

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
 Data File : BP025128.D
 Acq On : 14 Jul 2025 20:32
 Operator : CG/JU
 Sample : Q2489-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 G2(0-6)

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025

Quant Time: Jul 15 01:16:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 03 16:05:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.449	152	56	20.000	ng	# 0.00
21) Naphthalene-d8	10.160	136	116	20.000	ng	#-0.02
39) Acenaphthene-d10	14.066	164	193	20.000	ng	#-0.02
64) Phenanthrene-d10	16.884	188	306	20.000	ng	#-0.02
76) Chrysene-d12	0.000	240	0m	20.000	ng	-21.34
86) Perylene-d12	24.460	264	296	20.000	ng	#-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.096	112	1793699	567529.783	ng	0.00
7) Phenol-d6	6.625	99	1359267	329563.553	ng	0.00
23) Nitrobenzene-d5	8.566	82	2843872	1630444.008	ng	0.00
42) 2,4,6-Tribromophenol	15.607	330	1960737	859981.684	ng	-0.01
45) 2-Fluorobiphenyl	12.684	172	6804487	546180.368	ng	-0.01
79) Terphenyl-d14	19.660	244	9705704	0.000	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.231	128	38431	6434.030	ng	98
32) Benzoic acid	9.413	122	5463	3922.203	ng	91
37) 2-Methylnaphthalene	11.849	142	16154	3832.997	ng	92
38) 1-Methylnaphthalene	12.078	142	12031m	2927.062	ng	
46) 1,1'-Biphenyl	12.890	154	4947	352.288	ng	# 71
50) Dimethylphthalate	13.537	163	776652	57487.027	ng	99
52) Acenaphthene	14.143	154	20163	1936.573	ng	99
55) Dibenzofuran	14.490	168	10170	591.876	ng	# 90
58) Fluorene	15.154	166	16074	1209.449	ng	99
60) Diethylphthalate	14.943	149	18868	1390.496	ng	97
71) Phenanthrene	16.931	178	75982	4646.963	ng	98
72) Anthracene	17.037	178	14578	929.330	ng	97
73) Carbazole	17.313	167	9831	640.977	ng	94
74) Di-n-butylphthalate	17.942	149	28666	1678.378	ng	# 96
75) Fluoranthene	19.036	202	29329	1534.542	ng	94

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

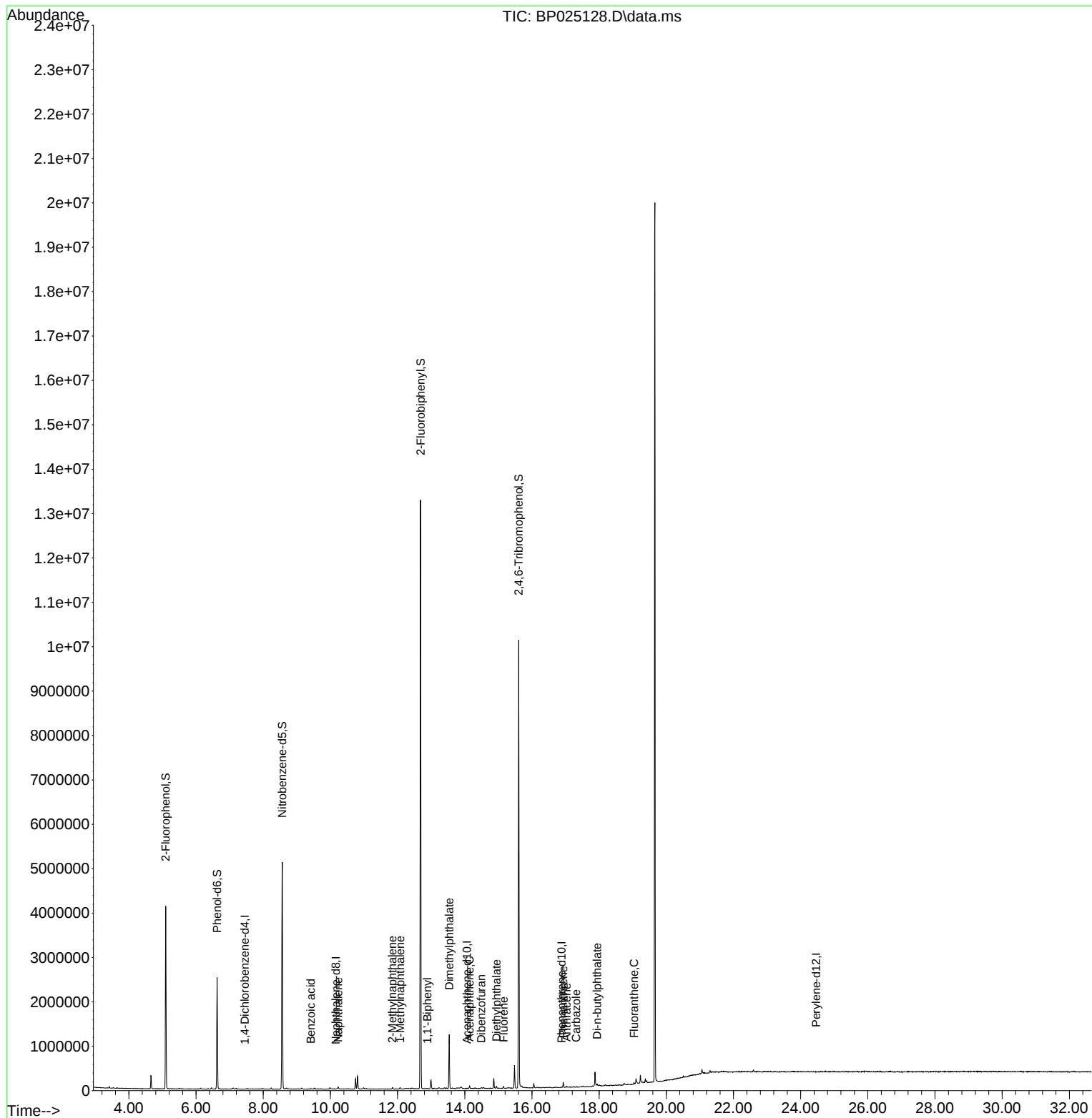
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071425\
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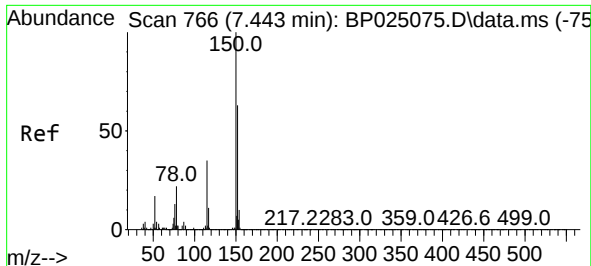
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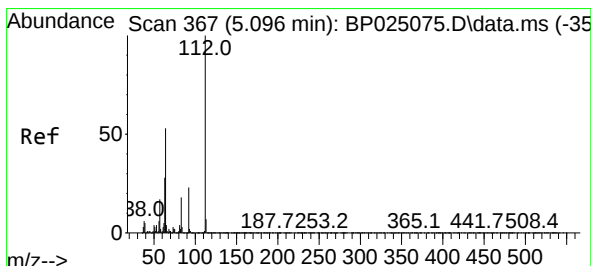
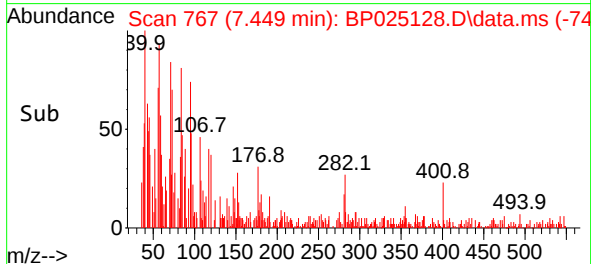
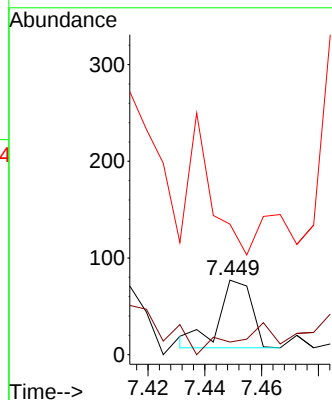
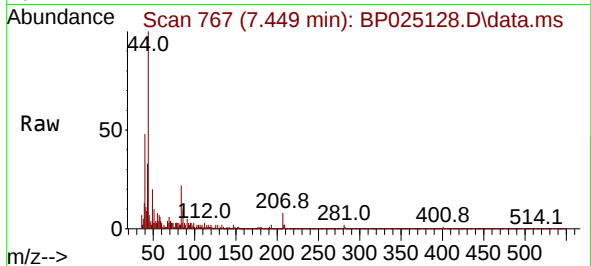
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.449 min Scan# 766
Delta R.T. 0.006 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

