

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121525\
 Data File : BP026334.D
 Acq On : 15 Dec 2025 21:00
 Operator : RC/JU
 Sample : Q3861-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-03-121225

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025

Quant Time: Dec 16 00:57:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 15 14:15:35 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.649	152	211685	20.000	ng	0.00
21) Naphthalene-d8	10.407	136	789874	20.000	ng	0.00
39) Acenaphthene-d10	14.284	164	493805	20.000	ng	0.00
64) Phenanthrene-d10	17.078	188	967267	20.000	ng	0.00
76) Chrysene-d12	21.530	240	1108610	20.000	ng	0.00
86) Perylene-d12	24.818	264	1316504	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.272	112	157723	11.979	ng	0.00
7) Phenol-d6	6.831	99	171163	10.297	ng	-0.01
23) Nitrobenzene-d5	8.784	82	97873	7.015	ng	0.00
42) 2,4,6-Tribromophenol	15.795	330	89418	13.626	ng	0.00
45) 2-Fluorobiphenyl	12.884	172	293717	8.599	ng	0.00
79) Terphenyl-d14	19.825	244	496327	8.920	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.119	178	391385	7.144	ng	99
72) Anthracene	17.225	178	123356	2.216	ng	99
75) Fluoranthene	19.219	202	912531	13.754	ng	98
78) Pyrene	19.601	202	836186	11.299	ng	99
81) Benzo(a)anthracene	21.513	228	487510	6.378	ng	98
83) Chrysene	21.572	228	439241	6.087	ng	97
87) Indeno(1,2,3-cd)pyrene	28.559	276	336952	3.397	ng	94
88) Benzo(b)fluoranthene	23.789	252	638080	7.897	ng	96
89) Benzo(k)fluoranthene	23.854	252	215198m	2.651	ng	
90) Benzo(a)pyrene	24.666	252	480890	6.290	ng	97
92) Benzo(g,h,i)perylene	29.706	276	323296	4.009	ng	98

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

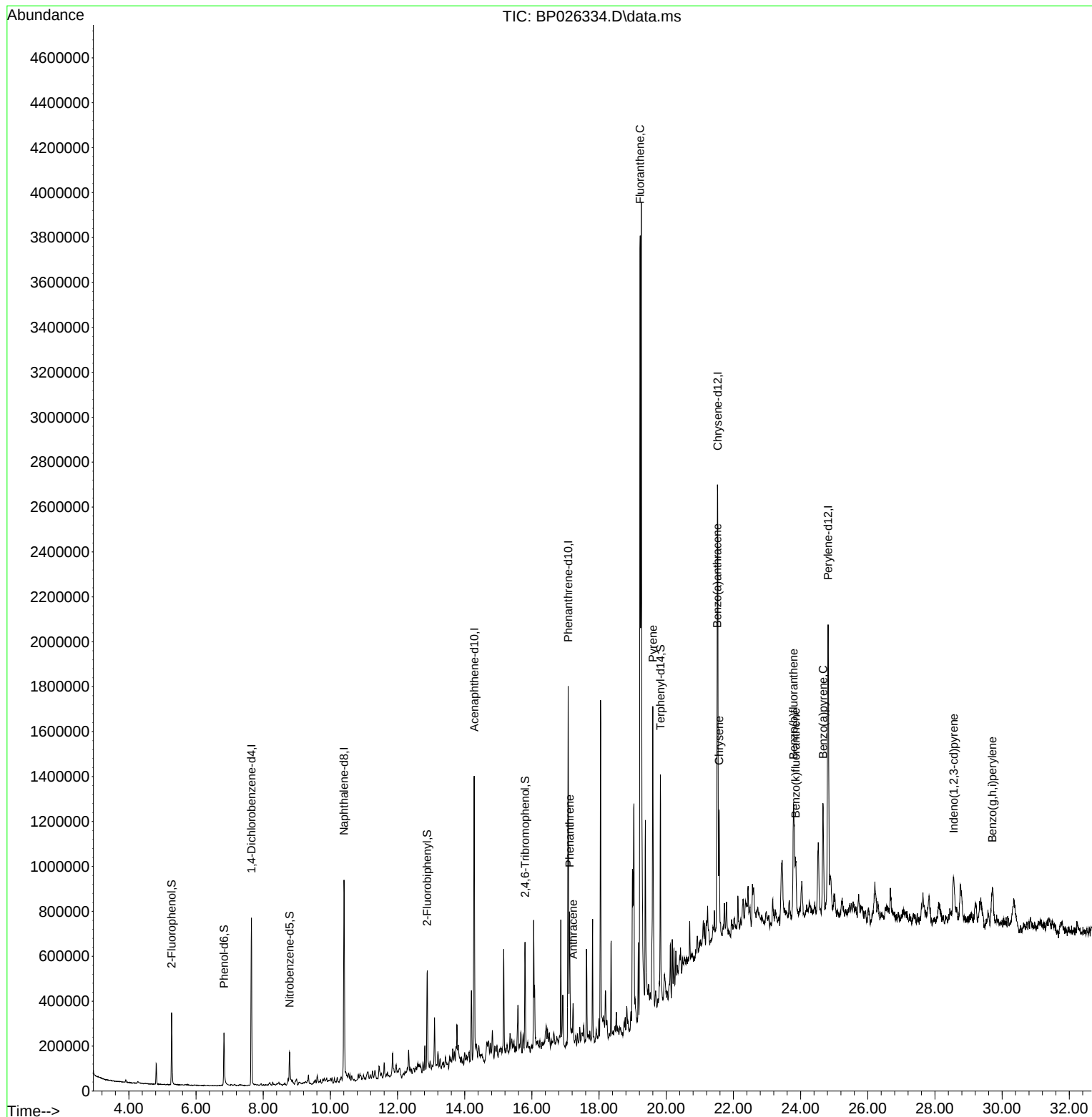
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121525\
Data File : BP026334.D
Acq On : 15 Dec 2025 21:00
Operator : RC/JU
Sample : Q3861-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

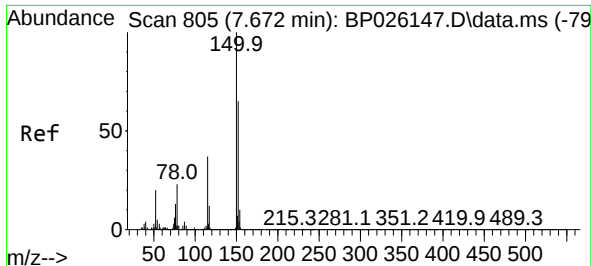
Instrument :
BNA_P
ClientSampleId :
EO-03-121225

Quant Time: Dec 16 00:57:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 15 14:15:35 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

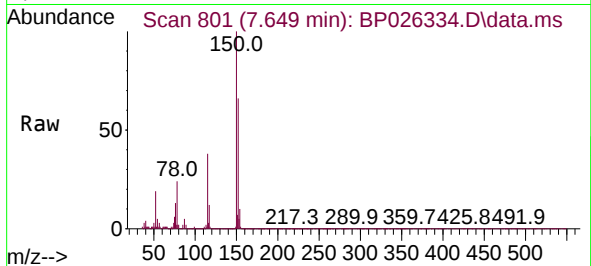
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.649 min Scan# 805
Delta R.T. -0.006 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

