

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP012010.D
 Acq On : 07 Oct 2022 15:33
 Operator : CG/JU
 Sample : N4923-09DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10011DL

Manual Integrations
 APPROVED

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

Quant Time: Oct 07 23:08:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 07 03:22:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	168689	20.000	ng/u1	0.00
20) Naphthalene-d8	10.687	136	654162	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.522	164	380318	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.281	188	796296	20.000	ng/u1	0.00
79) Chrysene-d12	21.369	240	860443	20.000	ng/u1	0.00
88) Perylene-d12	23.798	264	899147	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.305	96	1758	0.460	ng/uL	0.00
4) Pyridine-d5	3.752	84	19921m	1.778	ng/u1	0.04
7) Phenol-d5	7.046	99	13202	0.907	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.211	67	58537	7.252	ng/u1	0.00
11) 2-Chlorophenol-d4	7.405	132	39508	3.437	ng/u1	0.00
15) 4-Methylphenol-d8	8.593	113	28479	2.366	ng/u1	0.00
21) Nitrobenzene-d5	9.046	128	40572	8.143	ng/u1	0.00
24) 2-Nitrophenol-d4	9.769	143	24067	4.515	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.305	165	44198	4.482	ng/u1	0.00
31) 4-Chloroaniline-d4	10.828	131	138548m	9.217	ng/u1	0.00
46) Dimethylphthalate-d6	13.934	166	214110	7.873	ng/u1	0.00
49) Acenaphthylene-d8	14.216	160	260319	8.396	ng/u1	0.00
54) 4-Nitrophenol-d4	14.716	143	1370	0.243	ng/u1	0.00
60) Fluorene-d10	15.516	176	198988	8.425	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.640	200	12931	2.683	ng/u1	0.00
73) Anthracene-d10	17.381	188	312366	8.612	ng/u1	0.00
81) Pyrene-d10	19.616	212	375147	8.609	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.639	264	374869	8.329	ng/u1	0.00
Target Compounds						
					Qvalue	
13) 2-Methylphenol	8.322	108	242611	20.387	ng/u1	98
18) 4-Methylphenol	8.652	108	25282	1.928	ng/u1	98
26) 2,4-Dimethylphenol	9.893	107	1011148m	88.405	ng/u1	
30) Naphthalene	10.734	128	1868043	53.166	ng/u1	100
36) 2-Methylnaphthalene	12.346	142	43079	1.756	ng/u1	99
37) 1-Methylnaphthalene	12.563	142	1338580	54.367	ng/u1	98
43) 1,1'-Biphenyl	13.357	154	268283	9.537	ng/u1	98
50) Acenaphthylene	14.246	152	359676	10.445	ng/u1	99
52) Acenaphthene	14.587	153	693375	28.541	ng/u1	99
56) Dibenzofuran	14.922	168	611598	18.380	ng/u1	98
61) Fluorene	15.575	166	262307	9.625	ng/u1	99
72) Phenanthrene	17.322	178	920142	21.026	ng/u1	99
74) Anthracene	17.416	178	121793	2.766	ng/u1	99
77) Carbazole	17.692	167	132882	3.340	ng/u1	99
80) Fluoranthene	19.292	202	554051	10.389	ng/u1	99
82) Pyrene	19.645	202	441201	7.946	ng/u1	99
85) Benzo(a)anthracene	21.351	228	187129	3.326	ng/u1	97
87) Chrysene	21.404	228	152828	2.894	ng/u1	97
90) Benzo(b)fluoranthene	23.057	252	231226	4.029	ng/u1	96
91) Benzo(k)fluoranthene	23.098	252	63643m	1.152	ng/u1	
93) Benzo(a)pyrene	23.692	252	153559	2.998	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.327	276	92037	1.412	ng/u1	97
96) Benzo(g,h,i)perylene	27.110	276	91948	1.591	ng/u1	96

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Instrument :
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E10011DL

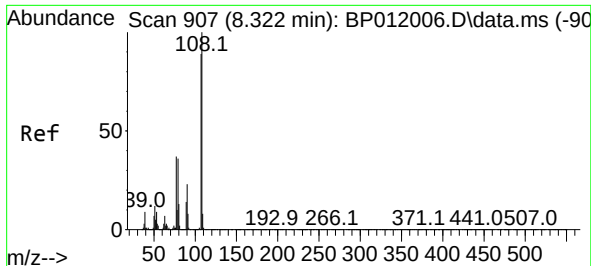
Manual Integrations
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 07 03:22:44 2022
Response via : Initial Calibration

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



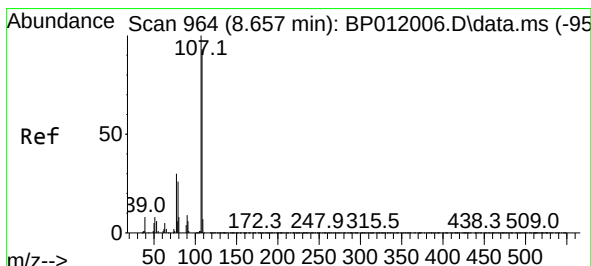
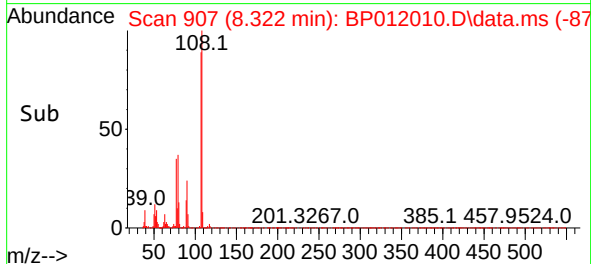
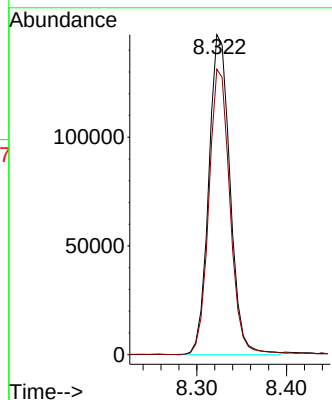
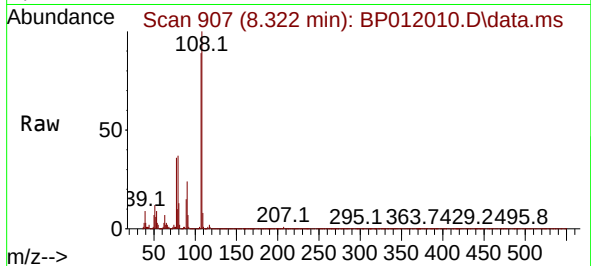
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2-Methylphenol
Concen: 20.387 ng/ul
RT: 8.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

