

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
 Data File : BP025538.D
 Acq On : 21 Aug 2025 13:34
 Operator : CG/JU
 Sample : Q2897-01 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 HD-02-08182025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/22/2025
 Supervised By :mohammad ahmed 08/22/2025

Quant Time: Aug 21 14:51:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 14 18:14:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.784	152	220958	20.000	ng	-0.01
21) Naphthalene-d8	10.554	136	829357	20.000	ng	0.00
39) Acenaphthene-d10	14.401	164	467669	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	880637	20.000	ng	-0.01
76) Chrysene-d12	21.642	240	927569	20.000	ng	0.00
86) Perylene-d12	25.018	264	1062231	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.396	112	258245	19.409	ng	-0.01
7) Phenol-d6	6.961	99	313710	18.390	ng	0.00
23) Nitrobenzene-d5	8.919	82	196096	11.961	ng	-0.02
42) 2,4,6-Tribromophenol	15.901	330	105501	16.760	ng	-0.01
45) 2-Fluorobiphenyl	13.007	172	432204	12.630	ng	-0.01
79) Terphenyl-d14	19.913	244	579364	11.428	ng	0.00
Target Compounds						
75) Fluoranthene	19.319	202	176286	3.055	ng	97
78) Pyrene	19.695	202	198421	3.291	ng	99
88) Benzo(b)fluoranthene	23.960	252	159374	2.544	ng	# 81

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

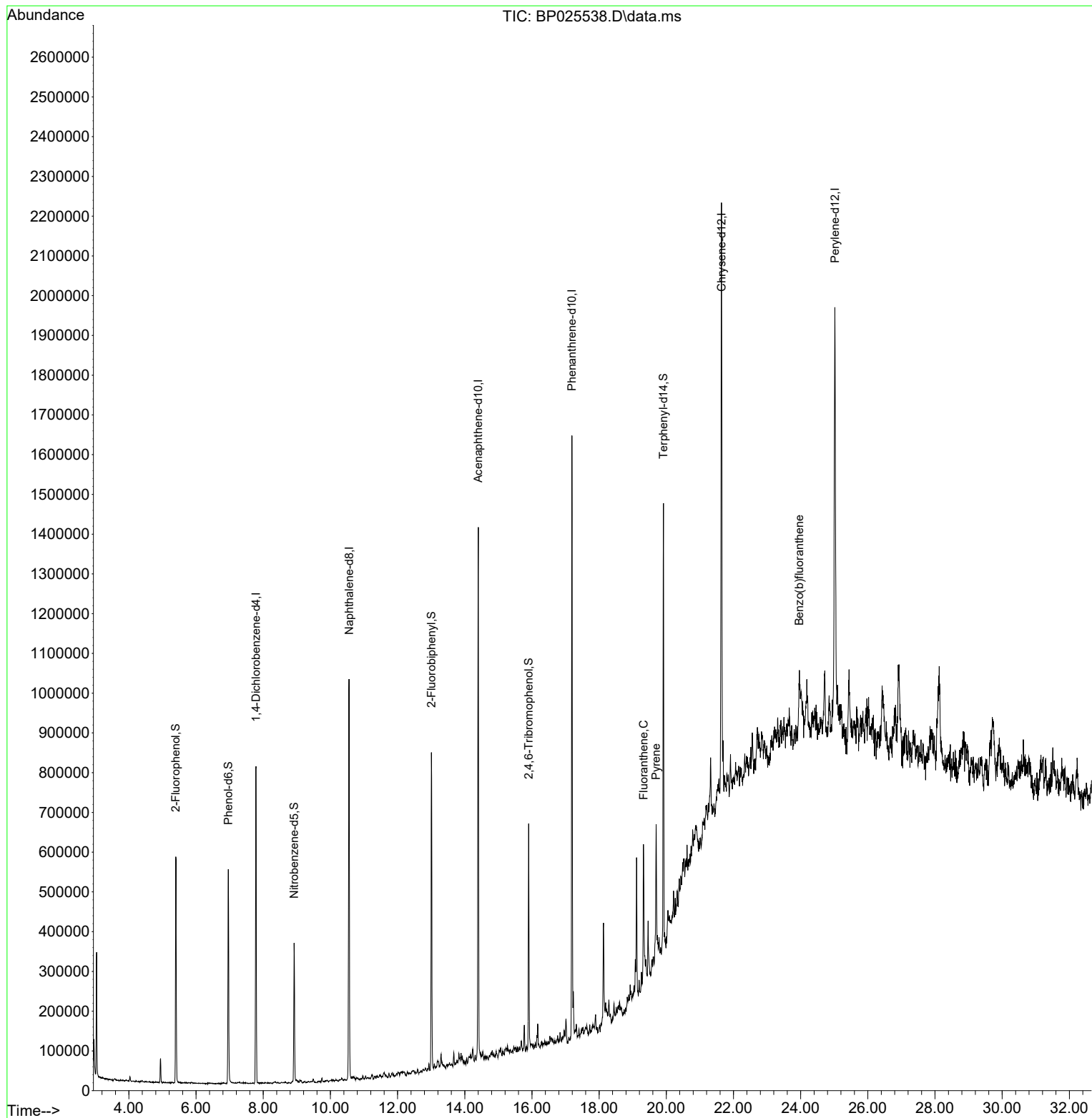
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082025\
Data File : BP025538.D
Acq On : 21 Aug 2025 13:34
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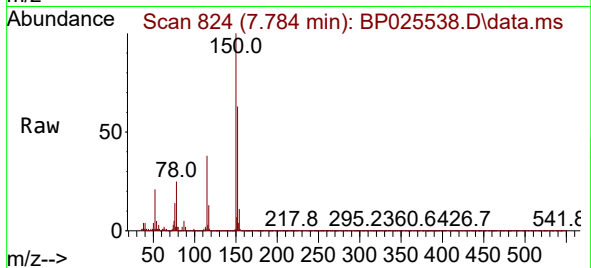
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.784 min Scan# 81
Delta R.T. -0.012 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

