

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062223\
 Data File : BP015659.D
 Acq On : 22 Jun 2023 21:52
 Operator : MA/JU
 Sample : 03083-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCFL0

Manual Integrations
 APPROVED

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

Quant Time: Jun 22 23:42:14 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	114085	20.000	ng/u1	0.00
20) Naphthalene-d8	10.904	136	412731	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.728	164	205696	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.492	188	409799	20.000	ng/u1	0.00
79) Chrysene-d12	21.580	240	400903	20.000	ng/u1	0.00
88) Perylene-d12	24.139	264	512295	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	9468	3.073	ng/uL	0.00
4) Pyridine-d5	3.846	84	80150	10.016	ng/u1	0.00
7) Phenol-d5	7.246	99	160576	15.278	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.399	67	108374	17.265	ng/u1	0.00
11) 2-Chlorophenol-d4	7.605	132	137657	18.065	ng/u1	0.00
15) 4-Methylphenol-d8	8.805	113	114603	13.286	ng/u1	0.00
21) Nitrobenzene-d5	9.263	128	63777	19.682	ng/u1	0.00
24) 2-Nitrophenol-d4	9.993	143	70984	19.183	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.540	165	109498	16.221	ng/u1	0.00
31) 4-Chloroaniline-d4	11.069	131	81823	8.445	ng/u1	0.02
46) Dimethylphthalate-d6	14.134	166	330540	20.378	ng/u1	0.00
49) Acenaphthylene-d8	14.422	160	379478	21.396	ng/u1	0.00
54) 4-Nitrophenol-d4	14.981	143	26217m	9.026	ng/u1	0.03
60) Fluorene-d10	15.722	176	268855	19.656	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.869	200	31219m	12.025	ng/u1	0.00
73) Anthracene-d10	17.586	188	379987	20.380	ng/u1	0.00
81) Pyrene-d10	19.816	212	465558	21.697	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.968	264	535525	20.834	ng/u1	0.00
Target Compounds						Qvalue
30) Naphthalene	10.957	128	64021	2.863	ng/u1	98
36) 2-Methylnaphthalene	12.569	142	19953	1.269	ng/u1	95
37) 1-Methylnaphthalene	12.781	142	18598	1.175	ng/u1#	97
50) Acenaphthylene	14.451	152	25043	1.275	ng/u1#	97
52) Acenaphthene	14.792	153	109564	8.070	ng/u1	99
61) Fluorene	15.781	166	97121	6.191	ng/u1	100
72) Phenanthrene	17.533	178	1782782	81.067	ng/u1	99
74) Anthracene	17.622	178	393599	17.640	ng/u1	99
80) Fluoranthene	19.492	202	3409719	130.457	ng/u1	97
82) Pyrene	19.845	202	2712328	100.306	ng/u1	96
85) Benzo(a)anthracene	21.563	228	1828528	65.244	ng/u1	99
87) Chrysene	21.621	228	1667555	62.948	ng/u1	97
90) Benzo(b)fluoranthene	23.357	252	2529342	76.488	ng/u1	97
91) Benzo(k)fluoranthene	23.398	252	835971m	26.152	ng/u1	
93) Benzo(a)pyrene	24.027	252	1668377	57.867	ng/u1	99
94) Indeno(1,2,3-cd)pyrene	26.851	276	1319423	35.362	ng/u1#	94
95) Dibenzo(a,h)anthracene	26.851	278	367391	12.086	ng/u1#	80
96) Benzo(g,h,i)perylene	27.692	276	1183156	38.478	ng/u1	96

