

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP083123\
 Data File : BP016893.D
 Acq On : 31 Aug 2023 12:28
 Operator : MA/JU
 Sample : 04113-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EZYL1

Manual Integrations
 APPROVED

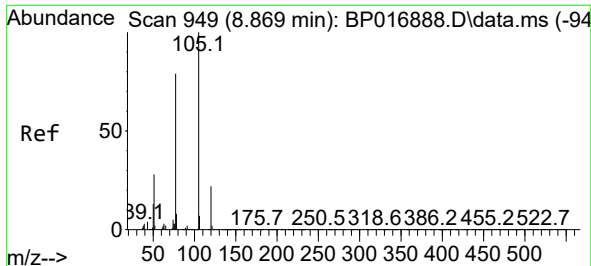
Reviewed By :Yogesh Patel 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Quant Time: Sep 01 01:13:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP082423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 30 02:25:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	440268	20.000	ng/ul	0.00
20) Naphthalene-d8	10.846	136	1802650	20.000	ng/ul	-0.01
38) Acenaphthene-d10	14.675	164	1027542	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.439	188	1965710	20.000	ng/ul	0.00
79) Chrysene-d12	21.545	240	1387528	20.000	ng/ul	0.00
88) Perylene-d12	24.127	264	1593185	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	32150	3.018	ng/uL	0.00
4) Pyridine-d5	3.840	84	18226m	0.560	ng/ul	0.03
7) Phenol-d5	7.164	99	669431	17.100	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.358	67	433540	17.375	ng/ul	0.00
11) 2-Chlorophenol-d4	7.540	132	524103	17.806	ng/ul	0.00
15) 4-Methylphenol-d8	8.722	113	461737	14.448	ng/ul	0.00
21) Nitrobenzene-d5	9.216	128	243043	17.832	ng/ul	0.00
24) 2-Nitrophenol-d4	9.928	143	244058	16.988	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.452	165	459403	17.152	ng/ul	-0.01
31) 4-Chloroaniline-d4	11.005	131	92351	2.248	ng/ul	0.00
46) Dimethylphthalate-d6	14.081	166	1445578	18.655	ng/ul	0.00
49) Acenaphthylene-d8	14.369	160	1688082	19.270	ng/ul	0.00
54) 4-Nitrophenol-d4	14.881	143	113818	7.106	ng/ul	0.00
60) Fluorene-d10	15.669	176	1288965	19.752	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.787	200	65156	5.566	ng/ul	-0.01
73) Anthracene-d10	17.539	188	1818115	20.866	ng/ul	0.00
81) Pyrene-d10	19.775	212	1741399	22.851	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.951	264	1625922	20.374	ng/ul	0.01
Target Compounds					Qvalue	
16) Acetophenone	8.869	105	55930	1.129	ng/ul	94
36) 2-Methylnaphthalene	12.499	142	76140	1.181	ng/ul	99
72) Phenanthrene	17.487	178	167935	1.623	ng/ul	98
80) Fluoranthene	19.445	202	385209	4.208	ng/ul	95
82) Pyrene	19.804	202	566249	5.988	ng/ul	99
85) Benzo(a)anthracene	21.527	228	311575	3.260	ng/ul#	88
87) Chrysene	21.580	228	527899m	6.081	ng/ul	
90) Benzo(b)fluoranthene	23.322	252	823399	8.093	ng/ul#	81
91) Benzo(k)fluoranthene	23.369	252	241082m	2.396	ng/ul	
93) Benzo(a)pyrene	24.010	252	627351	6.817	ng/ul#	80
94) Indeno(1,2,3-cd)pyrene	26.868	276	511358	5.438	ng/ul#	91
95) Dibenzo(a,h)anthracene	26.892	278	161408m	2.067	ng/ul	
96) Benzo(g,h,i)perylene	27.739	276	719623	10.094	ng/ul#	92

