

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120325\
 Data File : BP026227.D
 Acq On : 03 Dec 2025 14:56
 Operator : RC/JU
 Sample : Q3741-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B50-SP11-112525

Manual Integrations
 APPROVED

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

Quant Time: Dec 03 15:24:32 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	319635	20.000	ng	-0.01
21) Naphthalene-d8	10.419	136	1223619	20.000	ng	-0.03
39) Acenaphthene-d10	14.290	164	711475	20.000	ng	-0.04
64) Phenanthrene-d10	17.101	188	1217451	20.000	ng	-0.03
76) Chrysene-d12	21.530	240	1263324	20.000	ng	-0.04
86) Perylene-d12	24.830	264	1598655	20.000	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.284	112	591149	29.685	ng	0.00
7) Phenol-d6	6.843	99	1158202	45.685	ng	-0.01
23) Nitrobenzene-d5	8.796	82	1037839	48.178	ng	-0.02
42) 2,4,6-Tribromophenol	15.801	330	218358	23.659	ng	-0.04
45) 2-Fluorobiphenyl	12.901	172	2534177	52.202	ng	-0.03
79) Terphenyl-d14	19.830	244	3060533	49.398	ng	-0.04
Target Compounds						Qvalue
31) Naphthalene	10.472	128	514603	7.782	ng	99
37) 2-Methylnaphthalene	12.084	142	405157	8.642	ng	98
38) 1-Methylnaphthalene	12.301	142	184254	4.021	ng	98
71) Phenanthrene	17.137	178	536696	7.826	ng	100
75) Fluoranthene	19.225	202	668957	8.028	ng	100
78) Pyrene	19.601	202	609299	7.356	ng	98
81) Benzo(a)anthracene	21.507	228	319270	3.680	ng	96
83) Chrysene	21.583	228	367080m	4.489	ng	
87) Indeno(1,2,3-cd)pyrene	28.571	276	239878	2.001	ng	# 90
88) Benzo(b)fluoranthene	23.801	252	455383	4.678	ng	# 90
90) Benzo(a)pyrene	24.677	252	325535	3.530	ng	# 91
92) Benzo(g,h,i)perylene	29.724	276	253062	2.594	ng	98

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

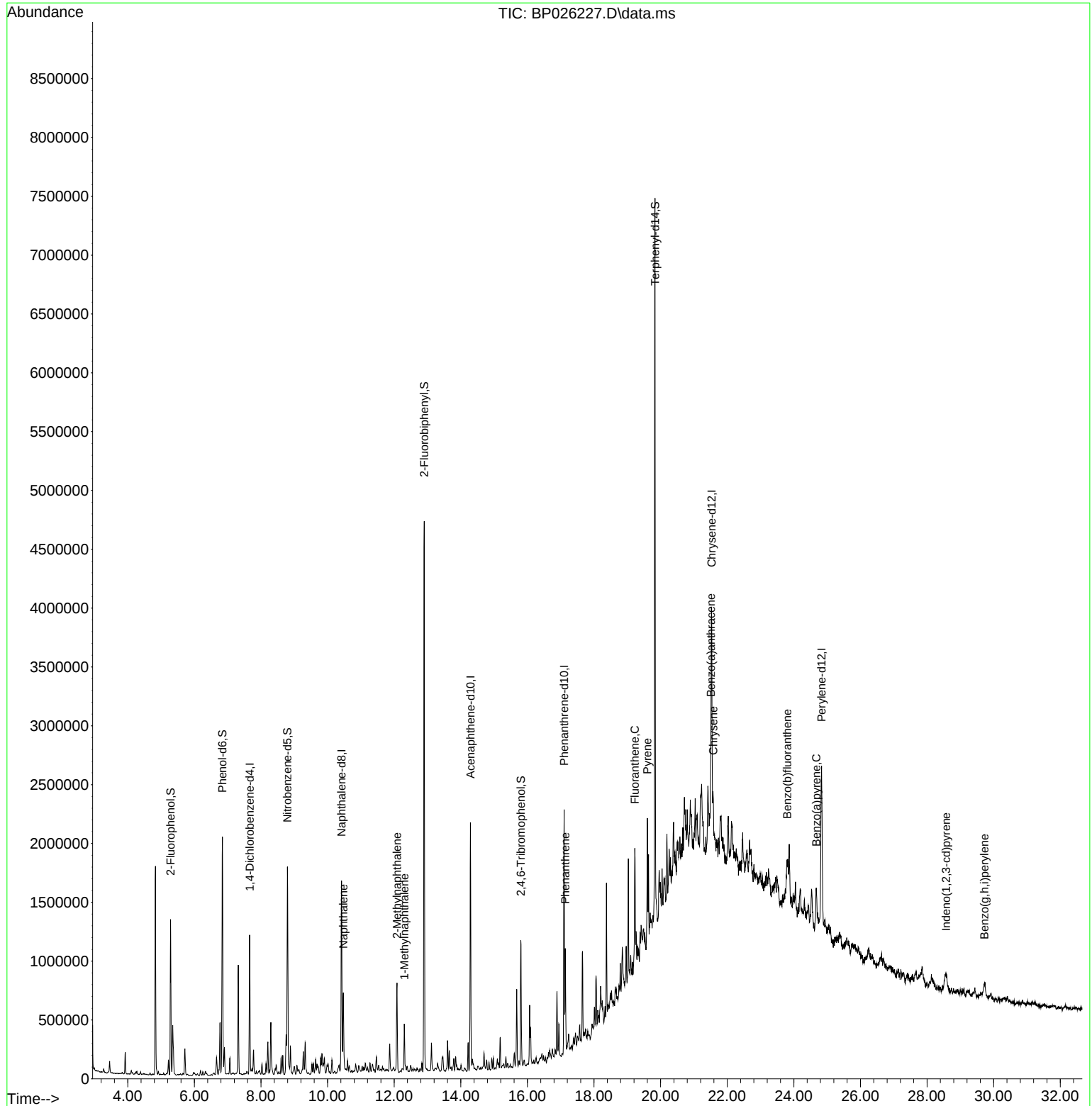
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120325\
Data File : BP026227.D
Acq On : 03 Dec 2025 14:56
Operator : RC/JU
Sample : Q3741-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

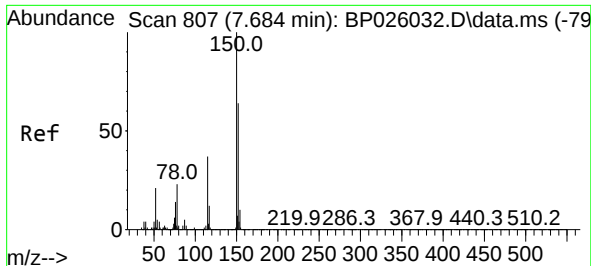
Instrument :
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B50-SP11-112525

Quant Time: Dec 03 15:24:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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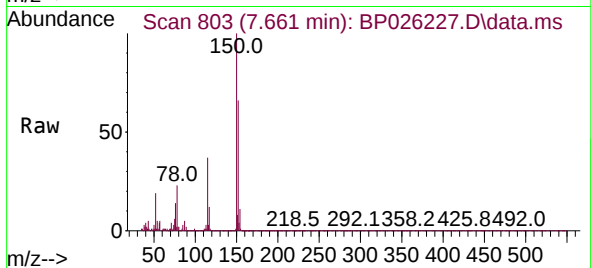
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.661 min Scan# 807
Delta R.T. -0.011 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

