

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP012009.D
 Acq On : 07 Oct 2022 14:57
 Operator : CG/JU
 Sample : N4923-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10007DL

Quant Time: Oct 07 23:08:29 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.875	152	149945	20.000	ng/u1	0.00
20) Naphthalene-d8	10.699	136	600653	20.000	ng/u1	0.02
38) Acenaphthene-d10	14.528	164	382979	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.286	188	801168	20.000	ng/u1	0.00
79) Chrysene-d12	21.369	240	883447	20.000	ng/u1	0.00
88) Perylene-d12	23.804	264	874695	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.299	96	2816	0.828	ng/uL	0.00
4) Pyridine-d5	3.740	84	9295	0.933	ng/u1	0.02
7) Phenol-d5	7.069	99	26874	2.076	ng/u1	0.03
9) Bis-(2-Chloroethyl)eth...	7.222	67	118106	16.460	ng/u1	0.02
11) 2-Chlorophenol-d4	7.416	132	80950	7.922	ng/u1	0.01
15) 4-Methylphenol-d8	8.628	113	50479	4.717	ng/u1	0.04
21) Nitrobenzene-d5	9.057	128	54188	11.844	ng/u1	0.02
24) 2-Nitrophenol-d4	9.775	143	51910	10.605	ng/u1	0.01
28) 2,4-Dichlorophenol-d3	10.328	165	86119	9.512	ng/u1	0.02
31) 4-Chloroaniline-d4	10.840	131	197806m	14.331	ng/u1	0.02
46) Dimethylphthalate-d6	13.940	166	300750	10.981	ng/u1	0.00
49) Acenaphthylene-d8	14.222	160	356364	11.414	ng/u1	0.00
54) 4-Nitrophenol-d4	14.728	143	87513	15.431	ng/u1	0.00
60) Fluorene-d10	15.522	176	306246	12.876	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.651	200	28781	5.935	ng/u1	0.02
73) Anthracene-d10	17.381	188	431469	11.823	ng/u1	0.00
81) Pyrene-d10	19.616	212	505874	11.307	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.645	264	518909	11.851	ng/u1	0.01
Target Compounds						
					Qvalue	
8) Phenol	7.111	94	12316695	917.360	ng/u1	95
13) 2-Methylphenol	8.358	108	7716175	729.458	ng/u1	99
18) 4-Methylphenol	8.722	108	14863290m	1275.288	ng/u1	
26) 2,4-Dimethylphenol	9.899	107	10346031m	985.139	ng/u1	
30) Naphthalene	10.769	128	22458943	696.148	ng/u1	97
36) 2-Methylnaphthalene	12.351	142	3801727	168.739	ng/u1	100
37) 1-Methylnaphthalene	12.575	142	2528874	111.861	ng/u1	98
43) 1,1'-Biphenyl	13.357	154	556909	19.660	ng/u1	99
50) Acenaphthylene	14.251	152	2273696	65.571	ng/u1	100
52) Acenaphthene	14.592	153	533163	21.794	ng/u1	99
56) Dibenzofuran	14.928	168	1596607	47.649	ng/u1	98
61) Fluorene	15.575	166	1182121	43.074	ng/u1	98
72) Phenanthrene	17.328	178	4137481	93.971	ng/u1	99
74) Anthracene	17.416	178	1422684	32.115	ng/u1	99
77) Carbazole	17.692	167	1706430	42.633	ng/u1	99
80) Fluoranthene	19.292	202	2148443	39.237	ng/u1	99
82) Pyrene	19.645	202	1730096	30.347	ng/u1	97
85) Benzo(a)anthracene	21.357	228	861153	14.906	ng/u1	95
87) Chrysene	21.410	228	669290	12.344	ng/u1	97
90) Benzo(b)fluoranthene	23.063	252	695199	12.452	ng/u1	98
91) Benzo(k)fluoranthene	23.104	252	253991m	4.724	ng/u1	
93) Benzo(a)pyrene	23.692	252	582880	11.699	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.327	276	399955	6.307	ng/u1#	93
95) Dibenzo(a,h)anthracene	26.339	278	119219	2.116	ng/u1#	87

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Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.109	276	321051	5.710	ng/ul	94

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

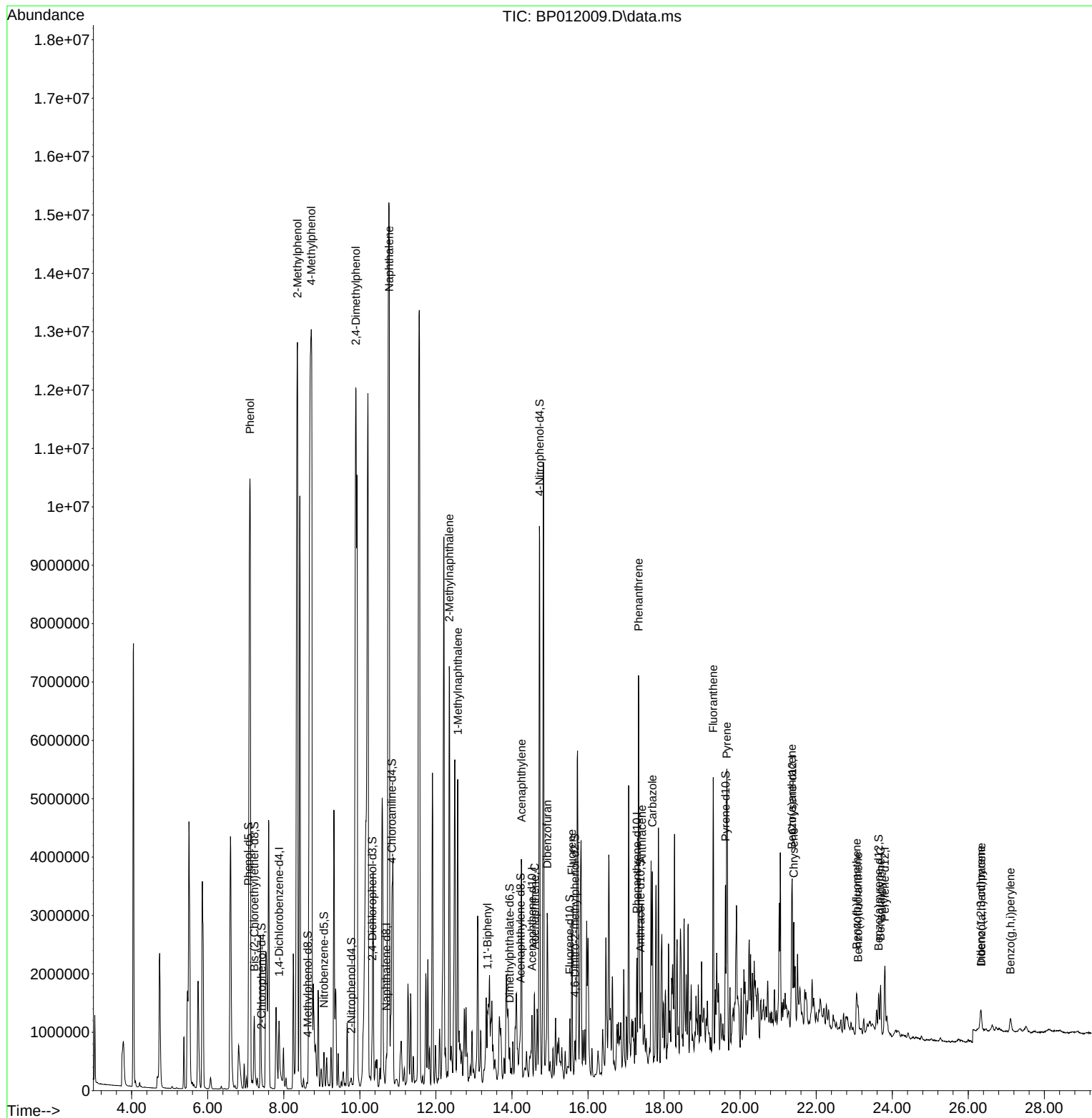
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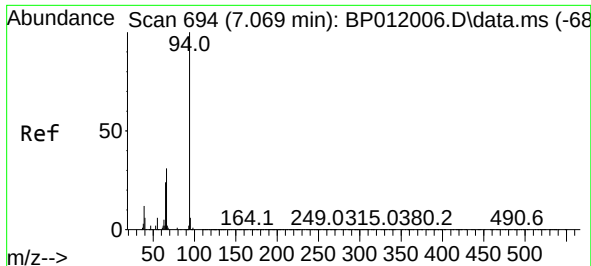
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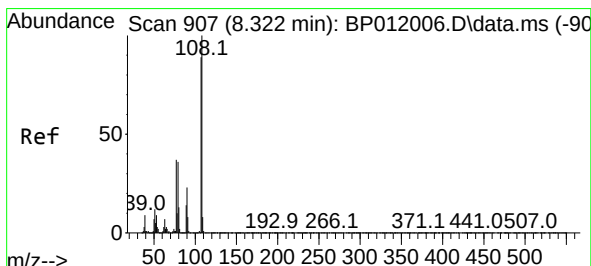
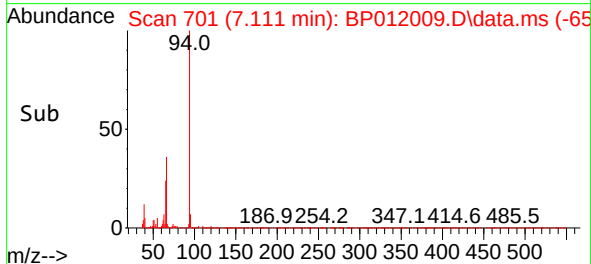
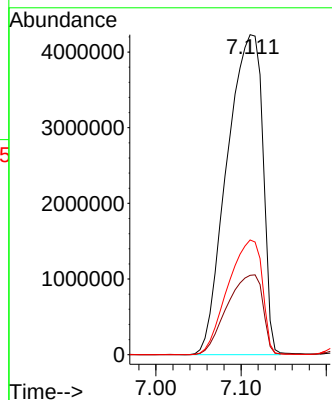
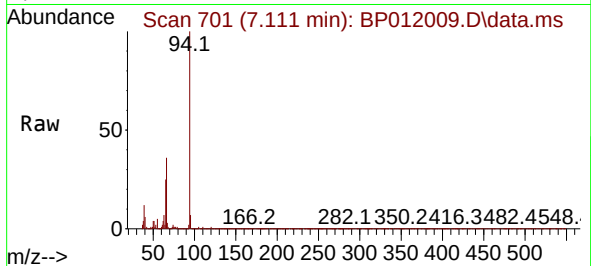
#8
Phenol
Concen: 917.360 ng/ul
RT: 7.111 min Scan# 701
Delta R.T. 0.047 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