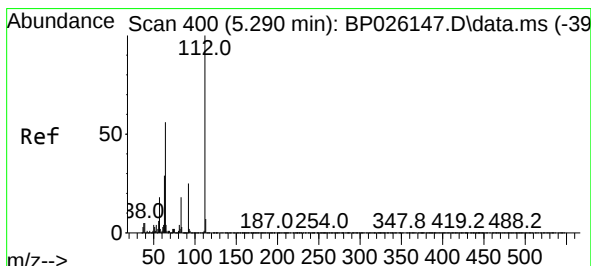
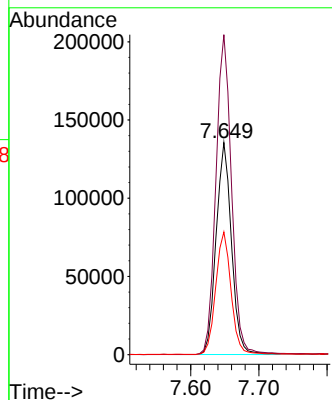
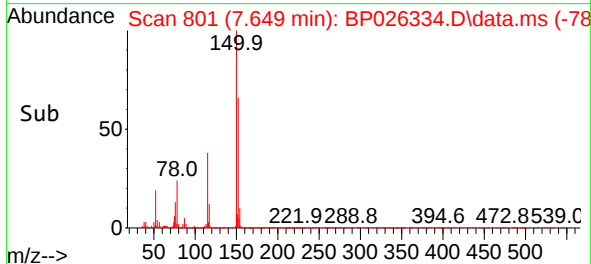
Instrument :
BNA_P
ClientSampleId :
EO-03-121225



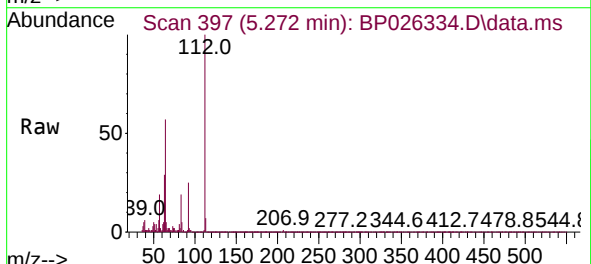
Tgt Ion:152 Resp: 211685
Ion Ratio Lower Upper
152 100
150 150.9 123.0 184.6
115 57.8 46.3 69.5

Manual Integrations
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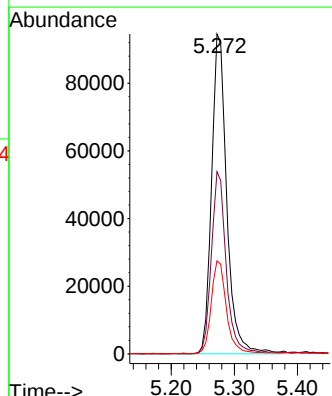
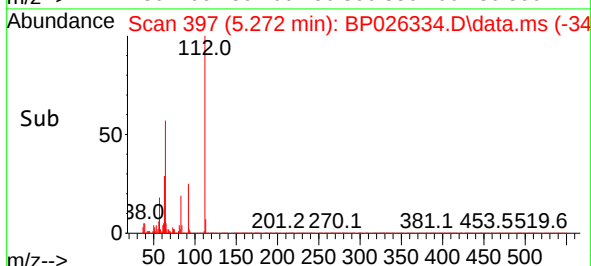
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#5
2-Fluorophenol
Concen: 11.979 ng
RT: 5.272 min Scan# 397
Delta R.T. -0.006 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00



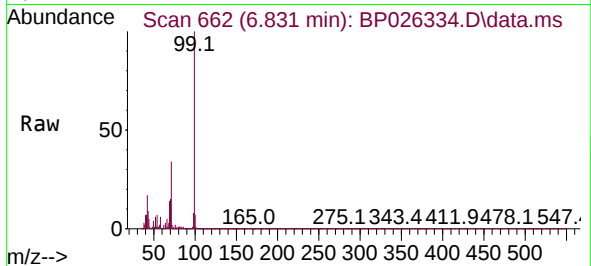
Tgt Ion:112 Resp: 157723
Ion Ratio Lower Upper
112 100
64 56.9 45.8 68.6
63 29.1 23.5 35.3





#7
Phenol-d6
Concen: 10.297 ng
RT: 6.831 min Scan# 60
Delta R.T. -0.012 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

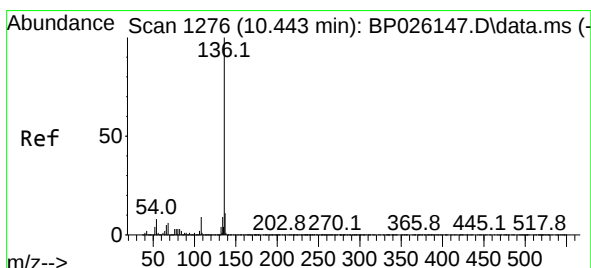
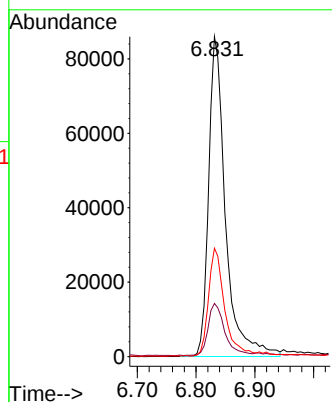
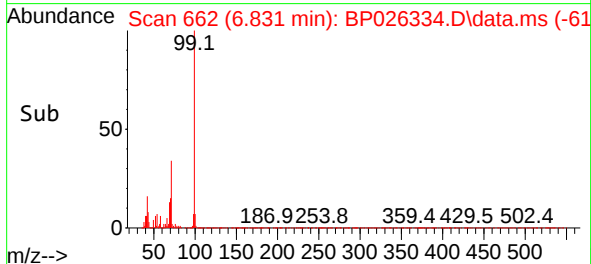
Instrument :
BNA_P
ClientSampleId :
EO-03-121225



Tgt Ion: 99 Resp: 171163
Ion Ratio Lower Upper
99 100
42 16.7 12.9 19.3
71 33.9 24.8 37.2

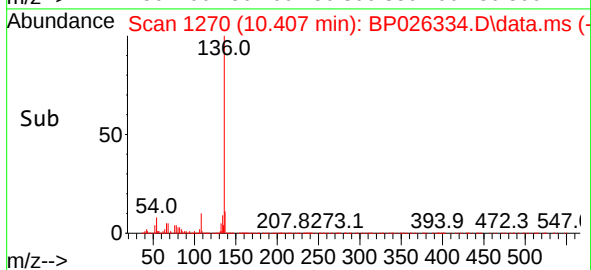
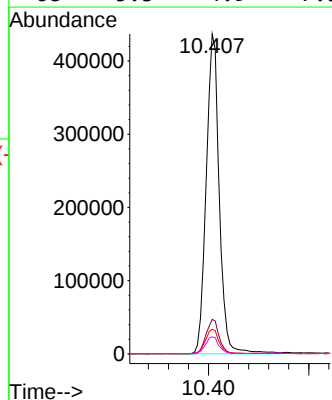
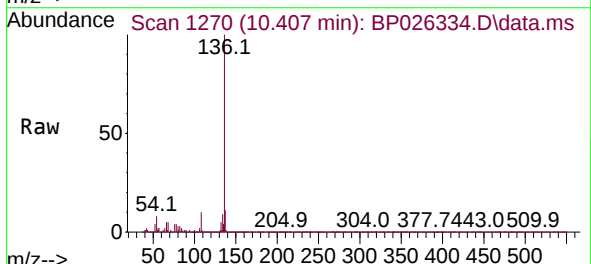
Manual Integrations
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Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.407 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

