

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
 Data File : BP025576.D
 Acq On : 25 Aug 2025 22:37
 Operator : CG/JU
 Sample : Q2932-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ARS20-0002-SOIL

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/26/2025
 Supervised By :Jagrut Upadhyay 08/26/2025

Quant Time: Aug 26 02:23:19 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	245037	20.000	ng	-0.02
21) Naphthalene-d8	10.548	136	949004	20.000	ng	-0.01
39) Acenaphthene-d10	14.419	164	467102	20.000	ng	0.01
64) Phenanthrene-d10	17.260	188	482228	20.000	ng	# 0.06
76) Chrysene-d12	21.677	240	997485	20.000	ng	# 0.03
86) Perylene-d12	25.018	264	1271728	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.407	112	996895	67.563	ng	0.00
7) Phenol-d6	6.972	99	1261794	66.701	ng	0.00
23) Nitrobenzene-d5	8.925	82	846295	45.111	ng	-0.01
42) 2,4,6-Tribromophenol	15.942	330	322406	51.279	ng	0.03
45) 2-Fluorobiphenyl	13.013	172	1765158	51.646	ng	0.00
79) Terphenyl-d14	19.971	244	1957675	35.907	ng	0.05
Target Compounds						Qvalue
81) Benzo(a)anthracene	21.659	228	301922	4.590	ng	# 76
83) Chrysene	21.730	228	372215	6.042	ng	# 82
84) Bis(2-ethylhexyl)phtha...	21.571	149	2111763	48.823	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.841	276	298452	3.200	ng	# 92
88) Benzo(b)fluoranthene	23.953	252	620334	8.272	ng	# 85
89) Benzo(k)fluoranthene	24.012	252	195661m	2.607	ng	
90) Benzo(a)pyrene	24.853	252	263443	3.609	ng	# 80
92) Benzo(g,h,i)perylene	30.035	276	286238	3.821	ng	99

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

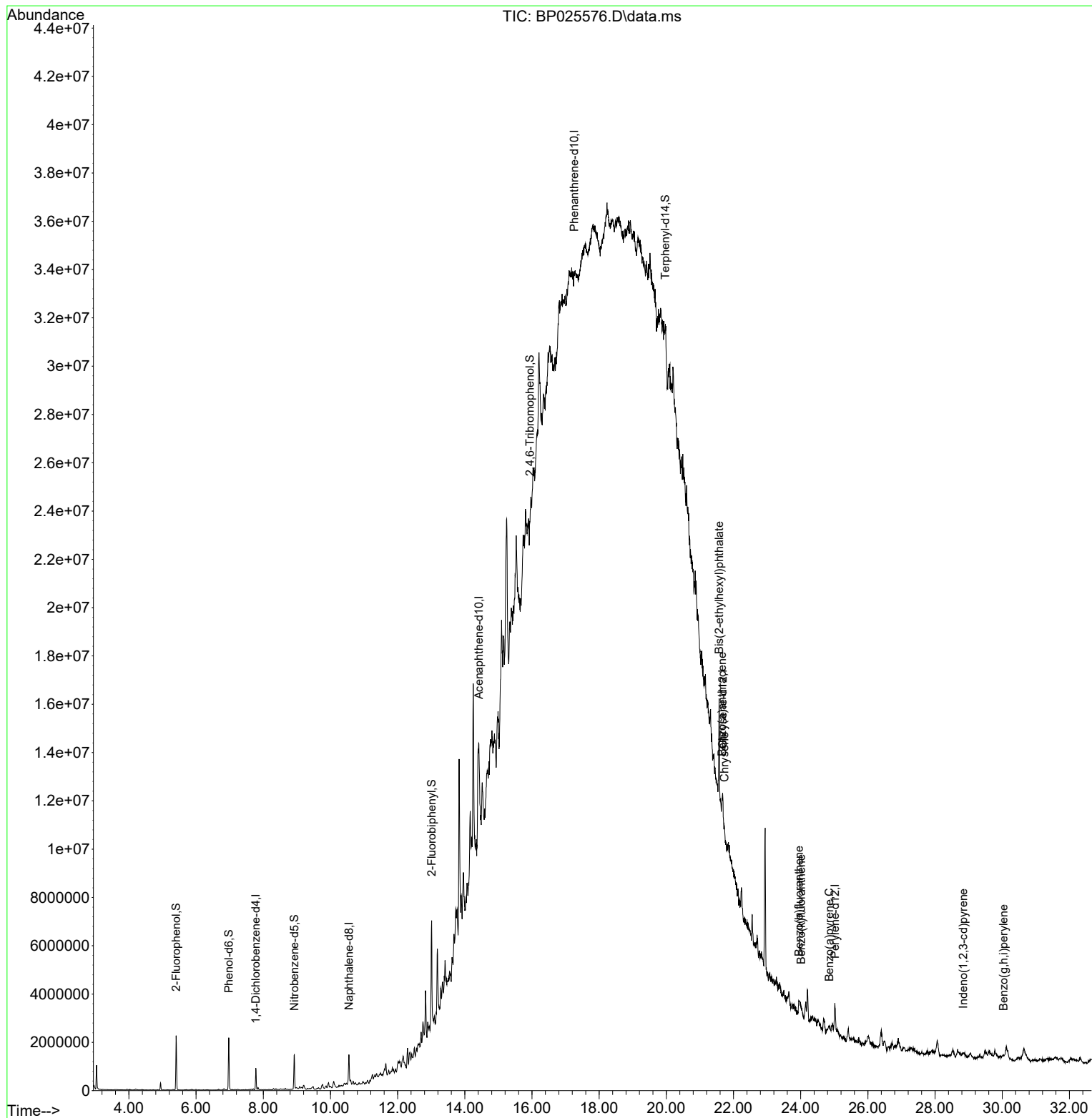
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082525\
Data File : BP025576.D
Acq On : 25 Aug 2025 22:37
Operator : CG/JU
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Misc :
ALS Vial : 17 Sample Multiplier: 1

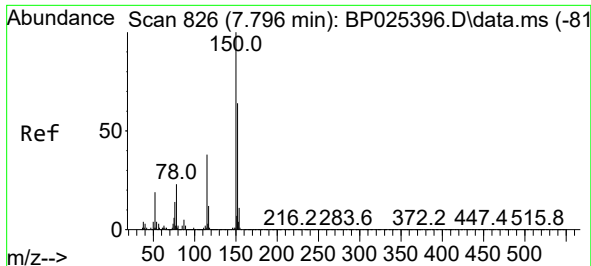
Instrument :
BNA_P
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ARS20-0002-SOIL

