

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111021\
 Data File : BP007940.D
 Acq On : 11 Nov 2021 02:44
 Operator : CG/JU
 Sample : M4602-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 R-LA-5/6-WC

Quant Time: Nov 11 10:21:51 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 09 10:45:24 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/11/2021
 Supervised By :mohammad ahmed 11/11/2021

Supervised By :mohammad
 ahmed
 11/11/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.852	152	130904	20.000	ng	-0.01
21) Naphthalene-d8	10.652	136	433396	20.000	ng	-0.01
39) Acenaphthene-d10	14.487	164	277547	20.000	ng	-0.02
64) Phenanthrene-d10	17.245	188	620202	20.000	ng	#-0.01
76) Chrysene-d12	21.339	240	772841	20.000	ng	#-0.01
86) Perylene-d12	23.745	264	908066	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1126915	145.998	ng	0.00
7) Phenol-d6	7.034	99	1334194	119.423	ng	0.00
23) Nitrobenzene-d5	9.010	82	773783	95.907	ng	-0.02
42) 2,4,6-Tribromophenol	15.981	330	601238	151.790	ng	-0.02
45) 2-Fluorobiphenyl	13.116	172	1690616	88.706	ng	-0.01
79) Terphenyl-d14	19.810	244	2872231	75.678	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.699	128	213917	9.757	ng	98
37) 2-Methylnaphthalene	12.310	142	41171	2.546	ng	96
52) Acenaphthene	14.551	154	106000	7.176	ng	98
55) Dibenzofuran	14.887	168	82906	3.318	ng	98
58) Fluorene	15.540	166	106873	5.639	ng	99
71) Phenanthrene	17.286	178	1800548	55.225	ng	100
72) Anthracene	17.381	178	380852	11.870	ng	100
73) Carbazole	17.651	167	277278	8.694	ng	98
75) Fluoranthene	19.263	202	3489856	84.852	ng	96
78) Pyrene	19.610	202	3375022	71.201	ng	99
81) Benzo(a)anthracene	21.322	228	2281318	44.806	ng	99
83) Chrysene	21.374	228	2531095	52.512	ng	97
87) Indeno(1,2,3-cd)pyrene	26.257	276	1486858	21.967	ng	# 92
88) Benzo(b)fluoranthene	23.021	252	3395070	63.426	ng	# 96
89) Benzo(k)fluoranthene	23.063	252	1025468m	19.302	ng	
90) Benzo(a)pyrene	23.645	252	2387024m	51.501	ng	
91) Dibenzo(a,h)anthracene	26.268	278	463239m	8.257	ng	
92) Benzo(g,h,i)perylene	27.033	276	1489314	26.760	ng	96

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

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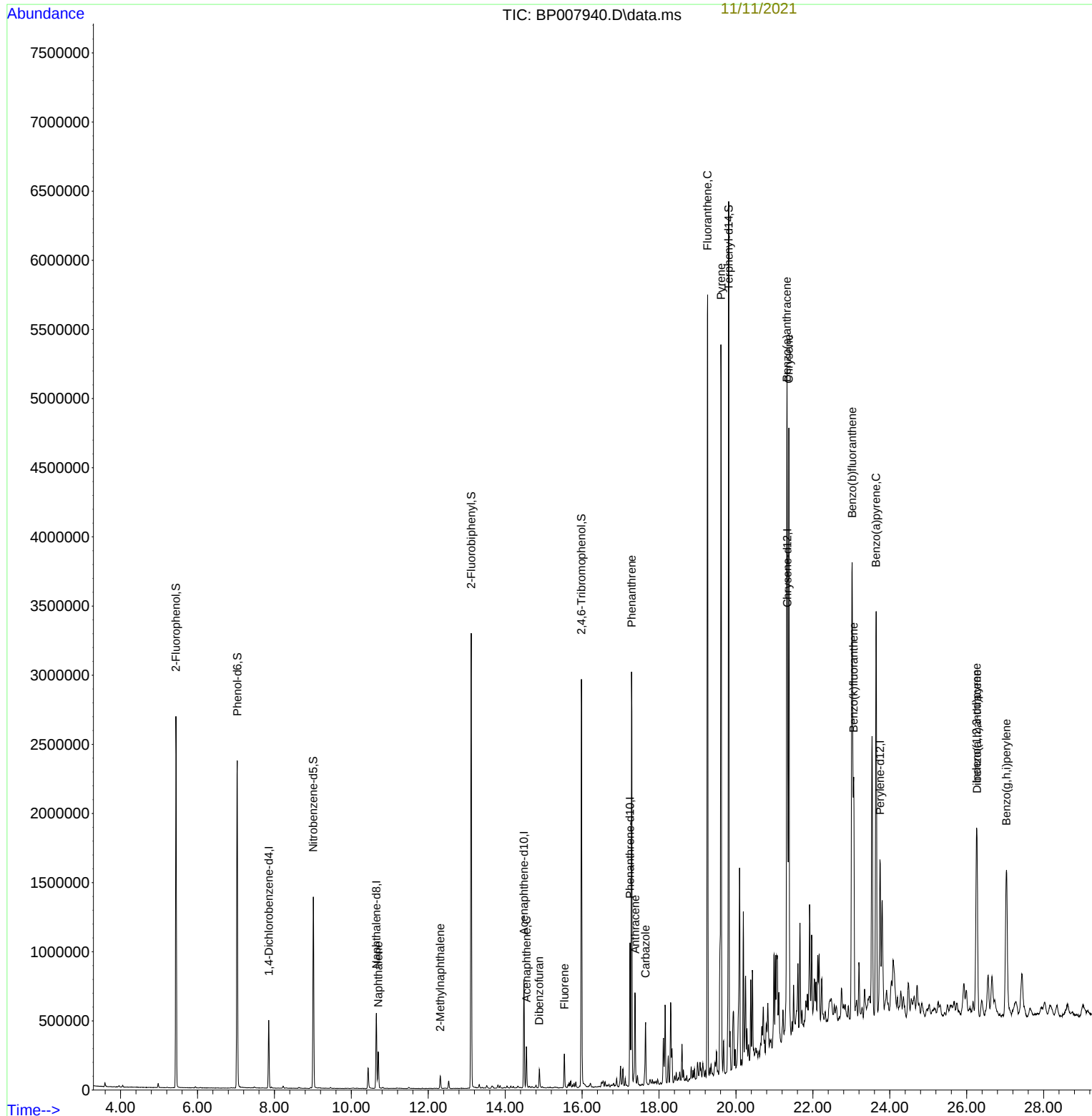
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

