

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP083123\
 Data File : BP016894.D
 Acq On : 31 Aug 2023 13:02
 Operator : MA/JU
 Sample : 04113-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EZYH8

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/01/2023
 Supervised By :mohammad ahmed 09/01/2023

Quant Time: Sep 01 01:18:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP082423.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 30 02:25:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.028	152	400190	20.000	ng/u1	0.00
20) Naphthalene-d8	10.857	136	1650056	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.681	164	996951	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.451	188	2026025	20.000	ng/u1	0.00
79) Chrysene-d12	21.557	240	1321231	20.000	ng/u1	0.02
88) Perylene-d12	24.139	264	1411074	20.000	ng/u1	0.03
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	26864	2.774	ng/uL	0.00
4) Pyridine-d5	3.840	84	20035m	0.677	ng/u1	0.03
7) Phenol-d5	7.175	99	500049	14.052	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.363	67	333267	14.694	ng/u1	0.00
11) 2-Chlorophenol-d4	7.546	132	396085	14.804	ng/u1	0.00
15) 4-Methylphenol-d8	8.734	113	360118	12.397	ng/u1	0.00
21) Nitrobenzene-d5	9.222	128	194465	15.587	ng/u1	0.00
24) 2-Nitrophenol-d4	9.940	143	189306	14.395	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.469	165	364682	14.875	ng/u1	0.00
31) 4-Chloroaniline-d4	11.016	131	145080	3.859	ng/u1	0.00
46) Dimethylphthalate-d6	14.092	166	1177064	15.656	ng/u1	0.00
49) Acenaphthylene-d8	14.381	160	1401088	16.485	ng/u1	0.00
54) 4-Nitrophenol-d4	14.898	143	63550m	4.089	ng/u1	0.01
60) Fluorene-d10	15.681	176	1070065	16.901	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.810	200	8439	0.699	ng/u1	0.01
73) Anthracene-d10	17.557	188	1614501	17.978	ng/u1	0.01
81) Pyrene-d10	19.792	212	1589041	21.898	ng/u1	0.02
92) Benzo(a)pyrene-d12	23.968	264	1229625	17.397	ng/u1	0.03
Target Compounds	Qvalue					
16) Acetophenone	8.875	105	143346	3.182	ng/u1	99
30) Naphthalene	10.910	128	258087	3.019	ng/u1	97
36) 2-Methylnaphthalene	12.510	142	216570	3.671	ng/u1	99
37) 1-Methylnaphthalene	12.728	142	163725	2.752	ng/u1#	97
50) Acenaphthylene	14.410	152	307570	3.162	ng/u1	99
52) Acenaphthene	14.745	153	196302	3.050	ng/u1	98
56) Dibenzofuran	15.081	168	148578	1.683	ng/u1	99
61) Fluorene	15.734	166	381571	5.166	ng/u1	100
72) Phenanthrene	17.498	178	4045786	37.931	ng/u1	99
74) Anthracene	17.592	178	1595051	14.790	ng/u1	100
77) Carbazole	17.869	167	222242	2.288	ng/u1	95
80) Fluoranthene	19.463	202	7559925	86.728	ng/u1	100
82) Pyrene	19.822	202	6702650	74.440	ng/u1	100
85) Benzo(a)anthracene	21.539	228	3900776	42.862	ng/u1	99
87) Chrysene	21.598	228	5034875	60.905	ng/u1	97
90) Benzo(b)fluoranthene	23.339	252	7197852	79.881	ng/u1	98
91) Benzo(k)fluoranthene	23.386	252	1994774m	22.384	ng/u1	
93) Benzo(a)pyrene	24.027	252	4268051	52.366	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.886	276	3843752	46.152	ng/u1	97
95) Dibenzo(a,h)anthracene	26.898	278	1058591	15.303	ng/u1#	90
96) Benzo(g,h,i)perylene	27.756	276	3829836	60.654	ng/u1	99

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

Instrument :

BNA_P

ClientSampleId :

EZYH8

Manual Integrations

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Supervised By :mohammad ahmed 09/01/2023

