

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080122\
 Data File : BP011200.D
 Acq On : 01 Aug 2022 15:20
 Operator : CG/JU
 Sample : N3790-08
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DBUK4

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 08/02/2022
 Supervised By :mohammad ahmed 08/03/2022

Quant Time: Aug 01 23:00:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP072822.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 28 16:05:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	254838	20.000	ng/u1	0.00
20) Naphthalene-d8	10.440	136	1010502	20.000	ng/u1	# 0.00
38) Acenaphthene-d10	14.316	164	458775	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.086	188	880145	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.216	240	868111	20.000	ng/u1	# 0.00
88) Perylene-d12	23.563	264	981349	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.152	96	24181m	4.345	ng/uL	0.00
4) Pyridine-d5	3.564	84	153537	9.753	ng/u1	0.00
7) Phenol-d5	6.828	99	678516	30.504	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	6.993	67	500060	31.793	ng/u1	0.00
11) 2-Chlorophenol-d4	7.181	132	563196	32.129	ng/u1	0.00
15) 4-Methylphenol-d8	8.363	113	529840	29.119	ng/u1	0.00
21) Nitrobenzene-d5	8.810	128	263914	33.606	ng/u1	0.00
24) 2-Nitrophenol-d4	9.528	143	250886	33.352	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.063	165	416337	31.405	ng/u1	0.00
31) 4-Chloroaniline-d4	10.587	131	475971	22.147	ng/u1	0.00
46) Dimethylphthalate-d6	13.734	166	1154778	36.945	ng/u1	0.00
49) Acenaphthylene-d8	14.004	160	1478576	37.643	ng/u1	0.00
54) 4-Nitrophenol-d4	14.540	143	134923	23.998	ng/u1	0.00
60) Fluorene-d10	15.316	176	957709	36.463	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.451	200	97561	21.989	ng/u1	0.00
73) Anthracene-d10	17.186	188	1427851	36.818	ng/u1	0.00
81) Pyrene-d10	19.445	212	1748131	37.475	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.410	264	1839070	37.730	ng/u1	0.00
Target Compounds						
					Qvalue	
30) Naphthalene	10.487	128	115000	2.163	ng/u1	100
36) 2-Methylnaphthalene	12.116	142	62990	1.872	ng/u1	93
37) 1-Methylnaphthalene	12.334	142	57555	1.708	ng/u1	100
52) Acenaphthene	14.381	153	253959	8.860	ng/u1	97
56) Dibenzofuran	14.716	168	225625	5.791	ng/u1	98
61) Fluorene	15.375	166	292008	9.639	ng/u1	99
72) Phenanthrene	17.128	178	3901780	81.003	ng/u1	98
74) Anthracene	17.222	178	888364	18.642	ng/u1	100
77) Carbazole	17.498	167	789229	18.694	ng/u1	98
80) Fluoranthene	19.122	202	5354016	92.917	ng/u1#	85
82) Pyrene	19.475	202	4109133	69.396	ng/u1#	80
85) Benzo(a)anthracene	21.198	228	2750668	50.971	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.139	149	48481	1.353	ng/u1	99
87) Chrysene	21.251	228	2816463	52.499	ng/u1	97
90) Benzo(b)fluoranthene	22.851	252	3518516	56.874	ng/u1#	94
91) Benzo(k)fluoranthene	22.892	252	1166633	19.869	ng/u1#	91
93) Benzo(a)pyrene	23.463	252	2228392	36.928	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	25.986	276	1502279	20.207	ng/u1#	89
95) Dibenzo(a,h)anthracene	26.004	278	507012	7.951	ng/u1#	82
96) Benzo(g,h,i)perylene	26.733	276	1229827	19.127	ng/u1#	85