Tgt Ion:136 Resp: 789874
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.6 6.4 9.6
68 5.3 4.9 7.3





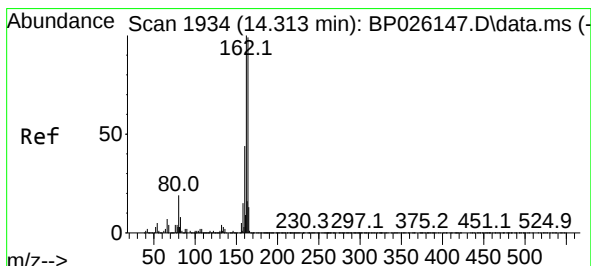
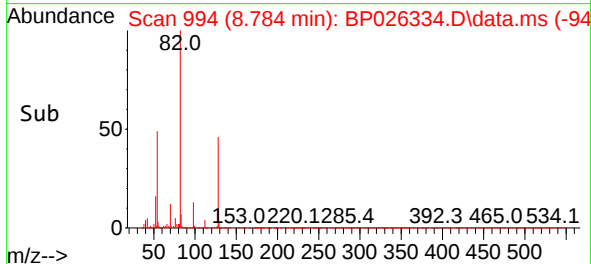
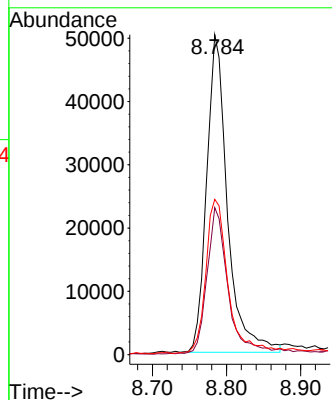
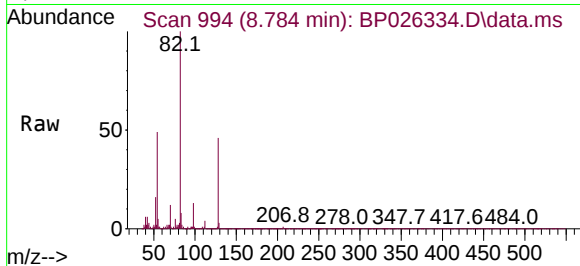
#23
Nitrobenzene-d5
Concen: 7.015 ng
RT: 8.784 min Scan# 999
Delta R.T. -0.006 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

Instrument :
BNA_P
ClientSampleId :
EO-03-121225

Tgt Ion: 82 Resp: 97873
Ion Ratio Lower Upper
82 100
128 45.9 37.4 56.0
54 48.5 41.6 62.4

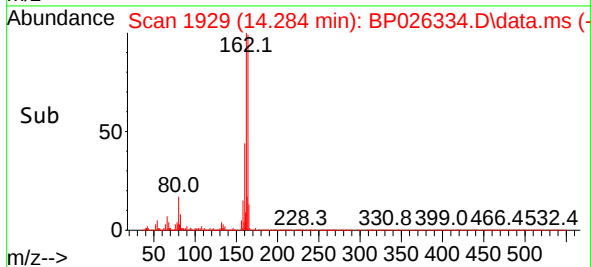
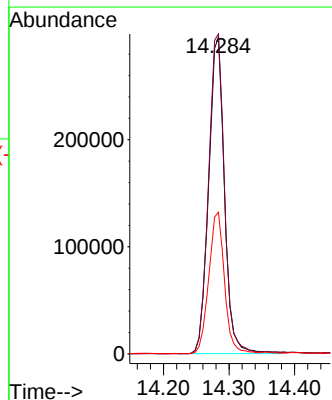
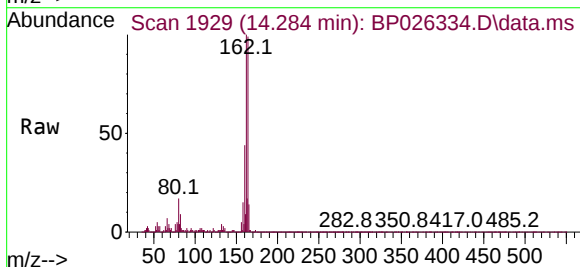
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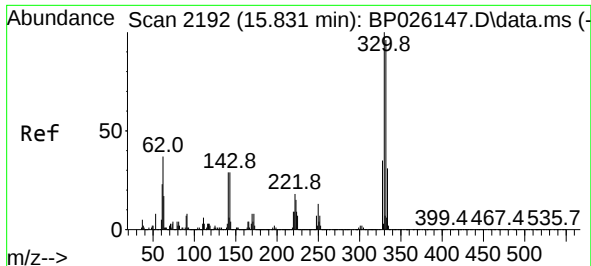
Reviewed By :Rahul Chavli 12/16/2025
Supervised By :Jagrut Upadhyay 12/16/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.284 min Scan# 1929
Delta R.T. 0.006 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

Tgt Ion:164 Resp: 493805
Ion Ratio Lower Upper
164 100
162 100.8 80.3 120.5
160 44.6 35.2 52.8





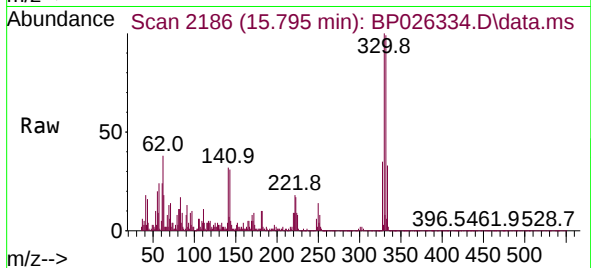
#42
2,4,6-Tribromophenol
Concen: 13.626 ng
RT: 15.795 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225



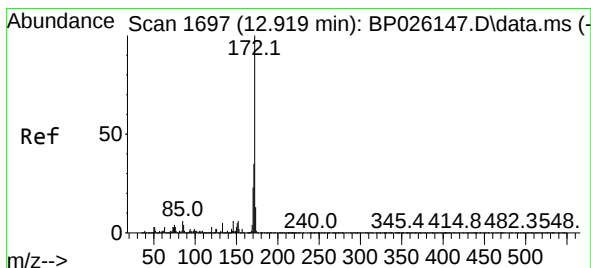
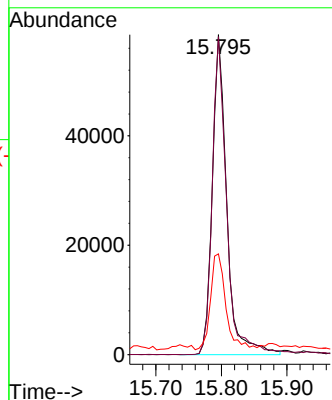
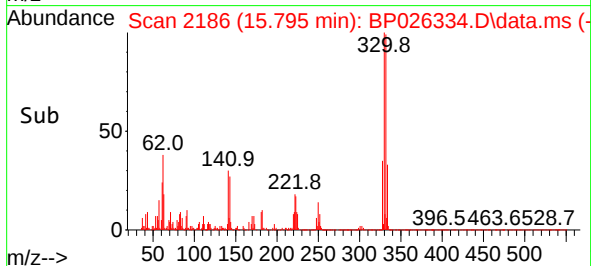
Tgt Ion:330 Resp: 89418
Ion Ratio Lower Upper
330 100
332 99.4 78.0 117.0
141 31.9 26.8 40.2