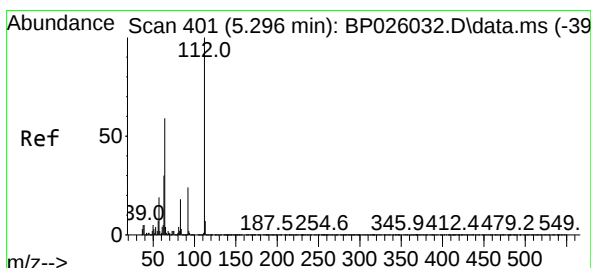
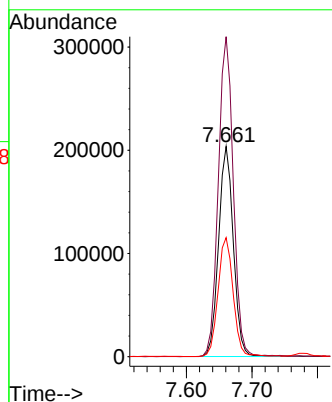
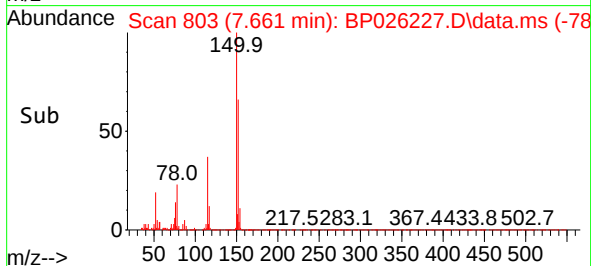
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525



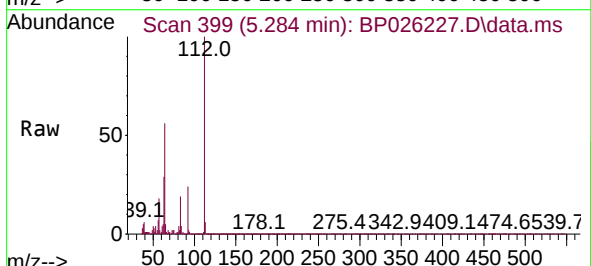
Tgt Ion:152 Resp: 319635
Ion Ratio Lower Upper
152 100
150 152.2 123.0 184.6
115 56.6 46.3 69.5

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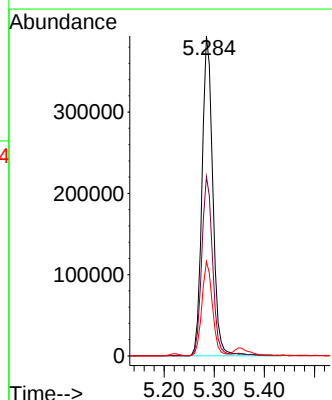
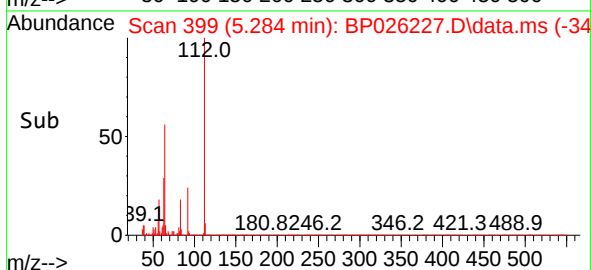
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#5
2-Fluorophenol
Concen: 29.685 ng
RT: 5.284 min Scan# 399
Delta R.T. -0.006 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56



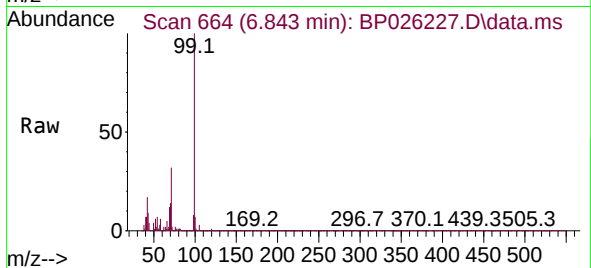
Tgt Ion:112 Resp: 591149
Ion Ratio Lower Upper
112 100
64 56.0 45.8 68.6
63 29.5 23.5 35.3





#7
Phenol-d6
Concen: 45.685 ng
RT: 6.843 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

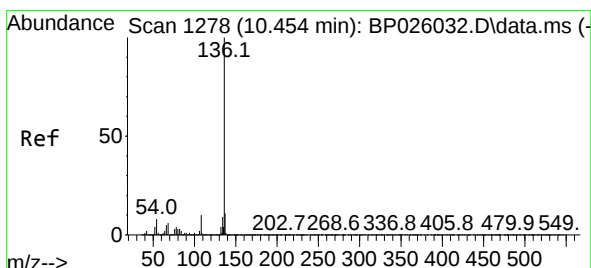
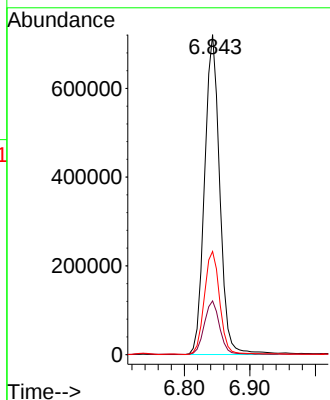
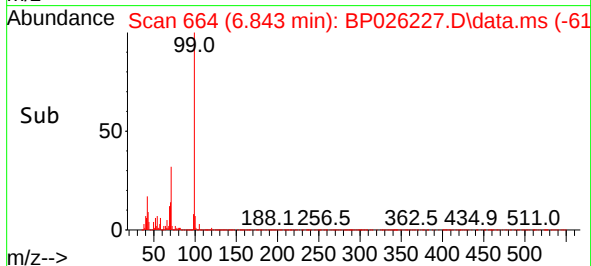
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525



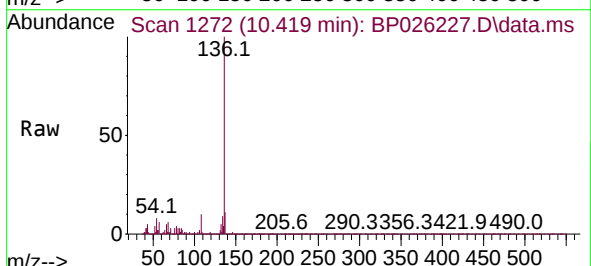
Tgt Ion: 99 Resp: 115820
Ion Ratio Lower Upper
99 100
42 16.8 12.9 19.3
71 32.2 24.8 37.2

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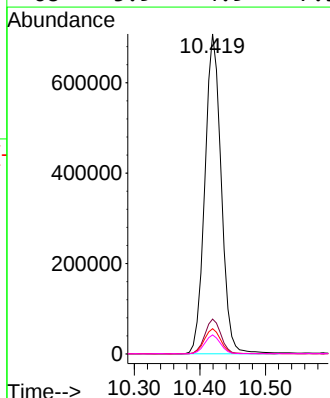
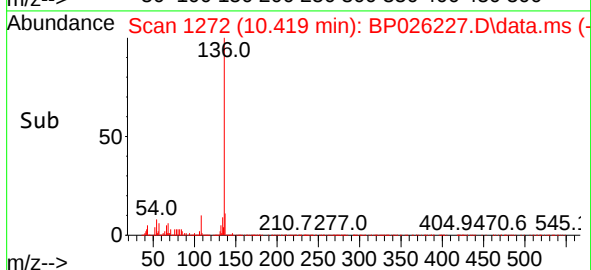
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