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



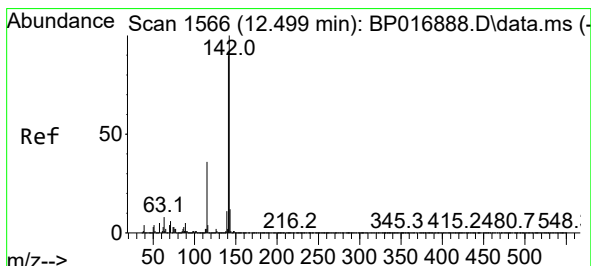
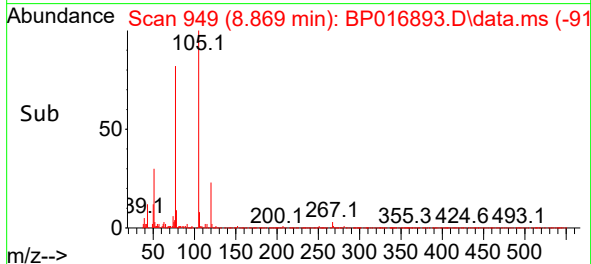
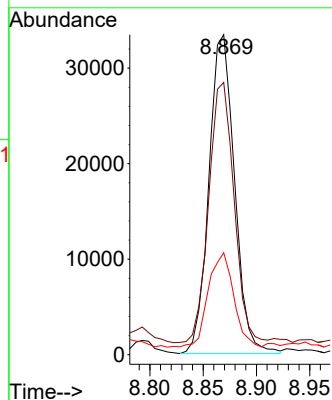
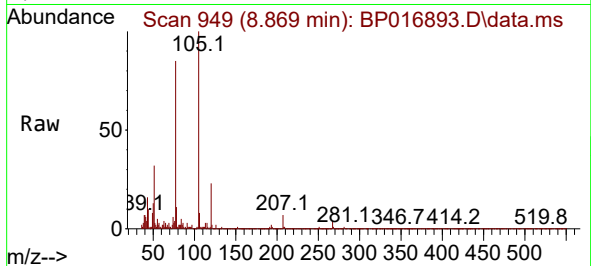
#16
Acetophenone
Concen: 1.129 ng/ul
RT: 8.869 min Scan# 949
Delta R.T. -0.006 min
Lab File: BP016893.D
Acq: 31 Aug 2023 12:28

Instrument :
BNA_P
ClientSampleId :
EZY1

Tgt Ion:105 Resp: 55930
Ion Ratio Lower Upper
105 100
77 85.1 64.2 96.4
51 31.9 22.2 33.4

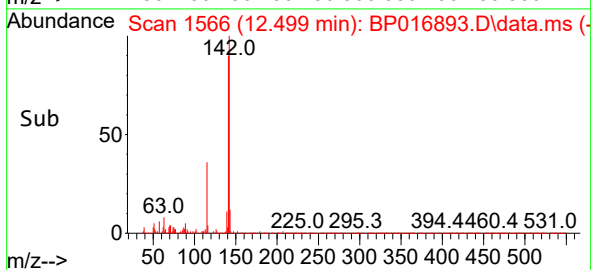
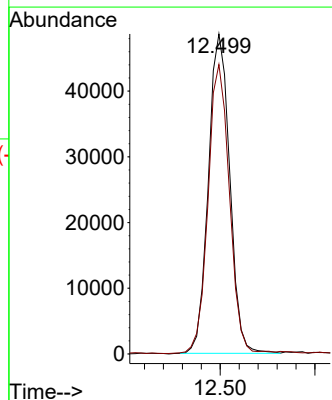
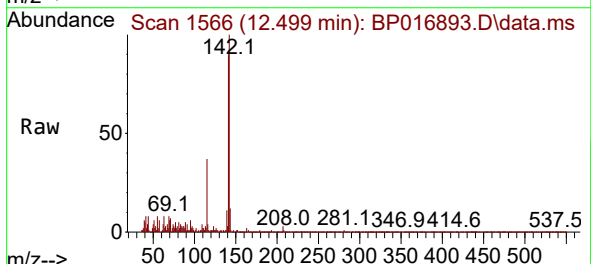
Manual Integrations
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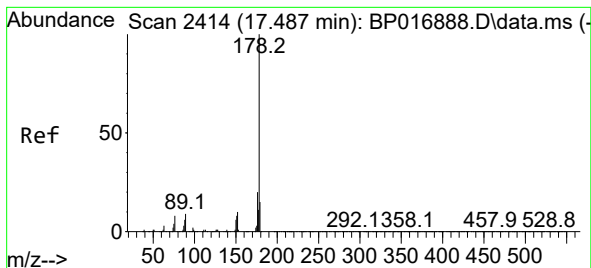
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#36
2-Methylnaphthalene
Concen: 1.181 ng/ul
RT: 12.499 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BP016893.D
Acq: 31 Aug 2023 12:28

