

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121025\
 Data File : BP026288.D
 Acq On : 10 Dec 2025 23:22
 Operator : RC/JU
 Sample : Q3826-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Quant Time: Dec 11 03:09:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 05 14:52:44 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/11/2025
 Supervised By :Sohil Jodhani 12/12/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	203256	20.000	ng	0.00
21) Naphthalene-d8	10.413	136	789362	20.000	ng	0.00
39) Acenaphthene-d10	14.278	164	495261	20.000	ng	-0.01
64) Phenanthrene-d10	17.089	188	1005005	20.000	ng	0.00
76) Chrysene-d12	21.542	240	1176066	20.000	ng	0.00
86) Perylene-d12	24.842	264	1403027	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	1044263	82.598	ng	0.00
7) Phenol-d6	6.831	99	1271001	79.643	ng	0.00
23) Nitrobenzene-d5	8.784	82	739715	53.340	ng	0.00
42) 2,4,6-Tribromophenol	15.807	330	572151	88.834	ng	0.00
45) 2-Fluorobiphenyl	12.890	172	1563263	45.891	ng	-0.01
79) Terphenyl-d14	19.836	244	2574062	44.735	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.136	178	332470	5.868	ng	99
75) Fluoranthene	19.224	202	1487657	21.575	ng	98
78) Pyrene	19.607	202	1216185	15.869	ng	99
81) Benzo(a)anthracene	21.524	228	564234	6.994	ng	97
83) Chrysene	21.589	228	869744	11.386	ng	99
87) Indeno(1,2,3-cd)pyrene	28.571	276	629168	5.934	ng	93
88) Benzo(b)fluoranthene	23.789	252	1225037	14.367	ng	99
89) Benzo(k)fluoranthene	23.854	252	396147m	4.644	ng	
90) Benzo(a)pyrene	24.683	252	697255	8.623	ng	98
92) Benzo(g,h,i)perylene	29.724	276	600274	6.943	ng	99

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

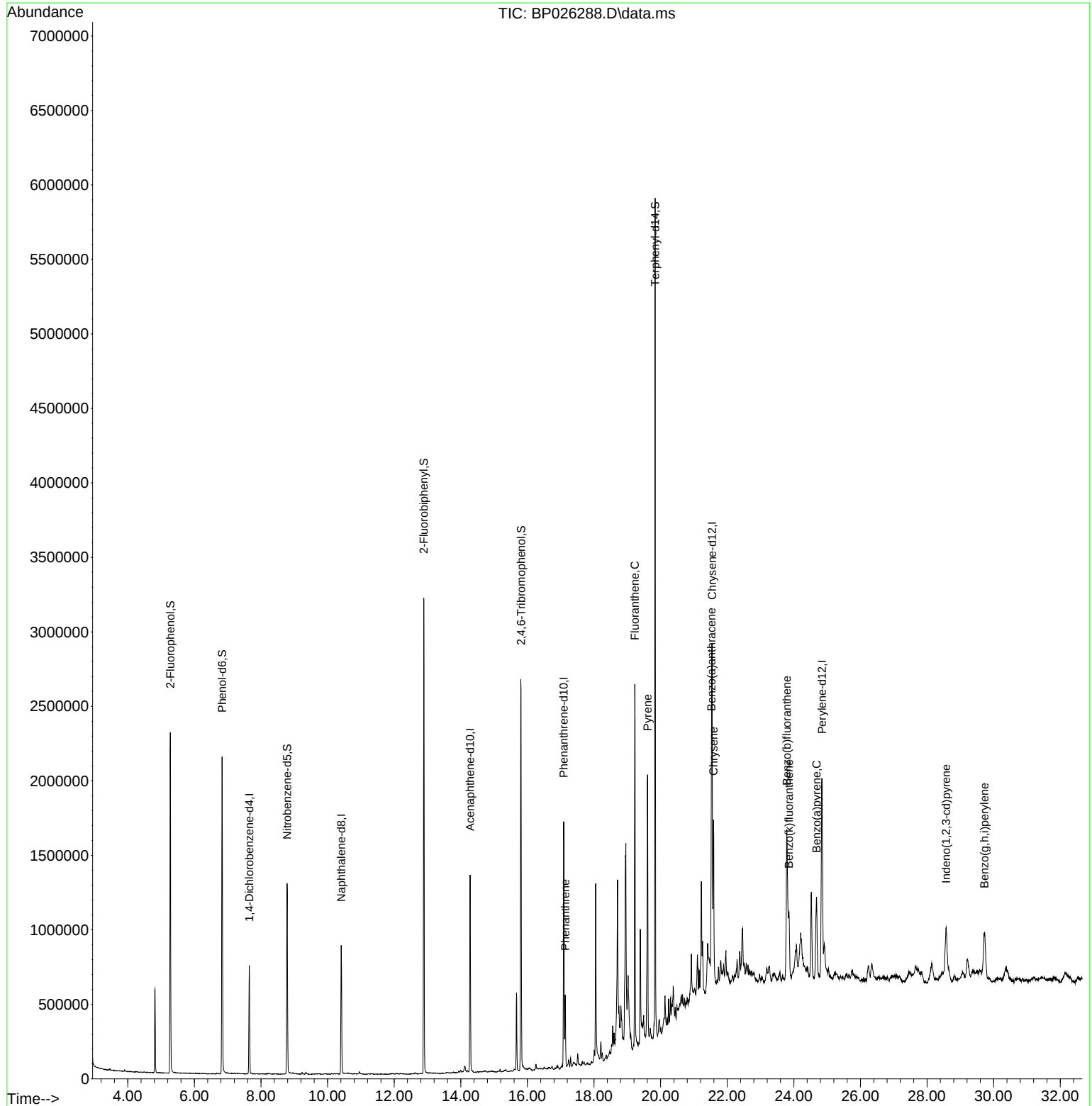
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Data File : BP026288.D
Acq On : 10 Dec 2025 23:22
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ALS Vial : 16 Sample Multiplier: 1

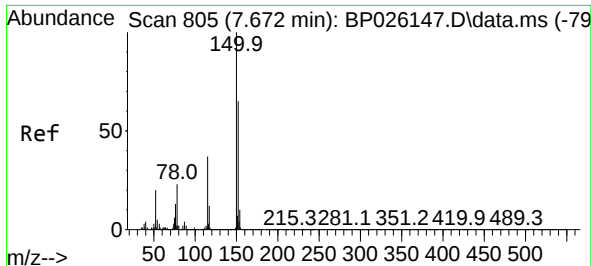
Instrument :
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TP-3

