

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062023\
 Data File : BP015620.D
 Acq On : 20 Jun 2023 14:13
 Operator : MA/JU
 Sample : 03080-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFH0

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/22/2023

Quant Time: Jun 20 22:37:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 15 05:36:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.087	152	121767	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	533779	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	355324	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.486	188	866239	20.000	ng/u1	0.00
79) Chrysene-d12	21.574	240	837105	20.000	ng/u1	0.00
88) Perylene-d12	24.121	264	889451	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	6130m	1.864	ng/uL	0.00
4) Pyridine-d5	3.852	84	68305	7.997	ng/u1	0.00
7) Phenol-d5	7.246	99	145297	12.952	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.410	67	88800	13.255	ng/u1	0.00
11) 2-Chlorophenol-d4	7.610	132	116781	14.358	ng/u1	0.00
15) 4-Methylphenol-d8	8.804	113	95369	10.359	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	58853	14.044	ng/u1	0.00
24) 2-Nitrophenol-d4	9.993	143	66644	13.926	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	117957	13.512	ng/u1	0.00
31) 4-Chloroaniline-d4	11.069	131	73108	5.834	ng/u1	0.01
46) Dimethylphthalate-d6	14.134	166	406339	14.502	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	467140	15.247	ng/u1	0.00
54) 4-Nitrophenol-d4	14.963	143	41696	8.310	ng/u1	0.03
60) Fluorene-d10	15.722	176	364069	15.408	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.857	200	44555	8.119	ng/u1	0.00
73) Anthracene-d10	17.586	188	598575	15.187	ng/u1	0.00
81) Pyrene-d10	19.810	212	784336	17.506	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.957	264	690606	15.474	ng/u1	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	14.451	152	99489	2.932	ng/u1	97
61) Fluorene	15.781	166	30500	1.126	ng/u1#	99
72) Phenanthrene	17.533	178	956194	20.570	ng/u1	99
74) Anthracene	17.622	178	248189	5.262	ng/u1	99
80) Fluoranthene	19.486	202	2734294	50.102	ng/u1	99
82) Pyrene	19.845	202	2311467	40.939	ng/u1	96
85) Benzo(a)anthracene	21.557	228	1367685	23.371	ng/u1	99
87) Chrysene	21.610	228	1311745	23.714	ng/u1	97
90) Benzo(b)fluoranthene	23.339	252	1680059	29.262	ng/u1	98
91) Benzo(k)fluoranthene	23.386	252	514047m	9.262	ng/u1	
93) Benzo(a)pyrene	24.010	252	1034220	20.661	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.821	276	716777	11.064	ng/u1	97
95) Dibenzo(a,h)anthracene	26.827	278	197924	3.750	ng/u1#	77
96) Benzo(g,h,i)perylene	27.656	276	627698	11.758	ng/u1	97

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

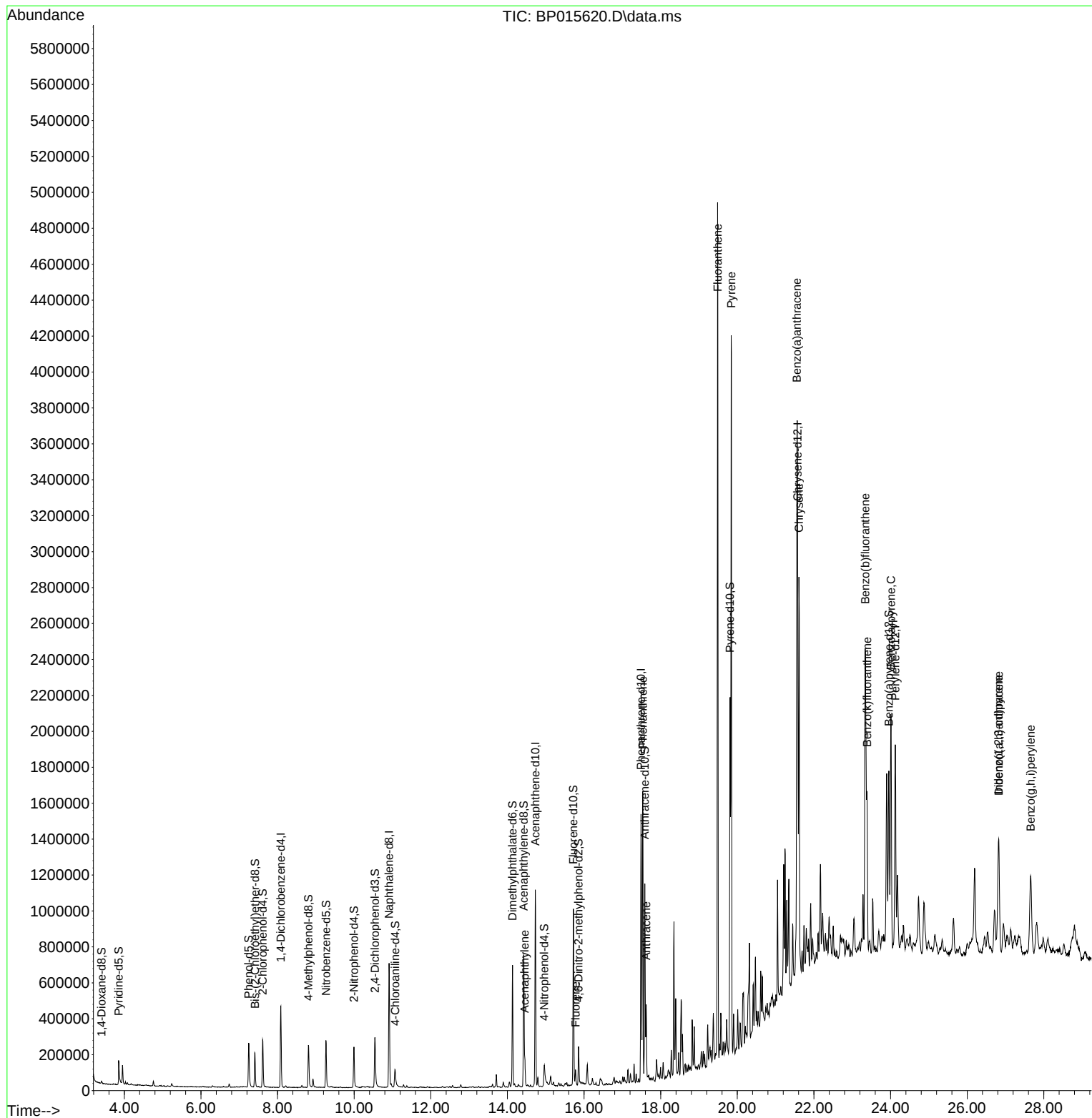
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062023\
 Data File : BP015620.D
 Acq On : 20 Jun 2023 14:13
 Operator : MA/JU
 Sample : 03080-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