Quant Time: Aug 26 02:23:19 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
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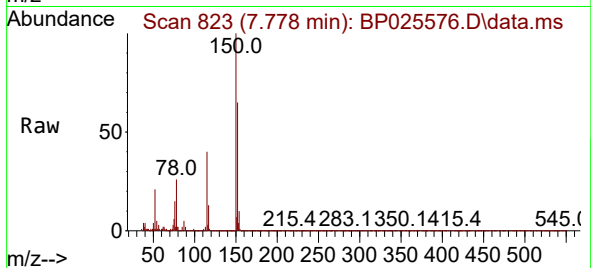
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.778 min Scan# 81
Delta R.T. -0.018 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37

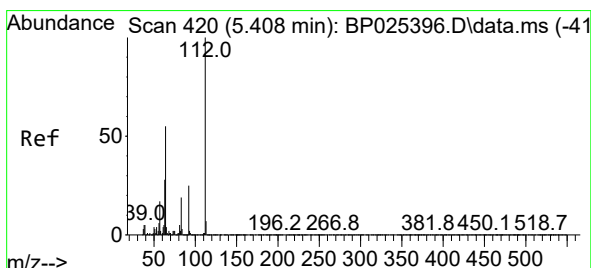
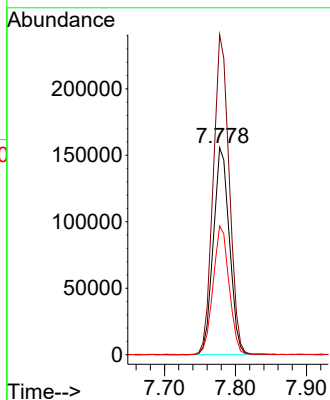
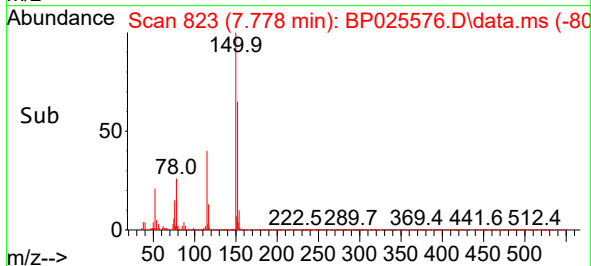
Instrument :
BNA_P
ClientSampleId :
ARS20-0002-SOIL



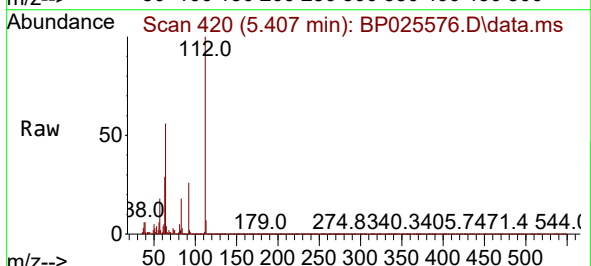
Tgt Ion:152 Resp: 24503
Ion Ratio Lower Upper
152 100
150 154.6 125.9 188.9
115 62.1 48.5 72.7

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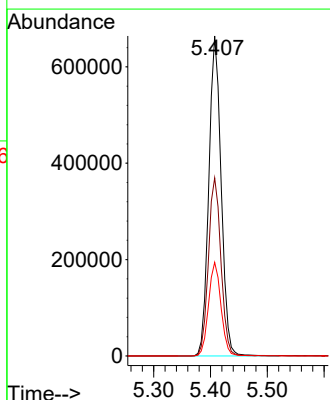
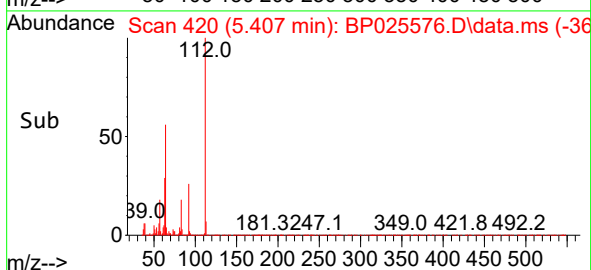
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025

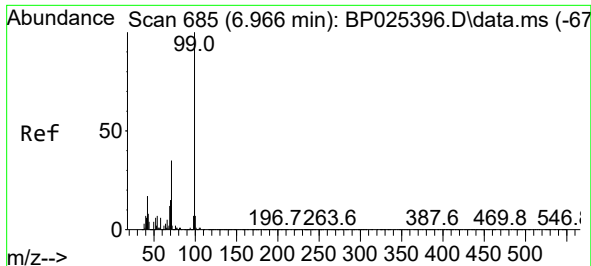


#5
2-Fluorophenol
Concen: 67.563 ng
RT: 5.407 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37



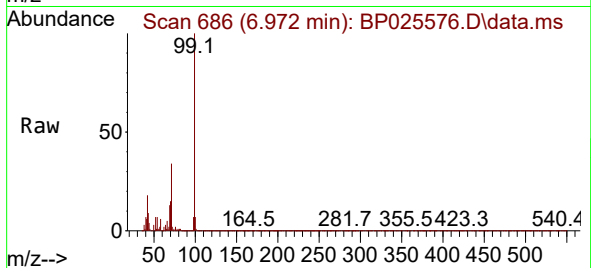
Tgt Ion:112 Resp: 996895
Ion Ratio Lower Upper
112 100
64 55.6 43.8 65.8
63 29.3 22.7 34.1





#7
Phenol-d6
Concen: 66.701 ng
RT: 6.972 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37

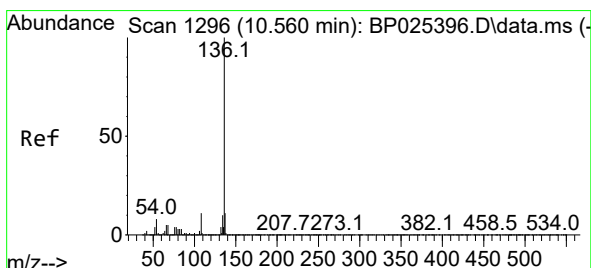
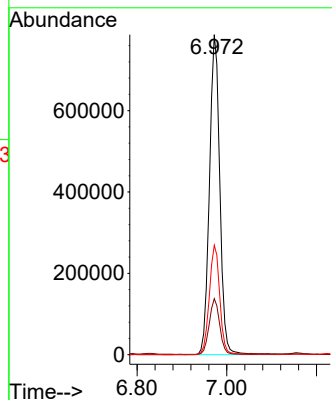
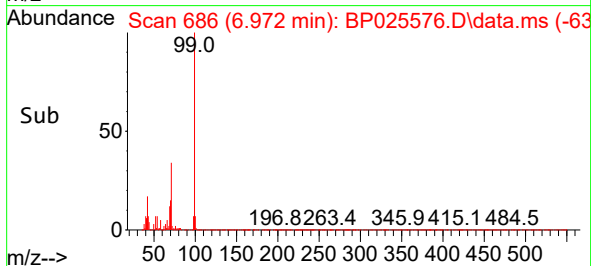
Instrument :
BNA_P
ClientSampleId :
ARS20-0002-SOIL



