

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062323\
 Data File : BP015689.D
 Acq On : 24 Jun 2023 01:39
 Operator : MA/JU
 Sample : 03084-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFM7

Quant Time: Jun 24 02:43:10 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

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.081	152	122609	20.000	ng/u1	0.00
20) Naphthalene-d8	10.910	136	455830	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	267541	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.492	188	597296	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	572069	20.000	ng/u1	0.00
88) Perylene-d12	24.145	264	705793	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	9031	2.728	ng/uL	0.00
4) Pyridine-d5	3.852	84	87388	10.161	ng/u1	0.01
7) Phenol-d5	7.252	99	161928	14.336	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	7.405	67	107425	15.924	ng/u1	0.00
11) 2-Chlorophenol-d4	7.611	132	138282	16.885	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	107372	11.582	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	63524	17.751	ng/u1	0.00
24) 2-Nitrophenol-d4	9.993	143	75027	18.358	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.546	165	118765	15.931	ng/u1	0.01
31) 4-Chloroaniline-d4	11.081	131	63999	5.981	ng/u1	0.03
46) Dimethylphthalate-d6	14.134	166	421448	19.976	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	486535	21.090	ng/u1	0.00
54) 4-Nitrophenol-d4	14.981	143	46597m	12.334	ng/u1	0.03
60) Fluorene-d10	15.722	176	364542	20.491	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.869	200	49570	13.100	ng/u1	0.00
73) Anthracene-d10	17.592	188	589107	21.677	ng/u1	0.00
81) Pyrene-d10	19.816	212	711888	23.251	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.974	264	760999	21.489	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.957	128	34117	1.381	ng/u1	99
36) 2-Methylnaphthalene	12.575	142	19254	1.109	ng/u1	95
50) Acenaphthylene	14.451	152	145173	5.683	ng/u1	100
52) Acenaphthene	14.793	153	26991	1.528	ng/u1	93
61) Fluorene	15.781	166	34243	1.678	ng/u1#	92
72) Phenanthrene	17.534	178	1032745	32.220	ng/u1	100
74) Anthracene	17.628	178	296290	9.110	ng/u1	99
80) Fluoranthene	19.492	202	2894835	77.618	ng/u1	98
82) Pyrene	19.845	202	2443630	63.330	ng/u1	99
85) Benzo(a)anthracene	21.563	228	1522495	38.070	ng/u1	98
87) Chrysene	21.622	228	1578945	41.770	ng/u1	96
90) Benzo(b)fluoranthene	23.363	252	2512316	55.144	ng/u1	99
91) Benzo(k)fluoranthene	23.404	252	789977	17.938	ng/u1	98
93) Benzo(a)pyrene	24.033	252	1612689	40.601	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.863	276	1330158	25.876	ng/u1	96
95) Dibenzo(a,h)anthracene	26.863	278	368261	8.793	ng/u1#	87
96) Benzo(g,h,i)perylene	27.710	276	1258182	29.700	ng/u1	98

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

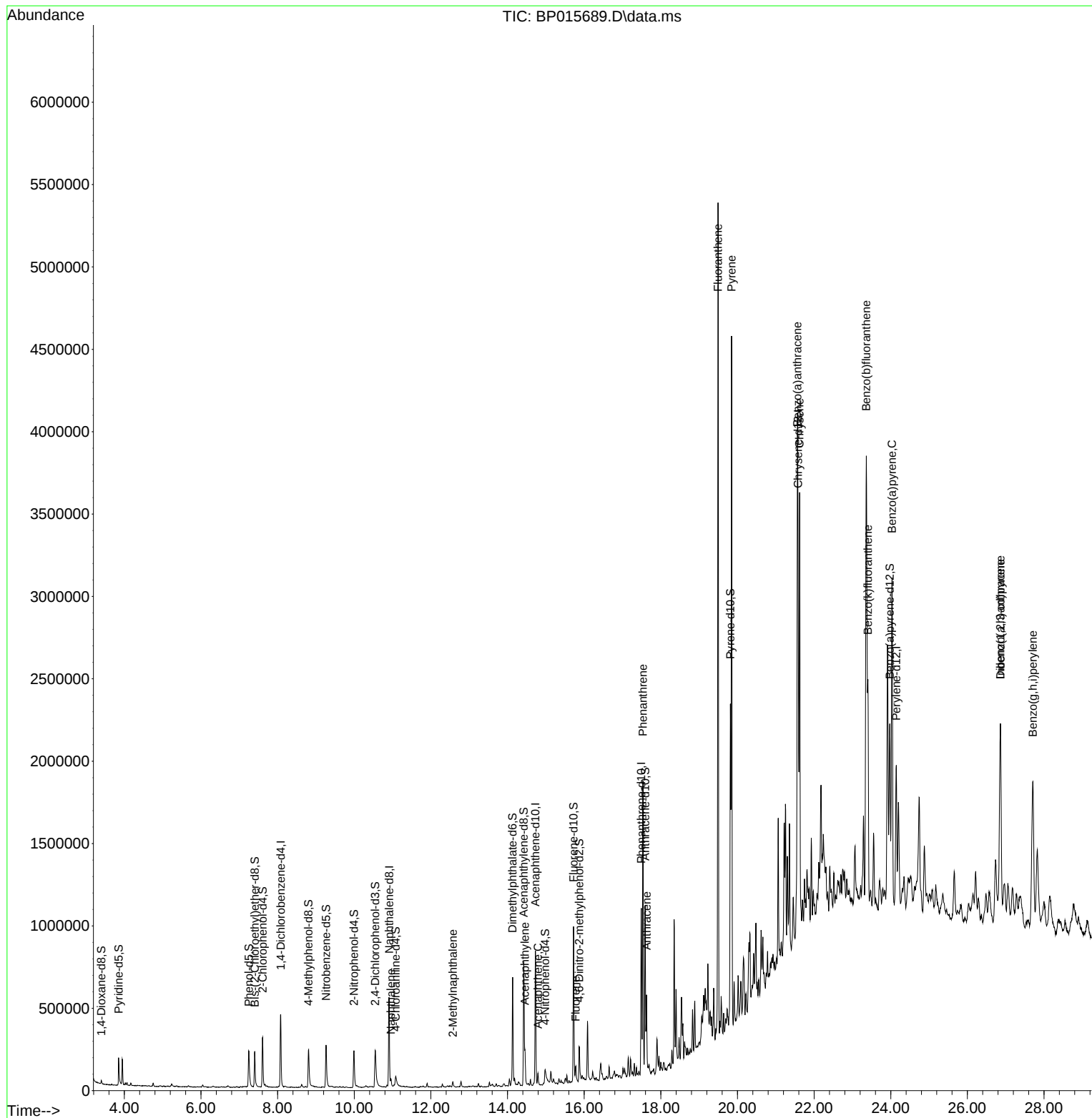
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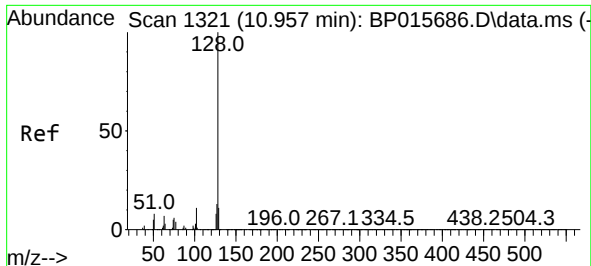
Instrument :
BNA_P
ClientSampleId :
DCFM7

