

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP120423\
 Data File : BP018640.D
 Acq On : 06 Dec 2023 16:55
 Operator : MA/JU
 Sample : 05456-01DL 5X
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E05M4DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/08/2023

Quant Time: Dec 07 00:00:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Dec 04 21:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	370519	20.000	ng/u1	0.00
20) Naphthalene-d8	10.646	136	1536067	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.481	164	913237	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.228	188	1647616	20.000	ng/u1	0.00
79) Chrysene-d12	21.316	240	1241536	20.000	ng/u1	0.00
88) Perylene-d12	23.692	264	1576981	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.270	96	2212	0.203	ng/uL	0.00
4) Pyridine-d5	3.699	84	11533	0.396	ng/u1	0.01
7) Phenol-d5	7.016	99	50046	1.346	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.187	67	30309	1.375	ng/u1	0.00
11) 2-Chlorophenol-d4	7.381	132	38440	1.325	ng/u1	0.00
15) 4-Methylphenol-d8	8.563	113	37857	1.258	ng/u1	0.00
21) Nitrobenzene-d5	9.010	128	16243	1.188	ng/u1	0.00
24) 2-Nitrophenol-d4	9.734	143	17087	1.206	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.269	165	41286	1.424	ng/u1	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.893	166	131043	1.608	ng/u1	-0.01
49) Acenaphthylene-d8	14.175	160	135130	1.506	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.469	176	109667	1.603	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/u1	
73) Anthracene-d10	17.328	188	145314	1.678	ng/u1	0.00
81) Pyrene-d10	19.563	212	149641	1.548	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.533	264	154580	1.681	ng/u1	0.00
Target Compounds						Qvalue
16) Acetophenone	8.675	105	191941	4.280	ng/u1	98
50) Acenaphthylene	14.204	152	215066	2.131	ng/u1	99
72) Phenanthrene	17.269	178	1353689	13.604	ng/u1	100
74) Anthracene	17.363	178	403804	4.048	ng/u1	100
80) Fluoranthene	19.239	202	3509546	30.722	ng/u1	99
82) Pyrene	19.592	202	3567704	30.958	ng/u1	97
85) Benzo(a)anthracene	21.304	228	2295599	22.780	ng/u1	97
87) Chrysene	21.357	228	2266945	24.428	ng/u1	98
90) Benzo(b)fluoranthene	22.974	252	3192383	27.456	ng/u1	98
91) Benzo(k)fluoranthene	23.010	252	1223633m	10.877	ng/u1	
93) Benzo(a)pyrene	23.586	252	2007336	18.894	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.163	276	1805455	14.223	ng/u1#	95
95) Dibenzo(a,h)anthracene	26.168	278	490516	4.645	ng/u1#	81
96) Benzo(g,h,i)perylene	26.921	276	1582382	15.490	ng/u1	97

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

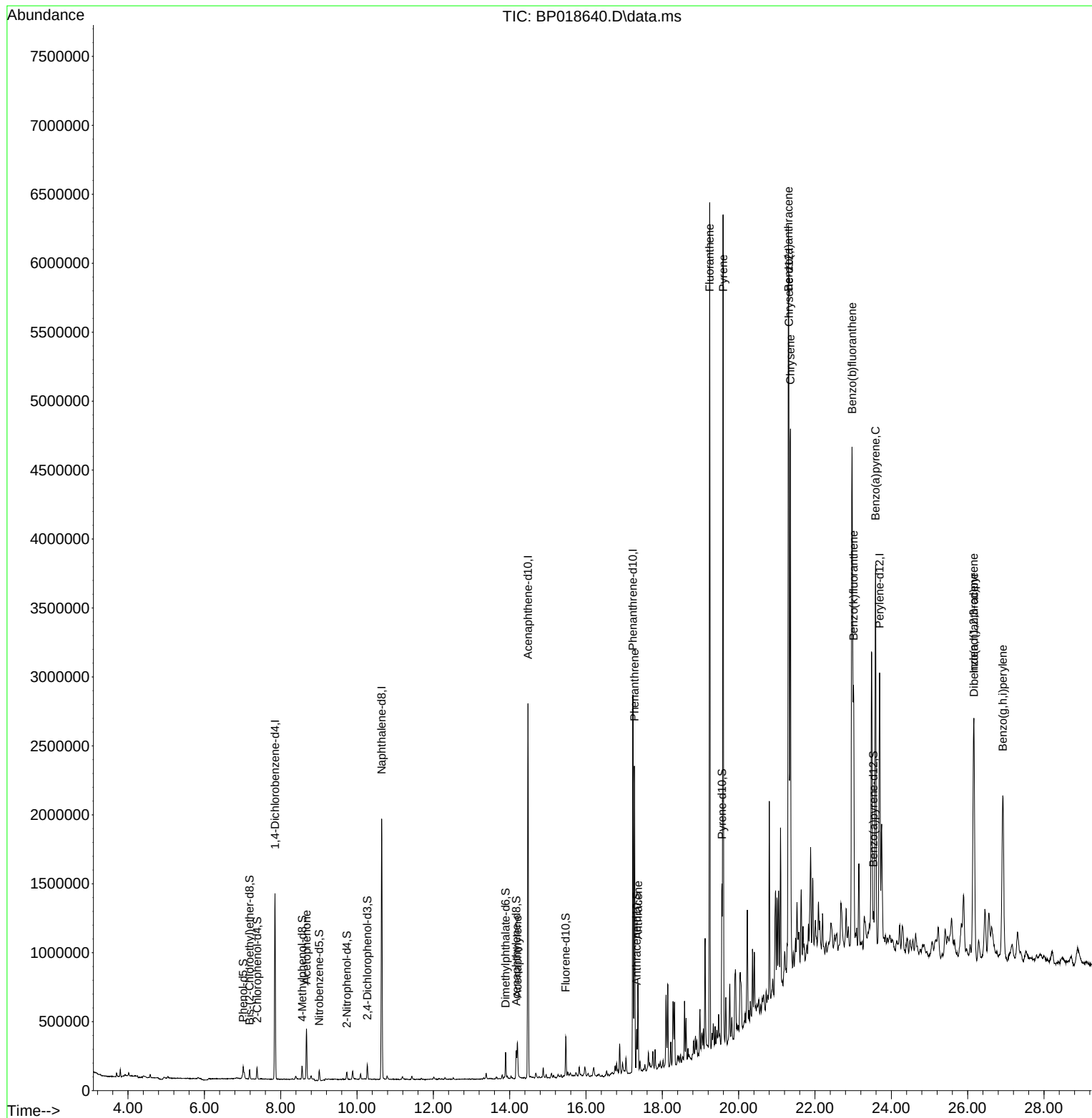
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 Data File : BP018640.D
 Acq On : 06 Dec 2023 16:55
 Operator : MA/JU
 Sample : 05456-01DL 5X
 Misc :
 ALS Vial : 77 Sample Multiplier: 1