Quant Time: Dec 11 03:09:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
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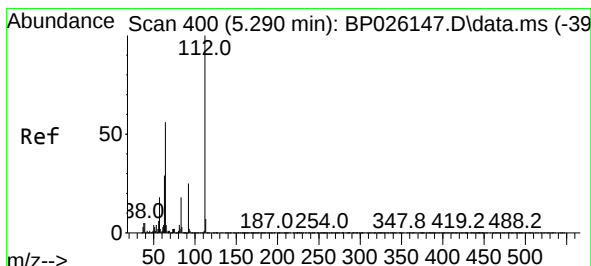
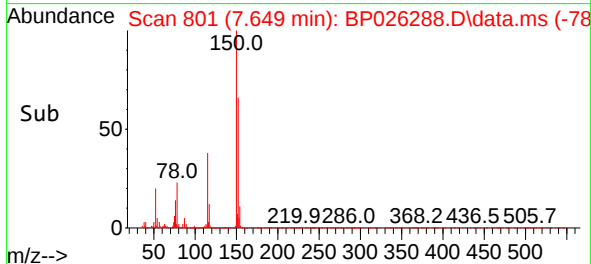
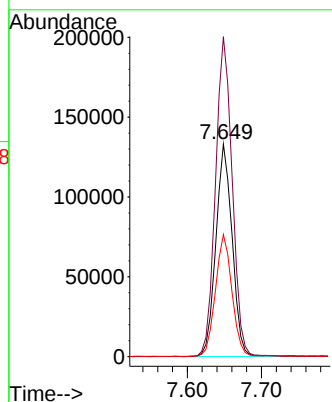
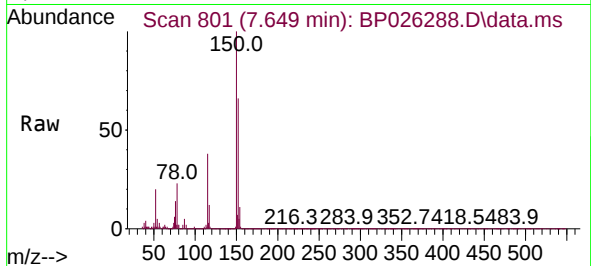
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 80
Delta R.T. -0.006 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion:152 Resp: 203256
Ion Ratio Lower Upper
152 100
150 150.6 123.0 184.6
115 57.4 46.3 69.5

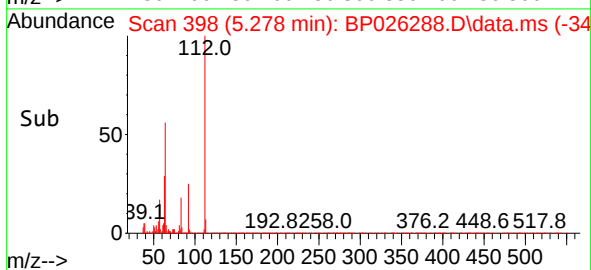
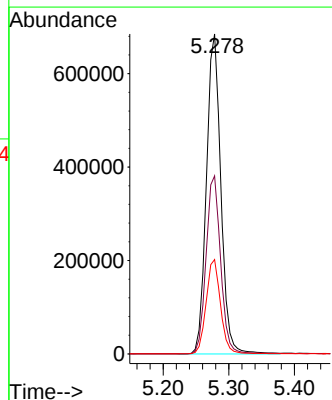
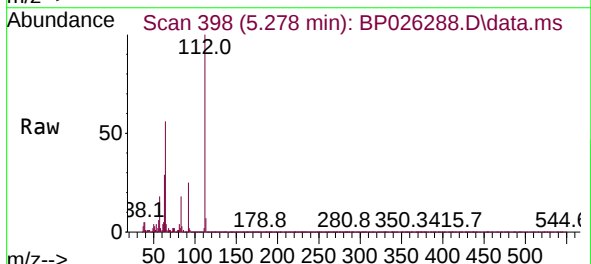
Manual Integrations
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#5
2-Fluorophenol
Concen: 82.598 ng
RT: 5.278 min Scan# 398
Delta R.T. -0.000 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

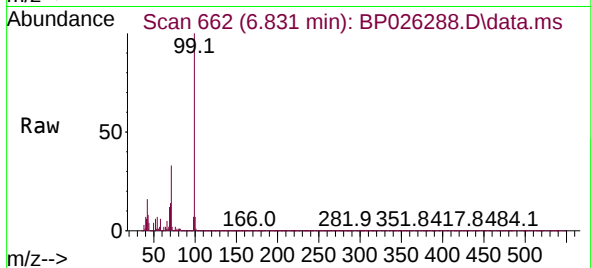
Tgt Ion:112 Resp: 1044263
Ion Ratio Lower Upper
112 100
64 55.6 45.8 68.6
63 29.5 23.5 35.3





#7
Phenol-d6
Concen: 79.643 ng
RT: 6.831 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

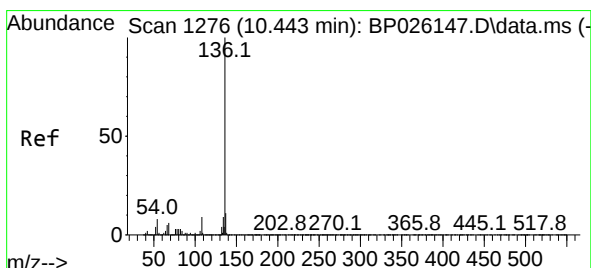
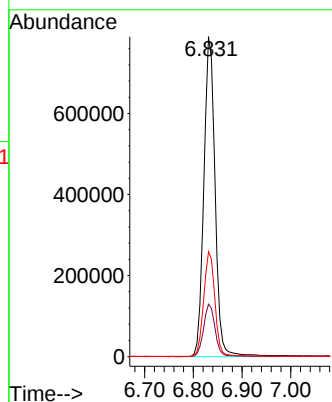
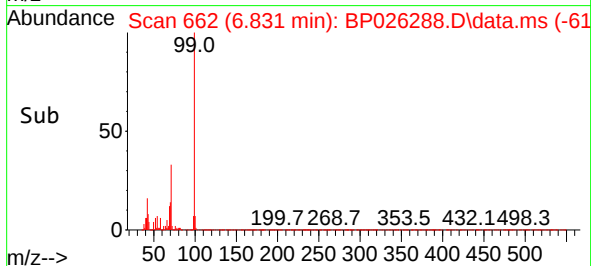
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion: 99 Resp: 127100
Ion Ratio Lower Upper
99 100
42 16.4 12.9 19.3
71 32.8 24.8 37.2

