

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
 Data File : BP023902.D
 Acq On : 04 Feb 2025 06:46
 Operator : RC/JU
 Sample : Q1190-10
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A44S9

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 04 08:12:47 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP012925.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 11:19:36 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	548556	20.000	ng/u1	0.00
20) Naphthalene-d8	10.546	136	2345667	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.404	164	1391536	20.000	ng/u1	0.02
64) Phenanthrene-d10	17.204	188	2654355	20.000	ng/u1	0.02
79) Chrysene-d12	21.639	240	2607073	20.000	ng/u1	0.00
88) Perylene-d12	25.010	264	2795194	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	27979	2.119	ng/uL	0.00
4) Pyridine-d5	3.717	84	93281	2.449	ng/u1	0.01
7) Phenol-d5	6.958	99	610294	12.572	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.111	67	333937	12.996	ng/u1	0.00
11) 2-Chlorophenol-d4	7.316	132	480433	12.603	ng/u1	0.00
15) 4-Methylphenol-d8	8.475	113	391156	9.864	ng/u1	0.00
21) Nitrobenzene-d5	8.916	128	228794	12.191	ng/u1	0.00
24) 2-Nitrophenol-d4	9.634	143	223352	11.030	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.175	165	488287	13.144	ng/u1	0.00
31) 4-Chloroaniline-d4	10.681	131	134349	2.418	ng/u1	0.00
46) Dimethylphthalate-d6	13.804	166	1477967	14.239	ng/u1	0.01
49) Acenaphthylene-d8	14.093	160	1573121	13.438	ng/u1	0.01
54) 4-Nitrophenol-d4	14.616	143	164047	7.958	ng/u1	0.00
60) Fluorene-d10	15.416	176	1165539	13.334	ng/u1	0.02
65) 4,6-Dinitro-2-methylph...	15.528	200	110413	6.743	ng/u1	0.02
73) Anthracene-d10	17.298	188	1667596	12.795	ng/u1	0.01
81) Pyrene-d10	19.669	212	1569316	11.234	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.780	264	921235	6.317	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	6.981	94	119948	2.406	ng/u1	97
16) Acetophenone	8.587	105	520503	8.586	ng/u1	97
50) Acenaphthylene	14.122	152	575130	4.613	ng/u1	100
72) Phenanthrene	17.245	178	2190877	14.616	ng/u1	100
74) Anthracene	17.339	178	418529	2.769	ng/u1	99
80) Fluoranthene	19.328	202	4133033	25.686	ng/u1	100
82) Pyrene	19.704	202	3590944	21.341	ng/u1	97
85) Benzo(a)anthracene	21.627	228	1998623m	11.658	ng/u1	
87) Chrysene	21.692	228	2450569	15.513	ng/u1	97
90) Benzo(b)fluoranthene	23.939	252	3168588	18.682	ng/u1	97
91) Benzo(k)fluoranthene	24.016	252	1041186	6.124	ng/u1	97
93) Benzo(a)pyrene	24.857	252	1236951	7.810	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	28.856	276	1235499	6.018	ng/u1	95
95) Dibenzo(a,h)anthracene	28.898	278	480260m	2.884	ng/u1	

