

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101122\
 Data File : BP012101.D
 Acq On : 13 Oct 2022 03:16
 Operator : CG/JU
 Sample : N4923-02DL2 50X
 Misc :
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10008DL2

Quant Time: Oct 13 04:00:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP101122.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 12 23:03:21 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2022
 Supervised By :mohammad ahmed 10/14/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	284565	20.000	ng/u1	0.00
20) Naphthalene-d8	10.657	136	1151474	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.498	164	606667	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.257	188	1094746	20.000	ng/u1	0.00
79) Chrysene-d12	21.345	240	1221034	20.000	ng/u1	0.00
88) Perylene-d12	23.762	264	1371320	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	0.000	96	0d	0.000	ng/uL	
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	7.022	99	2978	0.130	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.187	67	7342	0.565	ng/u1	0.00
11) 2-Chlorophenol-d4	7.387	132	7132	0.393	ng/u1	0.00
15) 4-Methylphenol-d8	8.569	113	4855	0.276	ng/u1	0.00
21) Nitrobenzene-d5	9.022	128	4372	0.538	ng/u1	0.00
24) 2-Nitrophenol-d4	9.745	143	3412	0.414	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.286	165	6841	0.428	ng/u1	0.00
31) 4-Chloroaniline-d4	10.845	131	14965m	0.635	ng/u1	0.04
46) Dimethylphthalate-d6	13.910	166	24454	0.636	ng/u1	0.00
49) Acenaphthylene-d8	14.186	160	26416	0.556	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.492	176	22981	0.661	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.616	200	1318	0.228	ng/u1	0.00
73) Anthracene-d10	17.357	188	31878	0.671	ng/u1	0.00
81) Pyrene-d10	19.592	212	38221	0.611	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.603	264	42003	0.630	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.045	94	155171	6.458	ng/u1	98
13) 2-Methylphenol	8.298	108	85748	4.785	ng/u1	95
18) 4-Methylphenol	8.634	108	262640	13.598	ng/u1	95
26) 2,4-Dimethylphenol	9.834	107	99237m	5.260	ng/u1	
30) Naphthalene	10.710	128	2894585	47.571	ng/u1	99
36) 2-Methylnaphthalene	12.316	142	436056	11.129	ng/u1	99
37) 1-Methylnaphthalene	12.539	142	282186	7.192	ng/u1	99
43) 1,1'-Biphenyl	13.327	154	78210	1.708	ng/u1	99
50) Acenaphthylene	14.222	152	463592	8.624	ng/u1	99
52) Acenaphthene	14.563	153	51168	1.337	ng/u1	96
56) Dibenzofuran	14.898	168	246941	4.774	ng/u1	100
61) Fluorene	15.551	166	278647	6.863	ng/u1	99
72) Phenanthrene	17.298	178	1061505	17.830	ng/u1	99
74) Anthracene	17.392	178	297503	5.050	ng/u1	99
77) Carbazole	17.668	167	130459	2.483	ng/u1	98
80) Fluoranthene	19.268	202	655029	8.546	ng/u1	99
82) Pyrene	19.621	202	568705	7.011	ng/u1	99
85) Benzo(a)anthracene	21.333	228	315854	4.110	ng/u1	96
87) Chrysene	21.380	228	259430m	3.507	ng/u1	
90) Benzo(b)fluoranthene	23.027	252	255588	2.944	ng/u1#	94
91) Benzo(k)fluoranthene	23.068	252	95319m	1.116	ng/u1	
93) Benzo(a)pyrene	23.650	252	215729	2.786	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.268	276	105938	1.082	ng/u1	97
96) Benzo(g,h,i)perylene	27.044	276	91756	1.039	ng/u1	98

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

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

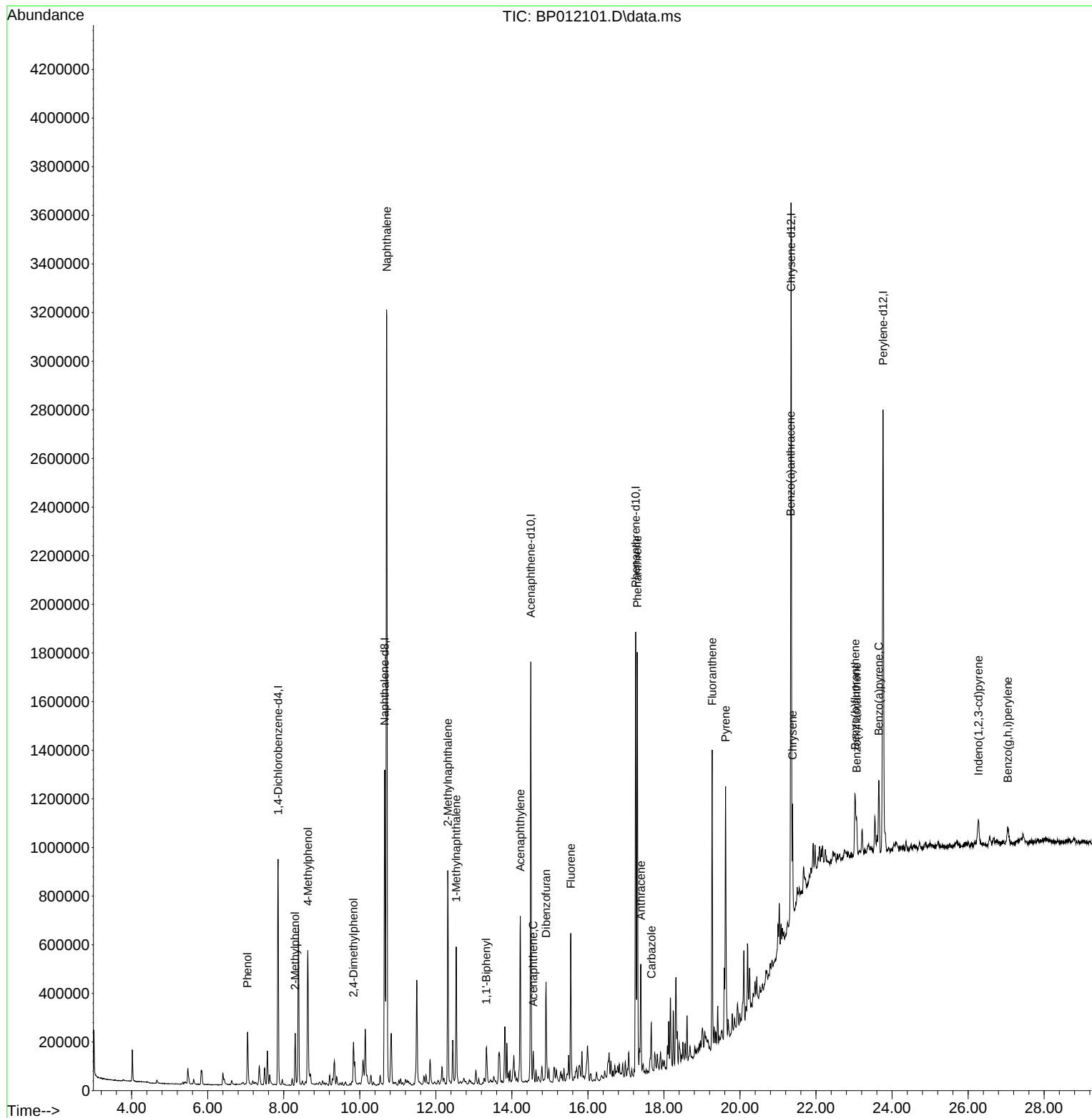
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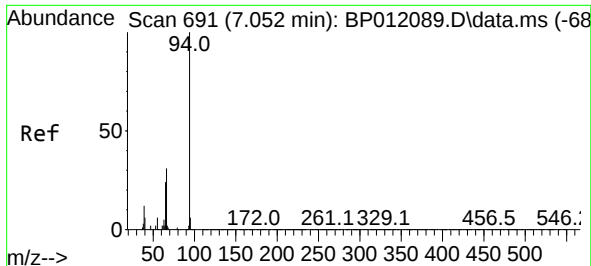
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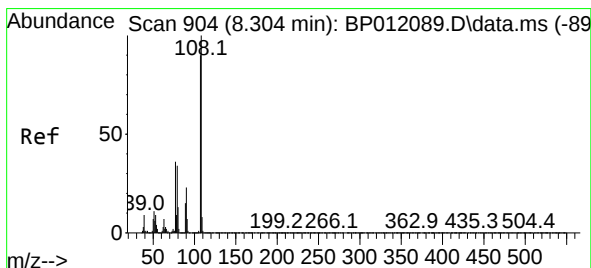
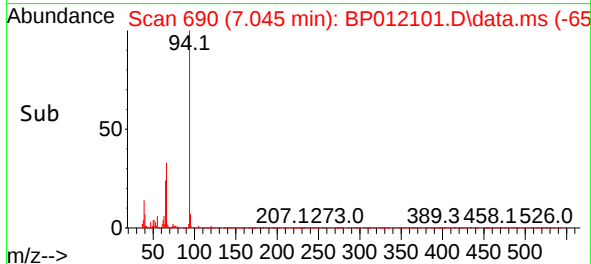
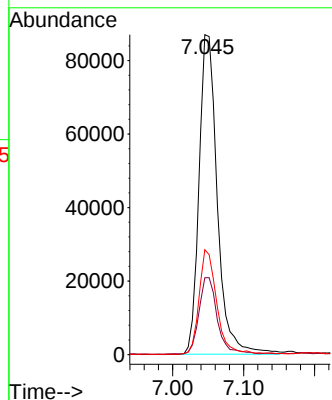
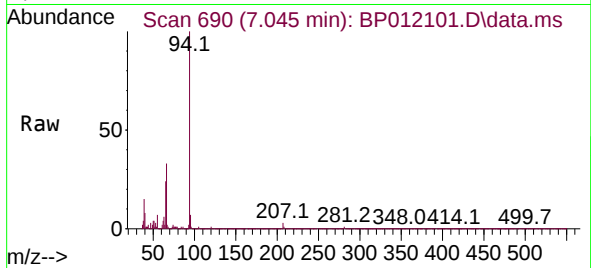
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Phenol
Concen: 6.458 ng/ul
RT: 7.045 min Scan# 691
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Instrument :
BNA_P
ClientSampleId :
E10008DL2