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

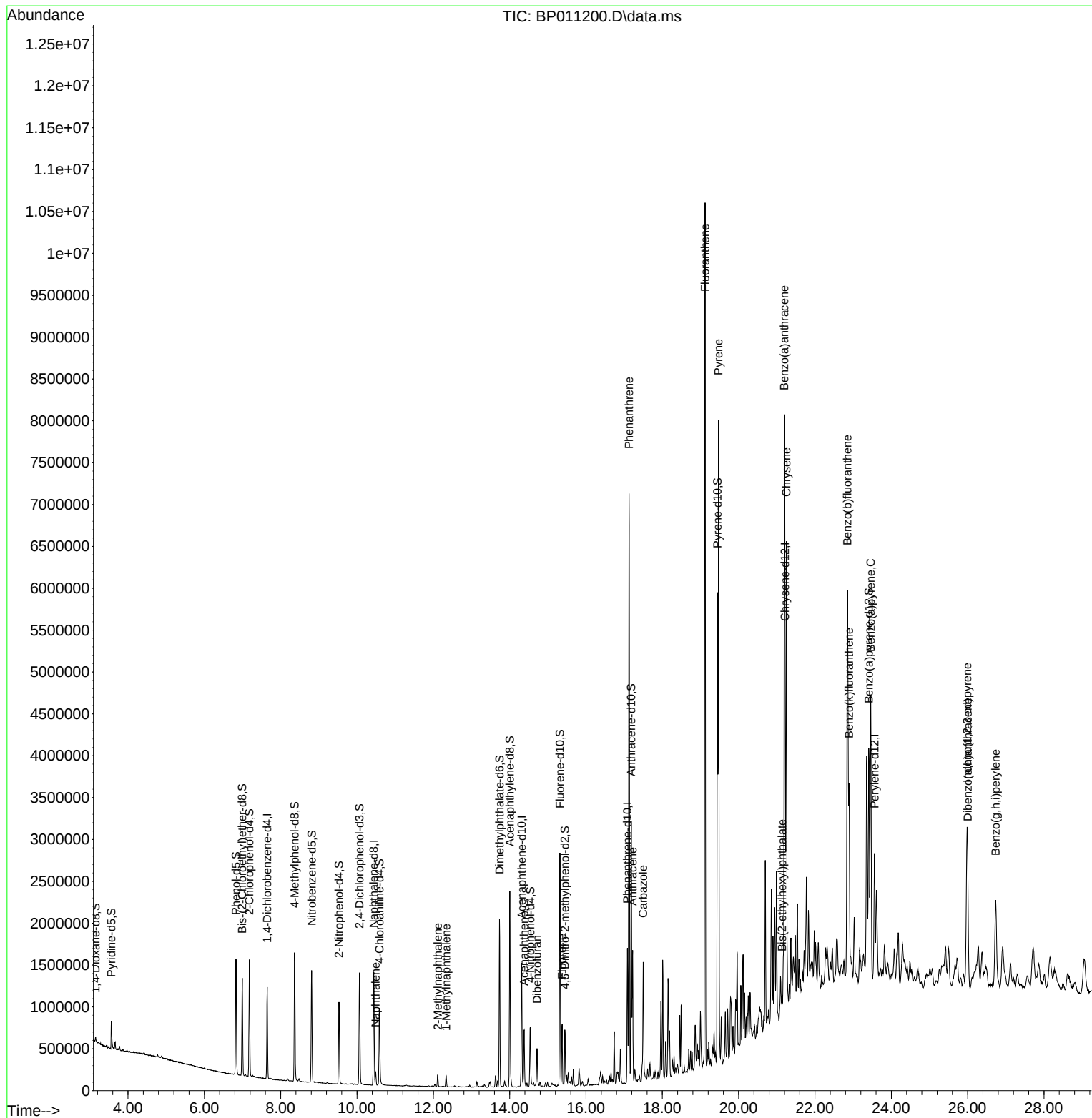
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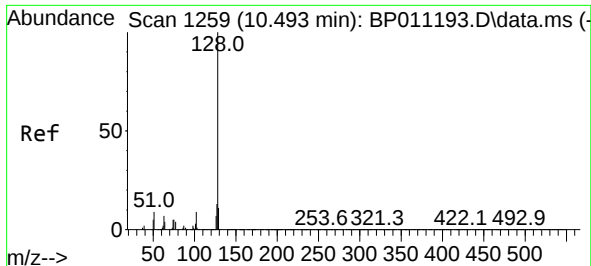
Instrument :
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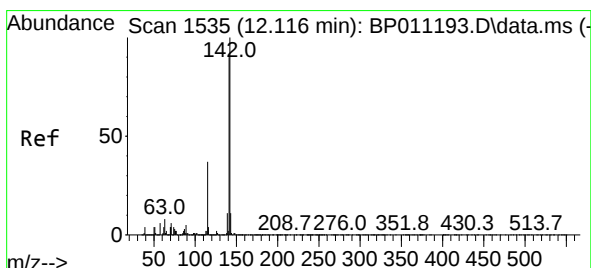
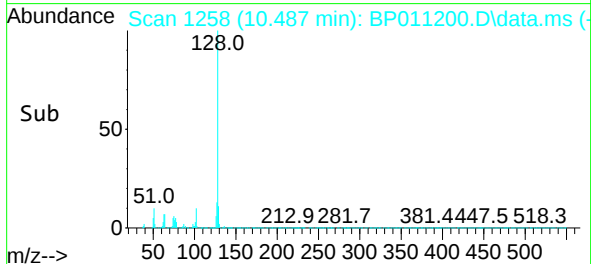
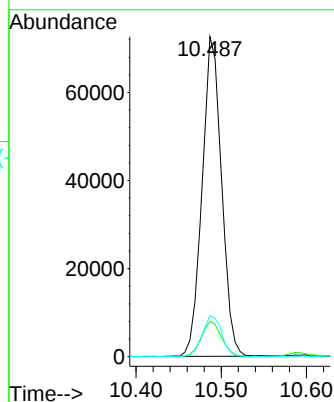
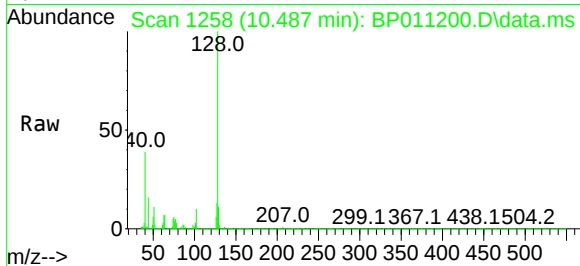
#30
Naphthalene
Concen: 2.163 ng/ul
RT: 10.487 min Scan# 1258
Delta R.T. -0.006 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Instrument :
BNA_P
ClientSampleId :
DBUK4

Tgt Ion:128 Resp: 115000
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 12.9 10.2 15.4

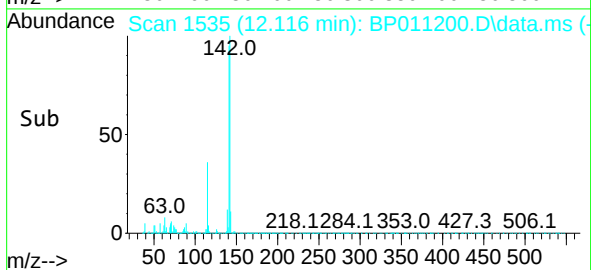
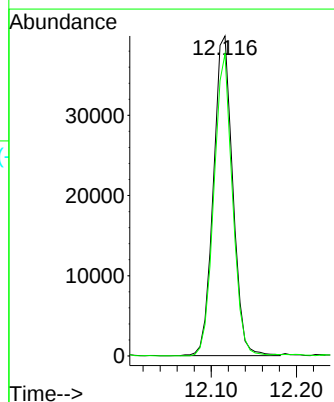
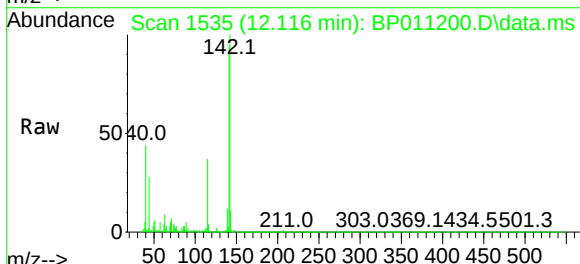
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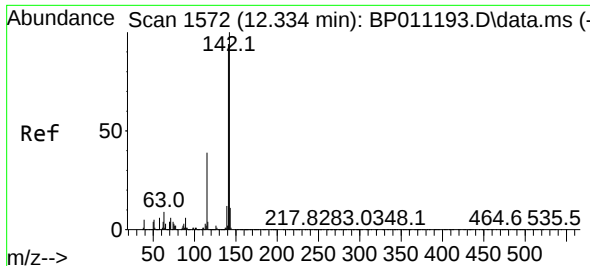
Reviewed By :Jagrut Upadhyay 08/02/2022
Supervised By :mohammad ahmed 08/03/2022



#36
2-Methylnaphthalene
Concen: 1.872 ng/ul
RT: 12.116 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Tgt Ion:142 Resp: 62990
Ion Ratio Lower Upper
142 100
141 94.4 70.1 105.1





