

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091625\
 Data File : BP025766.D
 Acq On : 16 Sep 2025 20:37
 Operator : CG/JU
 Sample : Q3106-01 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NB-07-09152025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/17/2025
 Supervised By :Jagrut Upadhyay 09/17/2025

Quant Time: Sep 17 05:12:37 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	7.755	152	223324	20.000	ng	0.00
21) Naphthalene-d8	10.525	136	869277	20.000	ng	0.00
39) Acenaphthene-d10	14.378	164	525109	20.000	ng	0.00
64) Phenanthrene-d10	17.178	188	937916	20.000	ng	0.00
76) Chrysene-d12	21.630	240	1005229	20.000	ng	-0.01
86) Perylene-d12	24.983	264	1104246	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.384	112	150725	10.890	ng	0.00
7) Phenol-d6	6.949	99	183795	9.991	ng	0.00
23) Nitrobenzene-d5	8.902	82	119173	6.047	ng	0.00
42) 2,4,6-Tribromophenol	15.901	330	57362	8.758	ng	0.00
45) 2-Fluorobiphenyl	12.984	172	280284	7.107	ng	0.00
79) Terphenyl-d14	19.901	244	430379	7.702	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.225	178	117609	2.211	ng	99
75) Fluoranthene	19.313	202	469931	7.365	ng	100
78) Pyrene	19.689	202	460715	6.869	ng	99
81) Benzo(a)anthracene	21.607	228	295160	4.289	ng	98
83) Chrysene	21.677	228	292144	4.453	ng	97
87) Indeno(1,2,3-cd)pyrene	28.807	276	237928	2.963	ng	# 82
88) Benzo(b)fluoranthene	23.919	252	430695	6.378	ng	# 98
89) Benzo(k)fluoranthene	23.983	252	141511m	2.054	ng	
90) Benzo(a)pyrene	24.824	252	305323	4.617	ng	97
92) Benzo(g,h,i)perylene	29.989	276	251326	3.889	ng	99

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

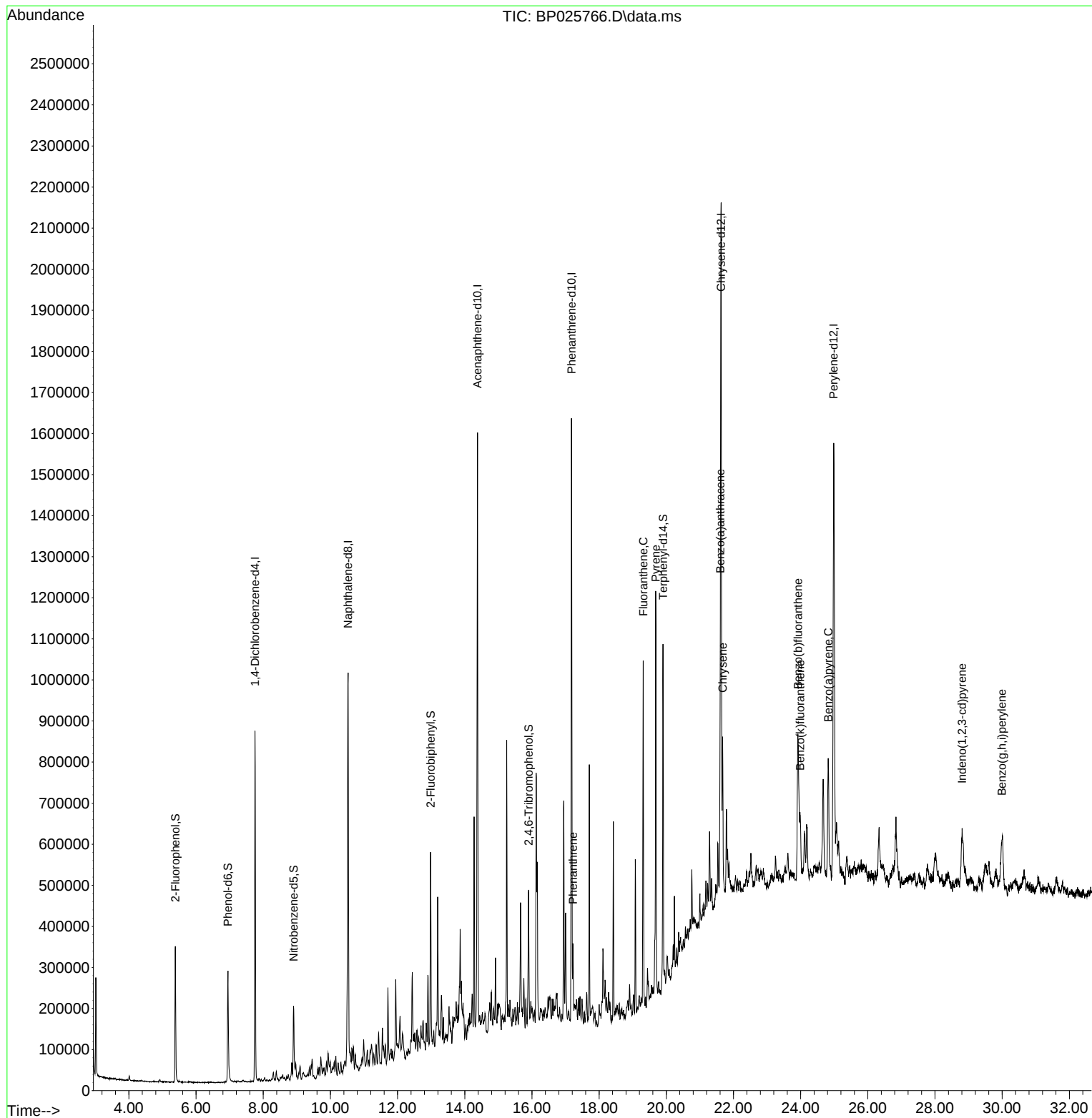
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP091625\
Data File : BP025766.D
Acq On : 16 Sep 2025 20:37
Operator : CG/JU
Sample : Q3106-01 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

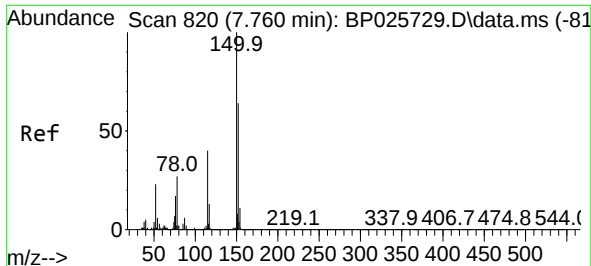
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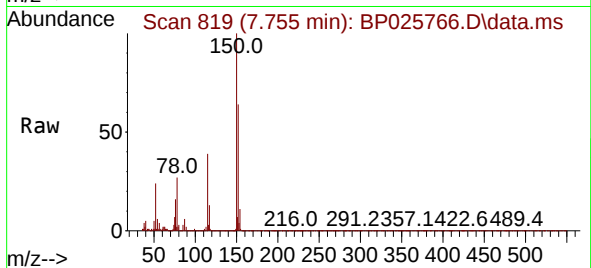
Quant Time: Sep 17 05:12:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 11 16:45:04 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.755 min Scan# 819
Delta R.T. -0.005 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

