

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
 Data File : BP024927.D
 Acq On : 12 Jun 2025 13:08
 Operator : RC/JU
 Sample : Q2280-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT-4643

Manual Integrations
 APPROVED

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

Quant Time: Jun 12 14:04:00 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	7.607	152	258403	20.000	ng	0.00
21) Naphthalene-d8	10.378	136	1031885	20.000	ng	0.00
39) Acenaphthene-d10	14.254	164	656184	20.000	ng	0.00
64) Phenanthrene-d10	17.060	188	1295931	20.000	ng	0.00
76) Chrysene-d12	21.489	240	1330982	20.000	ng	0.00
86) Perylene-d12	24.748	264	1564802	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.237	112	2198885	142.041	ng	0.00
7) Phenol-d6	6.819	99	2843488	138.825	ng	0.00
23) Nitrobenzene-d5	8.760	82	1770307	83.366	ng	0.00
42) 2,4,6-Tribromophenol	15.778	330	1419857	156.508	ng	0.00
45) 2-Fluorobiphenyl	12.860	172	4062495	83.401	ng	0.00
79) Terphenyl-d14	19.783	244	6398454	86.159	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	14.319	154	86187	2.461	ng	99
55) Dibenzofuran	14.660	168	145289	2.585	ng	99
58) Fluorene	15.319	166	119503	2.632	ng	97
71) Phenanthrene	17.101	178	647057	9.035	ng	99
72) Anthracene	17.195	178	168164	2.319	ng	99
75) Fluoranthene	19.189	202	1400420	16.872	ng	100
78) Pyrene	19.566	202	1281612	15.413	ng	100
81) Benzo(a)anthracene	21.471	228	561253	6.593	ng	99
83) Chrysene	21.530	228	771953	9.570	ng	97
87) Indeno(1,2,3-cd)pyrene	28.448	276	458899	4.019	ng	95
88) Benzo(b)fluoranthene	23.724	252	1114201	12.442	ng	99
89) Benzo(k)fluoranthene	23.789	252	343622m	3.770	ng	
90) Benzo(a)pyrene	24.601	252	518569	5.929	ng	98
92) Benzo(g,h,i)perylene	29.606	276	447200	4.850	ng	98

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

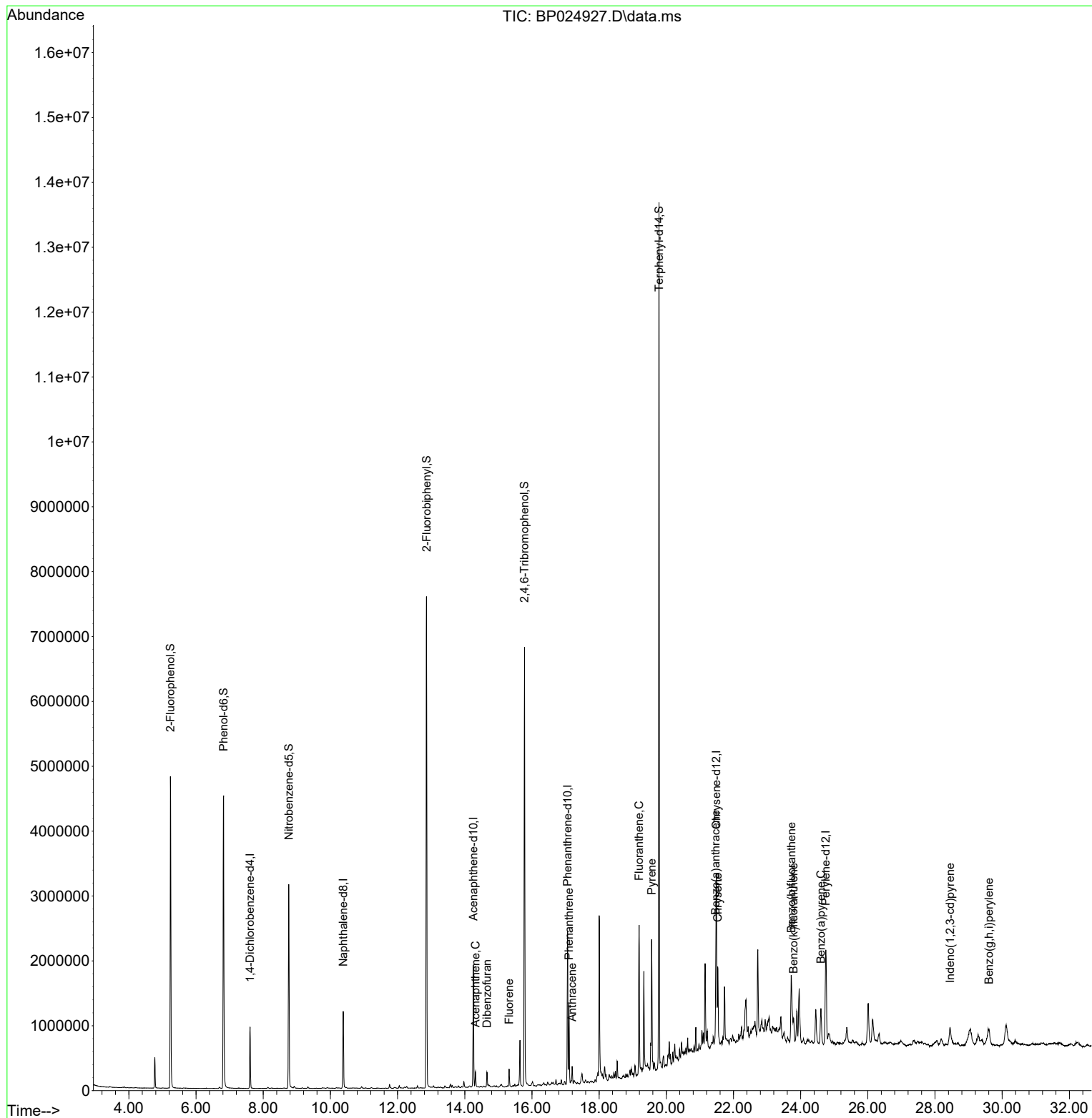
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061225\
Data File : BP024927.D
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ALS Vial : 6 Sample Multiplier: 1

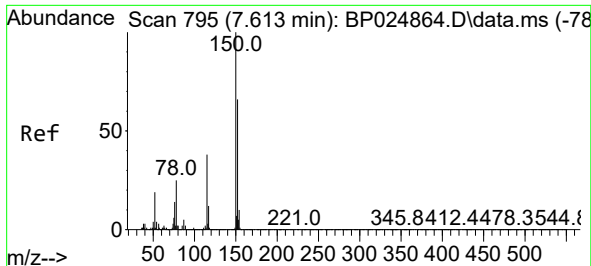
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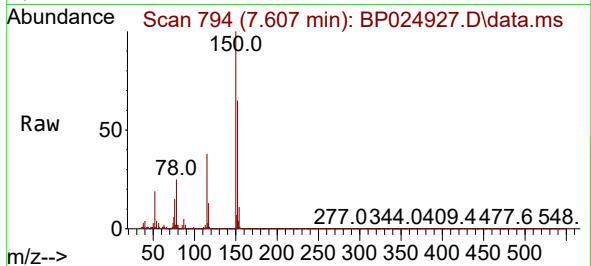
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.607 min Scan# 795
Delta R.T. -0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

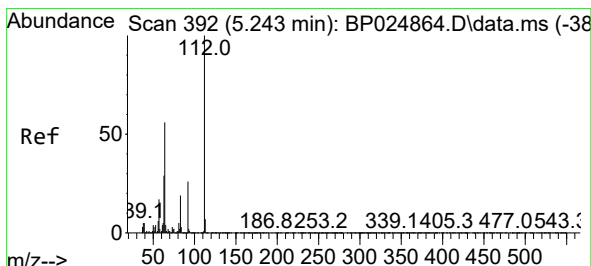
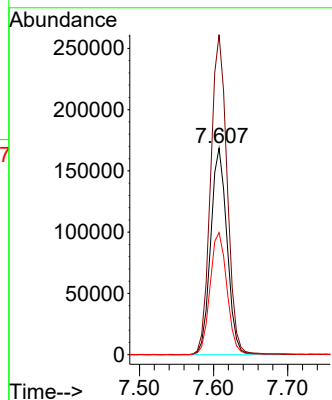
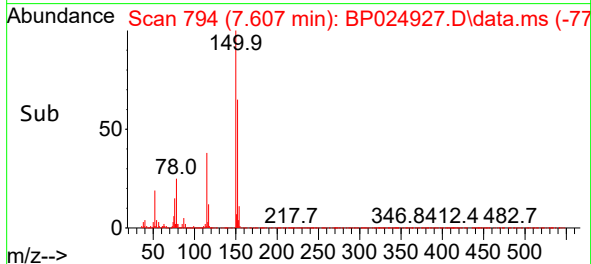
Instrument :
BNA_P
ClientSampleId :
RT-4643



