

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110325\
 Data File : BP026063.D
 Acq On : 03 Nov 2025 18:16
 Operator : RC/JU
 Sample : Q3519-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-01-103125

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025

Quant Time: Nov 03 23:55:50 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.684	152	430721	20.000	ng	0.00
21) Naphthalene-d8	10.454	136	1702766	20.000	ng	0.00
39) Acenaphthene-d10	14.313	164	1022185	20.000	ng	0.00
64) Phenanthrene-d10	17.125	188	1909534	20.000	ng	0.00
76) Chrysene-d12	21.572	240	1922161	20.000	ng	0.00
86) Perylene-d12	24.901	264	2193532	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.302	112	2867779	109.865	ng	0.00
7) Phenol-d6	6.855	99	3611668	108.708	ng	0.00
23) Nitrobenzene-d5	8.819	82	2077728	76.068	ng	0.00
42) 2,4,6-Tribromophenol	15.837	330	1312991	118.814	ng	0.00
45) 2-Fluorobiphenyl	12.931	172	4461377	62.715	ng	0.00
79) Terphenyl-d14	19.866	244	5760247	60.885	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.166	178	1390946	12.515	ng	99
72) Anthracene	17.260	178	447994	4.066	ng	98
75) Fluoranthene	19.266	202	3930865	30.319	ng	98
78) Pyrene	19.642	202	3640150	28.000	ng	99
81) Benzo(a)anthracene	21.554	228	2353371	17.817	ng	96
83) Chrysene	21.619	228	2101993	16.800	ng	98
87) Indeno(1,2,3-cd)pyrene	28.665	276	1739274	10.740	ng	# 89
88) Benzo(b)fluoranthene	23.848	252	3142552	23.078	ng	97
89) Benzo(k)fluoranthene	23.901	252	1149723m	8.268	ng	
90) Benzo(a)pyrene	24.730	252	2245262	17.947	ng	98
91) Dibenzo(a,h)anthracene	28.736	278	448017	3.400	ng	# 86
92) Benzo(g,h,i)perylene	29.824	276	1680727	13.253	ng	98

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

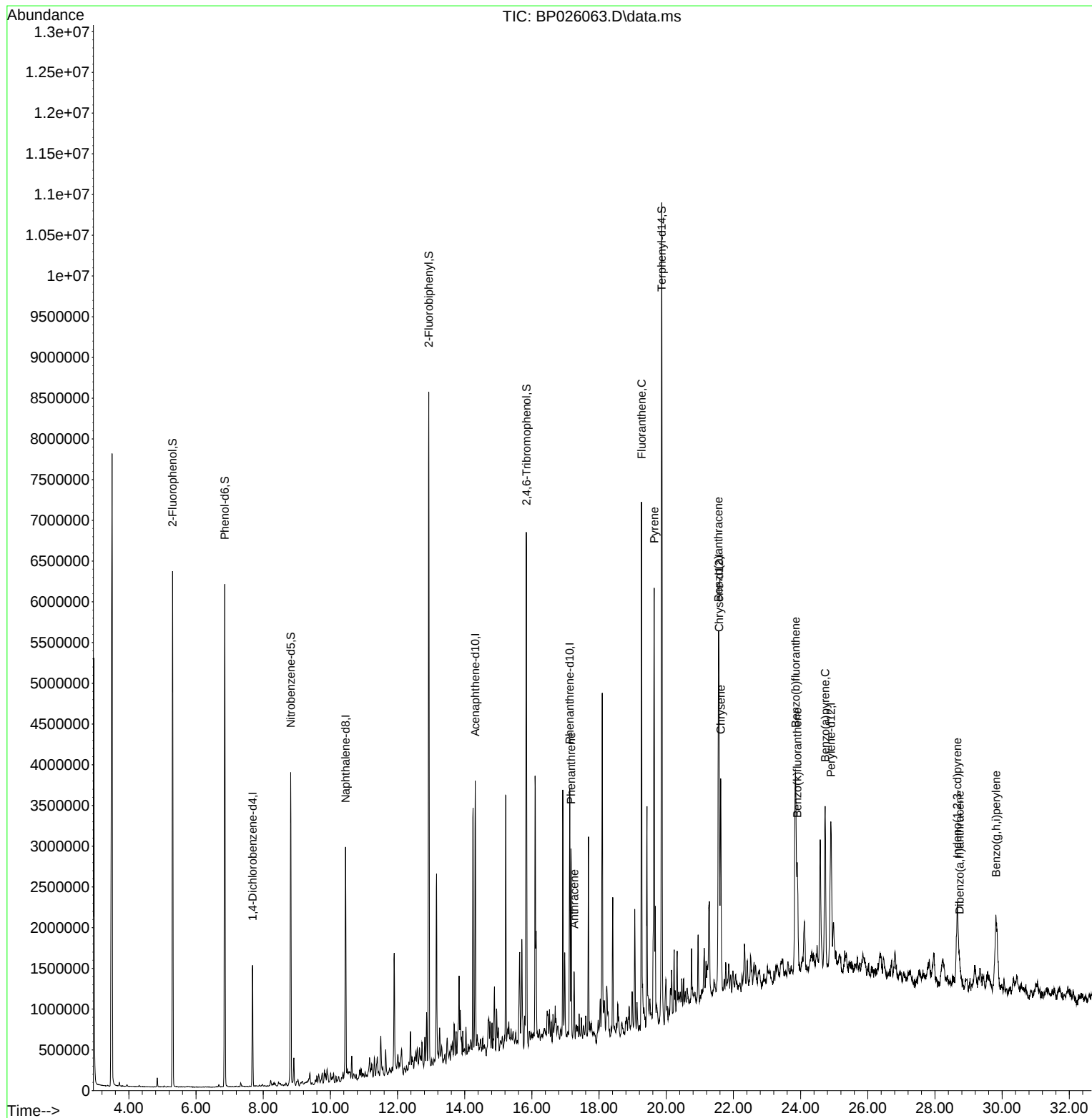
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Data File : BP026063.D
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ALS Vial : 12 Sample Multiplier: 1

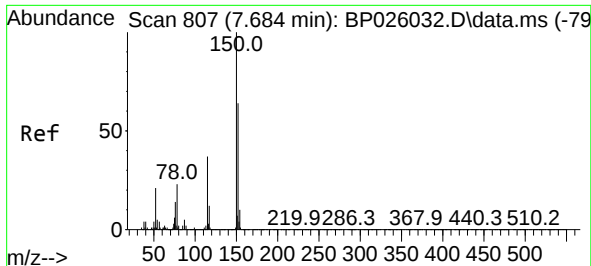
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP102925.M
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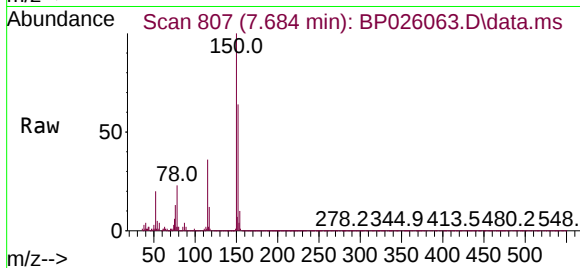
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.684 min Scan# 807
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