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

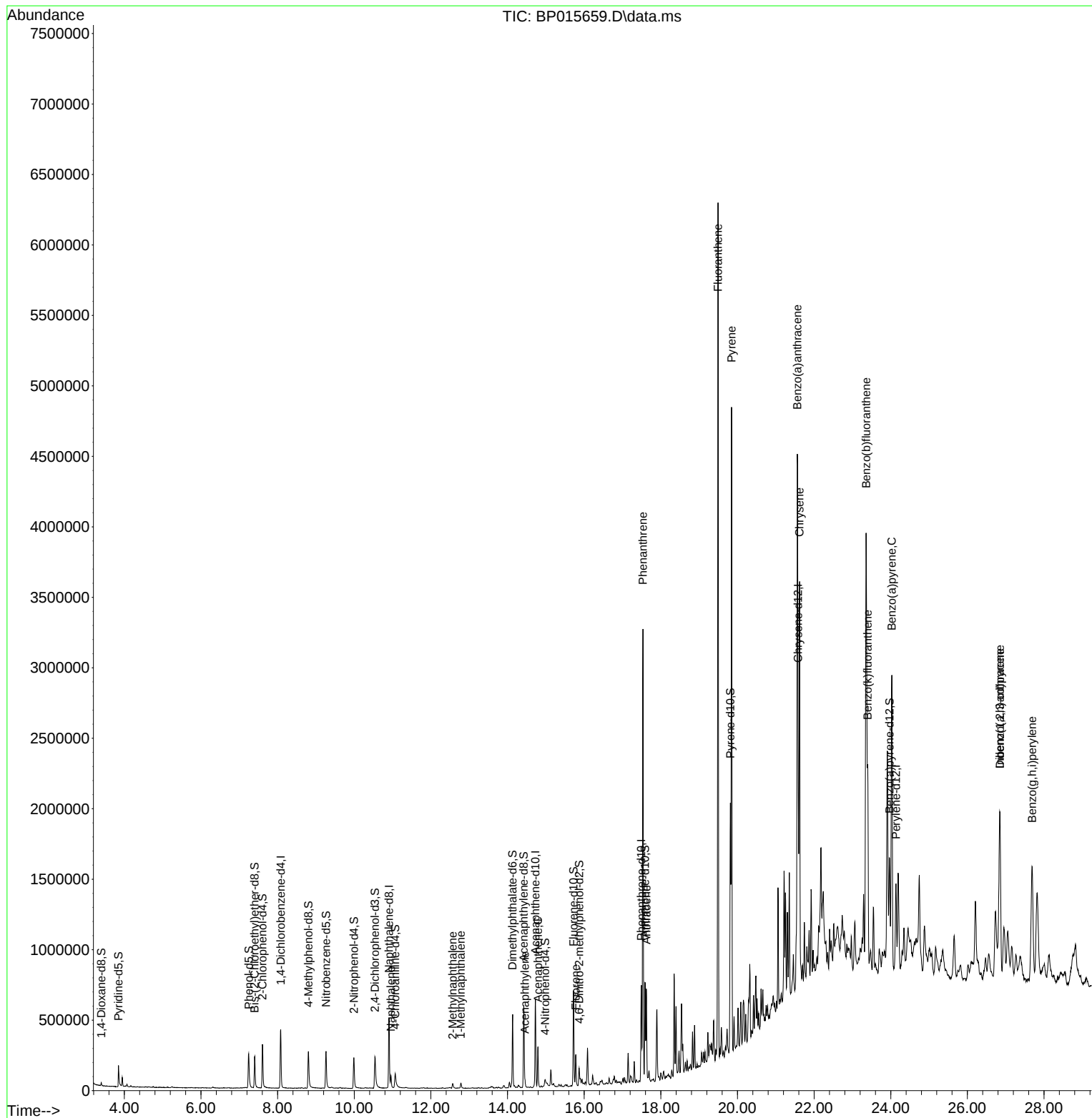
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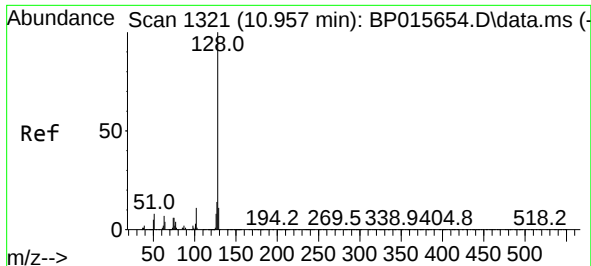
Instrument :
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 ClientSampleId :
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Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/23/2023
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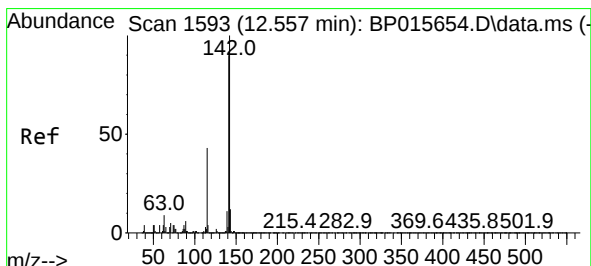
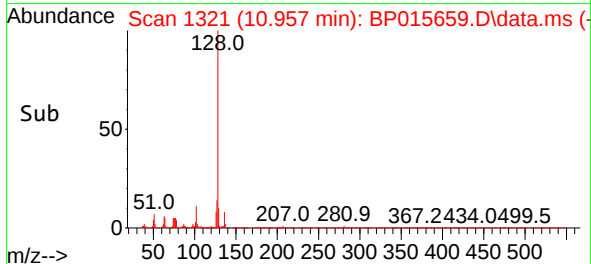
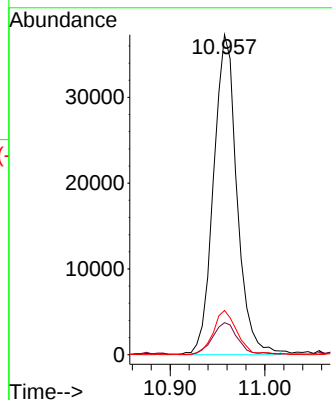
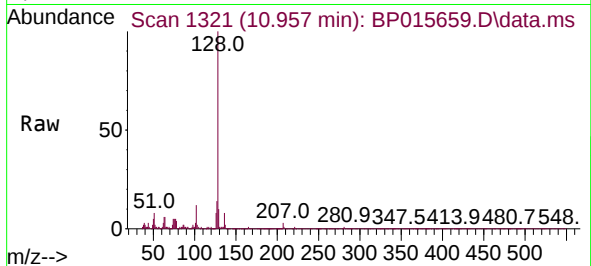
#30
Naphthalene
Concen: 2.863 ng/ul
RT: 10.957 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

Instrument :
BNA_P
ClientSampleId :
DCFL0

Tgt Ion:128 Resp: 6402
Ion Ratio Lower Upper
128 100
129 10.0 8.6 13.0
127 13.8 10.5 15.7

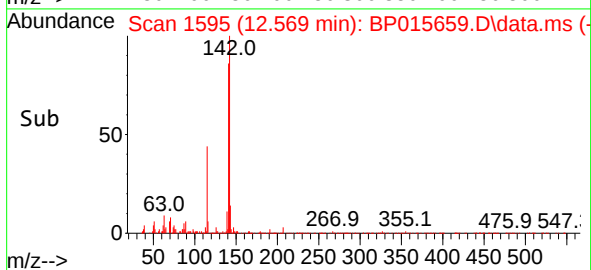
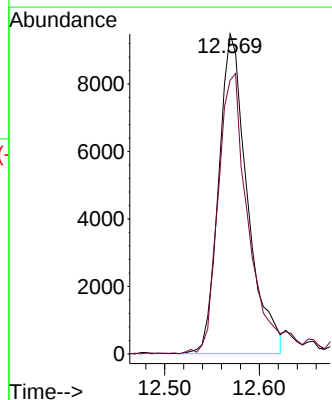
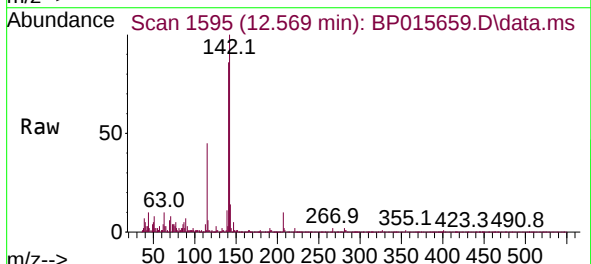
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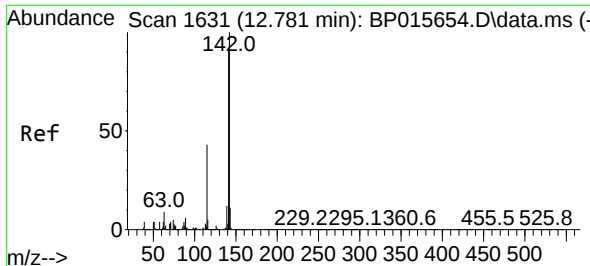
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#36
2-Methylnaphthalene
Concen: 1.269 ng/ul
RT: 12.569 min Scan# 1595
Delta R.T. 0.006 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

