

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
 Data File : BP024885.D
 Acq On : 09 Jun 2025 20:18
 Operator : RC/JU
 Sample : Q2240-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Quant Time: Jun 10 01:31:53 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 :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.608	152	144063	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	615328	20.000	ng	# 0.00
39) Acenaphthene-d10	14.260	164	468000	20.000	ng	0.01
64) Phenanthrene-d10	17.060	188	1007387	20.000	ng	# 0.00
76) Chrysene-d12	21.472	240	1537817	20.000	ng	-0.01
86) Perylene-d12	24.724	264	1886701	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.243	112	632702	73.309	ng	0.00
7) Phenol-d6	6.814	99	887846	77.750	ng	0.00
23) Nitrobenzene-d5	8.761	82	597098	47.153	ng	0.00
42) 2,4,6-Tribromophenol	15.784	330	630988	97.520	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	1390972	40.039	ng	0.00
79) Terphenyl-d14	19.784	244	3520676	41.032	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.431	128	198628	6.299	ng	# 48
37) 2-Methylnaphthalene	12.049	142	409098	20.453	ng	# 93
38) 1-Methylnaphthalene	12.272	142	230515	10.779	ng	# 91
52) Acenaphthene	14.325	154	496106	19.864	ng	# 88
58) Fluorene	15.325	166	1107959	34.211	ng	# 79
71) Phenanthrene	17.101	178	3961867	71.168	ng	# 95
75) Fluoranthene	19.184	202	1440866	22.331	ng	95
78) Pyrene	19.560	202	2176072	22.650	ng	97
81) Benzo(a)anthracene	21.454	228	765910	7.787	ng	# 89
83) Chrysene	21.519	228	868309	9.317	ng	# 90
84) Bis(2-ethylhexyl)phtha...	21.395	149	135011	2.141	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.401	276	519787	3.776	ng	97
88) Benzo(b)fluoranthene	23.695	252	969779	8.981	ng	# 94
89) Benzo(k)fluoranthene	23.748	252	312889m	2.847	ng	
90) Benzo(a)pyrene	24.560	252	722145	6.848	ng	# 93
92) Benzo(g,h,i)perylene	29.542	276	532023	4.785	ng	97

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

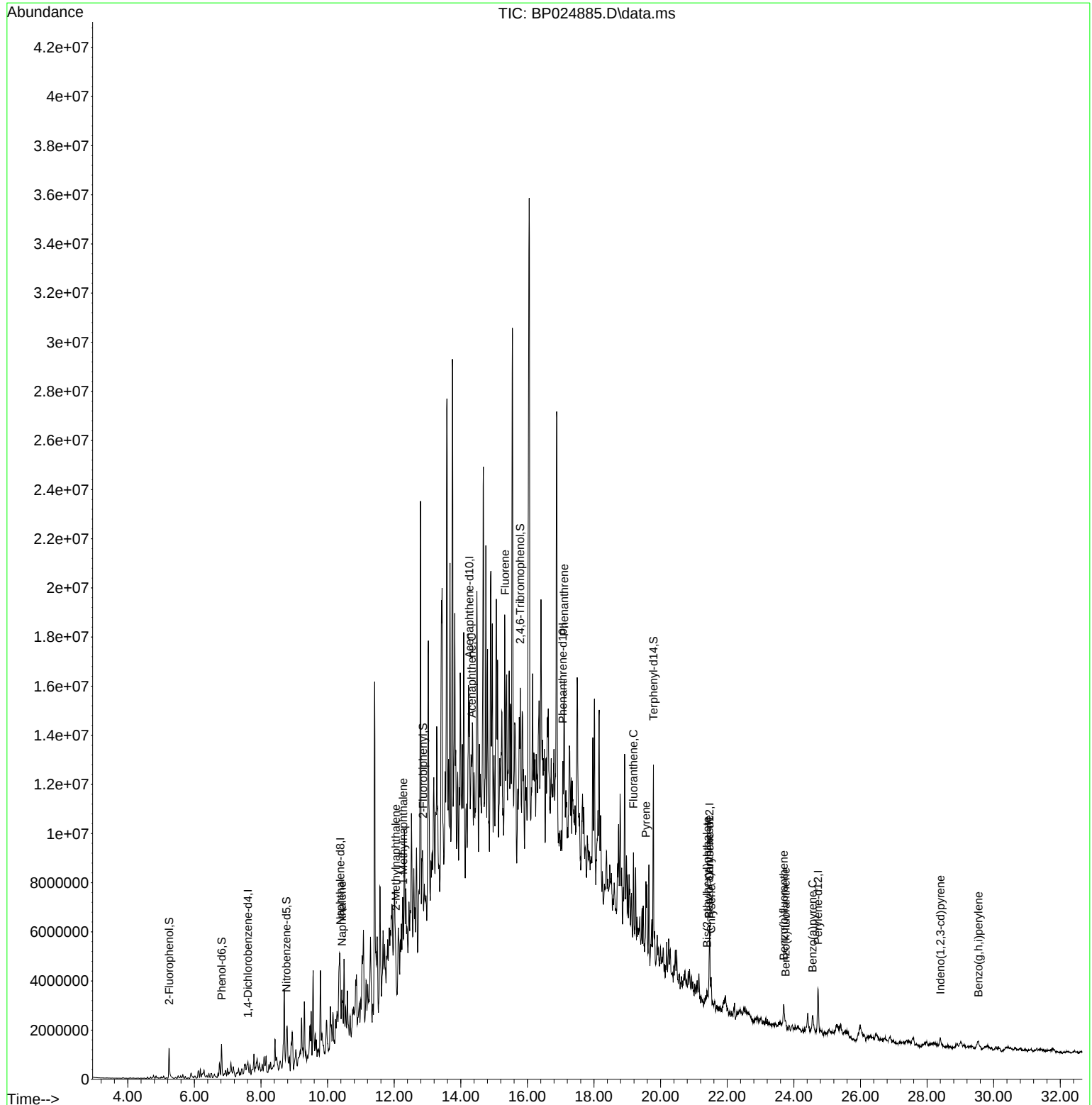
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060925\
Data File : BP024885.D
Acq On : 09 Jun 2025 20:18
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ALS Vial : 16 Sample Multiplier: 1

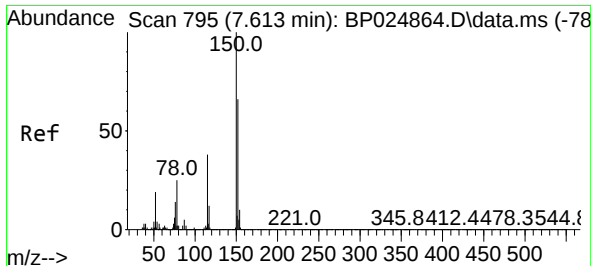
Instrument :
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Quant Time: Jun 10 01:31:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 06 16:20:27 2025
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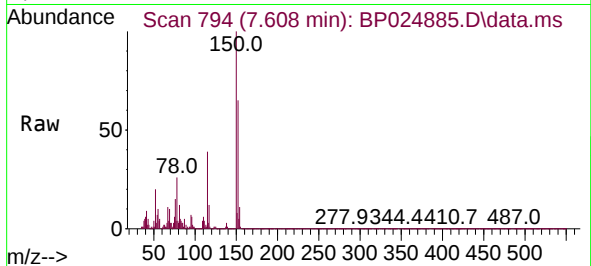
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.608 min Scan# 795
Delta R.T. -0.005 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

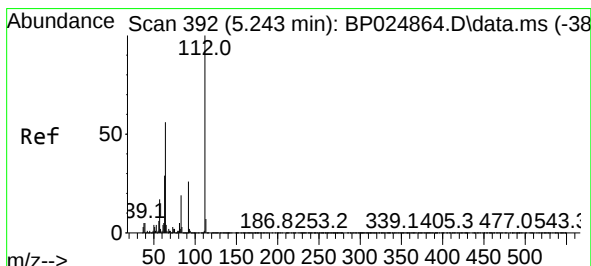
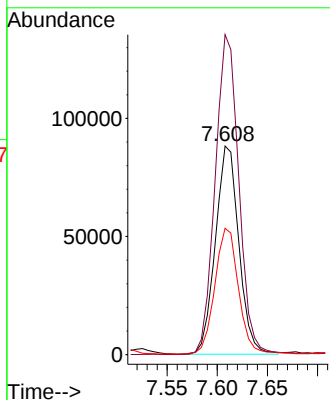
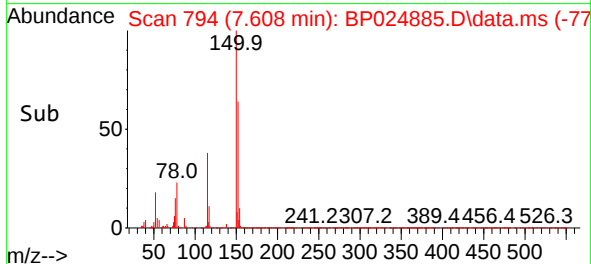
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BNA_P
ClientSampleId :
TP-3



