

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120325\
 Data File : BP026235.D
 Acq On : 03 Dec 2025 20:24
 Operator : RC/JU
 Sample : Q3741-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B50-SP4-112525

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025
 Supervised By :mohammad ahmed 12/09/2025

Quant Time: Dec 04 00:06:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.661	152	316661	20.000	ng	-0.01
21) Naphthalene-d8	10.425	136	1283087	20.000	ng	-0.02
39) Acenaphthene-d10	14.284	164	788396	20.000	ng	-0.04
64) Phenanthrene-d10	17.089	188	1231674	20.000	ng	-0.04
76) Chrysene-d12	21.530	240	1204285	20.000	ng	-0.04
86) Perylene-d12	24.824	264	1573376	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	1115841	56.560	ng	0.00
7) Phenol-d6	6.837	99	1922623	76.550	ng	-0.02
23) Nitrobenzene-d5	8.790	82	1210164	53.574	ng	-0.02
42) 2,4,6-Tribromophenol	15.807	330	424939	41.549	ng	-0.03
45) 2-Fluorobiphenyl	12.901	172	3171234	58.952	ng	-0.03
79) Terphenyl-d14	19.825	244	3162222	53.542	ng	-0.05
Target Compounds						Qvalue
71) Phenanthrene	17.137	178	756617	10.905	ng	100
75) Fluoranthene	19.225	202	922915	10.948	ng	98
78) Pyrene	19.601	202	854132	10.817	ng	99
81) Benzo(a)anthracene	21.513	228	535889	6.479	ng	96
83) Chrysene	21.577	228	535436m	6.869	ng	
87) Indeno(1,2,3-cd)pyrene	28.554	276	435240	3.689	ng	# 92
88) Benzo(b)fluoranthene	23.783	252	775080	8.089	ng	97
89) Benzo(k)fluoranthene	23.854	252	300938m	3.145	ng	
90) Benzo(a)pyrene	24.671	252	657636	7.246	ng	96
92) Benzo(g,h,i)perylene	29.712	276	412184	4.293	ng	97

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

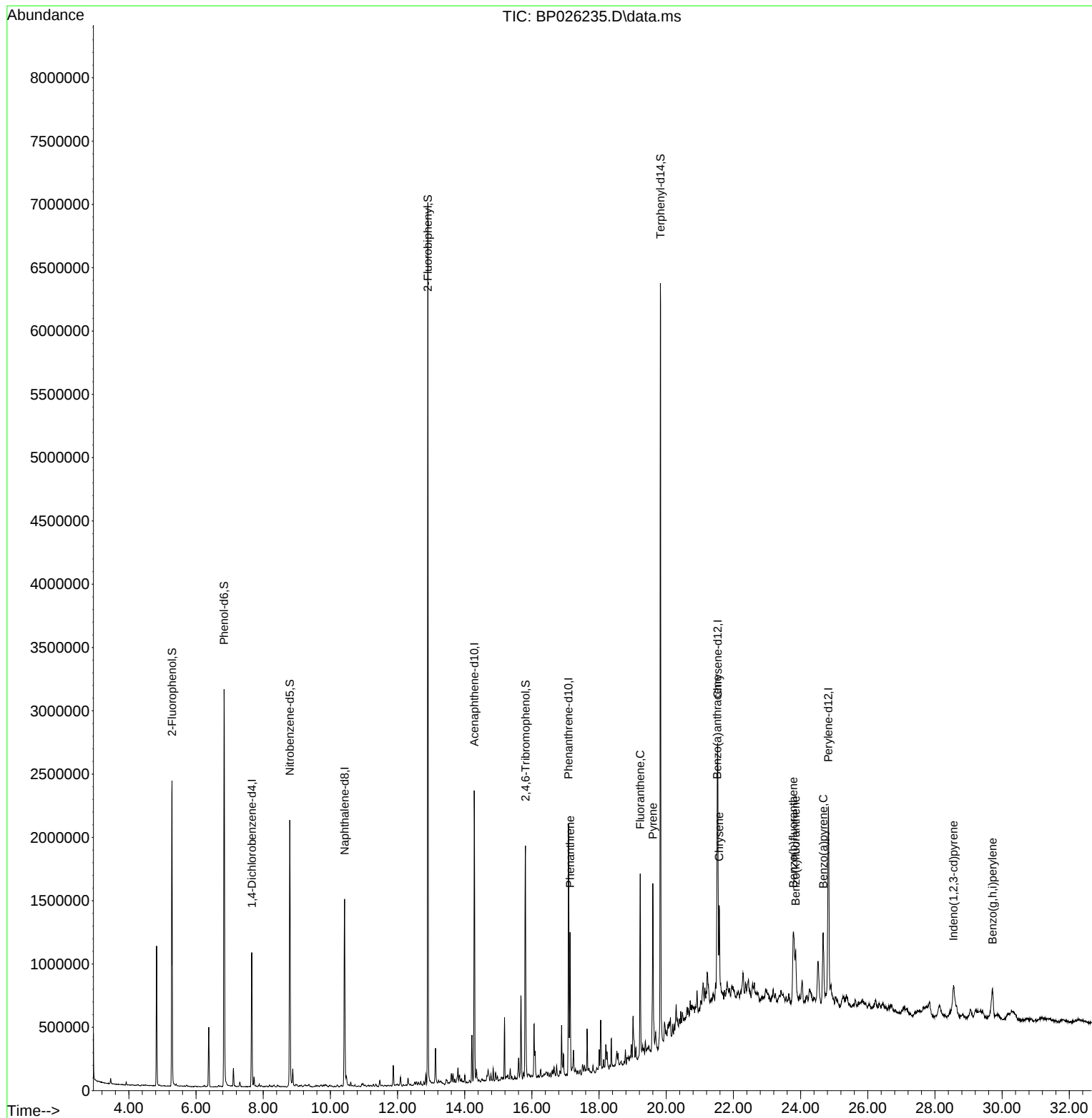
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120325\
Data File : BP026235.D
Acq On : 03 Dec 2025 20:24
Operator : RC/JU
Sample : Q3741-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

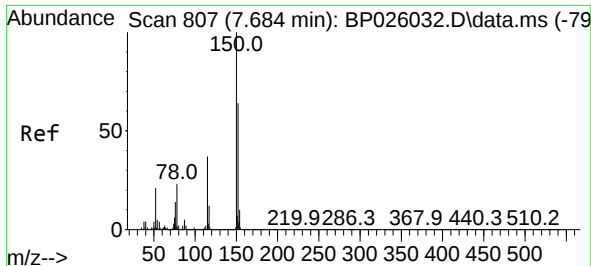
Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525

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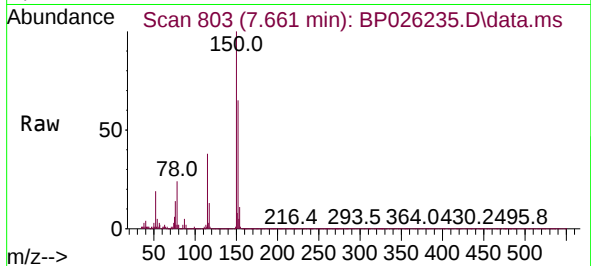
Quant Time: Dec 04 00:06:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 19 01:25:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.661 min Scan# 807
Delta R.T. -0.011 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