Manual Integrations

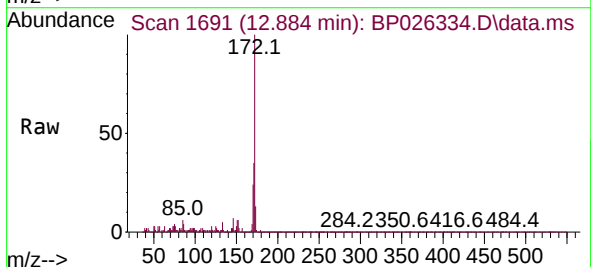
APPROVED

Reviewed By :Rahul Chavli 12/16/2025

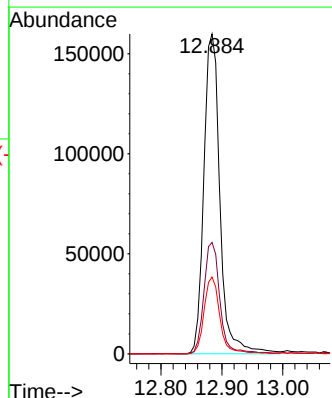
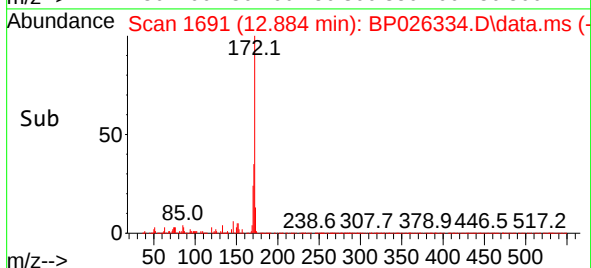
Supervised By :Jagrut Upadhyay 12/16/2025

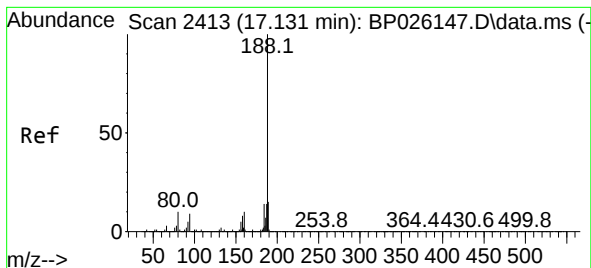


#45
2-Fluorobiphenyl
Concen: 8.599 ng
RT: 12.884 min Scan# 1691
Delta R.T. -0.006 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00



Tgt Ion:172 Resp: 293717
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.4
170 24.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.078 min Scan# 2411
Delta R.T. -0.006 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225

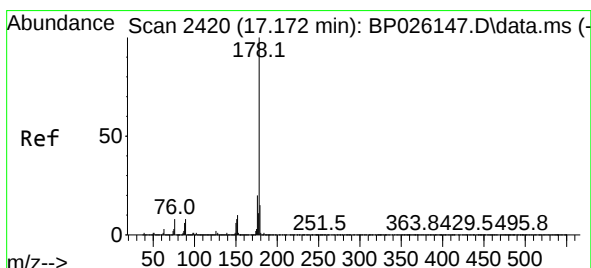
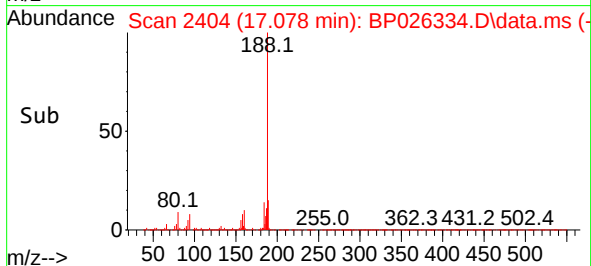
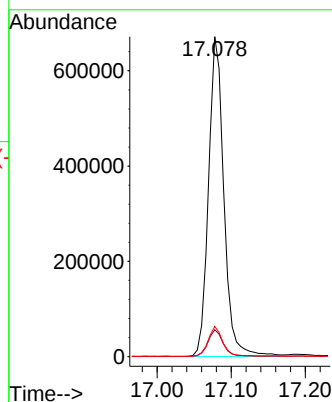
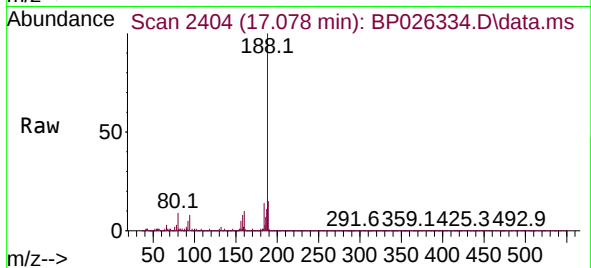
Tgt Ion:188 Resp: 96726
Ion Ratio Lower Upper
188 100
94 8.4 7.8 11.6
80 9.4 8.2 12.2

Manual Integrations

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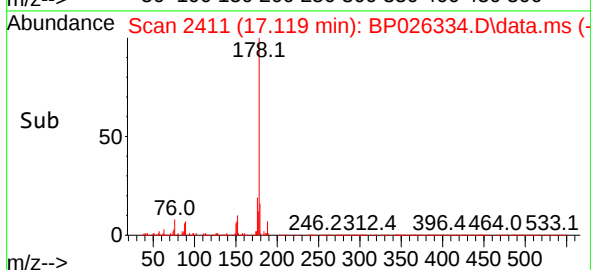
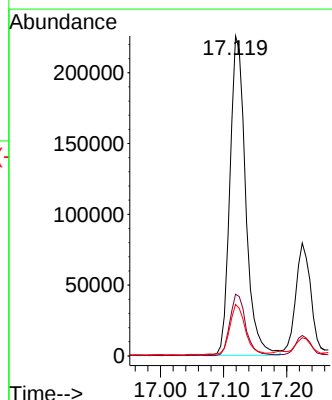
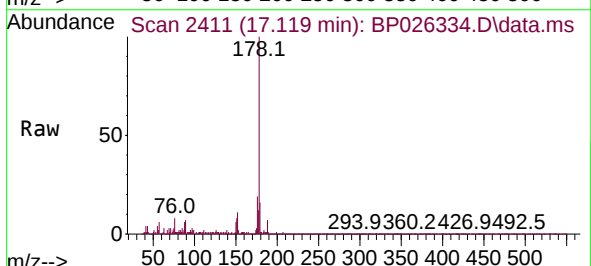
Reviewed By :Rahul Chavli 12/16/2025

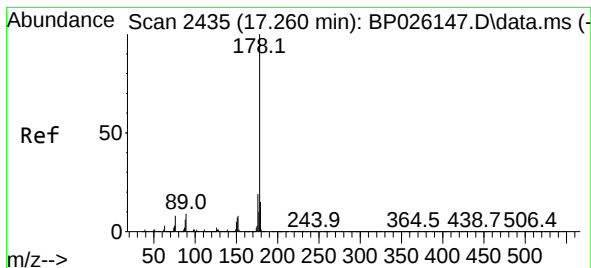
Supervised By :Jagrut Upadhyay 12/16/2025



#71
Phenanthrene
Concen: 7.144 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BP026334.D
Acq: 15 Dec 2025 21:00

Tgt Ion:178 Resp: 391385
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 16.1 12.4 18.6