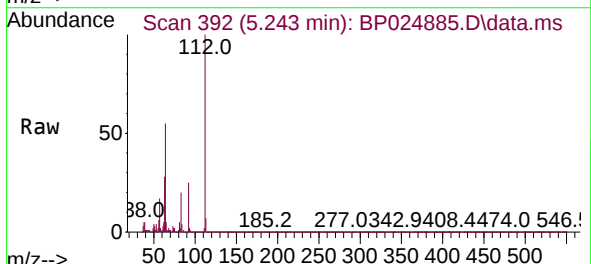
Tgt Ion:152 Resp: 144063
Ion Ratio Lower Upper
152 100
150 153.4 122.1 183.1
115 60.6 46.4 69.6

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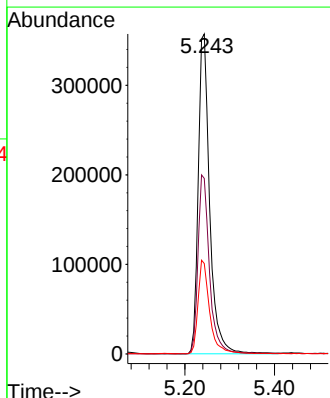
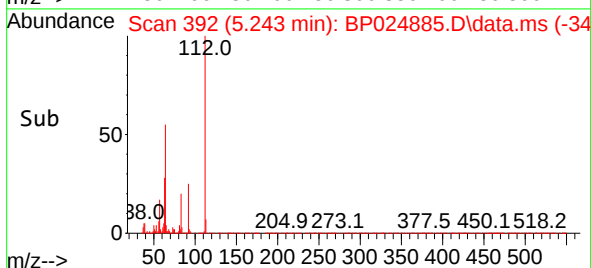
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

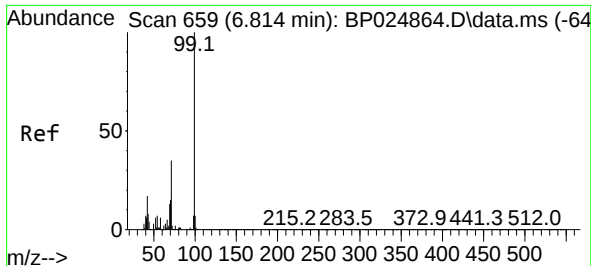


#5
2-Fluorophenol
Concen: 73.309 ng
RT: 5.243 min Scan# 392
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18



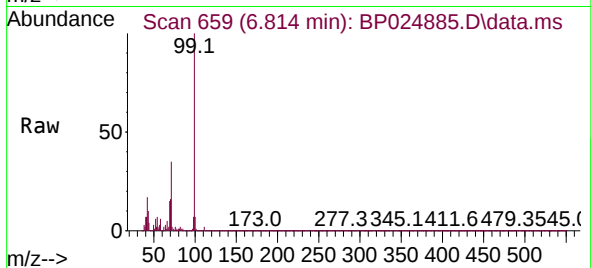
Tgt Ion:112 Resp: 632702
Ion Ratio Lower Upper
112 100
64 54.9 44.7 67.1
63 28.2 23.5 35.3





#7
Phenol-d6
Concen: 77.750 ng
RT: 6.814 min Scan# 659
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

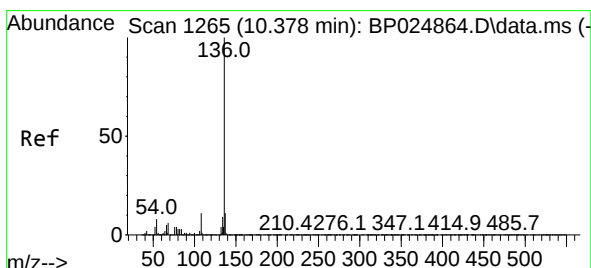
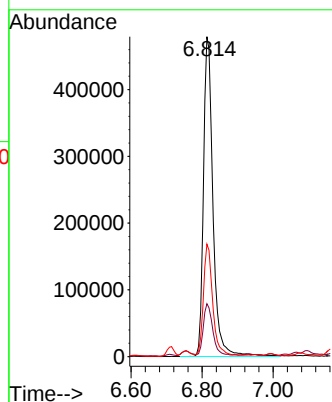
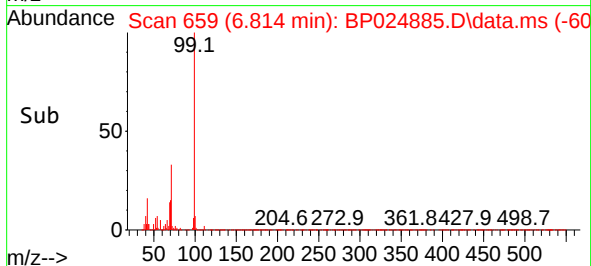
Instrument :
BNA_P
ClientSampleId :
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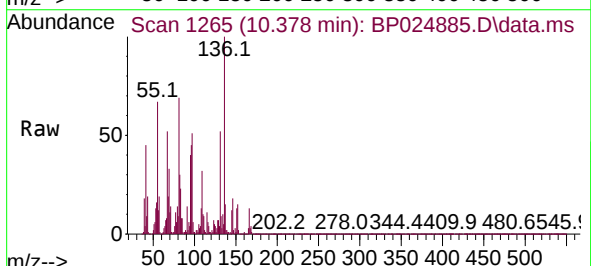
Tgt Ion: 99 Resp: 887846
Ion Ratio Lower Upper
99 100
42 16.6 13.4 20.2
71 35.1 27.6 41.4

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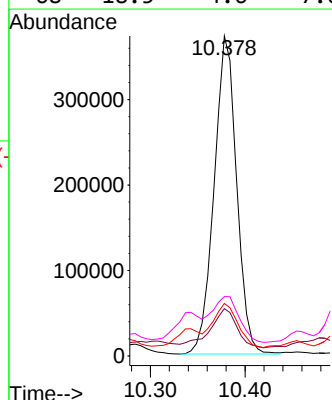
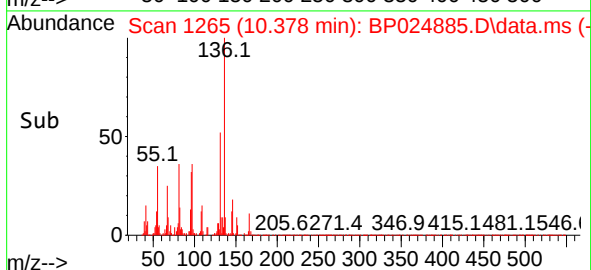
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

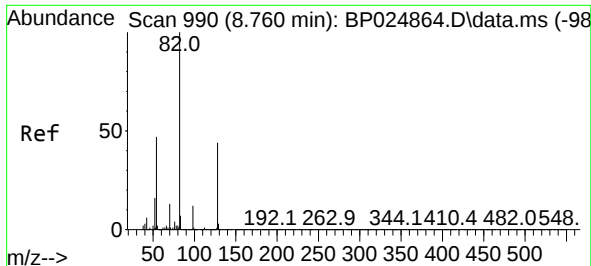


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18



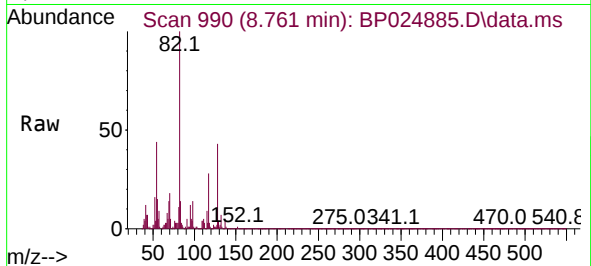
Tgt Ion:136 Resp: 615328
Ion Ratio Lower Upper
136 100
137 14.8 8.9 13.3#
54 16.4 6.1 9.1#
68 18.5 4.6 7.0#





#23
Nitrobenzene-d5
Concen: 47.153 ng
RT: 8.761 min Scan# 990
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

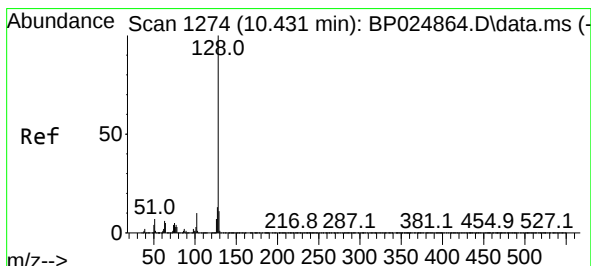
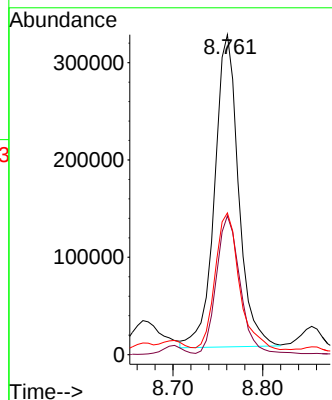
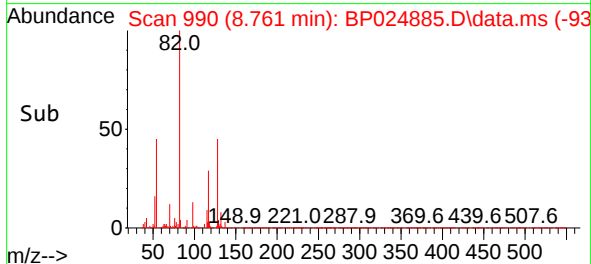
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion: 82 Resp: 597098
Ion Ratio Lower Upper
82 100
128 43.4 35.3 52.9
54 44.3 37.4 56.0

