

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061923\
 Data File : BP015607.D
 Acq On : 19 Jun 2023 17:13
 Operator : MA/JU
 Sample : 03080-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFJ1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/20/2023
 Supervised By :mohammad ahmed 06/21/2023

Quant Time: Jun 19 23:14:21 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	8.081	152	125811	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	559215	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	365778	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.481	188	838696	20.000	ng/u1	0.00
79) Chrysene-d12	21.563	240	721417	20.000	ng/u1	0.00
88) Perylene-d12	24.110	264	721560	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.405	96	11387	3.352	ng/uL	0.00
4) Pyridine-d5	3.852	84	112622	12.762	ng/u1	0.00
7) Phenol-d5	7.240	99	242872	20.954	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.405	67	156250	22.573	ng/u1	0.00
11) 2-Chlorophenol-d4	7.611	132	197782	23.536	ng/u1	0.00
15) 4-Methylphenol-d8	8.799	113	178737	18.790	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	101360	23.087	ng/u1	0.00
24) 2-Nitrophenol-d4	9.987	143	114786	22.894	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.534	165	198638	21.719	ng/u1	0.00
31) 4-Chloroaniline-d4	11.063	131	101457	7.728	ng/u1	0.00
46) Dimethylphthalate-d6	14.134	166	672446	23.313	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	770135	24.418	ng/u1	0.00
54) 4-Nitrophenol-d4	14.951	143	75662	14.648	ng/u1	0.02
60) Fluorene-d10	15.716	176	578598	23.788	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.851	200	98441	18.528	ng/u1	0.00
73) Anthracene-d10	17.581	188	910692	23.865	ng/u1	0.00
81) Pyrene-d10	19.804	212	1090210	28.235	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.945	264	884248	24.423	ng/u1	0.00
Target Compounds					Qvalue	
50) Acenaphthylene	14.451	152	73851	2.114	ng/u1	100
72) Phenanthrene	17.528	178	705142	15.667	ng/u1	99
74) Anthracene	17.616	178	140892	3.085	ng/u1	98
80) Fluoranthene	19.481	202	2397020	50.965	ng/u1	99
82) Pyrene	19.834	202	1984098	40.776	ng/u1	99
85) Benzo(a)anthracene	21.545	228	1061538	21.049	ng/u1	99
87) Chrysene	21.604	228	1171023m	24.565	ng/u1	
90) Benzo(b)fluoranthene	23.333	252	1648820	35.400	ng/u1	98
91) Benzo(k)fluoranthene	23.375	252	515637	11.453	ng/u1	96
93) Benzo(a)pyrene	23.998	252	1053551	25.944	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.798	276	818835	15.581	ng/u1	96
95) Dibenzo(a,h)anthracene	26.810	278	205995	4.811	ng/u1#	78
96) Benzo(g,h,i)perylene	27.639	276	722780	16.689	ng/u1	99

