

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015663.D
 Acq On : 23 Jun 2023 00:07
 Operator : MA/JU
 Sample : 03083-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFJ9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023

Quant Time: Jun 23 02:39:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jun 22 22:01:49 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	96617	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	359692	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.734	164	188514	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.492	188	377137	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	372072	20.000	ng/u1	0.00
88) Perylene-d12	24.145	264	467586	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	8251	3.162	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.252	99	134496	15.110	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.405	67	92122	17.330	ng/u1	0.00
11) 2-Chlorophenol-d4	7.611	132	117596	18.222	ng/u1	0.00
15) 4-Methylphenol-d8	8.810	113	79098	10.828	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	55748	19.741	ng/u1	0.00
24) 2-Nitrophenol-d4	9.993	143	63589	19.718	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	98476	16.740	ng/u1	0.01
31) 4-Chloroaniline-d4	11.081	131	33032	3.912	ng/u1	0.03
46) Dimethylphthalate-d6	14.134	166	318226	21.407	ng/u1	0.00
49) Acenaphthylene-d8	14.428	160	349540	21.504	ng/u1	0.00
54) 4-Nitrophenol-d4	14.987	143	29734m	11.169	ng/u1	0.04
60) Fluorene-d10	15.728	176	255997	20.422	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.875	200	24662	10.322	ng/u1	0.01
73) Anthracene-d10	17.592	188	366106	21.336	ng/u1	0.00
81) Pyrene-d10	19.822	212	298858	15.008	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.980	264	208526	8.888	ng/u1	0.01
Target Compounds						
					Qvalue	
30) Naphthalene	10.963	128	36743	1.885	ng/u1	98
36) 2-Methylnaphthalene	12.563	142	17319	1.264	ng/u1	97
50) Acenaphthylene	14.457	152	70006	3.889	ng/u1	98
72) Phenanthrene	17.534	178	129352	6.391	ng/u1	98
74) Anthracene	17.634	178	31222	1.520	ng/u1	98
80) Fluoranthene	19.498	202	317470	13.088	ng/u1	96
82) Pyrene	19.851	202	154606	6.161	ng/u1	97
85) Benzo(a)anthracene	21.569	228	184927	7.110	ng/u1	96
87) Chrysene	21.622	228	209466m	8.520	ng/u1	
90) Benzo(b)fluoranthene	23.357	252	357100	11.831	ng/u1	94
91) Benzo(k)fluoranthene	23.404	252	118763m	4.071	ng/u1	
93) Benzo(a)pyrene	24.033	252	73570	2.796	ng/u1#	87
94) Indeno(1,2,3-cd)pyrene	26.862	276	105211	3.089	ng/u1	99
95) Dibenzo(a,h)anthracene	26.862	278	59132	2.131	ng/u1#	75

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

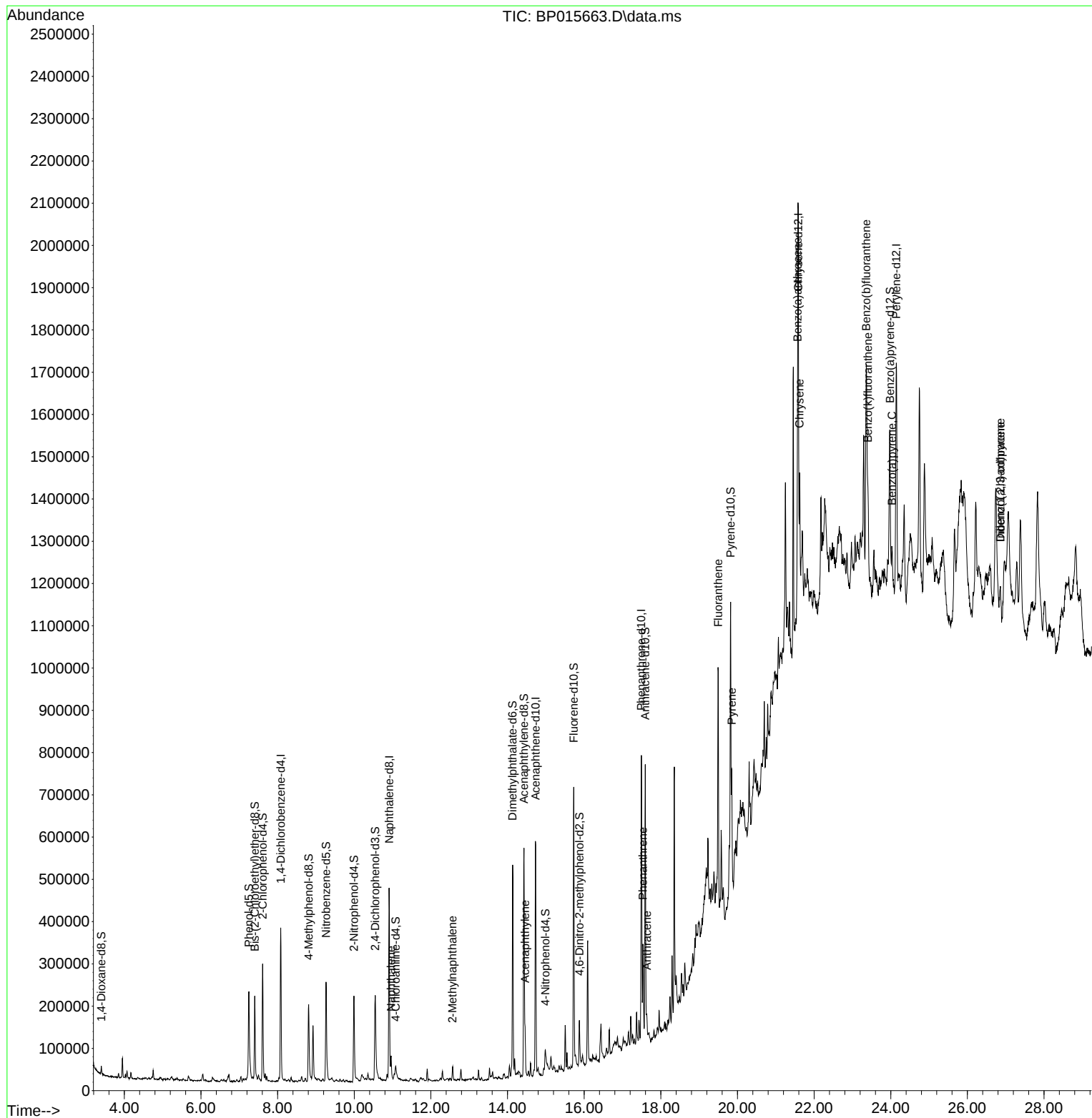
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
Data File : BP015663.D
Acq On : 23 Jun 2023 00:07
Operator : MA/JU
Sample : 03083-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