Tgt Ion:142 Resp: 76140
Ion Ratio Lower Upper
142 100
141 90.5 71.4 107.0





#72

Phenanthrene

Concen: 1.623 ng/ul

RT: 17.487 min Scan# 2414

Delta R.T. 0.000 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Instrument :

BNP_P

ClientSampleId :

EZYL1

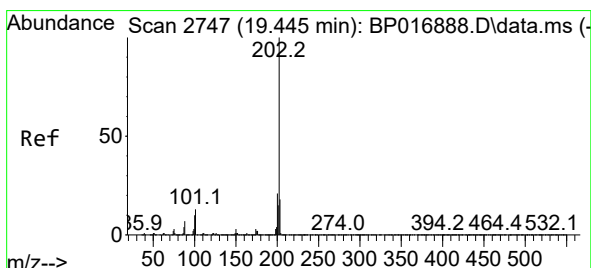
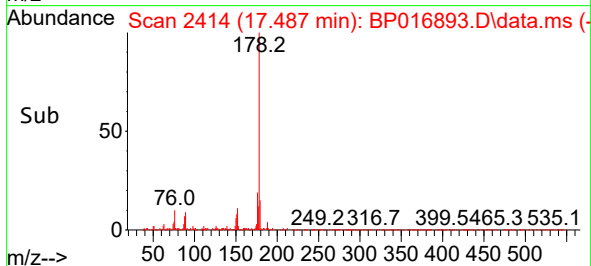
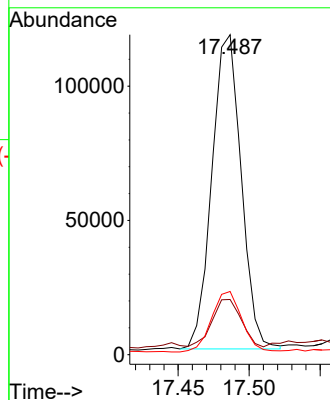
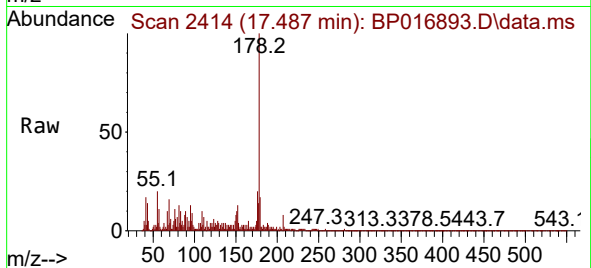
Tgt Ion:178 Resp: 167935
 Ion Ratio Lower Upper
 178 100
 179 17.3 12.4 18.6
 176 19.8 15.6 23.4

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#80

Fluoranthene

Concen: 4.208 ng/ul

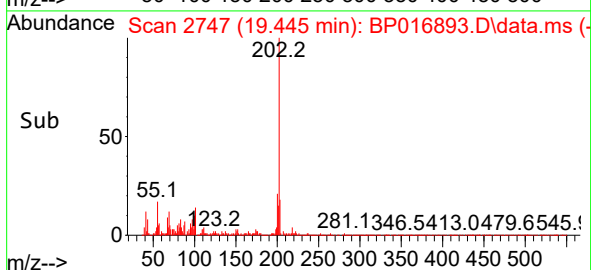
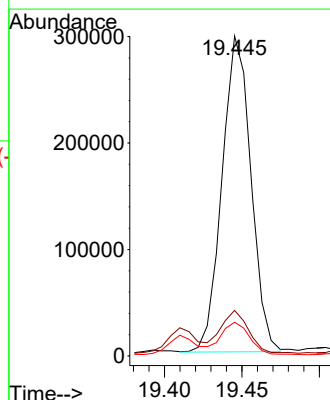
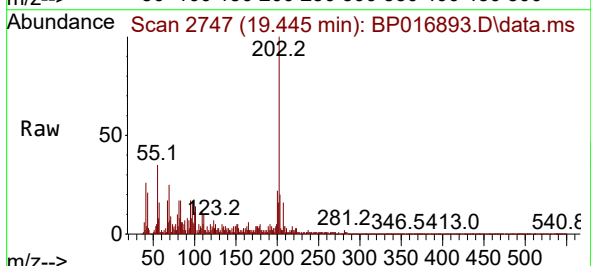
RT: 19.445 min Scan# 2747

