

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100522\
 Data File : BP012008.D
 Acq On : 07 Oct 2022 14:22
 Operator : CG/JU
 Sample : N4923-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E10012

Manual Integrations
 APPROVED

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

Quant Time: Oct 07 23:08:13 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	214799	20.000	ng/u1	0.00
20) Naphthalene-d8	10.686	136	885300	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.522	164	521747	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.280	188	1094301	20.000	ng/u1	0.00
79) Chrysene-d12	21.368	240	1083666	20.000	ng/u1	0.00
88) Perylene-d12	23.803	264	1132966	20.000	ng/u1	0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.293	96	19578	4.020	ng/uL	0.00
4) Pyridine-d5	3.734	84	66255	4.644	ng/u1	0.02
7) Phenol-d5	7.045	99	117229	6.322	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.210	67	320774	31.208	ng/u1	0.00
11) 2-Chlorophenol-d4	7.404	132	351425	24.007	ng/u1	0.00
15) 4-Methylphenol-d8	8.587	113	210060	13.703	ng/u1	0.00
21) Nitrobenzene-d5	9.045	128	234358	34.755	ng/u1	0.00
24) 2-Nitrophenol-d4	9.769	143	227639	31.553	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.304	165	369760	27.709	ng/u1	0.00
31) 4-Chloroaniline-d4	10.828	131	325587	16.004	ng/u1	0.00
46) Dimethylphthalate-d6	13.933	166	1277315	34.235	ng/u1	0.00
49) Acenaphthylene-d8	14.216	160	1530498	35.983	ng/u1	0.00
54) 4-Nitrophenol-d4	14.745	143	32306	4.181	ng/u1	0.02
60) Fluorene-d10	15.521	176	1180358	36.429	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.645	200	147216	22.226	ng/u1	0.01
73) Anthracene-d10	17.380	188	1851638	37.146	ng/u1	0.00
81) Pyrene-d10	19.615	212	2152119	39.214	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.645	264	2174340	38.338	ng/u1	0.01
Target Compounds	Qvalue					
8) Phenol	7.069	94	28955	1.505	ng/u1	99
30) Naphthalene	10.733	128	1126522	23.691	ng/u1	100
36) 2-Methylnaphthalene	12.345	142	36236	1.091	ng/u1	94
37) 1-Methylnaphthalene	12.563	142	485846	14.581	ng/u1	98
43) 1,1'-Biphenyl	13.357	154	137818	3.571	ng/u1	98
50) Acenaphthylene	14.245	152	471758	9.987	ng/u1	99
52) Acenaphthene	14.586	153	1152346	34.575	ng/u1	99
56) Dibenzofuran	14.922	168	941634	20.628	ng/u1	99
61) Fluorene	15.574	166	991453	26.518	ng/u1	100
72) Phenanthrene	17.327	178	3130086	52.048	ng/u1	100
74) Anthracene	17.416	178	1694847	28.010	ng/u1	99
77) Carbazole	17.692	167	721718	13.201	ng/u1	100
80) Fluoranthene	19.292	202	3540569	52.715	ng/u1	99
82) Pyrene	19.645	202	2632117	37.639	ng/u1	98
85) Benzo(a)anthracene	21.356	228	1622197m	22.891	ng/u1	
87) Chrysene	21.409	228	1622883	24.402	ng/u1	98
90) Benzo(b)fluoranthene	23.062	252	2016866	27.891	ng/u1	100
91) Benzo(k)fluoranthene	23.103	252	709782m	10.193	ng/u1	
93) Benzo(a)pyrene	23.698	252	1660753	25.735	ng/u1	98
94) Indeno(1,2,3-cd)pyrene	26.327	276	967100	11.774	ng/u1	98
95) Dibenzo(a,h)anthracene	26.344	278	262383	3.596	ng/u1	96
96) Benzo(g,h,i)perylene	27.109	276	836529	11.487	ng/u1	99

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

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

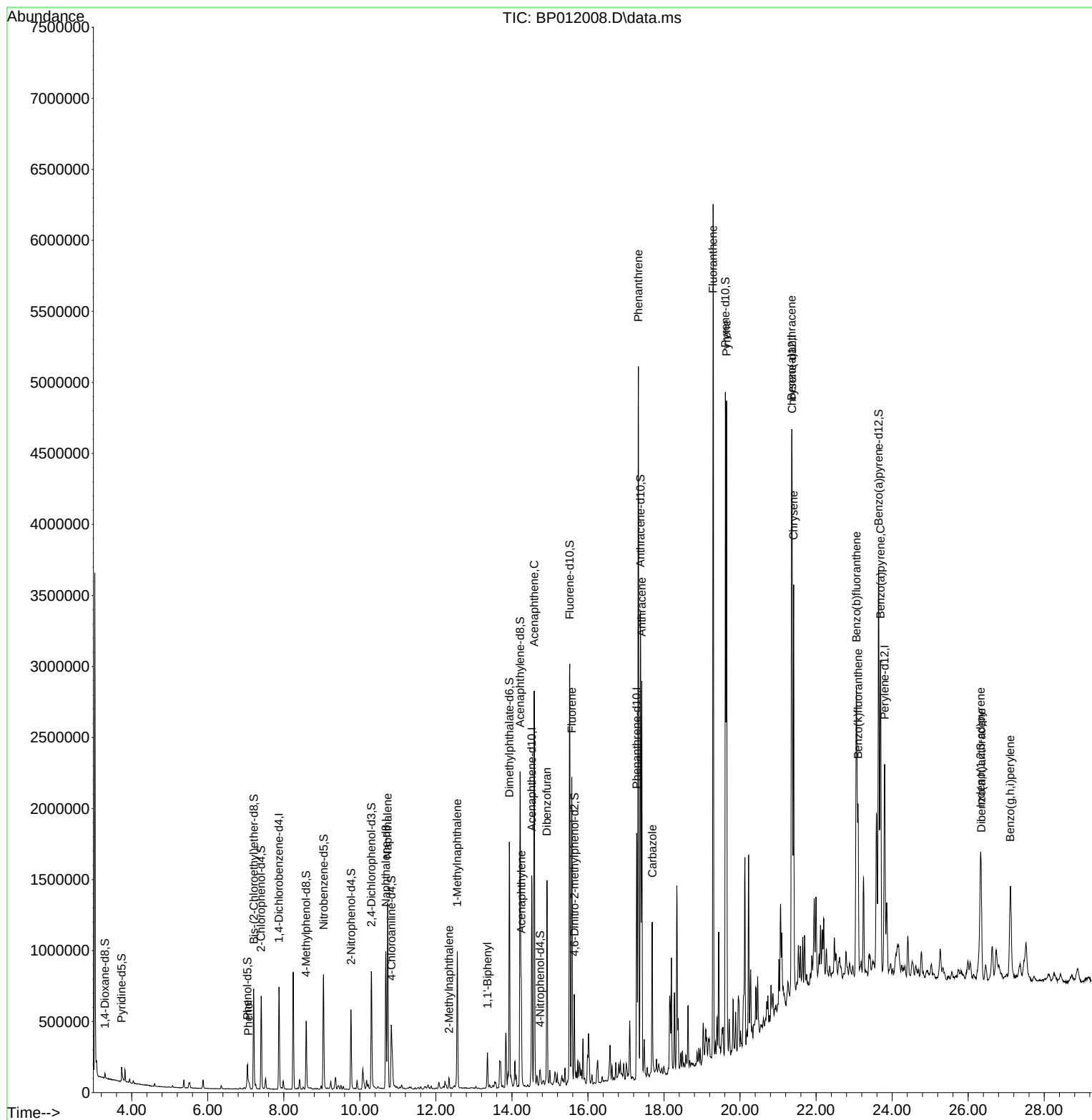
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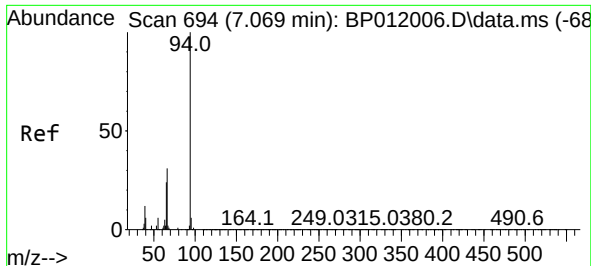
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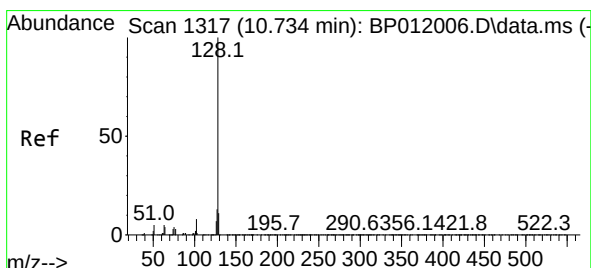
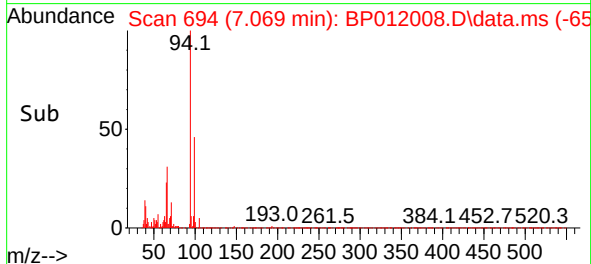
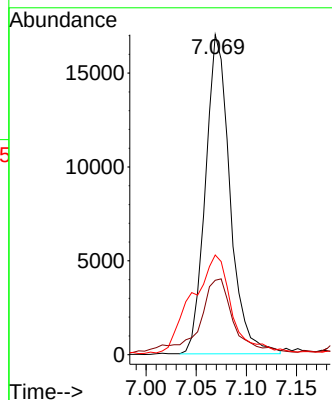
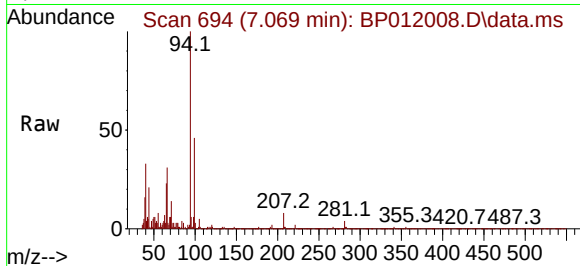
#8
Phenol
Concen: 1.505 ng/ul
RT: 7.069 min Scan# 694
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