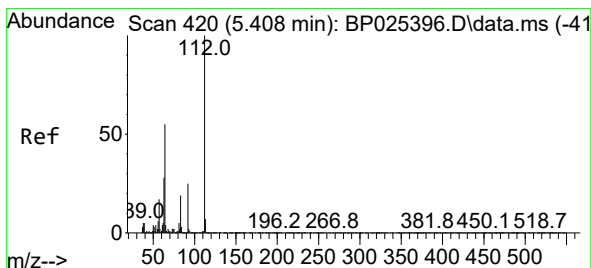
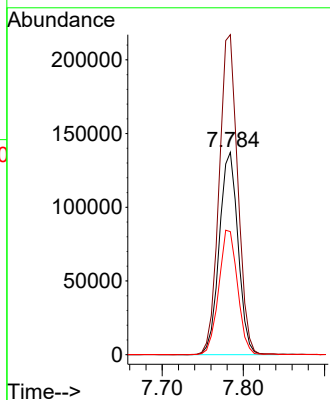
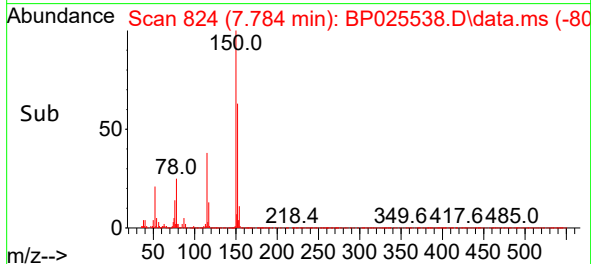
Instrument :
BNA_P
ClientSampleId :
HD-02-08182025



Tgt Ion:152 Resp: 220958
Ion Ratio Lower Upper
152 100
150 158.1 125.9 188.9
115 60.8 48.5 72.7

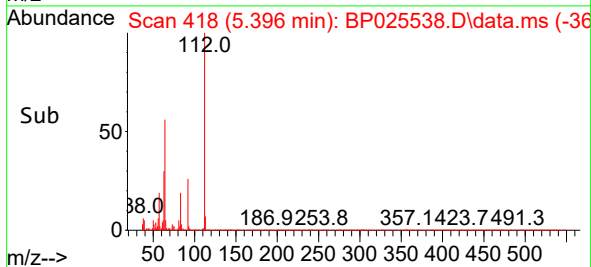
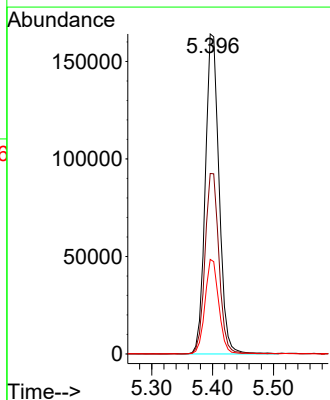
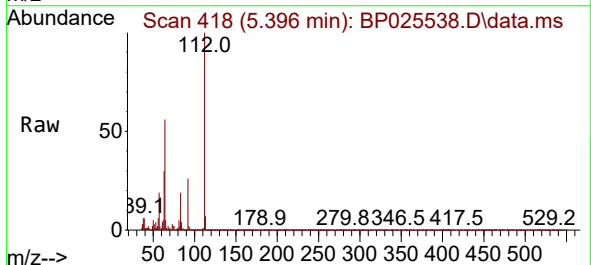
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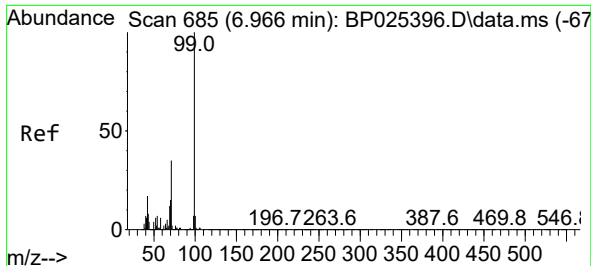
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#5
2-Fluorophenol
Concen: 19.409 ng
RT: 5.396 min Scan# 418
Delta R.T. -0.012 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