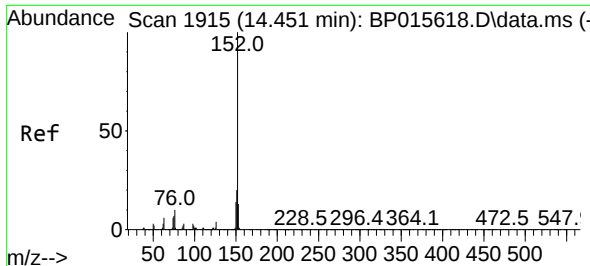
Instrument :
 BNA_P
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Quant Time: Jun 20 22:37:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
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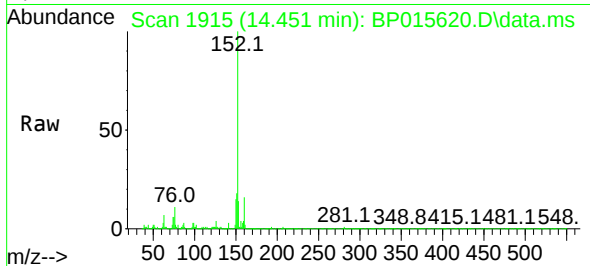
Reviewed By :Yogesh Patel 06/21/2023
 Supervised By :mohammad ahmed 06/22/2023





#50
Acenaphthylene
Concen: 2.932 ng/ul
RT: 14.451 min Scan# 1915
Delta R.T. -0.000 min
Lab File: BP015620.D
Acq: 20 Jun 2023 14:13

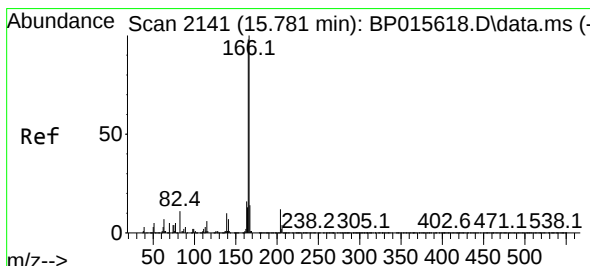
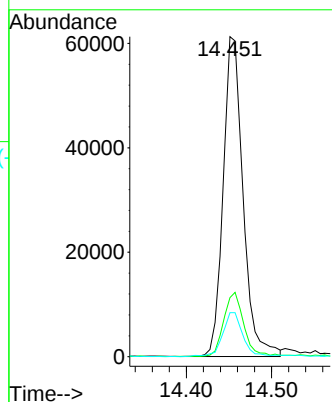
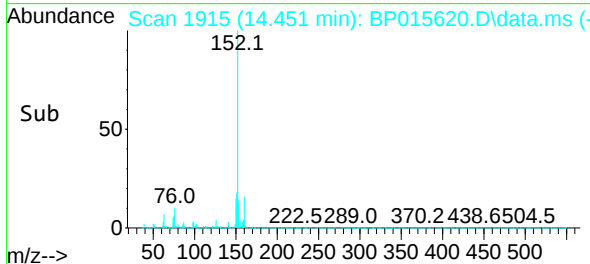
Instrument :
BNA_P
ClientSampleId :
DCFH0