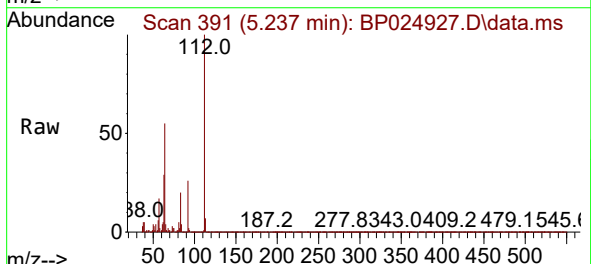
Tgt Ion:152 Resp: 25840
Ion Ratio Lower Upper
152 100
150 154.9 122.1 183.1
115 59.1 46.4 69.6

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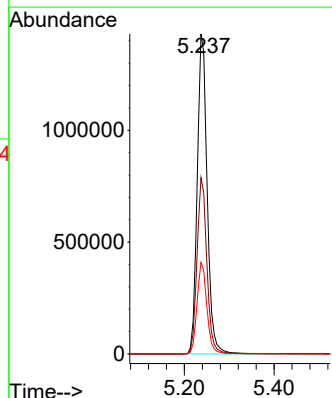
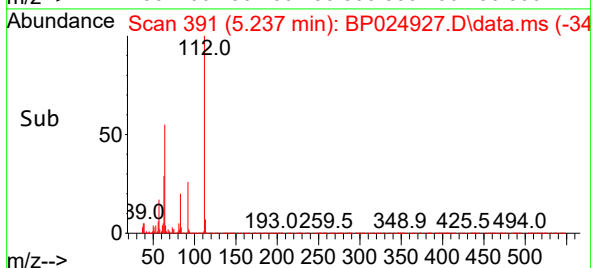
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

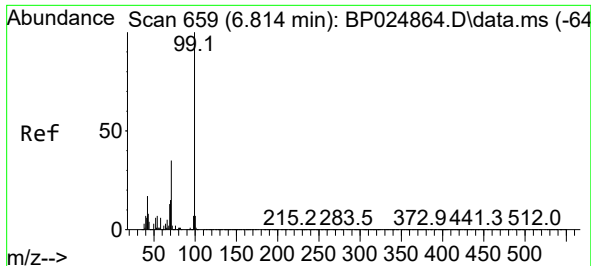


#5
2-Fluorophenol
Concen: 142.041 ng
RT: 5.237 min Scan# 391
Delta R.T. -0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08



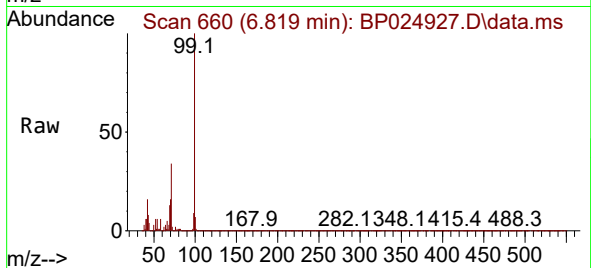
Tgt Ion:112 Resp: 2198885
Ion Ratio Lower Upper
112 100
64 55.1 44.7 67.1
63 28.6 23.5 35.3





#7
Phenol-d6
Concen: 138.825 ng
RT: 6.819 min Scan# 60
Delta R.T. 0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Instrument :
BNA_P
ClientSampleId :
RT-4643

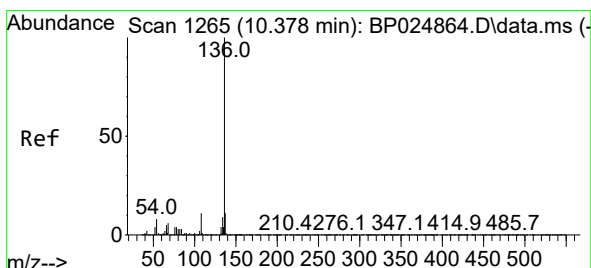
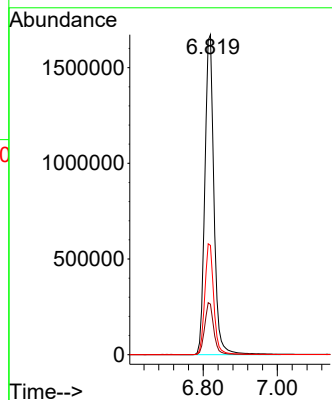
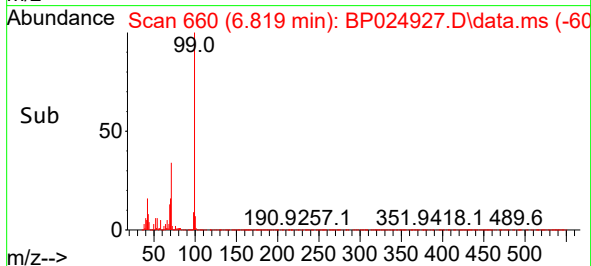


Tgt Ion: 99 Resp: 284348

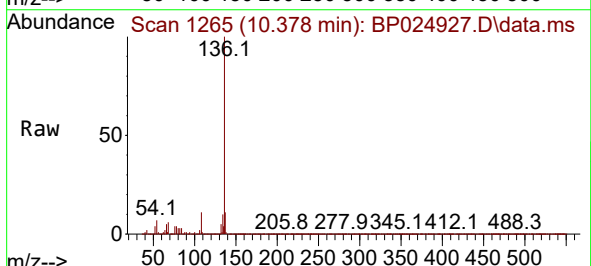
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.4	20.2
71	34.2	27.6	41.4

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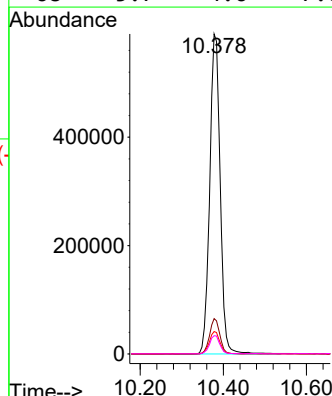
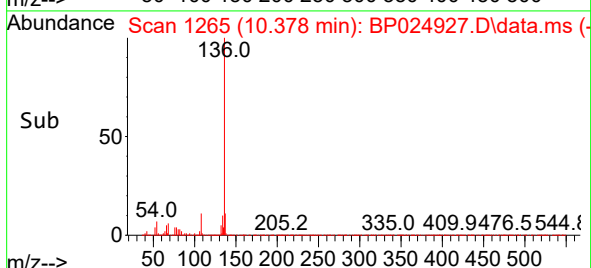


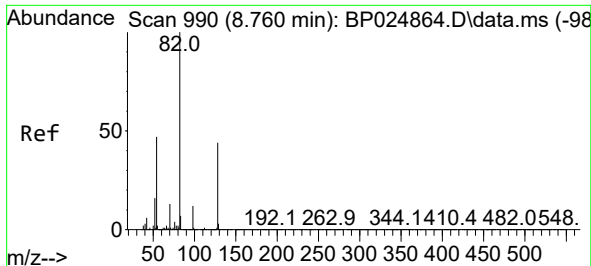
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.378 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08