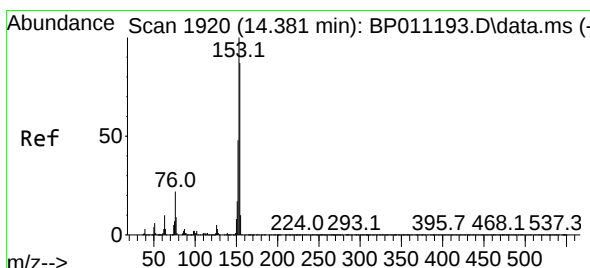
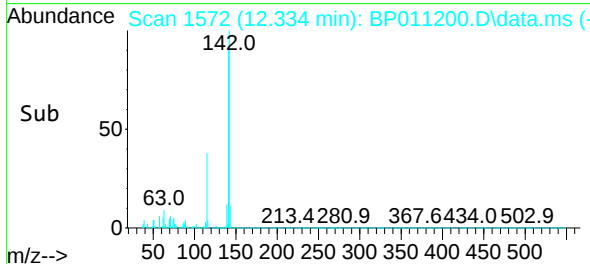
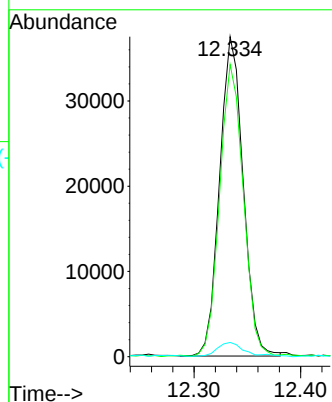
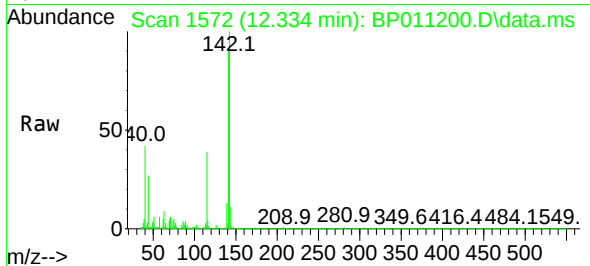
#37
1-Methylnaphthalene
Concen: 1.708 ng/ul
RT: 12.334 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Instrument :
BNA_P
ClientSampleId :
DBUK4

Tgt Ion:142 Resp: 5755
Ion Ratio Lower Upper
142 100
141 91.3 73.3 109.9
116 4.4 4.0 6.0

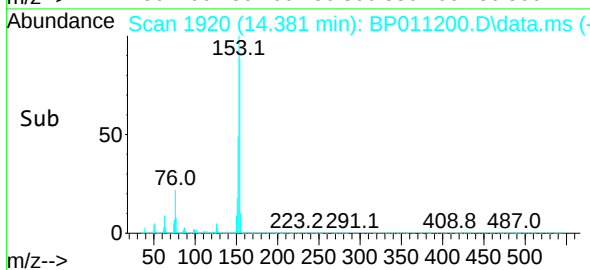
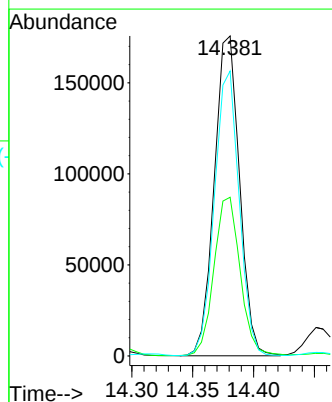
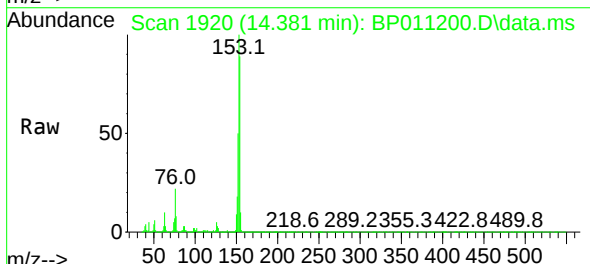
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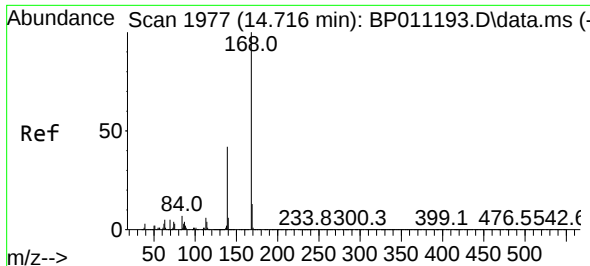
Reviewed By :Jagrut Upadhyay 08/02/2022
Supervised By :mohammad ahmed 08/03/2022



#52
Acenaphthene
Concen: 8.860 ng/ul
RT: 14.381 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Tgt Ion:153 Resp: 253959
Ion Ratio Lower Upper
153 100
152 49.6 36.2 54.2
154 89.1 70.8 106.2





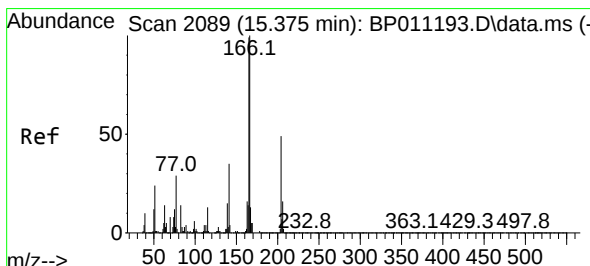
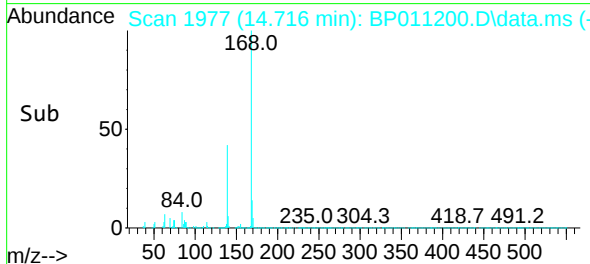
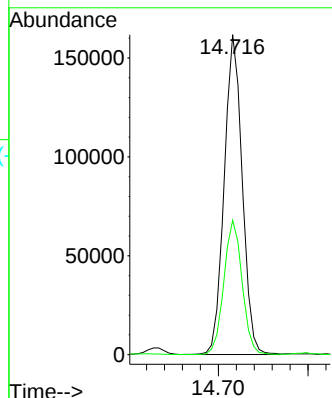
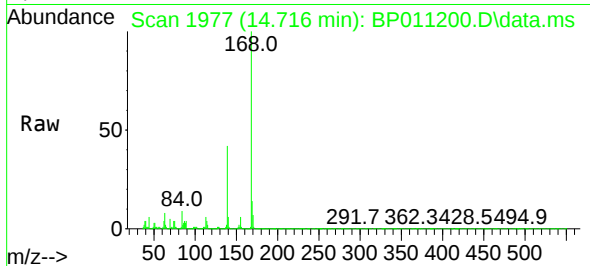
#56
Dibenzenofuran
Concen: 5.791 ng/ul
RT: 14.716 min Scan# 1977
Delta R.T. -0.006 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Instrument :
BNA_P
ClientSampleId :
DBUK4