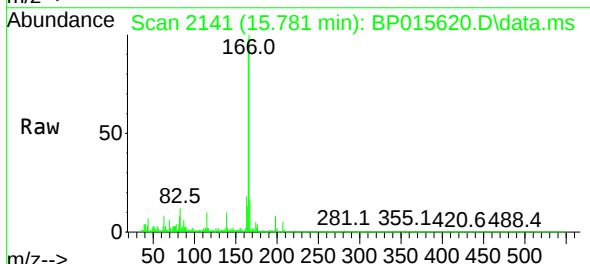
Tgt Ion:152 Resp: 99489
Ion Ratio Lower Upper
152 100
151 18.5 16.0 24.0
153 13.8 10.6 15.8

Manual Integrations
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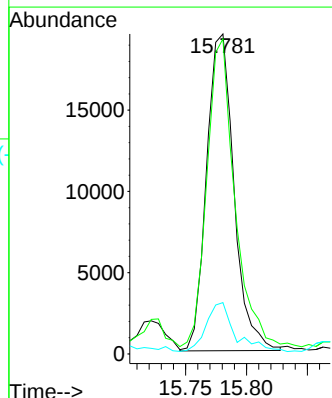
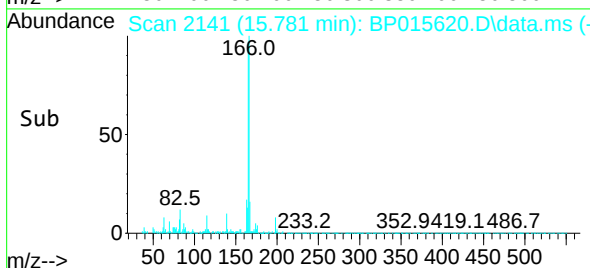
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/22/2023

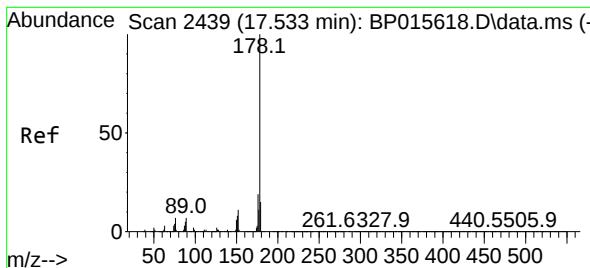


#61
Fluorene
Concen: 1.126 ng/ul
RT: 15.781 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BP015620.D
Acq: 20 Jun 2023 14:13



Tgt Ion:166 Resp: 30500
Ion Ratio Lower Upper
166 100
165 98.5 79.1 118.7
167 16.0 10.6 16.0#





#72

Phenanthrene

Concen: 20.570 ng/ul

RT: 17.533 min Scan# 2439

Delta R.T. 0.006 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

Instrument :

BNA_P

ClientSampleId :

DCFH0

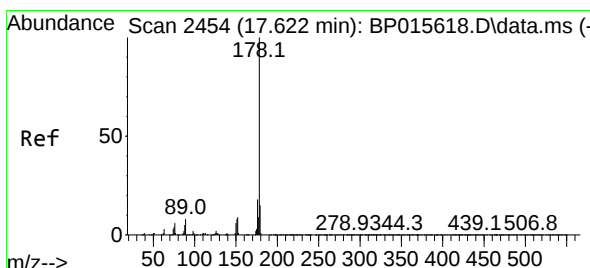
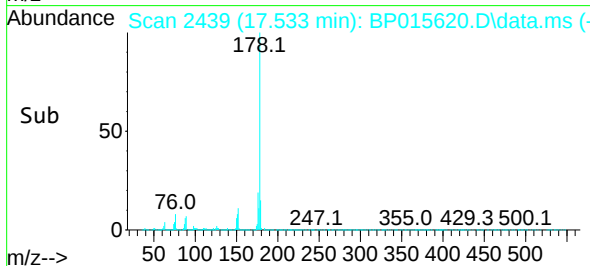
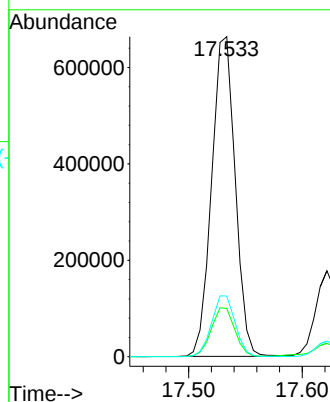
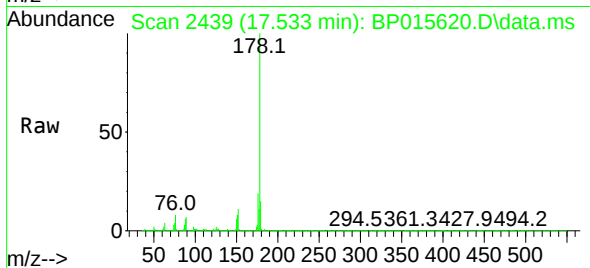
Tgt Ion:178 Resp: 956194
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.3 18.5
 176 19.0 15.4 23.0