Tgt Ion:136 Resp: 1031885

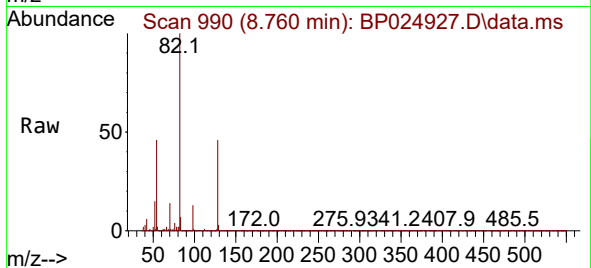
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.1	9.1
68	5.7	4.6	7.0





#23
Nitrobenzene-d5
Concen: 83.366 ng
RT: 8.760 min Scan# 990
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

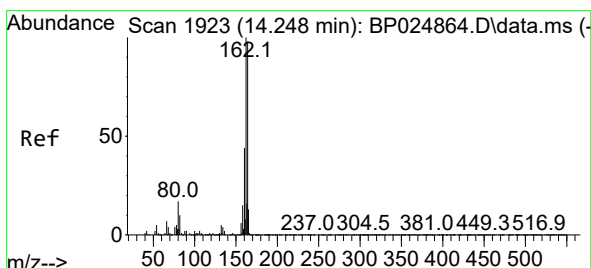
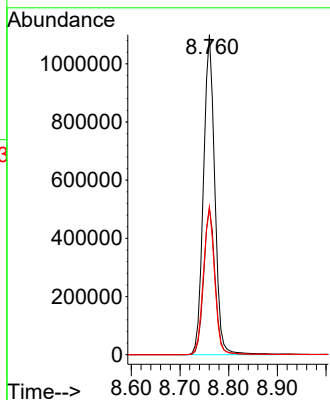
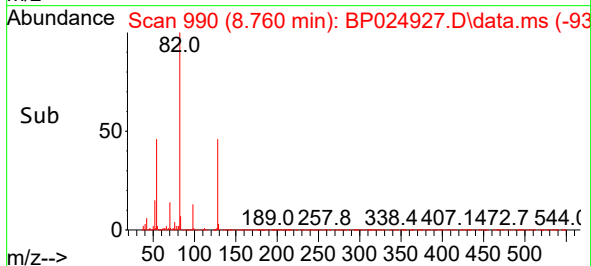
Instrument :
BNA_P
ClientSampleId :
RT-4643



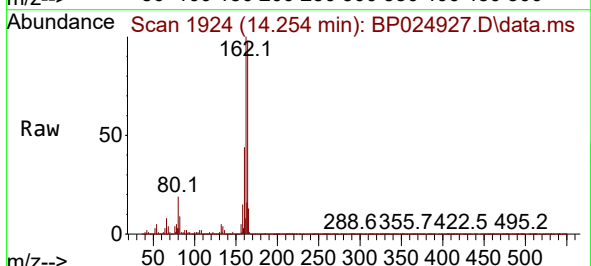
Tgt Ion: 82 Resp: 1770307
Ion Ratio Lower Upper
82 100
128 45.9 35.3 52.9
54 46.2 37.4 56.0

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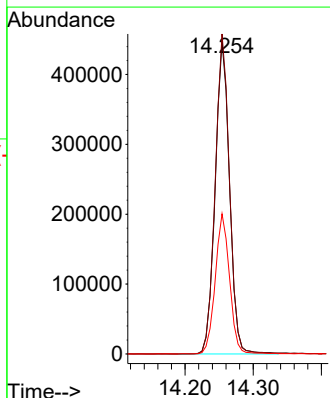
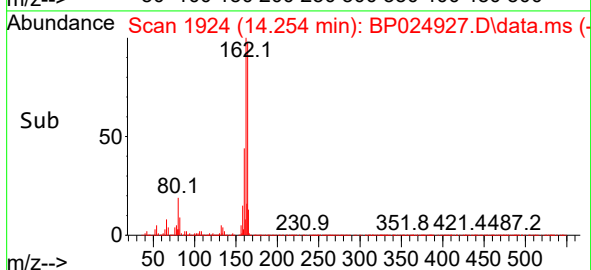
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.254 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08



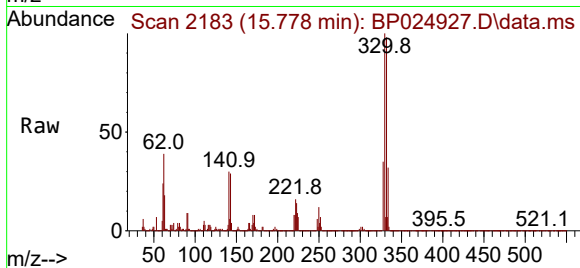
Tgt Ion:164 Resp: 656184
Ion Ratio Lower Upper
164 100
162 102.4 81.6 122.4
160 44.9 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 156.508 ng
RT: 15.778 min Scan# 2184
Delta R.T. -0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

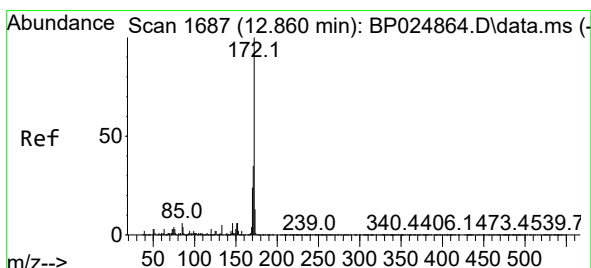
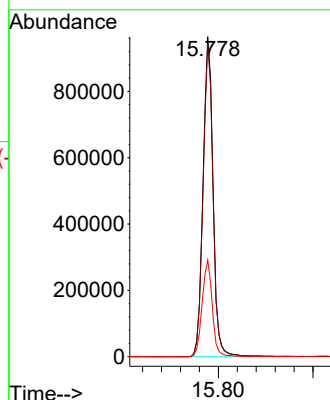
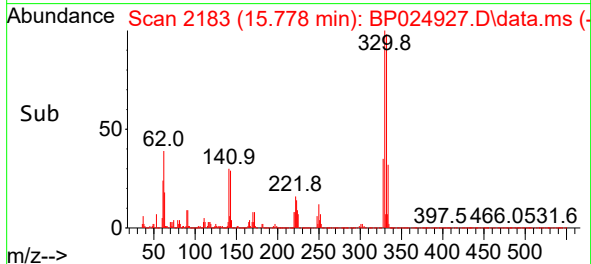
Instrument :
BNA_P
ClientSampleId :
RT-4643



Tgt Ion:330 Resp: 141985
Ion Ratio Lower Upper
330 100
332 96.9 77.7 116.5
141 30.4 26.4 39.6

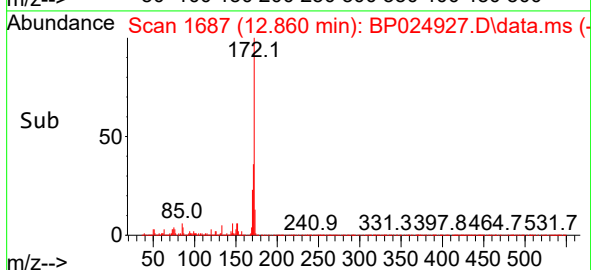
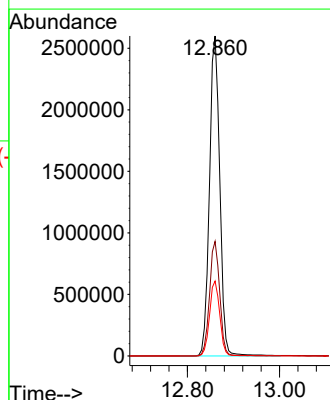
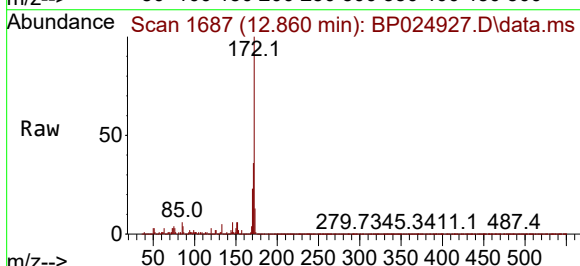
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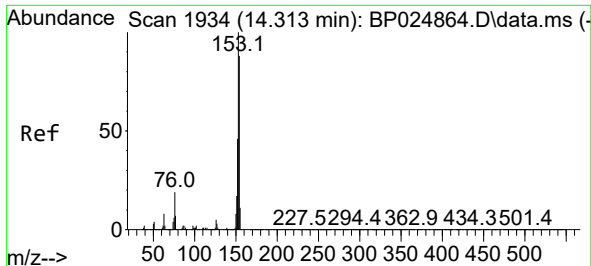
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#45
2-Fluorobiphenyl
Concen: 83.401 ng
RT: 12.860 min Scan# 1687
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:172 Resp: 4062495
Ion Ratio Lower Upper
172 100
171 35.8 28.3 42.5
170 23.4 19.0 28.4