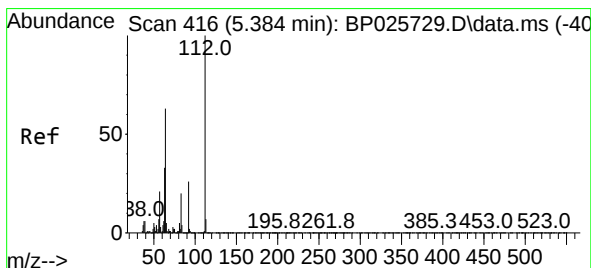
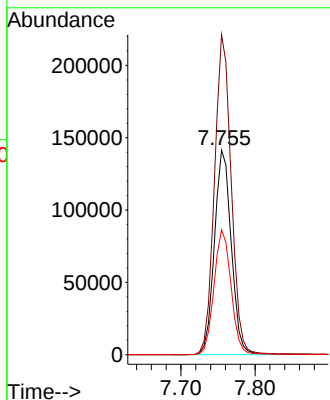
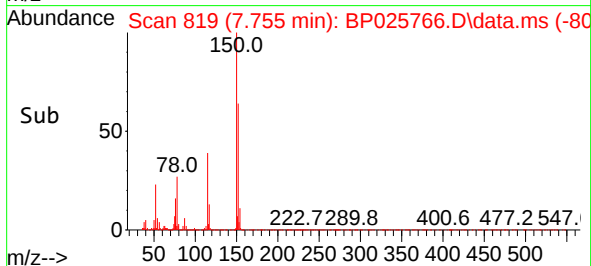
Instrument :
BNA_P
ClientSampleId :
NB-07-09152025



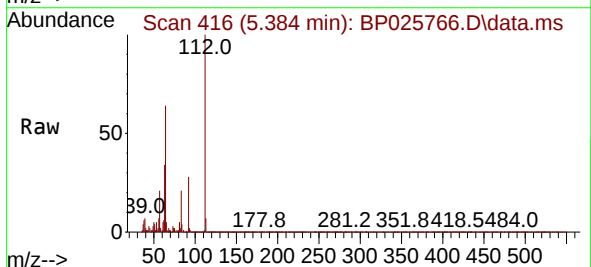
Tgt Ion:152 Resp: 223324
Ion Ratio Lower Upper
152 100
150 156.4 124.3 186.5
115 61.1 50.3 75.5

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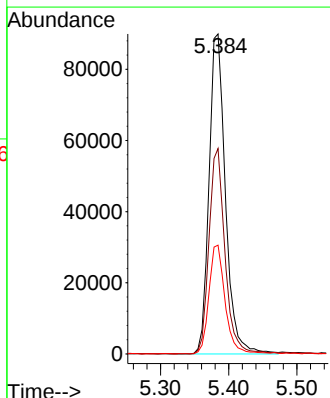
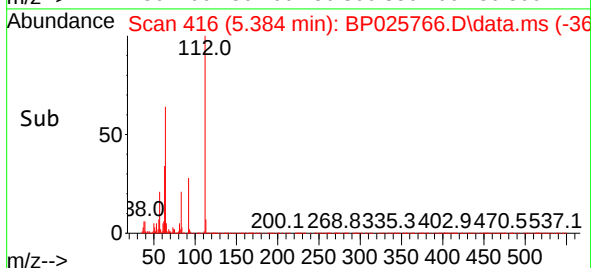
Reviewed By :Rahul Chavli 09/17/2025
Supervised By :Jagrut Upadhyay 09/17/2025



#5
2-Fluorophenol
Concen: 10.890 ng
RT: 5.384 min Scan# 416
Delta R.T. 0.000 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37



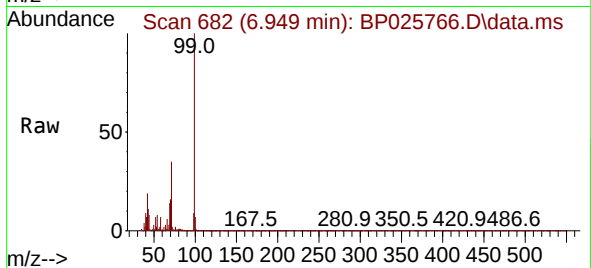
Tgt Ion:112 Resp: 150725
Ion Ratio Lower Upper
112 100
64 64.2 50.2 75.4
63 34.0 26.7 40.1





#7
Phenol-d6
Concen: 9.991 ng
RT: 6.949 min Scan# 682
Delta R.T. 0.000 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

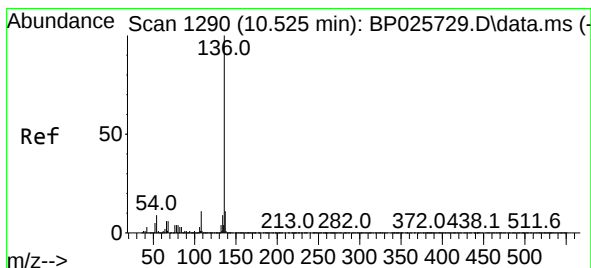
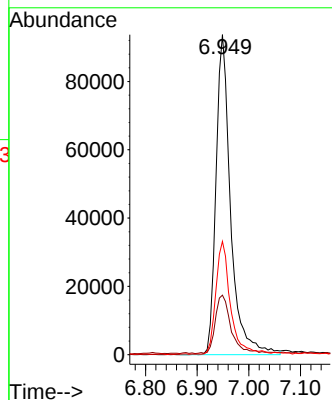
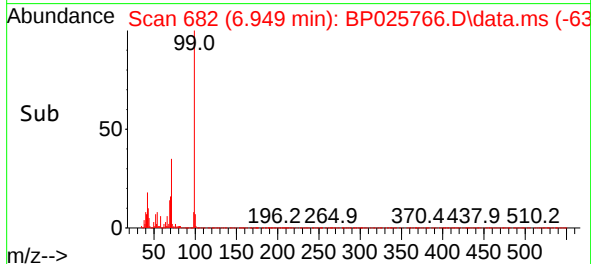
Instrument :
BNA_P
ClientSampleId :
NB-07-09152025



Tgt Ion: 99 Resp: 183795
Ion Ratio Lower Upper
99 100
42 18.6 15.6 23.4
71 35.4 28.6 43.0