Instrument :
BNA_P
ClientSampleId :
E10011DL

Tgt Ion:108 Resp: 24261
Ion Ratio Lower Upper
108 100
107 89.2 70.2 105.2

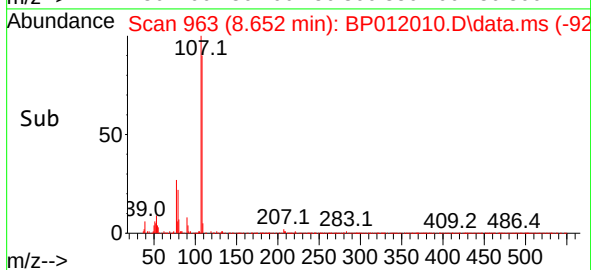
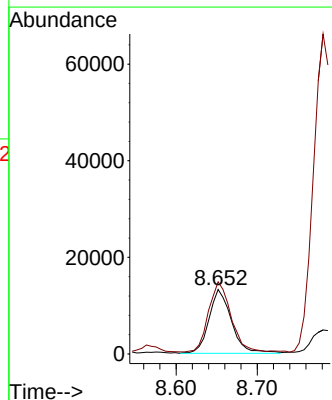
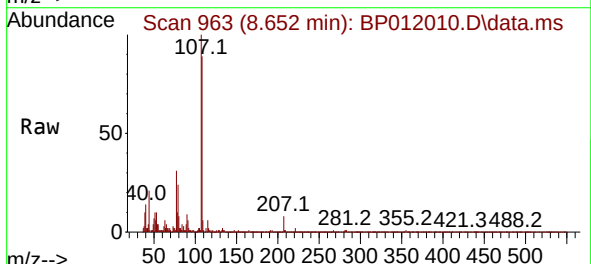
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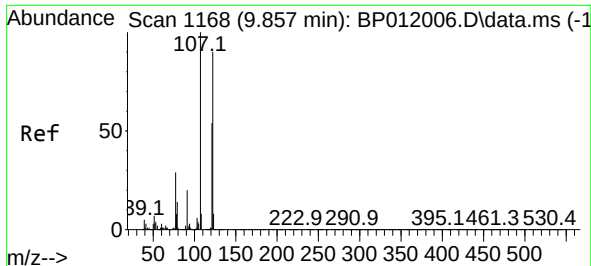
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#18
4-Methylphenol
Concen: 1.928 ng/ul
RT: 8.652 min Scan# 963
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

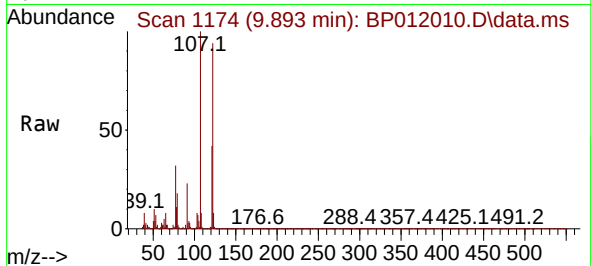
Tgt Ion:108 Resp: 25282
Ion Ratio Lower Upper
108 100
107 111.8 88.0 132.0





#26
2,4-Dimethylphenol
Concen: 88.405 ng/ul m
RT: 9.893 min Scan# 1174
Delta R.T. 0.035 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

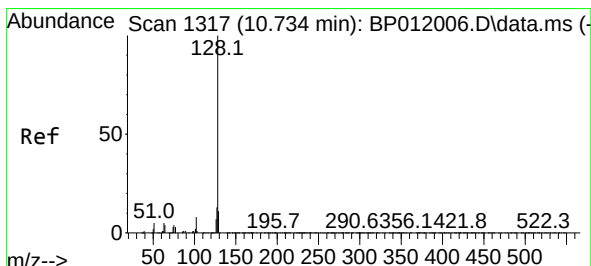
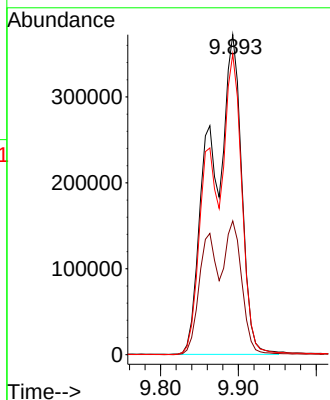
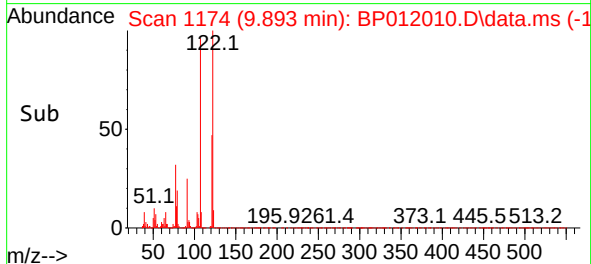
Instrument :
BNA_P
ClientSampleId :
E10011DL



Tgt Ion:107 Resp: 101114
Ion Ratio Lower Upper
107 100
121 41.8 43.0 64.6
122 94.0 74.9 112.3

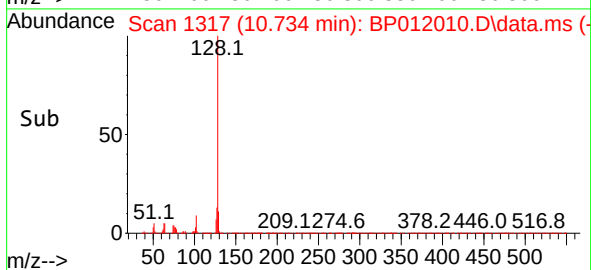
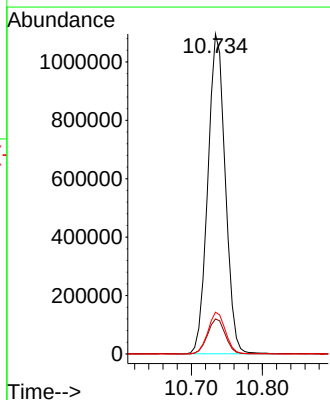
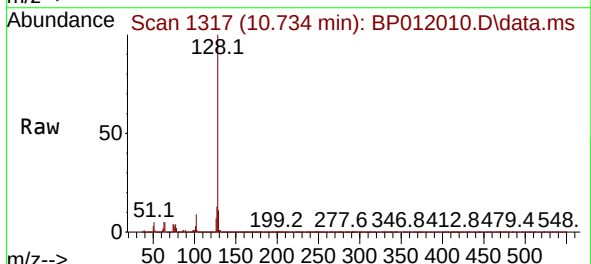
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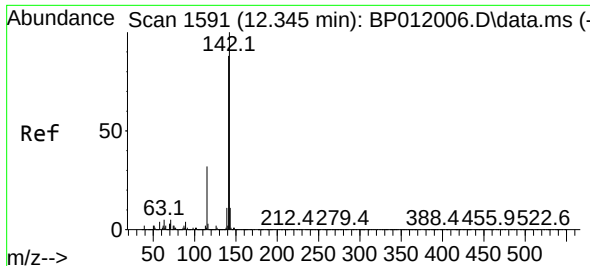
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#30
Naphthalene
Concen: 53.166 ng/ul
RT: 10.734 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

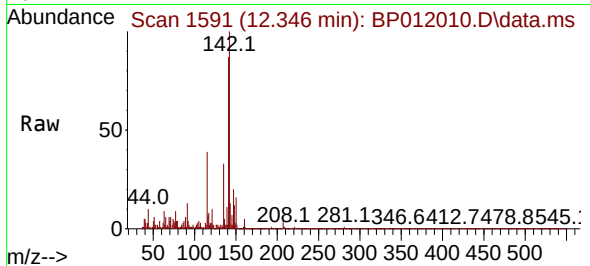
Tgt Ion:128 Resp: 1868043
Ion Ratio Lower Upper
128 100
129 11.0 8.9 13.3
127 13.1 10.5 15.7