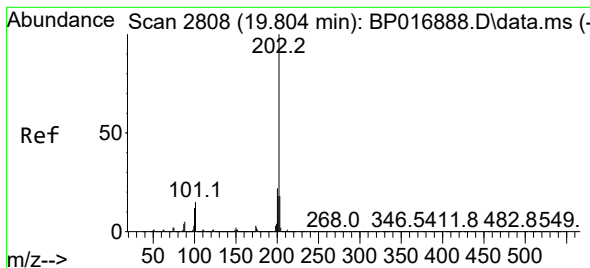
Delta R.T. -0.006 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Tgt Ion:202 Resp: 385209
 Ion Ratio Lower Upper
 202 100
 101 14.3 9.7 14.5
 100 10.6 7.4 11.2





#82

Pyrene

Concen: 5.988 ng/ul

RT: 19.804 min Scan# 2808

Delta R.T. -0.006 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Instrument :

BNA_P

ClientSampleId :

EZYL1

Tgt Ion:202 Resp: 566249

Ion Ratio Lower Upper

202 100

101 14.9 11.4 17.2

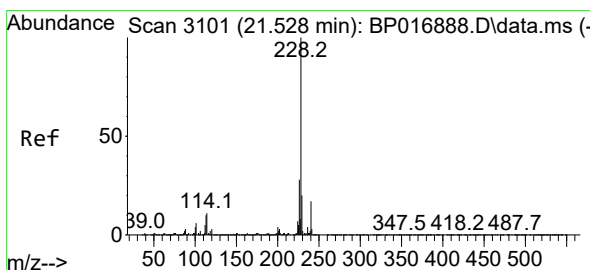
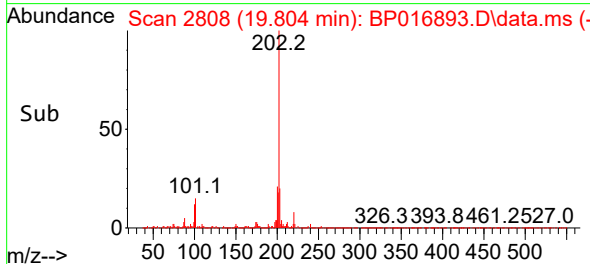
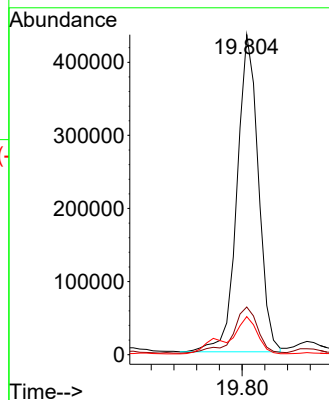
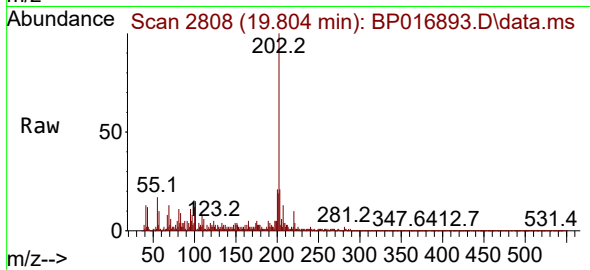
100 11.9 9.4 14.2

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#85

Benzo(a)anthracene

Concen: 3.260 ng/ul

RT: 21.527 min Scan# 3101

Delta R.T. 0.000 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

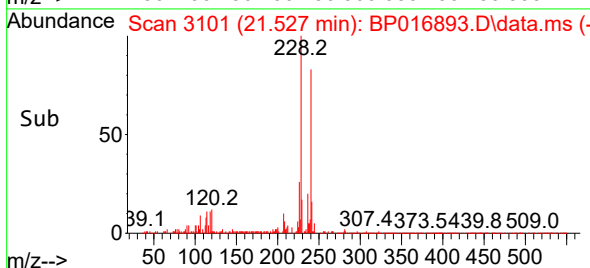
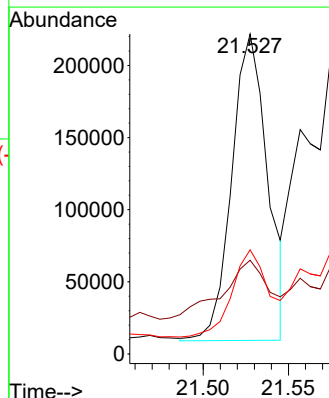
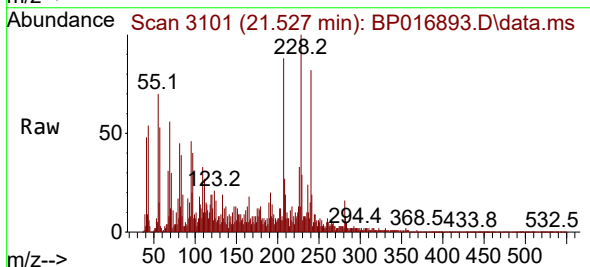
Tgt Ion:228 Resp: 311575

