

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
 Data File : BP025388.D
 Acq On : 13 Aug 2025 17:32
 Operator : CG/JU
 Sample : Q2820-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 518R-S

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/14/2025
 Supervised By :Jagrut Upadhyay 08/14/2025

Quant Time: Aug 13 17:51:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.796	152	213360	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	844787	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	533137	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1007182	20.000	ng	0.00
76) Chrysene-d12	21.677	240	1023641	20.000	ng	0.02
86) Perylene-d12	25.071	264	1164080	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.413	112	970703	73.174	ng	0.00
7) Phenol-d6	6.972	99	1182042	67.705	ng	0.00
23) Nitrobenzene-d5	8.937	82	745957	48.920	ng	0.00
42) 2,4,6-Tribromophenol	15.931	330	488562	91.858	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	1656974	42.928	ng	0.00
79) Terphenyl-d14	19.942	244	2052255	37.867	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	19.354	202	469275	7.349	ng	99
78) Pyrene	19.730	202	474929	6.977	ng	100
81) Benzo(a)anthracene	21.654	228	295104	4.338	ng	97
83) Chrysene	21.718	228	260541	4.130	ng	97
87) Indeno(1,2,3-cd)pyrene	28.930	276	207487	2.487	ng	# 89
88) Benzo(b)fluoranthene	23.989	252	388202	5.571	ng	96
89) Benzo(k)fluoranthene	24.060	252	143479m	2.077	ng	
90) Benzo(a)pyrene	24.901	252	284283	4.236	ng	98
92) Benzo(g,h,i)perylene	30.124	276	206251	3.075	ng	96

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

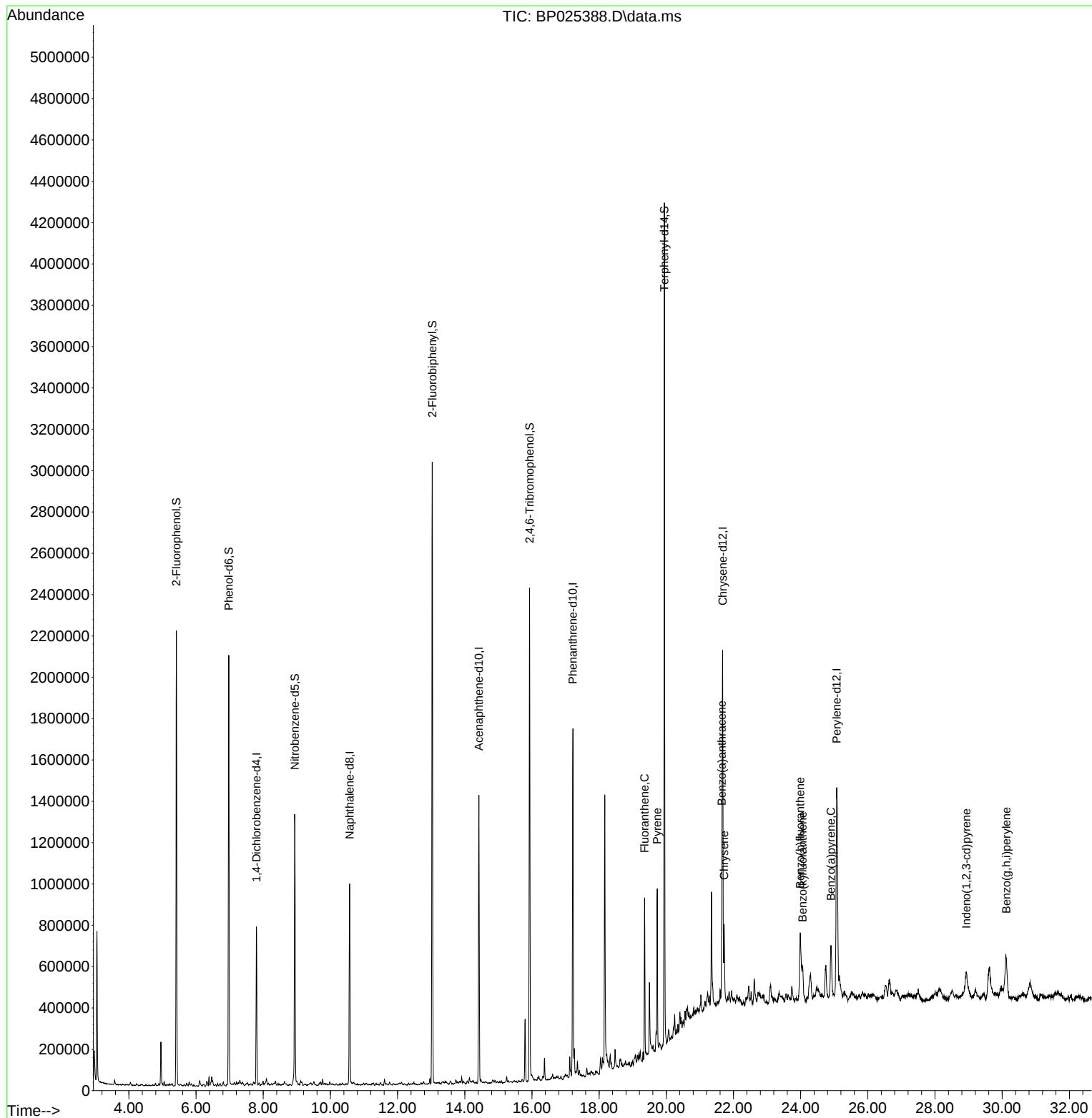
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081325\
Data File : BP025388.D
Acq On : 13 Aug 2025 17:32
Operator : CG/JU
Sample : Q2820-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

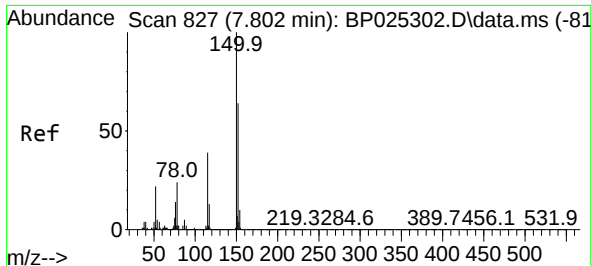
Instrument :
BNA_P
ClientSampleId :
518R-S

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

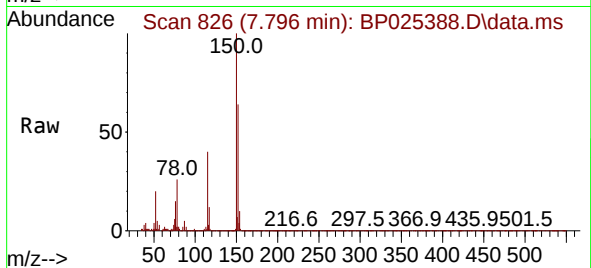
Quant Time: Aug 13 17:51:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.796 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

