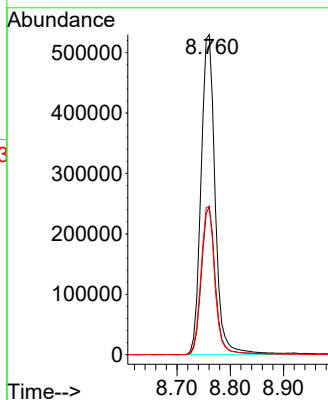
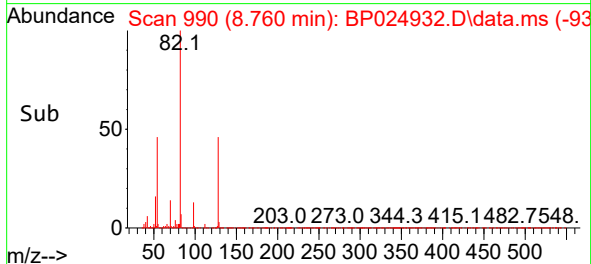
Instrument :
BNA_P
ClientSampleId :
WC-2



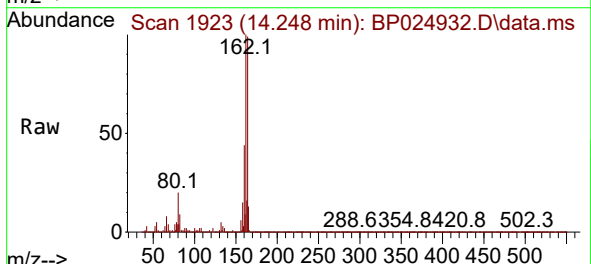
Tgt Ion: 82 Resp: 97624
Ion Ratio Lower Upper
82 100
128 46.3 35.3 52.9
54 46.4 37.4 56.0

Manual Integrations
APPROVED

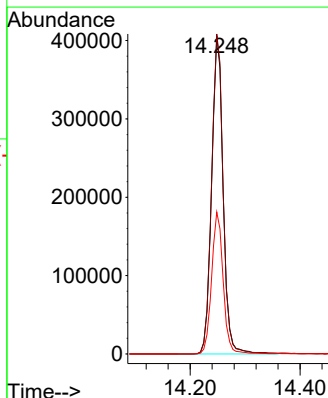
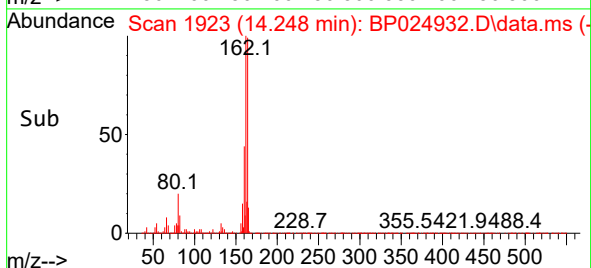
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

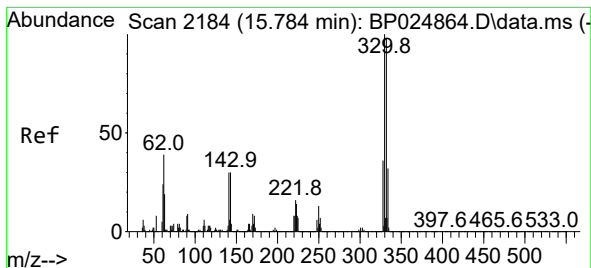


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.248 min Scan# 1923
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33



Tgt Ion:164 Resp: 590119
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 44.6 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 100.927 ng

RT: 15.784 min Scan# 2184

Delta R.T. -0.000 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

Tgt Ion:330 Resp: 823430

Ion Ratio Lower Upper

330 100

332 96.0 77.7 116.5

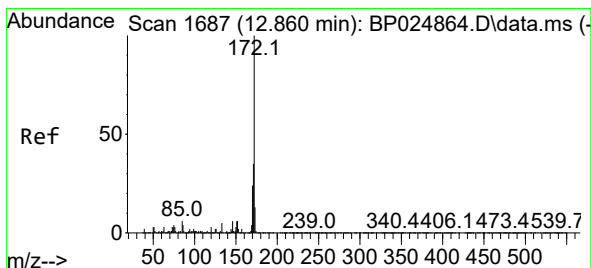
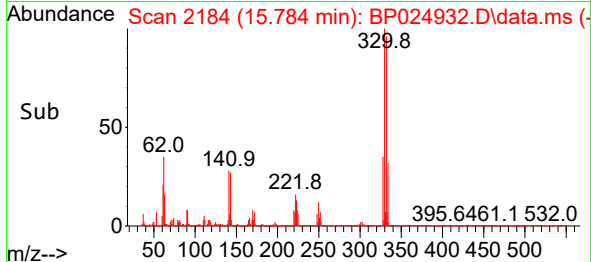
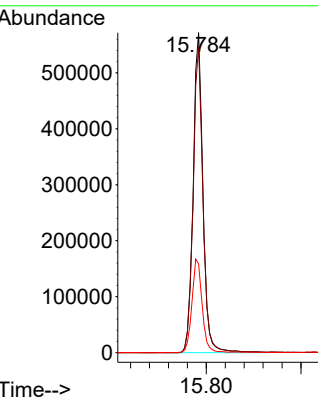
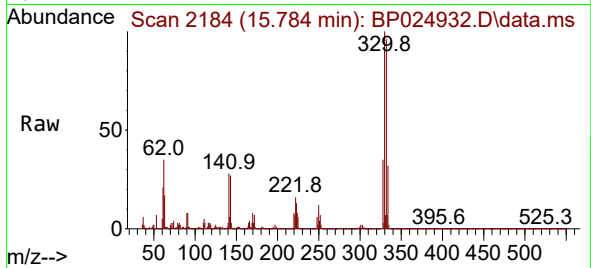
141 30.4 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#45