Instrument :
BNA_P
ClientSampleId :
E10007DL

Tgt Ion: 94 Resp:1231669
Ion Ratio Lower Upper
94 100
65 24.8 19.5 29.3
66 35.8 25.0 37.4

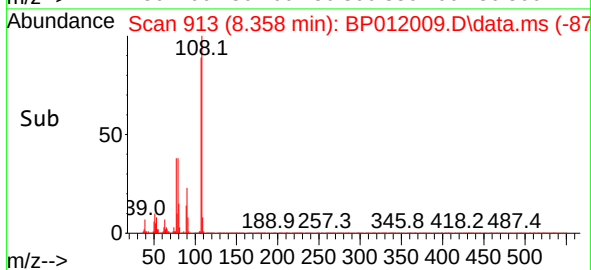
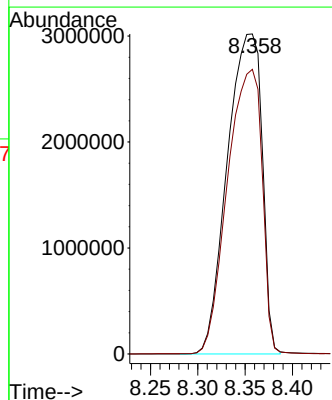
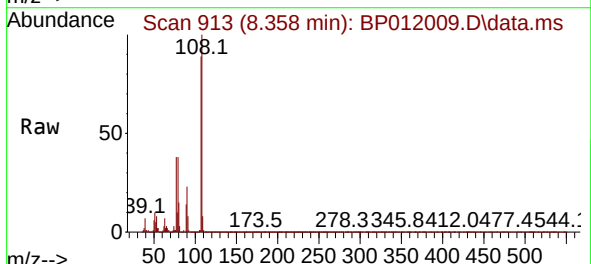
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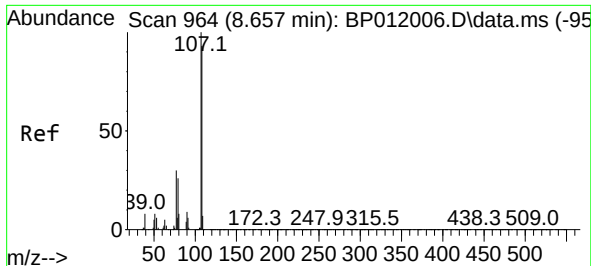
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#13
2-Methylphenol
Concen: 729.458 ng/ul
RT: 8.358 min Scan# 913
Delta R.T. 0.035 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

Tgt Ion:108 Resp: 7716175
Ion Ratio Lower Upper
108 100
107 88.9 70.2 105.2





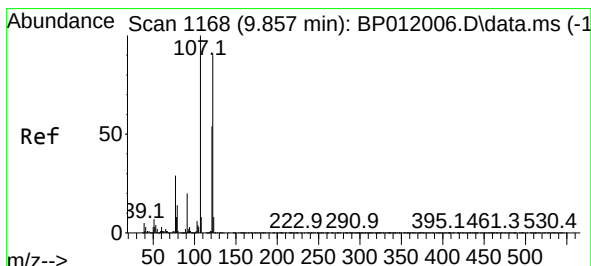
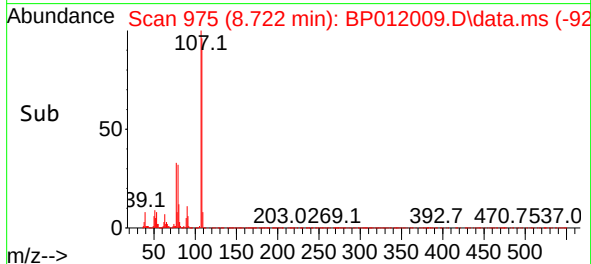
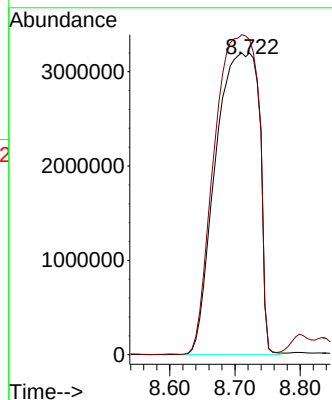
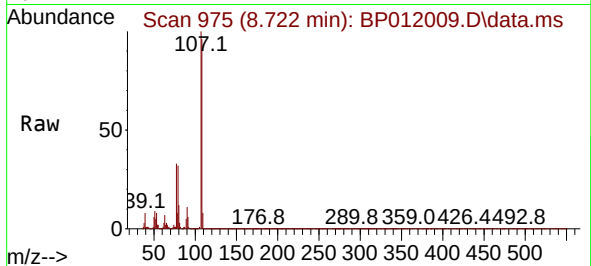
#18
4-Methylphenol
Concen: 1275.288 ng/ul m
RT: 8.722 min Scan# 91
Delta R.T. 0.071 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

Instrument :
BNA_P
ClientSampleId :
E10007DL

Tgt Ion:108 Resp:14863290
Ion Ratio Lower Upper
108 100
107 104.4 88.0 132.0

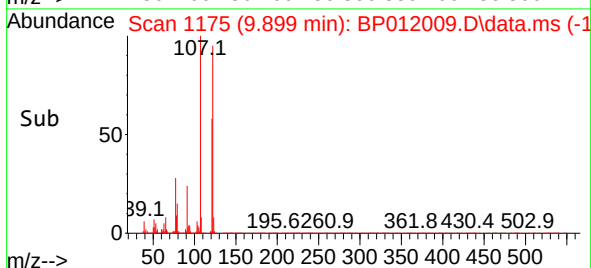
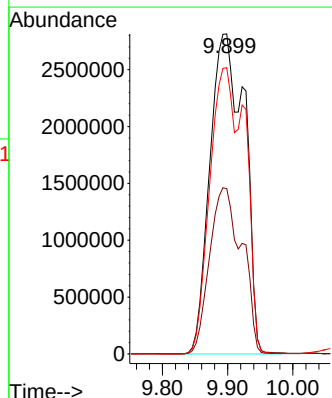
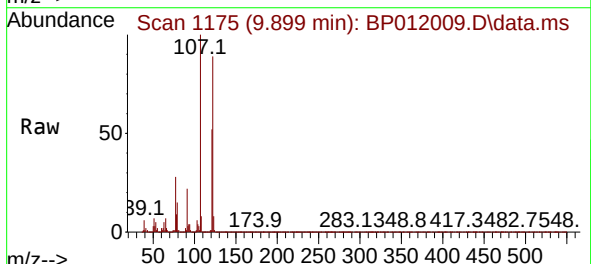
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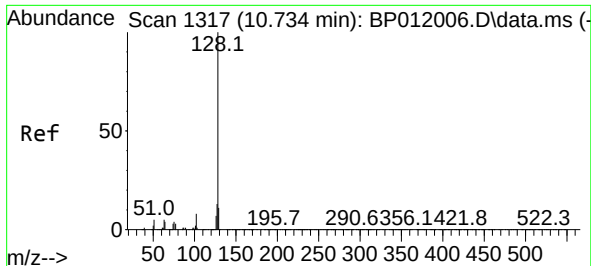
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#26
2,4-Dimethylphenol
Concen: 985.139 ng/ul m
RT: 9.899 min Scan# 1175
Delta R.T. 0.041 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