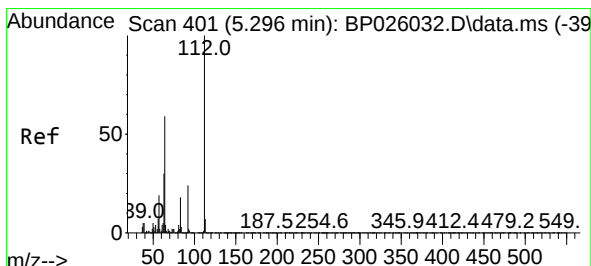
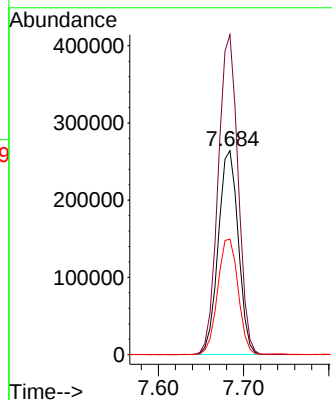
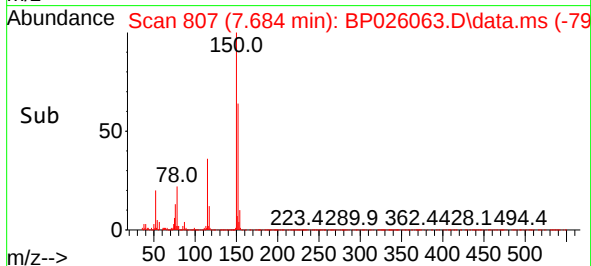
Instrument :
BNA_P
ClientSampleId :
PL-01-103125



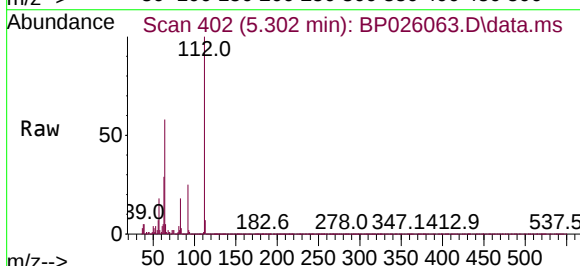
Tgt Ion:152 Resp: 430721
Ion Ratio Lower Upper
152 100
150 157.0 125.7 188.5
115 56.6 46.4 69.6

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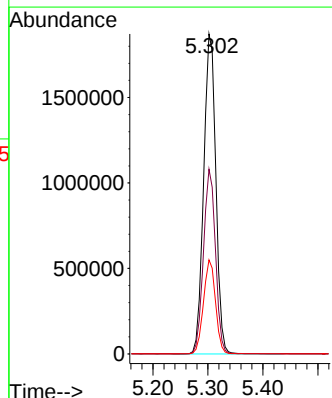
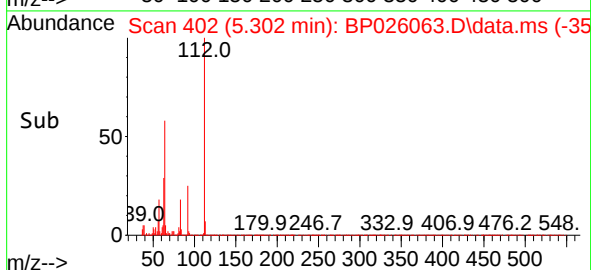
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025

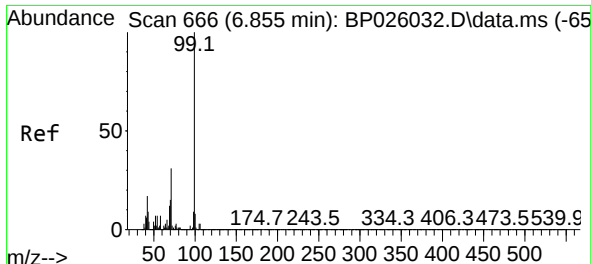


#5
2-Fluorophenol
Concen: 109.865 ng
RT: 5.302 min Scan# 402
Delta R.T. 0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16



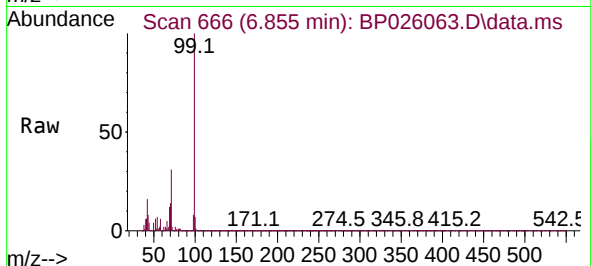
Tgt Ion:112 Resp: 2867779
Ion Ratio Lower Upper
112 100
64 57.8 47.4 71.2
63 29.4 24.2 36.4





#7
Phenol-d6
Concen: 108.708 ng
RT: 6.855 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

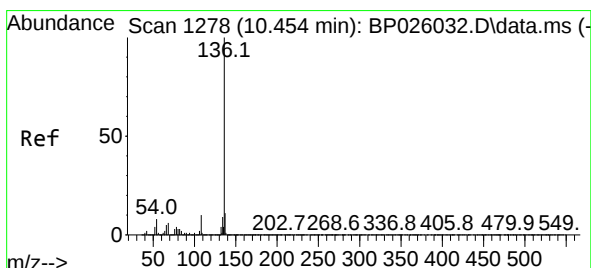
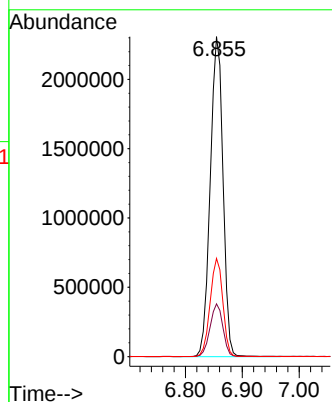
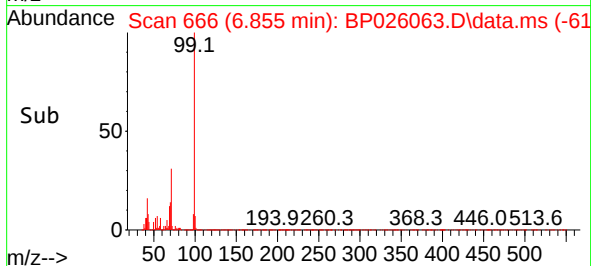
Instrument :
BNA_P
ClientSampleId :
PL-01-103125



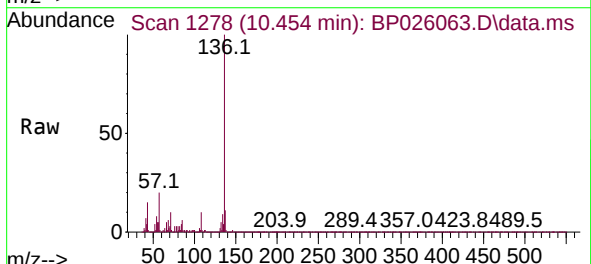
Tgt Ion: 99 Resp: 3611668
Ion Ratio Lower Upper
99 100
42 16.5 13.7 20.5
71 30.7 24.4 36.6

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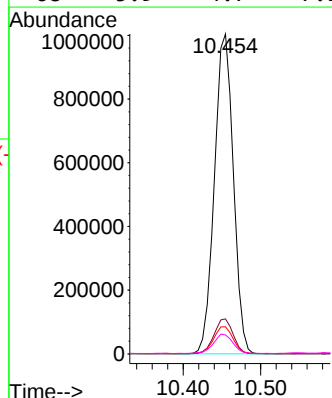
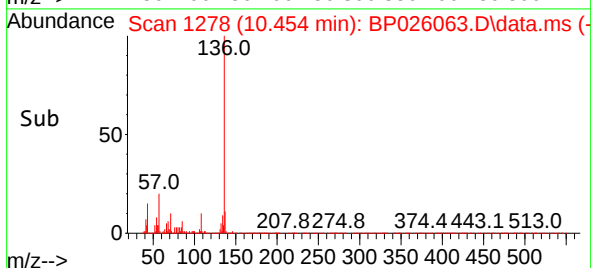
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025