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ClientSampleId :
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Tgt Ion: 94 Resp: 2895
Ion Ratio Lower Upper
94 100
65 23.2 19.5 29.3
66 31.1 25.0 37.4

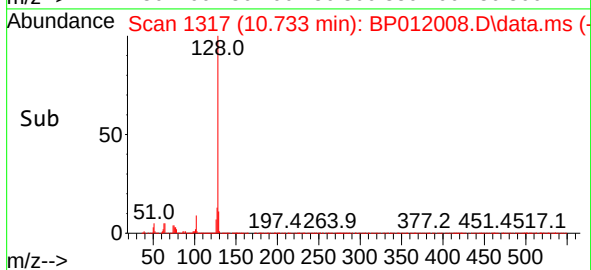
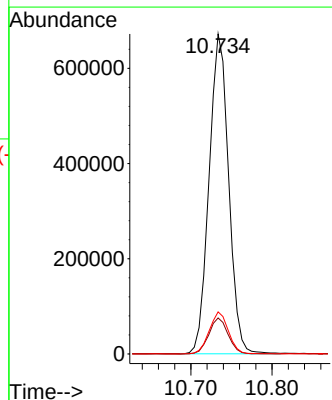
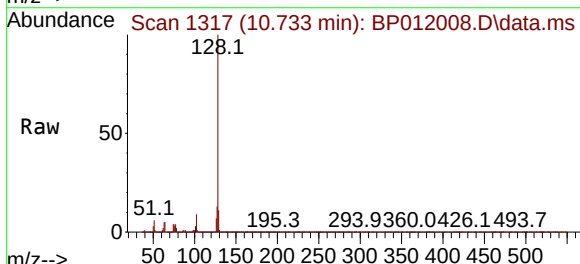
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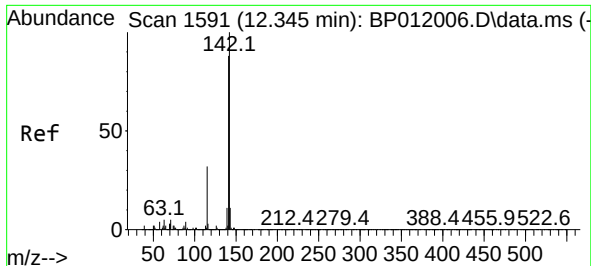
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#30
Naphthalene
Concen: 23.691 ng/ul
RT: 10.733 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

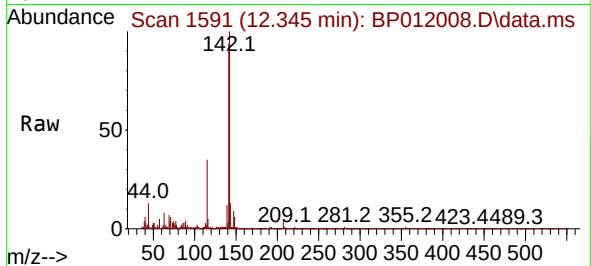
Tgt Ion:128 Resp: 1126522
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.1 10.5 15.7





#36
2-Methylnaphthalene
Concen: 1.091 ng/ul
RT: 12.345 min Scan# 1591
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

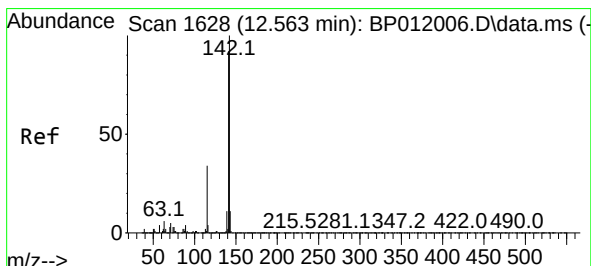
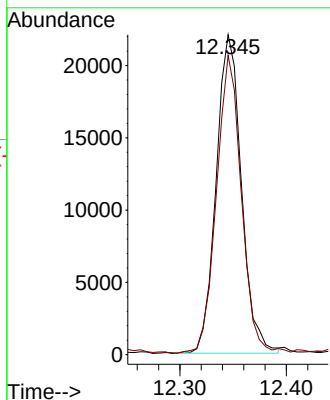
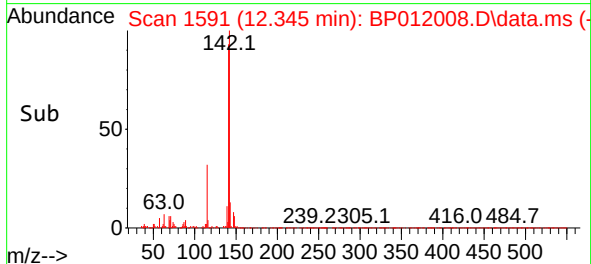
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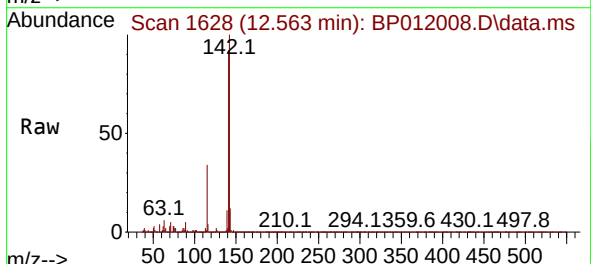
Tgt Ion:142 Resp: 36230
Ion Ratio Lower Upper
142 100
141 93.5 70.6 106.0