2-Fluorobiphenyl

Concen: 51.387 ng

RT: 12.854 min Scan# 1686

Delta R.T. -0.006 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

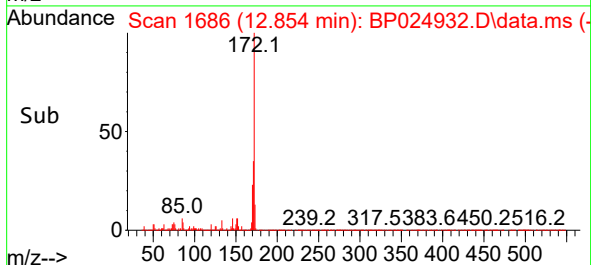
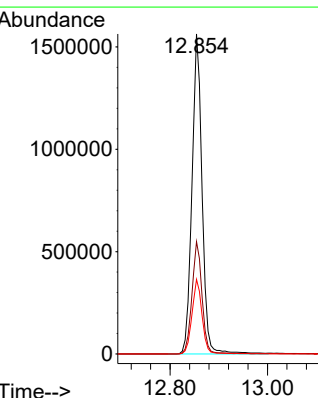
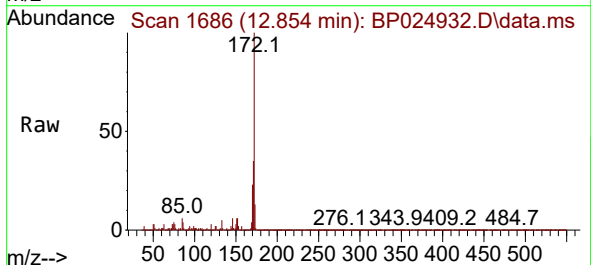
Tgt Ion:172 Resp: 2251049

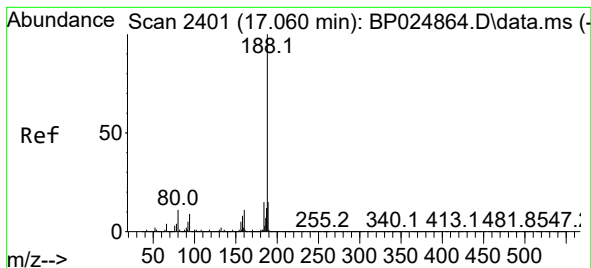
Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.3 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.060 min Scan# 2401

Delta R.T. -0.000 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

Tgt Ion:188 Resp: 121050

Ion Ratio Lower Upper

188 100

94 8.6 7.3 10.9

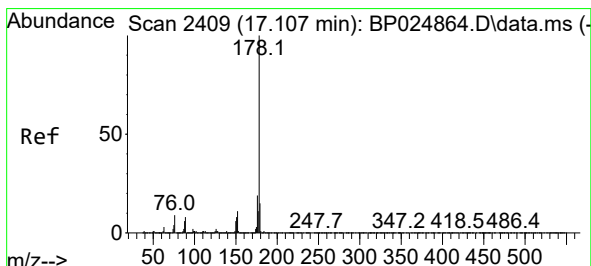
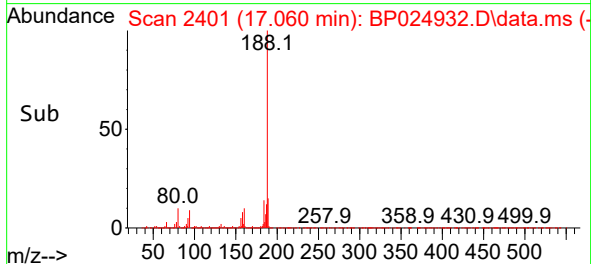
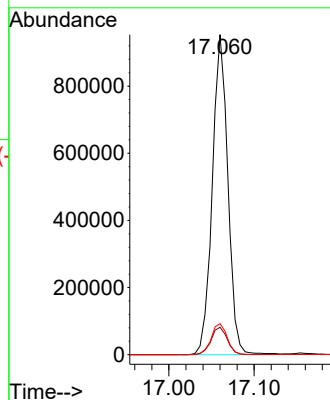
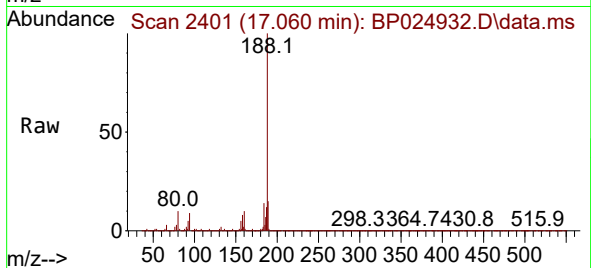
80 9.7 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#71

