

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP103025\
 Data File : BP026050.D
 Acq On : 30 Oct 2025 20:30
 Operator : RC/JU
 Sample : Q3466-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B9-0.0-1.0-20251023

Quant Time: Oct 31 02:16:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 30 11:51:34 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/31/2025
 Supervised By :Jagrut Upadhyay 10/31/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	355876	20.000	ng	0.00
21) Naphthalene-d8	10.449	136	1331389	20.000	ng	0.00
39) Acenaphthene-d10	14.325	164	731584	20.000	ng	0.00
64) Phenanthrene-d10	17.137	188	1409768	20.000	ng	0.01
76) Chrysene-d12	21.589	240	1685776	20.000	ng	0.02
86) Perylene-d12	24.924	264	1916411	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	1553819	72.046	ng	0.00
7) Phenol-d6	6.855	99	1885912	68.702	ng	0.00
23) Nitrobenzene-d5	8.813	82	1053376	49.322	ng	-0.01
42) 2,4,6-Tribromophenol	15.837	330	550964	69.662	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	2387392	46.891	ng	0.00
79) Terphenyl-d14	19.878	244	3553507	42.827	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	17.178	178	968860	11.807	ng	99
72) Anthracene	17.272	178	163915	2.015	ng	99
75) Fluoranthene	19.266	202	1638903	17.122	ng	98
78) Pyrene	19.648	202	1392310	12.211	ng	100
80) Butylbenzylphthalate	20.625	149	12928	3.679	ng	# 84
81) Benzo(a)anthracene	21.566	228	842158	7.270	ng	98
83) Chrysene	21.630	228	902450	8.224	ng	98
84) Bis(2-ethylhexyl)phtha...	21.536	149	1025833	16.879	ng	99
87) Indeno(1,2,3-cd)pyrene	28.683	276	581753	4.112	ng	# 90
88) Benzo(b)fluoranthene	23.866	252	1158242m	9.736	ng	
89) Benzo(k)fluoranthene	23.930	252	481845m	3.966	ng	
90) Benzo(a)pyrene	24.760	252	756684	6.923	ng	97
92) Benzo(g,h,i)perylene	29.842	276	579339	5.229	ng	98

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

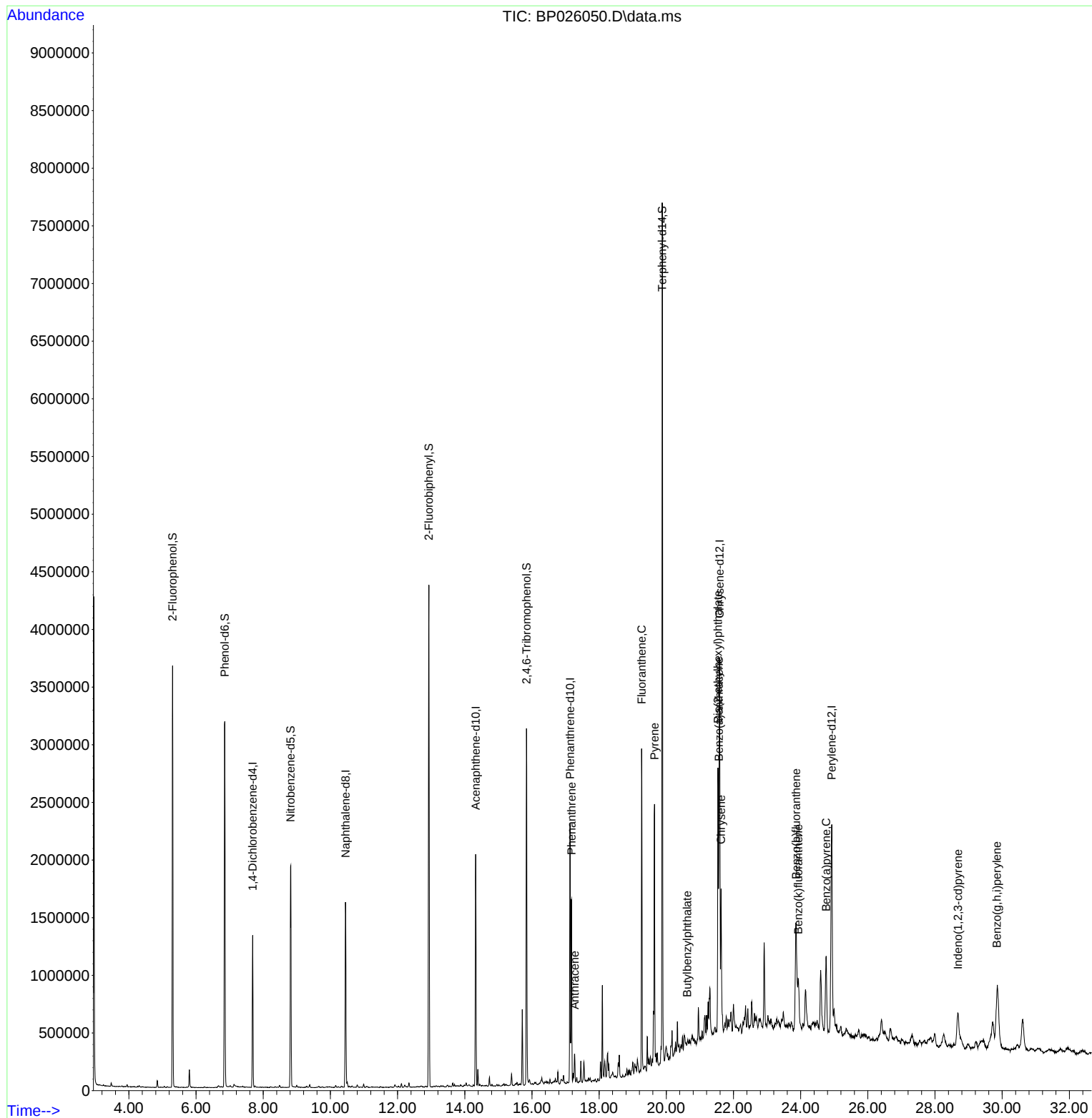
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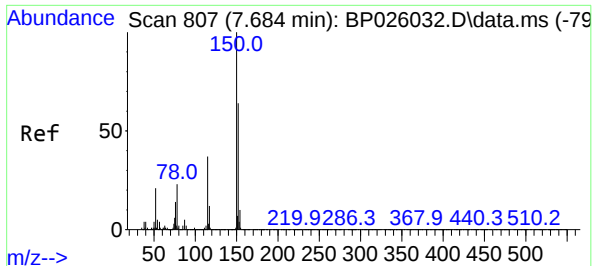
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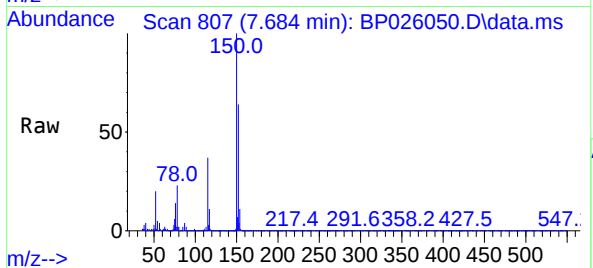
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Supervised By :Jagrut Upadhyay 10/31/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 807
Delta R.T. -0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

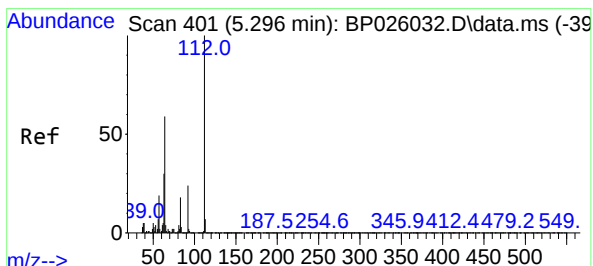
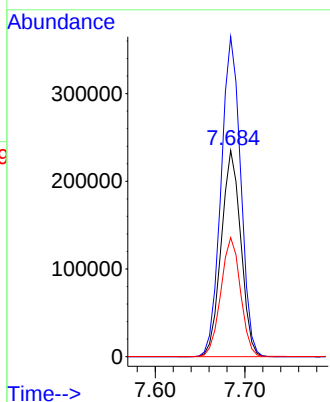
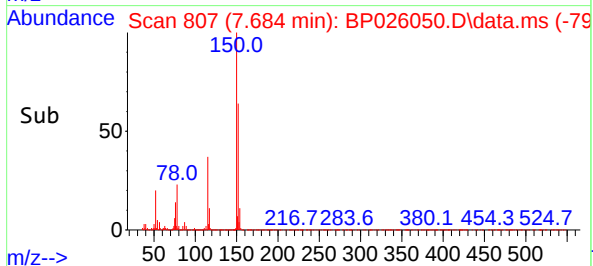
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