Tgt Ion: 94 Resp: 15517
Ion Ratio Lower Upper
94 100
65 24.0 19.4 29.0
66 32.8 24.6 37.0

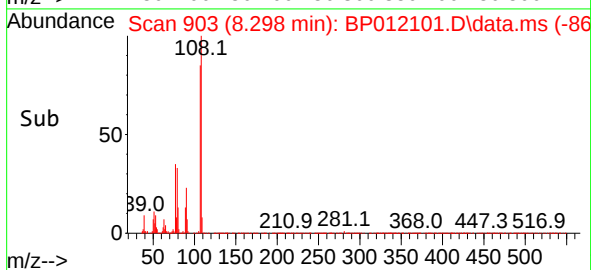
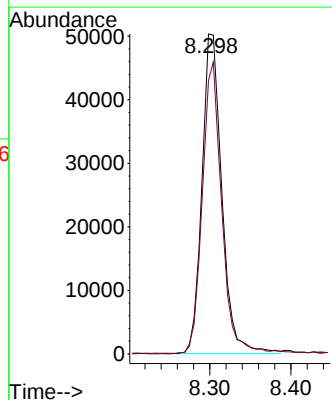
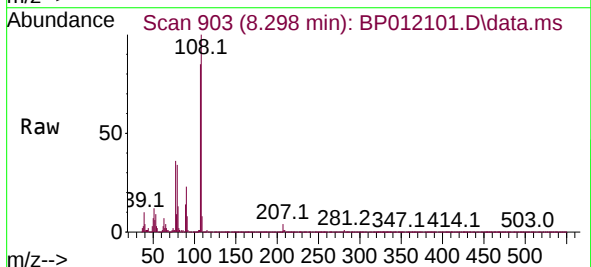
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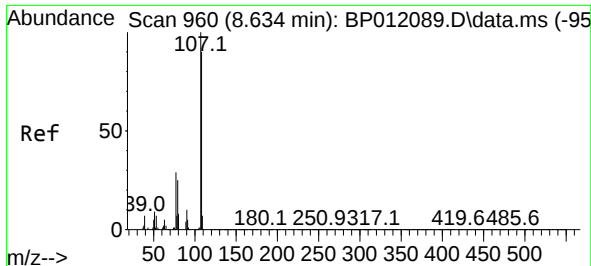
Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#13
2-Methylphenol
Concen: 4.785 ng/ul
RT: 8.298 min Scan# 903
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Tgt Ion:108 Resp: 85748
Ion Ratio Lower Upper
108 100
107 85.5 71.9 107.9





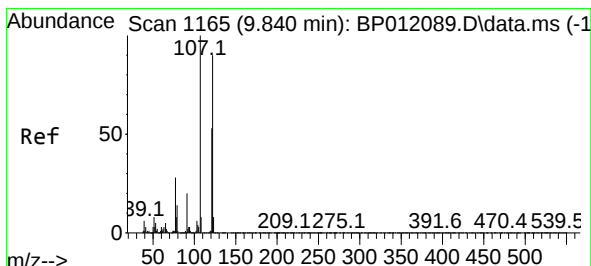
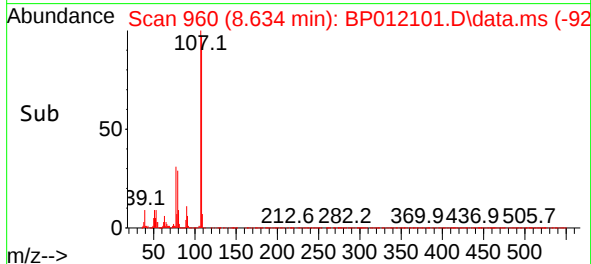
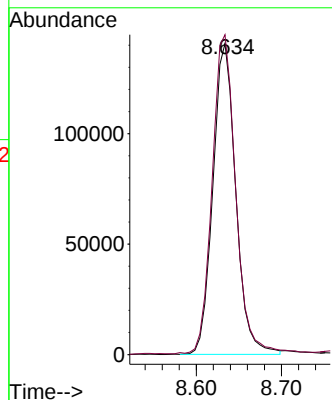
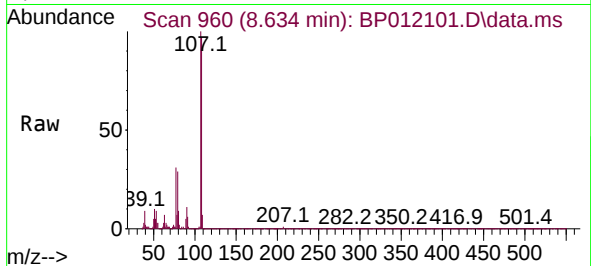
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4-Methylphenol
Concen: 13.598 ng/ul
RT: 8.634 min Scan# 960
Delta R.T. 0.005 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Instrument :
BNA_P
ClientSampleId :
E10008DL2