Quant Time: Jun 24 02:43:10 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
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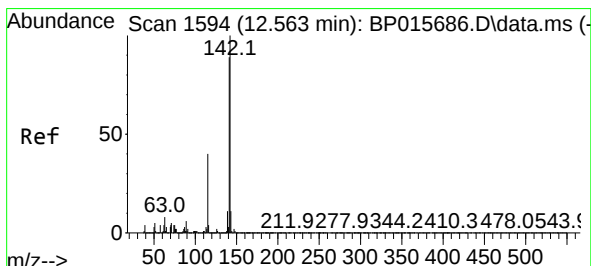
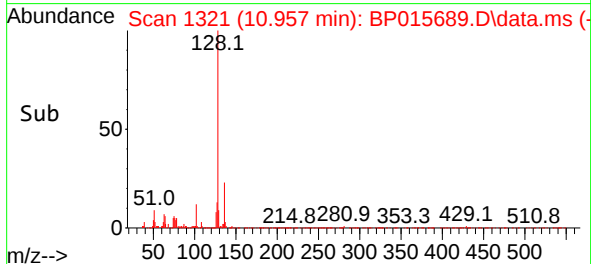
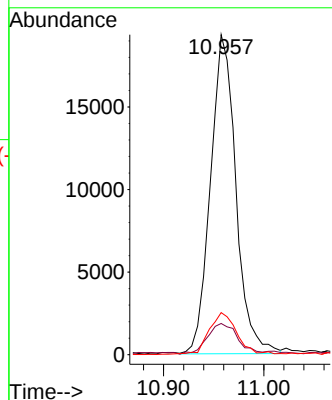
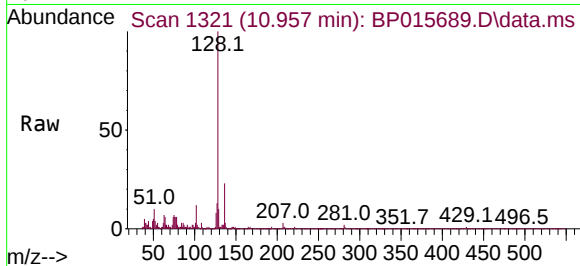
#30
Naphthalene
Concen: 1.381 ng/ul
RT: 10.957 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Instrument :
BNA_P
ClientSampleId :
DCFM7

Tgt Ion:128 Resp: 3411
Ion Ratio Lower Upper
128 100
129 9.7 8.6 13.0
127 13.2 10.5 15.7

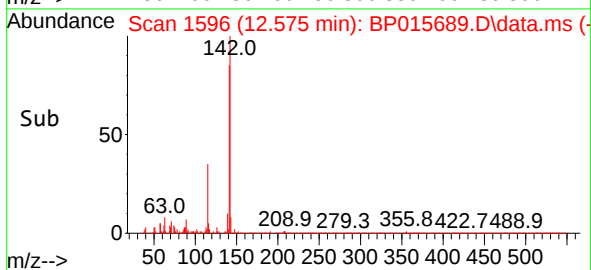
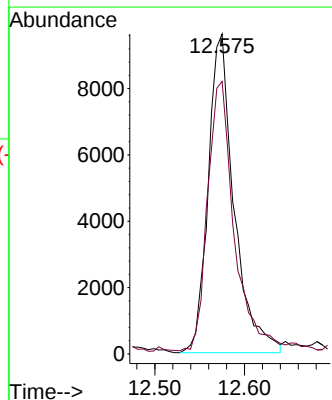
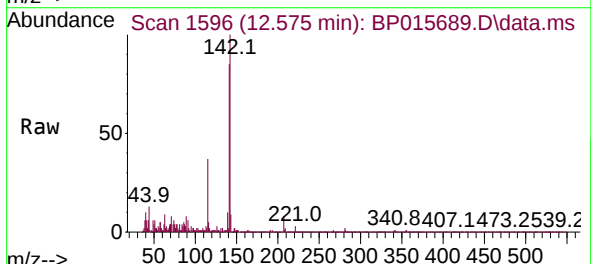
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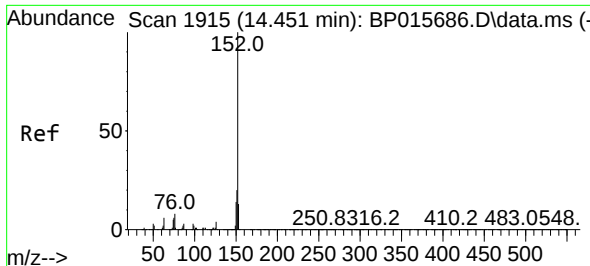
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#36
2-Methylnaphthalene
Concen: 1.109 ng/ul
RT: 12.575 min Scan# 1596
Delta R.T. 0.012 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Tgt Ion:142 Resp: 19254
Ion Ratio Lower Upper
142 100
141 85.1 72.0 108.0