Instrument :
BNA_P
ClientSampleId :
G2(0-6)

Tgt Ion:152 Resp: 50
Ion Ratio Lower Upper
152 100
150 16.9 126.1 189.1
115 175.3 44.3 66.5

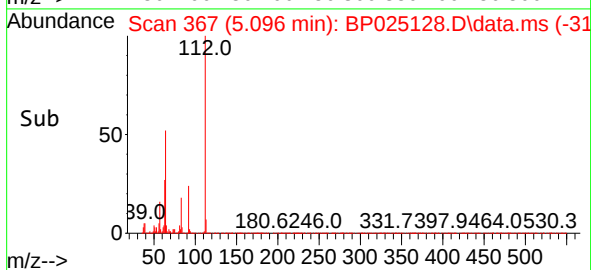
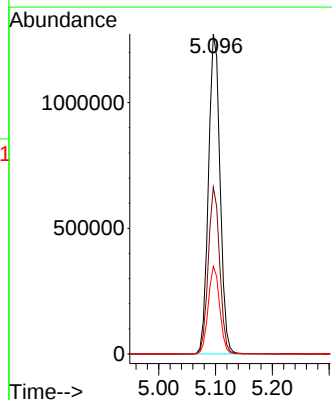
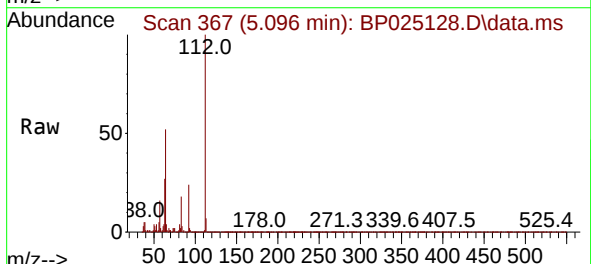
Manual Integrations
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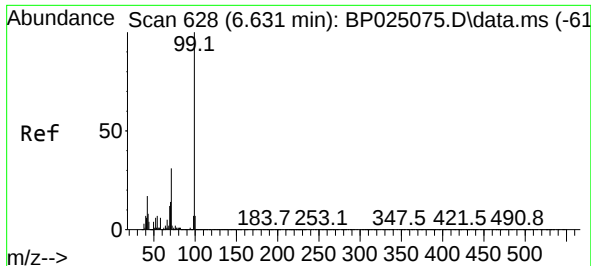
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#5
2-Fluorophenol
Concen: 567529.783 ng
RT: 5.096 min Scan# 367
Delta R.T. 0.000 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

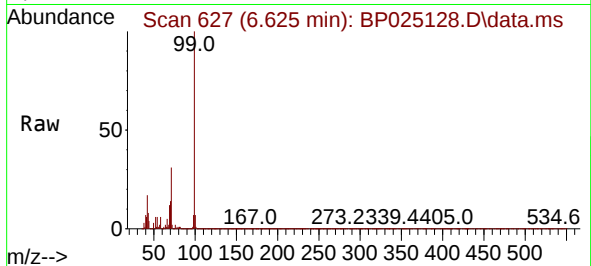
Tgt Ion:112 Resp: 1793699
Ion Ratio Lower Upper
112 100
64 52.1 42.0 63.0
63 27.4 22.2 33.2





#7
Phenol-d6
Concen: 329563.553 ng
RT: 6.625 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

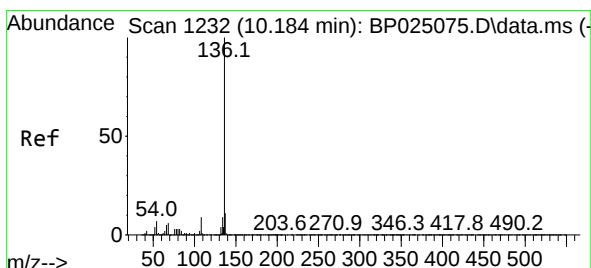
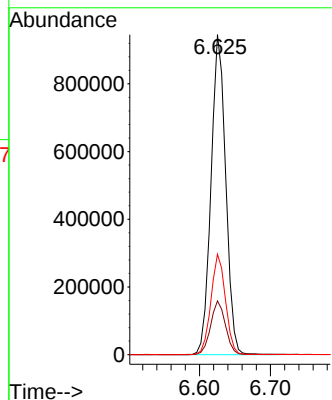
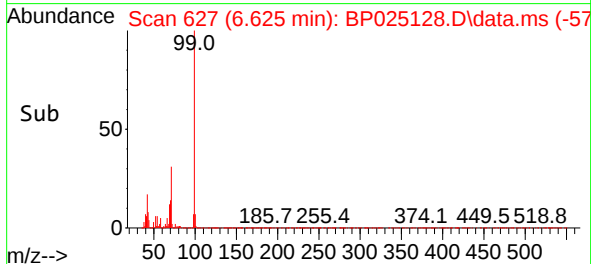
Instrument :
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G2(0-6)



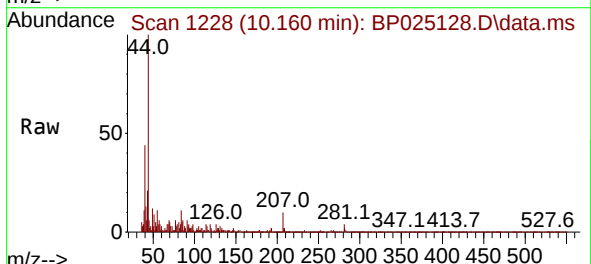
Tgt Ion: 99 Resp: 135926
Ion Ratio Lower Upper
99 100
42 16.8 13.6 20.4
71 31.4 24.4 36.6

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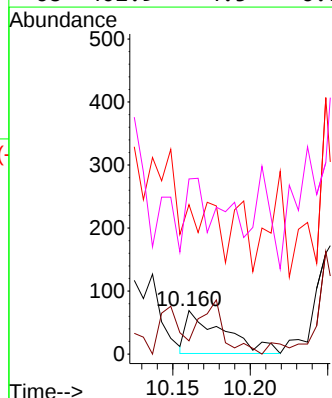
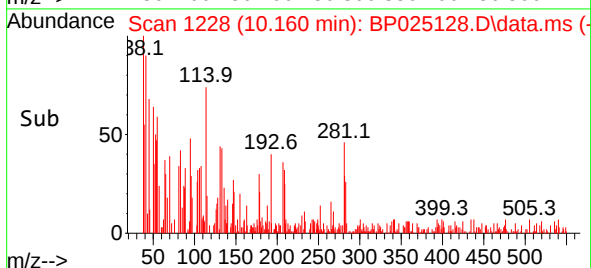
Reviewed By :Rahul Chavli 07/15/2025
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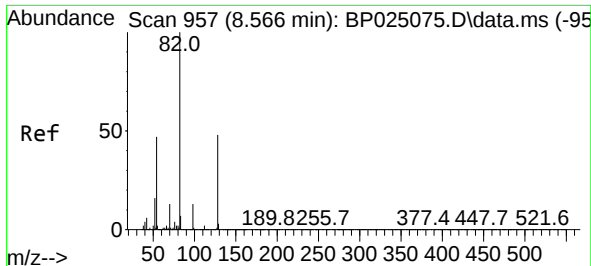


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.160 min Scan# 1228
Delta R.T. -0.023 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32



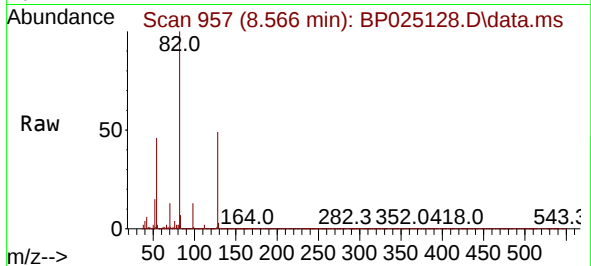
Tgt Ion:136 Resp: 116
Ion Ratio Lower Upper
136 100
137 30.4 8.7 13.1#
54 343.5 5.4 8.2#
68 402.9 4.5 6.7#





#23
Nitrobenzene-d5
Concen: 1630444.008 ng
RT: 8.566 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