Phenanthrene

Concen: 8.703 ng

RT: 17.101 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

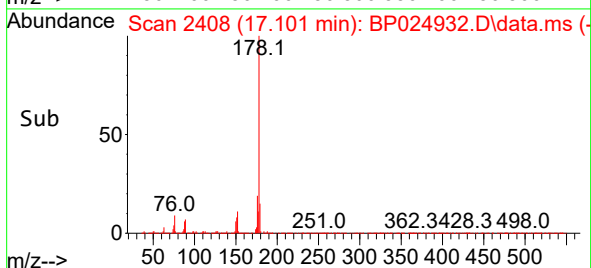
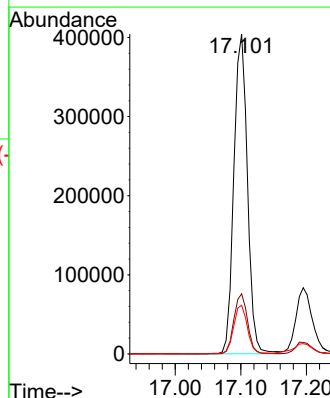
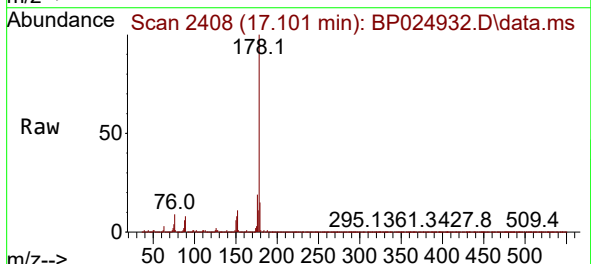
Tgt Ion:178 Resp: 582171

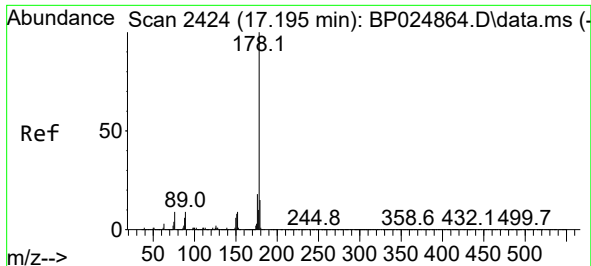
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

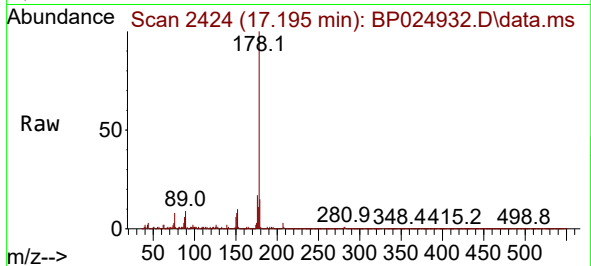
179 15.2 12.1 18.1





#72
 Anthracene
 Concen: 2.057 ng
 RT: 17.195 min Scan# 2424
 Delta R.T. -0.000 min
 Lab File: BP024932.D
 Acq: 12 Jun 2025 16:33

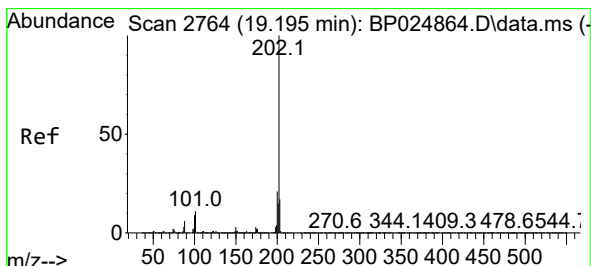
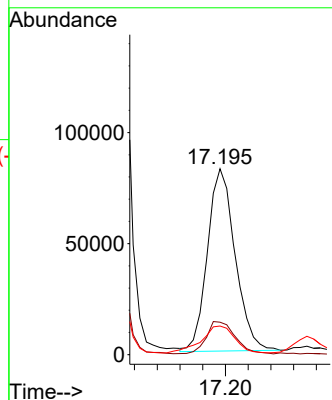
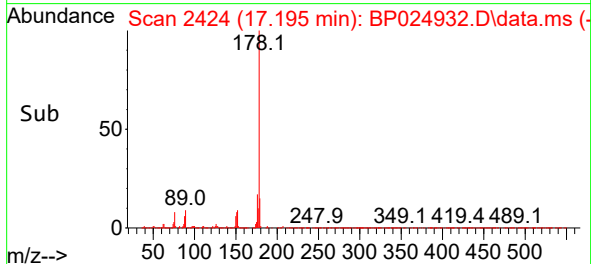
Instrument :
 BNA_P
 ClientSampleId :
 WC-2



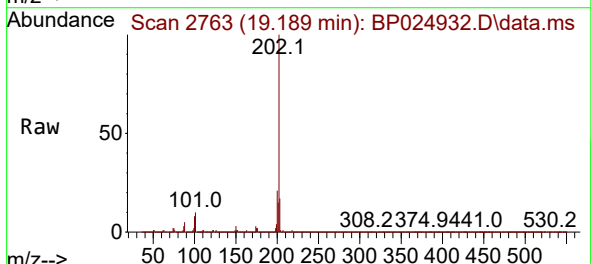
Tgt Ion:178 Resp: 13938
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.7 22.1
 179 15.4 12.3 18.5