Tgt Ion:112 Resp: 258245
Ion Ratio Lower Upper
112 100
64 56.4 43.8 65.8
63 29.6 22.7 34.1





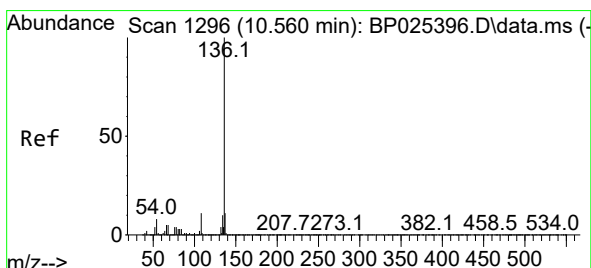
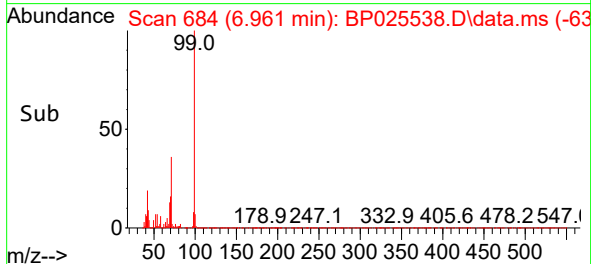
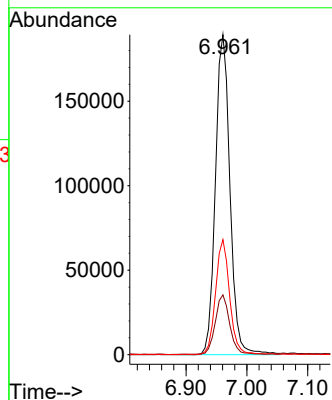
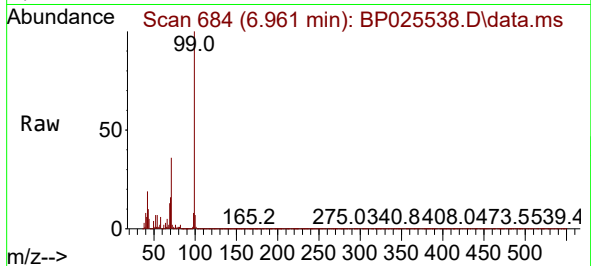
#7
Phenol-d6
Concen: 18.390 ng
RT: 6.961 min Scan# 684
Delta R.T. -0.006 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

Instrument :
BNA_P
ClientSampleId :
HD-02-08182025

Tgt Ion: 99 Resp: 313710
Ion Ratio Lower Upper
99 100
42 18.7 13.7 20.5
71 36.0 28.2 42.4

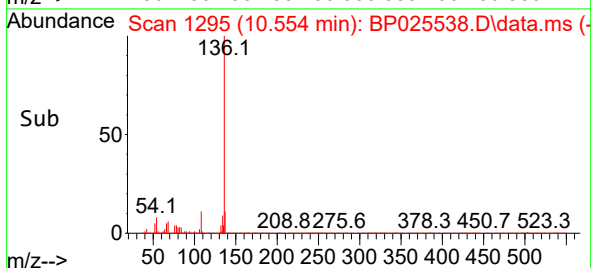
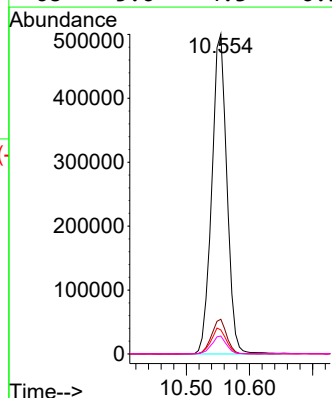
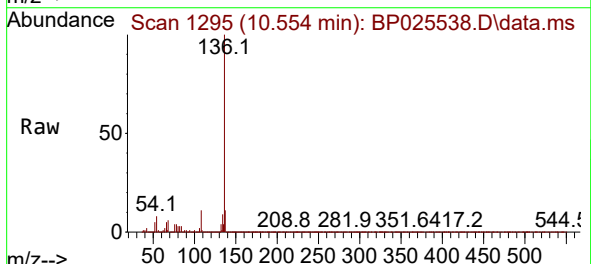
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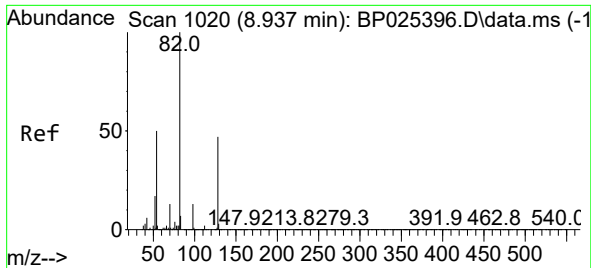
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.554 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

