

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
 Data File : BP025882.D
 Acq On : 29 Sep 2025 15:45
 Operator : CG/JU
 Sample : Q3208-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-ESM-COMP-02

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/30/2025
 Supervised By :Jagrut Upadhyay 09/30/2025

Quant Time: Sep 29 16:09:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 11 16:45:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.743	152	186387	20.000	ng	-0.02
21) Naphthalene-d8	10.519	136	692344	20.000	ng	0.00
39) Acenaphthene-d10	14.366	164	449134	20.000	ng	-0.01
64) Phenanthrene-d10	17.172	188	944584	20.000	ng	-0.01
76) Chrysene-d12	21.625	240	1039727	20.000	ng	-0.02
86) Perylene-d12	24.989	264	1168499	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	808547	69.996	ng	0.00
7) Phenol-d6	6.949	99	938202	61.105	ng	0.00
23) Nitrobenzene-d5	8.896	82	614264	39.136	ng	0.00
42) 2,4,6-Tribromophenol	15.890	330	432367	77.180	ng	-0.02
45) 2-Fluorobiphenyl	12.966	172	1369083	40.588	ng	-0.02
79) Terphenyl-d14	19.895	244	2454129	42.463	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	17.213	178	285833	5.334	ng	99
75) Fluoranthene	19.301	202	963669	14.996	ng	99
78) Pyrene	19.683	202	856067	12.340	ng	98
81) Benzo(a)anthracene	21.607	228	444084	6.239	ng	99
83) Chrysene	21.672	228	509601	7.510	ng	97
84) Bis(2-ethylhexyl)phtha...	21.525	149	190009	4.270	ng	99
87) Indeno(1,2,3-cd)pyrene	28.812	276	391433	4.606	ng	# 84
88) Benzo(b)fluoranthene	23.919	252	763169	10.680	ng	98
89) Benzo(k)fluoranthene	23.977	252	257910m	3.537	ng	
90) Benzo(a)pyrene	24.819	252	470216	6.720	ng	98
92) Benzo(g,h,i)perylene	29.989	276	393483	5.754	ng	95

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

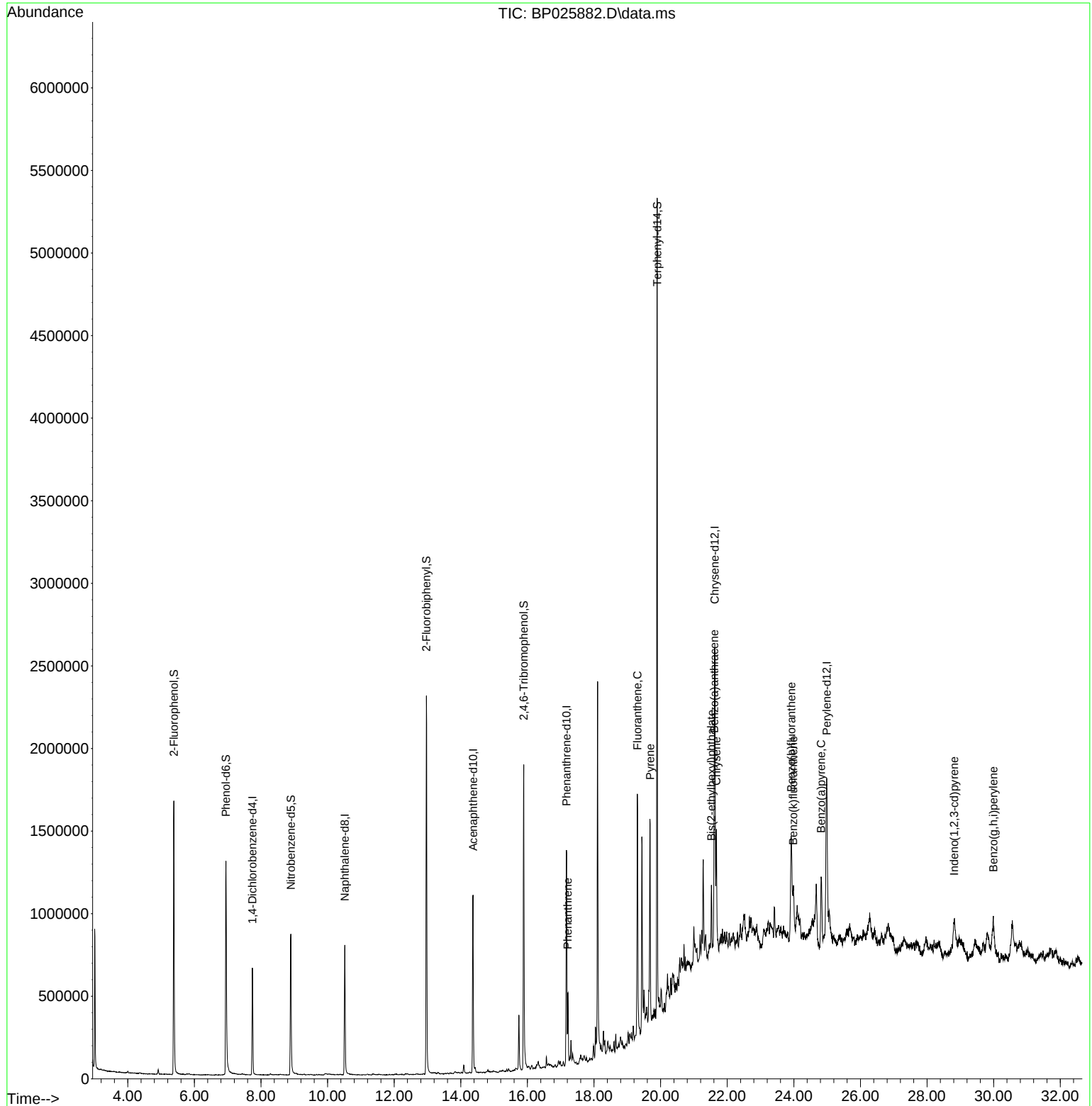
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092925\
Data File : BP025882.D
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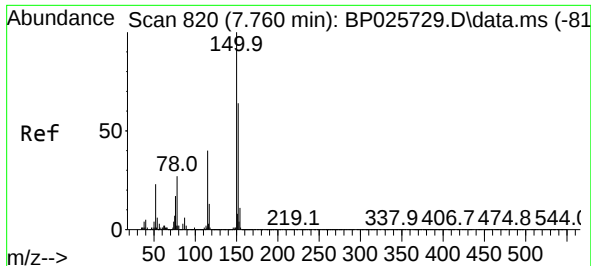
Instrument :
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Quant Time: Sep 29 16:09:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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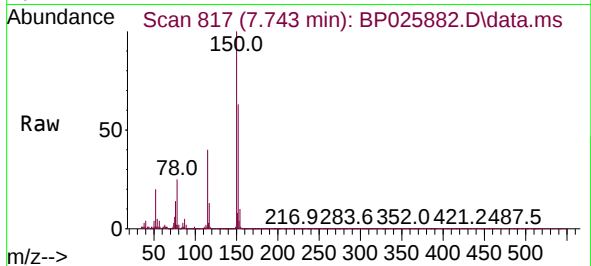
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.743 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