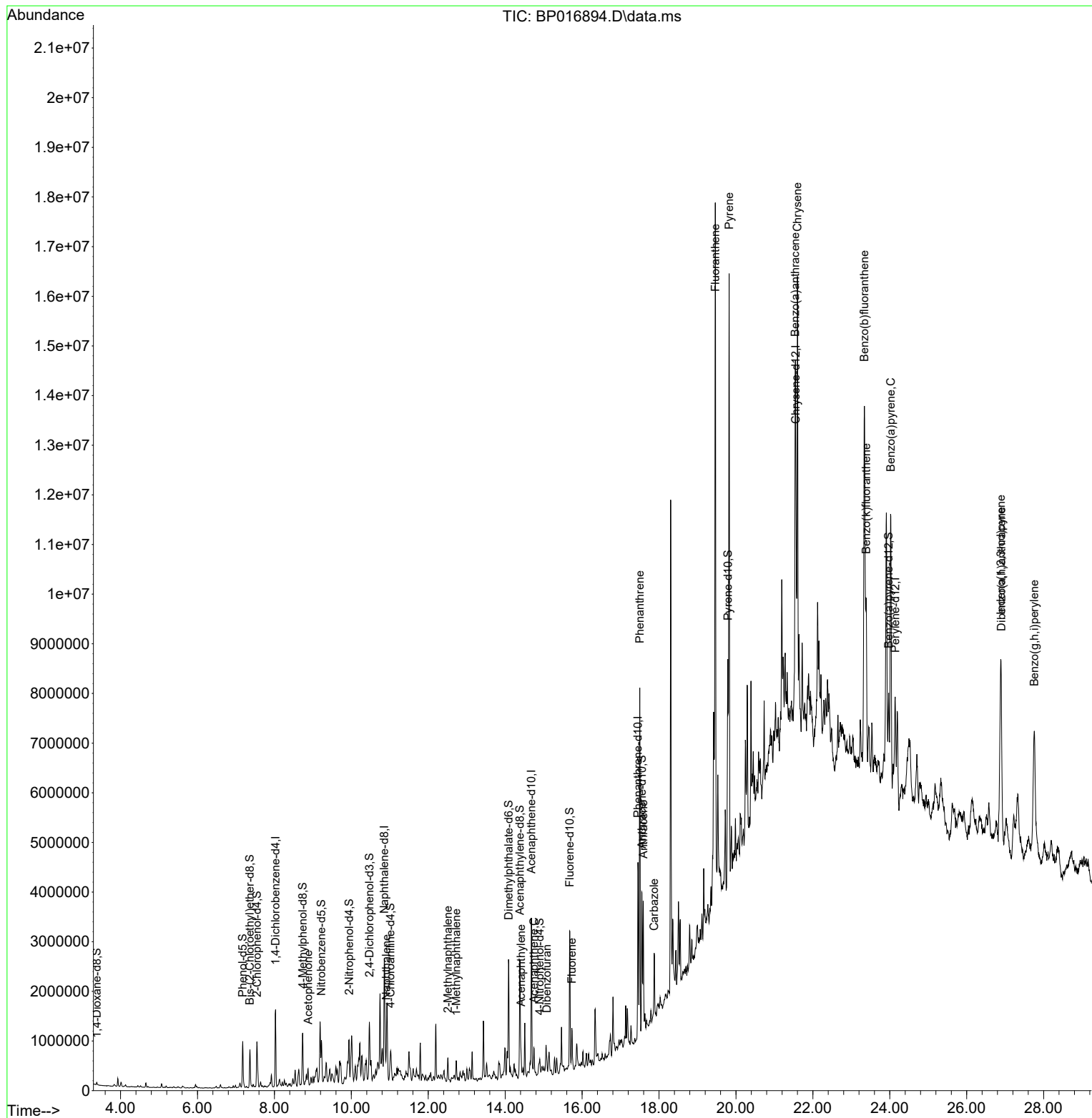
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP083123\
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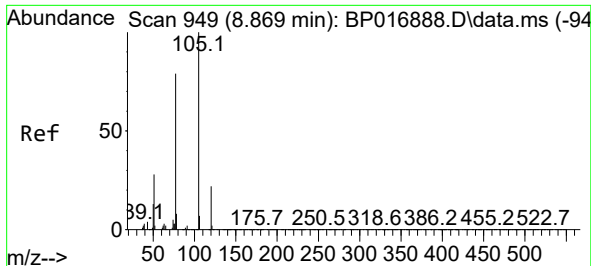
Instrument :
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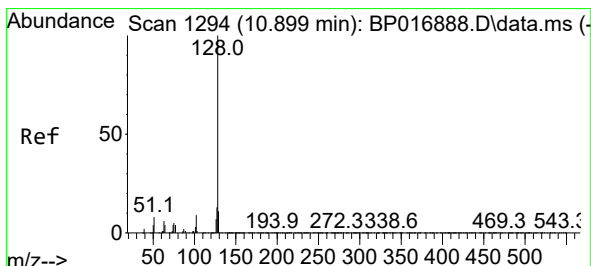
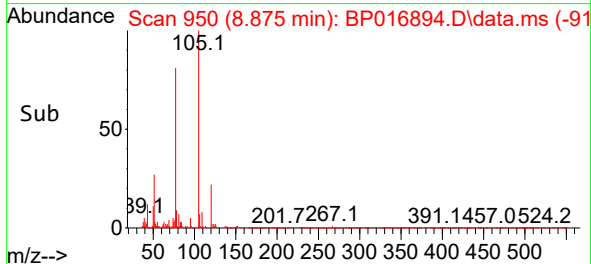
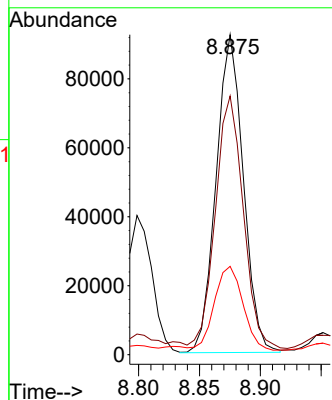
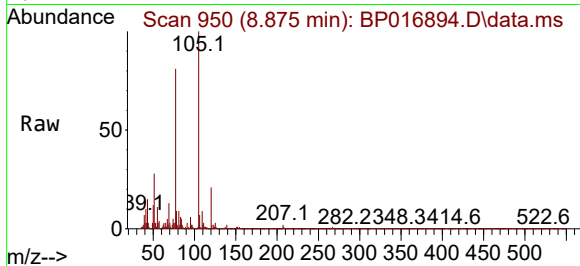
#16
Acetophenone
Concen: 3.182 ng/ul
RT: 8.875 min Scan# 91
Delta R.T. 0.000 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Instrument :
BNA_P
ClientSampleId :
EZYH8

Tgt Ion:105 Resp: 143340
Ion Ratio Lower Upper
105 100
77 80.9 64.2 96.4
51 27.6 22.2 33.4

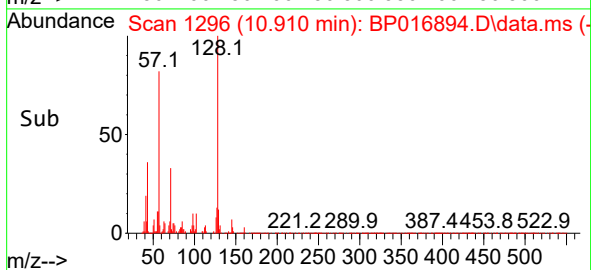
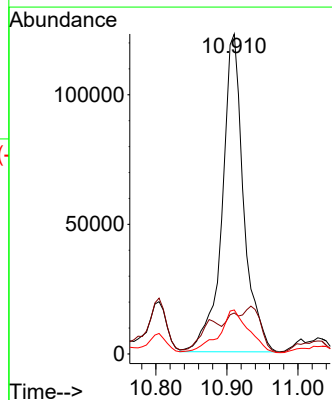
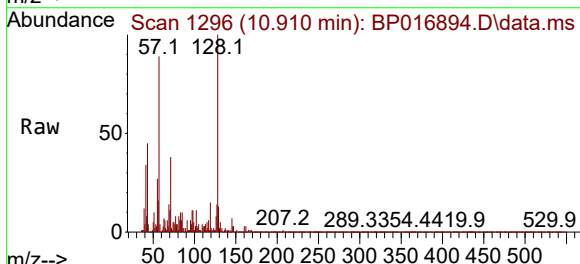
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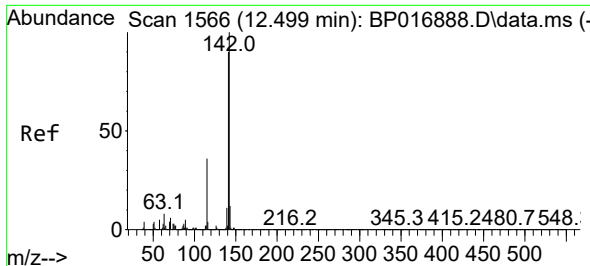
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#30
Naphthalene
Concen: 3.019 ng/ul
RT: 10.910 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Tgt Ion:128 Resp: 258087
Ion Ratio Lower Upper
128 100
129 12.8 8.8 13.2
127 13.7 10.3 15.5





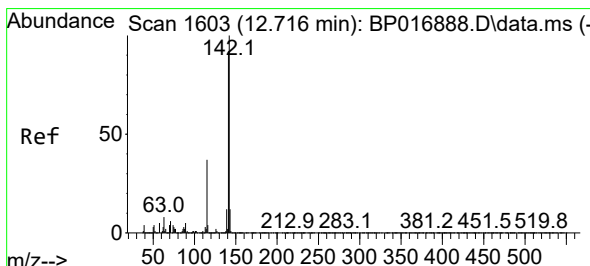
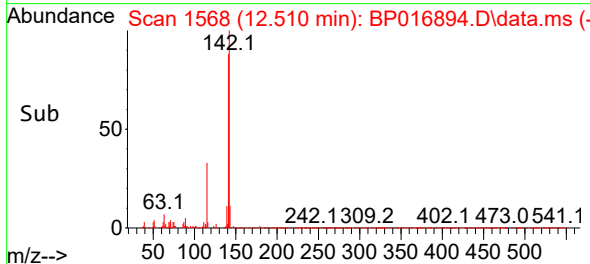
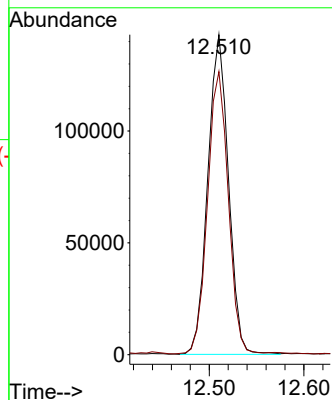
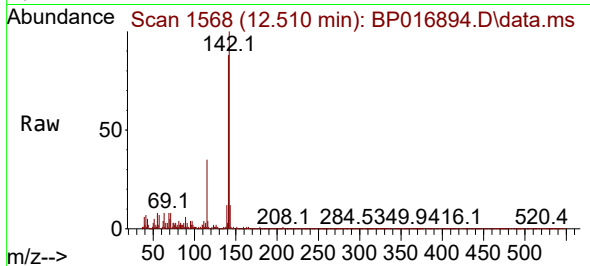
#36
2-Methylnaphthalene
Concen: 3.671 ng/ul
RT: 12.510 min Scan# 1566
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Instrument :
BNA_P
ClientSampleId :
EZYH8