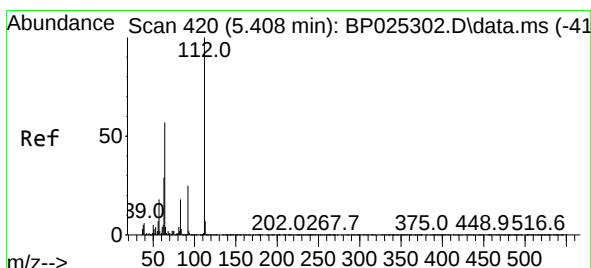
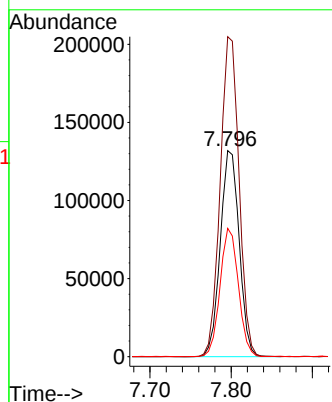
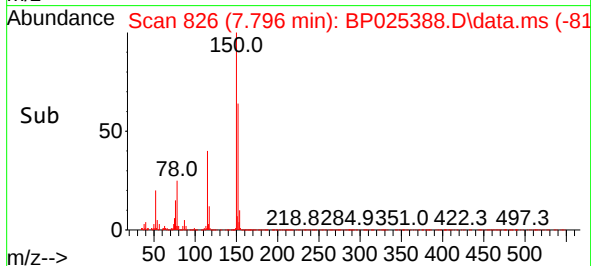
Instrument :
BNA_P
ClientSampleId :
518R-S



Tgt Ion:152 Resp: 213360
Ion Ratio Lower Upper
152 100
150 155.2 125.1 187.7
115 62.3 48.4 72.6

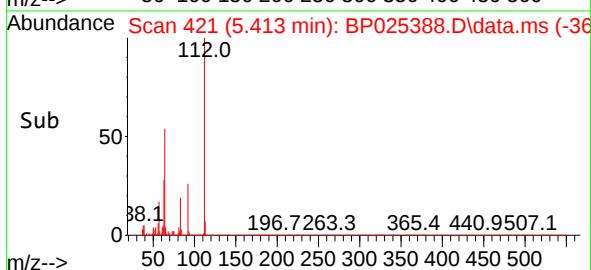
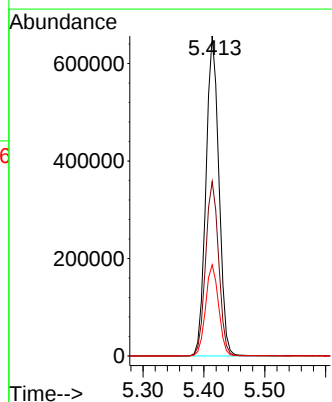
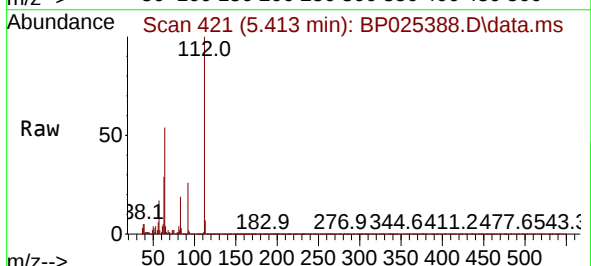
Manual Integrations
APPROVED

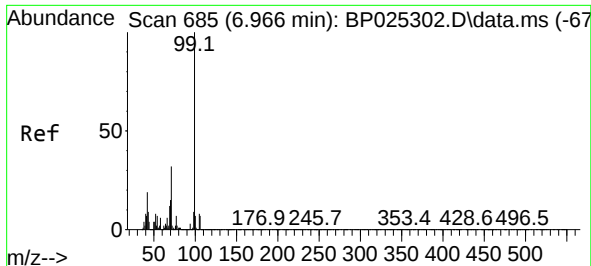
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#5
2-Fluorophenol
Concen: 73.174 ng
RT: 5.413 min Scan# 421
Delta R.T. 0.005 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

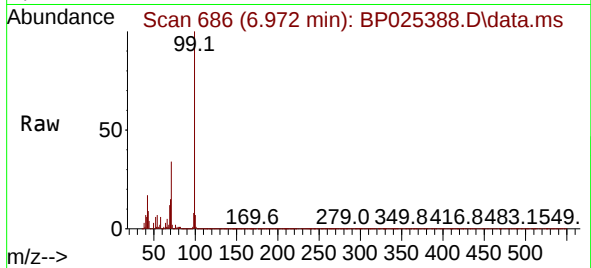
Tgt Ion:112 Resp: 970703
Ion Ratio Lower Upper
112 100
64 54.5 45.3 67.9
63 28.5 23.0 34.6





#7
Phenol-d6
Concen: 67.705 ng
RT: 6.972 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

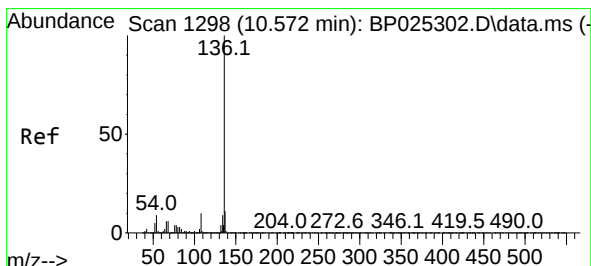
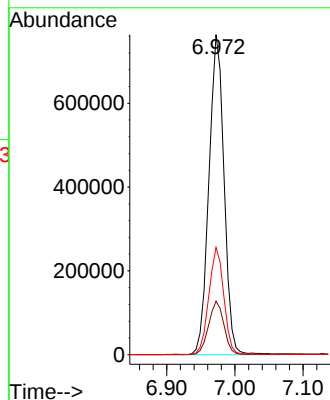
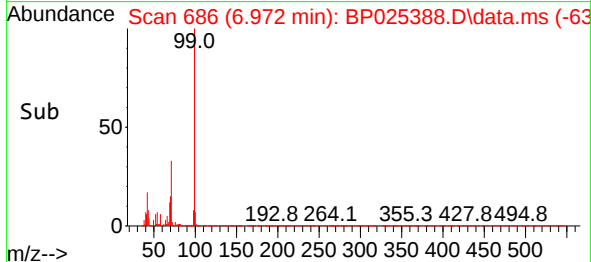
Instrument :
BNA_P
ClientSampleId :
518R-S



Tgt Ion: 99 Resp: 118204
Ion Ratio Lower Upper
99 100
42 16.7 15.0 22.6
71 33.5 25.5 38.3