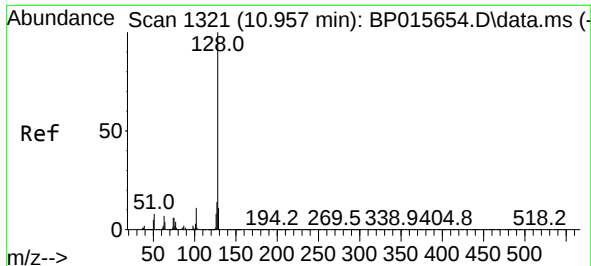
Instrument :
BNA_P
ClientSampleId :
DCFJ9

Quant Time: Jun 23 02:39:33 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP060723.MA.M
Quant Title : SVOA CALIBRATION
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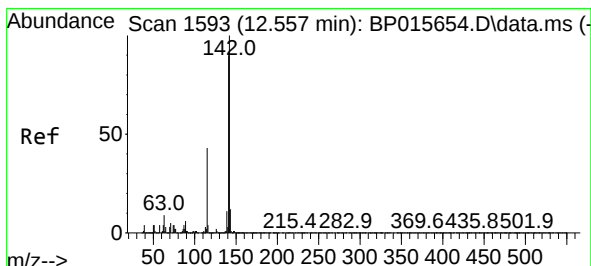
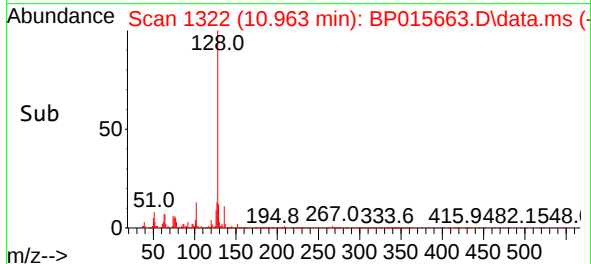
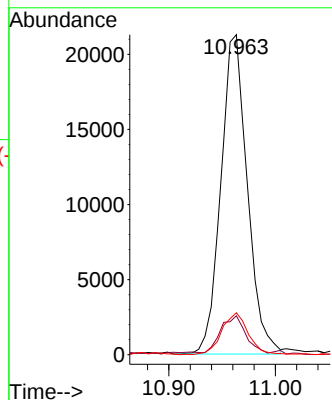
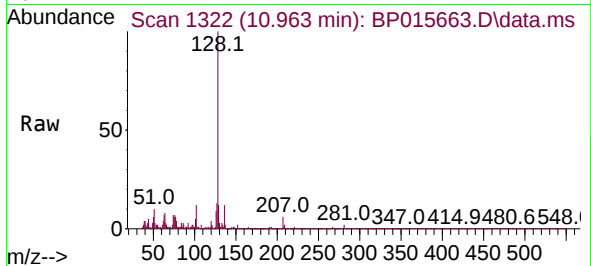
#30
Naphthalene
Concen: 1.885 ng/ul
RT: 10.963 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP015663.D
Acq: 23 Jun 2023 00:07

Instrument :
BNA_P
ClientSampleId :
DCFJ9

Tgt Ion:128 Resp: 3674
Ion Ratio Lower Upper
128 100
129 12.2 8.6 13.0
127 13.1 10.5 15.7