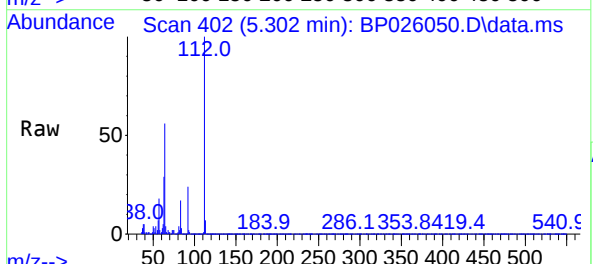
Tgt Ion:152 Resp: 355870
Ion Ratio Lower Upper
152 100
150 155.2 125.7 188.5
115 57.7 46.4 69.6

Manual Integrations
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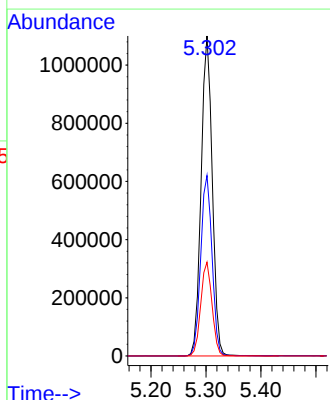
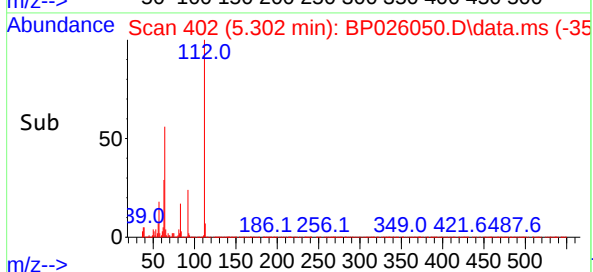
Reviewed By :Rahul Chavli 10/31/2025
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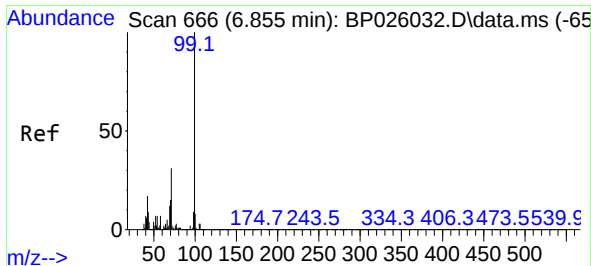


#5
2-Fluorophenol
Concen: 72.046 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30



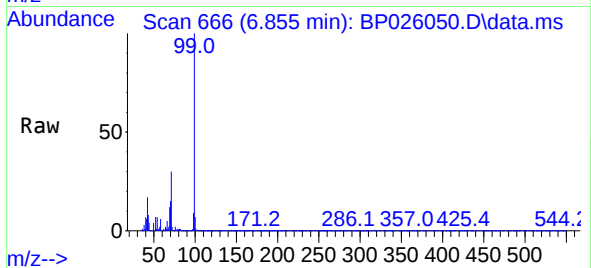
Tgt Ion:112 Resp: 1553819
Ion Ratio Lower Upper
112 100
64 56.4 47.4 71.2
63 29.3 24.2 36.4





#7
Phenol-d6
Concen: 68.702 ng
RT: 6.855 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

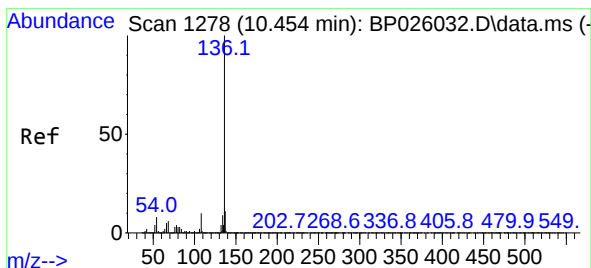
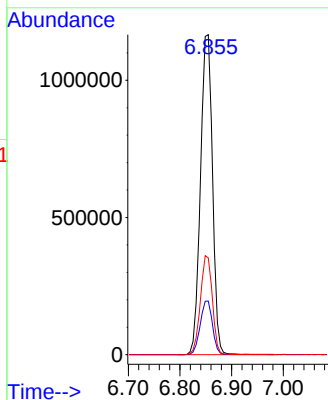
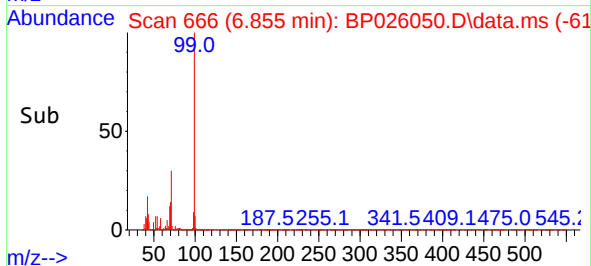
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



Tgt Ion: 99 Resp: 1885912
Ion Ratio Lower Upper
99 100
42 16.8 13.7 20.5
71 30.3 24.4 36.6

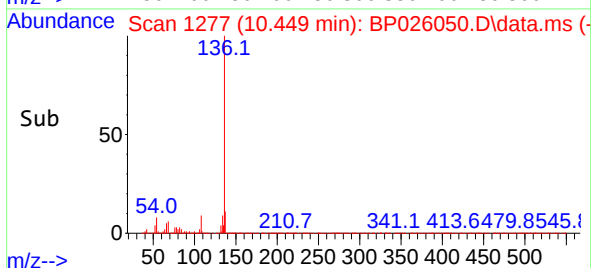
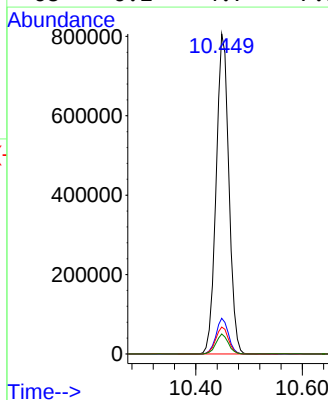
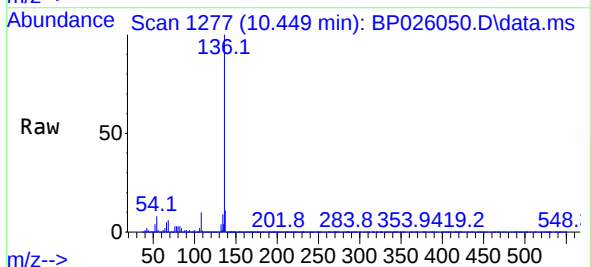
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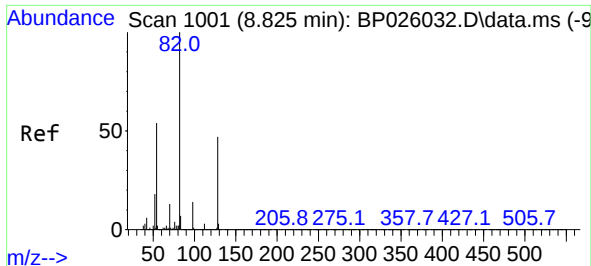
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.449 min Scan# 1277
Delta R.T. -0.005 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