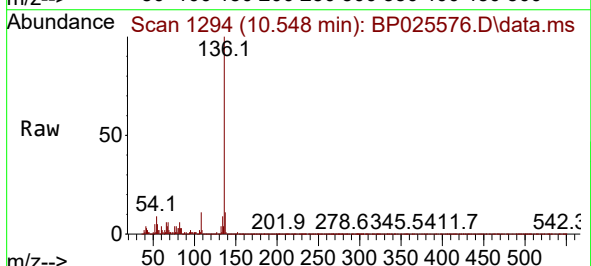
Tgt Ion: 99 Resp: 1261794
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 34.2 28.2 42.4

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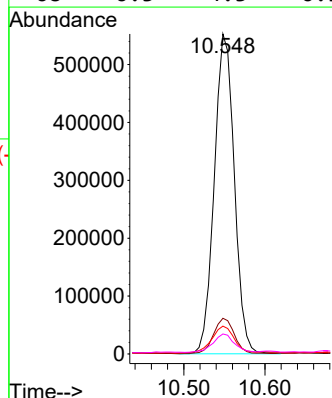
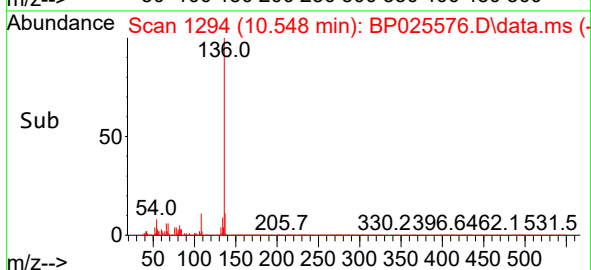
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.548 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37



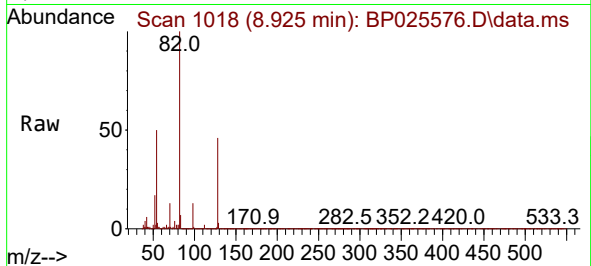
Tgt Ion:136 Resp: 949004
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 8.7 6.0 9.0
68 6.3 4.3 6.5





#23
Nitrobenzene-d5
Concen: 45.111 ng
RT: 8.925 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37

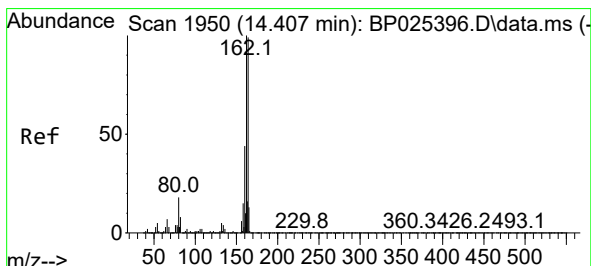
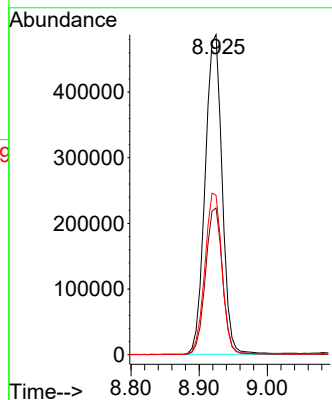
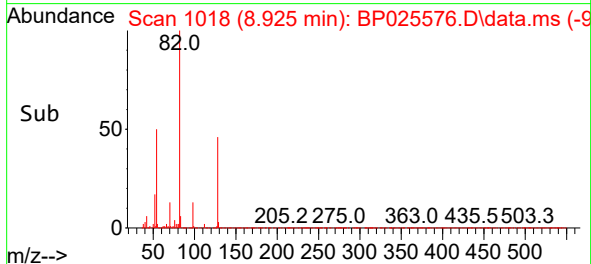
Instrument :
BNA_P
ClientSampleId :
ARS20-0002-SOIL



Tgt Ion: 82 Resp: 846295
Ion Ratio Lower Upper
82 100
128 45.9 37.7 56.5
54 49.8 39.8 59.6

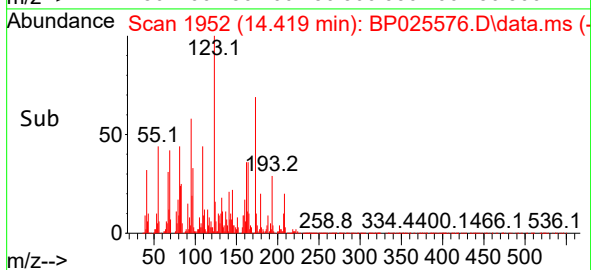
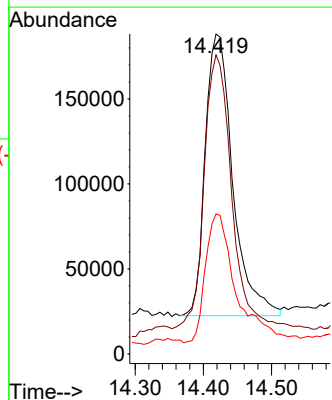
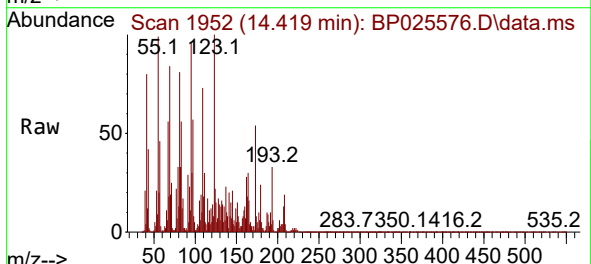
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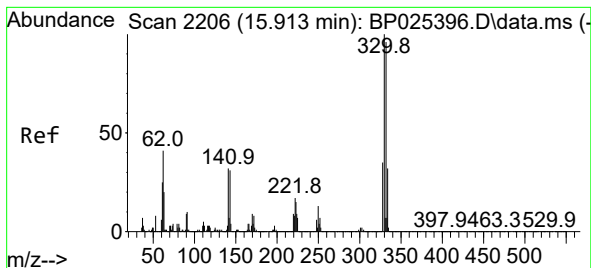
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.011 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37