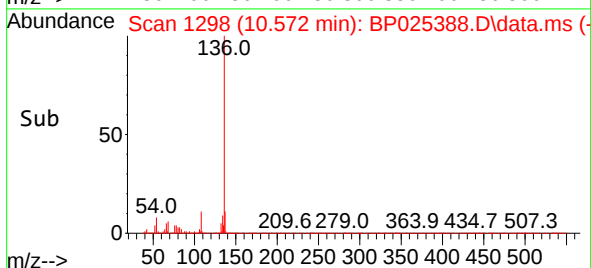
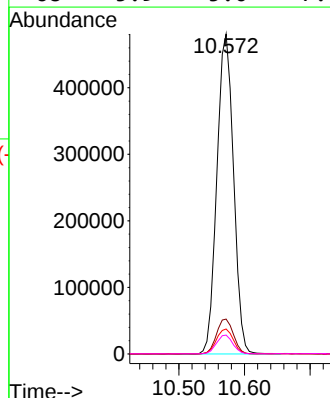
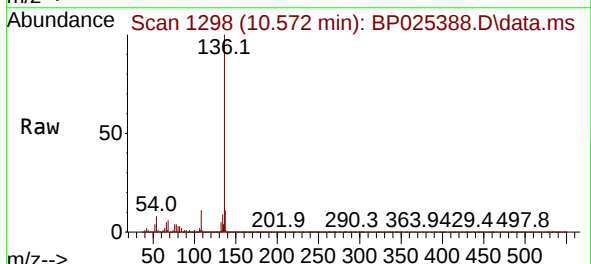
Manual Integrations
APPROVED

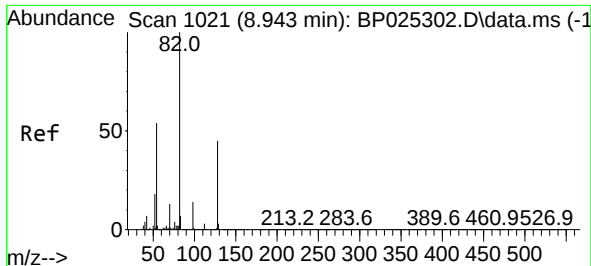
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

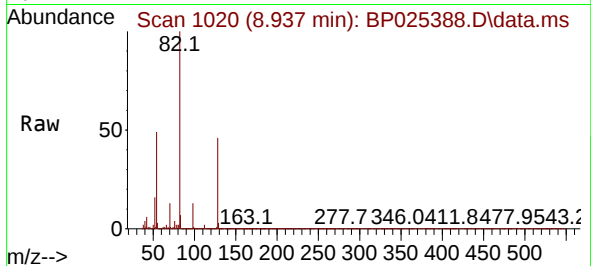
Tgt Ion:136 Resp: 844787
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 7.0 10.6
68 5.9 5.0 7.6





#23
Nitrobenzene-d5
Concen: 48.920 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

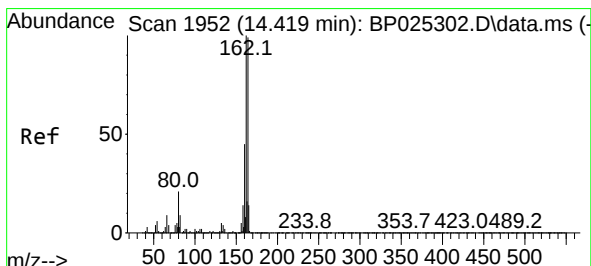
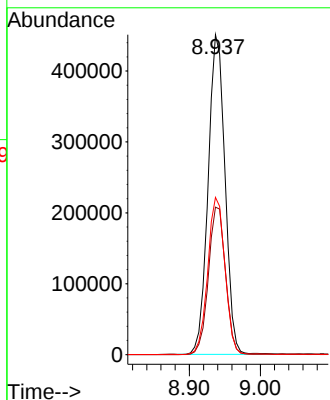
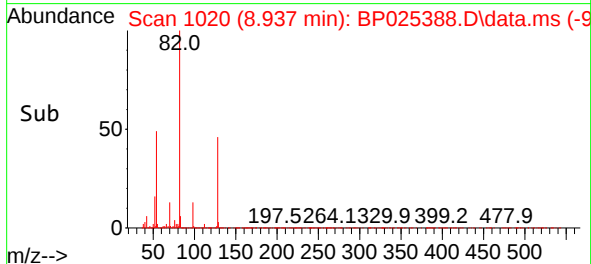
Instrument :
BNA_P
ClientSampleId :
518R-S



Tgt Ion: 82 Resp: 74595
Ion Ratio Lower Upper
82 100
128 46.1 35.4 53.2
54 49.1 42.9 64.3

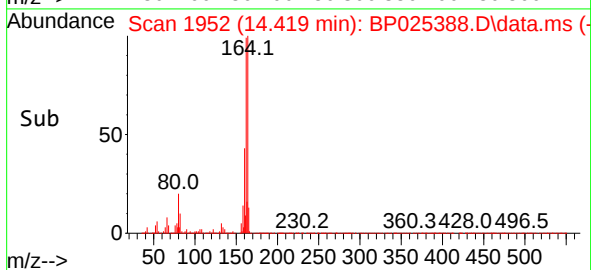
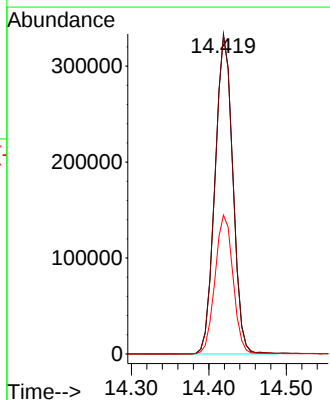
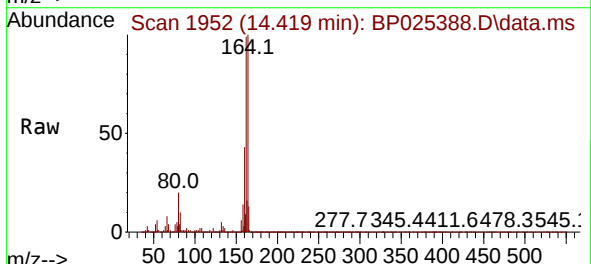
Manual Integrations
APPROVED

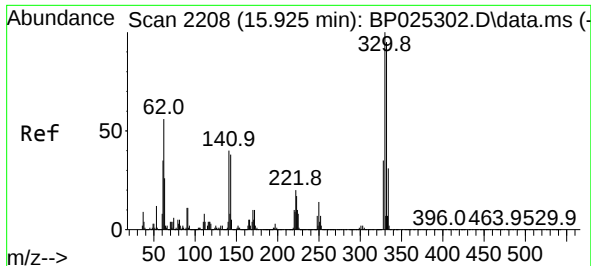
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