#36
2-Methylnaphthalene
Concen: 1.756 ng/ul
RT: 12.346 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

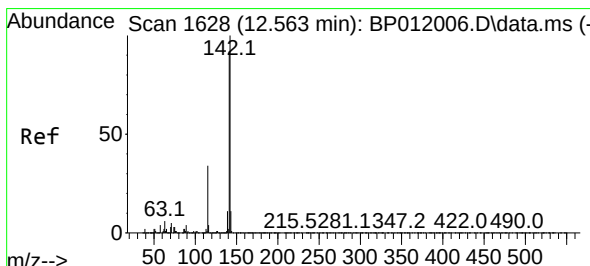
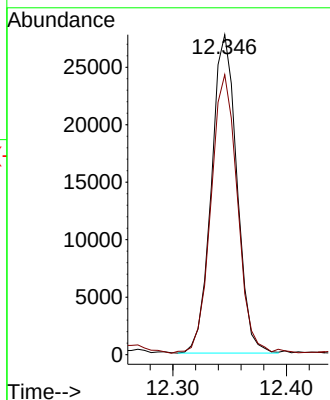
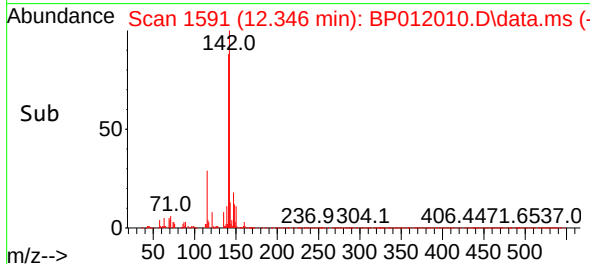
Instrument :
BNA_P
ClientSampleId :
E10011DL



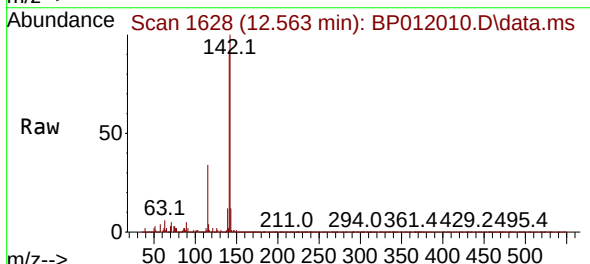
Tgt Ion:142 Resp: 43079
Ion Ratio Lower Upper
142 100
141 87.5 70.6 106.0

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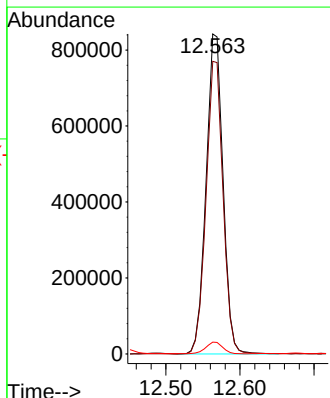
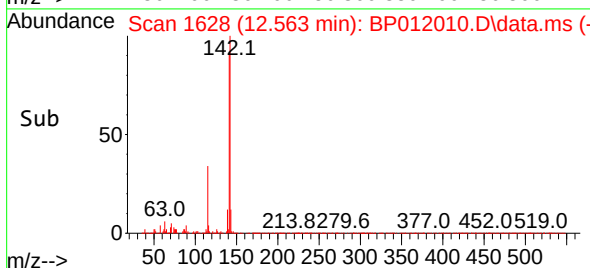
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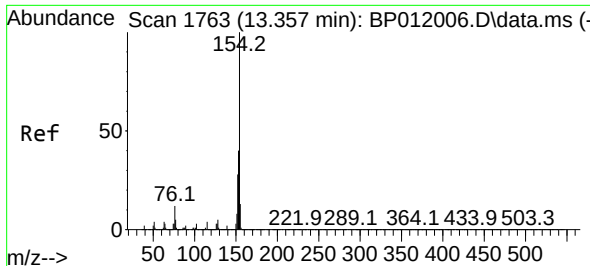


#37
1-Methylnaphthalene
Concen: 54.367 ng/ul
RT: 12.563 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33



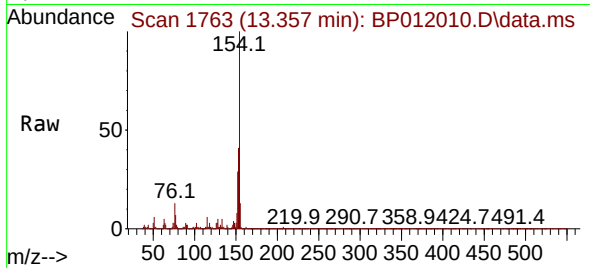
Tgt Ion:142 Resp: 1338580
Ion Ratio Lower Upper
142 100
141 91.4 74.8 112.2
116 3.7 2.9 4.3





#43
1,1'-Biphenyl
Concen: 9.537 ng/ul
RT: 13.357 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

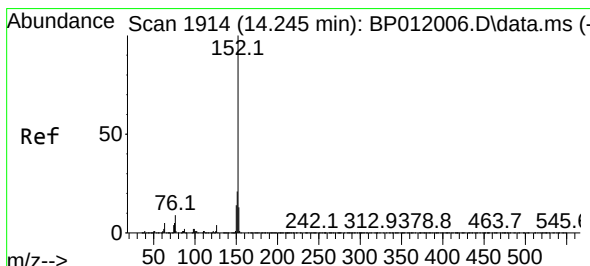
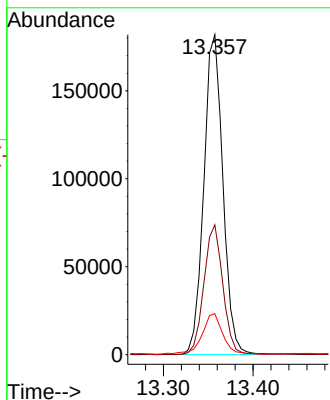
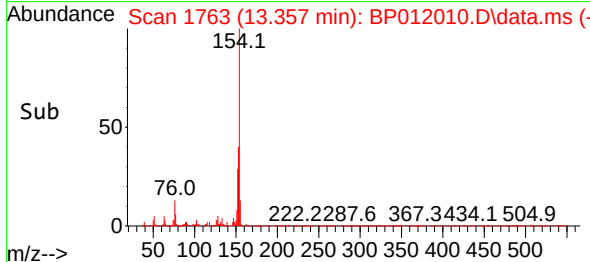
Instrument :
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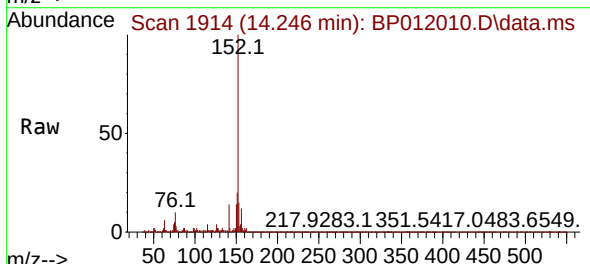
Tgt Ion:154 Resp: 26828
Ion Ratio Lower Upper
154 100
153 40.6 31.8 47.6
76 12.8 9.5 14.3