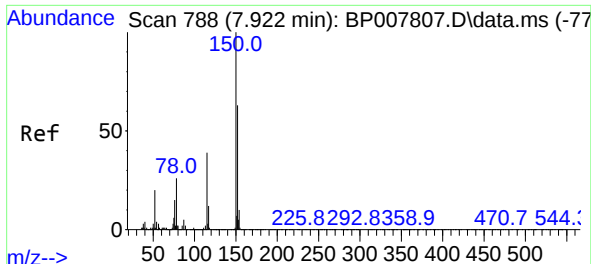
Quant Time: Nov 11 10:21:51 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
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ahmed
11/11/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.852 min Scan# 71
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

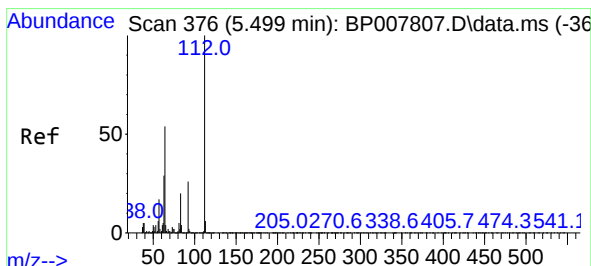
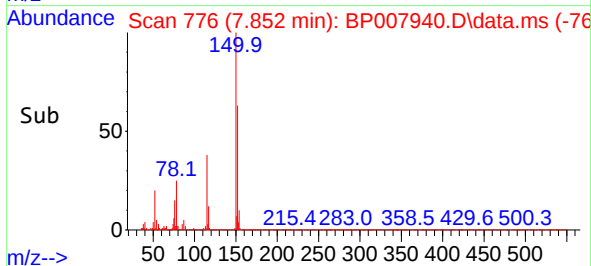
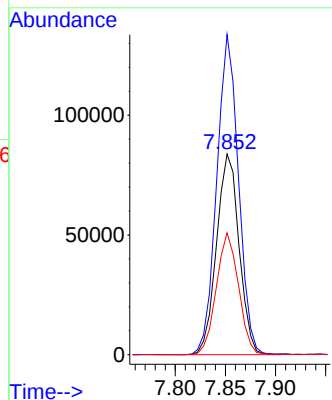
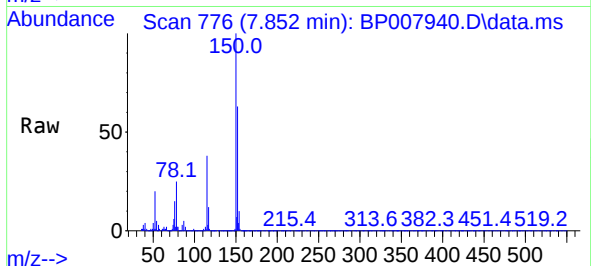
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Tgt Ion:152 Resp: 130904
Ion Ratio Lower Upper
152 100
150 159.5 124.1 186.1
115 60.8 48.1 72.1

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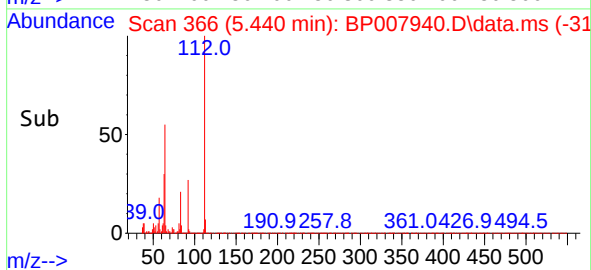
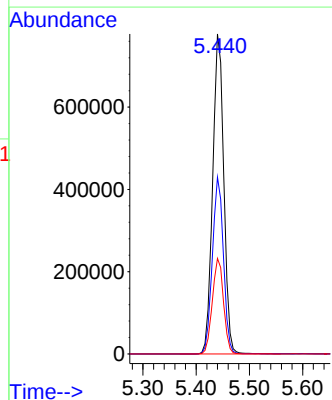
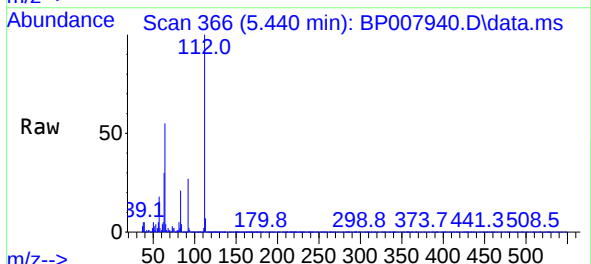
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ahmed
11/11/2021



#5
2-Fluorophenol
Concen: 145.998 ng
RT: 5.440 min Scan# 366
Delta R.T. -0.006 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:112 Resp: 1126915
Ion Ratio Lower Upper
112 100
64 55.3 46.6 70.0
63 29.9 25.0 37.6





#7
Phenol-d6
Concen: 119.423 ng
RT: 7.034 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