Tgt Ion:108 Resp: 262640
Ion Ratio Lower Upper
108 100
107 102.9 86.3 129.5

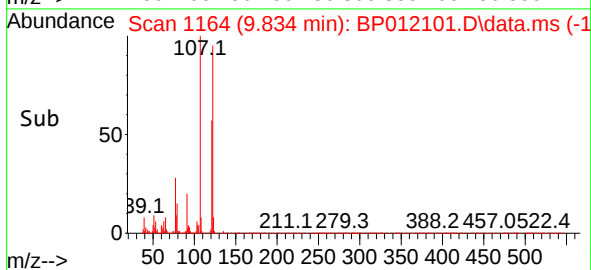
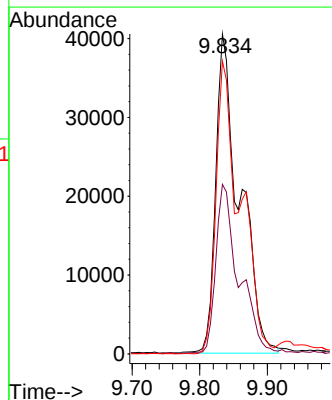
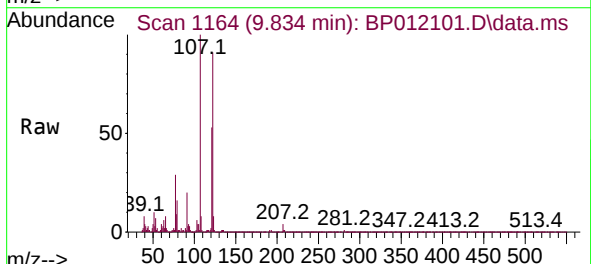
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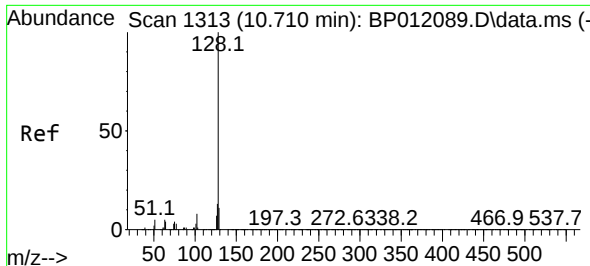
Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#26
2,4-Dimethylphenol
Concen: 5.260 ng/ul m
RT: 9.834 min Scan# 1164
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

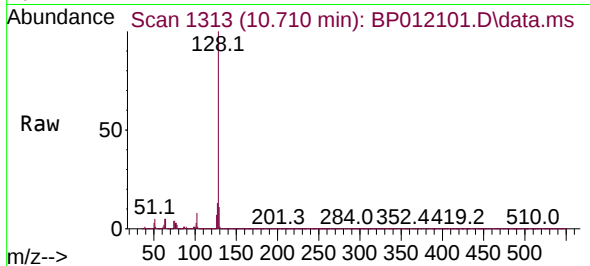
Tgt Ion:107 Resp: 99237
Ion Ratio Lower Upper
107 100
121 53.0 43.0 64.4
122 91.5 71.4 107.2





#30
Naphthalene
Concen: 47.571 ng/ul
RT: 10.710 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

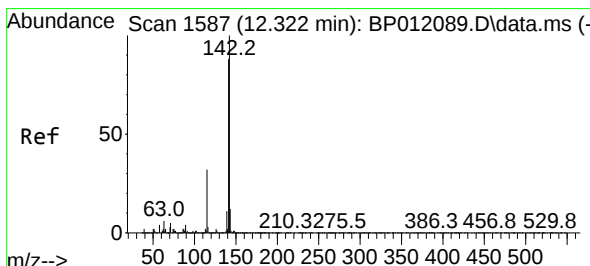
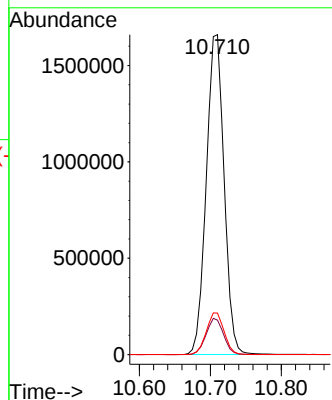
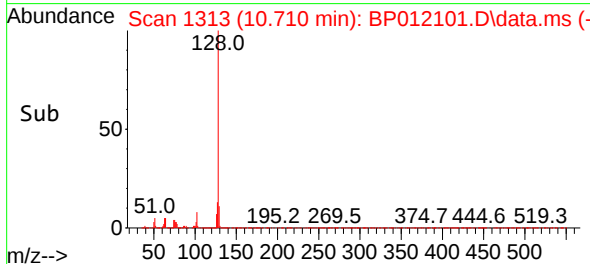
Instrument :
BNA_P
ClientSampleId :
E10008DL2



Tgt Ion:128 Resp: 2894585
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 13.0 10.2 15.4

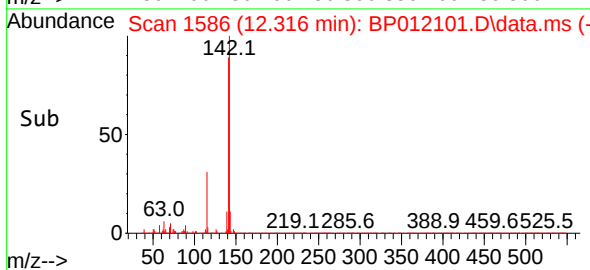
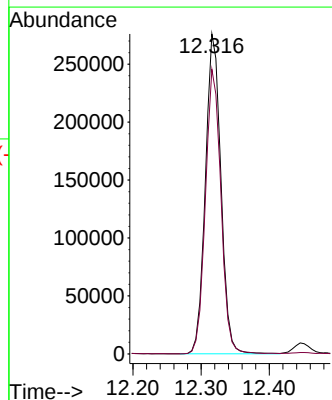
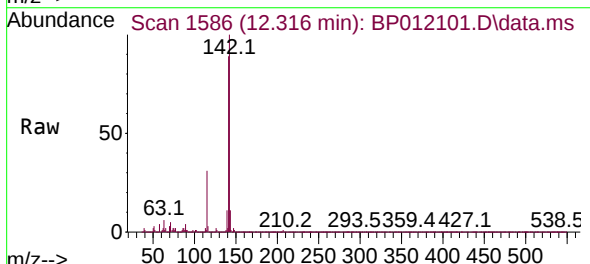
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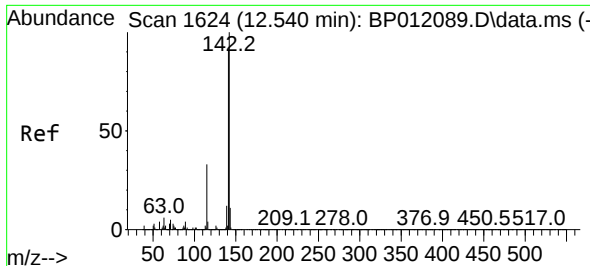
Reviewed By :Jagrut Upadhyay 10/13/2022
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#36
2-Methylnaphthalene
Concen: 11.129 ng/ul
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

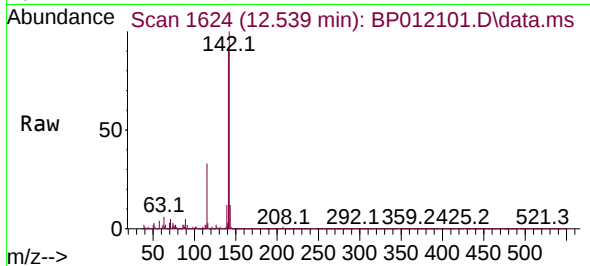
Tgt Ion:142 Resp: 436056
Ion Ratio Lower Upper
142 100
141 88.9 70.7 106.1





#37
1-Methylnaphthalene
Concen: 7.192 ng/ul
RT: 12.539 min Scan# 1624
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

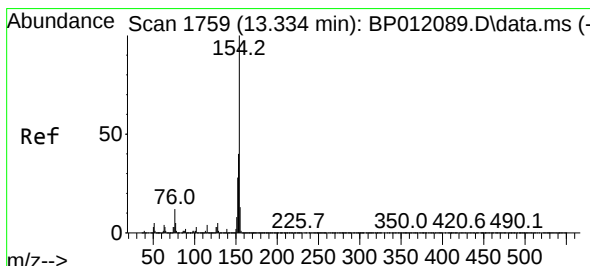
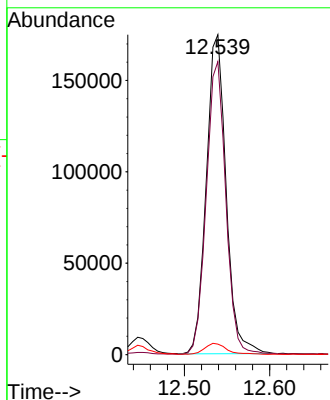
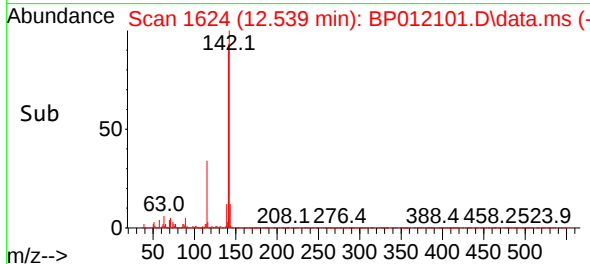
Instrument :
BNA_P
ClientSampleId :
E10008DL2



