

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP012013.D
 Acq On : 07 Oct 2022 17:53
 Operator : CG/JU
 Sample : N4923-02DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10008DL

Quant Time: Oct 07 23:09:39 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	227585	20.000	ng/u1	0.00
20) Naphthalene-d8	10.687	136	932345	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.522	164	567079	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.281	188	1228122	20.000	ng/u1	0.00
79) Chrysene-d12	21.369	240	1232234	20.000	ng/u1	0.00
88) Perylene-d12	23.798	264	1326751	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	3.758	84	10651m	0.705	ng/u1	0.04
7) Phenol-d5	7.046	99	12267	0.624	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.211	67	29791	2.736	ng/u1	0.00
11) 2-Chlorophenol-d4	7.411	132	28912	1.864	ng/u1	0.00
15) 4-Methylphenol-d8	8.587	113	19562	1.204	ng/u1	0.00
21) Nitrobenzene-d5	9.046	128	19744	2.780	ng/u1	0.00
24) 2-Nitrophenol-d4	9.769	143	16840	2.216	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.310	165	30424	2.165	ng/u1	0.00
31) 4-Chloroaniline-d4	10.834	131	69029m	3.222	ng/u1	0.01
46) Dimethylphthalate-d6	13.934	166	115869	2.857	ng/u1	0.00
49) Acenaphthylene-d8	14.216	160	137660	2.978	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.516	176	108831	3.090	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	10137	1.364	ng/u1	0.01
73) Anthracene-d10	17.381	188	174512	3.119	ng/u1	0.00
81) Pyrene-d10	19.616	212	204783	3.281	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.639	264	200635	3.021	ng/u1	0.00
Target Compounds						
					Qvalue	
8) Phenol	7.069	94	625819	30.710	ng/u1	99
13) 2-Methylphenol	8.322	108	348375	21.699	ng/u1	99
18) 4-Methylphenol	8.658	108	1024637	57.923	ng/u1	94
26) 2,4-Dimethylphenol	9.863	107	413365m	25.357	ng/u1	
30) Naphthalene	10.740	128	9203962	183.795	ng/u1	99
36) 2-Methylnaphthalene	12.346	142	1682625	48.114	ng/u1	99
37) 1-Methylnaphthalene	12.563	142	1101049	31.377	ng/u1	99
43) 1,1'-Biphenyl	13.357	154	321606	7.667	ng/u1	100
50) Acenaphthylene	14.246	152	2257541	43.969	ng/u1	99
52) Acenaphthene	14.587	153	232971	6.431	ng/u1	98
56) Dibenzofuran	14.922	168	1109999	22.372	ng/u1	100
61) Fluorene	15.575	166	1347429	33.158	ng/u1	98
72) Phenanthrene	17.328	178	5113923	75.770	ng/u1	99
74) Anthracene	17.416	178	1699856	25.032	ng/u1	99
77) Carbazole	17.692	167	737264	12.016	ng/u1	100
80) Fluoranthene	19.292	202	3356062	43.943	ng/u1	98
82) Pyrene	19.645	202	2843403	35.758	ng/u1	97
85) Benzo(a)anthracene	21.357	228	1547951	19.210	ng/u1	95
87) Chrysene	21.404	228	1216389	16.085	ng/u1	96
90) Benzo(b)fluoranthene	23.057	252	1237041	14.608	ng/u1	99
91) Benzo(k)fluoranthene	23.104	252	410551m	5.035	ng/u1	
93) Benzo(a)pyrene	23.692	252	1039962	13.761	ng/u1	97
94) Indeno(1,2,3-cd)pyrene	26.327	276	498115	5.178	ng/u1	98
95) Dibenzo(a,h)anthracene	26.333	278	155684	1.822	ng/u1#	91

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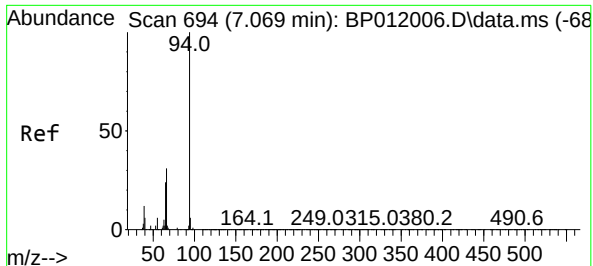
Manual Integrations
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 Supervised By :mohammad ahmed 10/10/2022

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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP093022.M
 Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) Benzo(g,h,i)perylene	27.110	276	426490	5.001	ng/ul	97

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



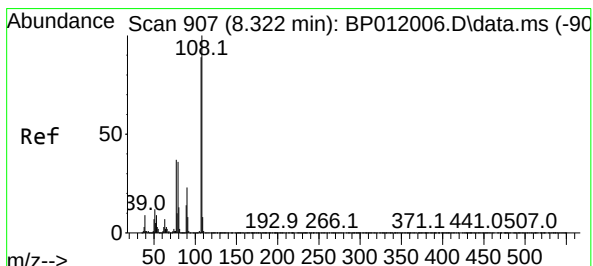
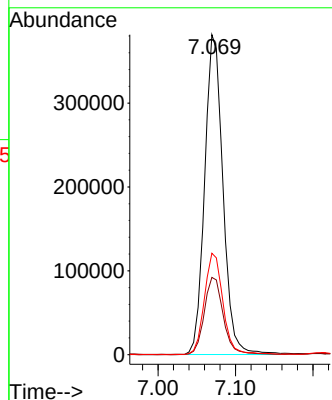
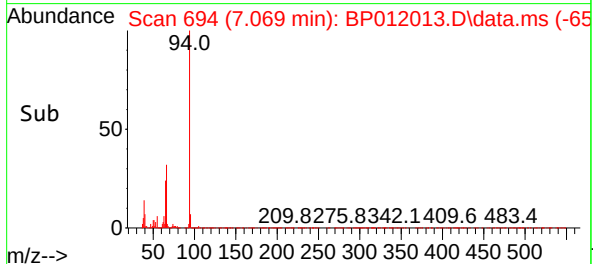
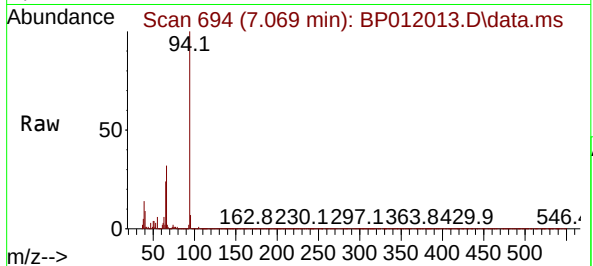
#8
Phenol
Concen: 30.710 ng/ul
RT: 7.069 min Scan# 694
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

Instrument :
BNA_P
Client SampleId :
E10008DL

Tgt Ion: 94 Resp: 625819
Ion Ratio Lower Upper
94 100
65 24.2 19.5 29.3
66 31.7 25.0 37.4

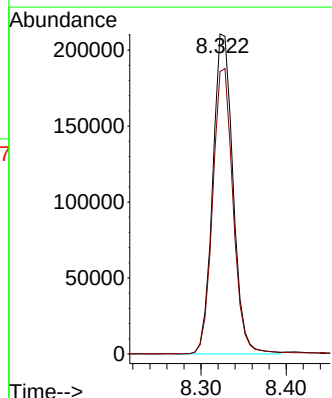
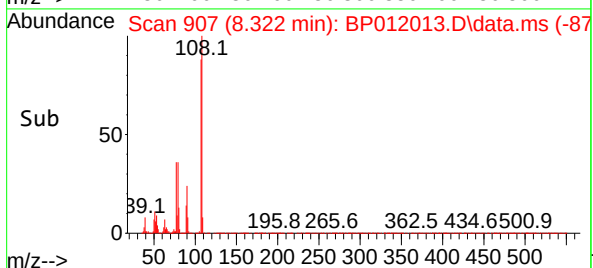
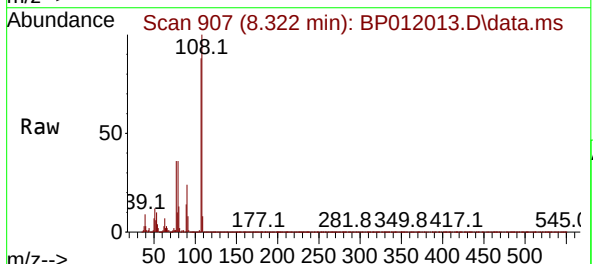
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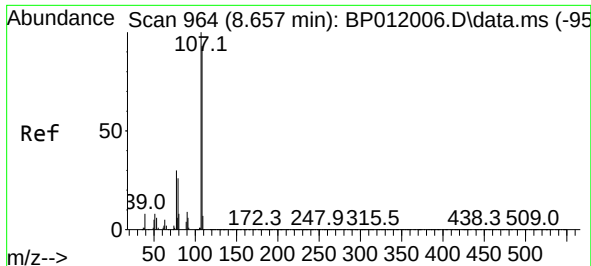
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#13
2-Methylphenol
Concen: 21.699 ng/ul
RT: 8.322 min Scan# 907
Delta R.T. 0.000 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