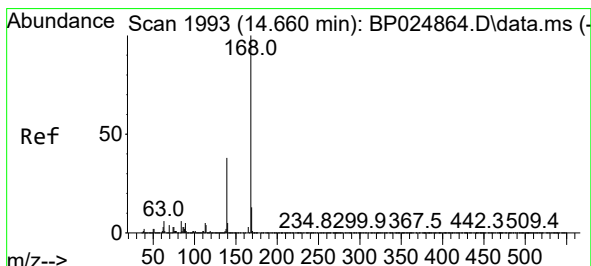
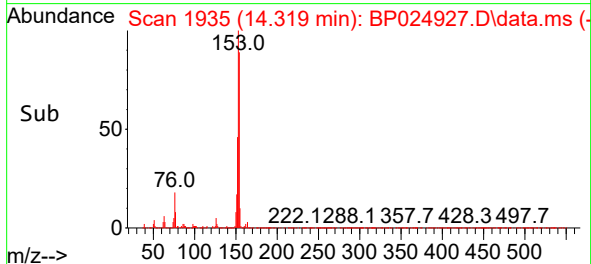
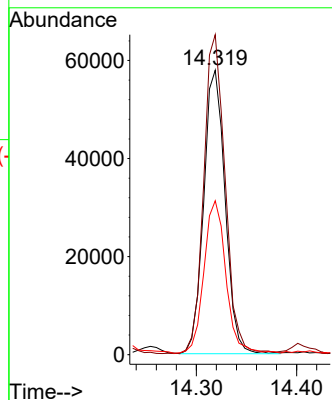
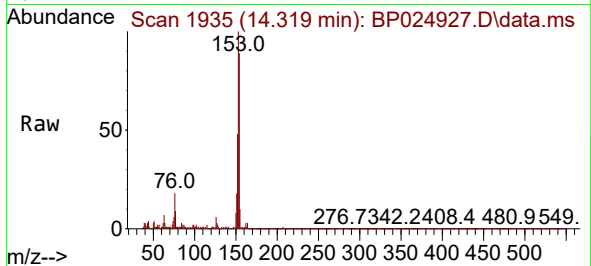
#52
Acenaphthene
Concen: 2.461 ng
RT: 14.319 min Scan# 1934
Delta R.T. 0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Instrument :
BNA_P
ClientSampleId :
RT-4643

Tgt Ion:154 Resp: 8618
Ion Ratio Lower Upper
154 100
153 112.5 90.5 135.7
152 54.1 42.1 63.1

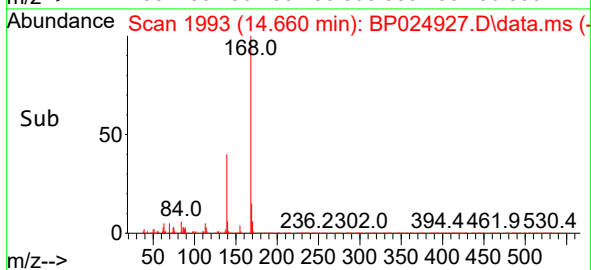
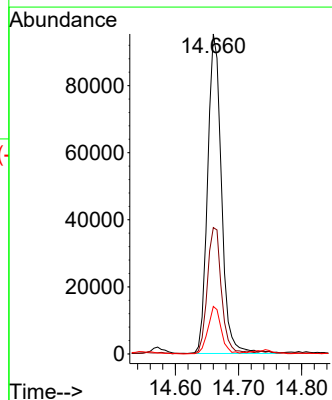
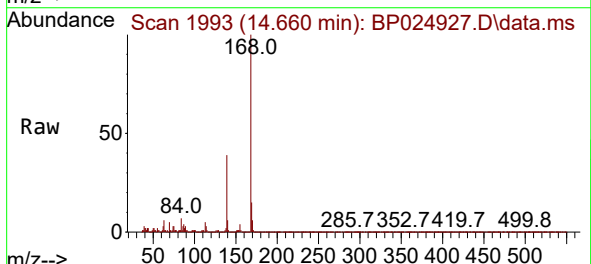
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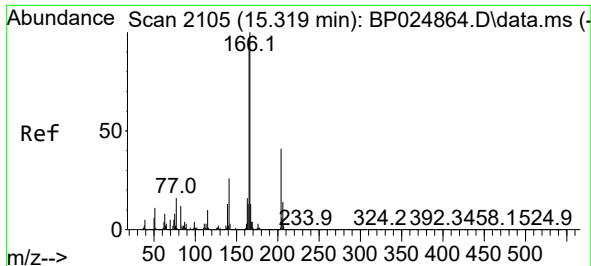
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#55
Dibenzofuran
Concen: 2.585 ng
RT: 14.660 min Scan# 1993
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

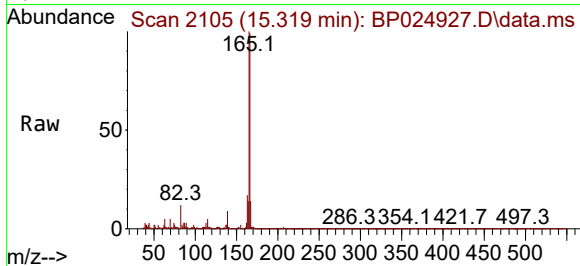
Tgt Ion:168 Resp: 145289
Ion Ratio Lower Upper
168 100
139 39.5 31.6 47.4
169 14.9 10.6 15.8





#58
Fluorene
Concen: 2.632 ng
RT: 15.319 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

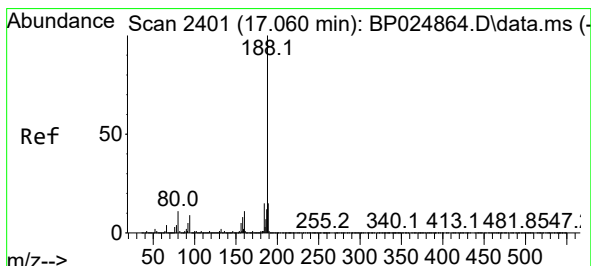
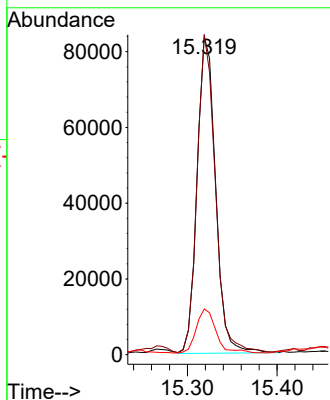
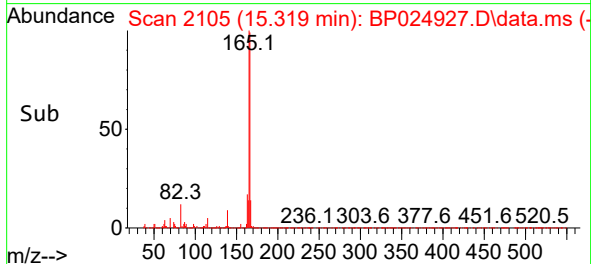
Instrument :
BNA_P
ClientSampleId :
RT-4643



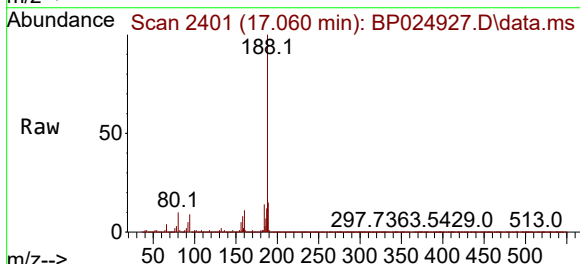
Tgt Ion:166 Resp: 119500
Ion Ratio Lower Upper
166 100
165 100.6 77.7 116.5
167 14.4 10.6 16.0