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

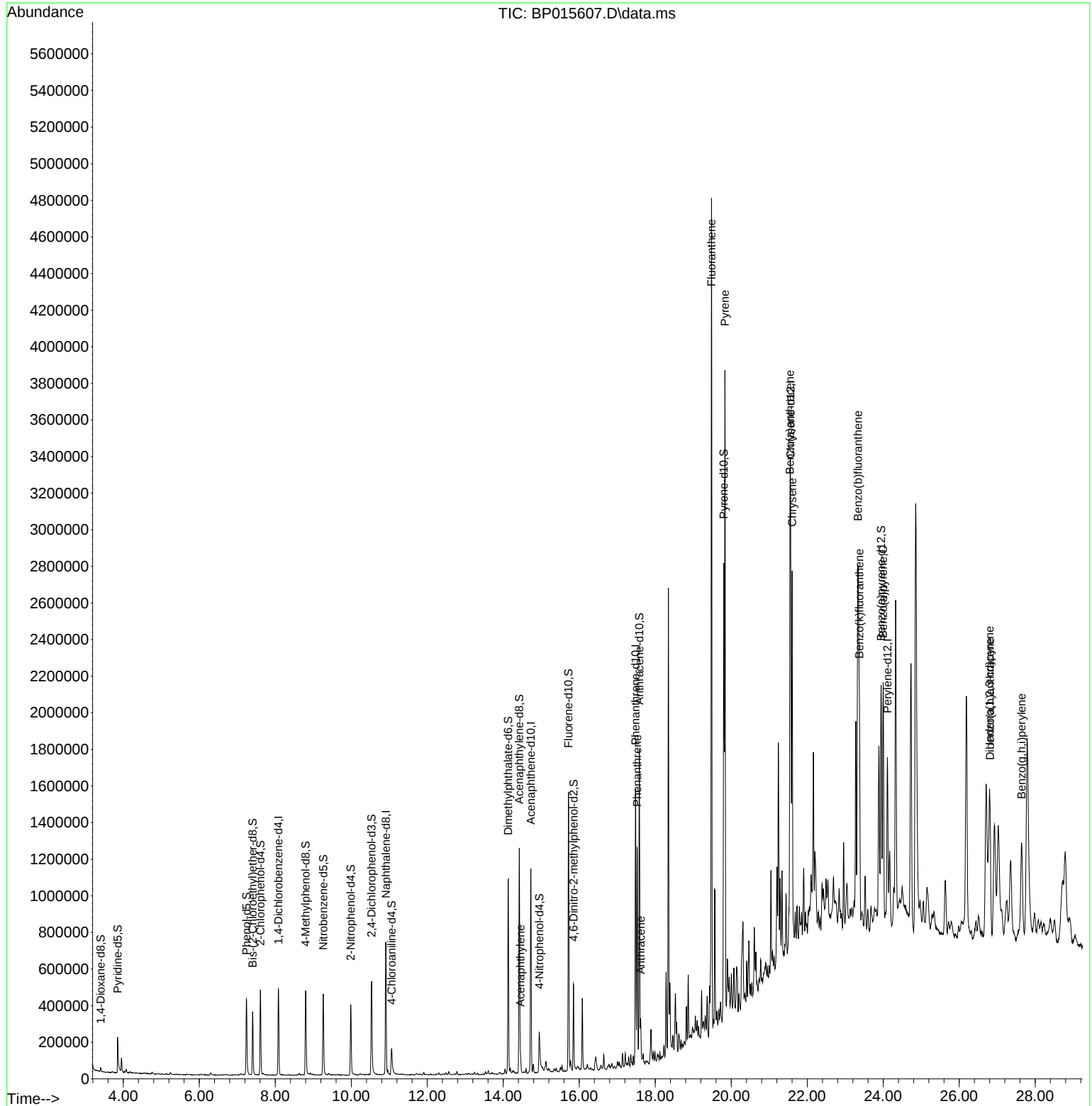
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP061923\
Data File : BP015607.D
Acq On : 19 Jun 2023 17:13
Operator : MA/JU
Sample : 03080-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

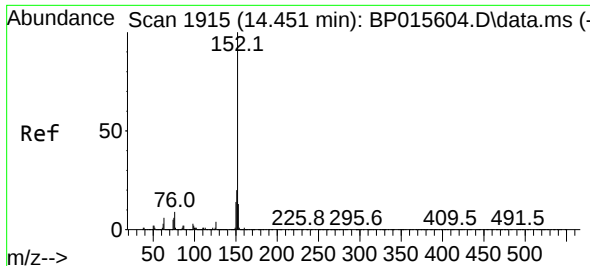
Instrument :
BNA_P
ClientSampleId :
DCFJ1

Quant Time: Jun 19 23:14:21 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

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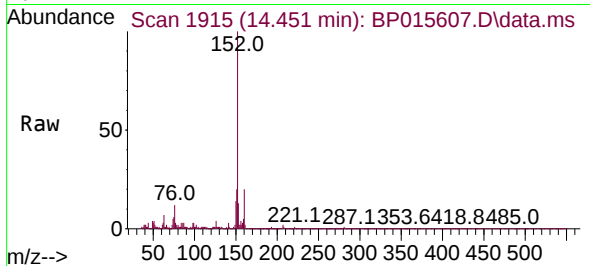
Reviewed By :Yogesh Patel 06/20/2023
Supervised By :mohammad ahmed 06/21/2023





#50
Acenaphthylene
Concen: 2.114 ng/ul
RT: 14.451 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP015607.D
Acq: 19 Jun 2023 17:13

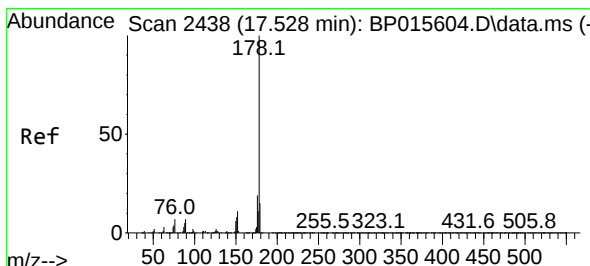
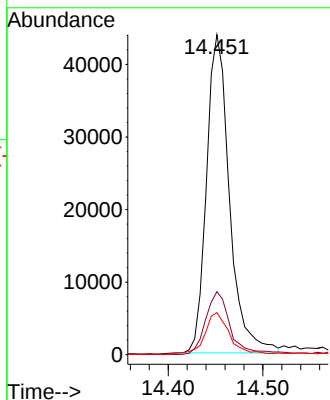
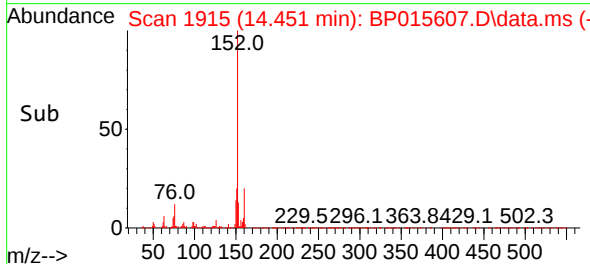
Instrument :
BNA_P
ClientSampleId :
DCFJ1