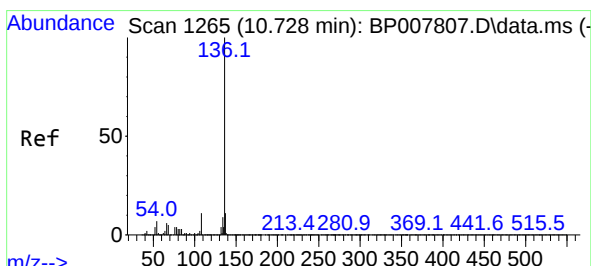
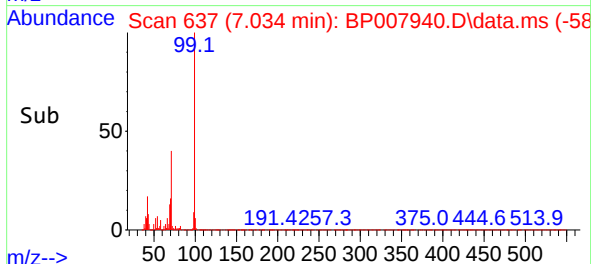
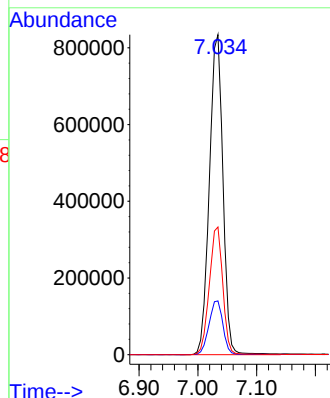
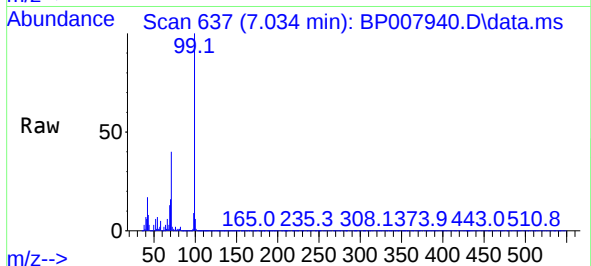
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Tgt Ion: 99 Resp: 1334194
Ion Ratio Lower Upper
99 100
42 16.8 14.9 22.3
71 39.9 29.2 43.8

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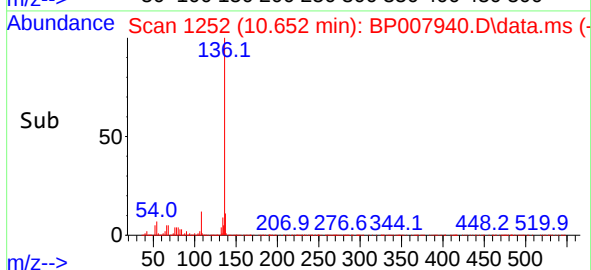
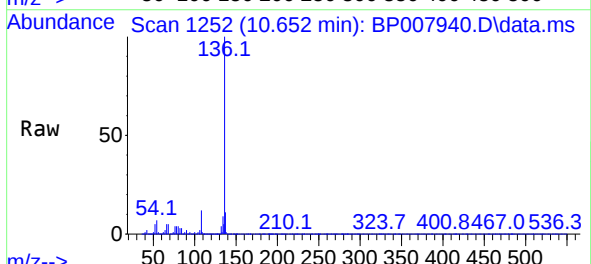
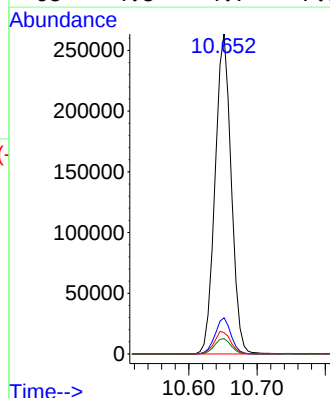
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

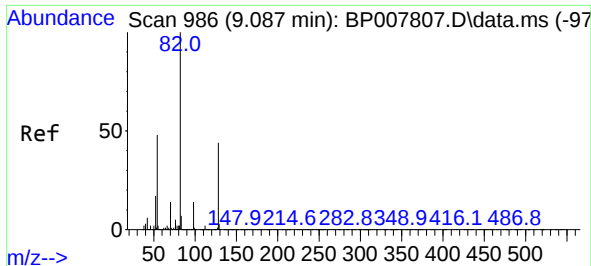
Supervised By :mohammad
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11/11/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1252
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:136 Resp: 433396
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 6.6 6.2 9.4
68 4.8 4.7 7.1





#23
Nitrobenzene-d5
Concen: 95.907 ng
RT: 9.010 min Scan# 91
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

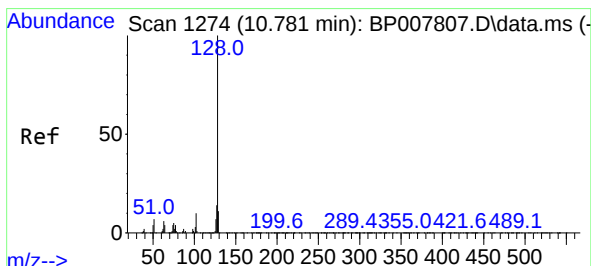
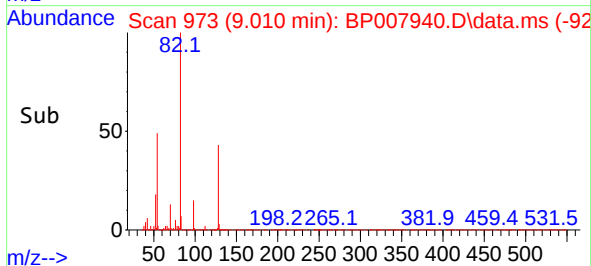
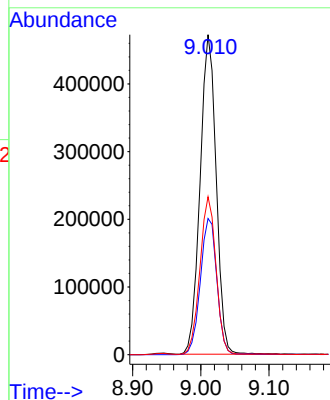
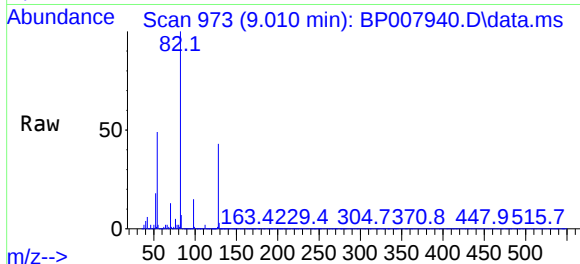
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