Tgt Ion:168 Resp: 225629
Ion Ratio Lower Upper
168 100
139 42.0 32.8 49.2

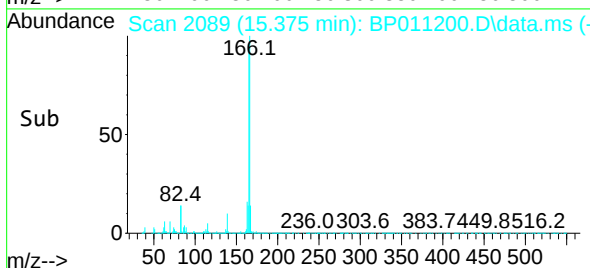
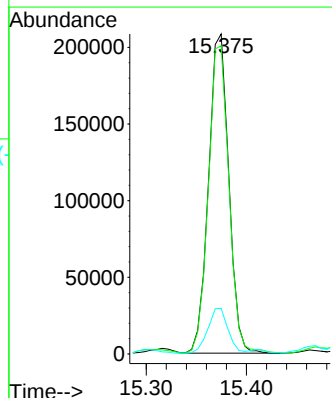
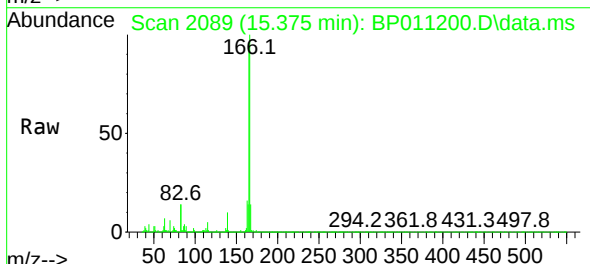
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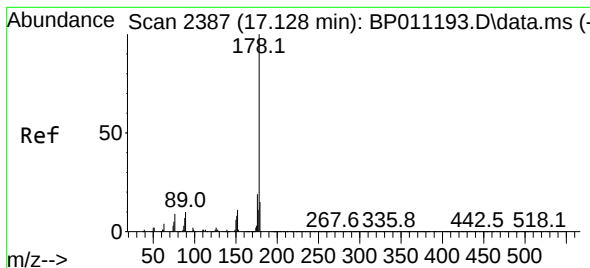
Reviewed By :Jagrut Upadhyay 08/02/2022
Supervised By :mohammad ahmed 08/03/2022



#61
Fluorene
Concen: 9.639 ng/ul
RT: 15.375 min Scan# 2089
Delta R.T. 0.000 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Tgt Ion:166 Resp: 292008
Ion Ratio Lower Upper
166 100
165 96.3 77.4 116.2
167 14.3 10.8 16.2





#72

Phenanthrene

Concen: 81.003 ng/u1

RT: 17.128 min Scan# 2387

Delta R.T. 0.000 min

Lab File: BP011200.D

Acq: 01 Aug 2022 15:20

Instrument :

BNA_P

ClientSampleId :

DBUK4

Tgt Ion:178 Resp: 3901780

Ion Ratio Lower Upper

178 100

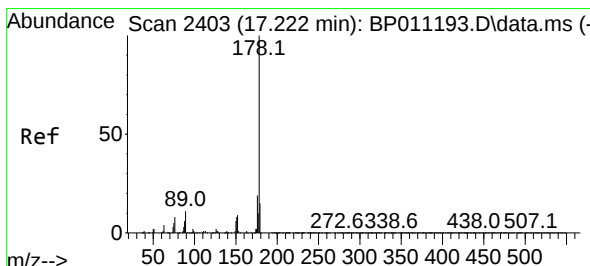
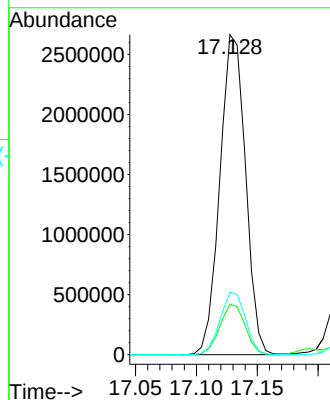
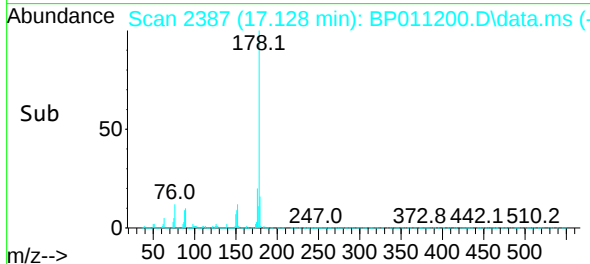
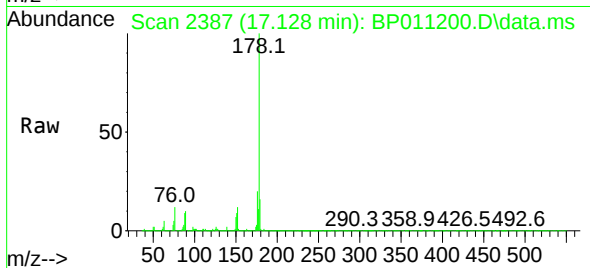
179 15.8 12.7 19.1

176 19.5 14.6 22.0

Manual Integrations

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#74

Anthracene

Concen: 18.642 ng/u1

RT: 17.222 min Scan# 2403

Delta R.T. 0.000 min

Lab File: BP011200.D

Acq: 01 Aug 2022 15:20

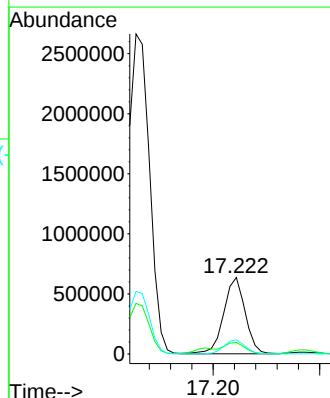
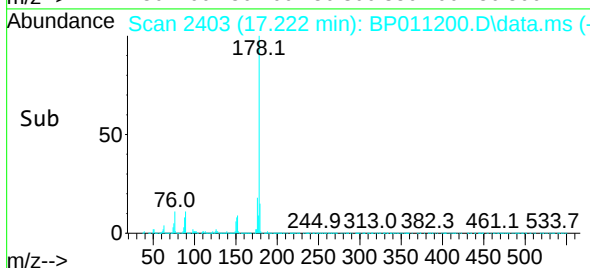
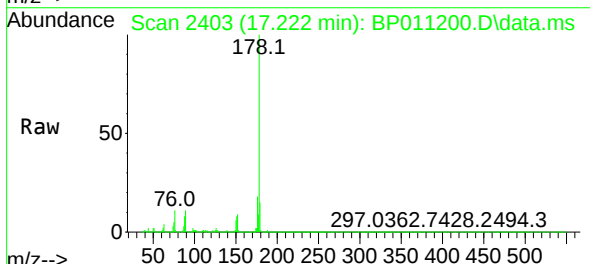
Tgt Ion:178 Resp: 888364

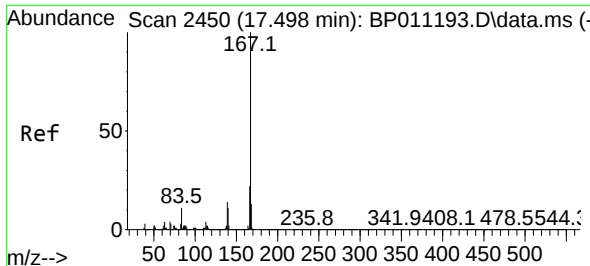
Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.2