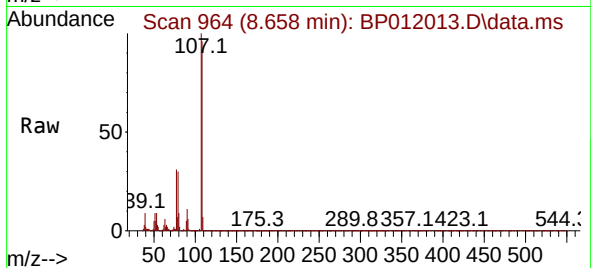
Tgt Ion:108 Resp: 348375
Ion Ratio Lower Upper
108 100
107 88.3 70.2 105.2





#18
4-Methylphenol
Concen: 57.923 ng/ul
RT: 8.658 min Scan# 90
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

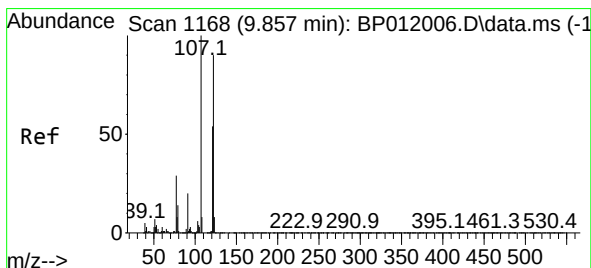
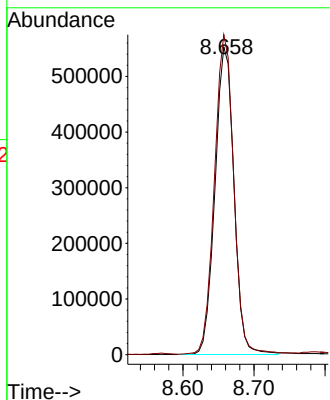
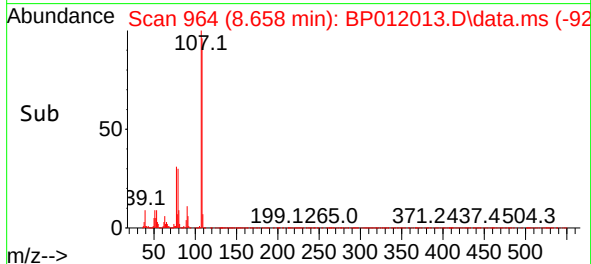
Instrument :
BNA_P
ClientSampleId :
E10008DL



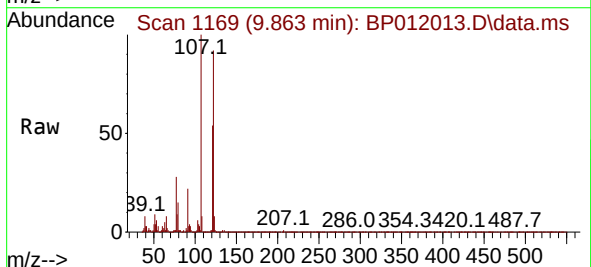
Tgt Ion:108 Resp: 102463
Ion Ratio Lower Upper
108 100
107 104.0 88.0 132.0

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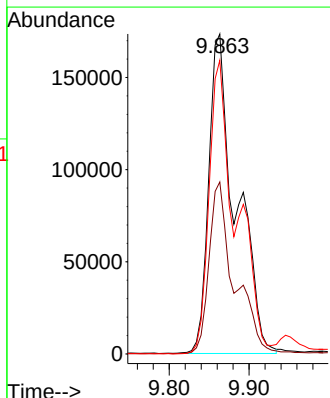
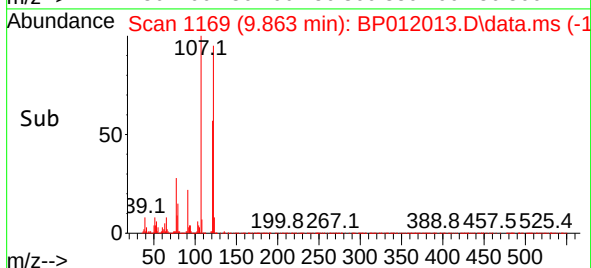
Reviewed By :Jagrut Upadhyay 10/10/2022
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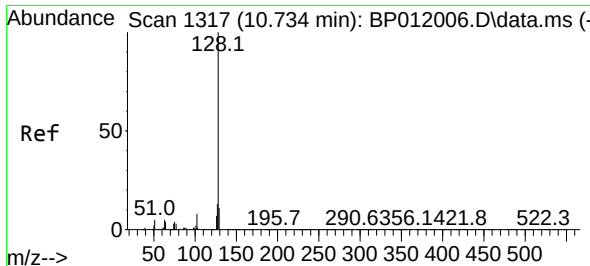


#26
2,4-Dimethylphenol
Concen: 25.357 ng/ul m
RT: 9.863 min Scan# 1169
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53



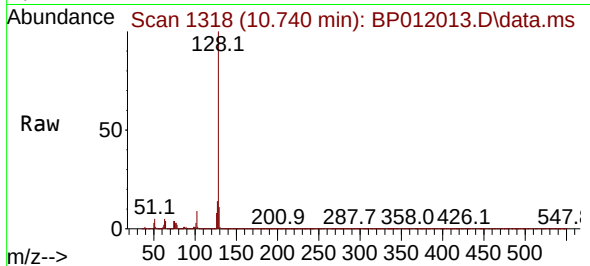
Tgt Ion:107 Resp: 413365
Ion Ratio Lower Upper
107 100
121 53.8 43.0 64.6
122 91.7 74.9 112.3





#30
Naphthalene
Concen: 183.795 ng/ul
RT: 10.740 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

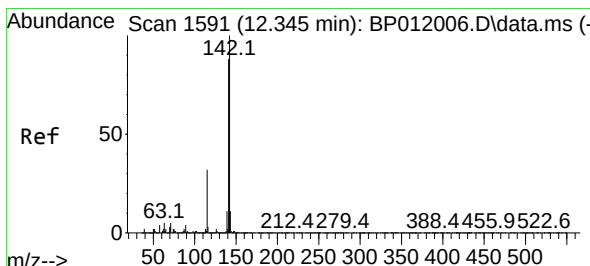
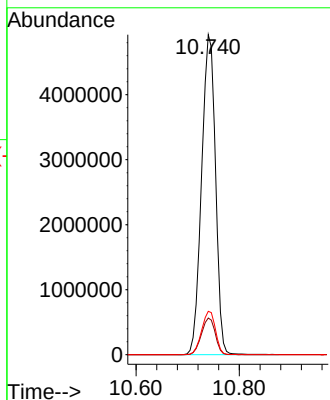
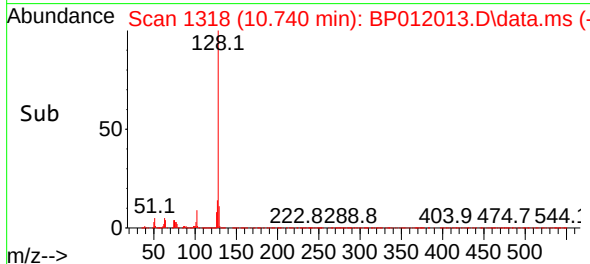
Instrument :
BNA_P
ClientSampleId :
E10008DL