Manual Integrations

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#74

Anthracene

Concen: 5.262 ng/ul

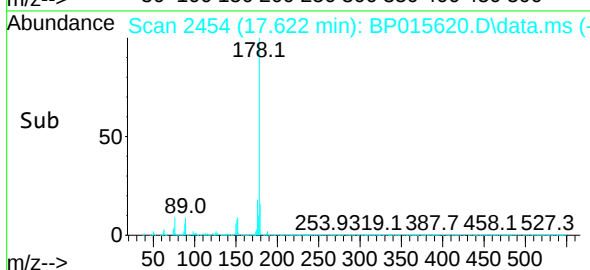
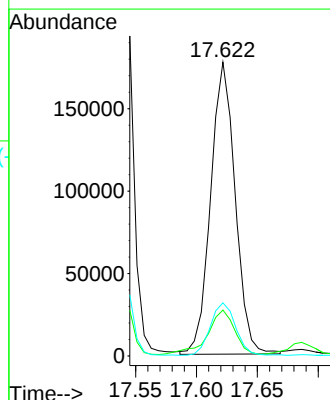
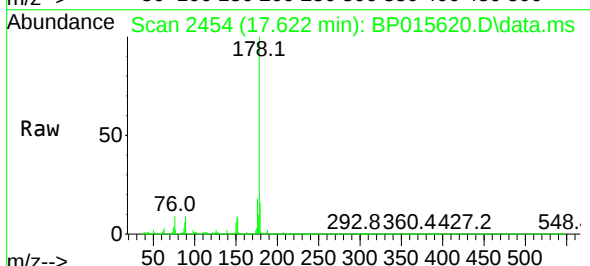
RT: 17.622 min Scan# 2454

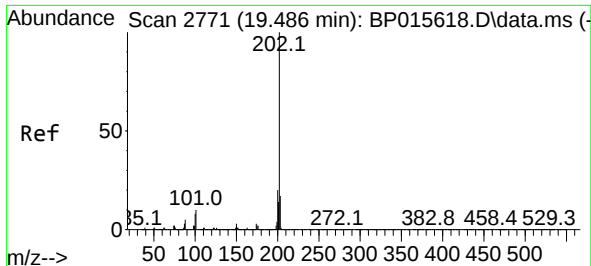
Delta R.T. -0.000 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

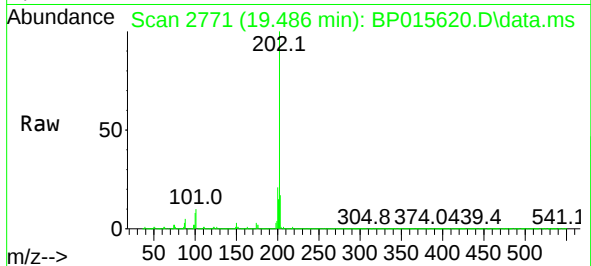
Tgt Ion:178 Resp: 248189
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.4 18.6
 176 18.1 15.0 22.4





#80
Fluoranthene
Concen: 50.102 ng/u1
RT: 19.486 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP015620.D
Acq: 20 Jun 2023 14:13

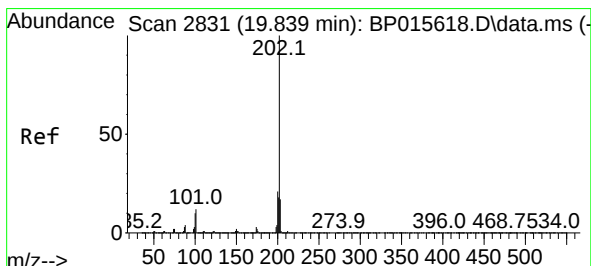
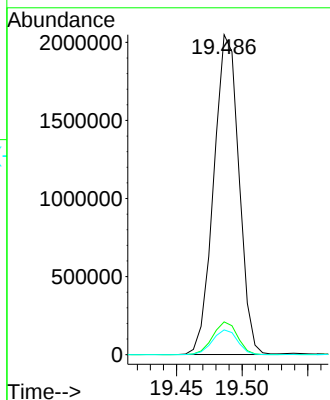
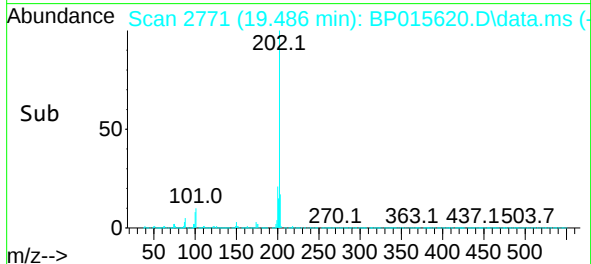
Instrument :
BNA_P
ClientSampleId :
DCFH0



Tgt Ion:202 Resp: 2734294
Ion Ratio Lower Upper
202 100
101 10.2 8.6 13.0
100 7.8 6.6 9.8