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

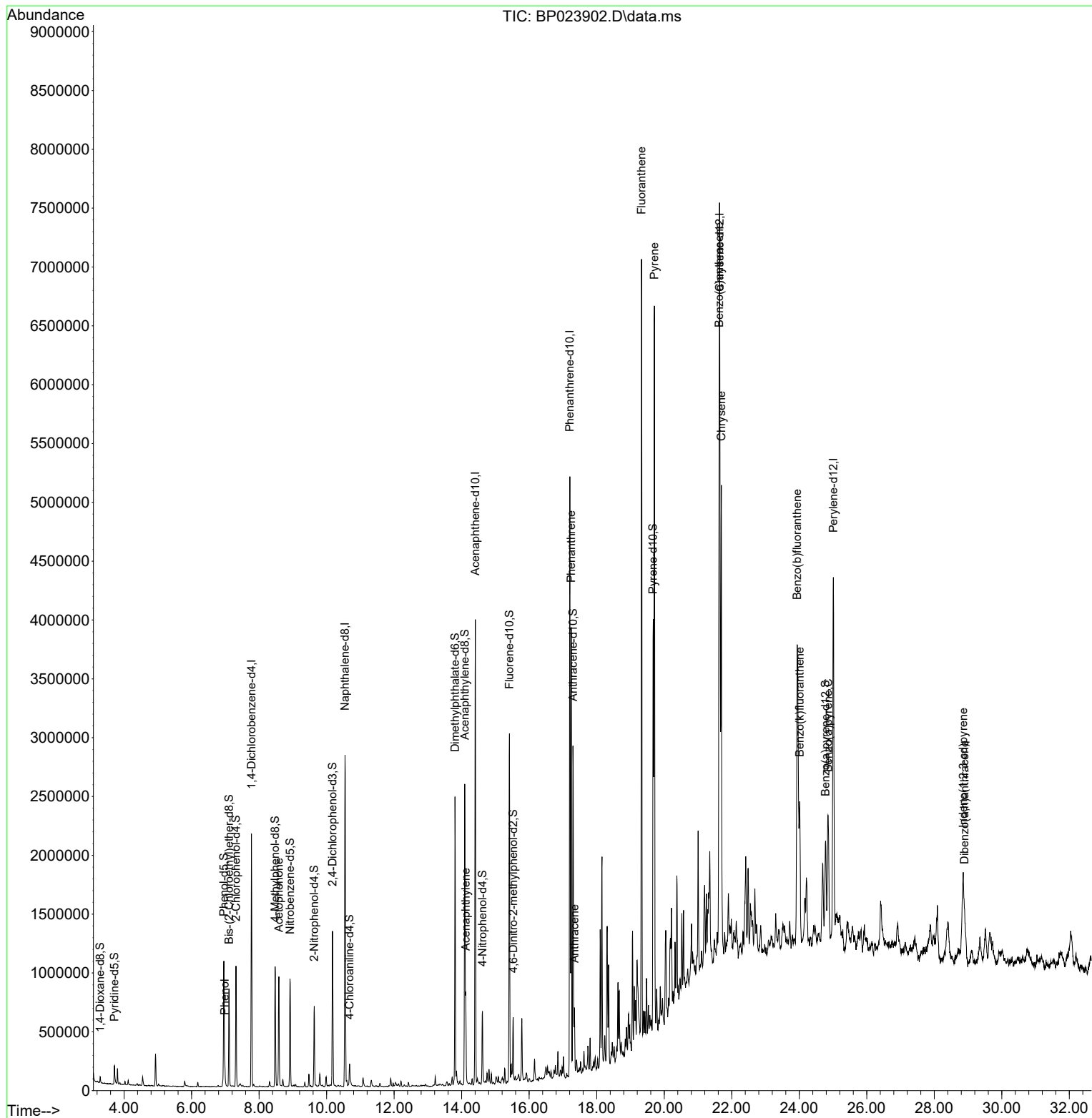
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP020325\
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 ALS Vial : 32 Sample Multiplier: 1

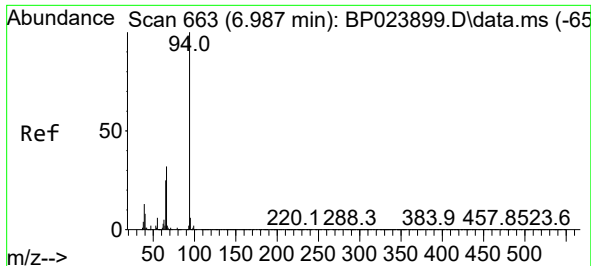
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#8

Phenol

Concen: 2.406 ng/ul

RT: 6.981 min Scan# 60

Delta R.T. 0.000 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

Instrument :

BNA_P

ClientSampleId :

A44S9

Tgt Ion: 94 Resp: 11994

Ion Ratio Lower Upper

94 100

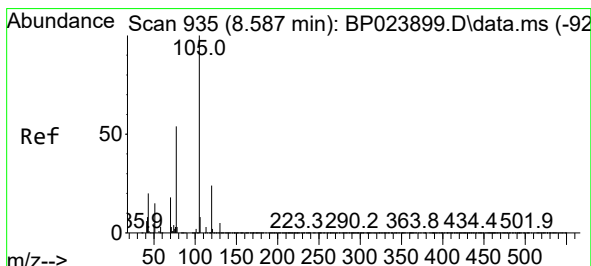
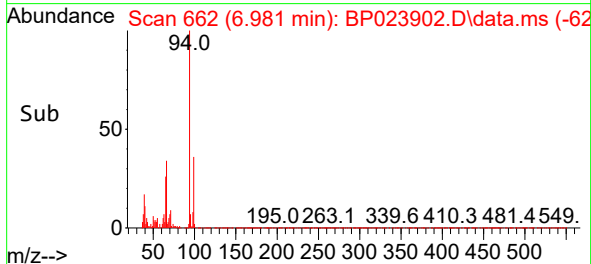
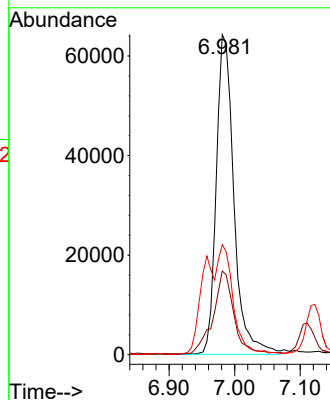
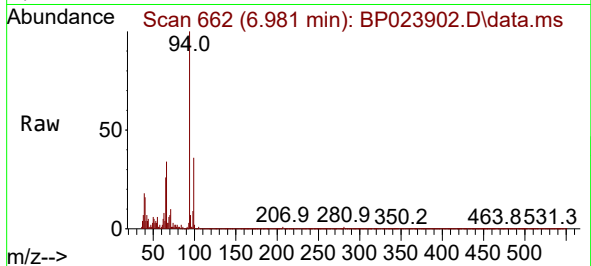
65 26.2 20.1 30.1