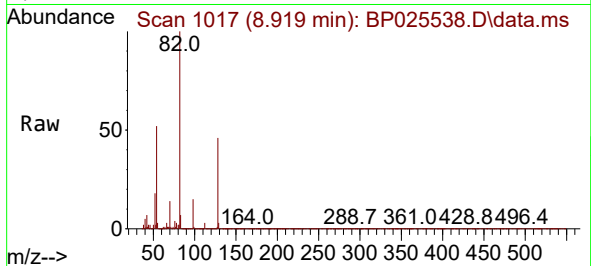
Tgt Ion:136 Resp: 829357
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 7.5 6.0 9.0
68 5.6 4.3 6.5





#23
Nitrobenzene-d5
Concen: 11.961 ng
RT: 8.919 min Scan# 1020
Delta R.T. -0.018 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

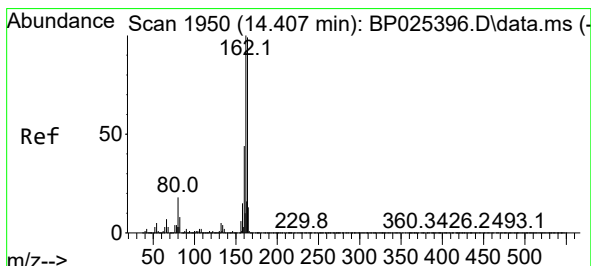
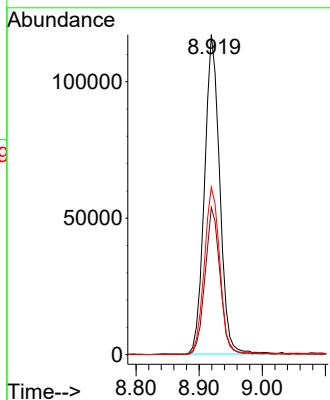
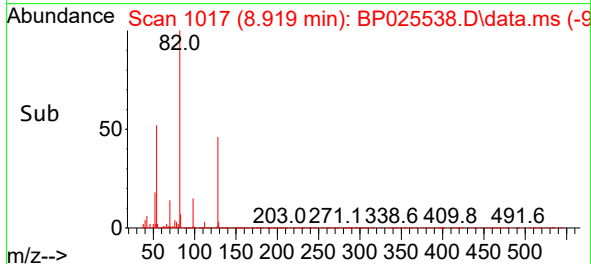
Instrument :
BNA_P
ClientSampleId :
HD-02-08182025



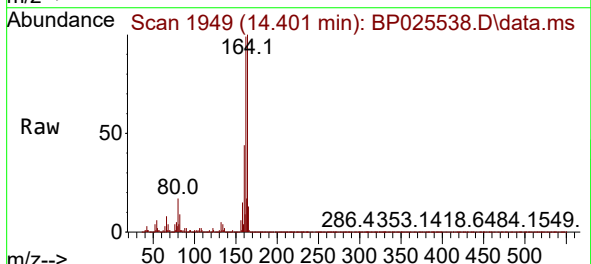
Tgt Ion: 82 Resp: 196090
Ion Ratio Lower Upper
82 100
128 46.0 37.7 56.5
54 52.3 39.8 59.6

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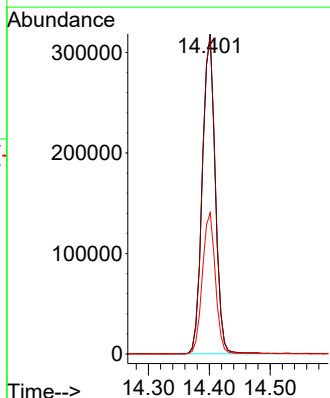
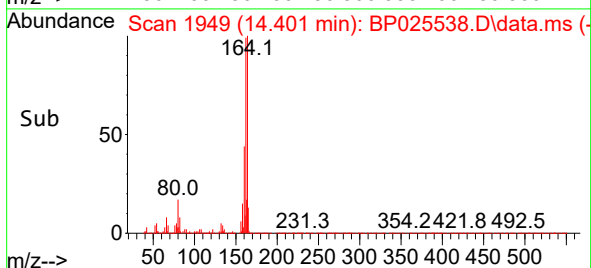
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

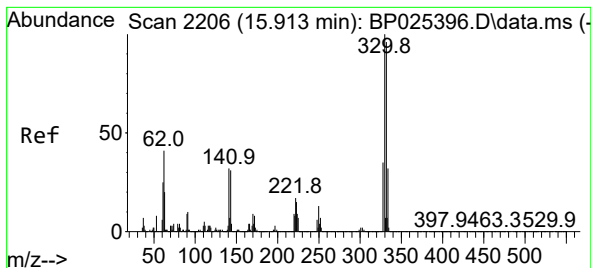


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34



Tgt Ion:164 Resp: 467669
Ion Ratio Lower Upper
164 100
162 99.1 81.0 121.6
160 44.2 35.4 53.2





#42

2,4,6-Tribromophenol

Concen: 16.760 ng

RT: 15.901 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP025538.D

Acq: 21 Aug 2025 13:34

Instrument :

BNA_P

ClientSampleId :