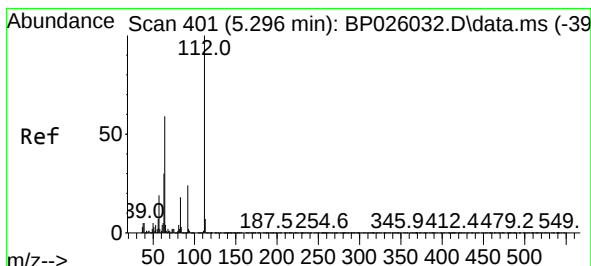
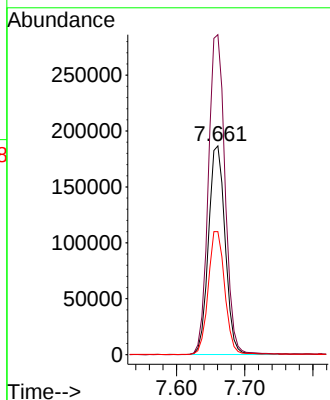
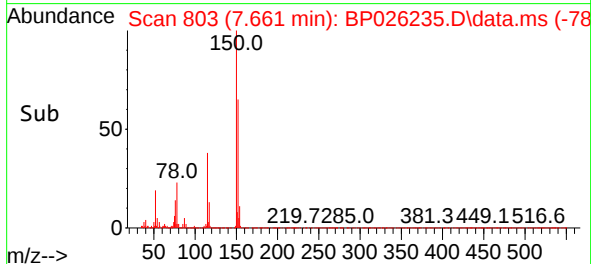
Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525



Tgt Ion:152 Resp: 316661
Ion Ratio Lower Upper
152 100
150 153.3 123.0 184.6
115 58.9 46.3 69.5

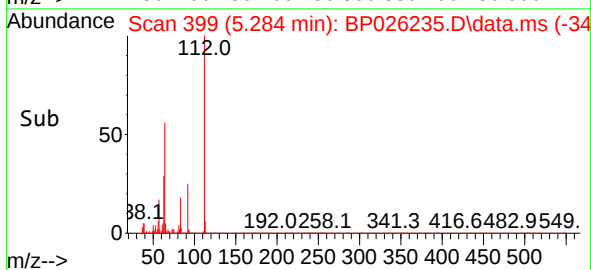
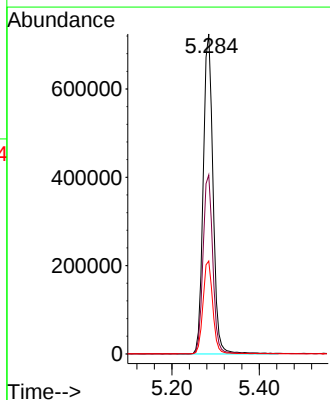
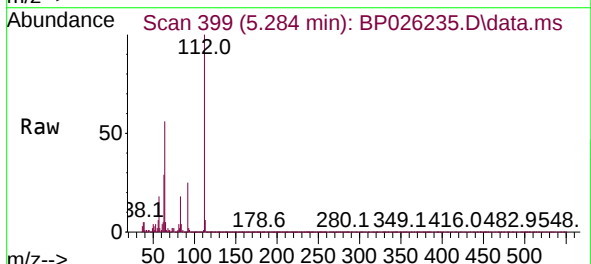
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Supervised By :mohammad ahmed 12/09/2025



#5
2-Fluorophenol
Concen: 56.560 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

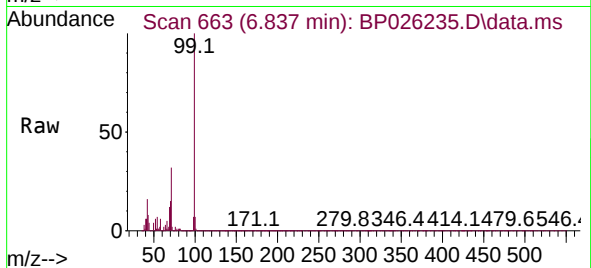
Tgt Ion:112 Resp: 1115841
Ion Ratio Lower Upper
112 100
64 55.9 45.8 68.6
63 29.0 23.5 35.3





#7
Phenol-d6
Concen: 76.550 ng
RT: 6.837 min Scan# 60
Delta R.T. -0.017 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

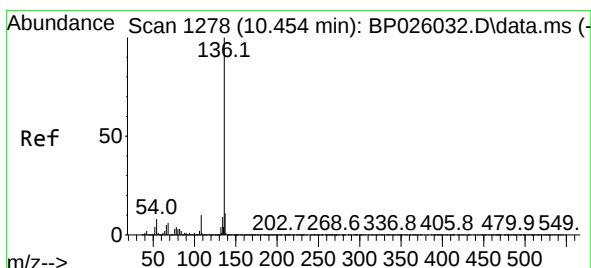
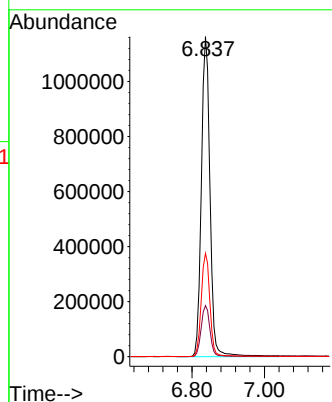
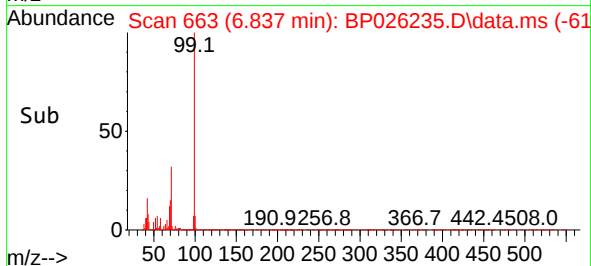
Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525



Tgt Ion: 99 Resp: 1922623
Ion Ratio Lower Upper
99 100
42 15.9 12.9 19.3
71 32.3 24.8 37.2