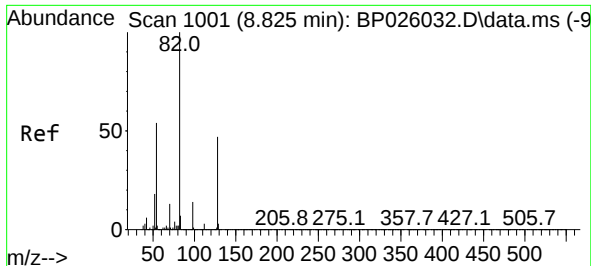


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.454 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16



Tgt Ion:136 Resp: 1702766
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.5 6.6 10.0
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 76.068 ng
RT: 8.819 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

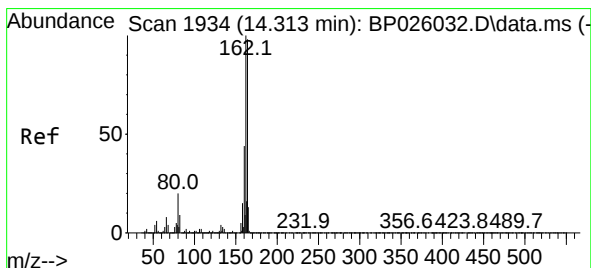
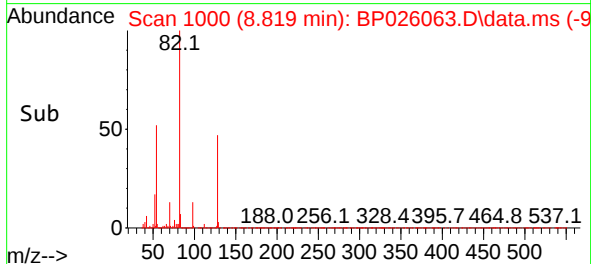
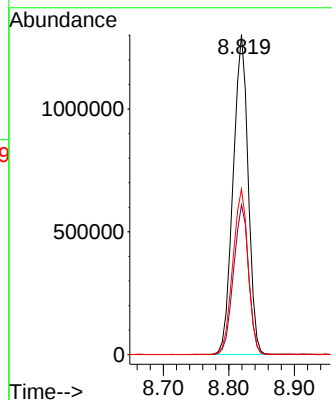
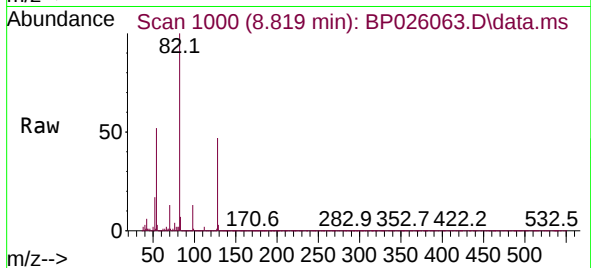
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Tgt Ion: 82 Resp: 2077728
Ion Ratio Lower Upper
82 100
128 46.8 37.4 56.0
54 51.7 42.7 64.1

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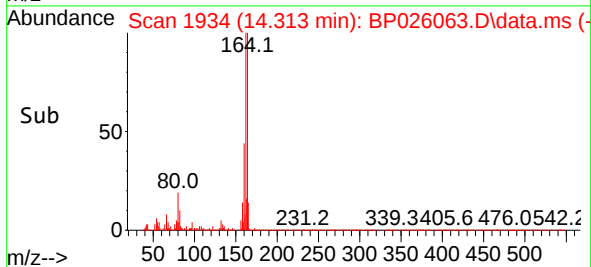
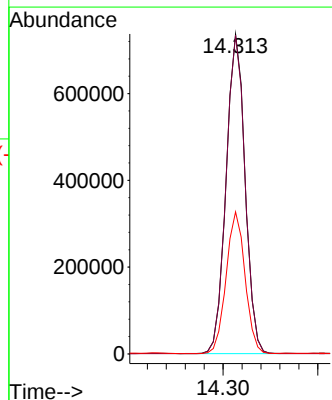
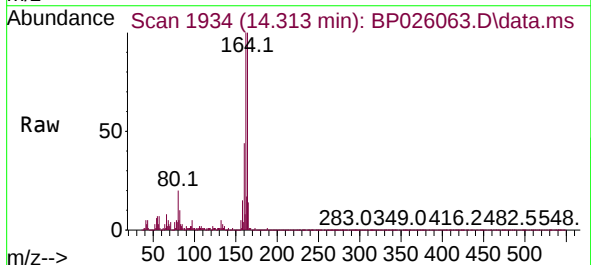
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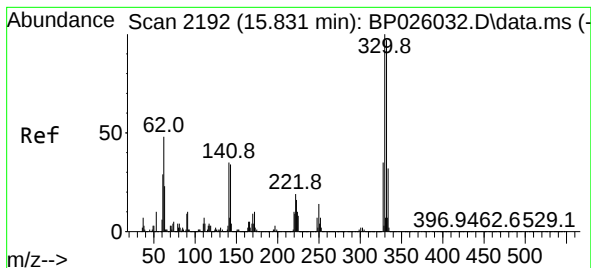
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.313 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion:164 Resp: 1022185
Ion Ratio Lower Upper
164 100
162 99.6 81.5 122.3
160 44.4 36.2 54.4





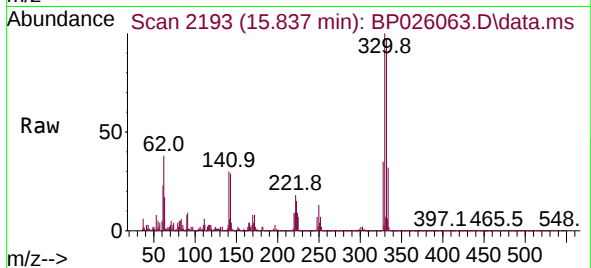
#42
2,4,6-Tribromophenol
Concen: 118.814 ng
RT: 15.837 min Scan# 2192
Delta R.T. 0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

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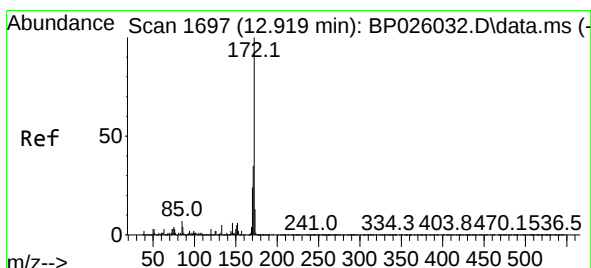
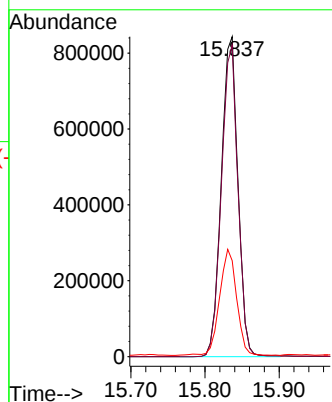
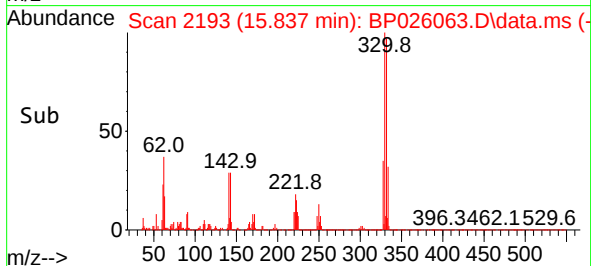


Tgt Ion:330 Resp: 1312991
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 33.9 28.6 42.8