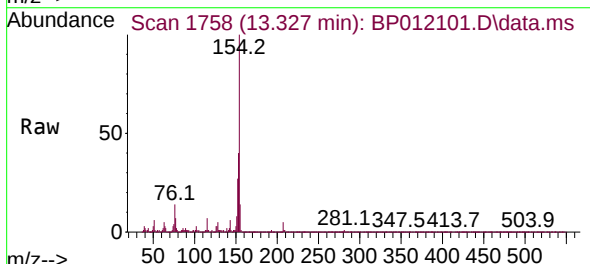
Tgt Ion:142 Resp: 282186
Ion Ratio Lower Upper
142 100
141 91.6 72.9 109.3
116 3.3 2.8 4.2

Manual Integrations
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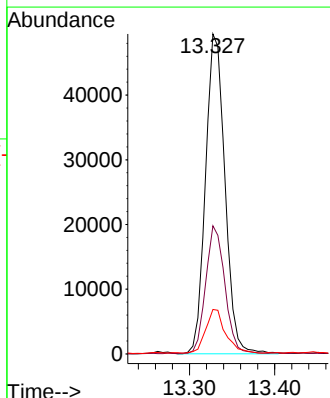
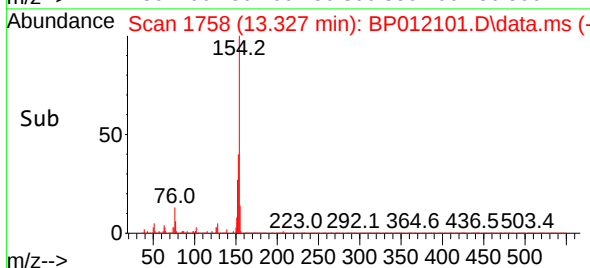
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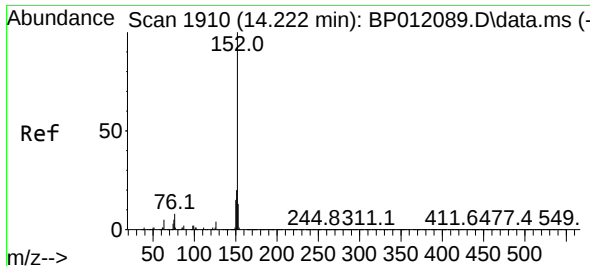


#43
1,1'-Biphenyl
Concen: 1.708 ng/ul
RT: 13.327 min Scan# 1758
Delta R.T. -0.006 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16



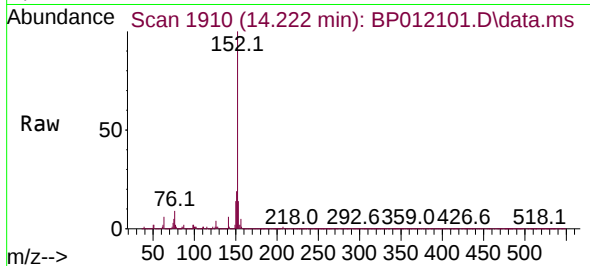
Tgt Ion:154 Resp: 78210
Ion Ratio Lower Upper
154 100
153 40.0 32.2 48.2
76 13.9 10.3 15.5





#50
Acenaphthylene
Concen: 8.624 ng/ul
RT: 14.222 min Scan# 1910
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

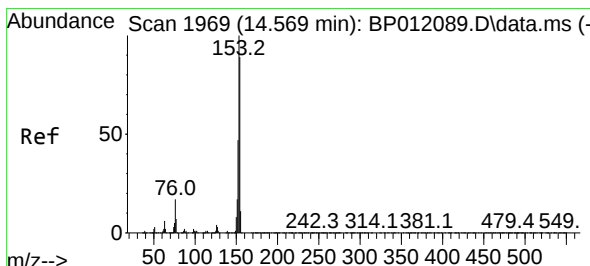
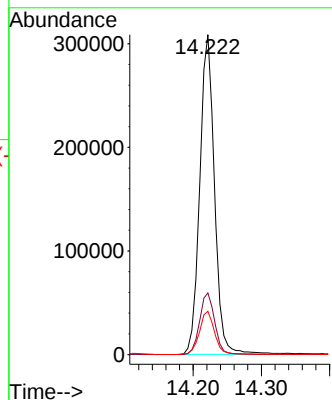
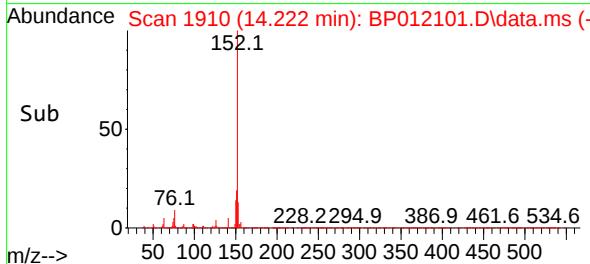
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Tgt Ion:152 Resp: 463592
Ion Ratio Lower Upper
152 100
151 19.3 15.7 23.5
153 13.5 10.4 15.6

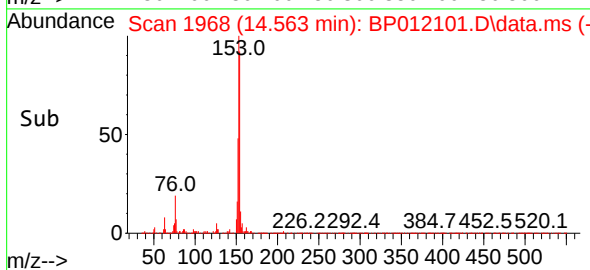
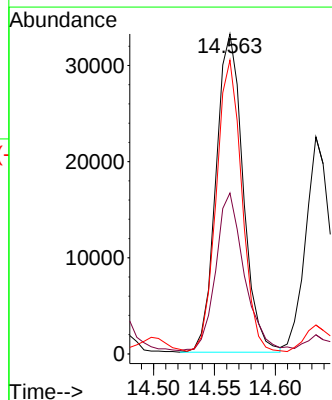
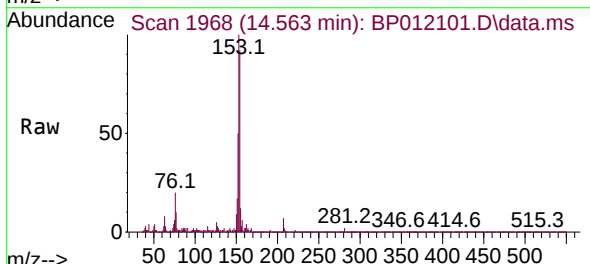
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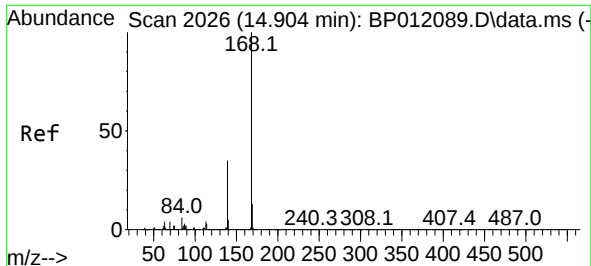
Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#52
Acenaphthene
Concen: 1.337 ng/ul
RT: 14.563 min Scan# 1968
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Tgt Ion:153 Resp: 51168
Ion Ratio Lower Upper
153 100
152 50.3 38.2 57.2
154 91.8 70.6 105.8