Tgt Ion:142 Resp: 216570
Ion Ratio Lower Upper
142 100
141 88.4 71.4 107.0

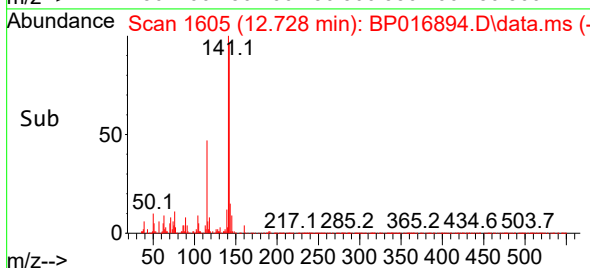
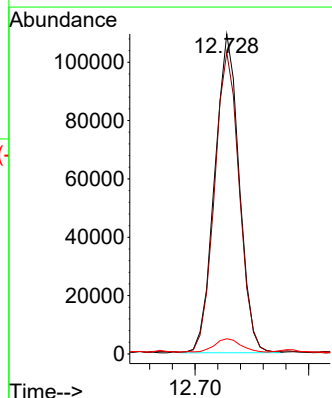
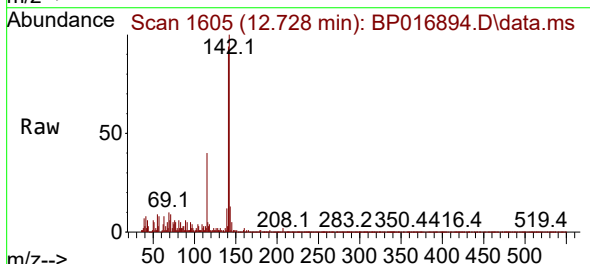
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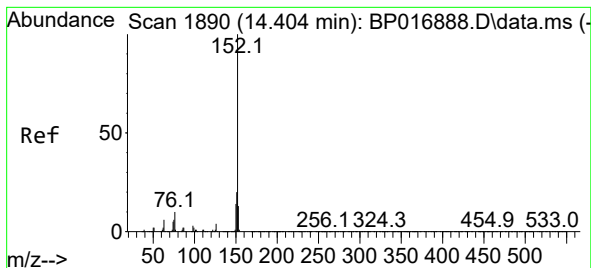
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#37
1-Methylnaphthalene
Concen: 2.752 ng/ul
RT: 12.728 min Scan# 1605
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

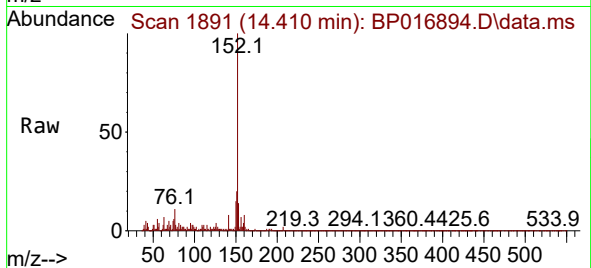
Tgt Ion:142 Resp: 163725
Ion Ratio Lower Upper
142 100
141 94.3 73.0 109.4
116 4.7 3.1 4.7#





#50
Acenaphthylene
Concen: 3.162 ng/ul
RT: 14.410 min Scan# 1891
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

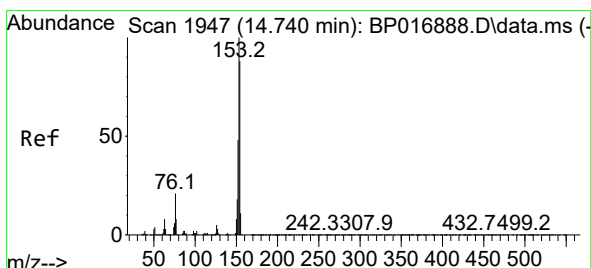
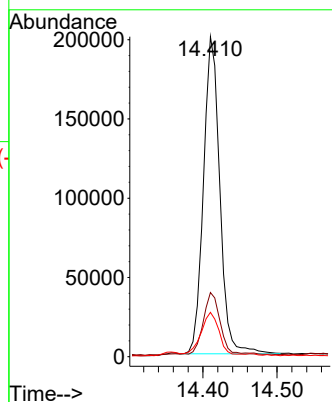
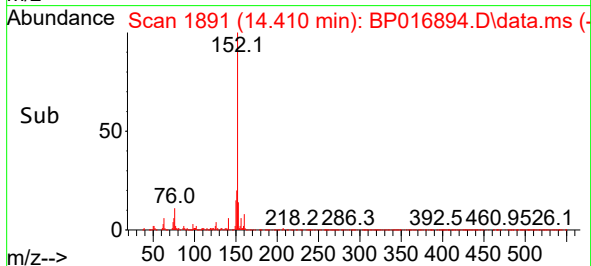
Instrument :
BNA_P
ClientSampleId :
EZYH8



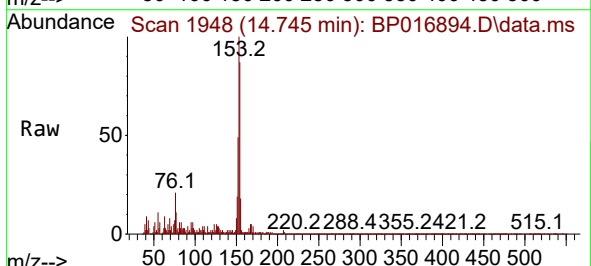
Tgt Ion:152 Resp: 307570
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 13.9 10.6 15.8