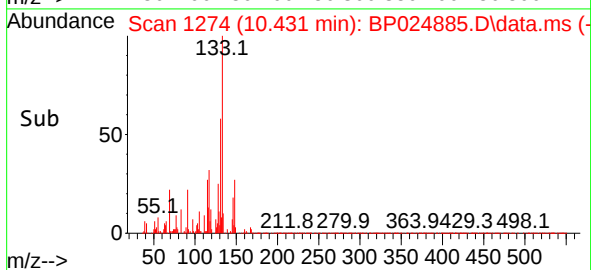
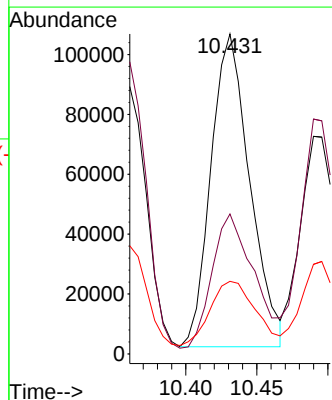
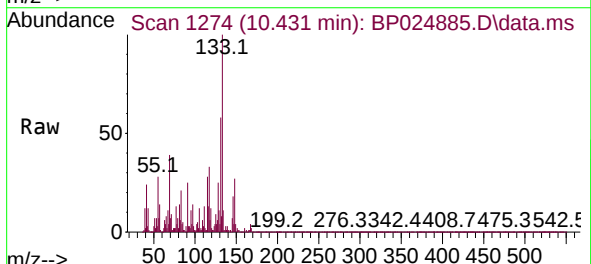
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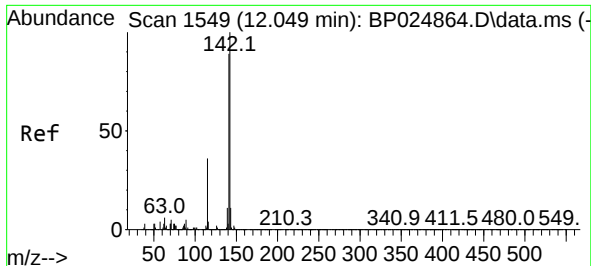
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#31
Naphthalene
Concen: 6.299 ng
RT: 10.431 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

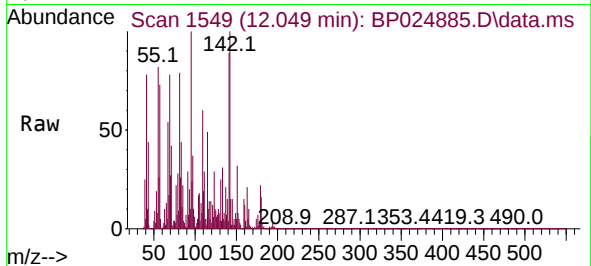
Tgt Ion:128 Resp: 198628
Ion Ratio Lower Upper
128 100
129 43.7 8.7 13.1#
127 22.7 10.7 16.1#





#37
2-Methylnaphthalene
Concen: 20.453 ng
RT: 12.049 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

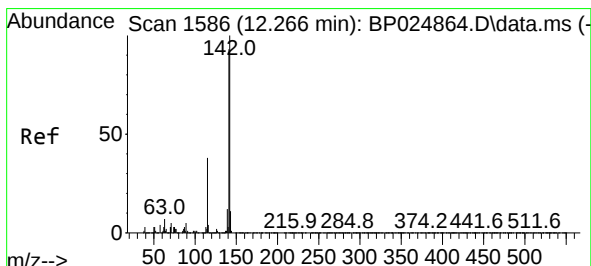
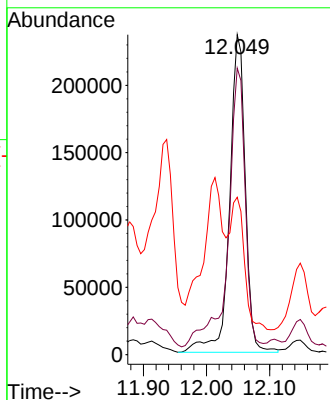
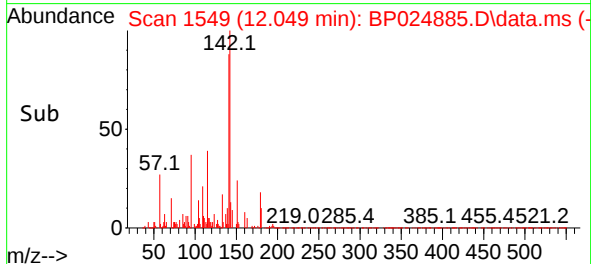
Instrument :
BNA_P
ClientSampleId :
TP-3



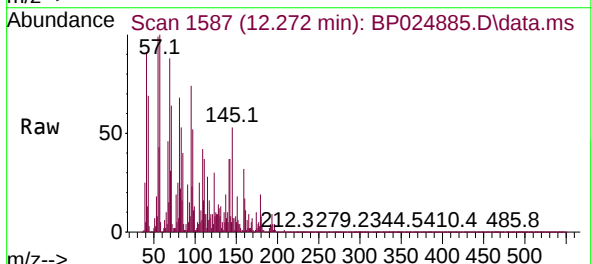
Tgt Ion:142 Resp: 409098
Ion Ratio Lower Upper
142 100
141 89.5 71.2 106.8
115 49.2 28.5 42.7

Manual Integrations
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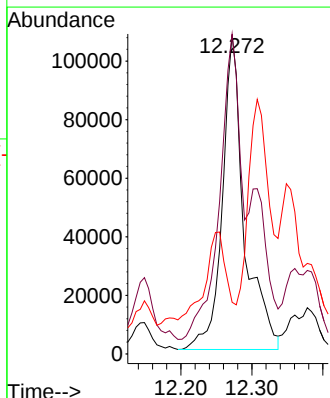
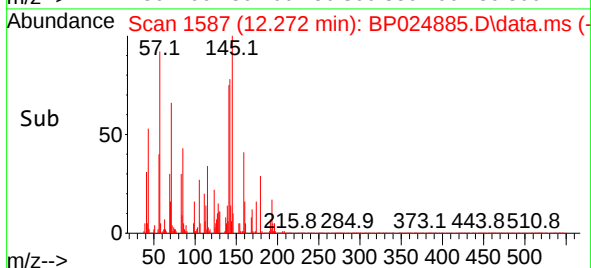
Reviewed By :Rahul Chavli 06/10/2025
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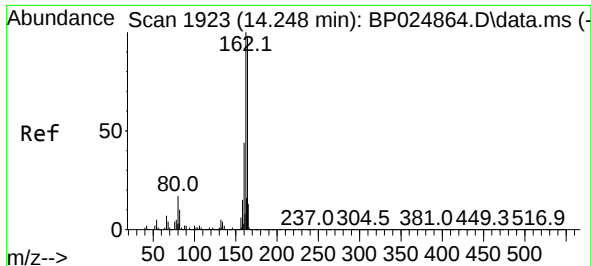


#38
1-Methylnaphthalene
Concen: 10.779 ng
RT: 12.272 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18



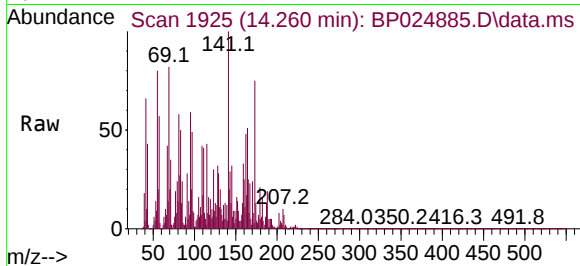
Tgt Ion:142 Resp: 230515
Ion Ratio Lower Upper
142 100
141 100.4 74.7 112.1
116 16.2 3.4 5.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.260 min Scan# 1923
Delta R.T. 0.012 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