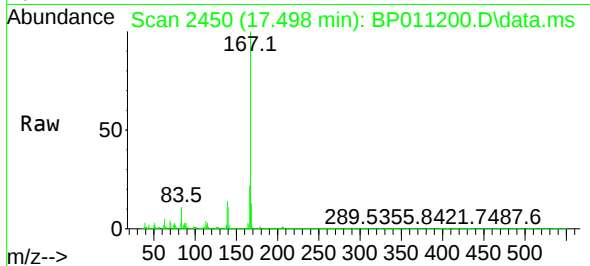
176 18.4 14.5 21.7





#77
 Carbazole
 Concen: 18.694 ng/ul
 RT: 17.498 min Scan# 2450
 Delta R.T. 0.000 min
 Lab File: BP011200.D
 Acq: 01 Aug 2022 15:20

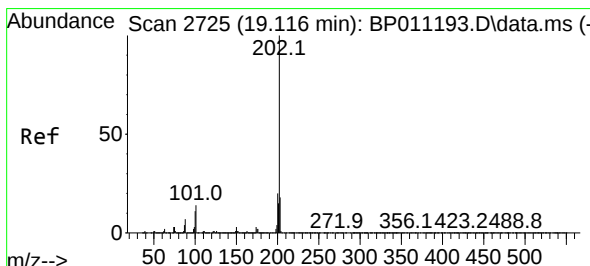
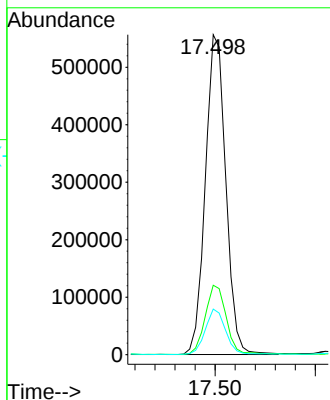
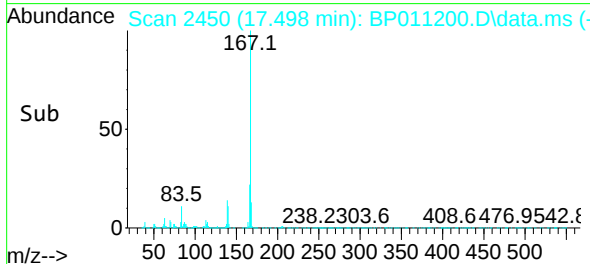
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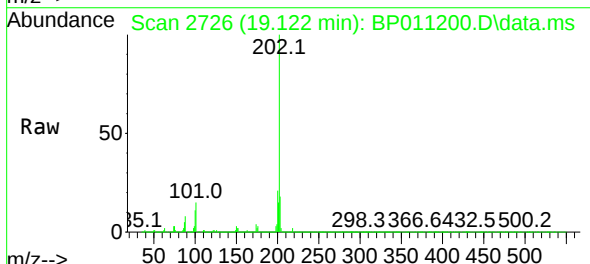
Tgt Ion:167 Resp: 789229
 Ion Ratio Lower Upper
 167 100
 166 21.7 16.9 25.3
 139 14.3 10.6 16.0

Manual Integrations
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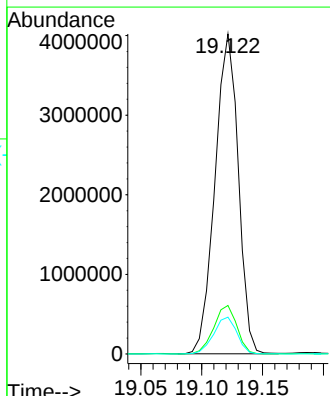
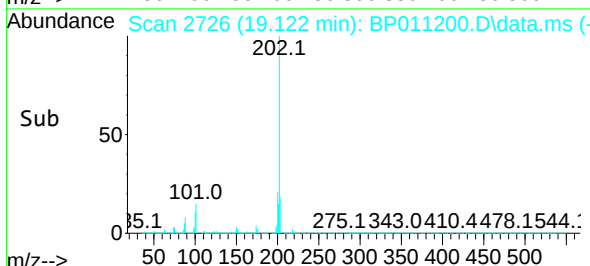
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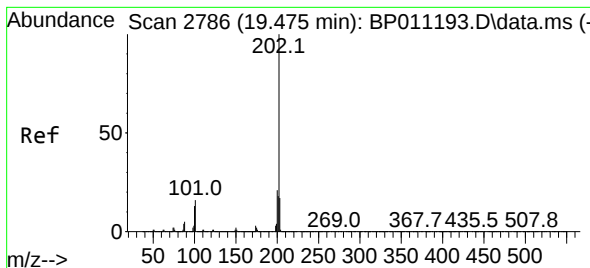


#80
 Fluoranthene
 Concen: 92.917 ng/ul
 RT: 19.122 min Scan# 2726
 Delta R.T. 0.006 min
 Lab File: BP011200.D
 Acq: 01 Aug 2022 15:20



Tgt Ion:202 Resp: 5354016
 Ion Ratio Lower Upper
 202 100
 101 15.2 7.1 10.7#
 100 11.5 5.7 8.5#





#82

Pyrene

Concen: 69.396 ng/u1

RT: 19.475 min Scan# 2109

Delta R.T. 0.000 min

Lab File: BP011200.D

Acq: 01 Aug 2022 15:20

Instrument :

BNA_P

ClientSampleId :

DBUK4

Tgt Ion:202 Resp: 410913

Ion Ratio Lower Upper

202 100

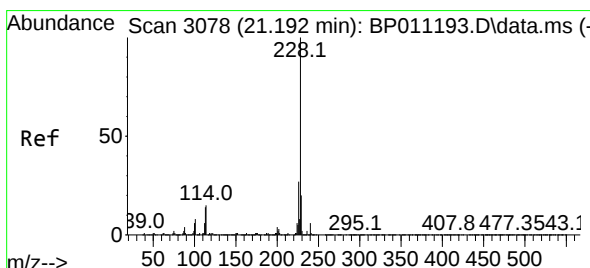
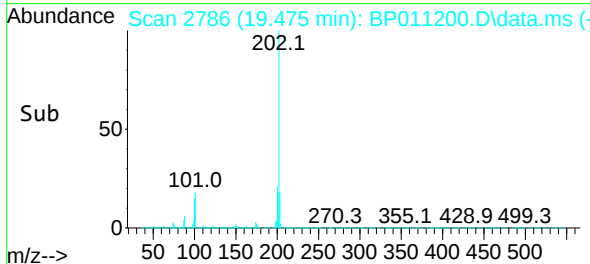
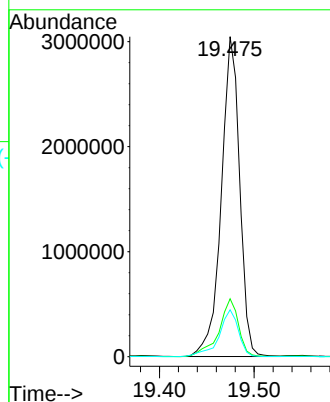
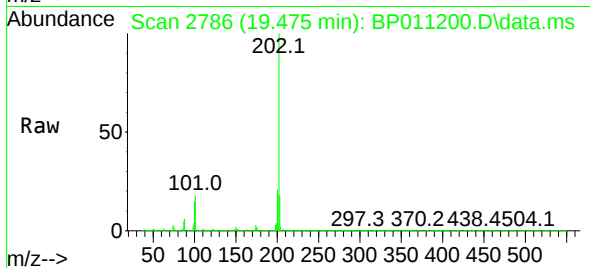
101 18.1 7.9 11.9