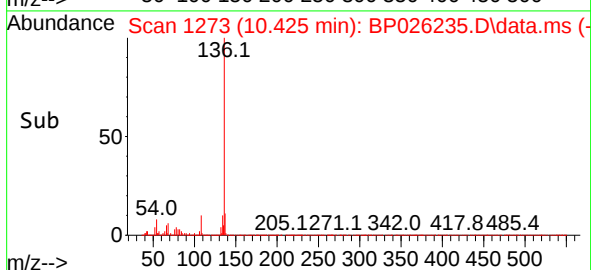
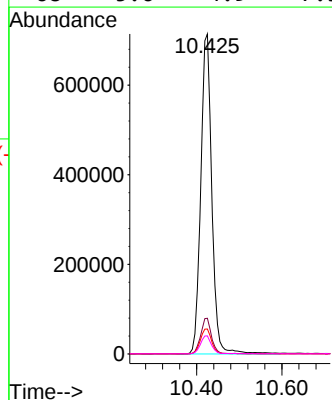
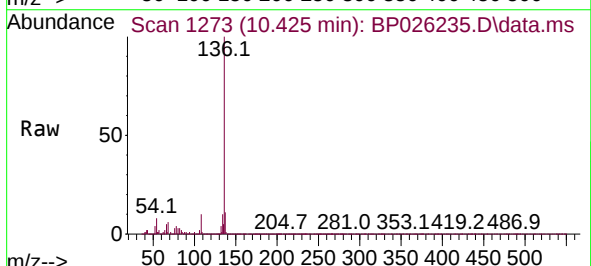
Manual Integrations
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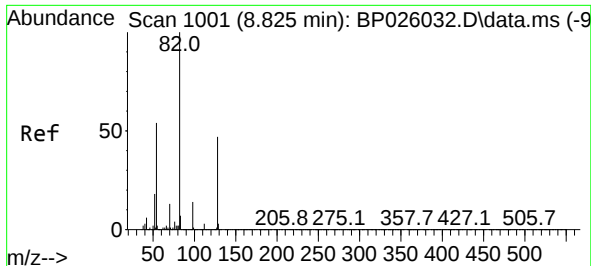
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.425 min Scan# 1273
Delta R.T. -0.023 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

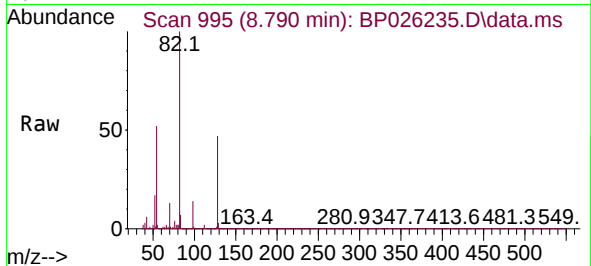
Tgt Ion:136 Resp: 1283087
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.8 6.4 9.6
68 5.6 4.9 7.3





#23
Nitrobenzene-d5
Concen: 53.574 ng
RT: 8.790 min Scan# 995
Delta R.T. -0.023 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

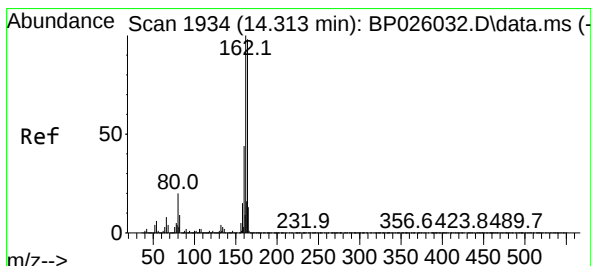
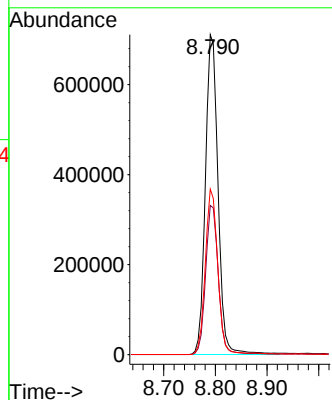
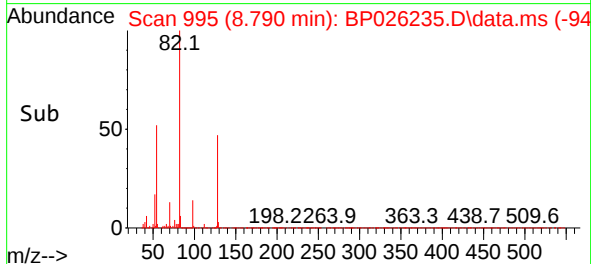
Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525



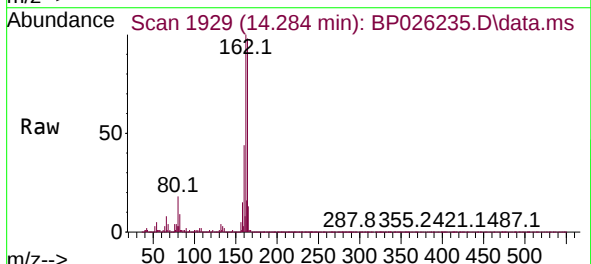
Tgt Ion: 82 Resp: 1210164
Ion Ratio Lower Upper
82 100
128 46.6 37.4 56.0
54 51.7 41.6 62.4

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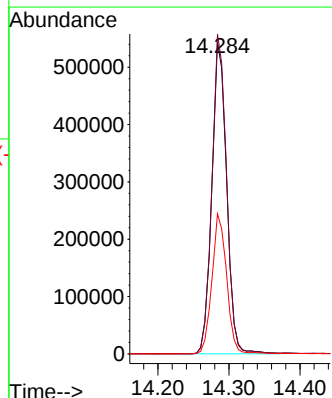
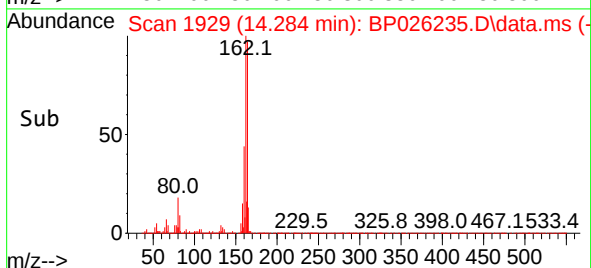
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

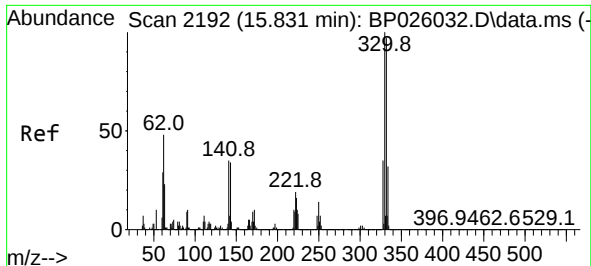


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.284 min Scan# 1929
Delta R.T. -0.041 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24



Tgt Ion:164 Resp: 788396
Ion Ratio Lower Upper
164 100
162 102.6 80.3 120.5
160 44.9 35.2 52.8





#42

2,4,6-Tribromophenol

Concen: 41.549 ng

RT: 15.807 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

Instrument :

BNA_P

ClientSampleId :