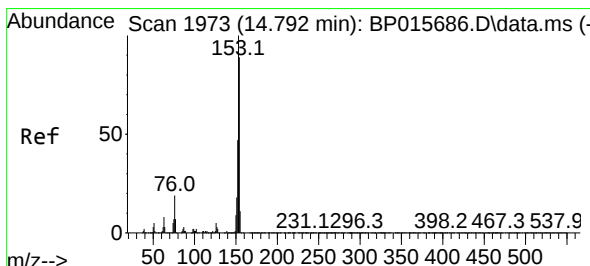
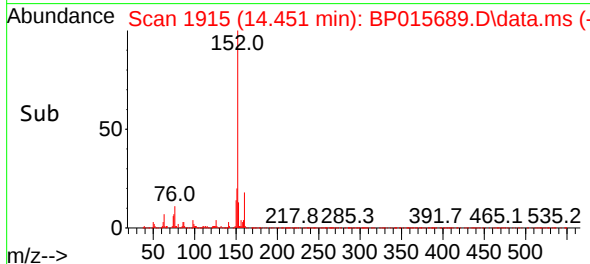
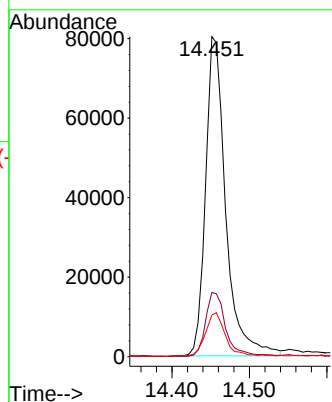
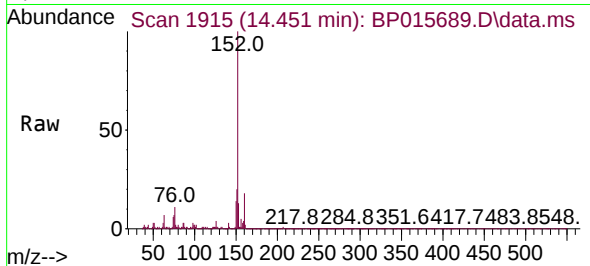
#50
Acenaphthylene
Concen: 5.683 ng/ul
RT: 14.451 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Instrument :
BNA_P
ClientSampleId :
DCFM7

Tgt Ion:152 Resp: 14517
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.0 10.6 15.8

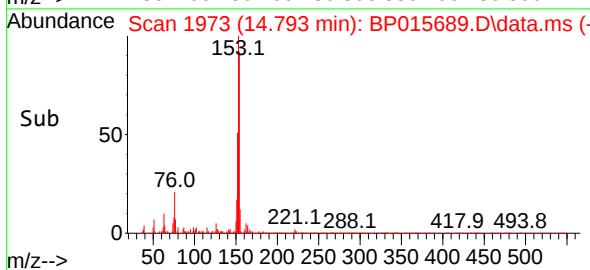
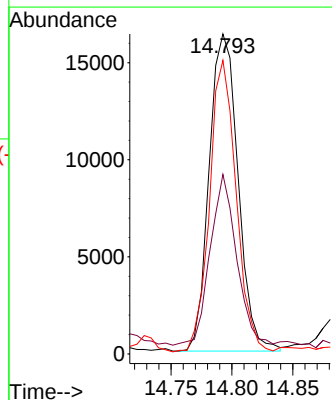
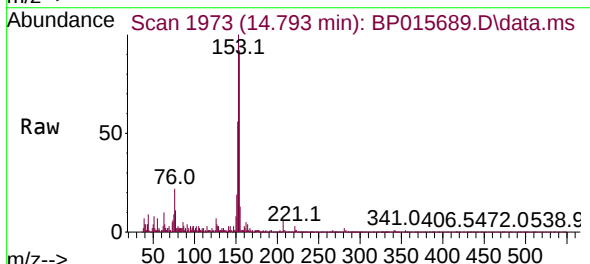
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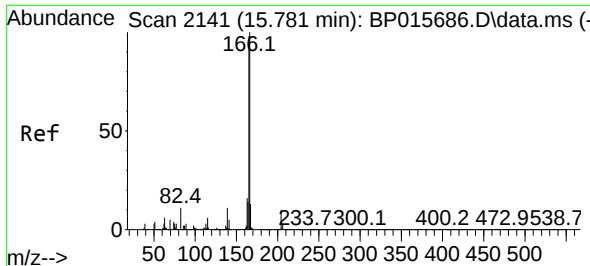
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#52
Acenaphthene
Concen: 1.528 ng/ul
RT: 14.793 min Scan# 1973
Delta R.T. 0.000 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Tgt Ion:153 Resp: 26991
Ion Ratio Lower Upper
153 100
152 56.1 38.3 57.5
154 91.8 69.8 104.6