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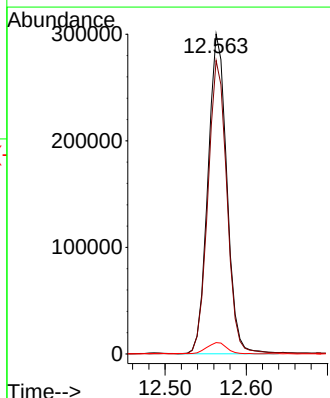
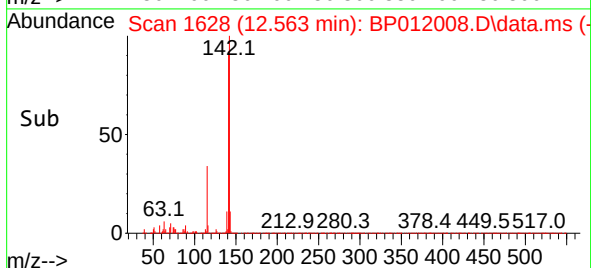
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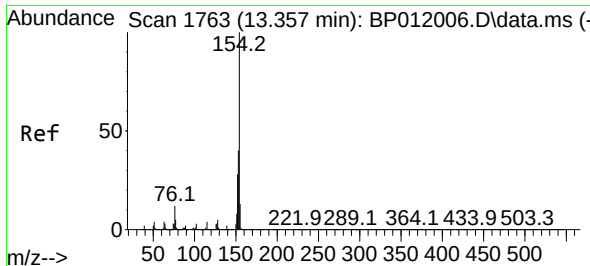


#37
1-Methylnaphthalene
Concen: 14.581 ng/ul
RT: 12.563 min Scan# 1628
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22



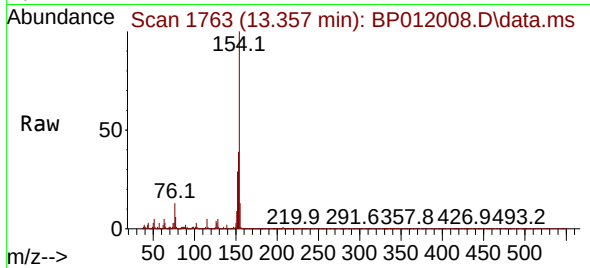
Tgt Ion:142 Resp: 485846
Ion Ratio Lower Upper
142 100
141 91.7 74.8 112.2
116 3.6 2.9 4.3





#43
1,1'-Biphenyl
Concen: 3.571 ng/ul
RT: 13.357 min Scan# 1763
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

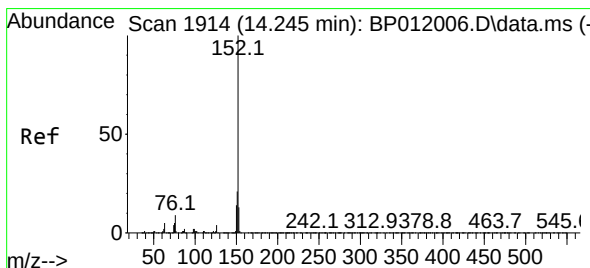
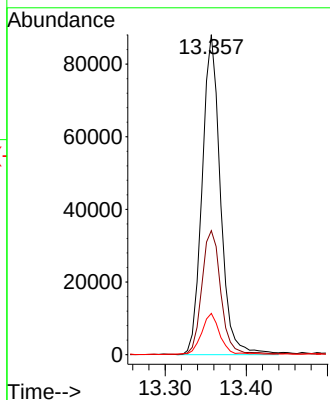
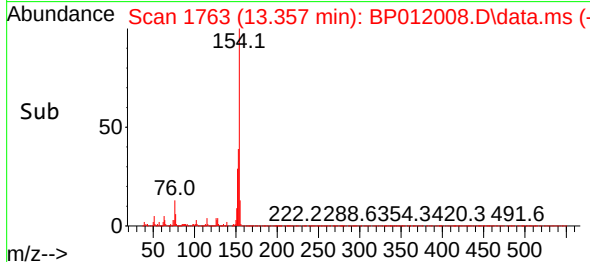
Instrument :
BNA_P
ClientSampleId :
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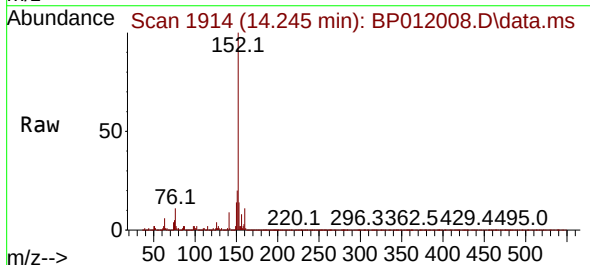
Tgt Ion:154 Resp: 137818
Ion Ratio Lower Upper
154 100
153 38.7 31.8 47.6
76 12.9 9.5 14.3

Manual Integrations
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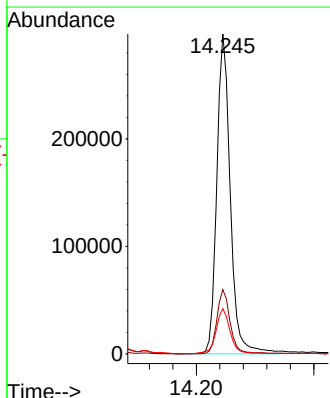
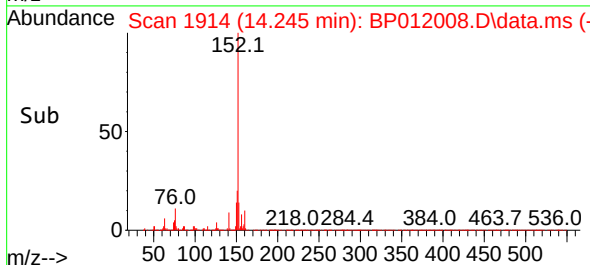
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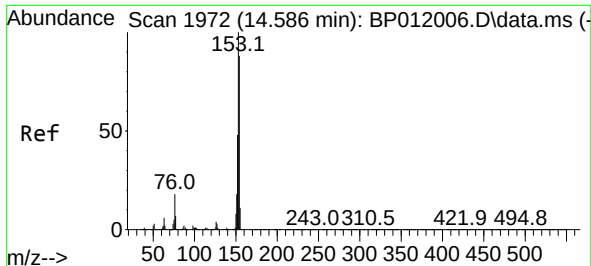