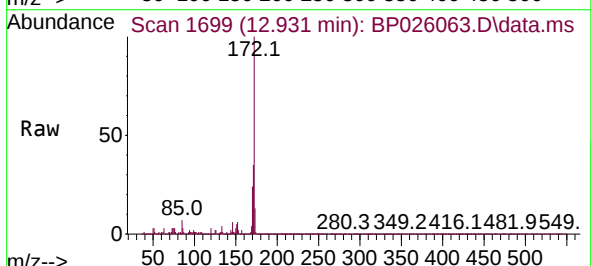
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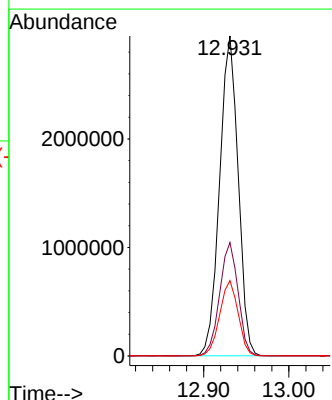
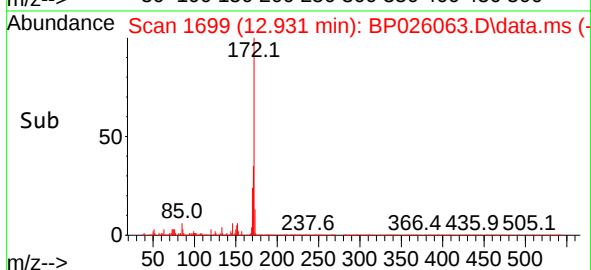
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025

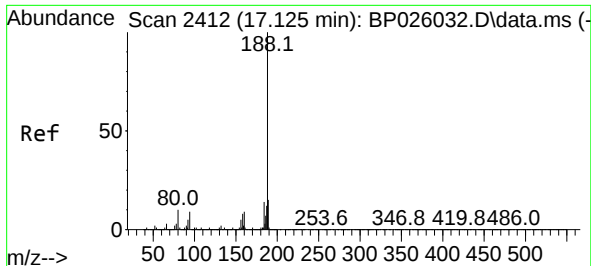


#45
2-Fluorobiphenyl
Concen: 62.715 ng
RT: 12.931 min Scan# 1699
Delta R.T. -0.000 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16



Tgt Ion:172 Resp: 4461377
Ion Ratio Lower Upper
172 100
171 35.4 27.9 41.9
170 23.5 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.125 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

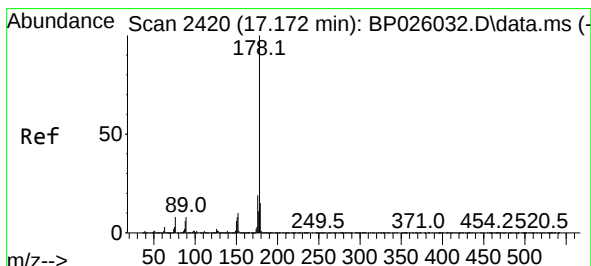
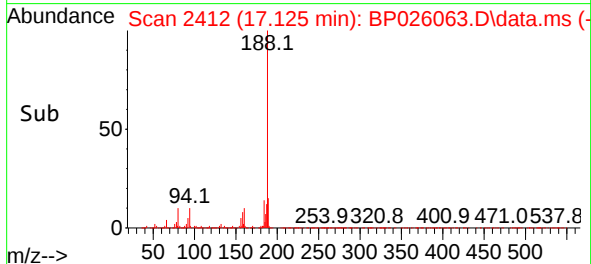
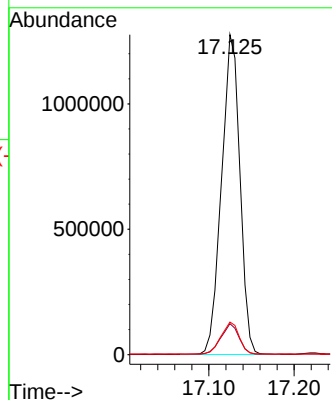
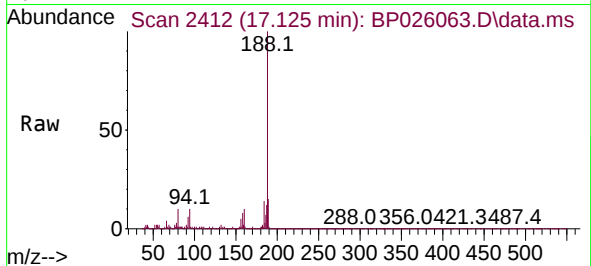
ClientSampleId :

PL-01-103125

Tgt Ion:188 Resp: 1909534
Ion Ratio Lower Upper
188 100
94 9.7 7.1 10.7
80 10.2 7.9 11.9

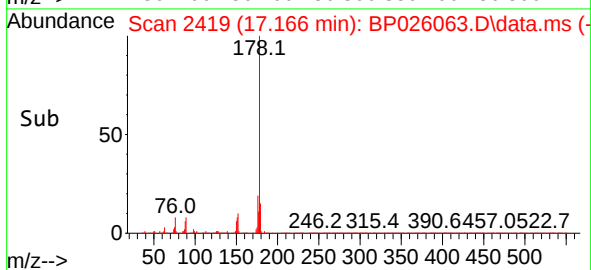
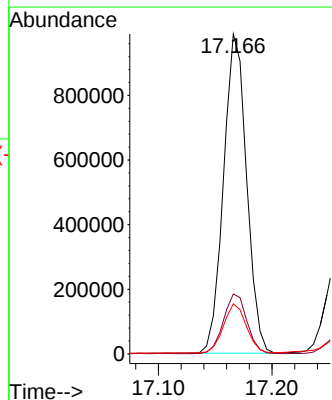
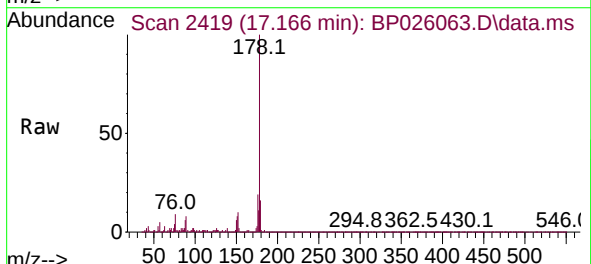
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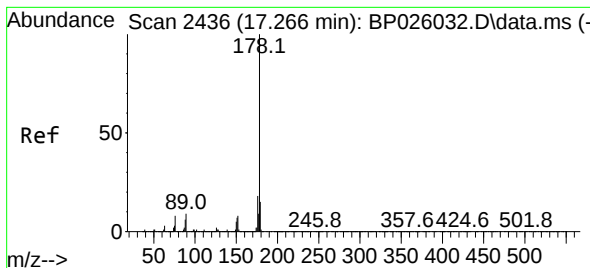
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025



#71
Phenanthrene
Concen: 12.515 ng
RT: 17.166 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion:178 Resp: 1390946
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.6 12.3 18.5