Manual Integrations
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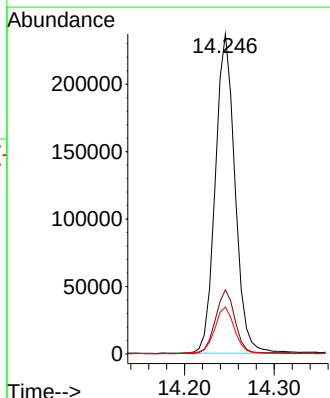
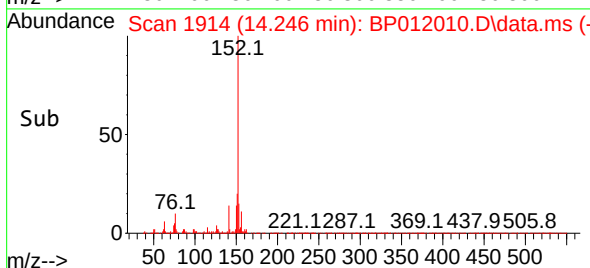
Reviewed By :Jagrut Upadhyay 10/10/2022
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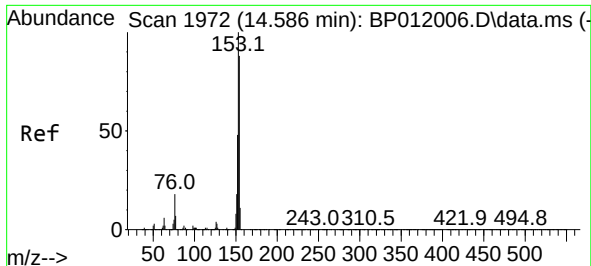


#50
Acenaphthylene
Concen: 10.445 ng/ul
RT: 14.246 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33



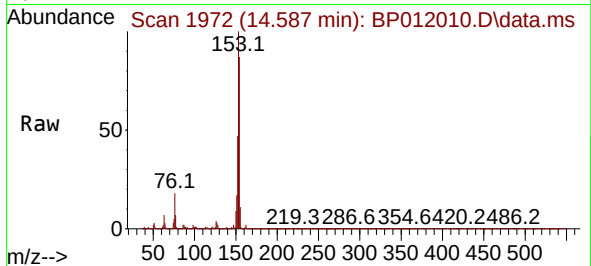
Tgt Ion:152 Resp: 359676
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 14.7 10.8 16.2





#52
Acenaphthene
Concen: 28.541 ng/ul
RT: 14.587 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

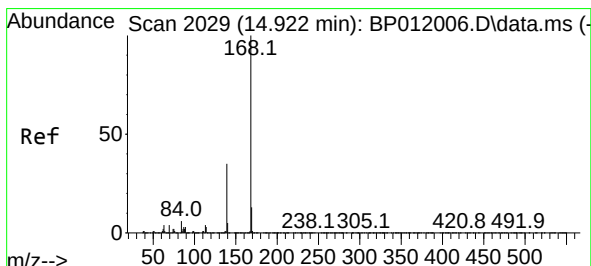
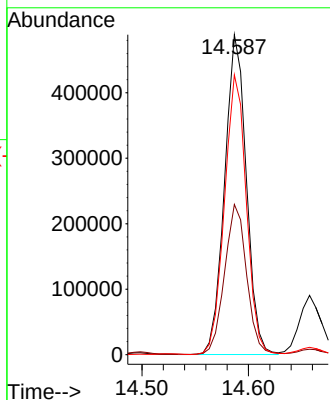
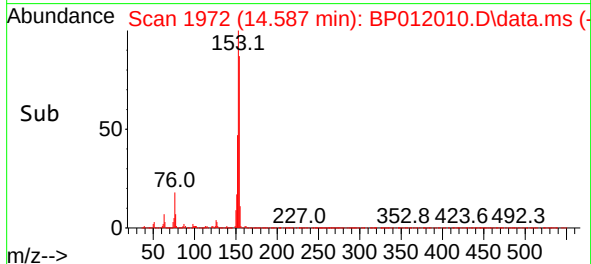
Instrument :
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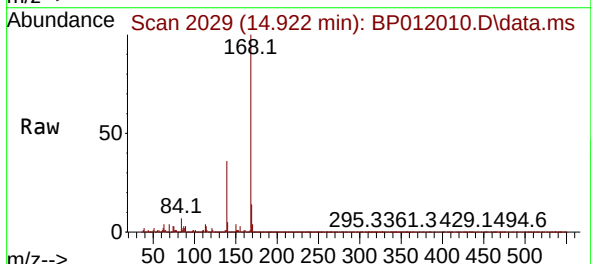
Tgt Ion:153 Resp: 693379
Ion Ratio Lower Upper
153 100
152 46.9 38.4 57.6
154 87.4 70.6 105.8

Manual Integrations
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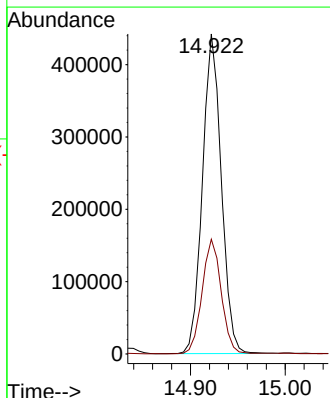
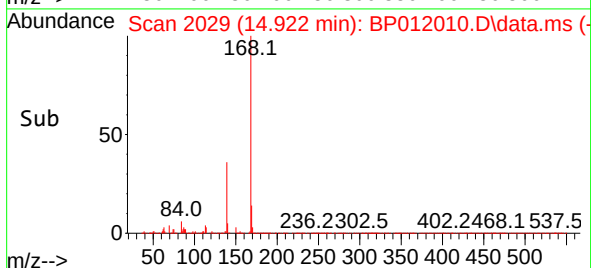
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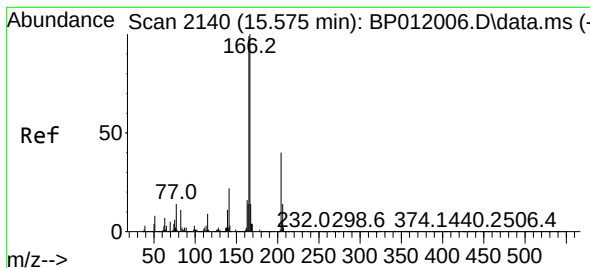


#56
Dibenzofuran
Concen: 18.380 ng/ul
RT: 14.922 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33



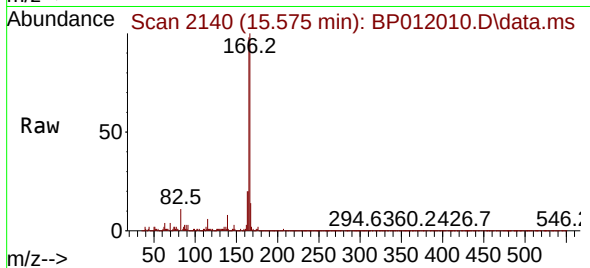
Tgt Ion:168 Resp: 611598
Ion Ratio Lower Upper
168 100
139 35.9 29.4 44.2





#61
Fluorene
Concen: 9.625 ng/ul
RT: 15.575 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