Tgt Ion:142 Resp: 19953
Ion Ratio Lower Upper
142 100
141 85.5 72.0 108.0





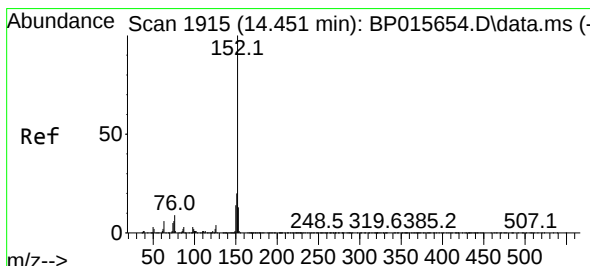
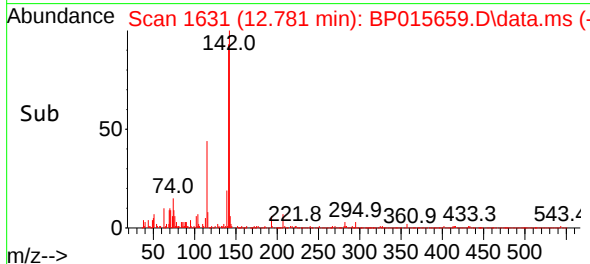
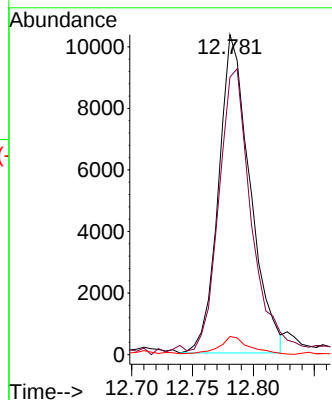
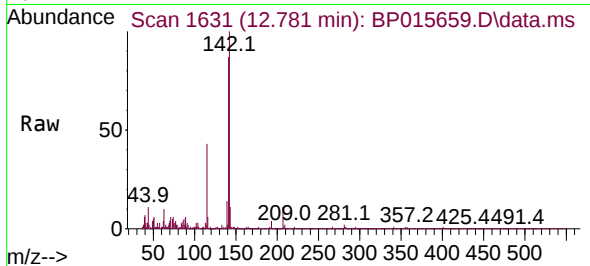
#37
1-Methylnaphthalene
Concen: 1.175 ng/ul
RT: 12.781 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

Instrument :
BNA_P
ClientSampleId :
DCFL0

Tgt Ion:142 Resp: 18598
Ion Ratio Lower Upper
142 100
141 86.8 71.9 107.9
116 5.7 3.4 5.2

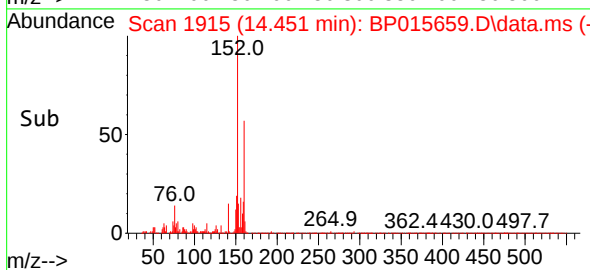
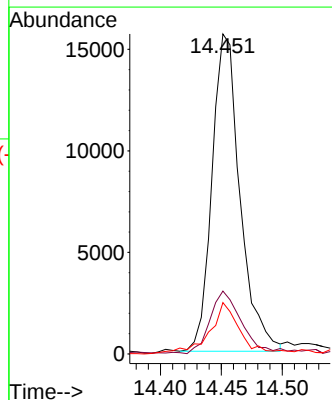
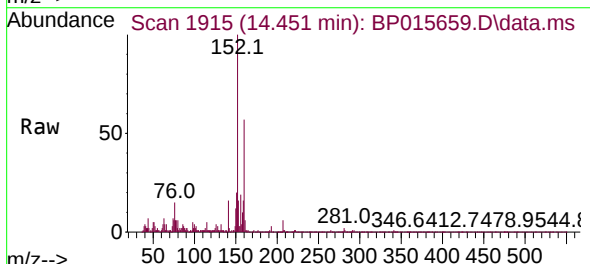
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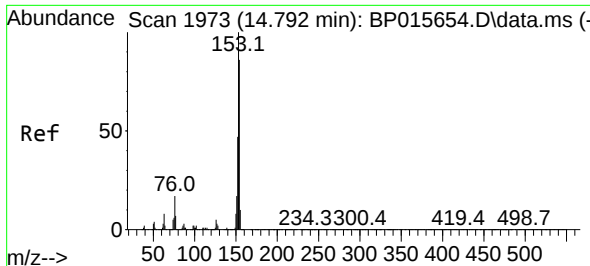
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#50
Acenaphthylene
Concen: 1.275 ng/ul
RT: 14.451 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

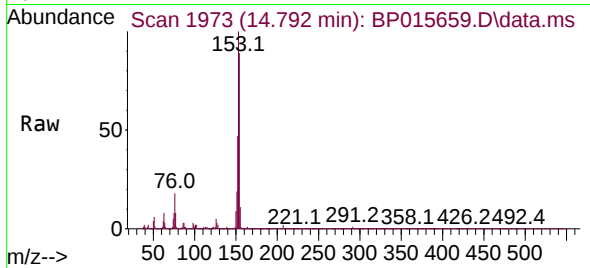
Tgt Ion:152 Resp: 25043
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 16.0 10.6 15.8





#52
Acenaphthene
Concen: 8.070 ng/ul
RT: 14.792 min Scan# 1973
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