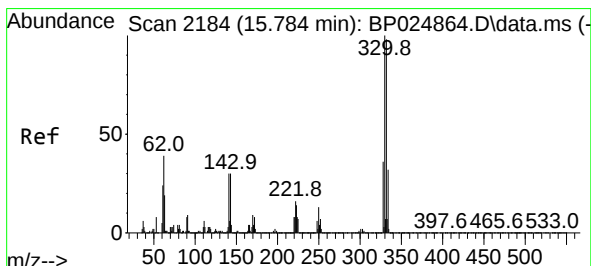
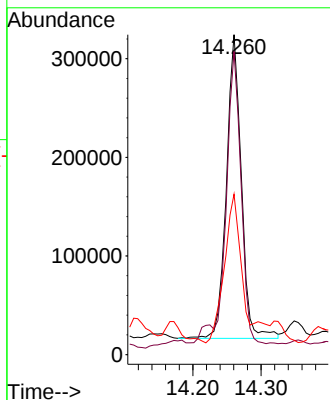
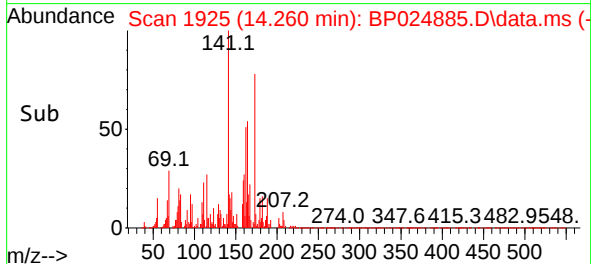
Instrument :
BNA_P
ClientSampleId :
TP-3



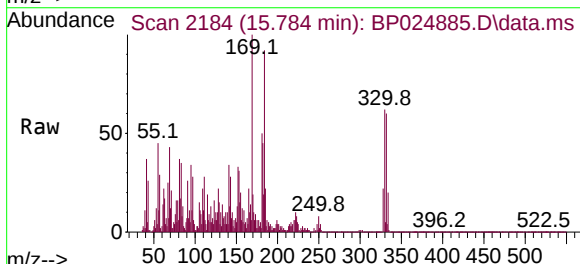
Tgt Ion:164 Resp: 468000
Ion Ratio Lower Upper
164 100
162 94.7 81.6 122.4
160 50.1 36.2 54.2

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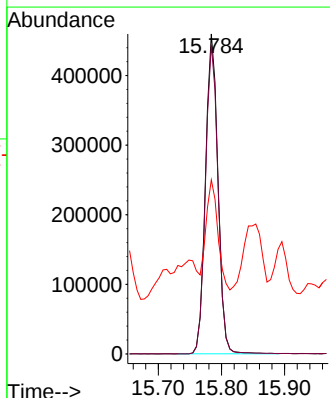
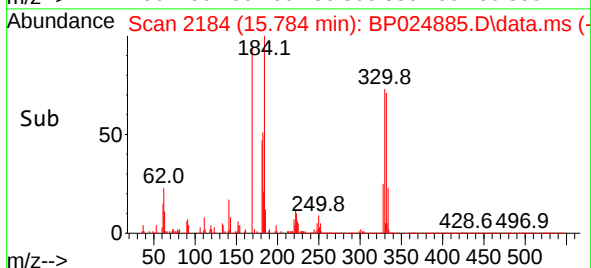
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

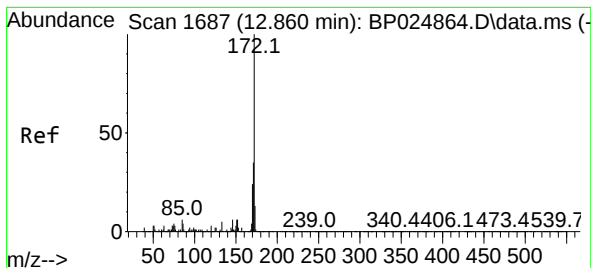


#42
2,4,6-Tribromophenol
Concen: 97.520 ng
RT: 15.784 min Scan# 2184
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18



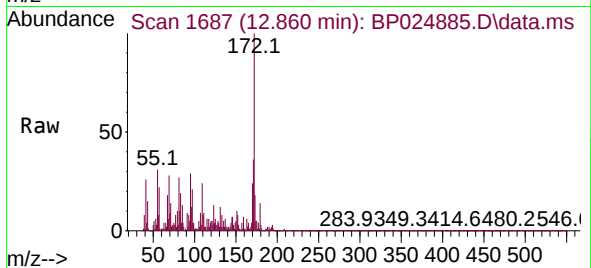
Tgt Ion:330 Resp: 630988
Ion Ratio Lower Upper
330 100
332 97.3 77.7 116.5
141 31.9 26.4 39.6





#45
2-Fluorobiphenyl
Concen: 40.039 ng
RT: 12.860 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

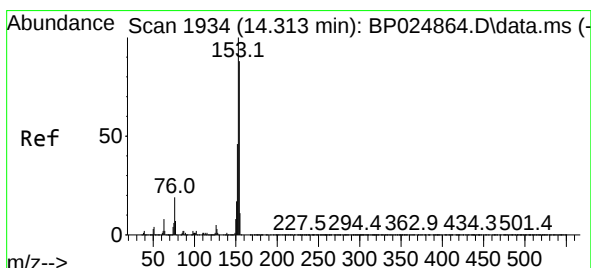
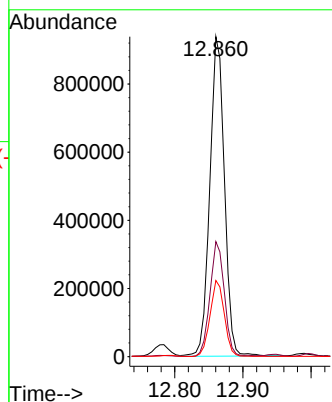
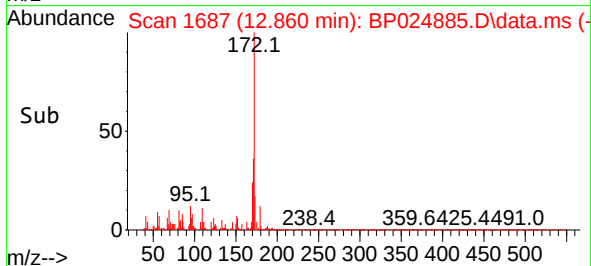
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion:172 Resp: 1390972
Ion Ratio Lower Upper
172 100
171 35.9 28.3 42.5
170 23.8 19.0 28.4

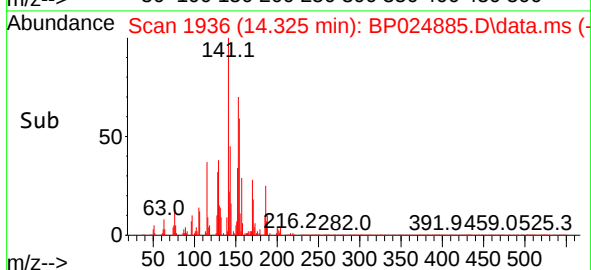
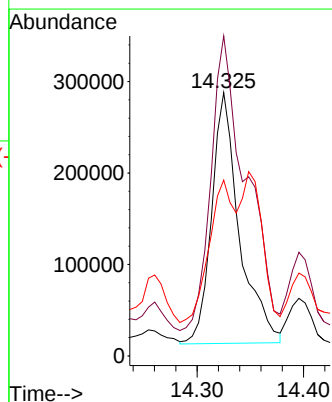
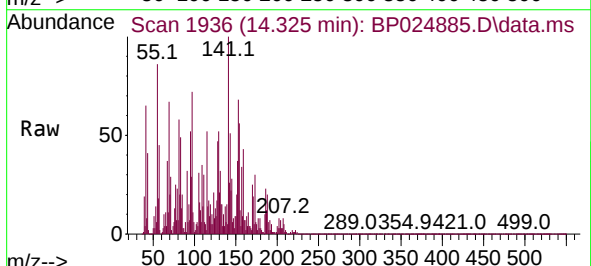
Manual Integrations
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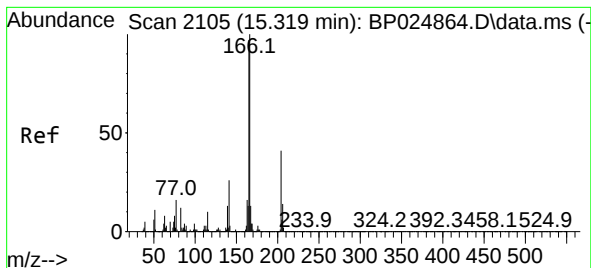
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#52
Acenaphthene
Concen: 19.864 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.012 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

Tgt Ion:154 Resp: 496106
Ion Ratio Lower Upper
154 100
153 121.5 90.5 135.7
152 66.7 42.1 63.1#





#58

Fluorene

Concen: 34.211 ng

RT: 15.325 min Scan# 2105

Delta R.T. 0.006 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:166 Resp: 1107959