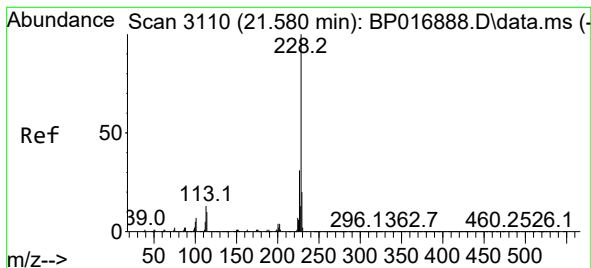
Ion Ratio Lower Upper

228 100

229 29.3 16.2 24.4#

226 32.6 22.9 34.3





#87

Chrysene

Concen: 6.081 ng/ul m

RT: 21.580 min Scan# 3110

Delta R.T. 0.000 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Instrument :

BNA_P

ClientSampleId :

EZYL1

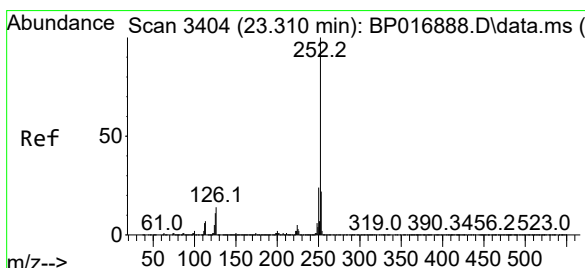
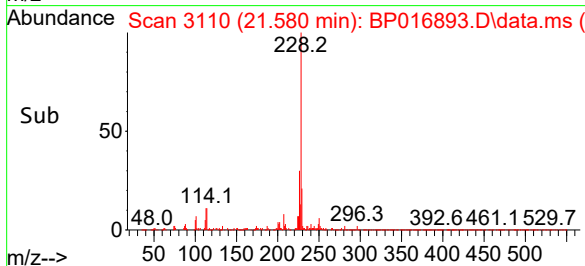
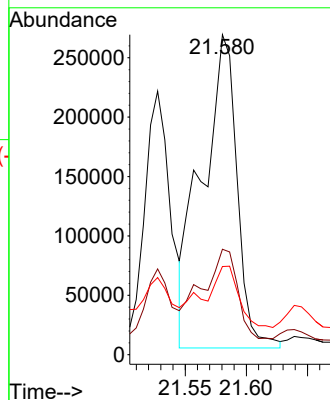
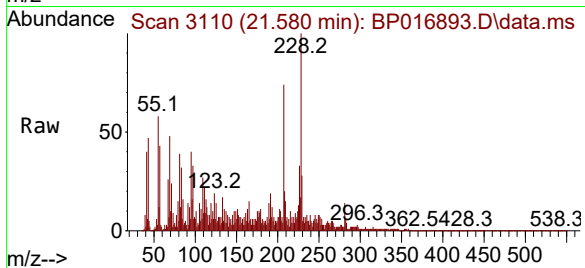
Tgt Ion:	228	Resp:	527899
Ion Ratio	Lower	Upper	
228	100		
226	33.0	25.0	37.4
229	27.5	16.0	24.0

Manual Integrations

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Supervised By :mohammad ahmed 09/01/2023