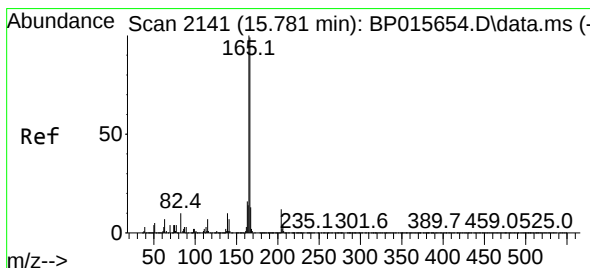
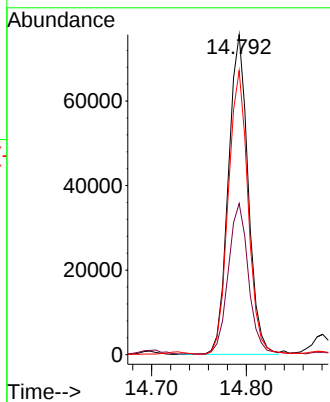
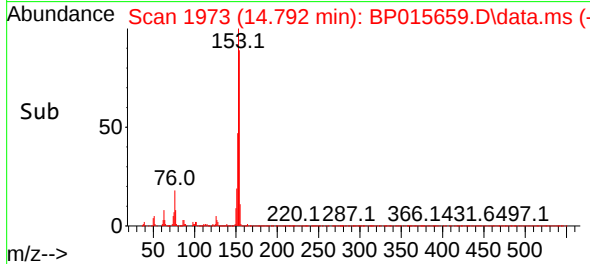
Instrument :
BNA_P
ClientSampleId :
DCFL0



Tgt Ion:153 Resp: 109564
Ion Ratio Lower Upper
153 100
152 47.3 38.3 57.5
154 88.8 69.8 104.6

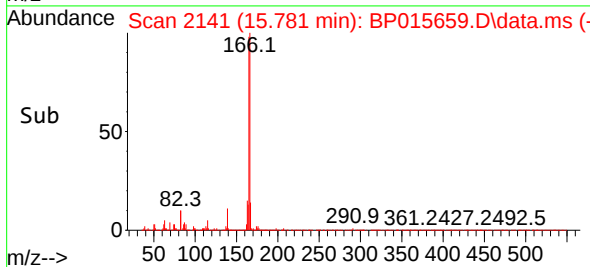
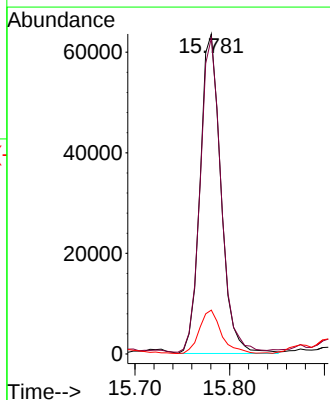
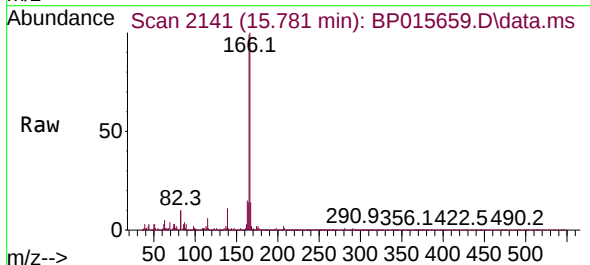
Manual Integrations
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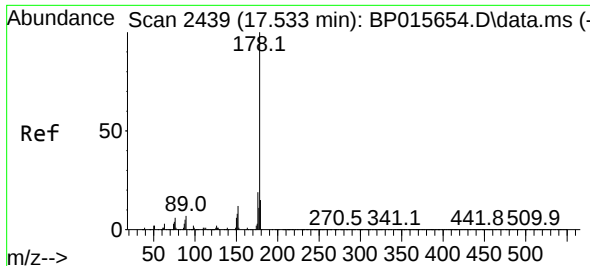
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#61
Fluorene
Concen: 6.191 ng/ul
RT: 15.781 min Scan# 2141
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

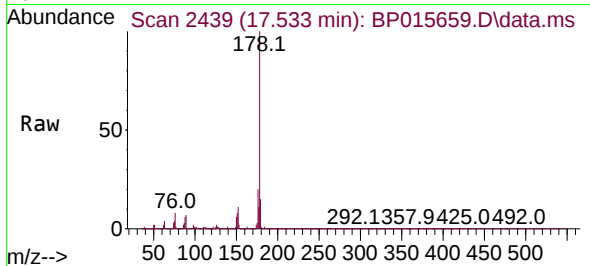
Tgt Ion:166 Resp: 97121
Ion Ratio Lower Upper
166 100
165 98.7 79.1 118.7
167 13.7 10.6 16.0





#72
Phenanthrene
Concen: 81.067 ng/u1
RT: 17.533 min Scan# 2439
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

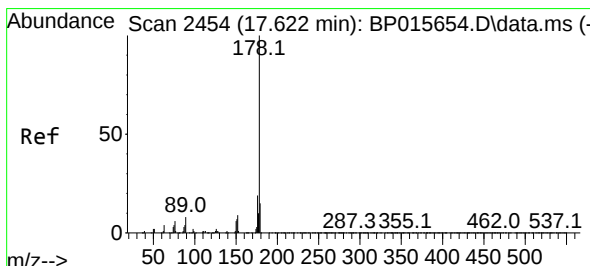
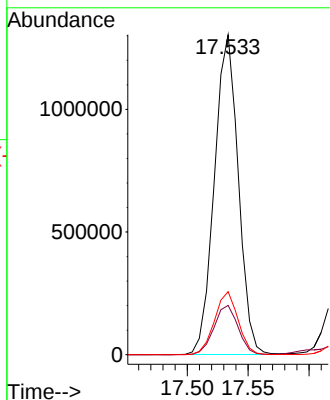
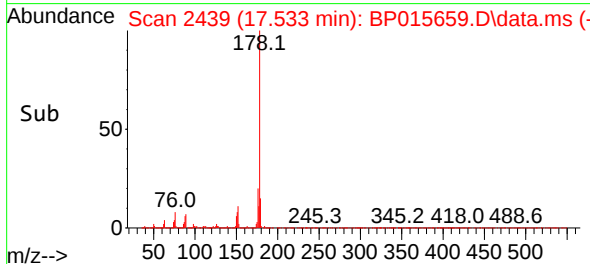
Instrument :
BNA_P
ClientSampleId :
DCFL0