Ion Ratio Lower Upper

166 100

165 112.3 77.7 116.5

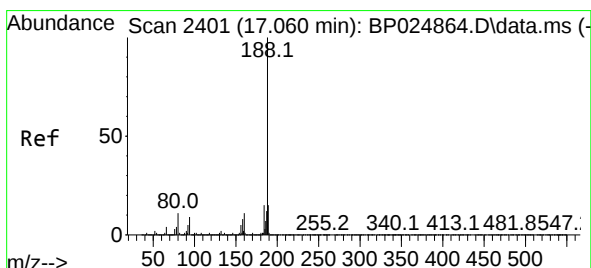
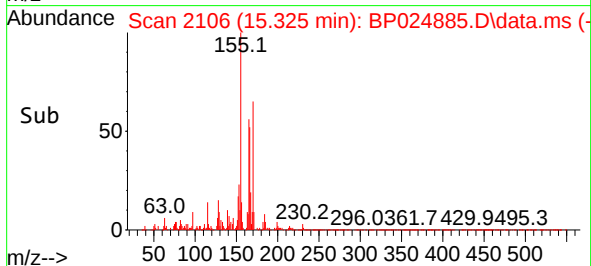
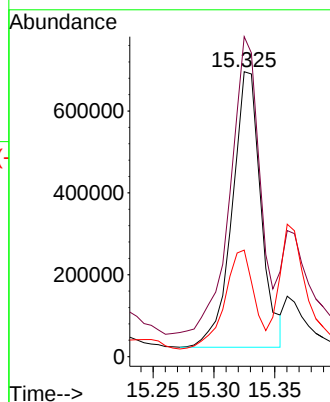
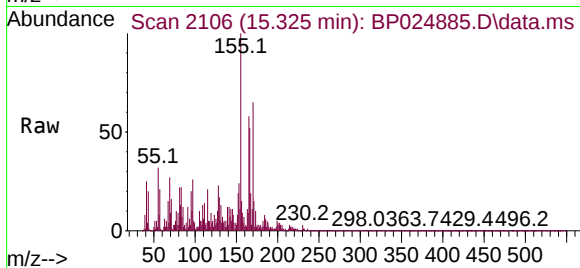
167 37.4 10.6 16.0

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.060 min Scan# 2401

Delta R.T. 0.000 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

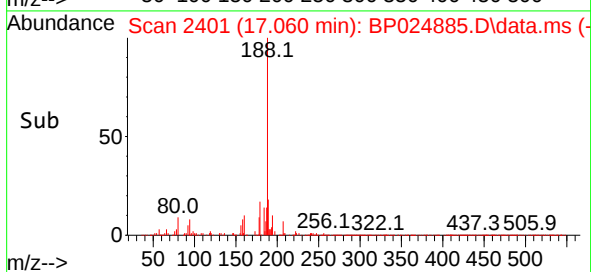
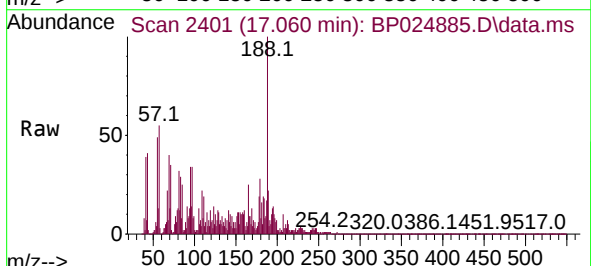
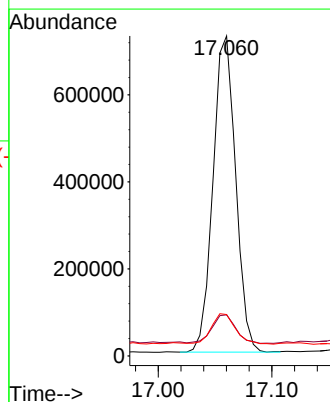
Tgt Ion:188 Resp: 1007387

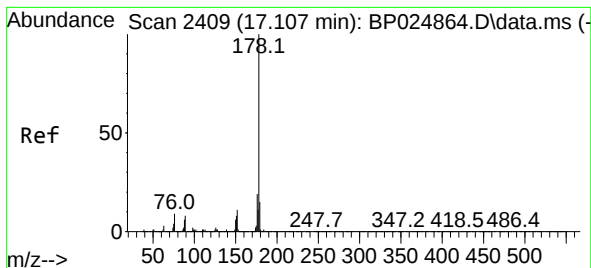
Ion Ratio Lower Upper

188 100

94 12.8 7.3 10.9#

80 12.9 8.5 12.7#





#71

Phenanthrene

Concen: 71.168 ng

RT: 17.101 min Scan# 2408

Delta R.T. -0.006 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:178 Resp: 396186

Ion Ratio Lower Upper

178 100

176 19.8 15.3 22.9

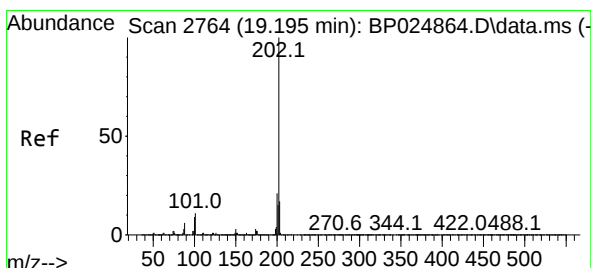
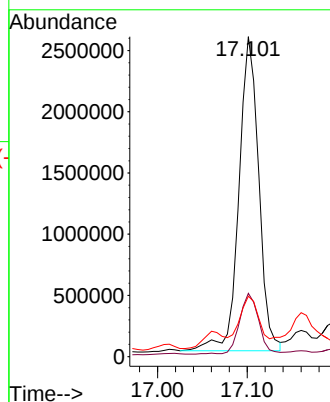
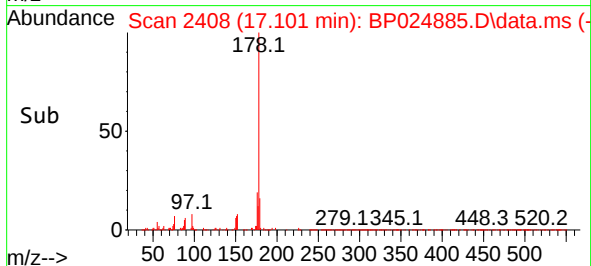
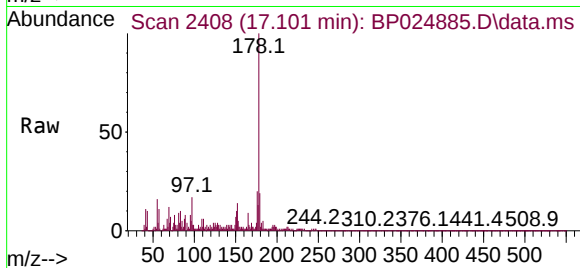
179 18.9 12.1 18.1

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#75

Fluoranthene

Concen: 22.331 ng

RT: 19.184 min Scan# 2762

Delta R.T. -0.012 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

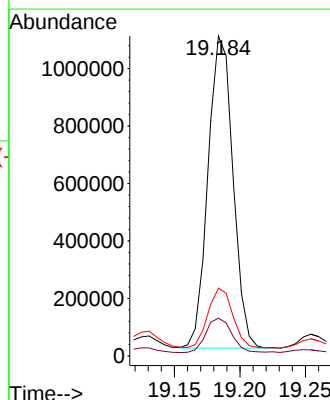
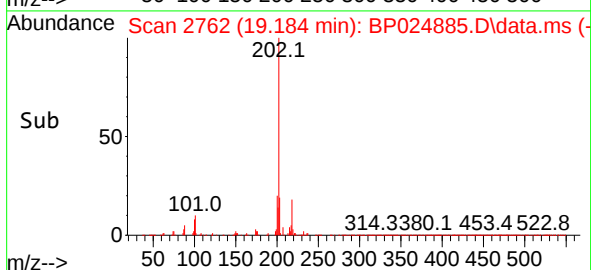
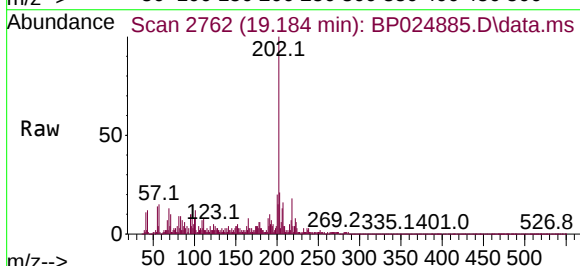
Tgt Ion:202 Resp: 1440866

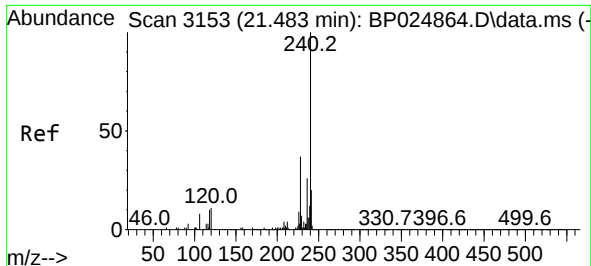
Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.4