#90

Benzo(b)fluoranthene

Concen: 8.093 ng/ul

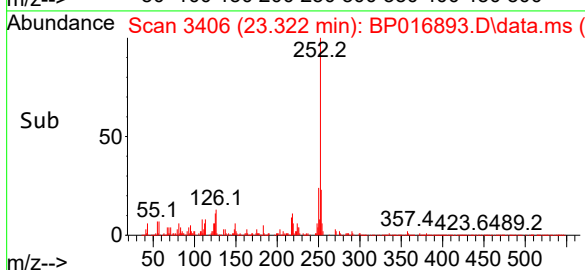
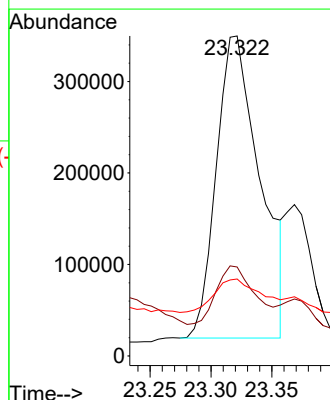
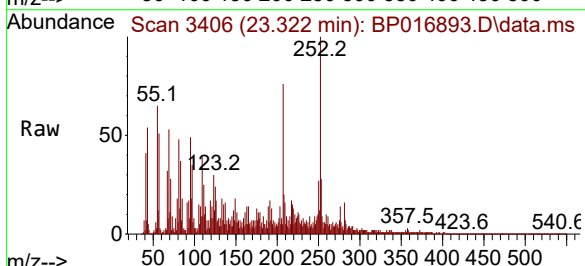
RT: 23.322 min Scan# 3406

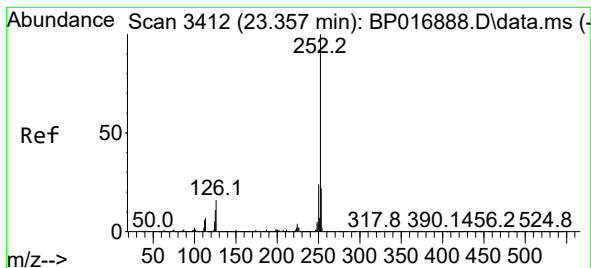
Delta R.T. 0.012 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Tgt Ion:	252	Resp:	823399
Ion Ratio	Lower	Upper	
252	100		
253	27.8	17.7	26.5#
125	24.1	9.0	13.4#





#91

Benzo(k)fluoranthene

Concen: 2.396 ng/ul m

RT: 23.369 min Scan# 3412

Delta R.T. 0.006 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Instrument :

BNA_P

ClientSampleId :

EZYL1

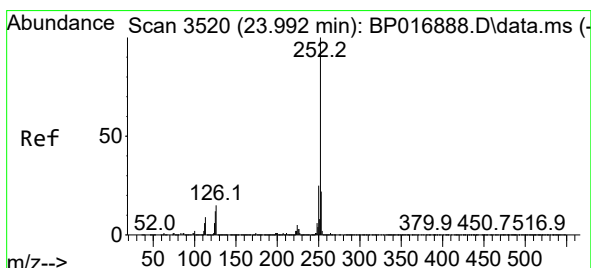
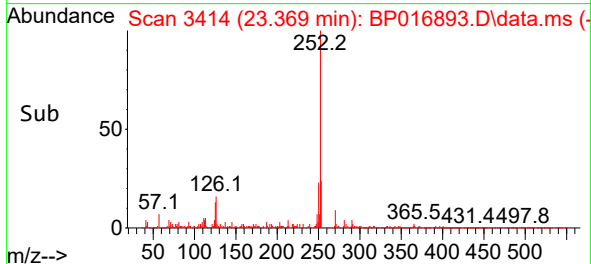
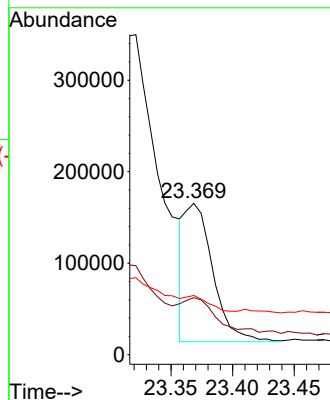
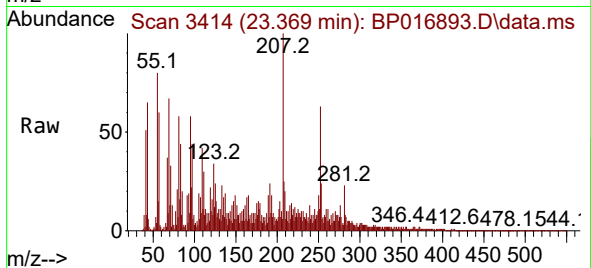
Tgt Ion:252 Resp: 241082
 Ion Ratio Lower Upper
 252 100
 253 37.6 18.1 27.1#
 125 39.1 8.9 13.3#

Manual Integrations

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Supervised By :mohammad ahmed 09/01/2023