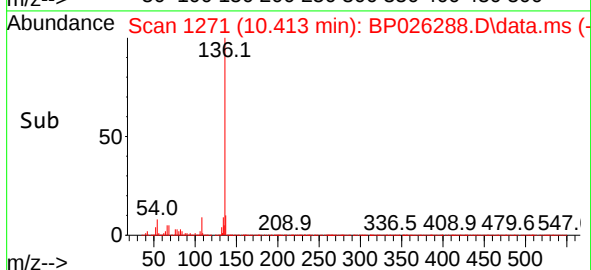
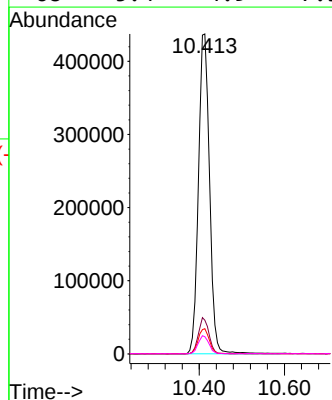
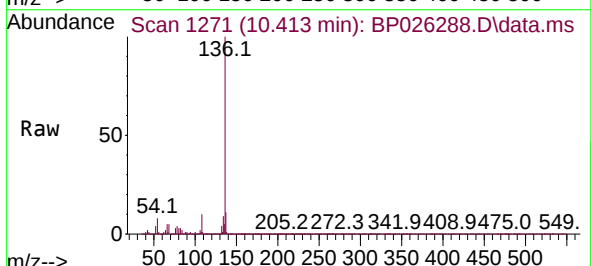
Manual Integrations
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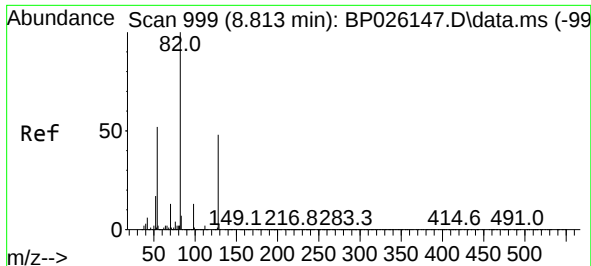
Reviewed By :Jagrut Upadhyay 12/11/2025
Supervised By :Sohil Jodhani 12/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.413 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

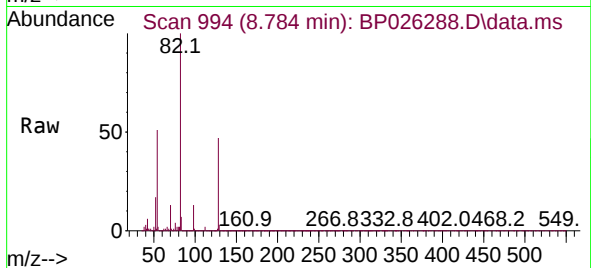
Tgt Ion:136 Resp: 789362
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.9 6.4 9.6
68 5.4 4.9 7.3





#23
Nitrobenzene-d5
Concen: 53.340 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

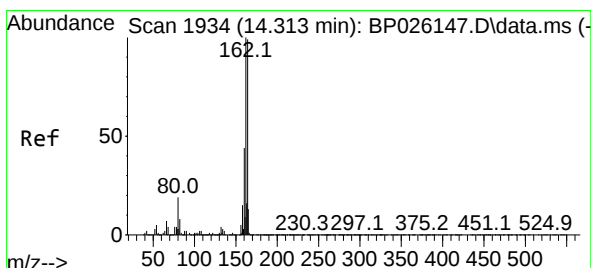
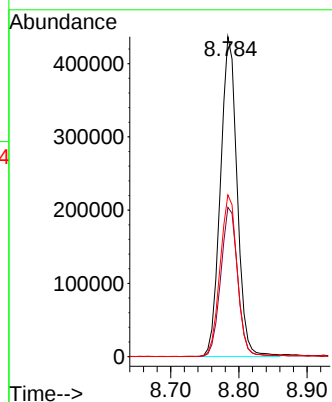
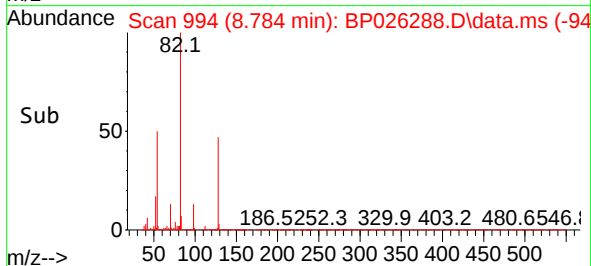
Instrument :
BNA_P
ClientSampleId :
TP-3



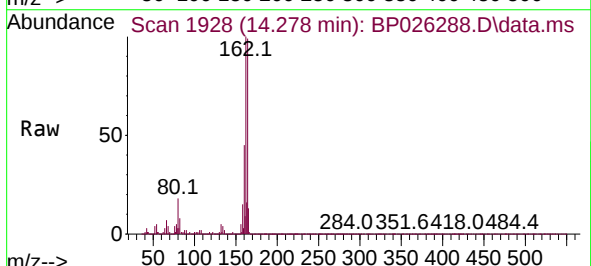
Tgt Ion: 82 Resp: 739715
Ion Ratio Lower Upper
82 100
128 46.6 37.4 56.0
54 50.5 41.6 62.4

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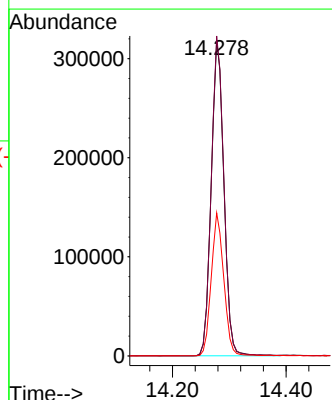
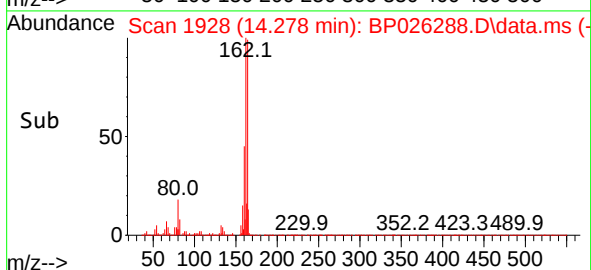
Reviewed By :Jagrut Upadhyay 12/11/2025
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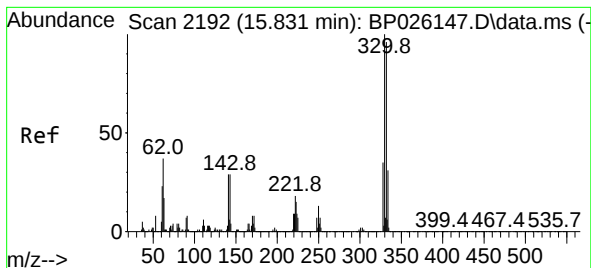


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.278 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22



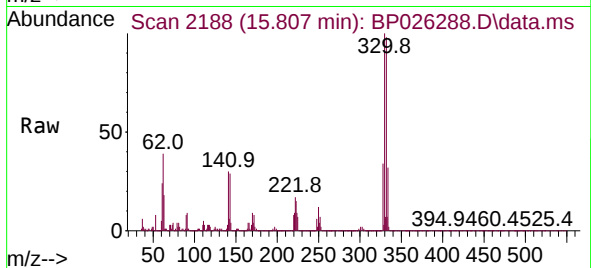
Tgt Ion:164 Resp: 495261
Ion Ratio Lower Upper
164 100
162 101.3 80.3 120.5
160 45.3 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 88.834 ng
RT: 15.807 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