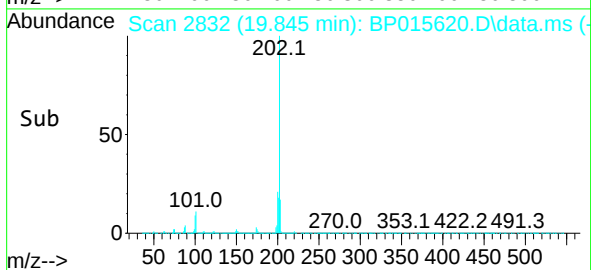
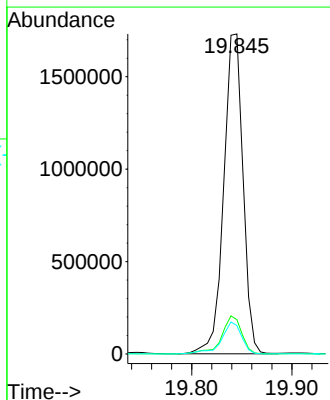
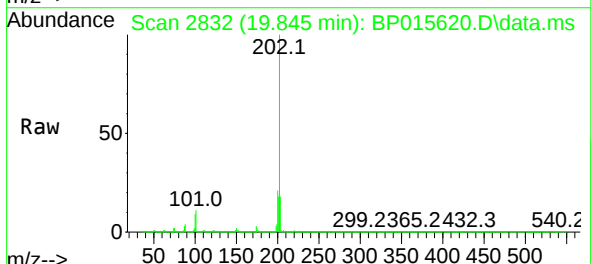
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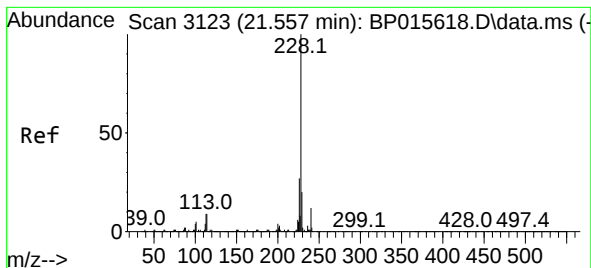
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/22/2023



#82
Pyrene
Concen: 40.939 ng/u1
RT: 19.845 min Scan# 2832
Delta R.T. 0.006 min
Lab File: BP015620.D
Acq: 20 Jun 2023 14:13

Tgt Ion:202 Resp: 2311467
Ion Ratio Lower Upper
202 100
101 10.7 9.9 14.9
100 8.8 8.4 12.6





#85

Benzo(a)anthracene

Concen: 23.371 ng/u1

RT: 21.557 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

Instrument :

BNA_P

ClientSampleId :

DCFH0

Tgt Ion:228 Resp: 136768

Ion Ratio Lower Upper

228 100

229 20.5 15.8 23.6

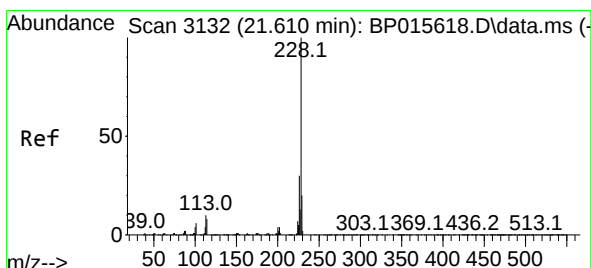
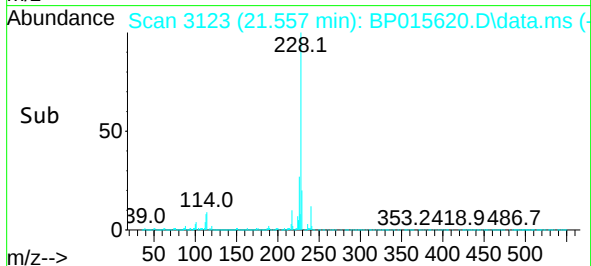
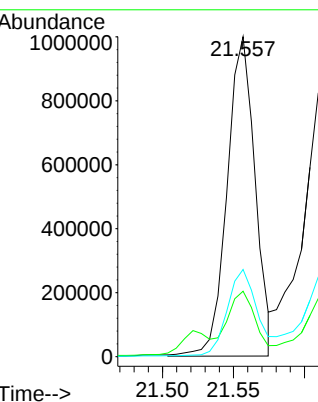
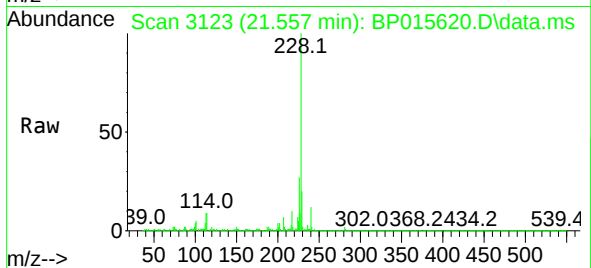
226 27.2 21.8 32.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/22/2023