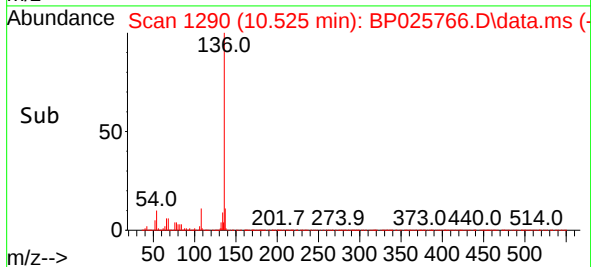
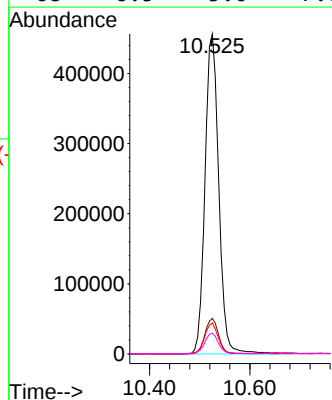
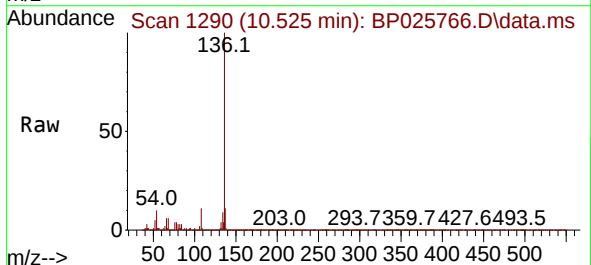
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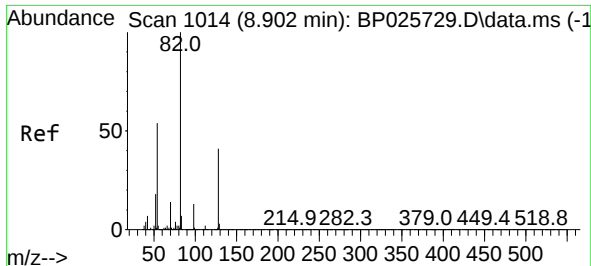
Reviewed By :Rahul Chavli 09/17/2025
Supervised By :Jagrut Upadhyay 09/17/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.525 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

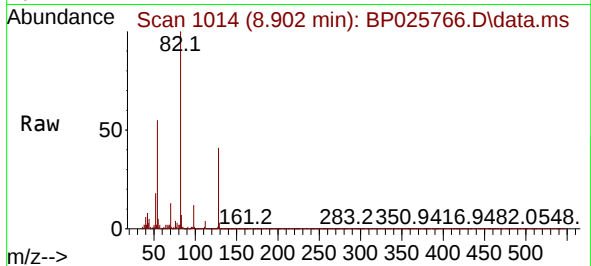
Tgt Ion:136 Resp: 869277
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.7 7.5 11.3
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 6.047 ng
RT: 8.902 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

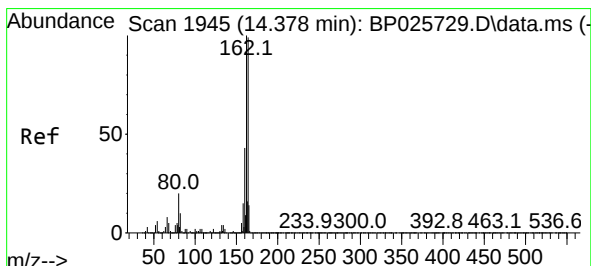
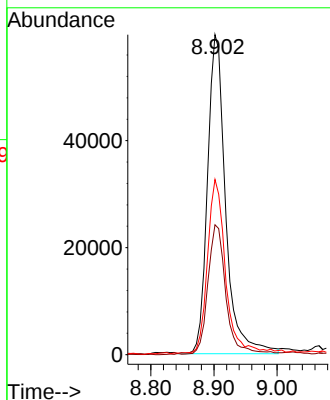
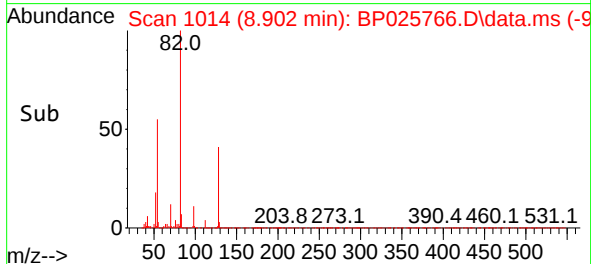
Instrument :
BNA_P
ClientSampleId :
NB-07-09152025



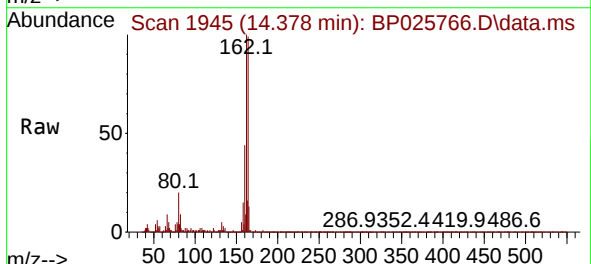
Tgt Ion: 82 Resp: 11917
Ion Ratio Lower Upper
82 100
128 40.6 32.9 49.3
54 54.7 43.4 65.2

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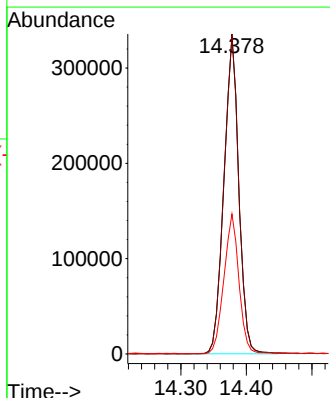
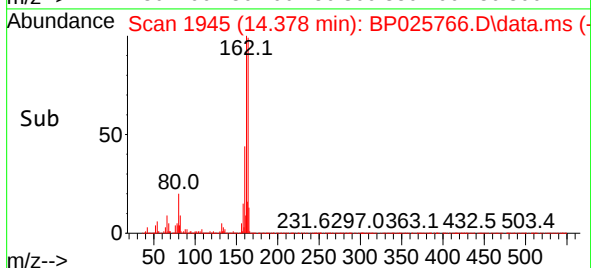
Reviewed By :Rahul Chavli 09/17/2025
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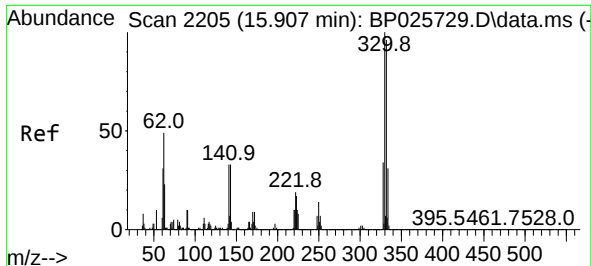


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.378 min Scan# 1945
Delta R.T. 0.000 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37



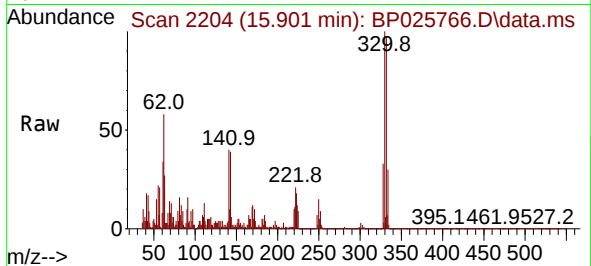
Tgt Ion:164 Resp: 525109
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.1 35.0 52.6





#42
2,4,6-Tribromophenol
Concen: 8.758 ng
RT: 15.901 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

