

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
 Data File : BP025592.D
 Acq On : 26 Aug 2025 19:22
 Operator : CG/JU
 Sample : Q2947-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 235

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/27/2025
 Supervised By :Jagrut Upadhyay 08/27/2025

Quant Time: Aug 27 01:03:27 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	7.778	152	253724	20.000	ng	-0.02
21) Naphthalene-d8	10.549	136	1014051	20.000	ng	-0.01
39) Acenaphthene-d10	14.390	164	633465	20.000	ng	-0.02
64) Phenanthrene-d10	17.195	188	962486	20.000	ng	# 0.00
76) Chrysene-d12	21.666	240	1134739	20.000	ng	0.02
86) Perylene-d12	25.054	264	1409406	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	1204144	78.815	ng	0.00
7) Phenol-d6	6.972	99	1557641	79.521	ng	0.00
23) Nitrobenzene-d5	8.919	82	1010893	50.428	ng	-0.02
42) 2,4,6-Tribromophenol	15.907	330	678179	79.538	ng	0.00
45) 2-Fluorobiphenyl	12.996	172	2392741	51.623	ng	-0.02
79) Terphenyl-d14	19.942	244	3007178	48.486	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	17.242	178	187552	3.547	ng	# 40
75) Fluoranthene	19.336	202	439634	6.971	ng	76
78) Pyrene	19.719	202	538113	7.296	ng	# 82
81) Benzo(a)anthracene	21.642	228	278495	3.721	ng	# 77
83) Chrysene	21.713	228	372008	5.308	ng	# 83
84) Bis(2-ethylhexyl)phtha...	21.577	149	308767	6.275	ng	# 95
87) Indeno(1,2,3-cd)pyrene	28.895	276	376950	3.647	ng	# 93
88) Benzo(b)fluoranthene	23.983	252	624802	7.518	ng	# 86
89) Benzo(k)fluoranthene	24.042	252	187260m	2.252	ng	
90) Benzo(a)pyrene	24.883	252	358263	4.428	ng	# 82
92) Benzo(g,h,i)perylene	30.065	276	455709	5.489	ng	95

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

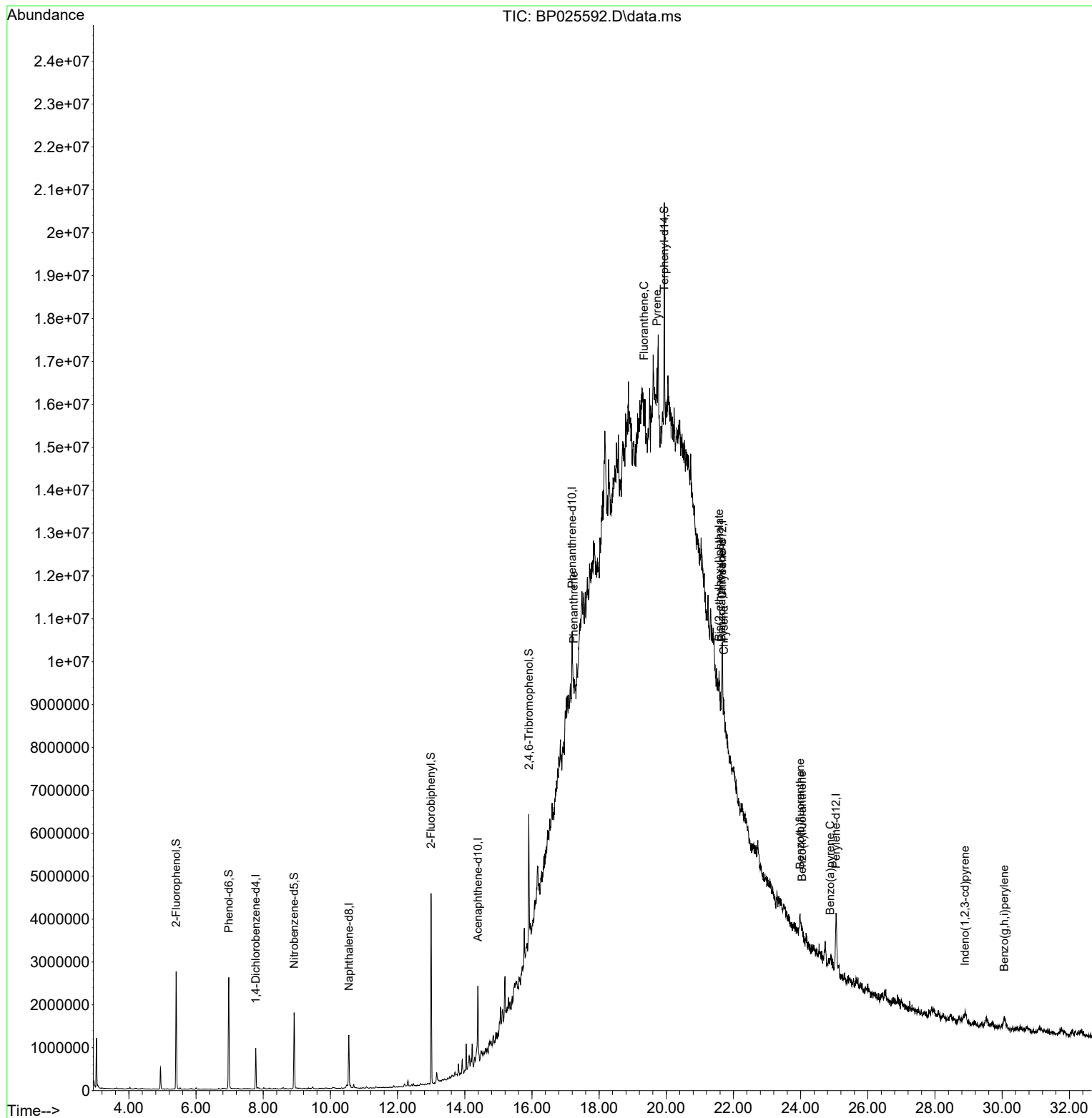
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082625\
Data File : BP025592.D
Acq On : 26 Aug 2025 19:22
Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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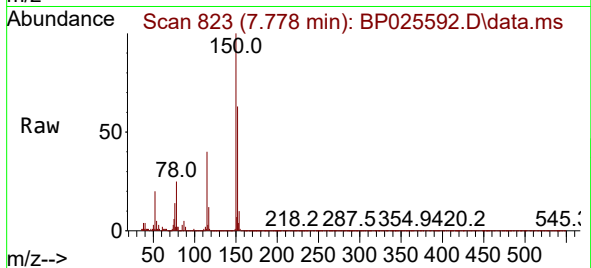
Quant Time: Aug 27 01:03:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 14 18:14:31 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