Tgt Ion:128 Resp: 920396
Ion Ratio Lower Upper
128 100
129 11.5 8.9 13.3
127 13.6 10.5 15.7

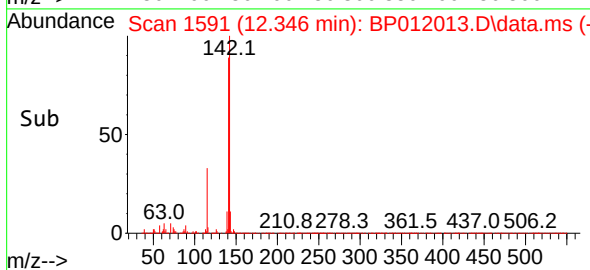
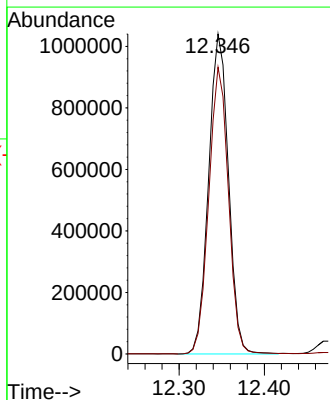
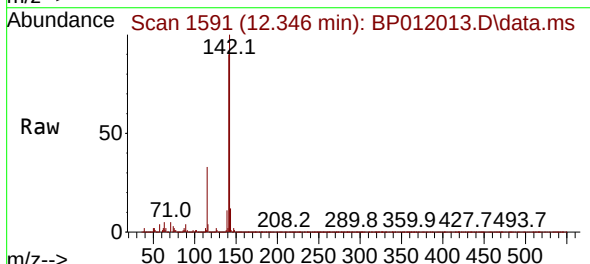
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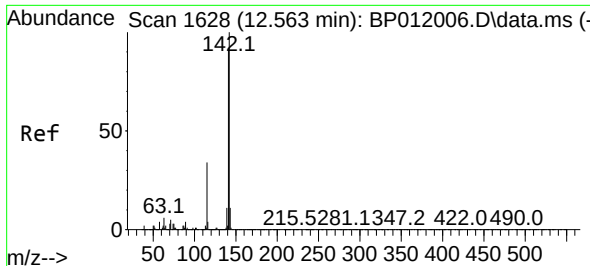
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#36
2-Methylnaphthalene
Concen: 48.114 ng/ul
RT: 12.346 min Scan# 1591
Delta R.T. 0.000 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

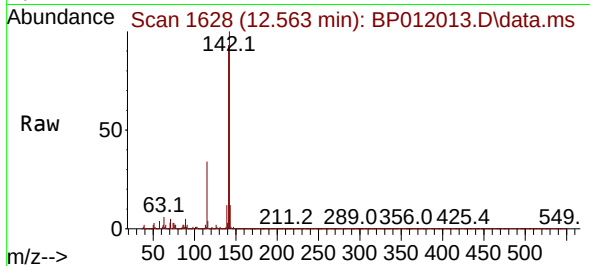
Tgt Ion:142 Resp: 1682625
Ion Ratio Lower Upper
142 100
141 89.6 70.6 106.0





#37
1-Methylnaphthalene
Concen: 31.377 ng/ul
RT: 12.563 min Scan# 1628
Delta R.T. 0.000 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

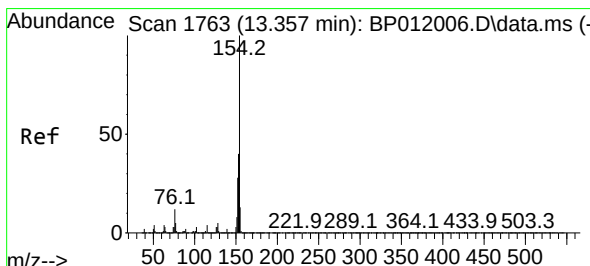
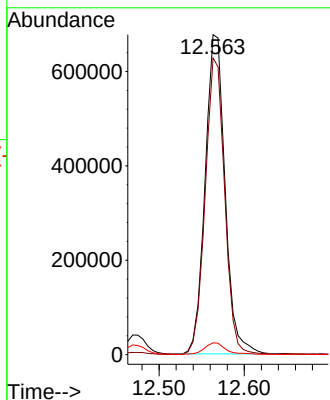
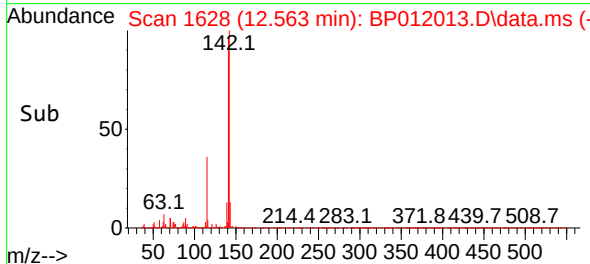
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E10008DL



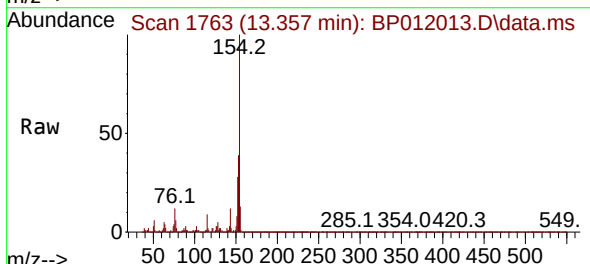
Tgt Ion:142 Resp: 1101049
Ion Ratio Lower Upper
142 100
141 92.7 74.8 112.2
116 3.7 2.9 4.3

Manual Integrations
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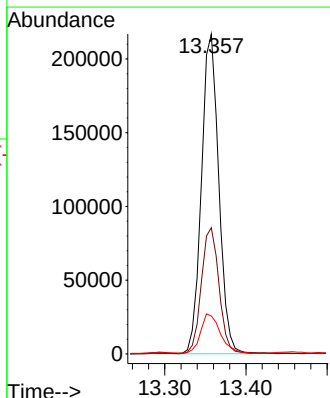
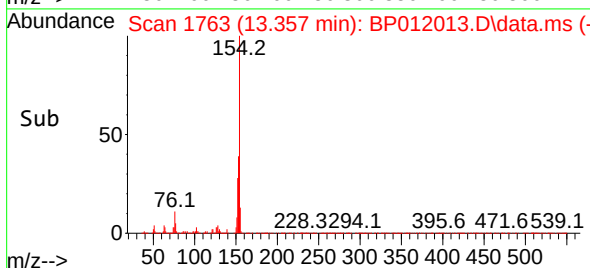
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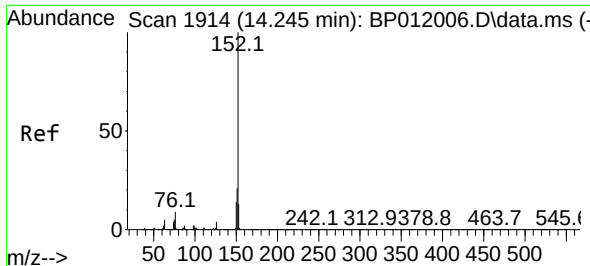


#43
1,1'-Biphenyl
Concen: 7.667 ng/ul
RT: 13.357 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53



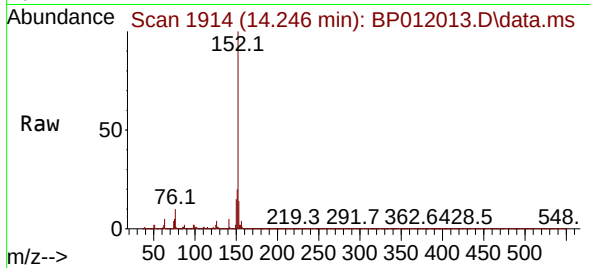
Tgt Ion:154 Resp: 321606
Ion Ratio Lower Upper
154 100
153 39.5 31.8 47.6
76 11.8 9.5 14.3