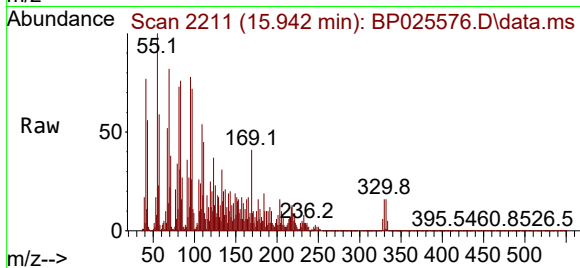
Tgt Ion:164 Resp: 467102
Ion Ratio Lower Upper
164 100
162 93.5 81.0 121.6
160 43.8 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 51.279 ng
RT: 15.942 min Scan# 21
Delta R.T. 0.029 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37

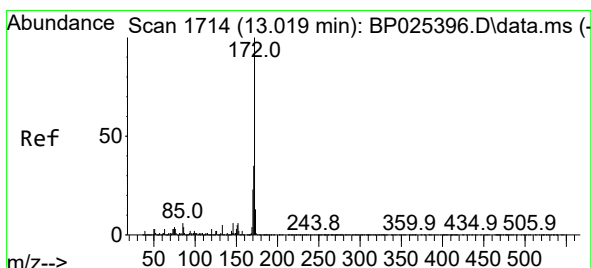
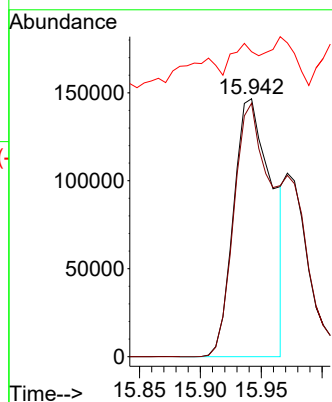
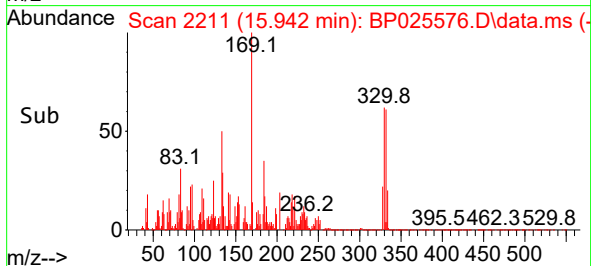
Instrument :
BNA_P
ClientSampleId :
ARS20-0002-SOIL



Tgt Ion:330 Resp: 322400
Ion Ratio Lower Upper
330 100
332 86.5 77.3 115.9
141 7.4 26.6 39.8

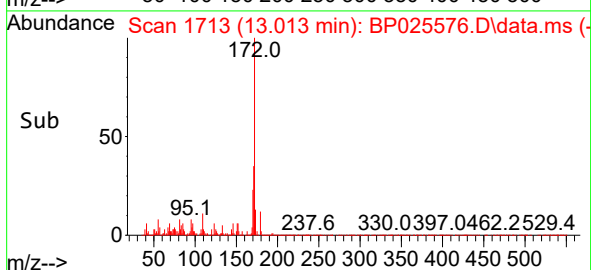
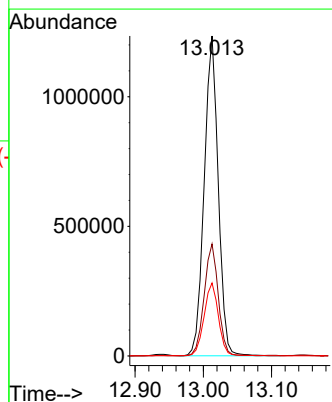
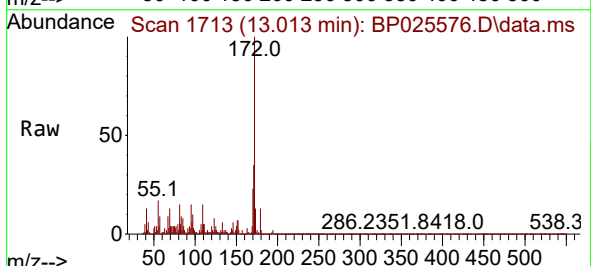
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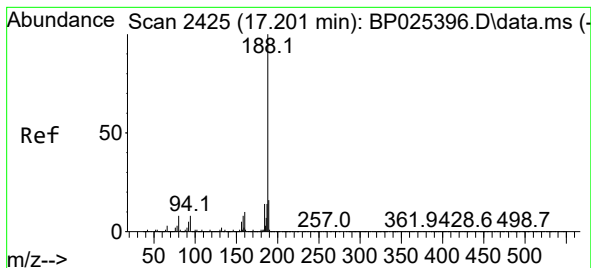
Reviewed By :Rahul Chavli 08/26/2025
Supervised By :Jagrut Upadhyay 08/26/2025



#45
2-Fluorobiphenyl
Concen: 51.646 ng
RT: 13.013 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP025576.D
Acq: 25 Aug 2025 22:37

Tgt Ion:172 Resp: 1765158
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.8 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.260 min Scan# 24

Delta R.T. 0.059 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Instrument :

BNA_P

ClientSampleId :