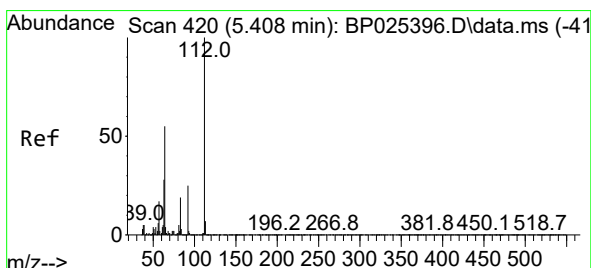
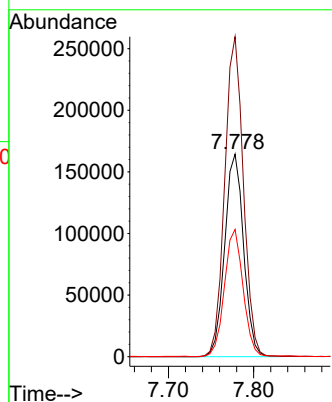
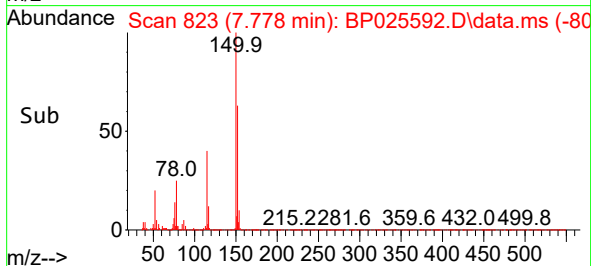
Instrument :
BNA_P
ClientSampleId :
235



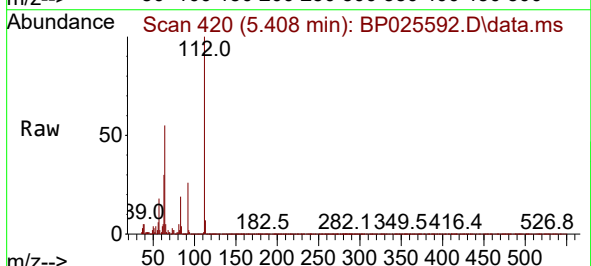
Tgt Ion:152 Resp: 253724
Ion Ratio Lower Upper
152 100
150 158.0 125.9 188.9
115 62.8 48.5 72.7

Manual Integrations
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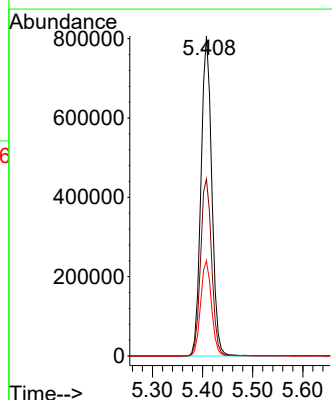
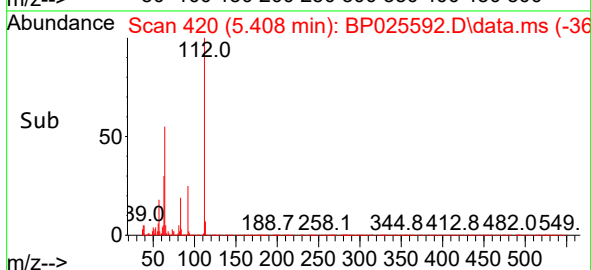
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

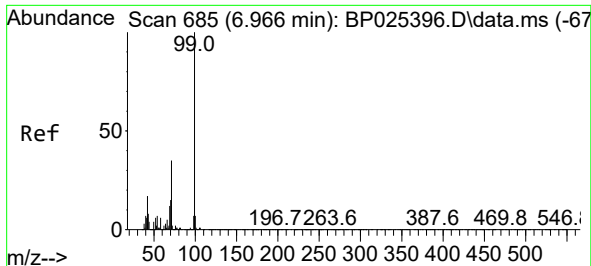


#5
2-Fluorophenol
Concen: 78.815 ng
RT: 5.408 min Scan# 420
Delta R.T. 0.000 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22



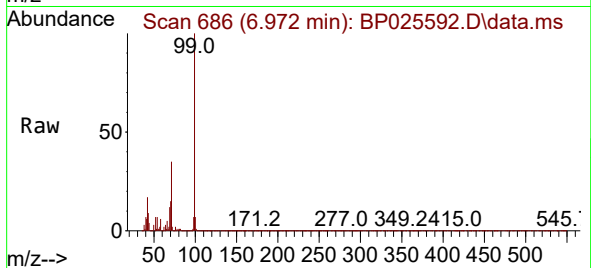
Tgt Ion:112 Resp: 1204144
Ion Ratio Lower Upper
112 100
64 55.3 43.8 65.8
63 29.7 22.7 34.1





#7
Phenol-d6
Concen: 79.521 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

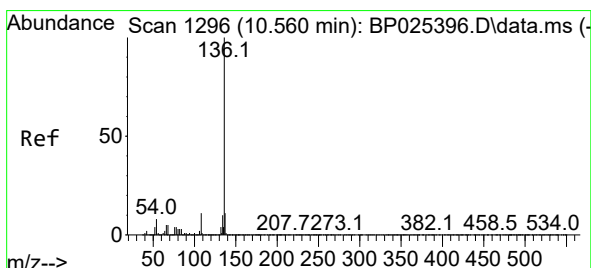
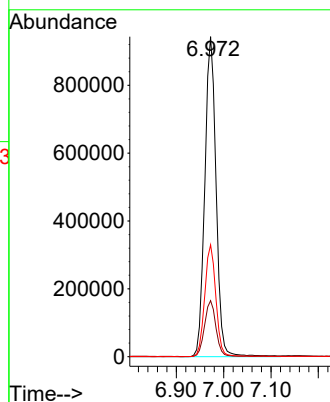
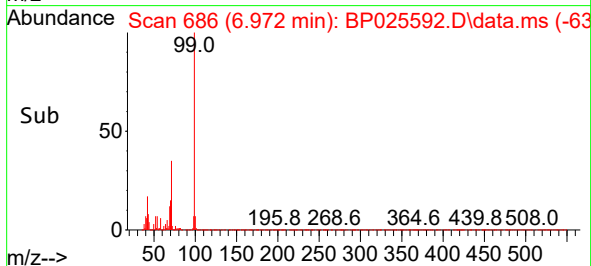
Instrument :
BNA_P
ClientSampleId :
235



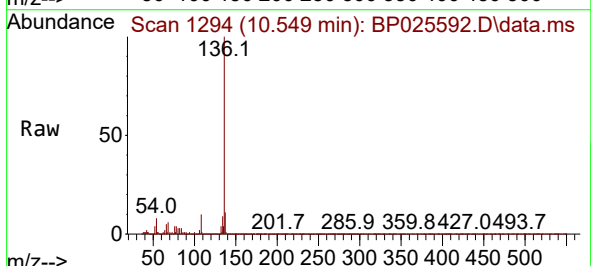
Tgt Ion: 99 Resp: 155764
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 34.9 28.2 42.4

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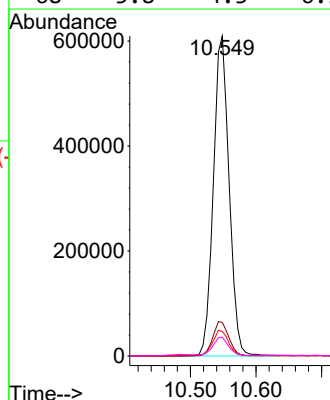
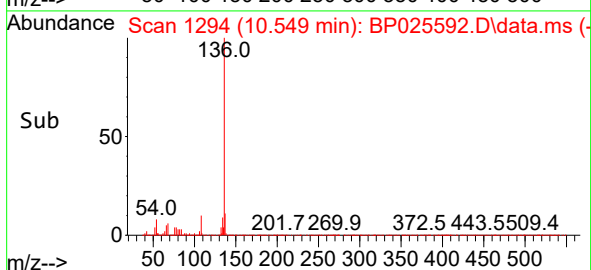
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.549 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22