Tgt Ion:152 Resp: 7385
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.2 10.6 15.8

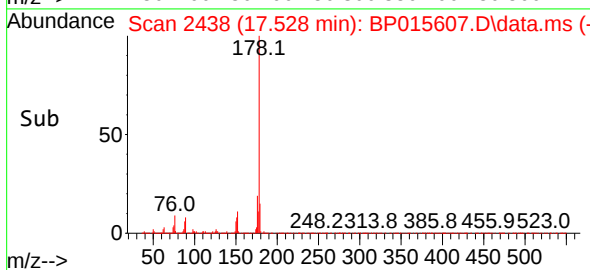
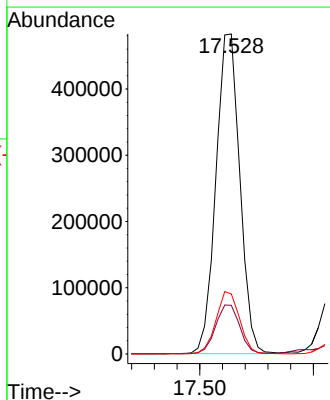
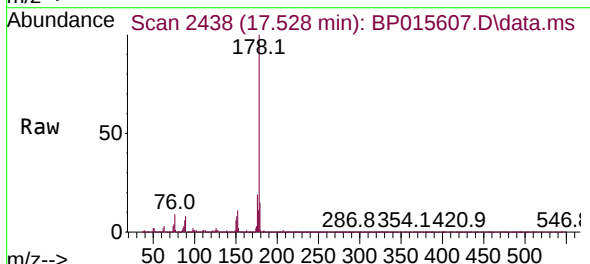
Manual Integrations
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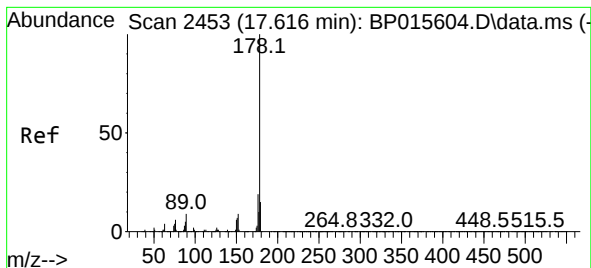
Reviewed By :Yogesh Patel 06/20/2023
Supervised By :mohammad ahmed 06/21/2023



#72
Phenanthrene
Concen: 15.667 ng/ul
RT: 17.528 min Scan# 2438
Delta R.T. 0.000 min
Lab File: BP015607.D
Acq: 19 Jun 2023 17:13

Tgt Ion:178 Resp: 705142
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 18.8 15.4 23.0





#74

Anthracene

Concen: 3.085 ng/ul

RT: 17.616 min Scan# 2453

Delta R.T. -0.006 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

Instrument :

BNA_P

ClientSampleId :

DCFJ1

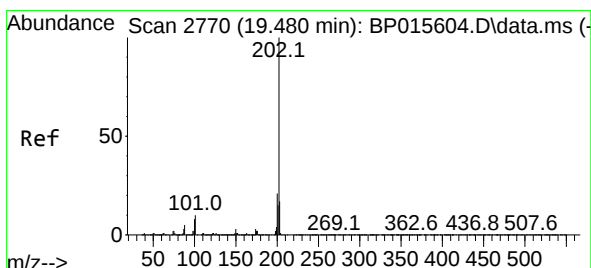
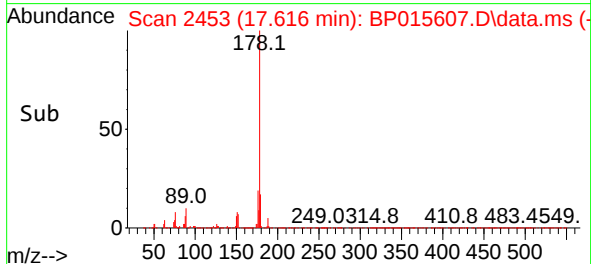
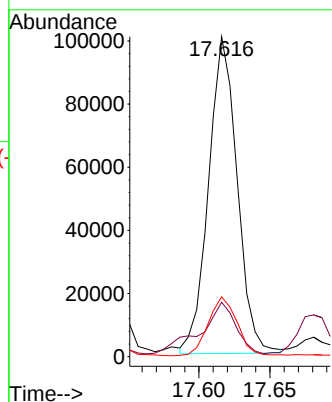
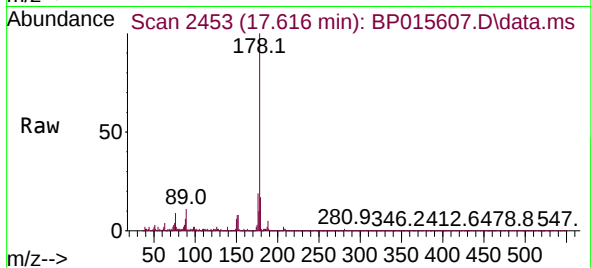
Tgt Ion:178	Resp: 140892
Ion Ratio	Lower Upper
178 100	
179 17.0	12.4 18.6
176 18.7	15.0 22.4