Manual Integrations
 APPROVED

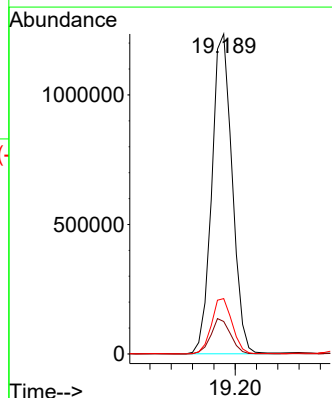
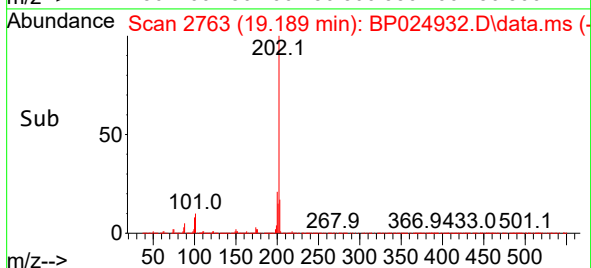
Reviewed By :Anahy Claudio 06/13/2025
 Supervised By :Jagrut Upadhyay 06/13/2025

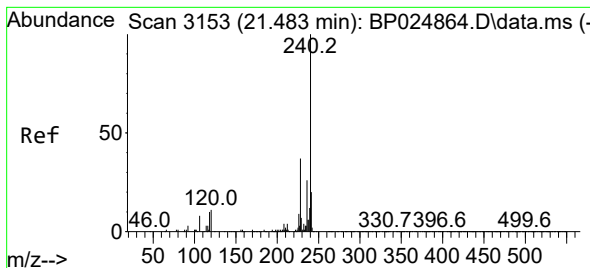


#75
 Fluoranthene
 Concen: 21.170 ng
 RT: 19.189 min Scan# 2763
 Delta R.T. -0.006 min
 Lab File: BP024932.D
 Acq: 12 Jun 2025 16:33



Tgt Ion:202 Resp: 1641412
 Ion Ratio Lower Upper
 202 100
 101 10.1 0.0 31.4
 203 17.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.483 min Scan# 3153

Delta R.T. -0.000 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

Tgt Ion:240 Resp: 136074

Ion Ratio Lower Upper

240 100

120 10.1 8.9 13.3

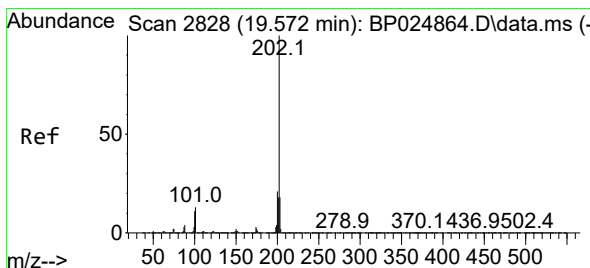
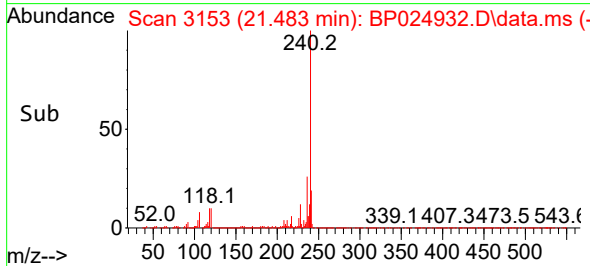
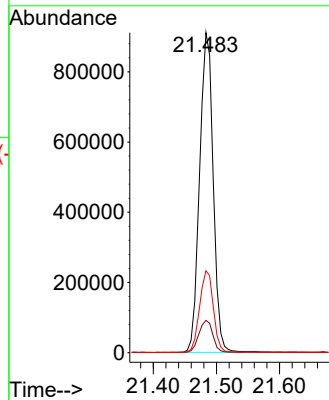
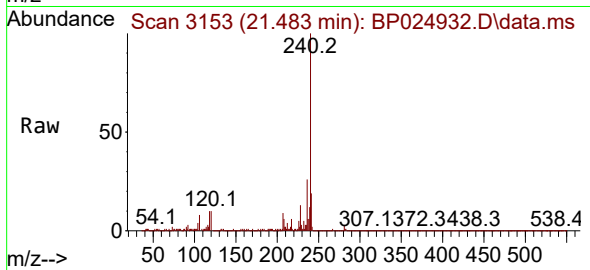
236 25.6 20.9 31.3

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#78

Pyrene

Concen: 16.503 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

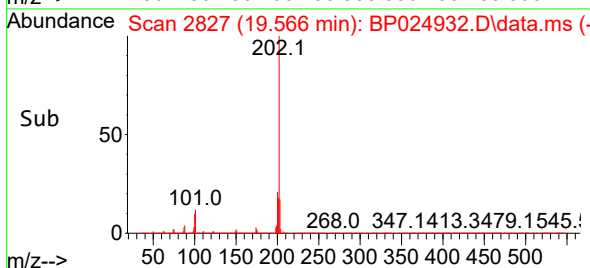
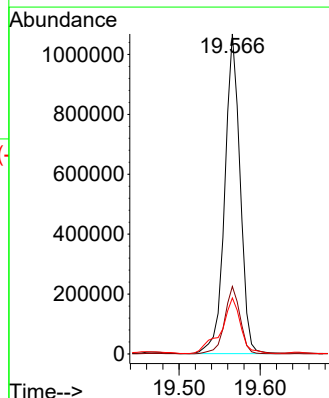
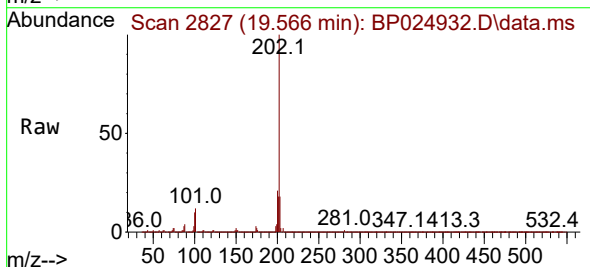
Tgt Ion:202 Resp: 1402920