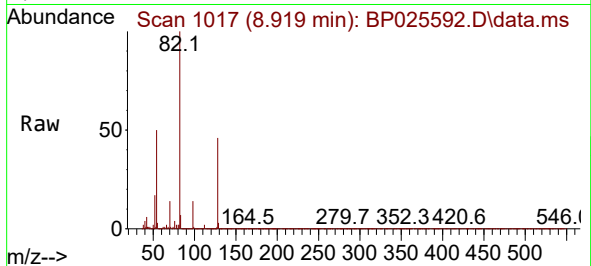
Tgt Ion:136 Resp: 1014051
Ion Ratio Lower Upper
136 100
137 10.5 9.2 13.8
54 7.6 6.0 9.0
68 5.8 4.3 6.5





#23
Nitrobenzene-d5
Concen: 50.428 ng
RT: 8.919 min Scan# 1017
Delta R.T. -0.018 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

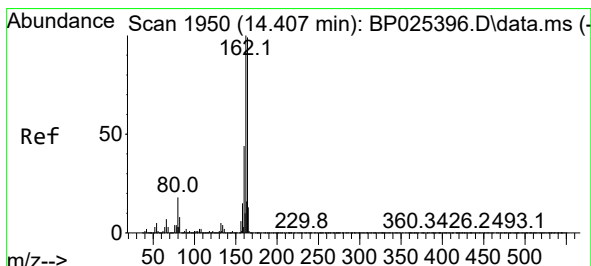
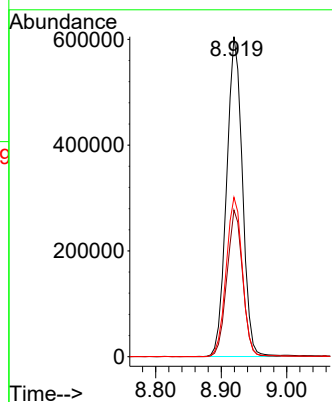
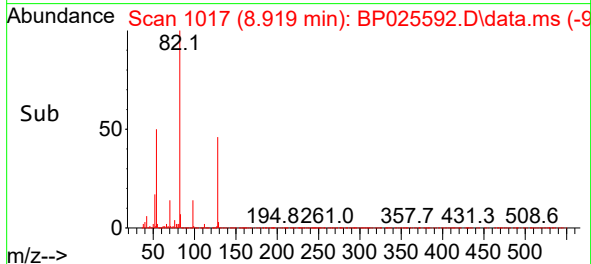
Instrument :
BNA_P
ClientSampleId :
235



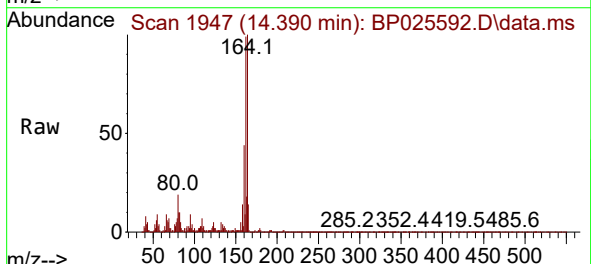
Tgt Ion: 82 Resp: 101089
Ion Ratio Lower Upper
82 100
128 45.8 37.7 56.5
54 49.8 39.8 59.6

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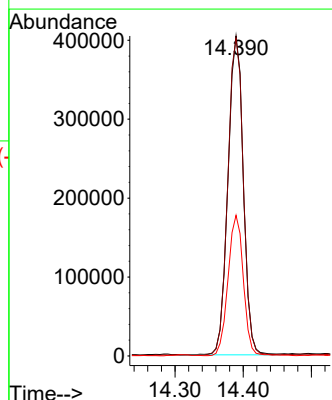
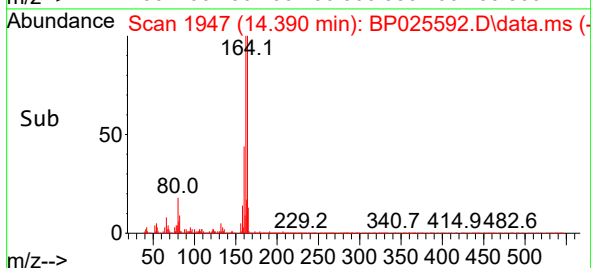
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

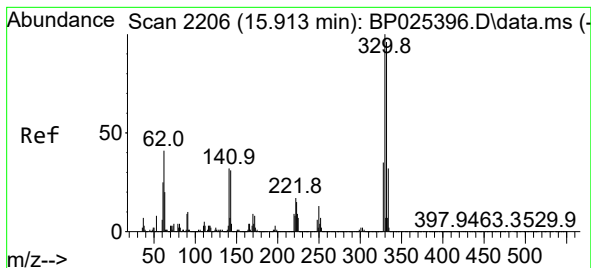


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.390 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22



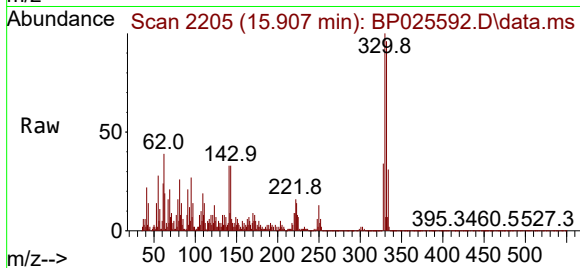
Tgt Ion:164 Resp: 633465
Ion Ratio Lower Upper
164 100
162 99.4 81.0 121.6
160 43.9 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 79.538 ng
RT: 15.907 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

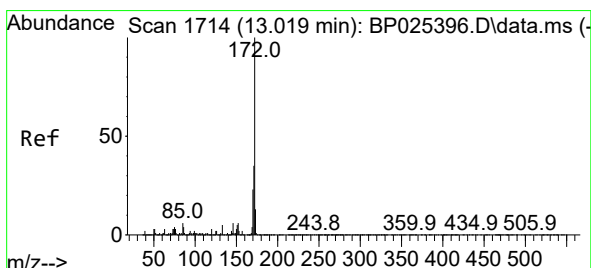
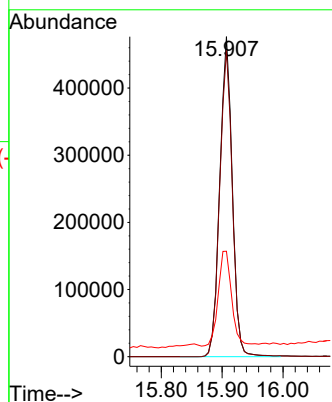
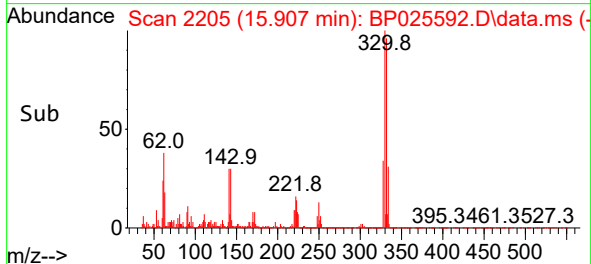
Instrument :
BNA_P
ClientSampleId :
235



Tgt Ion:330 Resp: 678179
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 32.1 26.6 39.8