#50
Acenaphthylene
Concen: 43.969 ng/ul
RT: 14.246 min Scan# 1914
Delta R.T. 0.000 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

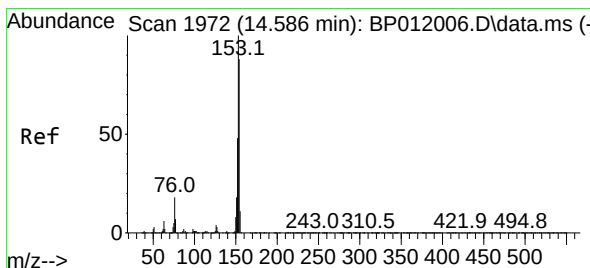
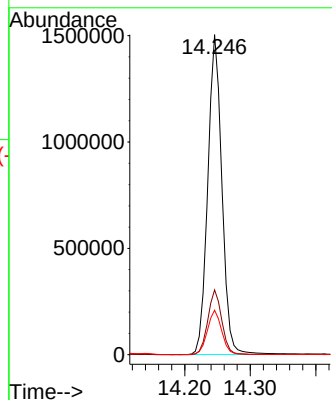
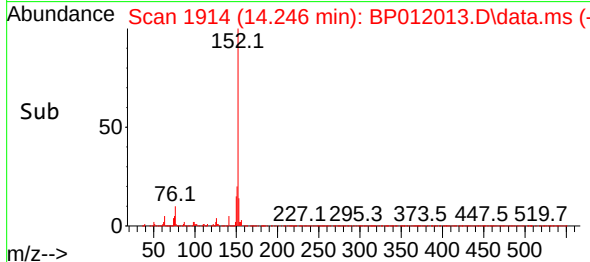
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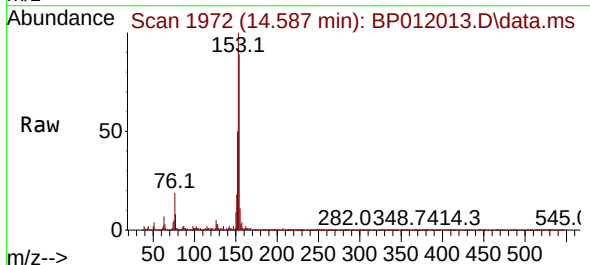
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Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.9 10.8 16.2

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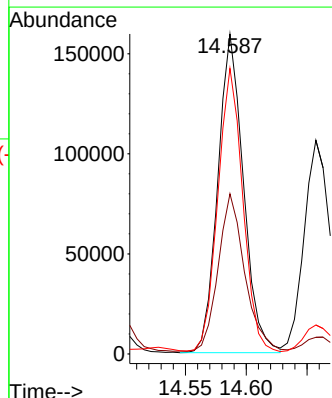
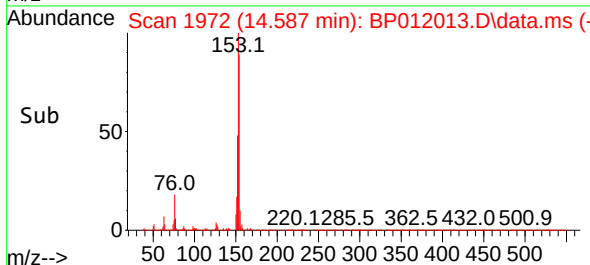
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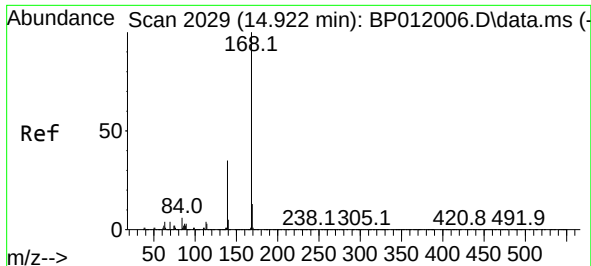


#52
Acenaphthene
Concen: 6.431 ng/ul
RT: 14.587 min Scan# 1972
Delta R.T. 0.000 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53



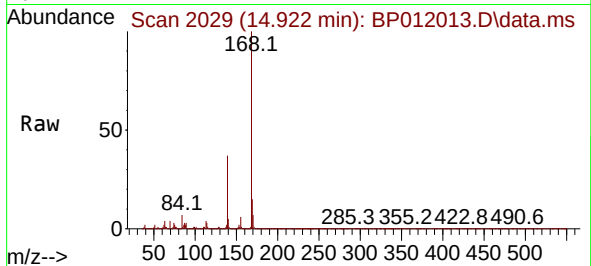
Tgt Ion:153 Resp: 232971
Ion Ratio Lower Upper
153 100
152 50.0 38.4 57.6
154 89.3 70.6 105.8





#56
Dibenzenofuran
Concen: 22.372 ng/ul
RT: 14.922 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BP012013.D
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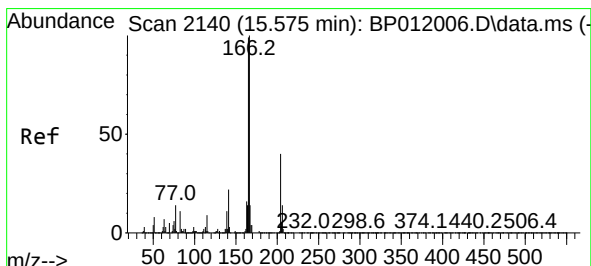
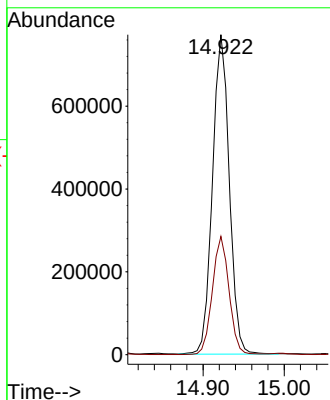
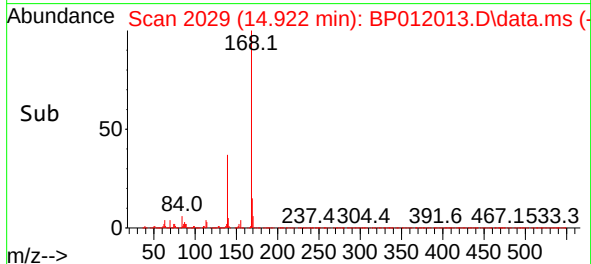
Instrument :
BNA_P
ClientSampleId :
E10008DL



Tgt Ion:168 Resp: 1109999
Ion Ratio Lower Upper
168 100
139 36.9 29.4 44.2

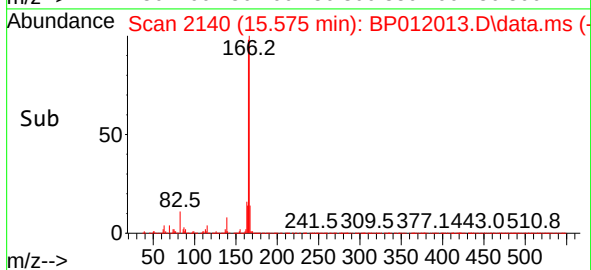
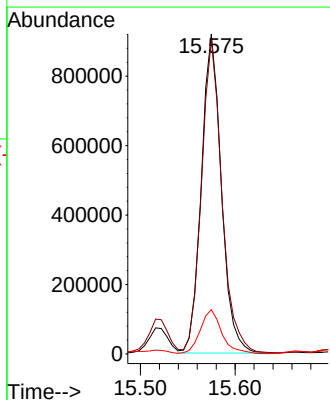
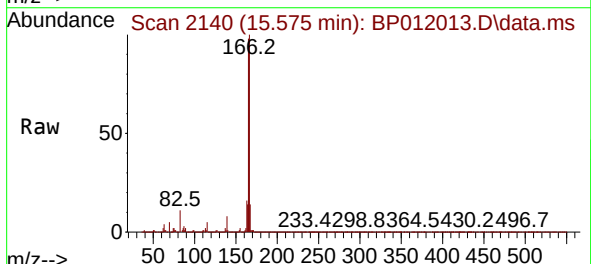
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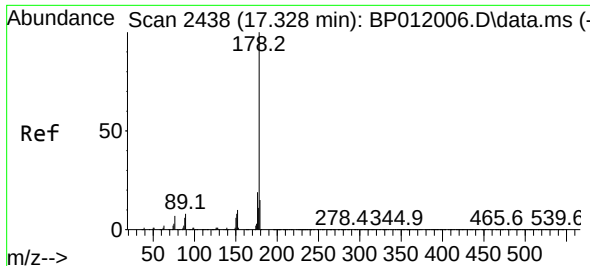
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#61
Fluorene
Concen: 33.158 ng/ul
RT: 15.575 min Scan# 2140
Delta R.T. 0.000 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