#50
Acenaphthylene
Concen: 9.987 ng/ul
RT: 14.245 min Scan# 1914
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22



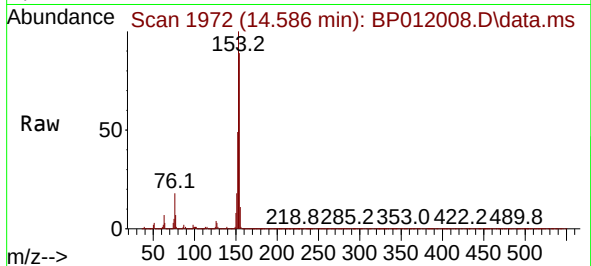
Tgt Ion:152 Resp: 471758
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 14.2 10.8 16.2





#52
Acenaphthene
Concen: 34.575 ng/ul
RT: 14.586 min Scan# 1972
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

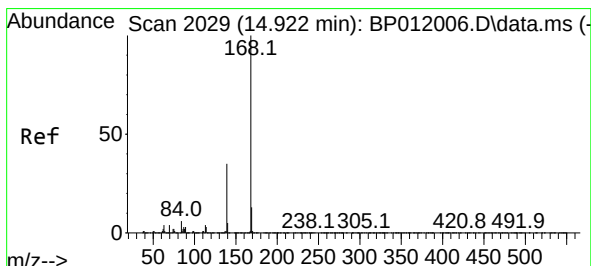
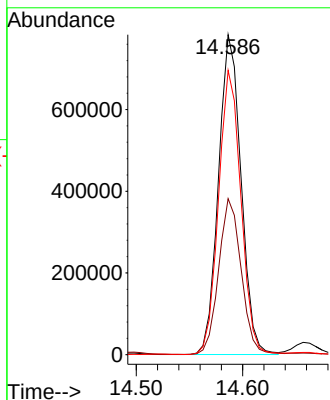
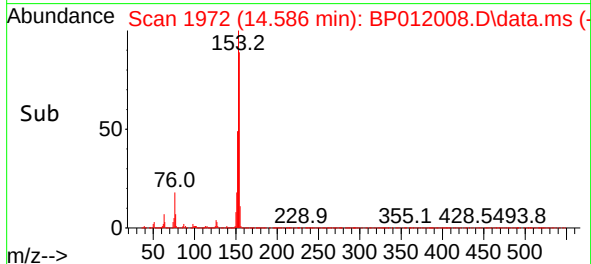
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Tgt Ion:153 Resp: 1152340
Ion Ratio Lower Upper
153 100
152 48.7 38.4 57.6
154 88.8 70.6 105.8

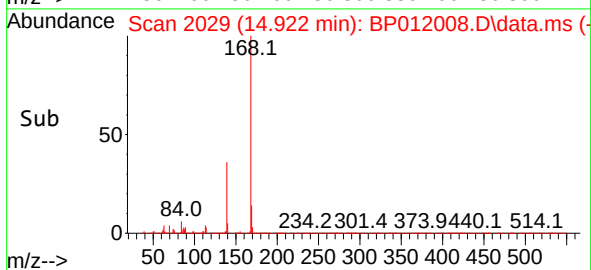
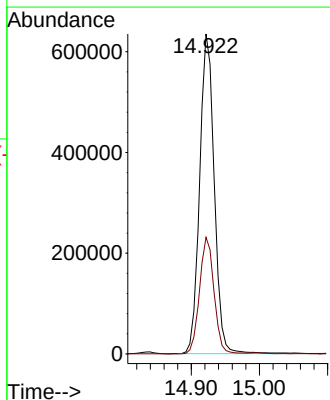
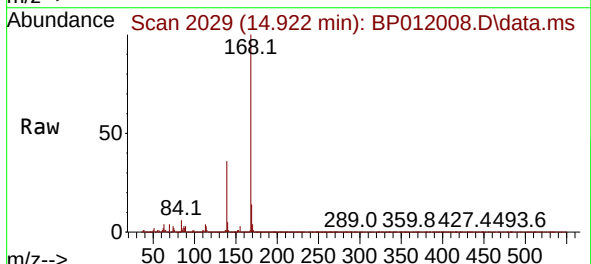
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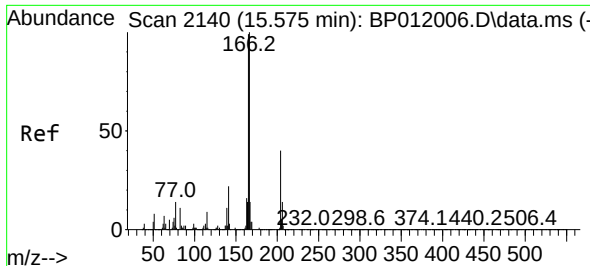
Reviewed By :Jagrut Upadhyay 10/10/2022
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#56
Dibenzofuran
Concen: 20.628 ng/ul
RT: 14.922 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

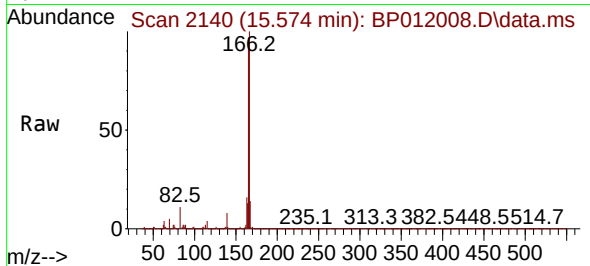
Tgt Ion:168 Resp: 941634
Ion Ratio Lower Upper
168 100
139 36.4 29.4 44.2





#61
Fluorene
Concen: 26.518 ng/ul
RT: 15.574 min Scan# 2140
Delta R.T. -0.000 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

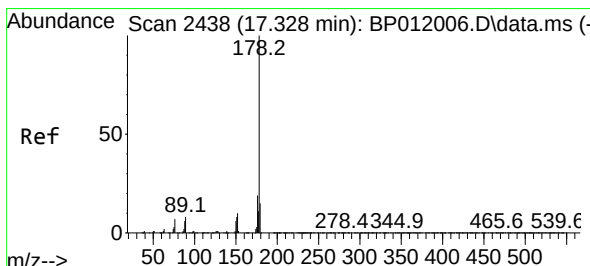
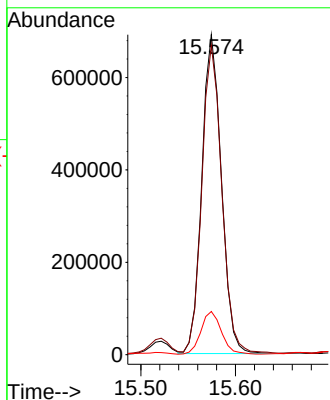
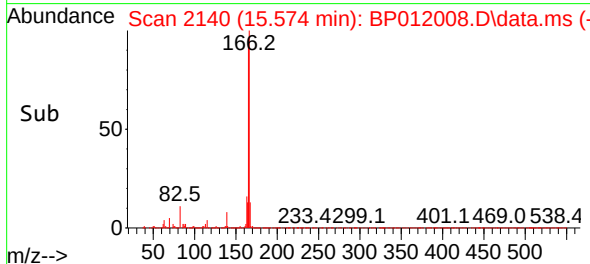
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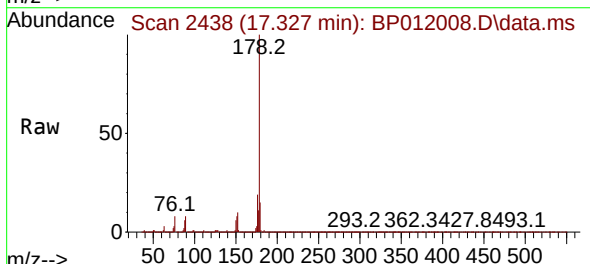
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Ion Ratio Lower Upper
166 100
165 96.6 77.2 115.8
167 13.5 10.7 16.1