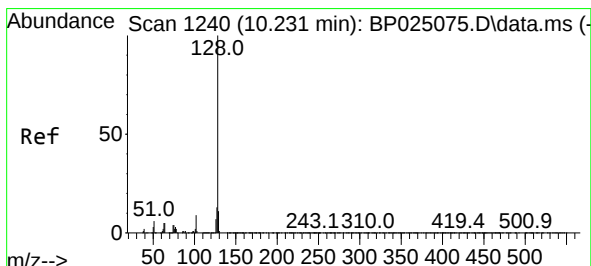
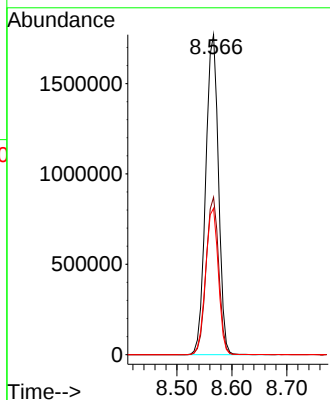
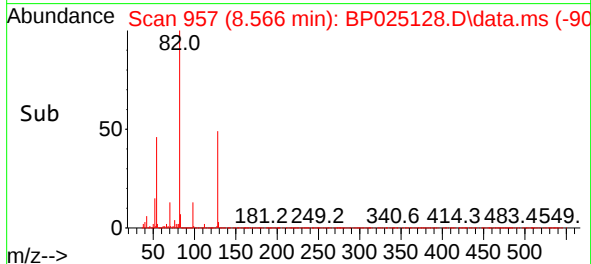
Instrument :
BNA_P
ClientSampleId :
G2(0-6)



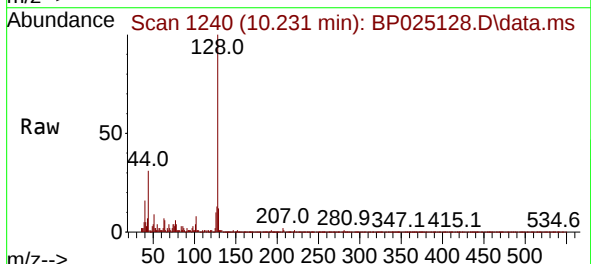
Tgt Ion: 82 Resp: 2843872
Ion Ratio Lower Upper
82 100
128 49.2 38.4 57.6
54 45.8 37.8 56.6

Manual Integrations
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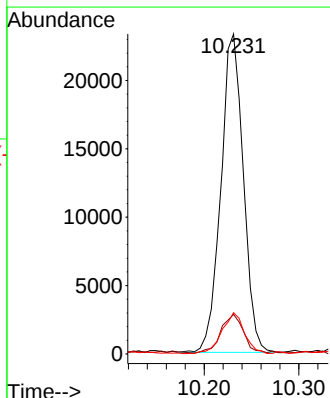
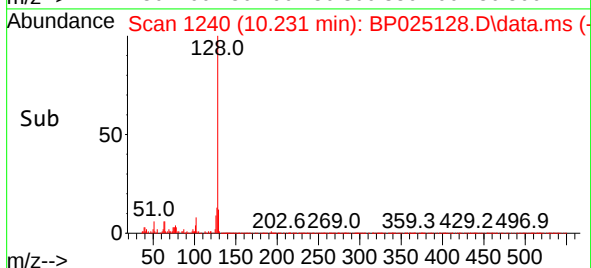
Reviewed By :Rahul Chavli 07/15/2025
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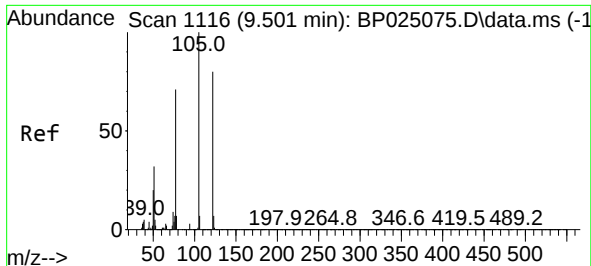


#31
Naphthalene
Concen: 6434.030 ng
RT: 10.231 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32



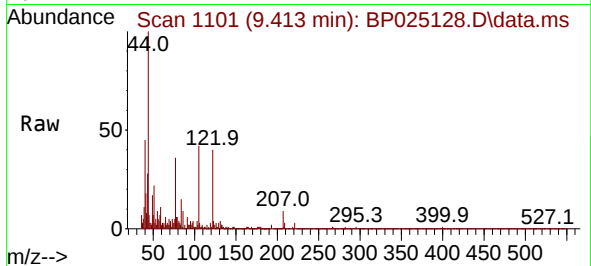
Tgt Ion:128 Resp: 38431
Ion Ratio Lower Upper
128 100
129 12.4 8.9 13.3
127 12.9 10.4 15.6





#32
Benzoic acid
Concen: 3922.203 ng
RT: 9.413 min Scan# 1116
Delta R.T. -0.088 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

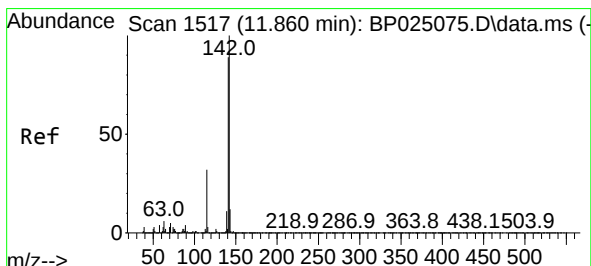
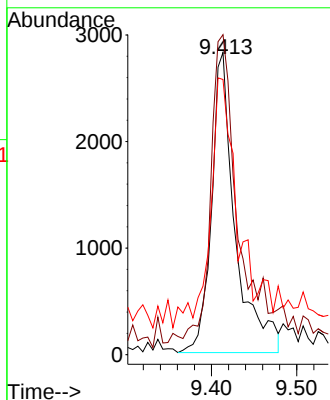
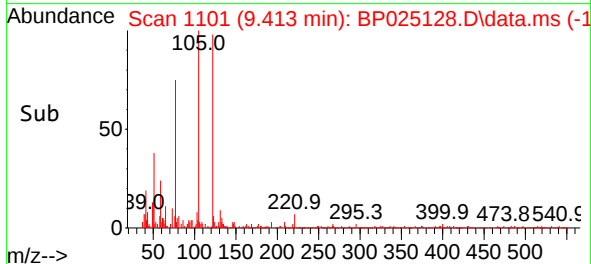
Instrument :
BNA_P
ClientSampleId :
G2(0-6)



Tgt Ion:122 Resp: 546
Ion Ratio Lower Upper
122 100
105 105.9 101.0 141.0
77 91.0 67.6 107.6

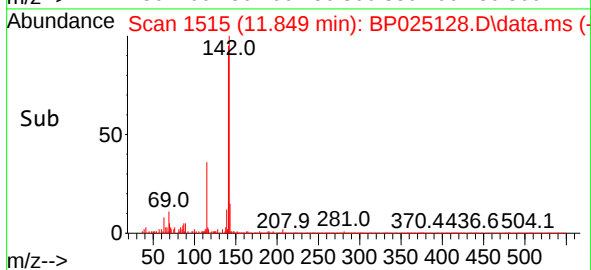
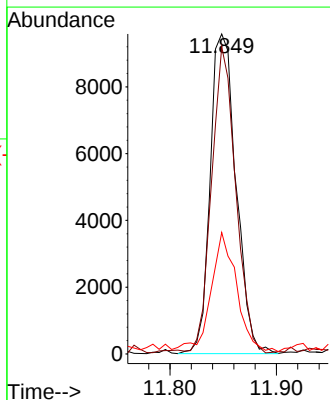
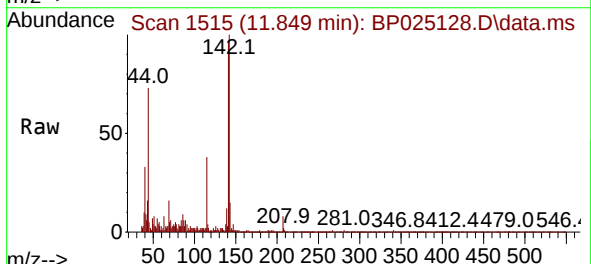
Manual Integrations
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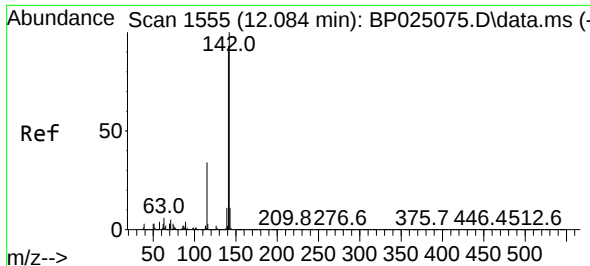
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#37
2-Methylnaphthalene
Concen: 3832.997 ng
RT: 11.849 min Scan# 1515
Delta R.T. -0.012 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

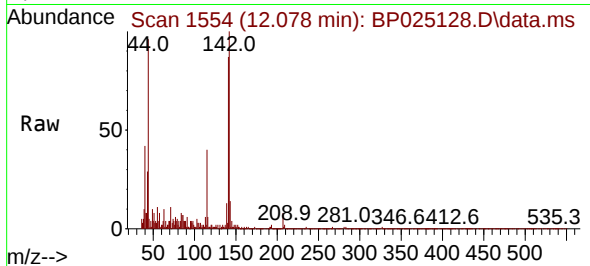
Tgt Ion:142 Resp: 16154
Ion Ratio Lower Upper
142 100
141 96.0 71.2 106.8
115 37.9 25.9 38.9