#72

Anthracene

Concen: 2.216 ng

RT: 17.225 min Scan# 2435

Delta R.T. -0.006 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225

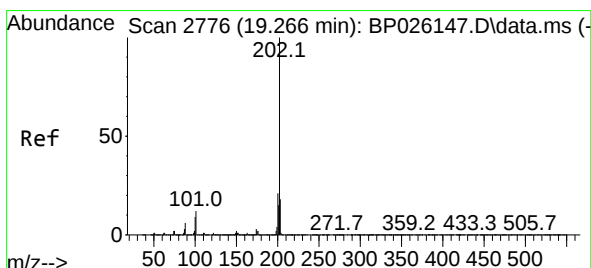
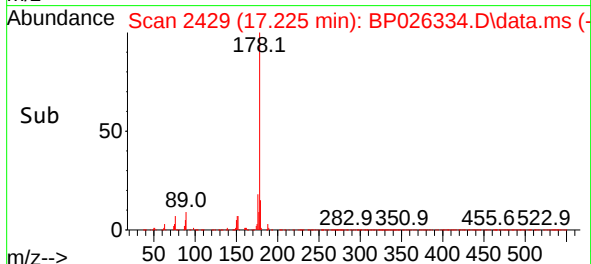
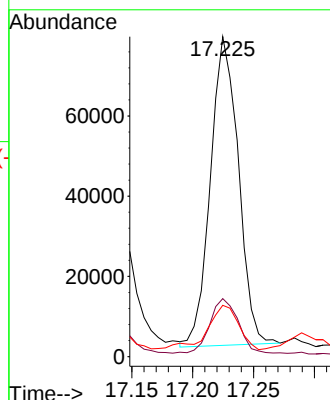
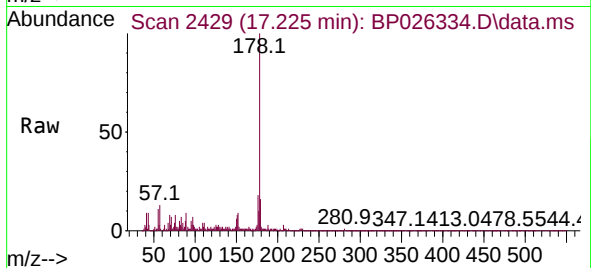
Tgt Ion:	178	Resp:	123356
Ion Ratio	Lower	Upper	
178	100		
176	18.1	14.8	22.2
179	16.0	12.2	18.4

Manual Integrations

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#75

Fluoranthene

Concen: 13.754 ng

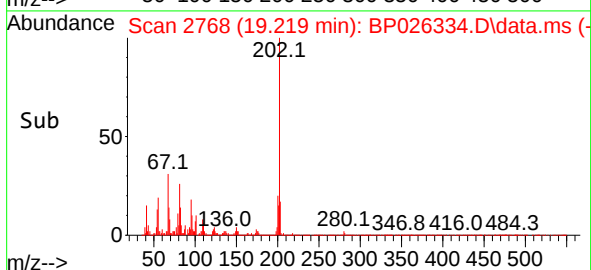
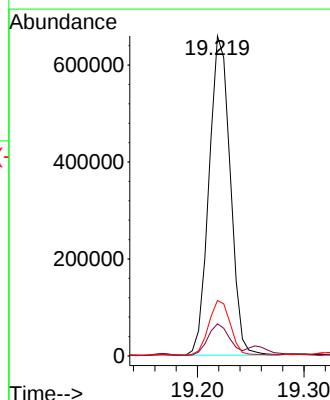
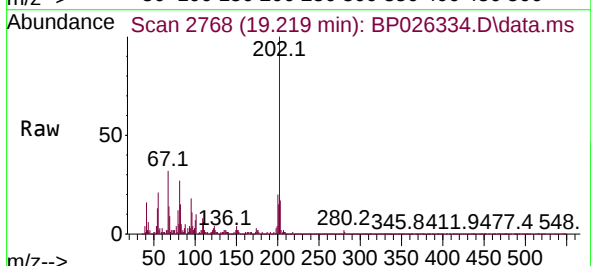
RT: 19.219 min Scan# 2768

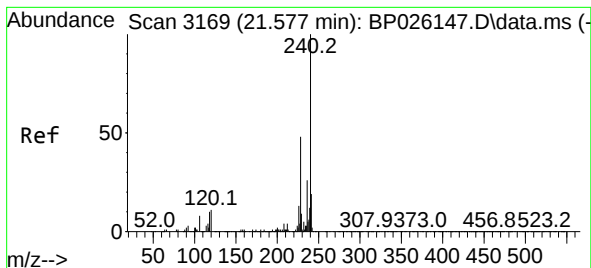
Delta R.T. -0.006 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Tgt Ion:	202	Resp:	912531
Ion Ratio	Lower	Upper	
202	100		
101	10.0	0.0	31.2
203	17.3	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.530 min Scan# 3169

Delta R.T. -0.006 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225

Tgt Ion:240 Resp: 1108610

Ion Ratio Lower Upper

240 100

120 9.5 9.0 13.4

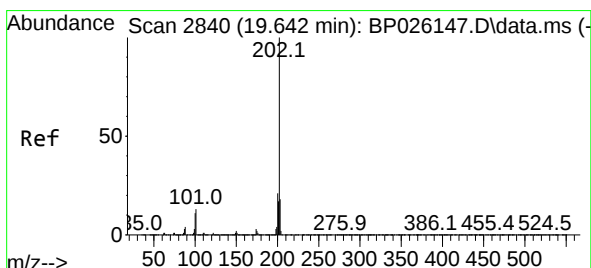
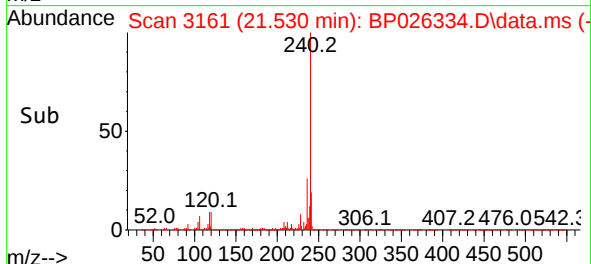
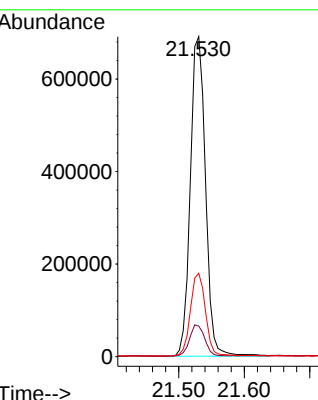
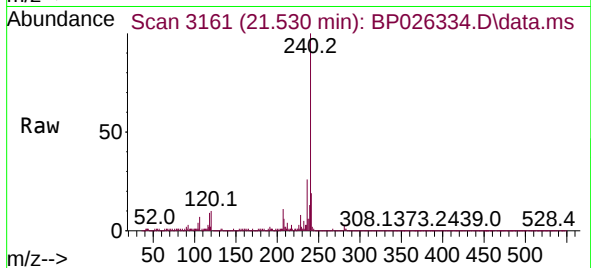
236 26.1 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025