#72

Anthracene

Concen: 4.066 ng

RT: 17.260 min Scan# 2436

Delta R.T. -0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

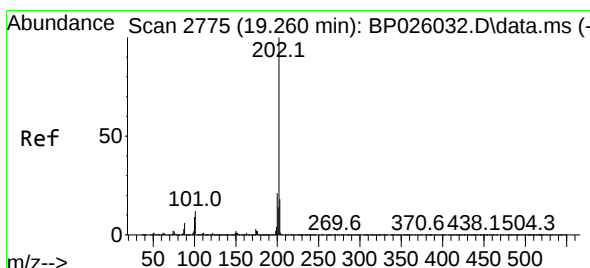
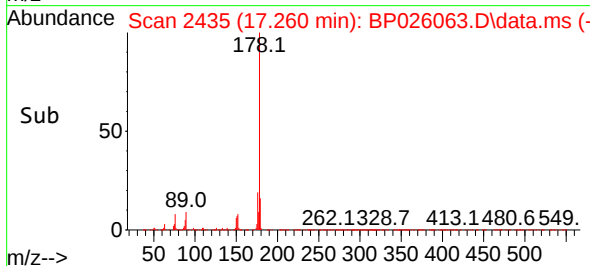
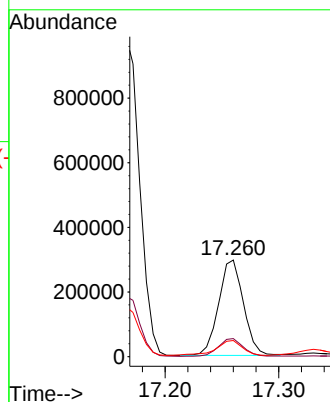
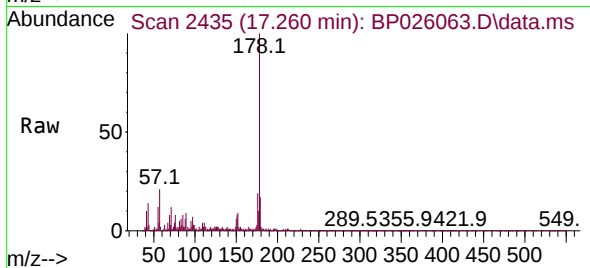
PL-01-103125

Tgt Ion:178 Resp: 447994
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 16.6 12.2 18.4

Manual Integrations

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 Supervised By :mohammad ahmed 11/06/2025



#75

Fluoranthene

Concen: 30.319 ng

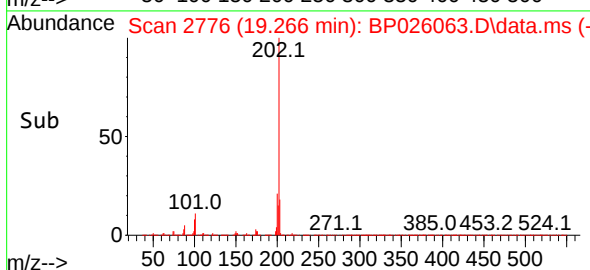
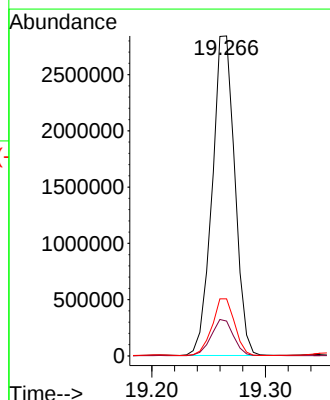
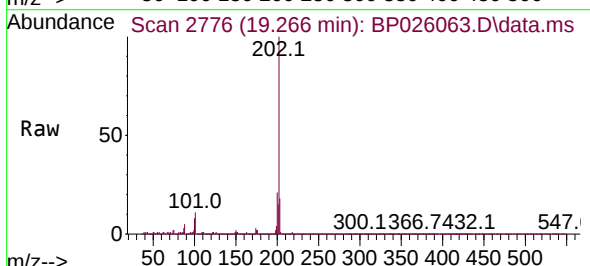
RT: 19.266 min Scan# 2776

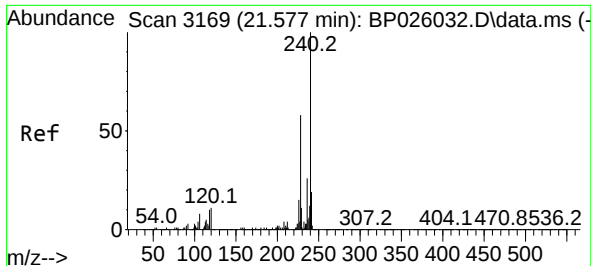
Delta R.T. 0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Tgt Ion:202 Resp: 3930865
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 32.1
 203 17.8 0.0 37.6





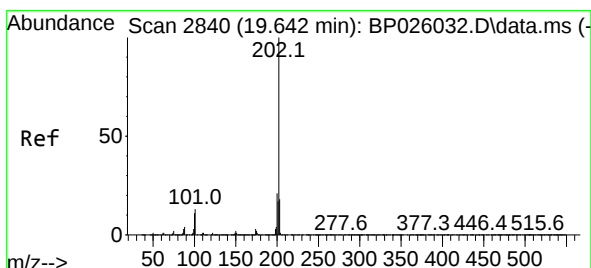
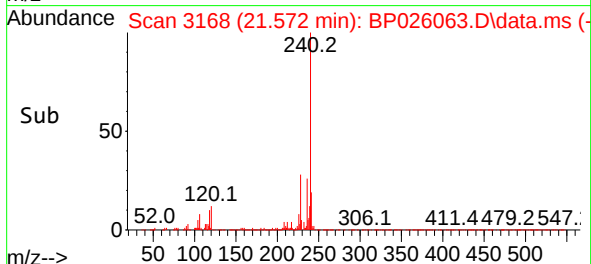
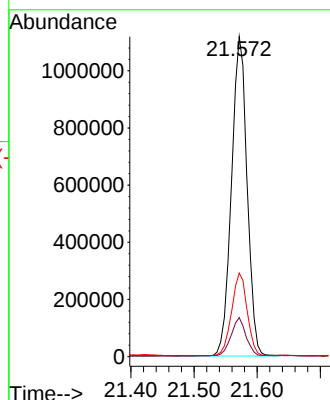
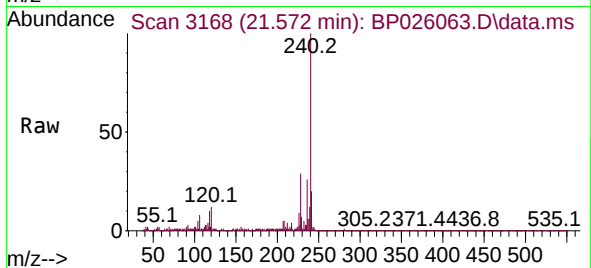
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.572 min Scan# 3169
Delta R.T. 0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:240 Resp: 192216
Ion Ratio Lower Upper
240 100
120 12.2 8.9 13.3
236 26.1 20.6 31.0

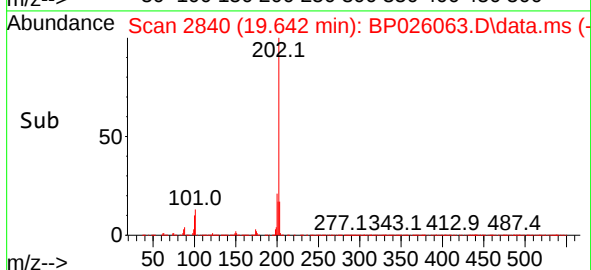
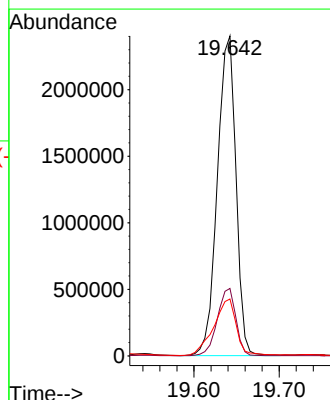
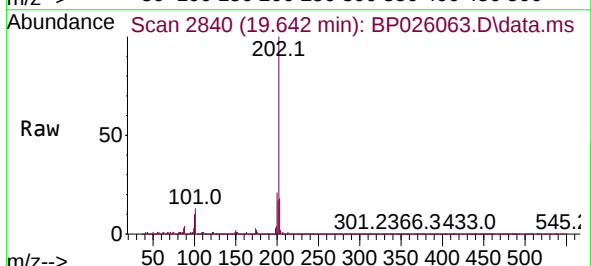
Manual Integrations
APPROVED