Manual Integrations
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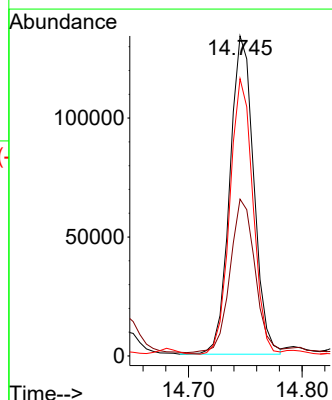
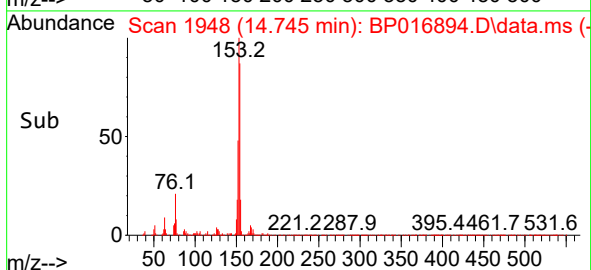
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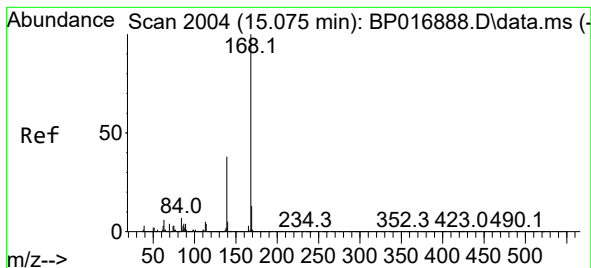


#52
Acenaphthene
Concen: 3.050 ng/ul
RT: 14.745 min Scan# 1948
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02



Tgt Ion:153 Resp: 196302
Ion Ratio Lower Upper
153 100
152 49.0 38.5 57.7
154 86.6 70.6 105.8





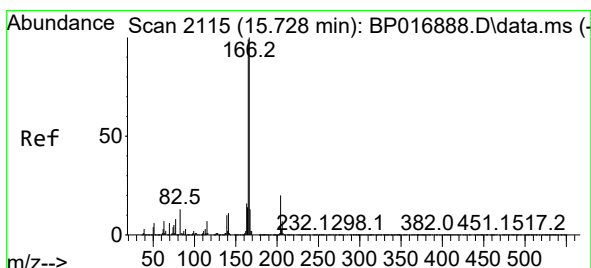
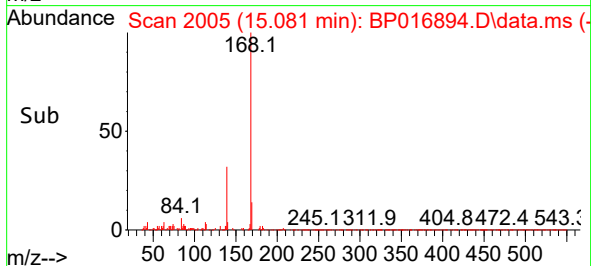
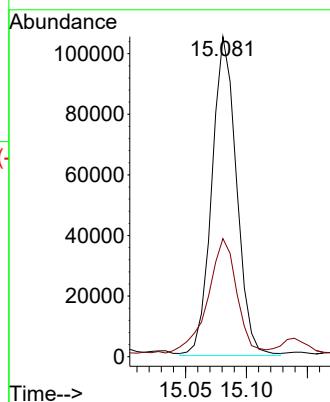
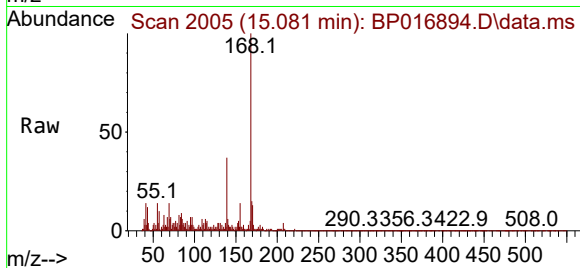
#56
Dibenzofuran
Concen: 1.683 ng/ul
RT: 15.081 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Instrument :
BNA_P
ClientSampleId :
EZYH8

Tgt Ion:168 Resp: 148578
Ion Ratio Lower Upper
168 100
139 36.9 29.2 43.8

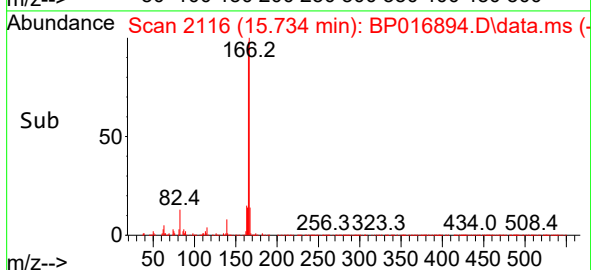
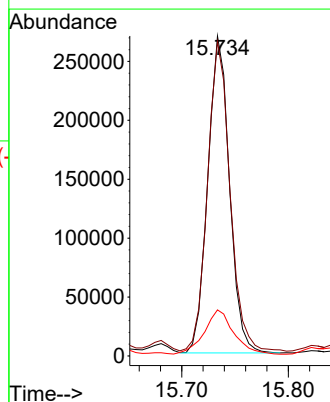
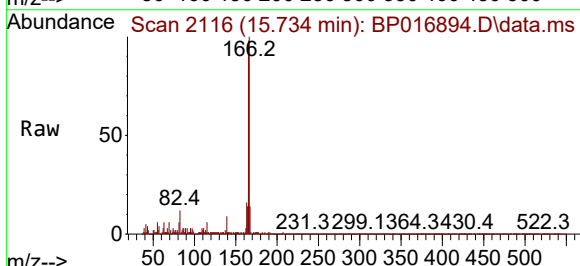
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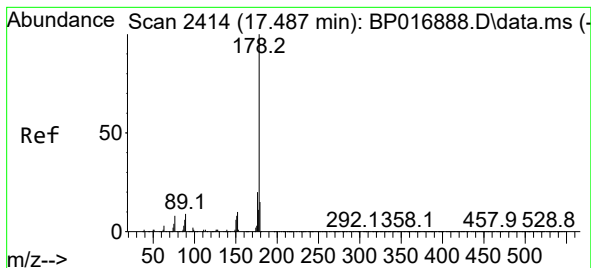
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023



#61
Fluorene
Concen: 5.166 ng/ul
RT: 15.734 min Scan# 2116
Delta R.T. 0.006 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Tgt Ion:166 Resp: 381571
Ion Ratio Lower Upper
166 100
165 98.3 78.8 118.2
167 14.4 10.9 16.3





#72

Phenanthrene

Concen: 37.931 ng/ul

RT: 17.498 min Scan# 2414

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

Tgt Ion:178 Resp: 4045780

Ion Ratio Lower Upper

178 100

179 15.9 12.4 18.6

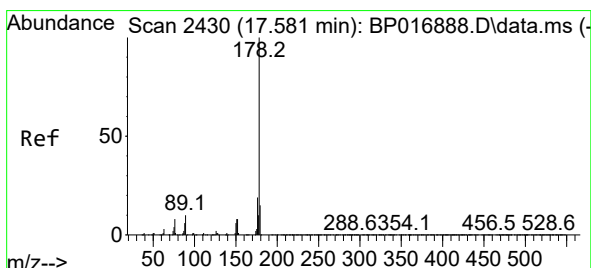
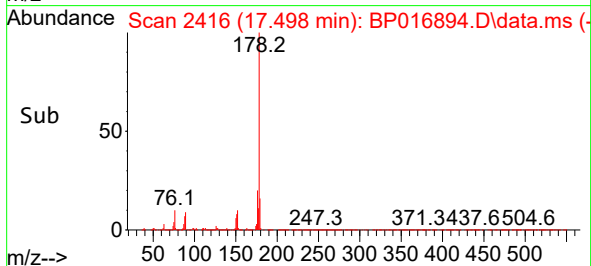
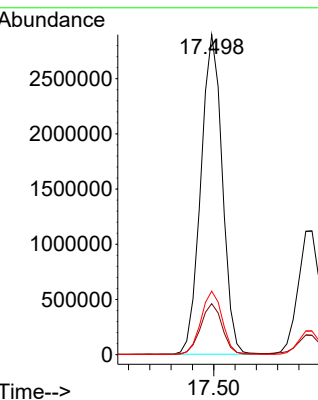
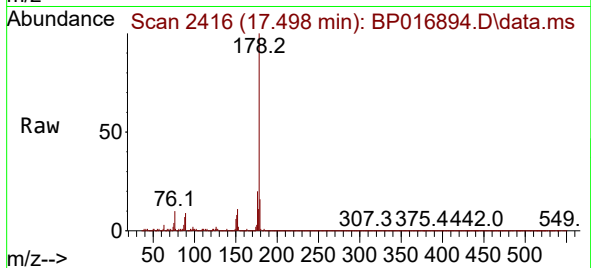
176 19.8 15.6 23.4

