

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101122\
 Data File : BP012050.D
 Acq On : 11 Oct 2022 20:51
 Operator : CG/JU
 Sample : N4991-06
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 C0BF7

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/12/2022
 Supervised By :mohammad ahmed 10/14/2022

Quant Time: Oct 12 00:24:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101122.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 11 23:54:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	216135	20.000	ng/u1	0.00
20) Naphthalene-d8	10.663	136	851255	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.504	164	485246	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.263	188	1075108	20.000	ng/u1	0.00
79) Chrysene-d12	21.351	240	1185418	20.000	ng/u1	0.00
88) Perylene-d12	23.774	264	1313586	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.275	96	24177	4.410	ng/uL	0.00
4) Pyridine-d5	3.717	84	64516	4.425	ng/u1	0.01
7) Phenol-d5	7.022	99	450594	25.922	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.187	67	253276	25.670	ng/u1	0.00
11) 2-Chlorophenol-d4	7.387	132	369629	26.788	ng/u1	0.00
15) 4-Methylphenol-d8	8.569	113	286059	21.425	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	163158	27.139	ng/u1	0.00
24) 2-Nitrophenol-d4	9.746	143	172473	28.293	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.287	165	323745	27.403	ng/u1	0.00
31) 4-Chloroaniline-d4	10.810	131	279049	16.028	ng/u1	0.00
46) Dimethylphthalate-d6	13.916	166	889859	28.956	ng/u1	0.00
49) Acenaphthylene-d8	14.198	160	1075264	28.295	ng/u1	0.00
54) 4-Nitrophenol-d4	14.716	143	144992	24.032	ng/u1	0.00
60) Fluorene-d10	15.498	176	850147	30.576	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.628	200	93483	16.467	ng/u1	0.00
73) Anthracene-d10	17.363	188	1378713	29.532	ng/u1	0.00
81) Pyrene-d10	19.598	212	1768687	29.124	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.616	264	1928734	30.204	ng/u1	0.00
Target Compounds						
					Qvalue	
16) Acetophenone	8.687	105	88215m	4.286	ng/u1	
30) Naphthalene	10.716	128	344714	7.663	ng/u1	99
36) 2-Methylnaphthalene	12.328	142	274072	9.462	ng/u1	99
37) 1-Methylnaphthalene	12.546	142	214428	7.392	ng/u1	99
43) 1,1'-Biphenyl	13.340	154	44362	1.211	ng/u1	98
50) Acenaphthylene	14.228	152	56123	1.305	ng/u1#	92
52) Acenaphthene	14.569	153	33084	1.081	ng/u1	98
56) Dibenzofuran	14.904	168	123214	2.978	ng/u1	95
61) Fluorene	15.557	166	40496	1.247	ng/u1#	98
72) Phenanthrene	17.304	178	932451	15.948	ng/u1	99
74) Anthracene	17.398	178	176524	3.051	ng/u1	99
77) Carbazole	17.669	167	88910	1.723	ng/u1	99
80) Fluoranthene	19.275	202	1690925	22.723	ng/u1	99
82) Pyrene	19.627	202	1573929	19.986	ng/u1	98
85) Benzo(a)anthracene	21.333	228	1043143	13.980	ng/u1	97
86) Bis(2-ethylhexyl)phtha...	21.257	149	36233	1.077	ng/u1	97
87) Chrysene	21.386	228	1101062	15.330	ng/u1	97
90) Benzo(b)fluoranthene	23.033	252	1486231	17.875	ng/u1#	97
91) Benzo(k)fluoranthene	23.074	252	563334m	6.888	ng/u1	
93) Benzo(a)pyrene	23.663	252	1167243	15.735	ng/u1	96
94) Indeno(1,2,3-cd)pyrene	26.286	276	821345	8.757	ng/u1	100
95) Dibenzo(a,h)anthracene	26.298	278	220769	2.624	ng/u1#	88
96) Benzo(g,h,i)perylene	27.062	276	753663	8.912	ng/u1#	95

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

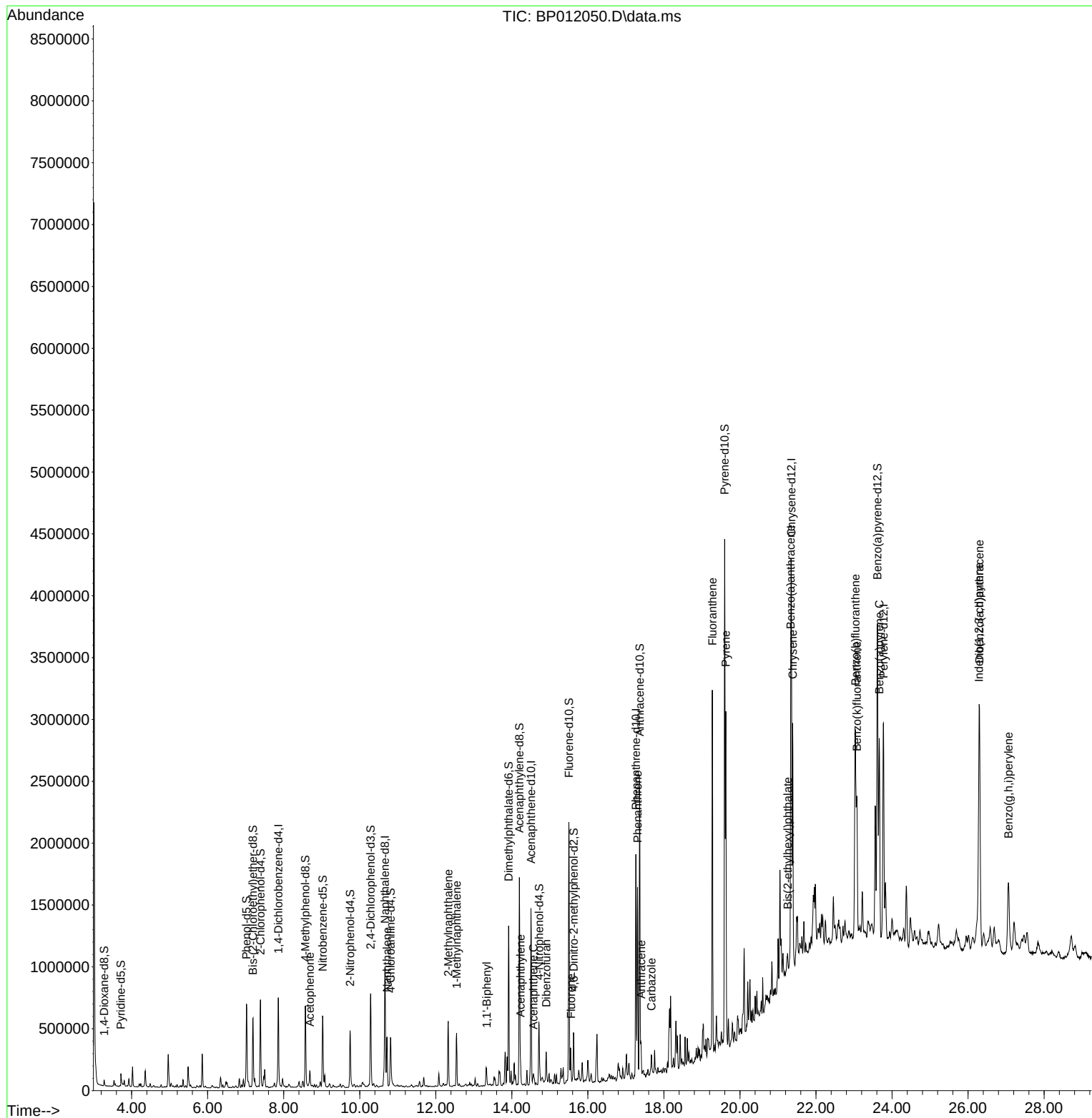
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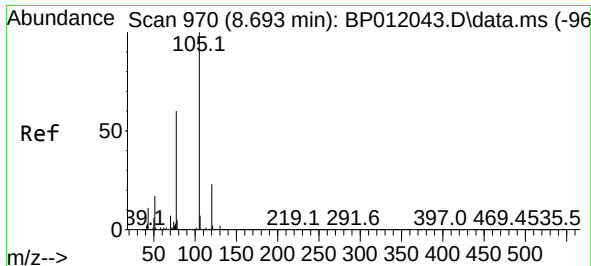
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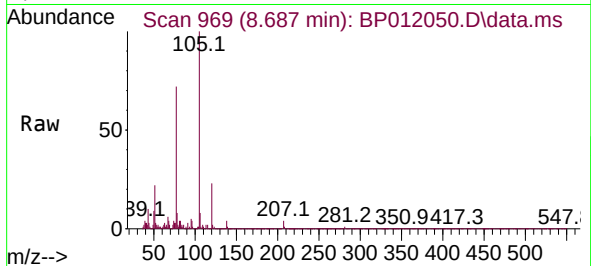
Reviewed By :Jagrut Upadhyay 10/12/2022
 Supervised By :mohammad ahmed 10/14/2022