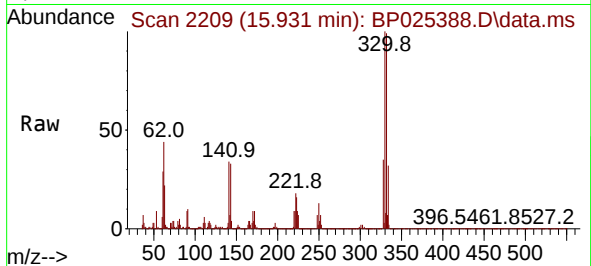
Tgt Ion:164 Resp: 533137
Ion Ratio Lower Upper
164 100
162 99.2 80.6 120.8
160 43.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 91.858 ng
RT: 15.931 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

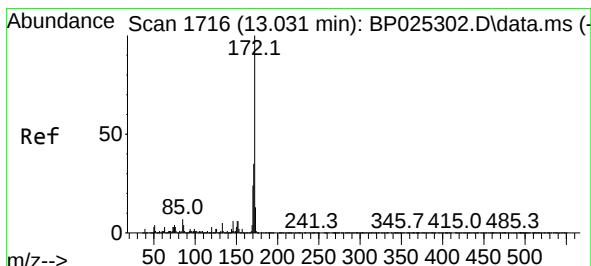
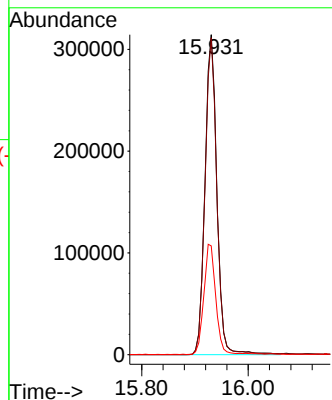
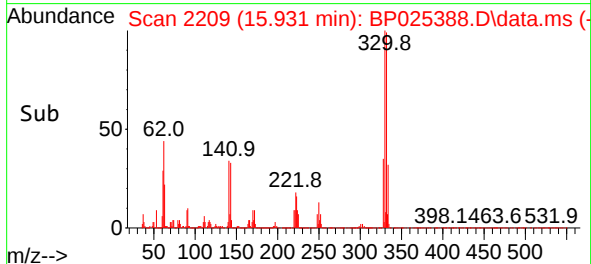
Instrument :
BNA_P
ClientSampleId :
518R-S



Tgt Ion: 330 Resp: 488562
Ion Ratio Lower Upper
330 100
332 97.9 77.4 116.0
141 34.6 31.7 47.5

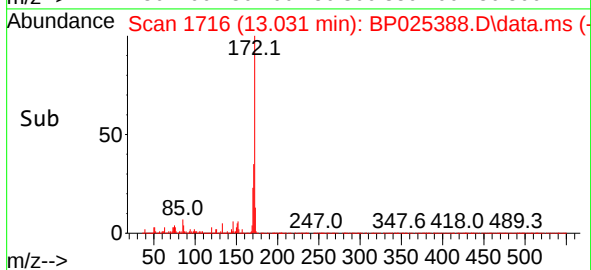
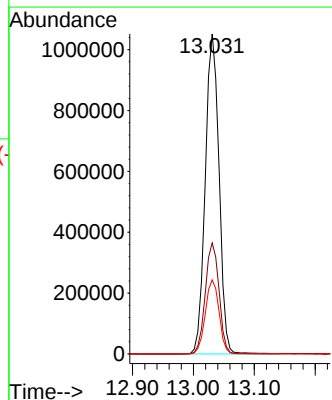
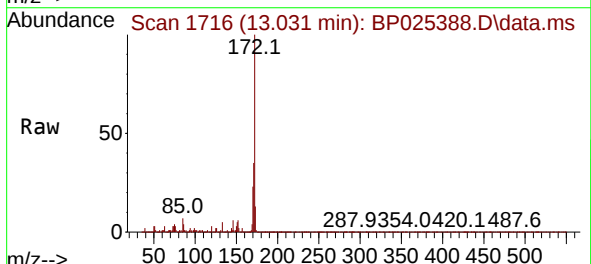
Manual Integrations
APPROVED

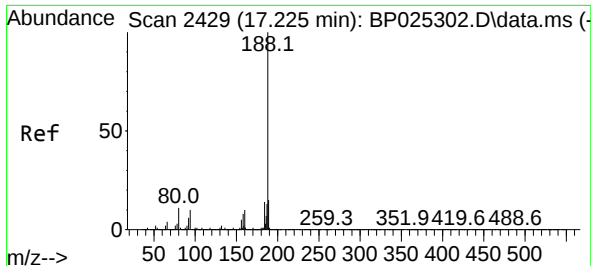
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#45
2-Fluorobiphenyl
Concen: 42.928 ng
RT: 13.031 min Scan# 1716
Delta R.T. -0.000 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion: 172 Resp: 1656974
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 23.1 18.9 28.3





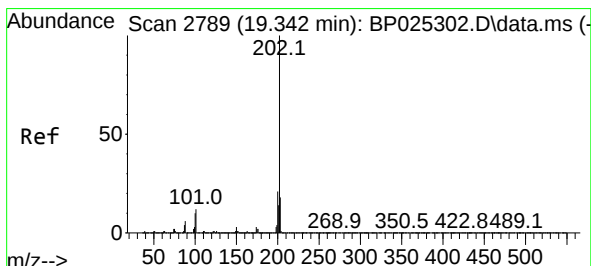
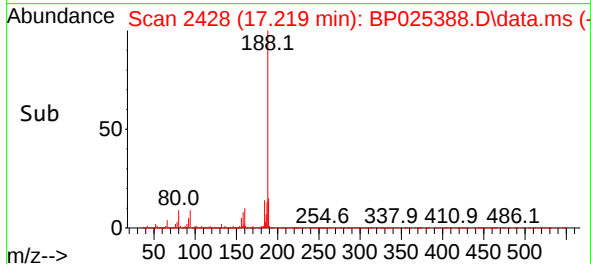
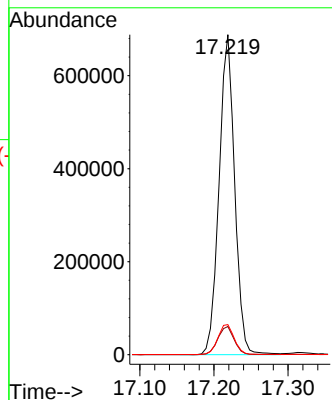
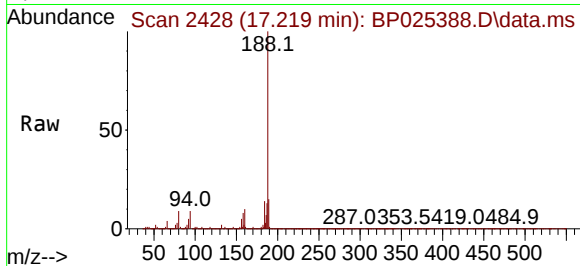
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S

Tgt Ion:188 Resp: 100718
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.4 8.5 12.7