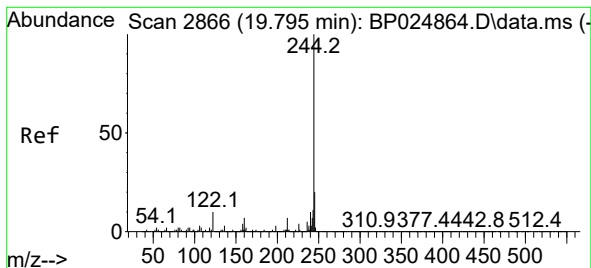
Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 17.5 14.0 21.0





#79

Terphenyl-d14

Concen: 48.995 ng

RT: 19.777 min Scan# 21

Delta R.T. -0.018 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

Tgt Ion:244 Resp: 3719900

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

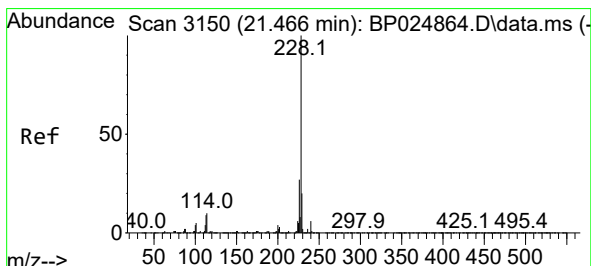
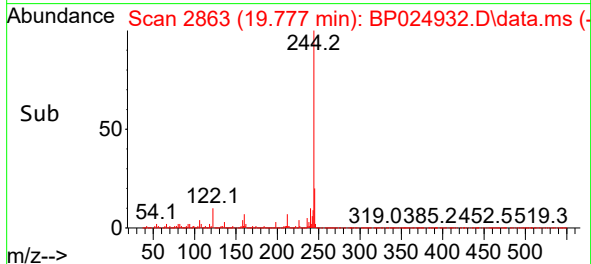
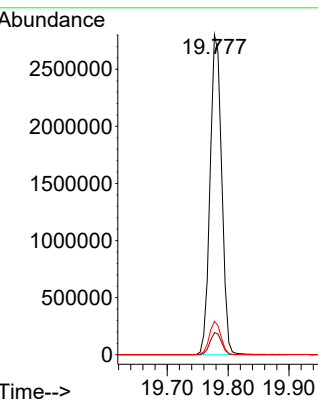
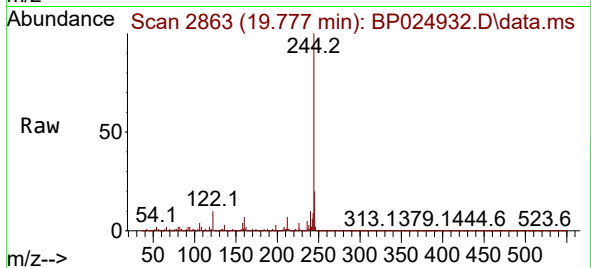
122 10.4 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#81

Benzo(a)anthracene

Concen: 10.125 ng

RT: 21.466 min Scan# 3150

Delta R.T. -0.000 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

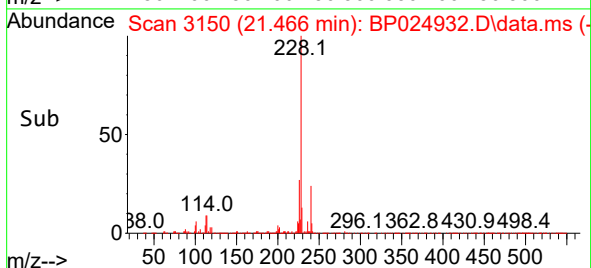
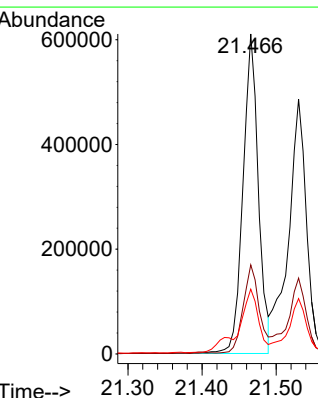
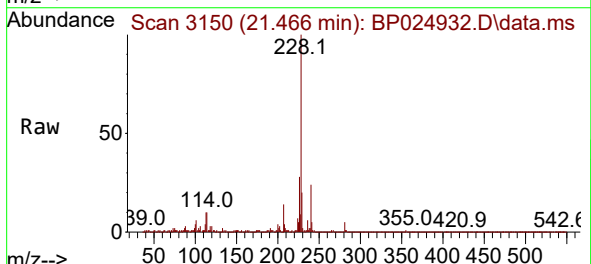
Tgt Ion:228 Resp: 881200