B50-SP4-112525

Tgt Ion:330 Resp: 424939

Ion Ratio Lower Upper

330 100

332 94.9 78.0 117.0

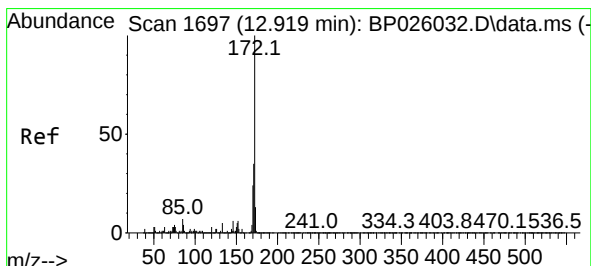
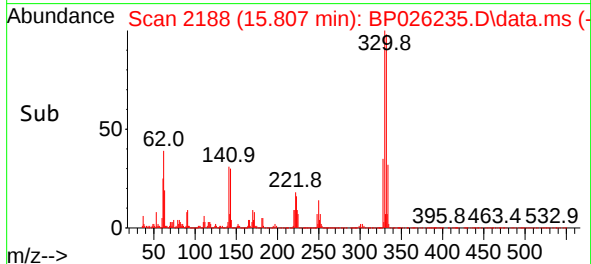
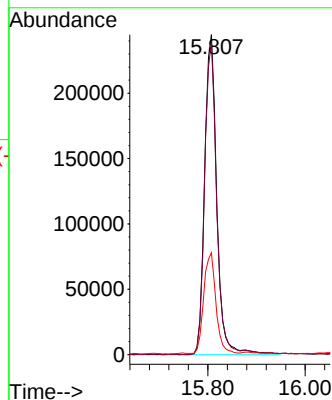
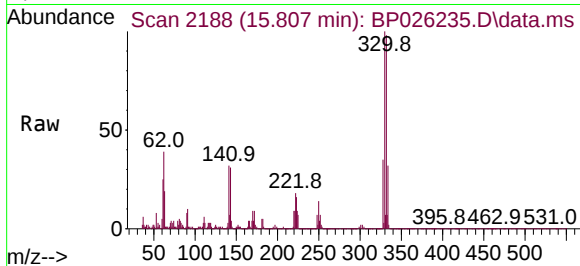
141 31.3 26.8 40.2

Manual Integrations

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Supervised By :mohammad ahmed 12/09/2025



#45

2-Fluorobiphenyl

Concen: 58.952 ng

RT: 12.901 min Scan# 1694

Delta R.T. -0.029 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

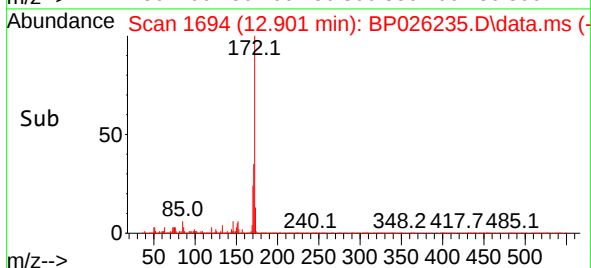
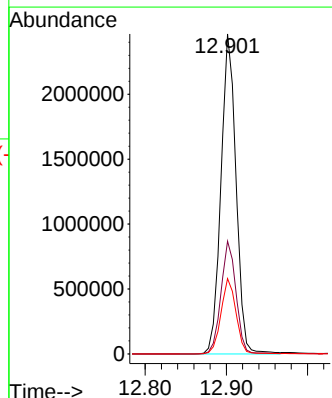
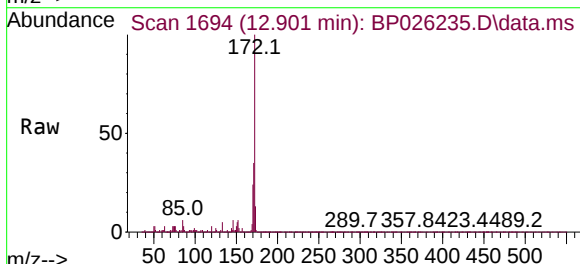
Tgt Ion:172 Resp: 3171234

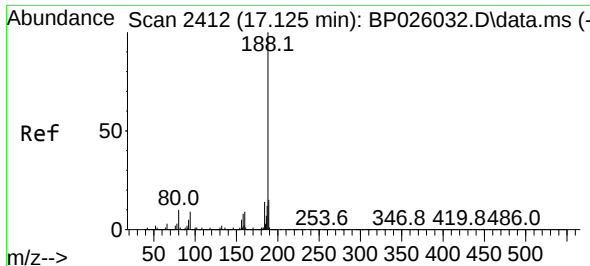
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.5 18.7 28.1





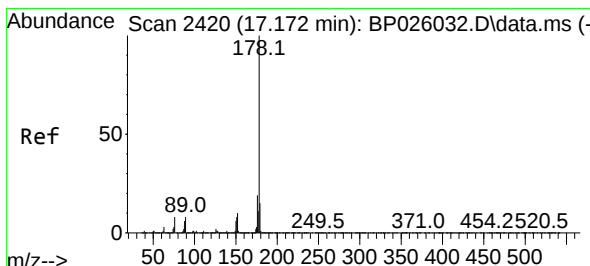
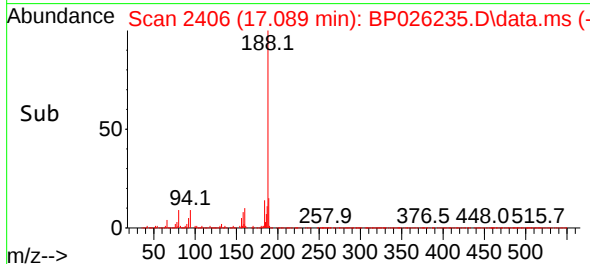
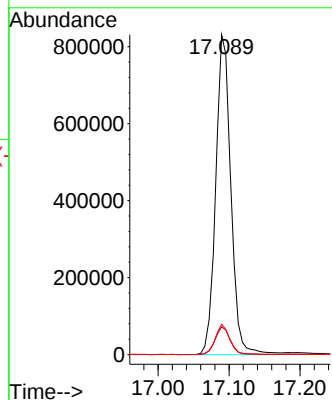
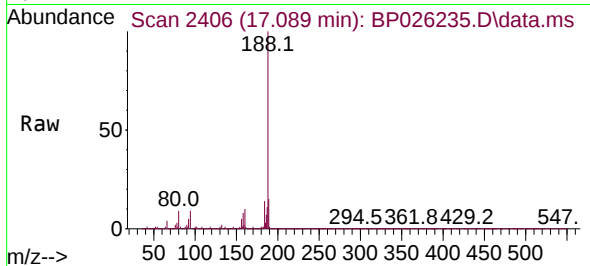
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.089 min Scan# 2412
Delta R.T. -0.041 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525

Tgt Ion:188 Resp: 1231674
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 9.5 8.2 12.2