100 14.7 6.7 10.1

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Supervised By :mohammad ahmed 08/03/2022



#85

Benzo(a)anthracene

Concen: 50.971 ng/u1

RT: 21.198 min Scan# 3079

Delta R.T. 0.000 min

Lab File: BP011200.D

Acq: 01 Aug 2022 15:20

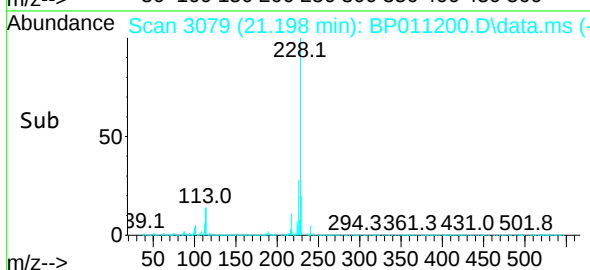
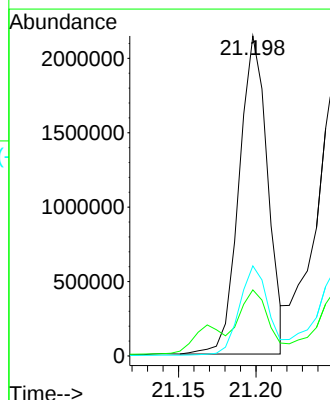
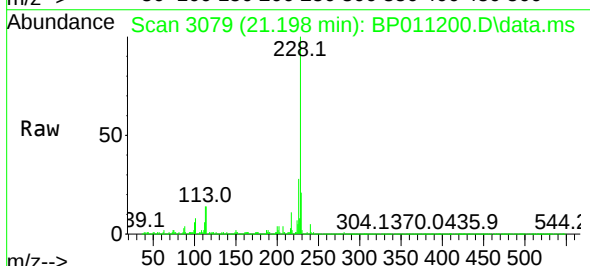
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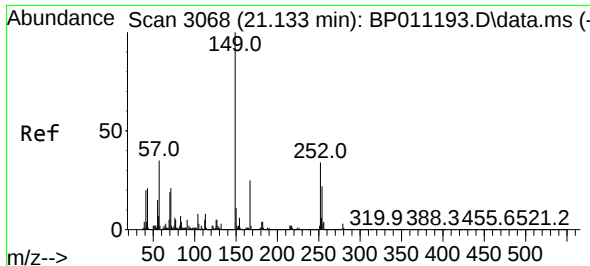
Ion Ratio Lower Upper

228 100

229 20.6 15.0 22.4

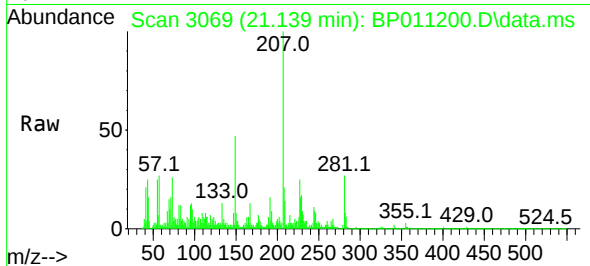
226 28.2 20.6 31.0





#86
Bis(2-ethylhexyl)phthalate
Concen: 1.353 ng/ul
RT: 21.139 min Scan# 3068
Delta R.T. 0.000 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

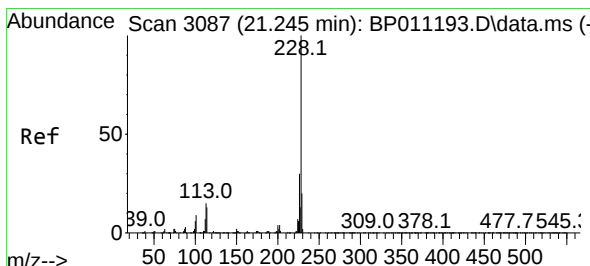
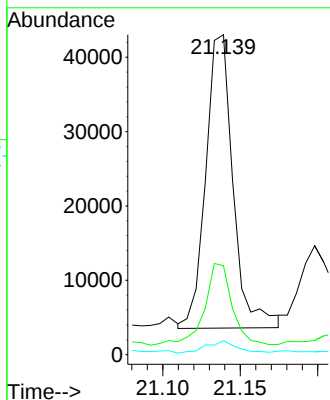
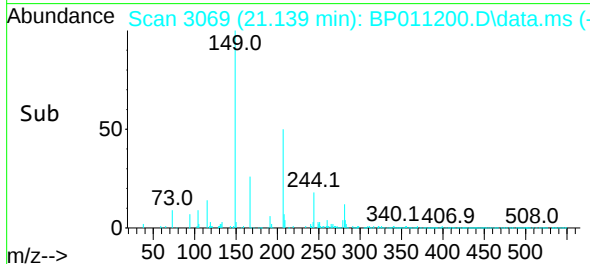
Instrument :
BNA_P
ClientSampleId :
DBUK4



Tgt Ion:149 Resp: 4848
Ion Ratio Lower Upper
149 100
167 27.8 22.6 33.8
279 4.4 4.2 6.4

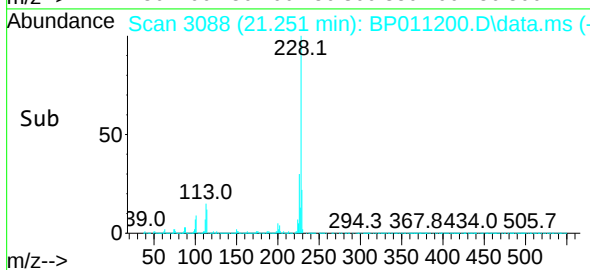
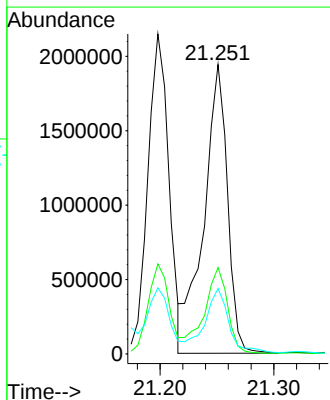
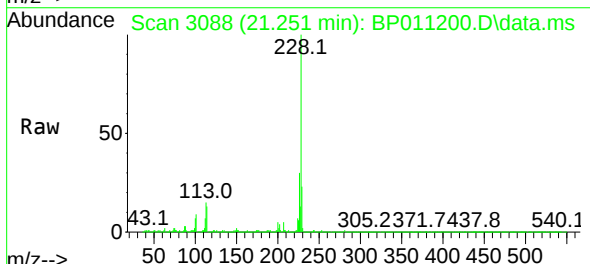
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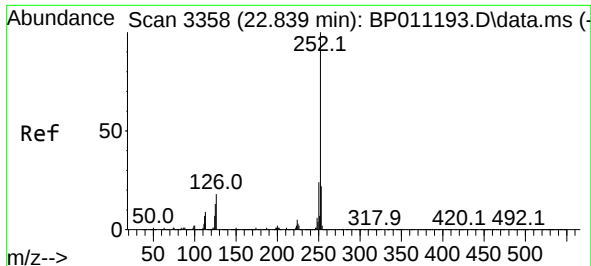
Reviewed By :Jagrut Upadhyay 08/02/2022
Supervised By :mohammad ahmed 08/03/2022