#78

Pyrene

Concen: 11.299 ng

RT: 19.601 min Scan# 2833

Delta R.T. 0.000 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

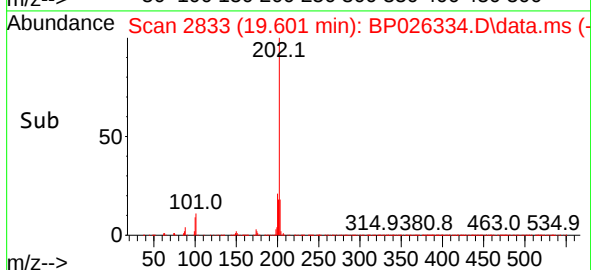
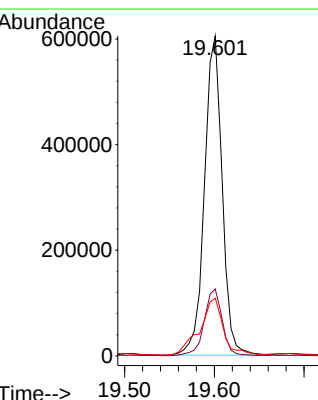
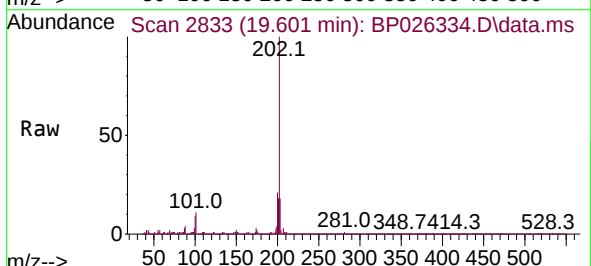
Tgt Ion:202 Resp: 836186

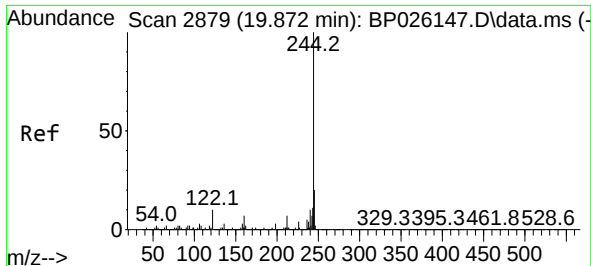
Ion Ratio Lower Upper

202 100

200 20.9 16.9 25.3

203 18.0 13.8 20.8





#79
 Terphenyl-d14
 Concen: 8.920 ng
 RT: 19.825 min Scan# 2879
 Delta R.T. 0.000 min
 Lab File: BP026334.D
 Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

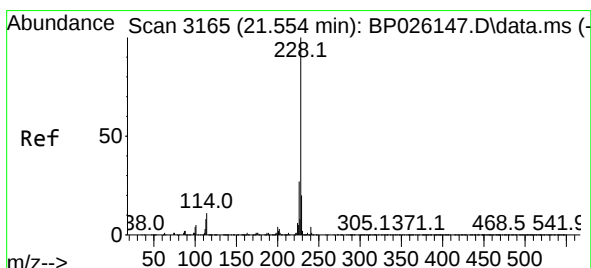
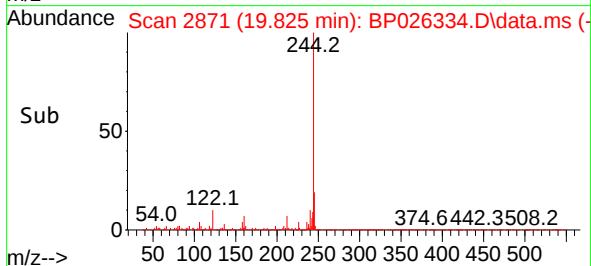
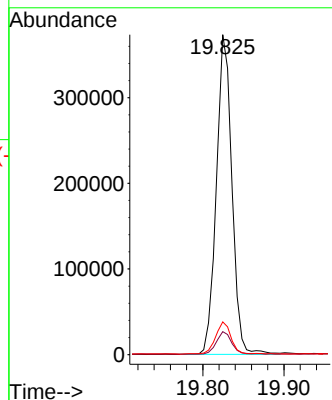
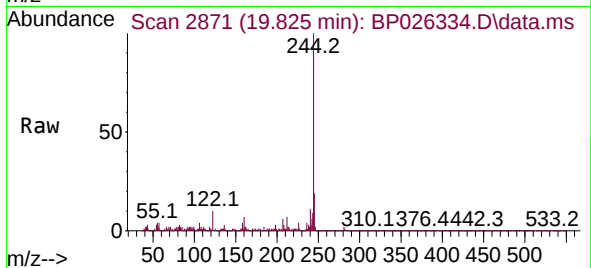
EO-03-121225

Tgt Ion:244 Resp: 496327
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 10.2 8.2 12.2

Manual Integrations

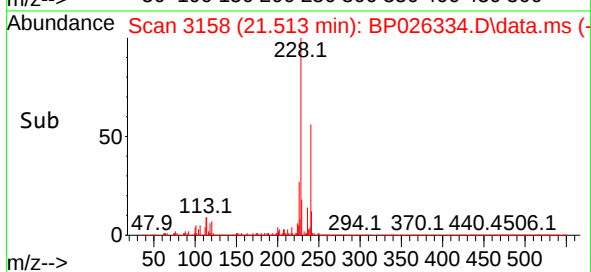
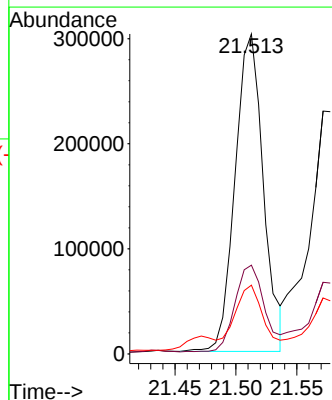
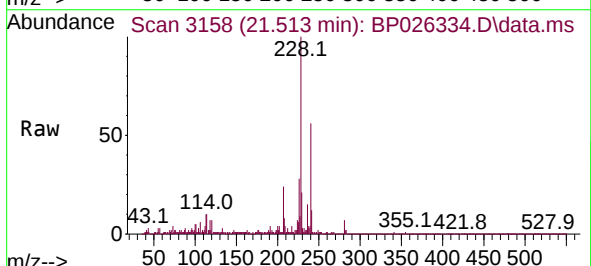
APPROVED

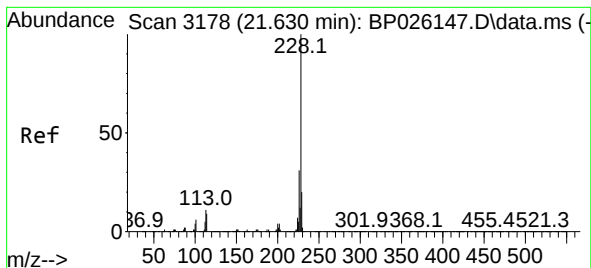
Reviewed By :Rahul Chavli 12/16/2025
 Supervised By :Jagrut Upadhyay 12/16/2025



#81
 Benzo(a)anthracene
 Concen: 6.378 ng
 RT: 21.513 min Scan# 3158
 Delta R.T. -0.006 min
 Lab File: BP026334.D
 Acq: 15 Dec 2025 21:00

Tgt Ion:228 Resp: 487510
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.8 32.8
 229 21.5 15.9 23.9