ARS20-0002-SOIL

Tgt Ion:188 Resp: 482228

Ion Ratio Lower Upper

188 100

94 67.9 6.6 10.0

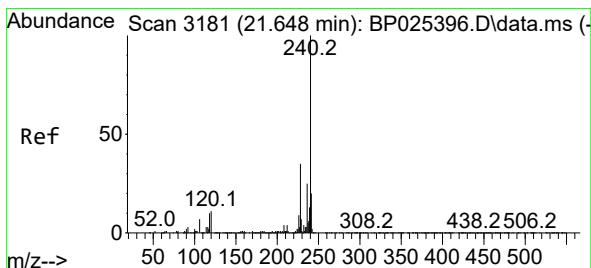
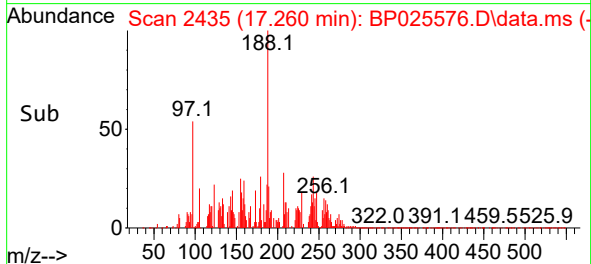
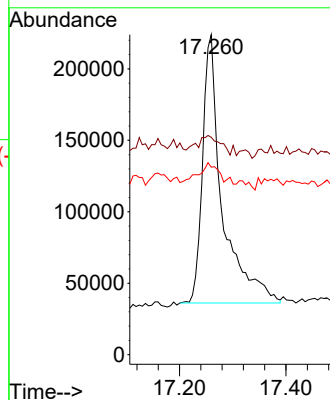
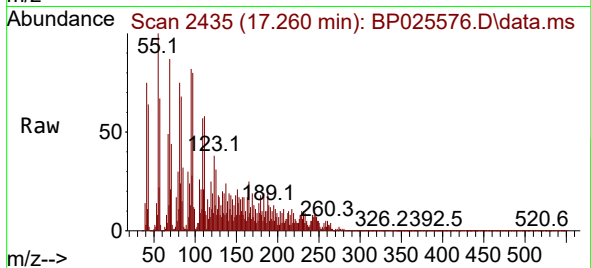
80 58.6 6.7 10.1

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.677 min Scan# 3186

Delta R.T. 0.029 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

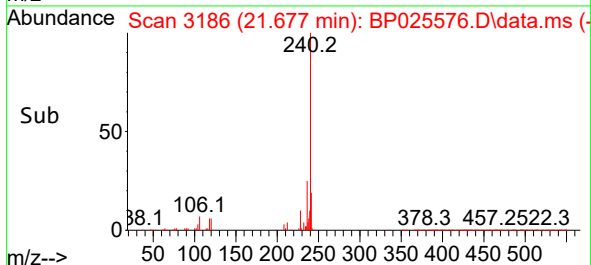
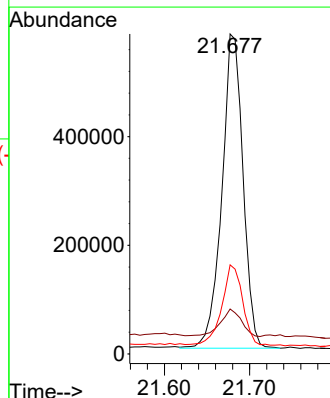
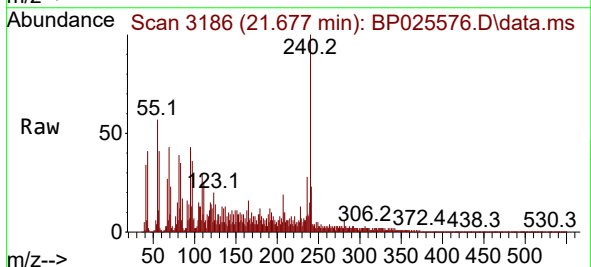
Tgt Ion:240 Resp: 997485

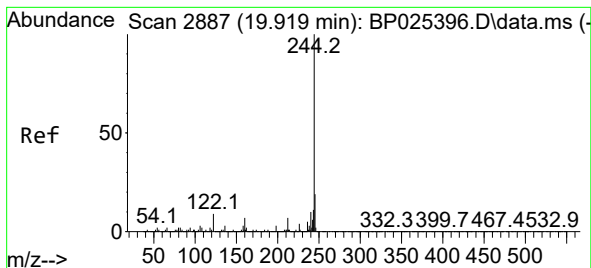
Ion Ratio Lower Upper

240 100

120 14.0 8.9 13.3

236 27.9 19.8 29.8





#79

Terphenyl-d14

Concen: 35.907 ng

RT: 19.971 min Scan# 21

Delta R.T. 0.053 min

Lab File: BP025576.D

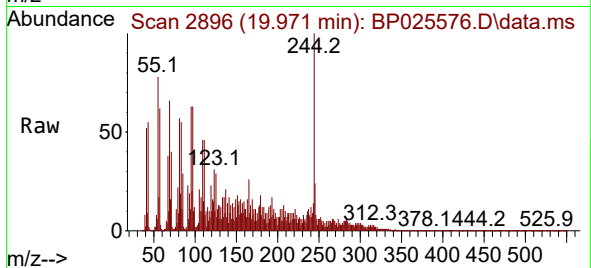
Acq: 25 Aug 2025 22:37

Instrument :

BNA_P

ClientSampleId :

ARS20-0002-SOIL



Tgt Ion:244 Resp: 195767

Ion Ratio Lower Upper

244 100

212 8.9 5.8 8.6

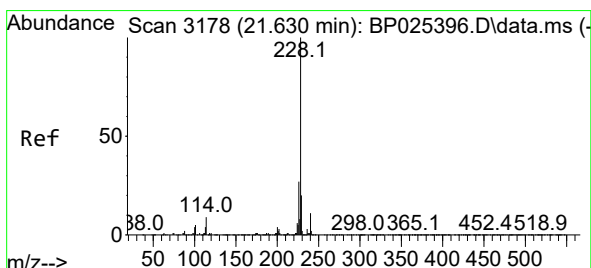
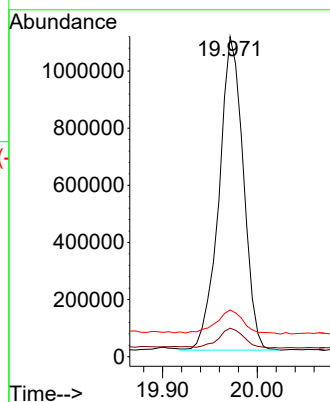
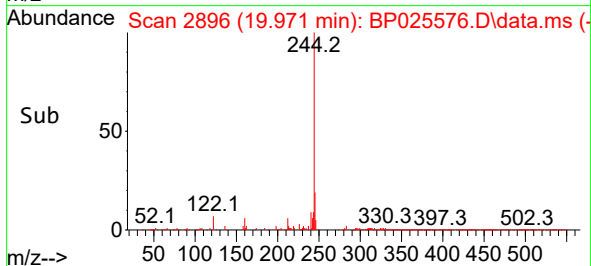
122 14.6 7.4 11.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/26/2025