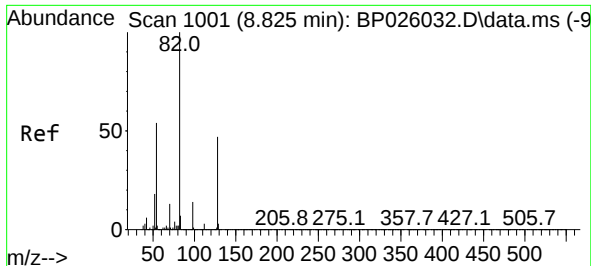


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.419 min Scan# 1272
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56



Tgt Ion:136 Resp: 1223619
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 7.9 6.4 9.6
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 48.178 ng

RT: 8.796 min Scan# 99

Delta R.T. -0.017 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

Tgt Ion: 82 Resp: 1037839

Ion Ratio Lower Upper

82 100

128 47.2 37.4 56.0

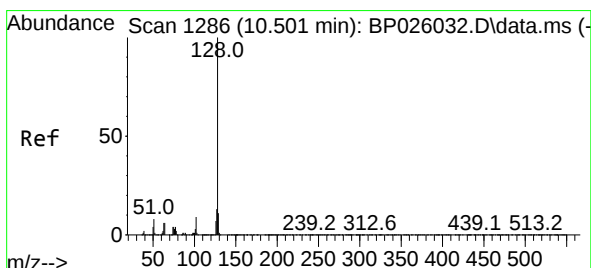
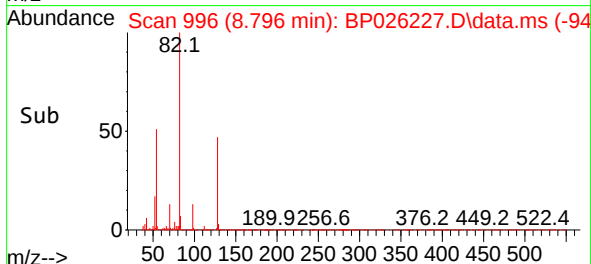
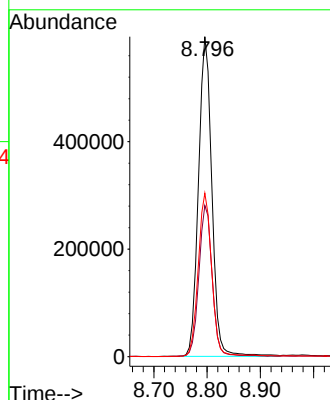
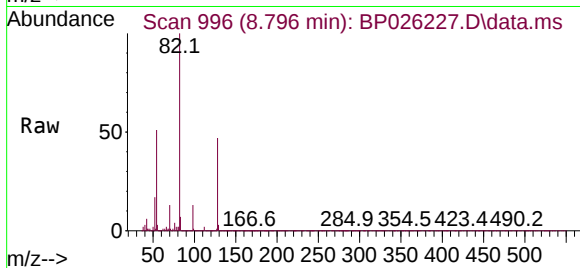
54 51.1 41.6 62.4

Manual Integrations

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#31

Naphthalene

Concen: 7.782 ng

RT: 10.472 min Scan# 1281

Delta R.T. -0.023 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

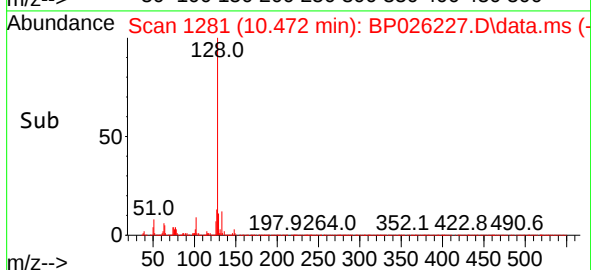
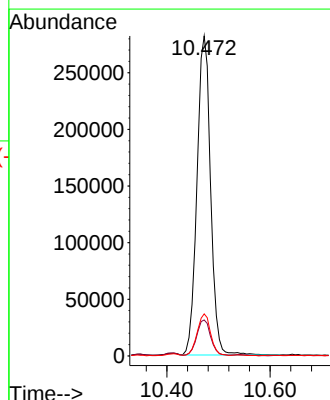
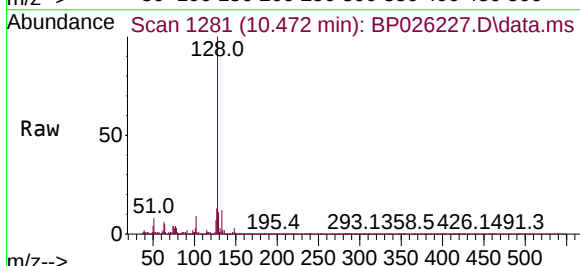
Tgt Ion:128 Resp: 514603

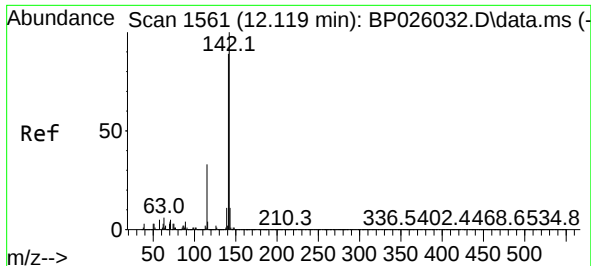
Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

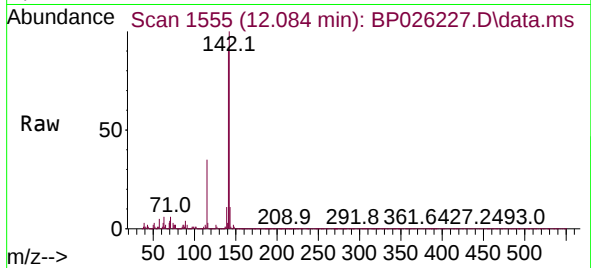
127 13.1 10.2 15.4





#37
2-Methylnaphthalene
Concen: 8.642 ng
RT: 12.084 min Scan# 1555
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

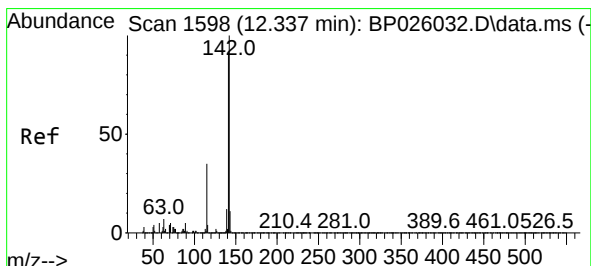
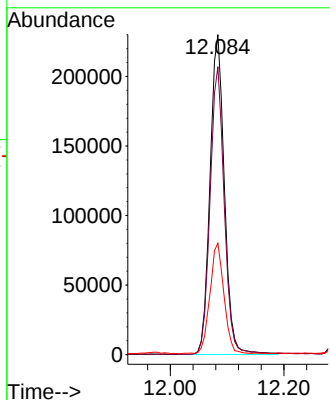
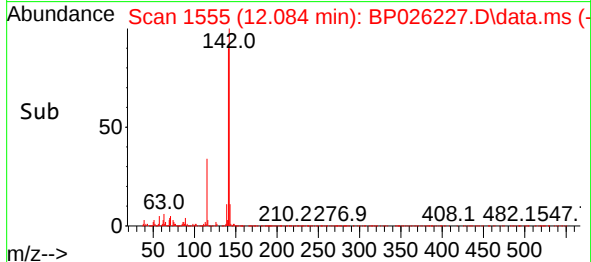
Instrument :
BNA_P
ClientSampleId :
B50-SP11-112525



Tgt Ion:142 Resp: 40515
Ion Ratio Lower Upper
142 100
141 90.0 71.0 106.6
115 34.8 26.6 39.8