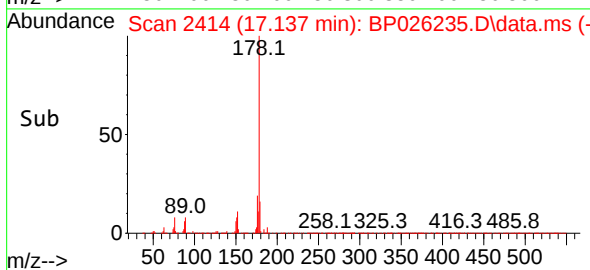
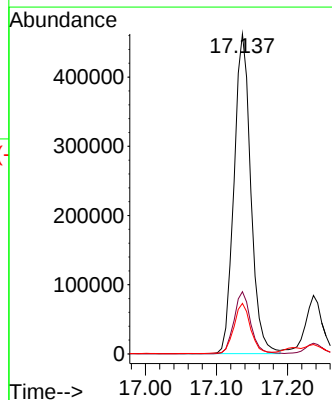
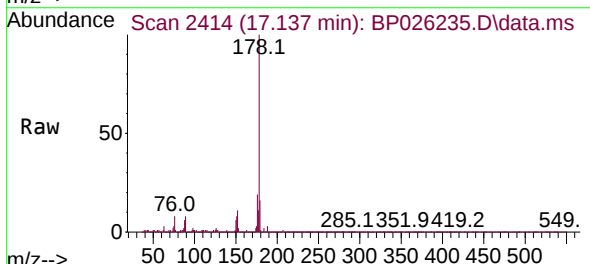
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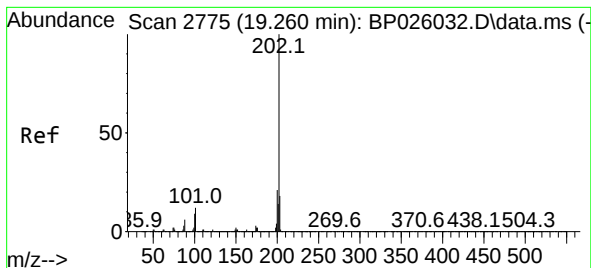
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#71
Phenanthrene
Concen: 10.905 ng
RT: 17.137 min Scan# 2414
Delta R.T. -0.041 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

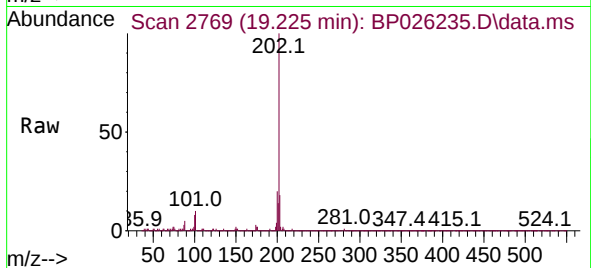
Tgt Ion:178 Resp: 756617
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.4 18.6





#75
Fluoranthene
Concen: 10.948 ng
RT: 19.225 min Scan# 21
Delta R.T. -0.041 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

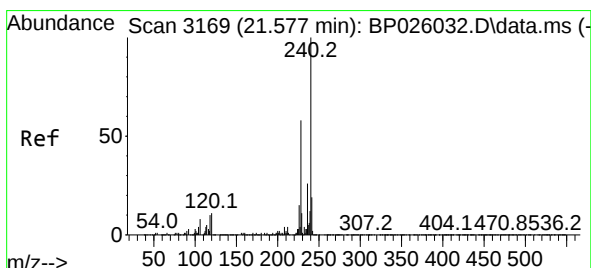
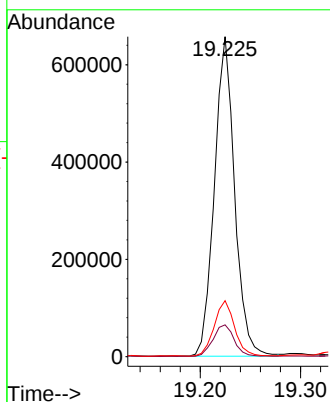
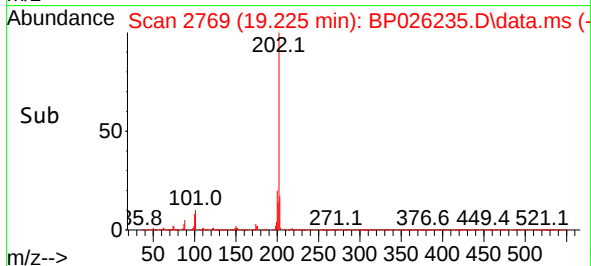
Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525



Tgt Ion:202 Resp: 922915
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.2
203 17.5 0.0 37.7

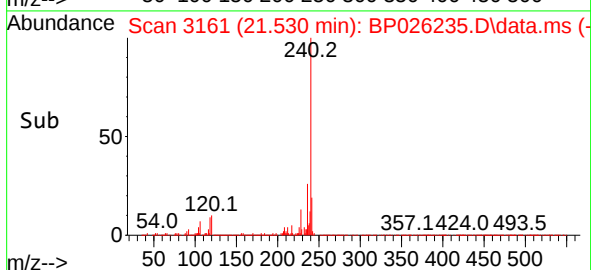
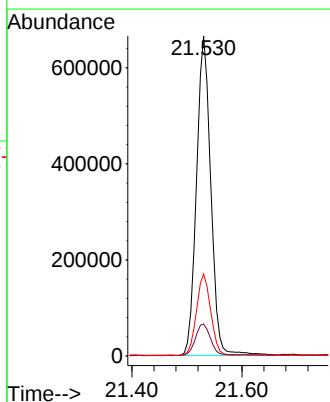
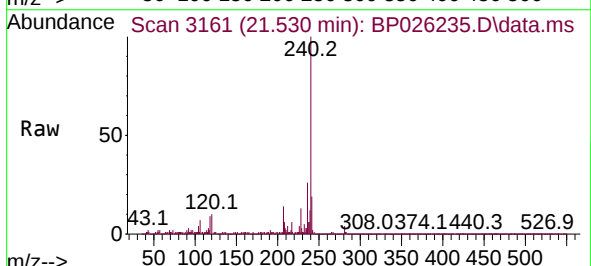
Manual Integrations
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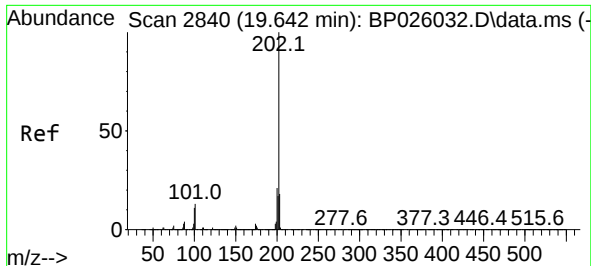
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.530 min Scan# 3161
Delta R.T. -0.041 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

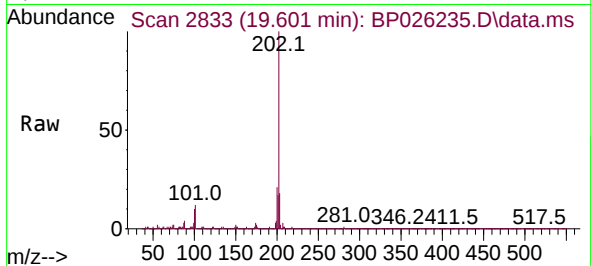
Tgt Ion:240 Resp: 1204285
Ion Ratio Lower Upper
240 100
120 10.0 9.0 13.4
236 25.6 20.4 30.6





#78
Pyrene
Concen: 10.817 ng
RT: 19.601 min Scan# 2833
Delta R.T. -0.041 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