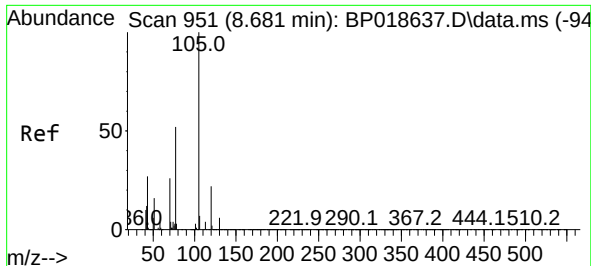
Instrument :
 BNA_P
 ClientSampleId :
 E05M4DL

Quant Time: Dec 07 00:00:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
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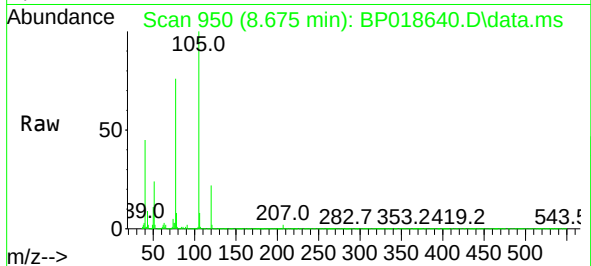
Reviewed By :Yogesh Patel 12/07/2023
 Supervised By :mohammad ahmed 12/08/2023





#16
Acetophenone
Concen: 4.280 ng/ul
RT: 8.675 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP018640.D
Acq: 06 Dec 2023 16:55

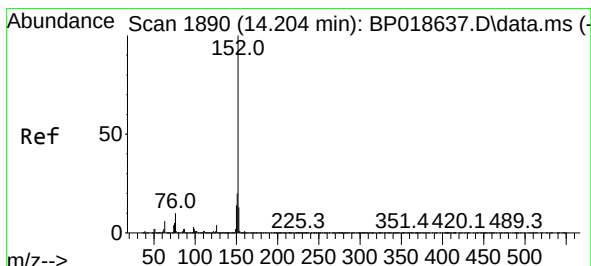
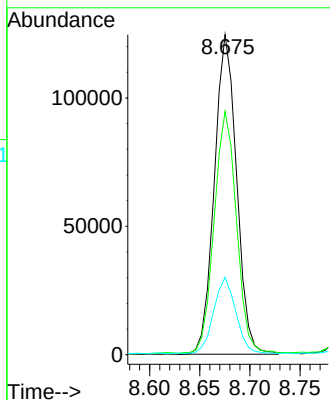
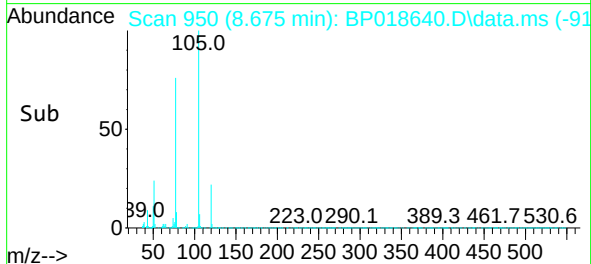
Instrument :
BNA_P
ClientSampleId :
E05M4DL