#87

Chrysene

Concen: 23.714 ng/u1

RT: 21.610 min Scan# 3132

Delta R.T. -0.000 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

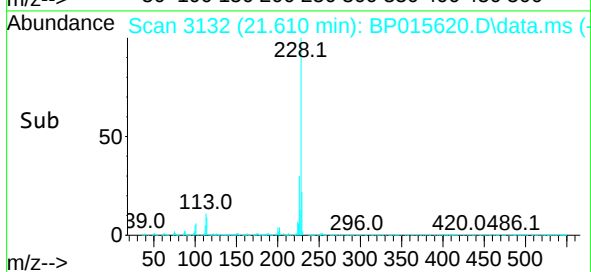
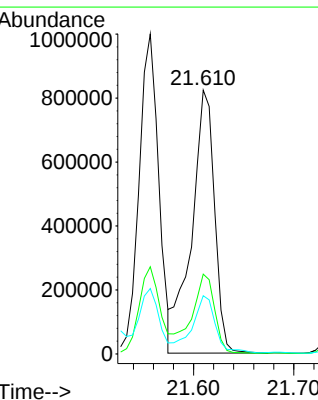
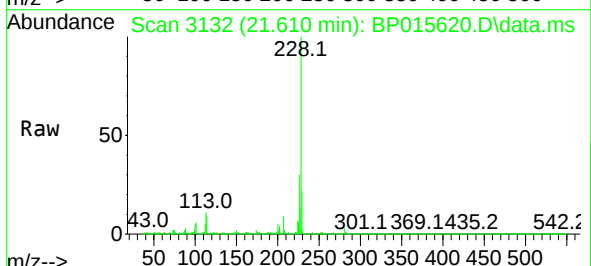
Tgt Ion:228 Resp: 1311745

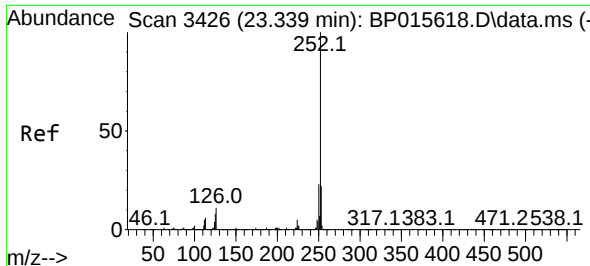
Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

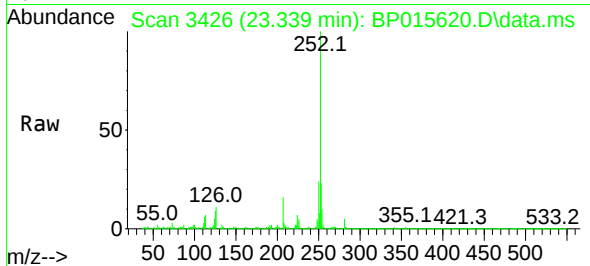
229 22.1 15.1 22.7





#90
Benzo(b)fluoranthene
Concen: 29.262 ng/ul
RT: 23.339 min Scan# 3426
Delta R.T. 0.012 min
Lab File: BP015620.D
Acq: 20 Jun 2023 14:13

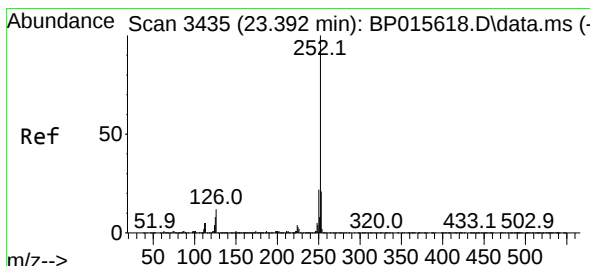
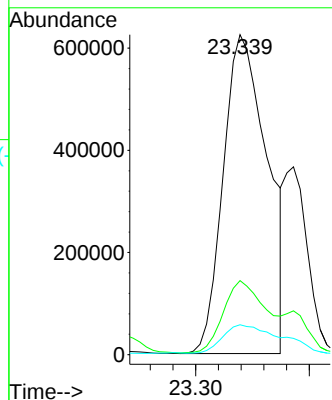
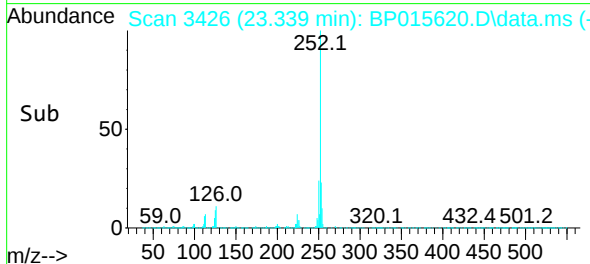
Instrument :
BNA_P
ClientSampleId :
DCFH0



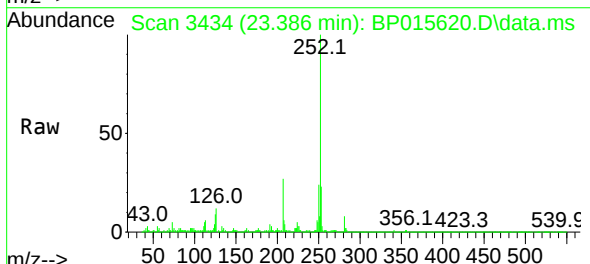
Tgt Ion:252 Resp: 1680059
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 9.4 7.3 10.9