#16
Acetophenone
Concen: 4.286 ng/ul m
RT: 8.687 min Scan# 969
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

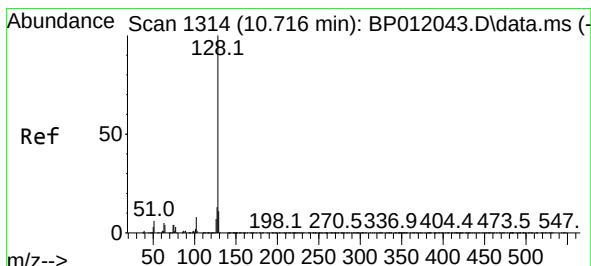
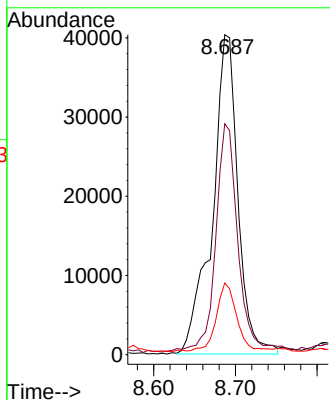
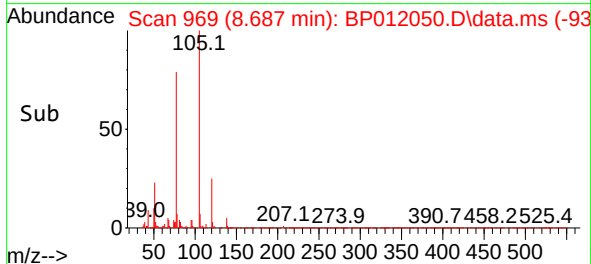
Instrument :
BNA_P
ClientSampleId :
C0BF7



Tgt Ion:105 Resp: 88215
Ion Ratio Lower Upper
105 100
77 72.1 57.0 85.4
51 22.4 16.4 24.6

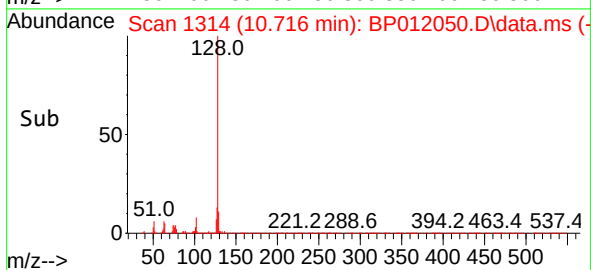
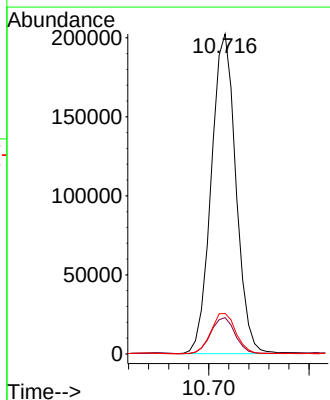
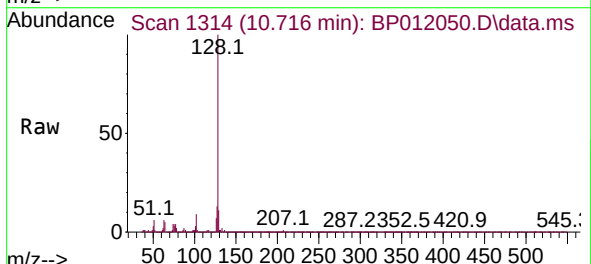
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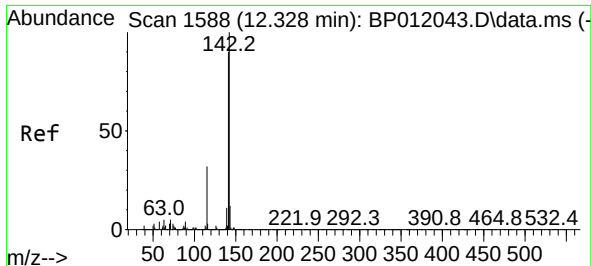
Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022



#30
Naphthalene
Concen: 7.663 ng/ul
RT: 10.716 min Scan# 1314
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

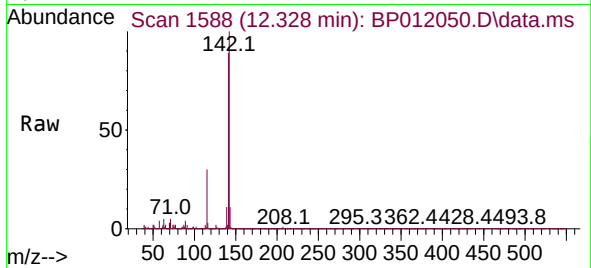
Tgt Ion:128 Resp: 344714
Ion Ratio Lower Upper
128 100
129 11.3 8.9 13.3
127 12.6 10.2 15.4





#36
2-Methylnaphthalene
Concen: 9.462 ng/ul
RT: 12.328 min Scan# 1588
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

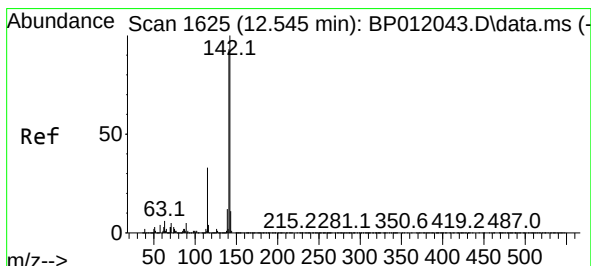
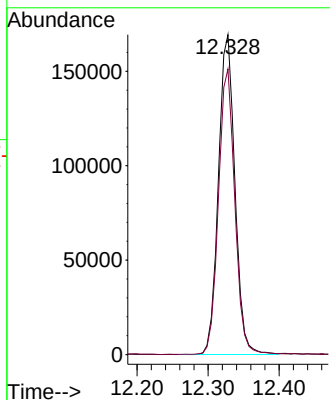
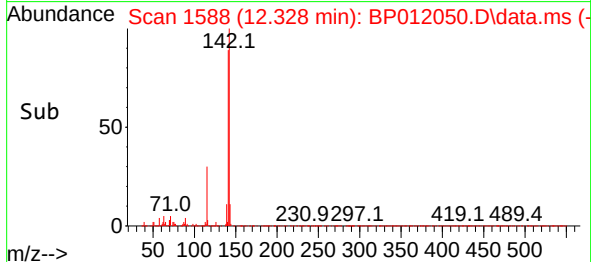
Instrument :
BNA_P
ClientSampleId :
C0BF7