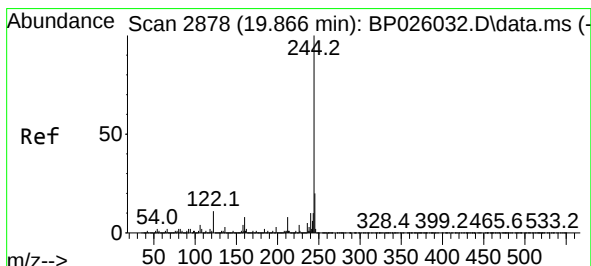
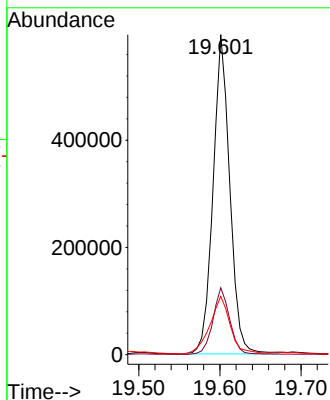
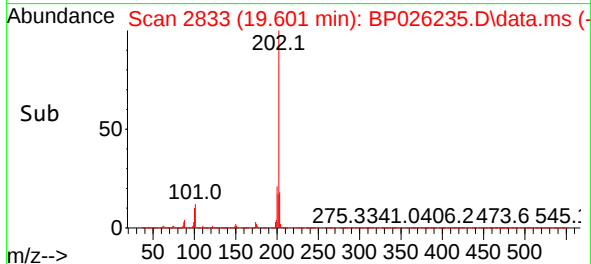
Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525



Tgt Ion:202 Resp: 854132
Ion Ratio Lower Upper
202 100
200 20.9 16.9 25.3
203 18.2 13.8 20.8

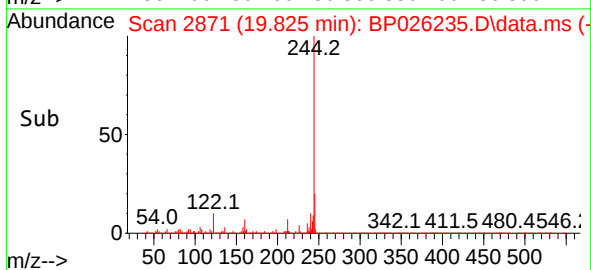
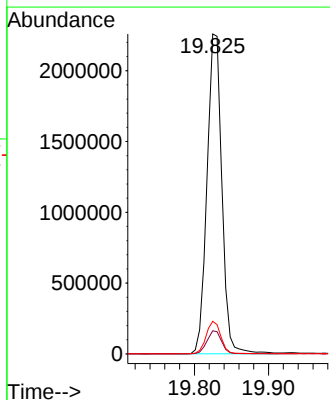
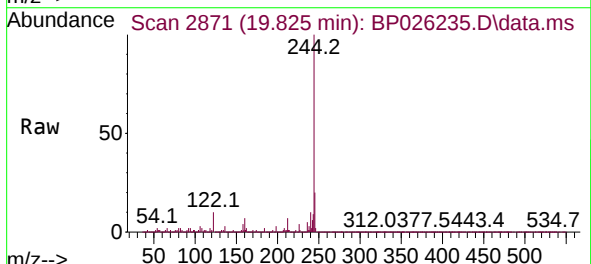
Manual Integrations
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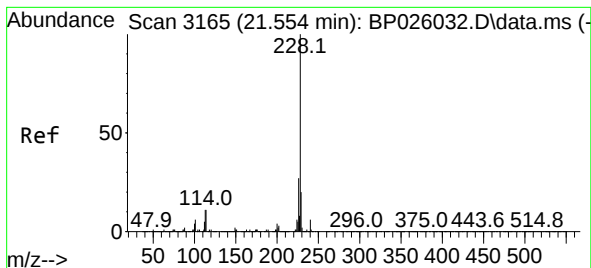
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#79
Terphenyl-d14
Concen: 53.542 ng
RT: 19.825 min Scan# 2871
Delta R.T. -0.047 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

Tgt Ion:244 Resp: 3162222
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 10.2 8.2 12.2





#81

Benzo(a)anthracene

Concen: 6.479 ng

RT: 21.513 min Scan# 3169

Delta R.T. -0.041 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

Instrument :

BNA_P

ClientSampleId :

B50-SP4-112525

Tgt Ion:228 Resp: 535889

Ion Ratio Lower Upper

228 100

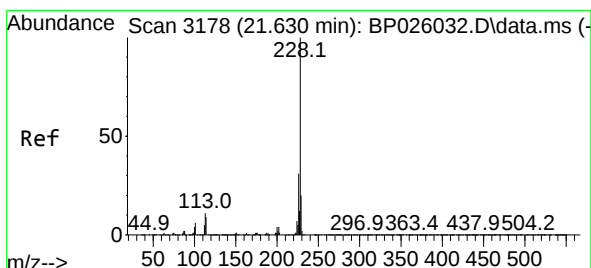
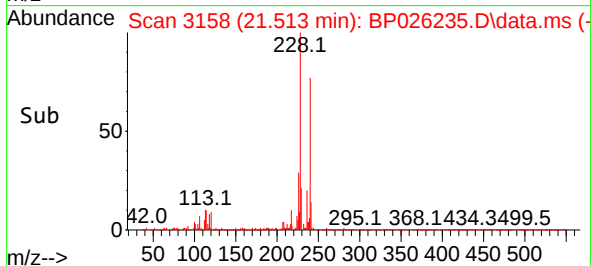
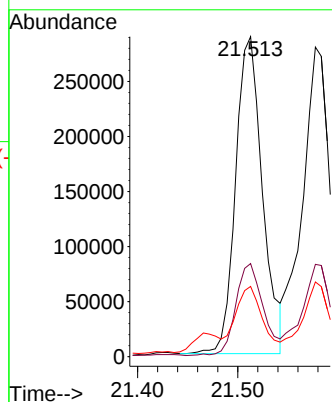
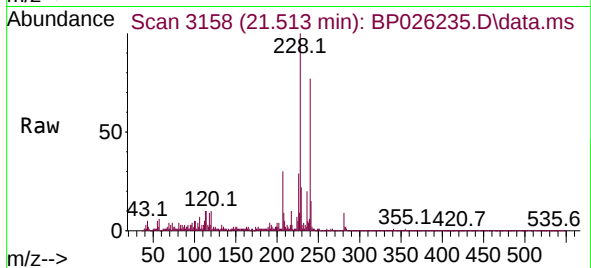
226 29.1 21.8 32.8