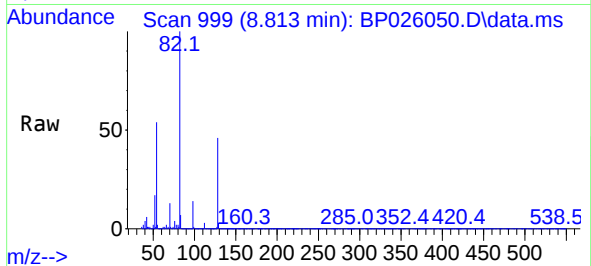
Tgt Ion:136 Resp: 1331389
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.4 6.6 10.0
68 6.2 4.7 7.1





#23
Nitrobenzene-d5
Concen: 49.322 ng
RT: 8.813 min Scan# 999
Delta R.T. -0.011 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

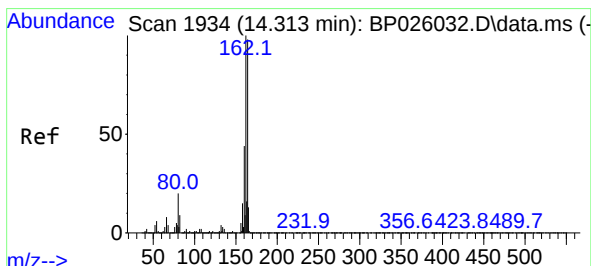
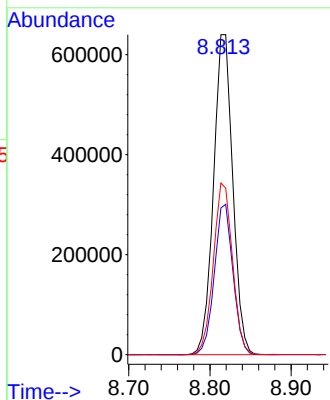
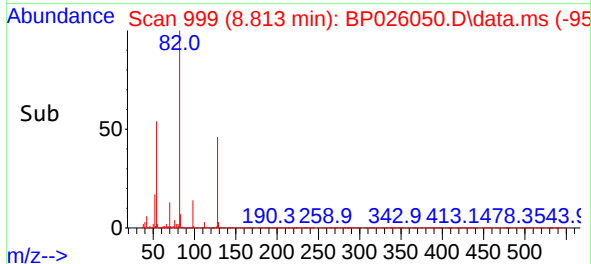
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



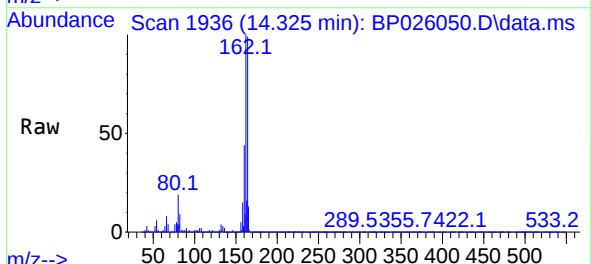
Tgt Ion: 82 Resp: 1053370
Ion Ratio Lower Upper
82 100
128 45.8 37.4 56.0
54 53.7 42.7 64.1

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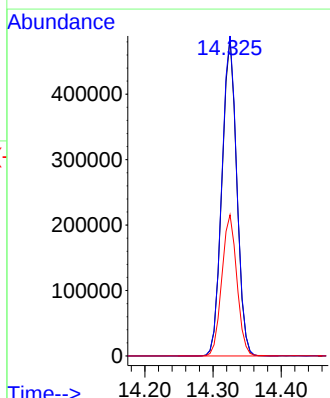
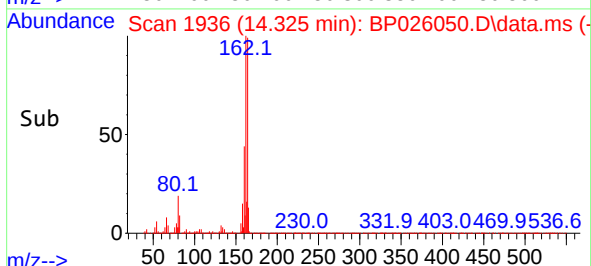
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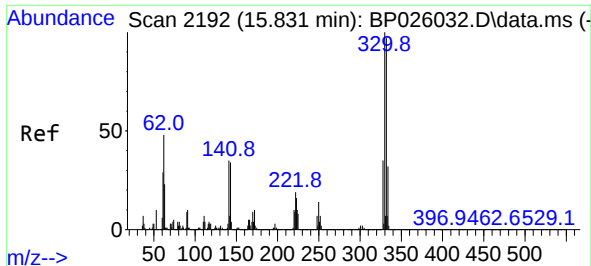


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.325 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30



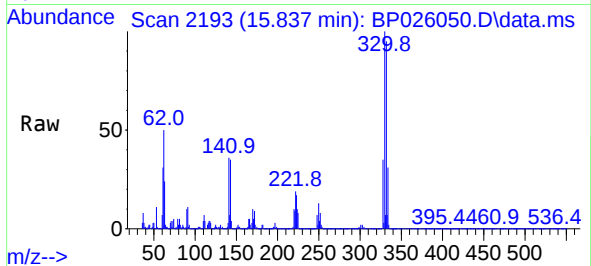
Tgt Ion:164 Resp: 731584
Ion Ratio Lower Upper
164 100
162 100.9 81.5 122.3
160 44.5 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 69.662 ng
RT: 15.837 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

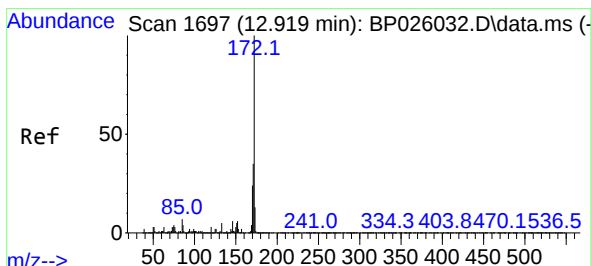
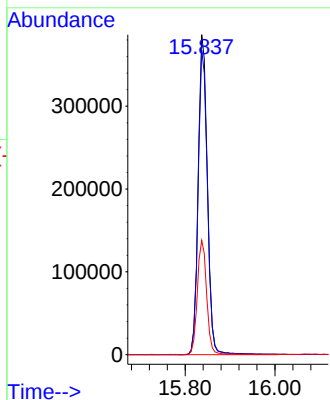
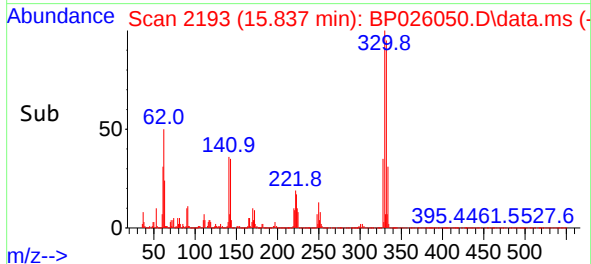
Instrument :
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ClientSampleId :
B9-0.0-1.0-20251023



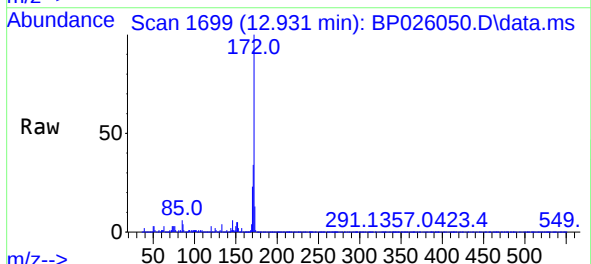
Tgt Ion:330 Resp: 550964
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 35.8 28.6 42.8