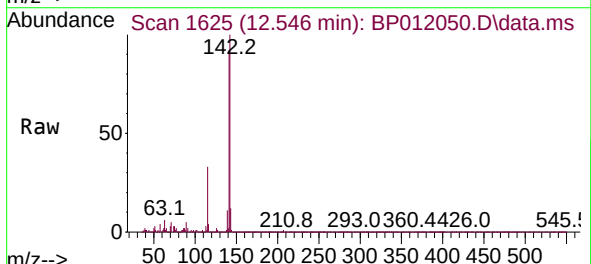
Tgt Ion:142 Resp: 274072
Ion Ratio Lower Upper
142 100
141 89.3 70.7 106.1

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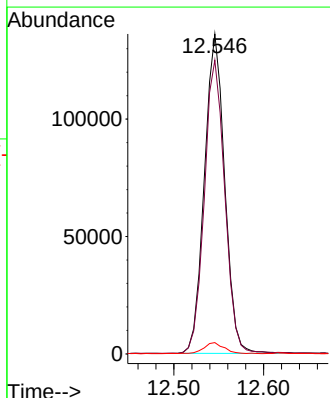
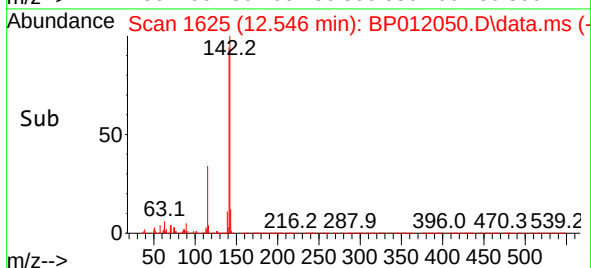
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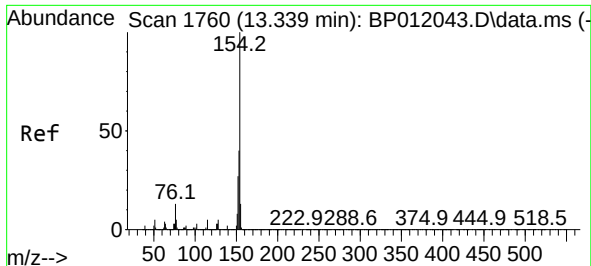


#37
1-Methylnaphthalene
Concen: 7.392 ng/ul
RT: 12.546 min Scan# 1625
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51



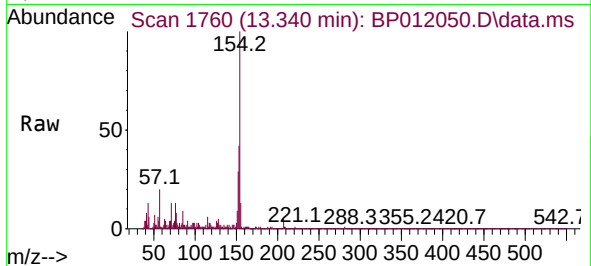
Tgt Ion:142 Resp: 214428
Ion Ratio Lower Upper
142 100
141 91.8 72.9 109.3
116 3.5 2.8 4.2





#43
1,1'-Biphenyl
Concen: 1.211 ng/ul
RT: 13.340 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

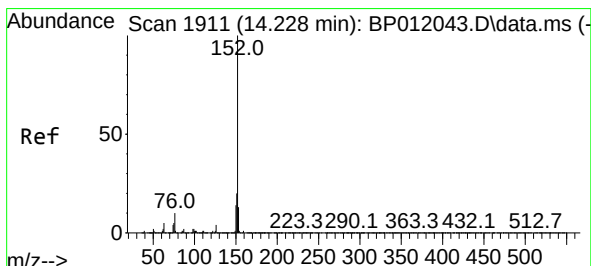
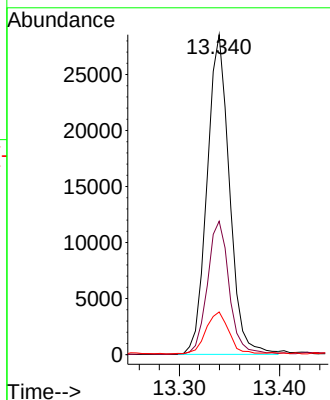
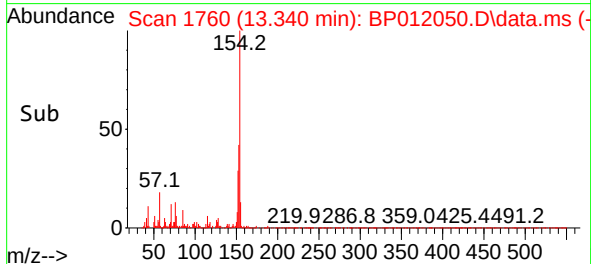
Instrument :
BNA_P
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C0BF7



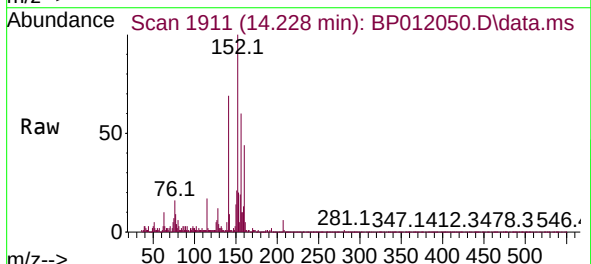
Tgt Ion:154 Resp: 44362
Ion Ratio Lower Upper
154 100
153 41.7 32.2 48.2
76 13.3 10.3 15.5

Manual Integrations
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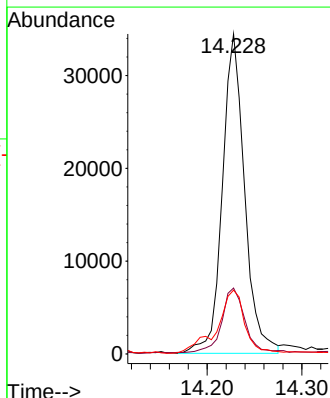
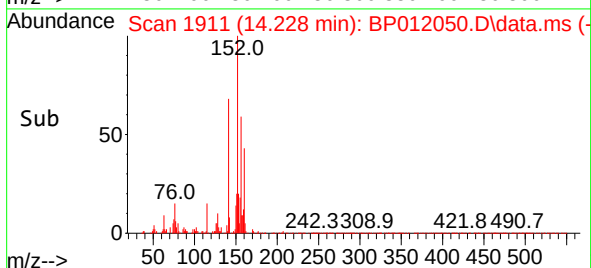
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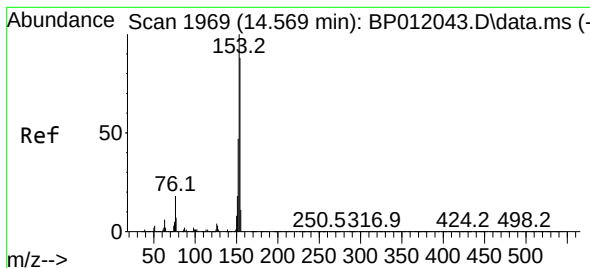


#50
Acenaphthylene
Concen: 1.305 ng/ul
RT: 14.228 min Scan# 1911
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51



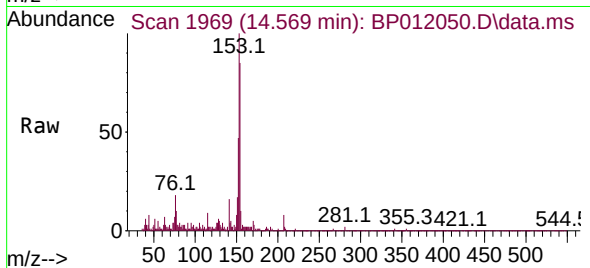
Tgt Ion:152 Resp: 56123
Ion Ratio Lower Upper
152 100
151 20.6 15.7 23.5
153 19.9 10.4 15.6#





#52
Acenaphthene
Concen: 1.081 ng/ul
RT: 14.569 min Scan# 1969
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