#81

Benzo(a)anthracene

Concen: 4.590 ng

RT: 21.659 min Scan# 3183

Delta R.T. 0.029 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

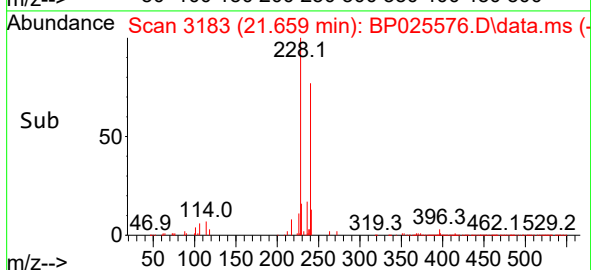
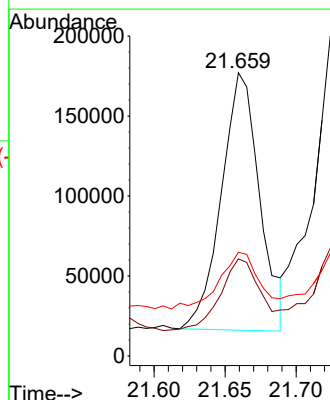
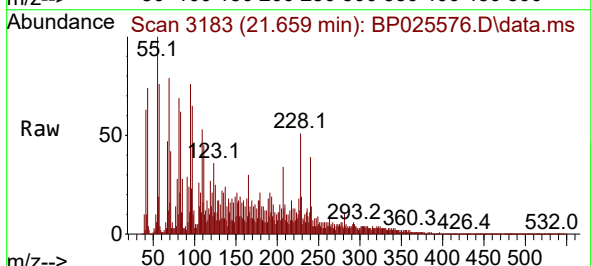
Tgt Ion:228 Resp: 301922

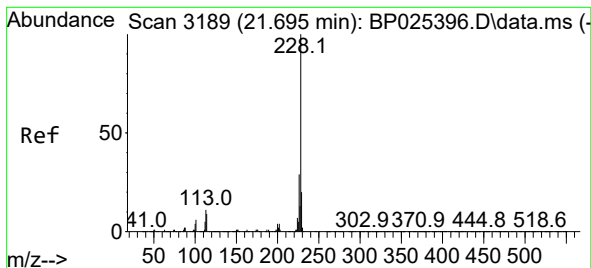
Ion Ratio Lower Upper

228 100

226 34.3 21.7 32.5#

229 36.6 15.6 23.4#





#83

Chrysene

Concen: 6.042 ng

RT: 21.730 min Scan# 3189

Delta R.T. 0.035 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Instrument :

BNA_P

ClientSampleId :

ARS20-0002-SOIL

Tgt Ion:228 Resp: 372215

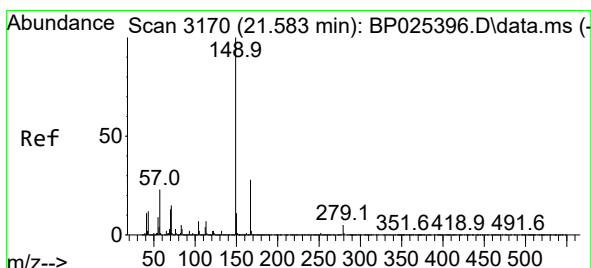
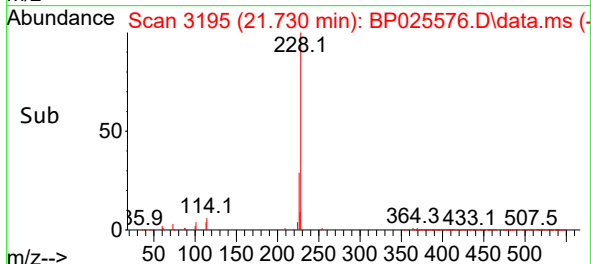
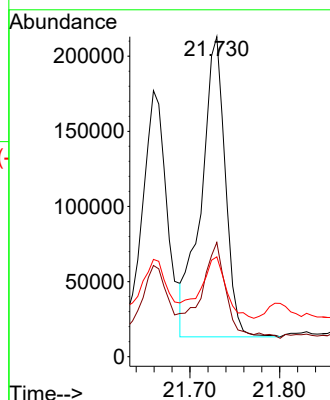
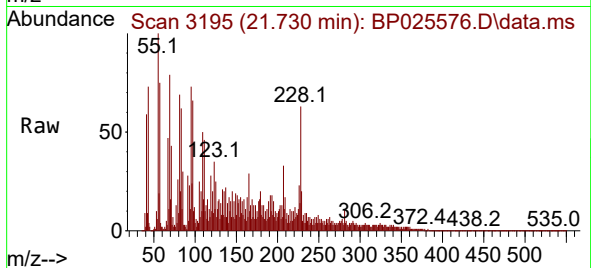
Ion	Ratio	Lower	Upper
228	100		
226	35.7	23.2	34.8
229	31.2	15.6	23.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/26/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.823 ng

RT: 21.571 min Scan# 3168

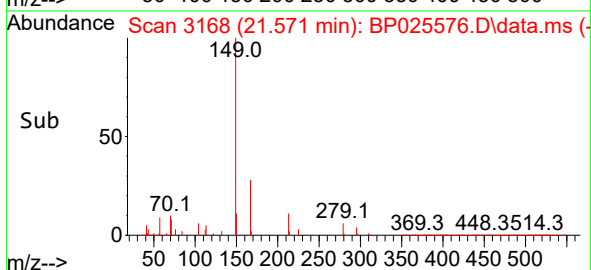
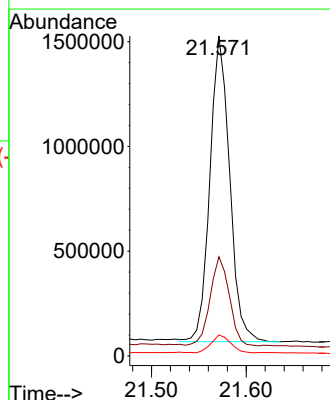
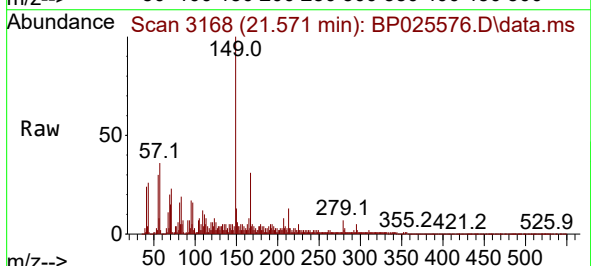
Delta R.T. -0.012 min