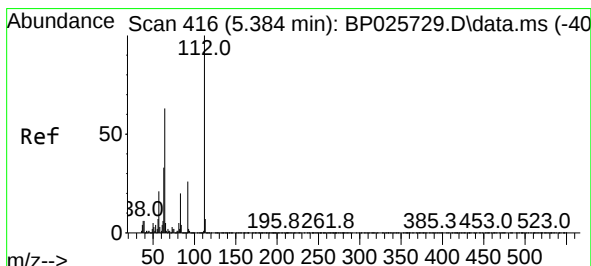
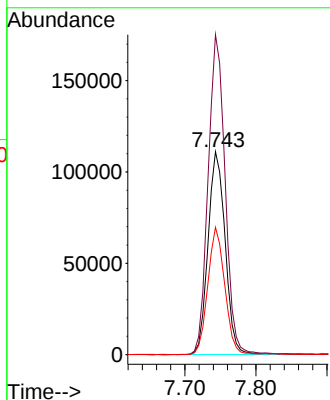
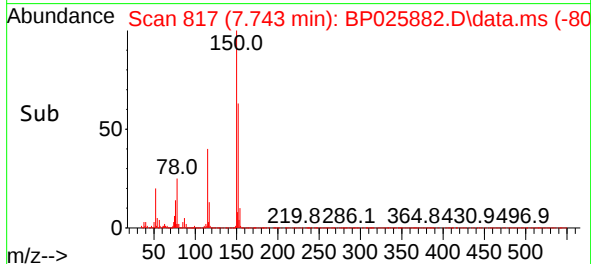
Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-02



Tgt Ion:152 Resp: 18638
Ion Ratio Lower Upper
152 100
150 157.7 124.3 186.5
115 62.8 50.3 75.5

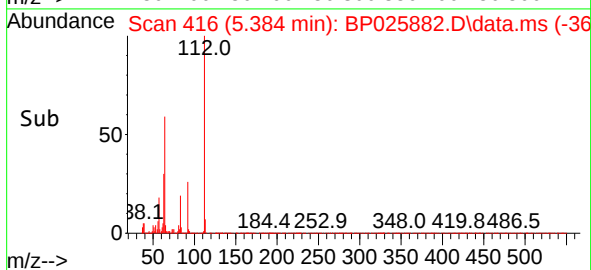
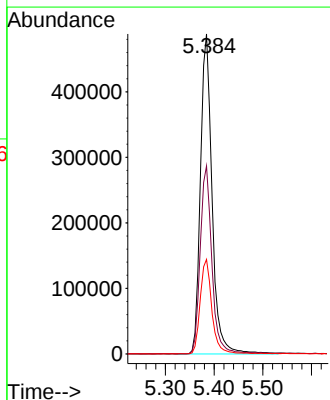
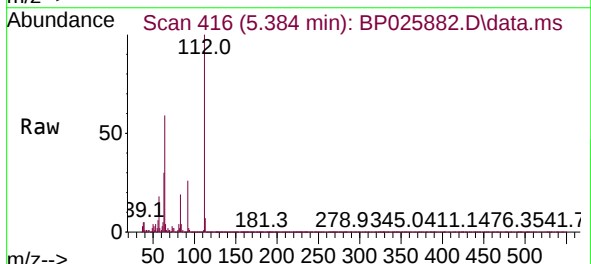
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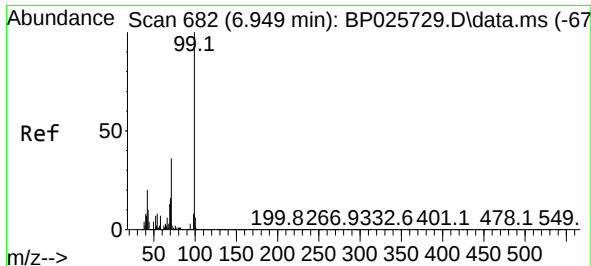
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#5
2-Fluorophenol
Concen: 69.996 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

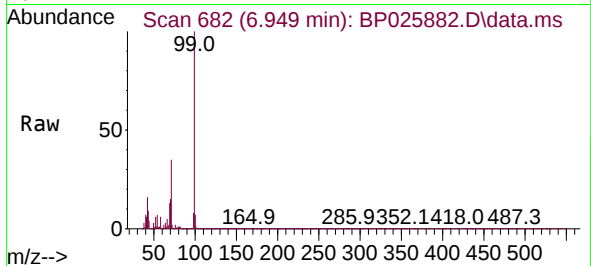
Tgt Ion:112 Resp: 808547
Ion Ratio Lower Upper
112 100
64 58.7 50.2 75.4
63 29.5 26.7 40.1





#7
Phenol-d6
Concen: 61.105 ng
RT: 6.949 min Scan# 682
Delta R.T. 0.000 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

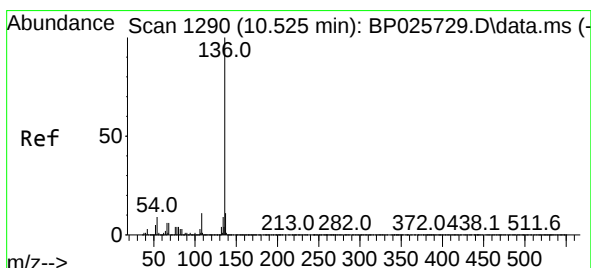
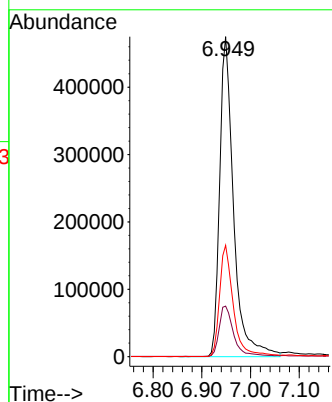
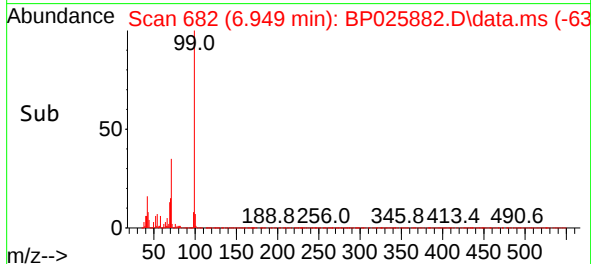
Instrument :
BNA_P
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Tgt Ion: 99 Resp: 938202
Ion Ratio Lower Upper
99 100
42 15.8 15.6 23.4
71 34.8 28.6 43.0

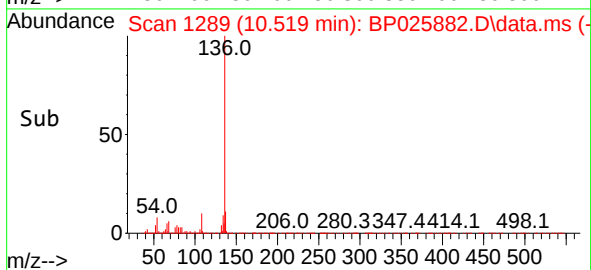
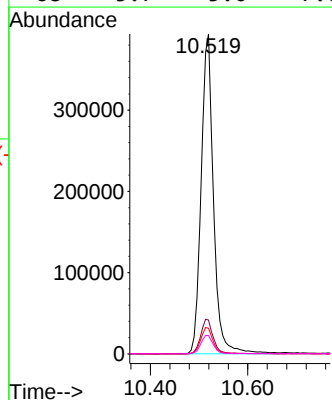
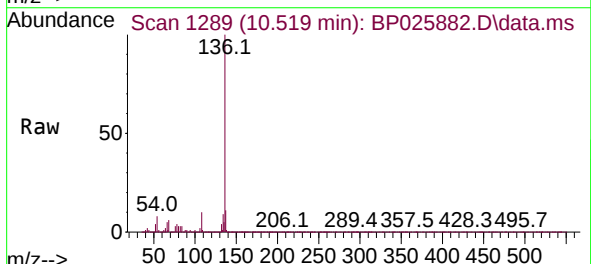
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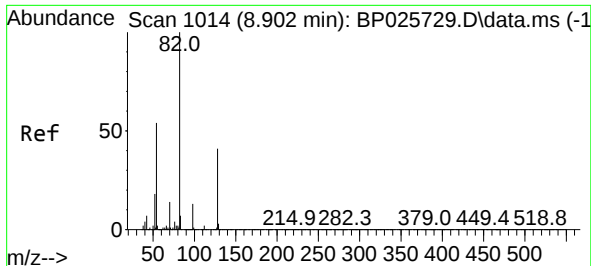
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.519 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