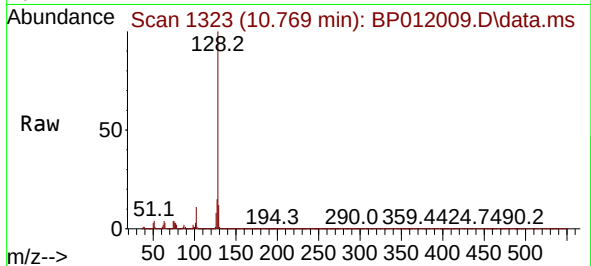
Tgt Ion:107 Resp:10346031
Ion Ratio Lower Upper
107 100
121 51.7 43.0 64.6
122 89.4 74.9 112.3





#30
Naphthalene
Concen: 696.148 ng/ul
RT: 10.769 min Scan# 1323
Delta R.T. 0.035 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

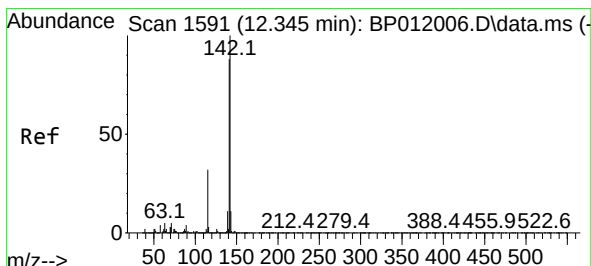
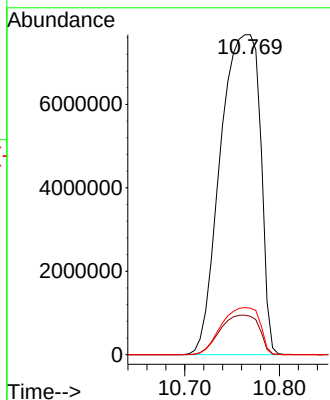
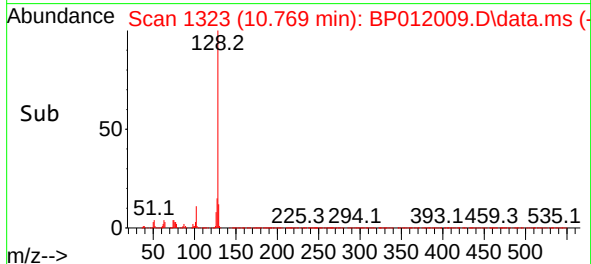
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Tgt Ion:128 Resp:2245894
Ion Ratio Lower Upper
128 100
129 12.0 8.9 13.3
127 14.6 10.5 15.7

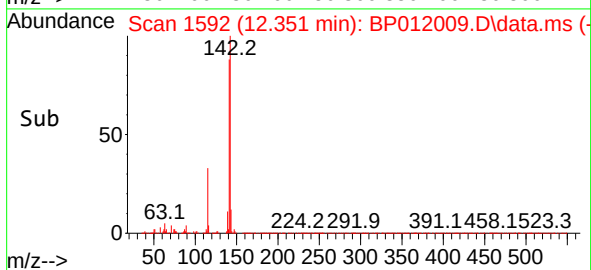
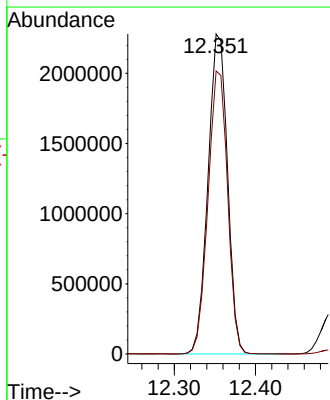
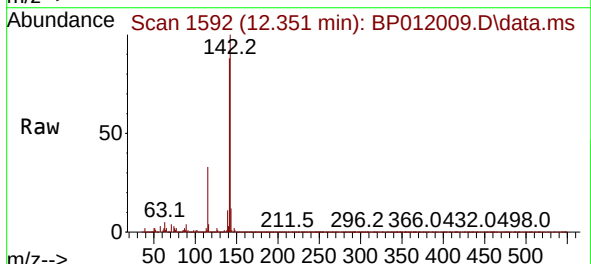
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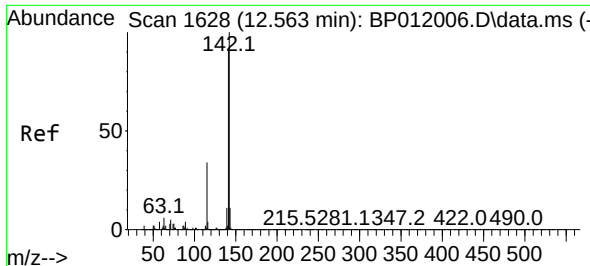
Reviewed By :Jagrut Upadhyay 10/10/2022
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#36
2-Methylnaphthalene
Concen: 168.739 ng/ul
RT: 12.351 min Scan# 1592
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

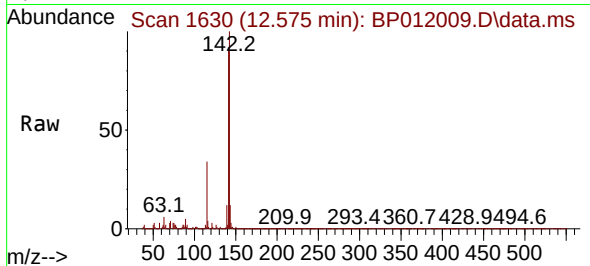
Tgt Ion:142 Resp: 3801727
Ion Ratio Lower Upper
142 100
141 88.5 70.6 106.0





#37
1-Methylnaphthalene
Concen: 111.861 ng/ul
RT: 12.575 min Scan# 1630
Delta R.T. 0.012 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

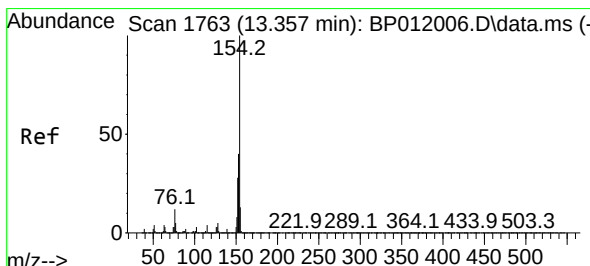
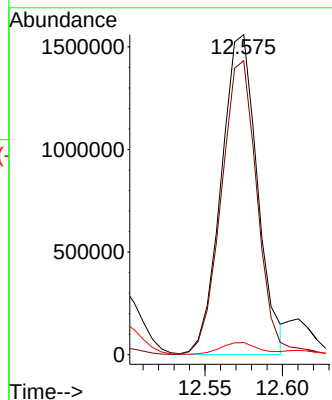
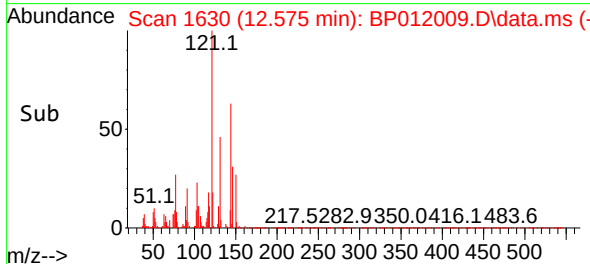
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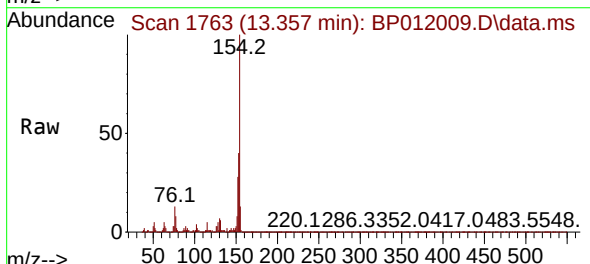
Tgt Ion:142 Resp: 2528874
Ion Ratio Lower Upper
142 100
141 91.9 74.8 112.2
116 3.8 2.9 4.3