Manual Integrations

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Supervised By :mohammad ahmed 09/01/2023



#74

Anthracene

Concen: 14.790 ng/ul

RT: 17.592 min Scan# 2432

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

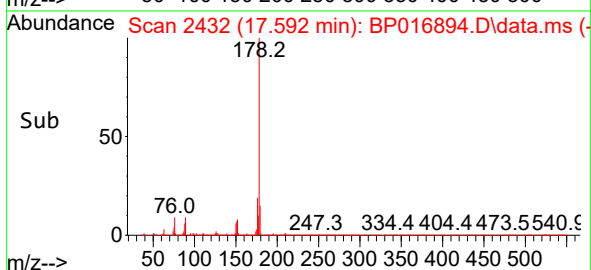
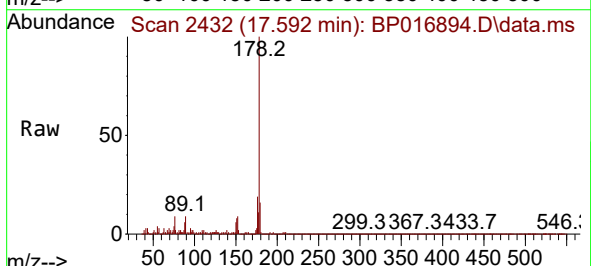
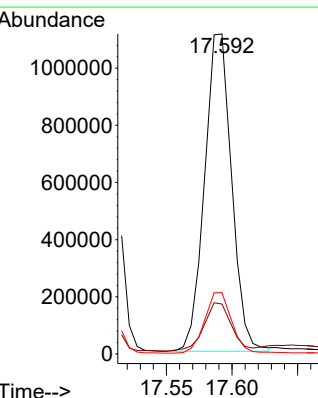
Tgt Ion:178 Resp: 1595051

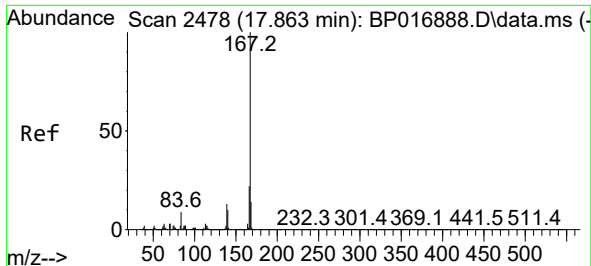
Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

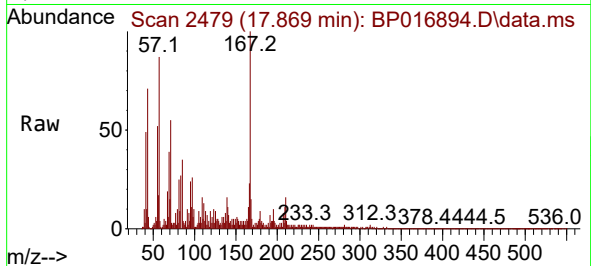
176 19.2 15.3 22.9





#77
 Carbazole
 Concen: 2.288 ng/ul
 RT: 17.869 min Scan# 2478
 Delta R.T. 0.006 min
 Lab File: BP016894.D
 Acq: 31 Aug 2023 13:02

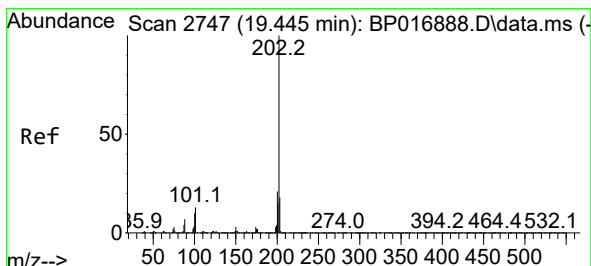
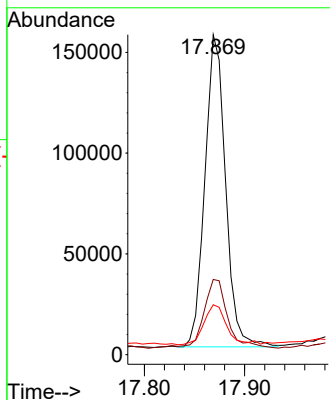
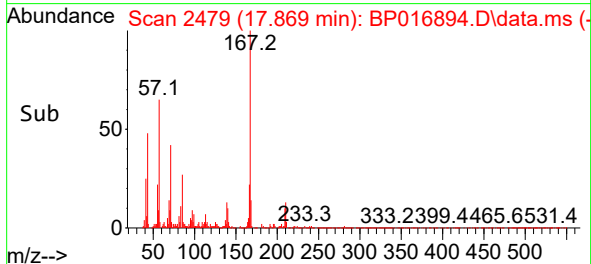
Instrument :
 BNA_P
 ClientSampleId :
 EZYH8



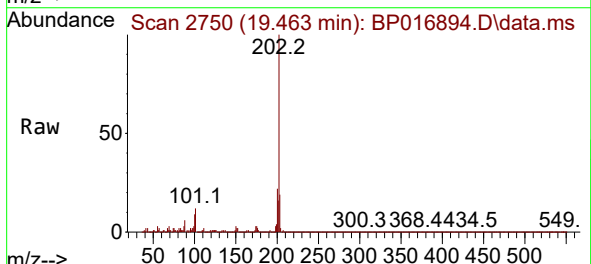
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 Ion Ratio Lower Upper
 167 100
 166 23.5 17.4 26.2
 139 15.6 10.4 15.6