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#80

Fluoranthene

Concen: 50.965 ng/ul

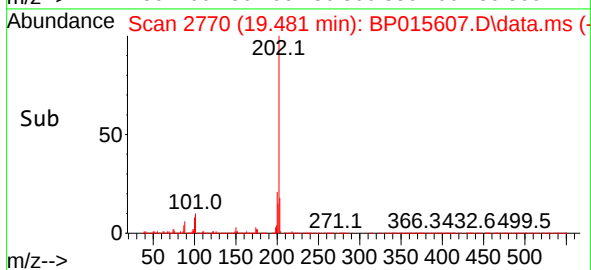
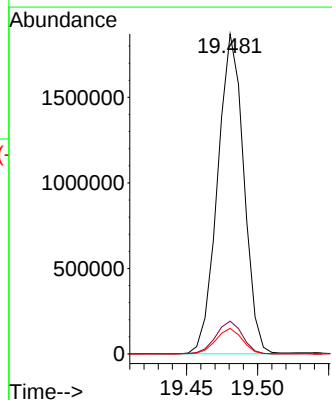
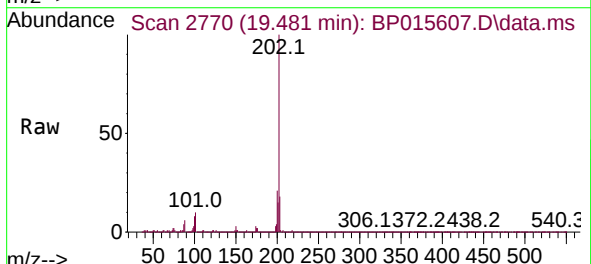
RT: 19.481 min Scan# 2770

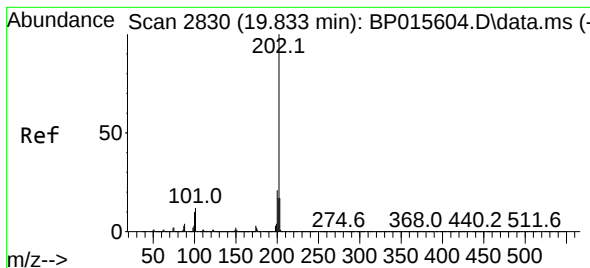
Delta R.T. -0.006 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

Tgt Ion:202	Resp: 2397020
Ion Ratio	Lower Upper
202 100	
101 10.2	8.6 13.0
100 8.0	6.6 9.8





#82

Pyrene

Concen: 40.776 ng/ul

RT: 19.834 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

Instrument :

BNA_P

ClientSampleId :

DCFJ1

Tgt Ion:202 Resp: 1984098

Ion Ratio Lower Upper

202 100

101 12.1 9.9 14.9

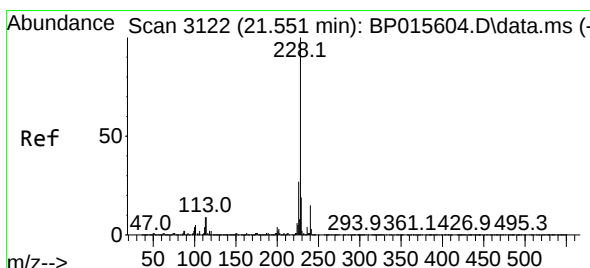
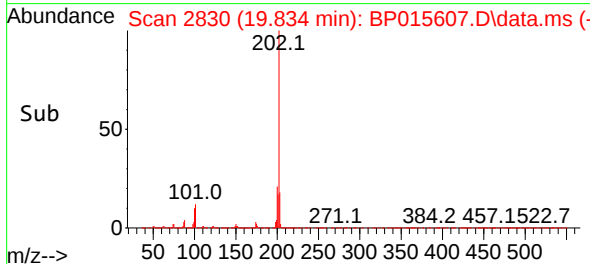
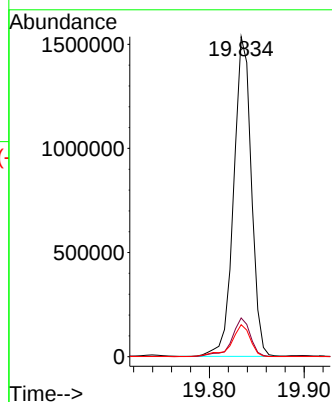
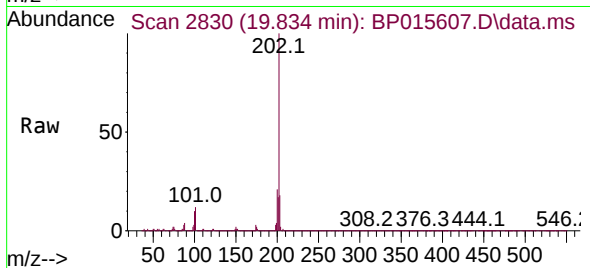
100 10.0 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#85