#87
Chrysene
Concen: 52.499 ng/ul
RT: 21.251 min Scan# 3088
Delta R.T. 0.006 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Tgt Ion:228 Resp: 2816463
Ion Ratio Lower Upper
228 100
226 29.9 23.6 35.4
229 22.6 15.6 23.4





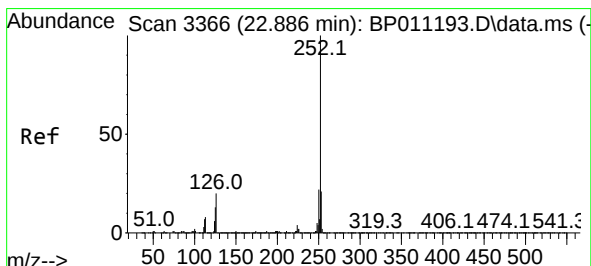
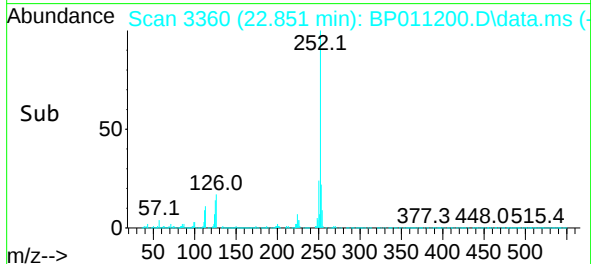
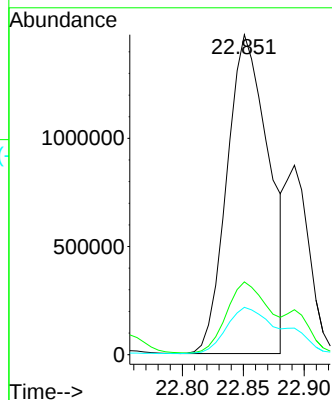
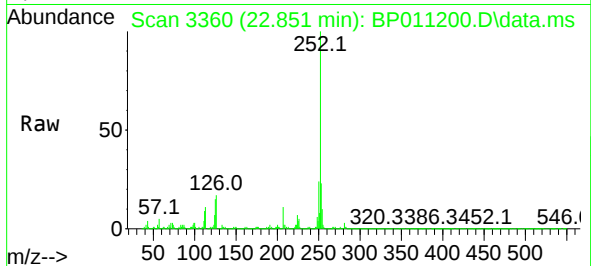
#90
Benzo(b)fluoranthene
Concen: 56.874 ng/ul
RT: 22.851 min Scan# 3358
Delta R.T. 0.012 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Instrument :
BNA_P
ClientSampleId :
DBUK4

Tgt Ion:252 Resp: 3518510
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.6
125 14.8 6.2 9.2

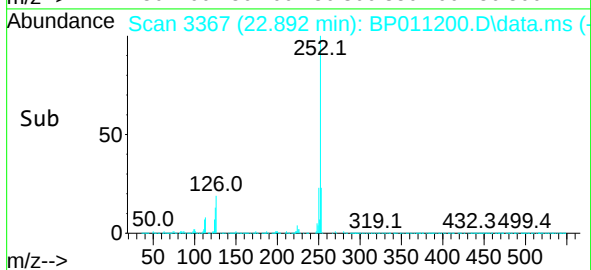
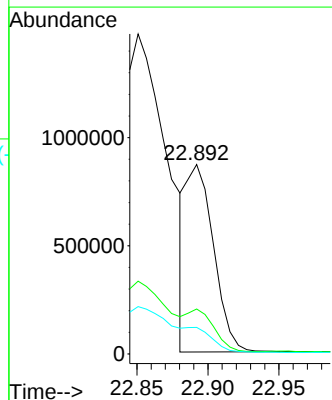
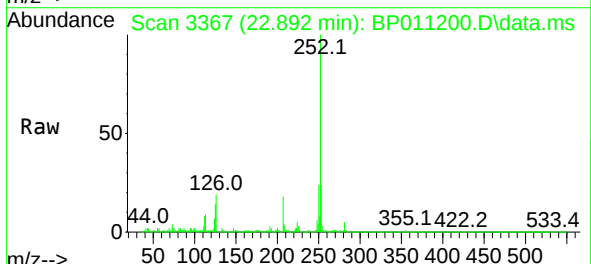
Manual Integrations
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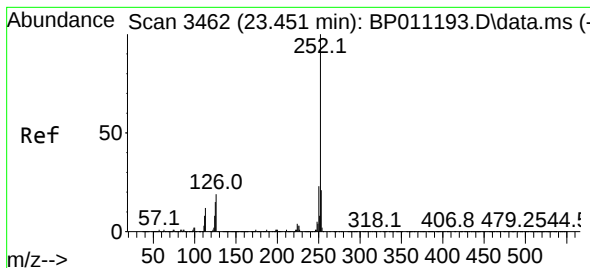
Reviewed By :Jagrut Upadhyay 08/02/2022
Supervised By :mohammad ahmed 08/03/2022



#91
Benzo(k)fluoranthene
Concen: 19.869 ng/ul
RT: 22.892 min Scan# 3367
Delta R.T. 0.000 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Tgt Ion:252 Resp: 1166633
Ion Ratio Lower Upper
252 100
253 23.8 17.0 25.4
125 14.0 6.2 9.4





#93

Benzo(a)pyrene

Concen: 36.928 ng/ul

RT: 23.463 min Scan# 3462

Delta R.T. 0.012 min

Lab File: BP011200.D

Acq: 01 Aug 2022 15:20

Instrument :

BNA_P

ClientSampleId :