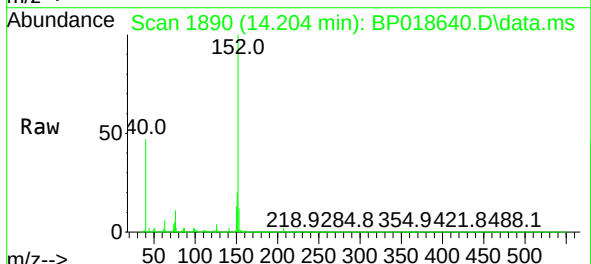
Tgt Ion:105 Resp: 19194
Ion Ratio Lower Upper
105 100
77 76.0 59.4 89.0
51 24.2 19.4 29.0

Manual Integrations
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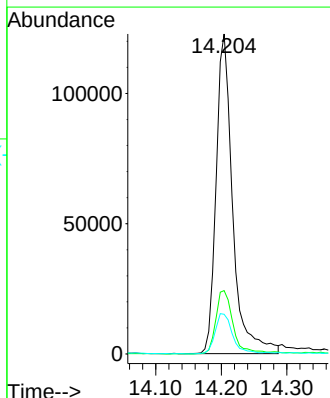
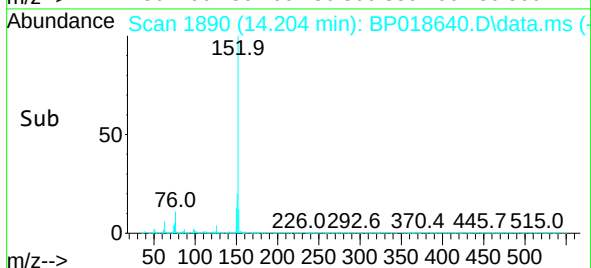
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023

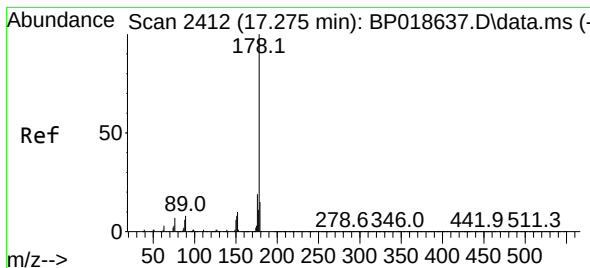


#50
Acenaphthylene
Concen: 2.131 ng/ul
RT: 14.204 min Scan# 1890
Delta R.T. 0.000 min
Lab File: BP018640.D
Acq: 06 Dec 2023 16:55



Tgt Ion:152 Resp: 215066
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 12.4 10.6 16.0





#72

Phenanthrene

Concen: 13.604 ng/ul

RT: 17.269 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

Instrument :

BNA_P

ClientSampleId :

E05M4DL

Tgt Ion:178 Resp: 1353689

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

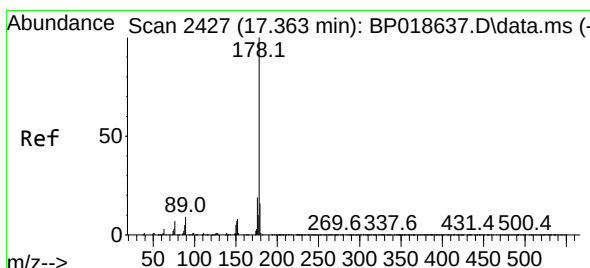
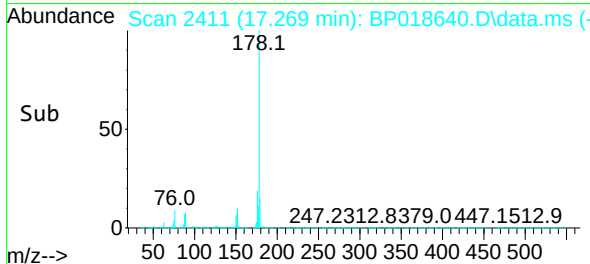
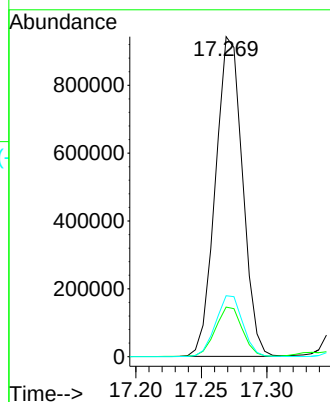
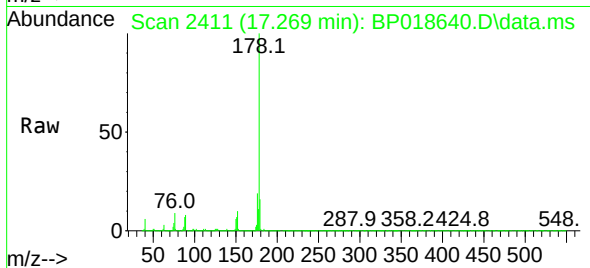
176 19.1 15.4 23.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/08/2023