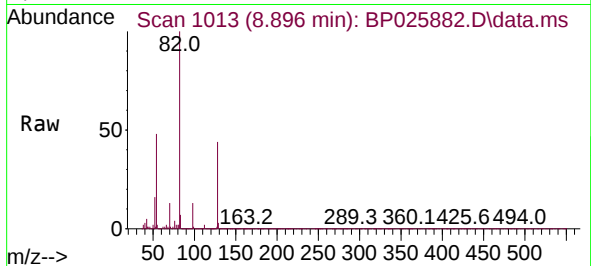
Tgt Ion:136 Resp: 692344
Ion Ratio Lower Upper
136 100
137 10.6 8.7 13.1
54 8.0 7.5 11.3
68 5.7 5.0 7.6





#23
Nitrobenzene-d5
Concen: 39.136 ng
RT: 8.896 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

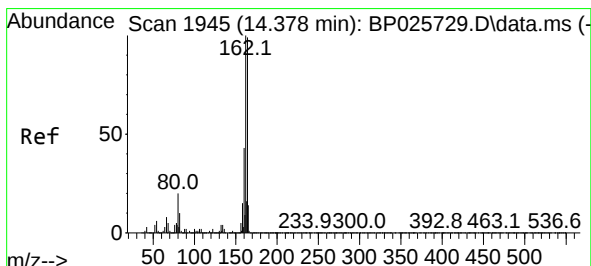
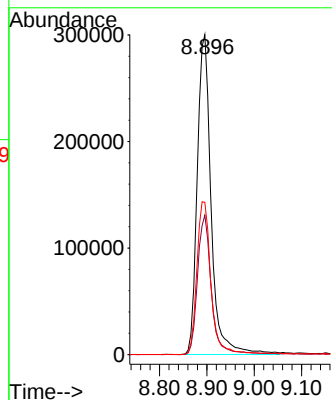
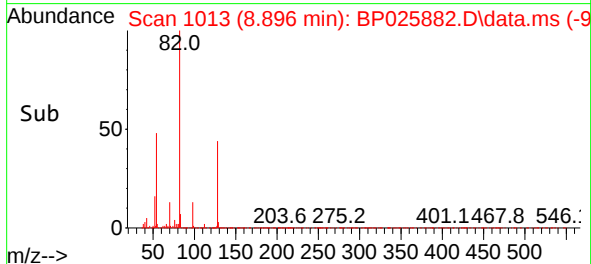
Instrument :
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ClientSampleId :
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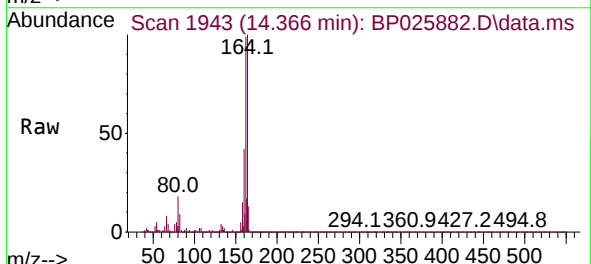
Tgt Ion: 82 Resp: 614264
Ion Ratio Lower Upper
82 100
128 43.6 32.9 49.3
54 47.6 43.4 65.2

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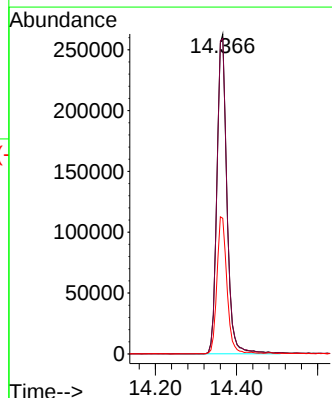
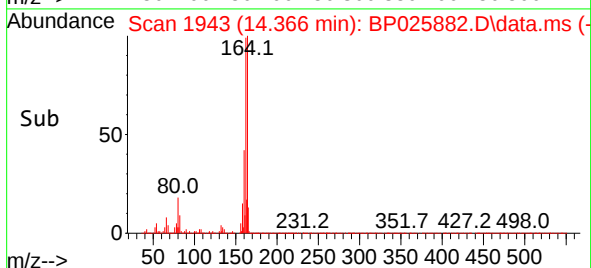
Reviewed By :Rahul Chavli 09/30/2025
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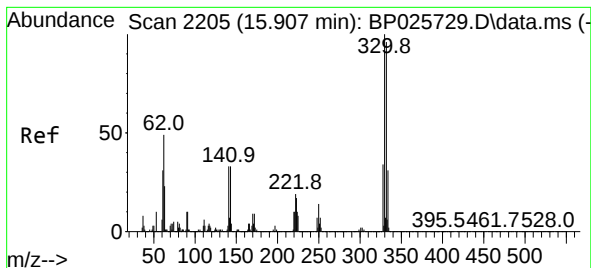


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.366 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45



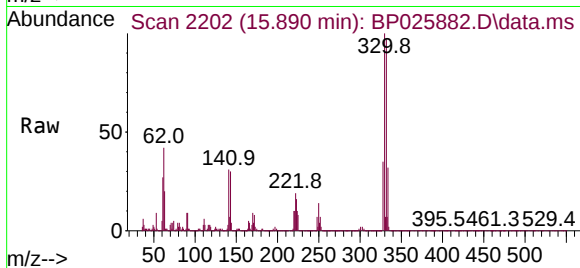
Tgt Ion:164 Resp: 449134
Ion Ratio Lower Upper
164 100
162 98.5 80.6 120.8
160 42.4 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 77.180 ng
RT: 15.890 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

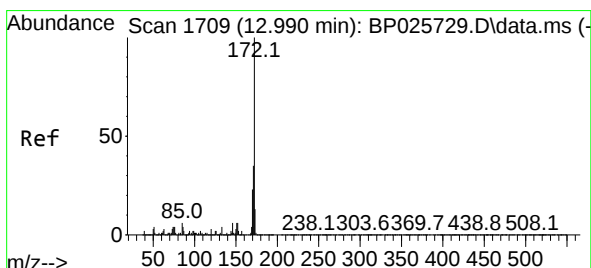
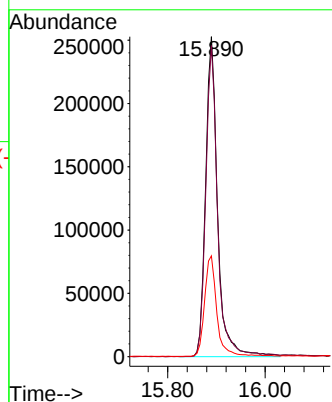
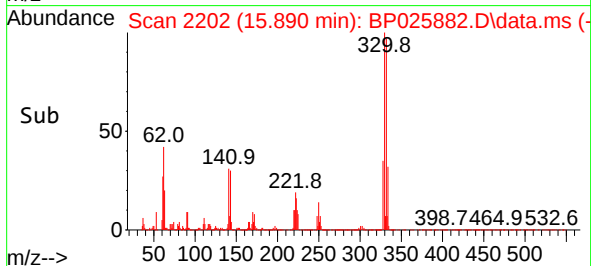
Instrument :
BNA_P
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Tgt Ion: 330 Resp: 432362
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 32.3 31.0 46.4