HD-02-08182025

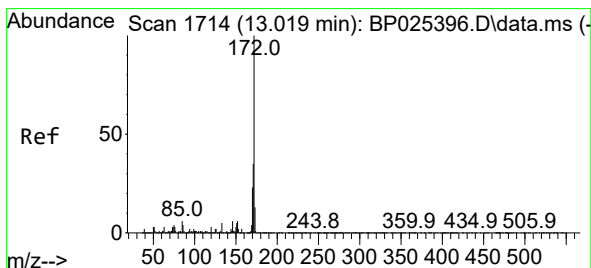
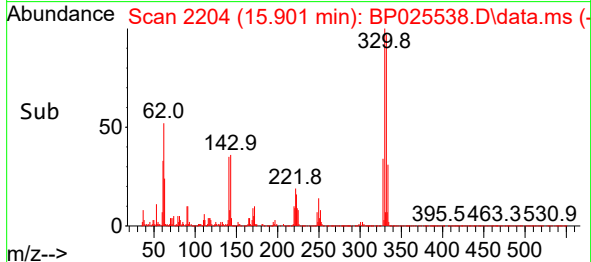
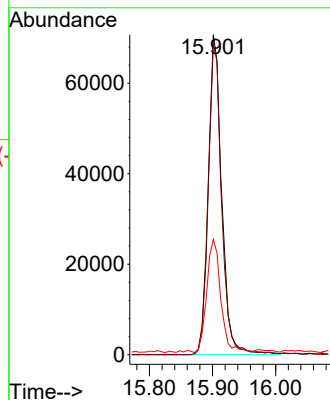
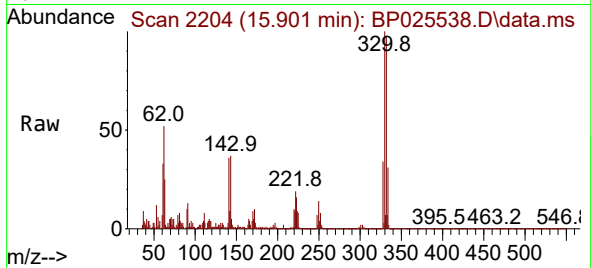
Tgt Ion:	330	Resp:	10550
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.3	115.9
141	36.5	26.6	39.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/22/2025

Supervised By :mohammad ahmed 08/22/2025



#45

2-Fluorobiphenyl

Concen: 12.630 ng

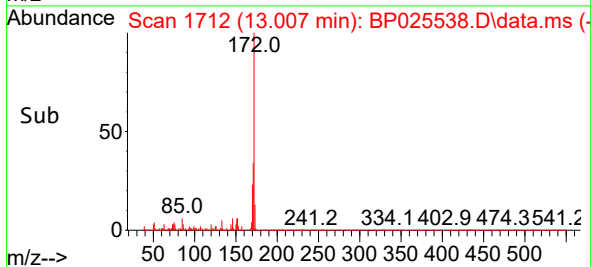
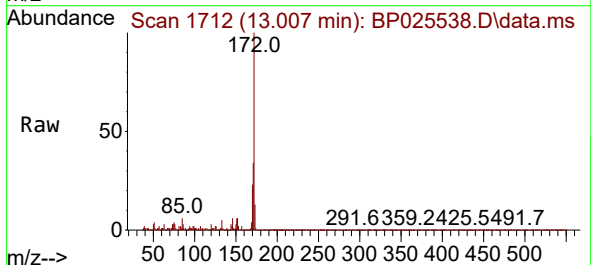
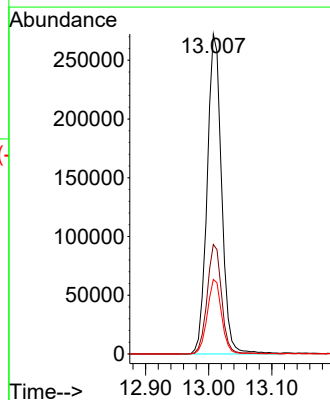
RT: 13.007 min Scan# 1712

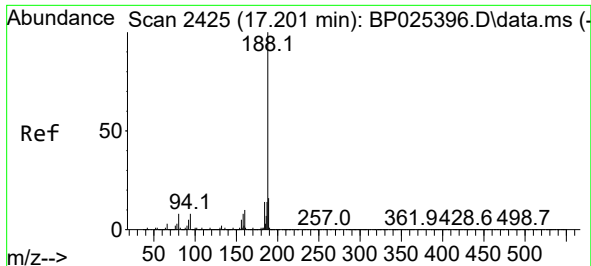
Delta R.T. -0.012 min

Lab File: BP025538.D

Acq: 21 Aug 2025 13:34

Tgt Ion:	172	Resp:	432204
Ion Ratio	Lower	Upper	
172	100		
171	34.2	28.1	42.1
170	23.3	18.6	28.0