Manual Integrations
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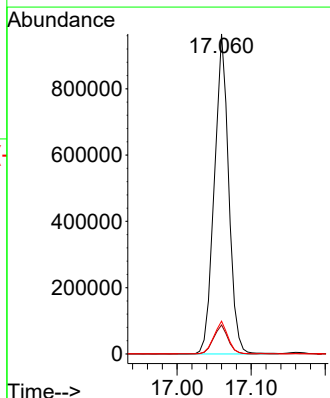
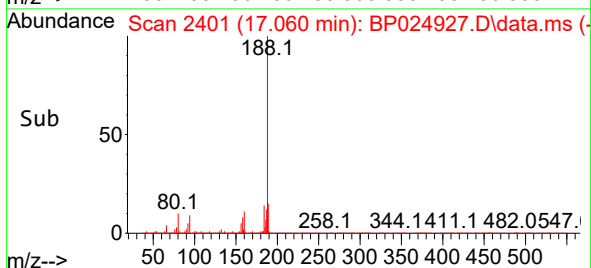
Reviewed By :Anahy Claudio 06/13/2025
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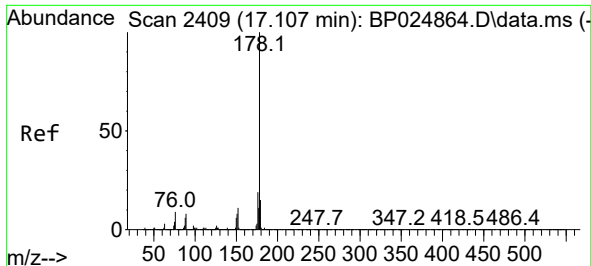


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.060 min Scan# 2401
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08



Tgt Ion:188 Resp: 1295931
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 10.3 8.5 12.7





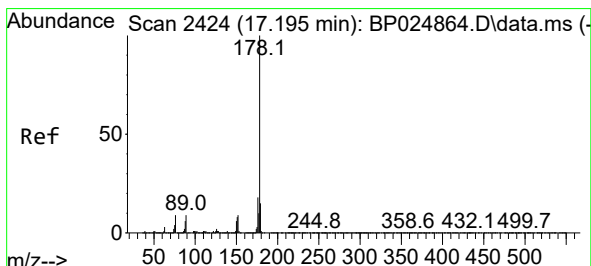
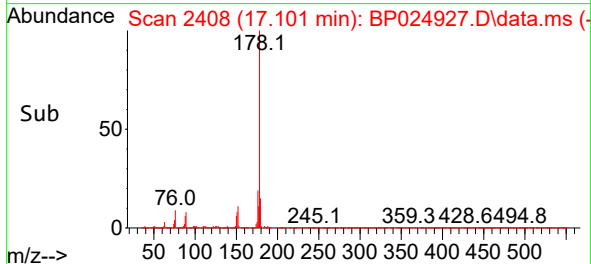
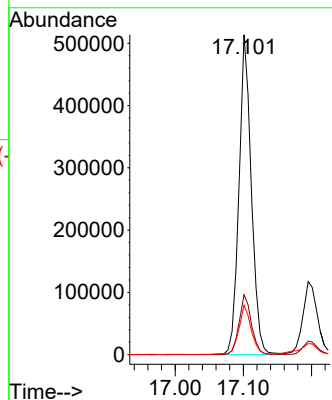
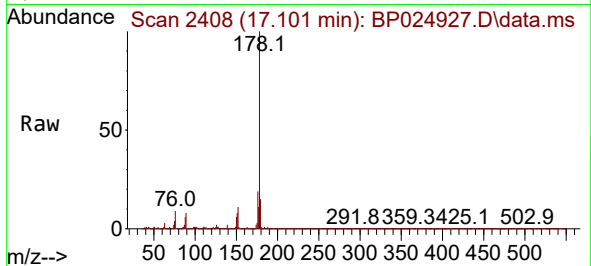
#71
Phenanthrene
Concen: 9.035 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Instrument :
BNA_P
ClientSampleId :
RT-4643

Tgt Ion:178 Resp: 64705
Ion Ratio Lower Upper
178 100
176 18.8 15.3 22.9
179 15.5 12.1 18.1

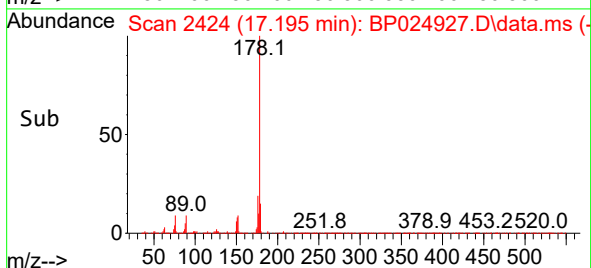
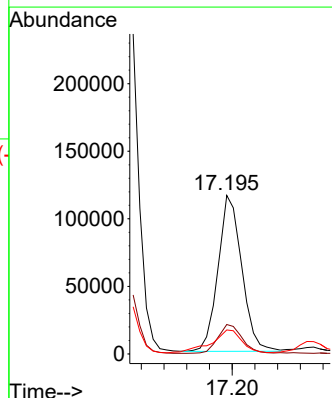
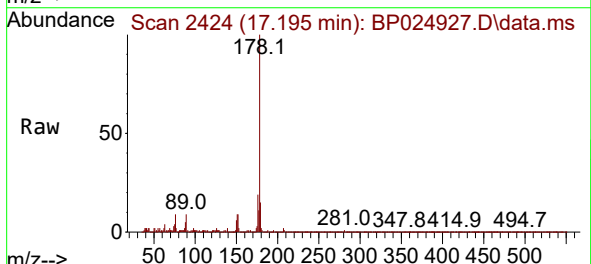
Manual Integrations
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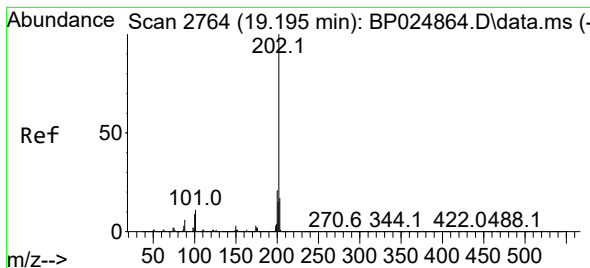
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025



#72
Anthracene
Concen: 2.319 ng
RT: 17.195 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

Tgt Ion:178 Resp: 168164
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 15.1 12.3 18.5





#75

Fluoranthene

Concen: 16.872 ng

RT: 19.189 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

Tgt Ion:202 Resp: 1400420

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.4

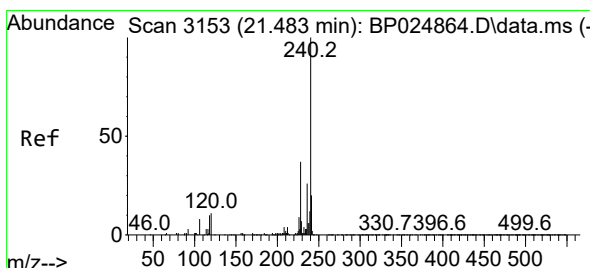
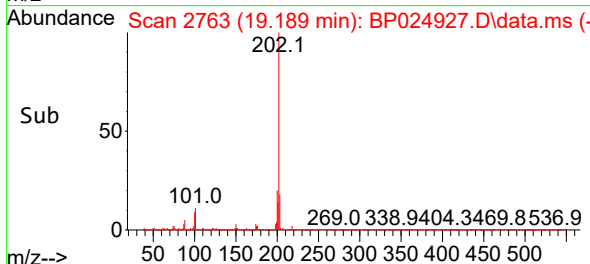
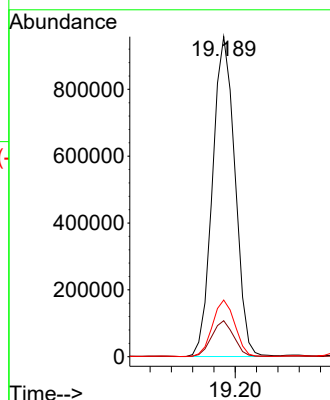
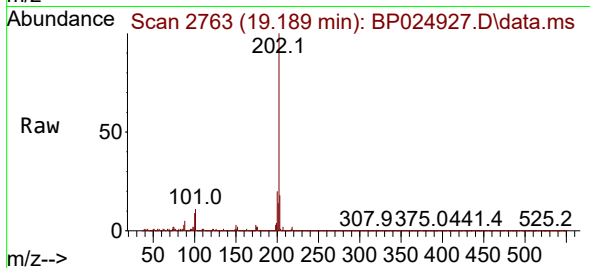
203 17.7 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.489 min Scan# 3154