66 34.3 26.0 39.0

Manual Integrations

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#16

Acetophenone

Concen: 8.586 ng/ul

RT: 8.587 min Scan# 935

Delta R.T. 0.006 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

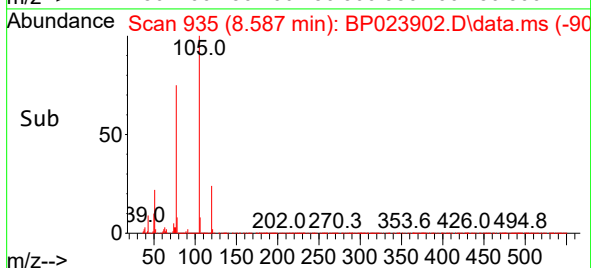
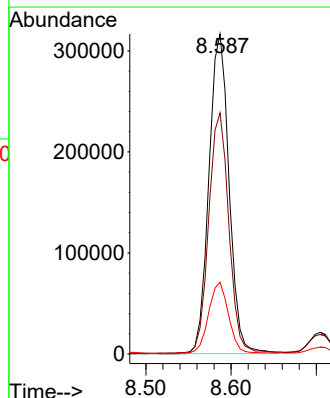
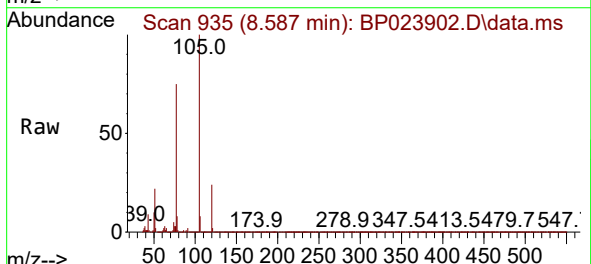
Tgt Ion:105 Resp: 520503

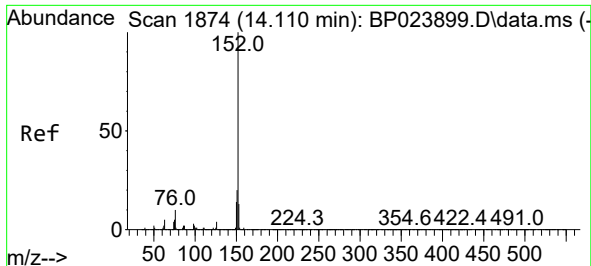
Ion Ratio Lower Upper

105 100

77 75.4 58.6 87.8

51 22.5 16.6 24.8





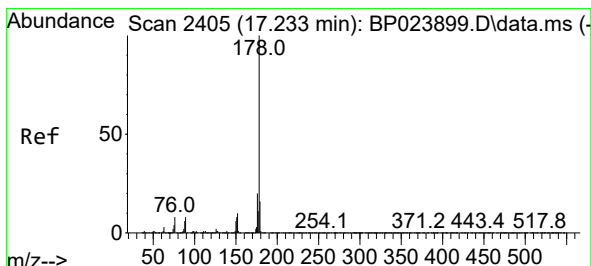
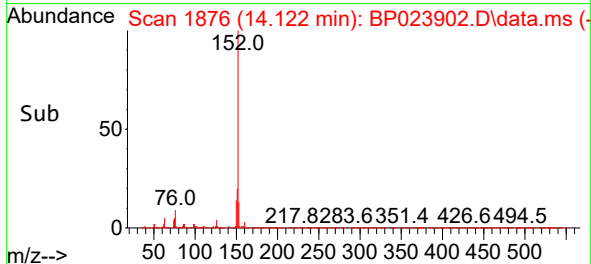
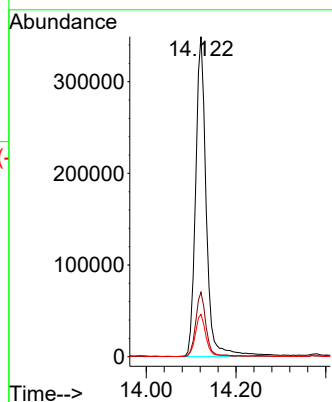
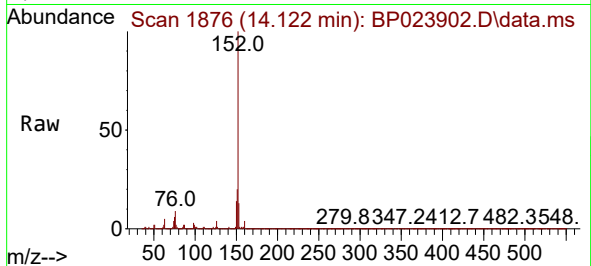
#50
Acenaphthylene
Concen: 4.613 ng/ul
RT: 14.122 min Scan# 1876
Delta R.T. 0.012 min
Lab File: BP023902.D
Acq: 04 Feb 2025 06:46