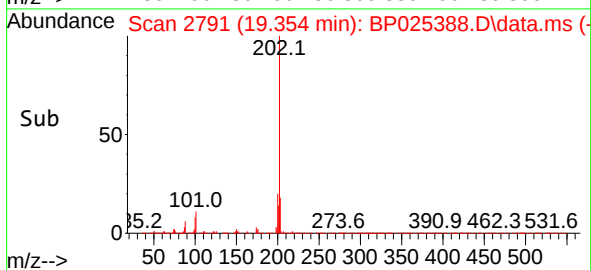
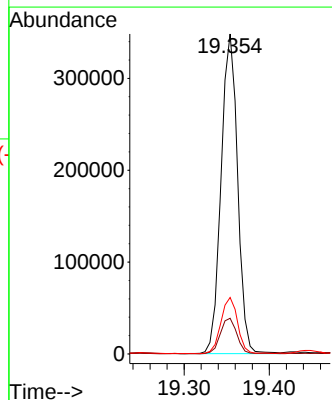
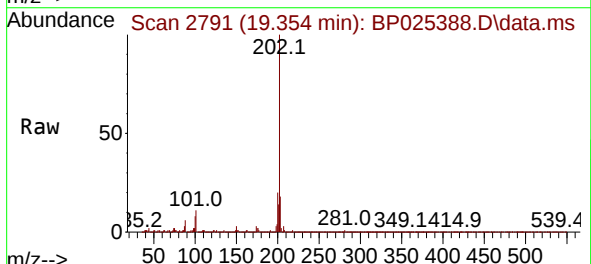
Manual Integrations
APPROVED

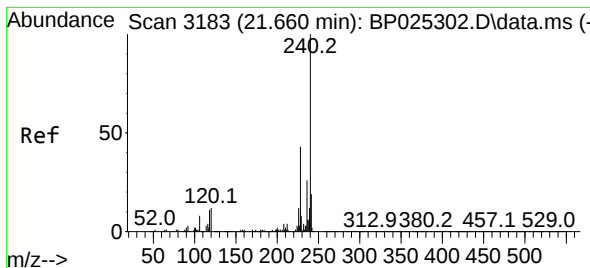
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#75
Fluoranthene
Concen: 7.349 ng
RT: 19.354 min Scan# 2791
Delta R.T. 0.012 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Tgt Ion:202 Resp: 469275
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.5
203 17.7 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.677 min Scan# 3186

Delta R.T. 0.017 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S

Tgt Ion:240 Resp: 102364

Ion Ratio Lower Upper

240 100

120 11.6 9.6 14.4

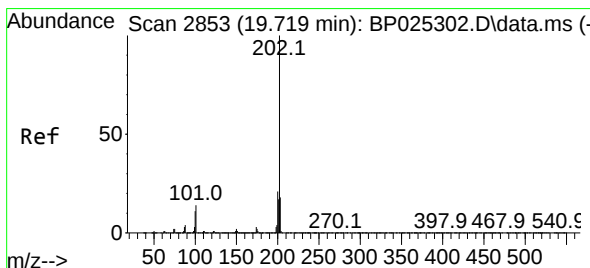
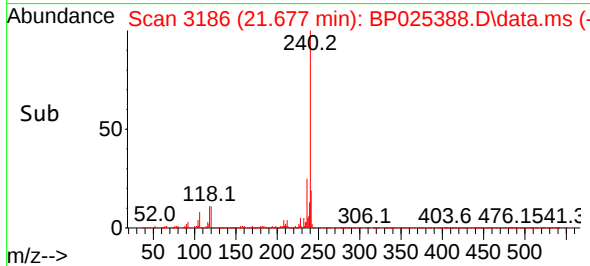
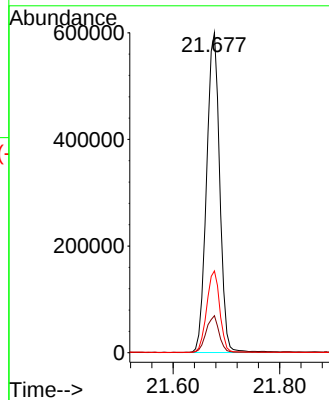
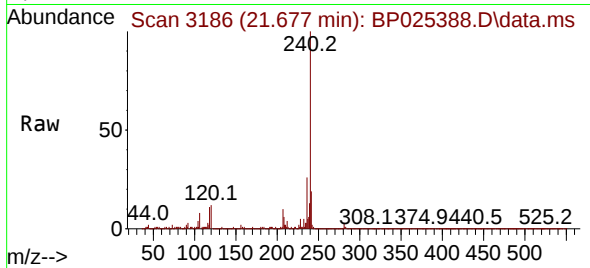
236 25.5 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/14/2025

Supervised By :Jagrut Upadhyay 08/14/2025



#78

Pyrene

Concen: 6.977 ng

RT: 19.730 min Scan# 2855

Delta R.T. 0.011 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

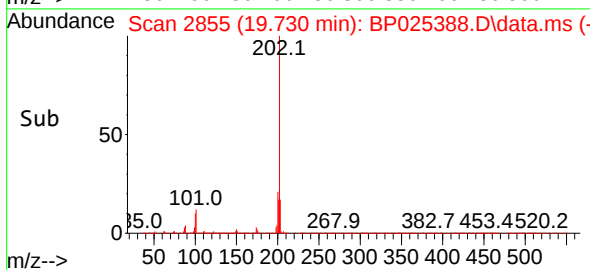
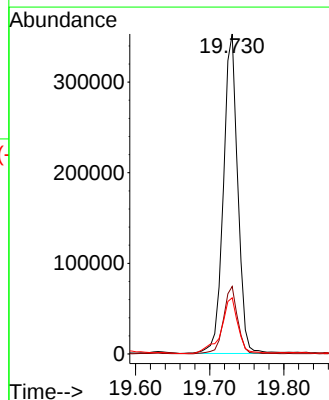
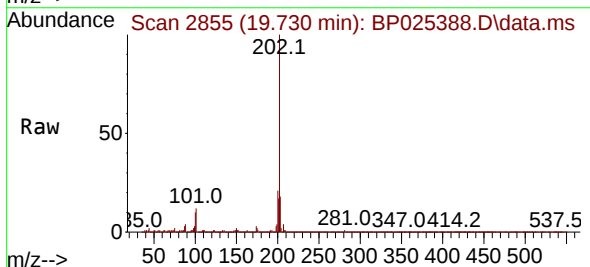
Tgt Ion:202 Resp: 474929