Manual Integrations
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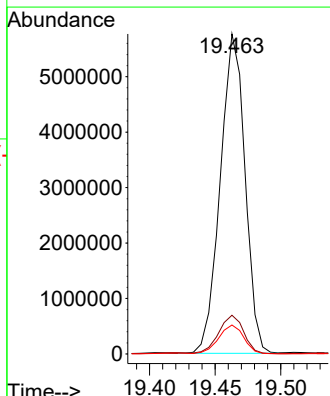
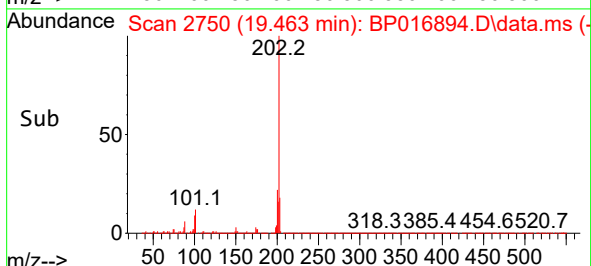
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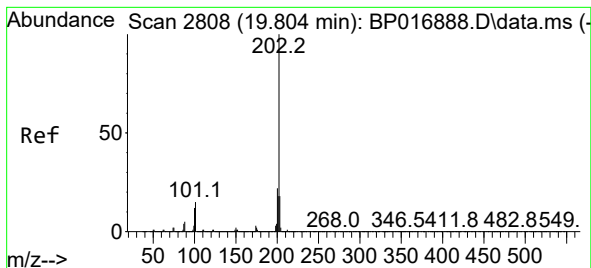


#80
 Fluoranthene
 Concen: 86.728 ng/ul
 RT: 19.463 min Scan# 2750
 Delta R.T. 0.012 min
 Lab File: BP016894.D
 Acq: 31 Aug 2023 13:02



Tgt Ion:202 Resp: 7559925
 Ion Ratio Lower Upper
 202 100
 101 12.1 9.7 14.5
 100 9.1 7.4 11.2





#82

Pyrene

Concen: 74.440 ng/ul

RT: 19.822 min Scan# 21

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

Tgt Ion:202 Resp: 6702650

Ion Ratio Lower Upper

202 100

101 14.3 11.4 17.2

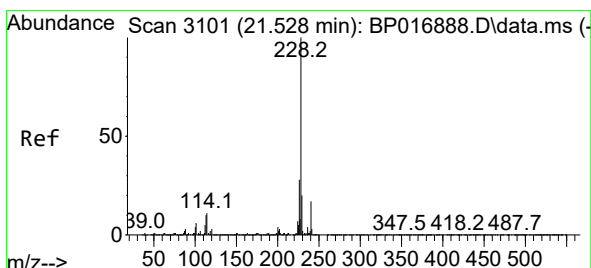
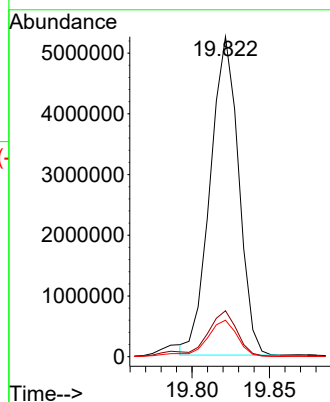
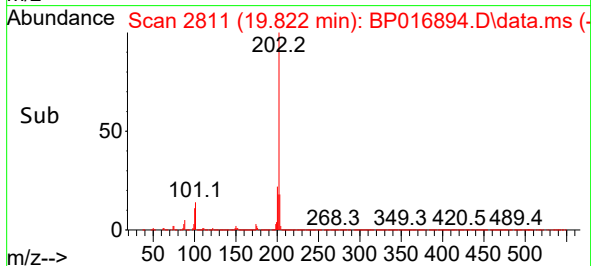
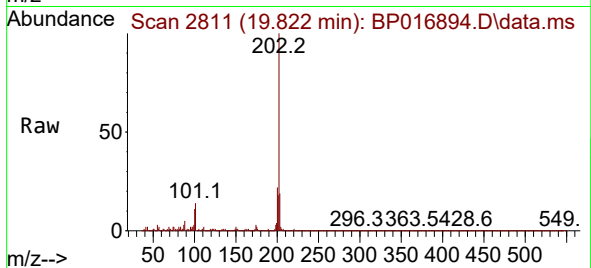
100 11.4 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#85

Benzo(a)anthracene

Concen: 42.862 ng/ul

RT: 21.539 min Scan# 3103

Delta R.T. 0.012 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

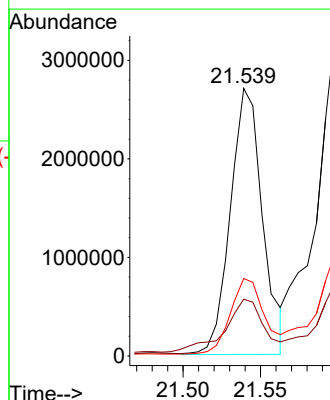
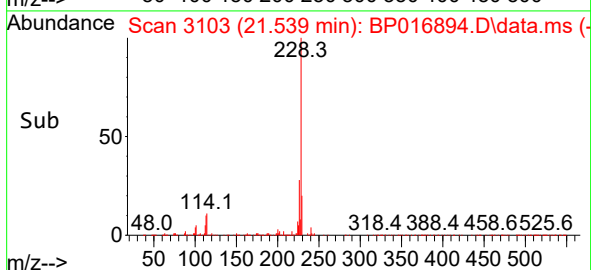
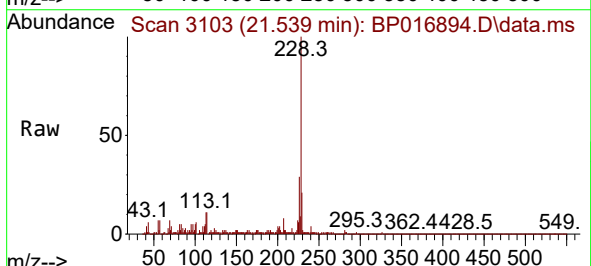
Tgt Ion:228 Resp: 3900776

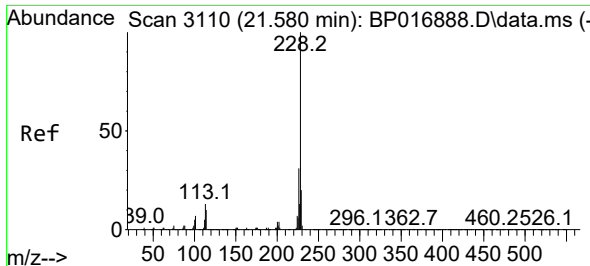
Ion Ratio Lower Upper

228 100

229 21.2 16.2 24.4

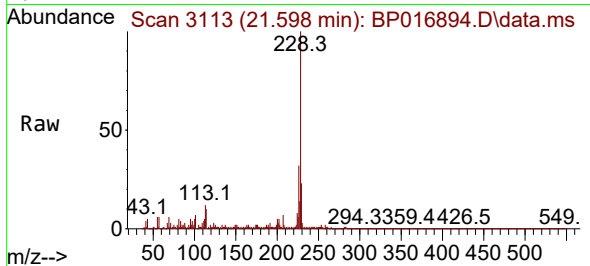
226 28.9 22.9 34.3





#87
Chrysene
Concen: 60.905 ng/ul
RT: 21.598 min Scan# 3113
Delta R.T. 0.018 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