#38
1-Methylnaphthalene
Concen: 2927.062 ng m
RT: 12.078 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

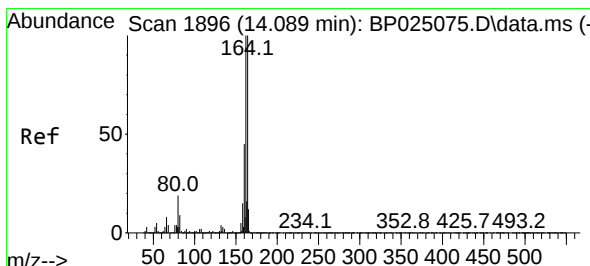
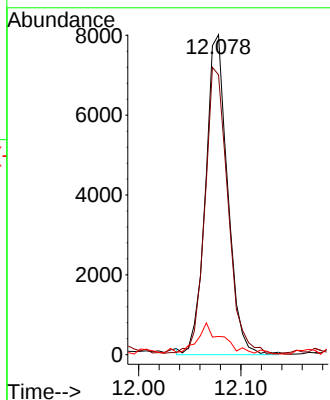
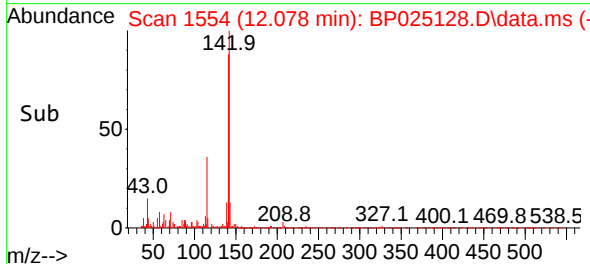
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G2(0-6)



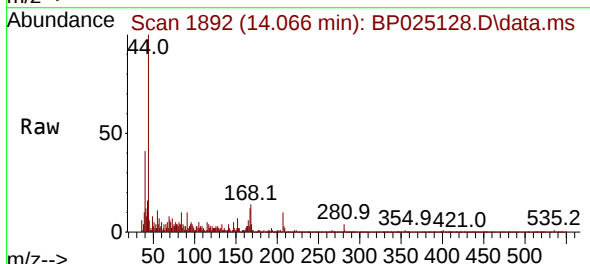
Tgt Ion:142 Resp: 1203
Ion Ratio Lower Upper
142 100
141 87.5 74.1 111.1
116 5.7 2.7 4.1

Manual Integrations
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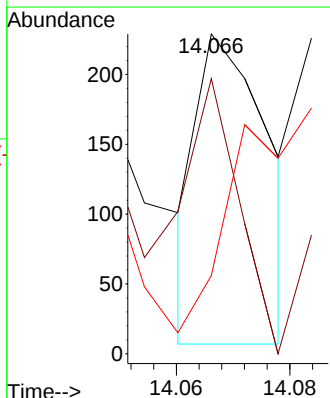
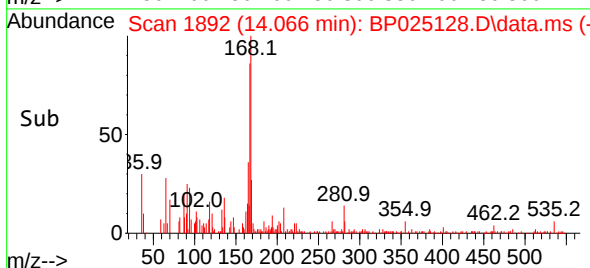
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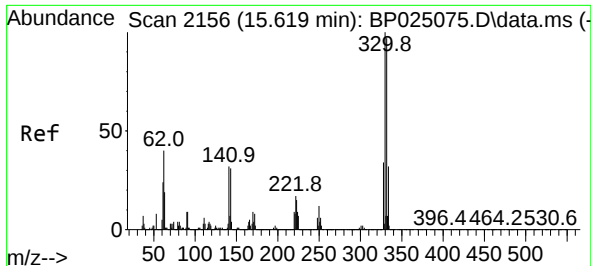


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.066 min Scan# 1892
Delta R.T. -0.023 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32



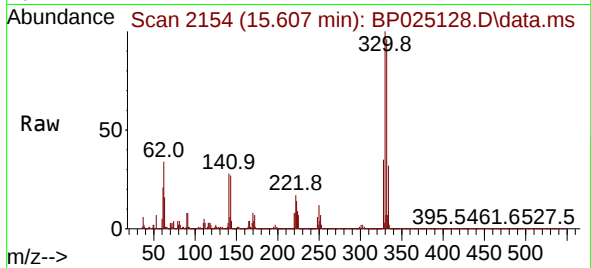
Tgt Ion:164 Resp: 193
Ion Ratio Lower Upper
164 100
162 86.0 80.3 120.5
160 24.5 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 859981.684 ng
RT: 15.607 min Scan# 2156
Delta R.T. -0.012 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

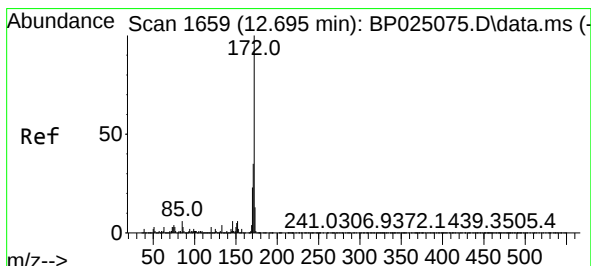
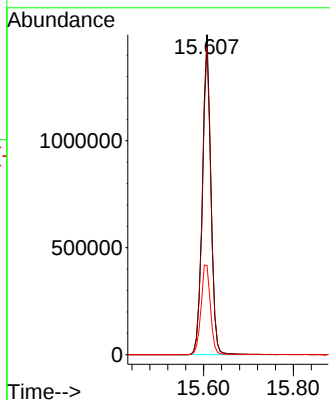
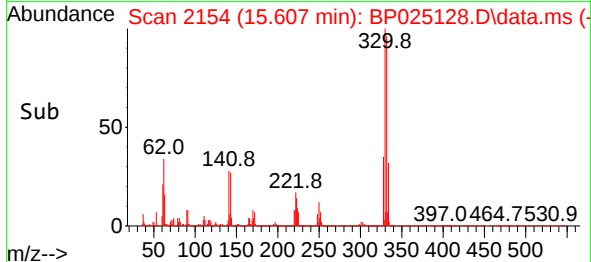
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:330 Resp: 196073
Ion Ratio Lower Upper
330 100
332 96.8 77.7 116.5
141 31.0 26.0 39.0

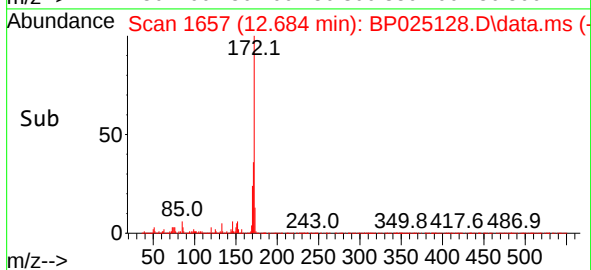
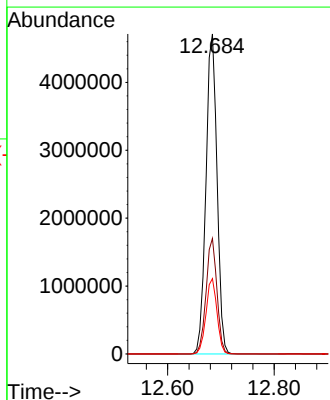
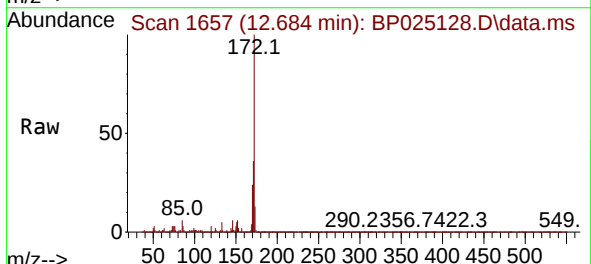
Manual Integrations
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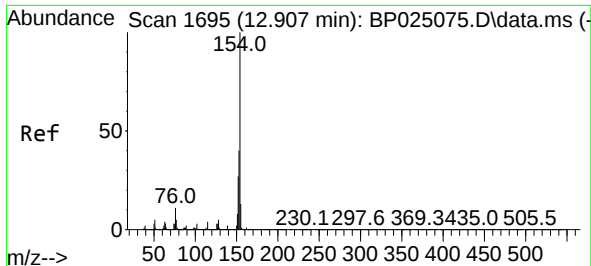
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#45
2-Fluorobiphenyl
Concen: 546180.368 ng
RT: 12.684 min Scan# 1657
Delta R.T. -0.012 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