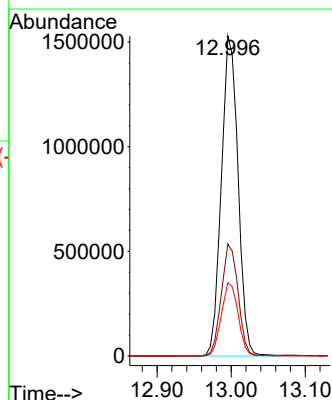
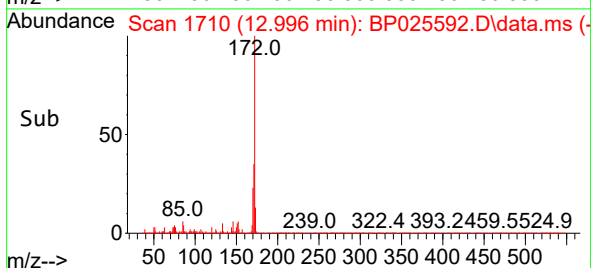
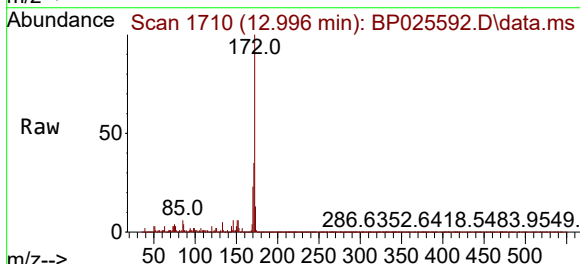
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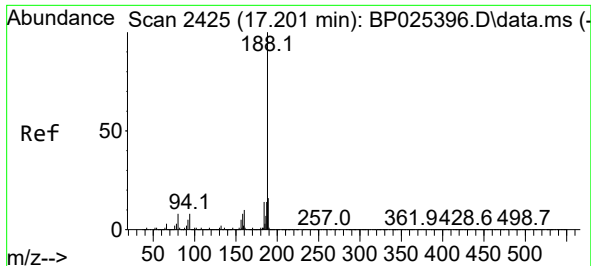
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025



#45
2-Fluorobiphenyl
Concen: 51.623 ng
RT: 12.996 min Scan# 1710
Delta R.T. -0.023 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion:172 Resp: 2392741
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.9 18.6 28.0





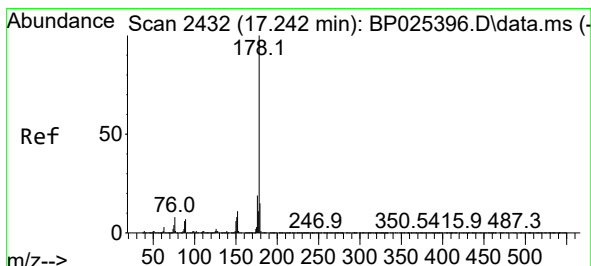
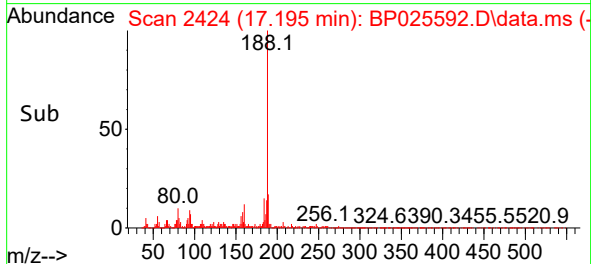
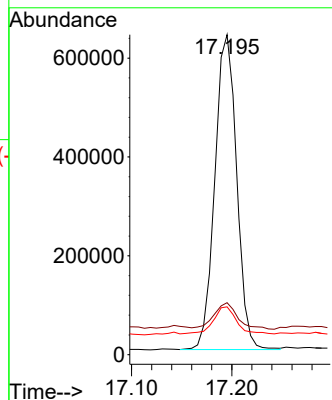
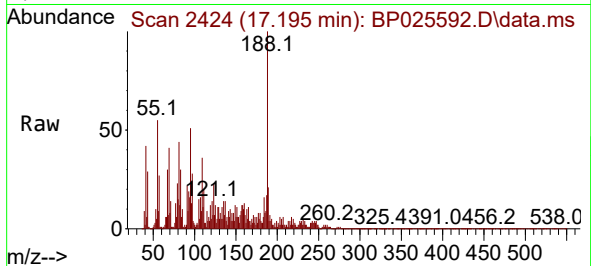
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.195 min Scan# 2425
Delta R.T. -0.006 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Instrument :
BNA_P
ClientSampleId :
235

Tgt Ion:188 Resp: 962480
Ion Ratio Lower Upper
188 100
94 16.2 6.6 10.0#
80 15.0 6.7 10.1#

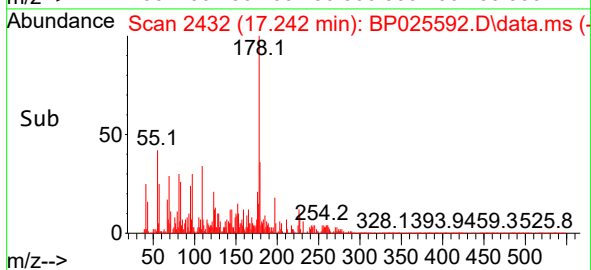
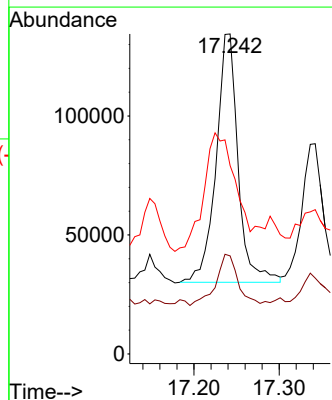
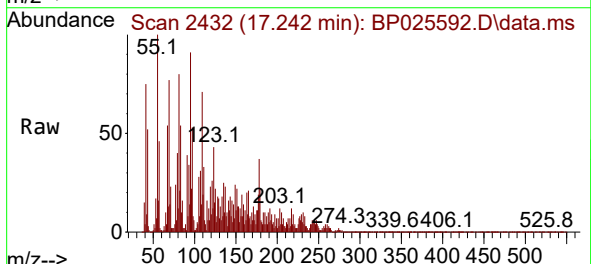
Manual Integrations
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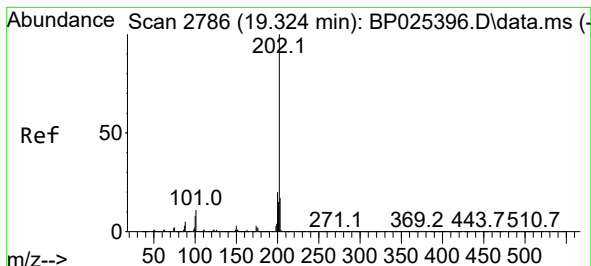
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025



#71
Phenanthrene
Concen: 3.547 ng
RT: 17.242 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

Tgt Ion:178 Resp: 187552
Ion Ratio Lower Upper
178 100
176 30.7 15.5 23.3#
179 58.9 12.2 18.4#