Benzo(a)anthracene

Concen: 21.049 ng/ul

RT: 21.545 min Scan# 3121

Delta R.T. -0.006 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

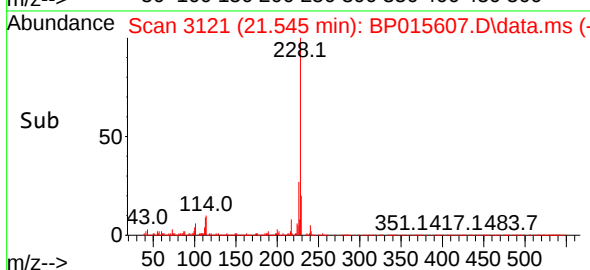
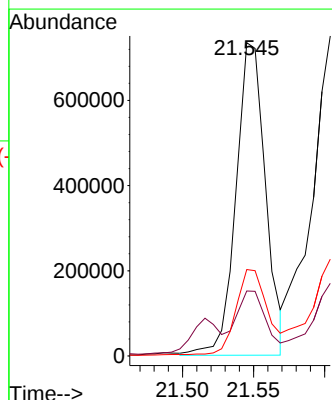
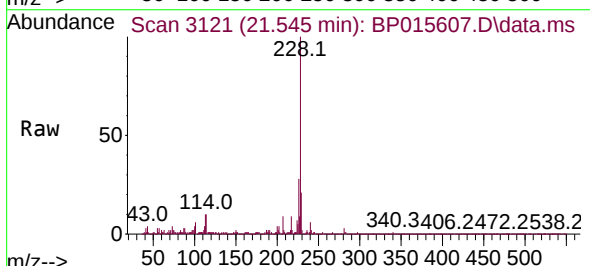
Tgt Ion:228 Resp: 1061538

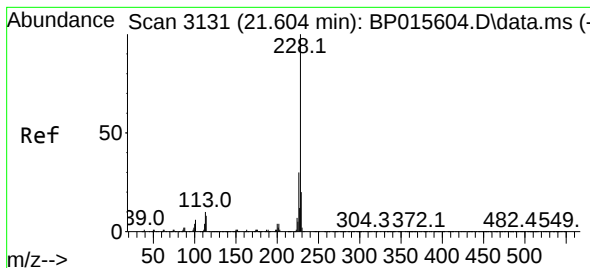
Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

226 27.6 21.8 32.6





#87

Chrysene

Concen: 24.565 ng/ul m

RT: 21.604 min Scan# 3131

Delta R.T. -0.006 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

Instrument :

BNA_P

ClientSampleId :

DCFJ1

Tgt Ion:228 Resp: 1171023

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

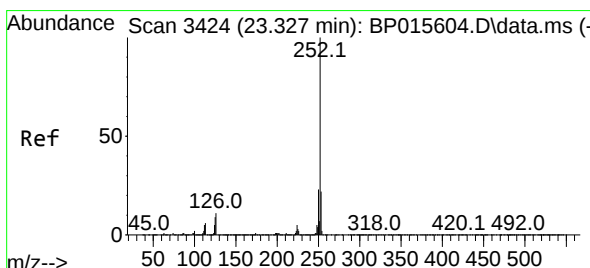
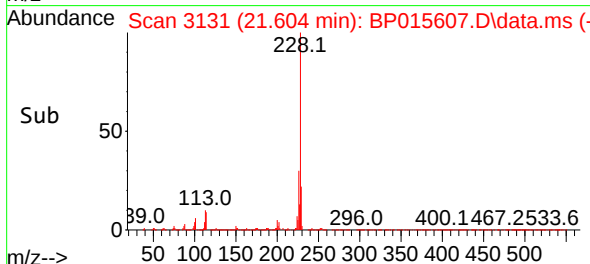
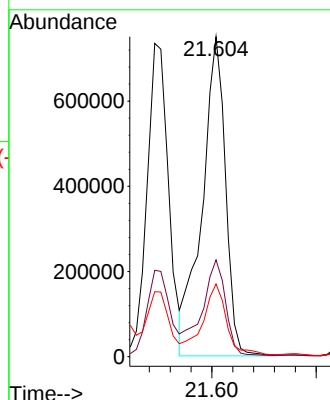
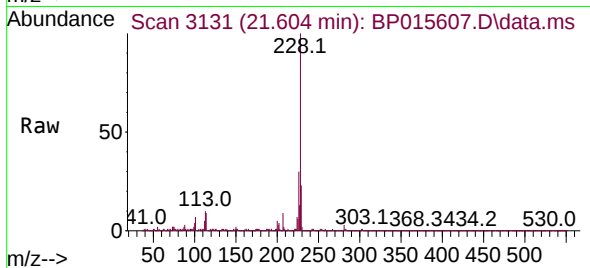
229 22.7 15.1 22.7