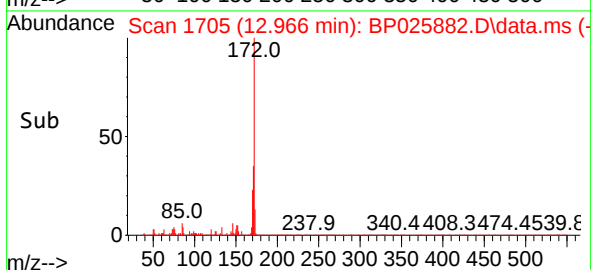
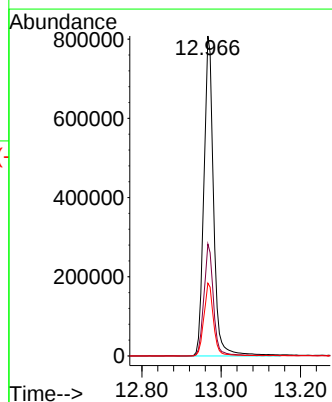
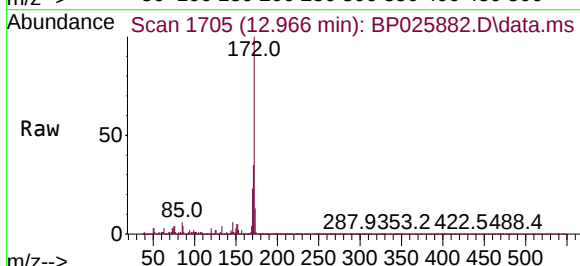
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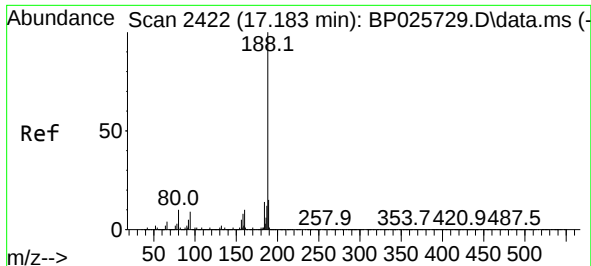
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#45
2-Fluorobiphenyl
Concen: 40.588 ng
RT: 12.966 min Scan# 1705
Delta R.T. -0.023 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion: 172 Resp: 1369083
Ion Ratio Lower Upper
172 100
171 35.0 27.8 41.6
170 22.7 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.172 min Scan# 2420
Delta R.T. -0.012 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

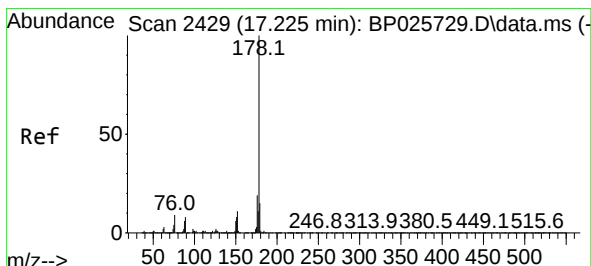
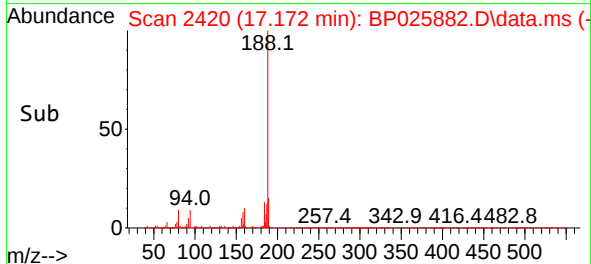
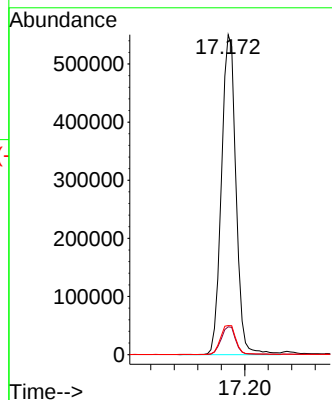
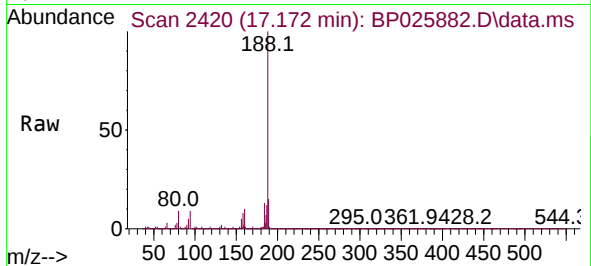
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Tgt Ion:188 Resp: 944584
Ion Ratio Lower Upper
188 100
94 8.7 7.4 11.0
80 9.1 7.7 11.5

Manual Integrations

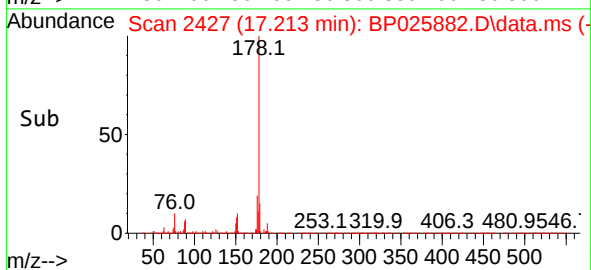
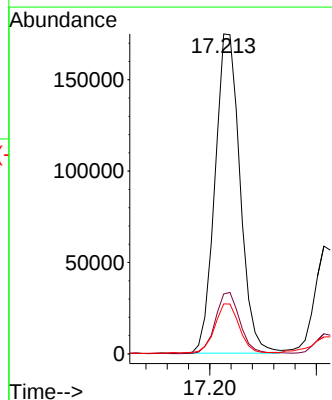
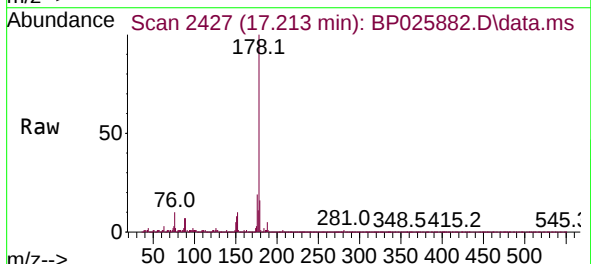
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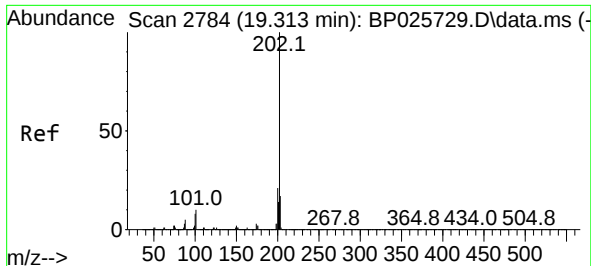
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#71
Phenanthrene
Concen: 5.334 ng
RT: 17.213 min Scan# 2427
Delta R.T. -0.012 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