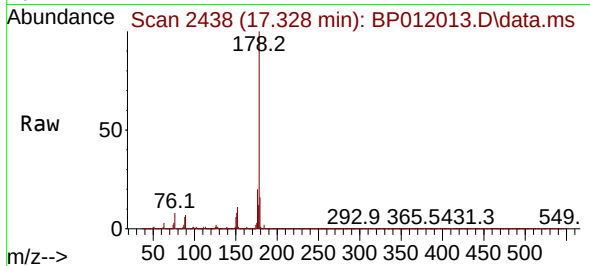
Tgt Ion:166 Resp: 1347429
Ion Ratio Lower Upper
166 100
165 98.2 77.2 115.8
167 13.8 10.7 16.1





#72
Phenanthrene
Concen: 75.770 ng/ul
RT: 17.328 min Scan# 2438
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

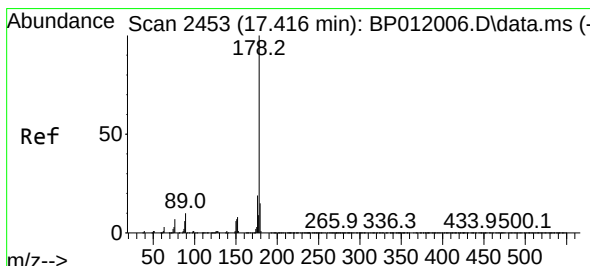
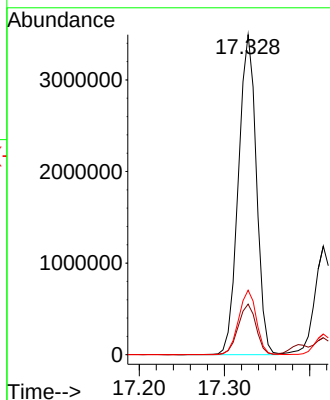
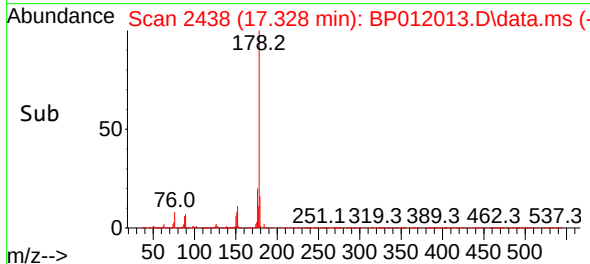
Instrument :
BNA_P
ClientSampleId :
E10008DL



Tgt Ion:178 Resp: 511392
Ion Ratio Lower Upper
178 100
179 15.8 12.5 18.7
176 20.1 15.4 23.2

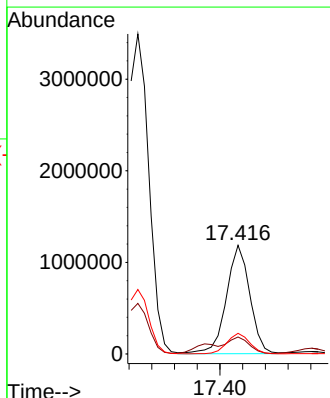
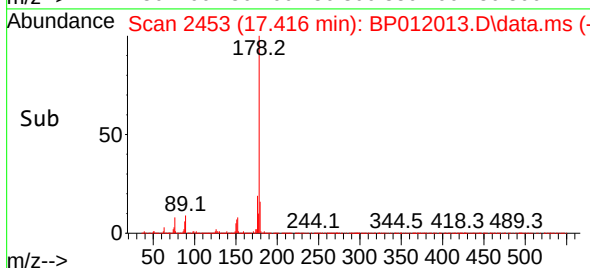
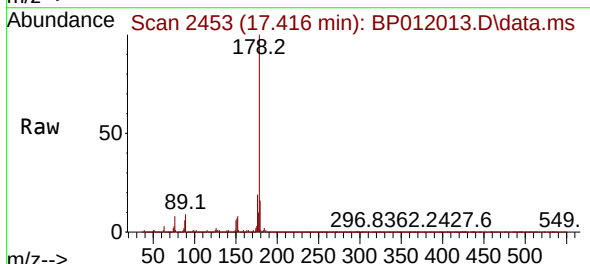
Manual Integrations
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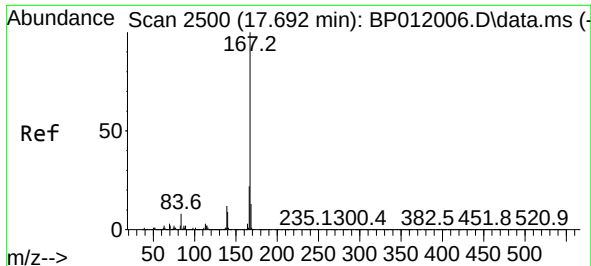
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#74
Anthracene
Concen: 25.032 ng/ul
RT: 17.416 min Scan# 2453
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

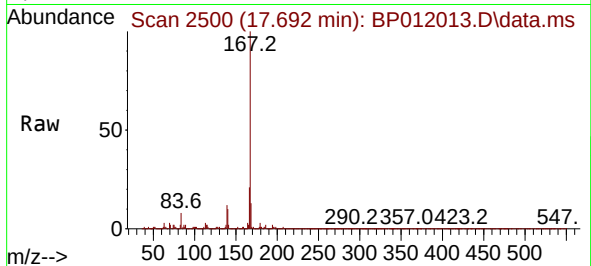
Tgt Ion:178 Resp: 1699856
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 19.0 15.4 23.2





#77
 Carbazole
 Concen: 12.016 ng/ul
 RT: 17.692 min Scan# 2500
 Delta R.T. 0.006 min
 Lab File: BP012013.D
 Acq: 07 Oct 2022 17:53

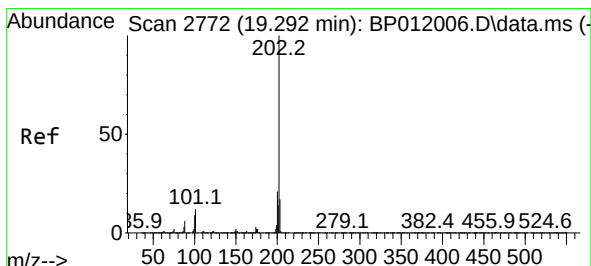
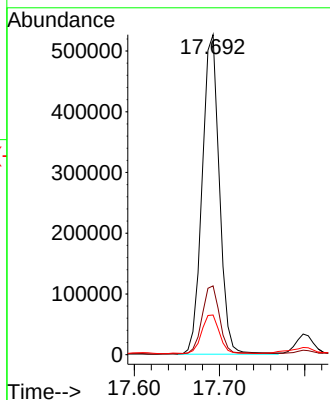
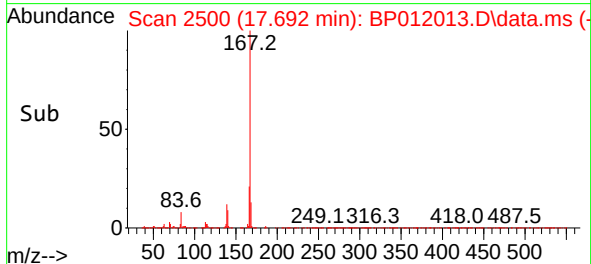
Instrument :
 BNA_P
 ClientSampleId :
 E10008DL