Instrument :
BNA_P
ClientSampleId :
A44S9

Tgt Ion:152 Resp: 575130
Ion Ratio Lower Upper
152 100
151 20.2 16.1 24.1
153 13.3 10.4 15.6

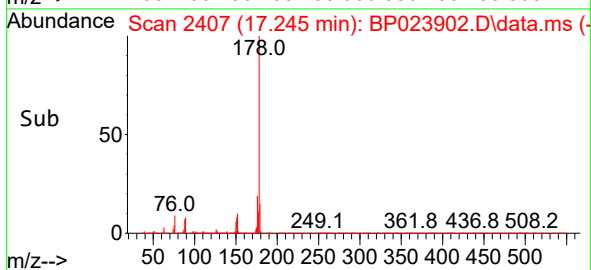
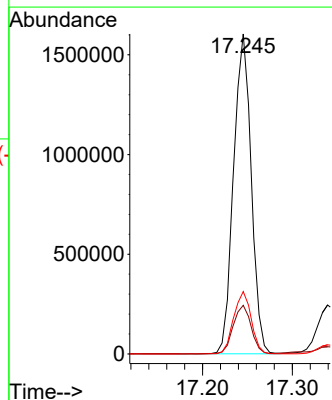
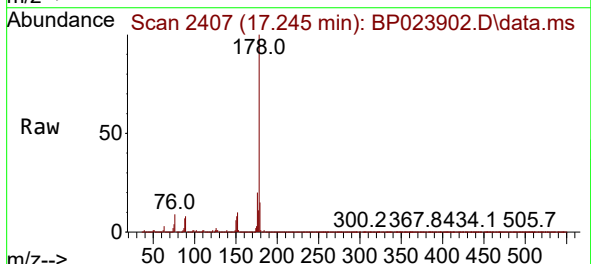
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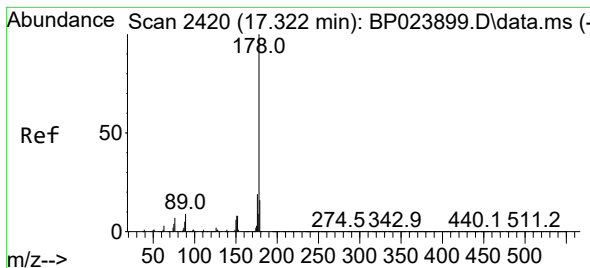
Reviewed By :Jagrut Upadhyay 02/04/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Phenanthrene
Concen: 14.616 ng/ul
RT: 17.245 min Scan# 2407
Delta R.T. 0.018 min
Lab File: BP023902.D
Acq: 04 Feb 2025 06:46

Tgt Ion:178 Resp: 2190877
Ion Ratio Lower Upper
178 100
179 15.2 12.2 18.4
176 19.5 15.6 23.4





#74

Anthracene

Concen: 2.769 ng/ul

RT: 17.339 min Scan# 2420

Delta R.T. 0.018 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

Instrument :

BNA_P

ClientSampleId :

A44S9

Tgt Ion:178 Resp: 418529

Ion Ratio Lower Upper

178 100

179 14.9 12.4 18.6

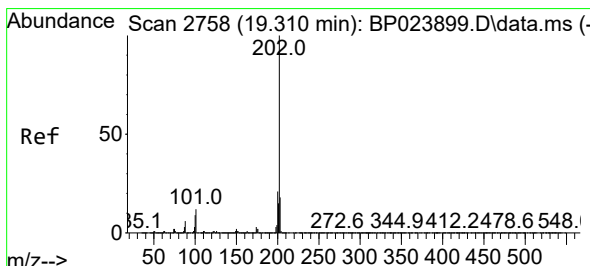
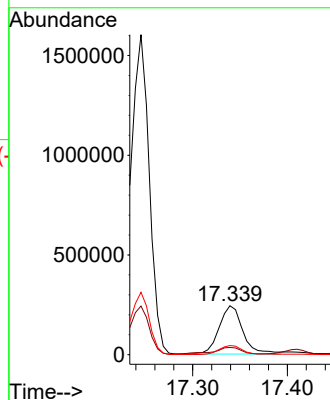
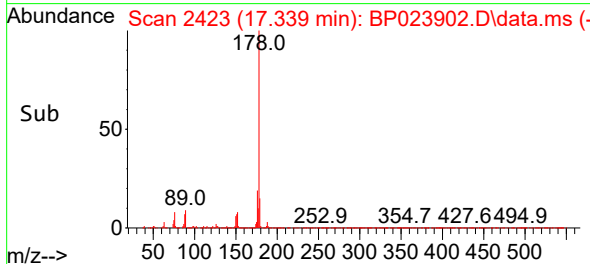
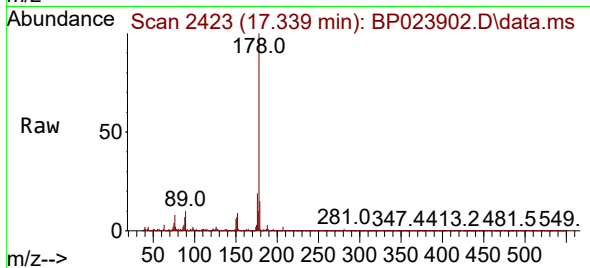
176 18.7 15.0 22.4