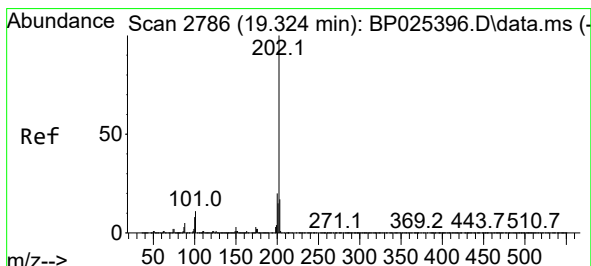
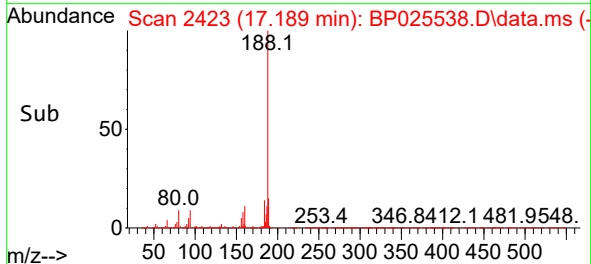
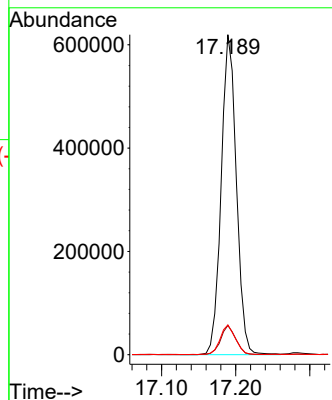
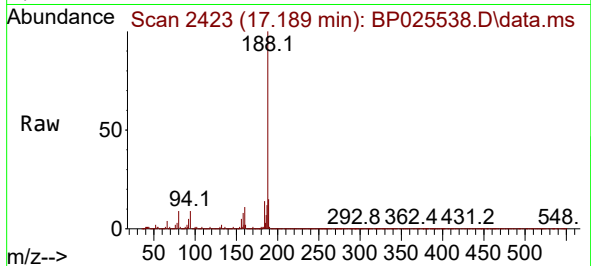
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

Instrument :
BNA_P
ClientSampleId :
HD-02-08182025

Tgt Ion:188 Resp: 88063
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.3 6.7 10.1

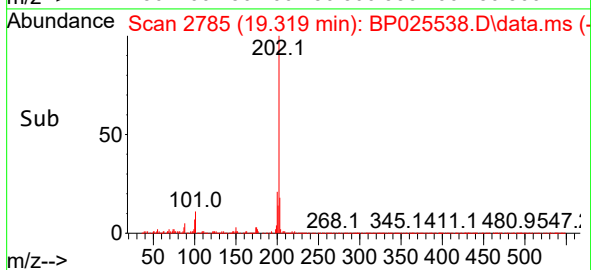
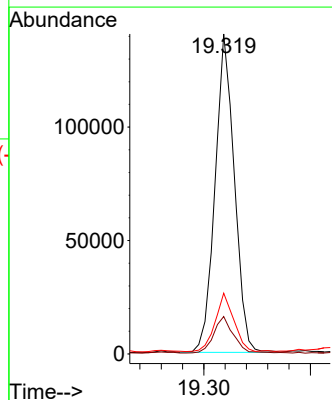
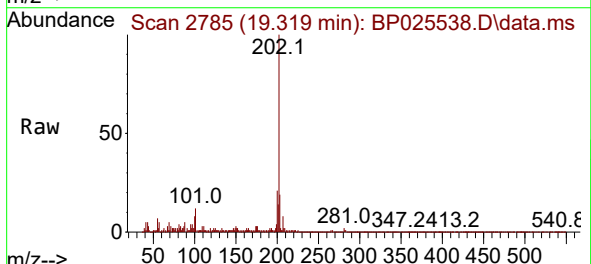
Manual Integrations
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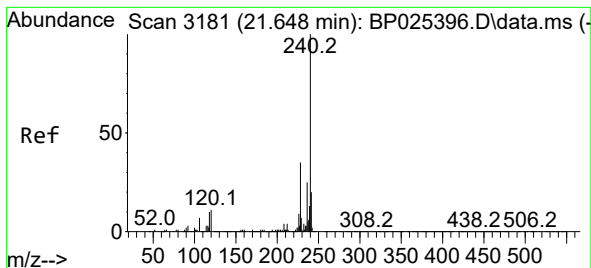
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#75
Fluoranthene
Concen: 3.055 ng
RT: 19.319 min Scan# 2785
Delta R.T. -0.006 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

Tgt Ion:202 Resp: 176286
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.1
203 19.0 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.642 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025538.D

Acq: 21 Aug 2025 13:34

Instrument :

BNA_P

ClientSampleId :