Tgt Ion: 82 Resp: 77378
Ion Ratio Lower Upper
82 100
128 42.6 32.6 48.8
54 49.3 40.4 60.6

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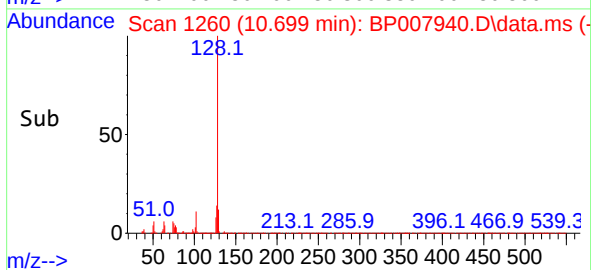
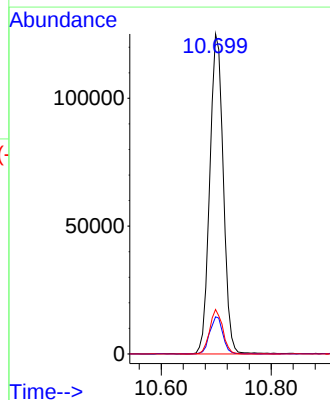
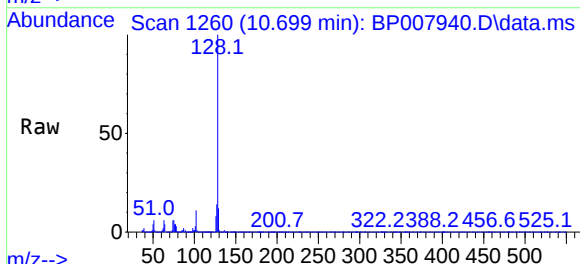
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Supervised By :mohammad ahmed 11/11/2021

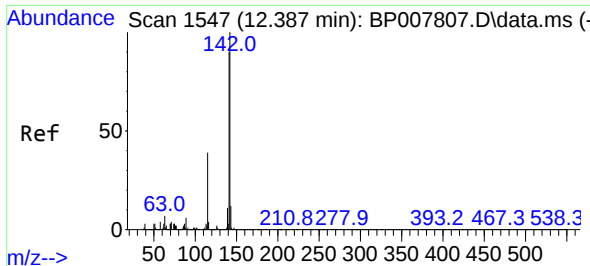
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11/11/2021



#31
Naphthalene
Concen: 9.757 ng
RT: 10.699 min Scan# 1260
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:128 Resp: 213917
Ion Ratio Lower Upper
128 100
129 11.6 8.9 13.3
127 13.9 10.2 15.4





#37
2-Methylnaphthalene
Concen: 2.546 ng
RT: 12.310 min Scan# 11
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

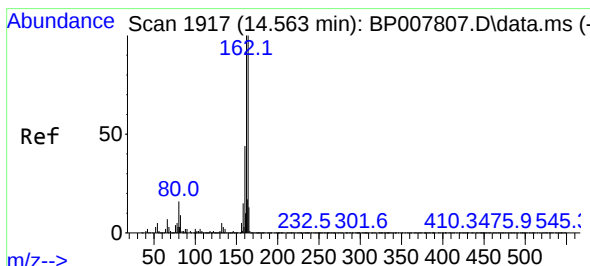
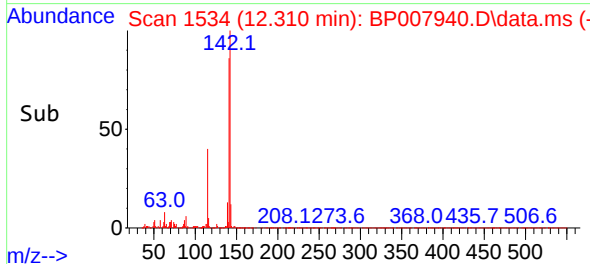
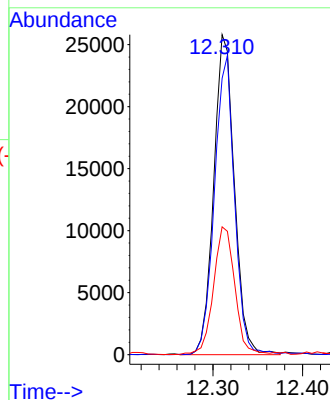
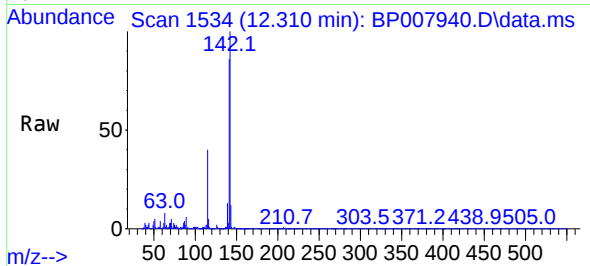
Tgt Ion:142 Resp: 4117
Ion Ratio Lower Upper
142 100
141 86.4 71.4 107.0
115 39.9 29.5 44.3