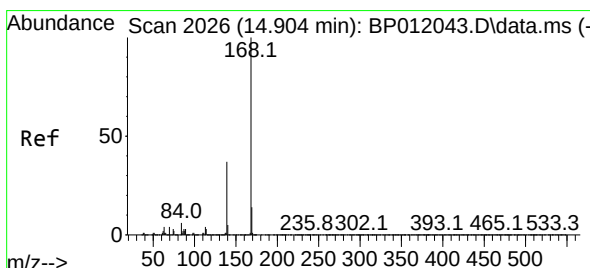
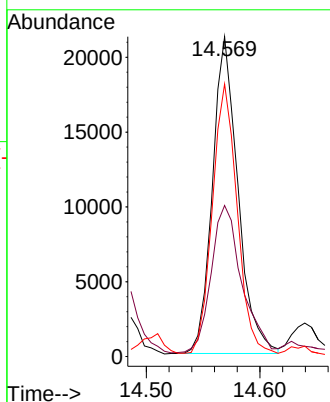
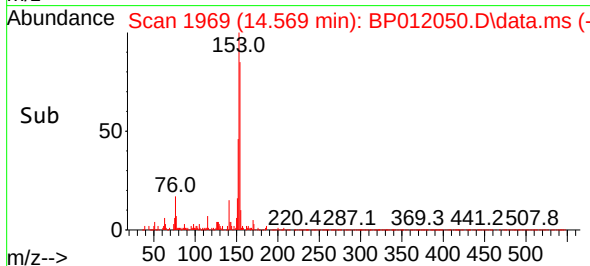
Instrument :
BNA_P
ClientSampleId :
C0BF7



Tgt Ion:153 Resp: 33084
Ion Ratio Lower Upper
153 100
152 47.2 38.2 57.2
154 85.2 70.6 105.8

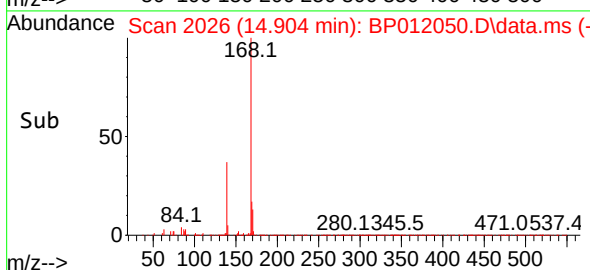
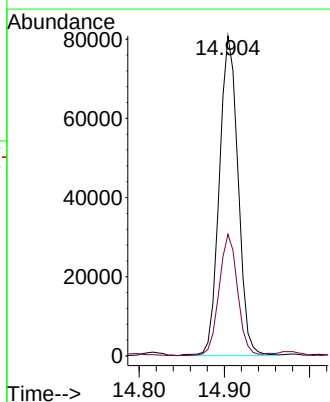
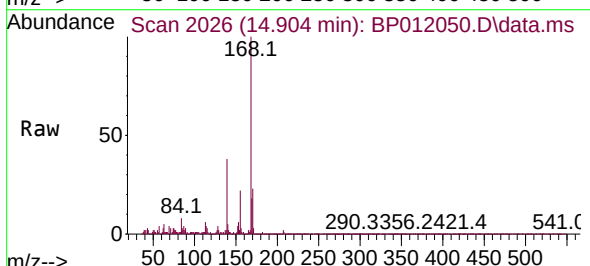
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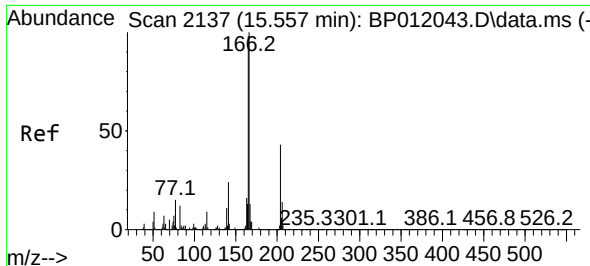
Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022



#56
Dibenzofuran
Concen: 2.978 ng/ul
RT: 14.904 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

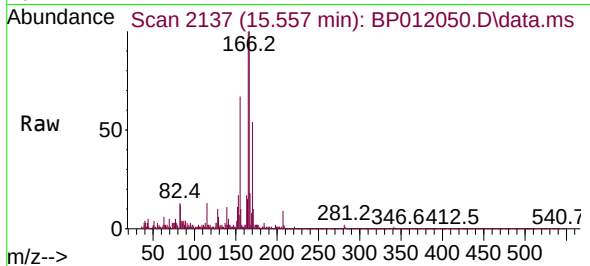
Tgt Ion:168 Resp: 123214
Ion Ratio Lower Upper
168 100
139 38.0 28.2 42.4





#61
Fluorene
Concen: 1.247 ng/ul
RT: 15.557 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

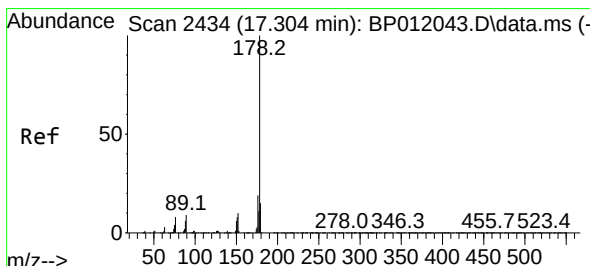
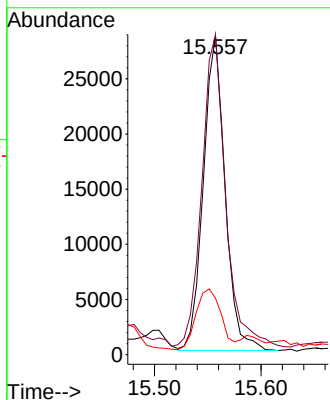
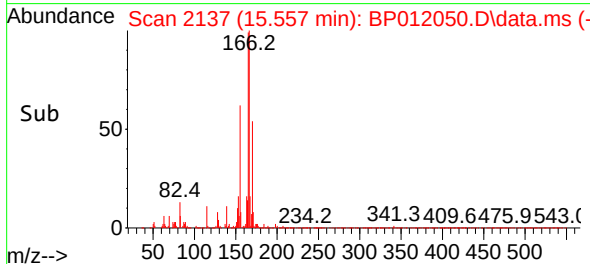
Instrument :
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Tgt Ion:166 Resp: 40496
Ion Ratio Lower Upper
166 100
165 100.2 79.5 119.3
167 17.7 10.9 16.3

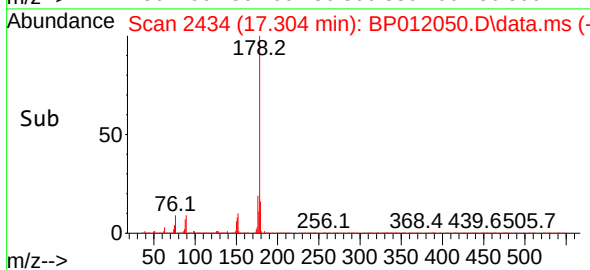
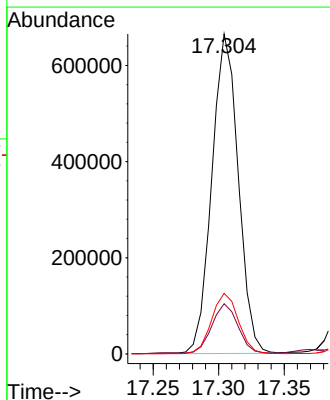
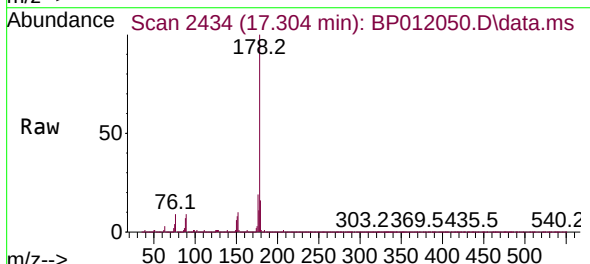
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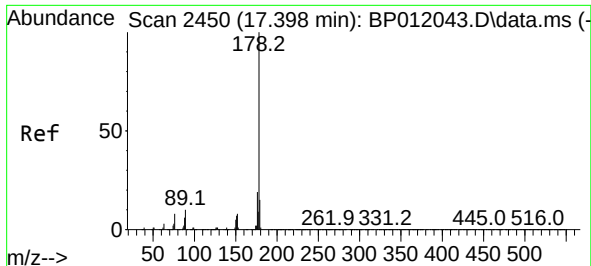
Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022