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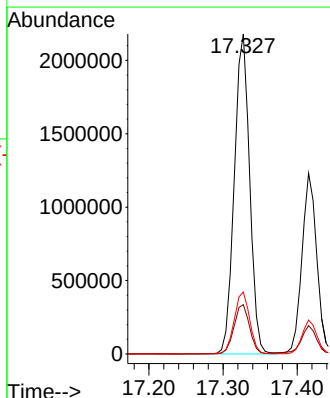
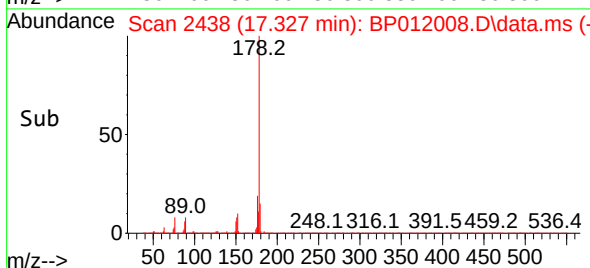
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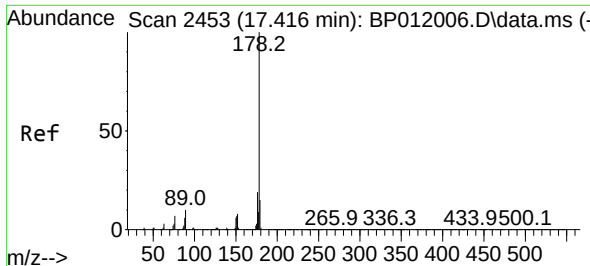


#72
Phenanthrene
Concen: 52.048 ng/ul
RT: 17.327 min Scan# 2438
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22



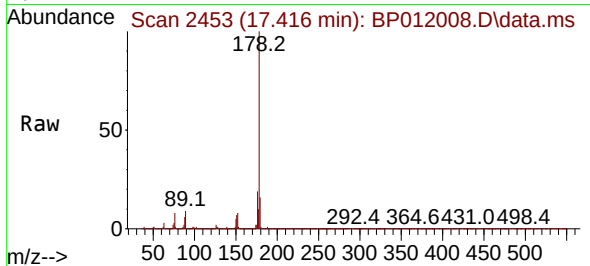
Tgt Ion:178 Resp: 3130086
Ion Ratio Lower Upper
178 100
179 15.4 12.5 18.7
176 19.3 15.4 23.2





#74
 Anthracene
 Concen: 28.010 ng/ul
 RT: 17.416 min Scan# 2453
 Delta R.T. 0.006 min
 Lab File: BP012008.D
 Acq: 07 Oct 2022 14:22

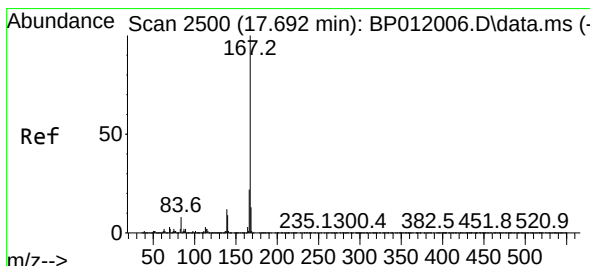
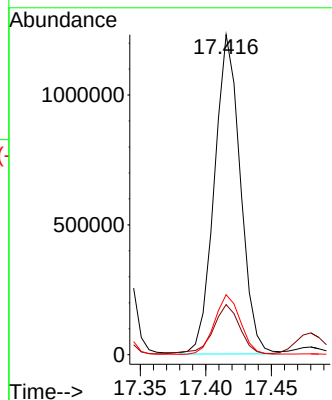
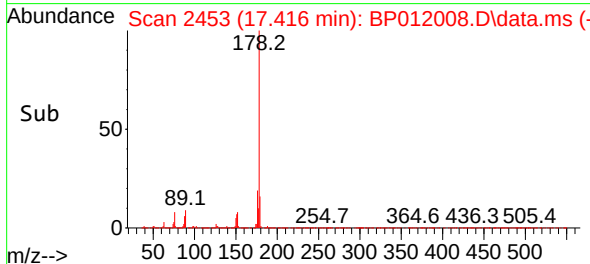
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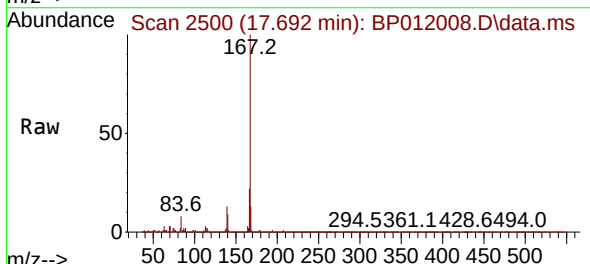
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 Ion Ratio Lower Upper
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 179 15.7 12.3 18.5
 176 18.8 15.4 23.2

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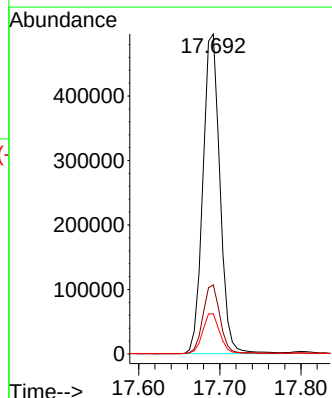
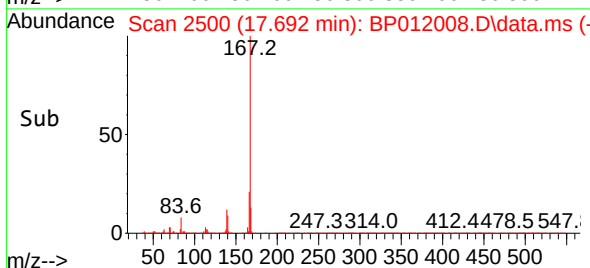
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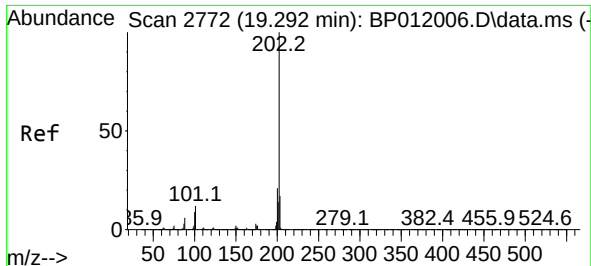


#77
 Carbazole
 Concen: 13.201 ng/ul
 RT: 17.692 min Scan# 2500
 Delta R.T. 0.006 min
 Lab File: BP012008.D
 Acq: 07 Oct 2022 14:22