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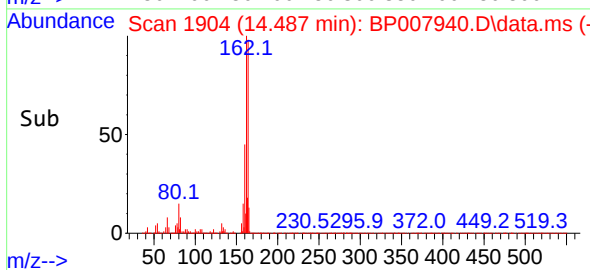
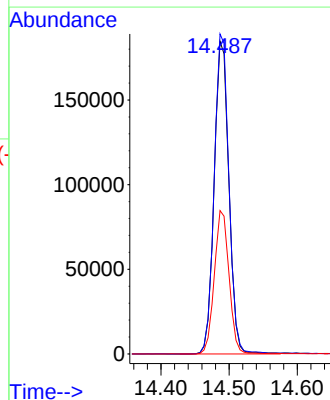
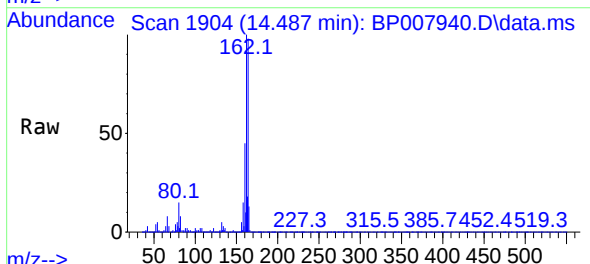
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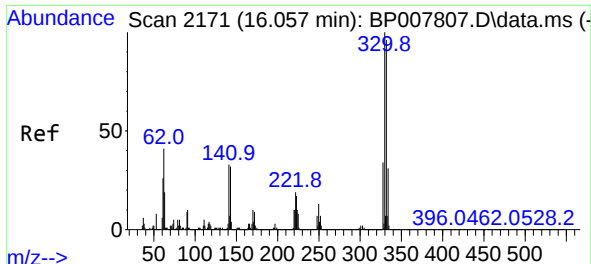
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ahmed
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1904
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:164 Resp: 277547
Ion Ratio Lower Upper
164 100
162 102.4 81.1 121.7
160 45.9 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 151.790 ng
RT: 15.981 min Scan# 2171
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

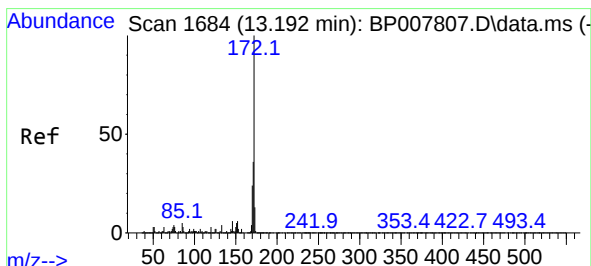
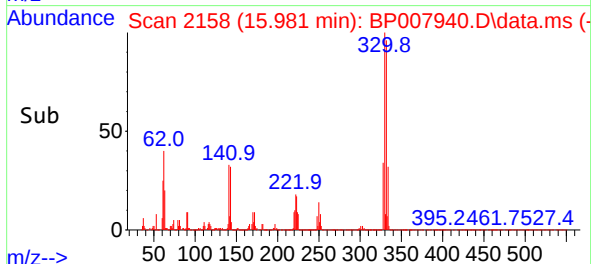
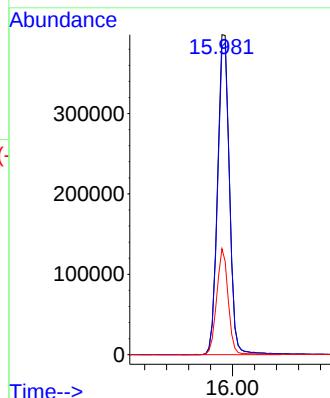
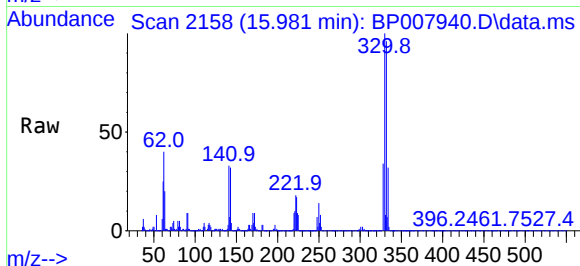
Tgt Ion:330 Resp: 601238
Ion Ratio Lower Upper
330 100
332 97.8 78.9 118.3
141 31.7 30.7 46.1

Manual Integrations

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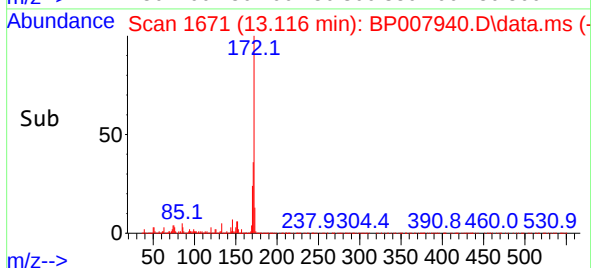
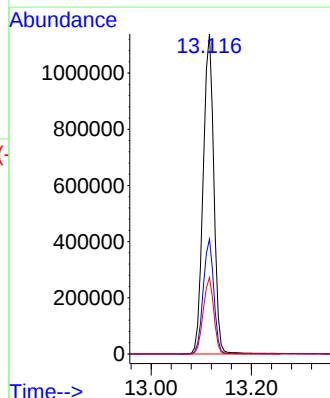
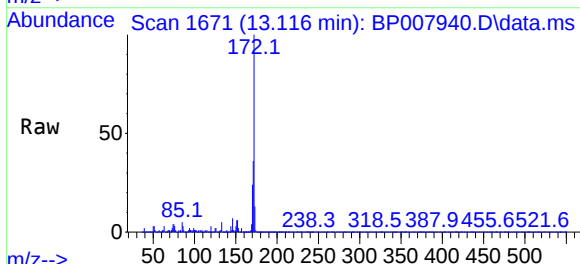
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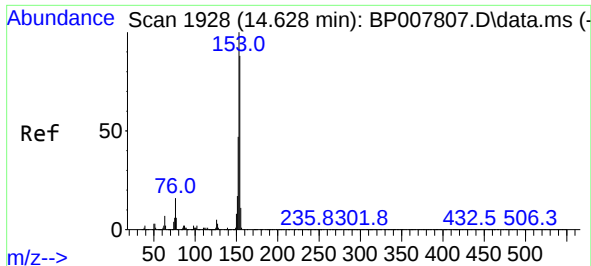
Supervised By :mohammad
ahmed
11/11/2021



#45
2-Fluorobiphenyl
Concen: 88.706 ng
RT: 13.116 min Scan# 1671
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:172 Resp: 1690616
Ion Ratio Lower Upper
172 100
171 35.9 28.2 42.2
170 23.8 19.0 28.4