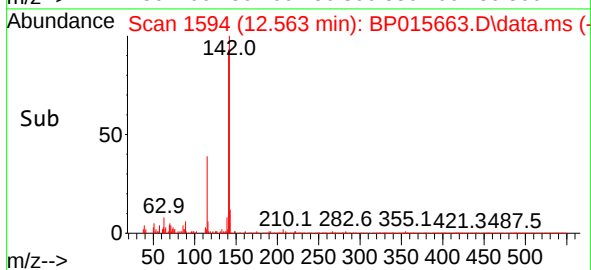
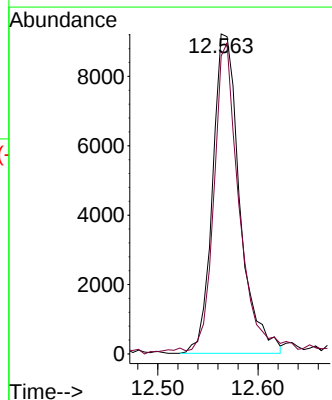
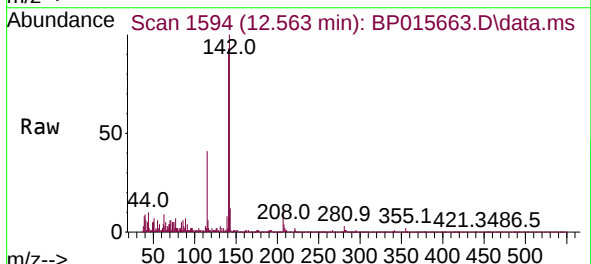
Manual Integrations
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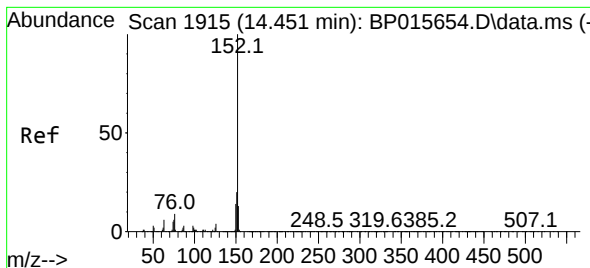
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#36
2-Methylnaphthalene
Concen: 1.264 ng/ul
RT: 12.563 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BP015663.D
Acq: 23 Jun 2023 00:07

Tgt Ion:142 Resp: 17319
Ion Ratio Lower Upper
142 100
141 93.1 72.0 108.0





#50

Acenaphthylene

Concen: 3.889 ng/u1

RT: 14.457 min Scan# 1915

Delta R.T. 0.006 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

Instrument :

BNA_P

ClientSampleId :

DCFJ9

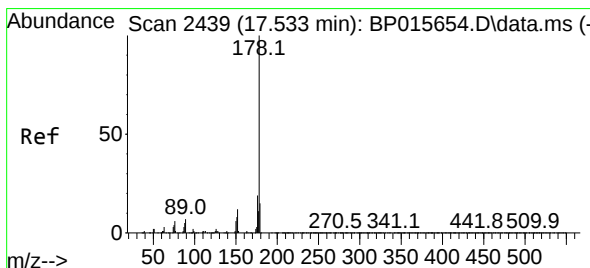
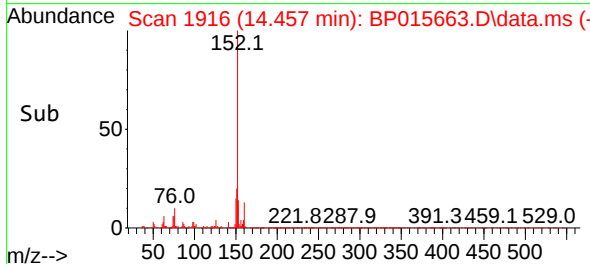
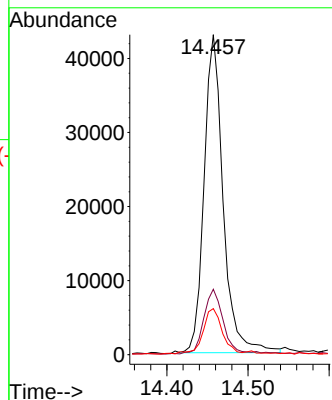
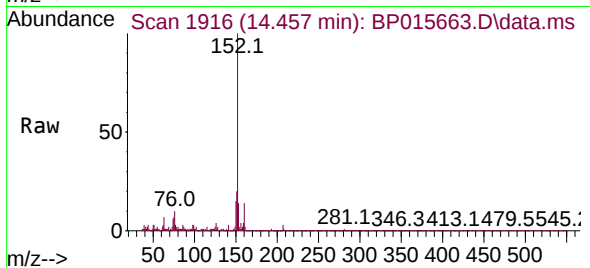
Tgt Ion:	152	Resp:	70000
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.0	24.0
153	14.4	10.6	15.8