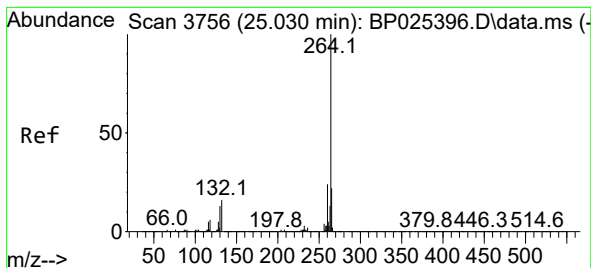
Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Tgt Ion:149 Resp: 2111763

Ion	Ratio	Lower	Upper
149	100		
167	31.0	22.1	33.1
279	6.5	3.8	5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.018 min Scan# 31

Delta R.T. -0.012 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Instrument :

BNA_P

ClientSampleId :

ARS20-0002-SOIL

Tgt Ion:264 Resp: 1271728

Ion Ratio Lower Upper

264 100

260 24.2 19.3 28.9

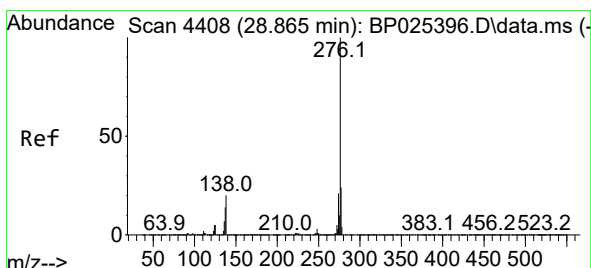
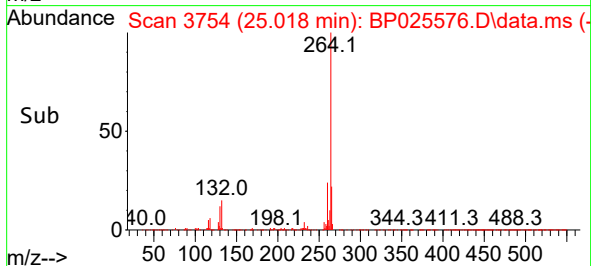
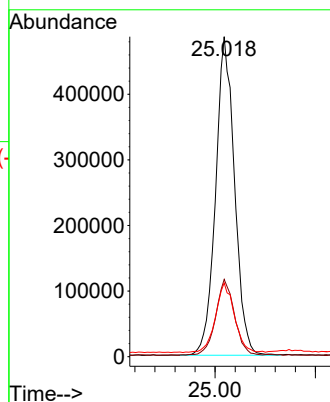
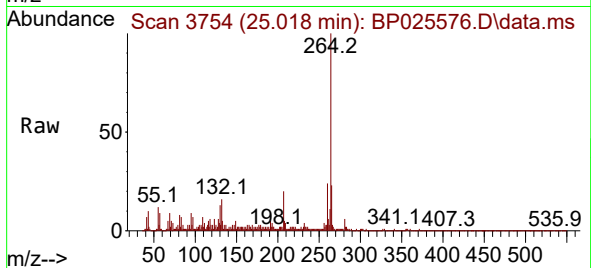
265 23.0 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.200 ng

RT: 28.841 min Scan# 4404

Delta R.T. -0.024 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

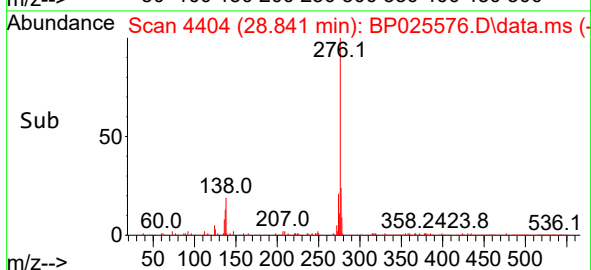
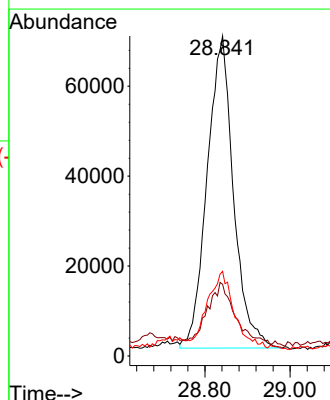
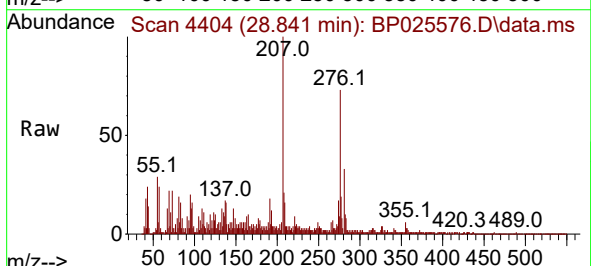
Tgt Ion:276 Resp: 298452

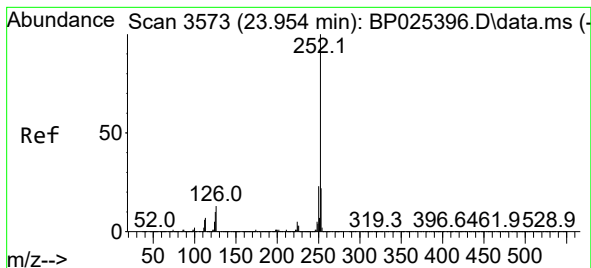
Ion Ratio Lower Upper

276 100

138 20.1 12.9 19.3#

277 24.8 17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 8.272 ng

RT: 23.953 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Instrument :

BNA_P

ClientSampleId :