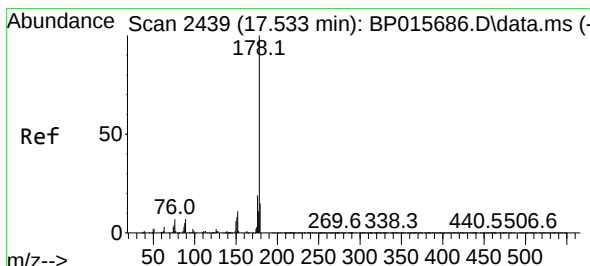
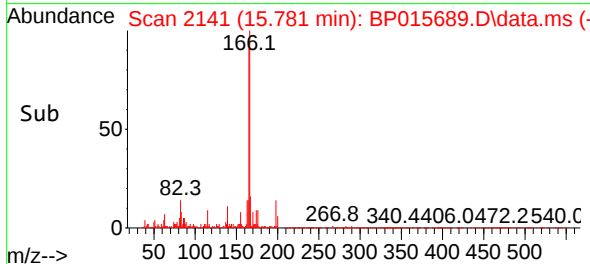
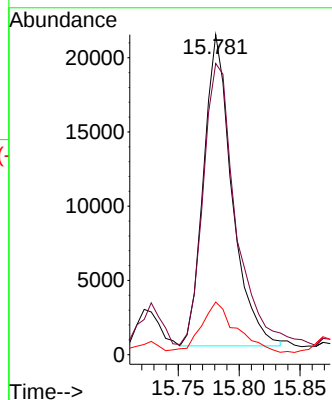
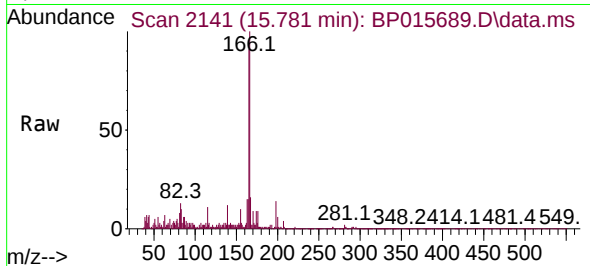
#61
Fluorene
Concen: 1.678 ng/ul
RT: 15.781 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Instrument :
BNA_P
ClientSampleId :
DCFM7

Tgt Ion:166 Resp: 3424
Ion Ratio Lower Upper
166 100
165 91.0 79.1 118.7
167 16.4 10.6 16.0

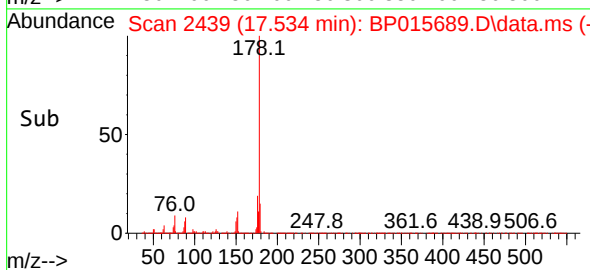
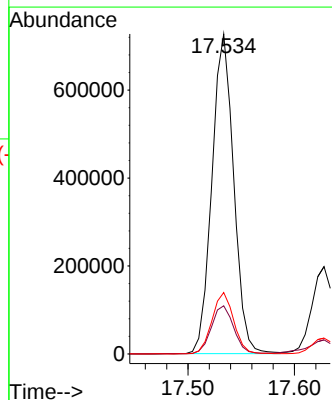
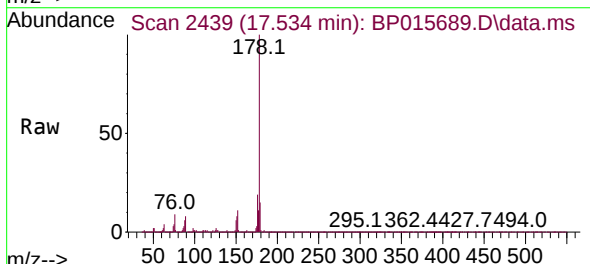
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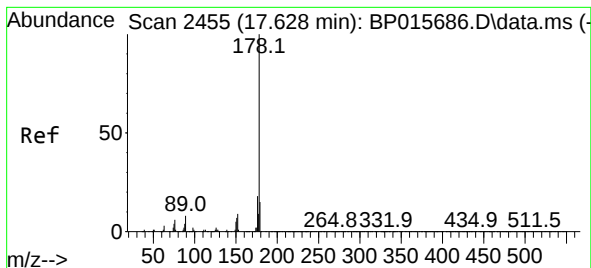
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#72
Phenanthrene
Concen: 32.220 ng/ul
RT: 17.534 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Tgt Ion:178 Resp: 1032745
Ion Ratio Lower Upper
178 100
179 15.1 12.3 18.5
176 19.2 15.4 23.0





#74

Anthracene

Concen: 9.110 ng/ul

RT: 17.628 min Scan# 2455

Delta R.T. 0.000 min

Lab File: BP015689.D

Acq: 24 Jun 2023 01:39

Instrument :

BNA_P

ClientSampleId :

DCFM7

Tgt Ion:178 Resp: 296290

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

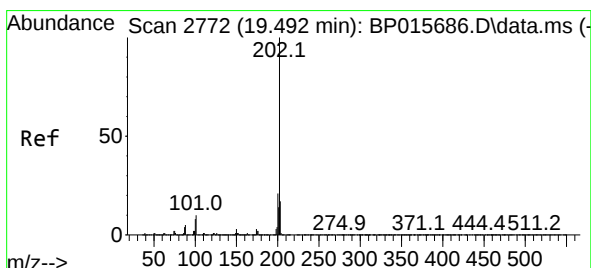
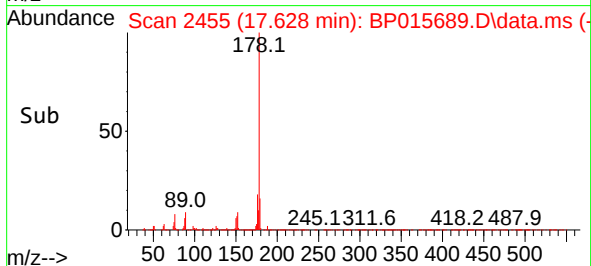
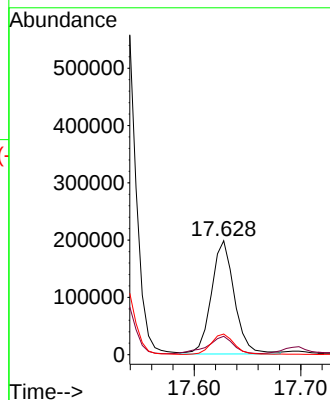
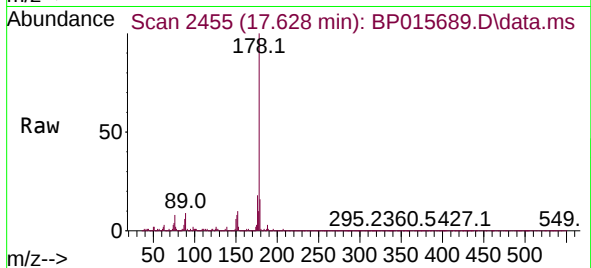
176 18.1 15.0 22.4