#93

Benzo(a)pyrene

Concen: 6.817 ng/ul

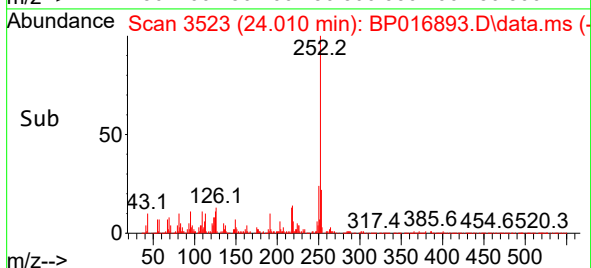
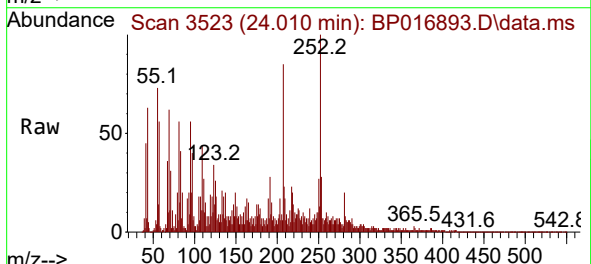
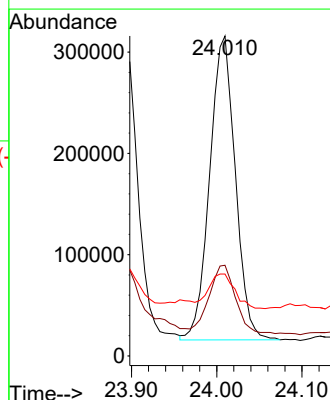
RT: 24.010 min Scan# 3523

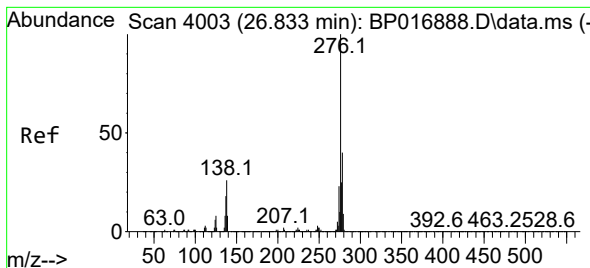
Delta R.T. 0.018 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Tgt Ion:252 Resp: 627351
 Ion Ratio Lower Upper
 252 100
 253 28.4 17.8 26.8#
 125 25.6 9.9 14.9#





#94

Indeno(1,2,3-cd)pyrene

Concen: 5.438 ng/ul

RT: 26.868 min Scan# 4009

Delta R.T. 0.035 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

Instrument :

BNA_P

ClientSampleId :

EZYL1

Tgt Ion:276 Resp: 51135

Ion Ratio Lower Upper

276 100

138 30.0 20.9 31.3

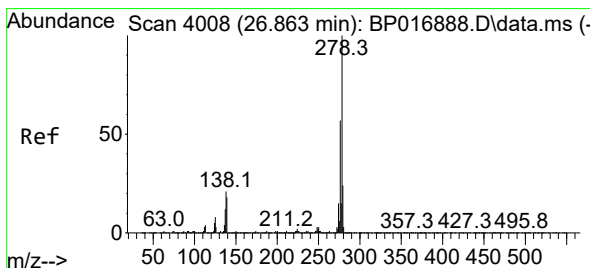
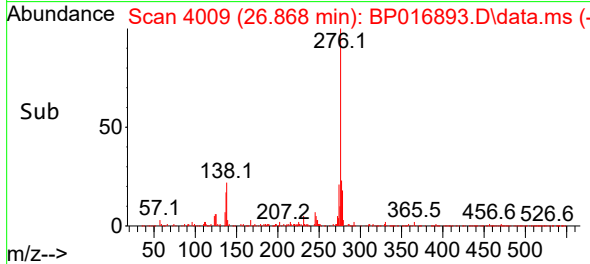
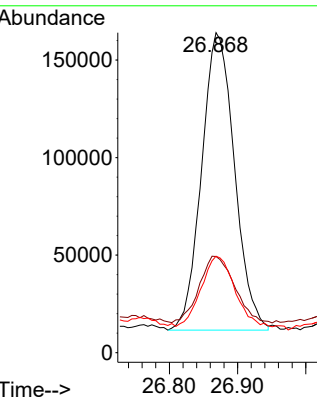
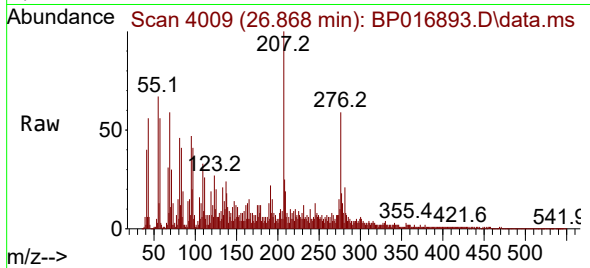
277 30.1 19.8 29.6