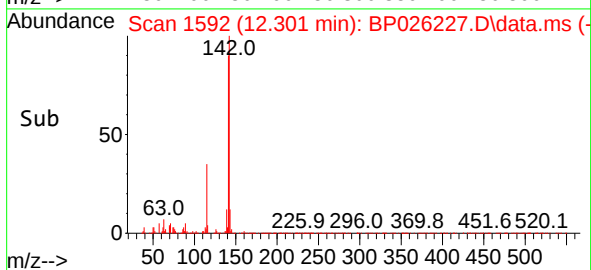
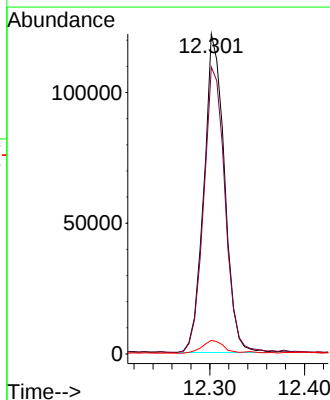
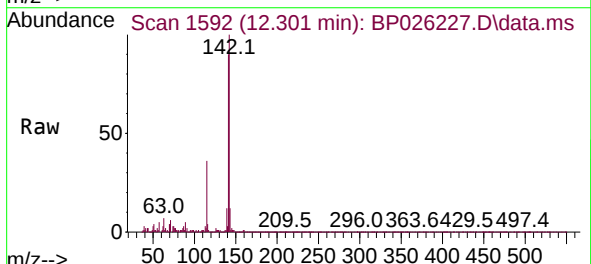
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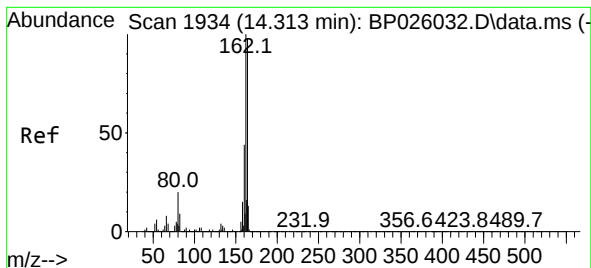
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#38
1-Methylnaphthalene
Concen: 4.021 ng
RT: 12.301 min Scan# 1592
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

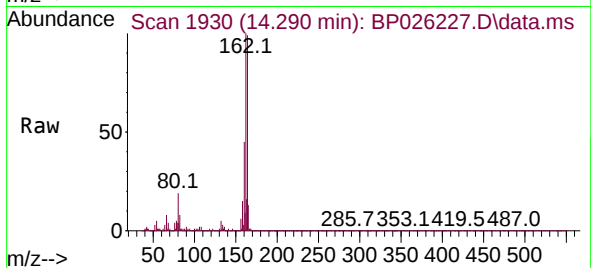
Tgt Ion:142 Resp: 184254
Ion Ratio Lower Upper
142 100
141 89.6 73.5 110.3
116 4.2 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.290 min Scan# 1934
Delta R.T. -0.035 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

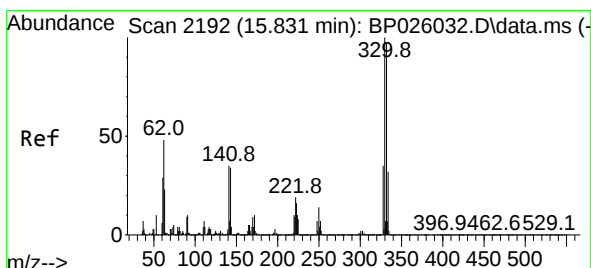
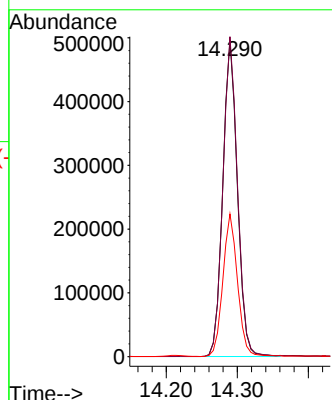
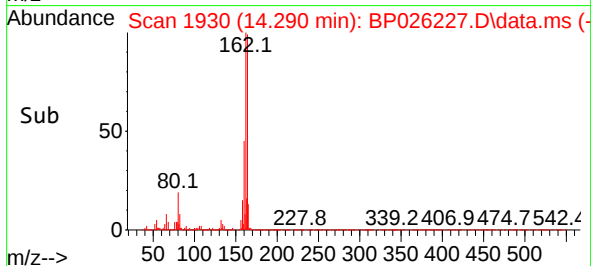
Instrument :
BNA_P
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B50-SP11-112525



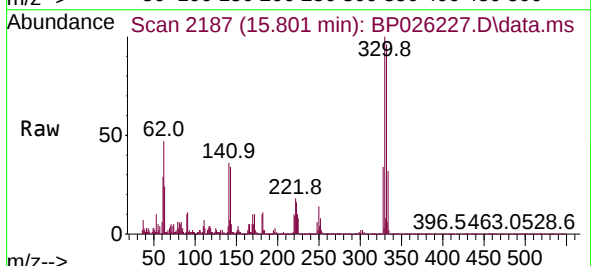
Tgt Ion:164 Resp: 711475
Ion Ratio Lower Upper
164 100
162 101.1 80.3 120.5
160 45.1 35.2 52.8

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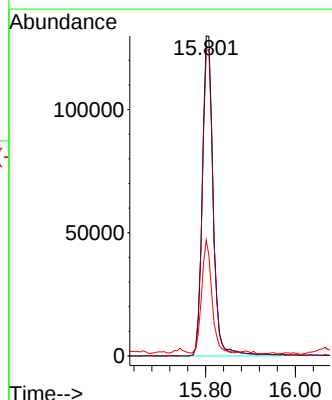
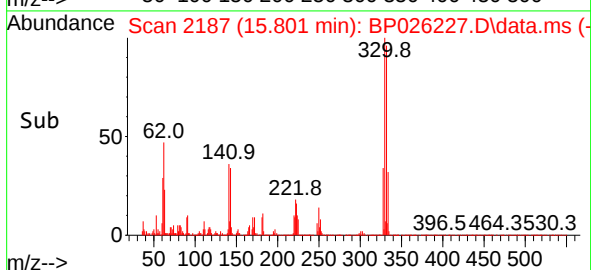
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025

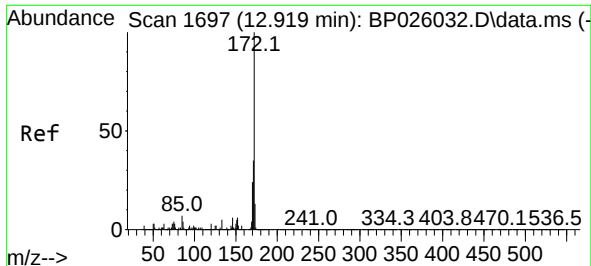


#42
2,4,6-Tribromophenol
Concen: 23.659 ng
RT: 15.801 min Scan# 2187
Delta R.T. -0.035 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56



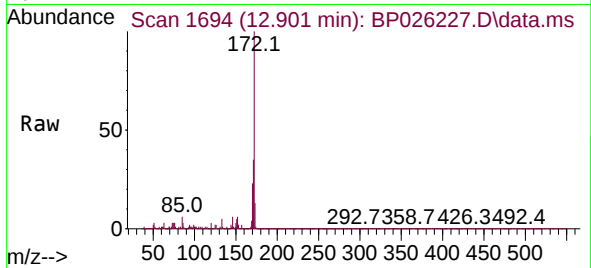
Tgt Ion:330 Resp: 218358
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 33.3 26.8 40.2