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#80

Fluoranthene

Concen: 77.618 ng/ul

RT: 19.492 min Scan# 2772

Delta R.T. 0.000 min

Lab File: BP015689.D

Acq: 24 Jun 2023 01:39

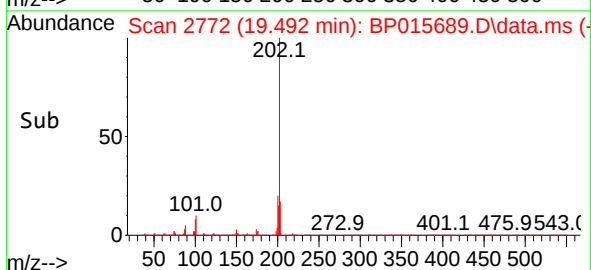
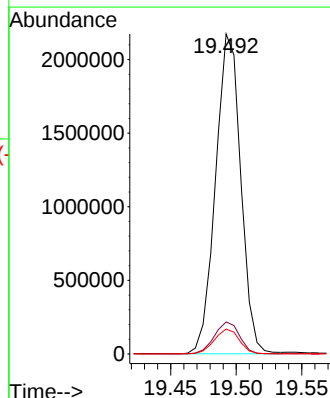
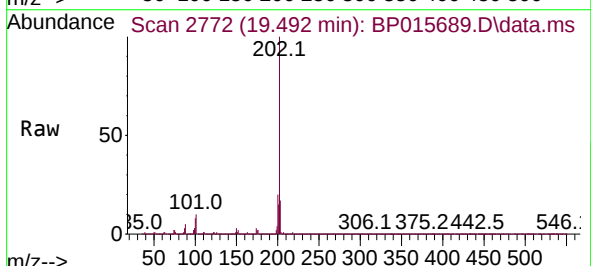
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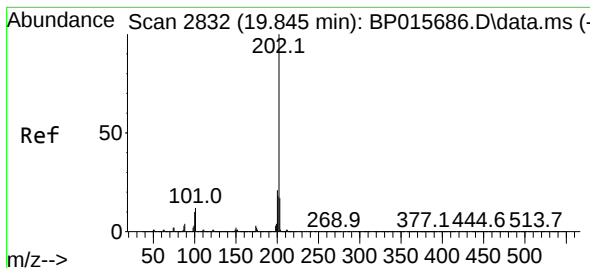
Ion Ratio Lower Upper

202 100

101 10.0 8.6 13.0

100 7.8 6.6 9.8





#82

Pyrene

Concen: 63.330 ng/ul

RT: 19.845 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP015689.D

Acq: 24 Jun 2023 01:39

Instrument :

BNA_P

ClientSampleId :

DCFM7

Tgt Ion:202 Resp: 2443630

Ion Ratio Lower Upper

202 100

101 12.0 9.9 14.9

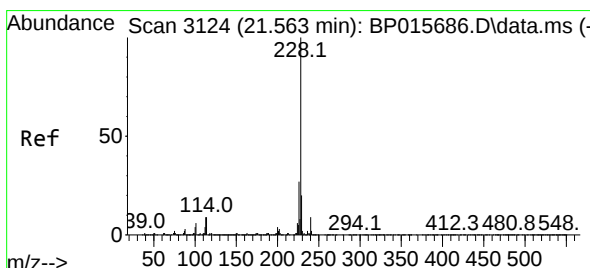
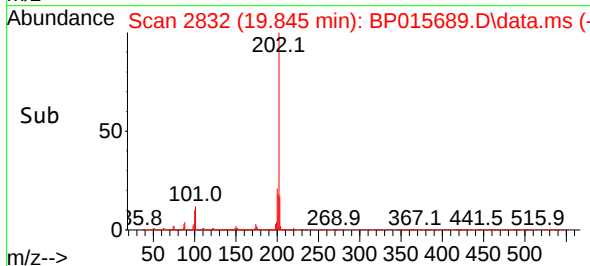
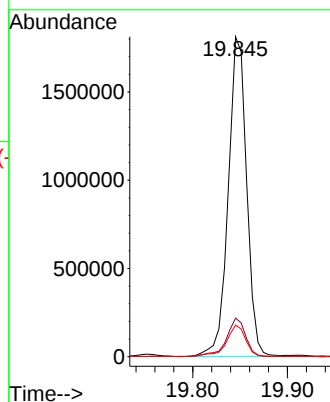
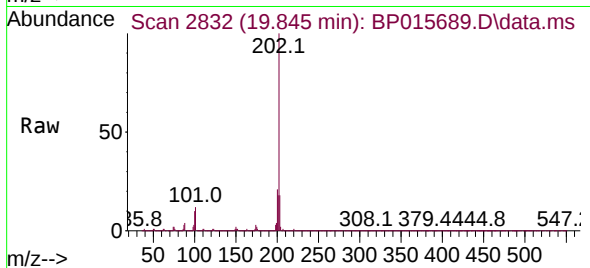
100 9.8 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/26/2023