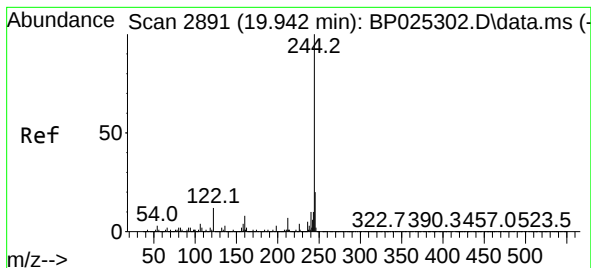
Ion Ratio Lower Upper

202 100

200 21.1 16.7 25.1

203 17.6 14.1 21.1





#79

Terphenyl-d14

Concen: 37.867 ng

RT: 19.942 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S

Tgt Ion:244 Resp: 205225

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

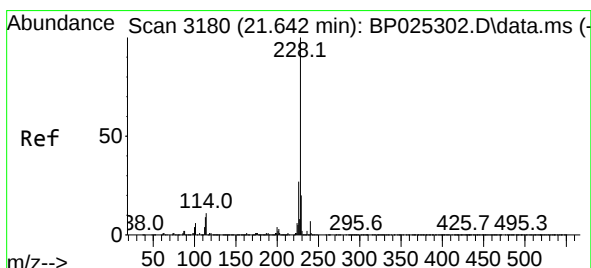
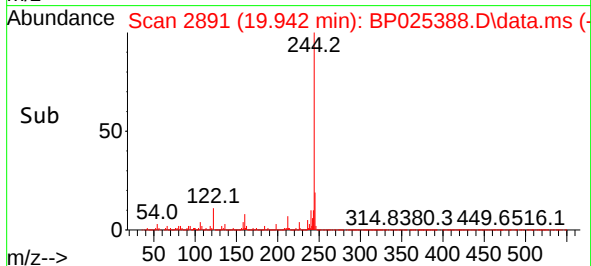
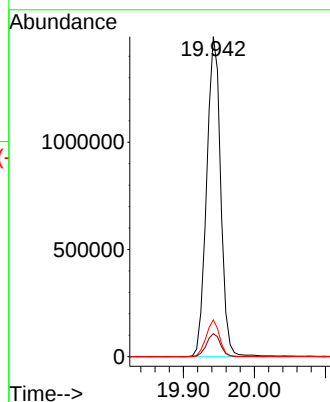
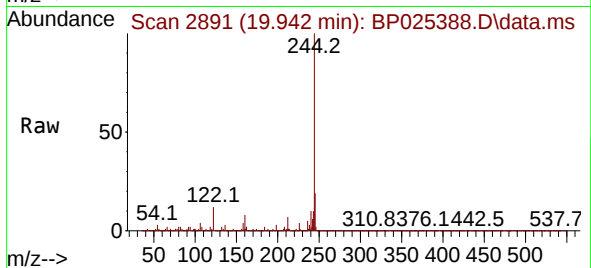
122 11.5 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/14/2025

Supervised By :Jagrut Upadhyay 08/14/2025



#81

Benzo(a)anthracene

Concen: 4.338 ng

RT: 21.654 min Scan# 3182

Delta R.T. 0.012 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

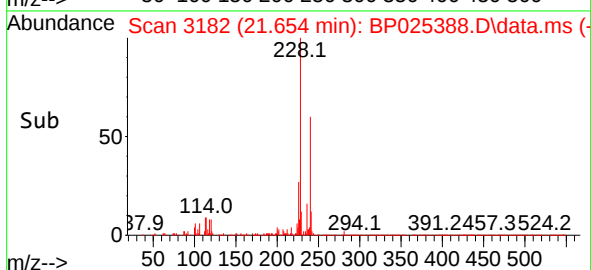
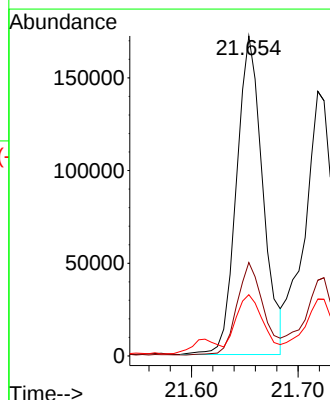
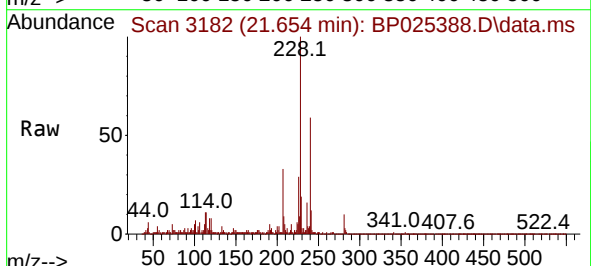
Tgt Ion:228 Resp: 295104

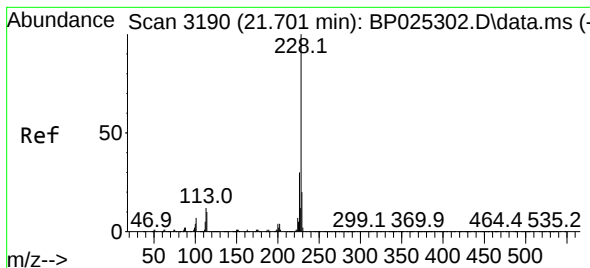
Ion Ratio Lower Upper

228 100

226 29.2 21.8 32.8

229 19.1 16.0 24.0





#83

Chrysene

Concen: 4.130 ng

RT: 21.718 min Scan# 31

Delta R.T. 0.017 min

Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Instrument :

BNA_P

ClientSampleId :

518R-S

Tgt Ion:228 Resp: 26054

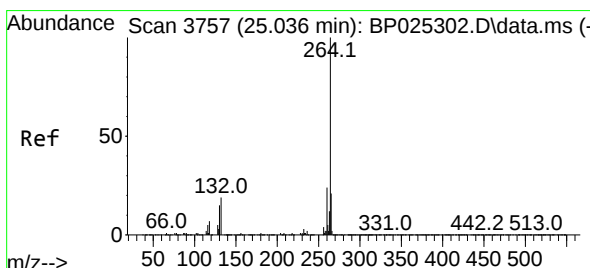
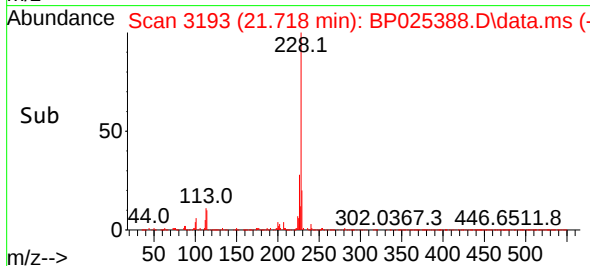
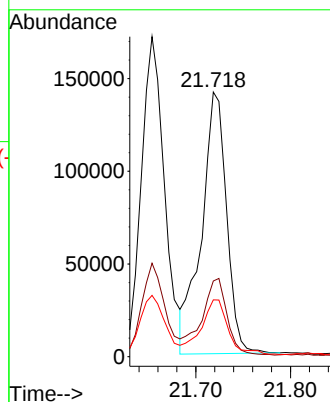
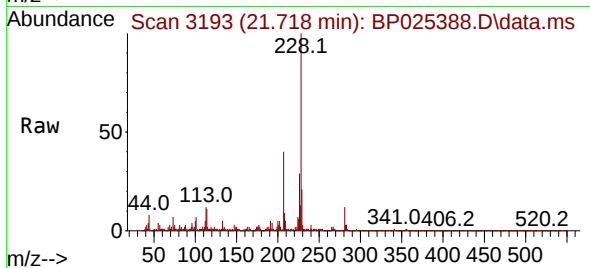
Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.3	36.5
229	21.4	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/14/2025