#45
2-Fluorobiphenyl
Concen: 52.202 ng
RT: 12.901 min Scan# 1697
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

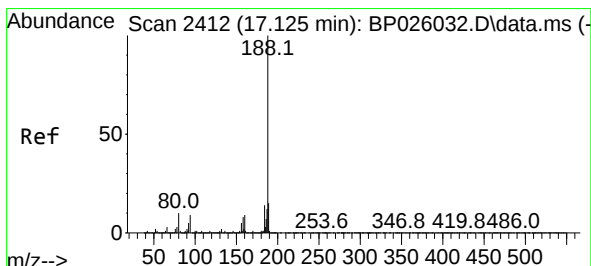
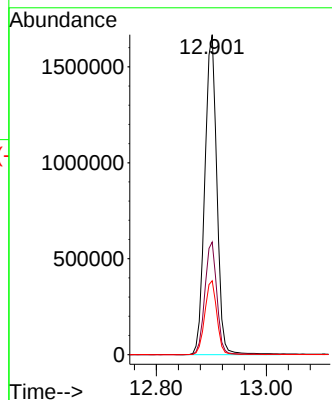
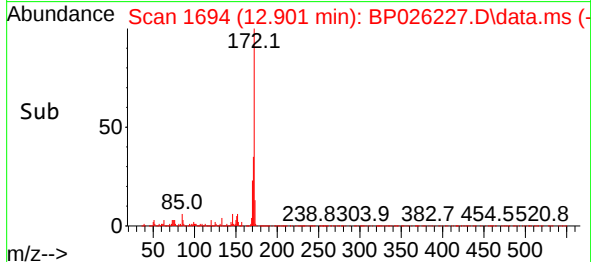
Instrument :
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B50-SP11-112525



Tgt Ion:172 Resp: 253417
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.1 18.7 28.1

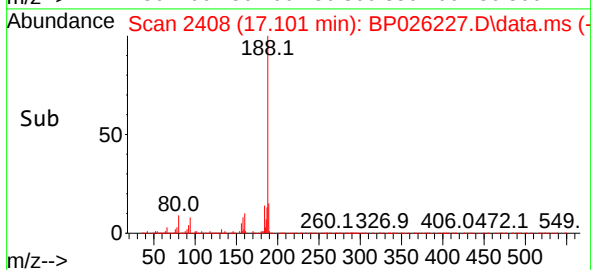
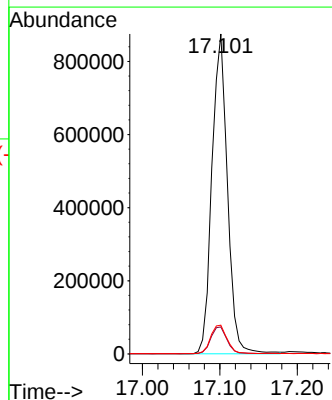
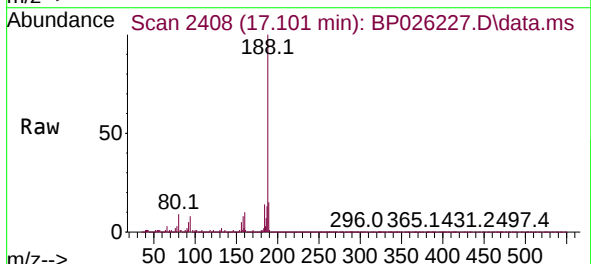
Manual Integrations
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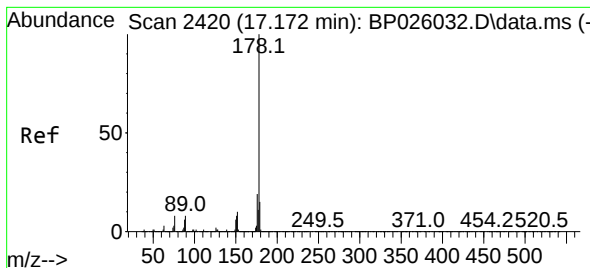
Reviewed By :Jagrut Upadhyay 12/04/2025
Supervised By :mohammad ahmed 12/09/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.101 min Scan# 2408
Delta R.T. -0.029 min
Lab File: BP026227.D
Acq: 03 Dec 2025 14:56

Tgt Ion:188 Resp: 1217451
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.0 8.2 12.2





#71

Phenanthrene

Concen: 7.826 ng

RT: 17.137 min Scan# 24

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

Tgt Ion:178 Resp: 536696

Ion Ratio Lower Upper

178 100

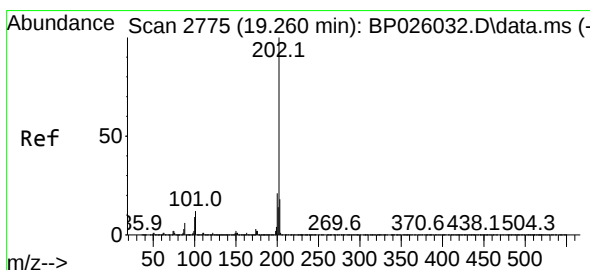
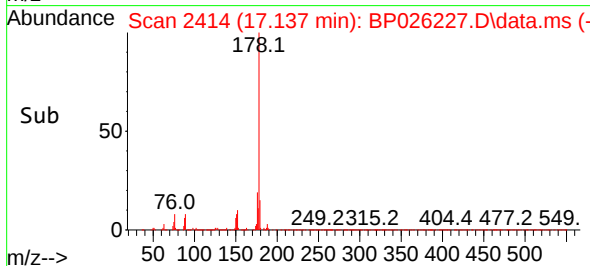
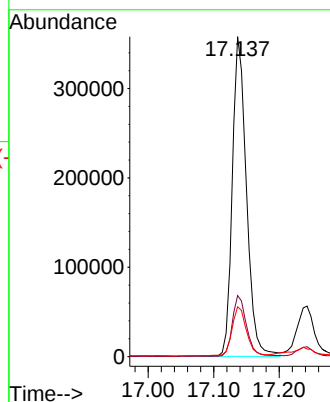
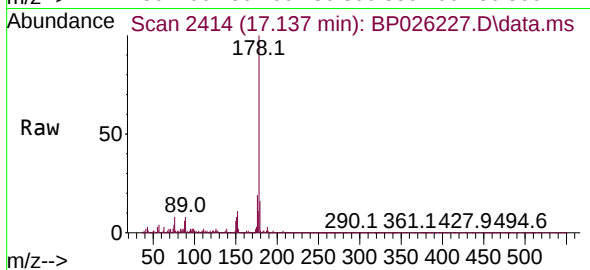
176 19.1 15.4 23.2

179 15.6 12.4 18.6

Manual Integrations

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



#75

Fluoranthene

Concen: 8.028 ng

RT: 19.225 min Scan# 2769

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

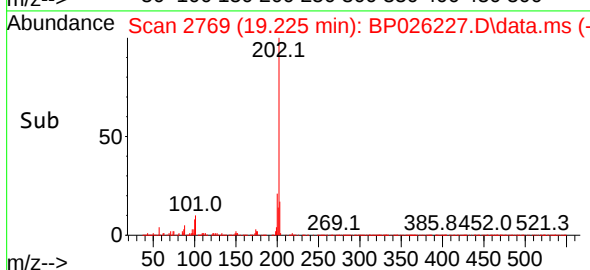
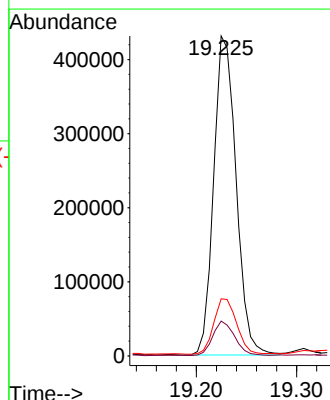
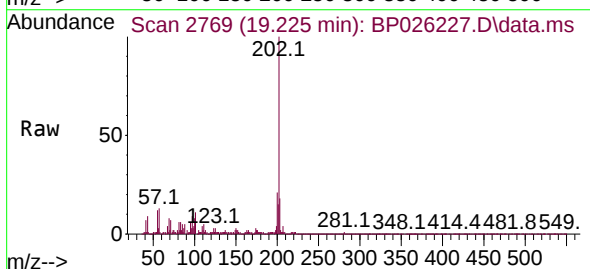
Tgt Ion:202 Resp: 668957