#75

Fluoranthene

Concen: 6.971 ng

RT: 19.336 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

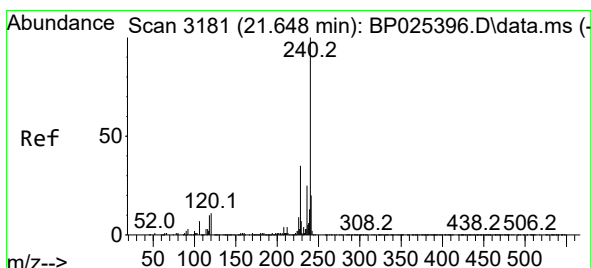
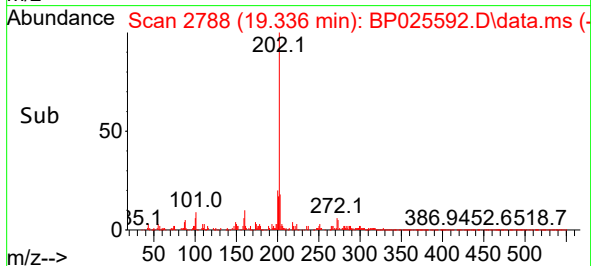
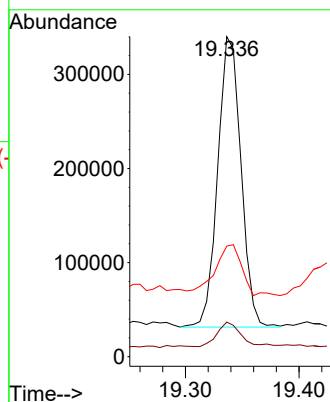
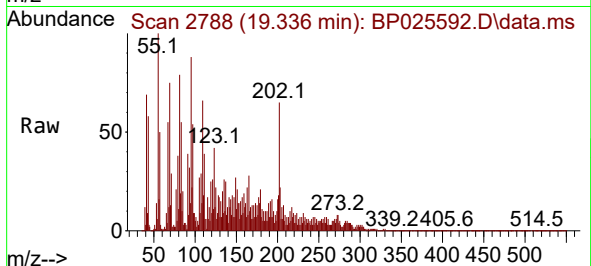
Tgt Ion:	202	Resp:	439634
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	31.1
203	34.6	0.0	37.3

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#76

Chrysene-d12

Concen: 20.000 ng

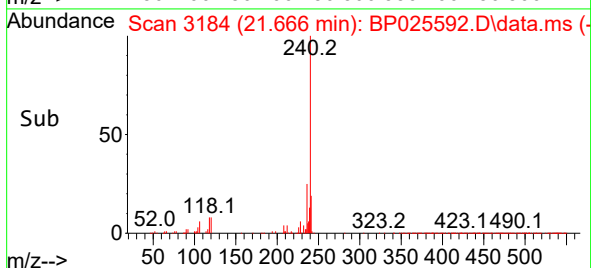
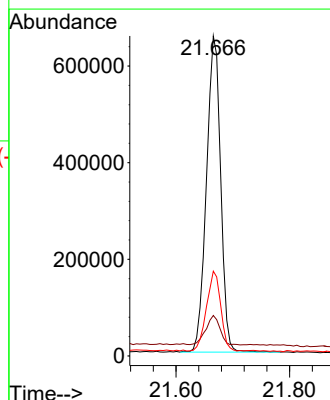
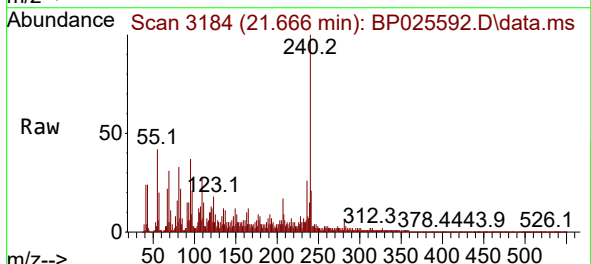
RT: 21.666 min Scan# 3184

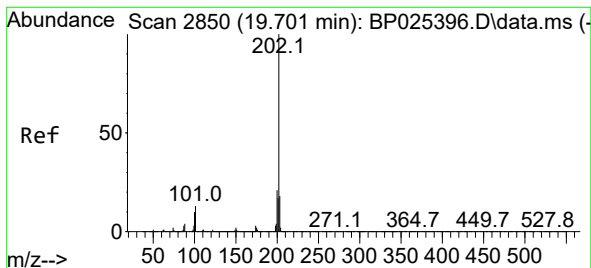
Delta R.T. 0.018 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Tgt Ion:	240	Resp:	1134739
Ion Ratio	Lower	Upper	
240	100		
120	12.7	8.9	13.3
236	26.5	19.8	29.8





#78

Pyrene

Concen: 7.296 ng

RT: 19.719 min Scan# 2853

Delta R.T. 0.018 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

Tgt Ion:202 Resp: 53811

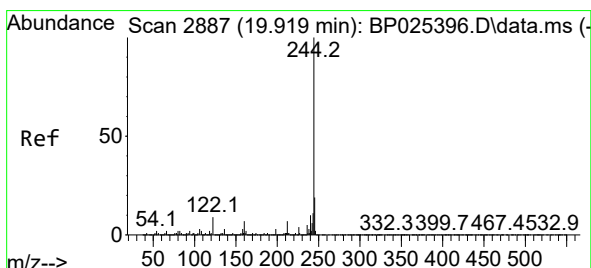
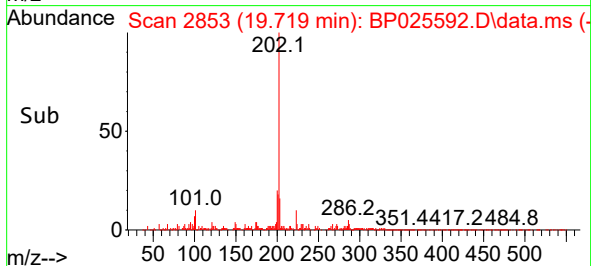
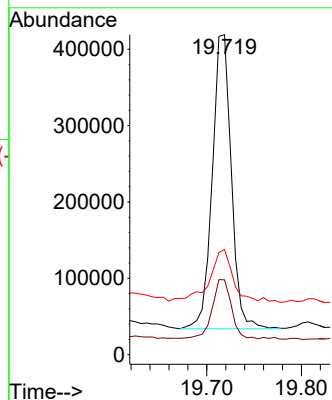
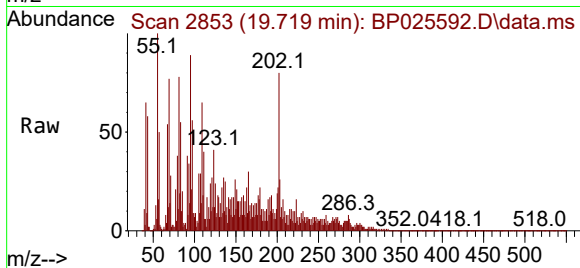
Ion	Ratio	Lower	Upper
202	100		
200	23.4	16.9	25.3
203	32.9	14.2	21.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/27/2025