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#72

Phenanthrene

Concen: 6.391 ng/u1

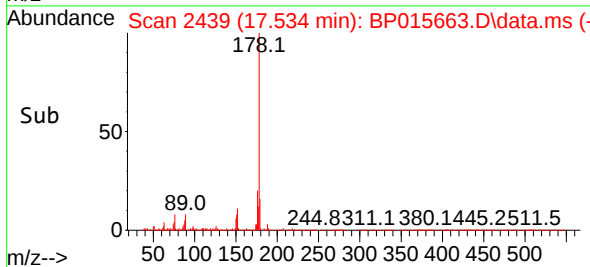
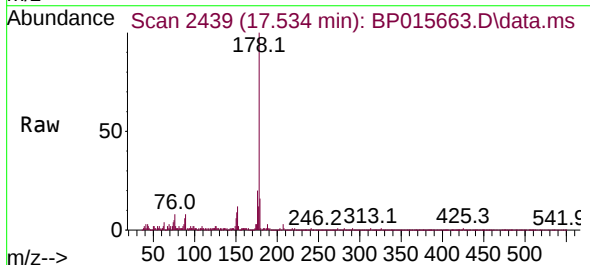
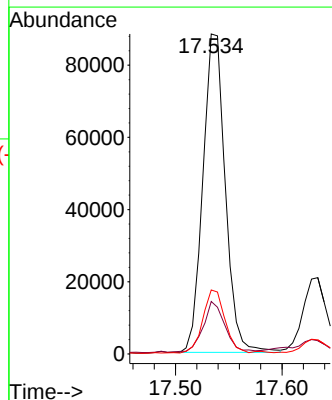
RT: 17.534 min Scan# 2439

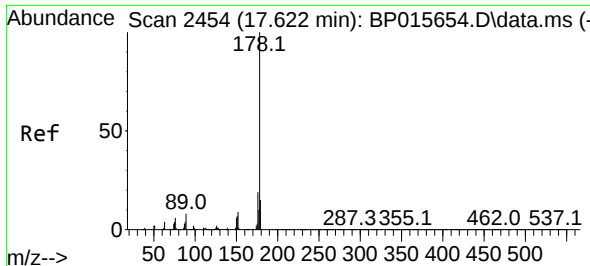
Delta R.T. 0.000 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

Tgt Ion:	178	Resp:	129352
Ion Ratio	Lower	Upper	
178	100		
179	16.4	12.3	18.5
176	20.0	15.4	23.0





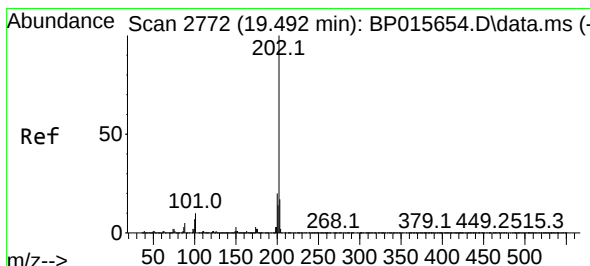
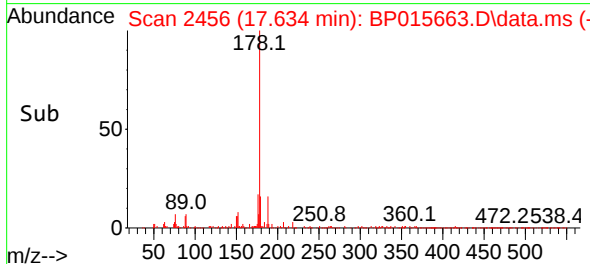
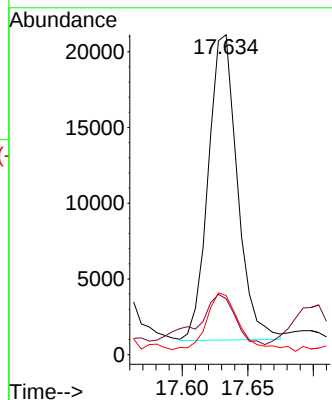
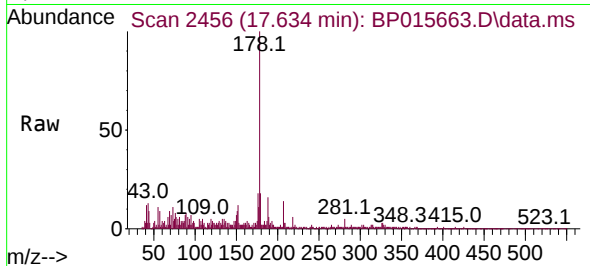
#74
 Anthracene
 Concen: 1.520 ng/ul
 RT: 17.634 min Scan# 2454
 Delta R.T. 0.006 min
 Lab File: BP015663.D
 Acq: 23 Jun 2023 00:07

Instrument :
 BNA_P
 ClientSampleId :
 DCFJ9

Tgt Ion:178 Resp: 3122
 Ion Ratio Lower Upper
 178 100
 179 17.5 12.4 18.6
 176 18.5 15.0 22.4