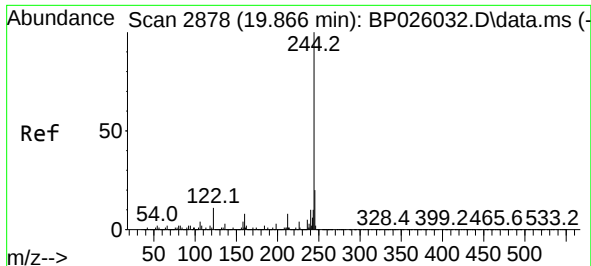
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025



#78
Pyrene
Concen: 28.000 ng
RT: 19.642 min Scan# 2840
Delta R.T. 0.006 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion:202 Resp: 3640150
Ion Ratio Lower Upper
202 100
200 21.1 16.6 25.0
203 17.8 14.0 21.0





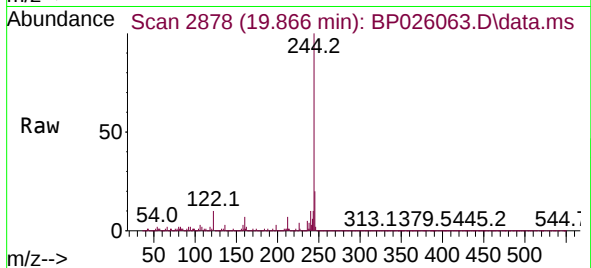
#79
 Terphenyl-d14
 Concen: 60.885 ng
 RT: 19.866 min Scan# 2878
 Delta R.T. 0.000 min
 Lab File: BP026063.D
 Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

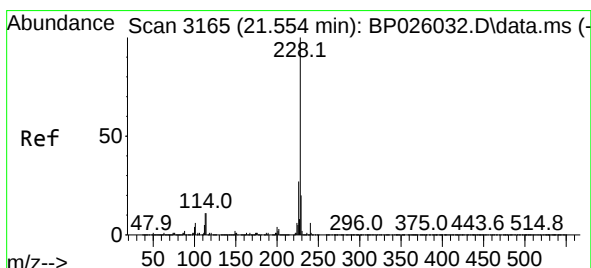
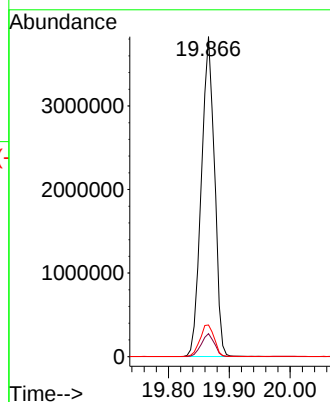
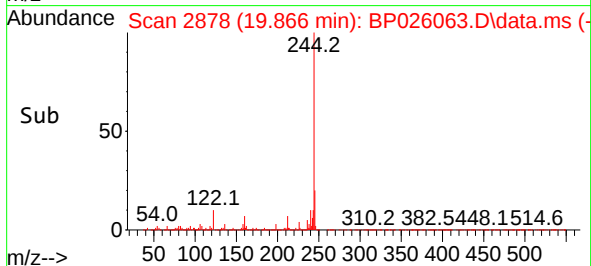


Tgt Ion:244 Resp: 576024
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 9.9 9.0 13.6

Manual Integrations

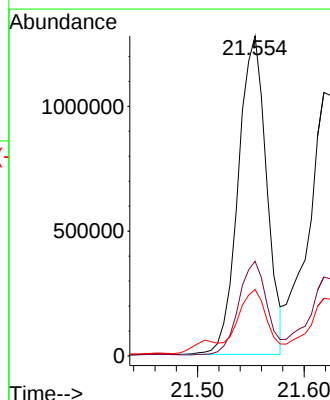
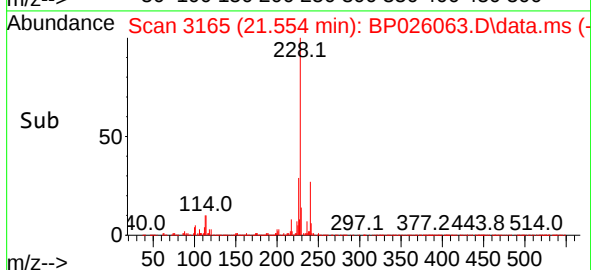
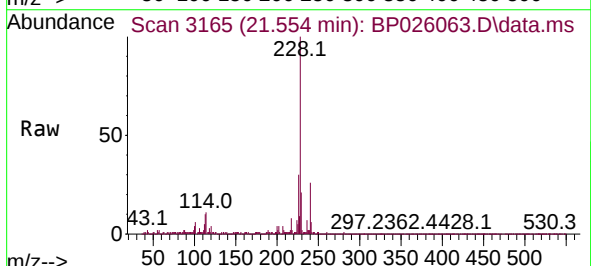
APPROVED

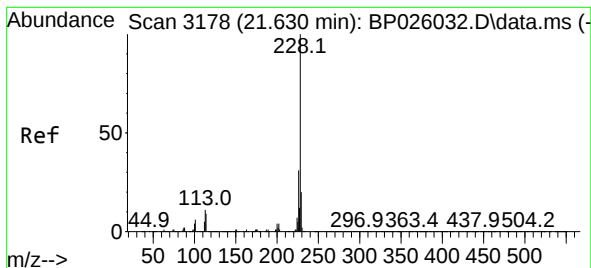
Reviewed By :Jagrut Upadhyay 11/04/2025
 Supervised By :mohammad ahmed 11/06/2025



#81
 Benzo(a)anthracene
 Concen: 17.817 ng
 RT: 21.554 min Scan# 3165
 Delta R.T. 0.006 min
 Lab File: BP026063.D
 Acq: 03 Nov 2025 18:16

Tgt Ion:228 Resp: 2353371
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.7 32.5
 229 20.8 15.8 23.8





#83

Chrysene

Concen: 16.800 ng

RT: 21.619 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

Tgt Ion:228 Resp: 2101993

Ion Ratio Lower Upper

228 100

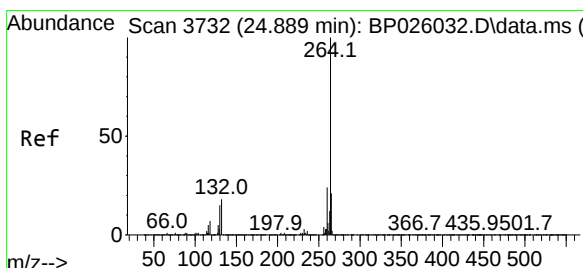
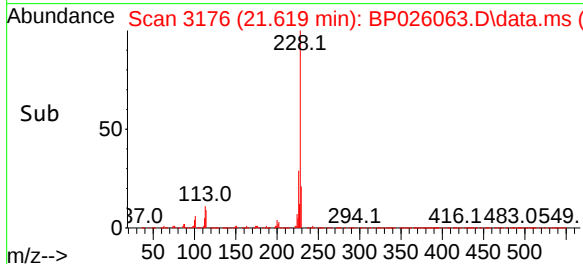
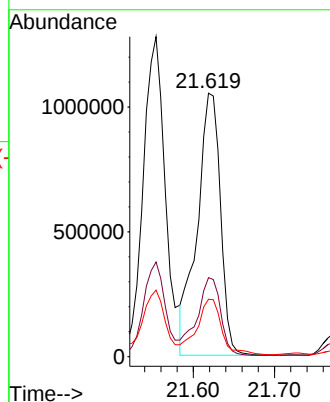
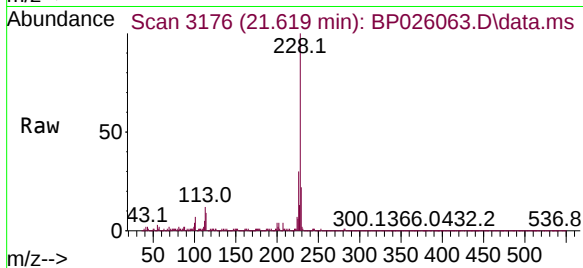
226 30.0 24.4 36.6