#79

Terphenyl-d14

Concen: 48.486 ng

RT: 19.942 min Scan# 2891

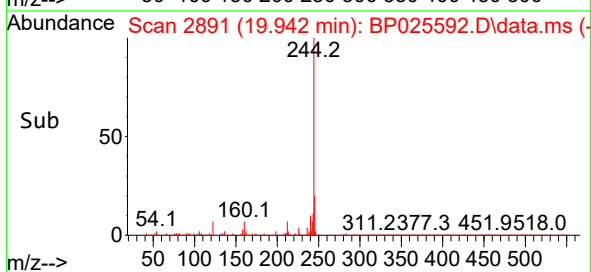
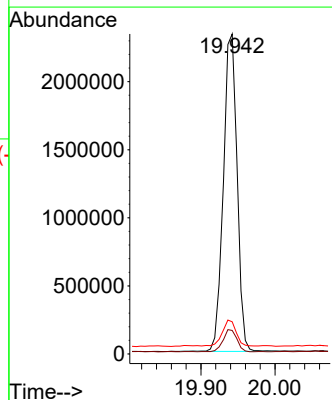
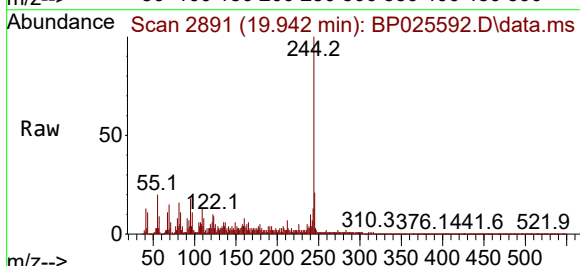
Delta R.T. 0.024 min

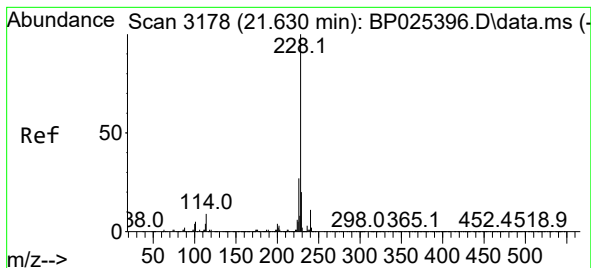
Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Tgt Ion:244 Resp: 3007178

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	10.1	7.4	11.2





#81

Benzo(a)anthracene

Concen: 3.721 ng

RT: 21.642 min Scan# 3180

Delta R.T. 0.012 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235

Tgt Ion:228 Resp: 27849

Ion Ratio Lower Upper

228 100

226 34.5 21.7 32.5

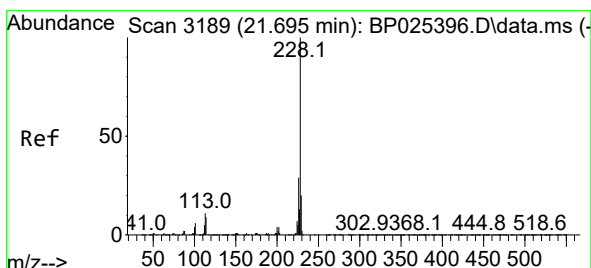
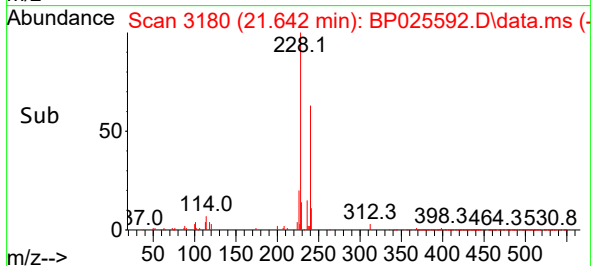
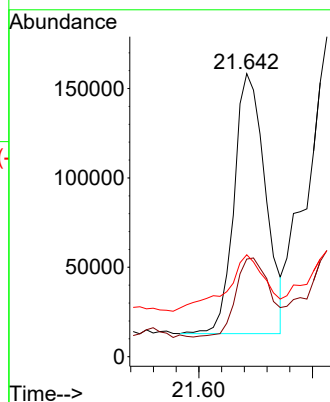
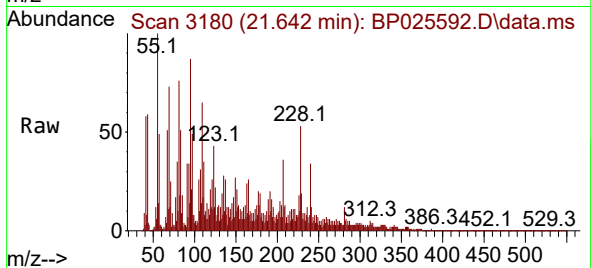
229 36.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/27/2025

Supervised By :Jagrut Upadhyay 08/27/2025



#83

Chrysene

Concen: 5.308 ng

RT: 21.713 min Scan# 3192

Delta R.T. 0.018 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

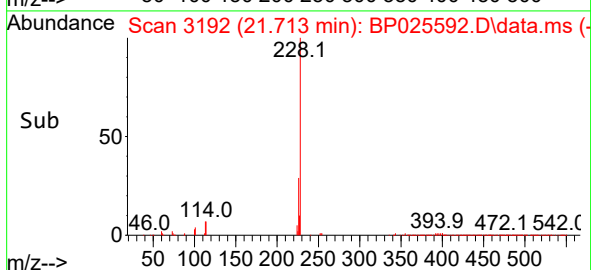
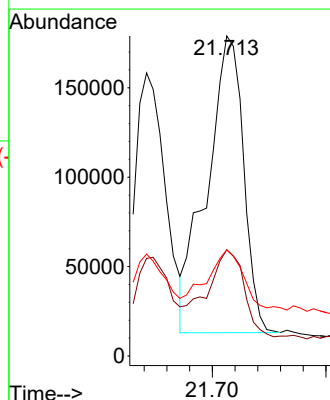
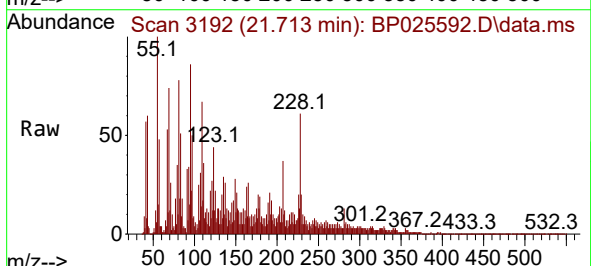
Tgt Ion:228 Resp: 372008

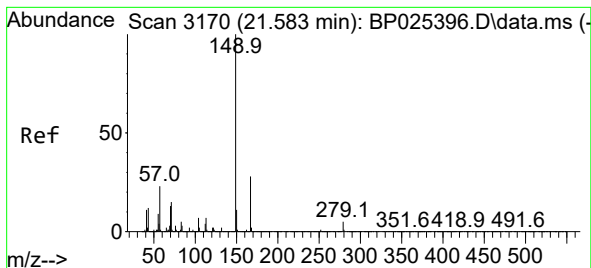
Ion Ratio Lower Upper

228 100

226 33.2 23.2 34.8

229 33.1 15.6 23.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.275 ng

RT: 21.577 min Scan# 31

Delta R.T. -0.006 min

Lab File: BP025592.D

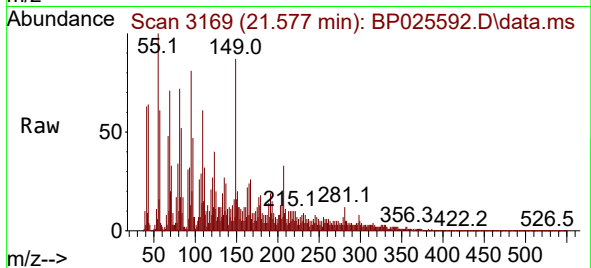
Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235