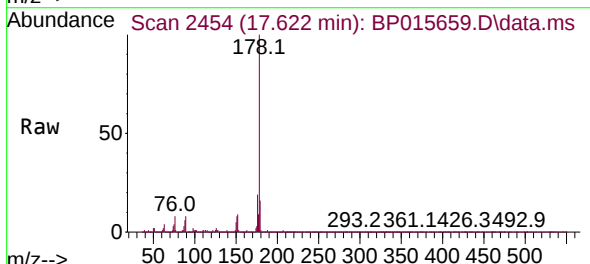
Tgt Ion:178 Resp: 178278
Ion Ratio Lower Upper
178 100
179 15.4 12.3 18.5
176 19.7 15.4 23.0

Manual Integrations
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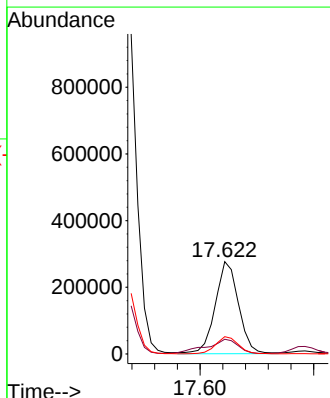
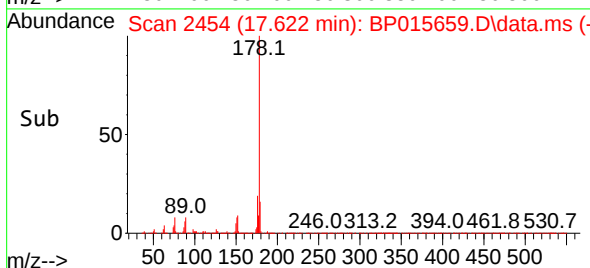
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Supervised By :mohammad ahmed 06/23/2023

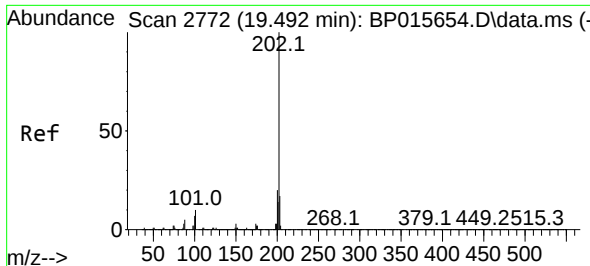


#74
Anthracene
Concen: 17.640 ng/u1
RT: 17.622 min Scan# 2454
Delta R.T. -0.006 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52



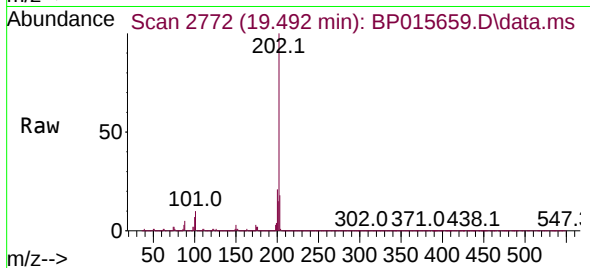
Tgt Ion:178 Resp: 393599
Ion Ratio Lower Upper
178 100
179 16.0 12.4 18.6
176 18.6 15.0 22.4





#80
Fluoranthene
Concen: 130.457 ng/u1
RT: 19.492 min Scan# 2772
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

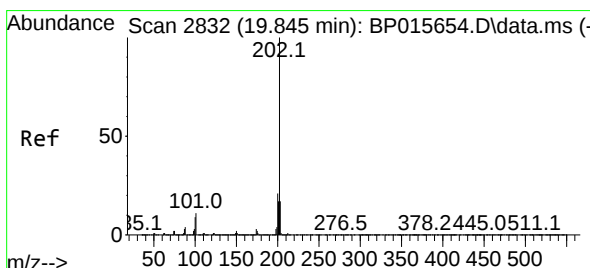
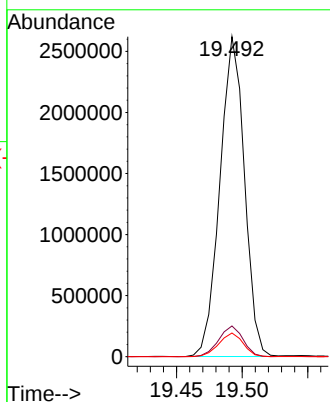
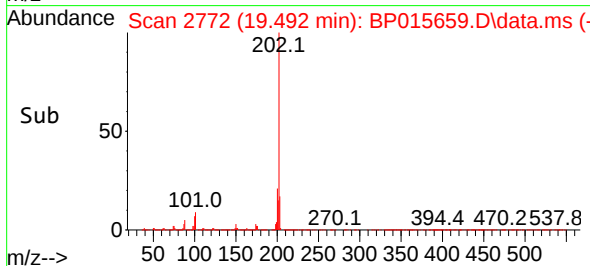
Instrument :
BNA_P
ClientSampleId :
DCFL0



Tgt Ion:202 Resp: 3409719
Ion Ratio Lower Upper
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101 9.6 8.6 13.0
100 7.4 6.6 9.8

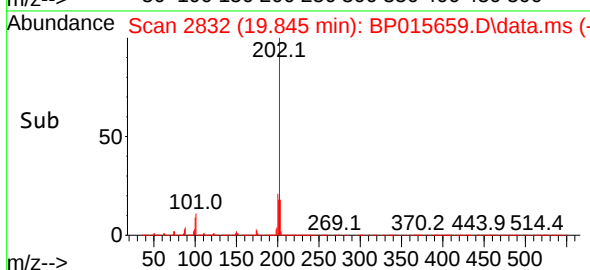
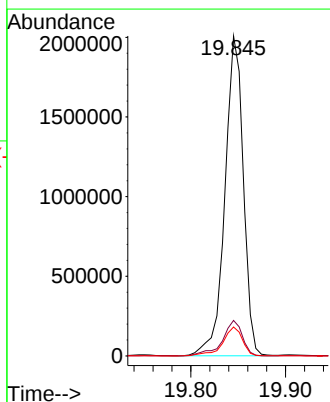
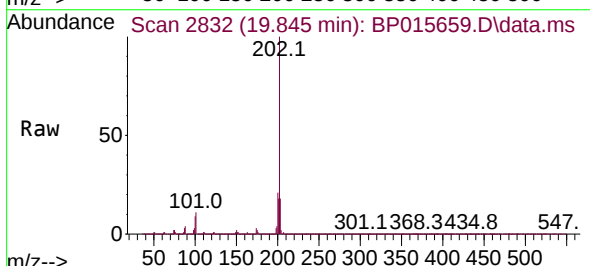
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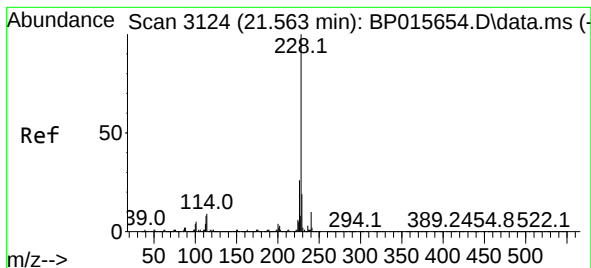
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#82
Pyrene
Concen: 100.306 ng/u1
RT: 19.845 min Scan# 2832
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