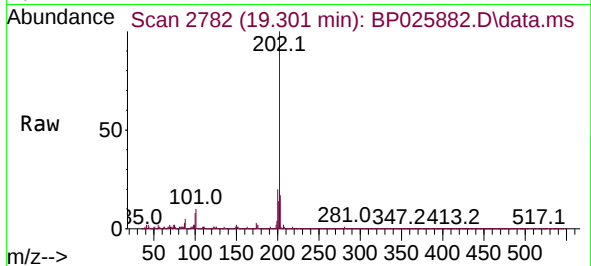
Tgt Ion:178 Resp: 285833
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 14.996 ng
RT: 19.301 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

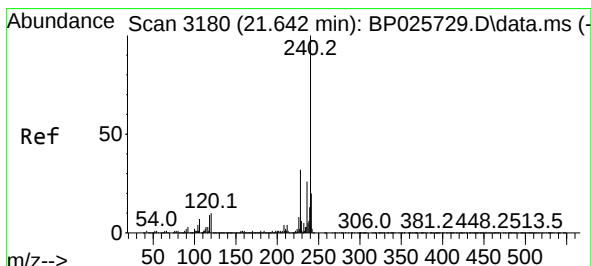
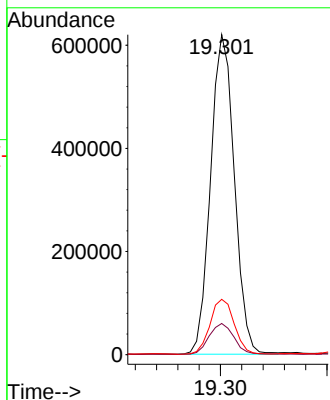
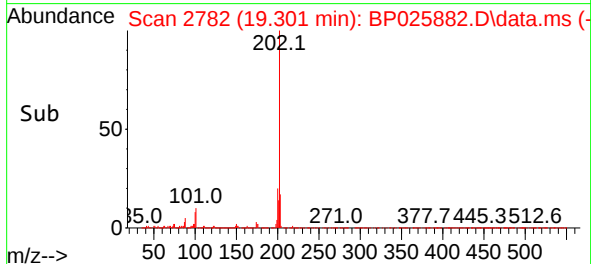
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Tgt Ion:202 Resp: 963669
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.4
203 17.3 0.0 37.4

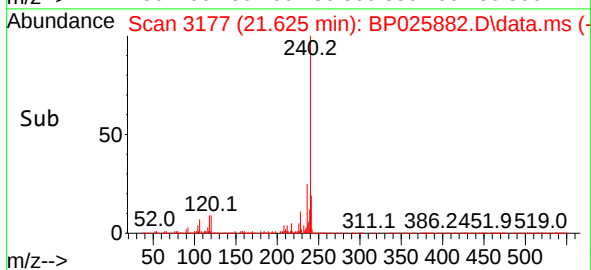
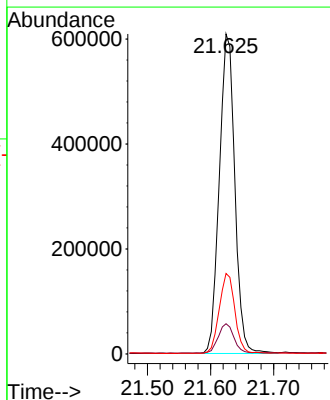
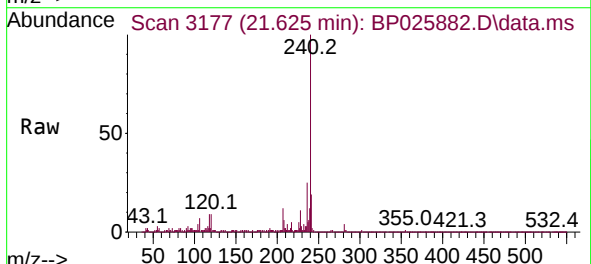
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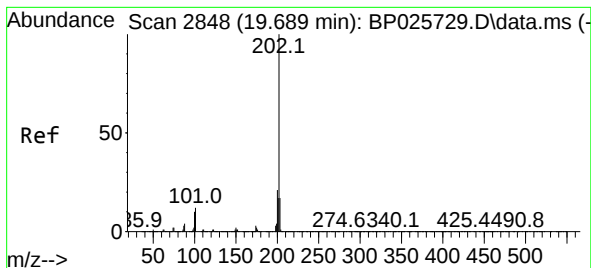
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.625 min Scan# 3177
Delta R.T. -0.018 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:240 Resp: 1039727
Ion Ratio Lower Upper
240 100
120 9.4 8.0 12.0
236 25.1 20.7 31.1





#78

Pyrene

Concen: 12.340 ng

RT: 19.683 min Scan# 2848

Delta R.T. -0.006 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

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SU-ESM-COMP-02

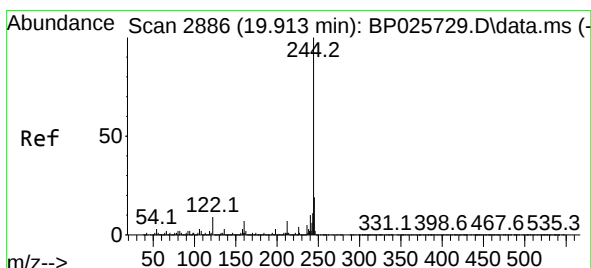
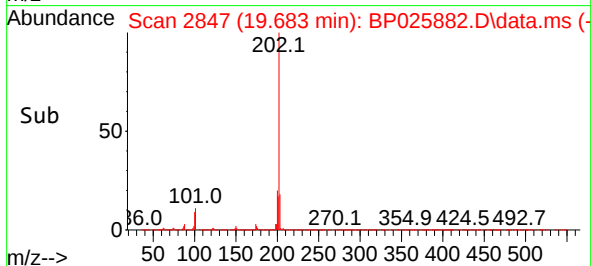
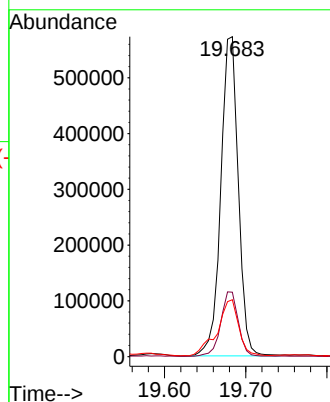
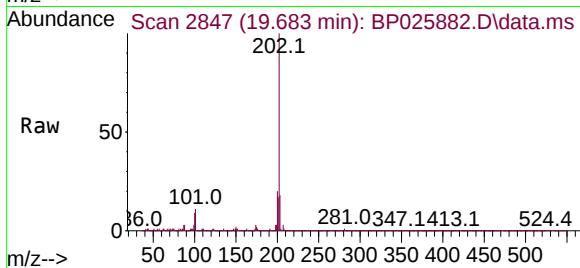
Tgt Ion:202 Resp: 856062
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.0 25.6
 203 17.8 13.9 20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 42.463 ng