Tgt Ion:149 Resp: 30876

Ion Ratio Lower Upper

149 100

167 30.1 22.1 33.1

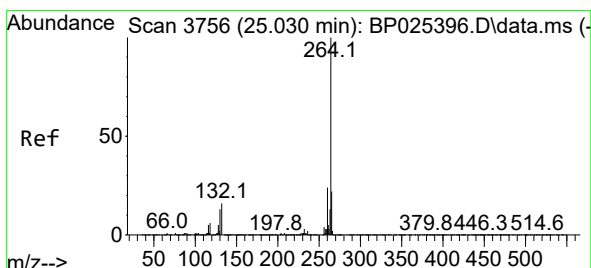
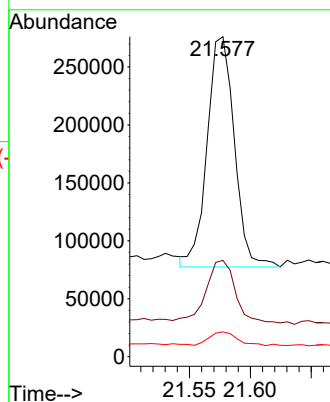
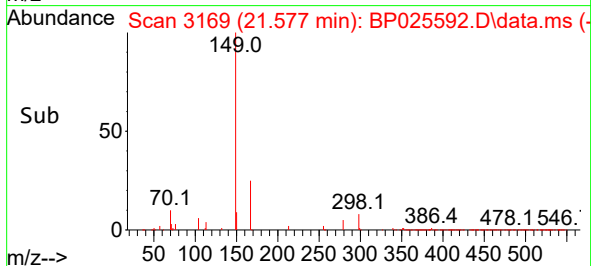
279 7.7 3.8 5.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/27/2025

Supervised By :Jagrut Upadhyay 08/27/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.054 min Scan# 3760

Delta R.T. 0.024 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

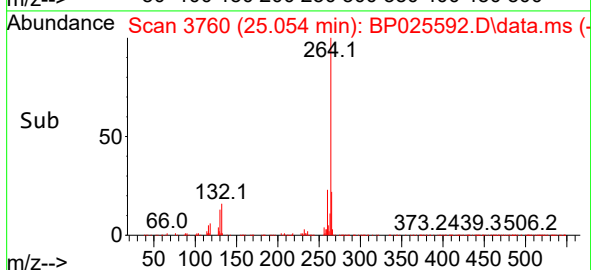
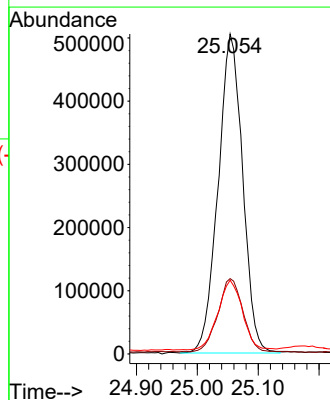
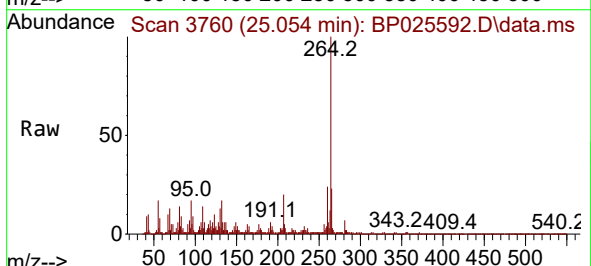
Tgt Ion:264 Resp: 1409406

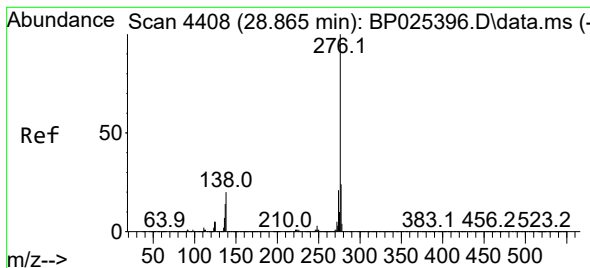
Ion Ratio Lower Upper

264 100

260 23.6 19.3 28.9

265 23.1 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.647 ng

RT: 28.895 min Scan# 4408

Delta R.T. 0.030 min

Lab File: BP025592.D

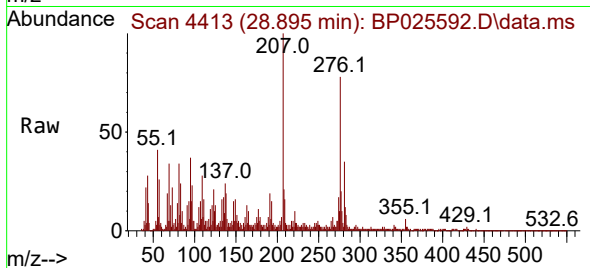
Acq: 26 Aug 2025 19:22

Instrument :

BNA_P

ClientSampleId :

235



Tgt Ion: 276 Resp: 376950

Ion Ratio Lower Upper

276 100

138 21.2 12.9 19.3

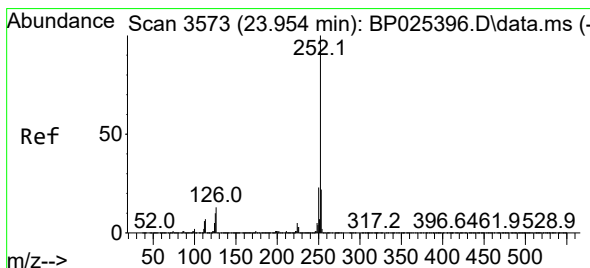
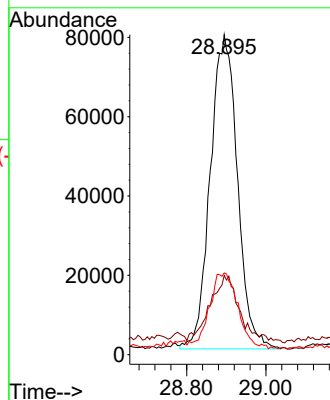
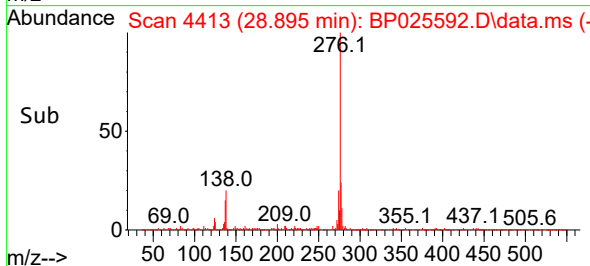
277 22.9 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/27/2025

Supervised By :Jagrut Upadhyay 08/27/2025



#88

Benzo(b)fluoranthene

Concen: 7.518 ng

RT: 23.983 min Scan# 3578

Delta R.T. 0.030 min

Lab File: BP025592.D

Acq: 26 Aug 2025 19:22

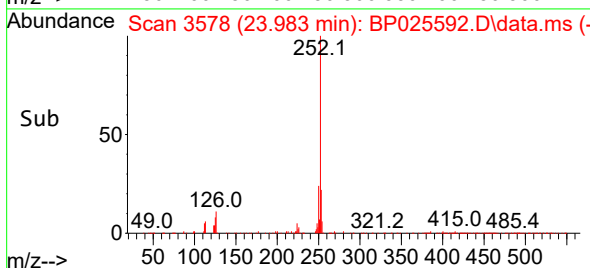
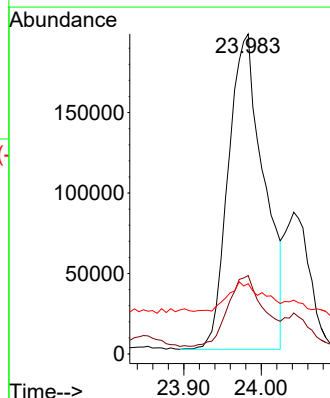
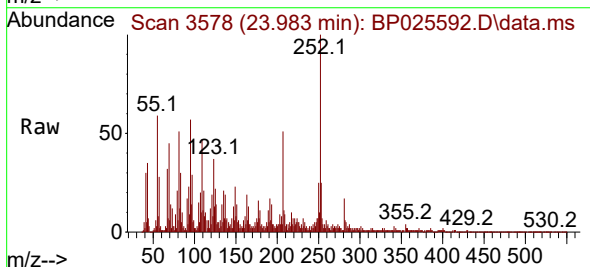
Tgt Ion: 252 Resp: 624802