Manual Integrations

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Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#90

Benzo(b)fluoranthene

Concen: 35.400 ng/ul

RT: 23.333 min Scan# 3425

Delta R.T. 0.006 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

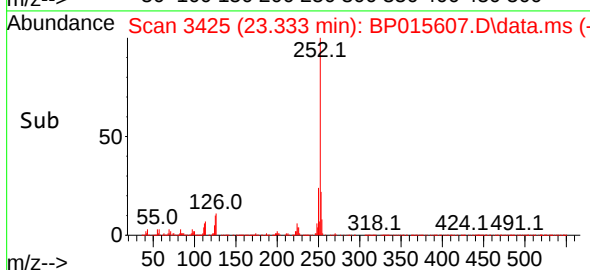
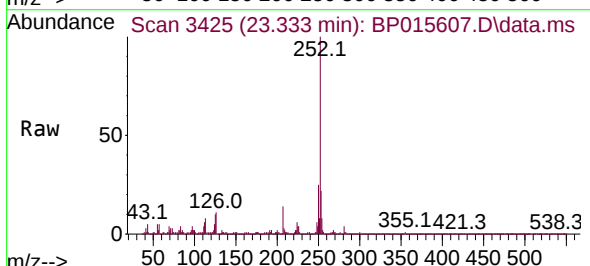
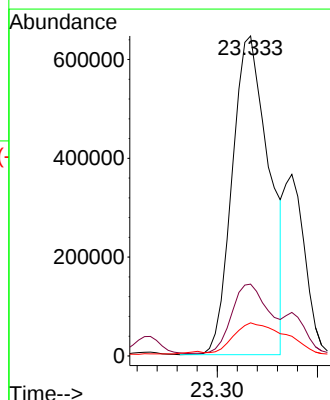
Tgt Ion:252 Resp: 1648820

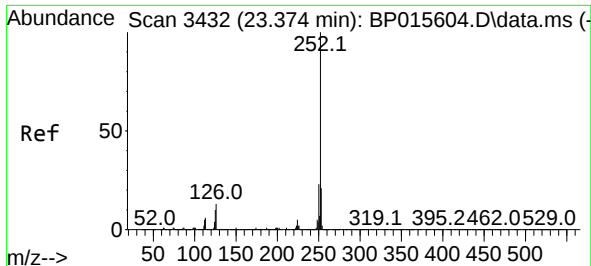
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

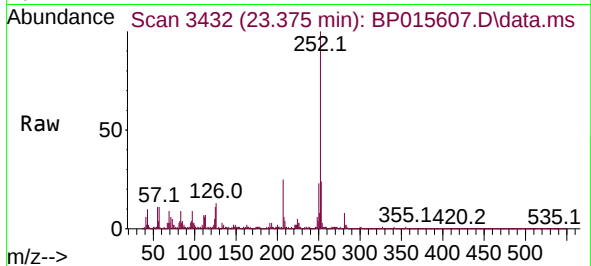
125 10.3 7.3 10.9





#91
Benzo(k)fluoranthene
Concen: 11.453 ng/u1
RT: 23.375 min Scan# 3432
Delta R.T. -0.006 min
Lab File: BP015607.D
Acq: 19 Jun 2023 17:13