#74

Anthracene

Concen: 4.048 ng/ul

RT: 17.363 min Scan# 2427

Delta R.T. 0.000 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

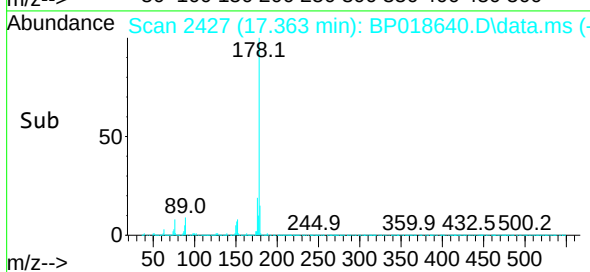
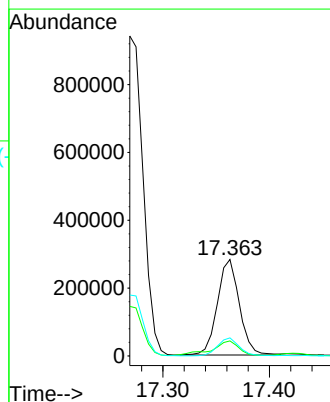
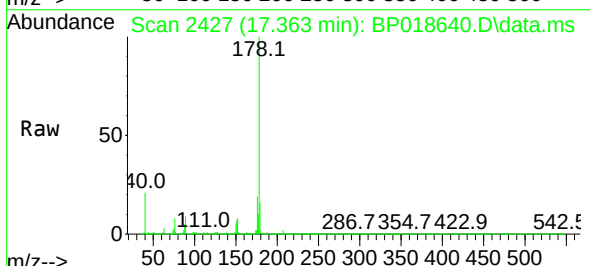
Tgt Ion:178 Resp: 403804

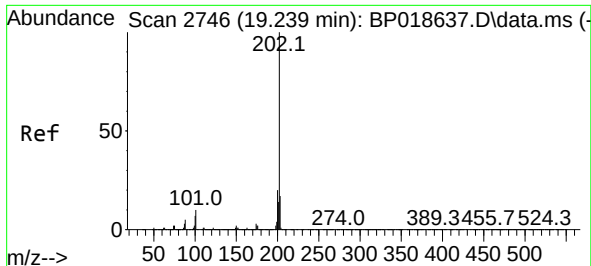
Ion Ratio Lower Upper

178 100

179 15.6 12.5 18.7

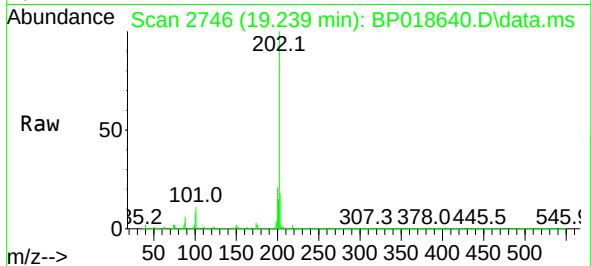
176 18.8 15.0 22.6





#80
Fluoranthene
Concen: 30.722 ng/u1
RT: 19.239 min Scan# 2746
Delta R.T. 0.000 min
Lab File: BP018640.D
Acq: 06 Dec 2023 16:55

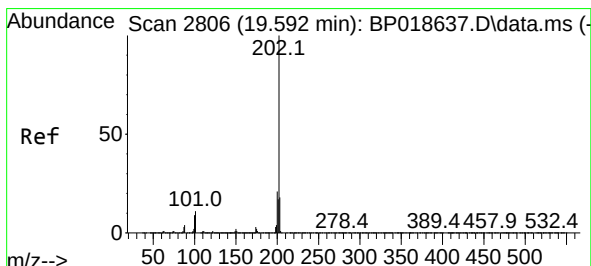
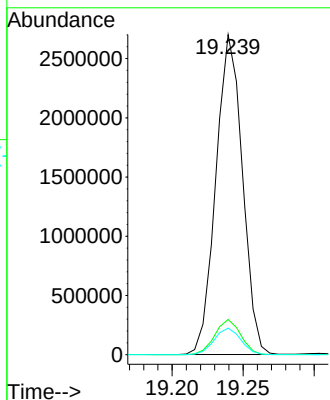
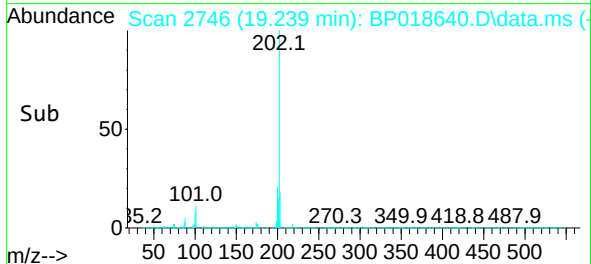
Instrument :
BNA_P
ClientSampleId :
E05M4DL