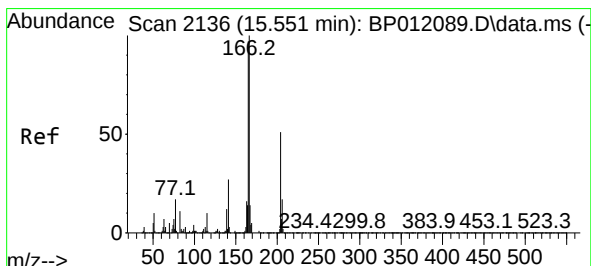
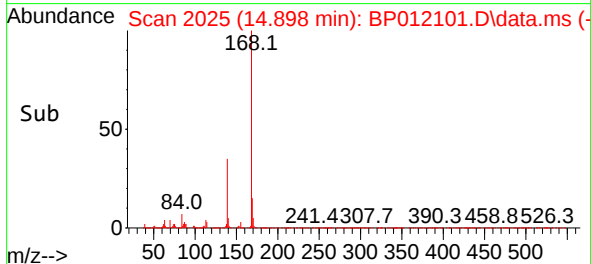
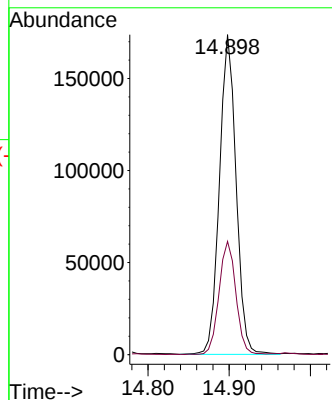
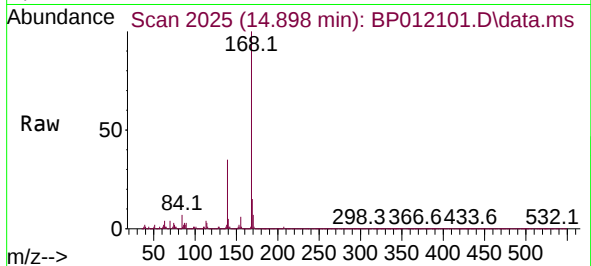
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Dibenzofuran
Concen: 4.774 ng/ul
RT: 14.898 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BP012101.D
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Instrument :
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ClientSampleId :
E10008DL2

Tgt Ion:168 Resp: 24694
Ion Ratio Lower Upper
168 100
139 35.4 28.2 42.4

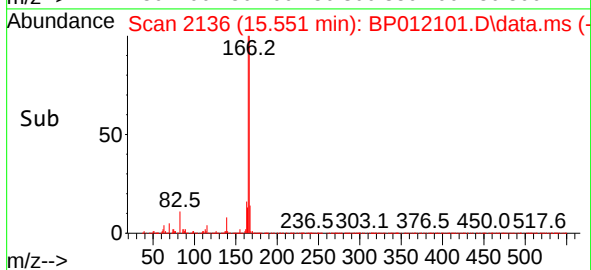
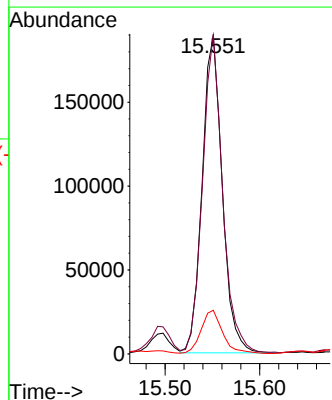
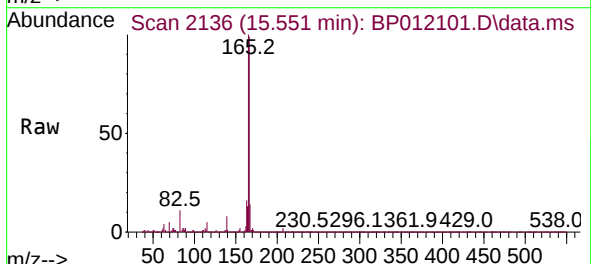
Manual Integrations
APPROVED

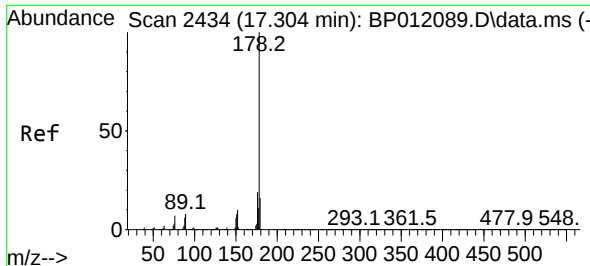
Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#61
Fluorene
Concen: 6.863 ng/ul
RT: 15.551 min Scan# 2136
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

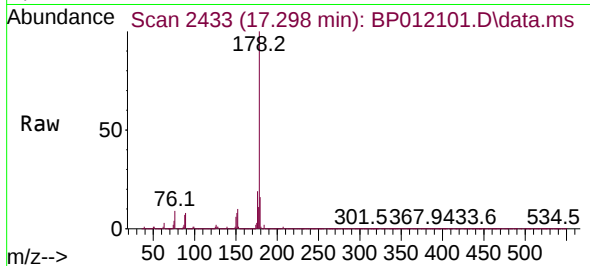
Tgt Ion:166 Resp: 278647
Ion Ratio Lower Upper
166 100
165 100.5 79.5 119.3
167 13.7 10.9 16.3





#72
Phenanthrene
Concen: 17.830 ng/ul
RT: 17.298 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

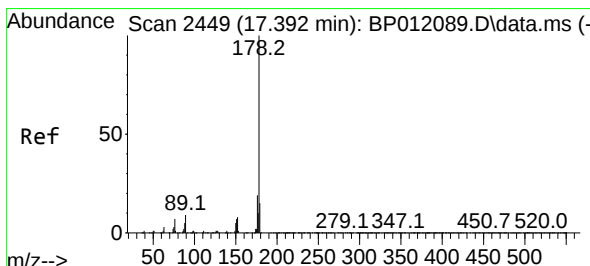
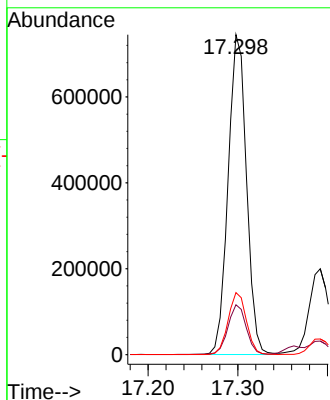
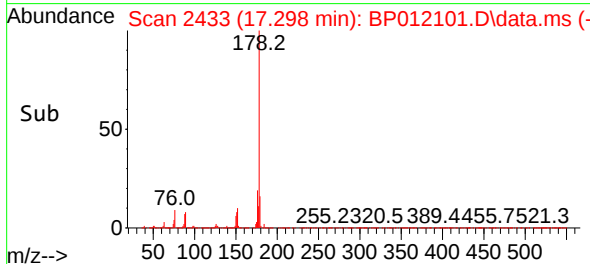
Instrument :
BNA_P
ClientSampleId :
E10008DL2



Tgt Ion:178 Resp: 1061505
Ion Ratio Lower Upper
178 100
179 15.6 12.2 18.4
176 19.4 15.8 23.6

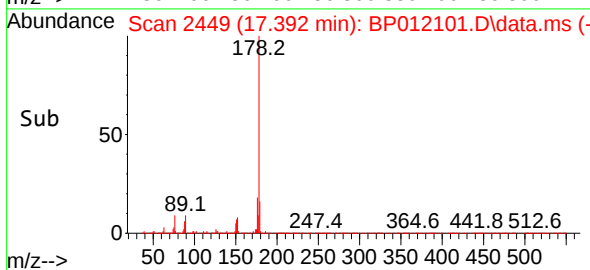
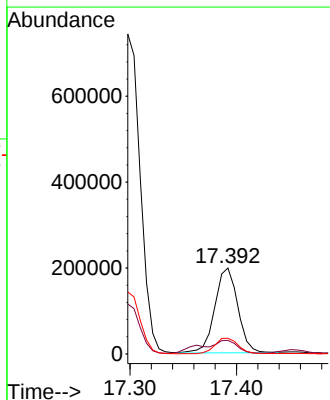
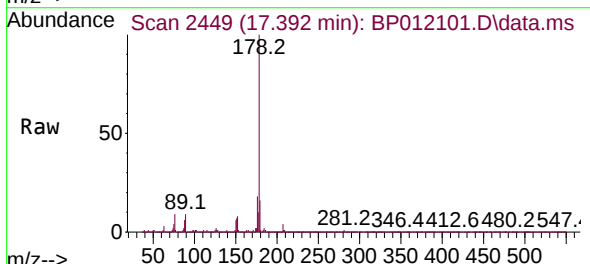
Manual Integrations
APPROVED