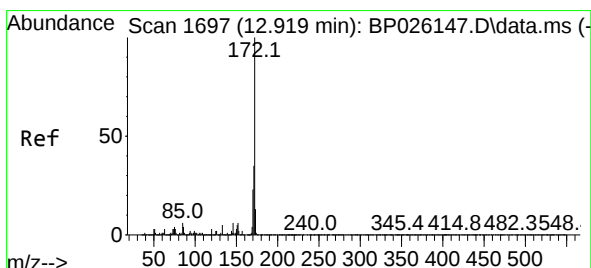
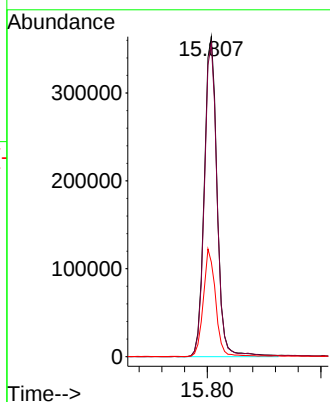
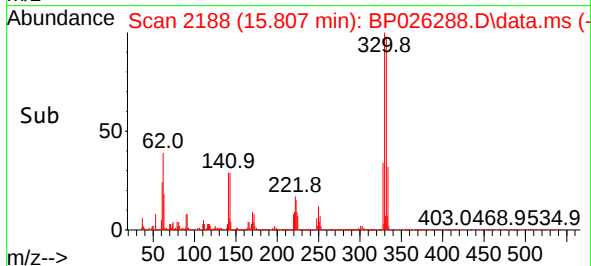
Instrument :
BNA_P
ClientSampleId :
TP-3



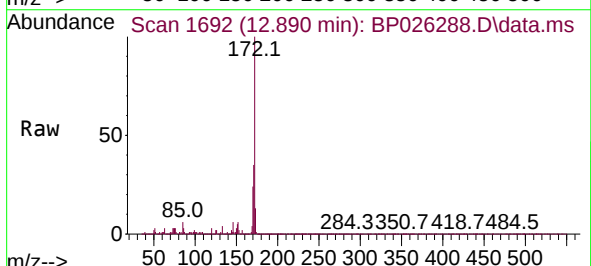
Tgt Ion: 330 Resp: 57215
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 32.3 26.8 40.2

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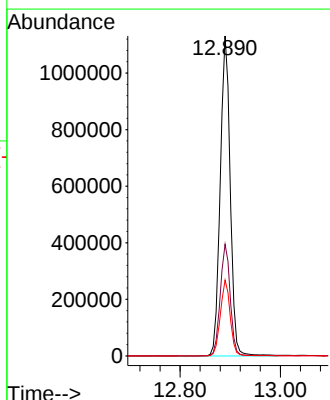
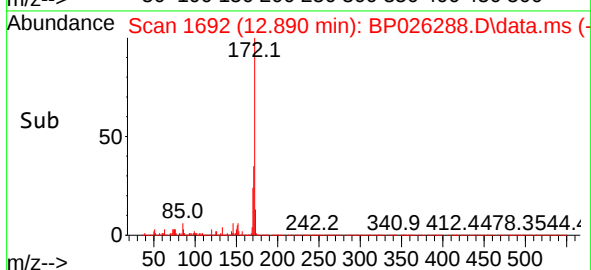
Reviewed By :Jagrut Upadhyay 12/11/2025
Supervised By :Sohil Jodhani 12/12/2025

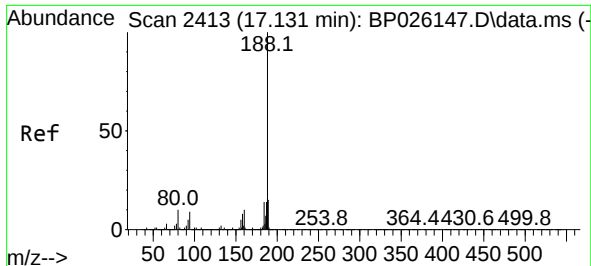


#45
2-Fluorobiphenyl
Concen: 45.891 ng
RT: 12.890 min Scan# 1692
Delta R.T. -0.012 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22



Tgt Ion: 172 Resp: 1563263
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.7 18.7 28.1





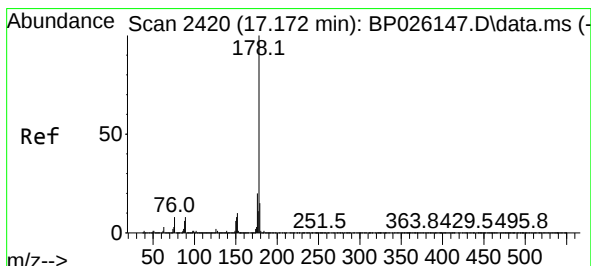
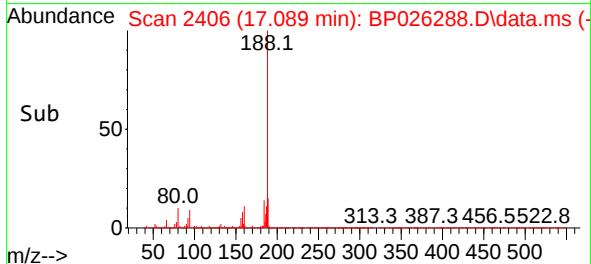
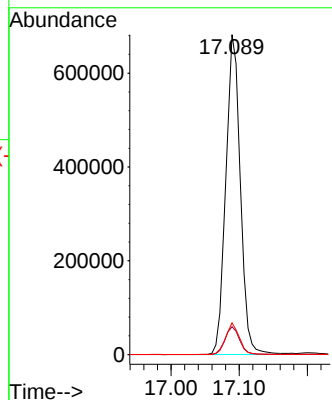
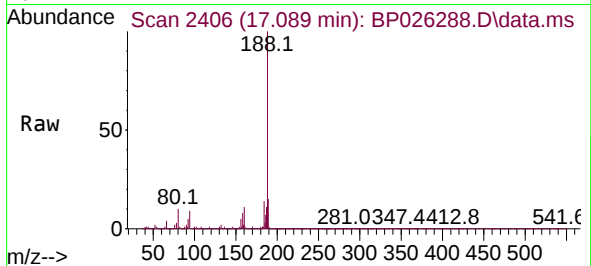
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.089 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion:188 Resp: 1005005
Ion Ratio Lower Upper
188 100
94 8.7 7.8 11.6
80 9.9 8.2 12.2