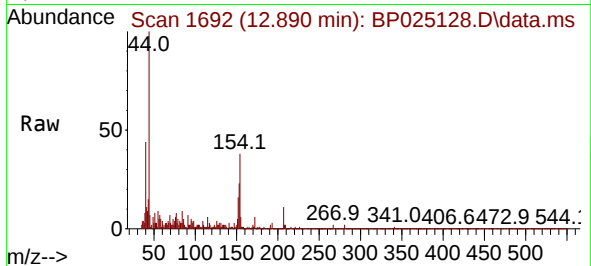
Tgt Ion:172 Resp: 6804487
Ion Ratio Lower Upper
172 100
171 36.1 28.2 42.2
170 23.6 18.7 28.1





#46
1,1'-Biphenyl
Concen: 352.288 ng
RT: 12.890 min Scan# 1695
Delta R.T. -0.017 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

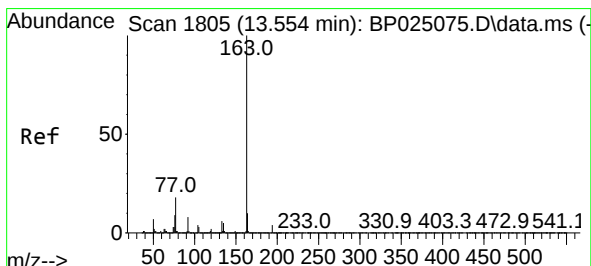
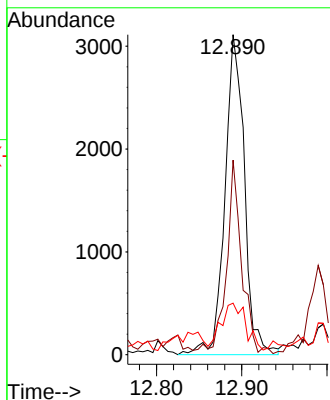
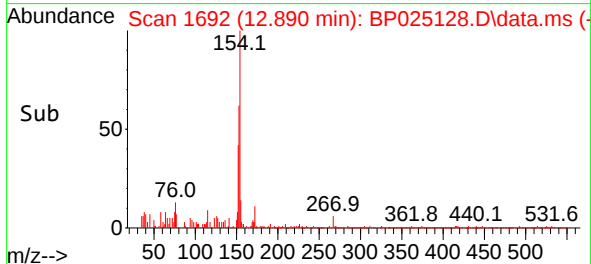
Instrument :
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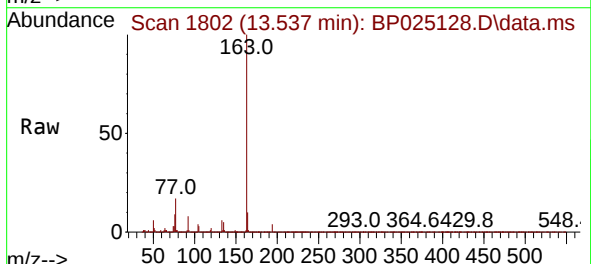
Tgt Ion:154 Resp: 494
Ion Ratio Lower Upper
154 100
153 60.8 20.2 60.2
76 16.1 0.0 31.5

Manual Integrations
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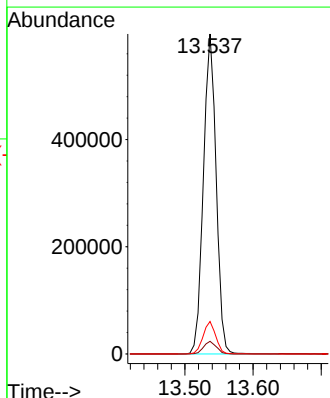
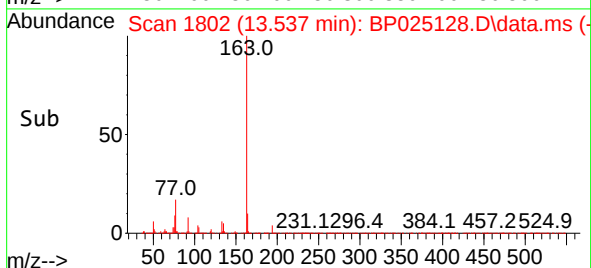
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

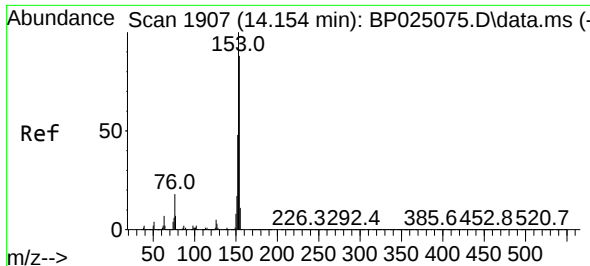


#50
Dimethylphthalate
Concen: 57487.027 ng
RT: 13.537 min Scan# 1802
Delta R.T. -0.017 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32



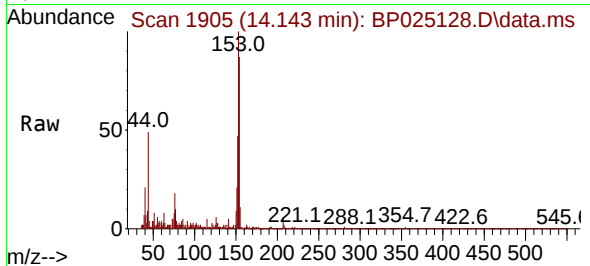
Tgt Ion:163 Resp: 776652
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.2 8.0 12.0





#52
Acenaphthene
Concen: 1936.573 ng
RT: 14.143 min Scan# 1905
Delta R.T. -0.012 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

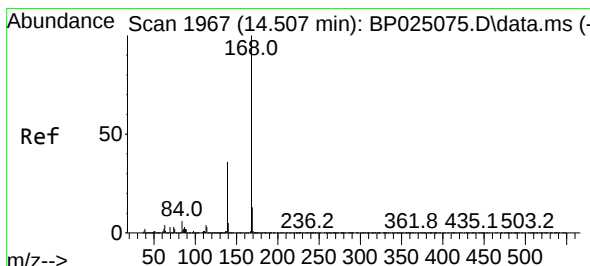
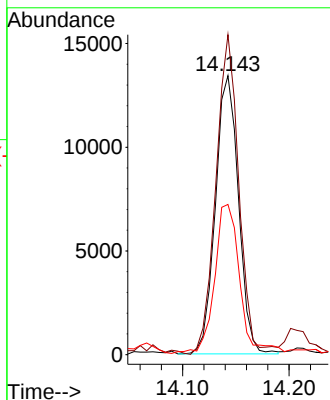
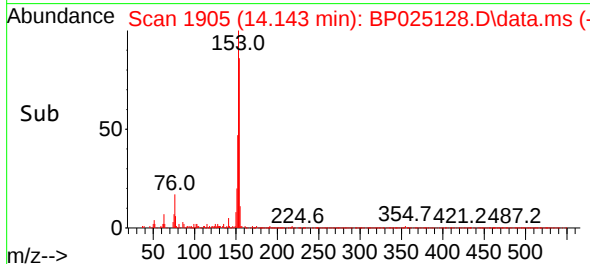
Instrument :
BNA_P
ClientSampleId :
G2(0-6)



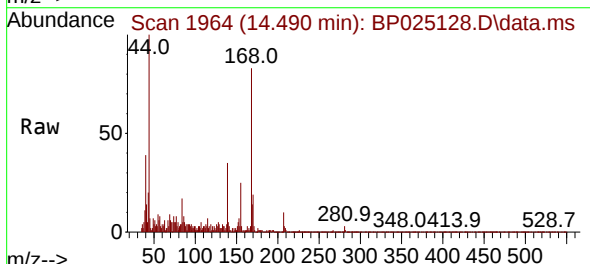
Tgt Ion:154 Resp: 2016
Ion Ratio Lower Upper
154 100
153 114.7 90.6 136.0
152 53.9 43.8 65.8

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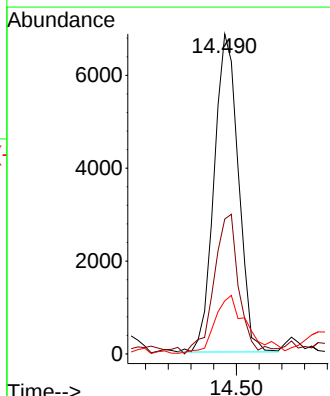
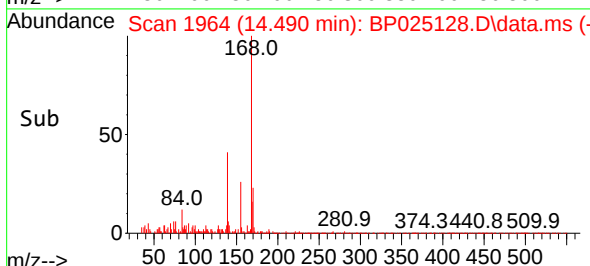
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