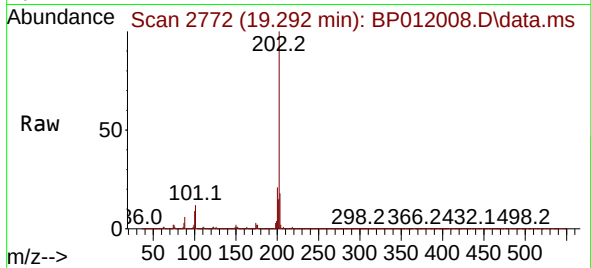
Tgt Ion:167 Resp: 721718
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 12.5 10.1 15.1





#80
Fluoranthene
Concen: 52.715 ng/u1
RT: 19.292 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

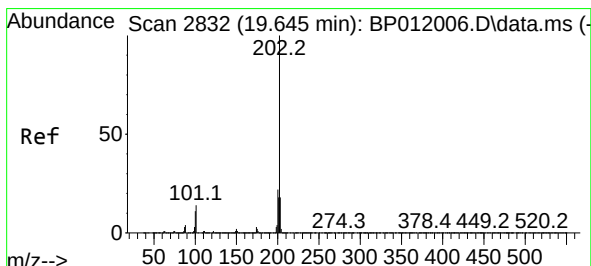
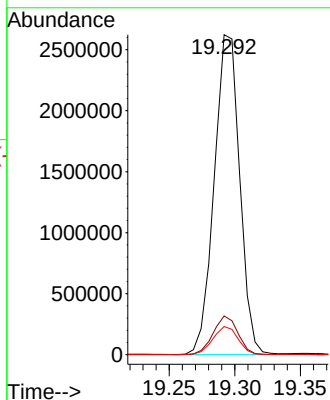
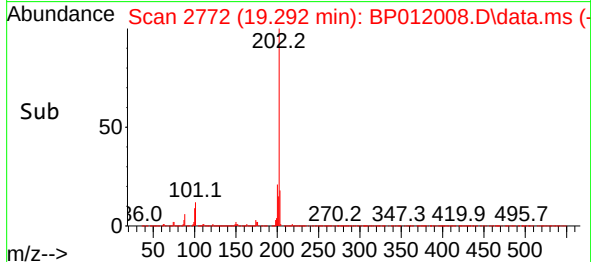
Instrument :
BNA_P
ClientSampleId :
E10012



Tgt Ion:202 Resp: 3540569
Ion Ratio Lower Upper
202 100
101 12.1 9.8 14.6
100 8.8 7.4 11.0

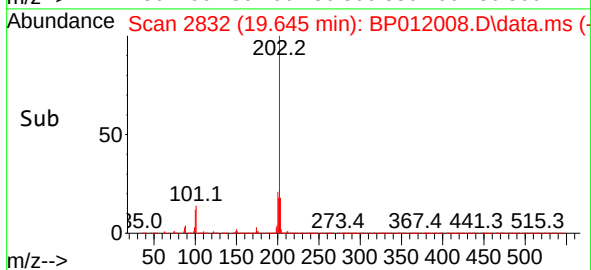
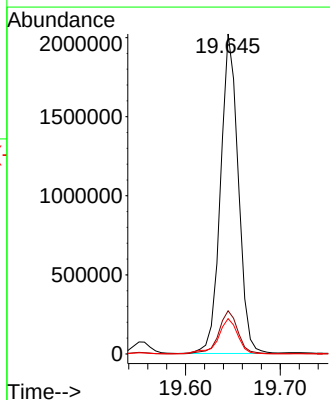
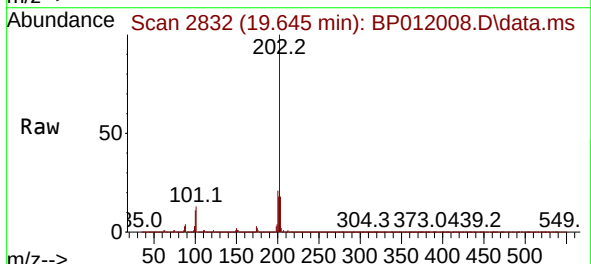
Manual Integrations
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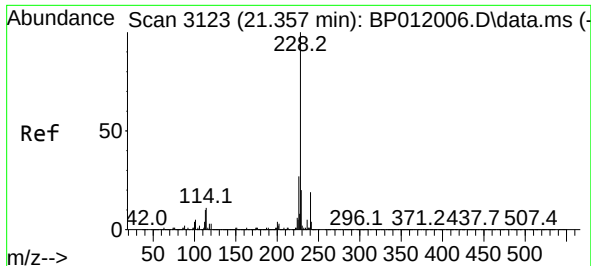
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#82
Pyrene
Concen: 37.639 ng/u1
RT: 19.645 min Scan# 2832
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

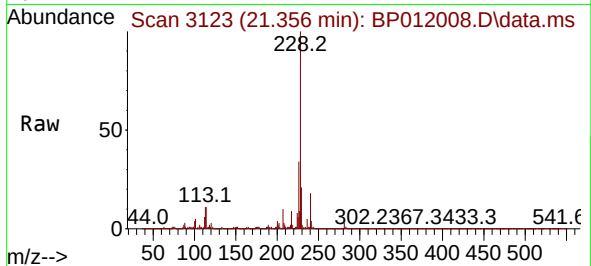
Tgt Ion:202 Resp: 2632117
Ion Ratio Lower Upper
202 100
101 13.5 11.6 17.4
100 11.0 9.4 14.0





#85
Benzo(a)anthracene
Concen: 22.891 ng/ul m
RT: 21.356 min Scan# 3123
Delta R.T. 0.005 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

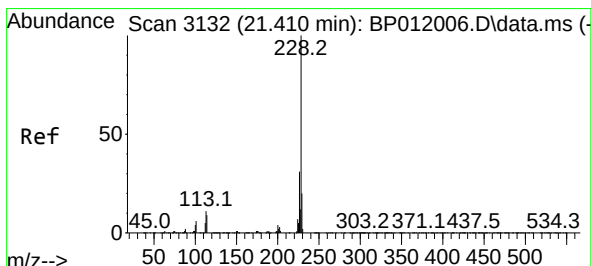
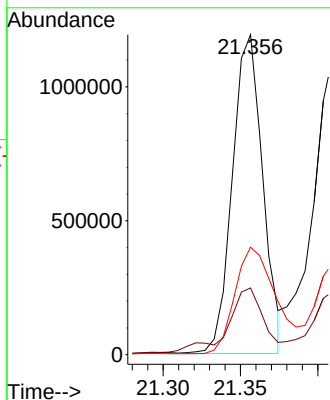
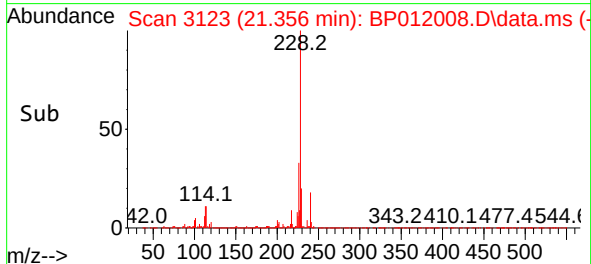
Instrument :
BNA_P
ClientSampleId :
E10012



Tgt Ion:228 Resp: 1622197
Ion Ratio Lower Upper
228 100
229 20.8 15.8 23.6
226 33.6 22.0 33.0