203 21.2 0.0 37.5





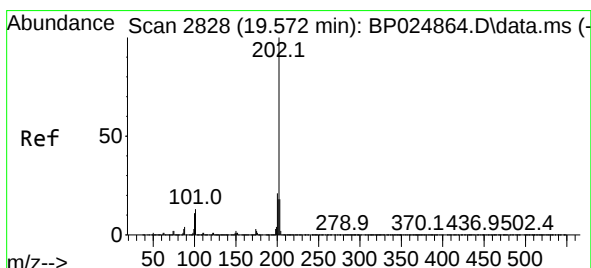
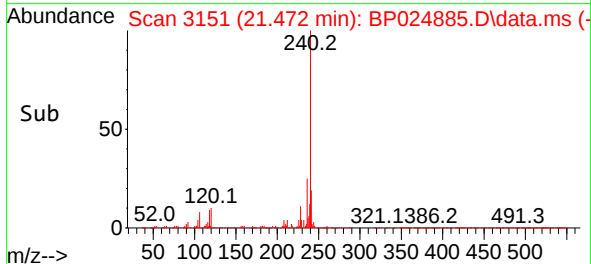
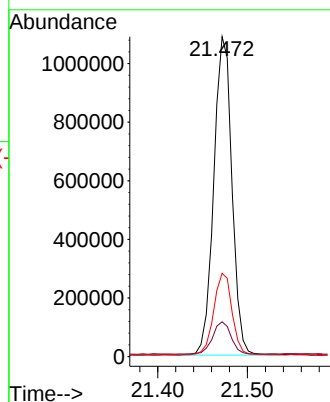
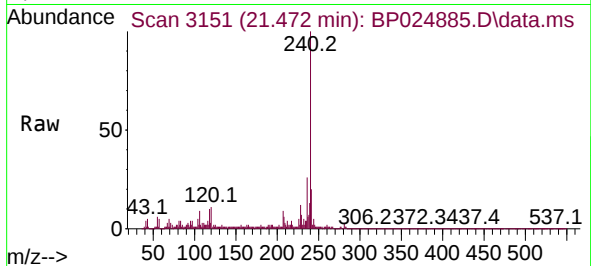
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.472 min Scan# 3153
Delta R.T. -0.012 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion:240 Resp: 153781
Ion Ratio Lower Upper
240 100
120 10.9 8.9 13.3
236 26.0 20.9 31.3

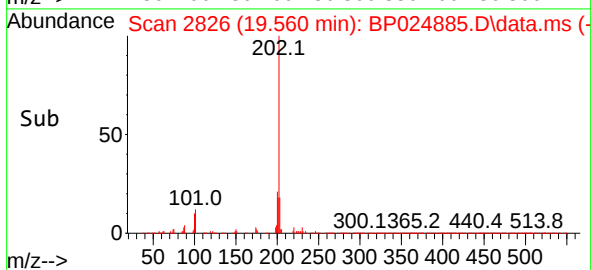
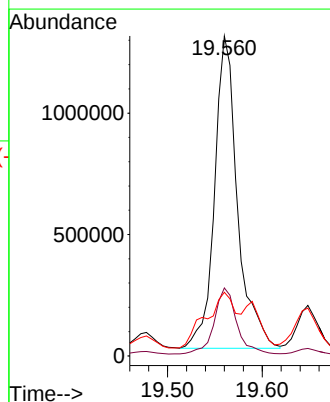
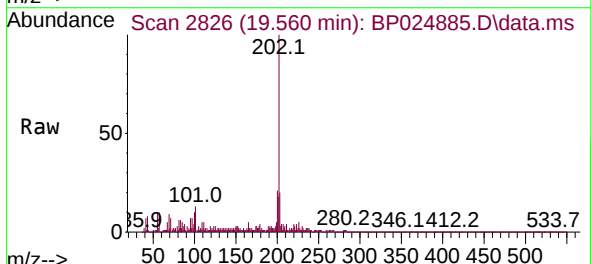
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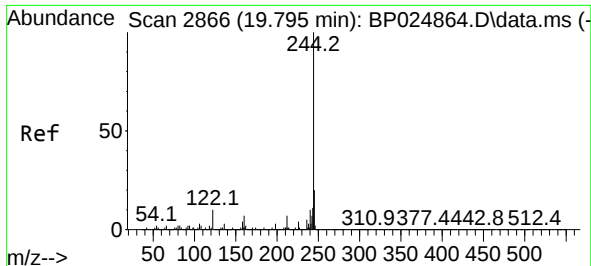
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025



#78
Pyrene
Concen: 22.650 ng
RT: 19.560 min Scan# 2826
Delta R.T. -0.012 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

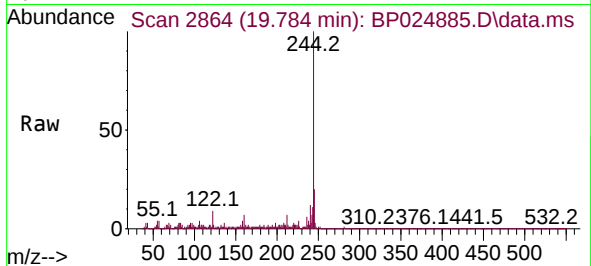
Tgt Ion:202 Resp: 2176072
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 19.9 14.0 21.0





#79
 Terphenyl-d14
 Concen: 41.032 ng
 RT: 19.784 min Scan# 2866
 Delta R.T. -0.012 min
 Lab File: BP024885.D
 Acq: 09 Jun 2025 20:18

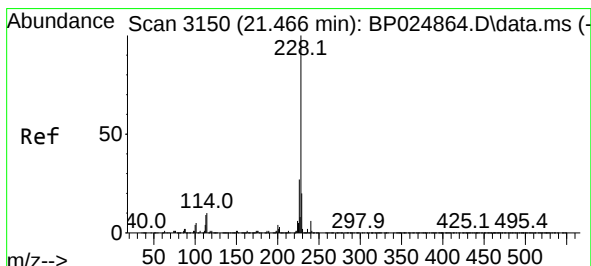
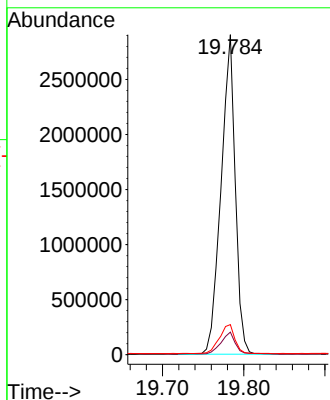
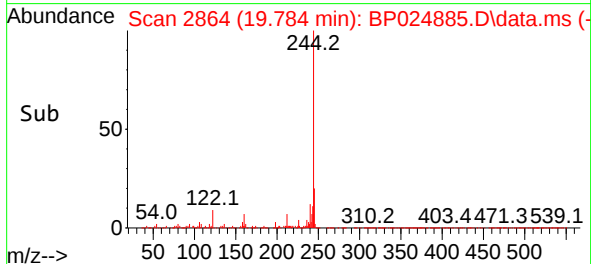
Instrument :
 BNA_P
 ClientSampleId :
 TP-3



Tgt Ion:244 Resp: 3520676
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.6 8.4
 122 9.4 7.7 11.5

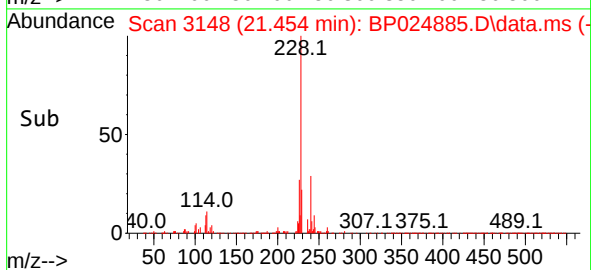
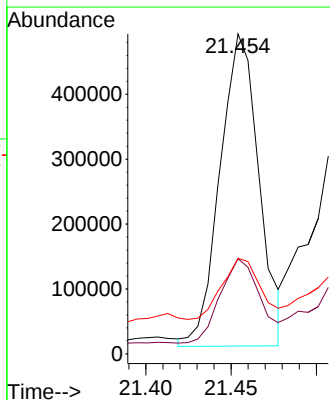
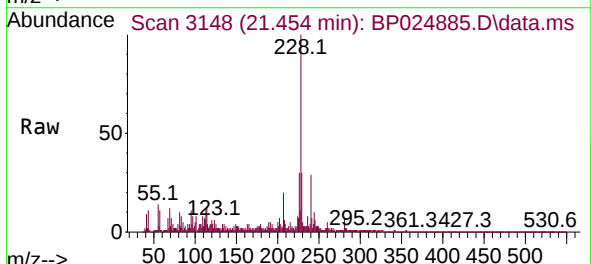
Manual Integrations
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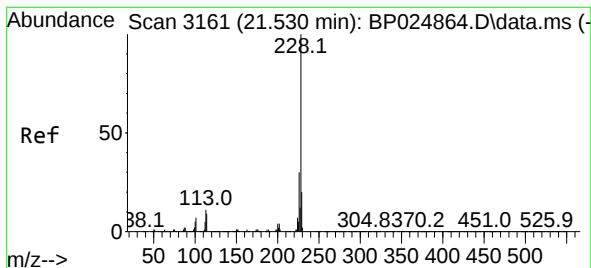
Reviewed By :Rahul Chavli 06/10/2025
 Supervised By :Jagrut Upadhyay 06/10/2025