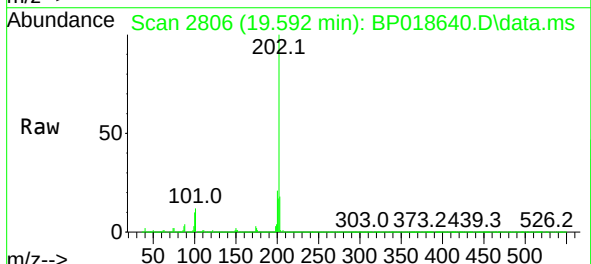
Tgt Ion:202 Resp: 3509540
Ion Ratio Lower Upper
202 100
101 11.0 9.1 13.7
100 8.3 7.1 10.7

Manual Integrations
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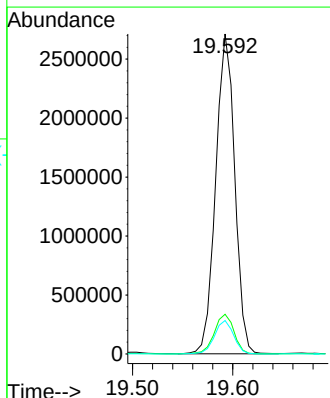
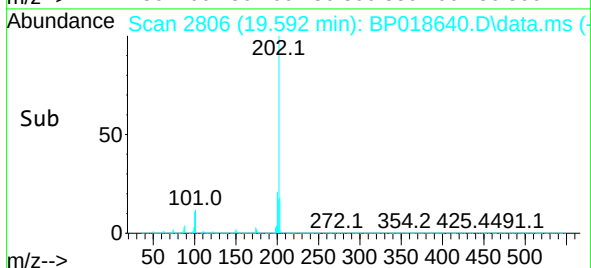
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023

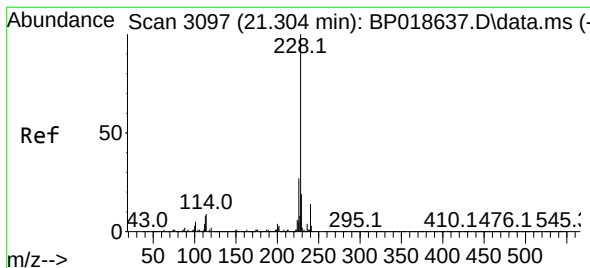


#82
Pyrene
Concen: 30.958 ng/u1
RT: 19.592 min Scan# 2806
Delta R.T. 0.000 min
Lab File: BP018640.D
Acq: 06 Dec 2023 16:55



Tgt Ion:202 Resp: 3567704
Ion Ratio Lower Upper
202 100
101 12.4 11.0 16.4
100 10.5 9.1 13.7





#85

Benzo(a)anthracene

Concen: 22.780 ng/u1

RT: 21.304 min Scan# 3097

Delta R.T. 0.000 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

Instrument :

BNP_P

ClientSampleId :

E05M4DL

Tgt Ion:228 Resp: 2295599

Ion Ratio Lower Upper

228 100

229 20.5 15.7 23.5

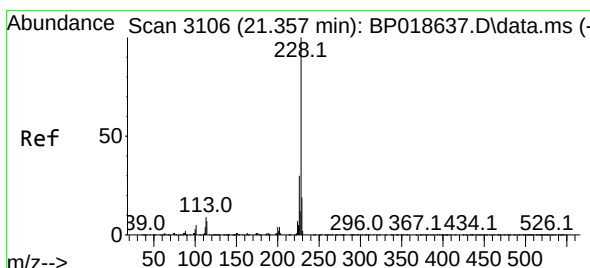
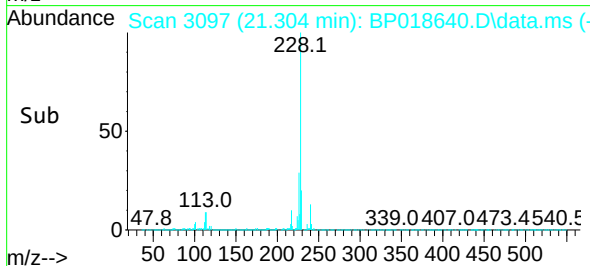
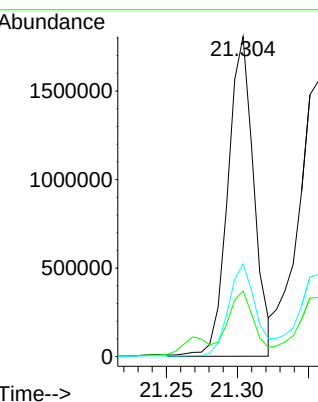
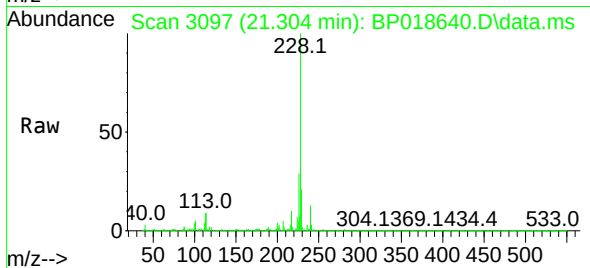
226 29.0 21.9 32.9

Manual Integrations

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Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/08/2023