Manual Integrations

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#80

Fluoranthene

Concen: 25.686 ng/ul

RT: 19.328 min Scan# 2761

Delta R.T. 0.012 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

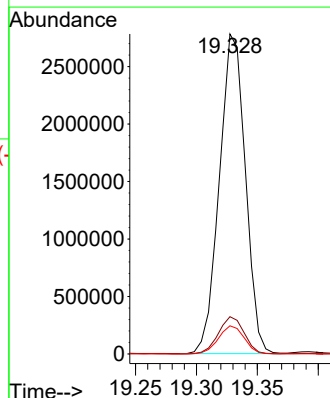
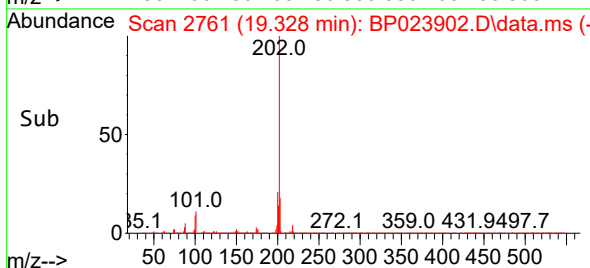
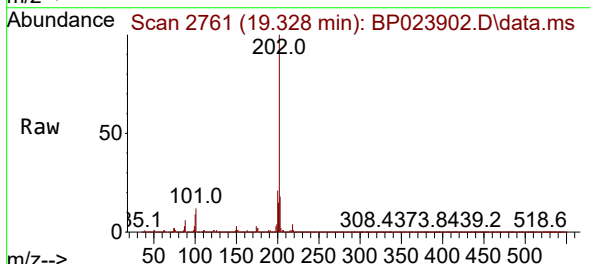
Tgt Ion:202 Resp: 4133033

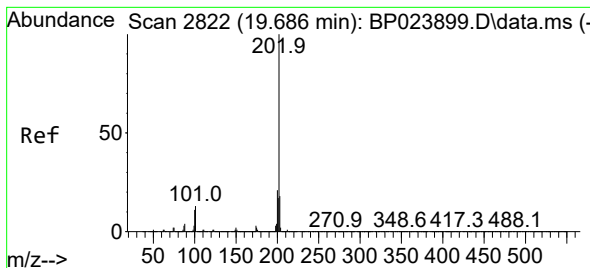
Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

100 8.8 7.0 10.6





#82

Pyrene

Concen: 21.341 ng/ul

RT: 19.704 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

Instrument :

BNA_P

ClientSampleId :

A44S9

Tgt Ion:202 Resp: 359094

Ion Ratio Lower Upper

202 100

101 14.5 10.4 15.6

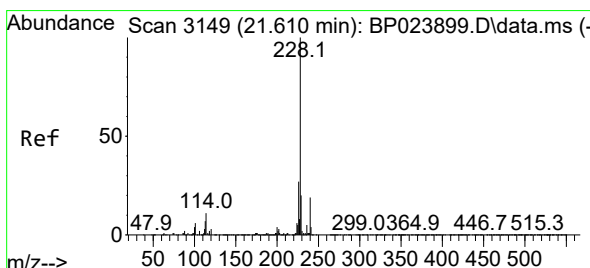
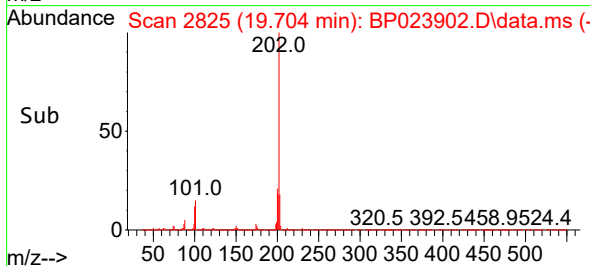
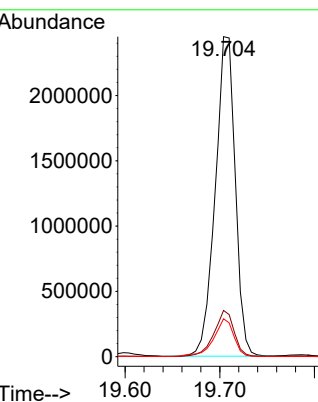
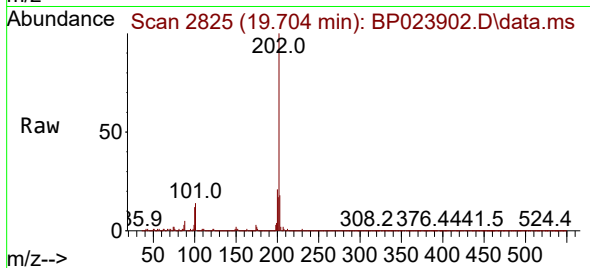
100 11.8 8.6 12.8