Manual Integrations
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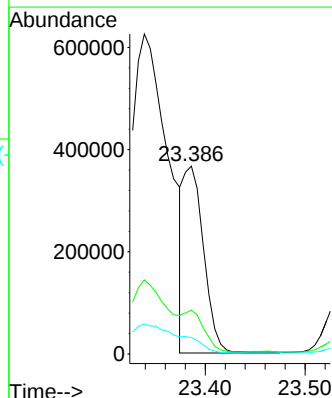
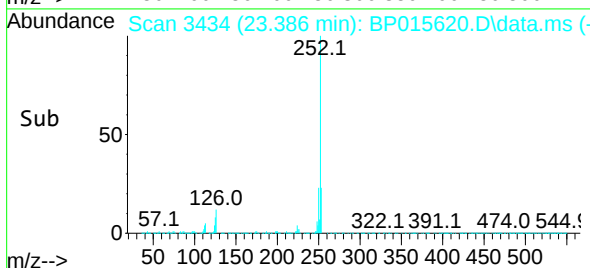
Reviewed By :Yogesh Patel 06/21/2023
Supervised By :mohammad ahmed 06/22/2023

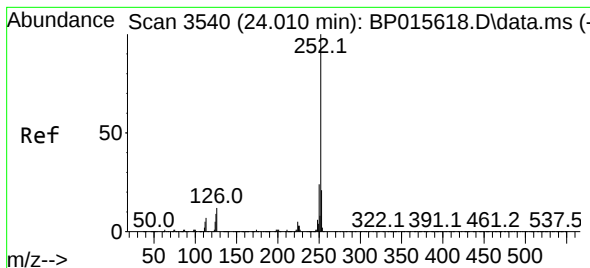


#91
Benzo(k)fluoranthene
Concen: 9.262 ng/ul m
RT: 23.386 min Scan# 3434
Delta R.T. 0.006 min
Lab File: BP015620.D
Acq: 20 Jun 2023 14:13



Tgt Ion:252 Resp: 514047
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 8.7 7.3 10.9





#93

Benzo(a)pyrene

Concen: 20.661 ng/ul

RT: 24.010 min Scan# 3540

Delta R.T. 0.006 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

Instrument :

BNA_P

ClientSampleId :

DCFH0

Tgt Ion:252 Resp: 1034220

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

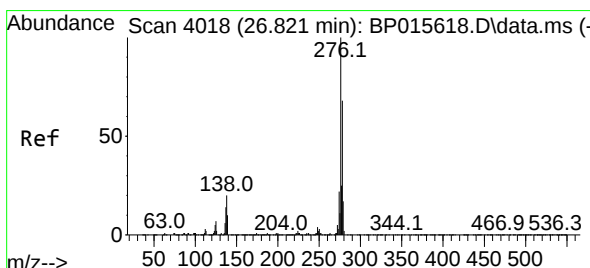
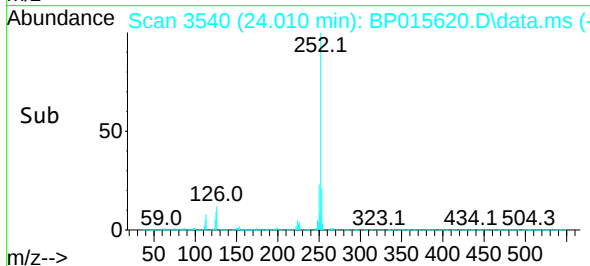
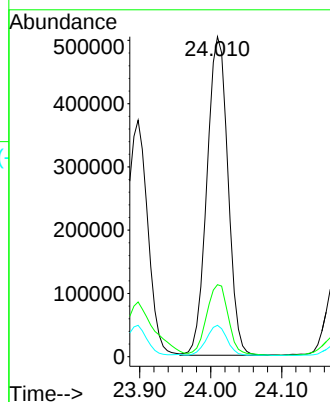
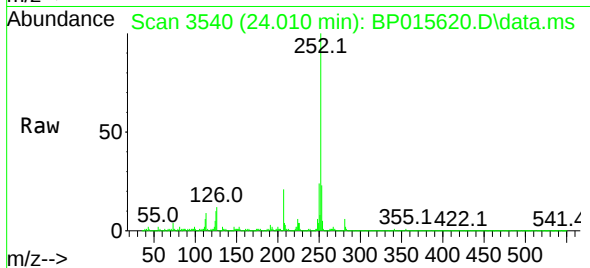
125 9.8 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/22/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 11.064 ng/ul