Supervised By :Jagrut Upadhyay 08/14/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.071 min Scan# 3763

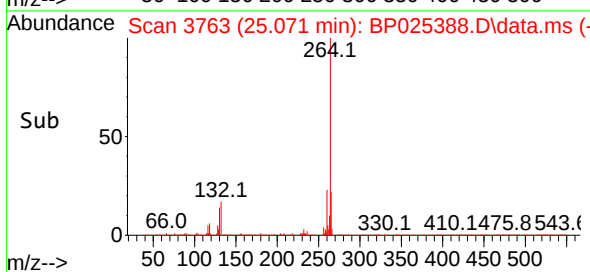
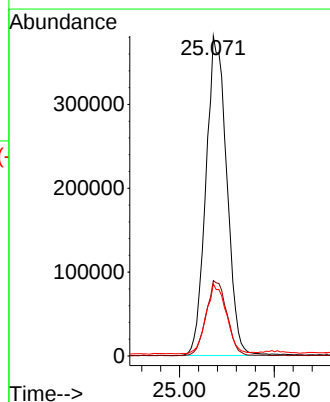
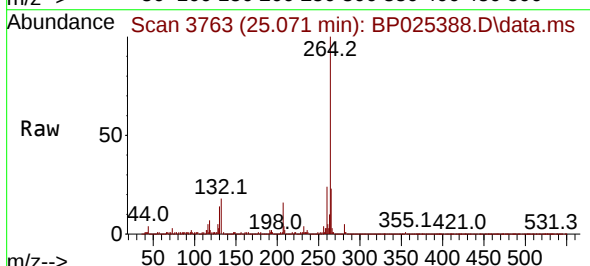
Delta R.T. 0.035 min

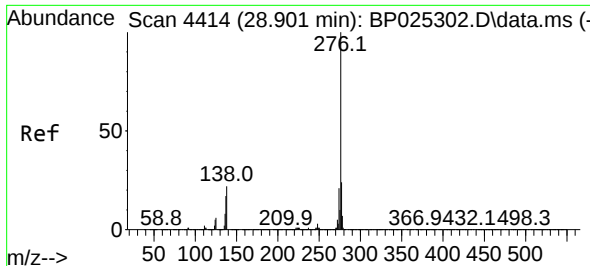
Lab File: BP025388.D

Acq: 13 Aug 2025 17:32

Tgt Ion:264 Resp: 1164080

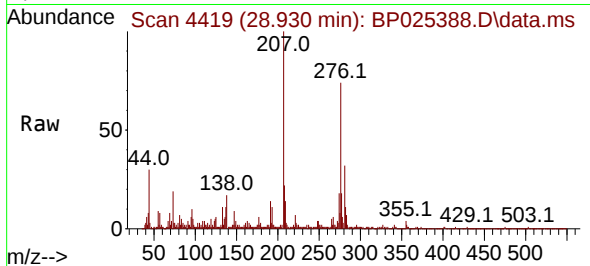
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.6	17.1	25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.487 ng
RT: 28.930 min Scan# 4414
Delta R.T. 0.029 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

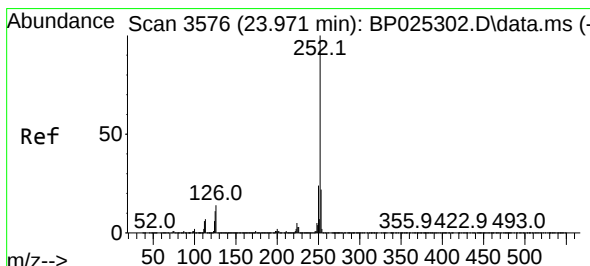
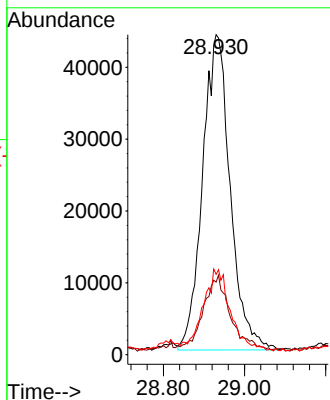
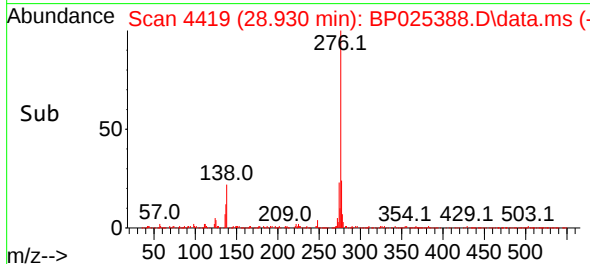
Instrument :
BNA_P
ClientSampleId :
518R-S



Tgt Ion: 276 Resp: 20748
Ion Ratio Lower Upper
276 100
138 23.2 14.6 22.0
277 25.9 16.8 25.2

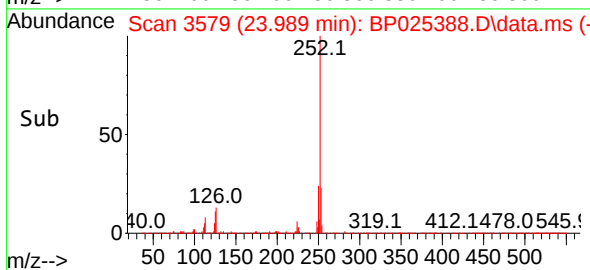
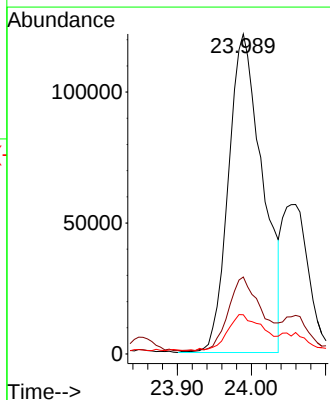
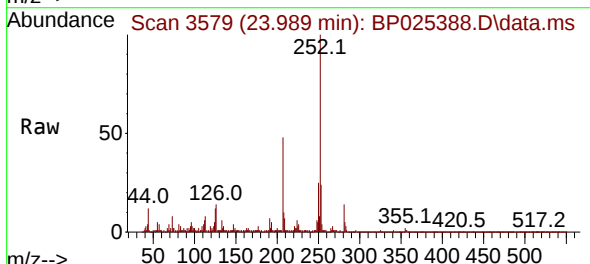
Manual Integrations
APPROVED