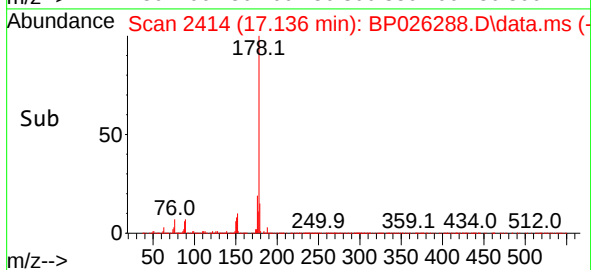
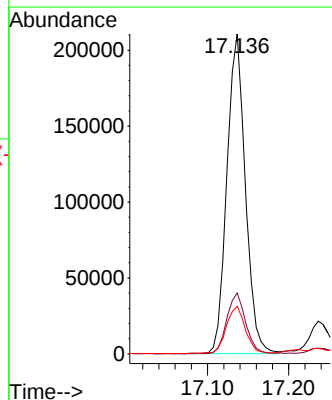
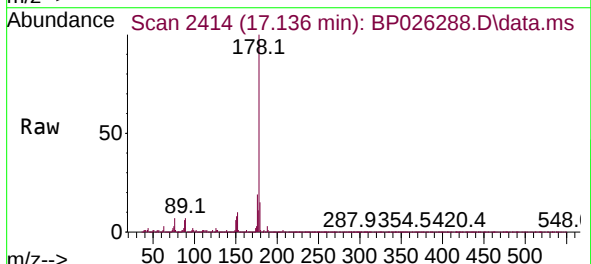
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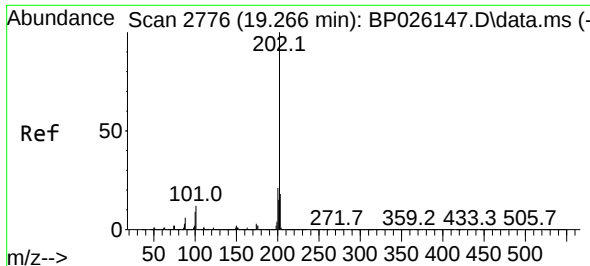
Reviewed By :Jagrut Upadhyay 12/11/2025
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#71
Phenanthrene
Concen: 5.868 ng
RT: 17.136 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

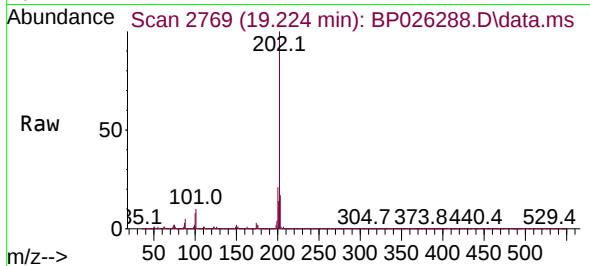
Tgt Ion:178 Resp: 332470
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 21.575 ng
RT: 19.224 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

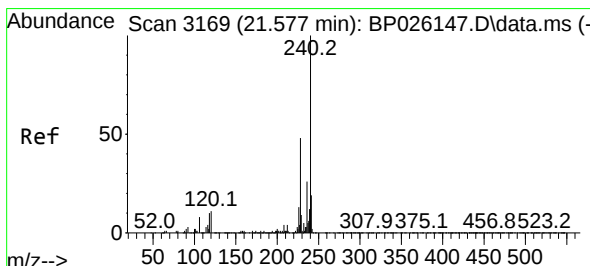
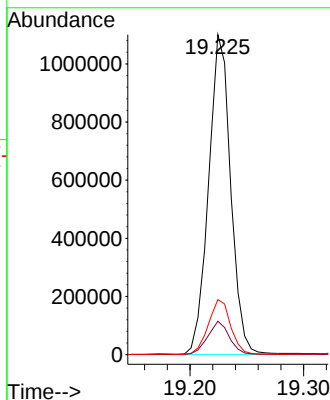
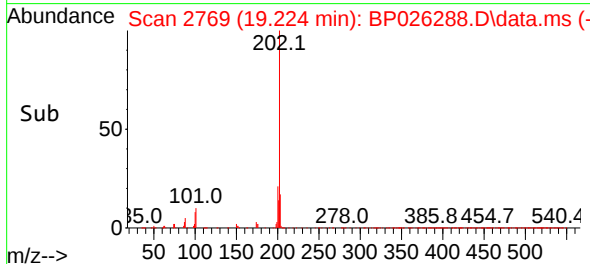
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 148765
Ion Ratio Lower Upper
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101 10.4 0.0 31.2
203 17.2 0.0 37.7

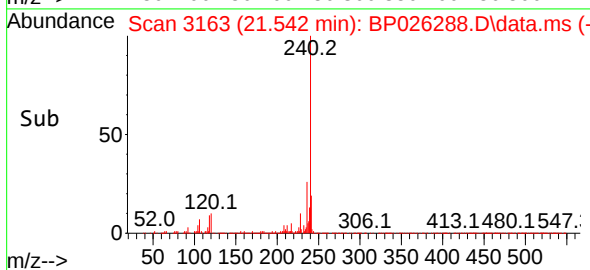
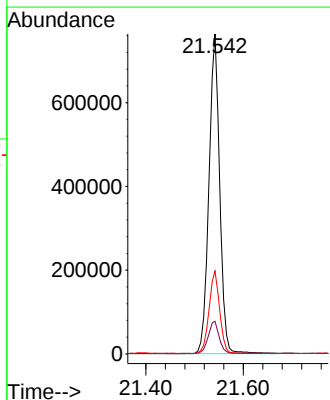
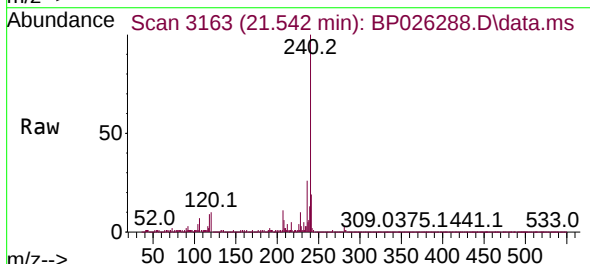
Manual Integrations
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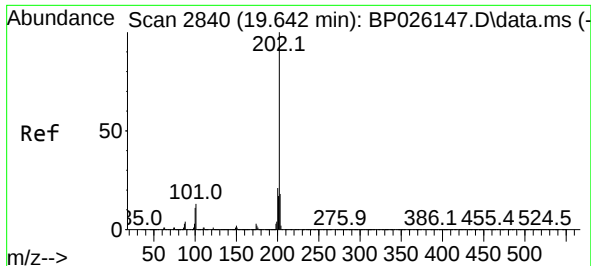
Reviewed By :Jagrut Upadhyay 12/11/2025
Supervised By :Sohil Jodhani 12/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.542 min Scan# 3163
Delta R.T. 0.006 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

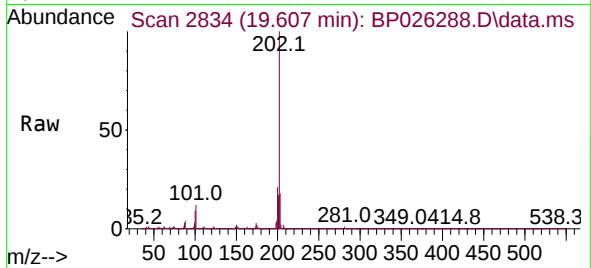
Tgt Ion:240 Resp: 1176066
Ion Ratio Lower Upper
240 100
120 10.2 9.0 13.4
236 25.9 20.4 30.6





#78
Pyrene
Concen: 15.869 ng
RT: 19.607 min Scan# 2834
Delta R.T. -0.006 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