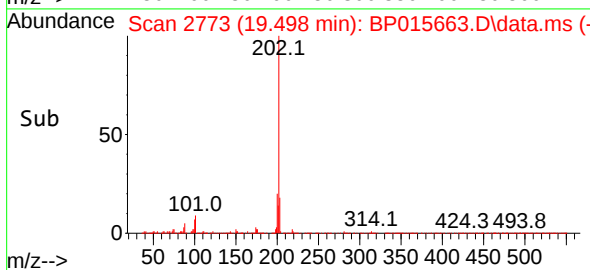
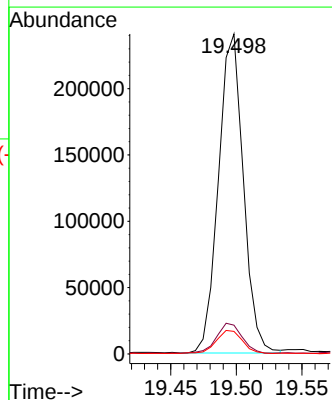
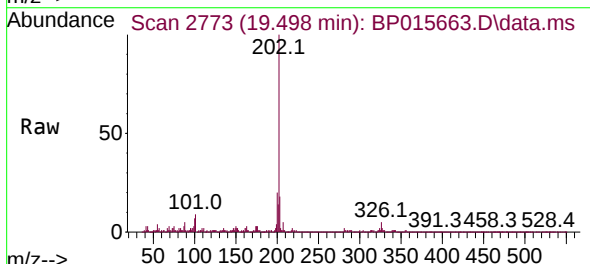
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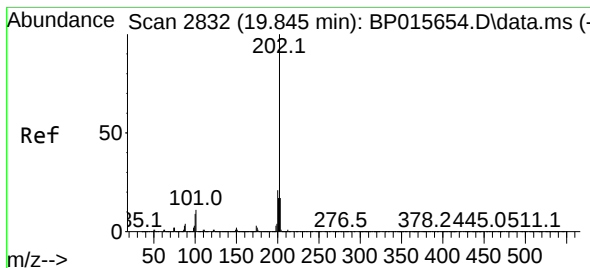
Reviewed By :Yogesh Patel 06/23/2023
 Supervised By :mohammad ahmed 06/23/2023



#80
 Fluoranthene
 Concen: 13.088 ng/ul
 RT: 19.498 min Scan# 2773
 Delta R.T. 0.006 min
 Lab File: BP015663.D
 Acq: 23 Jun 2023 00:07

Tgt Ion:202 Resp: 317470
 Ion Ratio Lower Upper
 202 100
 101 9.0 8.6 13.0
 100 7.1 6.6 9.8





#82

Pyrene

Concen: 6.161 ng/ul

RT: 19.851 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

Instrument :

BNA_P

ClientSampleId :

DCFJ9

Tgt Ion:202 Resp: 154600

Ion Ratio Lower Upper

202 100

101 11.0 9.9 14.9

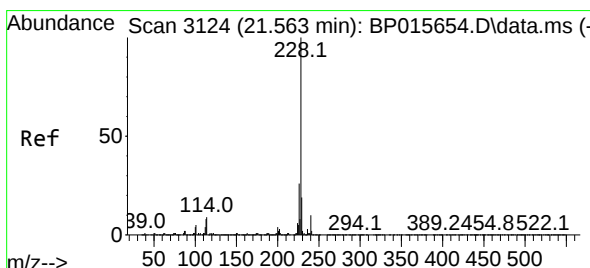
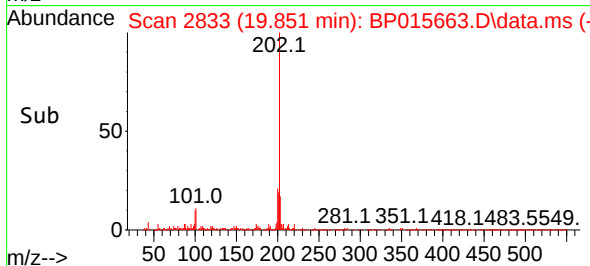
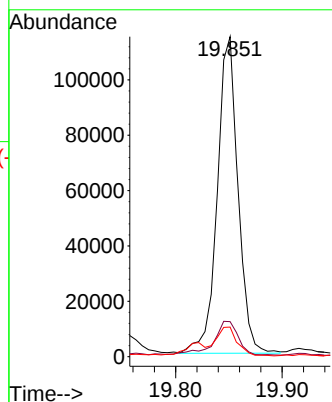
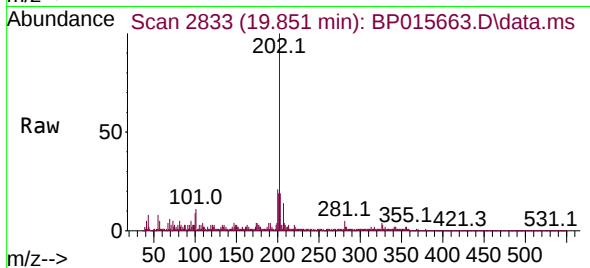
100 9.3 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#85