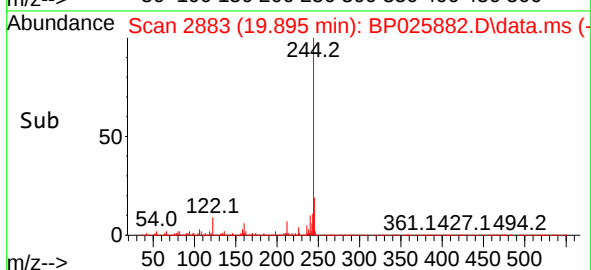
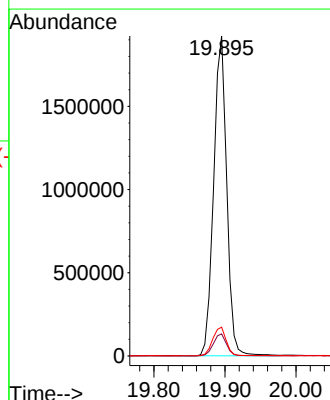
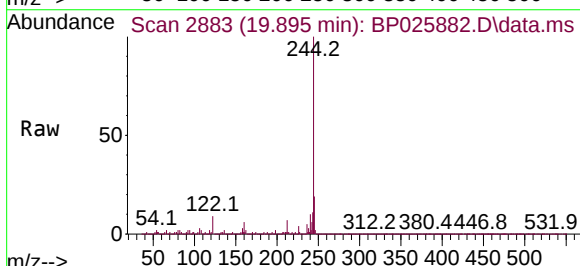
RT: 19.895 min Scan# 2883

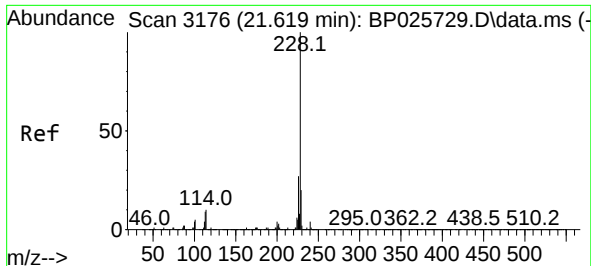
Delta R.T. -0.018 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Tgt Ion:244 Resp: 2454129
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 9.0 7.1 10.7





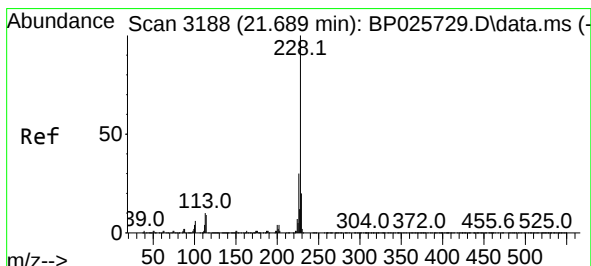
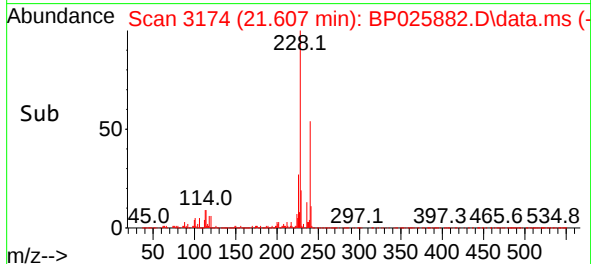
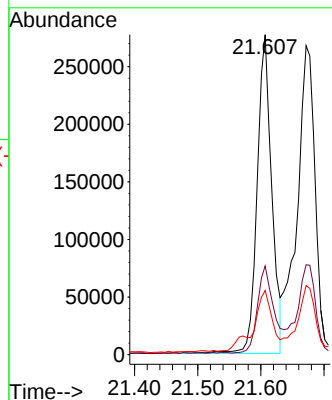
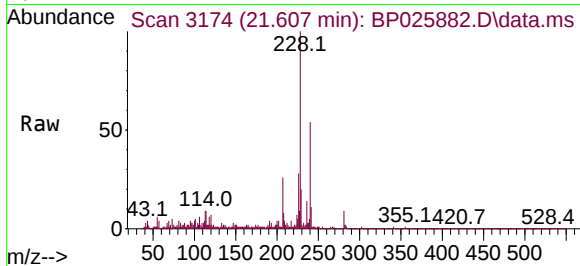
#81
Benzo(a)anthracene
Concen: 6.239 ng
RT: 21.607 min Scan# 3176
Delta R.T. -0.012 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-02

Tgt Ion:228 Resp: 444084
Ion Ratio Lower Upper
228 100
226 27.7 21.6 32.4
229 20.0 15.7 23.5

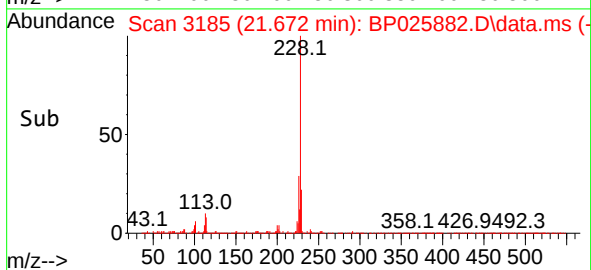
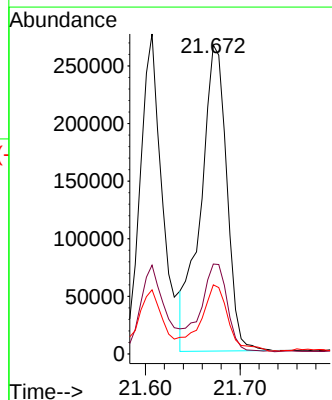
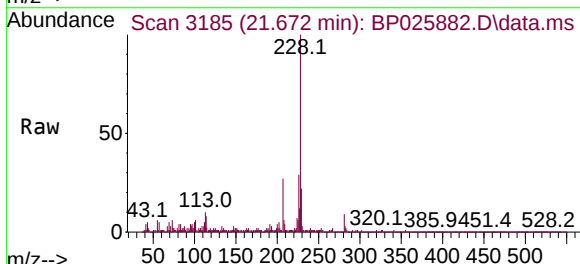
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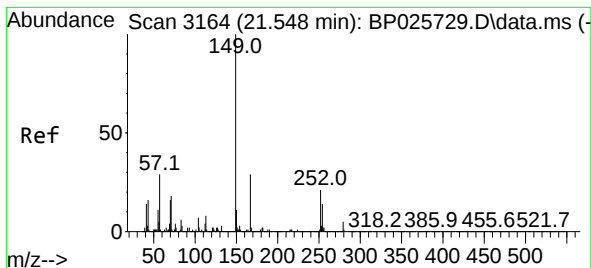
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#83
Chrysene
Concen: 7.510 ng
RT: 21.672 min Scan# 3185
Delta R.T. -0.018 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:228 Resp: 509601
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.6
229 22.3 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.270 ng