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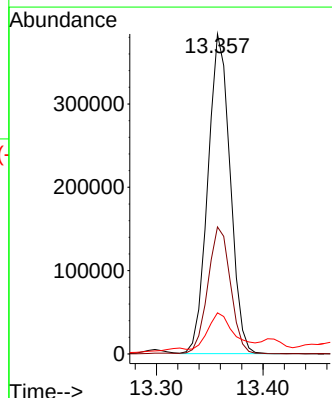
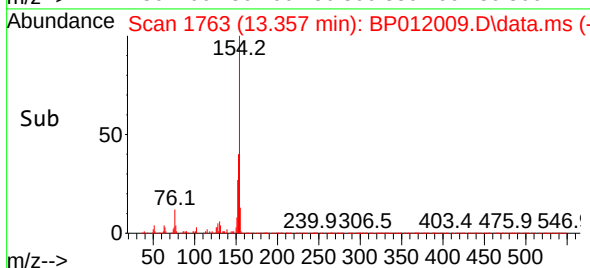
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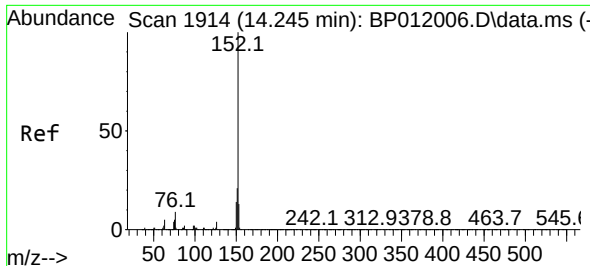


#43
1,1'-Biphenyl
Concen: 19.660 ng/ul
RT: 13.357 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BP012009.D
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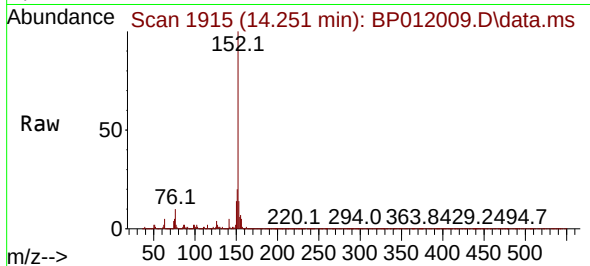
Tgt Ion:154 Resp: 556909
Ion Ratio Lower Upper
154 100
153 39.7 31.8 47.6
76 12.9 9.5 14.3





#50
Acenaphthylene
Concen: 65.571 ng/ul
RT: 14.251 min Scan# 1915
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

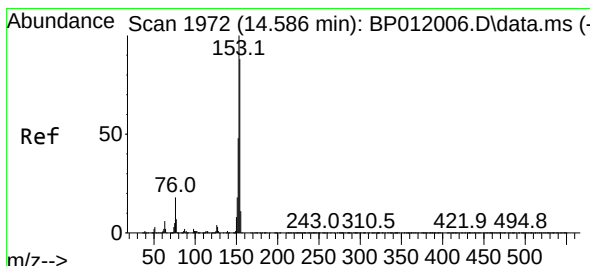
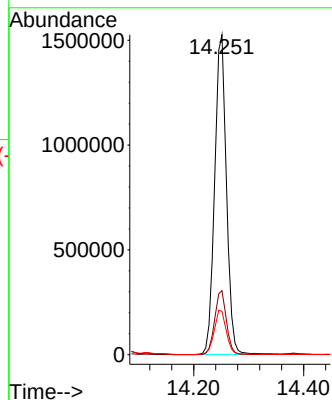
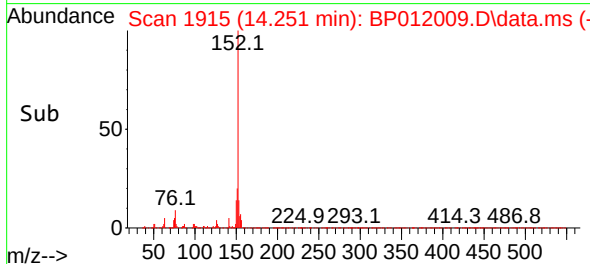
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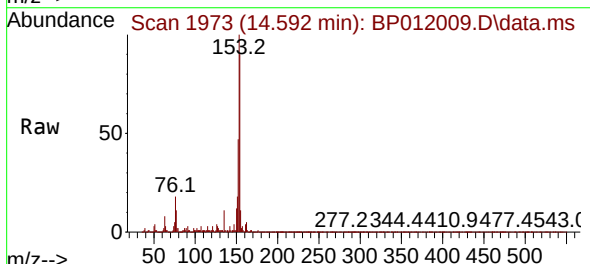
Tgt Ion:152 Resp: 2273690
Ion Ratio Lower Upper
152 100
151 20.0 16.0 24.0
153 13.6 10.8 16.2

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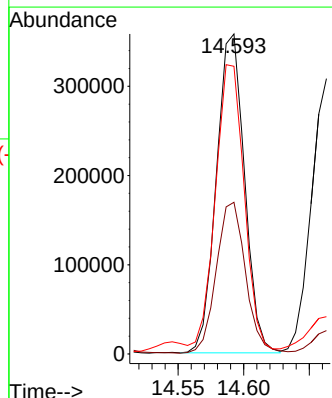
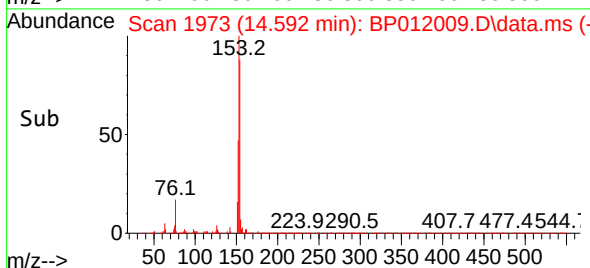
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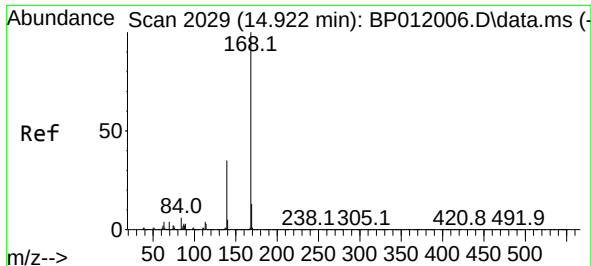


#52
Acenaphthene
Concen: 21.794 ng/ul
RT: 14.592 min Scan# 1973
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57



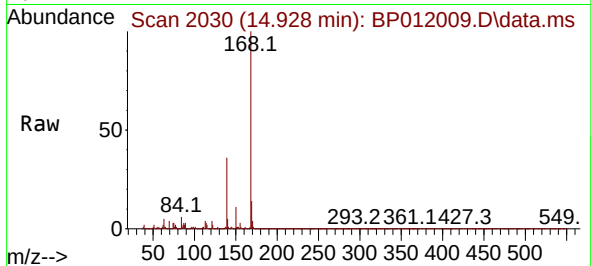
Tgt Ion:153 Resp: 533163
Ion Ratio Lower Upper
153 100
152 47.4 38.4 57.6
154 89.9 70.6 105.8





#56
Dibenzenofuran
Concen: 47.649 ng/ul
RT: 14.928 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