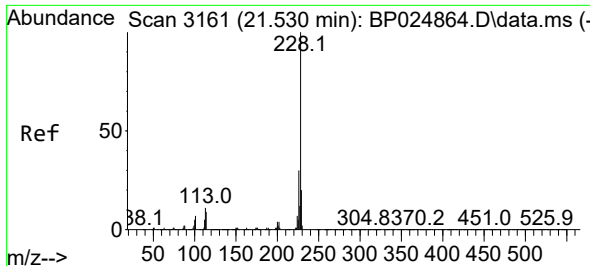
Ion Ratio Lower Upper

228 100

226 27.9 22.1 33.1

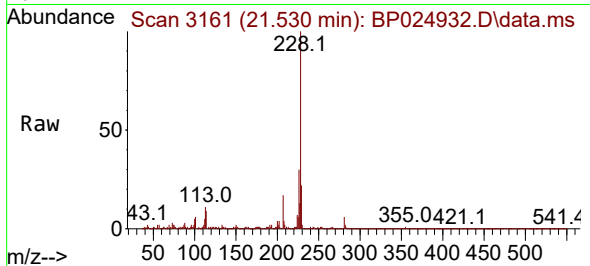
229 20.3 15.9 23.9





#83
Chrysene
Concen: 9.665 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.000 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

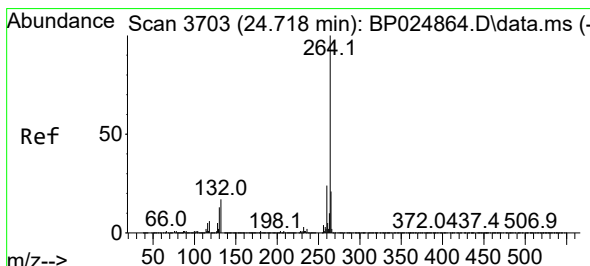
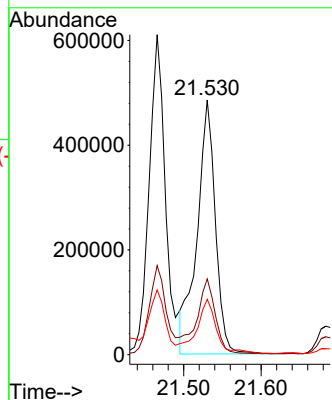
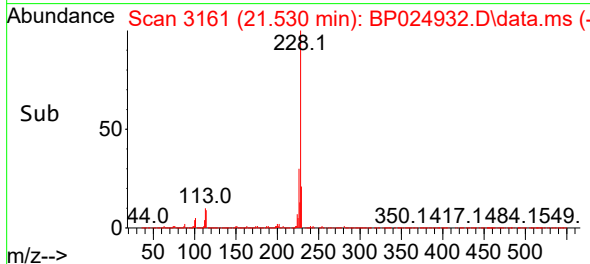
Instrument :
BNA_P
ClientSampleId :
WC-2



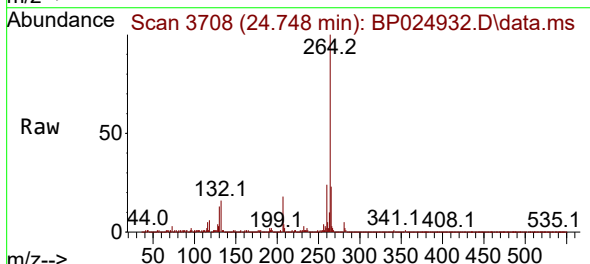
Tgt Ion:228 Resp: 796970
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 21.7 15.6 23.4

Manual Integrations
APPROVED

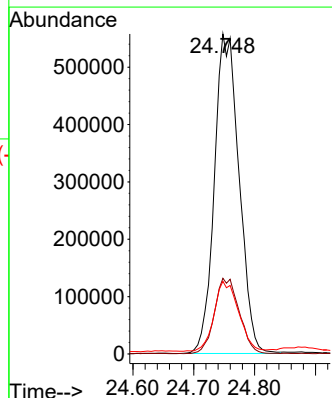
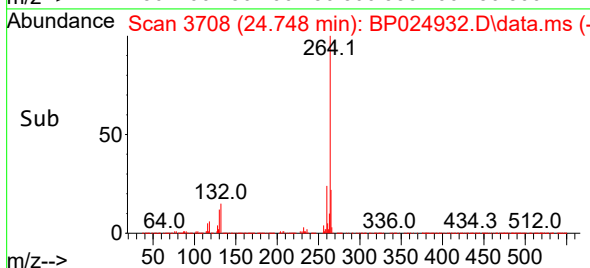
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

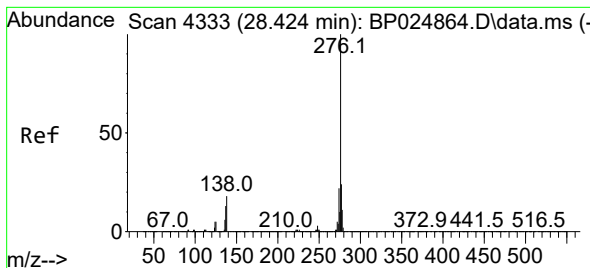


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.748 min Scan# 3708
Delta R.T. 0.029 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33