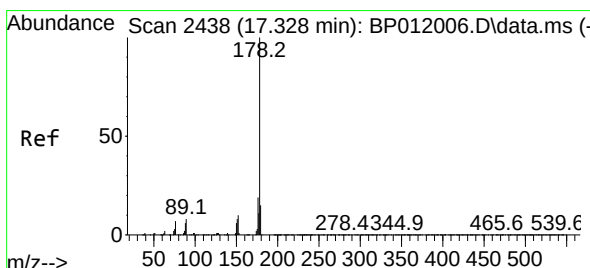
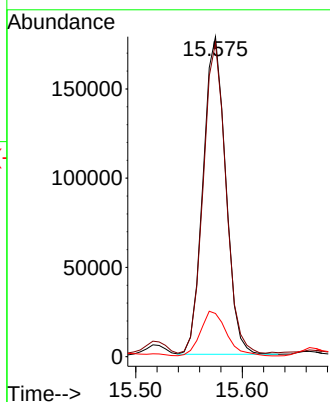
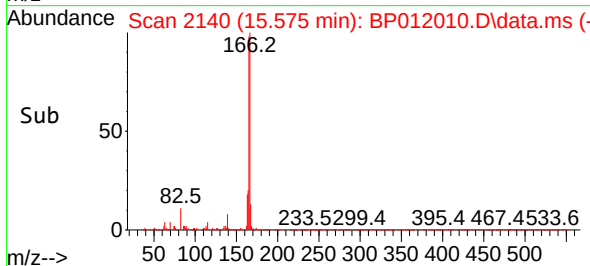
Instrument :
BNA_P
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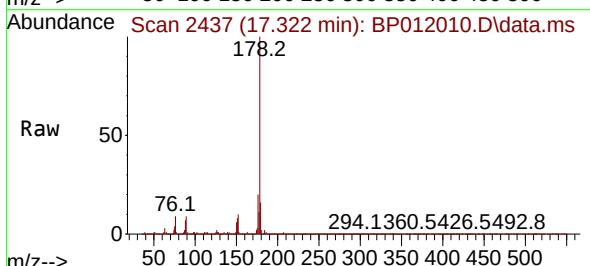
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Ion Ratio Lower Upper
166 100
165 98.1 77.2 115.8
167 13.5 10.7 16.1

Manual Integrations
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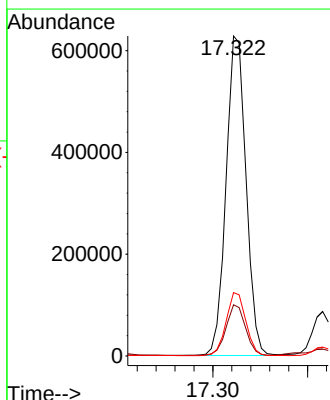
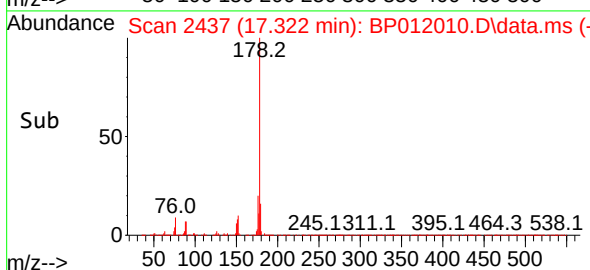
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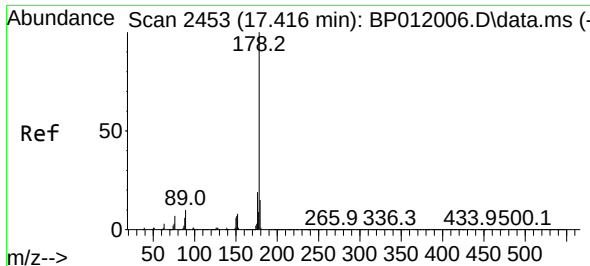


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Phenanthrene
Concen: 21.026 ng/ul
RT: 17.322 min Scan# 2437
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33



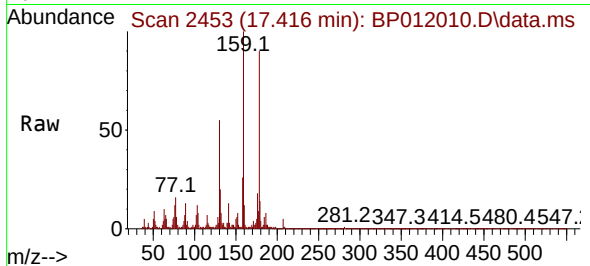
Tgt Ion:178 Resp: 920142
Ion Ratio Lower Upper
178 100
179 16.0 12.5 18.7
176 19.8 15.4 23.2





#74
 Anthracene
 Concen: 2.766 ng/ul
 RT: 17.416 min Scan# 2453
 Delta R.T. 0.006 min
 Lab File: BP012010.D
 Acq: 07 Oct 2022 15:33

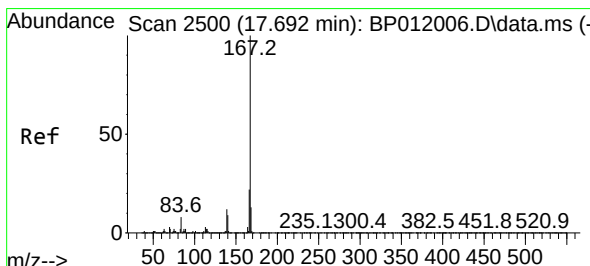
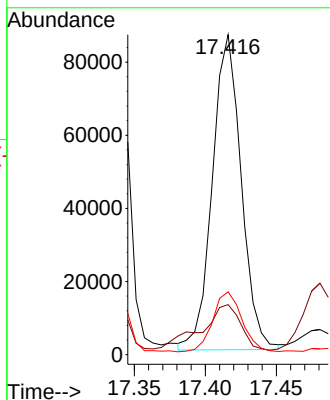
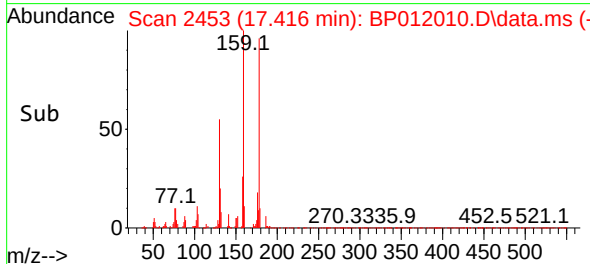
Instrument :
 BNA_P
 ClientSampleId :
 E10011DL



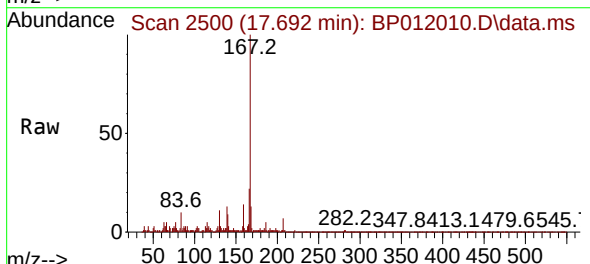
Tgt Ion:178 Resp: 12179
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.3 18.5
 176 19.6 15.4 23.2