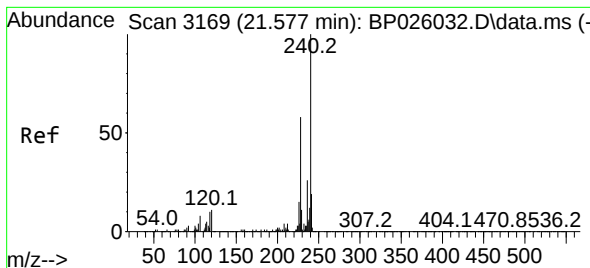
Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.2

203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.530 min Scan# 3161

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

Tgt Ion:240 Resp: 1263324

Ion Ratio Lower Upper

240 100

120 10.7 9.0 13.4

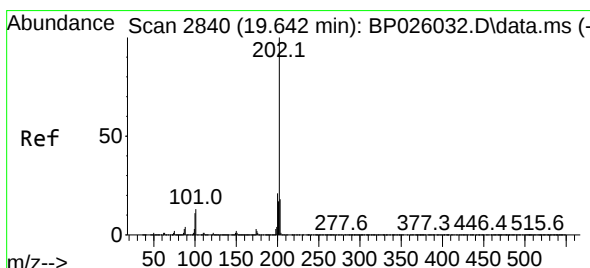
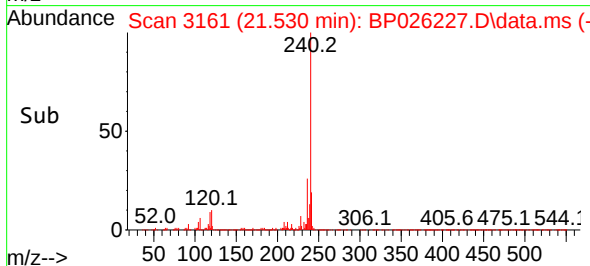
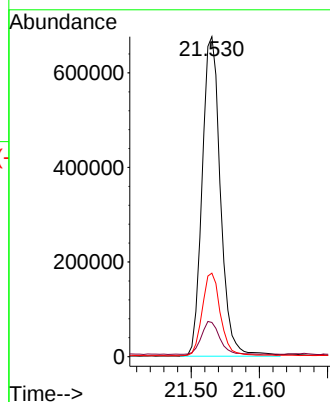
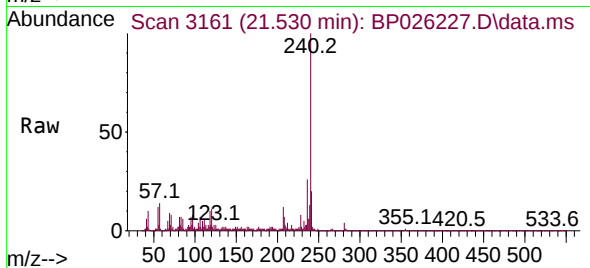
236 26.1 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2025

Supervised By :mohammad ahmed 12/09/2025



#78

Pyrene

Concen: 7.356 ng

RT: 19.601 min Scan# 2833

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

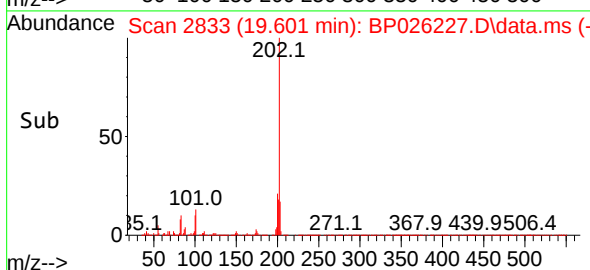
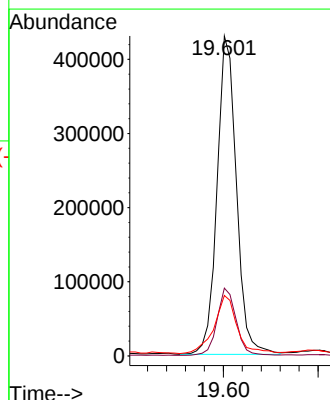
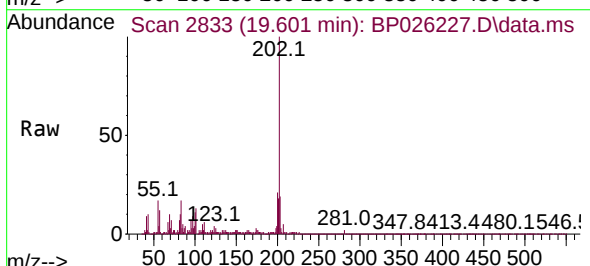
Tgt Ion:202 Resp: 609299

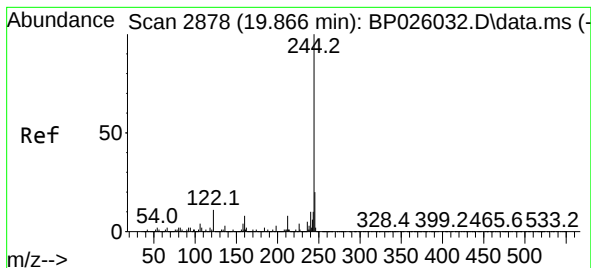
Ion Ratio Lower Upper

202 100

200 21.2 16.9 25.3

203 18.9 13.8 20.8





#79

Terphenyl-d14

Concen: 49.398 ng

RT: 19.830 min Scan# 2878

Delta R.T. -0.041 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

Tgt Ion:244 Resp: 306053

Ion Ratio Lower Upper

244 100

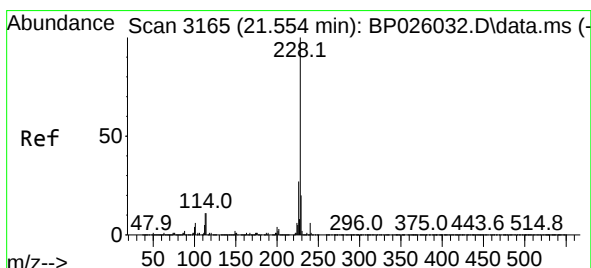
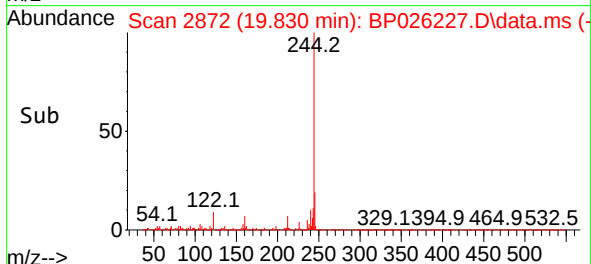
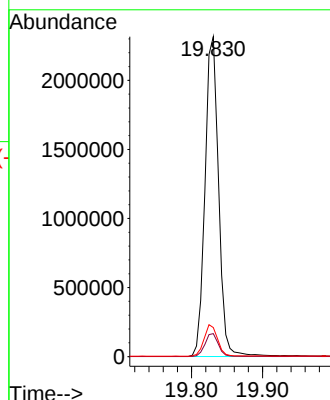
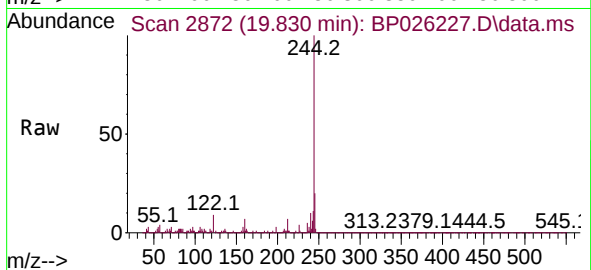
212 7.2 5.8 8.8