Delta R.T. 0.006 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

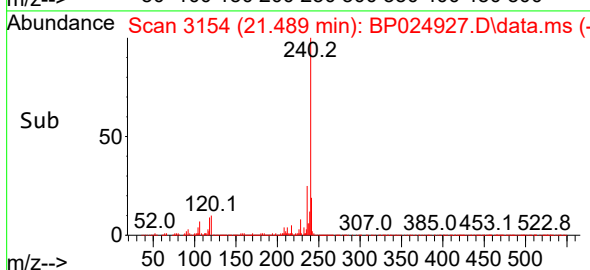
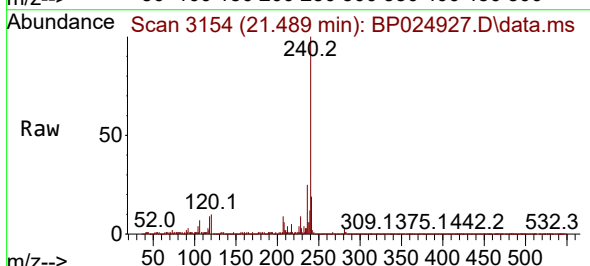
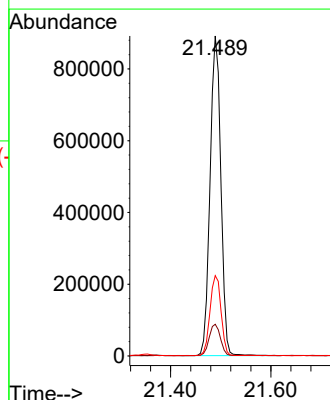
Tgt Ion:240 Resp: 1330982

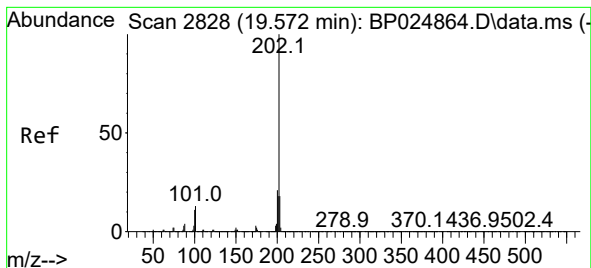
Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

236 25.1 20.9 31.3





#78

Pyrene

Concen: 15.413 ng

RT: 19.566 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

Tgt Ion:202 Resp: 128161

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

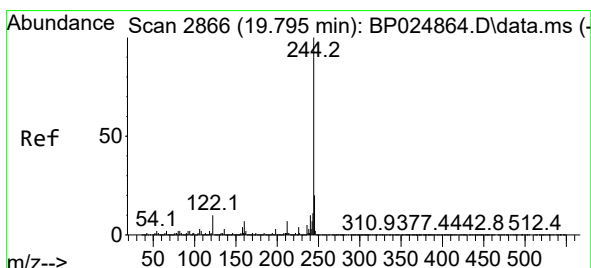
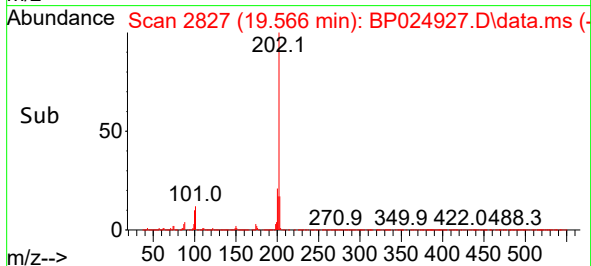
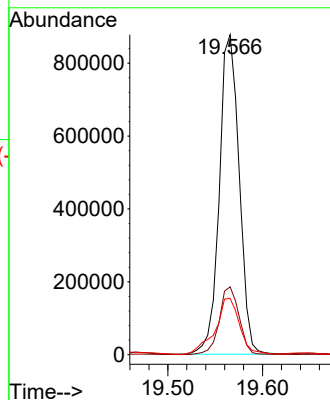
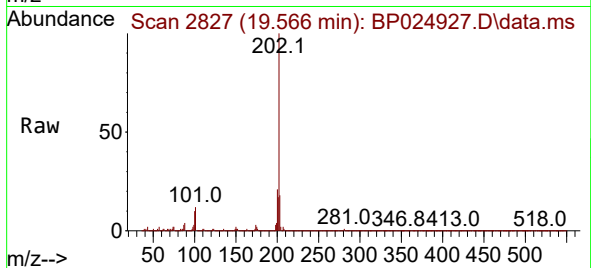
203 17.6 14.0 21.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#79

Terphenyl-d14

Concen: 86.159 ng

RT: 19.783 min Scan# 2864

Delta R.T. -0.012 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

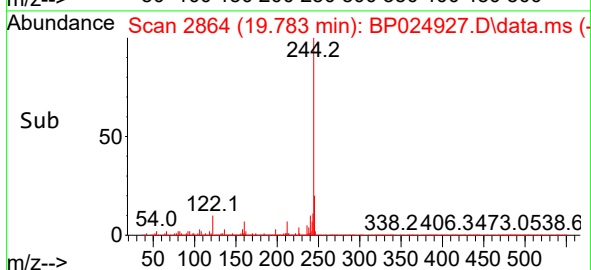
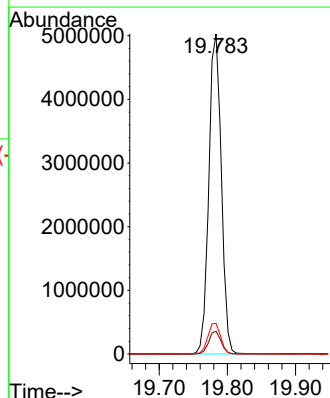
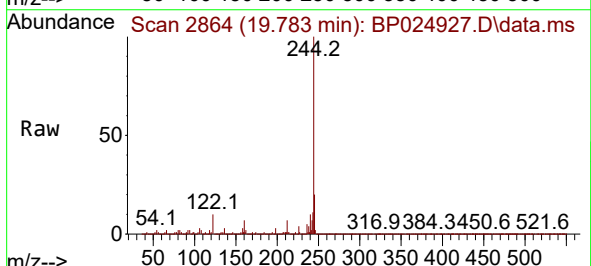
Tgt Ion:244 Resp: 6398454

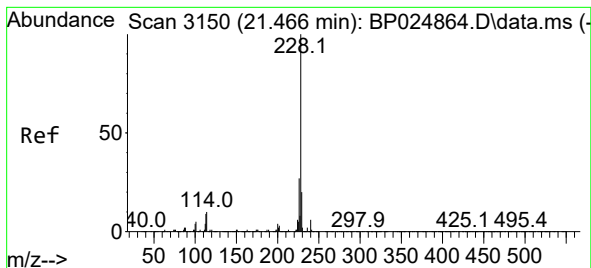
Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