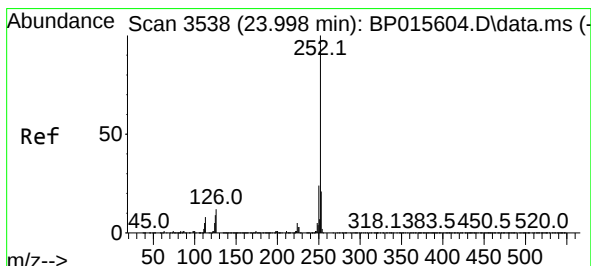
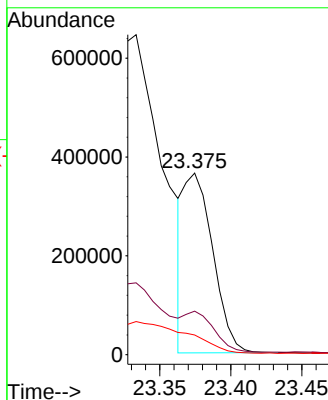
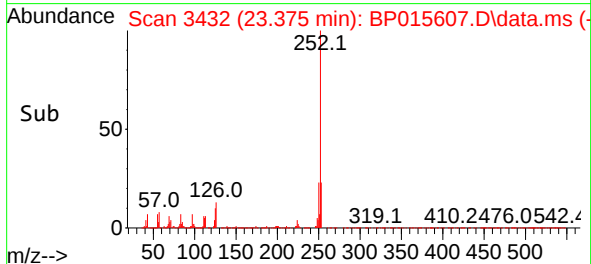
Instrument :
BNA_P
ClientSampleId :
DCFJ1



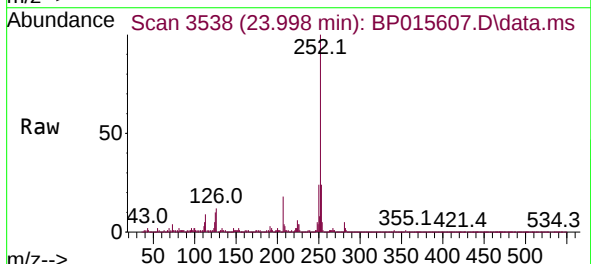
Tgt Ion:252 Resp: 51563
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 10.9 7.3 10.9

Manual Integrations
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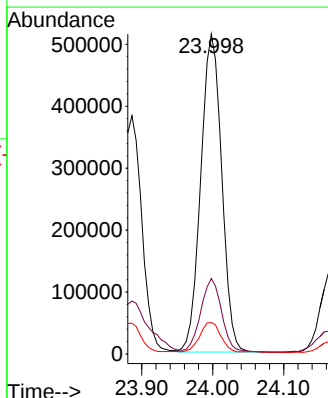
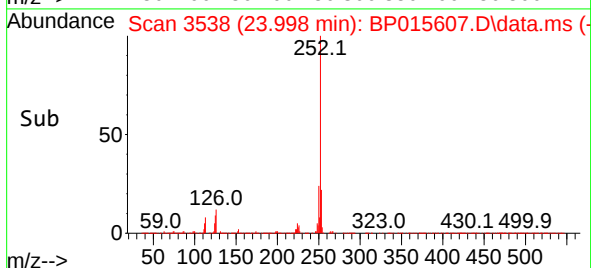
Reviewed By :Yogesh Patel 06/20/2023
Supervised By :mohammad ahmed 06/21/2023

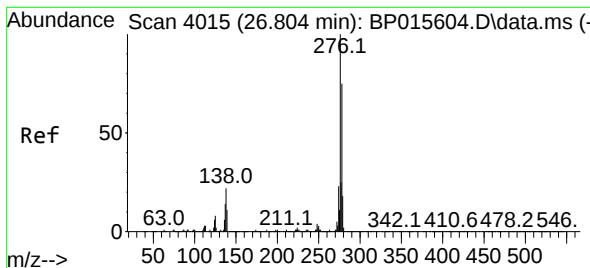


#93
Benzo(a)pyrene
Concen: 25.944 ng/u1
RT: 23.998 min Scan# 3538
Delta R.T. -0.006 min
Lab File: BP015607.D
Acq: 19 Jun 2023 17:13



Tgt Ion:252 Resp: 1053551
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 9.8 8.1 12.1





#94

Indeno(1,2,3-cd)pyrene

Concen: 15.581 ng/ul

RT: 26.798 min Scan# 4015

Delta R.T. -0.012 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

Instrument :

BNA_P

ClientSampleId :