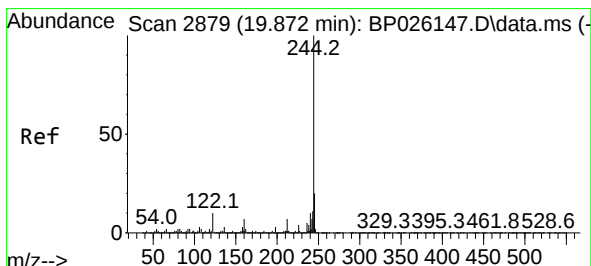
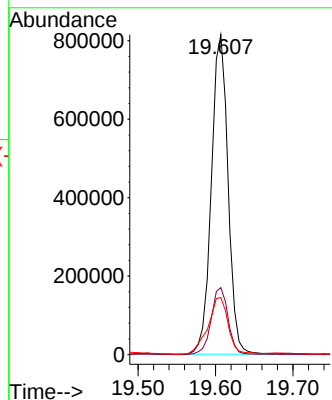
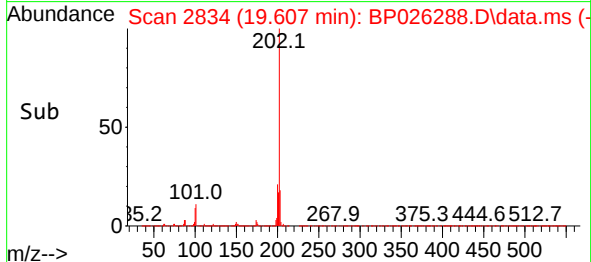
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 1216185
Ion Ratio Lower Upper
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200 20.9 16.9 25.3
203 17.8 13.8 20.8

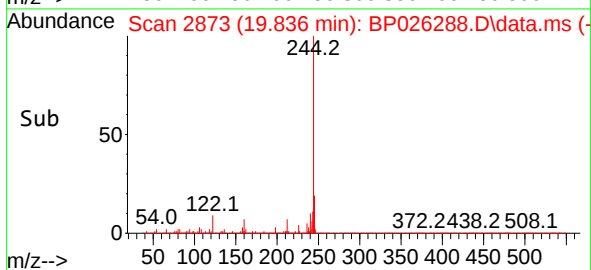
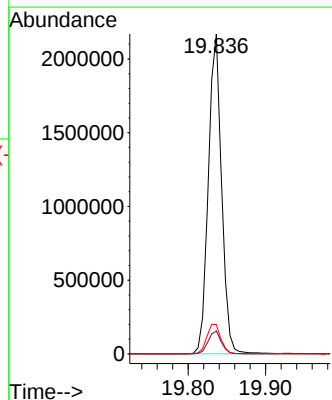
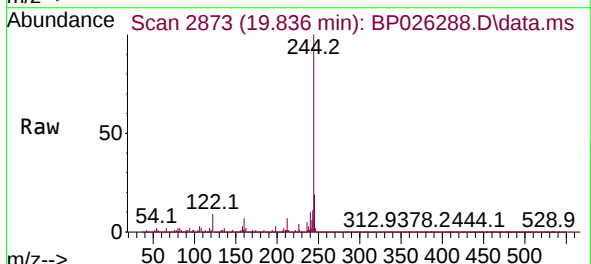
Manual Integrations
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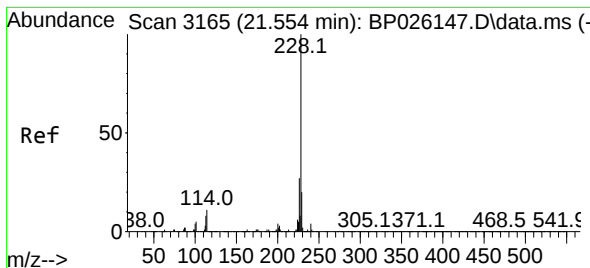
Reviewed By :Jagrut Upadhyay 12/11/2025
Supervised By :Sohil Jodhani 12/12/2025



#79
Terphenyl-d14
Concen: 44.735 ng
RT: 19.836 min Scan# 2873
Delta R.T. -0.000 min
Lab File: BP026288.D
Acq: 10 Dec 2025 23:22

Tgt Ion:244 Resp: 2574062
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.8
122 9.2 8.2 12.2





#81

Benzo(a)anthracene

Concen: 6.994 ng

RT: 21.524 min Scan# 3165

Delta R.T. 0.006 min

Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

Instrument :

BNA_P

ClientSampleId :

TP-3

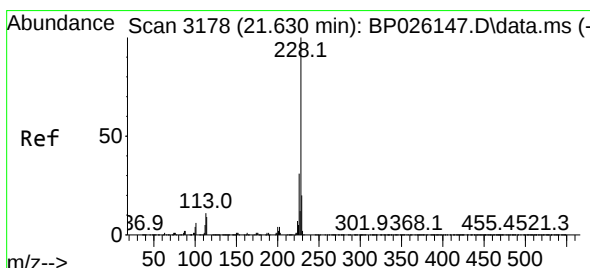
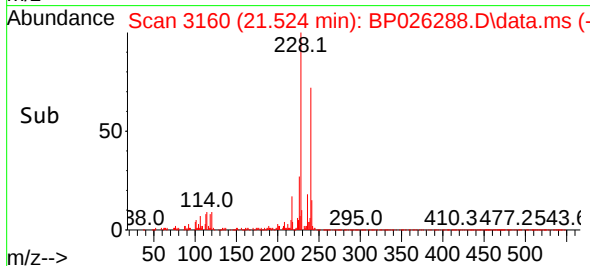
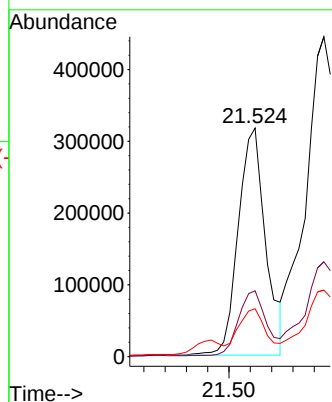
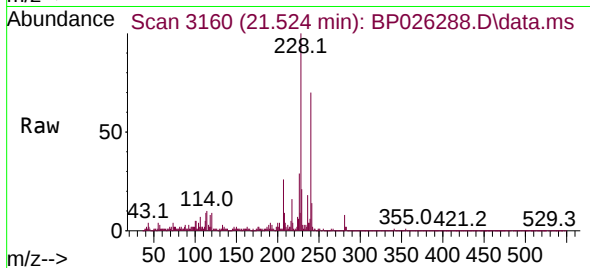
Tgt Ion:228 Resp: 564234

Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.8	32.8
229	21.0	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/11/2025
Supervised By :Sohil Jodhani 12/12/2025