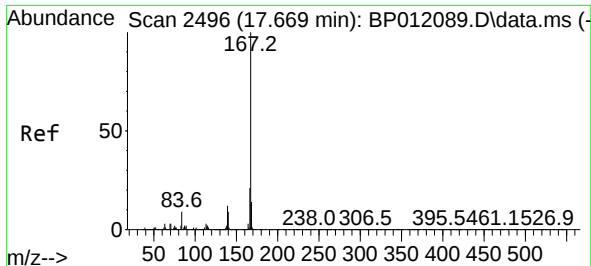
Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#74
Anthracene
Concen: 5.050 ng/ul
RT: 17.392 min Scan# 2449
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

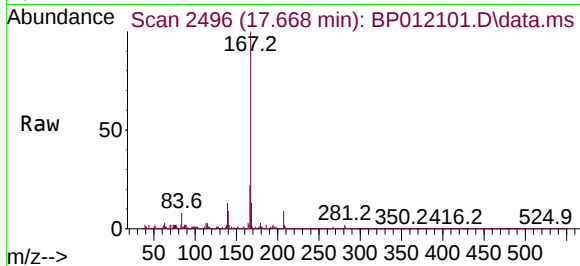
Tgt Ion:178 Resp: 297503
Ion Ratio Lower Upper
178 100
179 15.8 12.2 18.4
176 18.2 14.8 22.2





#77
 Carbazole
 Concen: 2.483 ng/ul
 RT: 17.668 min Scan# 2496
 Delta R.T. -0.000 min
 Lab File: BP012101.D
 Acq: 13 Oct 2022 03:16

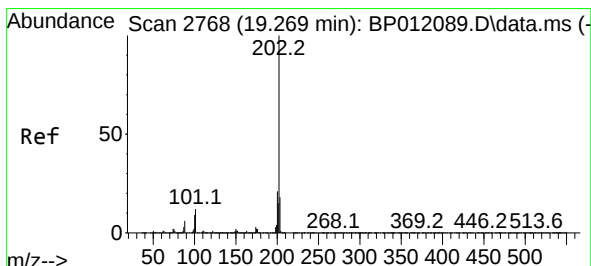
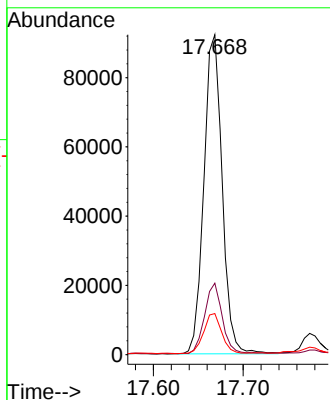
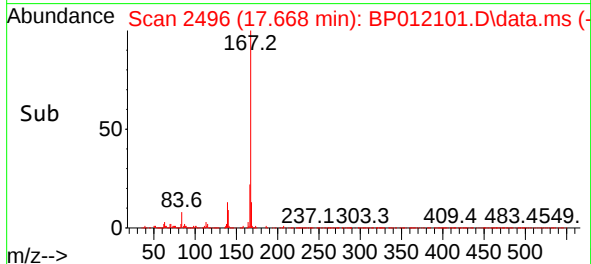
Instrument :
 BNA_P
 ClientSampleId :
 E10008DL2



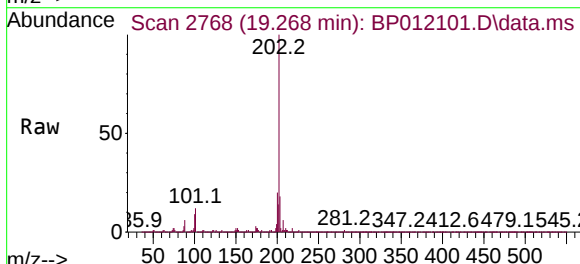
Tgt Ion:167 Resp: 130459
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.0 25.6
 139 12.8 10.1 15.1

Manual Integrations
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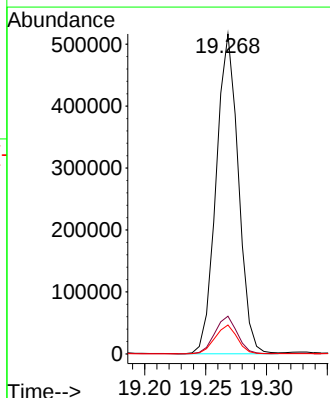
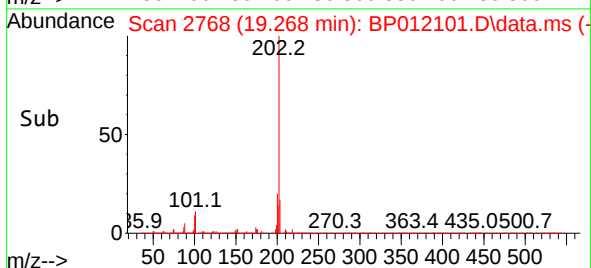
Reviewed By :Jagrut Upadhyay 10/13/2022
 Supervised By :mohammad ahmed 10/14/2022

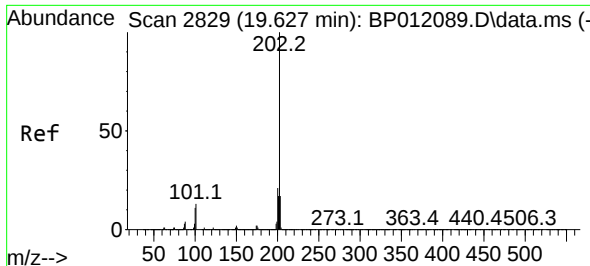


#80
 Fluoranthene
 Concen: 8.546 ng/ul
 RT: 19.268 min Scan# 2768
 Delta R.T. -0.000 min
 Lab File: BP012101.D
 Acq: 13 Oct 2022 03:16



Tgt Ion:202 Resp: 655029
 Ion Ratio Lower Upper
 202 100
 101 11.8 9.0 13.6
 100 9.0 7.0 10.6





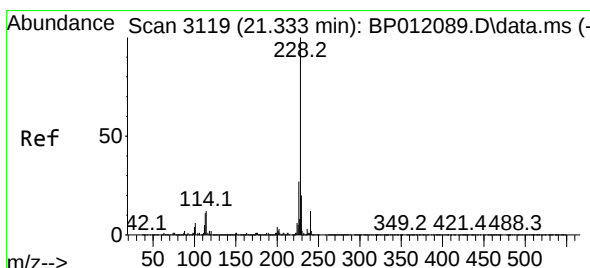
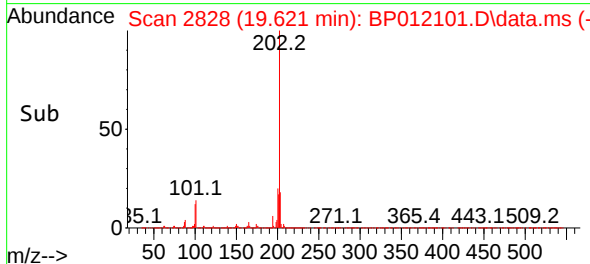
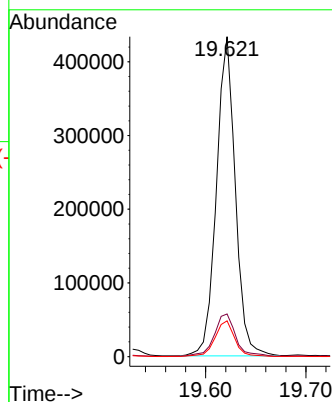
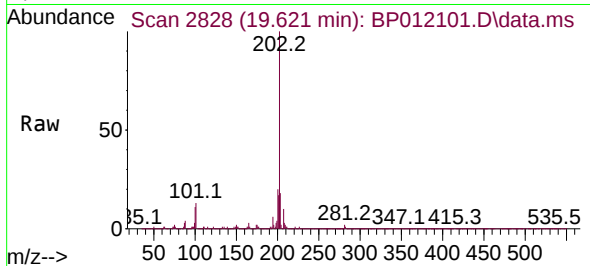
#82
Pyrene
Concen: 7.011 ng/ul
RT: 19.621 min Scan# 2829
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Instrument :
BNA_P
ClientSampleId :
E10008DL2