122 9.1 8.2 12.2

Manual Integrations

APPROVED

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



#81

Benzo(a)anthracene

Concen: 3.680 ng

RT: 21.507 min Scan# 3157

Delta R.T. -0.047 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

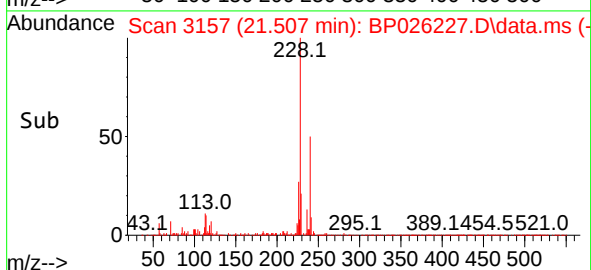
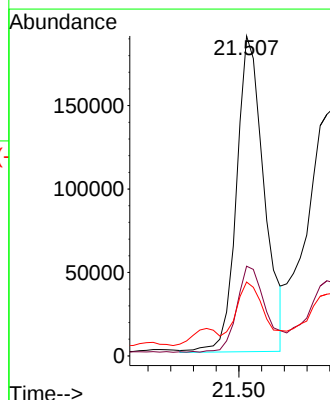
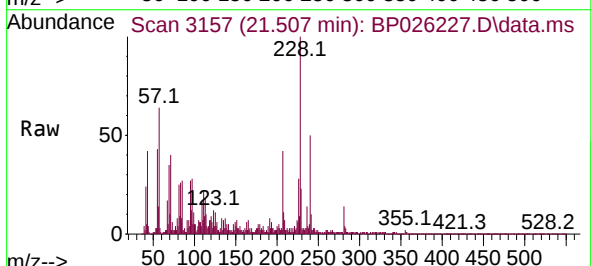
Tgt Ion:228 Resp: 319270

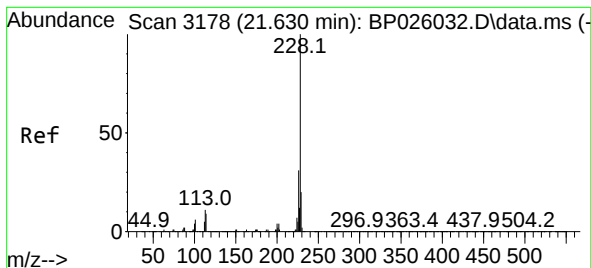
Ion Ratio Lower Upper

228 100

226 28.0 21.8 32.8

229 23.1 15.9 23.9





#83

Chrysene

Concen: 4.489 ng m

RT: 21.583 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

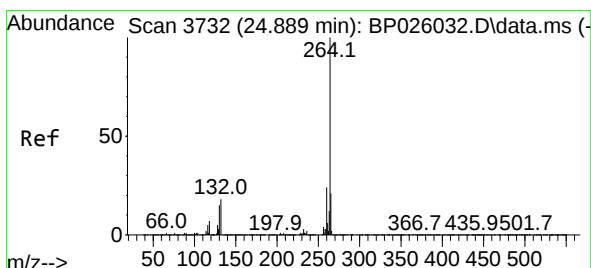
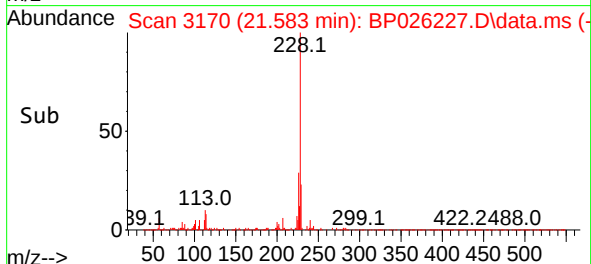
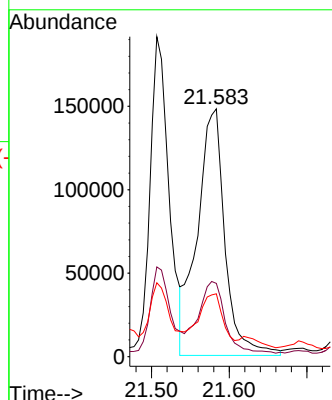
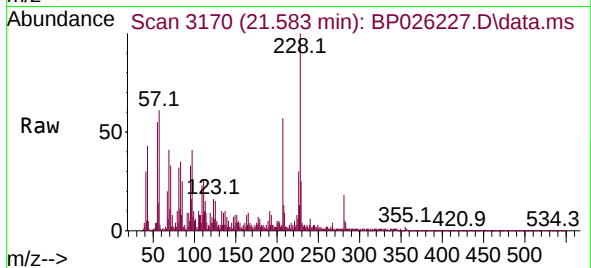
Tgt Ion:228 Resp: 367080

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	25.3	15.9	23.9

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.830 min Scan# 3722

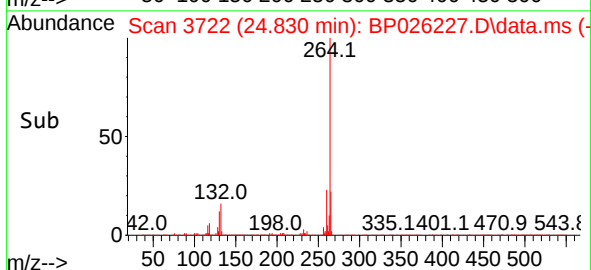
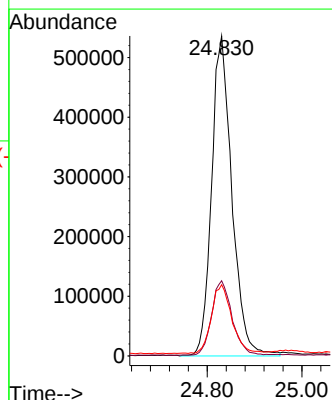
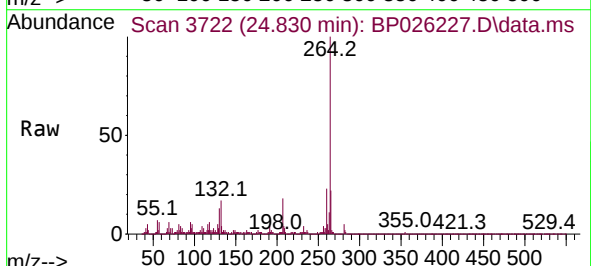
Delta R.T. -0.076 min

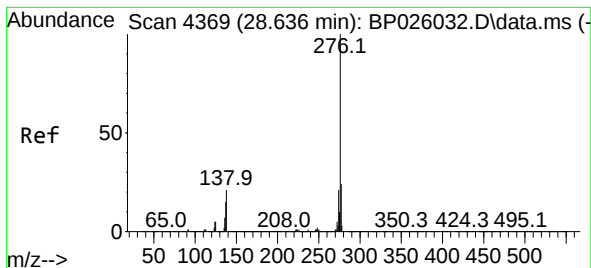
Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Tgt Ion:264 Resp: 1598655