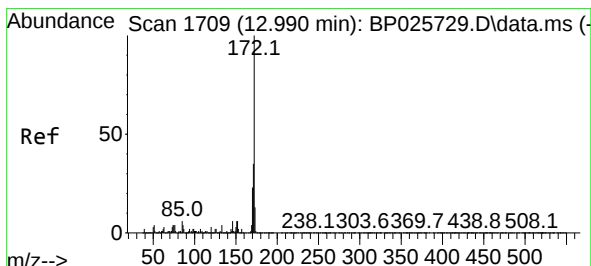
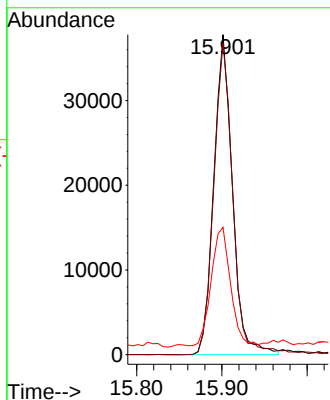
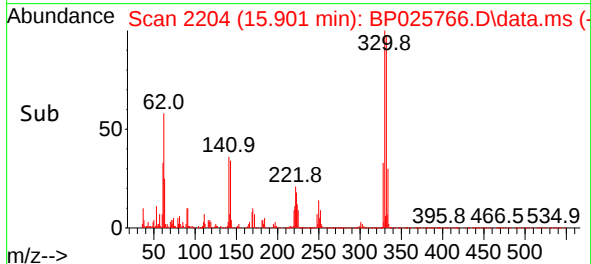
Instrument :
BNA_P
ClientSampleId :
NB-07-09152025



Tgt Ion: 330 Resp: 5736
Ion Ratio Lower Upper
330 100
332 99.6 76.9 115.3
141 38.2 31.0 46.4

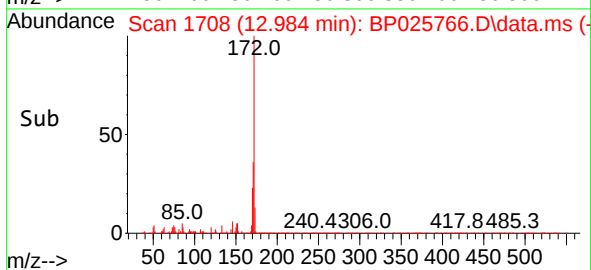
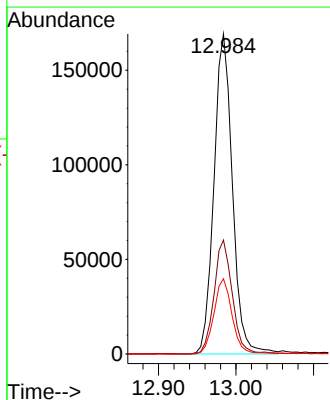
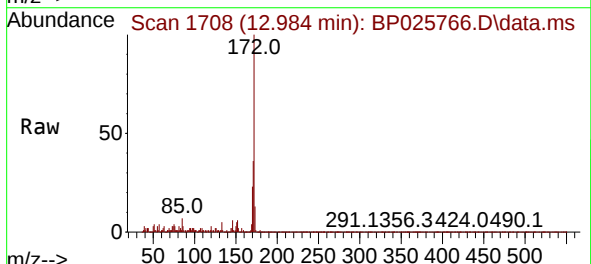
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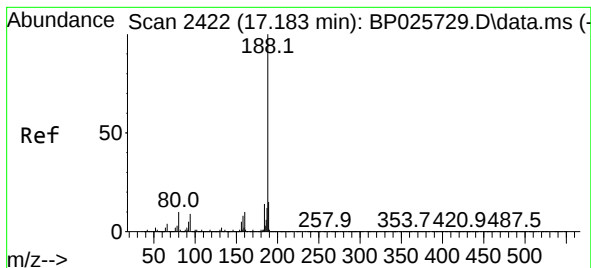
Reviewed By :Rahul Chavli 09/17/2025
Supervised By :Jagrut Upadhyay 09/17/2025



#45
2-Fluorobiphenyl
Concen: 7.107 ng
RT: 12.984 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

Tgt Ion: 172 Resp: 280284
Ion Ratio Lower Upper
172 100
171 35.6 27.8 41.6
170 23.5 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.178 min Scan# 2422

Delta R.T. -0.006 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

NB-07-09152025

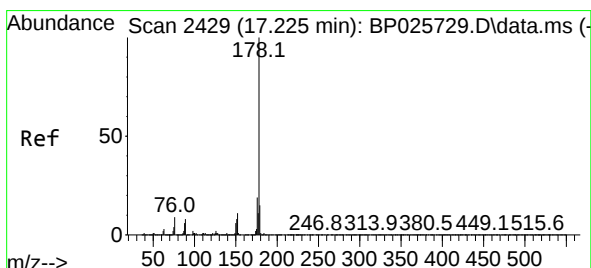
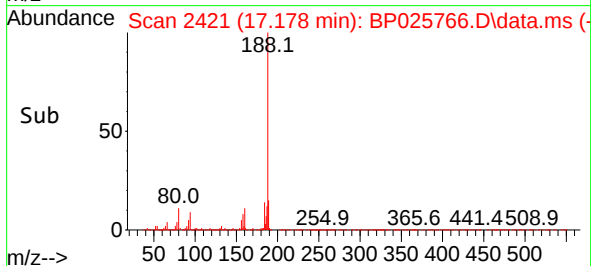
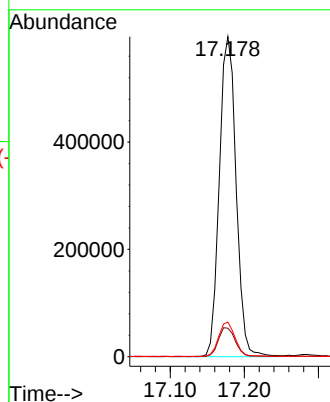
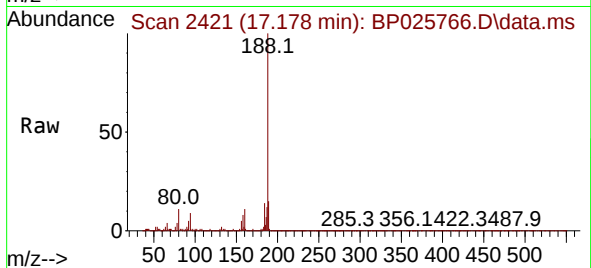
Tgt Ion:188	Resp: 937910
Ion Ratio	Lower Upper
188 100	
94 8.9	7.4 11.0
80 10.8	7.7 11.5

Manual Integrations

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#71

Phenanthrene

Concen: 2.211 ng

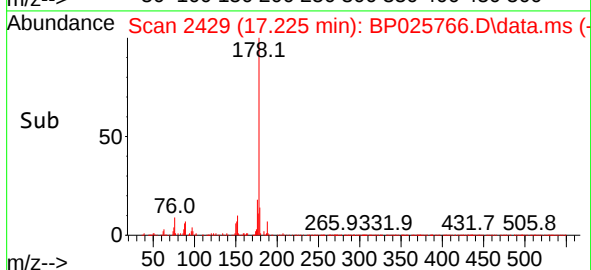
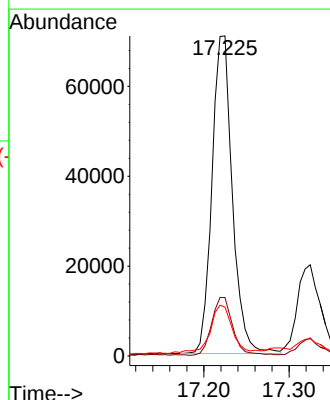
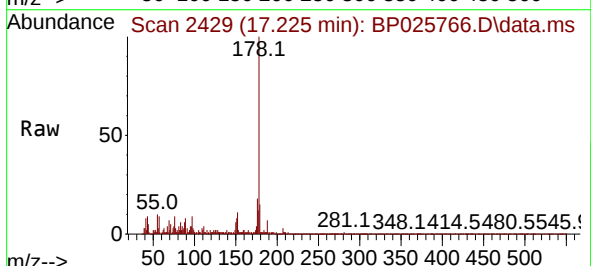
RT: 17.225 min Scan# 2429