Tgt Ion:167 Resp: 737264
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 12.4 10.1 15.1

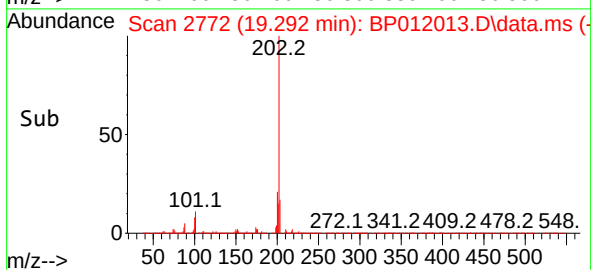
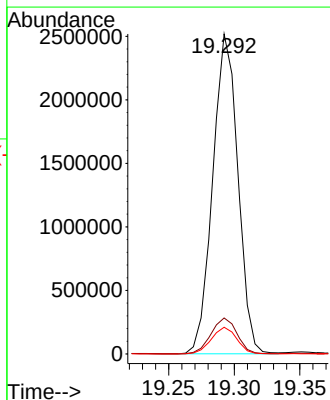
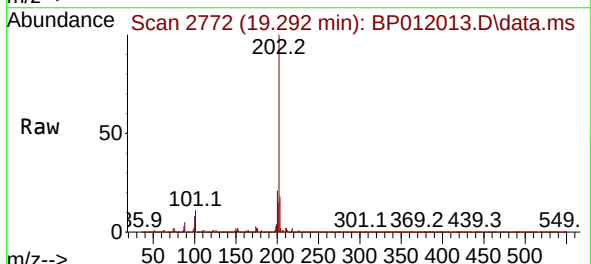
Manual Integrations
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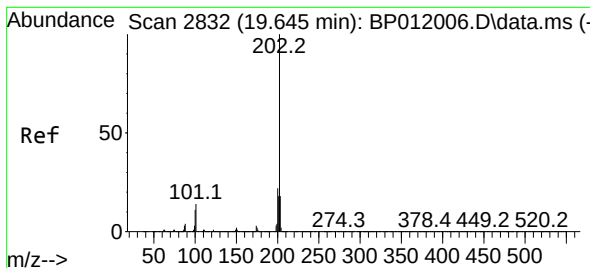
Reviewed By :Jagrut Upadhyay 10/10/2022
 Supervised By :mohammad ahmed 10/10/2022



#80
 Fluoranthene
 Concen: 43.943 ng/ul
 RT: 19.292 min Scan# 2772
 Delta R.T. 0.006 min
 Lab File: BP012013.D
 Acq: 07 Oct 2022 17:53

Tgt Ion:202 Resp: 3356062
 Ion Ratio Lower Upper
 202 100
 101 11.2 9.8 14.6
 100 8.3 7.4 11.0





#82

Pyrene

Concen: 35.758 ng/ul

RT: 19.645 min Scan# 2832

Delta R.T. 0.006 min

Lab File: BP012013.D

Acq: 07 Oct 2022 17:53

Instrument :

BNA_P

ClientSampleId :

E10008DL

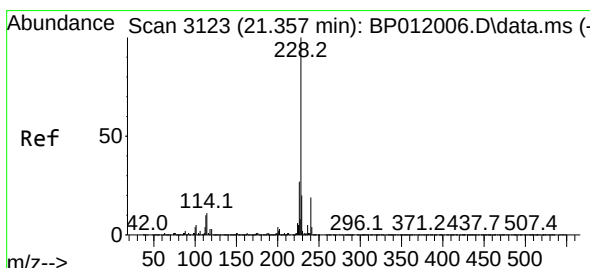
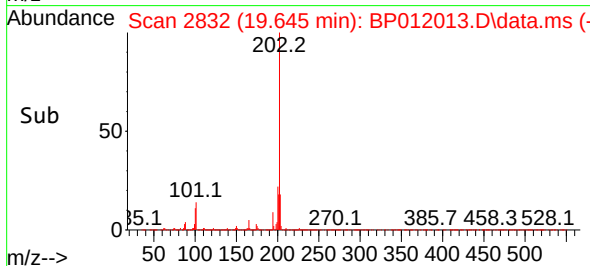
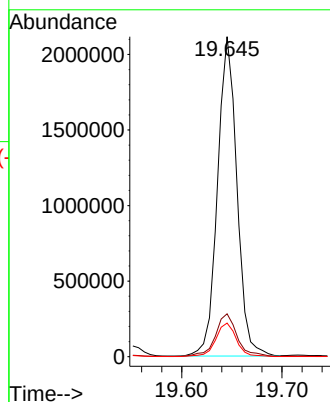
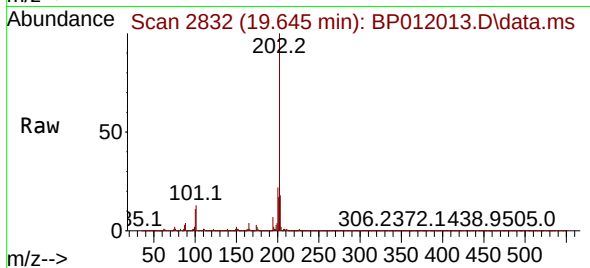
Tgt Ion:202 Resp: 284340

Ion	Ratio	Lower	Upper
202	100		
101	13.4	11.6	17.4
100	10.5	9.4	14.0

Manual Integrations

APPROVED

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



#85

Benzo(a)anthracene

Concen: 19.210 ng/ul

RT: 21.357 min Scan# 3123

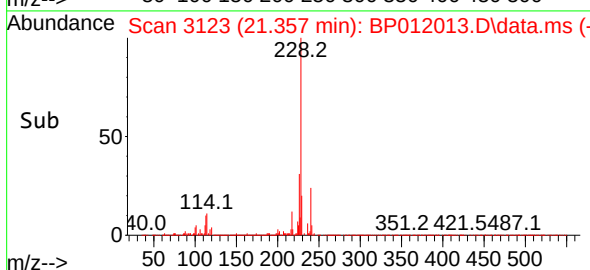
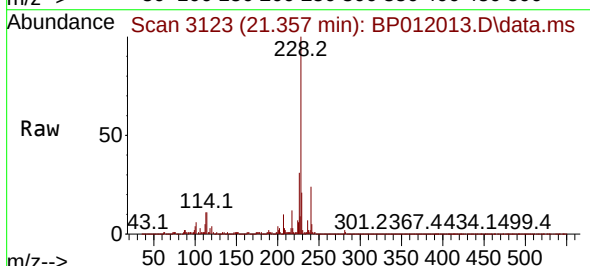
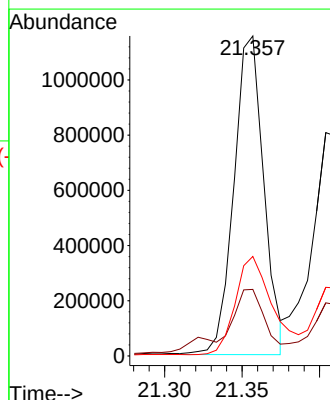
Delta R.T. 0.006 min