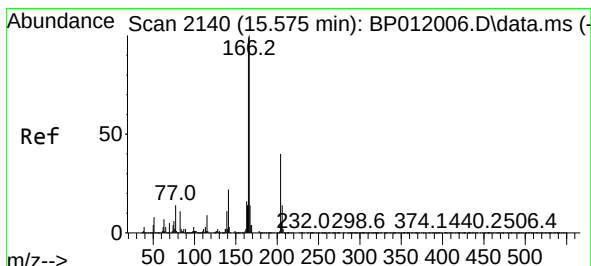
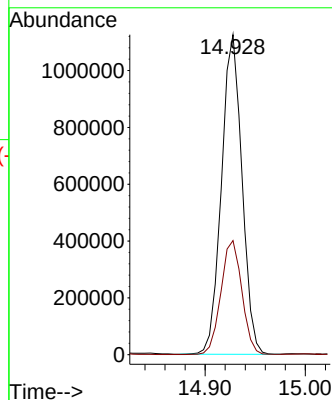
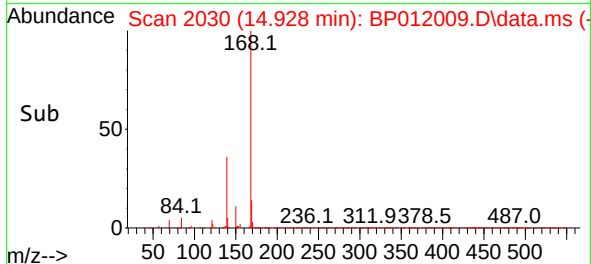
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Tgt Ion:168 Resp: 159660
Ion Ratio Lower Upper
168 100
139 35.7 29.4 44.2

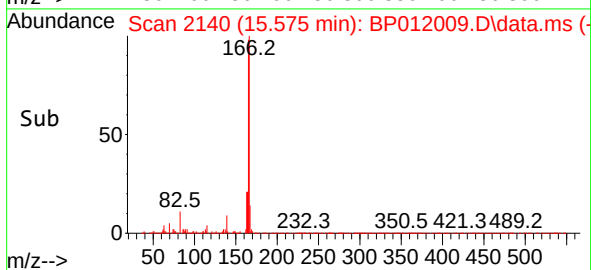
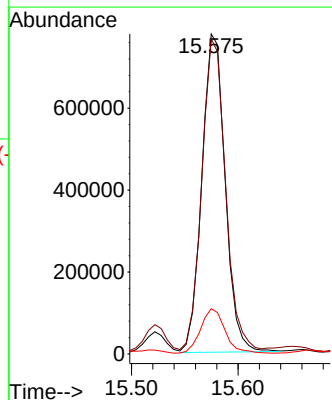
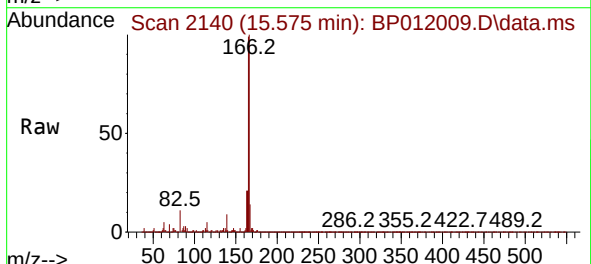
Manual Integrations
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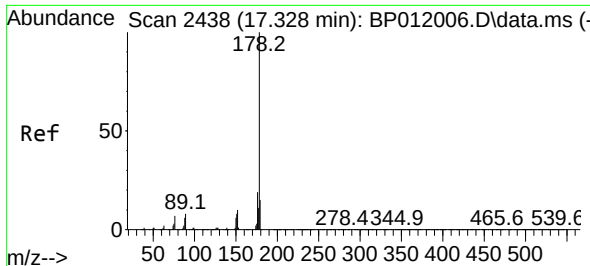
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#61
Fluorene
Concen: 43.074 ng/ul
RT: 15.575 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

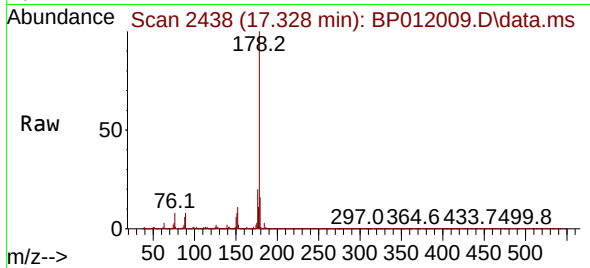
Tgt Ion:166 Resp: 1182121
Ion Ratio Lower Upper
166 100
165 98.5 77.2 115.8
167 14.1 10.7 16.1





#72
Phenanthrene
Concen: 93.971 ng/ul
RT: 17.328 min Scan# 2438
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

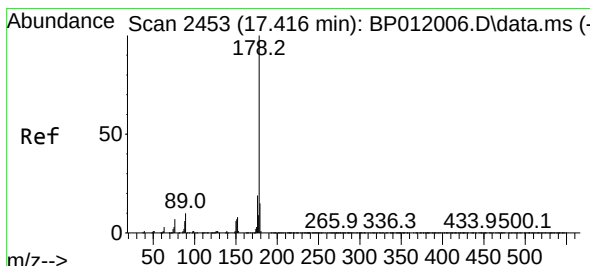
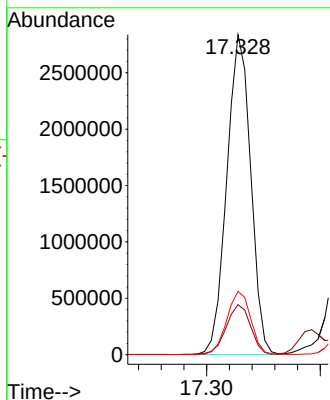
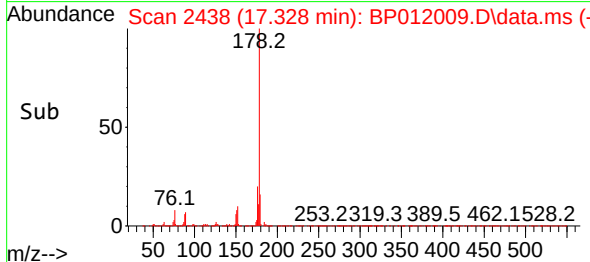
Instrument :
BNA_P
ClientSampleId :
E10007DL



Tgt Ion:178 Resp: 413748
Ion Ratio Lower Upper
178 100
179 15.7 12.5 18.7
176 19.8 15.4 23.2

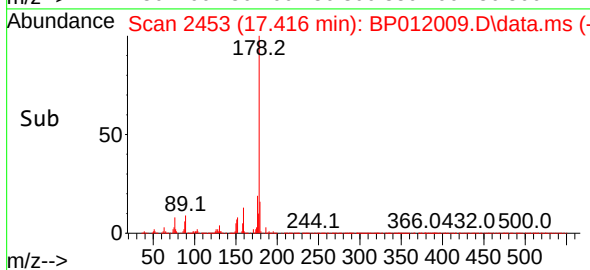
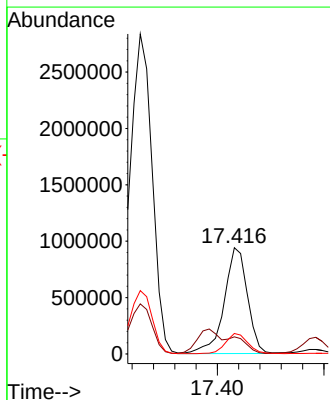
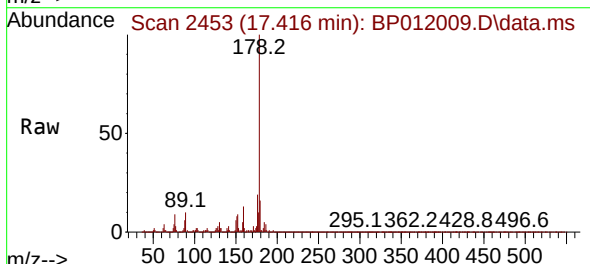
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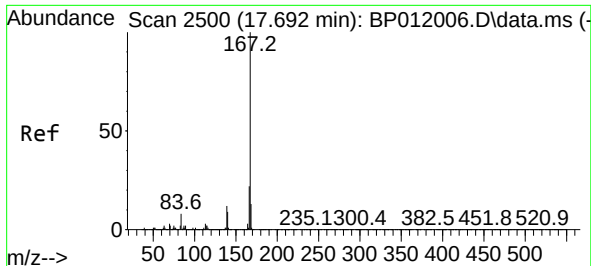
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#74
Anthracene
Concen: 32.115 ng/ul
RT: 17.416 min Scan# 2453
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

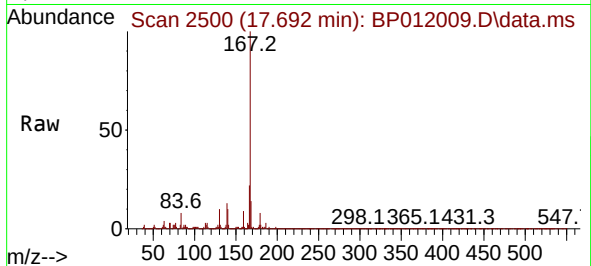
Tgt Ion:178 Resp: 1422684
Ion Ratio Lower Upper
178 100
179 16.1 12.3 18.5
176 19.3 15.4 23.2