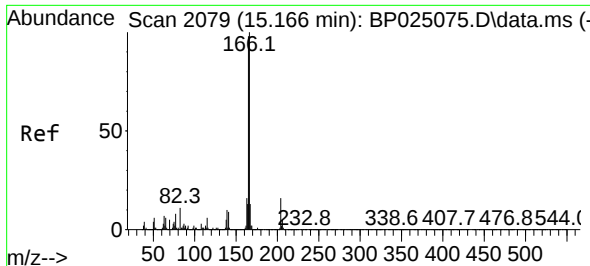


#55
Dibenzofuran
Concen: 591.876 ng
RT: 14.490 min Scan# 1964
Delta R.T. -0.017 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32



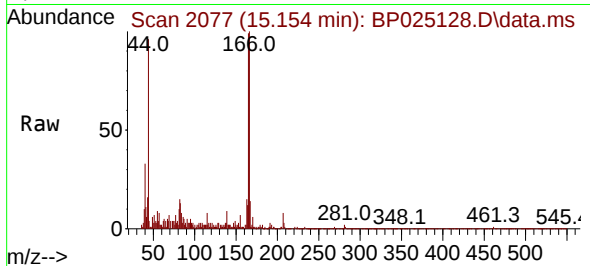
Tgt Ion:168 Resp: 10170
Ion Ratio Lower Upper
168 100
139 42.1 28.6 43.0
169 16.6 10.7 16.1#





#58
Fluorene
Concen: 1209.449 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.012 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

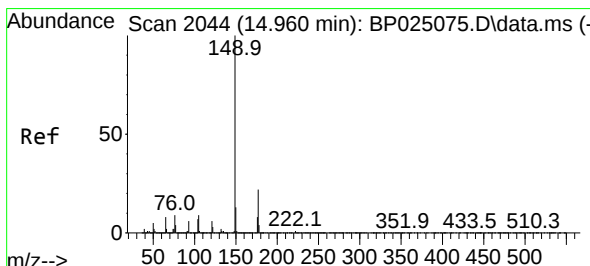
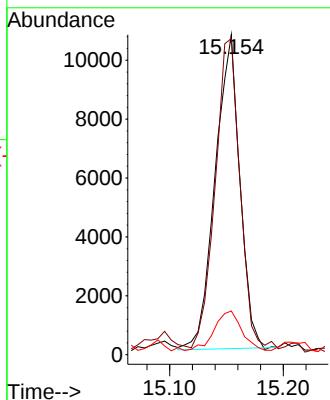
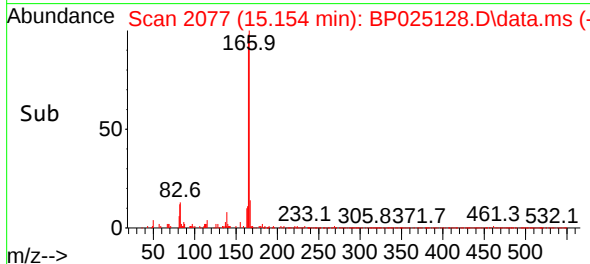
Instrument :
BNA_P
ClientSampleId :
G2(0-6)



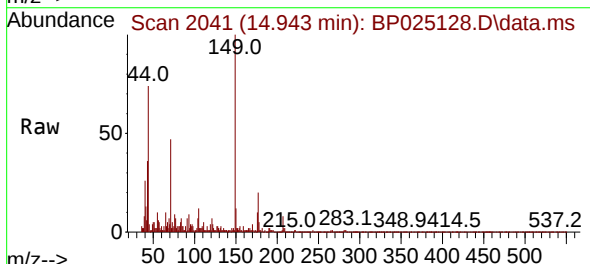
Tgt Ion:166 Resp: 16074
Ion Ratio Lower Upper
166 100
165 98.8 78.6 117.8
167 13.7 10.7 16.1

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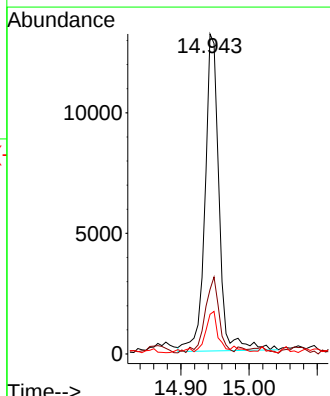
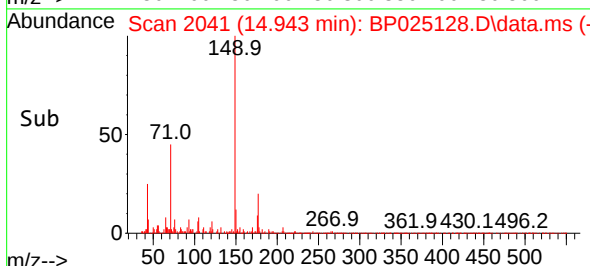
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025

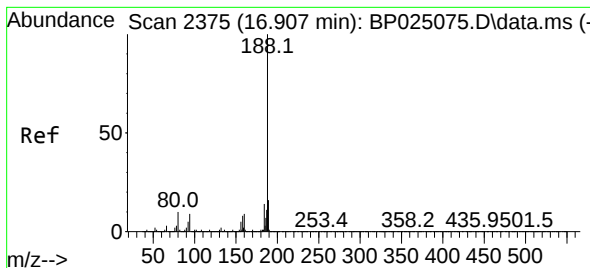


#60
Diethylphthalate
Concen: 1390.496 ng
RT: 14.943 min Scan# 2041
Delta R.T. -0.017 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32



Tgt Ion:149 Resp: 18868
Ion Ratio Lower Upper
149 100
177 20.1 17.8 26.8
150 12.4 10.2 15.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.884 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP025128.D

Acq: 14 Jul 2025 20:32

Instrument :

BNA_P

ClientSampleId :

G2(0-6)

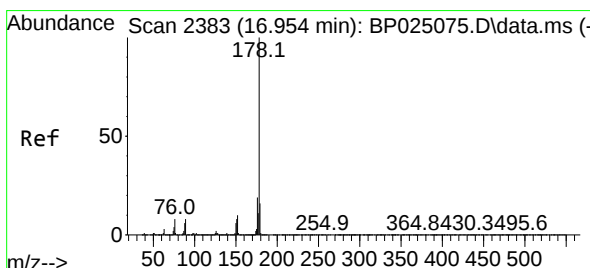
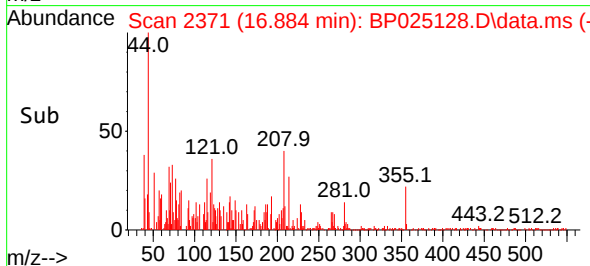
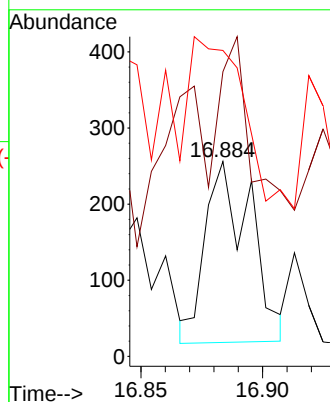
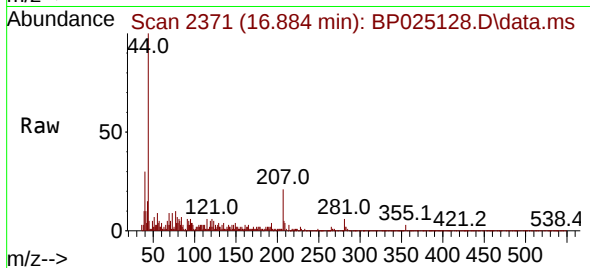
Tgt Ion:188	Resp:	300
Ion Ratio	Lower	Upper
188	100	
94	146.1	7.3 10.9
80	157.0	7.8 11.6

Manual Integrations

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Reviewed By :Rahul Chavli 07/15/2025