#83

Chrysene

Concen: 11.386 ng

RT: 21.589 min Scan# 3171

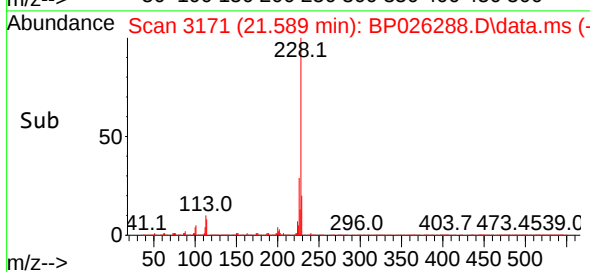
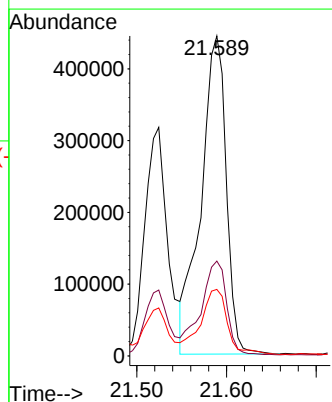
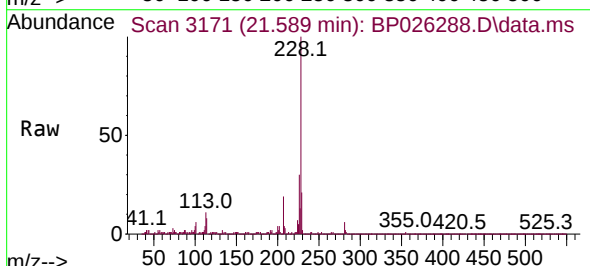
Delta R.T. 0.006 min

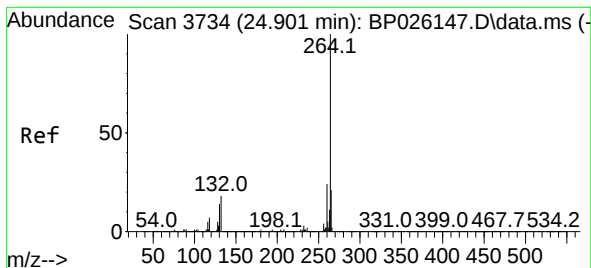
Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

Tgt Ion:228 Resp: 869744

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	20.8	15.9	23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.842 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:264 Resp: 140302

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

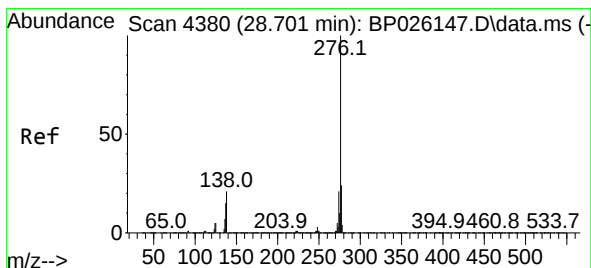
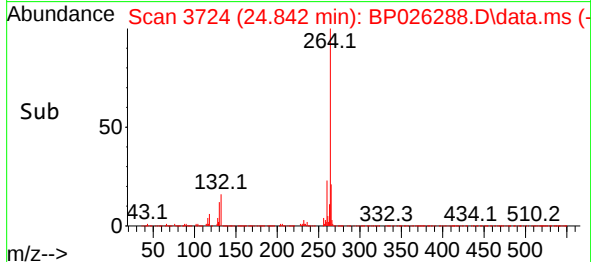
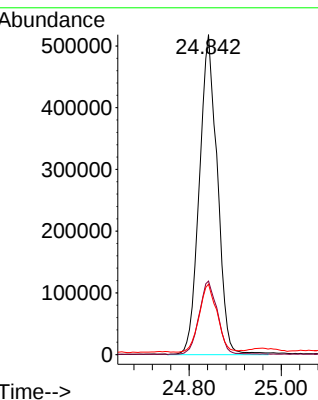
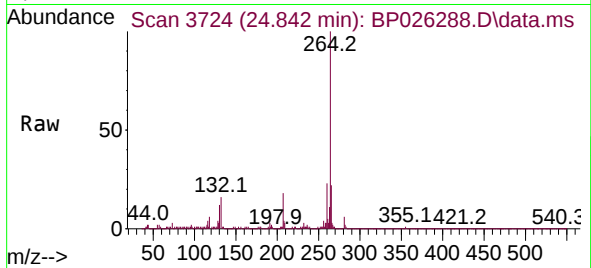
265 22.0 17.5 26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/11/2025

Supervised By :Sohil Jodhani 12/12/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.934 ng

RT: 28.571 min Scan# 4358

Delta R.T. -0.012 min

Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

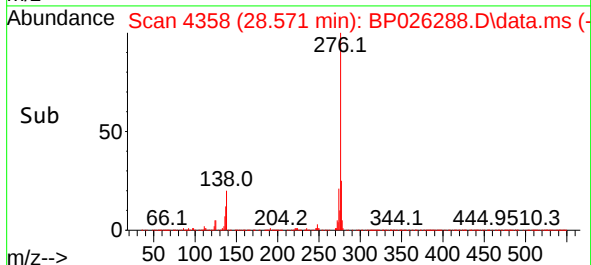
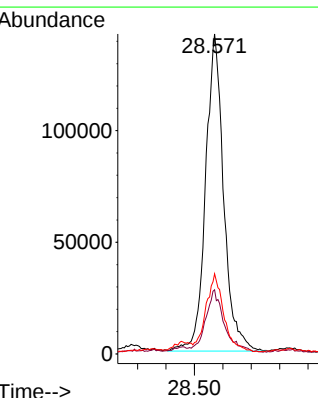
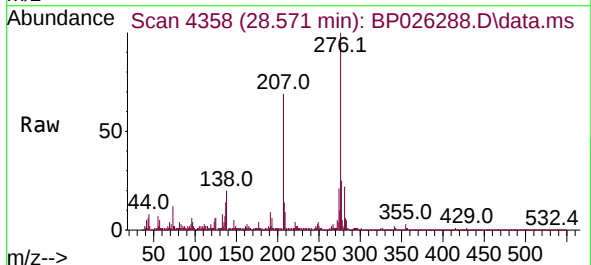
Tgt Ion:276 Resp: 629168