#83

Chrysene

Concen: 6.087 ng

RT: 21.572 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225

Tgt Ion:228 Resp: 43924

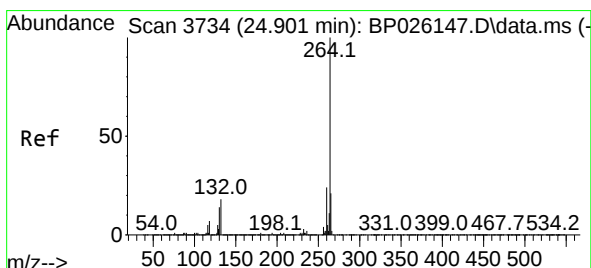
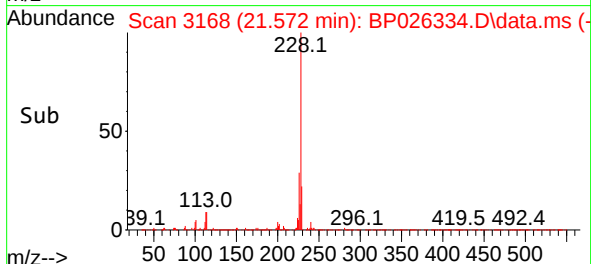
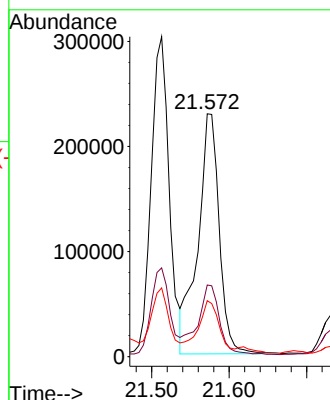
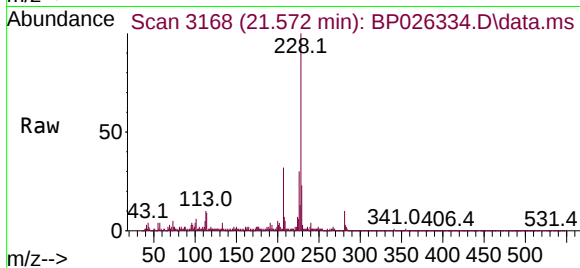
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	23.0	15.9	23.9

Manual Integrations

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Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.818 min Scan# 3720

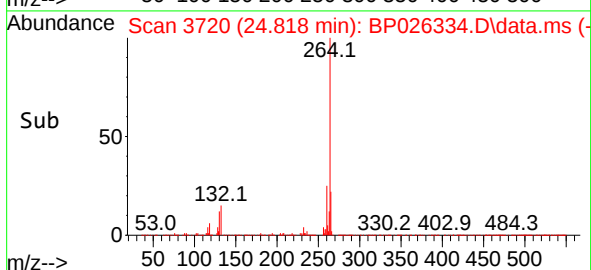
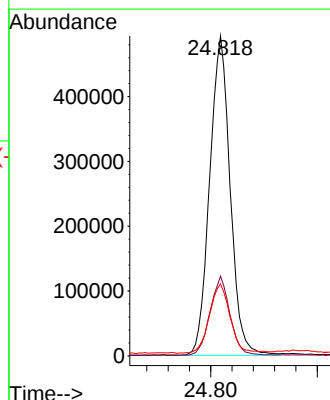
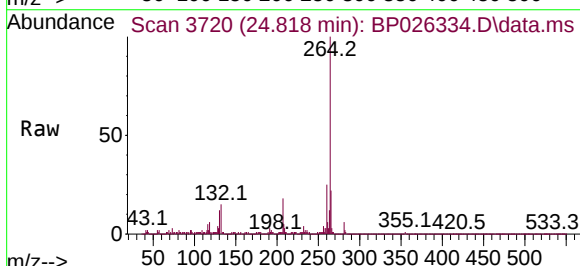
Delta R.T. -0.018 min

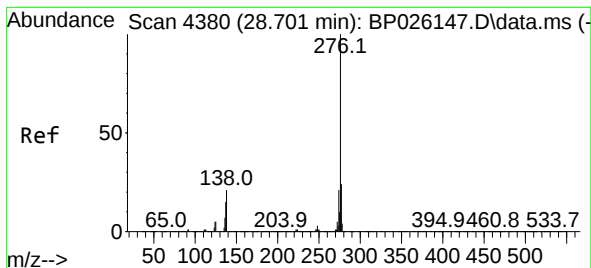
Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Tgt Ion:264 Resp: 1316504

Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.7	28.1
265	22.5	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.397 ng

RT: 28.559 min Scan# 4380

Delta R.T. 0.006 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225

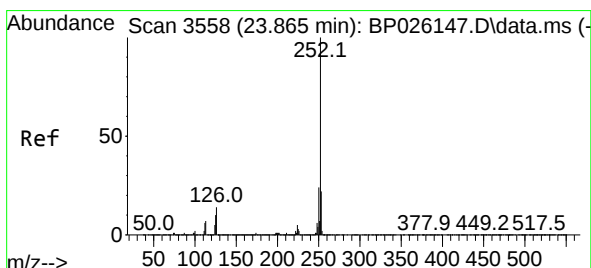
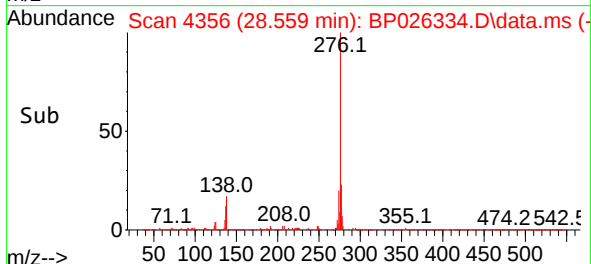
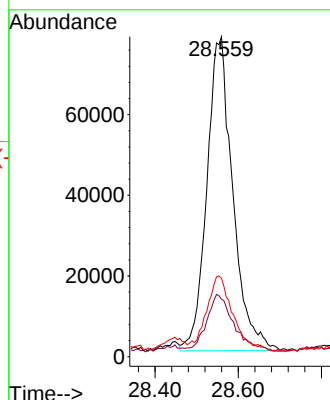
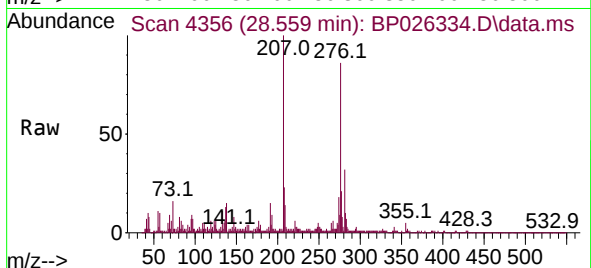
Tgt Ion:	276	Resp:	336952
Ion Ratio	Lower	Upper	
276	100		
138	19.1	13.8	20.8
277	24.6	16.7	25.1

Manual Integrations

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Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025