#81
 Benzo(a)anthracene
 Concen: 7.787 ng
 RT: 21.454 min Scan# 3148
 Delta R.T. -0.012 min
 Lab File: BP024885.D
 Acq: 09 Jun 2025 20:18

Tgt Ion:228 Resp: 765910
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.1 33.1
 229 29.9 15.9 23.9#





#83

Chrysene

Concen: 9.317 ng

RT: 21.519 min Scan# 3161

Delta R.T. -0.012 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

TP-3

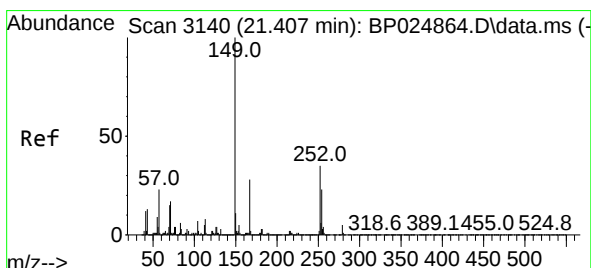
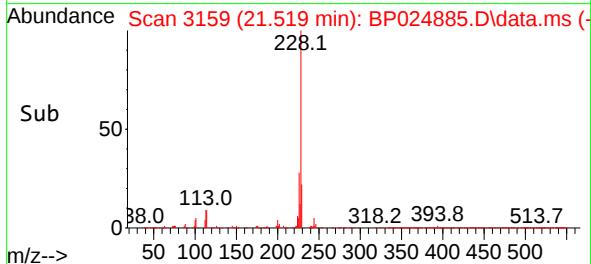
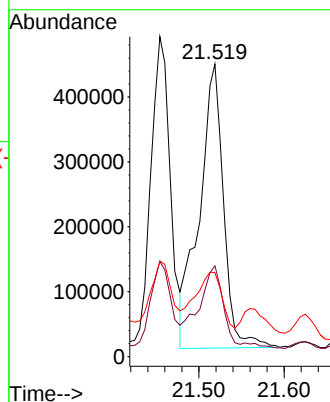
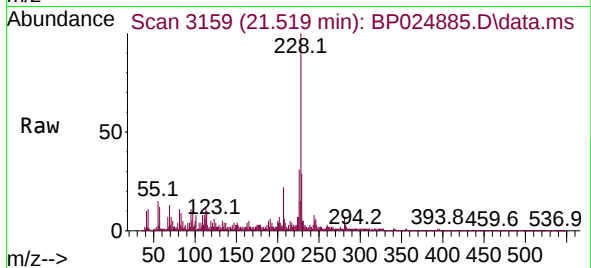
Tgt Ion:228 Resp: 868309
 Ion Ratio Lower Upper
 228 100
 226 31.0 23.8 35.6
 229 28.7 15.6 23.4

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.141 ng

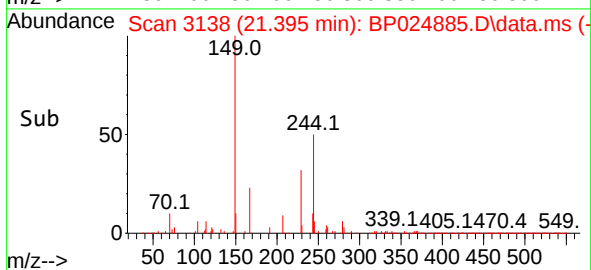
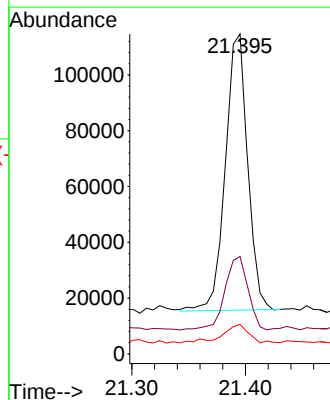
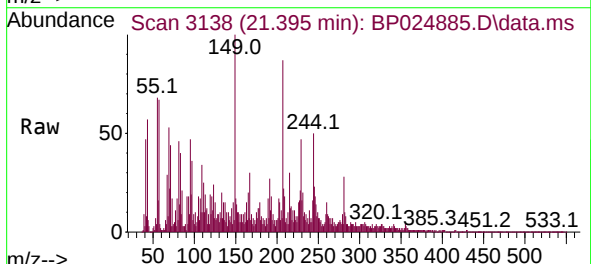
RT: 21.395 min Scan# 3138

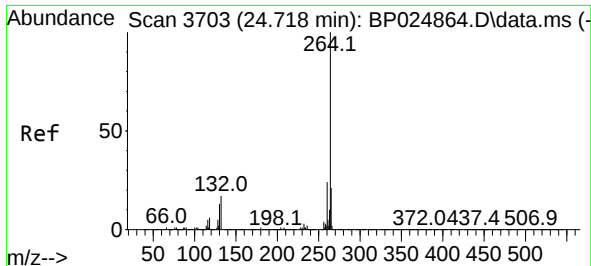
Delta R.T. -0.012 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

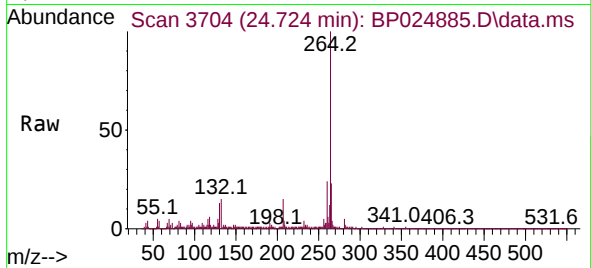
Tgt Ion:149 Resp: 135011
 Ion Ratio Lower Upper
 149 100
 167 30.4 22.2 33.4
 279 9.2 4.0 6.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.724 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18

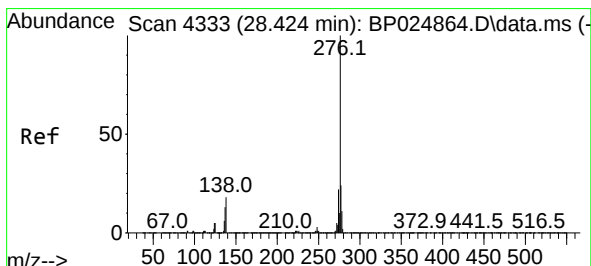
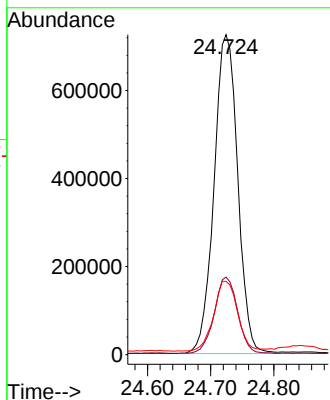
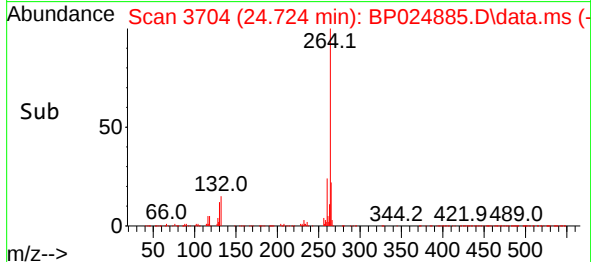
Instrument :
BNA_P
ClientSampleId :
TP-3



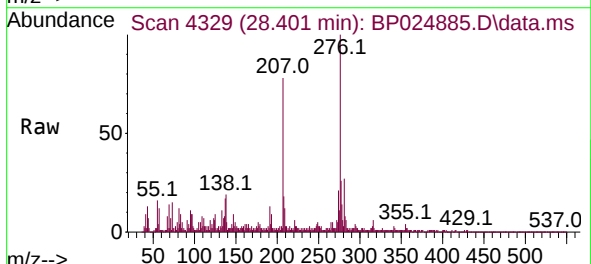
Tgt Ion:264 Resp: 188670
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 22.9 17.4 26.0

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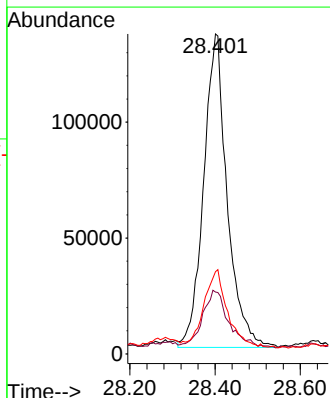
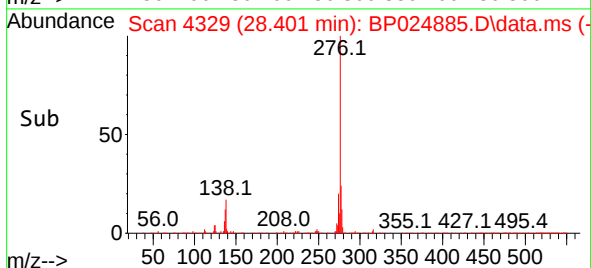
Reviewed By :Rahul Chavli 06/10/2025
Supervised By :Jagrut Upadhyay 06/10/2025