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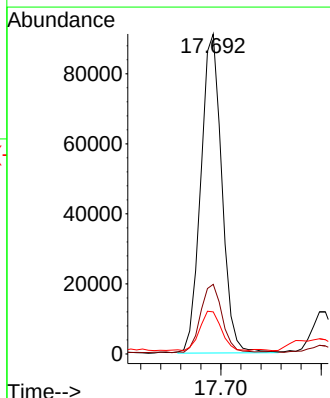
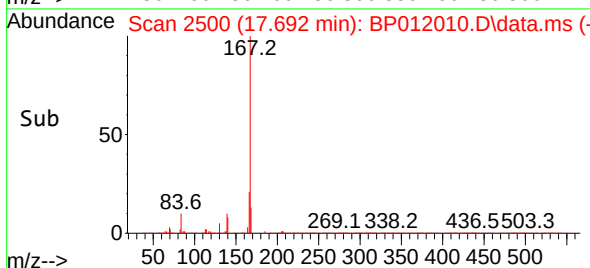
Reviewed By :Jagrut Upadhyay 10/10/2022
 Supervised By :mohammad ahmed 10/10/2022

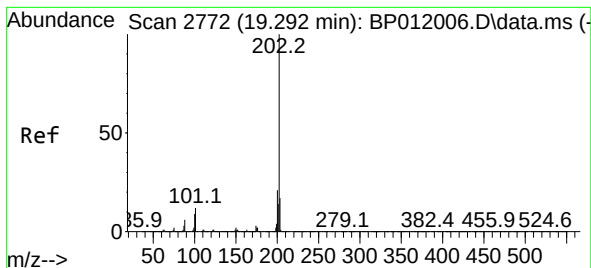


#77
 Carbazole
 Concen: 3.340 ng/ul
 RT: 17.692 min Scan# 2500
 Delta R.T. 0.006 min
 Lab File: BP012010.D
 Acq: 07 Oct 2022 15:33



Tgt Ion:167 Resp: 132882
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 13.2 10.1 15.1





#80

Fluoranthene

Concen: 10.389 ng/u1

RT: 19.292 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP012010.D

Acq: 07 Oct 2022 15:33

Instrument :

BNA_P

ClientSampleId :

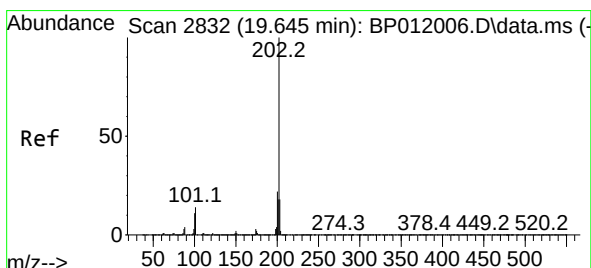
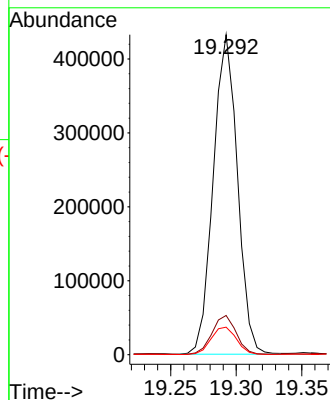
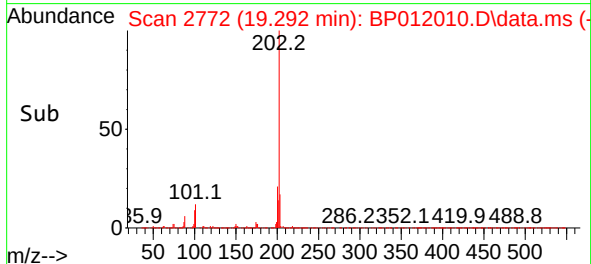
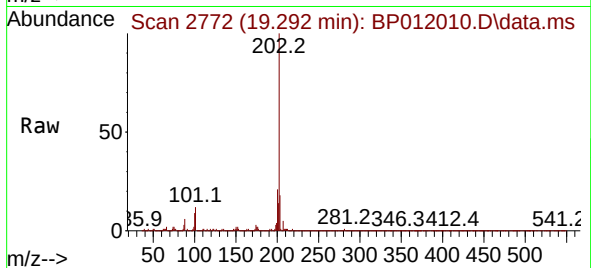
E10011DL

Tgt Ion:202 Resp: 55405
 Ion Ratio Lower Upper
 202 100
 101 12.2 9.8 14.6
 100 8.6 7.4 11.0

Manual Integrations

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



#82

Pyrene

Concen: 7.946 ng/u1

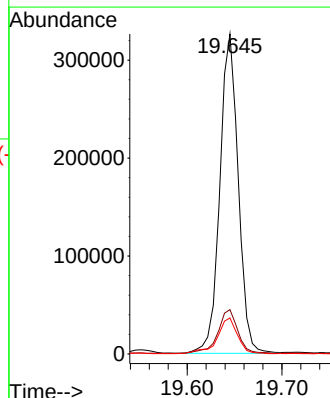
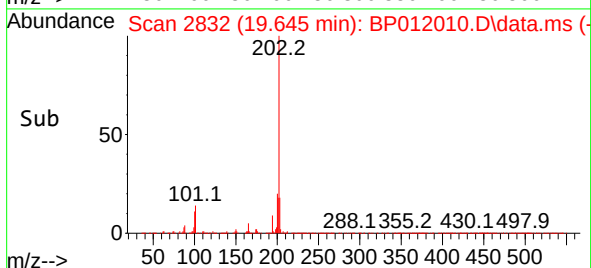
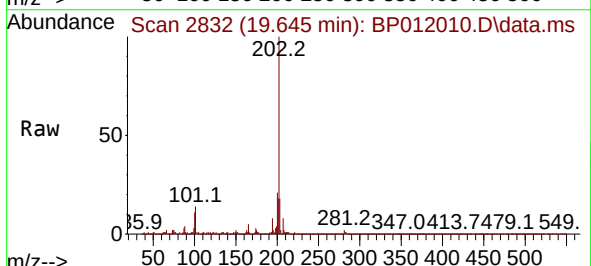
RT: 19.645 min Scan# 2832

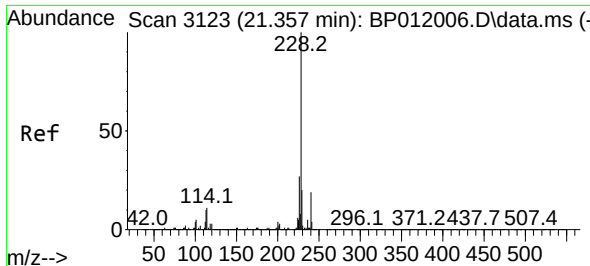
Delta R.T. 0.006 min

Lab File: BP012010.D

Acq: 07 Oct 2022 15:33

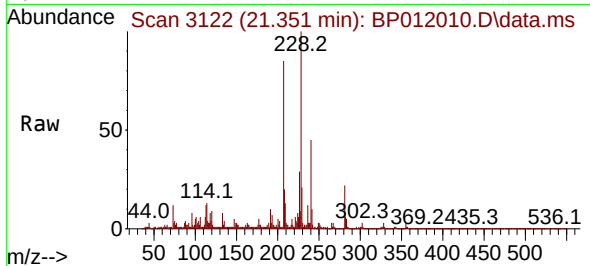
Tgt Ion:202 Resp: 441201
 Ion Ratio Lower Upper
 202 100
 101 13.9 11.6 17.4
 100 11.2 9.4 14.0





#85
Benzo(a)anthracene
Concen: 3.326 ng/ul
RT: 21.351 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