#52
Acenaphthene
Concen: 7.176 ng
RT: 14.551 min Scan# 1915
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

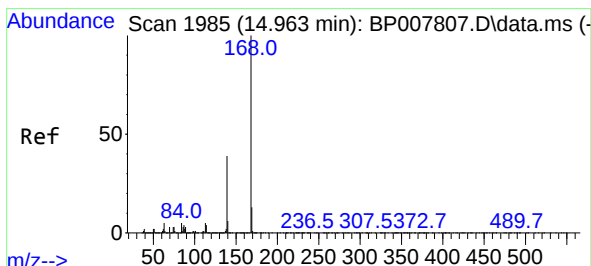
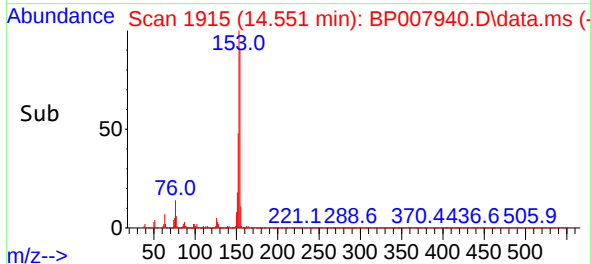
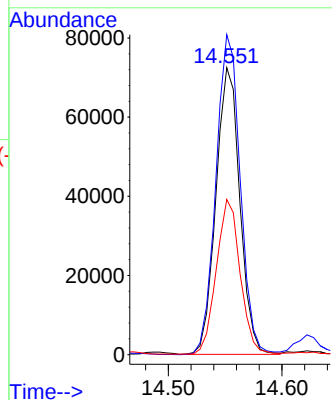
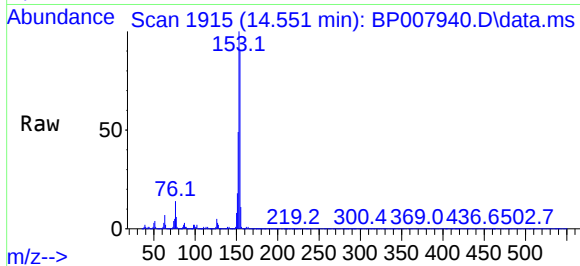
R-LA-5/6-WC

Tgt Ion:154 Resp: 106000
Ion Ratio Lower Upper
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153 111.5 90.4 135.6
152 54.1 42.3 63.5

Manual Integrations
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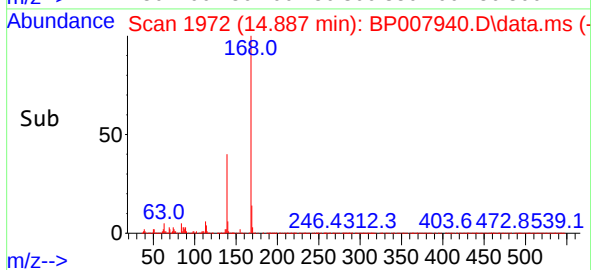
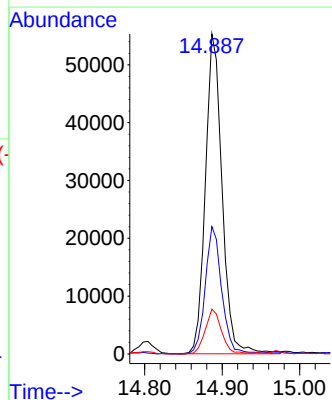
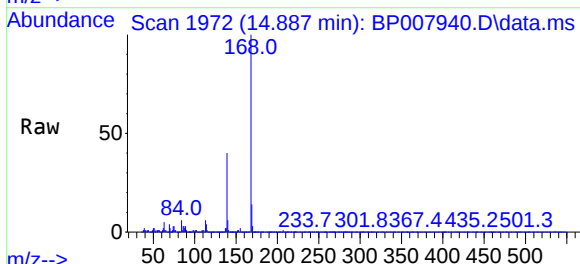
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

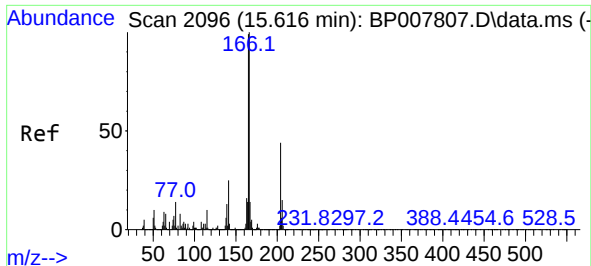
Supervised By :mohammad
ahmed
11/11/2021



#55
Dibenzofuran
Concen: 3.318 ng
RT: 14.887 min Scan# 1972
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

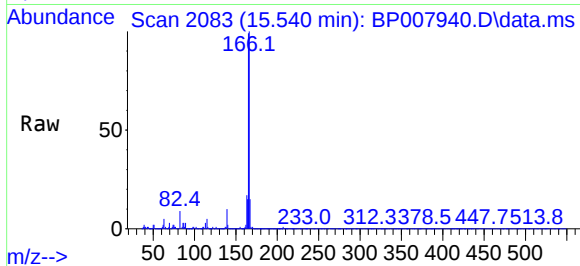
Tgt Ion:168 Resp: 82906
Ion Ratio Lower Upper
168 100
139 39.8 30.8 46.2
169 14.0 11.0 16.6





#58
Fluorene
Concen: 5.639 ng
RT: 15.540 min Scan# 2096
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