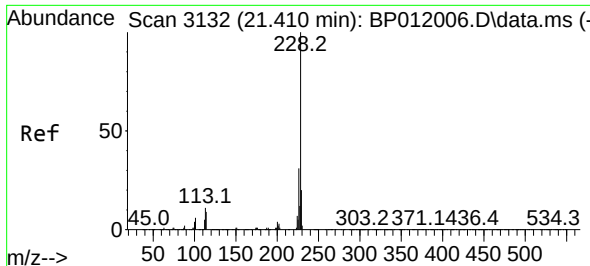
Lab File: BP012013.D

Acq: 07 Oct 2022 17:53

Tgt Ion:228 Resp: 1547951

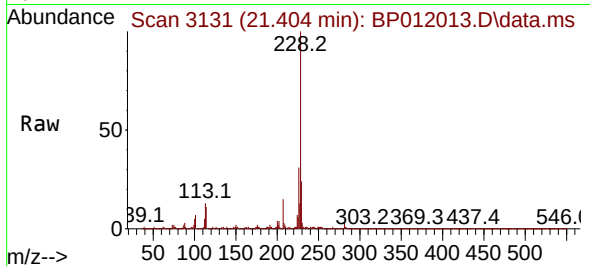
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	31.1	22.0	33.0





#87
Chrysene
Concen: 16.085 ng/u1
RT: 21.404 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

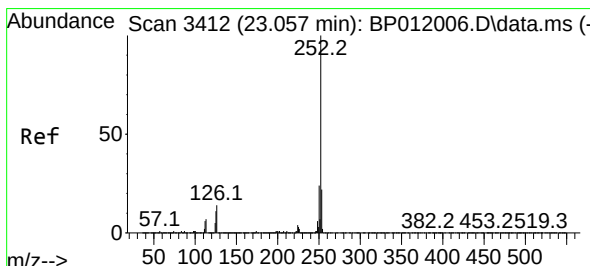
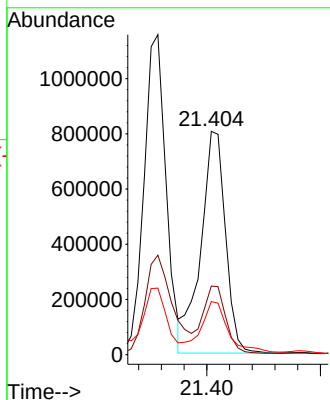
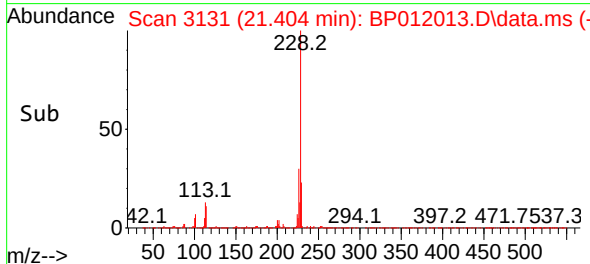
Instrument :
BNA_P
ClientSampleId :
E10008DL



Tgt Ion:228 Resp: 1216389
Ion Ratio Lower Upper
228 100
226 30.7 25.3 37.9
229 23.8 16.2 24.2

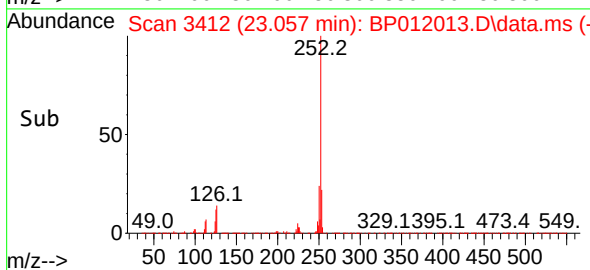
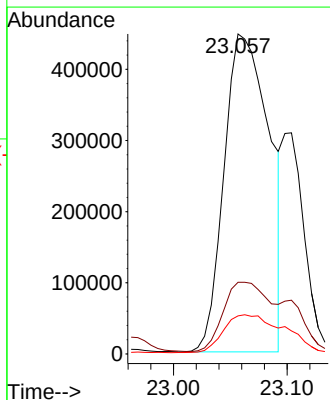
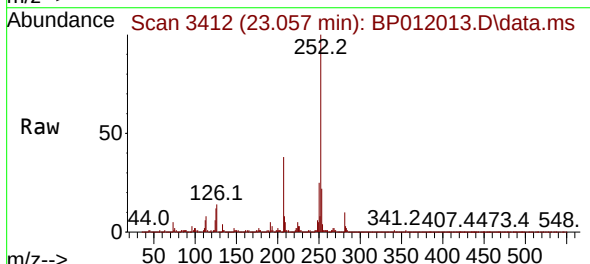
Manual Integrations
APPROVED

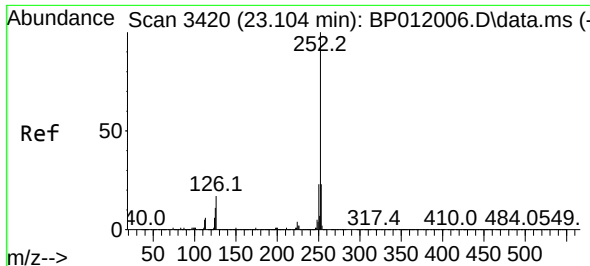
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#90
Benzo(b)fluoranthene
Concen: 14.608 ng/u1
RT: 23.057 min Scan# 3412
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

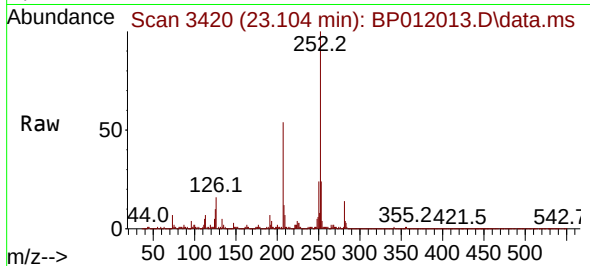
Tgt Ion:252 Resp: 1237041
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 11.9 9.2 13.8





#91
Benzo(k)fluoranthene
Concen: 5.035 ng/ul m
RT: 23.104 min Scan# 3420
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

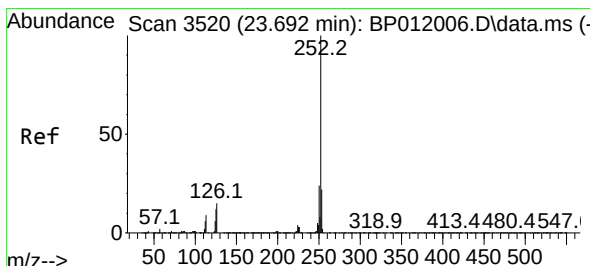
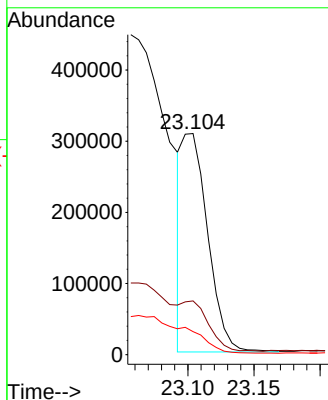
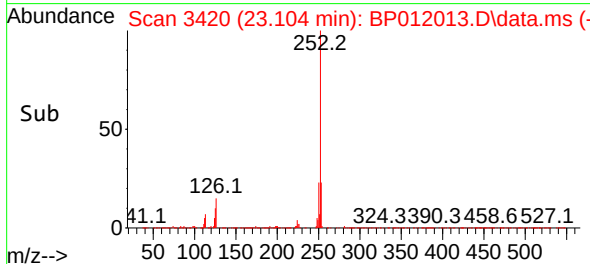
Instrument :
BNA_P
ClientSampleId :
E10008DL



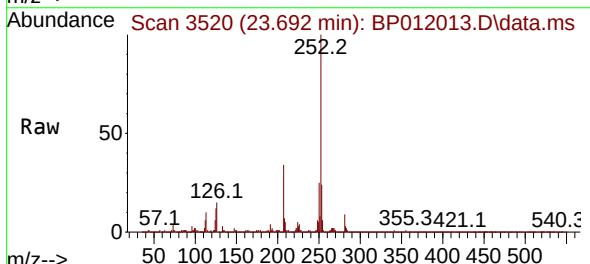
Tgt Ion:252 Resp: 41055
Ion Ratio Lower Upper
252 100
253 24.3 18.0 27.0
125 10.4 9.2 13.8