229 21.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.901 min Scan# 3734

Delta R.T. 0.018 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

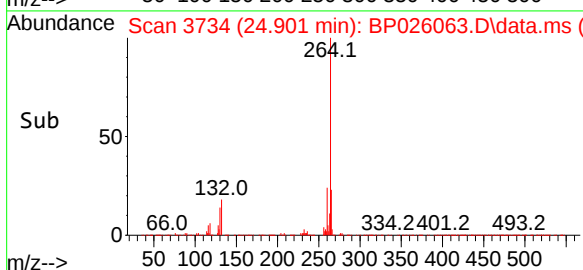
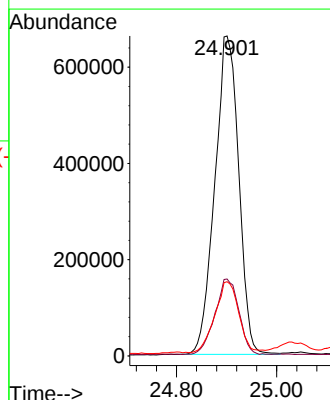
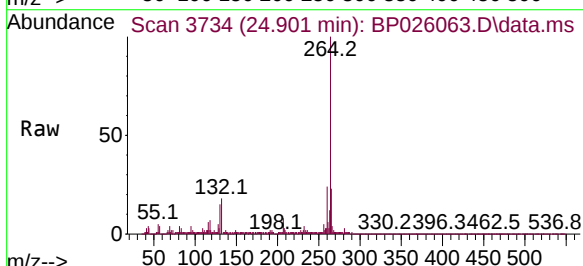
Tgt Ion:264 Resp: 2193532

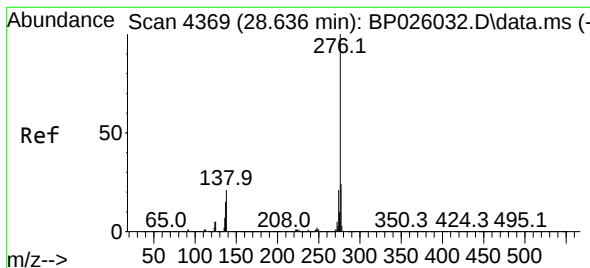
Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 23.2 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.740 ng

RT: 28.665 min Scan# 4369

Delta R.T. 0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

PL-01-103125

Tgt Ion:276 Resp: 1739274

Ion Ratio Lower Upper

276 100

138 22.4 13.2 19.8

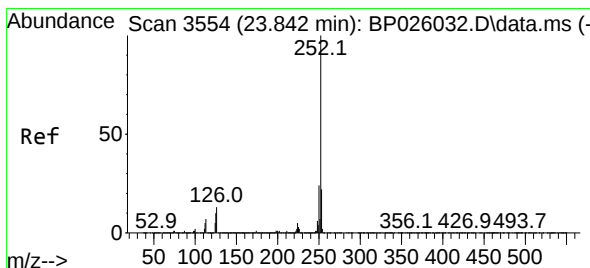
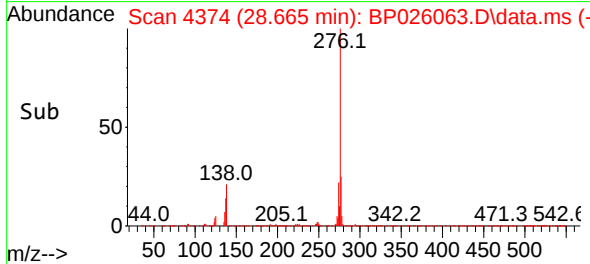
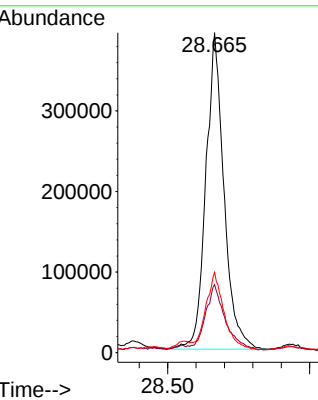
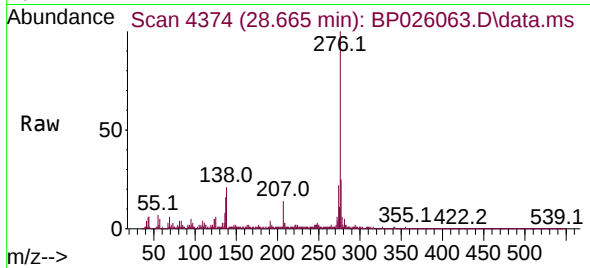
277 24.7 16.3 24.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025

Supervised By :mohammad ahmed 11/06/2025



#88

Benzo(b)fluoranthene

Concen: 23.078 ng

RT: 23.848 min Scan# 3555

Delta R.T. 0.000 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

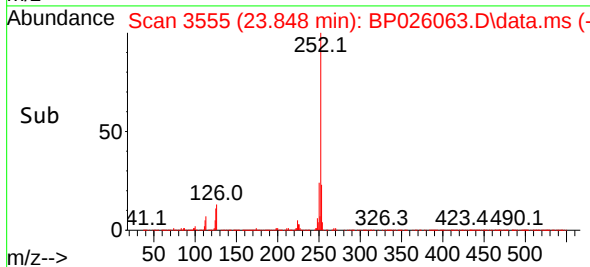
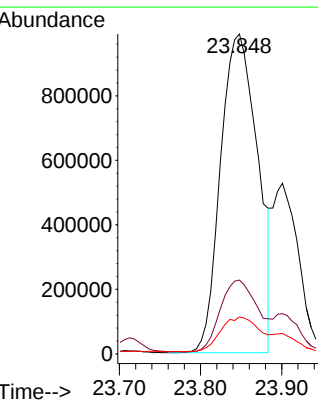
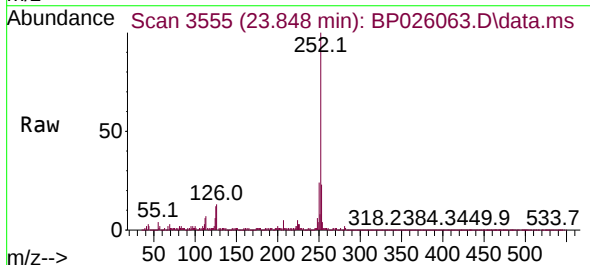
Tgt Ion:252 Resp: 3142552

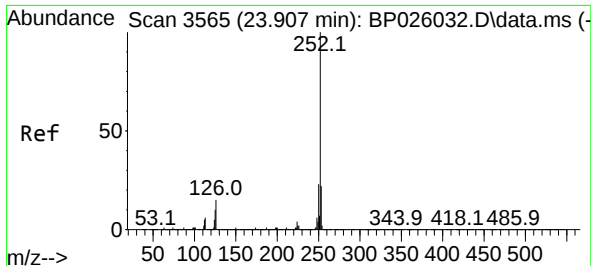
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.5 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 8.268 ng m
RT: 23.901 min Scan# 3565
Delta R.T. -0.023 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