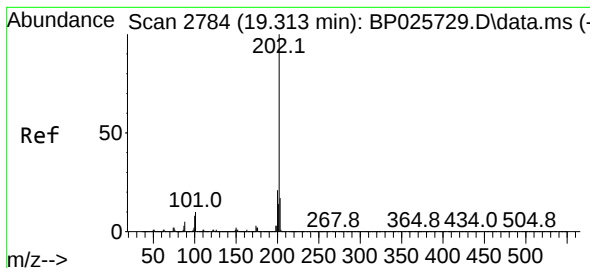
Delta R.T. 0.000 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

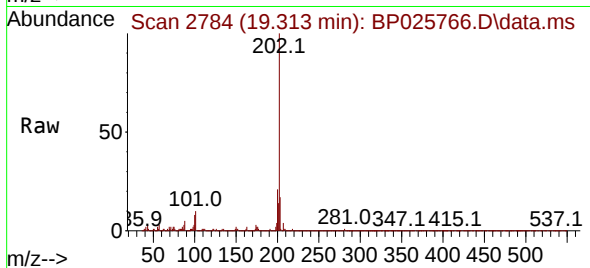
Tgt Ion:178	Resp: 117609
Ion Ratio	Lower Upper
178 100	
176 18.2	15.4 23.2
179 15.2	12.2 18.4





#75
Fluoranthene
Concen: 7.365 ng
RT: 19.313 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

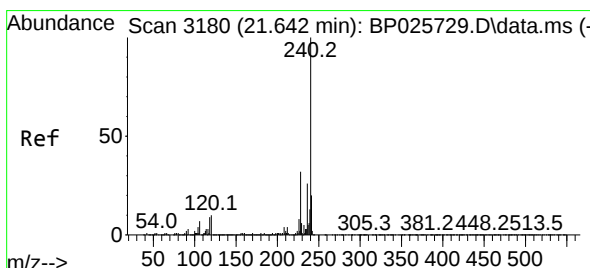
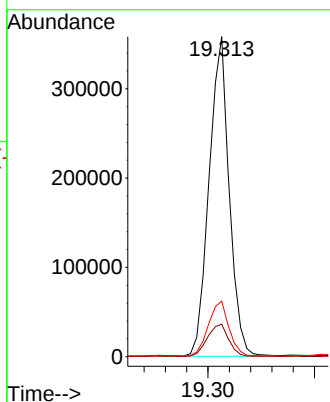
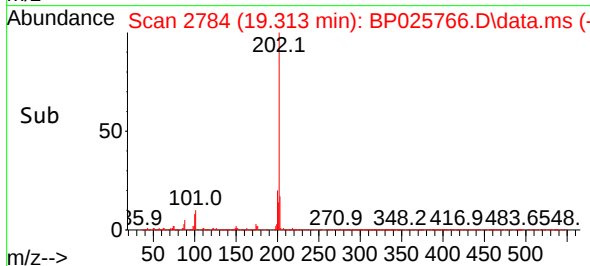
Instrument :
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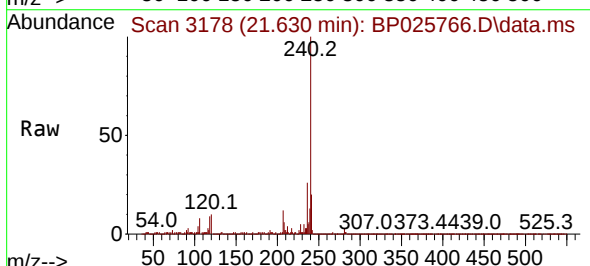
Tgt Ion:202 Resp: 46993
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.4
203 17.4 0.0 37.4

Manual Integrations
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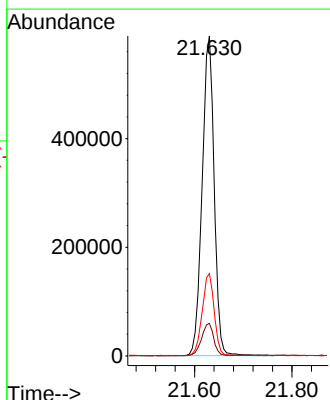
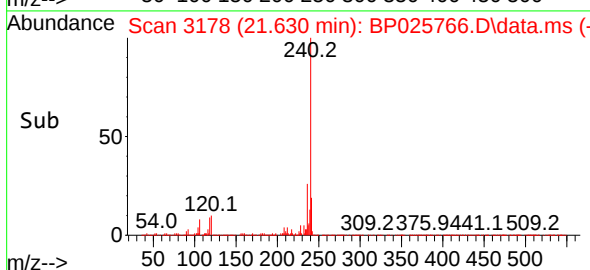
Reviewed By :Rahul Chavli 09/17/2025
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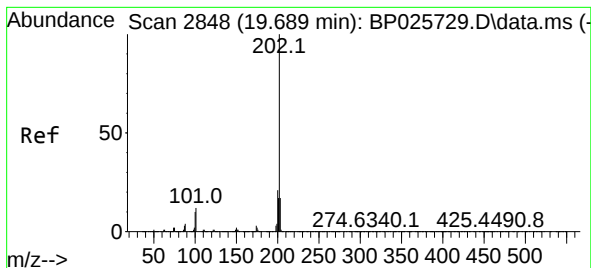


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.630 min Scan# 3178
Delta R.T. -0.012 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37



Tgt Ion:240 Resp: 1005229
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.8 20.7 31.1