229 21.9 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#83

Chrysene

Concen: 6.869 ng m

RT: 21.577 min Scan# 3169

Delta R.T. -0.041 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

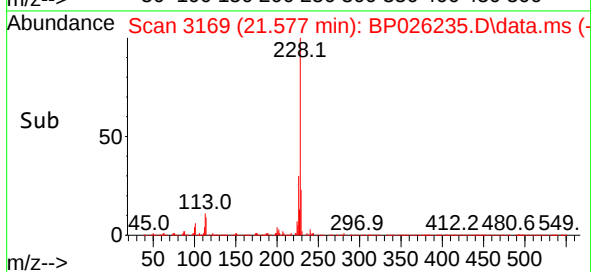
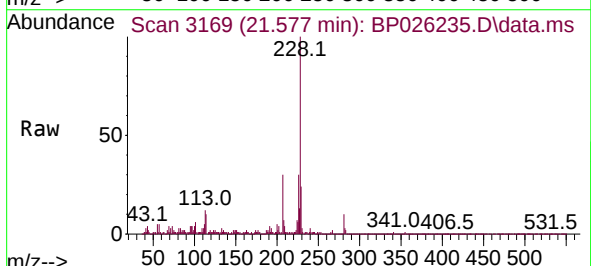
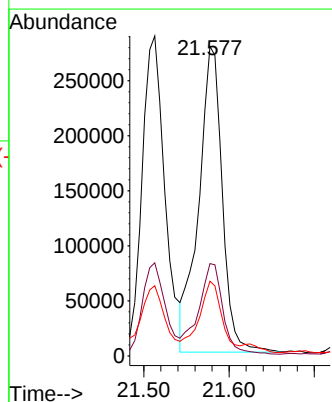
Tgt Ion:228 Resp: 535436

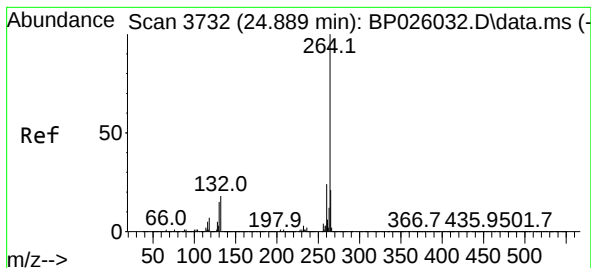
Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

229 24.1 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.824 min Scan# 31

Delta R.T. -0.082 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

Instrument :

BNA_P

ClientSampleId :

B50-SP4-112525

Tgt Ion:264 Resp: 1573376

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

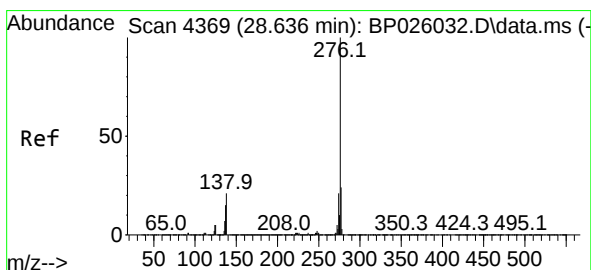
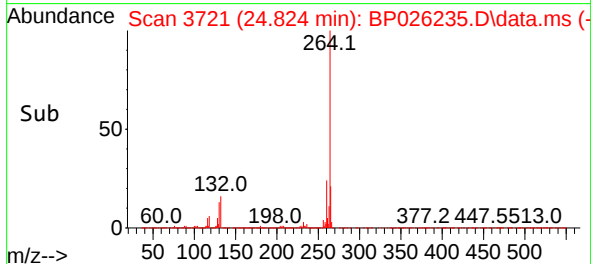
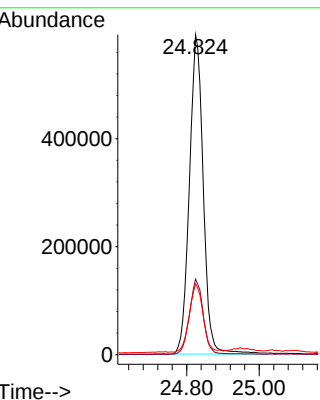
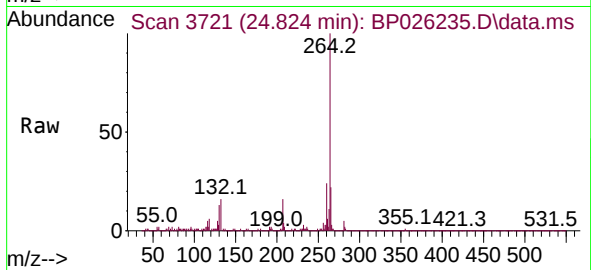
265 22.1 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025

Supervised By :mohammad ahmed 12/09/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.689 ng

RT: 28.554 min Scan# 4355

Delta R.T. -0.153 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

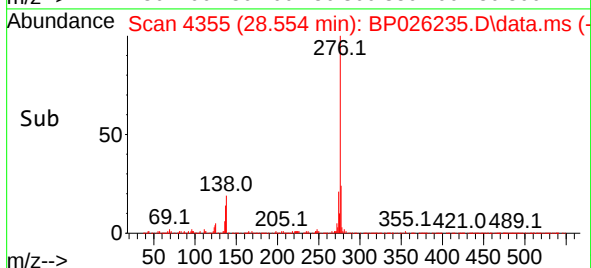
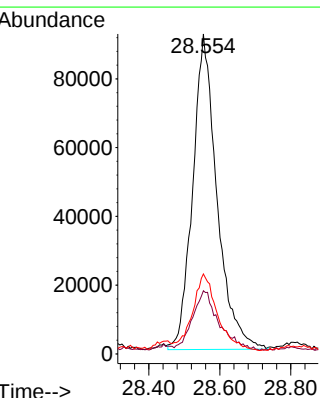
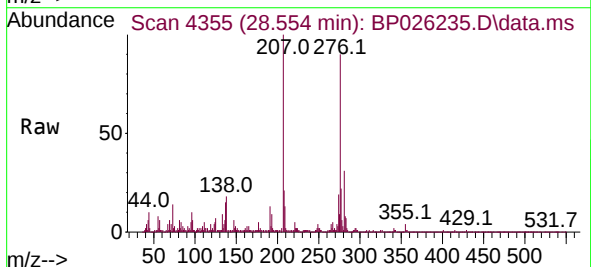
Tgt Ion:276 Resp: 435240