122 9.5 7.7 11.5





#81

Benzo(a)anthracene

Concen: 6.593 ng

RT: 21.471 min Scan# 3150

Delta R.T. 0.006 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

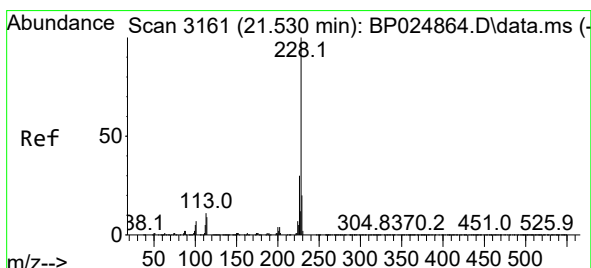
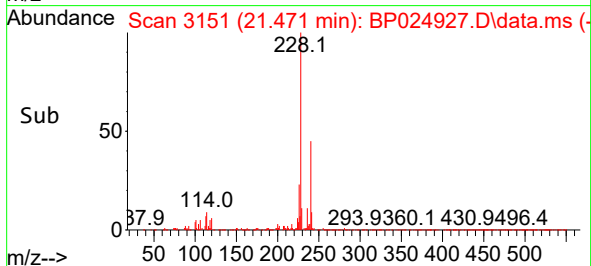
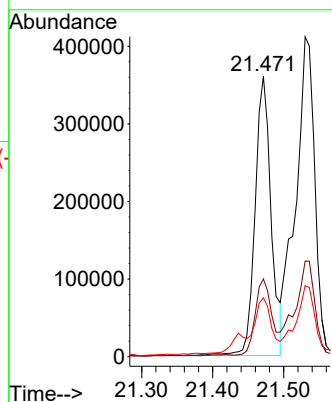
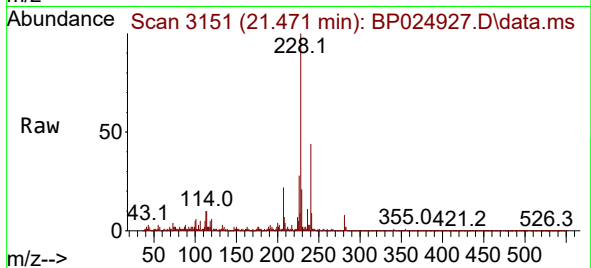
RT-4643

Tgt Ion:228 Resp: 56125
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.1 33.1
 229 21.0 15.9 23.9

Manual Integrations

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



#83

Chrysene

Concen: 9.570 ng

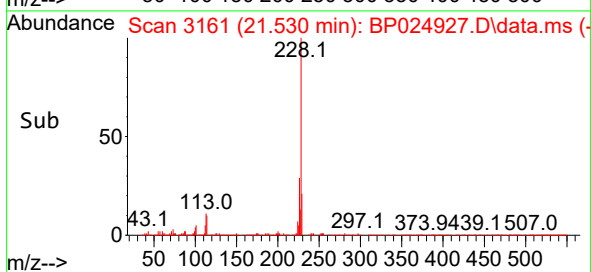
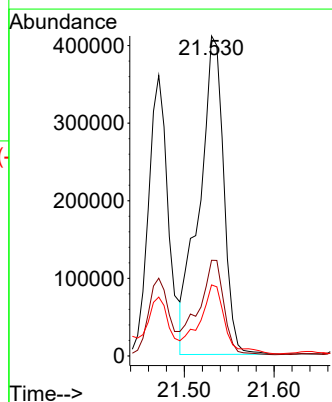
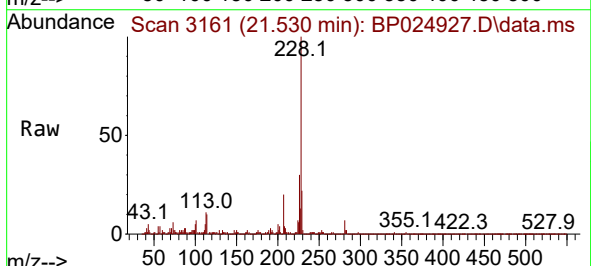
RT: 21.530 min Scan# 3161

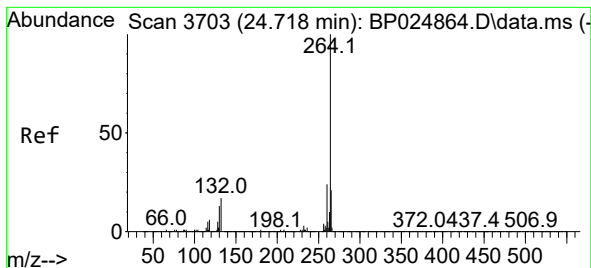
Delta R.T. -0.000 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Tgt Ion:228 Resp: 771953
 Ion Ratio Lower Upper
 228 100
 226 29.9 23.8 35.6
 229 22.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.748 min Scan# 31

Delta R.T. 0.029 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

RT-4643

Tgt Ion:264 Resp: 156480

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

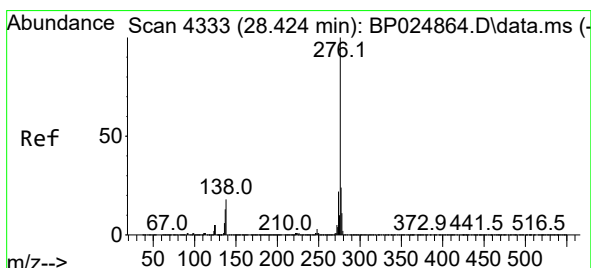
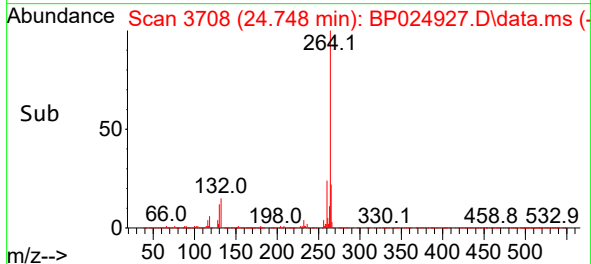
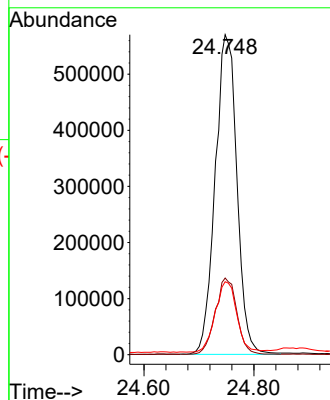
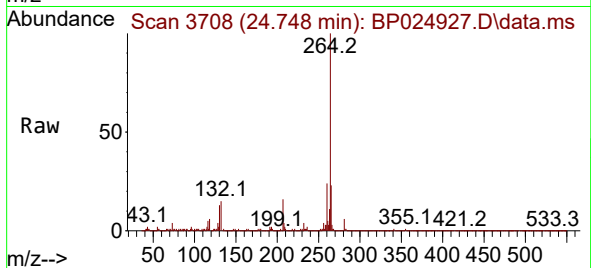
265 22.8 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 06/13/2025

Supervised By :Jagrut Upadhyay 06/13/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.019 ng

RT: 28.448 min Scan# 4337

Delta R.T. 0.023 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

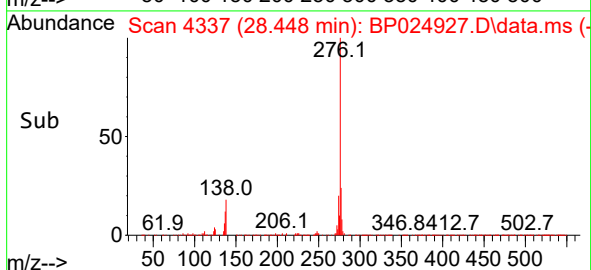
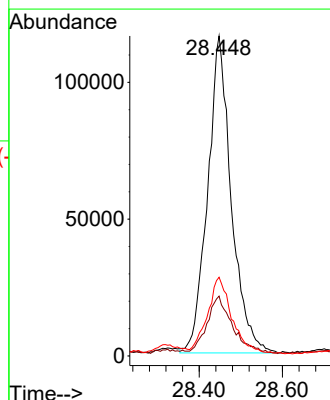
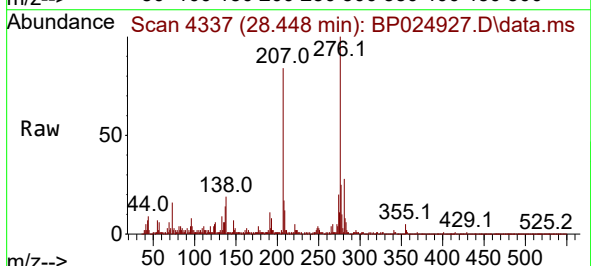
Tgt Ion:276 Resp: 458899