#78

Pyrene

Concen: 6.869 ng

RT: 19.689 min Scan# 2848

Delta R.T. 0.000 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

NB-07-09152025

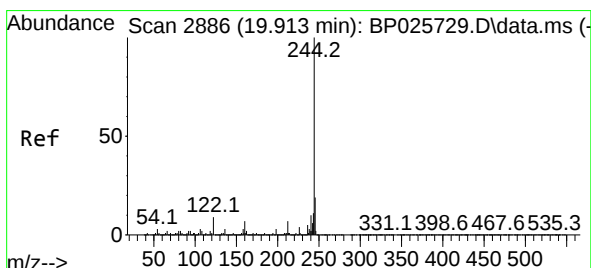
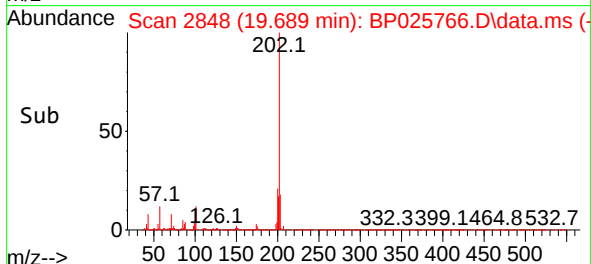
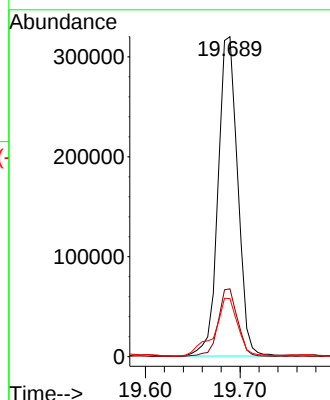
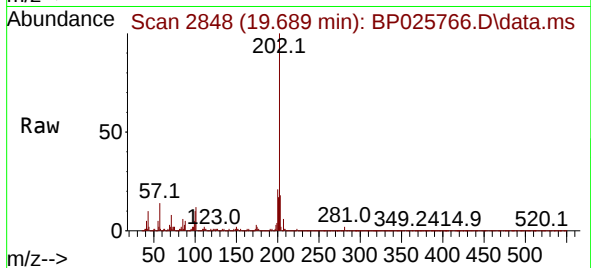
Tgt Ion:	202	Resp:	46071
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.0	25.6
203	18.1	13.9	20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 7.702 ng

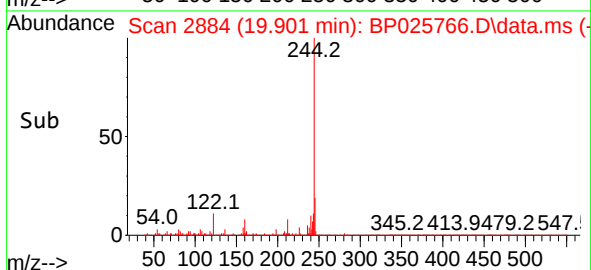
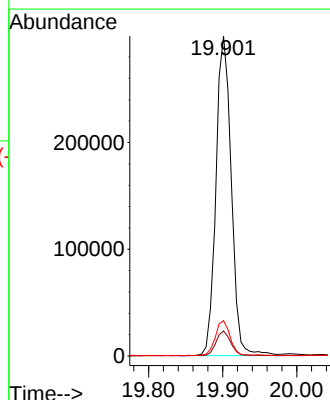
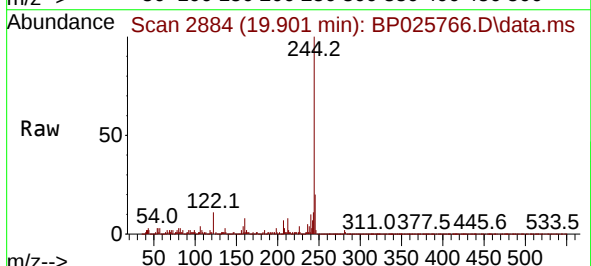
RT: 19.901 min Scan# 2884

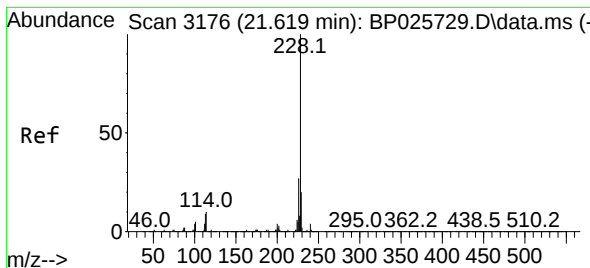
Delta R.T. -0.012 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

Tgt Ion:	244	Resp:	430379
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.9	8.9
122	11.0	7.1	10.7





#81

Benzo(a)anthracene

Concen: 4.289 ng

RT: 21.607 min Scan# 3176

Delta R.T. -0.012 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

NB-07-09152025

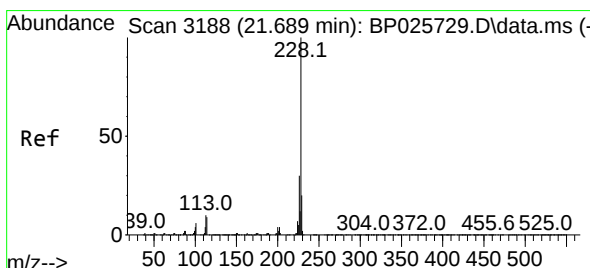
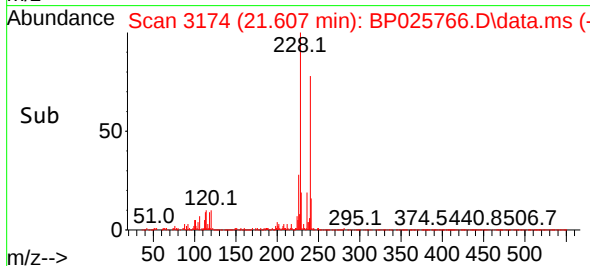
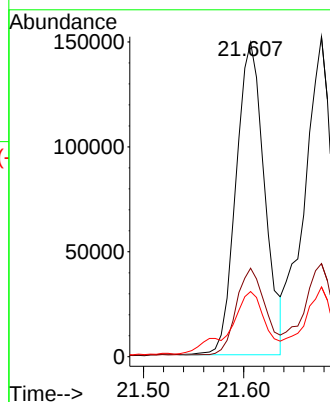
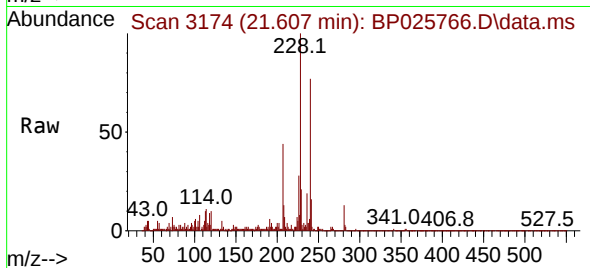
Tgt Ion:	228	Resp:	295160
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.6	32.4
229	20.7	15.7	23.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/17/2025

Supervised By :Jagrut Upadhyay 09/17/2025



#83

Chrysene

Concen: 4.453 ng

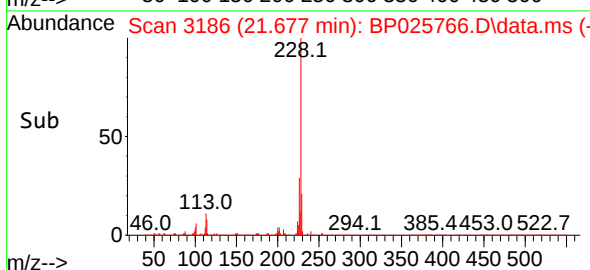
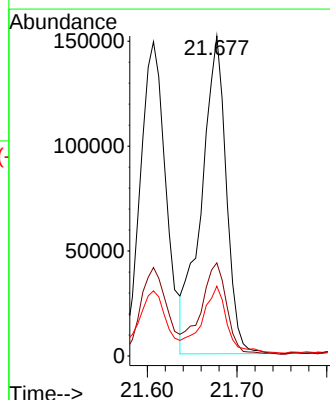
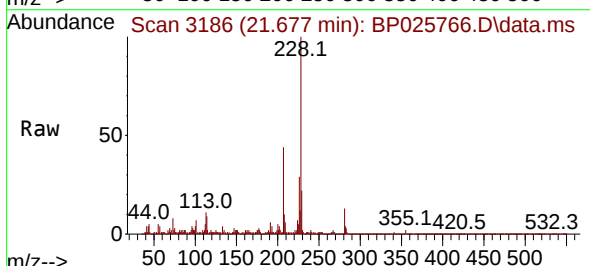
RT: 21.677 min Scan# 3186