Benzo(a)anthracene

Concen: 7.110 ng/ul

RT: 21.569 min Scan# 3125

Delta R.T. 0.006 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

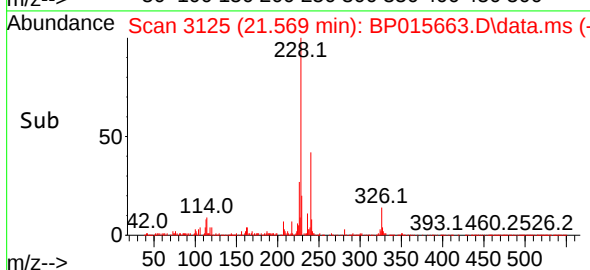
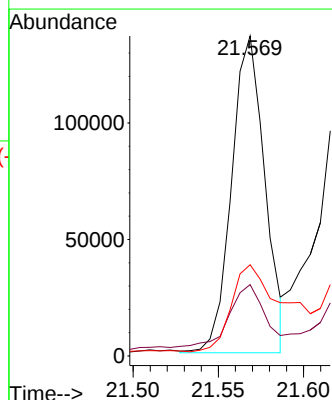
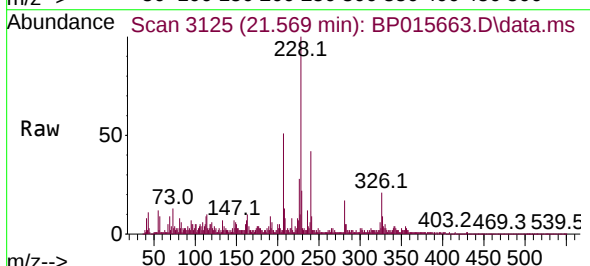
Tgt Ion:228 Resp: 184927

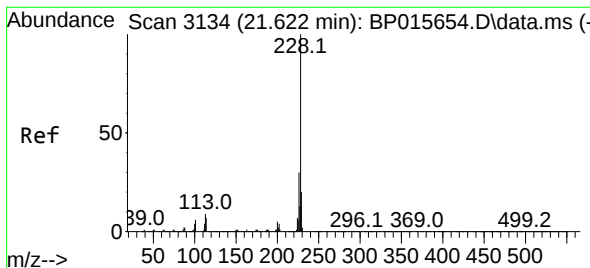
Ion Ratio Lower Upper

228 100

229 22.3 15.8 23.6

226 28.5 21.8 32.6





#87

Chrysene

Concen: 8.520 ng/ul m

RT: 21.622 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

Instrument :

BNA_P

ClientSampleId :

DCFJ9

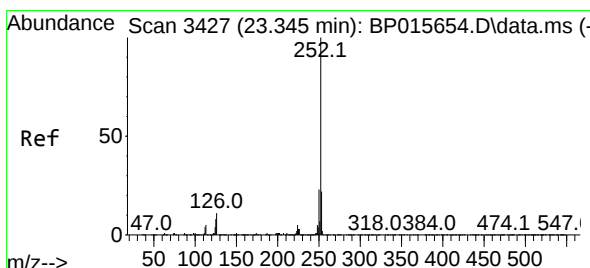
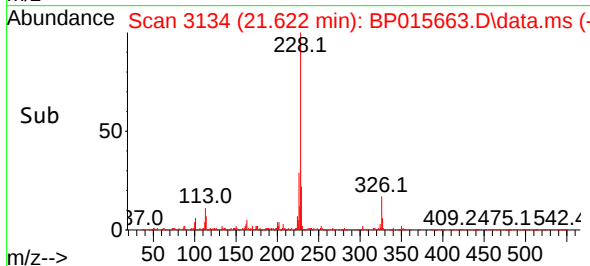
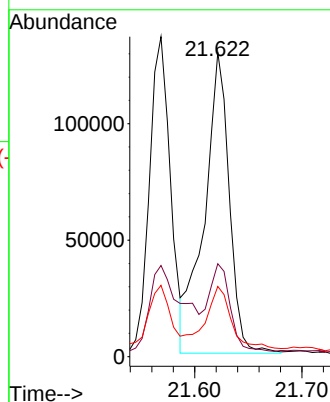
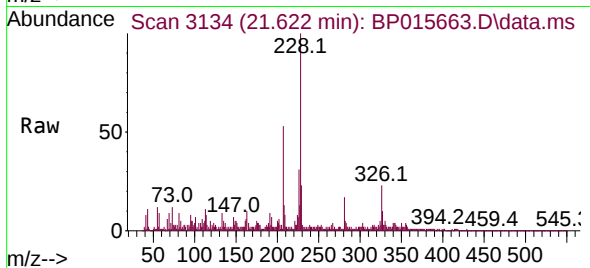
Tgt Ion:	228	Resp:	209460
Ion Ratio	Lower	Upper	
228	100		
226	30.6	23.9	35.9
229	23.1	15.1	22.7

Manual Integrations

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Supervised By :mohammad ahmed 06/23/2023