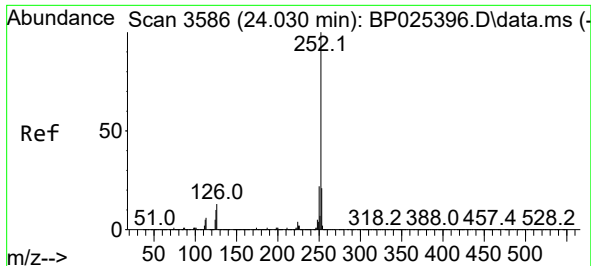
Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

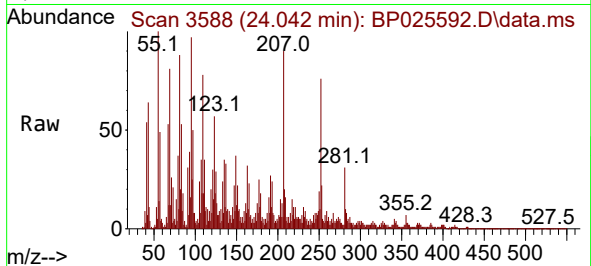
125 21.9 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 2.252 ng m
RT: 24.042 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22

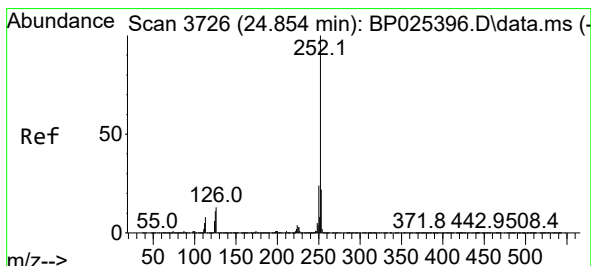
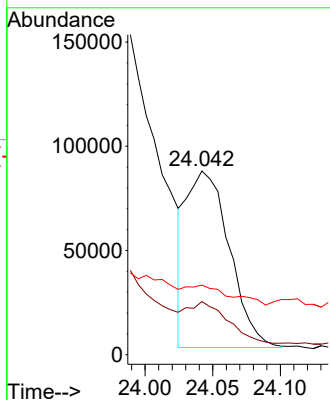
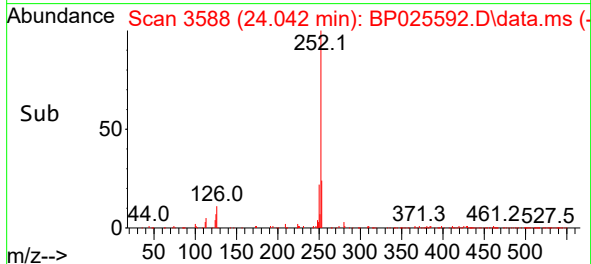
Instrument :
BNA_P
ClientSampleId :
235



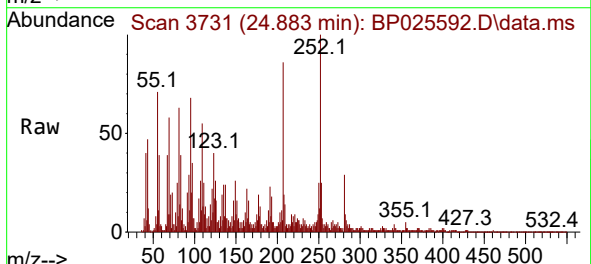
Tgt Ion:252 Resp: 187260
Ion Ratio Lower Upper
252 100
253 28.9 17.1 25.7
125 37.9 7.8 11.6

Manual Integrations
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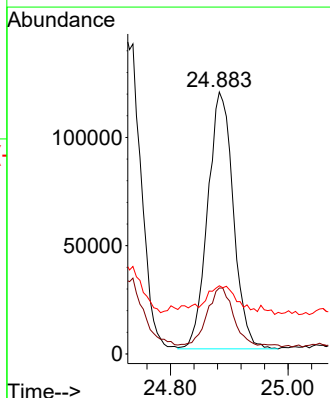
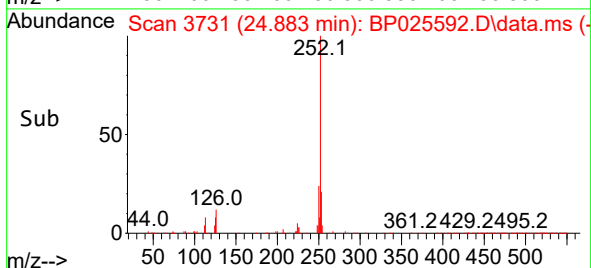
Reviewed By :Rahul Chavli 08/27/2025
Supervised By :Jagrut Upadhyay 08/27/2025

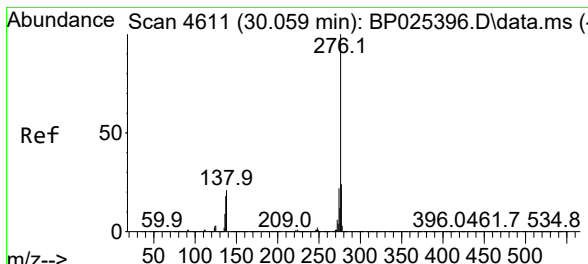


#90
Benzo(a)pyrene
Concen: 4.428 ng
RT: 24.883 min Scan# 3731
Delta R.T. 0.030 min
Lab File: BP025592.D
Acq: 26 Aug 2025 19:22



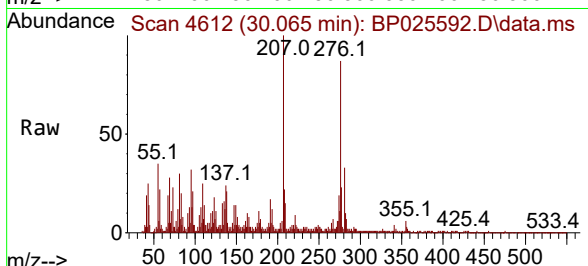
Tgt Ion:252 Resp: 358263
Ion Ratio Lower Upper
252 100
253 25.2 17.5 26.3
125 26.0 8.7 13.1





#92
 Benzo(g,h,i)perylene
 Concen: 5.489 ng
 RT: 30.065 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: BP025592.D
 Acq: 26 Aug 2025 19:22

Instrument : BNA_P
 ClientSampleId : 235



Tgt Ion: 276 Resp: 455709

Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.4	29.0
138	23.9	16.7	25.1

Manual Integrations
APPROVED
 Reviewed By :Rahul Chavli 08/27/2025
 Supervised By :Jagrut Upadhyay 08/27/2025