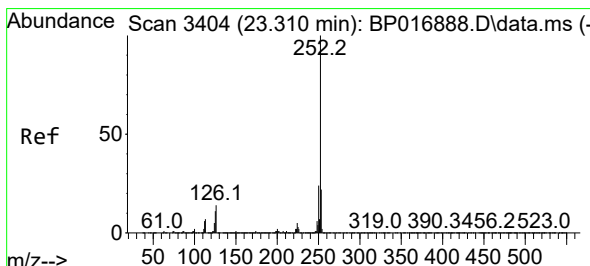
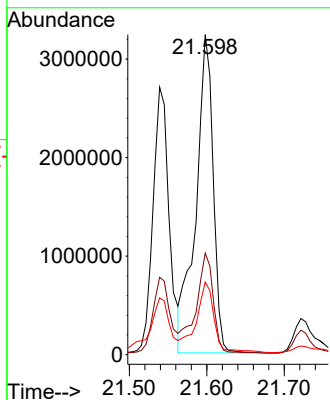
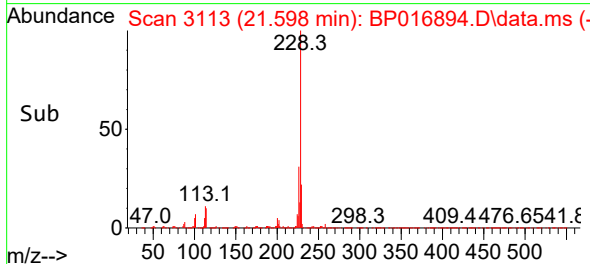
Instrument :
BNA_P
ClientSampleId :
EZYH8



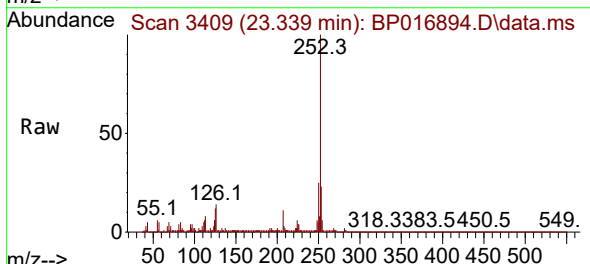
Tgt Ion:228 Resp: 503487
Ion Ratio Lower Upper
228 100
226 31.8 25.0 37.4
229 22.7 16.0 24.0

Manual Integrations
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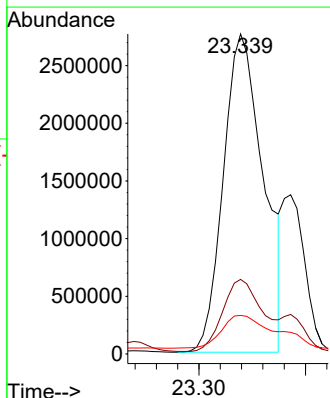
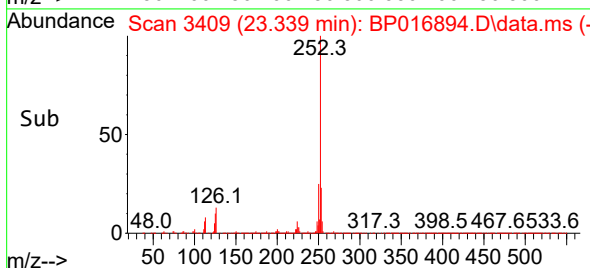
Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

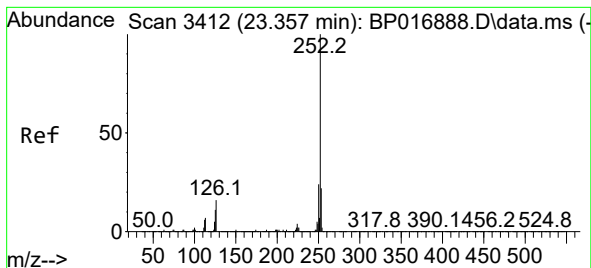


#90
Benzo(b)fluoranthene
Concen: 79.881 ng/ul
RT: 23.339 min Scan# 3409
Delta R.T. 0.029 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02



Tgt Ion:252 Resp: 7197852
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 12.1 9.0 13.4





#91

Benzo(k)fluoranthene

Concen: 22.384 ng/ul m

RT: 23.386 min Scan# 3412

Delta R.T. 0.024 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

Tgt Ion:252 Resp: 1994774

Ion Ratio Lower Upper

252 100

253 24.8 18.1 27.1

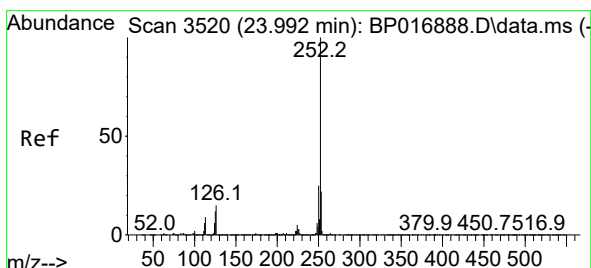
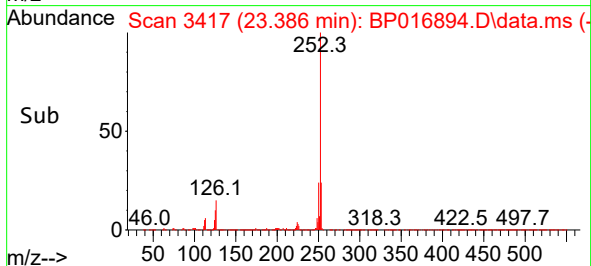
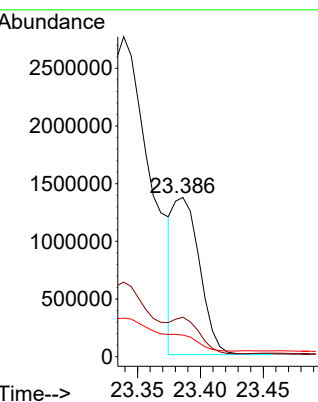
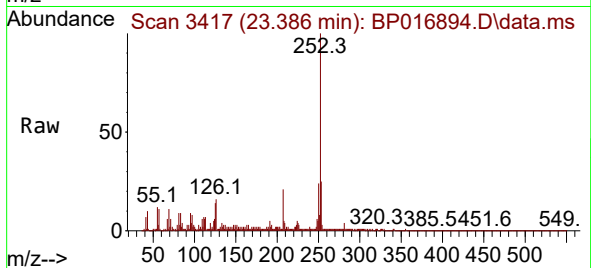
125 13.6 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#93

Benzo(a)pyrene

Concen: 52.366 ng/ul

RT: 24.027 min Scan# 3526

Delta R.T. 0.035 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

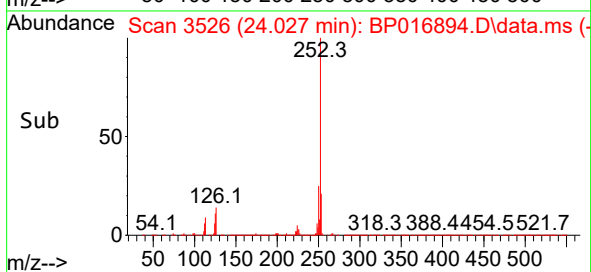
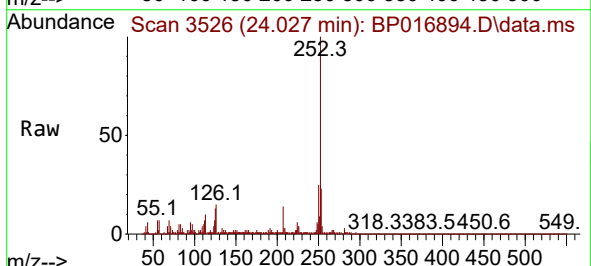
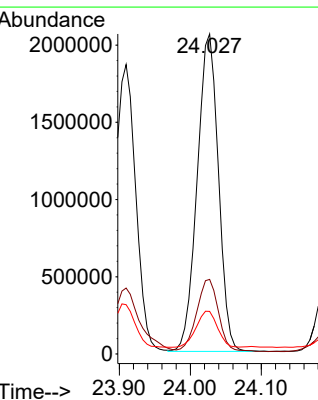
Tgt Ion:252 Resp: 4268051