Supervised By :Jagrut Upadhyay 07/15/2025



#71

Phenanthrene

Concen: 4646.963 ng

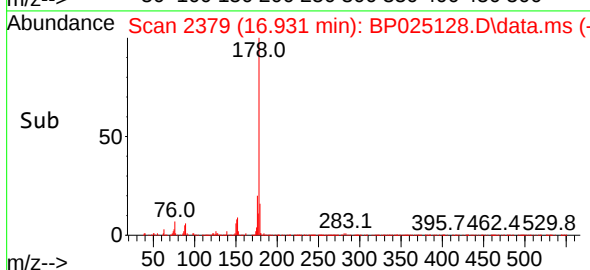
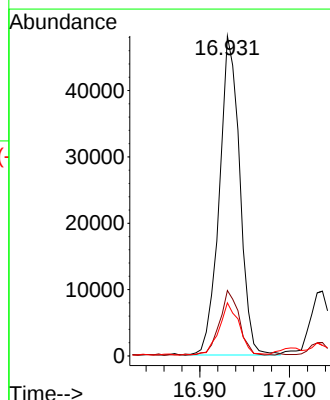
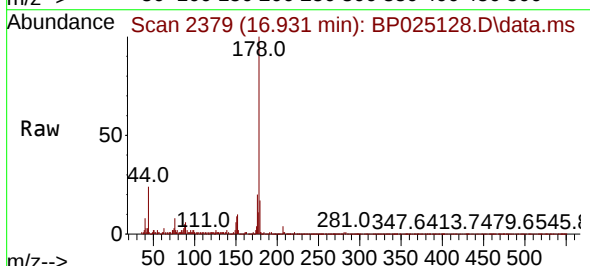
RT: 16.931 min Scan# 2379

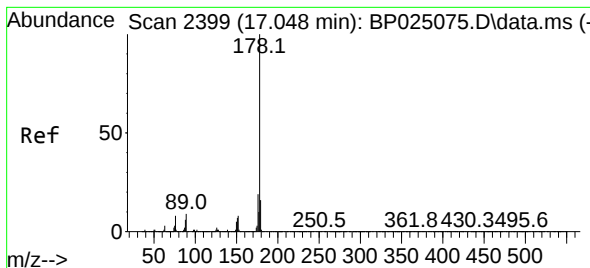
Delta R.T. -0.023 min

Lab File: BP025128.D

Acq: 14 Jul 2025 20:32

Tgt Ion:178	Resp:	75982
Ion Ratio	Lower	Upper
178	100	
176	20.4	15.4 23.2
179	16.6	12.6 19.0





#72

Anthracene

Concen: 929.330 ng

RT: 17.037 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025128.D

Acq: 14 Jul 2025 20:32

Instrument :

BNA_P

ClientSampleId :

G2(0-6)

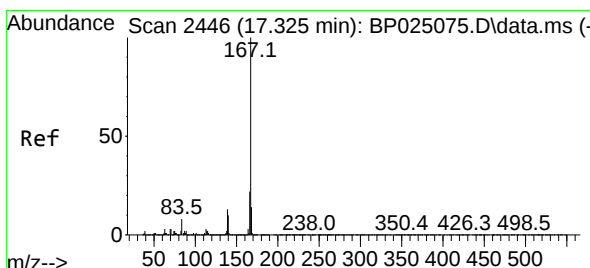
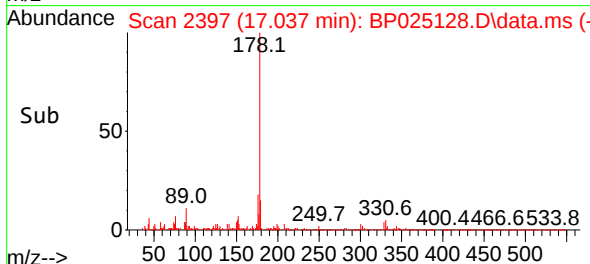
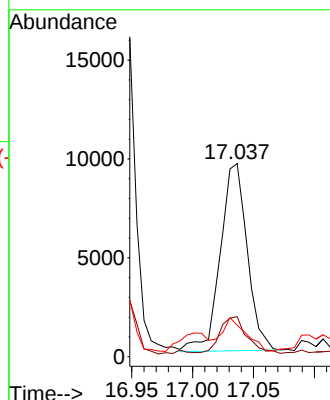
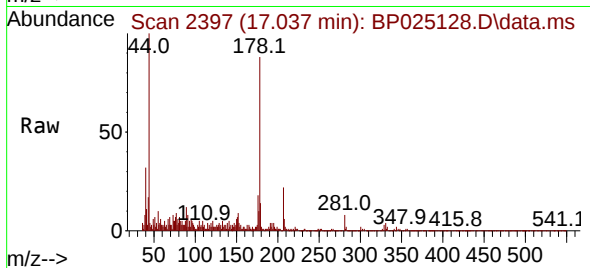
Tgt Ion:	178	Resp:	14578
Ion Ratio	Lower	Upper	
178	100		
176	20.7	15.0	22.6
179	16.3	12.5	18.7

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/15/2025



#73

Carbazole

Concen: 640.977 ng

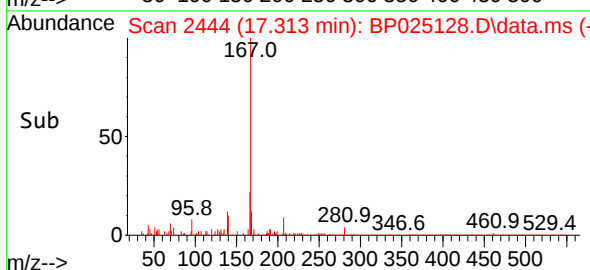
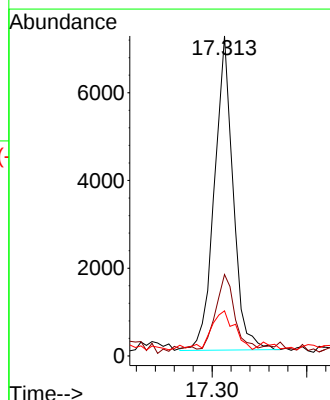
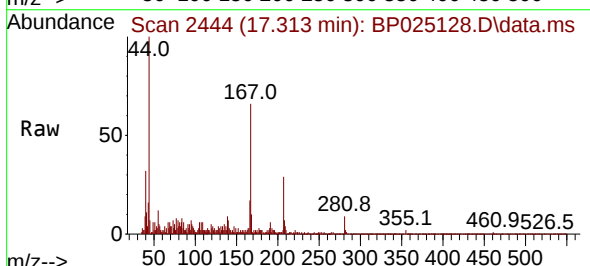
RT: 17.313 min Scan# 2444

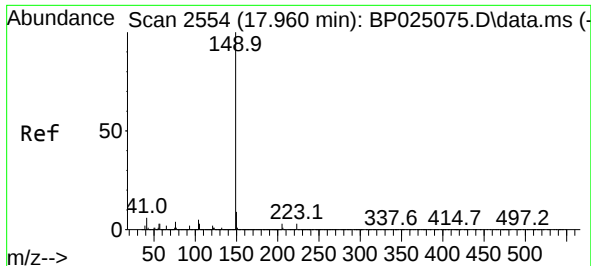
Delta R.T. -0.012 min

Lab File: BP025128.D

Acq: 14 Jul 2025 20:32

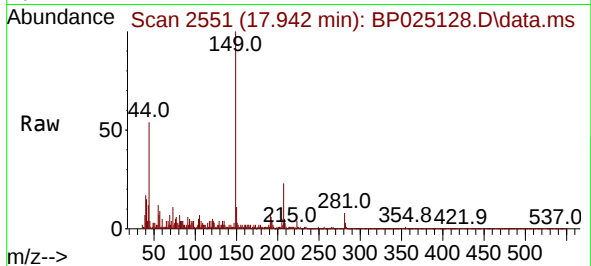
Tgt Ion:	167	Resp:	9831
Ion Ratio	Lower	Upper	
167	100		
166	25.5	17.4	26.0
139	14.1	10.4	15.6





#74
Di-n-butylphthalate
Concen: 1678.378 ng
RT: 17.942 min Scan# 21
Delta R.T. -0.017 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

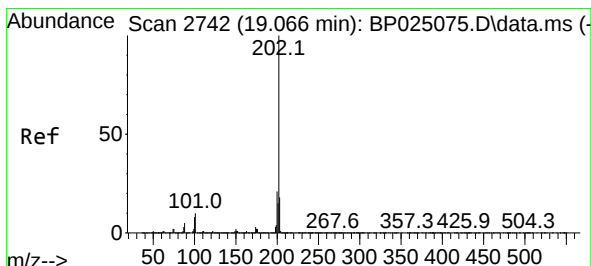
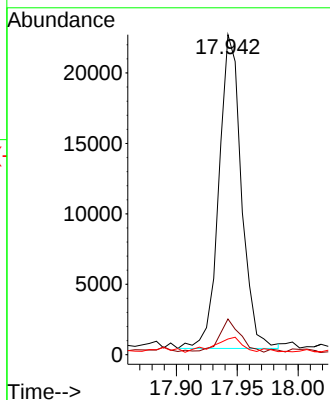
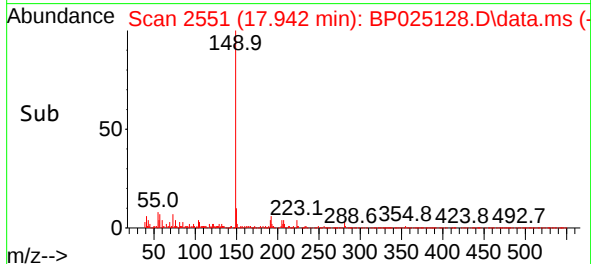
Instrument :
BNA_P
ClientSampleId :
G2(0-6)