Tgt Ion:202 Resp: 568705
Ion Ratio Lower Upper
202 100
101 13.3 10.4 15.6
100 11.2 8.5 12.7

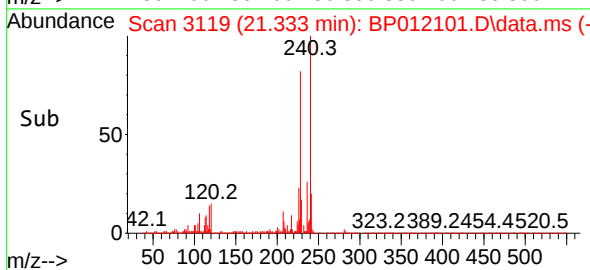
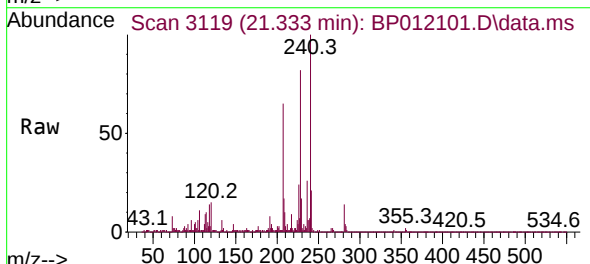
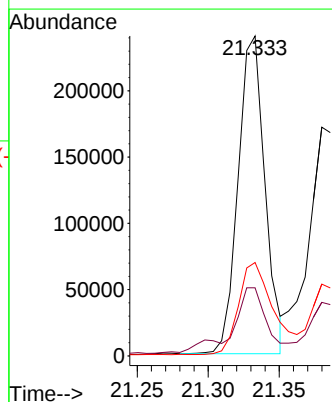
Manual Integrations
APPROVED

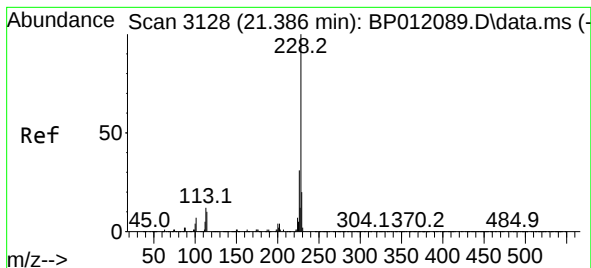
Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#85
Benzo(a)anthracene
Concen: 4.110 ng/ul
RT: 21.333 min Scan# 3119
Delta R.T. -0.000 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Tgt Ion:228 Resp: 315854
Ion Ratio Lower Upper
228 100
229 21.3 15.7 23.5
226 29.2 21.9 32.9





#87

Chrysene

Concen: 3.507 ng/ul m

RT: 21.380 min Scan# 3128

Delta R.T. -0.006 min

Lab File: BP012101.D

Acq: 13 Oct 2022 03:16

Instrument :

BNA_P

ClientSampleId :

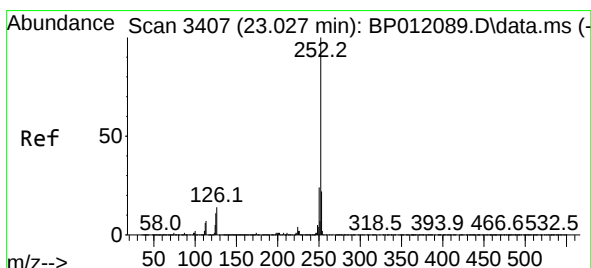
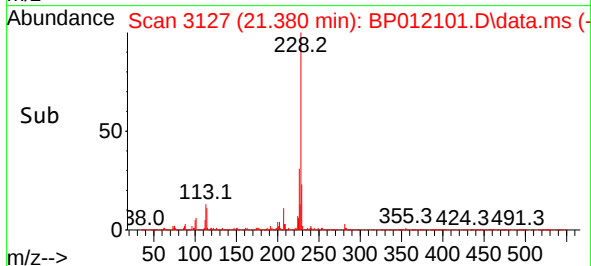
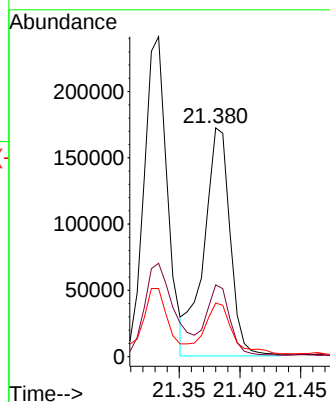
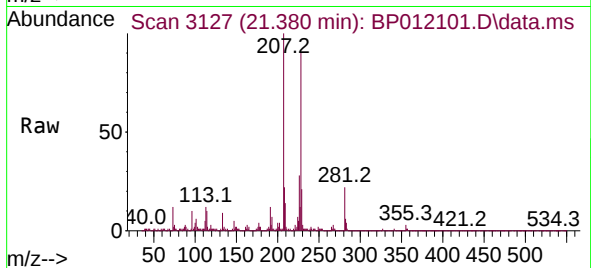
E10008DL2

Tgt Ion:	228	Resp:	259430
Ion Ratio	Lower	Upper	
228	100		
226	31.4	24.0	36.0
229	23.4	15.5	23.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#90

Benzo(b)fluoranthene

Concen: 2.944 ng/ul

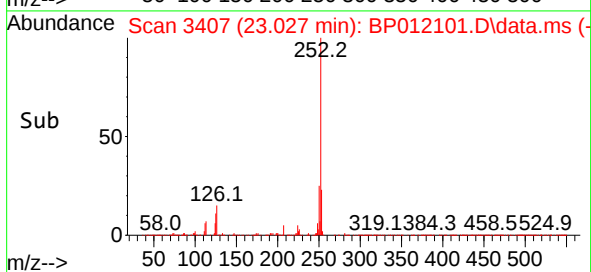
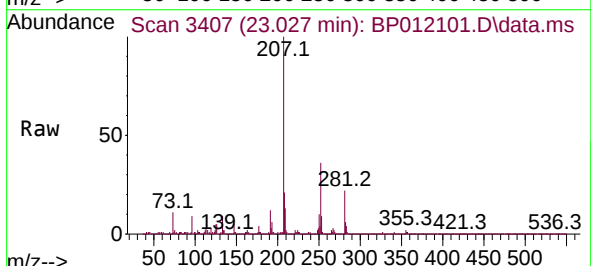
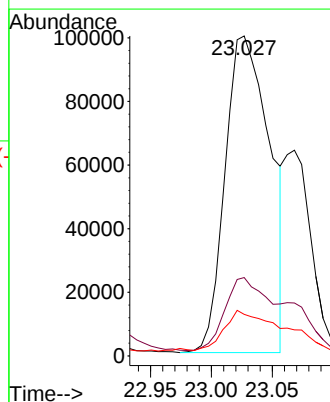
RT: 23.027 min Scan# 3407