RT: 21.525 min Scan# 3164

Delta R.T. -0.023 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02

Tgt Ion:149 Resp: 190009

Ion Ratio Lower Upper

149 100

167 28.3 22.9 34.3

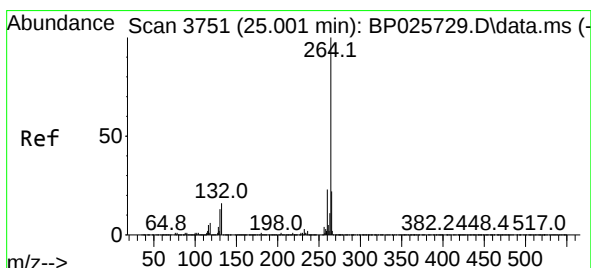
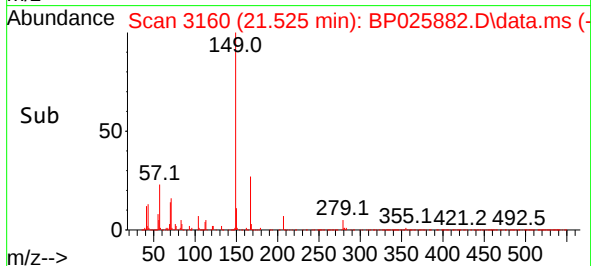
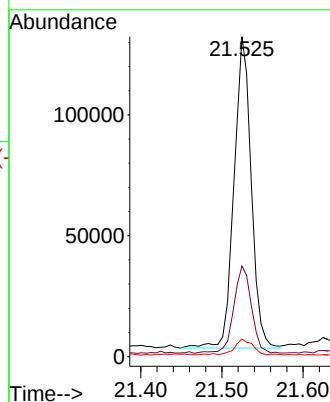
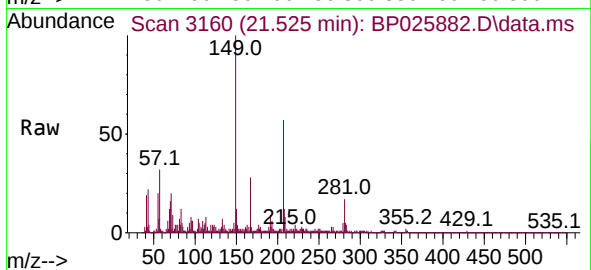
279 5.5 3.8 5.8

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.989 min Scan# 3749

Delta R.T. -0.012 min

Lab File: BP025882.D

Acq: 29 Sep 2025 15:45

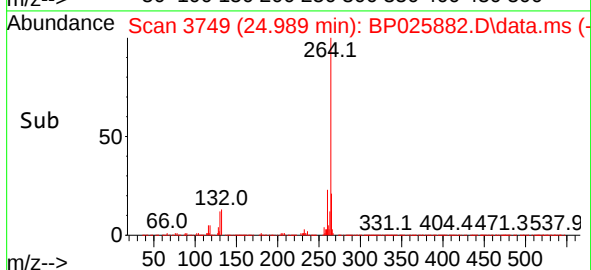
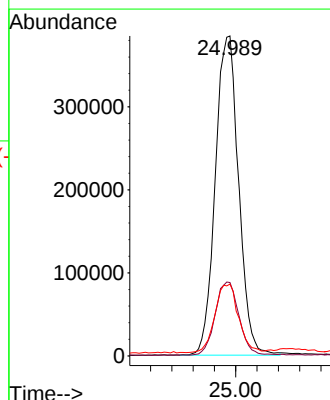
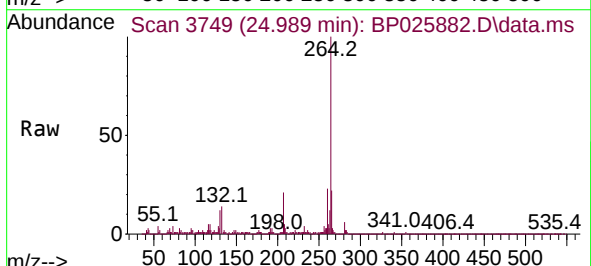
Tgt Ion:264 Resp: 1168499

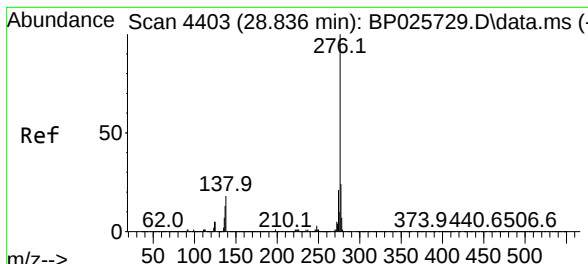
Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 22.4 17.3 25.9





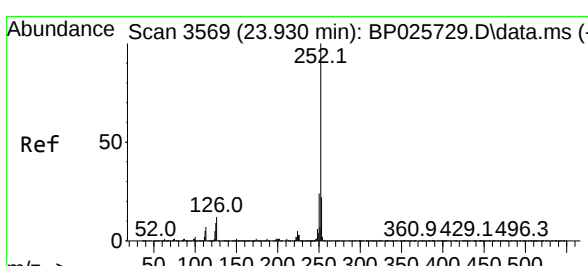
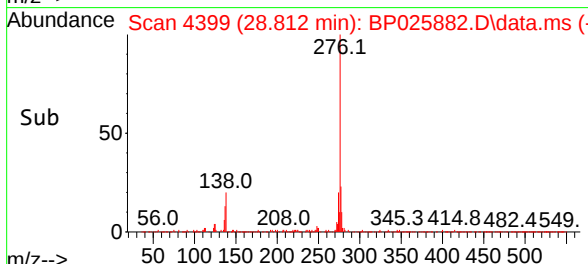
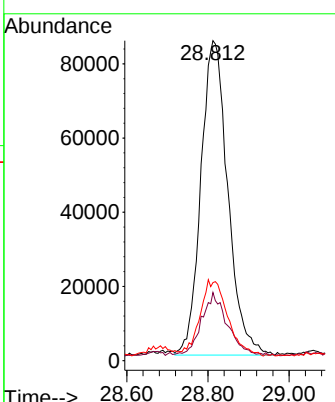
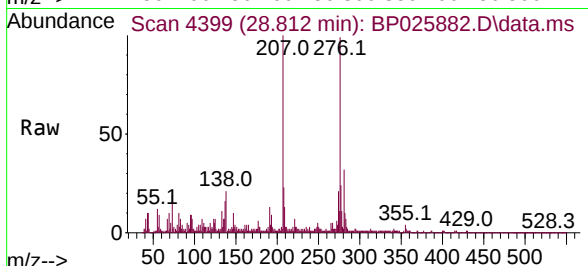
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.606 ng
 RT: 28.812 min Scan# 4399
 Delta R.T. -0.023 min
 Lab File: BP025882.D
 Acq: 29 Sep 2025 15:45

Instrument : BNA_P
 ClientSampleId : SU-ESM-COMP-02

Tgt Ion: 276 Resp: 39143

Ion	Ratio	Lower	Upper
276	100		
138	18.2	13.4	20.2
277	24.9	9.1	13.7

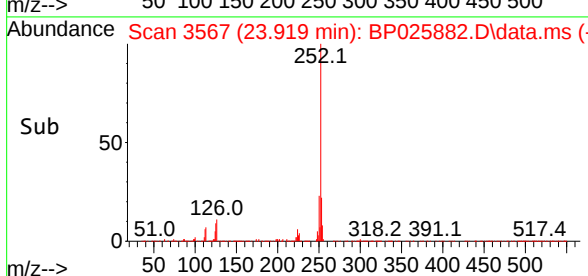
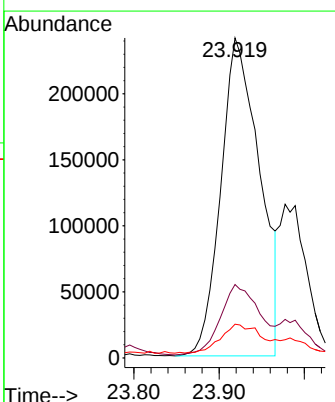
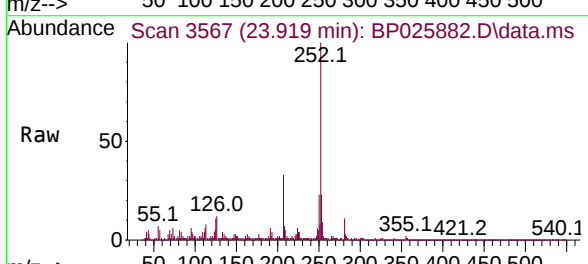
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 Reviewed By :Rahul Chavli 09/30/2025
 Supervised By :Jagrut Upadhyay 09/30/2025