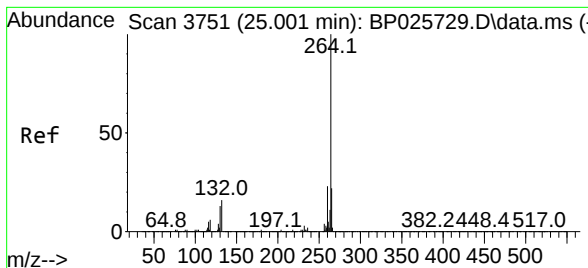
Delta R.T. -0.012 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

Tgt Ion:	228	Resp:	292144
Ion Ratio	Lower	Upper	
228	100		
226	29.1	23.8	35.6
229	21.8	15.6	23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.983 min Scan# 31

Delta R.T. -0.018 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

Instrument :

BNA_P

ClientSampleId :

NB-07-09152025

Tgt Ion:264 Resp: 1104240

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

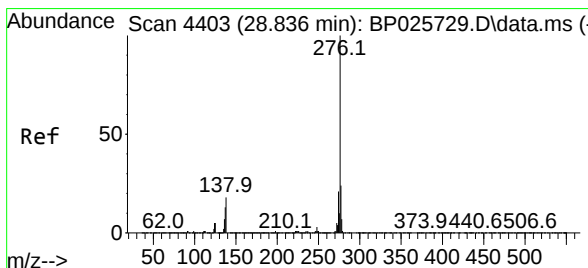
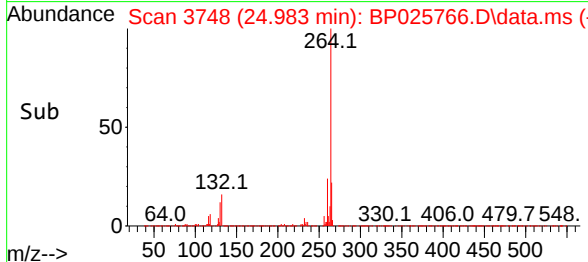
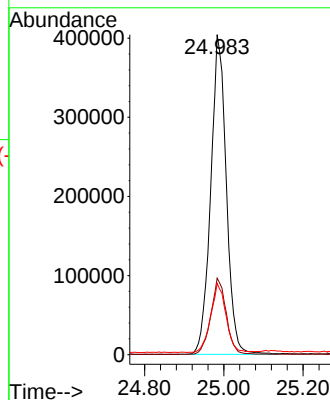
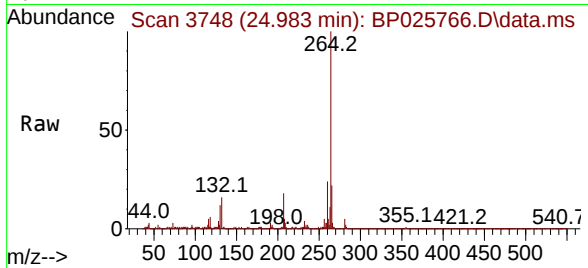
265 22.3 17.3 25.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/17/2025

Supervised By :Jagrut Upadhyay 09/17/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.963 ng

RT: 28.807 min Scan# 4398

Delta R.T. -0.029 min

Lab File: BP025766.D

Acq: 16 Sep 2025 20:37

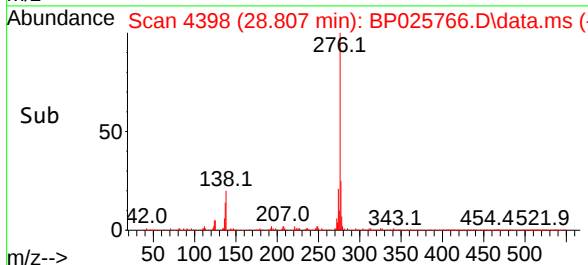
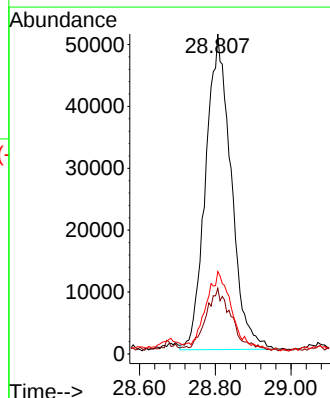
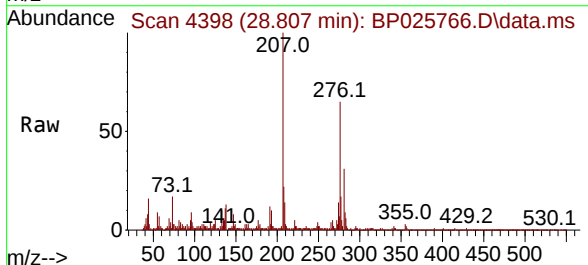
Tgt Ion:276 Resp: 237928

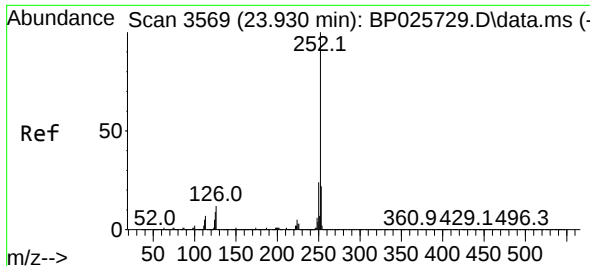
Ion Ratio Lower Upper

276 100

138 19.8 13.4 20.2

277 24.3 9.1 13.7#





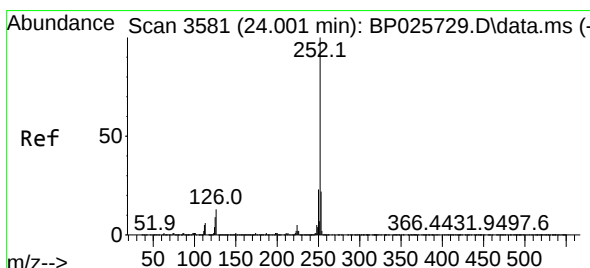
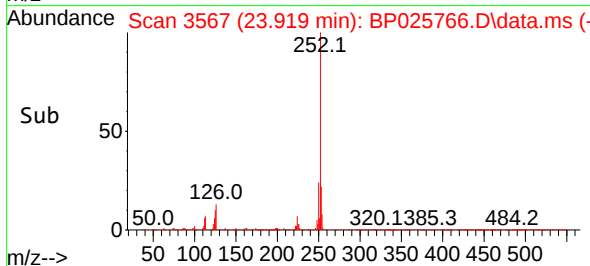
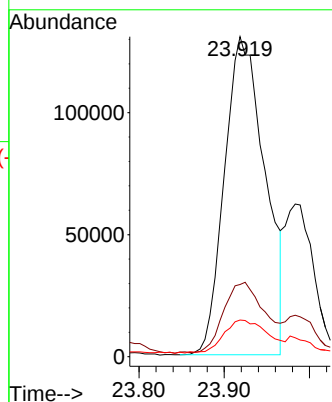
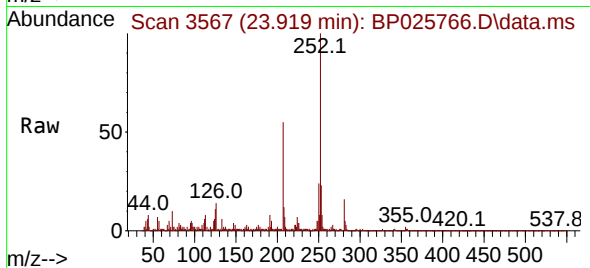
#88
Benzo(b)fluoranthene
Concen: 6.378 ng
RT: 23.919 min Scan# 3569
Delta R.T. -0.012 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