#87

Chrysene

Concen: 24.428 ng/u1

RT: 21.357 min Scan# 3106

Delta R.T. 0.006 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

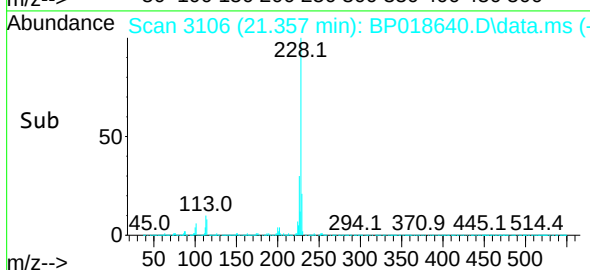
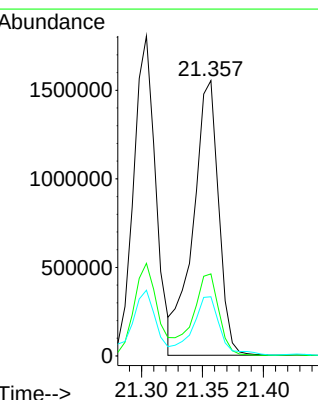
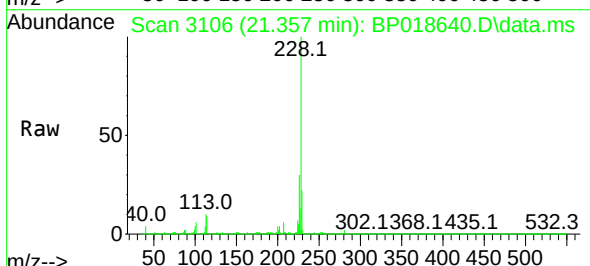
Tgt Ion:228 Resp: 2266945

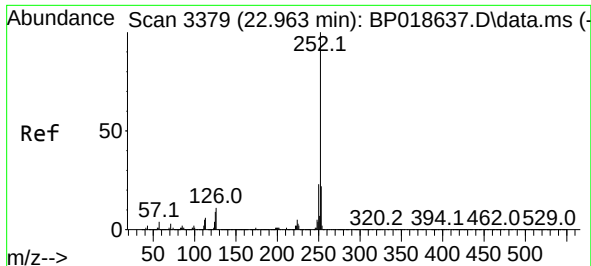
Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

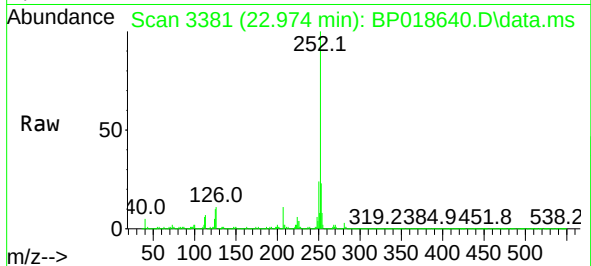
229 21.5 15.6 23.4





#90
Benzo(b)fluoranthene
Concen: 27.456 ng/ul
RT: 22.974 min Scan# 3381
Delta R.T. 0.012 min
Lab File: BP018640.D
Acq: 06 Dec 2023 16:55

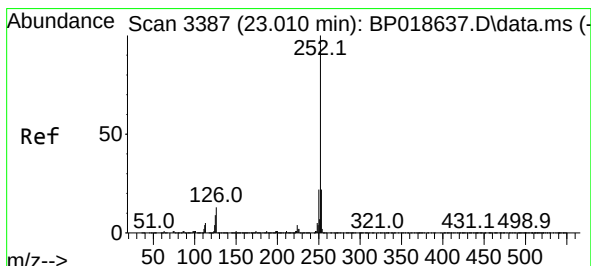
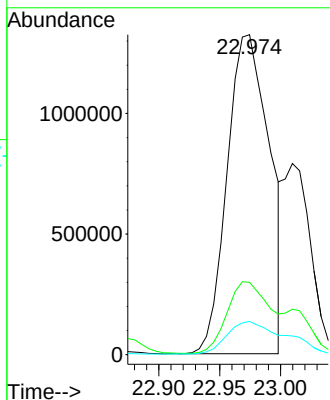
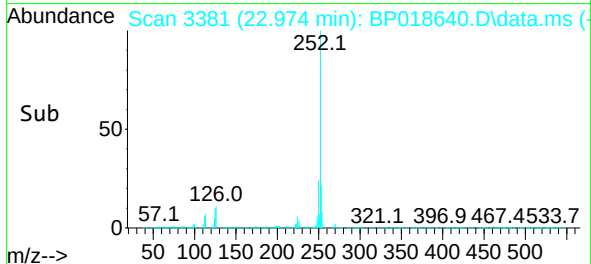
Instrument :
BNA_P
ClientSampleId :
E05M4DL



Tgt Ion:252 Resp: 319238
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 10.4 7.8 11.6