RT: 26.821 min Scan# 4018

Delta R.T. 0.012 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

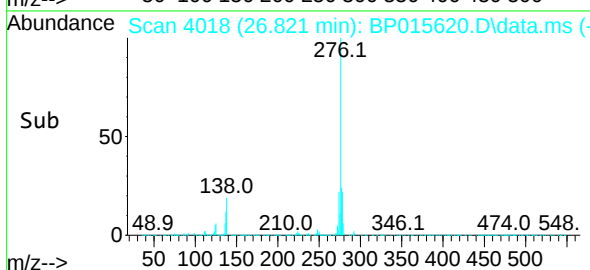
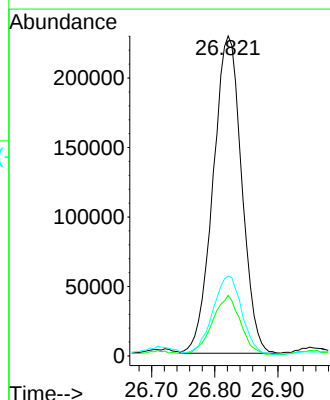
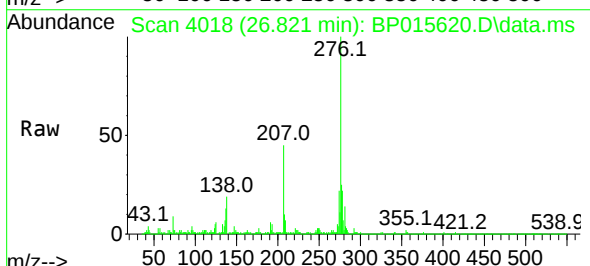
Tgt Ion:276 Resp: 716777

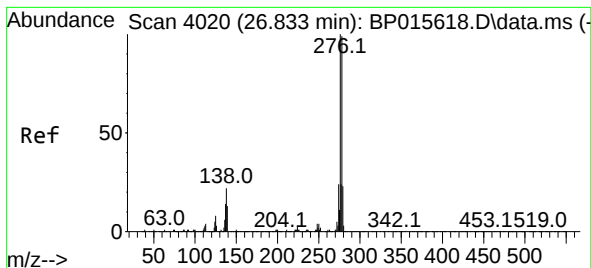
Ion Ratio Lower Upper

276 100

138 18.9 17.3 25.9

277 25.0 20.2 30.2





#95

Dibenzo(a,h)anthracene

Concen: 3.750 ng/ul

RT: 26.827 min Scan# 4020

Delta R.T. -0.000 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

Instrument :

BNP_P

ClientSampleId :

DCFH0

Tgt Ion:278 Resp: 197924

Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0

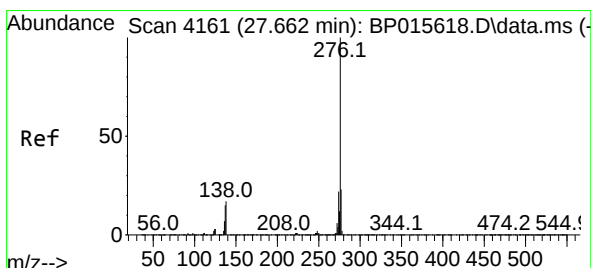
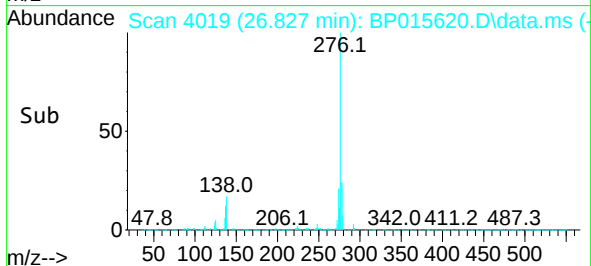
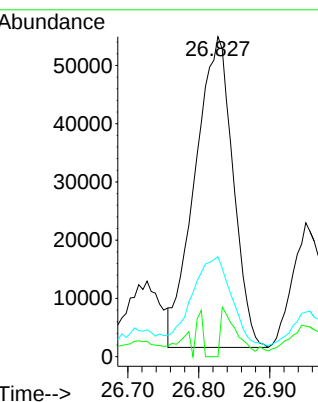
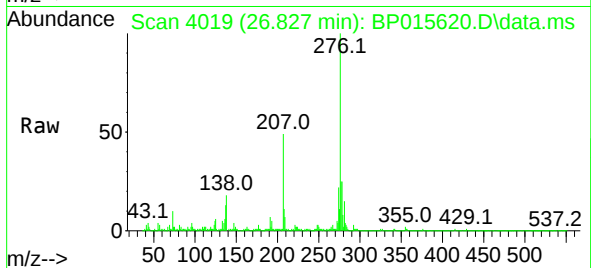
279 31.3 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/21/2023

Supervised By :mohammad ahmed 06/22/2023



#96

Benzo(g,h,i)perylene

Concen: 11.758 ng/ul

RT: 27.656 min Scan# 4160

Delta R.T. 0.018 min

Lab File: BP015620.D

Acq: 20 Jun 2023 14:13

Tgt Ion:276 Resp: 627698

Ion Ratio Lower Upper

276 100

138 17.3 15.6 23.4

277 23.2 19.0 28.6