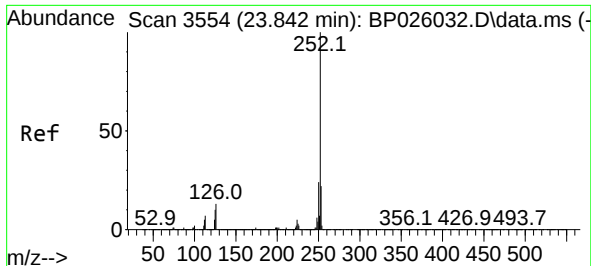
Ion Ratio Lower Upper

276 100

138 20.8 13.8 20.8#

277 24.9 16.7 25.1





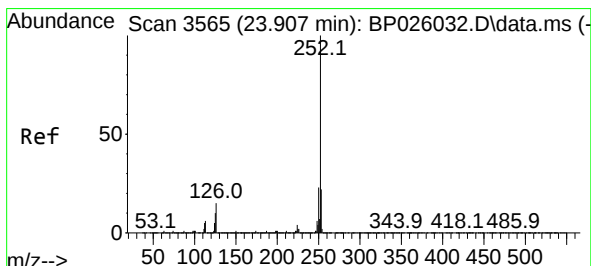
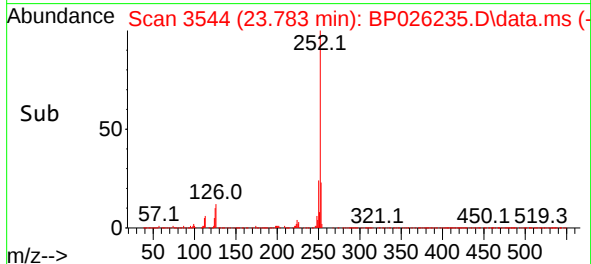
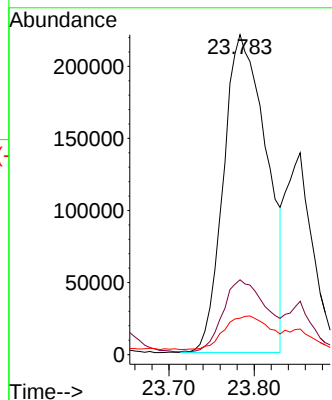
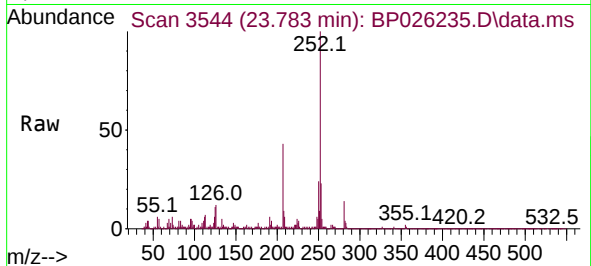
#88
Benzo(b)fluoranthene
Concen: 8.089 ng
RT: 23.783 min Scan# 3544
Delta R.T. -0.082 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

Instrument :
BNA_P
ClientSampleId :
B50-SP4-112525

Tgt Ion:252 Resp: 775086
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 11.4 8.2 12.4

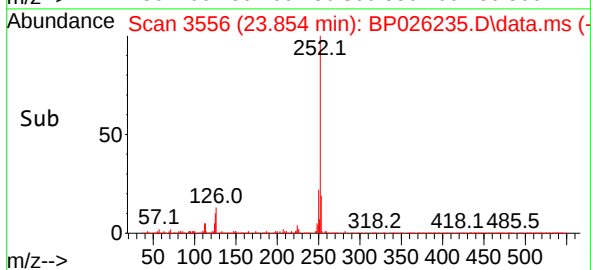
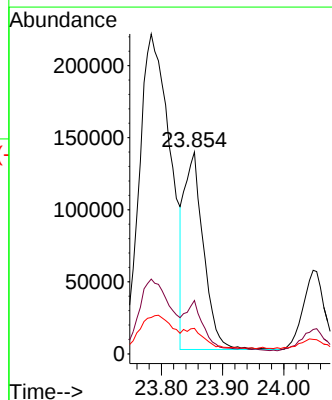
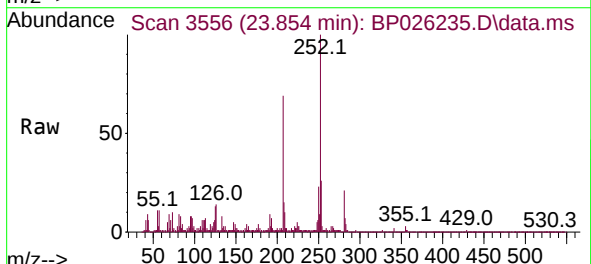
Manual Integrations
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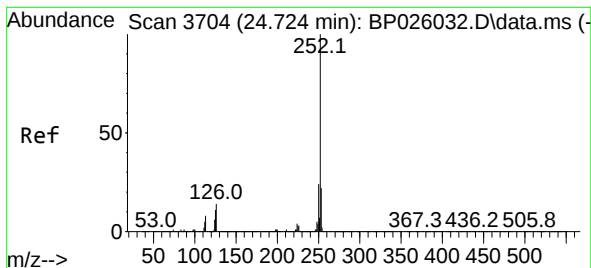
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#89
Benzo(k)fluoranthene
Concen: 3.145 ng m
RT: 23.854 min Scan# 3556
Delta R.T. -0.082 min
Lab File: BP026235.D
Acq: 03 Dec 2025 20:24

Tgt Ion:252 Resp: 300938
Ion Ratio Lower Upper
252 100
253 26.5 17.6 26.4#
125 12.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 7.246 ng

RT: 24.671 min Scan# 30

Delta R.T. -0.082 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

Instrument :

BNA_P

ClientSampleId :

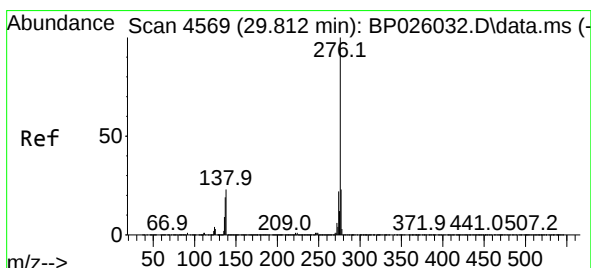
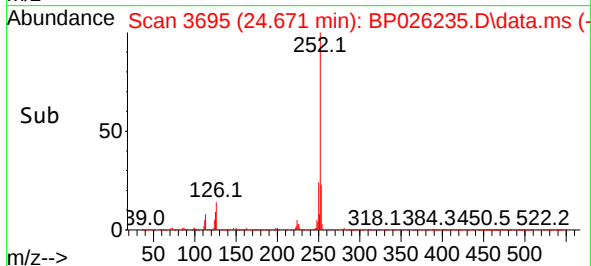
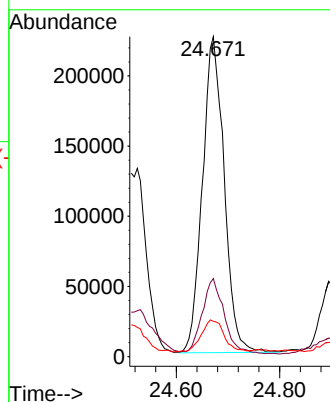
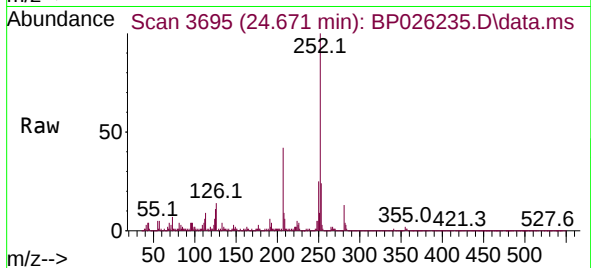
B50-SP4-112525

Tgt Ion:	252	Resp:	657636
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.4	26.2
125	11.0	9.0	13.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#92

Benzo(g,h,i)perylene

Concen: 4.293 ng

RT: 29.712 min Scan# 4552

Delta R.T. -0.170 min

Lab File: BP026235.D

Acq: 03 Dec 2025 20:24

Tgt Ion:	276	Resp:	412184
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.8	28.2
138	19.6	17.8	26.6