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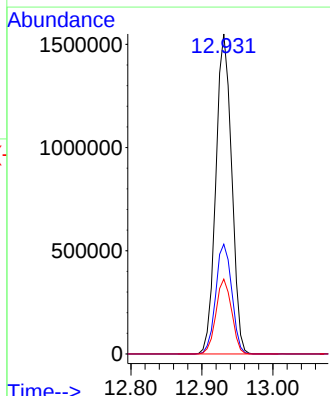
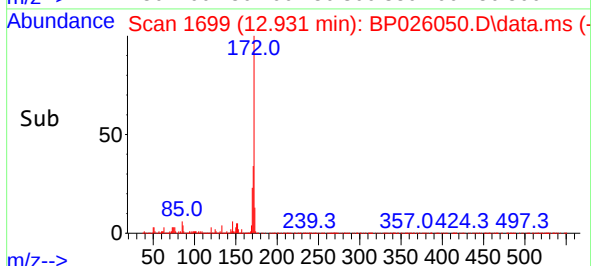
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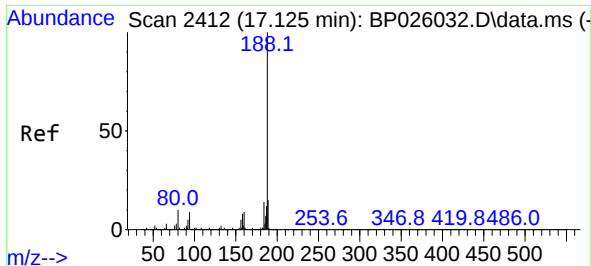


#45
2-Fluorobiphenyl
Concen: 46.891 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30



Tgt Ion:172 Resp: 2387392
Ion Ratio Lower Upper
172 100
171 34.3 27.9 41.9
170 23.4 19.0 28.4





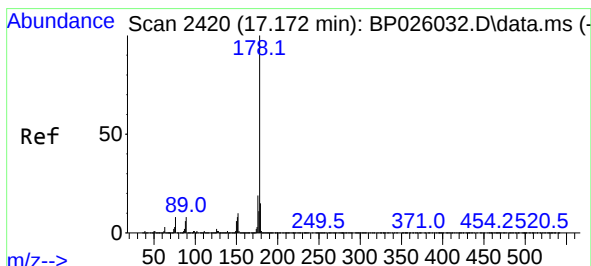
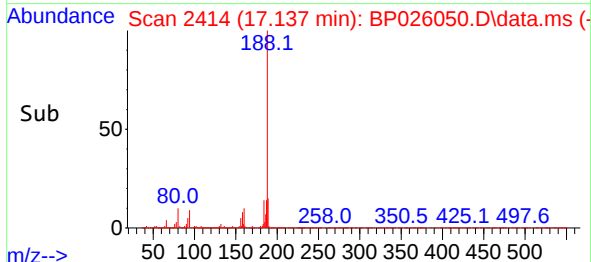
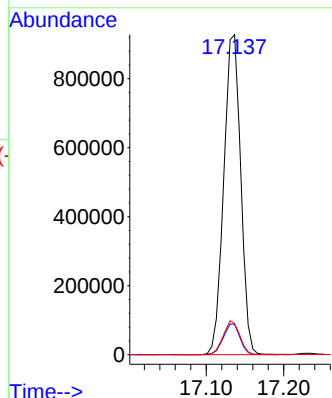
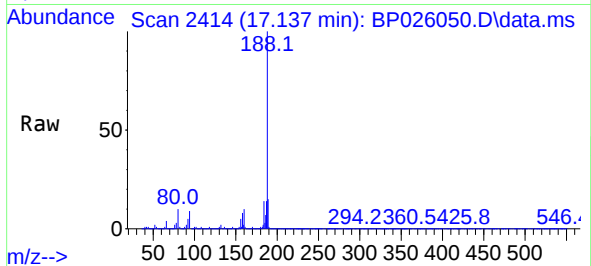
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.137 min Scan# 2412
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

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ClientSampleId :
B9-0.0-1.0-20251023

Tgt Ion:188 Resp: 1409768
Ion Ratio Lower Upper
188 100
94 9.5 7.1 10.7
80 9.7 7.9 11.9

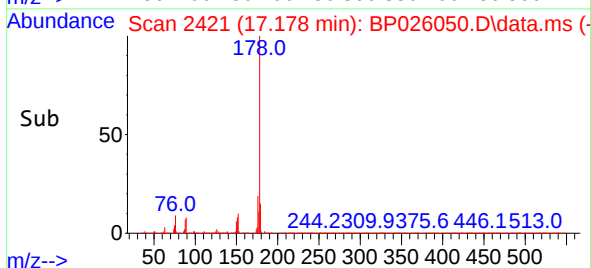
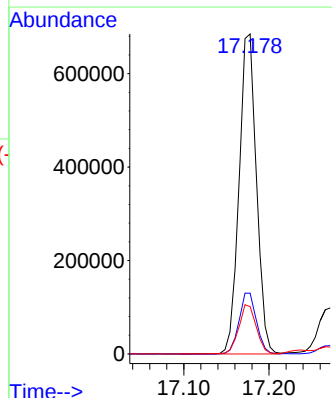
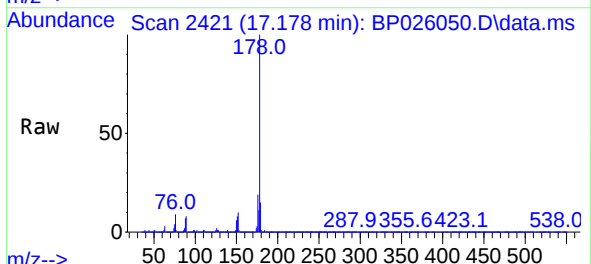
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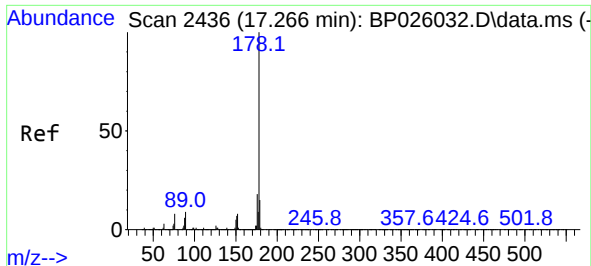
Reviewed By :Rahul Chavli 10/31/2025
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#71
Phenanthrene
Concen: 11.807 ng
RT: 17.178 min Scan# 2421
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

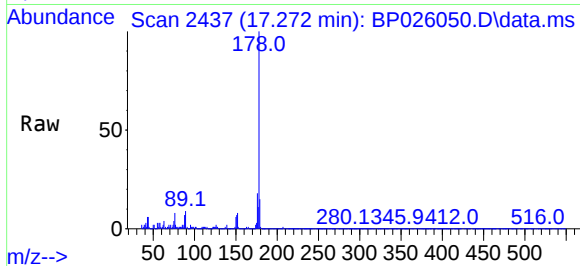
Tgt Ion:178 Resp: 968860
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 14.8 12.3 18.5





#72
 Anthracene
 Concen: 2.015 ng
 RT: 17.272 min Scan# 2436
 Delta R.T. 0.012 min
 Lab File: BP026050.D
 Acq: 30 Oct 2025 20:30

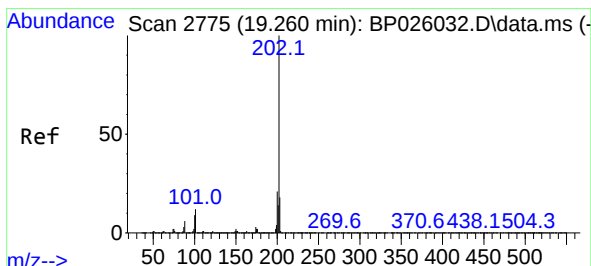
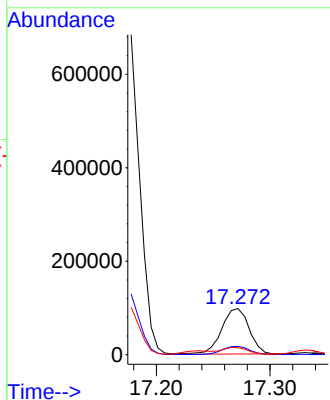
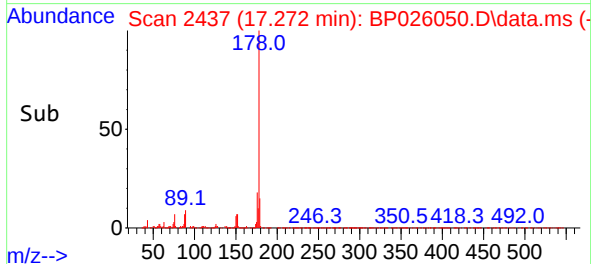
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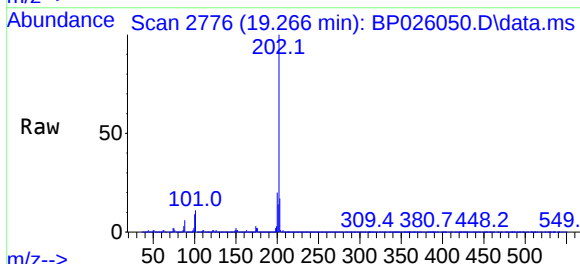
Tgt Ion:178 Resp: 163915
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 14.9 12.2 18.4