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#85

Benzo(a)anthracene

Concen: 11.658 ng/ul m

RT: 21.627 min Scan# 3152

Delta R.T. 0.012 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

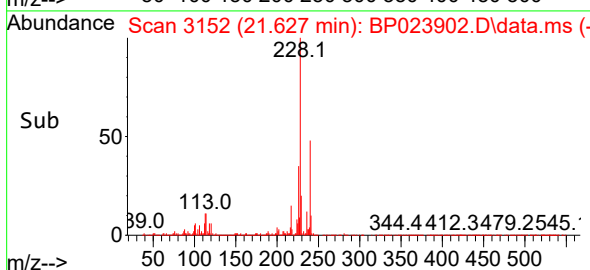
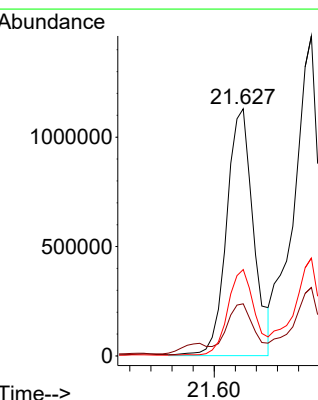
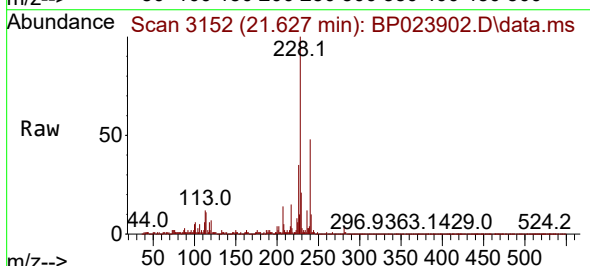
Tgt Ion:228 Resp: 1998623

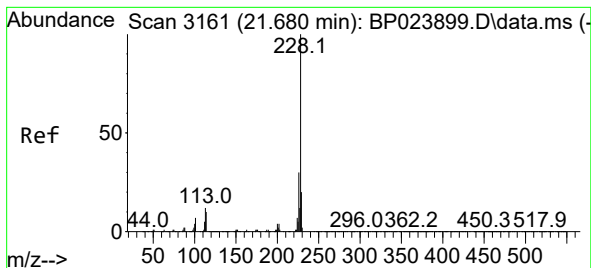
Ion Ratio Lower Upper

228 100

229 21.1 15.9 23.9

226 35.0 21.7 32.5#





#87

Chrysene

Concen: 15.513 ng/ul

RT: 21.692 min Scan# 3163

Delta R.T. 0.006 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

Instrument :

BNA_P

ClientSampleId :

A44S9

Tgt Ion:228 Resp: 245056

Ion Ratio Lower Upper

228 100

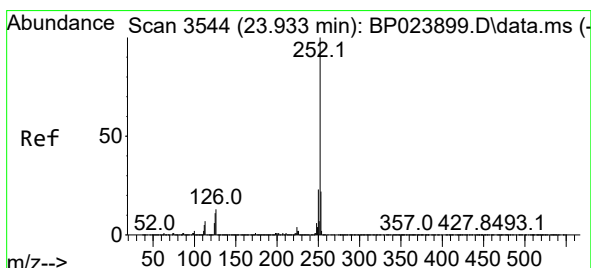
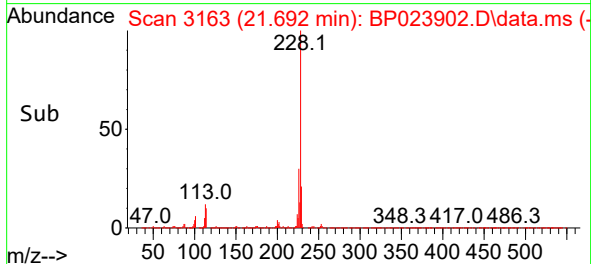
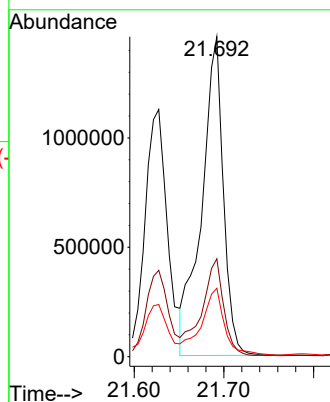
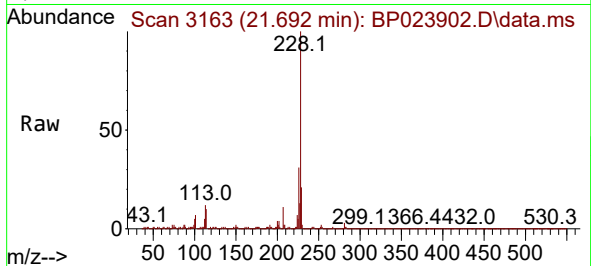
226 30.6 23.8 35.6