#72
Phenanthrene
Concen: 15.948 ng/ul
RT: 17.304 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

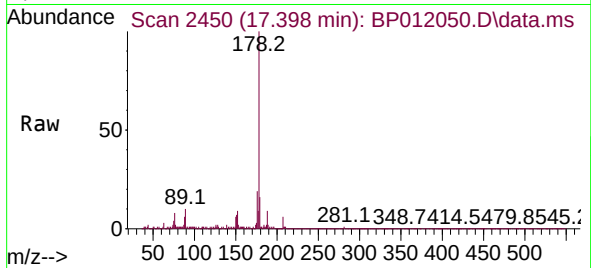
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Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 18.9 15.8 23.6





#74
 Anthracene
 Concen: 3.051 ng/ul
 RT: 17.398 min Scan# 2450
 Delta R.T. -0.000 min
 Lab File: BP012050.D
 Acq: 11 Oct 2022 20:51

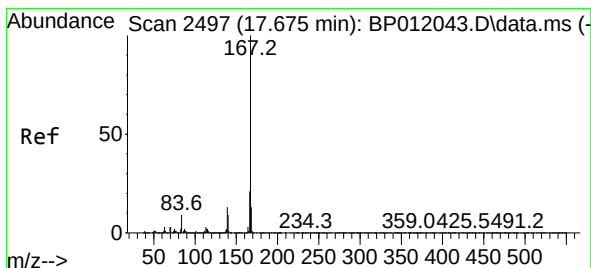
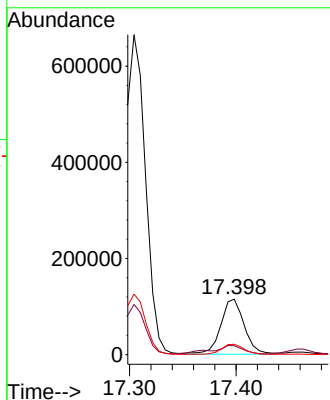
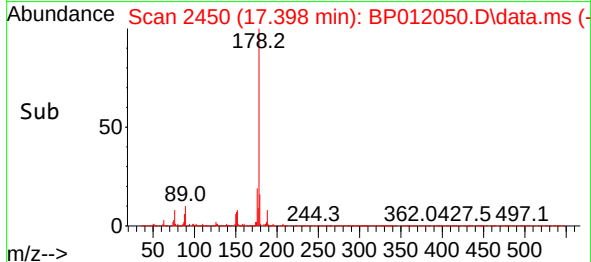
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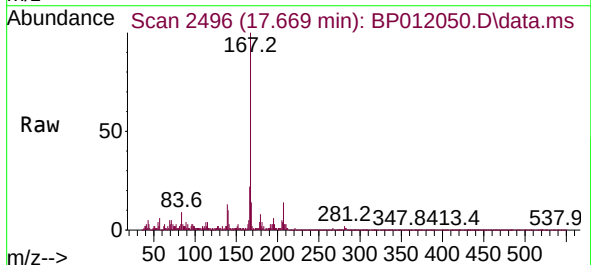
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 Ion Ratio Lower Upper
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 176 18.6 14.8 22.2

Manual Integrations
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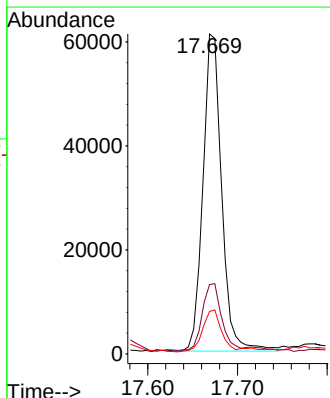
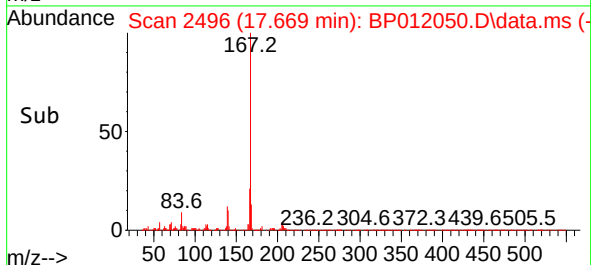
Reviewed By :Jagrut Upadhyay 10/12/2022
 Supervised By :mohammad ahmed 10/14/2022

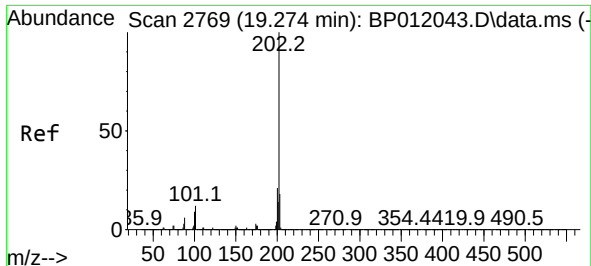


#77
 Carbazole
 Concen: 1.723 ng/ul
 RT: 17.669 min Scan# 2496
 Delta R.T. -0.006 min
 Lab File: BP012050.D
 Acq: 11 Oct 2022 20:51



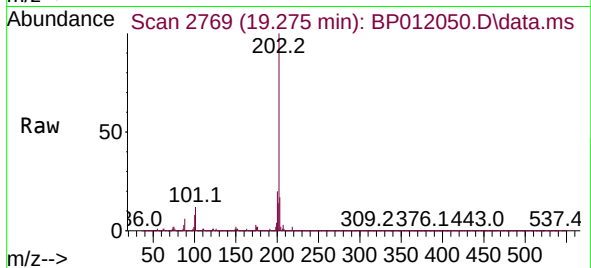
Tgt Ion:167 Resp: 88910
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.3 10.1 15.1





#80
Fluoranthene
Concen: 22.723 ng/u1
RT: 19.275 min Scan# 2769
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

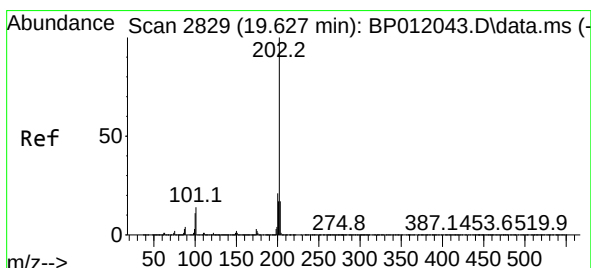
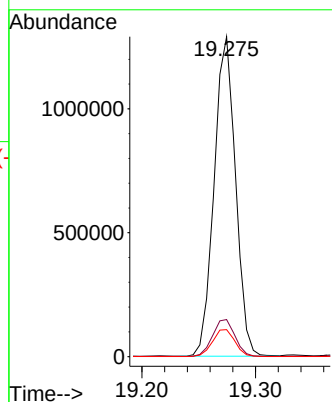
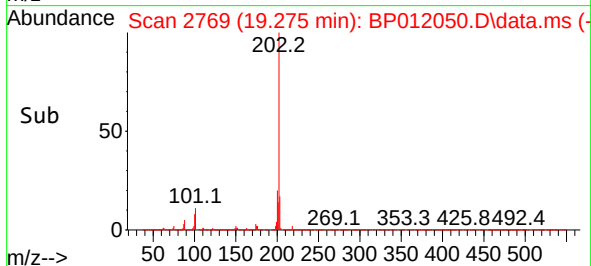
Instrument :
BNA_P
ClientSampleId :
C0BF7