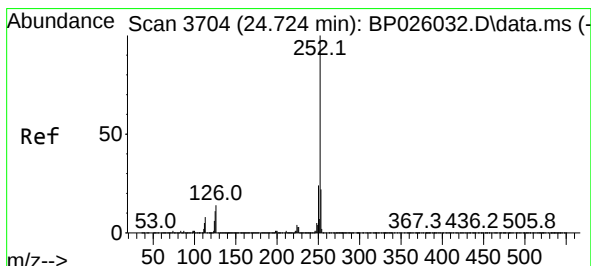
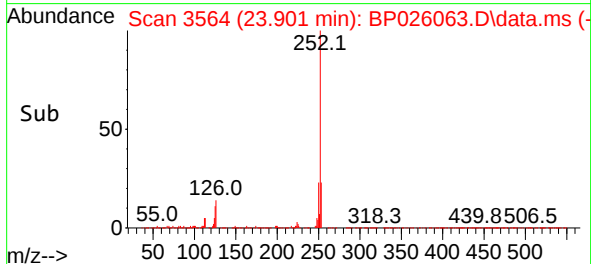
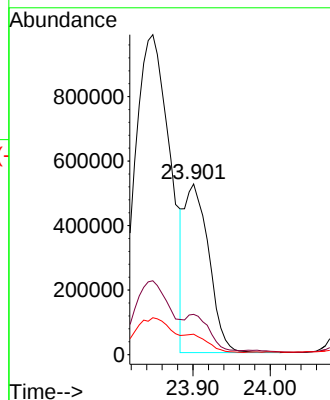
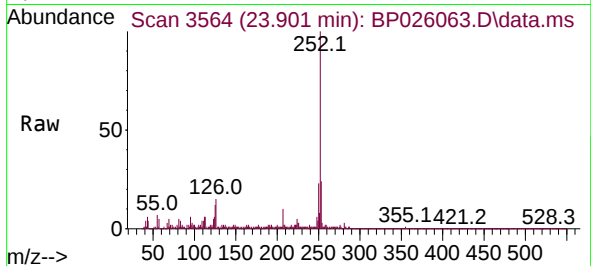
ClientSampleId :

PL-01-103125

Tgt Ion:252 Resp: 1149723
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 11.9 8.1 12.1

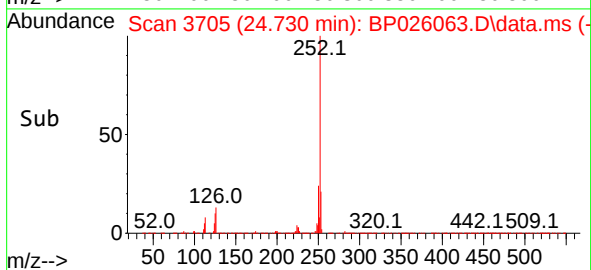
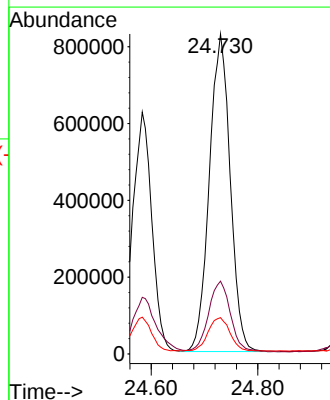
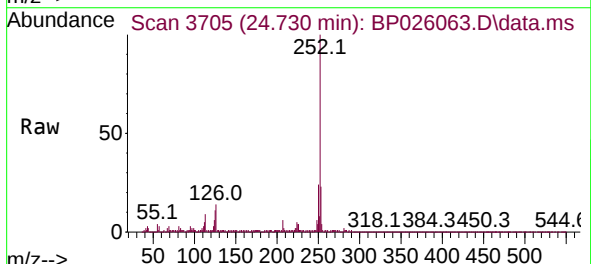
Manual Integrations
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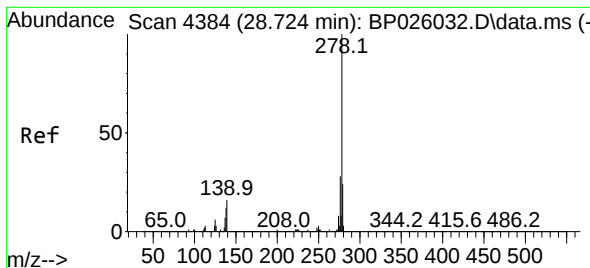
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025



#90
Benzo(a)pyrene
Concen: 17.947 ng
RT: 24.730 min Scan# 3705
Delta R.T. -0.012 min
Lab File: BP026063.D
Acq: 03 Nov 2025 18:16

Tgt Ion:252 Resp: 2245262
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.3 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 3.400 ng

RT: 28.736 min Scan# 44801

Delta R.T. -0.012 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Instrument :

BNA_P

ClientSampleId :

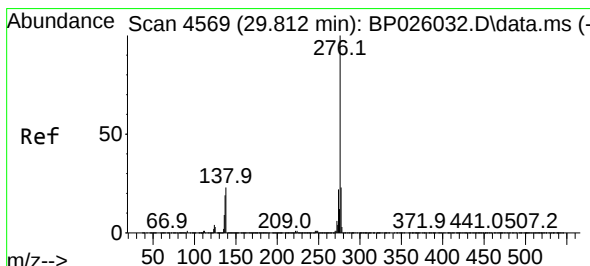
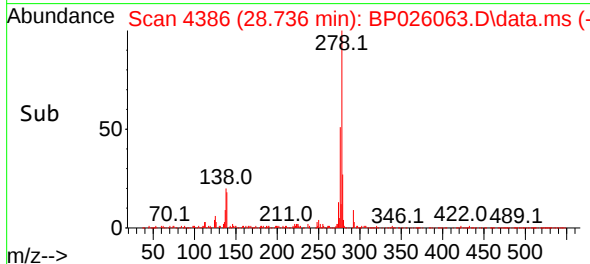
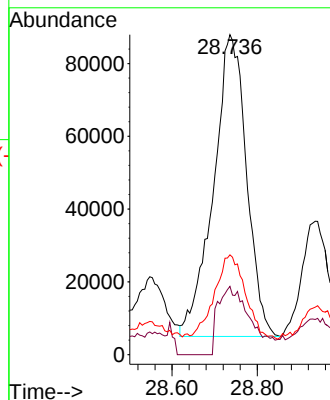
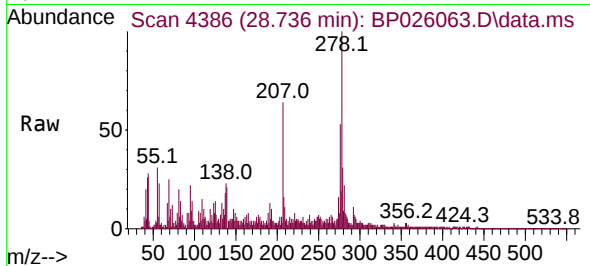
PL-01-103125

Tgt Ion:	278	Resp:	44801
Ion Ratio	Lower	Upper	
278	100		
139	21.3	13.0	19.6
279	31.2	18.9	28.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/06/2025



#92

Benzo(g,h,i)perylene

Concen: 13.253 ng

RT: 29.824 min Scan# 4571

Delta R.T. -0.006 min

Lab File: BP026063.D

Acq: 03 Nov 2025 18:16

Tgt Ion:	276	Resp:	1680727
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.5	27.7
138	23.4	18.1	27.1