ARS20-0002-SOIL

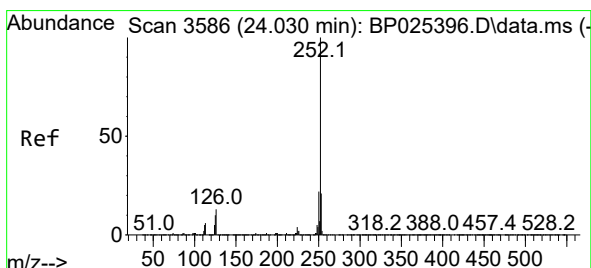
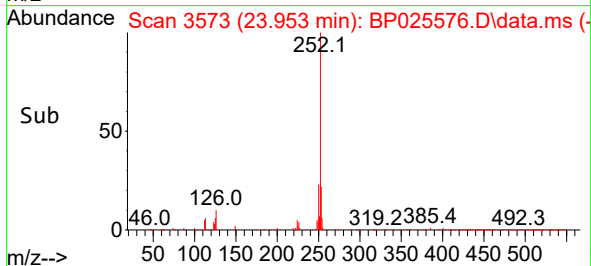
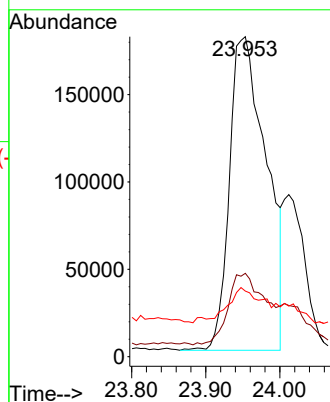
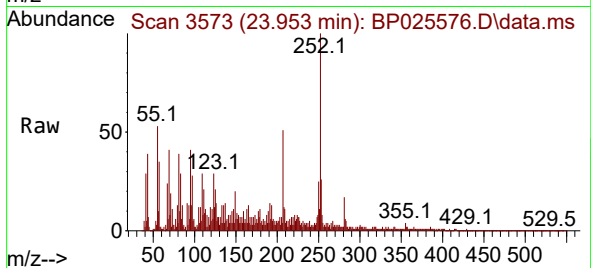
Tgt Ion:252 Resp: 620334
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.7 26.5
 125 20.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#89

Benzo(k)fluoranthene

Concen: 2.607 ng m

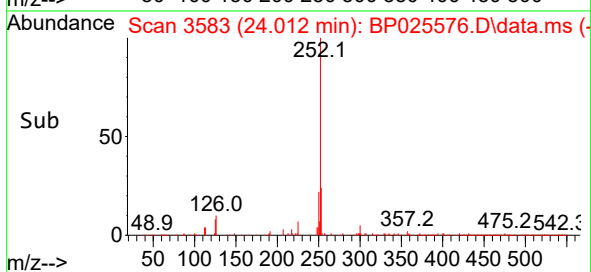
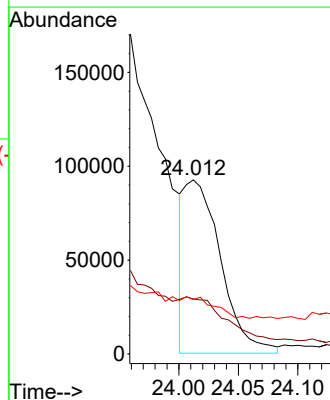
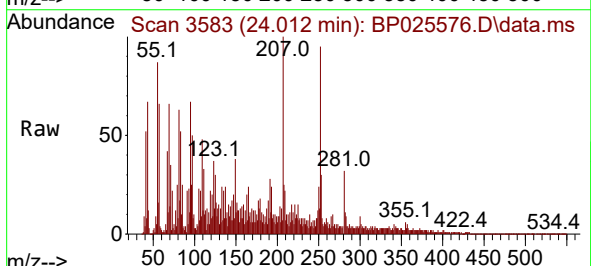
RT: 24.012 min Scan# 3583

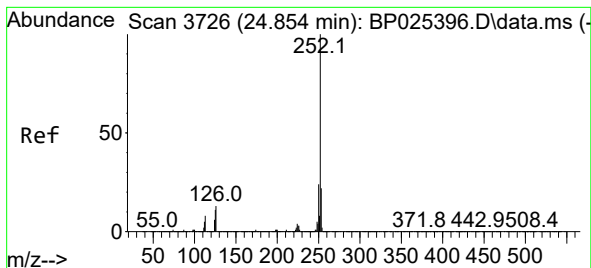
Delta R.T. -0.018 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Tgt Ion:252 Resp: 195661
 Ion Ratio Lower Upper
 252 100
 253 31.6 17.1 25.7#
 125 31.2 7.8 11.6#





#90

Benzo(a)pyrene

Concen: 3.609 ng

RT: 24.853 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Instrument :

BNA_P

ClientSampleId :

ARS20-0002-SOIL

Tgt Ion:252 Resp: 26344

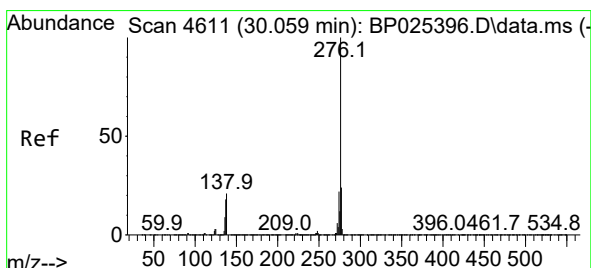
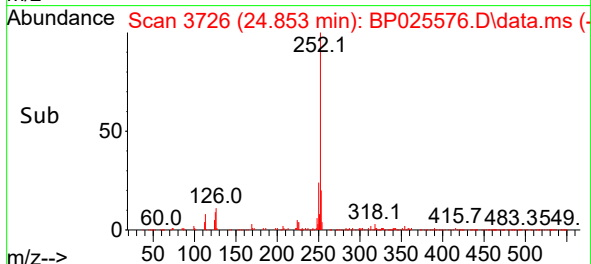
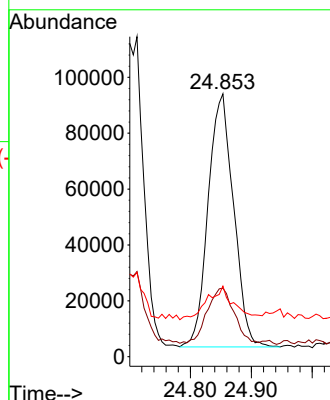
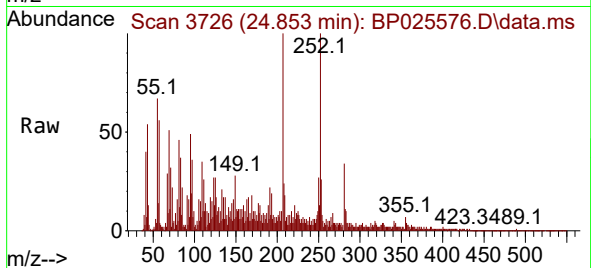
Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.5	26.3
125	26.8	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/26/2025

Supervised By :Jagrut Upadhyay 08/26/2025



#92

Benzo(g,h,i)perylene

Concen: 3.821 ng

RT: 30.035 min Scan# 4607

Delta R.T. -0.024 min

Lab File: BP025576.D

Acq: 25 Aug 2025 22:37

Tgt Ion:276 Resp: 286238

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.0
138	20.7	16.7	25.1