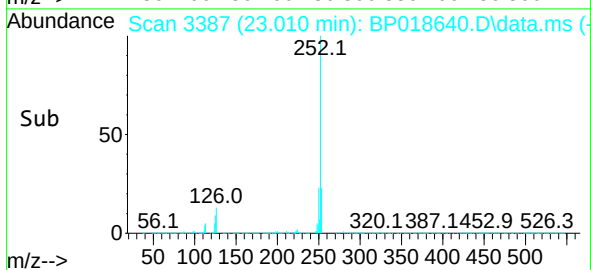
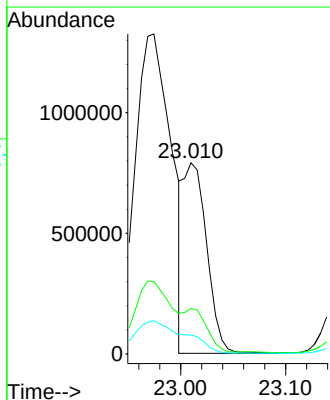
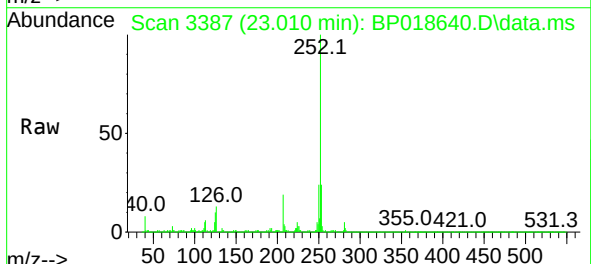
Manual Integrations
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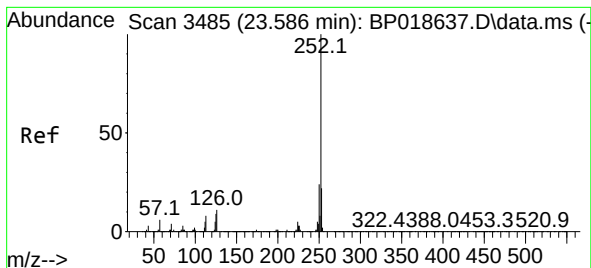
Reviewed By :Yogesh Patel 12/07/2023
Supervised By :mohammad ahmed 12/08/2023



#91
Benzo(k)fluoranthene
Concen: 10.877 ng/ul m
RT: 23.010 min Scan# 3387
Delta R.T. -0.006 min
Lab File: BP018640.D
Acq: 06 Dec 2023 16:55

Tgt Ion:252 Resp: 1223633
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 9.8 8.0 12.0





#93

Benzo(a)pyrene

Concen: 18.894 ng/ul

RT: 23.586 min Scan# 3485

Delta R.T. 0.000 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

Instrument :

BNA_P

ClientSampleId :

E05M4DL

Tgt Ion:252 Resp: 2007330

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

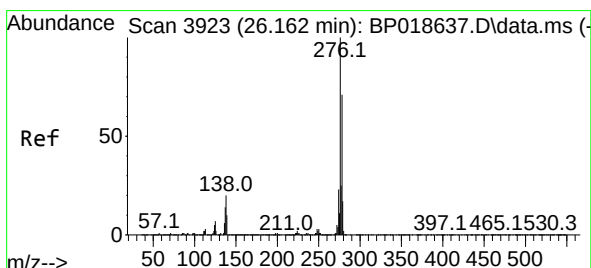
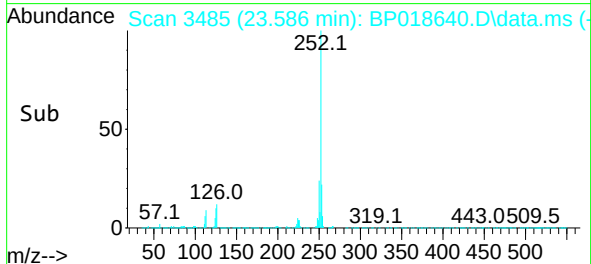
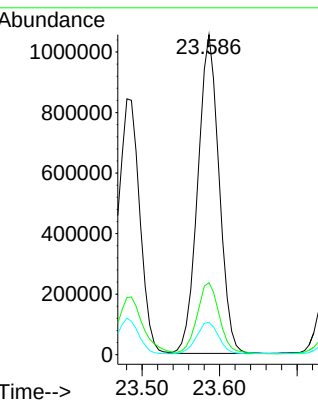
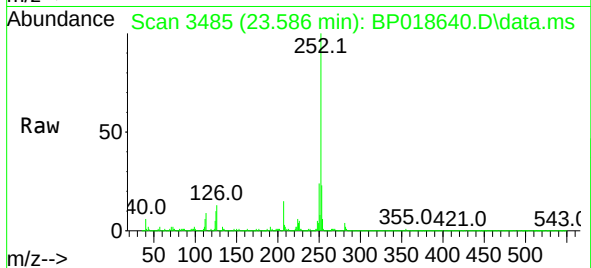
125 10.1 9.2 13.8

Manual Integrations

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Supervised By :mohammad ahmed 12/08/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 14.223 ng/ul