DCFJ1

Tgt Ion:276 Resp: 81883

Ion Ratio Lower Upper

276 100

138 18.0 17.3 25.9

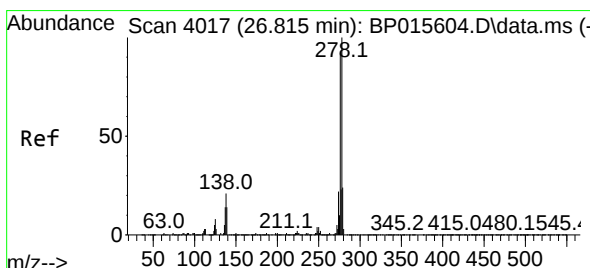
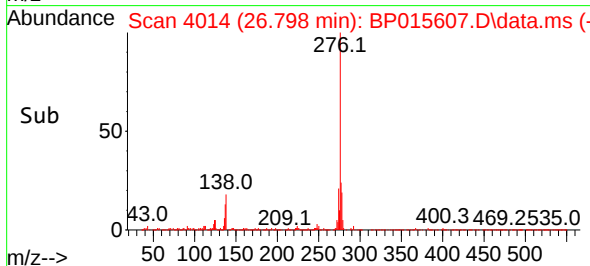
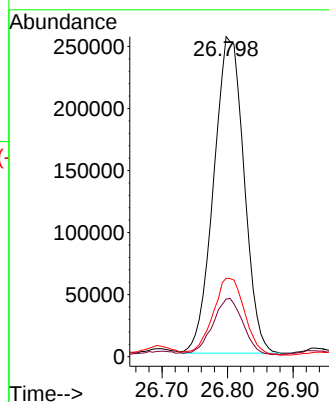
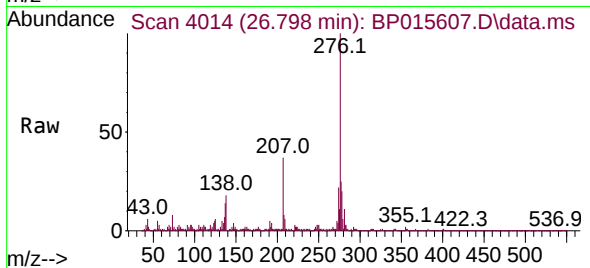
277 24.5 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023



#95

Dibenzo(a,h)anthracene

Concen: 4.811 ng/ul

RT: 26.810 min Scan# 4016

Delta R.T. -0.018 min

Lab File: BP015607.D

Acq: 19 Jun 2023 17:13

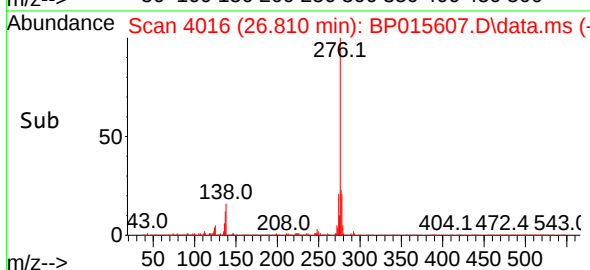
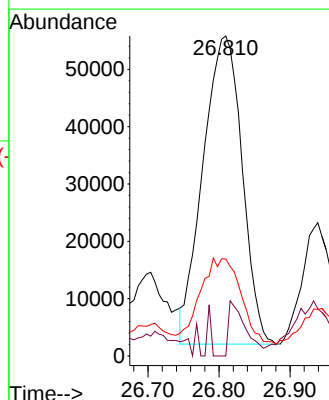
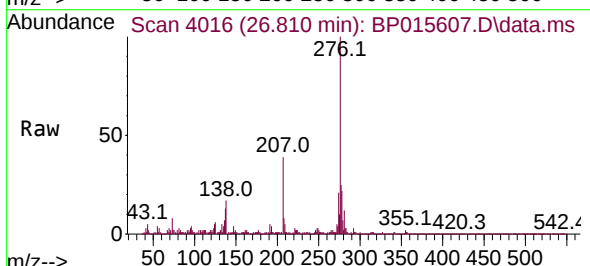
Tgt Ion:278 Resp: 205995

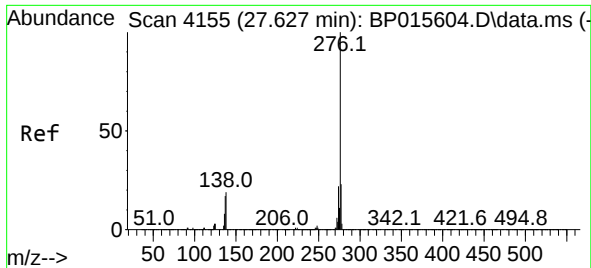
Ion Ratio Lower Upper

278 100

139 0.0 11.4 17.0#

279 30.3 18.7 28.1#





#96

Benzo(g,h,i)perylene

Concen: 16.689 ng/ul

RT: 27.639 min Scan# 41

Delta R.T. 0.000 min

Lab File: BP015607.D

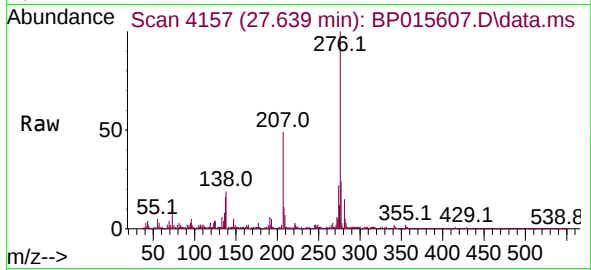
Acq: 19 Jun 2023 17:13

Instrument :

BNA_P

ClientSampleId :

DCFJ1



Tgt Ion:276 Resp: 722780

Ion Ratio Lower Upper

276 100

138 18.6 15.6 23.4

277 23.8 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/20/2023

Supervised By :mohammad ahmed 06/21/2023