Supervised By :mohammad ahmed 06/27/2023



#85

Benzo(a)anthracene

Concen: 38.070 ng/ul

RT: 21.563 min Scan# 3124

Delta R.T. 0.000 min

Lab File: BP015689.D

Acq: 24 Jun 2023 01:39

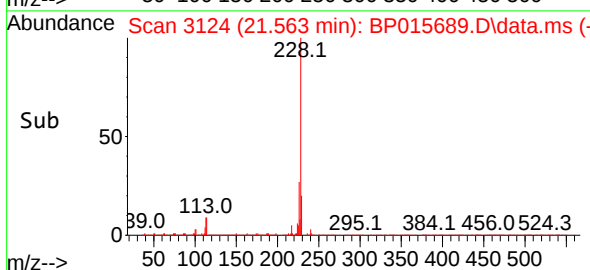
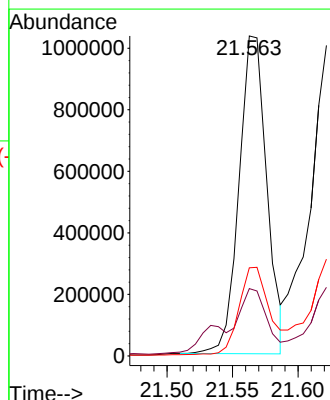
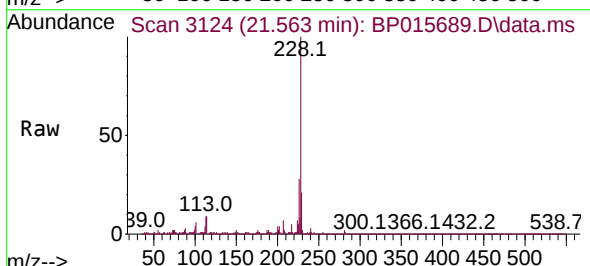
Tgt Ion:228 Resp: 1522495

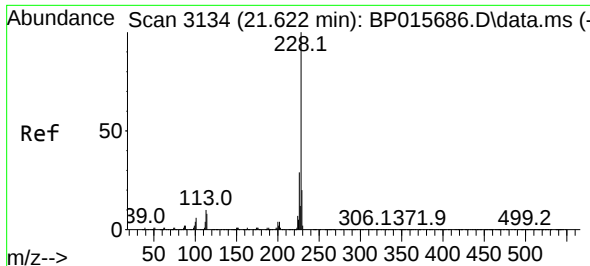
Ion Ratio Lower Upper

228 100

229 21.1 15.8 23.6

226 27.5 21.8 32.6





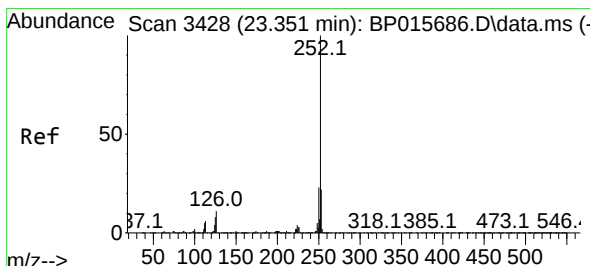
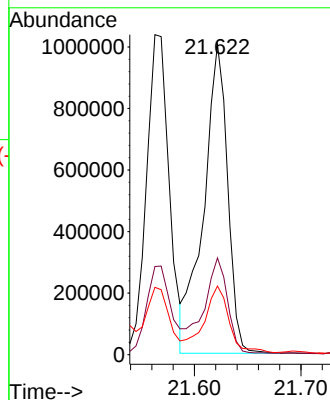
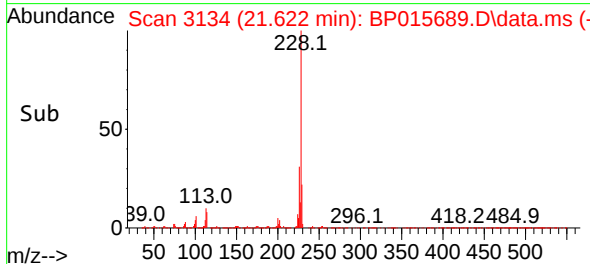
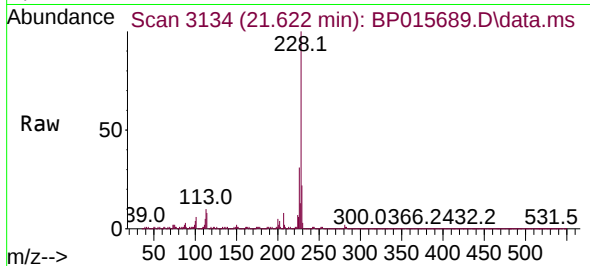
#87
Chrysene
Concen: 41.770 ng/ul
RT: 21.622 min Scan# 3134
Delta R.T. 0.000 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Instrument :
BNA_P
ClientSampleId :
DCFM7

Tgt Ion:228 Resp: 157894
Ion Ratio Lower Upper
228 100
226 31.2 23.9 35.9
229 22.1 15.1 22.7

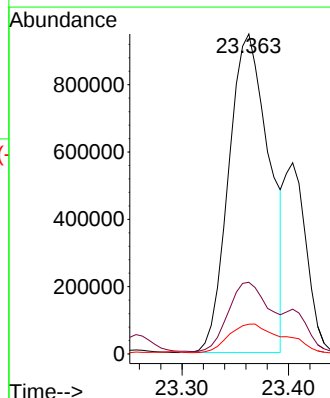
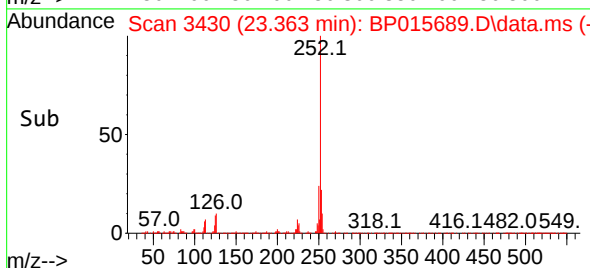
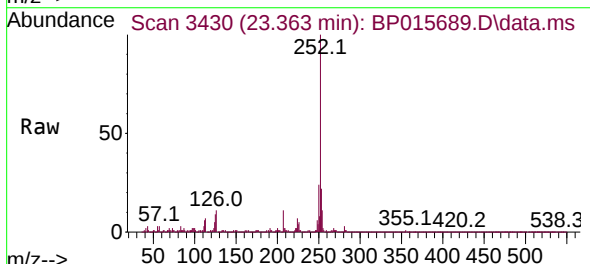
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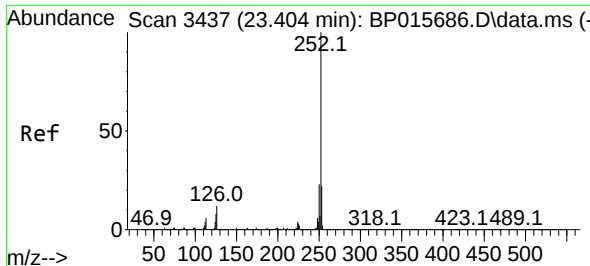
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#90
Benzo(b)fluoranthene
Concen: 55.144 ng/ul
RT: 23.363 min Scan# 3430
Delta R.T. 0.018 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