HD-02-08182025

Tgt Ion:240 Resp: 927569

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

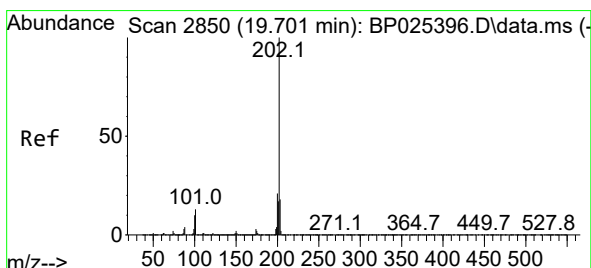
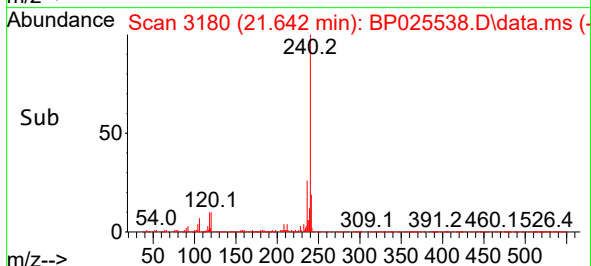
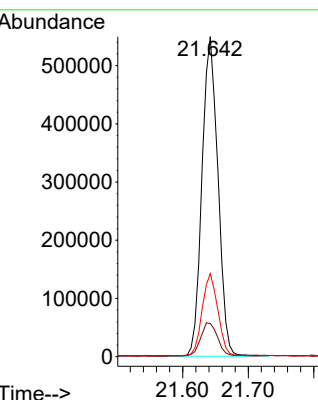
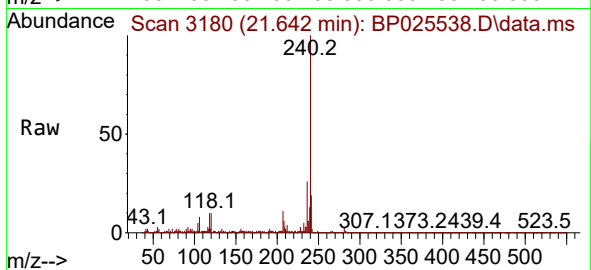
236 26.0 19.8 29.8

Manual Integrations

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Reviewed By :Rahul Chavli 08/22/2025

Supervised By :mohammad ahmed 08/22/2025



#78

Pyrene

Concen: 3.291 ng

RT: 19.695 min Scan# 2849

Delta R.T. -0.006 min

Lab File: BP025538.D

Acq: 21 Aug 2025 13:34

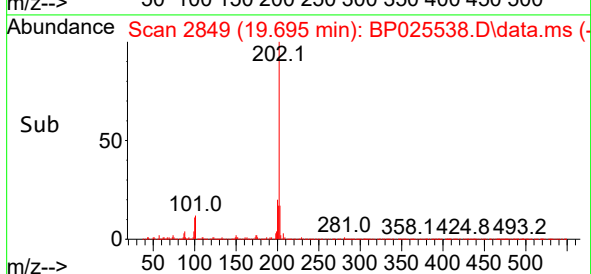
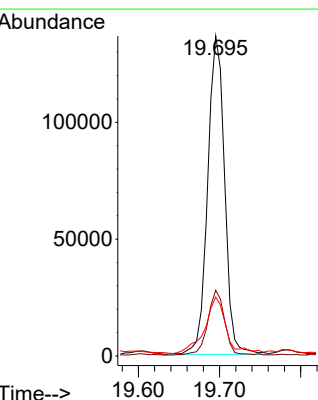
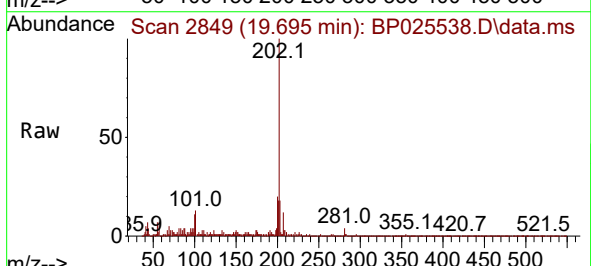
Tgt Ion:202 Resp: 198421

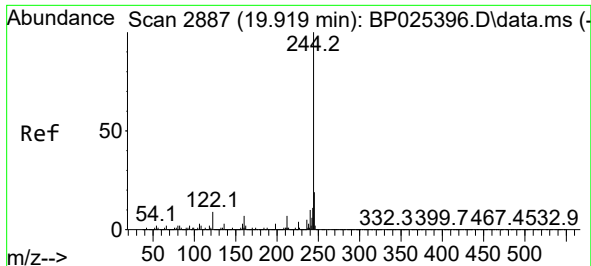
Ion Ratio Lower Upper

202 100

200 20.5 16.9 25.3

203 18.4 14.2 21.2





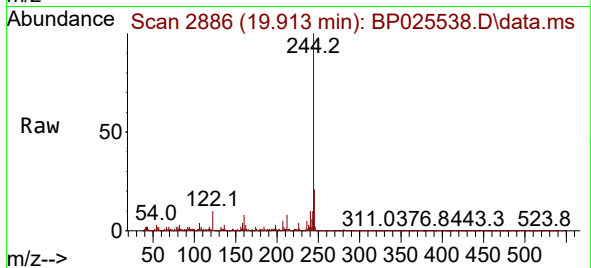
#79
Terphenyl-d14
Concen: 11.428 ng
RT: 19.913 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34

Instrument :

BNA_P

ClientSampleId :