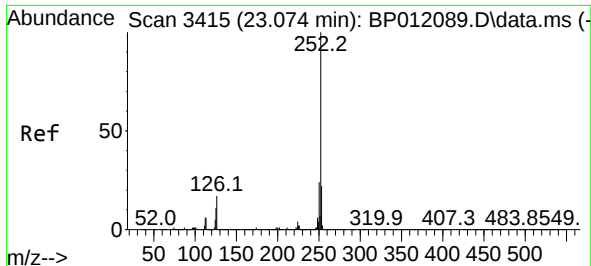
Delta R.T. -0.000 min

Lab File: BP012101.D

Acq: 13 Oct 2022 03:16

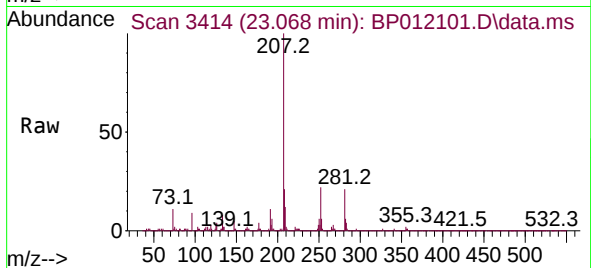
Tgt Ion:	252	Resp:	255588
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.6	26.4
125	13.0	7.8	11.8





#91
Benzo(k)fluoranthene
Concen: 1.116 ng/ul m
RT: 23.068 min Scan# 3415
Delta R.T. -0.006 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

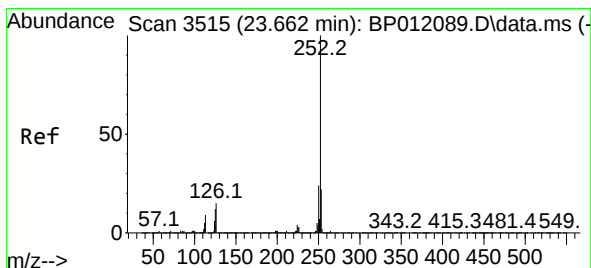
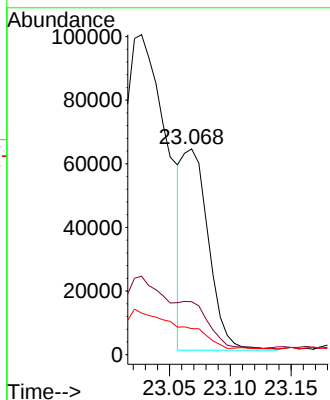
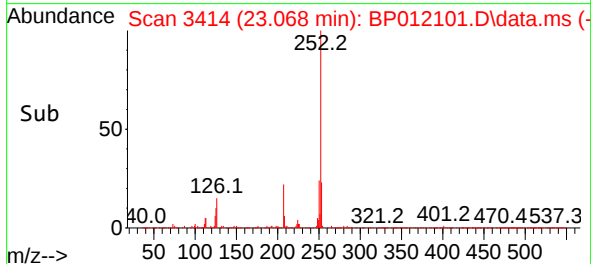
Instrument :
BNA_P
ClientSampleId :
E10008DL2



Tgt Ion:252 Resp: 95319
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 12.7 8.2 12.2

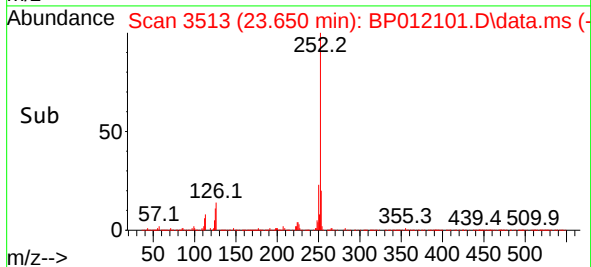
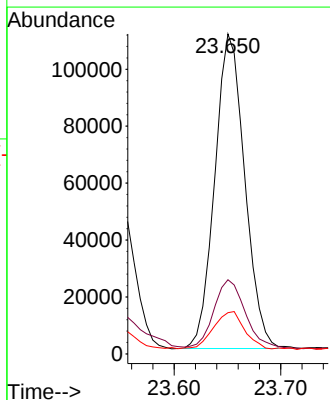
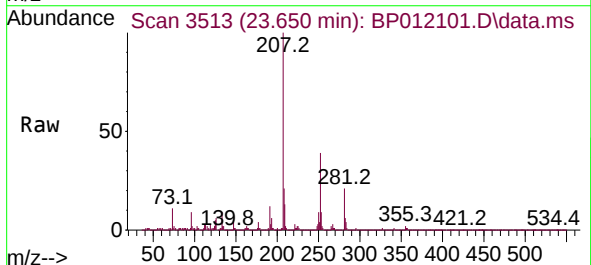
Manual Integrations
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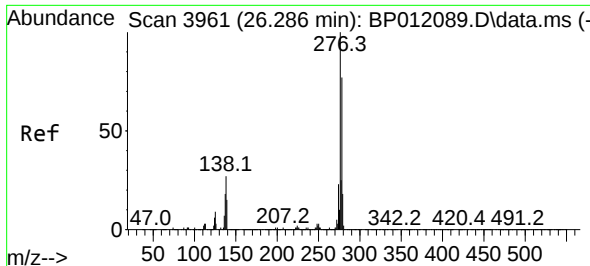
Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#93
Benzo(a)pyrene
Concen: 2.786 ng/ul
RT: 23.650 min Scan# 3513
Delta R.T. -0.006 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Tgt Ion:252 Resp: 215729
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 12.9 8.9 13.3





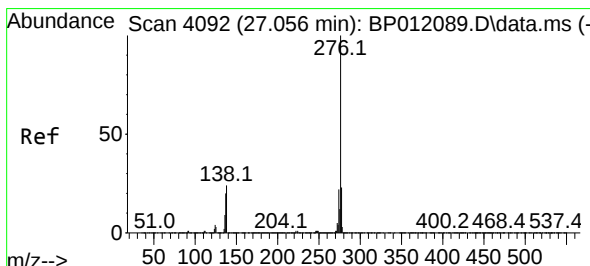
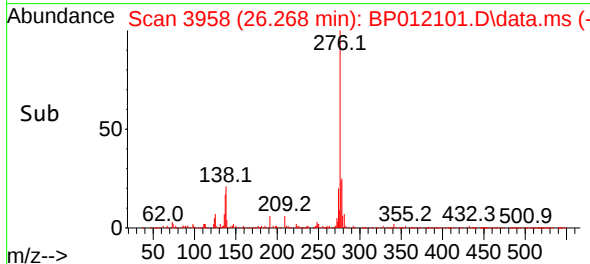
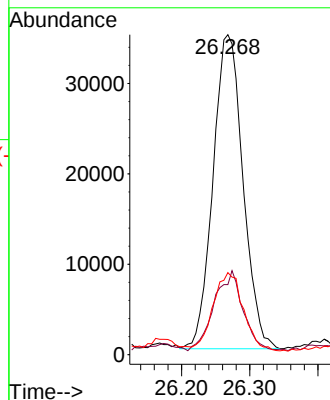
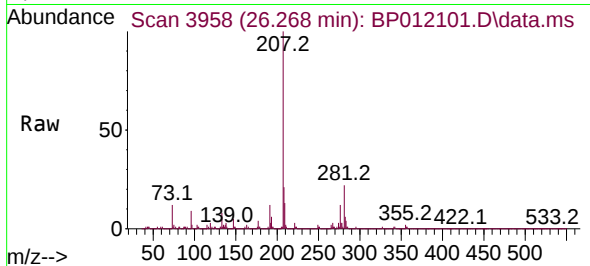
#94
Indeno(1,2,3-cd)pyrene
Concen: 1.082 ng/ul
RT: 26.268 min Scan# 3958
Delta R.T. -0.012 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Instrument :
BNA_P
ClientSampleId :
E10008DL2

Tgt Ion: 276 Resp: 105938
Ion Ratio Lower Upper
276 100
138 21.9 19.1 28.7
277 25.6 19.9 29.9

Manual Integrations
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Reviewed By :Jagrut Upadhyay 10/13/2022
Supervised By :mohammad ahmed 10/14/2022



#96
Benzo(g,h,i)perylene
Concen: 1.039 ng/ul
RT: 27.044 min Scan# 4090
Delta R.T. -0.012 min
Lab File: BP012101.D
Acq: 13 Oct 2022 03:16

Tgt Ion: 276 Resp: 91756
Ion Ratio Lower Upper
276 100
138 22.4 16.5 24.7
277 23.2 19.0 28.4