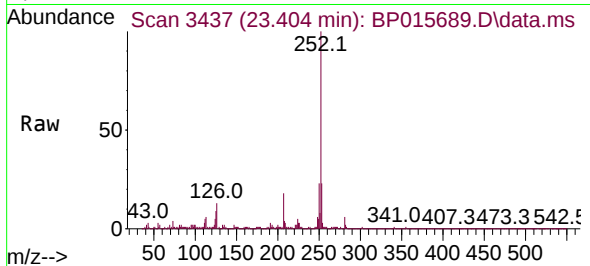
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Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 9.3 7.3 10.9





#91
Benzo(k)fluoranthene
Concen: 17.938 ng/ul
RT: 23.404 min Scan# 3437
Delta R.T. 0.006 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

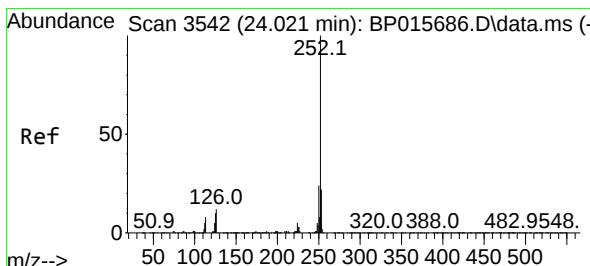
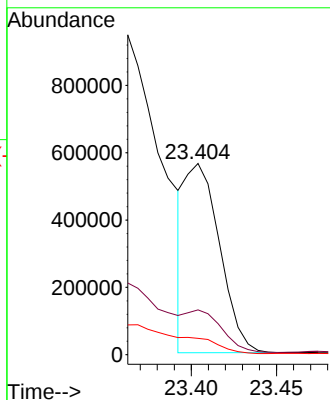
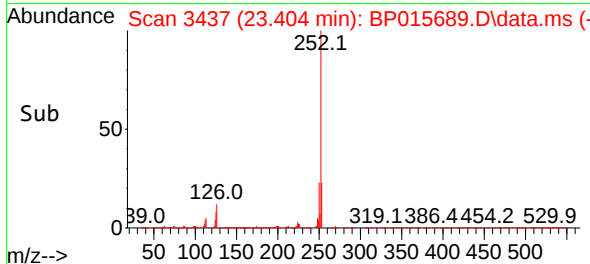
Instrument :
BNA_P
ClientSampleId :
DCFM7



Tgt Ion:252 Resp: 78997
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 8.5 7.3 10.9

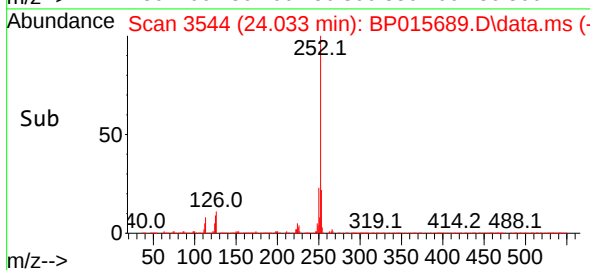
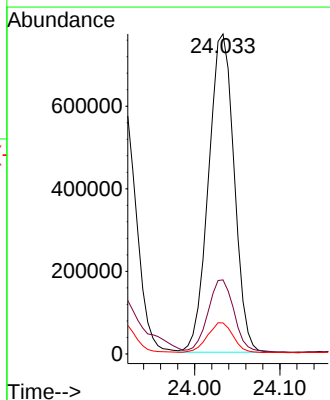
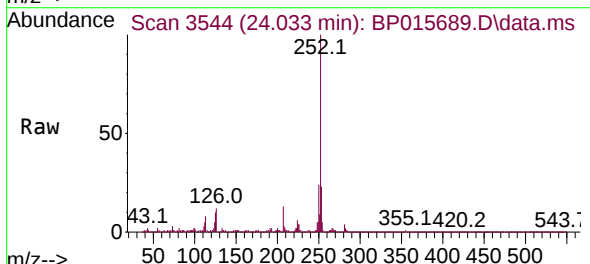
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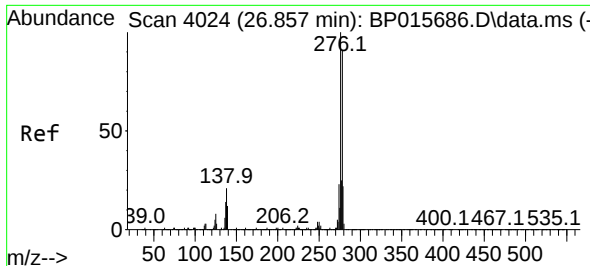
Reviewed By :Yogesh Patel 06/26/2023
Supervised By :mohammad ahmed 06/27/2023



#93
Benzo(a)pyrene
Concen: 40.601 ng/ul
RT: 24.033 min Scan# 3544
Delta R.T. 0.012 min
Lab File: BP015689.D
Acq: 24 Jun 2023 01:39

Tgt Ion:252 Resp: 1612689
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 9.7 8.1 12.1