#90

Benzo(b)fluoranthene

Concen: 11.831 ng/ul

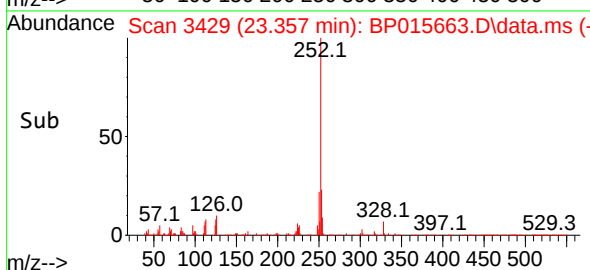
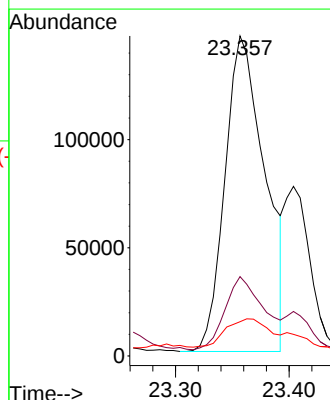
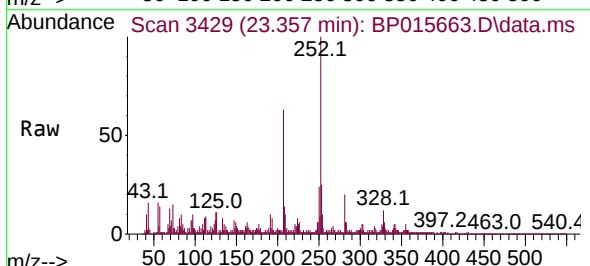
RT: 23.357 min Scan# 3429

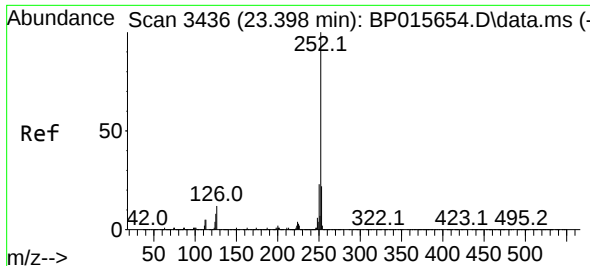
Delta R.T. 0.012 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

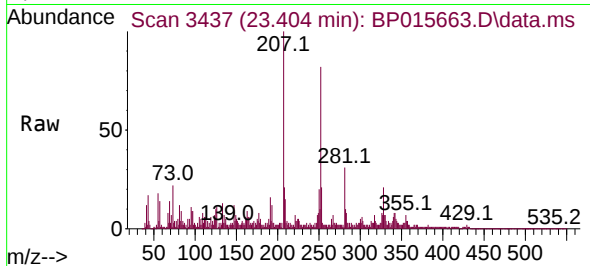
Tgt Ion:	252	Resp:	357100
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.4	26.2
125	10.7	7.3	10.9





#91
Benzo(k)fluoranthene
Concen: 4.071 ng/ul m
RT: 23.404 min Scan# 3436
Delta R.T. 0.006 min
Lab File: BP015663.D
Acq: 23 Jun 2023 00:07

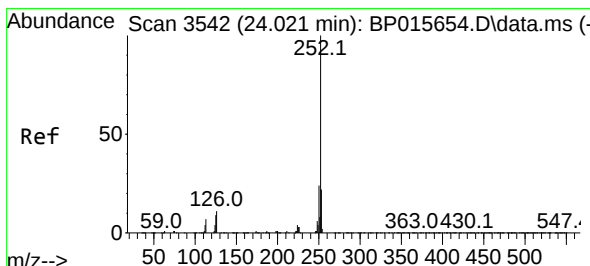
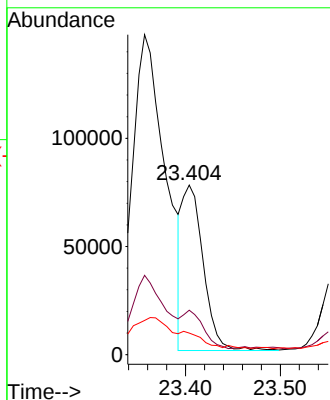
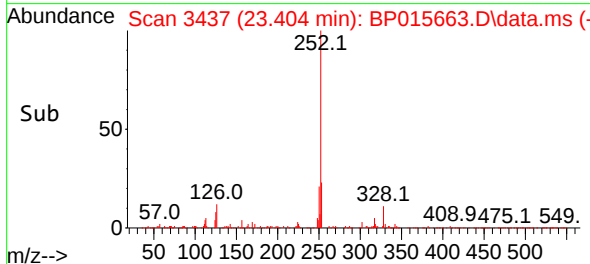
Instrument :
BNA_P
ClientSampleId :
DCFJ9



Tgt Ion:252 Resp: 11876
Ion Ratio Lower Upper
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253 26.2 17.7 26.5
125 12.8 7.3 10.9