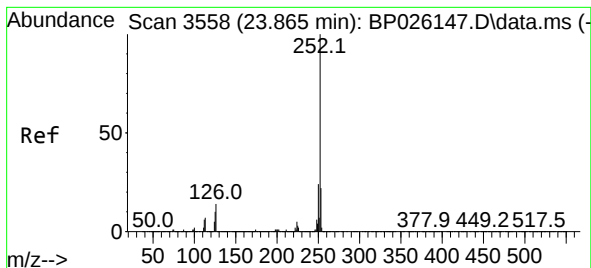
Ion Ratio Lower Upper

276 100

138 20.2 13.8 20.8

277 24.0 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 14.367 ng

RT: 23.789 min Scan# 3545

Delta R.T. -0.006 min

Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:252 Resp: 122503

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

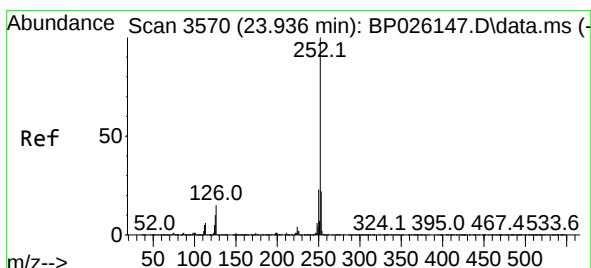
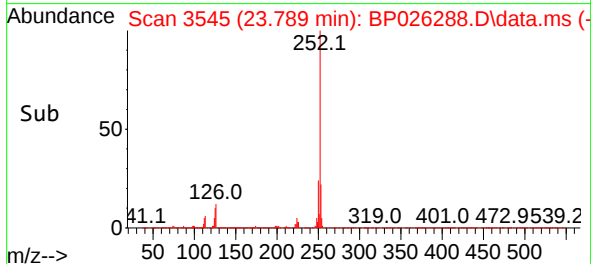
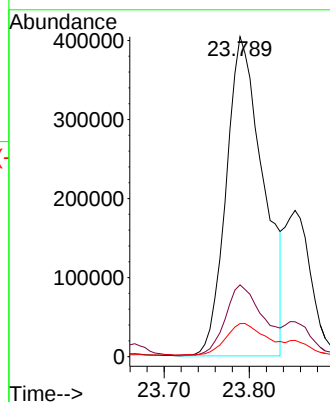
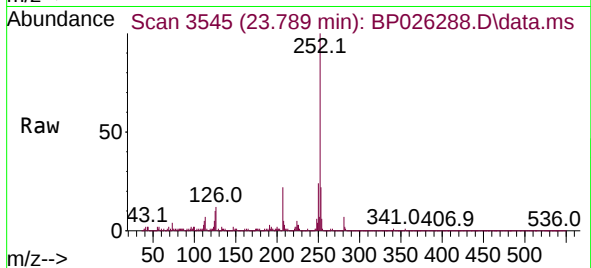
125 10.3 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/11/2025

Supervised By :Sohil Jodhani 12/12/2025



#89

Benzo(k)fluoranthene

Concen: 4.644 ng m

RT: 23.854 min Scan# 3556

Delta R.T. -0.012 min

Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

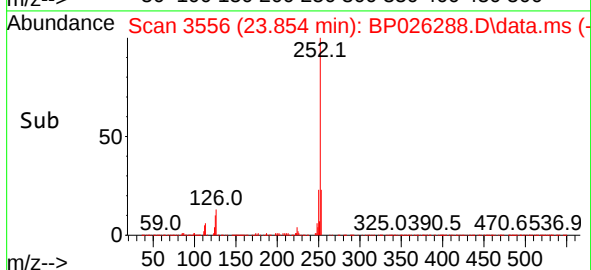
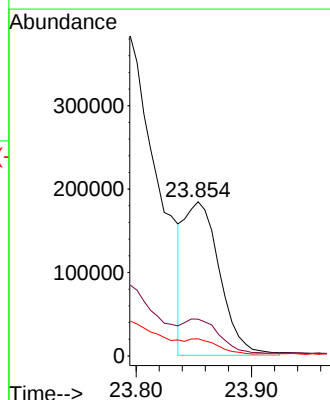
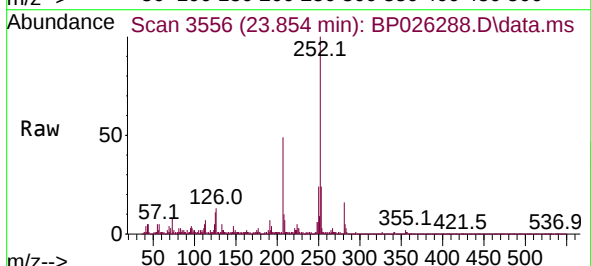
Tgt Ion:252 Resp: 396147

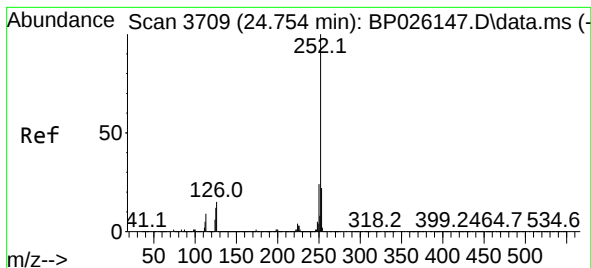
Ion Ratio Lower Upper

252 100

253 23.8 17.6 26.4

125 11.1 7.5 11.3





#90

Benzo(a)pyrene

Concen: 8.623 ng

RT: 24.683 min Scan# 30

Delta R.T. -0.000 min

Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

Instrument :

BNA_P

ClientSampleId :

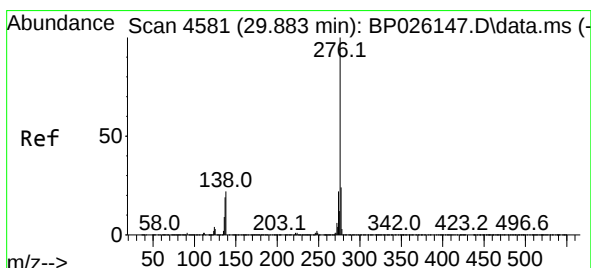
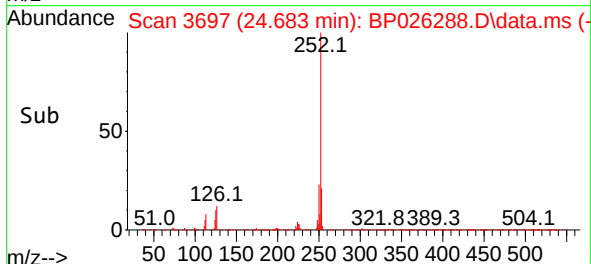
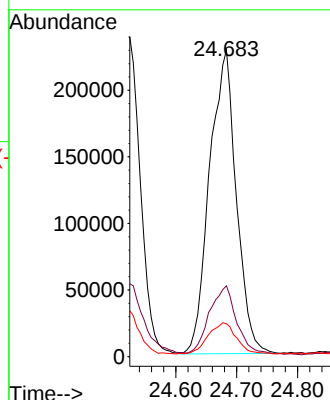
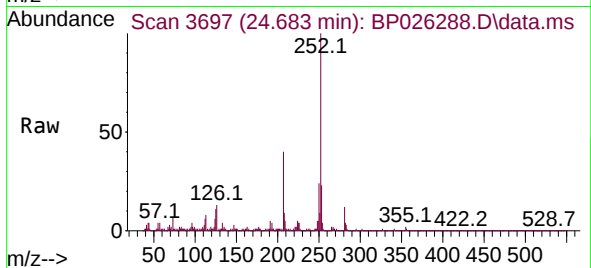
TP-3

Tgt Ion:252 Resp: 697255
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.2
 125 10.7 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/11/2025
 Supervised By :Sohil Jodhani 12/12/2025



#92

Benzo(g,h,i)perylene

Concen: 6.943 ng

RT: 29.724 min Scan# 4554

Delta R.T. -0.024 min

Lab File: BP026288.D

Acq: 10 Dec 2025 23:22

Tgt Ion:276 Resp: 600274
 Ion Ratio Lower Upper
 276 100
 277 23.5 18.8 28.2
 138 21.2 17.8 26.6