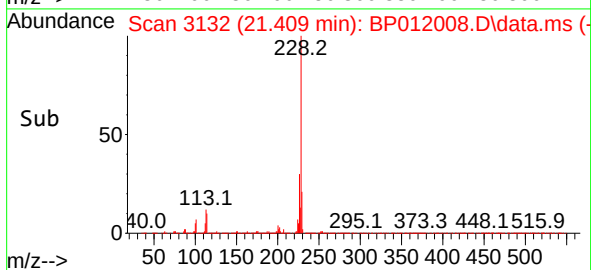
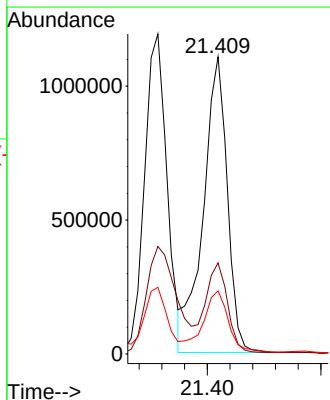
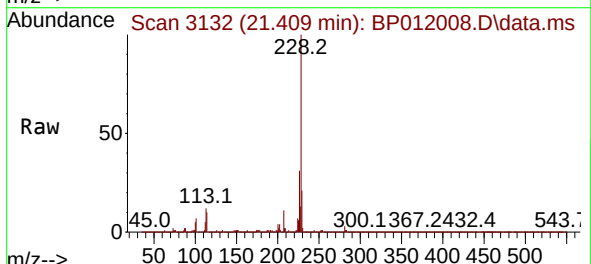
Manual Integrations
APPROVED

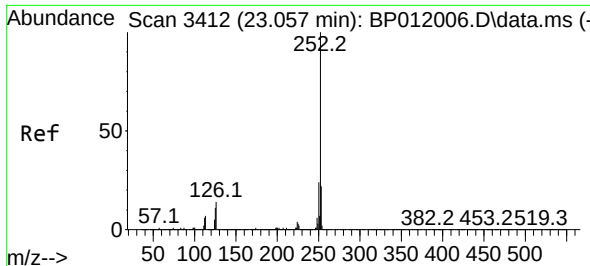
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022



#87
Chrysene
Concen: 24.402 ng/ul
RT: 21.409 min Scan# 3132
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

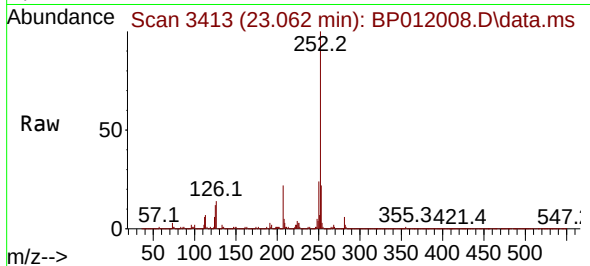
Tgt Ion:228 Resp: 1622883
Ion Ratio Lower Upper
228 100
226 30.7 25.3 37.9
229 21.2 16.2 24.2





#90
Benzo(b)fluoranthene
Concen: 27.891 ng/ul
RT: 23.062 min Scan# 3412
Delta R.T. 0.011 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

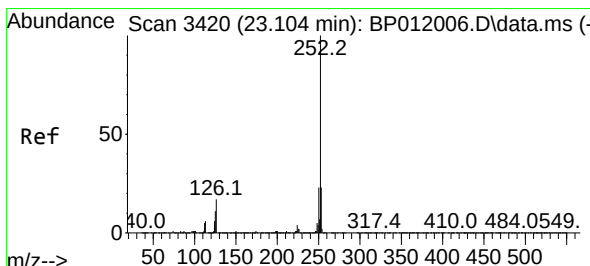
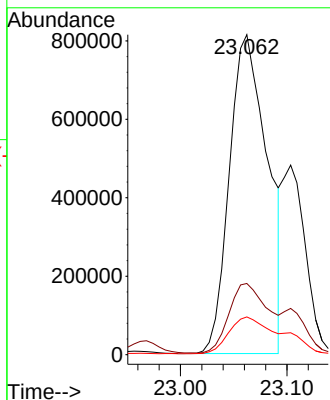
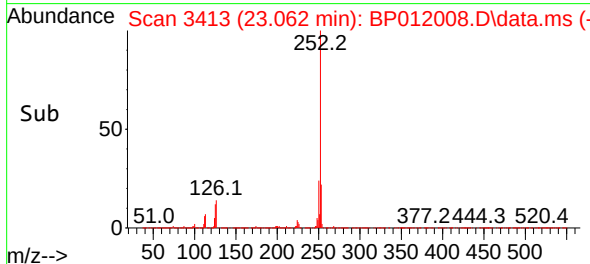
Instrument :
BNA_P
ClientSampleId :
E10012



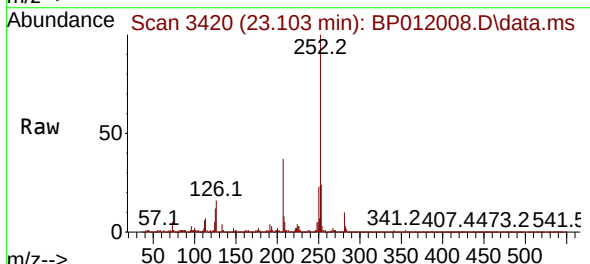
Tgt Ion:252 Resp: 201686
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 11.8 9.2 13.8

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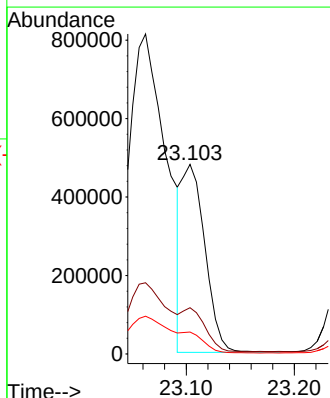
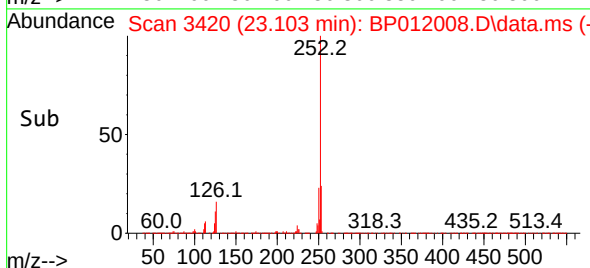
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022

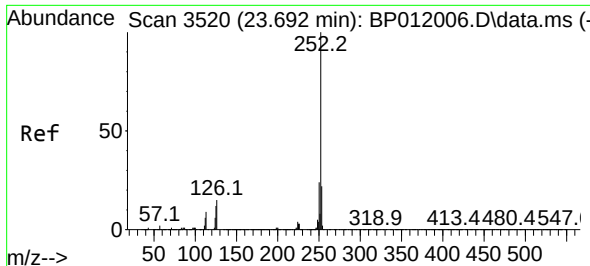


#91
Benzo(k)fluoranthene
Concen: 10.193 ng/ul m
RT: 23.103 min Scan# 3420
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22



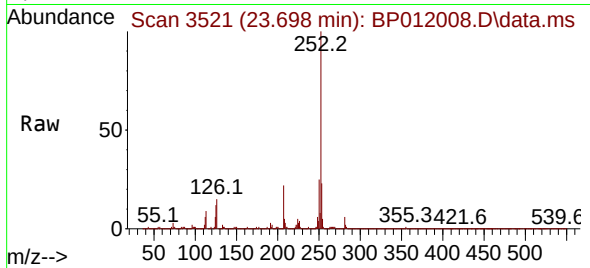
Tgt Ion:252 Resp: 709782
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 11.6 9.2 13.8