Instrument :
BNA_P
ClientSampleId :
NB-07-09152025

Tgt Ion:252 Resp: 43069
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 11.5 7.3 10.9

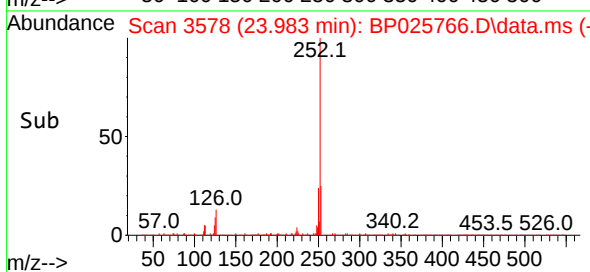
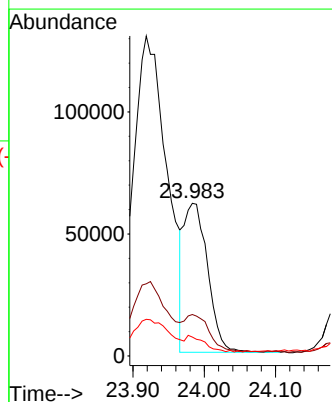
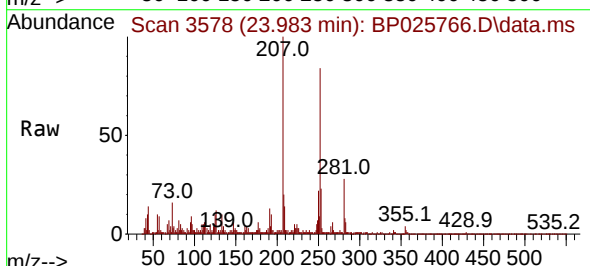
Manual Integrations
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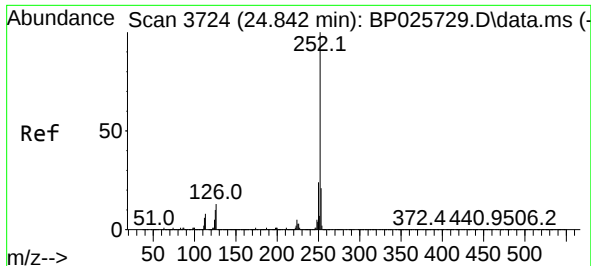
Reviewed By :Rahul Chavli 09/17/2025
Supervised By :Jagrut Upadhyay 09/17/2025



#89
Benzo(k)fluoranthene
Concen: 2.054 ng m
RT: 23.983 min Scan# 3578
Delta R.T. -0.018 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

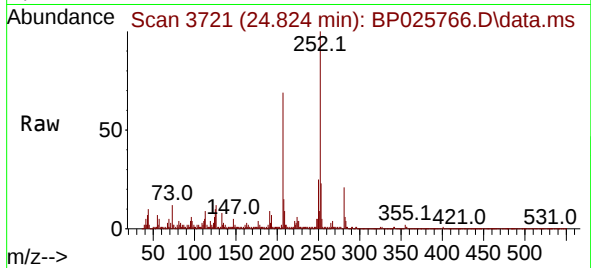
Tgt Ion:252 Resp: 141511
Ion Ratio Lower Upper
252 100
253 27.1 17.5 26.3#
125 12.3 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 4.617 ng
RT: 24.824 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37

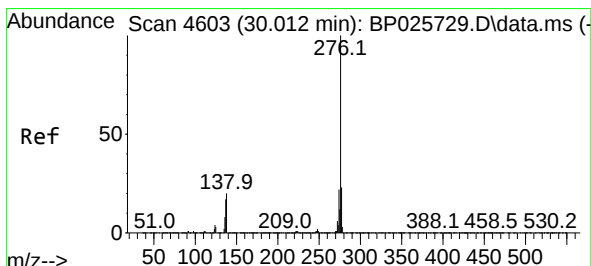
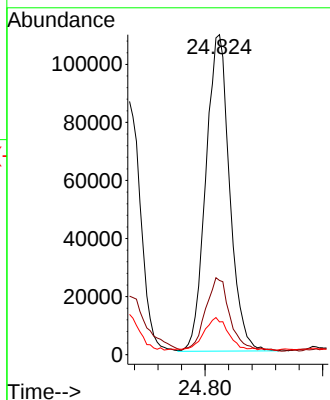
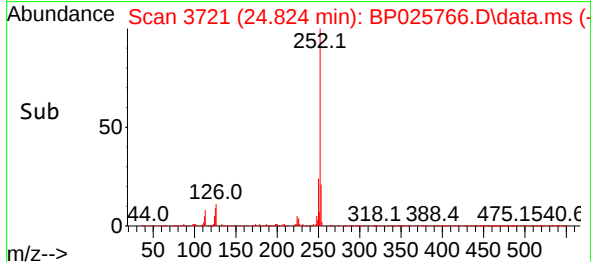
Instrument :
BNA_P
ClientSampleId :
NB-07-09152025



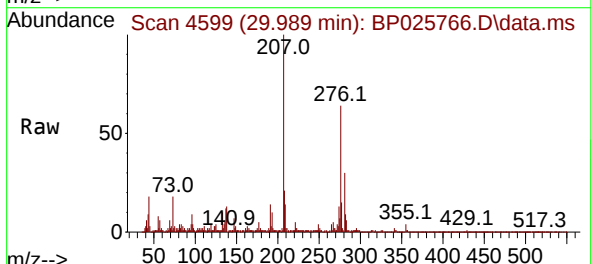
Tgt Ion: 252 Resp: 30532
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 10.3 8.3 12.5

Manual Integrations
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Reviewed By :Rahul Chavli 09/17/2025
Supervised By :Jagrut Upadhyay 09/17/2025



#92
Benzo(g,h,i)perylene
Concen: 3.889 ng
RT: 29.989 min Scan# 4599
Delta R.T. -0.023 min
Lab File: BP025766.D
Acq: 16 Sep 2025 20:37



Tgt Ion: 276 Resp: 251326
Ion Ratio Lower Upper
276 100
277 23.8 18.7 28.1
138 20.2 16.0 24.0