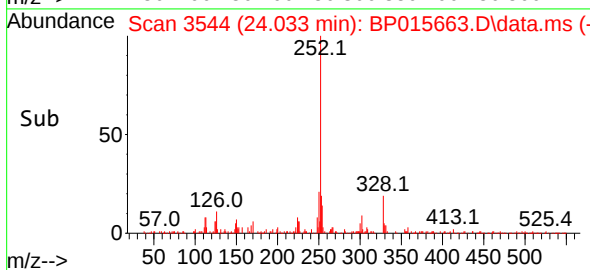
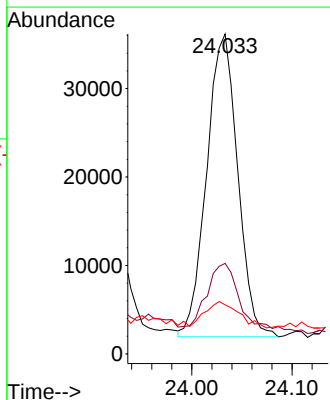
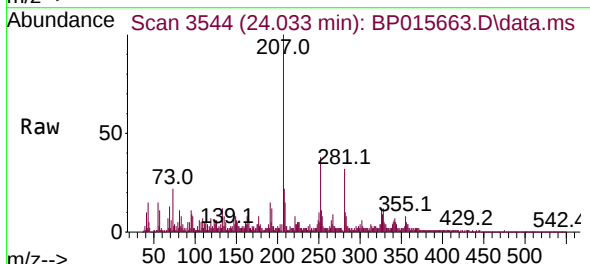
Manual Integrations
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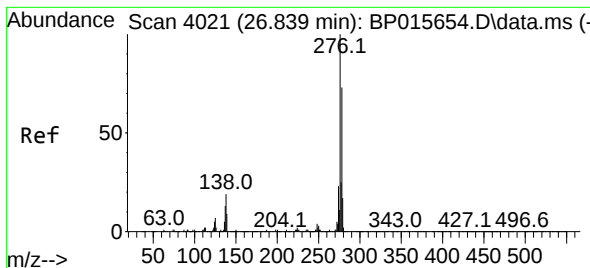
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#93
Benzo(a)pyrene
Concen: 2.796 ng/ul
RT: 24.033 min Scan# 3544
Delta R.T. 0.012 min
Lab File: BP015663.D
Acq: 23 Jun 2023 00:07

Tgt Ion:252 Resp: 73570
Ion Ratio Lower Upper
252 100
253 28.3 17.8 26.6#
125 15.4 8.1 12.1#





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.089 ng/ul

RT: 26.862 min Scan# 4021

Delta R.T. 0.024 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

Instrument :

BNA_P

ClientSampleId :

DCFJ9

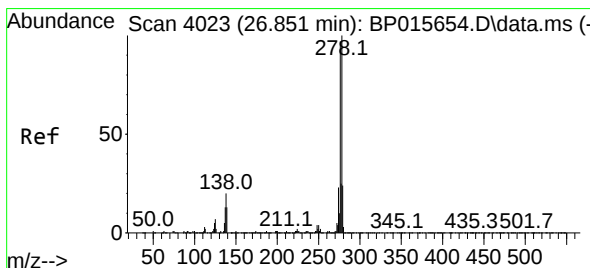
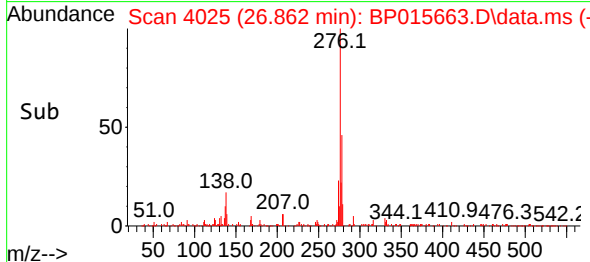
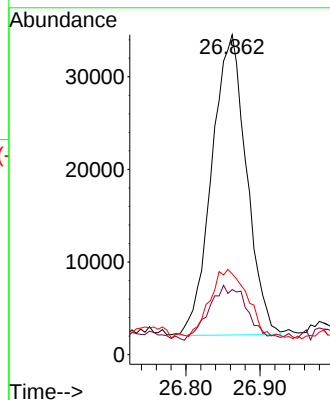
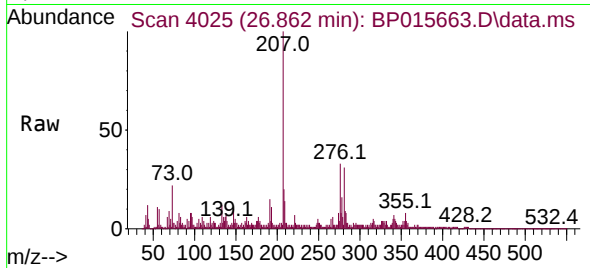
Tgt Ion:	276	Resp:	10521
Ion Ratio	Lower	Upper	
276	100		
138	20.4	17.3	25.9
277	25.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#95

Dibenzo(a,h)anthracene

Concen: 2.131 ng/ul

RT: 26.862 min Scan# 4025

Delta R.T. 0.012 min

Lab File: BP015663.D

Acq: 23 Jun 2023 00:07

Tgt Ion:	278	Resp:	59132
Ion Ratio	Lower	Upper	
278	100		
139	23.5	11.4	17.0#
279	35.9	18.7	28.1#