RT: 26.163 min Scan# 3923

Delta R.T. 0.006 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

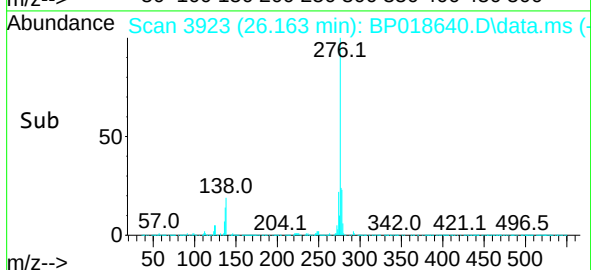
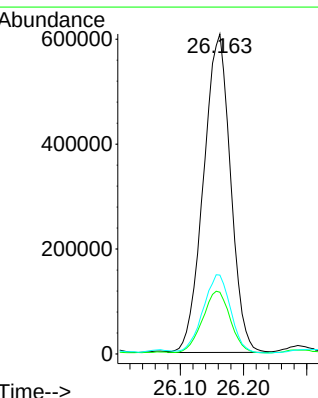
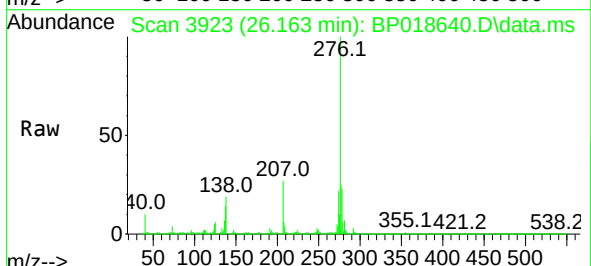
Tgt Ion:276 Resp: 1805455

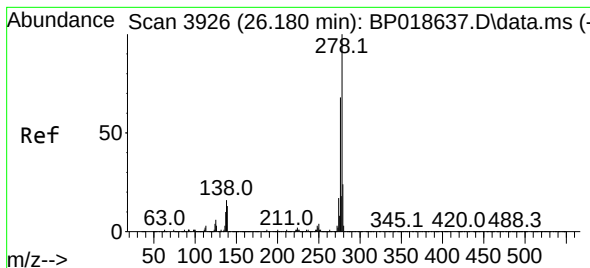
Ion Ratio Lower Upper

276 100

138 19.3 19.4 29.2#

277 24.6 19.8 29.6





#95

Dibenzo(a,h)anthracene

Concen: 4.645 ng/ul

RT: 26.168 min Scan# 3924

Delta R.T. -0.012 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

Instrument :

BNA_P

ClientSampleId :

E05M4DL

Tgt Ion:278 Resp: 490510

Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.6

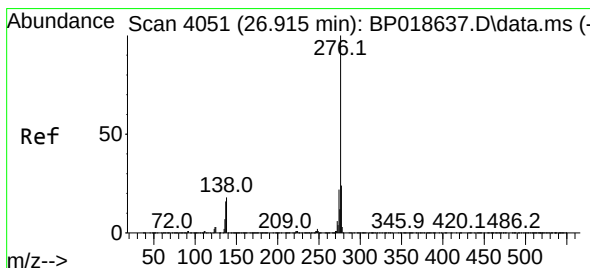
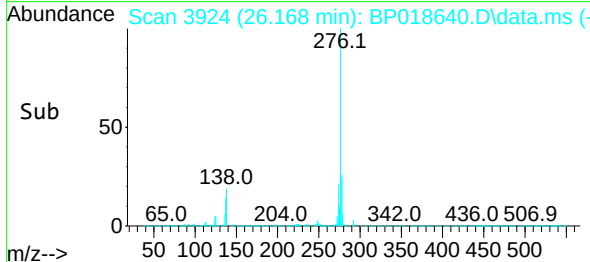
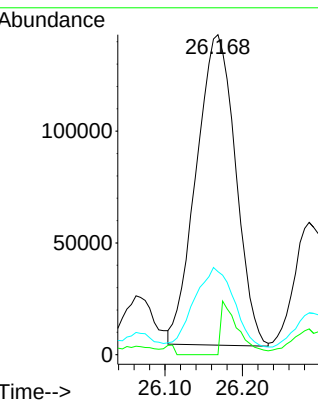
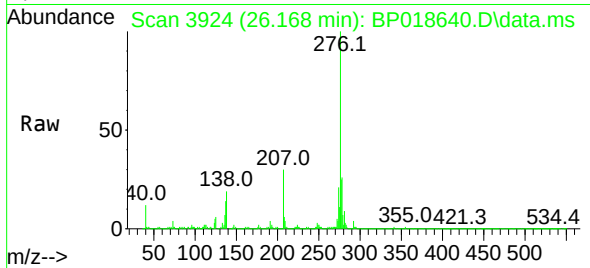
279 25.9 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/07/2023

Supervised By :mohammad ahmed 12/08/2023



#96

Benzo(g,h,i)perylene

Concen: 15.490 ng/ul

RT: 26.921 min Scan# 4052

Delta R.T. 0.006 min

Lab File: BP018640.D

Acq: 06 Dec 2023 16:55

Tgt Ion:276 Resp: 1582382

Ion Ratio Lower Upper

276 100

138 20.3 18.1 27.1

277 23.8 19.4 29.0