HD-02-08182025



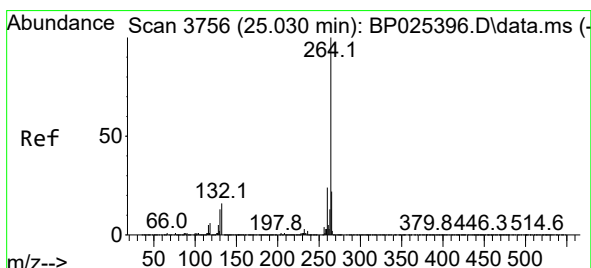
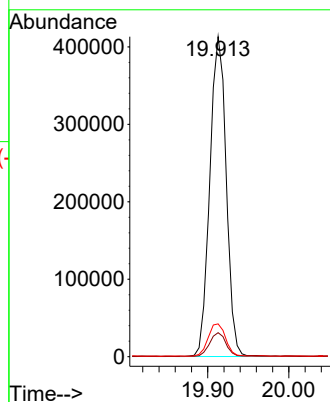
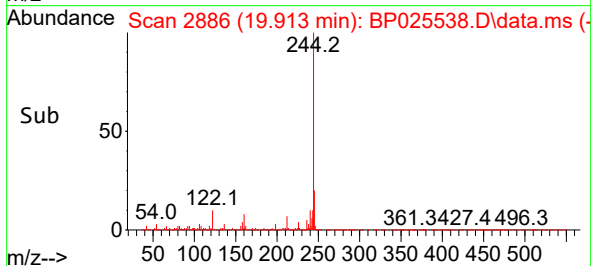
Tgt Ion:244 Resp: 579364
Ion Ratio Lower Upper
244 100
212 7.5 5.8 8.6
122 10.3 7.4 11.2

Manual Integrations

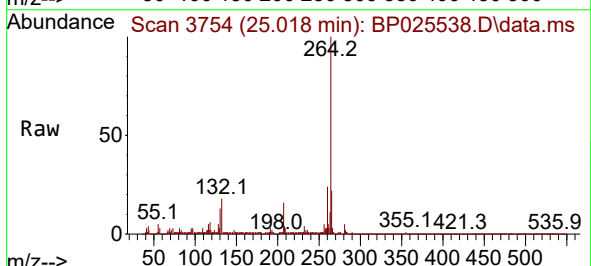
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Reviewed By :Rahul Chavli 08/22/2025

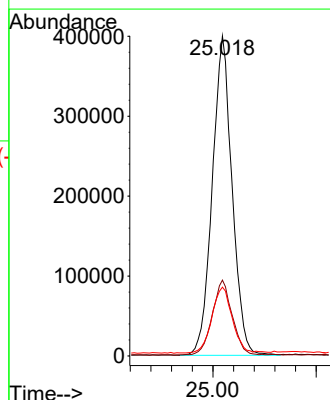
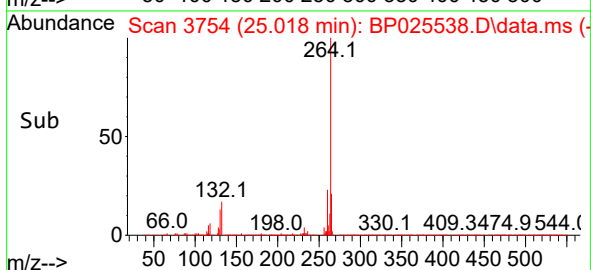
Supervised By :mohammad ahmed 08/22/2025

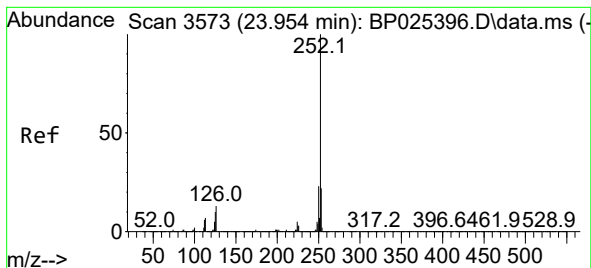


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.018 min Scan# 3754
Delta R.T. -0.012 min
Lab File: BP025538.D
Acq: 21 Aug 2025 13:34



Tgt Ion:264 Resp: 1062231
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.5 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.544 ng

RT: 23.960 min Scan# 3

Delta R.T. 0.006 min

Lab File: BP025538.D

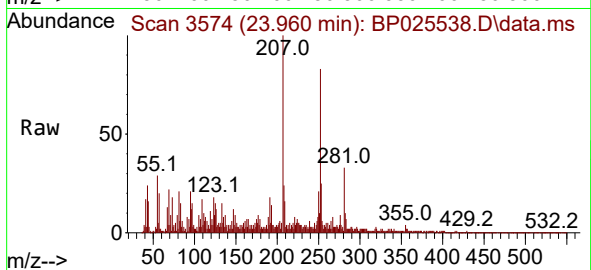
Acq: 21 Aug 2025 13:34

Instrument :

BNA_P

ClientSampleId :

HD-02-08182025



Tgt Ion:252 Resp: 159374

Ion Ratio Lower Upper

252 100

253 30.1 17.7 26.5

125 18.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/22/2025

Supervised By :mohammad ahmed 08/22/2025