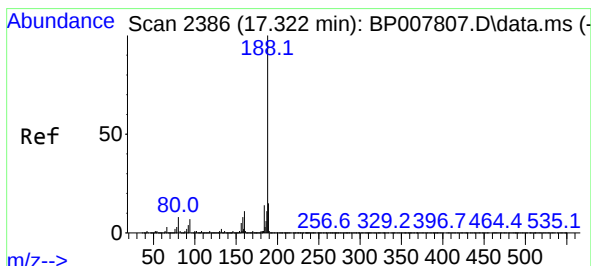
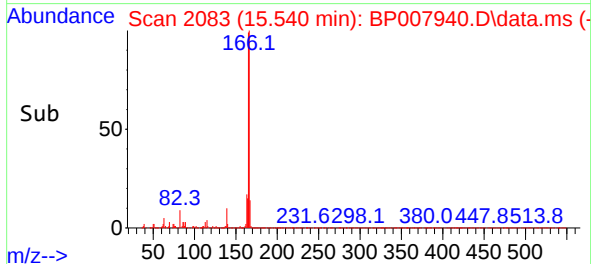
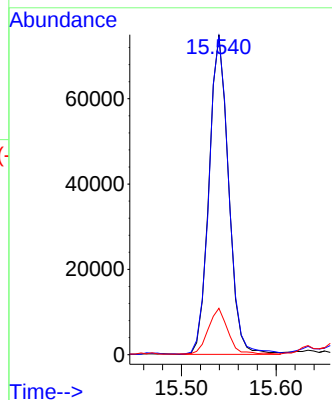


Tgt Ion:166 Resp: 10687
Ion Ratio Lower Upper
166 100
165 99.2 78.9 118.3
167 14.5 10.9 16.3

Manual Integrations
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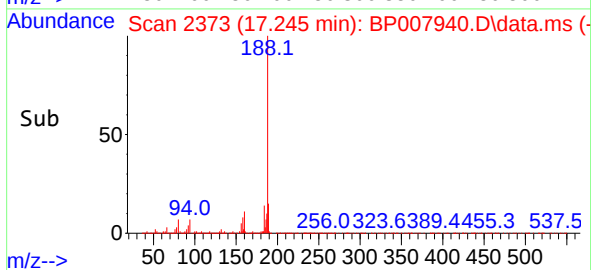
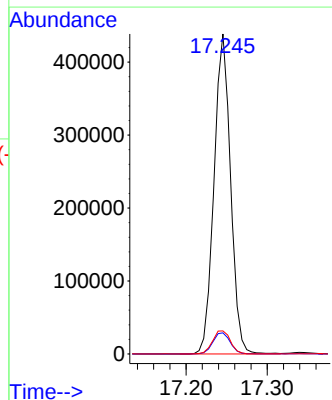
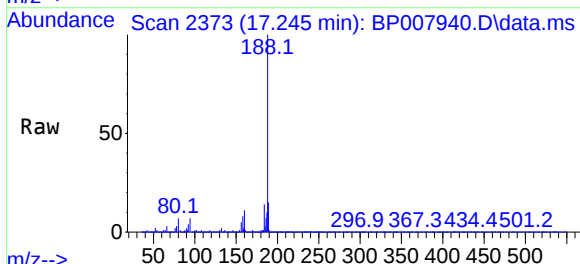
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

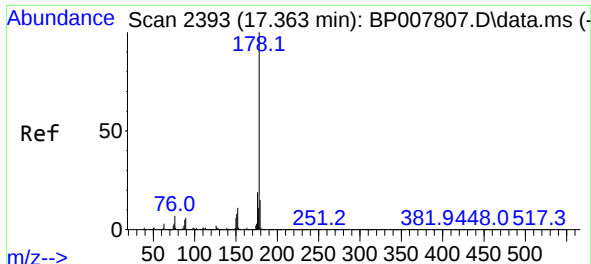
Supervised By :mohammad
ahmed
11/11/2021



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2373
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:188 Resp: 620202
Ion Ratio Lower Upper
188 100
94 6.6 7.1 10.7#
80 7.2 7.8 11.6#





#71
Phenanthrene
Concen: 55.225 ng
RT: 17.286 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

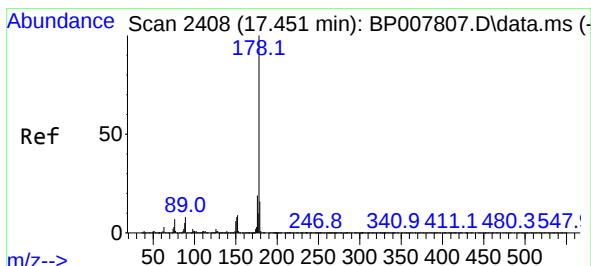
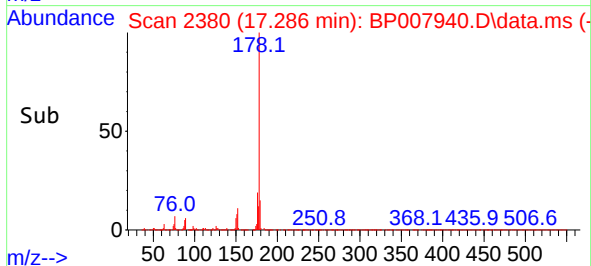
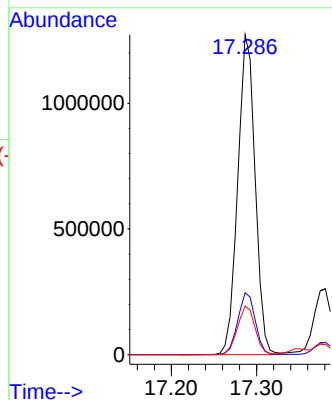
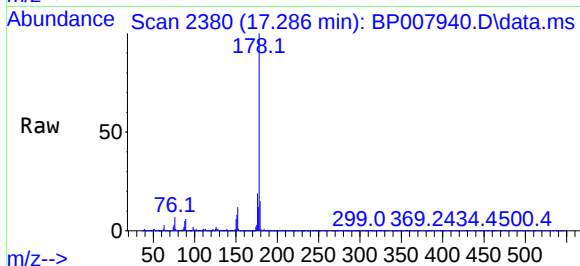
Tgt Ion:178 Resp: 1800548
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.2 12.3 18.5