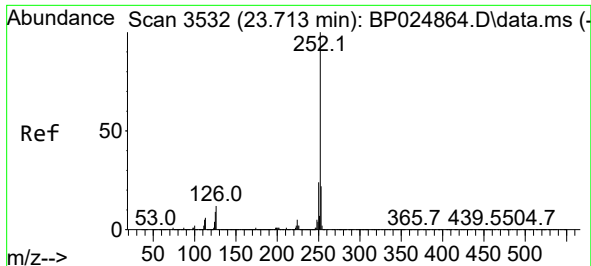
Ion Ratio Lower Upper

276 100

138 19.5 18.6 27.8

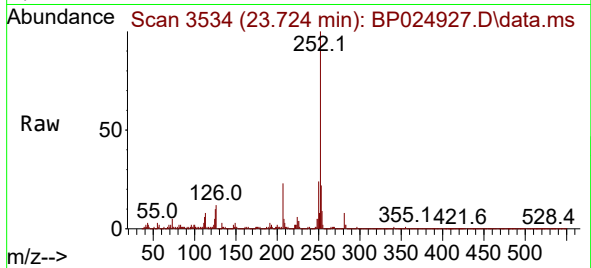
277 23.6 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 12.442 ng
RT: 23.724 min Scan# 3534
Delta R.T. 0.012 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08

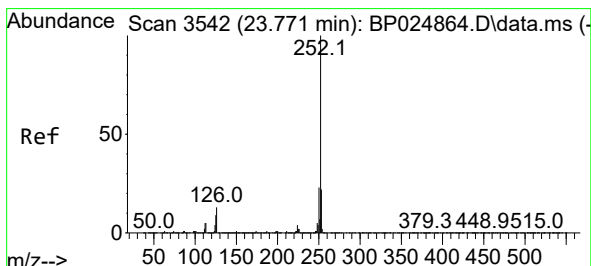
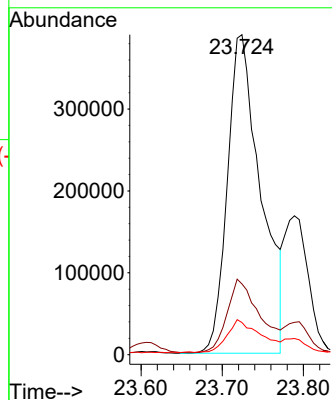
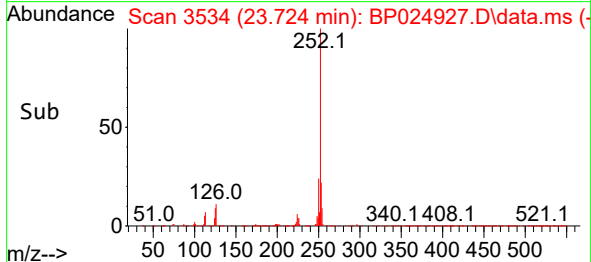
Instrument :
BNA_P
ClientSampleId :
RT-4643



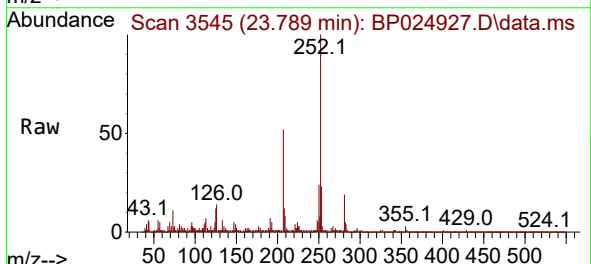
Tgt Ion:252 Resp: 111420
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 10.1 7.1 10.7

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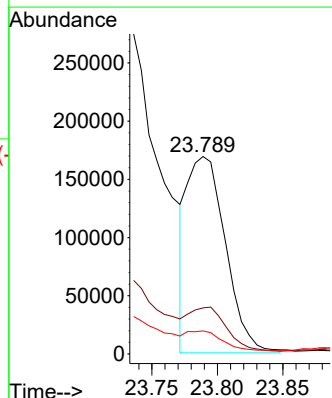
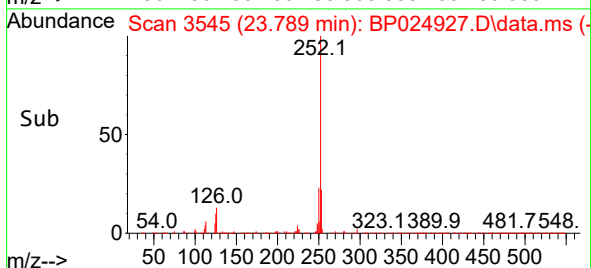
Reviewed By :Anahy Claudio 06/13/2025
Supervised By :Jagrut Upadhyay 06/13/2025

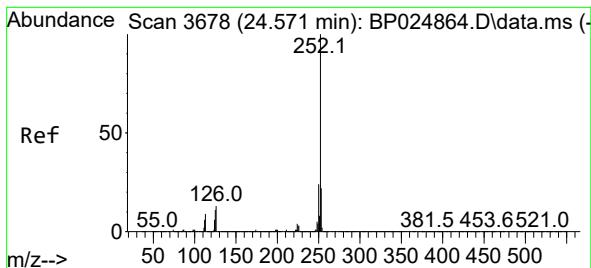


#89
Benzo(k)fluoranthene
Concen: 3.770 ng m
RT: 23.789 min Scan# 3545
Delta R.T. 0.018 min
Lab File: BP024927.D
Acq: 12 Jun 2025 13:08



Tgt Ion:252 Resp: 343622
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 11.7 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 5.929 ng

RT: 24.601 min Scan# 3

Delta R.T. 0.029 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Instrument :

BNA_P

ClientSampleId :

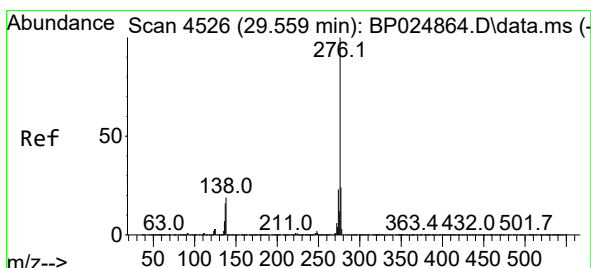
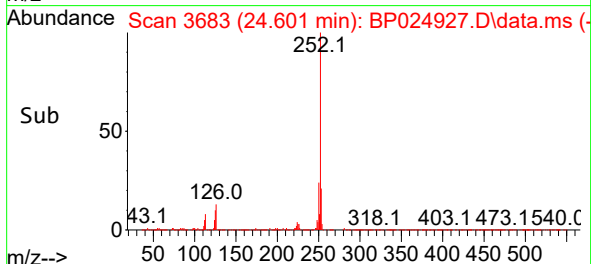
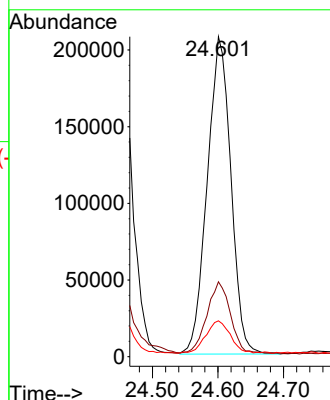
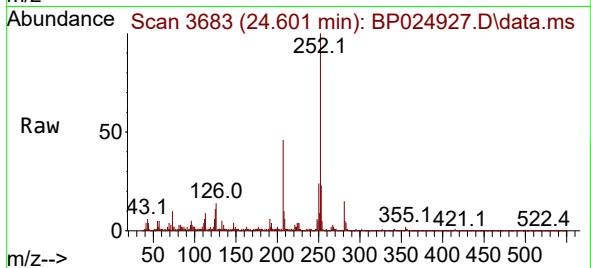
RT-4643

Tgt Ion:252 Resp: 518569
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.5 26.3
 125 11.2 8.8 13.2

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 4.850 ng

RT: 29.606 min Scan# 4534

Delta R.T. 0.047 min

Lab File: BP024927.D

Acq: 12 Jun 2025 13:08

Tgt Ion:276 Resp: 447200
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.1 28.7
 138 20.1 15.4 23.2