#93
Benzo(a)pyrene
Concen: 25.735 ng/ul
RT: 23.698 min Scan# 3520
Delta R.T. 0.011 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

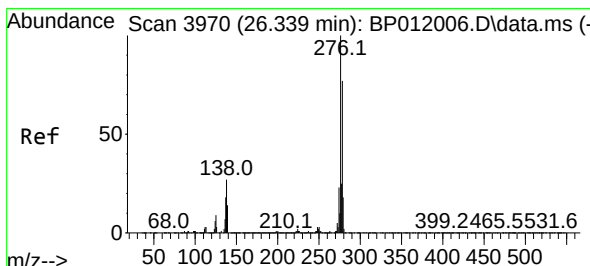
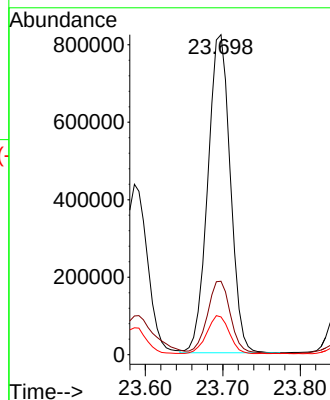
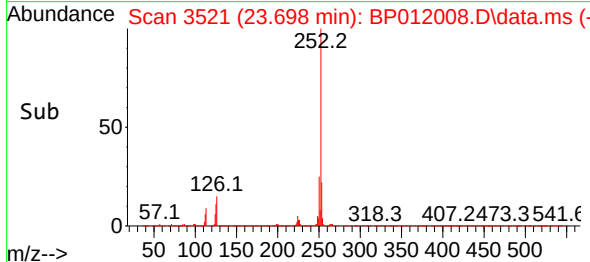
Instrument :
BNA_P
ClientSampleId :
E10012



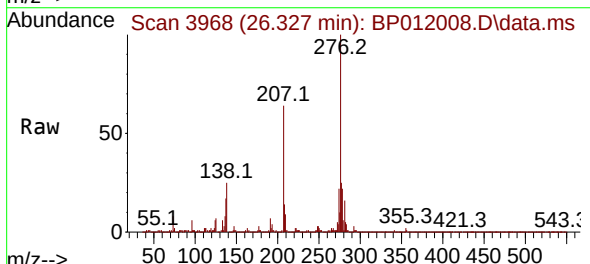
Tgt Ion:252 Resp: 166075
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 11.8 9.8 14.8

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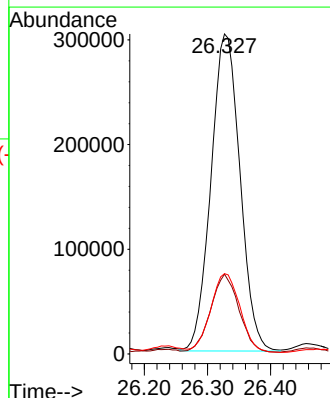
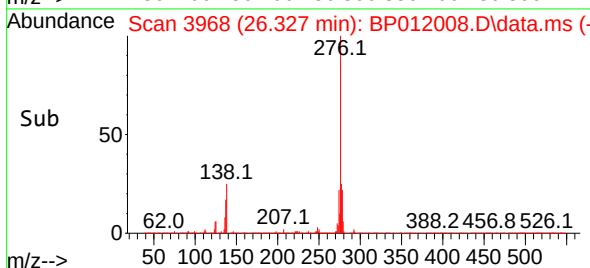
Reviewed By :Jagrut Upadhyay 10/10/2022
Supervised By :mohammad ahmed 10/10/2022

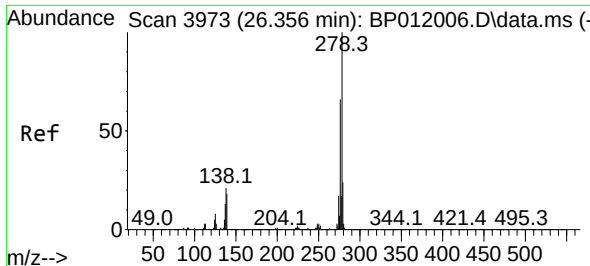


#94
Indeno(1,2,3-cd)pyrene
Concen: 11.774 ng/ul
RT: 26.327 min Scan# 3968
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22



Tgt Ion:276 Resp: 967100
Ion Ratio Lower Upper
276 100
138 24.9 21.4 32.0
277 25.1 19.9 29.9





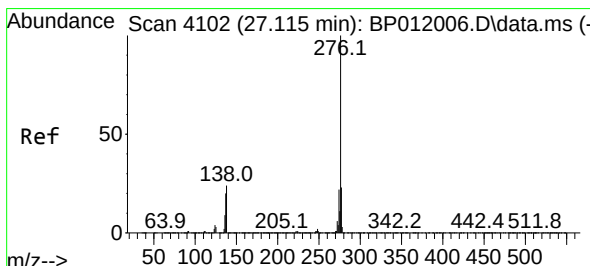
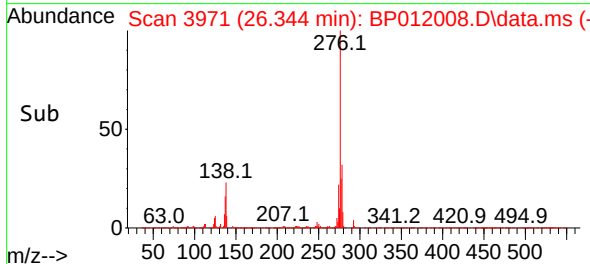
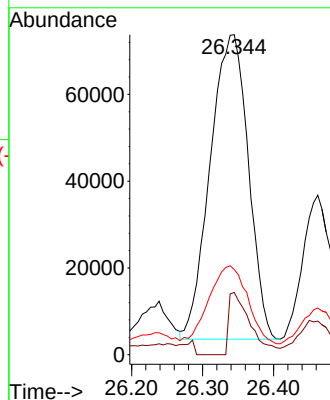
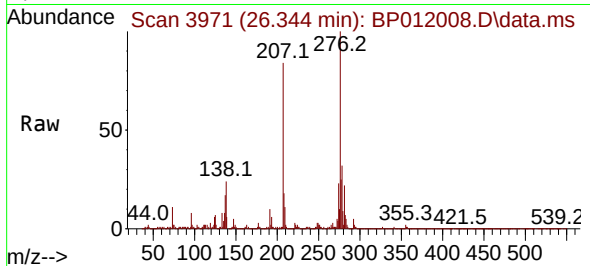
#95
Dibenzo(a,h)anthracene
Concen: 3.596 ng/ul
RT: 26.344 min Scan# 3973
Delta R.T. 0.006 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Instrument :
BNA_P
ClientSampleId :
E10012

Tgt Ion:278 Resp: 26238
Ion Ratio Lower Upper
278 100
139 19.4 15.0 22.6
279 26.6 19.0 28.6

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



#96
Benzo(g,h,i)perylene
Concen: 11.487 ng/ul
RT: 27.109 min Scan# 4101
Delta R.T. 0.011 min
Lab File: BP012008.D
Acq: 07 Oct 2022 14:22

Tgt Ion:276 Resp: 836529
Ion Ratio Lower Upper
276 100
138 23.8 19.8 29.6
277 23.8 18.6 27.8