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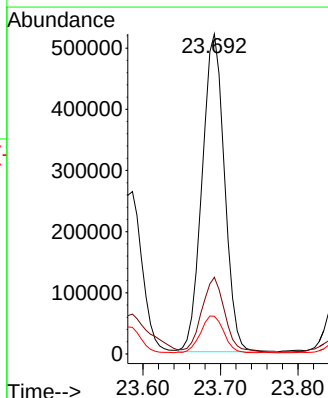
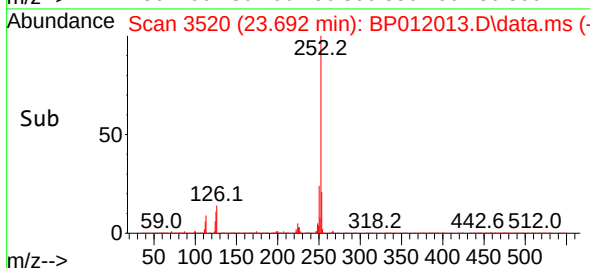
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022

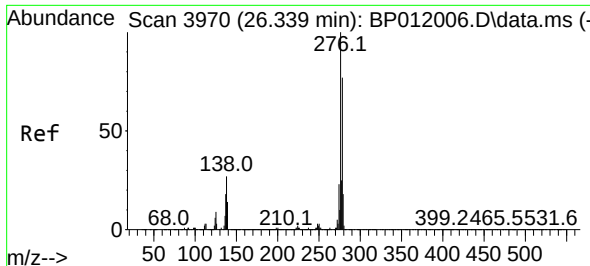


#93
Benzo(a)pyrene
Concen: 13.761 ng/ul
RT: 23.692 min Scan# 3520
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53



Tgt Ion:252 Resp: 1039962
Ion Ratio Lower Upper
252 100
253 24.0 17.7 26.5
125 11.8 9.8 14.8





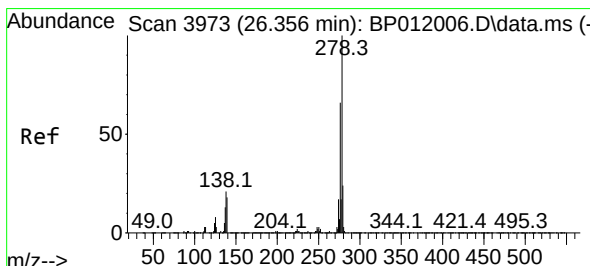
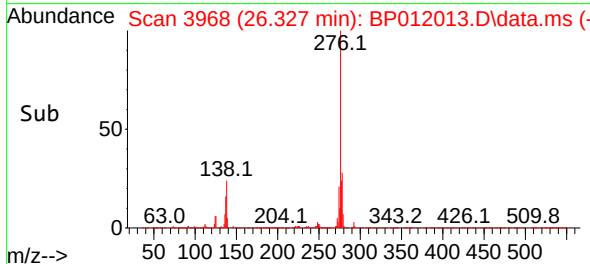
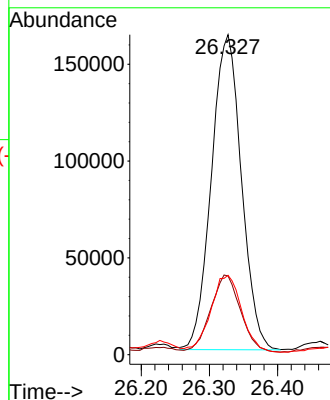
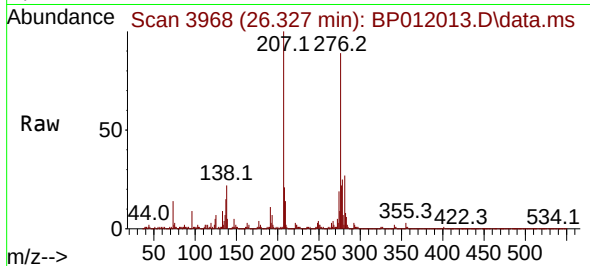
#94
Indeno(1,2,3-cd)pyrene
Concen: 5.178 ng/ul
RT: 26.327 min Scan# 3968
Delta R.T. 0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

Instrument :
BNA_P
ClientSampleId :
E10008DL

Tgt Ion: 276 Resp: 49811
Ion Ratio Lower Upper
276 100
138 24.6 21.4 32.0
277 24.8 19.9 29.9

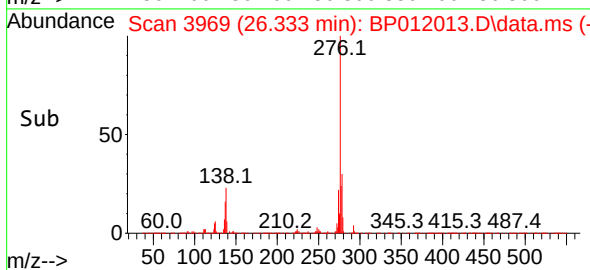
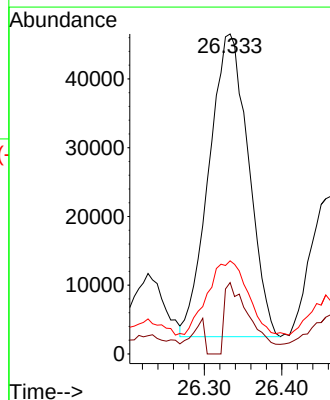
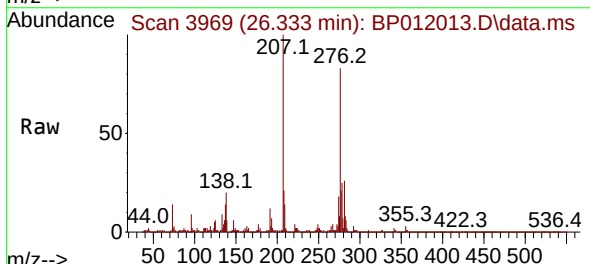
Manual Integrations
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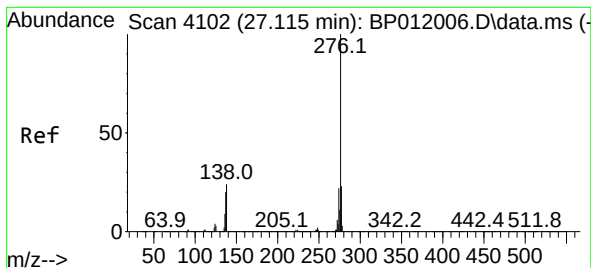
Reviewed By : Jagrut Upadhyay 10/10/2022
Supervised By : mohammad ahmed 10/10/2022



#95
Dibenzo(a,h)anthracene
Concen: 1.822 ng/ul
RT: 26.333 min Scan# 3969
Delta R.T. -0.006 min
Lab File: BP012013.D
Acq: 07 Oct 2022 17:53

Tgt Ion: 278 Resp: 155684
Ion Ratio Lower Upper
278 100
139 22.3 15.0 22.6
279 29.1 19.0 28.6#





#96

Benzo(g,h,i)perylene

Concen: 5.001 ng/ul

RT: 27.110 min Scan# 41

Delta R.T. 0.012 min

Lab File: BP012013.D

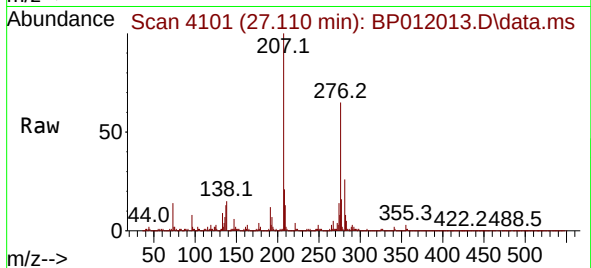
Acq: 07 Oct 2022 17:53

Instrument :

BNA_P

ClientSampleId :

E10008DL



Tgt Ion:276 Resp: 426490

Ion Ratio Lower Upper

276 100

138 23.5 19.8 29.6

277 24.8 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/10/2022

Supervised By :mohammad ahmed 10/10/2022