#77
 Carbazole
 Concen: 42.633 ng/ul
 RT: 17.692 min Scan# 2500
 Delta R.T. 0.006 min
 Lab File: BP012009.D
 Acq: 07 Oct 2022 14:57

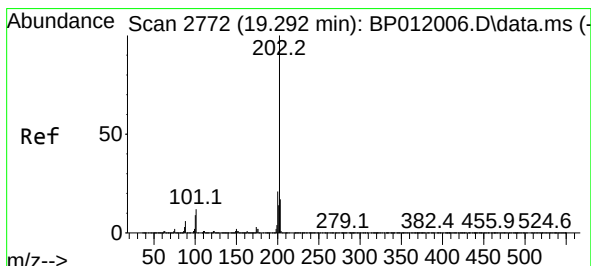
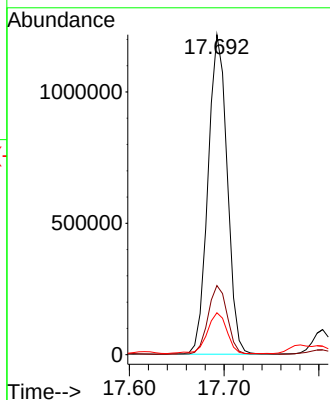
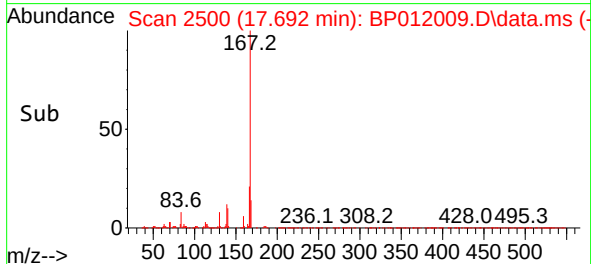
Instrument :
 BNA_P
 ClientSampleId :
 E10007DL



Tgt Ion:167 Resp: 1706430
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 13.1 10.1 15.1

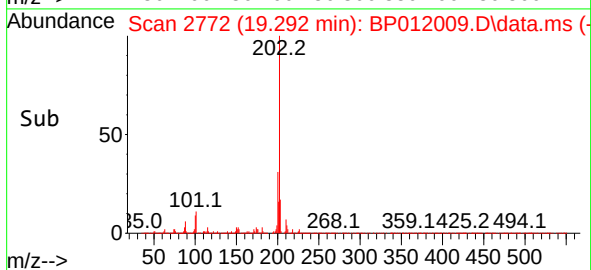
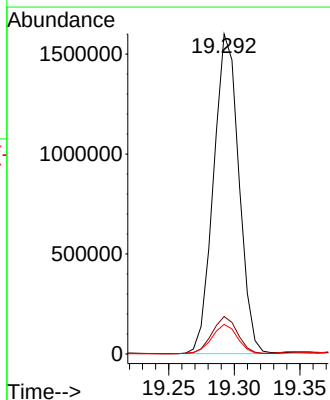
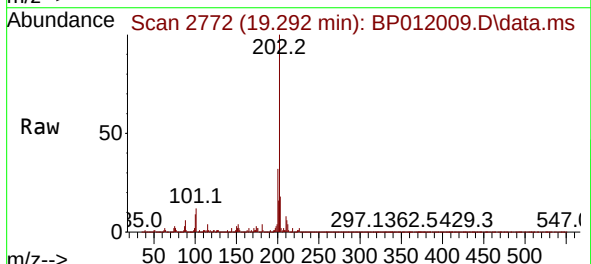
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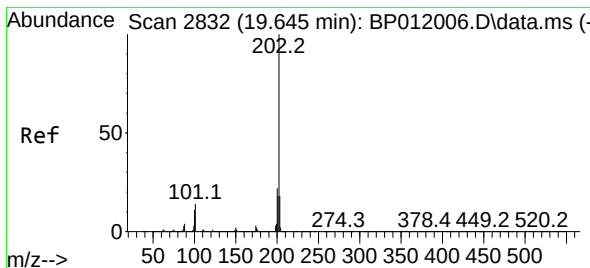
Reviewed By :Jagrut Upadhyay 10/10/2022
 Supervised By :mohammad ahmed 10/10/2022



#80
 Fluoranthene
 Concen: 39.237 ng/ul
 RT: 19.292 min Scan# 2772
 Delta R.T. 0.006 min
 Lab File: BP012009.D
 Acq: 07 Oct 2022 14:57

Tgt Ion:202 Resp: 2148443
 Ion Ratio Lower Upper
 202 100
 101 11.7 9.8 14.6
 100 9.2 7.4 11.0





#82

Pyrene

Concen: 30.347 ng/ul

RT: 19.645 min Scan# 2832

Delta R.T. 0.006 min

Lab File: BP012009.D

Acq: 07 Oct 2022 14:57

Instrument :

BNA_P

ClientSampleId :

E10007DL

Tgt Ion:202 Resp: 1730090

Ion Ratio Lower Upper

202 100

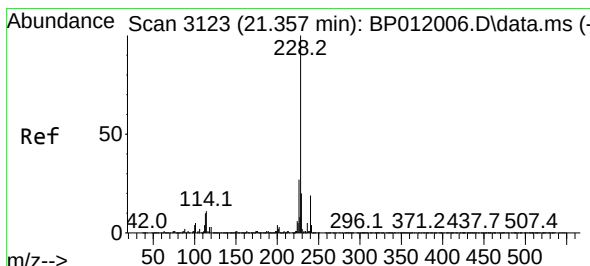
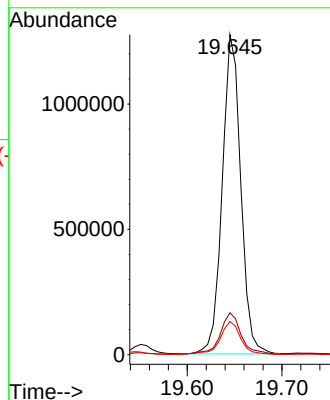
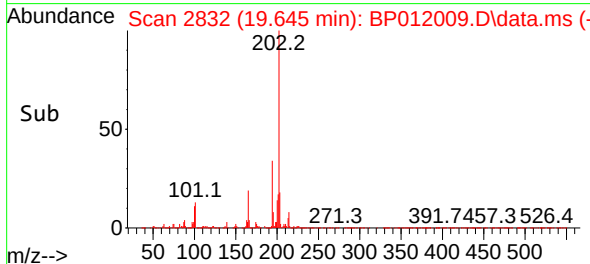
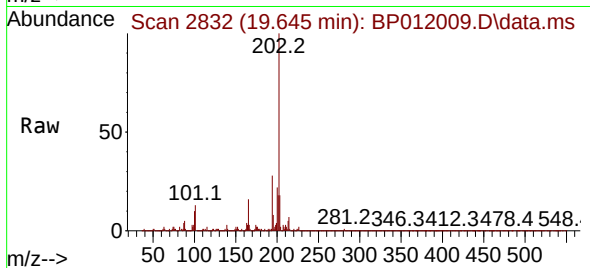
101 13.1 11.6 17.4

100 10.4 9.4 14.0

Manual Integrations

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



#85

Benzo(a)anthracene

Concen: 14.906 ng/ul

RT: 21.357 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BP012009.D

Acq: 07 Oct 2022 14:57

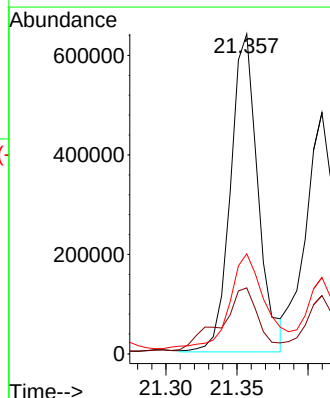
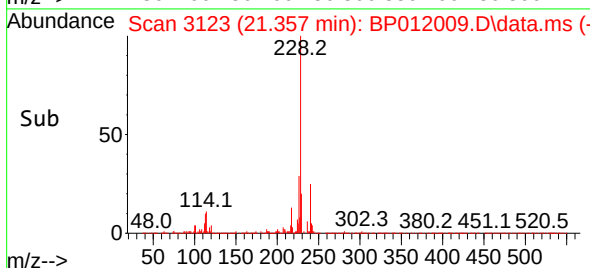
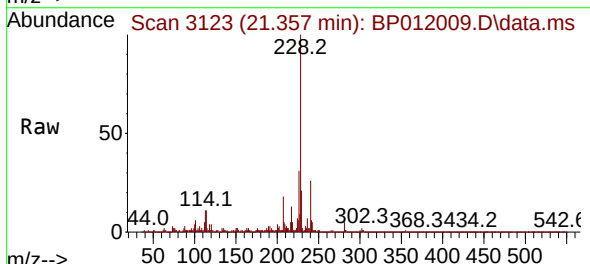
Tgt Ion:228 Resp: 861153