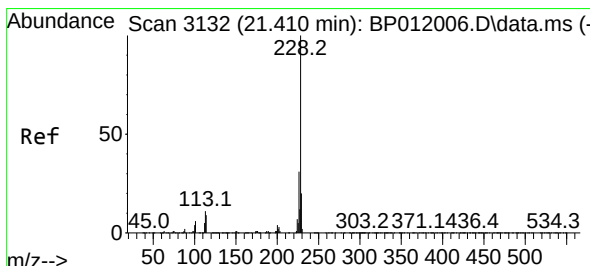
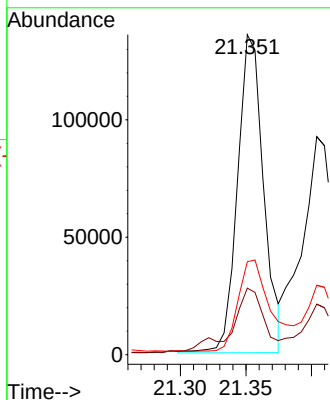
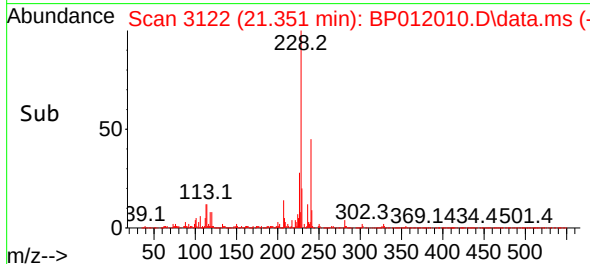
Instrument :
BNA_P
ClientSampleId :
E10011DL



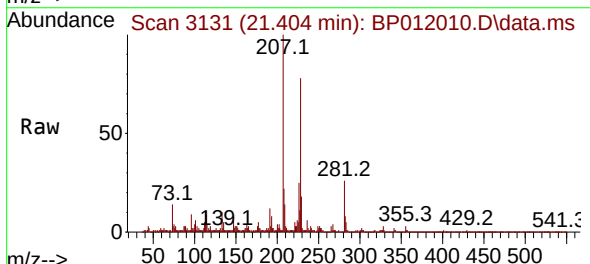
Tgt Ion:228 Resp: 187129
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 29.1 22.0 33.0

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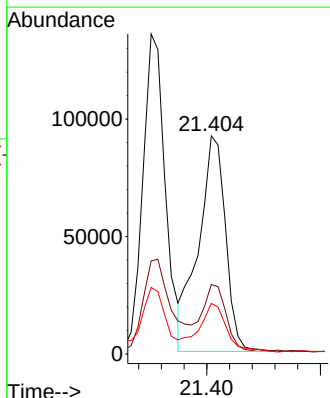
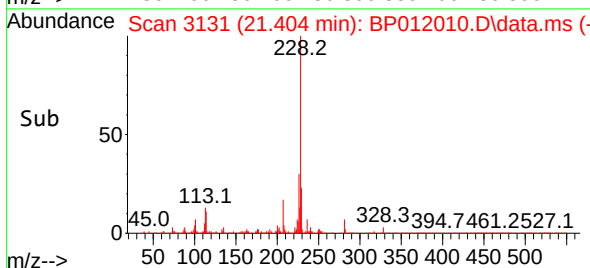
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022

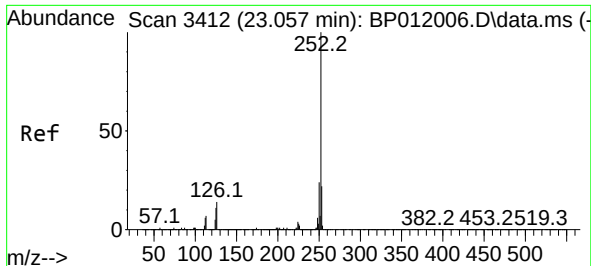


#87
Chrysene
Concen: 2.894 ng/ul
RT: 21.404 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33



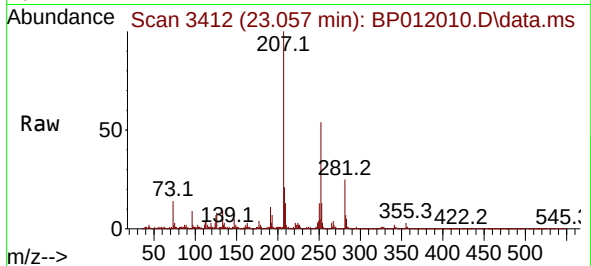
Tgt Ion:228 Resp: 152828
Ion Ratio Lower Upper
228 100
226 31.9 25.3 37.9
229 23.2 16.2 24.2





#90
Benzo(b)fluoranthene
Concen: 4.029 ng/ul
RT: 23.057 min Scan# 3412
Delta R.T. 0.006 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

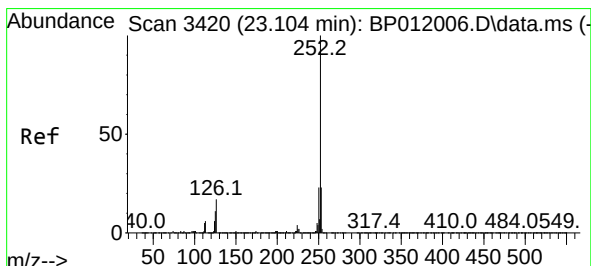
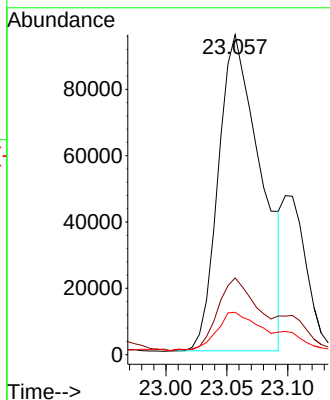
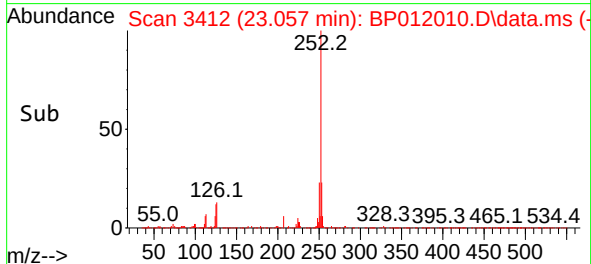
Instrument :
BNA_P
ClientSampleId :
E10011DL



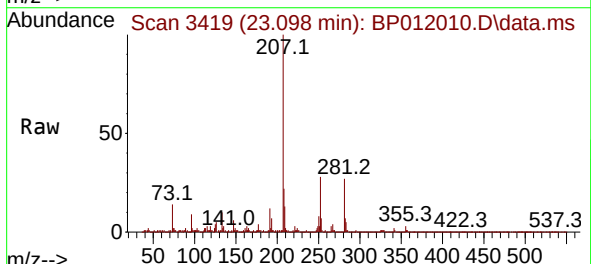
Tgt Ion:252 Resp: 231220
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.8
125 13.2 9.2 13.8