Manual Integrations

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Supervised By :mohammad ahmed 09/01/2023



#95

Dibenzo(a,h)anthracene

Concen: 2.067 ng/ul m

RT: 26.892 min Scan# 4013

Delta R.T. 0.030 min

Lab File: BP016893.D

Acq: 31 Aug 2023 12:28

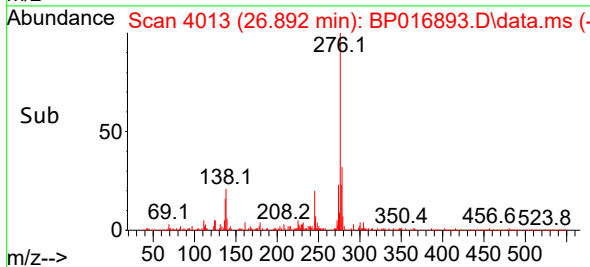
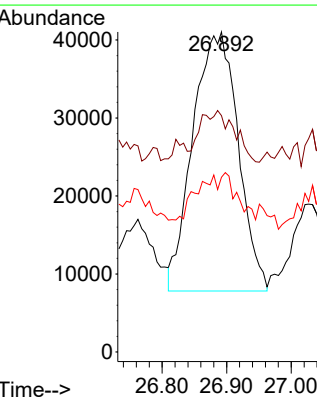
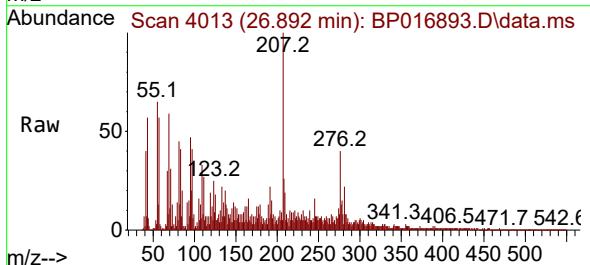
Tgt Ion:278 Resp: 161408

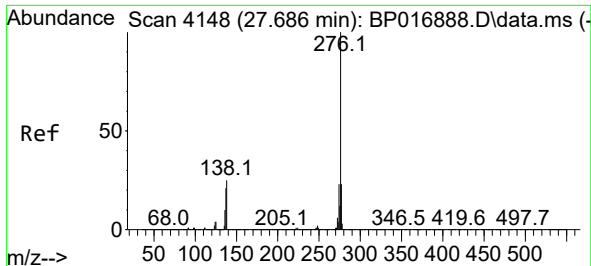
Ion Ratio Lower Upper

278 100

139 73.9 15.0 22.6#

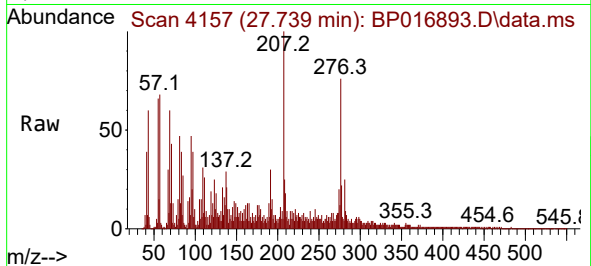
279 54.6 19.4 29.2#





#96
 Benzo(g,h,i)perylene
 Concen: 10.094 ng/ul
 RT: 27.739 min Scan# 4157
 Delta R.T. 0.053 min
 Lab File: BP016893.D
 Acq: 31 Aug 2023 12:28

Instrument :
 BNA_P
 ClientSampleId :
 EZYL1



Tgt Ion:276 Resp: 71962
 Ion Ratio Lower Upper
 276 100
 138 28.0 20.2 30.4
 277 28.9 19.3 28.9

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 Supervised By :mohammad ahmed 09/01/2023