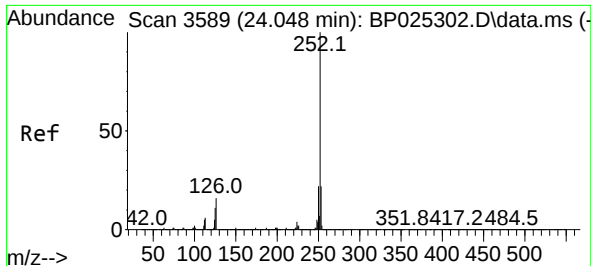
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#88
Benzo(b)fluoranthene
Concen: 5.571 ng
RT: 23.989 min Scan# 3579
Delta R.T. 0.018 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

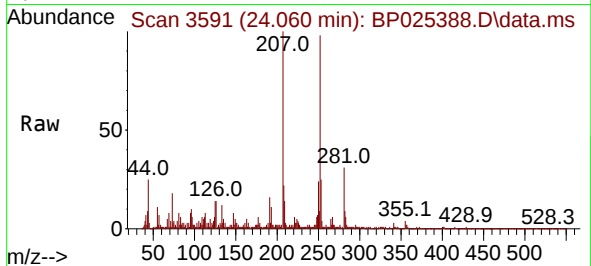
Tgt Ion: 252 Resp: 388202
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 12.3 8.5 12.7





#89
Benzo(k)fluoranthene
Concen: 2.077 ng m
RT: 24.060 min Scan# 3589
Delta R.T. 0.012 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

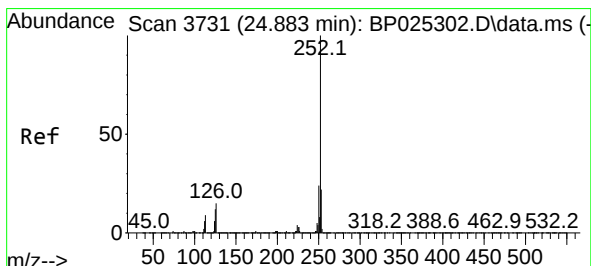
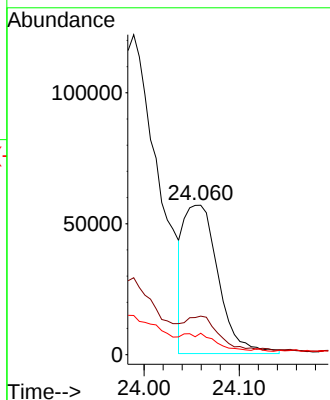
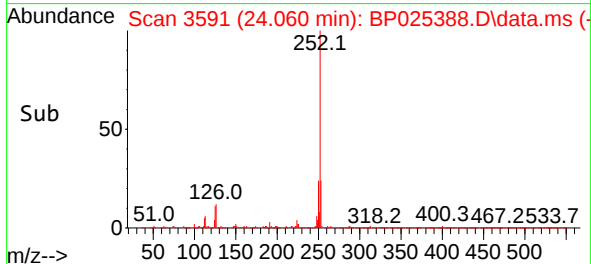
Instrument :
BNA_P
ClientSampleId :
518R-S



Tgt Ion:252 Resp: 143479
Ion Ratio Lower Upper
252 100
253 25.8 17.6 26.4
125 14.3 8.5 12.7

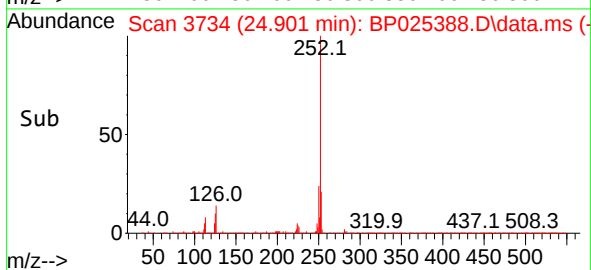
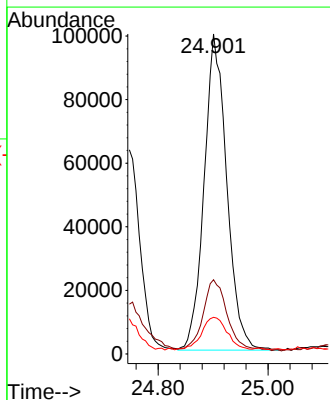
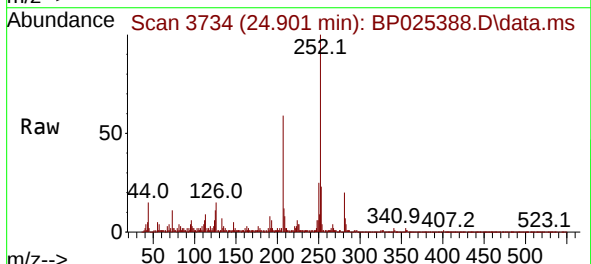
Manual Integrations
APPROVED

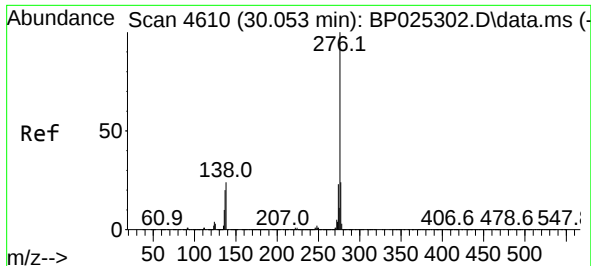
Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025



#90
Benzo(a)pyrene
Concen: 4.236 ng
RT: 24.901 min Scan# 3734
Delta R.T. 0.018 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

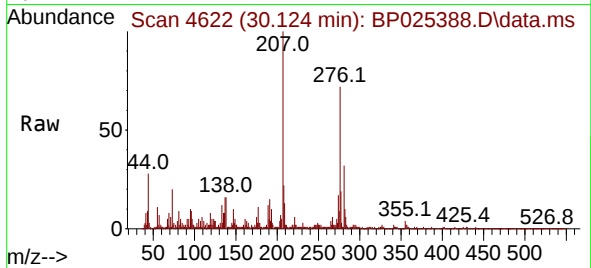
Tgt Ion:252 Resp: 284283
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 11.5 9.4 14.0





#92
Benzo(g,h,i)perylene
Concen: 3.075 ng
RT: 30.124 min Scan# 4610
Delta R.T. 0.071 min
Lab File: BP025388.D
Acq: 13 Aug 2025 17:32

Instrument :
BNA_P
ClientSampleId :
518R-S



Tgt Ion: 276 Resp: 20625
Ion Ratio Lower Upper
276 100
277 26.2 19.3 28.9
138 22.2 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/14/2025
Supervised By :Jagrut Upadhyay 08/14/2025