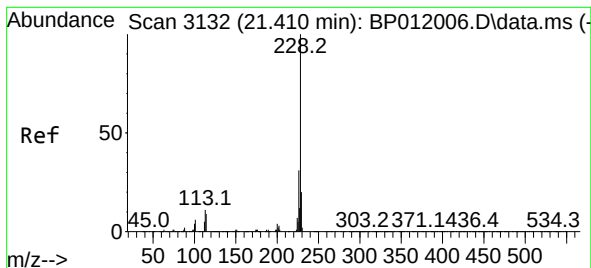
Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.6

226 31.3 22.0 33.0





#87

Chrysene

Concen: 12.344 ng/ul

RT: 21.410 min Scan# 3132

Delta R.T. 0.006 min

Lab File: BP012009.D

Acq: 07 Oct 2022 14:57

Instrument :

BNA_P

ClientSampleId :

E10007DL

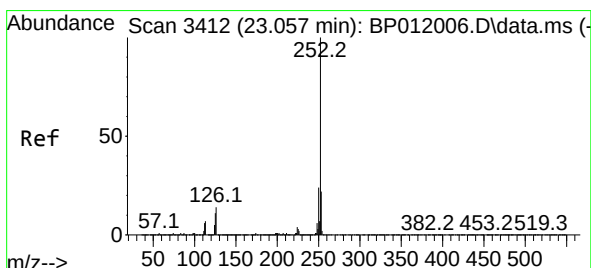
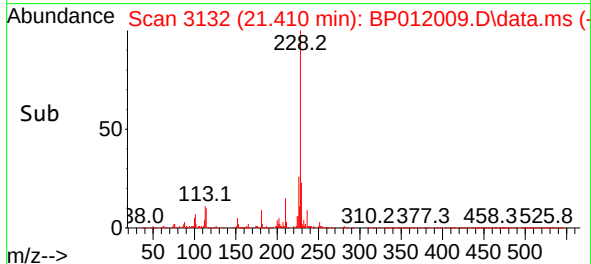
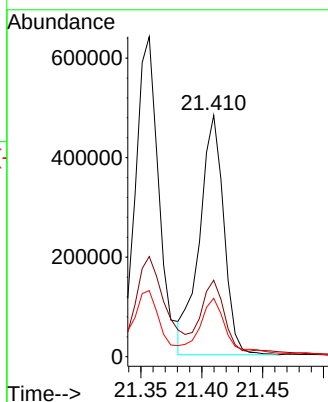
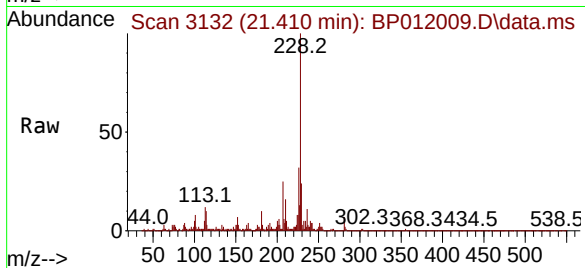
Tgt Ion:228 Resp: 669290

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.3	37.9
229	24.2	16.2	24.2

Manual Integrations

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



#90

Benzo(b)fluoranthene

Concen: 12.452 ng/ul

RT: 23.063 min Scan# 3413

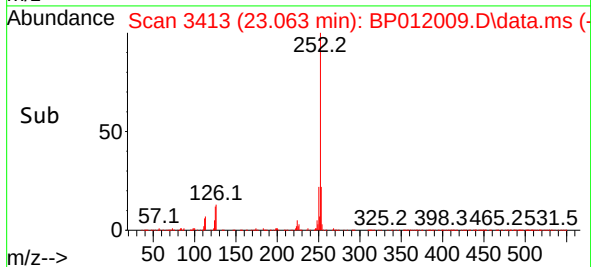
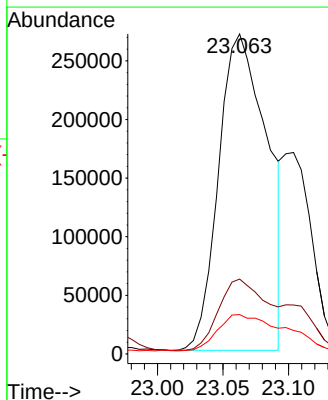
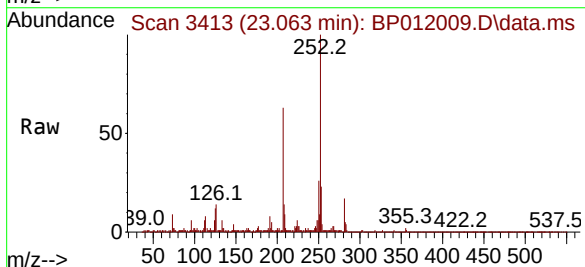
Delta R.T. 0.012 min

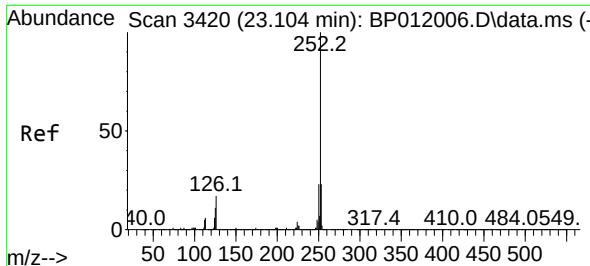
Lab File: BP012009.D

Acq: 07 Oct 2022 14:57

Tgt Ion:252 Resp: 695199

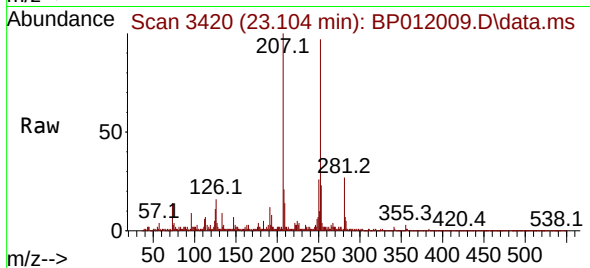
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	12.3	9.2	13.8





#91
Benzo(k)fluoranthene
Concen: 4.724 ng/ul m
RT: 23.104 min Scan# 3420
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

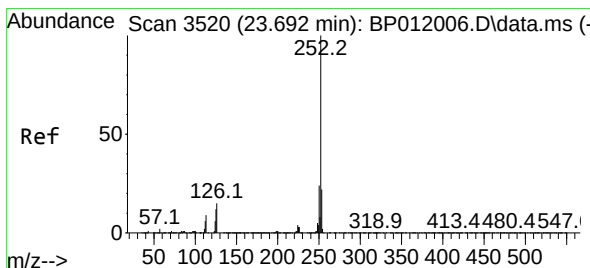
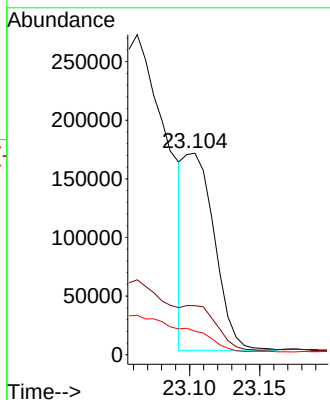
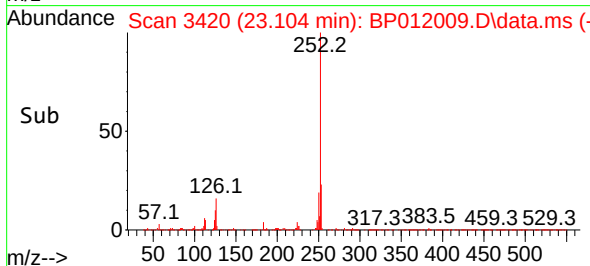
Instrument :
BNA_P
ClientSampleId :
E10007DL