Tgt Ion:202 Resp: 2712328
Ion Ratio Lower Upper
202 100
101 11.1 9.9 14.9
100 9.0 8.4 12.6





#85

Benzo(a)anthracene

Concen: 65.244 ng/u1

RT: 21.563 min Scan# 3124

Delta R.T. 0.000 min

Lab File: BP015659.D

Acq: 22 Jun 2023 21:52

Instrument :

BNA_P

ClientSampleId :

DCFL0

Tgt Ion:228 Resp: 1828528

Ion Ratio Lower Upper

228 100

229 20.4 15.8 23.6

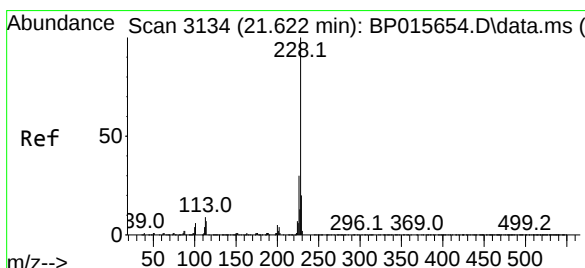
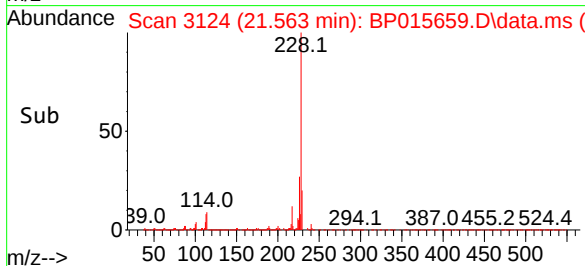
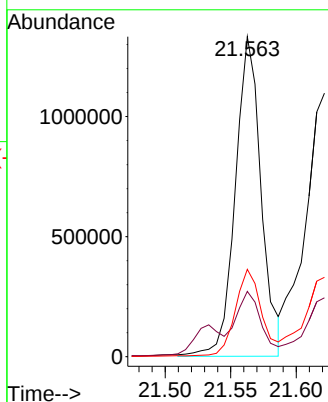
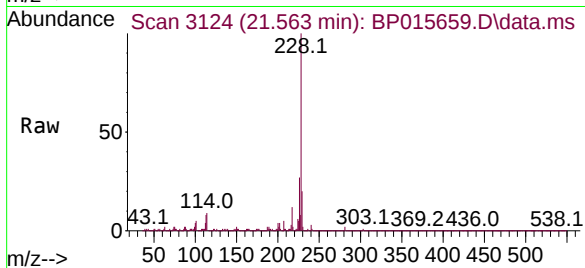
226 27.3 21.8 32.6

Manual Integrations

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#87

Chrysene

Concen: 62.948 ng/u1

RT: 21.621 min Scan# 3134

Delta R.T. 0.000 min

Lab File: BP015659.D

Acq: 22 Jun 2023 21:52

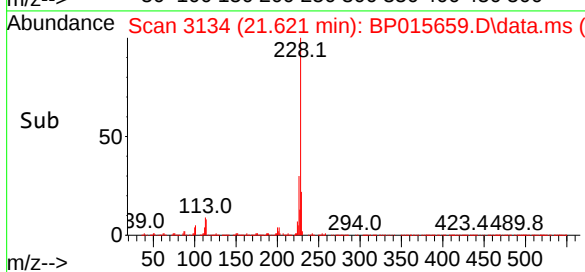
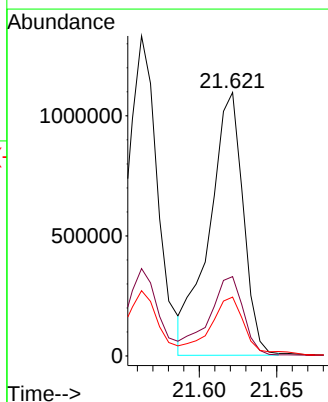
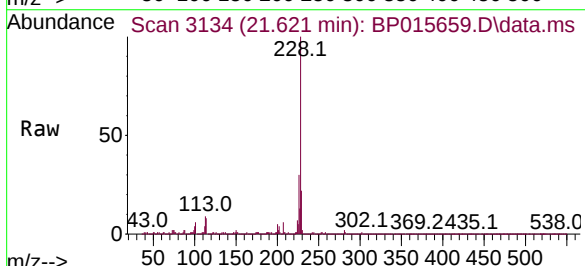
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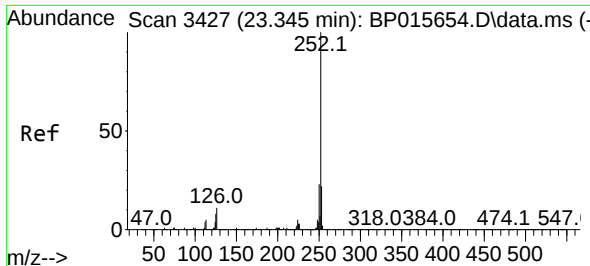
Ion Ratio Lower Upper