Manual Integrations
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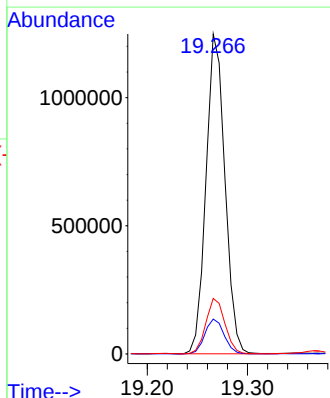
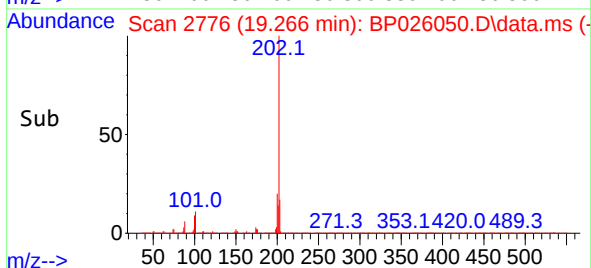
Reviewed By :Rahul Chavli 10/31/2025
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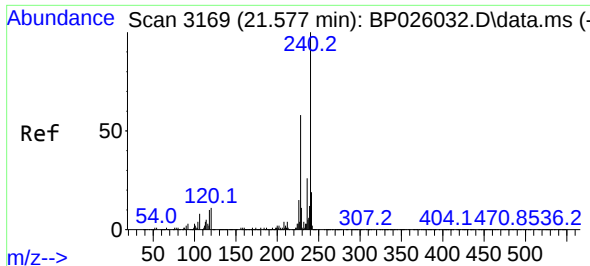


#75
 Fluoranthene
 Concen: 17.122 ng
 RT: 19.266 min Scan# 2776
 Delta R.T. 0.006 min
 Lab File: BP026050.D
 Acq: 30 Oct 2025 20:30



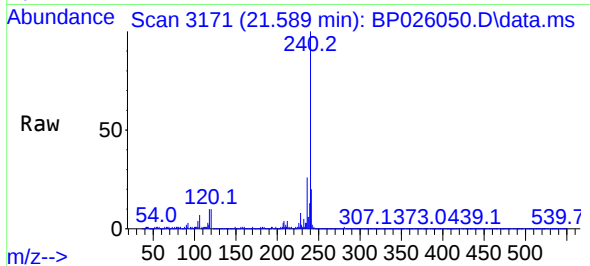
Tgt Ion:202 Resp: 1638903
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 32.1
 203 17.4 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3169
Delta R.T. 0.024 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

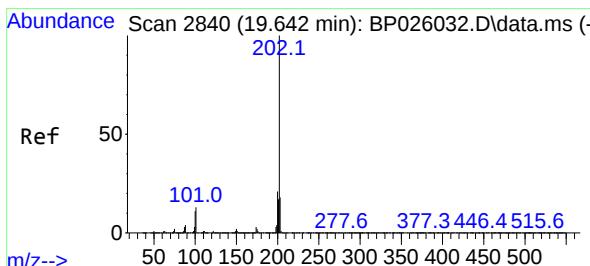
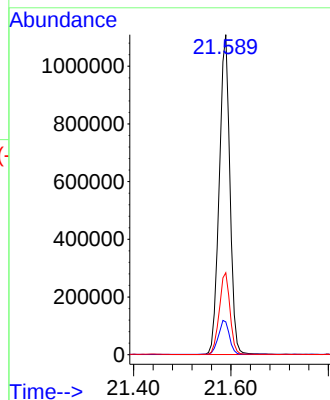
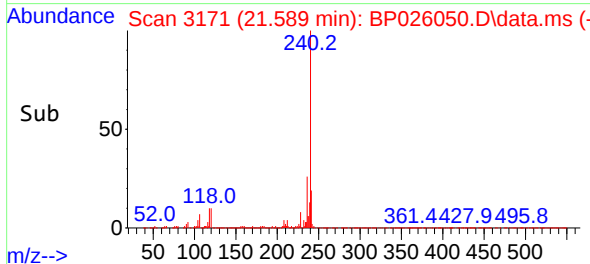
Instrument :
BNA_P
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B9-0.0-1.0-20251023



Tgt Ion:240 Resp: 1685770
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 25.6 20.6 31.0

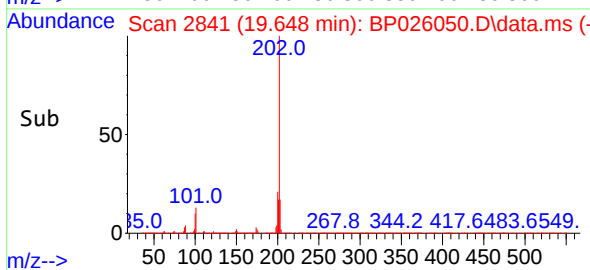
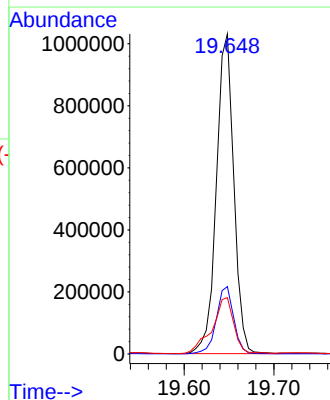
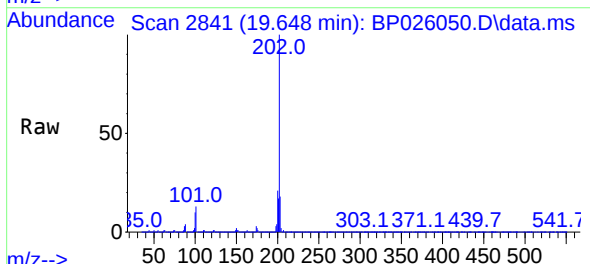
Manual Integrations
APPROVED

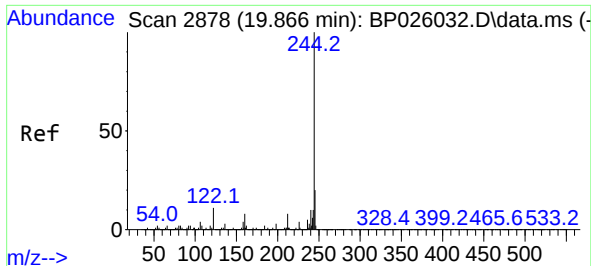
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#78
Pyrene
Concen: 12.211 ng
RT: 19.648 min Scan# 2841
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

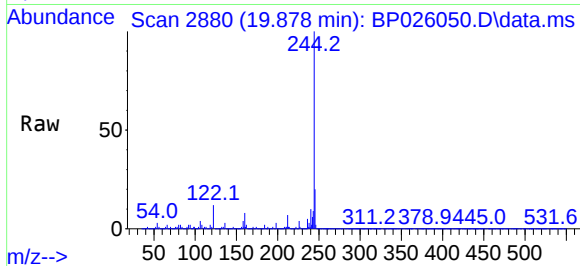
Tgt Ion:202 Resp: 1392310
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 17.6 14.0 21.0