Tgt Ion:264 Resp: 1571386
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.4
265 22.7 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.704 ng

RT: 28.453 min Scan# 41

Delta R.T. 0.029 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

Instrument :

BNA_P

ClientSampleId :

WC-2

Tgt Ion:276 Resp: 65393

Ion Ratio Lower Upper

276 100

138 19.5 18.6 27.8

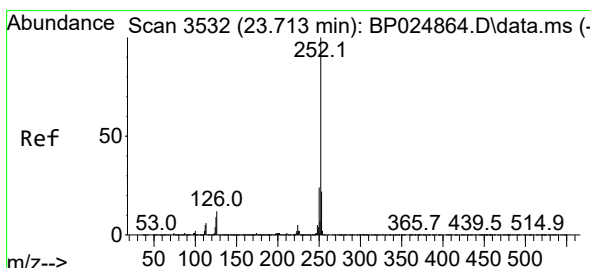
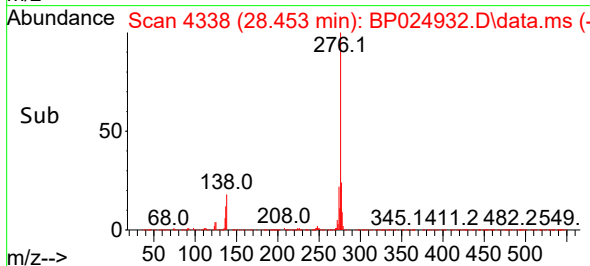
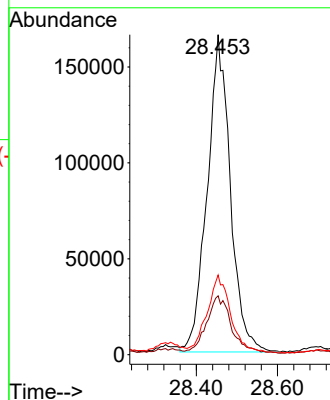
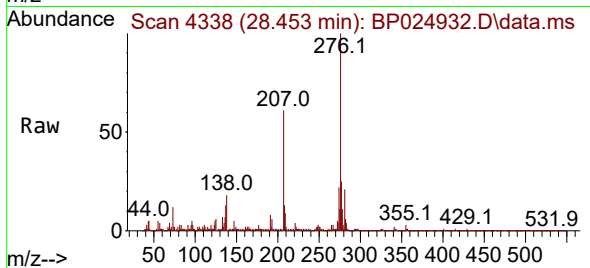
277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#88

Benzo(b)fluoranthene

Concen: 13.492 ng

RT: 23.718 min Scan# 3533

Delta R.T. 0.006 min

Lab File: BP024932.D

Acq: 12 Jun 2025 16:33

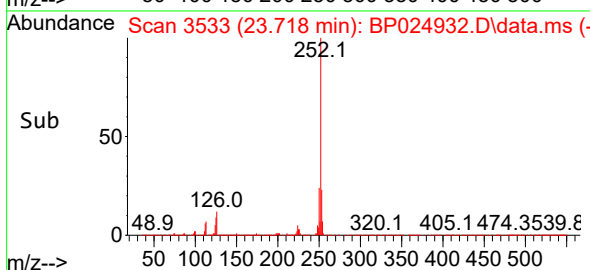
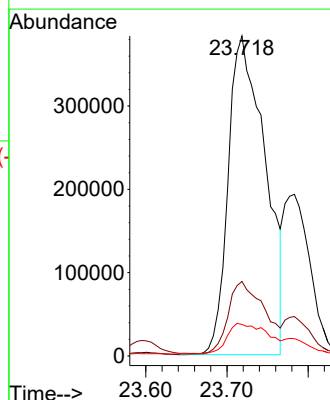
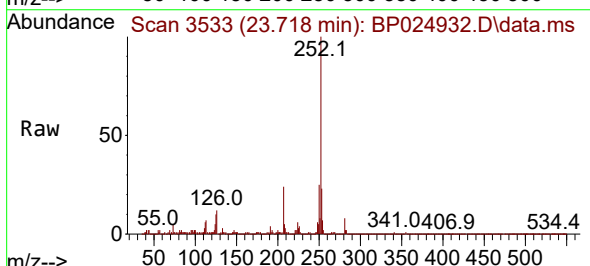
Tgt Ion:252 Resp: 1213358

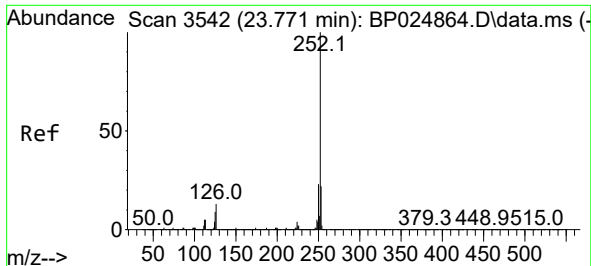
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

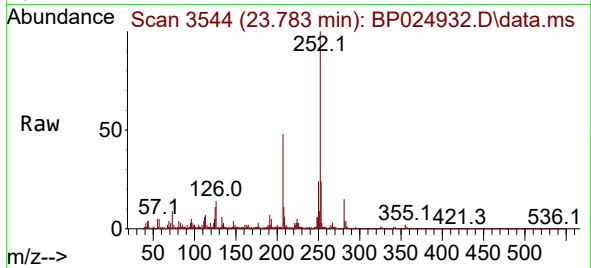
125 9.9 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 4.720 ng m
RT: 23.783 min Scan# 3542
Delta R.T. 0.012 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