#88

Benzo(b)fluoranthene

Concen: 7.897 ng

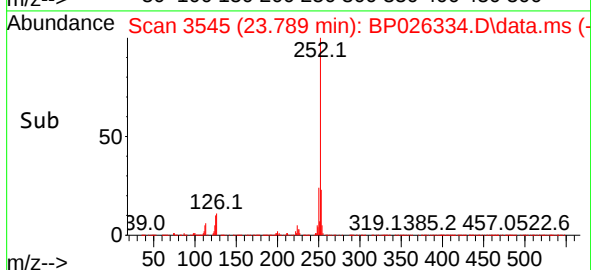
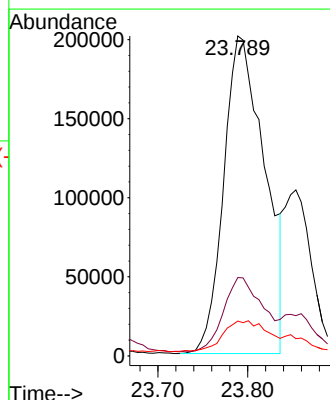
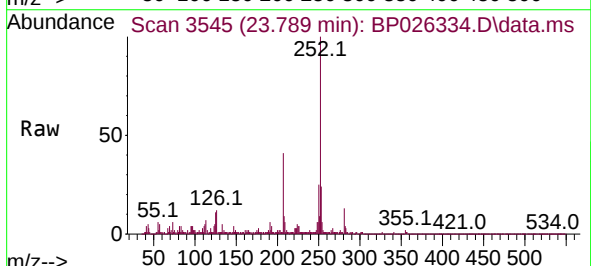
RT: 23.789 min Scan# 3545

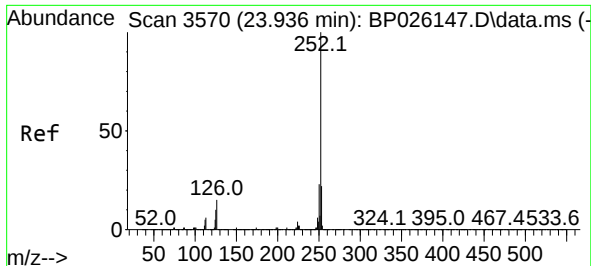
Delta R.T. -0.006 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Tgt Ion:	252	Resp:	638080
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.6	26.4
125	10.9	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 2.651 ng m

RT: 23.854 min Scan# 3570

Delta R.T. -0.012 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225

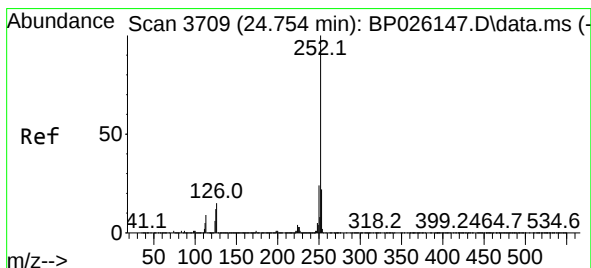
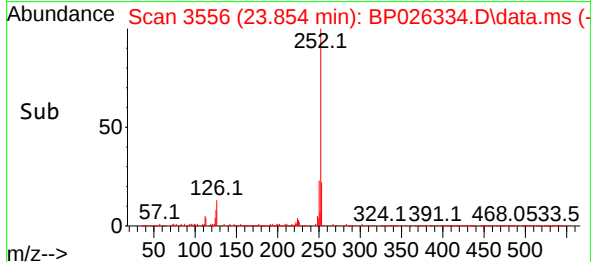
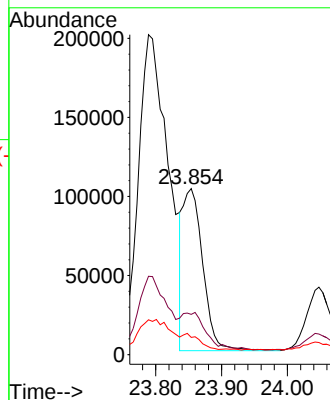
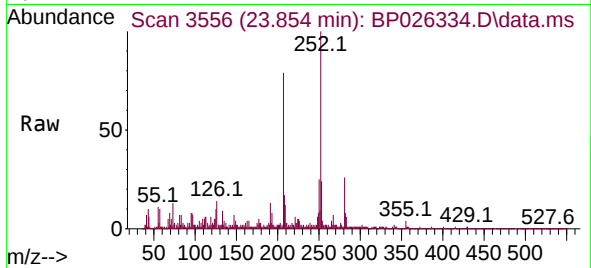
Tgt Ion:	252	Resp:	215198
Ion Ratio	Lower	Upper	
252	100		
253	24.3	17.6	26.4
125	10.4	7.5	11.3

Manual Integrations

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Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025



#90

Benzo(a)pyrene

Concen: 6.290 ng

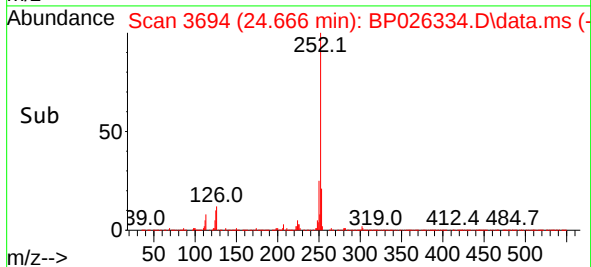
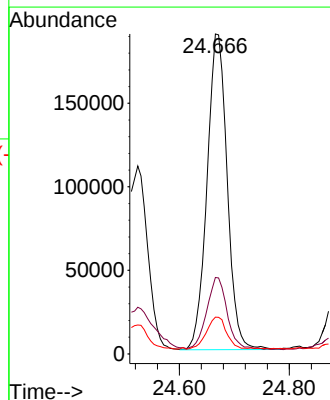
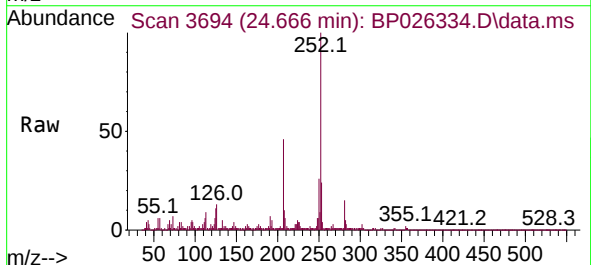
RT: 24.666 min Scan# 3694

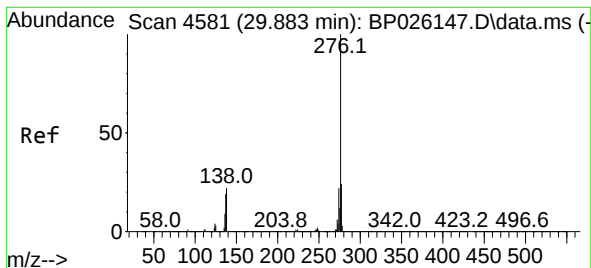
Delta R.T. -0.018 min

Lab File: BP026334.D

Acq: 15 Dec 2025 21:00

Tgt Ion:	252	Resp:	480890
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.4	26.2
125	11.5	9.0	13.6





#92

Benzo(g,h,i)perylene

Concen: 4.009 ng

RT: 29.706 min Scan# 4551

Delta R.T. -0.006 min

Lab File: BP026334.D

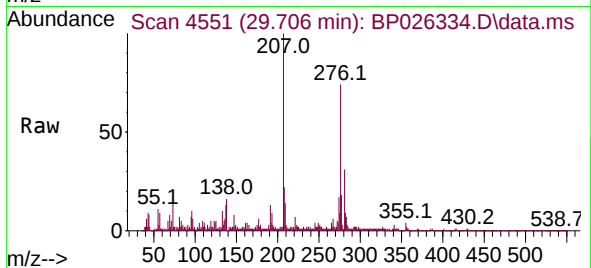
Acq: 15 Dec 2025 21:00

Instrument :

BNA_P

ClientSampleId :

EO-03-121225



Tgt Ion:276 Resp: 323296

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 21.7 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 12/16/2025

Supervised By :Jagrut Upadhyay 12/16/2025