#79
Terphenyl-d14
Concen: 42.827 ng
RT: 19.878 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

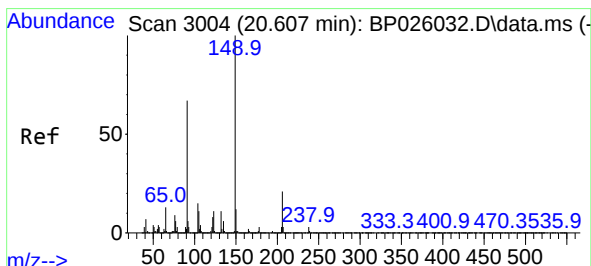
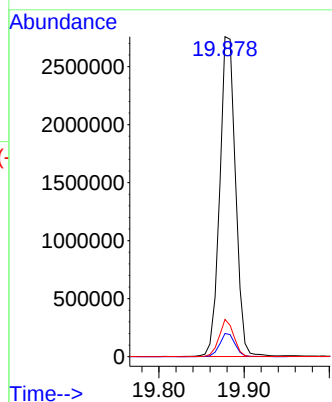
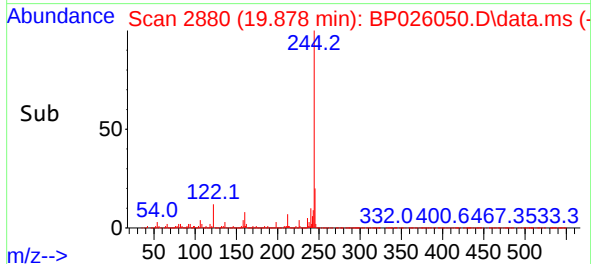
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



Tgt Ion:244 Resp: 355350
Ion Ratio Lower Upper
244 100
212 7.2 6.0 9.0
122 11.7 9.0 13.6

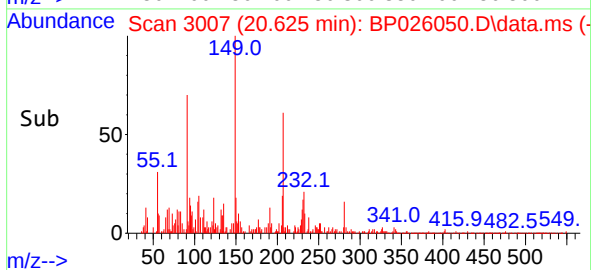
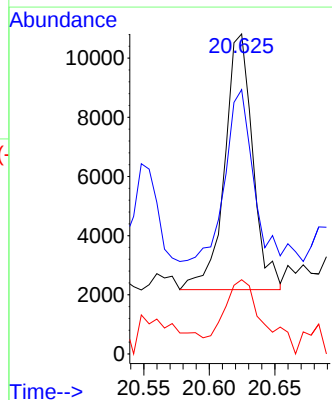
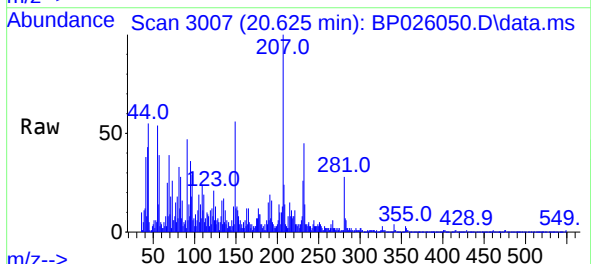
Manual Integrations
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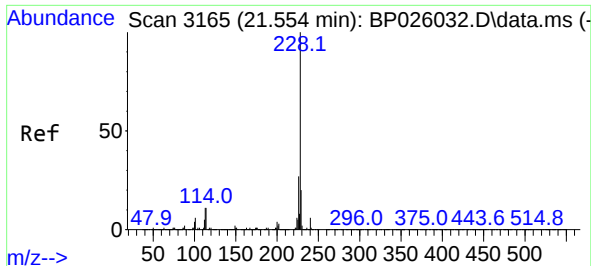
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#80
Butylbenzylphthalate
Concen: 3.679 ng
RT: 20.625 min Scan# 3007
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

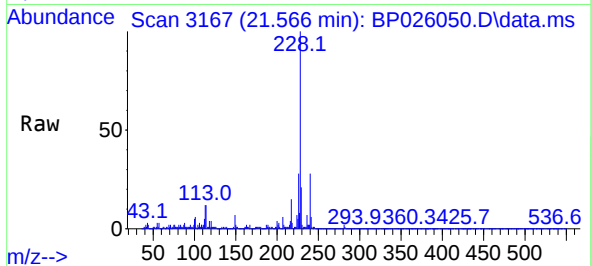
Tgt Ion:149 Resp: 12928
Ion Ratio Lower Upper
149 100
91 82.6 53.5 80.3#
206 23.2 16.6 25.0





#81
Benzo(a)anthracene
Concen: 7.270 ng
RT: 21.566 min Scan# 3165
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

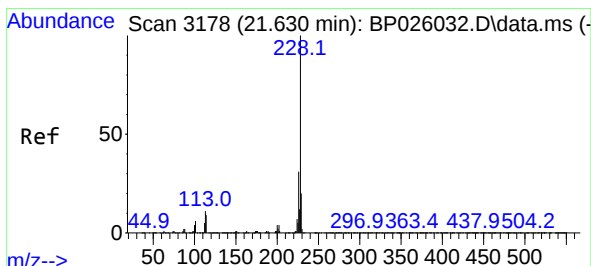
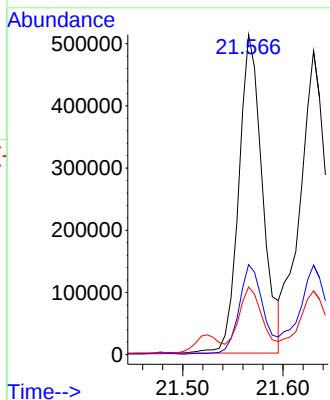
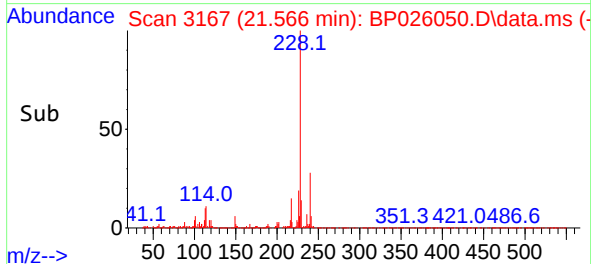
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



Tgt Ion:228 Resp: 842158
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 21.2 15.8 23.8

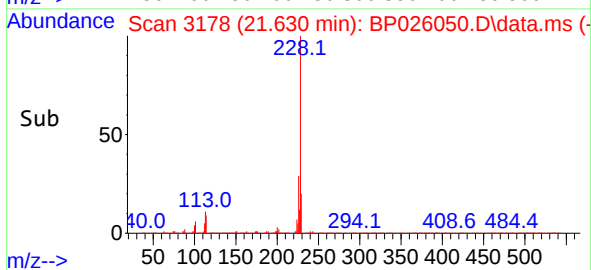
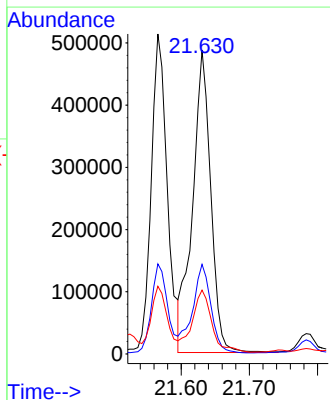
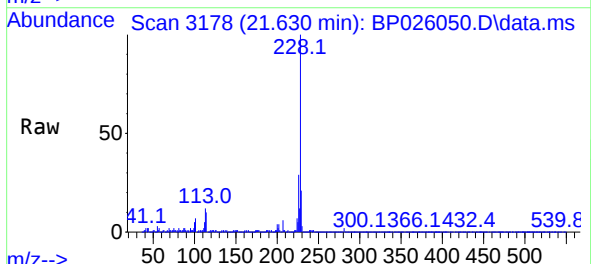
Manual Integrations
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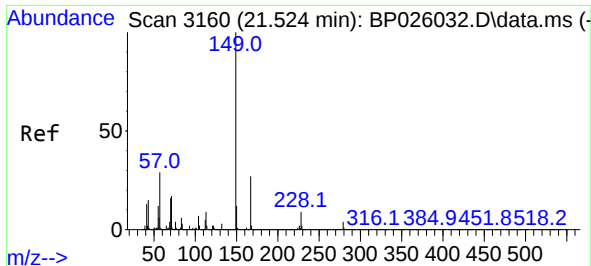
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#83
Chrysene
Concen: 8.224 ng
RT: 21.630 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