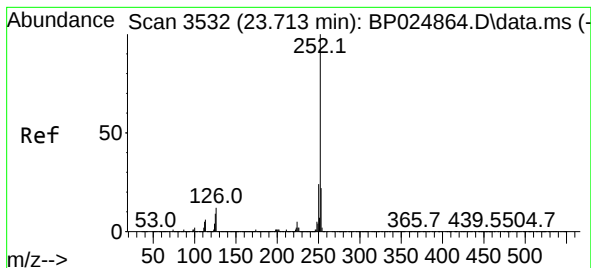


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.776 ng
RT: 28.401 min Scan# 4329
Delta R.T. -0.023 min
Lab File: BP024885.D
Acq: 09 Jun 2025 20:18



Tgt Ion:276 Resp: 519787
Ion Ratio Lower Upper
276 100
138 20.7 18.6 27.8
277 24.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 8.981 ng

RT: 23.695 min Scan# 3529

Delta R.T. -0.018 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

TP-3

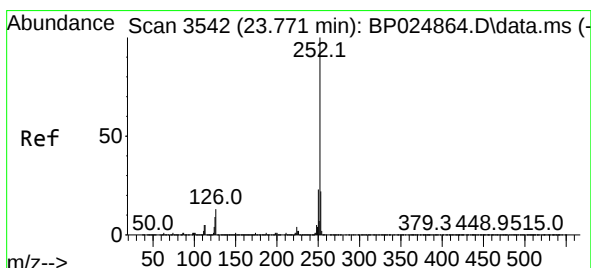
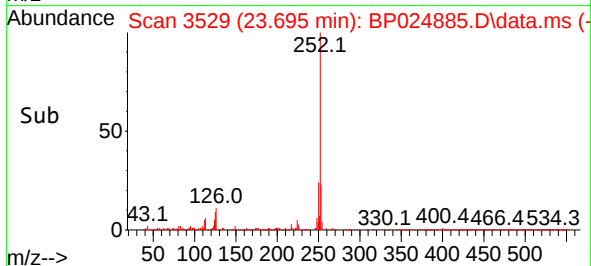
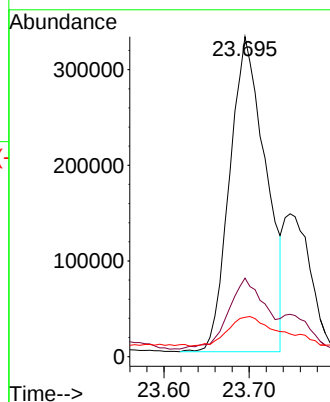
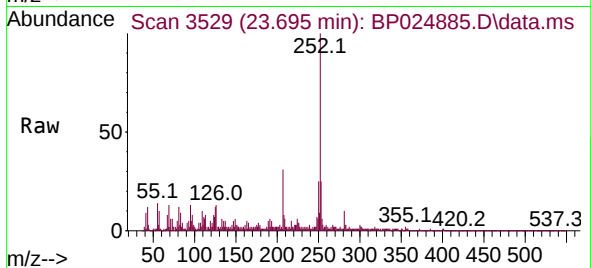
Tgt Ion:252 Resp: 969779
 Ion Ratio Lower Upper
 252 100
 253 24.5 17.6 26.4
 125 12.3 7.1 10.7

Manual Integrations

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Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#89

Benzo(k)fluoranthene

Concen: 2.847 ng m

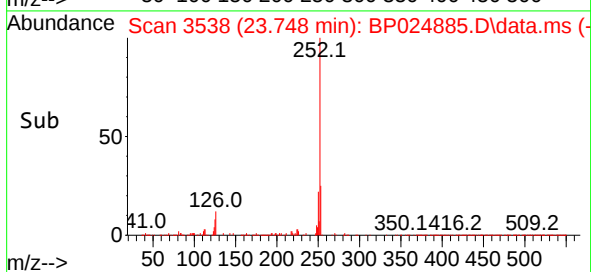
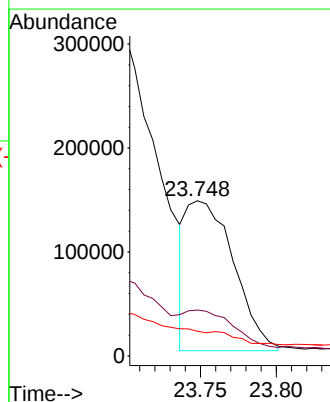
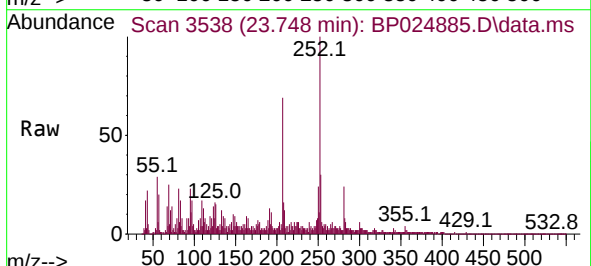
RT: 23.748 min Scan# 3538

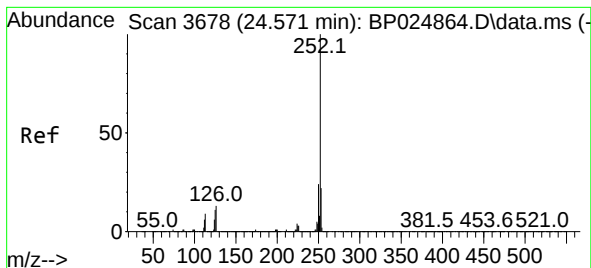
Delta R.T. -0.023 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

Tgt Ion:252 Resp: 312889
 Ion Ratio Lower Upper
 252 100
 253 29.6 17.7 26.5#
 125 15.9 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 6.848 ng

RT: 24.560 min Scan# 30

Delta R.T. -0.012 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

Instrument :

BNA_P

ClientSampleId :

TP-3

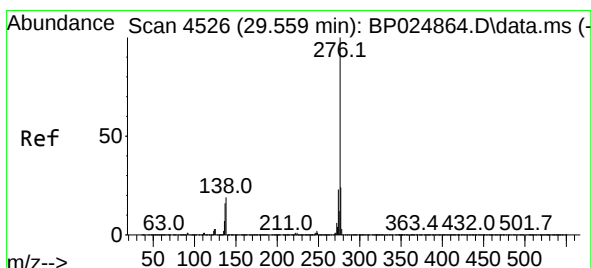
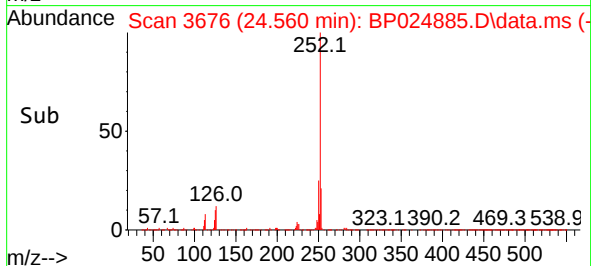
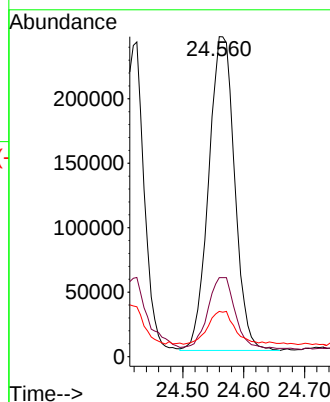
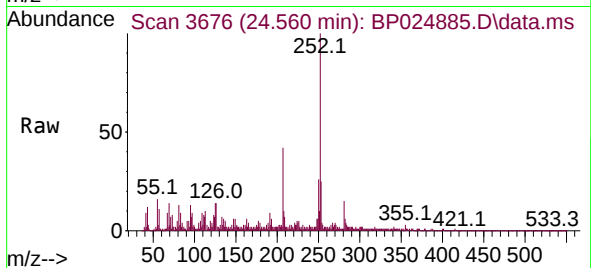
Tgt Ion:252 Resp: 722145
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.5 26.3
 125 14.1 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/10/2025

Supervised By :Jagrut Upadhyay 06/10/2025



#92

Benzo(g,h,i)perylene

Concen: 4.785 ng

RT: 29.542 min Scan# 4523

Delta R.T. -0.018 min

Lab File: BP024885.D

Acq: 09 Jun 2025 20:18

Tgt Ion:276 Resp: 532023
 Ion Ratio Lower Upper
 276 100
 277 25.6 19.1 28.7
 138 20.3 15.4 23.2