228 100

226 30.1 23.9 35.9

229 22.3 15.1 22.7





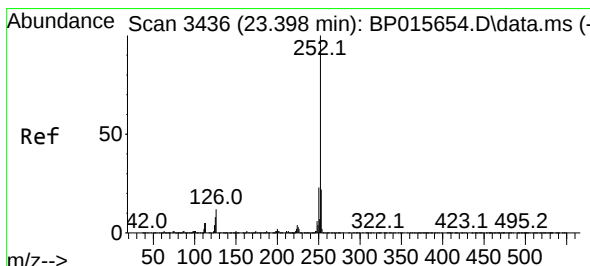
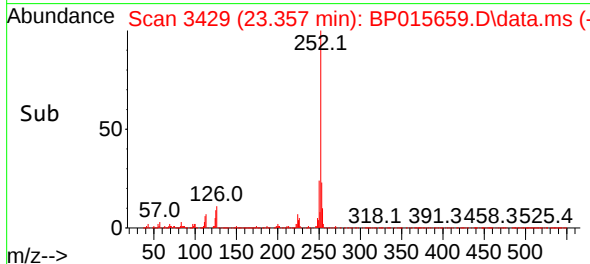
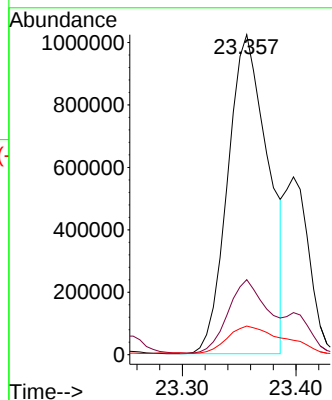
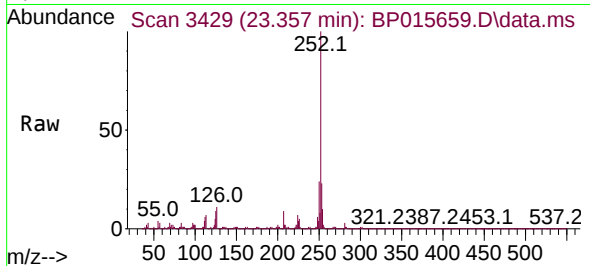
#90
Benzo(b)fluoranthene
Concen: 76.488 ng/ul
RT: 23.357 min Scan# 3427
Delta R.T. 0.012 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

Instrument :
BNA_P
ClientSampleId :
DCFL0

Tgt Ion:252 Resp: 252934
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 9.0 7.3 10.9

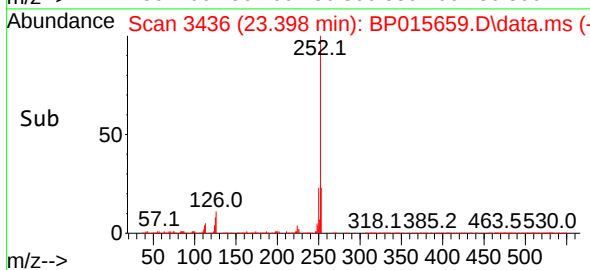
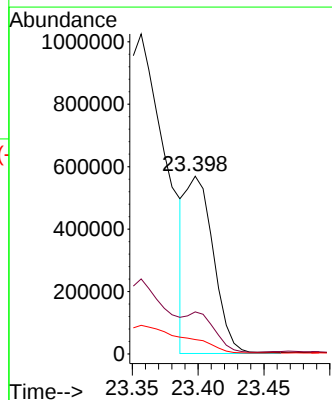
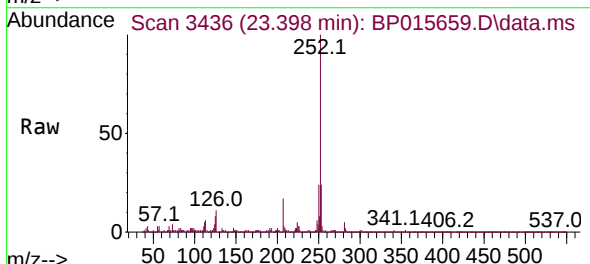
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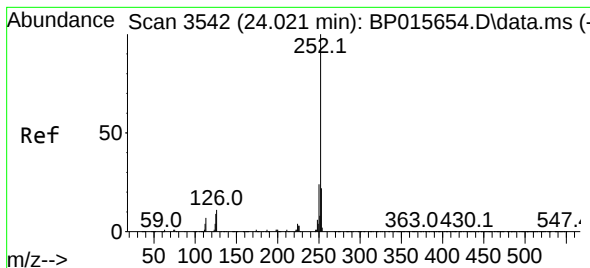
Reviewed By :Yogesh Patel 06/23/2023
Supervised By :mohammad ahmed 06/23/2023



#91
Benzo(k)fluoranthene
Concen: 26.152 ng/ul m
RT: 23.398 min Scan# 3436
Delta R.T. 0.000 min
Lab File: BP015659.D
Acq: 22 Jun 2023 21:52

Tgt Ion:252 Resp: 835971
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 8.1 7.3 10.9





#93

Benzo(a)pyrene

Concen: 57.867 ng/ul

RT: 24.027 min Scan# 3542

Delta R.T. 0.006 min

Lab File: BP015659.D

Acq: 22 Jun 2023 21:52

Instrument :

BNA_P

ClientSampleId :

DCFL0

Tgt Ion:252 Resp: 166837

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

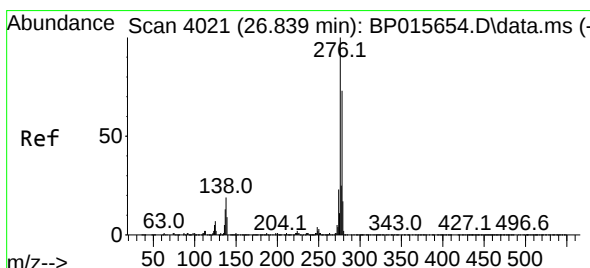
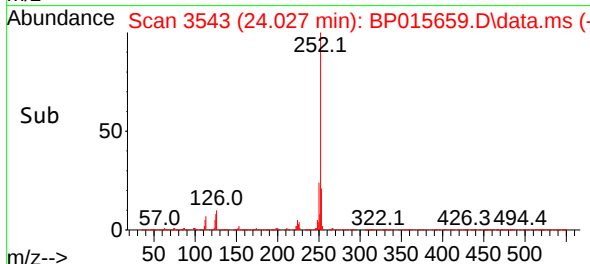
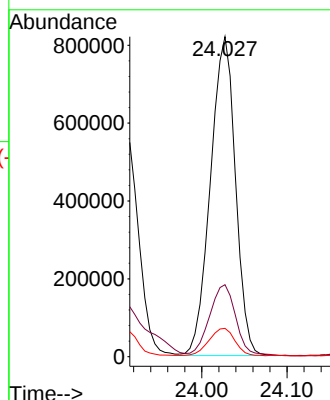
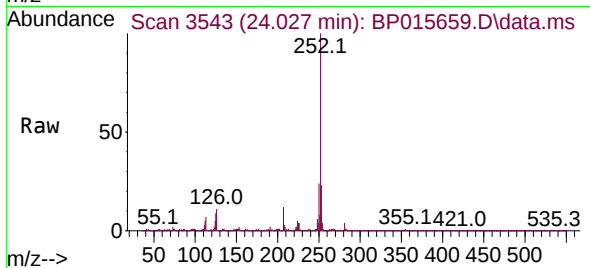
125 8.9 8.1 12.1