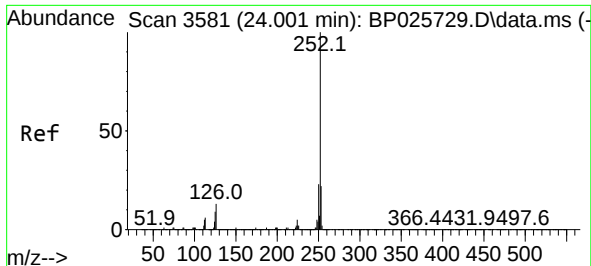


#88
 Benzo(b)fluoranthene
 Concen: 10.680 ng
 RT: 23.919 min Scan# 3567
 Delta R.T. -0.012 min
 Lab File: BP025882.D
 Acq: 29 Sep 2025 15:45

Tgt Ion: 252 Resp: 763169

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.5	7.3	10.9





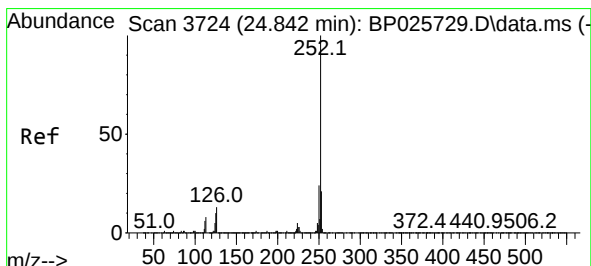
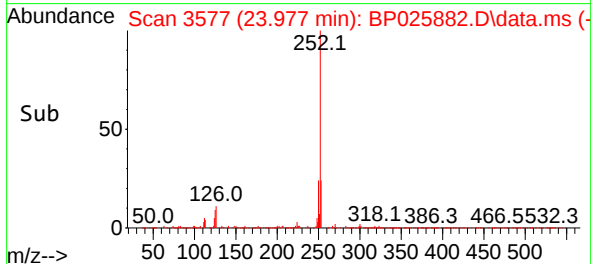
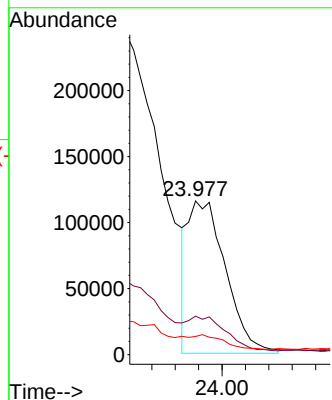
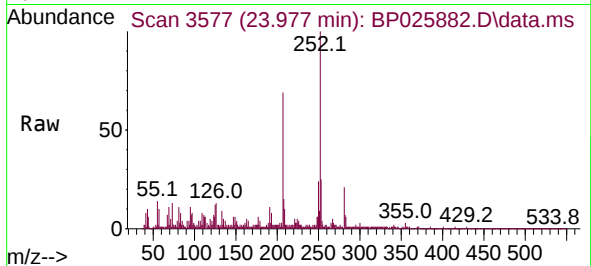
#89
Benzo(k)fluoranthene
Concen: 3.537 ng m
RT: 23.977 min Scan# 3581
Delta R.T. -0.023 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Instrument :
BNA_P
ClientSampleId :
SU-ESM-COMP-02

Tgt Ion:252 Resp: 257910
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 11.9 7.5 11.3

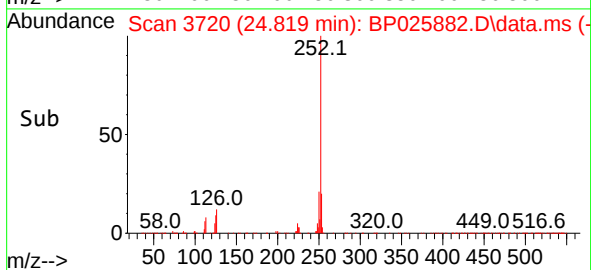
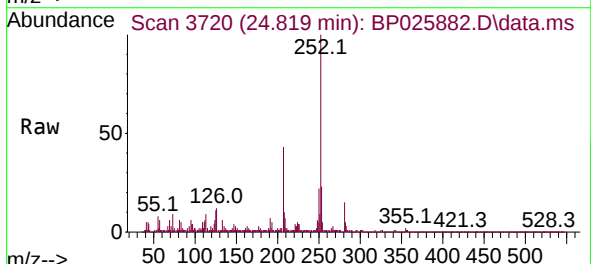
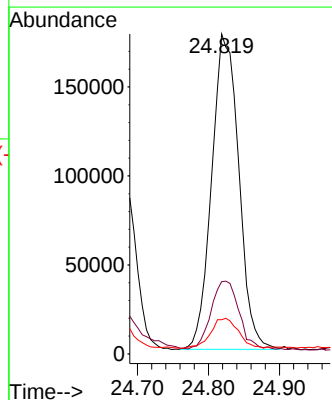
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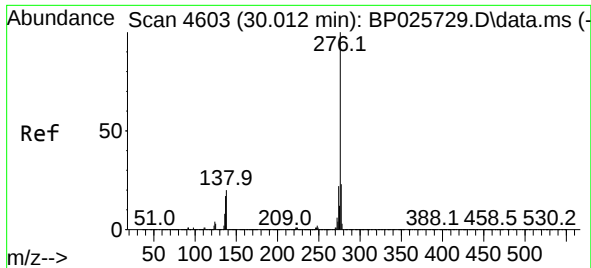
Reviewed By :Rahul Chavli 09/30/2025
Supervised By :Jagrut Upadhyay 09/30/2025



#90
Benzo(a)pyrene
Concen: 6.720 ng
RT: 24.819 min Scan# 3720
Delta R.T. -0.023 min
Lab File: BP025882.D
Acq: 29 Sep 2025 15:45

Tgt Ion:252 Resp: 470216
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 10.7 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 5.754 ng

RT: 29.989 min Scan# 4599

Delta R.T. -0.023 min

Lab File: BP025882.D

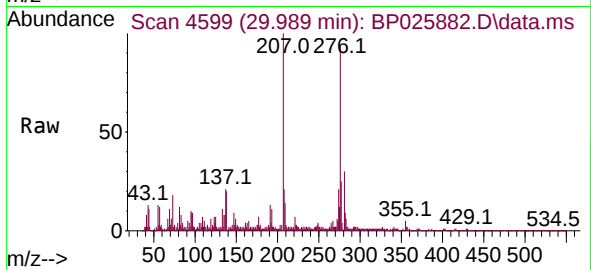
Acq: 29 Sep 2025 15:45

Instrument :

BNA_P

ClientSampleId :

SU-ESM-COMP-02



Tgt Ion: 276 Resp: 393483

Ion Ratio Lower Upper

276 100

277 26.7 18.7 28.1

138 21.1 16.0 24.0

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Reviewed By :Rahul Chavli 09/30/2025

Supervised By :Jagrut Upadhyay 09/30/2025