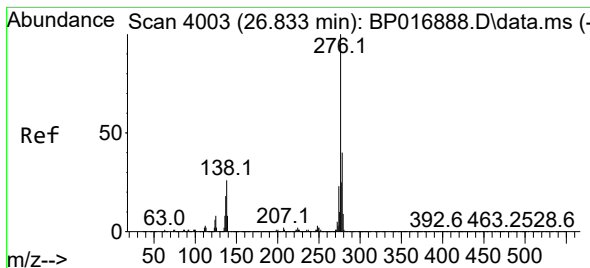
Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 13.3 9.9 14.9





#94

Indeno(1,2,3-cd)pyrene

Concen: 46.152 ng/ul

RT: 26.886 min Scan# 4012

Delta R.T. 0.053 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

Instrument :

BNA_P

ClientSampleId :

EZYH8

Tgt Ion:276 Resp: 384375

Ion Ratio Lower Upper

276 100

138 23.8 20.9 31.3

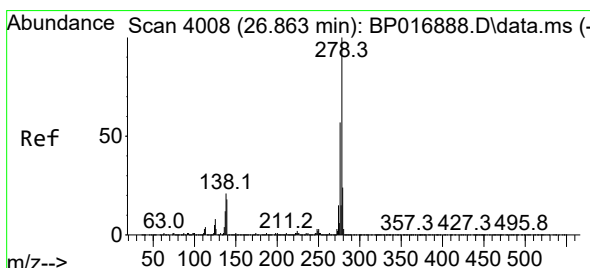
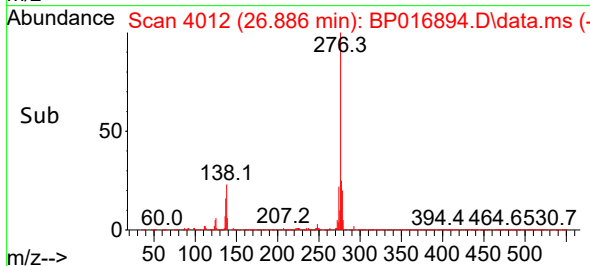
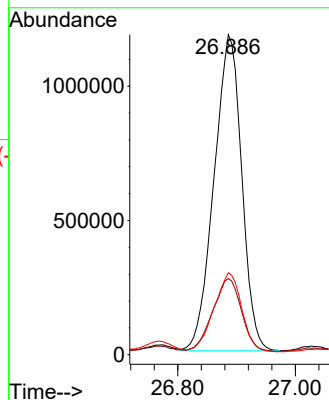
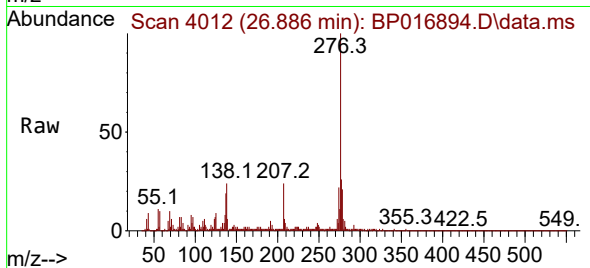
277 25.6 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/01/2023

Supervised By :mohammad ahmed 09/01/2023



#95

Dibenzo(a,h)anthracene

Concen: 15.303 ng/ul

RT: 26.898 min Scan# 4014

Delta R.T. 0.035 min

Lab File: BP016894.D

Acq: 31 Aug 2023 13:02

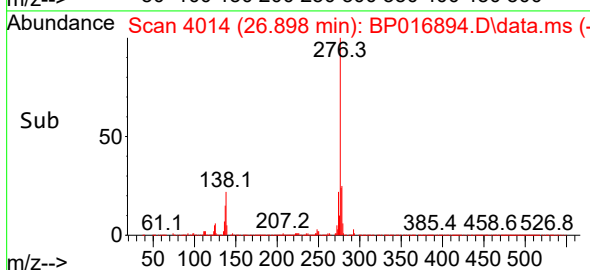
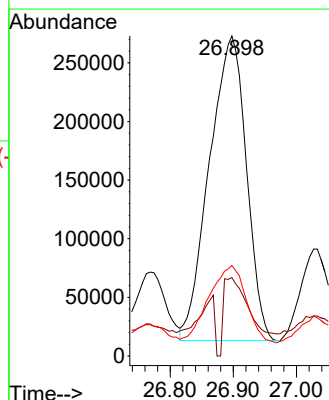
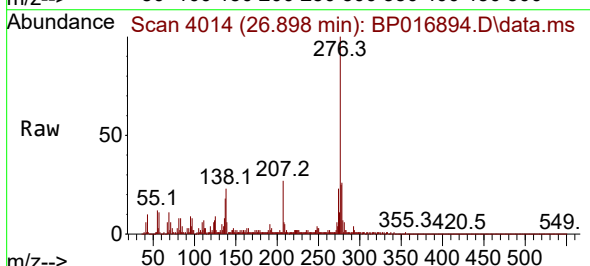
Tgt Ion:278 Resp: 1058591

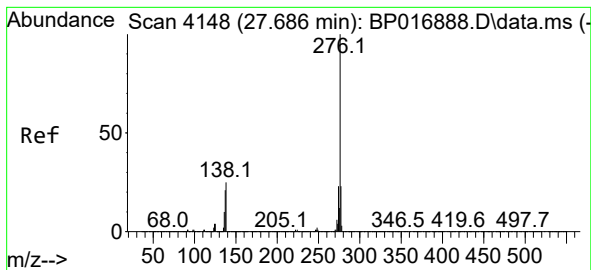
Ion Ratio Lower Upper

278 100

139 24.5 15.0 22.6#

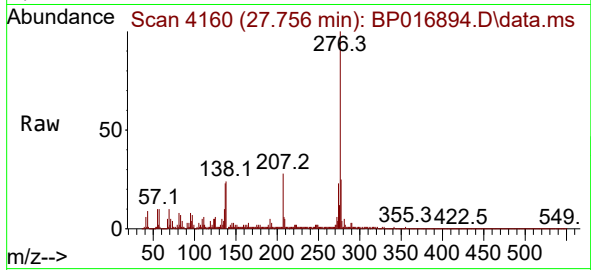
279 28.3 19.4 29.2





#96
Benzo(g,h,i)perylene
Concen: 60.654 ng/ul
RT: 27.756 min Scan# 41
Delta R.T. 0.071 min
Lab File: BP016894.D
Acq: 31 Aug 2023 13:02

Instrument :
BNA_P
ClientSampleId :
EZYH8



Tgt Ion:276 Resp: 3829830
Ion Ratio Lower Upper
276 100
138 24.5 20.2 30.4
277 24.7 19.3 28.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/01/2023
Supervised By :mohammad ahmed 09/01/2023