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Reviewed By :Yogesh Patel 06/23/2023

Supervised By :mohammad ahmed 06/23/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 35.362 ng/ul

RT: 26.851 min Scan# 4023

Delta R.T. 0.012 min

Lab File: BP015659.D

Acq: 22 Jun 2023 21:52

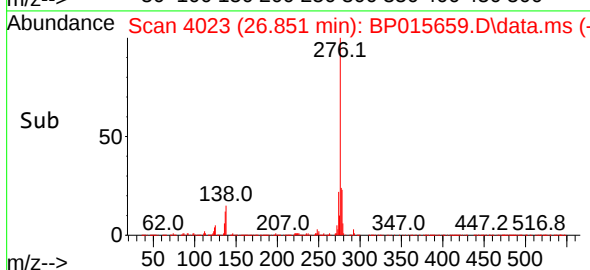
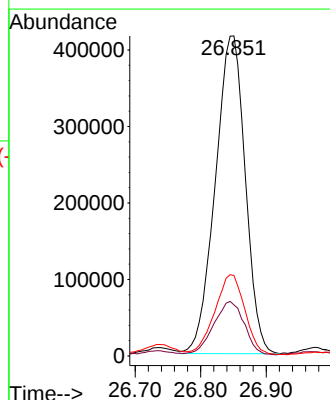
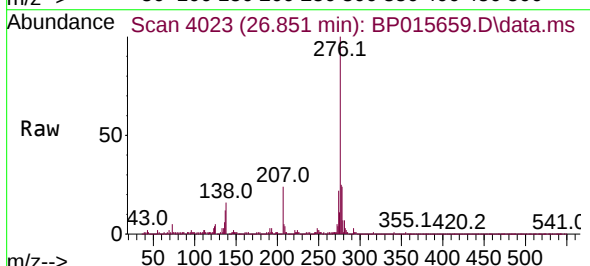
Tgt Ion:276 Resp: 1319423

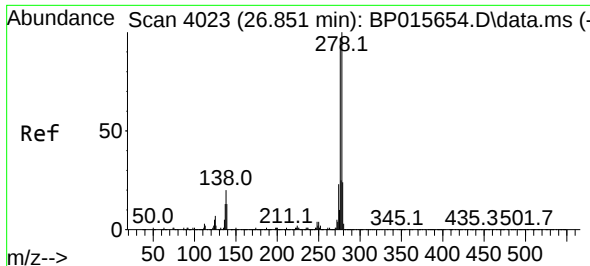
Ion Ratio Lower Upper

276 100

138 15.9 17.3 25.9

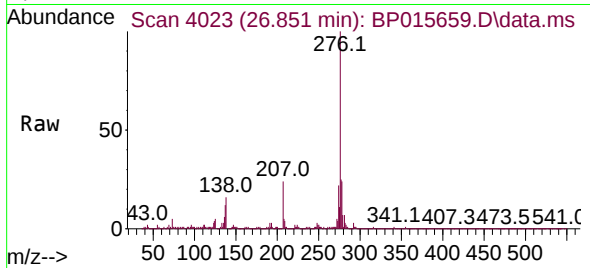
277 25.2 20.2 30.2





#95
 Dibenzo(a,h)anthracene
 Concen: 12.086 ng/ul
 RT: 26.851 min Scan# 4023
 Delta R.T. 0.000 min
 Lab File: BP015659.D
 Acq: 22 Jun 2023 21:52

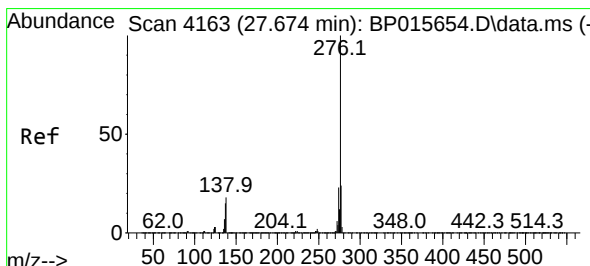
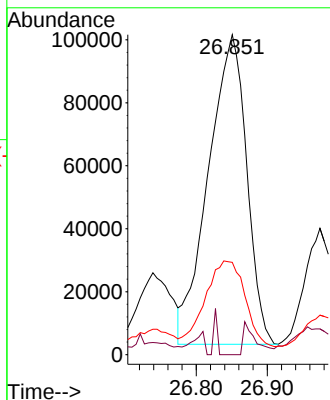
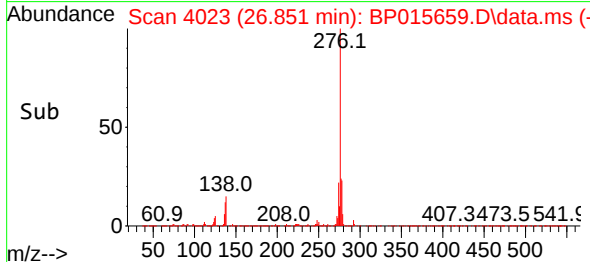
Instrument :
 BNA_P
 ClientSampleId :
 DCFL0



Tgt Ion:278 Resp: 36739
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.4 17.0
 279 28.9 18.7 28.1

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



#96
 Benzo(g,h,i)perylene
 Concen: 38.478 ng/ul
 RT: 27.692 min Scan# 4166
 Delta R.T. 0.012 min
 Lab File: BP015659.D
 Acq: 22 Jun 2023 21:52

Tgt Ion:276 Resp: 1183156
 Ion Ratio Lower Upper
 276 100
 138 16.7 15.6 23.4
 277 24.5 19.0 28.6