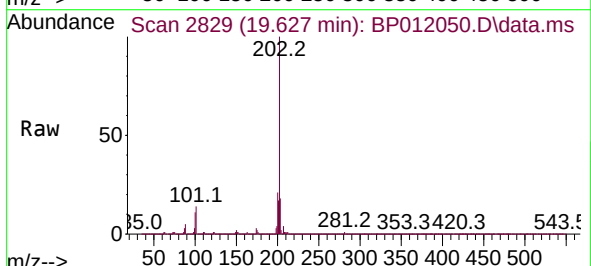
Tgt Ion:202 Resp: 1690925
Ion Ratio Lower Upper
202 100
101 11.6 9.0 13.6
100 8.4 7.0 10.6

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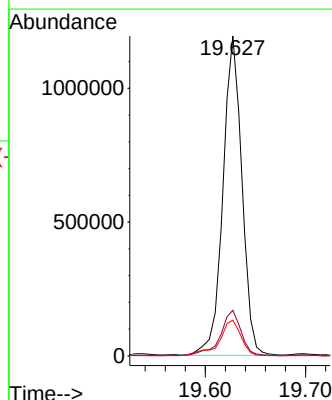
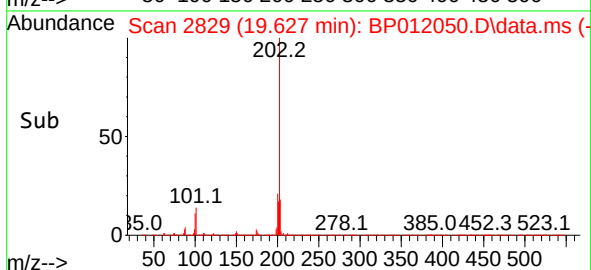
Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022

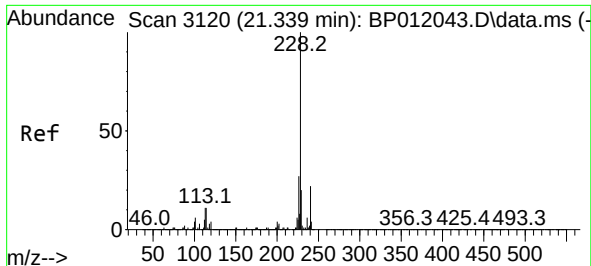


#82
Pyrene
Concen: 19.986 ng/u1
RT: 19.627 min Scan# 2829
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51



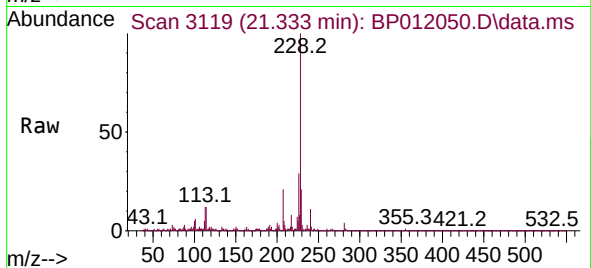
Tgt Ion:202 Resp: 1573929
Ion Ratio Lower Upper
202 100
101 14.2 10.4 15.6
100 11.2 8.5 12.7





#85
Benzo(a)anthracene
Concen: 13.980 ng/ul
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

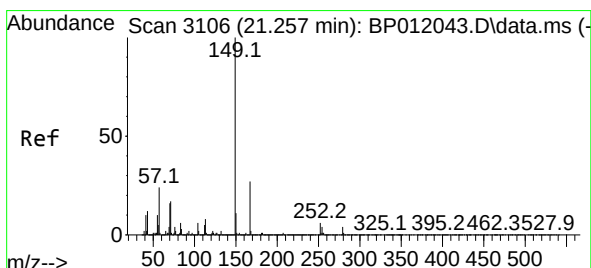
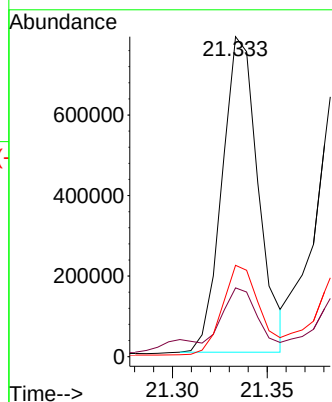
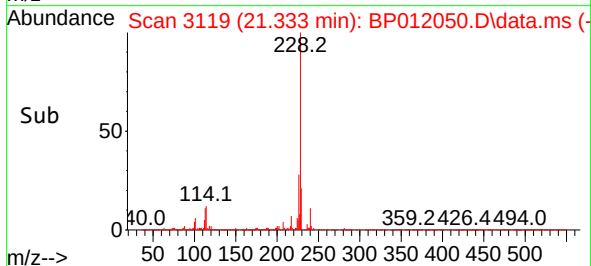
Instrument :
BNA_P
ClientSampleId :
C0BF7



Tgt Ion:228 Resp: 1043143
Ion Ratio Lower Upper
228 100
229 21.5 15.7 23.5
226 28.5 21.9 32.9

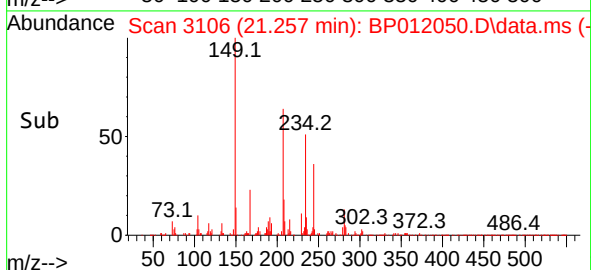
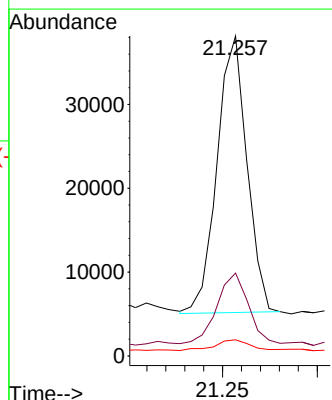
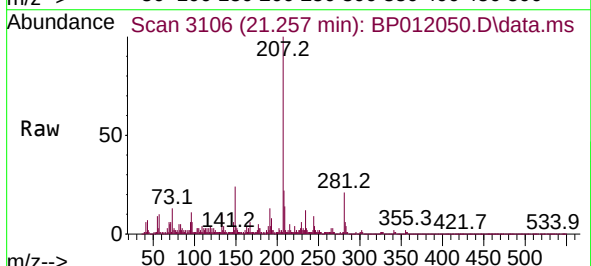
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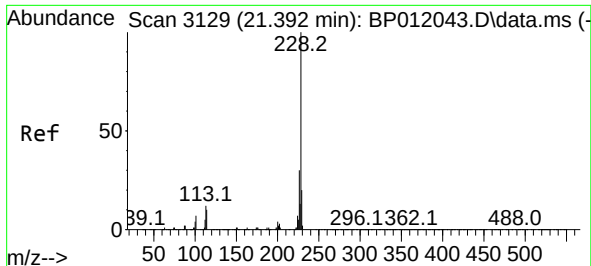
Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022



#86
Bis(2-ethylhexyl)phthalate
Concen: 1.077 ng/ul
RT: 21.257 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

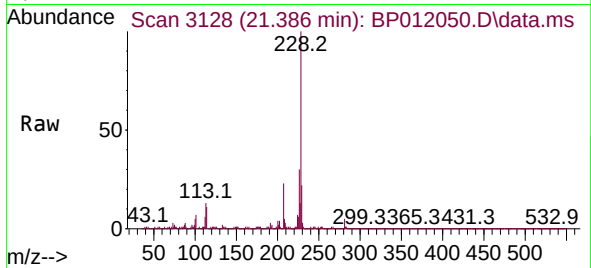
Tgt Ion:149 Resp: 36233
Ion Ratio Lower Upper
149 100
167 25.9 21.9 32.9
279 5.0 3.4 5.2