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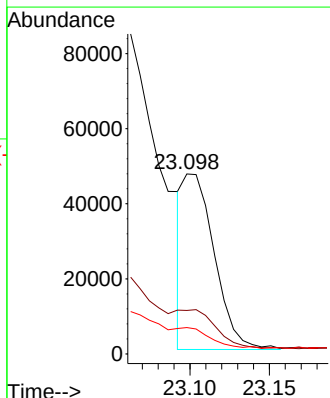
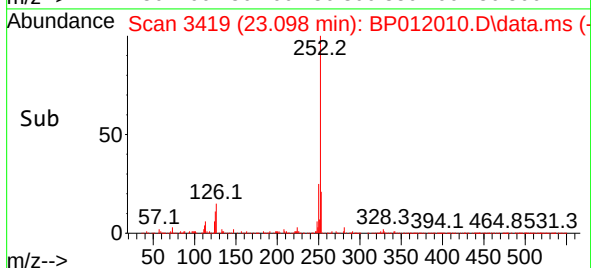
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022

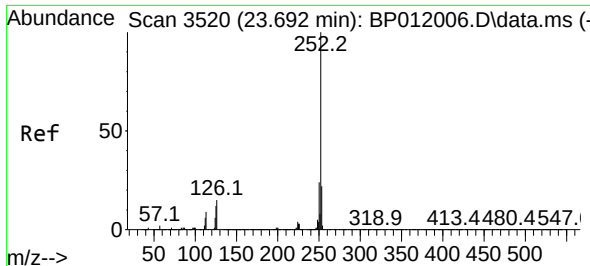


#91
Benzo(k)fluoranthene
Concen: 1.152 ng/ul m
RT: 23.098 min Scan# 3419
Delta R.T. 0.000 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33



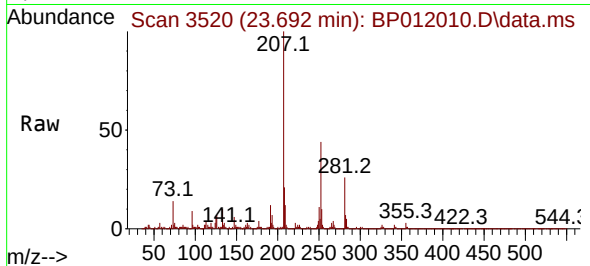
Tgt Ion:252 Resp: 63643
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 14.6 9.2 13.8#





#93
Benzo(a)pyrene
Concen: 2.998 ng/ul
RT: 23.692 min Scan# 3520
Delta R.T. 0.006 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33

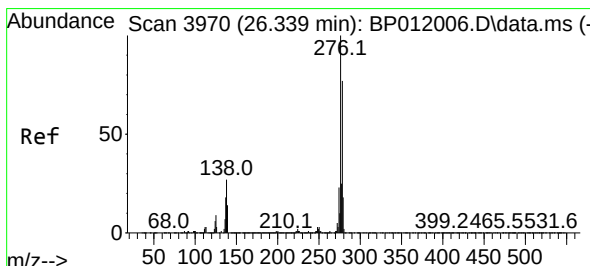
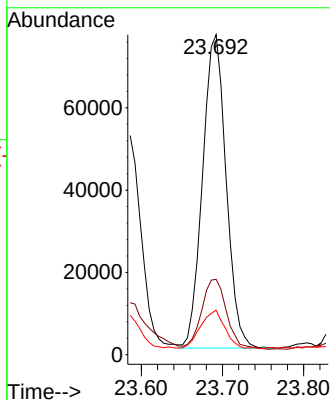
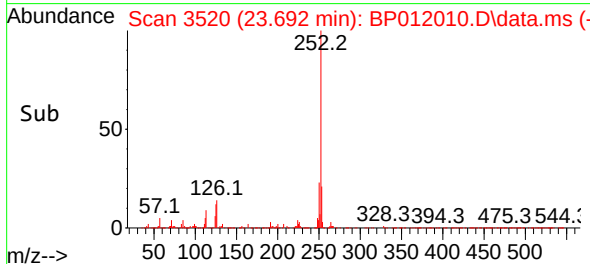
Instrument :
BNA_P
ClientSampleId :
E10011DL



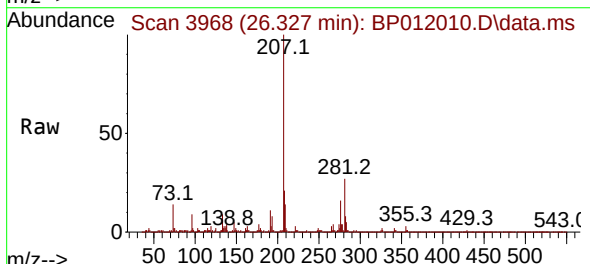
Tgt Ion:252 Resp: 153559
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 13.9 9.8 14.8

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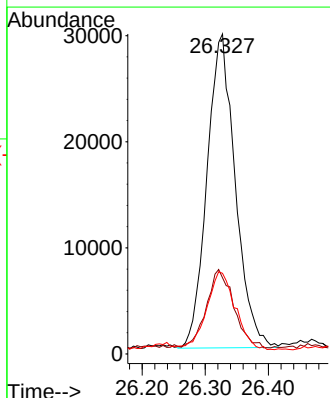
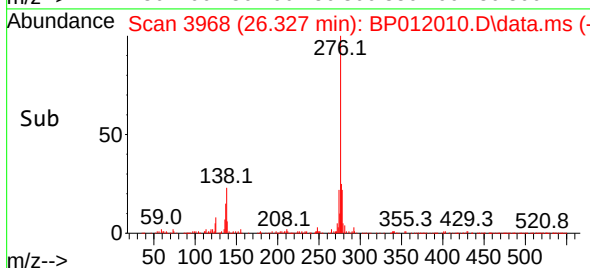
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022

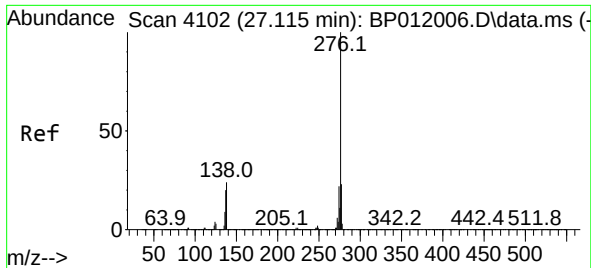


#94
Indeno(1,2,3-cd)pyrene
Concen: 1.412 ng/ul
RT: 26.327 min Scan# 3968
Delta R.T. 0.006 min
Lab File: BP012010.D
Acq: 07 Oct 2022 15:33



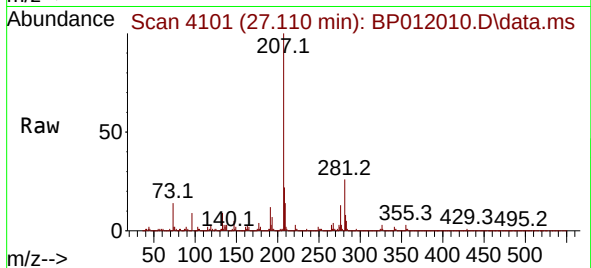
Tgt Ion:276 Resp: 92037
Ion Ratio Lower Upper
276 100
138 23.8 21.4 32.0
277 25.2 19.9 29.9





#96
 Benzo(g,h,i)perylene
 Concen: 1.591 ng/ul
 RT: 27.110 min Scan# 4101
 Delta R.T. 0.012 min
 Lab File: BP012010.D
 Acq: 07 Oct 2022 15:33

Instrument :
 BNA_P
 ClientSampleId :
 E10011DL



Tgt Ion: 276 Resp: 9194

Ion	Ratio	Lower	Upper
276	100		
138	21.5	19.8	29.6
277	24.4	18.6	27.8

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