229 21.4 15.7 23.5

Manual Integrations

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#90

Benzo(b)fluoranthene

Concen: 18.682 ng/ul

RT: 23.939 min Scan# 3545

Delta R.T. -0.006 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

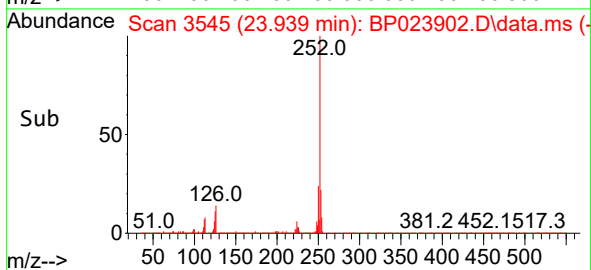
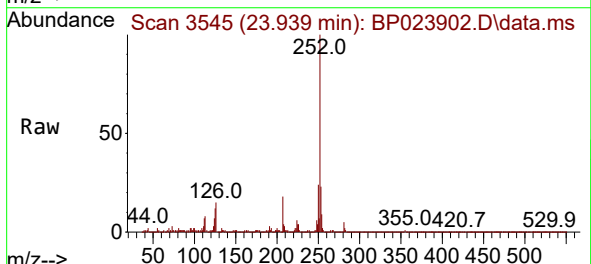
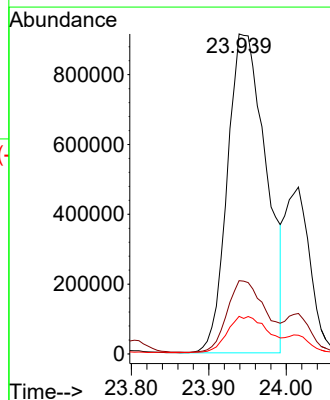
Tgt Ion:252 Resp: 3168588

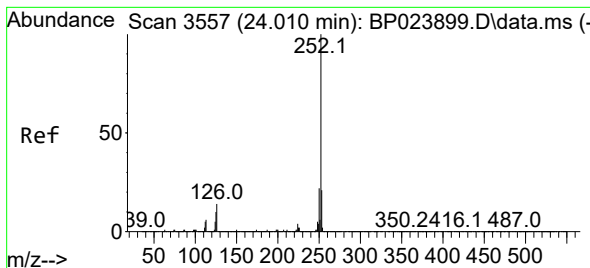
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.8 8.2 12.2





#91

Benzo(k)fluoranthene

Concen: 6.124 ng/ul

RT: 24.016 min Scan# 30

Delta R.T. 0.006 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

Instrument :

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ClientSampleId :

A44S9

Tgt Ion:252 Resp: 104118

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.6

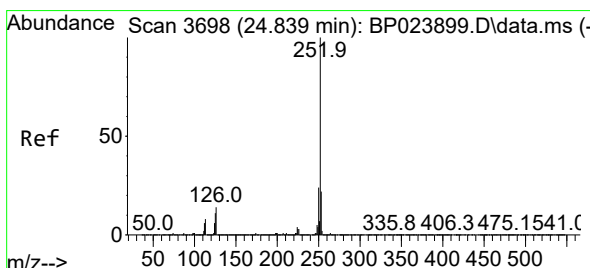
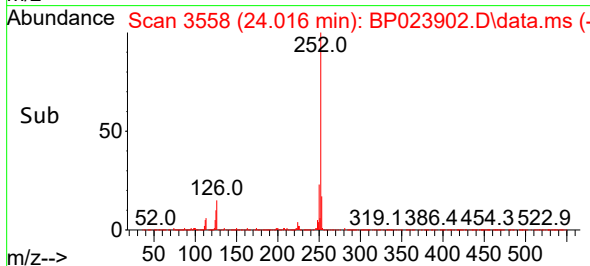
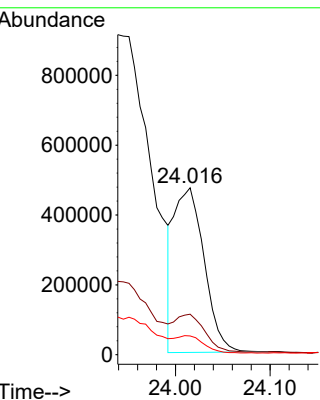
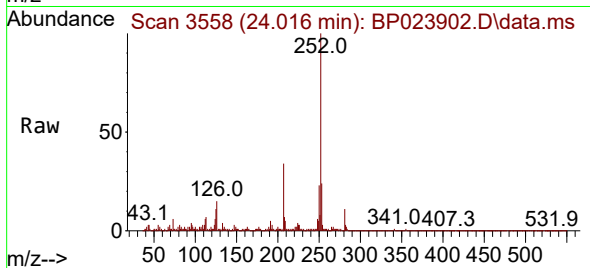
125 11.2 8.5 12.7