#87
Chrysene
Concen: 15.330 ng/ul
RT: 21.386 min Scan# 3129
Delta R.T. -0.006 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

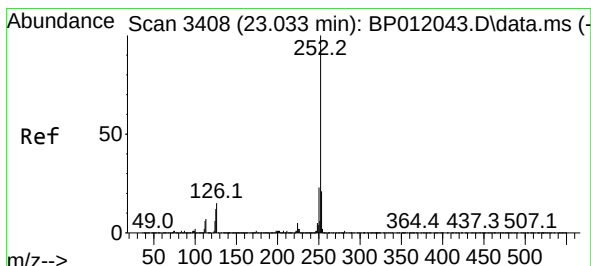
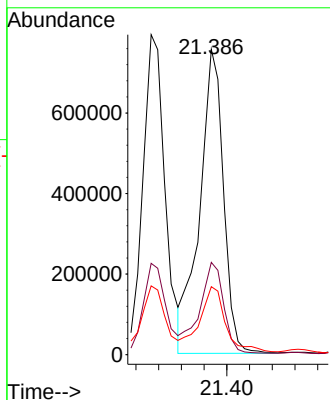
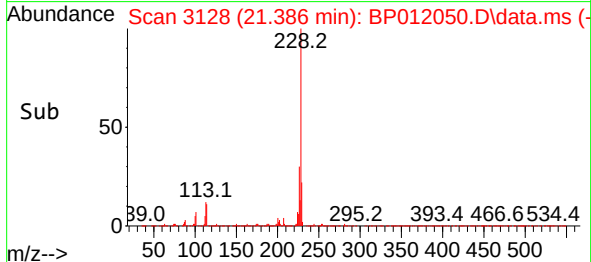
Instrument :
BNA_P
ClientSampleId :
C0BF7



Tgt Ion:228 Resp: 1101062
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.2 15.5 23.3

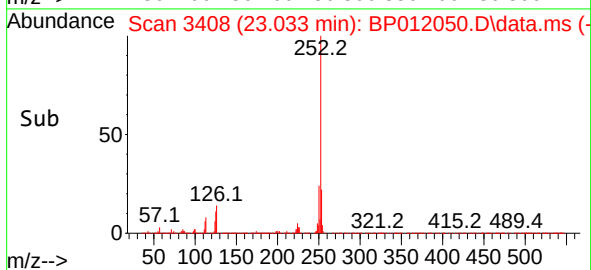
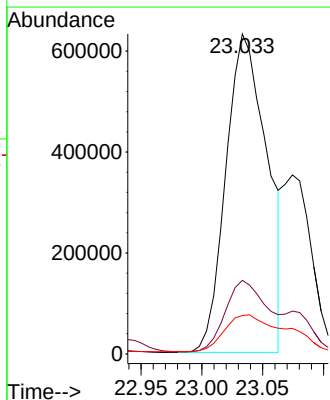
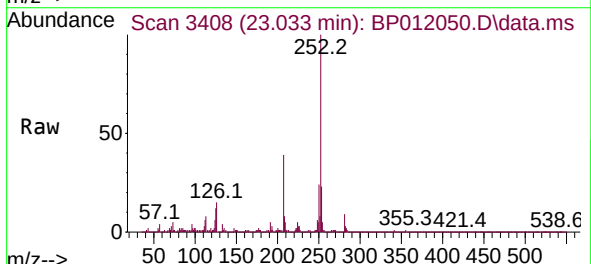
Manual Integrations
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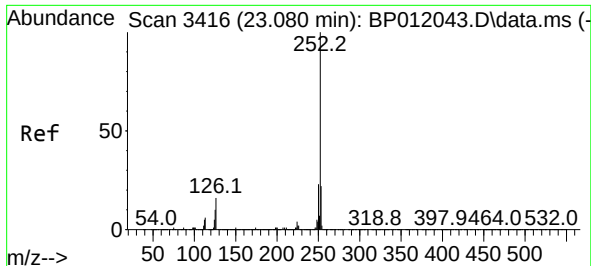
Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022



#90
Benzo(b)fluoranthene
Concen: 17.875 ng/ul
RT: 23.033 min Scan# 3408
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

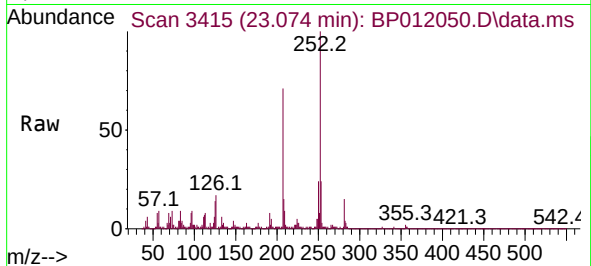
Tgt Ion:252 Resp: 1486231
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.0 7.8 11.8





#91
Benzo(k)fluoranthene
Concen: 6.888 ng/ul m
RT: 23.074 min Scan# 3416
Delta R.T. -0.006 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

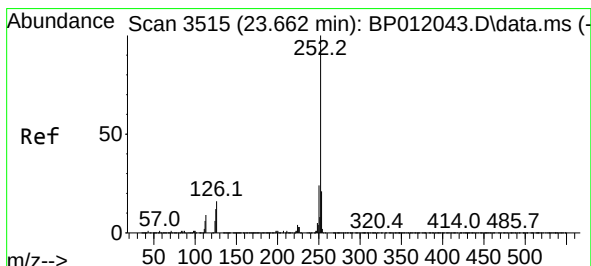
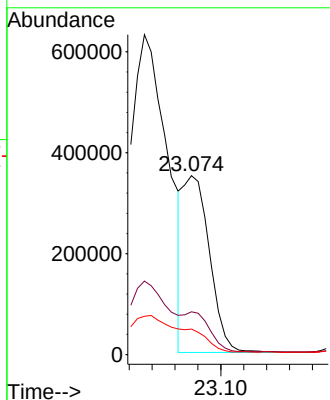
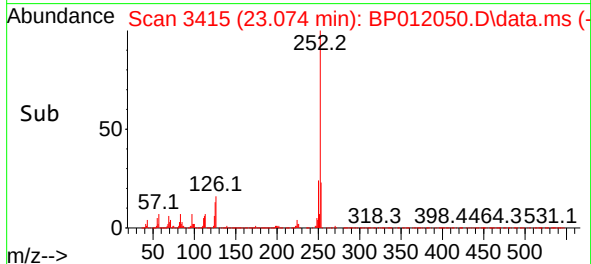
Instrument :
BNA_P
ClientSampleId :
C0BF7



Tgt Ion:252 Resp: 563334
Ion Ratio Lower Upper
252 100
253 23.9 17.6 26.4
125 14.3 8.2 12.2