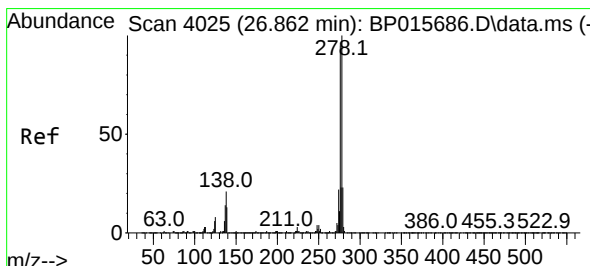
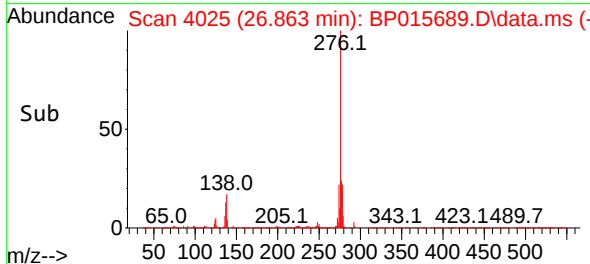
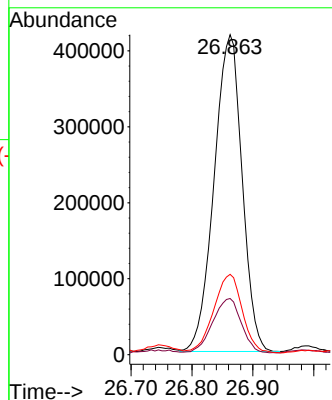
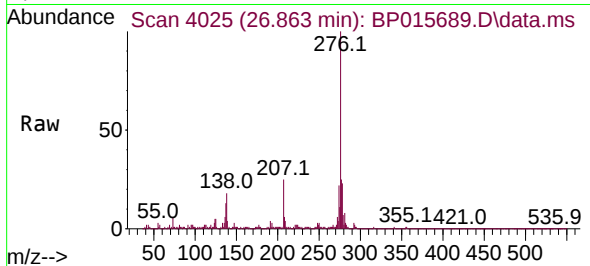
#94
 Indeno(1,2,3-cd)pyrene
 Concen: 25.876 ng/ul
 RT: 26.863 min Scan# 4024
 Delta R.T. 0.024 min
 Lab File: BP015689.D
 Acq: 24 Jun 2023 01:39

Instrument :
 BNA_P
 ClientSampleId :
 DCFM7

Tgt Ion:276 Resp: 1330158
 Ion Ratio Lower Upper
 276 100
 138 17.5 17.3 25.9
 277 25.1 20.2 30.2

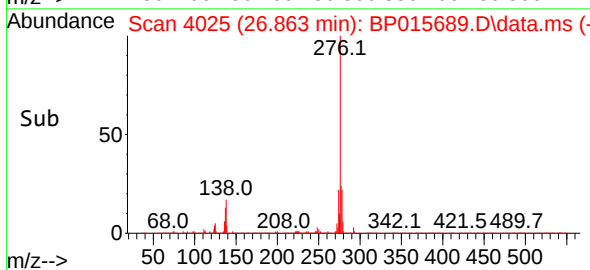
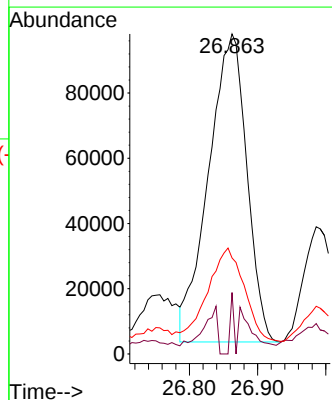
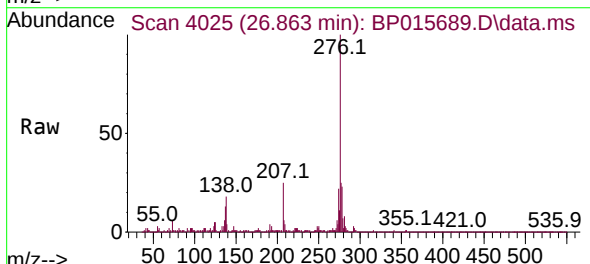
Manual Integrations
 APPROVED

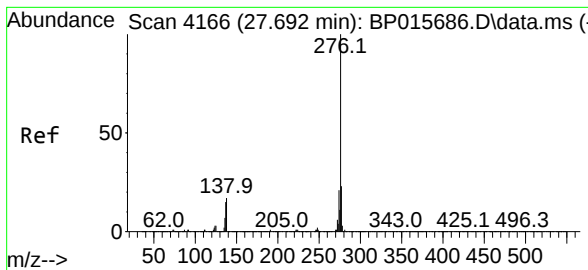
Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023



#95
 Dibenzo(a,h)anthracene
 Concen: 8.793 ng/ul
 RT: 26.863 min Scan# 4025
 Delta R.T. 0.012 min
 Lab File: BP015689.D
 Acq: 24 Jun 2023 01:39

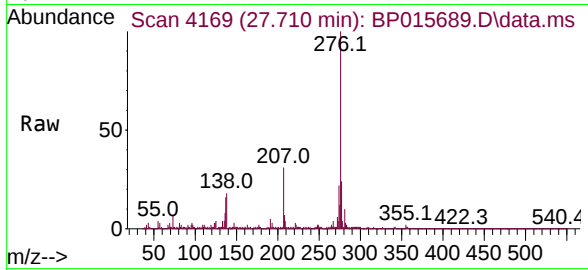
Tgt Ion:278 Resp: 368261
 Ion Ratio Lower Upper
 278 100
 139 19.2 11.4 17.0#
 279 30.0 18.7 28.1#





#96
 Benzo(g,h,i)perylene
 Concen: 29.700 ng/ul
 RT: 27.710 min Scan# 4169
 Delta R.T. 0.030 min
 Lab File: BP015689.D
 Acq: 24 Jun 2023 01:39

Instrument :
 BNA_P
 ClientSampleId :
 DCFM7



Tgt Ion: 276 Resp: 125818

Ion	Ratio	Lower	Upper
276	100		
138	18.1	15.6	23.4
277	24.3	19.0	28.6

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/26/2023
 Supervised By :mohammad ahmed 06/27/2023