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#93

Benzo(a)pyrene

Concen: 7.810 ng/ul

RT: 24.857 min Scan# 3701

Delta R.T. 0.000 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

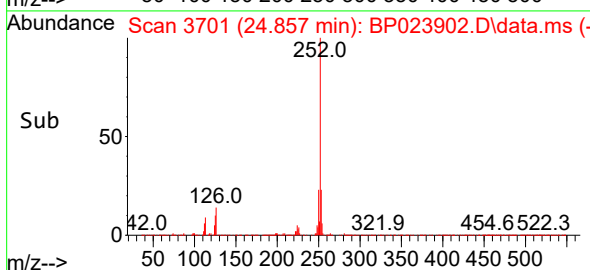
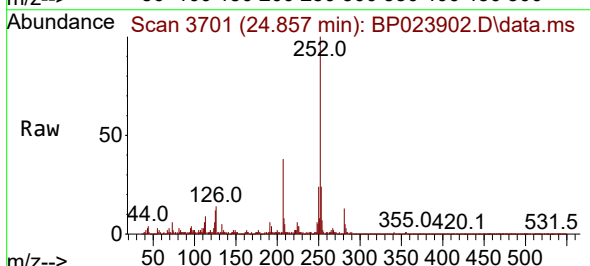
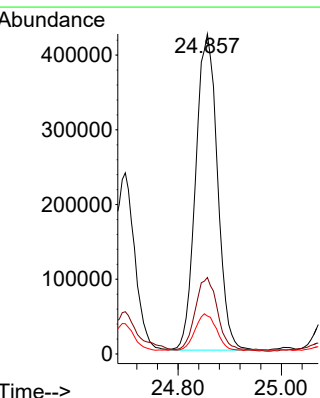
Tgt Ion:252 Resp: 1236951

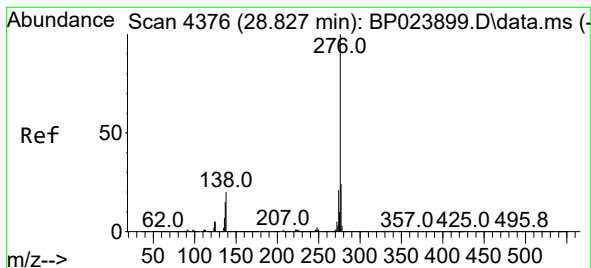
Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 11.9 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 6.018 ng/ul

RT: 28.856 min Scan# 4381

Delta R.T. 0.029 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

Instrument :

BNA_P

ClientSampleId :

A44S9

Tgt Ion:276 Resp: 123549

Ion Ratio Lower Upper

276 100

138 23.3 15.9 23.9

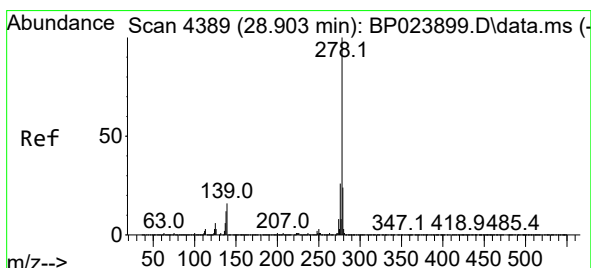
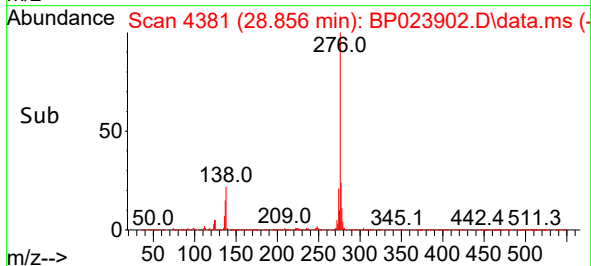
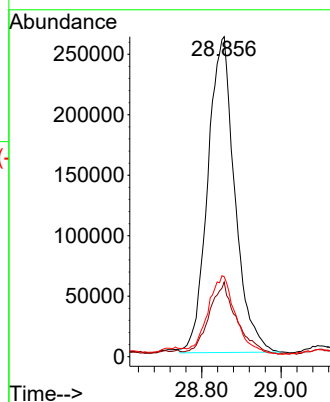
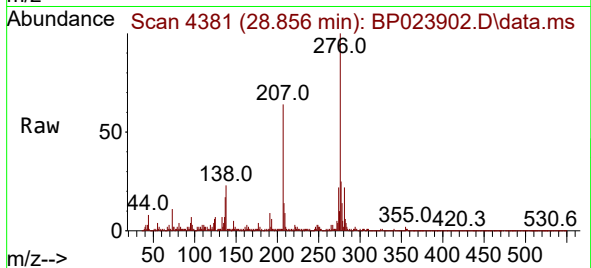
277 25.0 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/04/2025

Supervised By :mohammad ahmed 02/06/2025



#95

Dibenzo(a,h)anthracene

Concen: 2.884 ng/ul m

RT: 28.898 min Scan# 4388

Delta R.T. -0.029 min

Lab File: BP023902.D

Acq: 04 Feb 2025 06:46

Tgt Ion:278 Resp: 480260

Ion Ratio Lower Upper

278 100

139 17.3 12.7 19.1

279 28.3 19.0 28.6