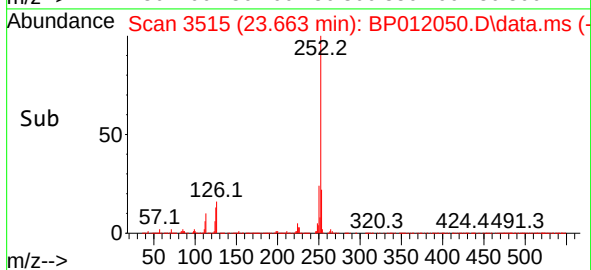
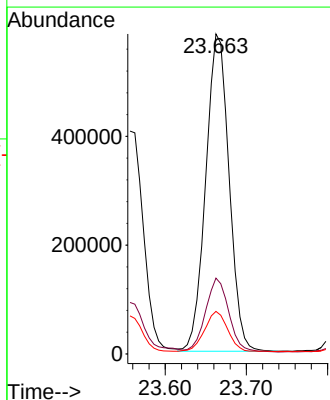
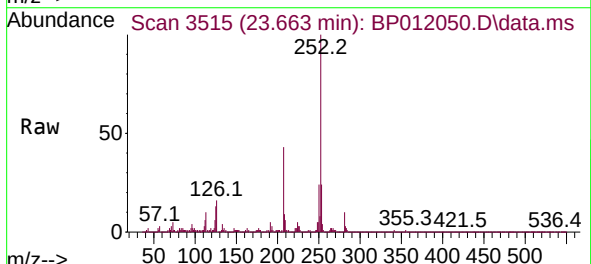
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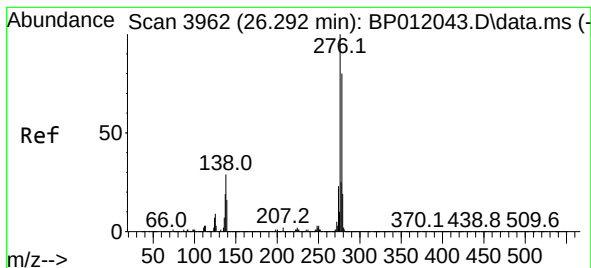
Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022



#93
Benzo(a)pyrene
Concen: 15.735 ng/ul
RT: 23.663 min Scan# 3515
Delta R.T. -0.000 min
Lab File: BP012050.D
Acq: 11 Oct 2022 20:51

Tgt Ion:252 Resp: 1167243
Ion Ratio Lower Upper
252 100
253 23.7 17.6 26.4
125 13.3 8.9 13.3





#94

Indeno(1,2,3-cd)pyrene

Concen: 8.757 ng/ul

RT: 26.286 min Scan# 3962

Delta R.T. -0.006 min

Lab File: BP012050.D

Acq: 11 Oct 2022 20:51

Instrument :

BNA_P

ClientSampleId :

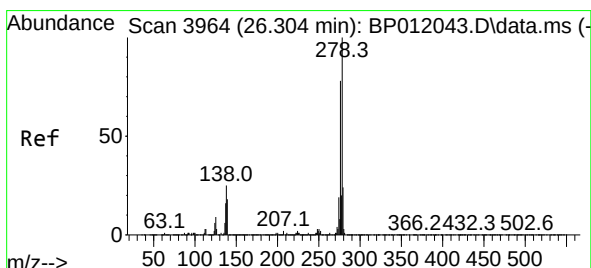
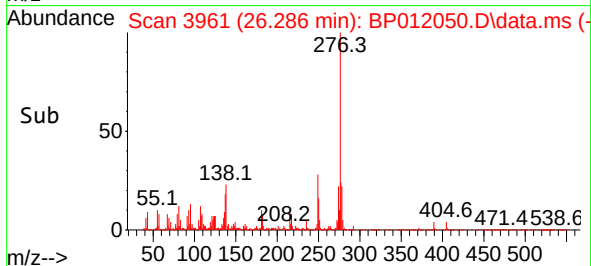
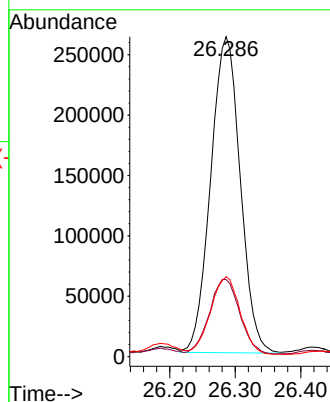
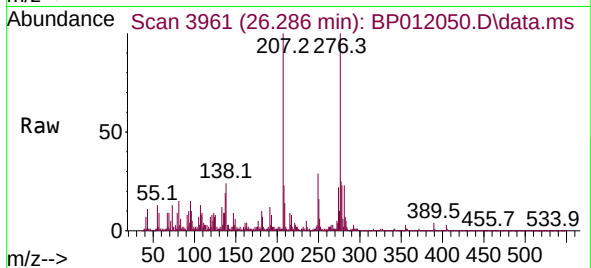
C0BF7

Tgt Ion:	276	Resp:	821345
Ion Ratio	Lower	Upper	
276	100		
138	24.1	19.1	28.7
277	25.0	19.9	29.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/12/2022
Supervised By :mohammad ahmed 10/14/2022



#95

Dibenzo(a,h)anthracene

Concen: 2.624 ng/ul

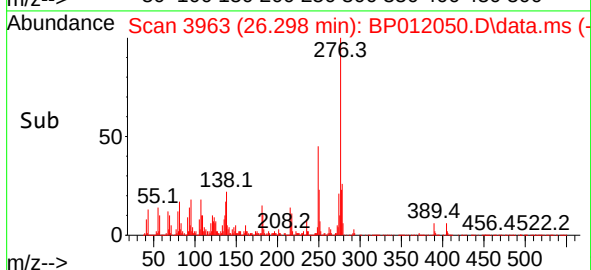
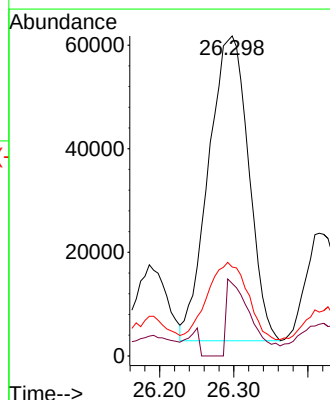
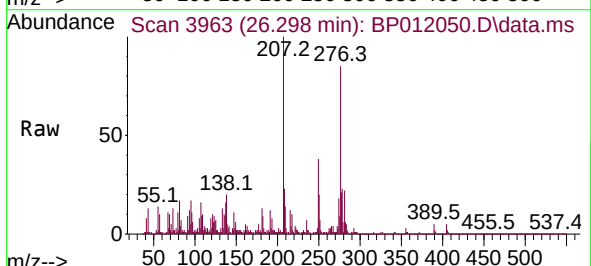
RT: 26.298 min Scan# 3963

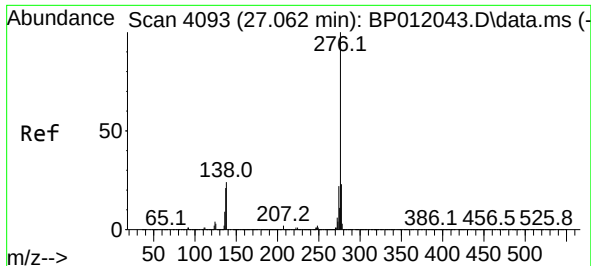
Delta R.T. -0.012 min

Lab File: BP012050.D

Acq: 11 Oct 2022 20:51

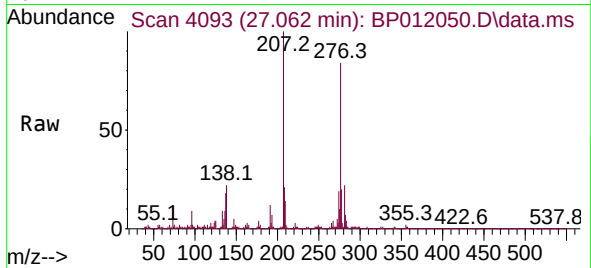
Tgt Ion:	278	Resp:	220769
Ion Ratio	Lower	Upper	
278	100		
139	22.7	12.5	18.7#
279	27.8	19.0	28.4





#96
 Benzo(g,h,i)perylene
 Concen: 8.912 ng/ul
 RT: 27.062 min Scan# 4093
 Delta R.T. -0.000 min
 Lab File: BP012050.D
 Acq: 11 Oct 2022 20:51

Instrument :
 BNA_P
 ClientSampleId :
 C0BF7



Tgt Ion:276	Resp: 75366
Ion Ratio	Lower Upper
276	100
138	25.5 16.5 24.7
277	24.2 19.0 28.4

Manual Integrations
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Reviewed By :Jagrut Upadhyay 10/12/2022
 Supervised By :mohammad ahmed 10/14/2022