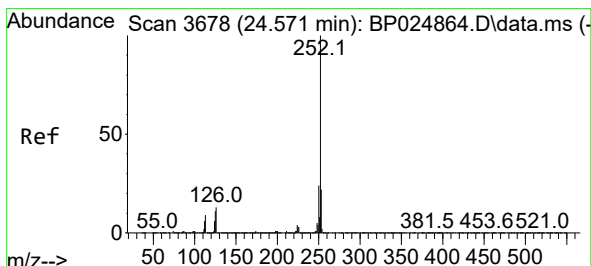
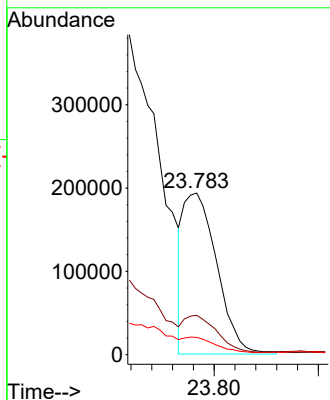
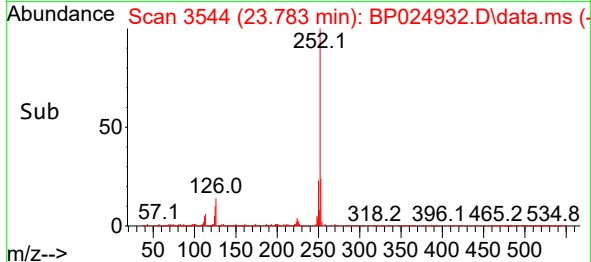
Instrument :
BNA_P
ClientSampleId :
WC-2



Tgt Ion:252 Resp: 432030
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 10.7 7.4 11.0

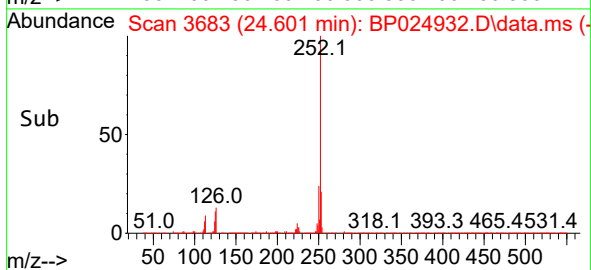
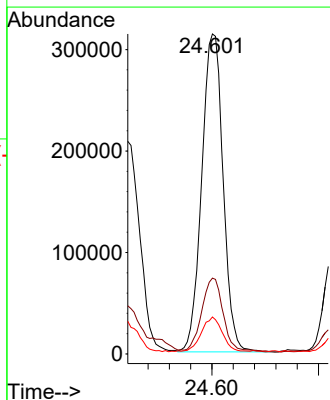
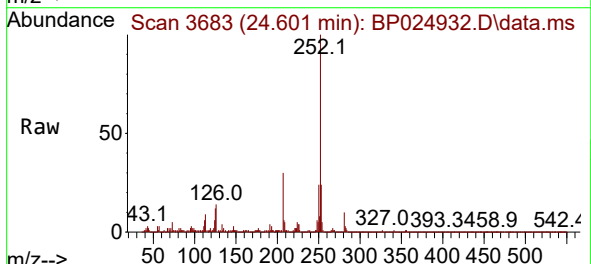
Manual Integrations
APPROVED

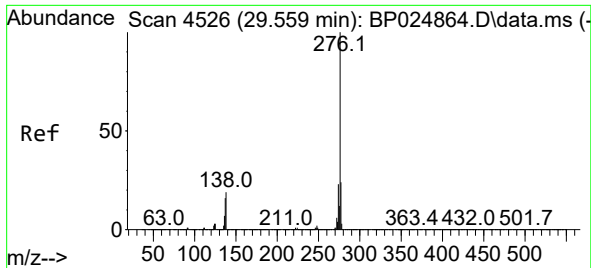
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#90
Benzo(a)pyrene
Concen: 9.929 ng
RT: 24.601 min Scan# 3683
Delta R.T. 0.029 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

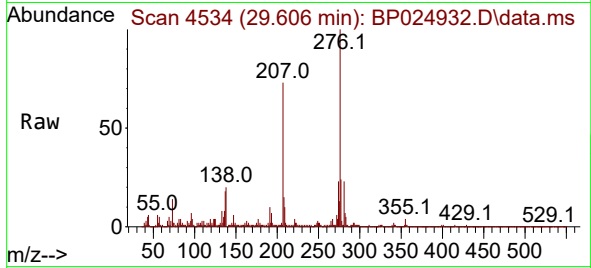
Tgt Ion:252 Resp: 872011
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.6 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 6.707 ng
RT: 29.606 min Scan# 4534
Delta R.T. 0.047 min
Lab File: BP024932.D
Acq: 12 Jun 2025 16:33

Instrument :
BNA_P
ClientSampleId :
WC-2



Tgt Ion: 276 Resp: 62103
Ion Ratio Lower Upper
276 100
277 24.5 19.1 28.7
138 20.2 15.4 23.2

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