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	22.2	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.001 ng

RT: 28.571 min Scan# 4369

Delta R.T. -0.135 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

B50-SP11-112525

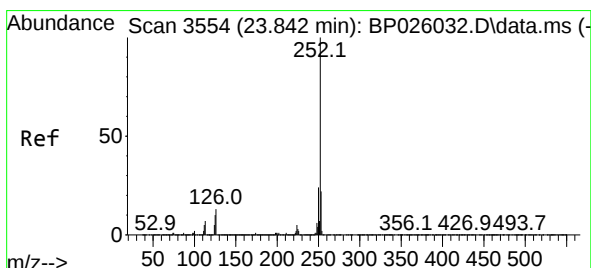
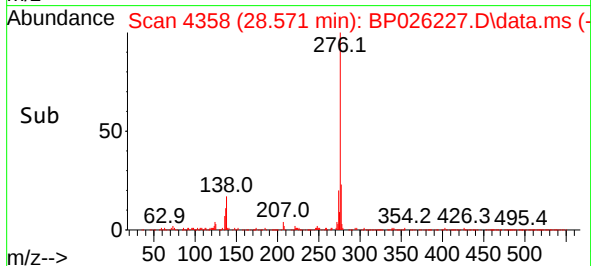
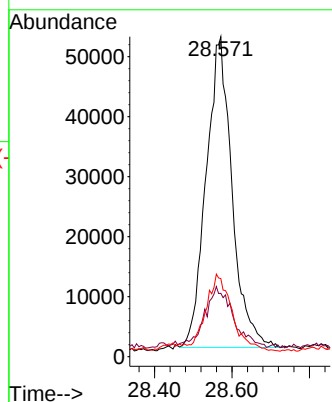
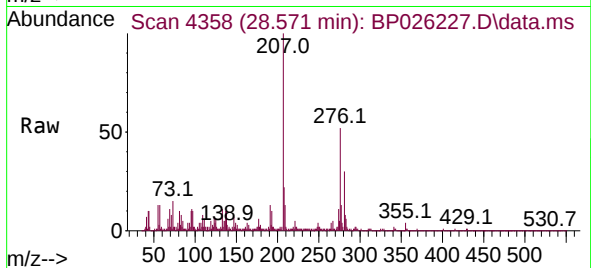
Tgt Ion: 276 Resp: 239878

Ion	Ratio	Lower	Upper
276	100		
138	22.4	13.8	20.8
277	25.0	16.7	25.1

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 4.678 ng

RT: 23.801 min Scan# 3547

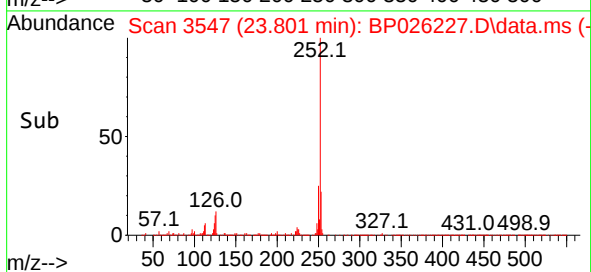
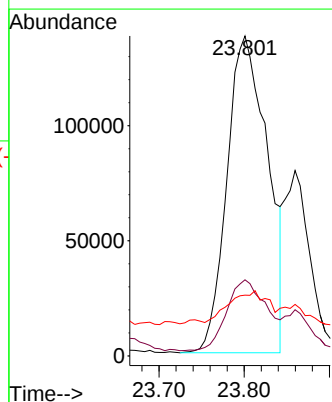
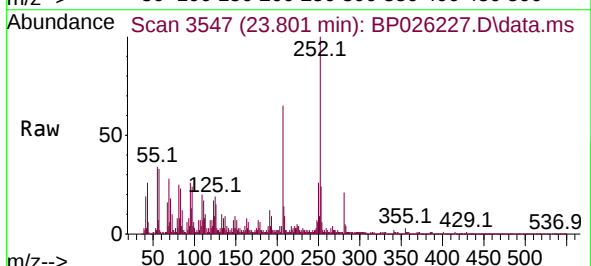
Delta R.T. -0.064 min

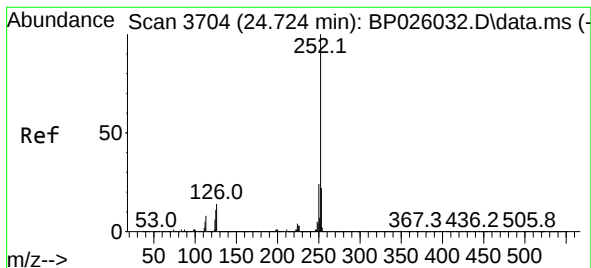
Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Tgt Ion: 252 Resp: 455383

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	19.0	8.2	12.4





#90

Benzo(a)pyrene

Concen: 3.530 ng

RT: 24.677 min Scan# 30

Delta R.T. -0.076 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Instrument :

BNA_P

ClientSampleId :

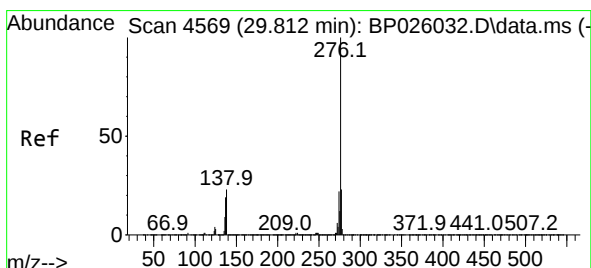
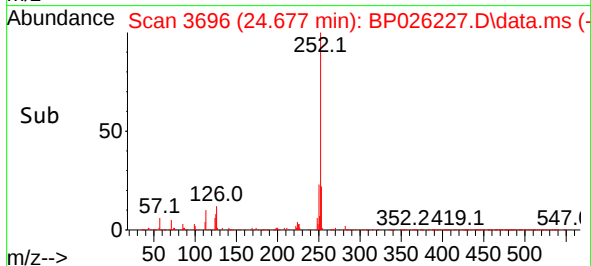
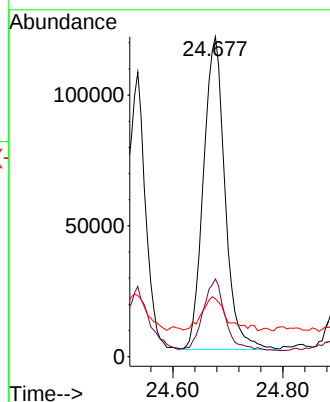
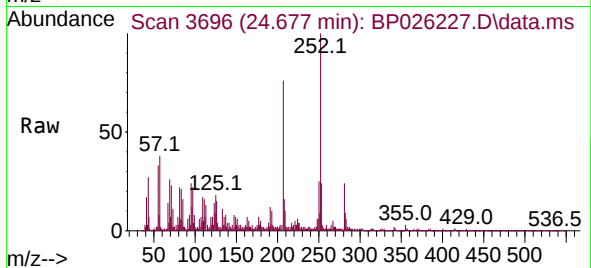
B50-SP11-112525

Tgt Ion:	252	Resp:	325535
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.4	26.2
125	18.1	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: 2.594 ng

RT: 29.724 min Scan# 4554

Delta R.T. -0.159 min

Lab File: BP026227.D

Acq: 03 Dec 2025 14:56

Tgt Ion:	276	Resp:	253062
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.8	28.2
138	22.3	17.8	26.6