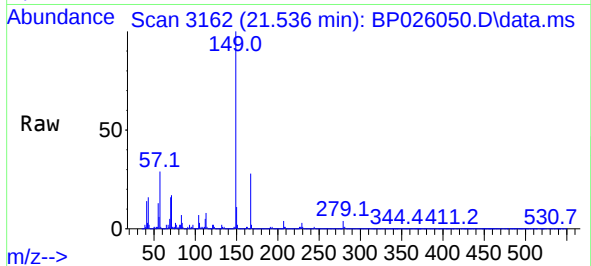
Tgt Ion:228 Resp: 902450
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 21.0 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 16.879 ng
RT: 21.536 min Scan# 3162
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

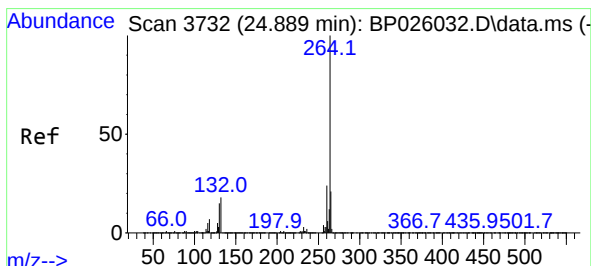
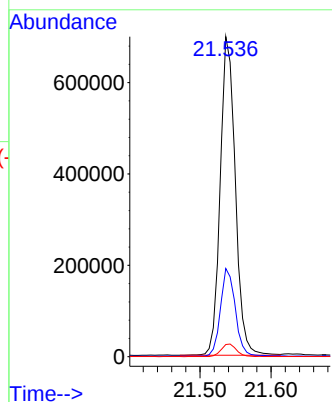
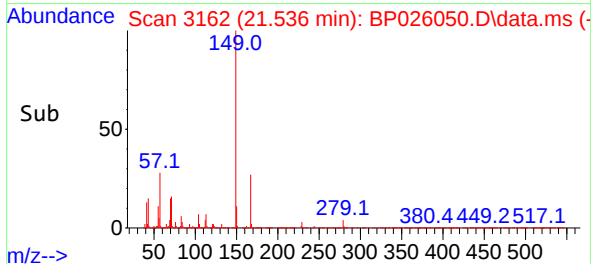
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



Tgt Ion:149 Resp: 102583
Ion Ratio Lower Upper
149 100
167 27.6 21.5 32.3
279 3.8 3.0 4.6

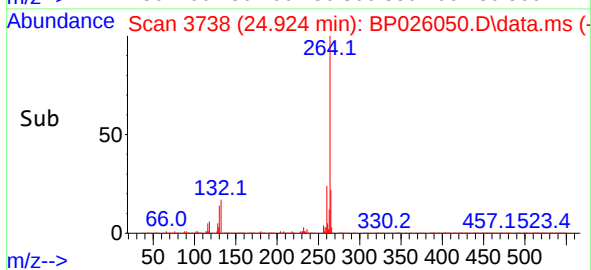
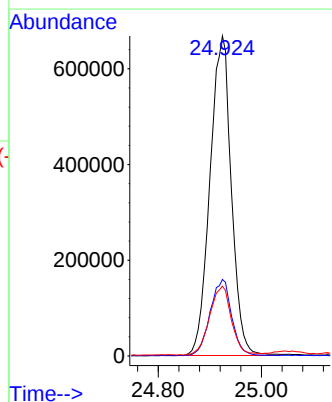
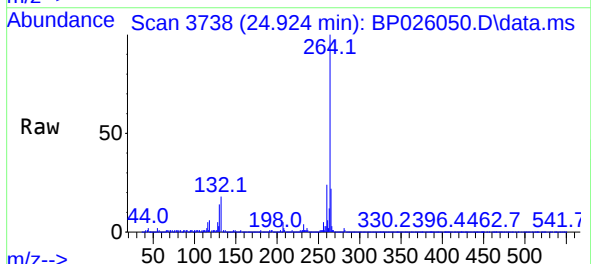
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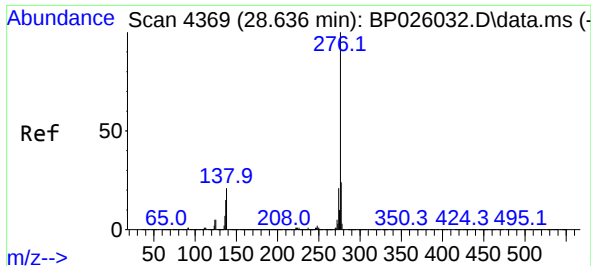
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.924 min Scan# 3738
Delta R.T. 0.042 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

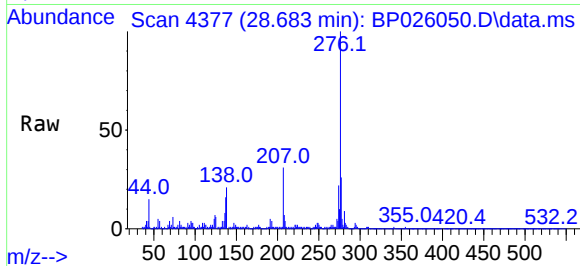
Tgt Ion:264 Resp: 1916411
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 21.8 17.2 25.8





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.112 ng
 RT: 28.683 min Scan# 4369
 Delta R.T. 0.024 min
 Lab File: BP026050.D
 Acq: 30 Oct 2025 20:30

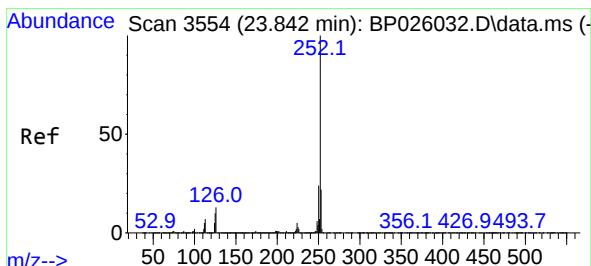
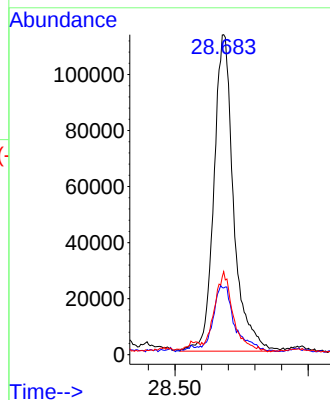
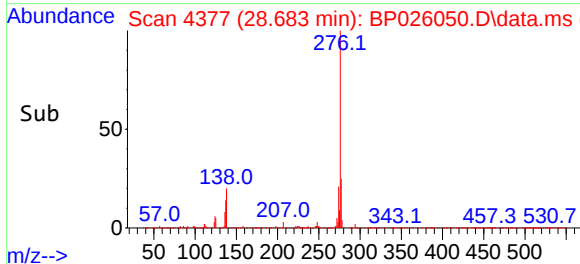
Instrument :
 BNA_P
 ClientSampleId :
 B9-0.0-1.0-20251023



Tgt Ion:276 Resp: 58175
 Ion Ratio Lower Upper
 276 100
 138 21.7 13.2 19.8
 277 23.9 16.3 24.5