Tgt Ion:252 Resp: 25399
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 11.7 9.2 13.8

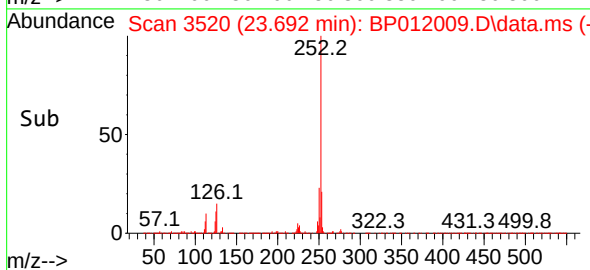
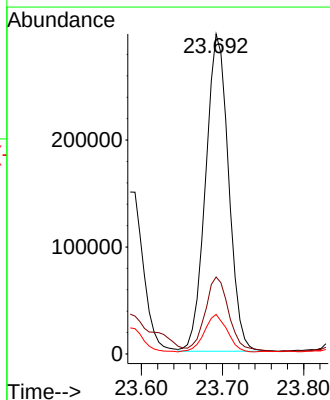
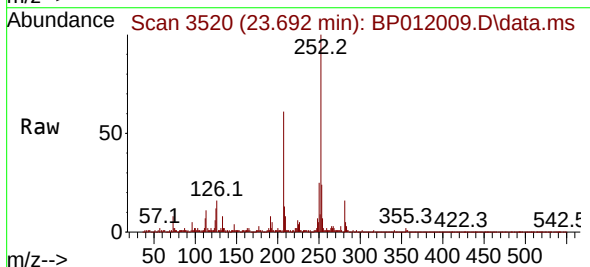
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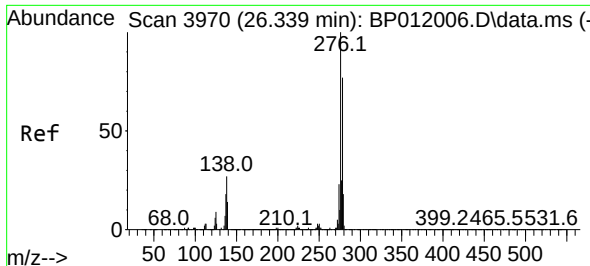
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#93
Benzo(a)pyrene
Concen: 11.699 ng/ul
RT: 23.692 min Scan# 3520
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

Tgt Ion:252 Resp: 582880
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 12.3 9.8 14.8





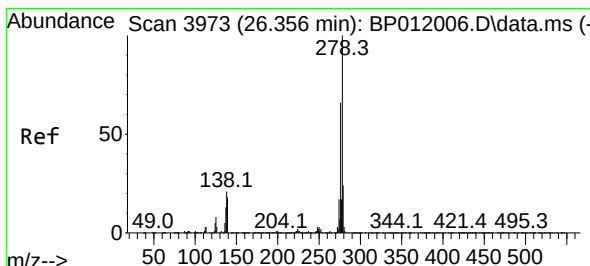
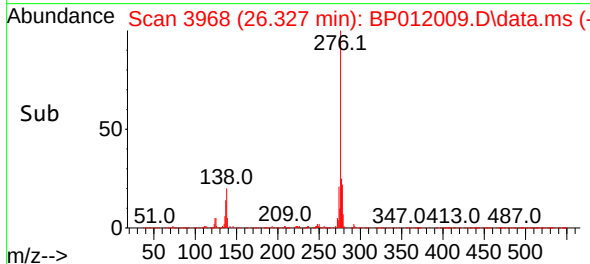
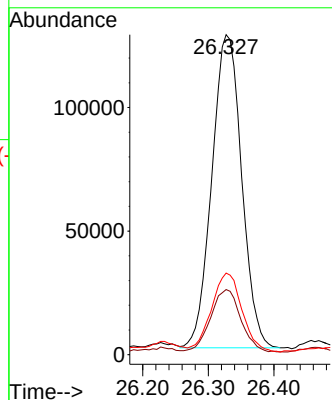
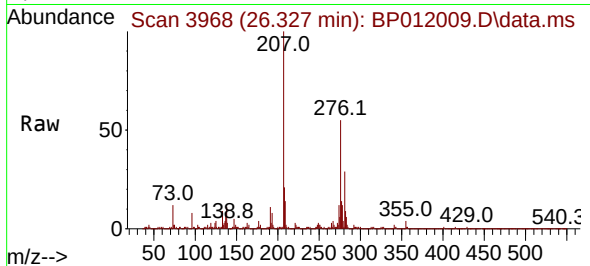
#94
Indeno(1,2,3-cd)pyrene
Concen: 6.307 ng/ul
RT: 26.327 min Scan# 3968
Delta R.T. 0.006 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

Instrument :
BNA_P
ClientSampleId :
E10007DL

Tgt Ion:276 Resp: 39995
Ion Ratio Lower Upper
276 100
138 20.4 21.4 32.0
277 25.5 19.9 29.9

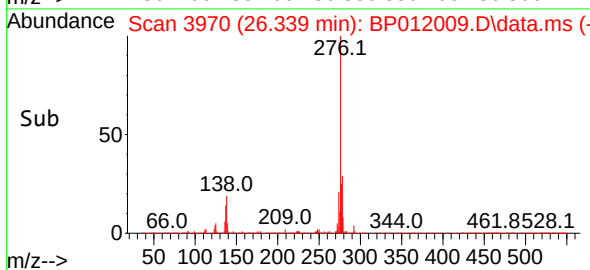
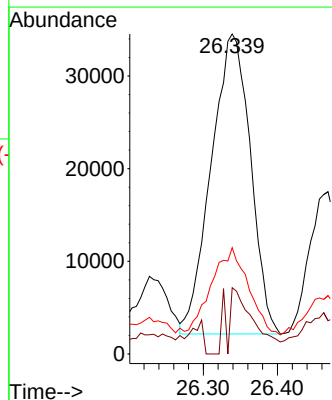
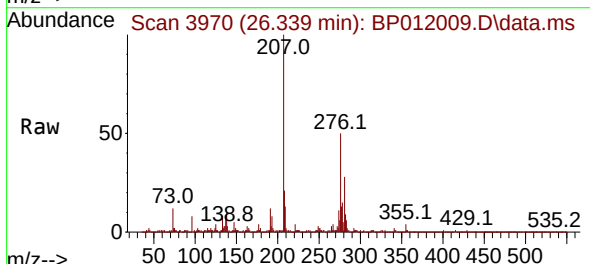
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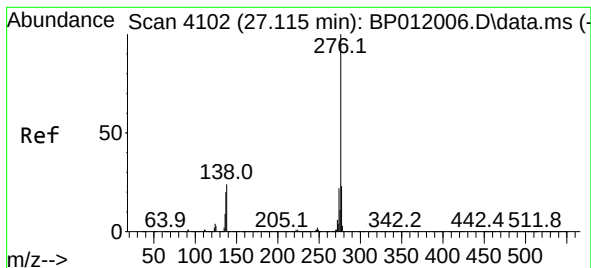
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#95
Dibenzo(a,h)anthracene
Concen: 2.116 ng/ul
RT: 26.339 min Scan# 3970
Delta R.T. 0.000 min
Lab File: BP012009.D
Acq: 07 Oct 2022 14:57

Tgt Ion:278 Resp: 119219
Ion Ratio Lower Upper
278 100
139 20.7 15.0 22.6
279 33.2 19.0 28.6





#96

Benzo(g,h,i)perylene

Concen: 5.710 ng/ul

RT: 27.109 min Scan# 41

Delta R.T. 0.012 min

Lab File: BP012009.D

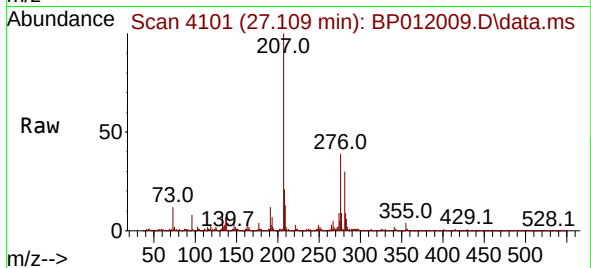
Acq: 07 Oct 2022 14:57

Instrument :

BNA_P

ClientSampleId :

E10007DL



Tgt Ion:276 Resp: 32105

Ion Ratio Lower Upper

276 100

138 19.8 19.8 29.6

277 23.9 18.6 27.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/10/2022

Supervised By :mohammad ahmed 10/10/2022