DBUK4

Tgt Ion:252 Resp: 222839

Ion Ratio Lower Upper

252 100

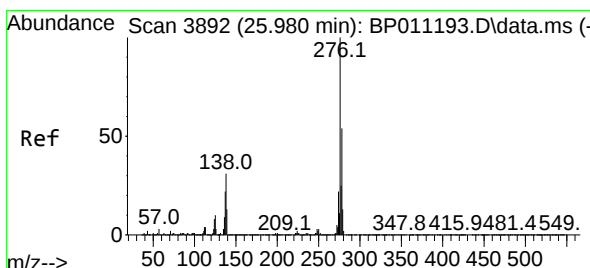
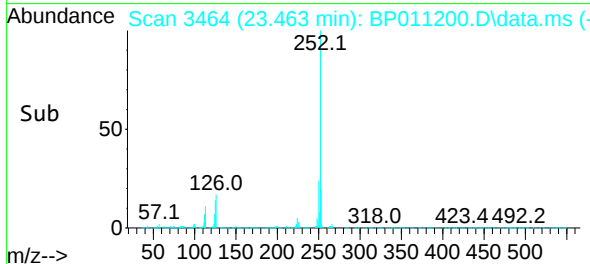
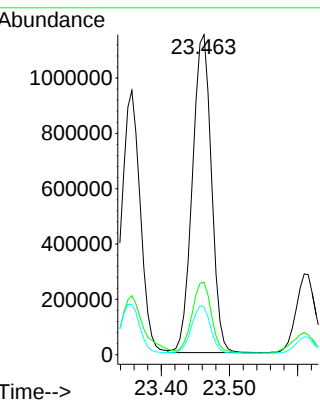
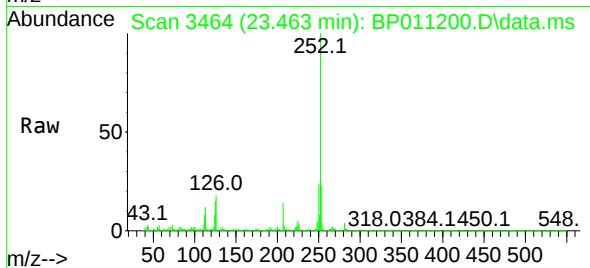
253 22.7 17.4 26.0

125 14.9 6.6 10.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 08/02/2022
Supervised By :mohammad ahmed 08/03/2022



#94

Indeno(1,2,3-cd)pyrene

Concen: 20.207 ng/ul

RT: 25.986 min Scan# 3893

Delta R.T. 0.006 min

Lab File: BP011200.D

Acq: 01 Aug 2022 15:20

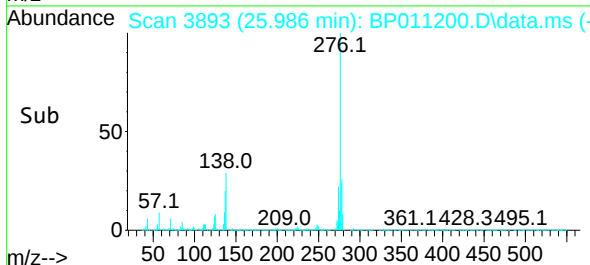
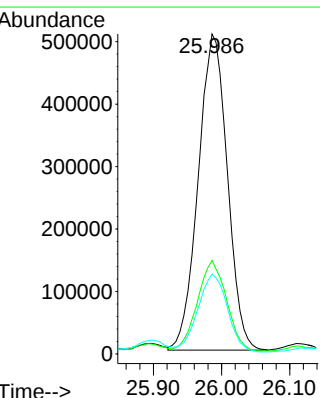
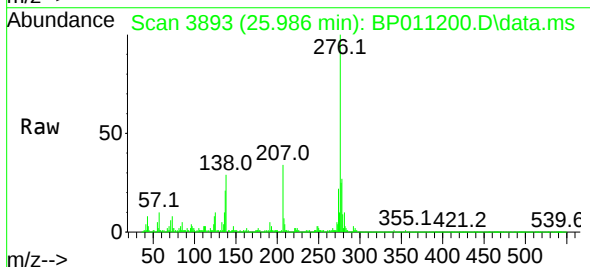
Tgt Ion:276 Resp: 1502279

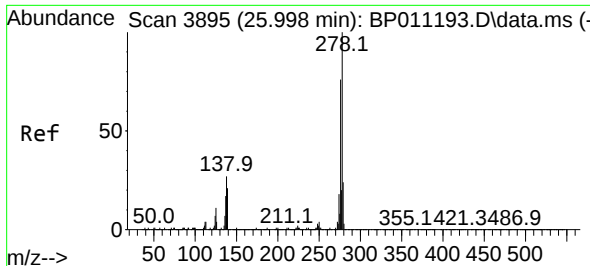
Ion Ratio Lower Upper

276 100

138 29.2 14.6 22.0

277 24.9 19.6 29.4





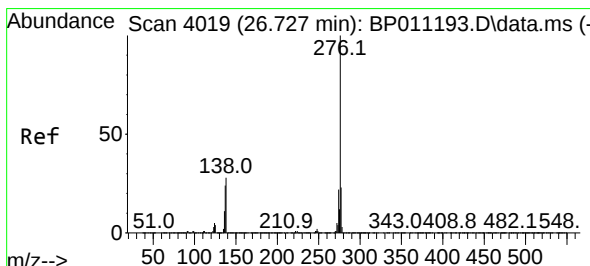
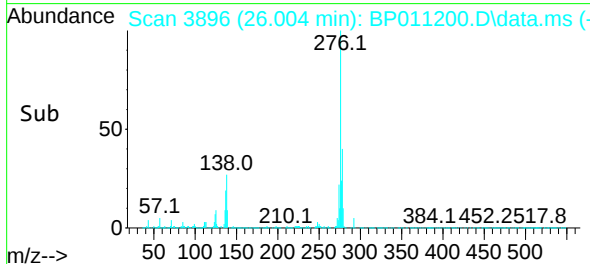
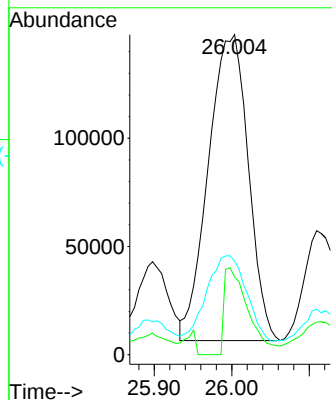
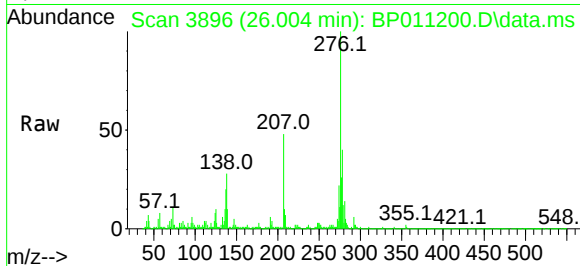
#95
Dibenzo(a,h)anthracene
Concen: 7.951 ng/ul
RT: 26.004 min Scan# 3895
Delta R.T. 0.000 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Instrument :
BNA_P
ClientSampleId :
DBUK4

Tgt Ion:278 Resp: 507012
Ion Ratio Lower Upper
278 100
139 24.2 9.4 14.2
279 29.2 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 08/02/2022
Supervised By :mohammad ahmed 08/03/2022



#96
Benzo(g,h,i)perylene
Concen: 19.127 ng/ul
RT: 26.733 min Scan# 4020
Delta R.T. 0.012 min
Lab File: BP011200.D
Acq: 01 Aug 2022 15:20

Tgt Ion:276 Resp: 1229827
Ion Ratio Lower Upper
276 100
138 29.1 12.7 19.1
277 24.4 18.2 27.4