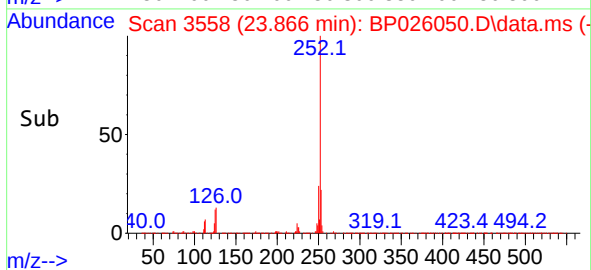
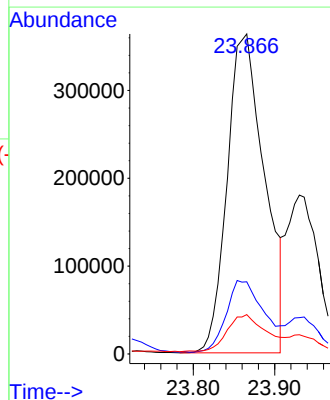
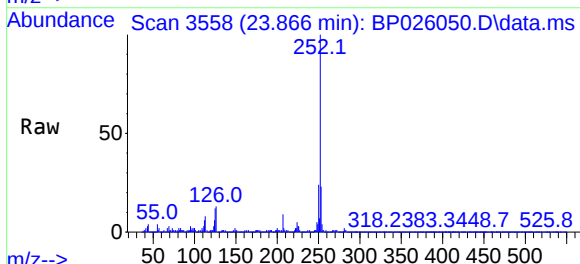
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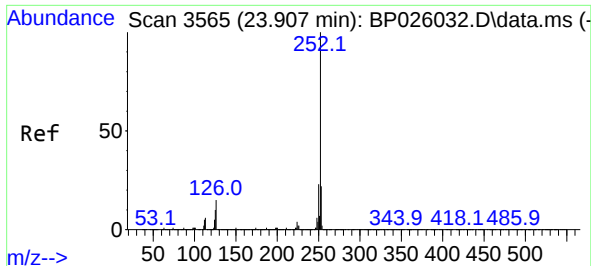
Reviewed By :Rahul Chavli 10/31/2025
 Supervised By :Jagrut Upadhyay 10/31/2025



#88
 Benzo(b)fluoranthene
 Concen: 9.736 ng m
 RT: 23.866 min Scan# 3558
 Delta R.T. 0.018 min
 Lab File: BP026050.D
 Acq: 30 Oct 2025 20:30

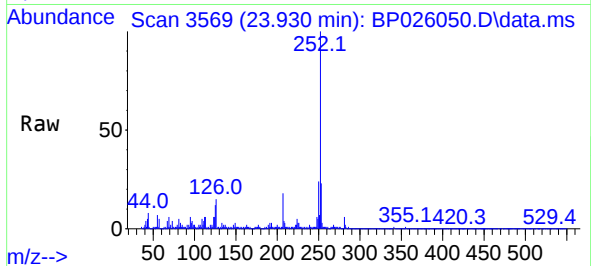
Tgt Ion:252 Resp: 1158242
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.6 26.4
 125 12.3 8.1 12.1#





#89
Benzo(k)fluoranthene
Concen: 3.966 ng m
RT: 23.930 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

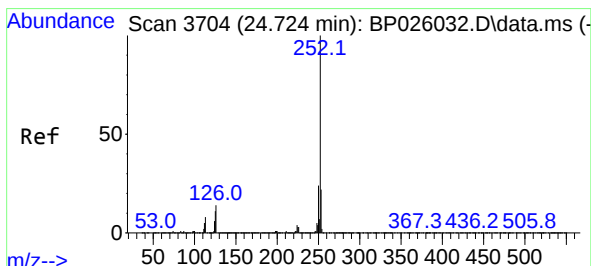
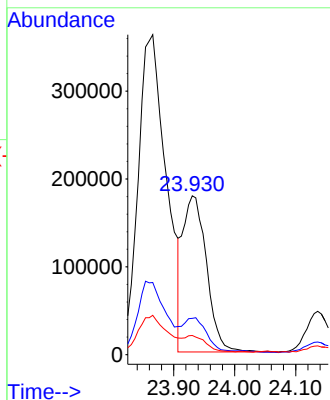
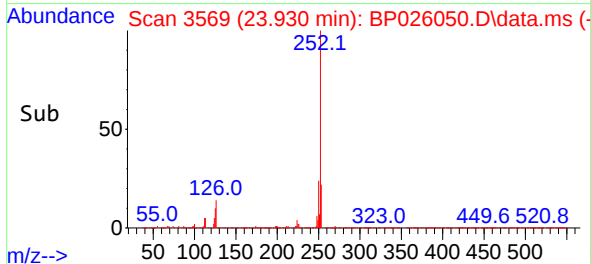
Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



Tgt Ion:252 Resp: 48184
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 12.1 8.1 12.1

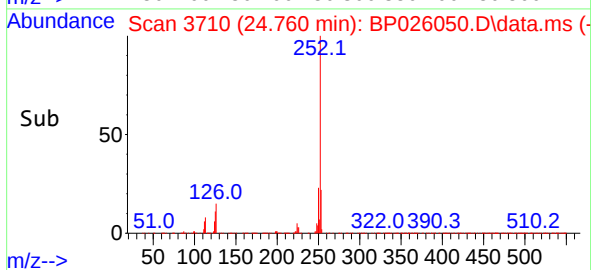
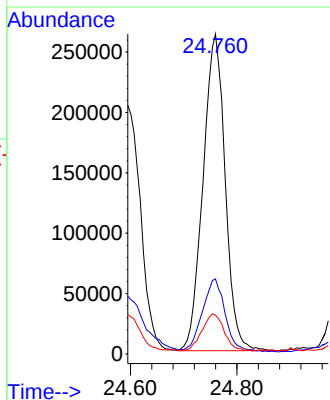
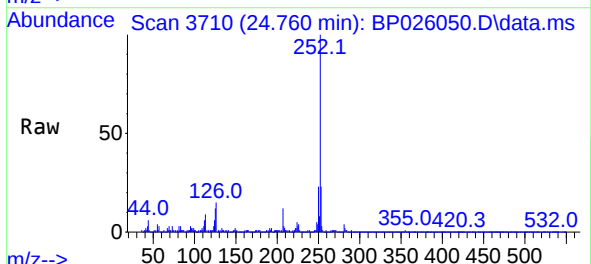
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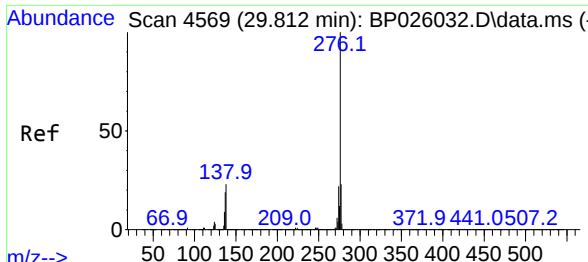
Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025



#90
Benzo(a)pyrene
Concen: 6.923 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.018 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

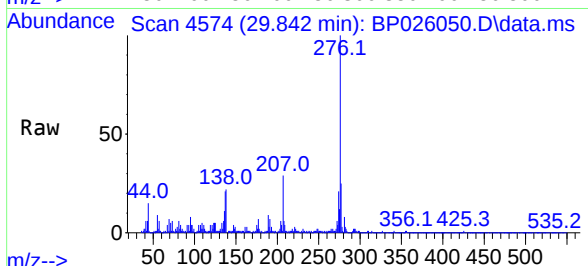
Tgt Ion:252 Resp: 756684
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 12.2 9.1 13.7





#92
Benzo(g,h,i)perylene
Concen: 5.229 ng
RT: 29.842 min Scan# 4574
Delta R.T. 0.012 min
Lab File: BP026050.D
Acq: 30 Oct 2025 20:30

Instrument :
BNA_P
ClientSampleId :
B9-0.0-1.0-20251023



Tgt Ion: 276 Resp: 579339
Ion Ratio Lower Upper
276 100
277 24.5 18.5 27.7
138 22.1 18.1 27.1

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/31/2025
Supervised By :Jagrut Upadhyay 10/31/2025