Tgt Ion:149 Resp: 2866
Ion Ratio Lower Upper
149 100
150 11.2 7.3 10.9
104 4.9 3.8 5.6

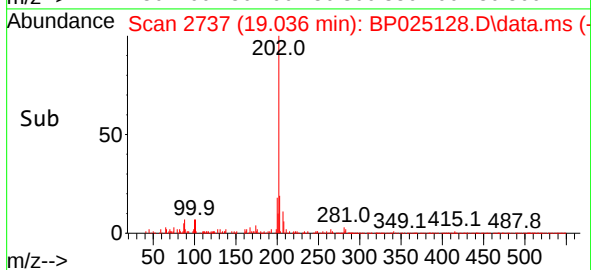
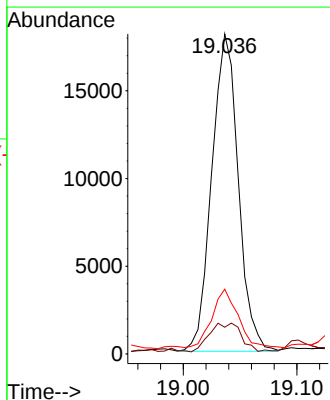
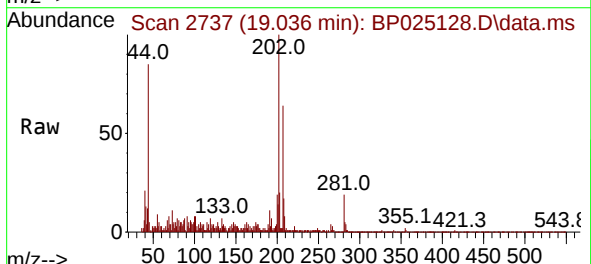
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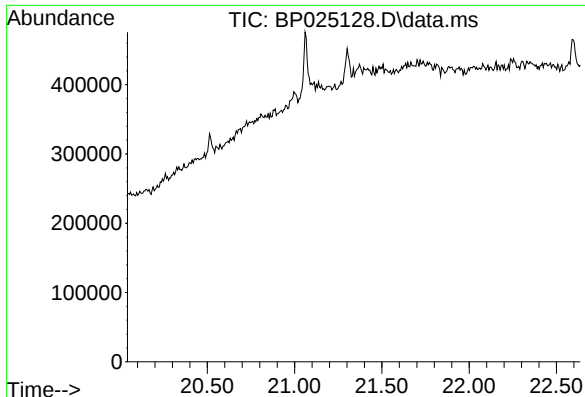
Reviewed By :Rahul Chavli 07/15/2025
Supervised By :Jagrut Upadhyay 07/15/2025



#75
Fluoranthene
Concen: 1534.542 ng
RT: 19.036 min Scan# 2737
Delta R.T. -0.029 min
Lab File: BP025128.D
Acq: 14 Jul 2025 20:32

Tgt Ion:202 Resp: 29329
Ion Ratio Lower Upper
202 100
101 8.4 0.0 30.4
203 20.3 0.0 37.6





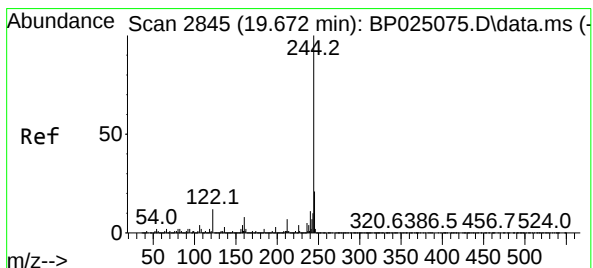
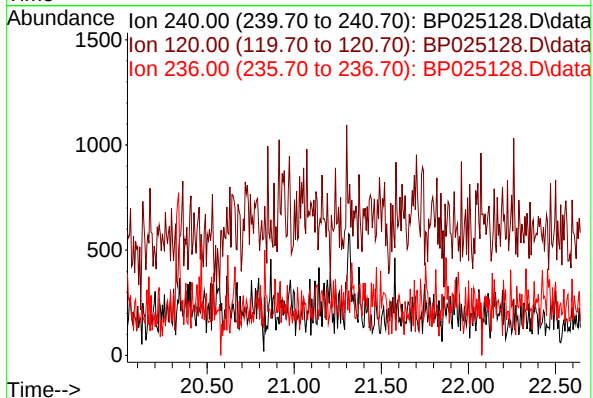
#76
 Chrysene-d12
 Concen: 0.000 ng
 Expected RT: 21.34 min
 Lab File: BP025128.D
 Acq: 14 Jul 2025 20:32

Instrument :
 BNA_P
 ClientSampleId :
 G2(0-6)

Tgt Ion: 240
 Sig Exp Ratio
 240 100
 120 11.2
 236 25.4

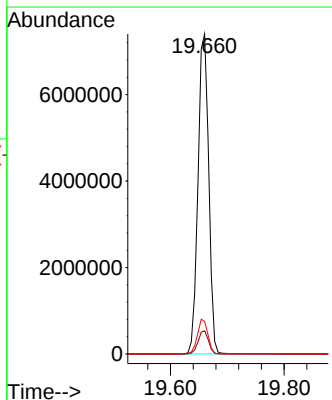
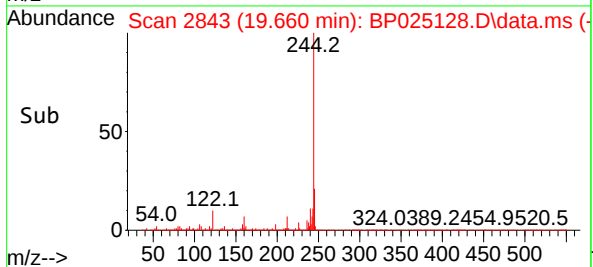
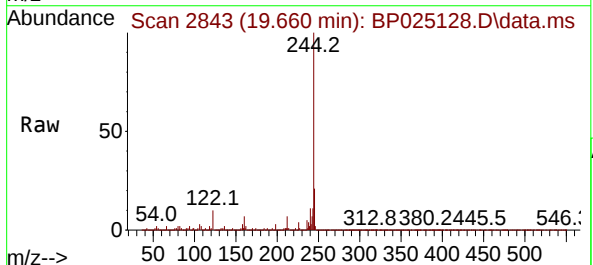
Manual Integrations
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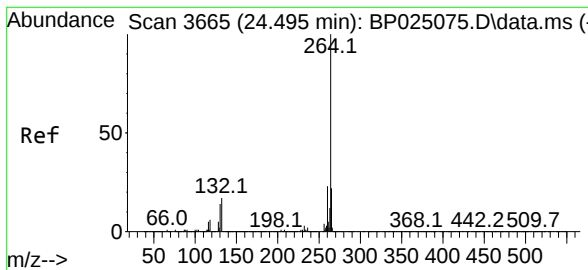
Reviewed By :Rahul Chavli 07/15/2025
 Supervised By :Jagrut Upadhyay 07/15/2025



#79
 Terphenyl-d14
 Concen: 0.000 ng
 RT: 19.660 min Scan# 2843
 Delta R.T. -0.012 min
 Lab File: BP025128.D
 Acq: 14 Jul 2025 20:32

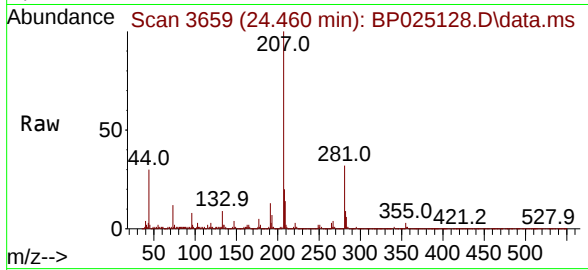
Tgt Ion:244 Resp: 9705704
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 10.1 9.4 14.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.460 min Scan# 30
 Delta R.T. -0.035 min
 Lab File: BP025128.D
 Acq: 14 Jul 2025 20:32

Instrument :
 BNA_P
 ClientSampleId :
 G2(0-6)



Tgt Ion: 264 Resp: 290

Ion	Ratio	Lower	Upper
264	100		
260	59.5	18.6	28.0
265	1012.5	17.7	26.1

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 Supervised By :Jagrut Upadhyay 07/15/2025