Manual Integrations

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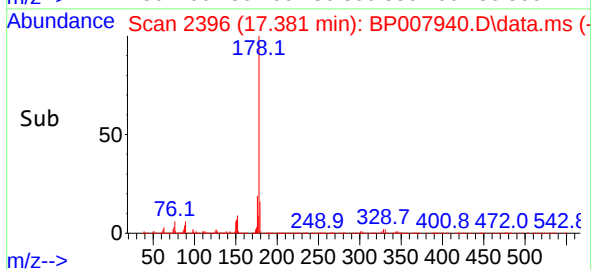
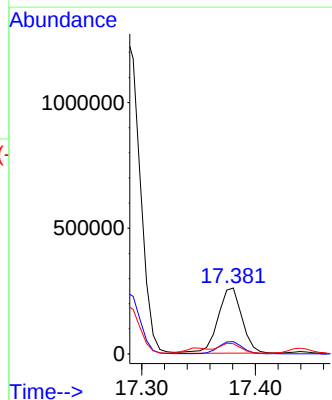
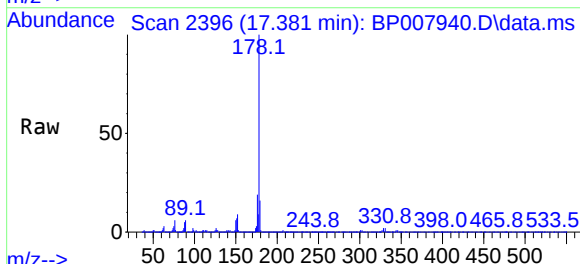
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

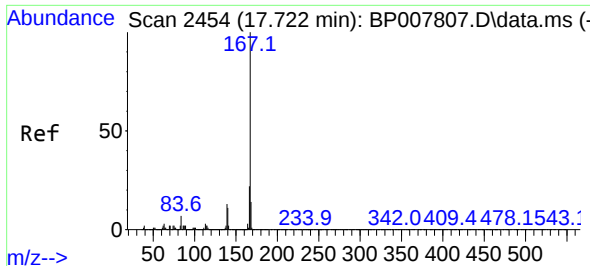
Supervised By :mohammad
ahmed
11/11/2021



#72
Anthracene
Concen: 11.870 ng
RT: 17.381 min Scan# 2396
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:178 Resp: 380852
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 8.694 ng
 RT: 17.651 min Scan# 2442
 Delta R.T. -0.012 min
 Lab File: BP007940.D
 Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

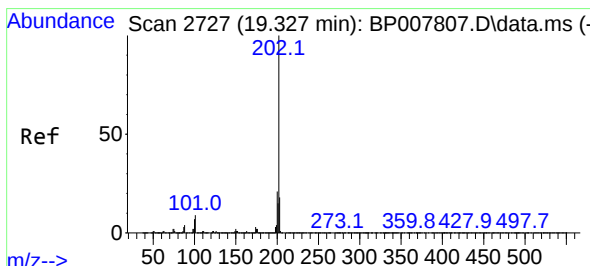
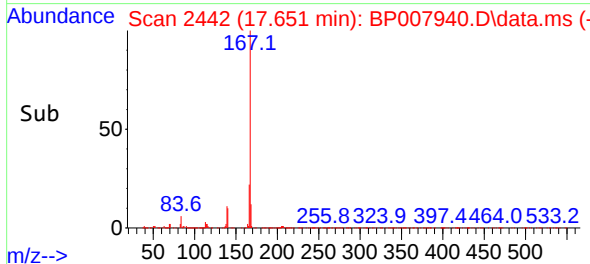
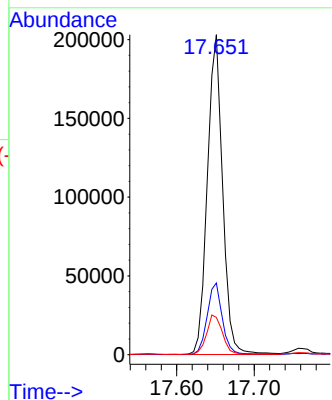
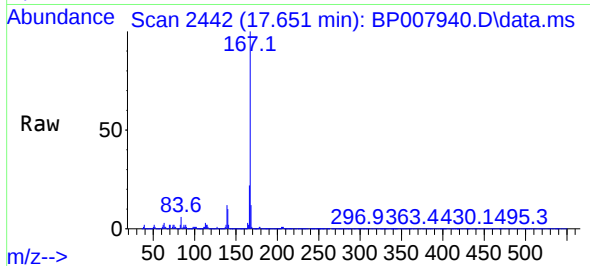
Tgt Ion:167 Resp: 277278
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.3 25.9
 139 11.6 10.4 15.6

Manual Integrations

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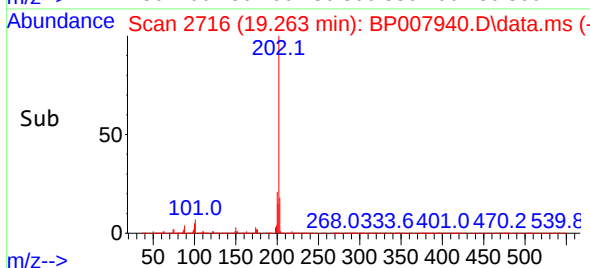
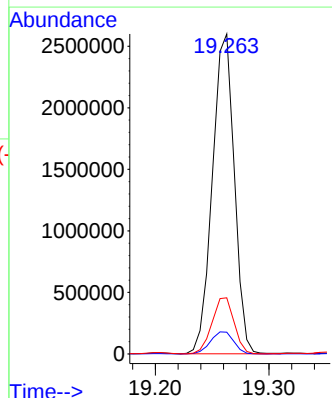
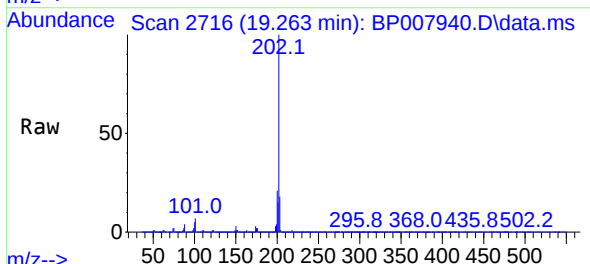
Reviewed By :Jagrut Upadhyay 11/11/2021
 Supervised By :mohammad ahmed 11/11/2021

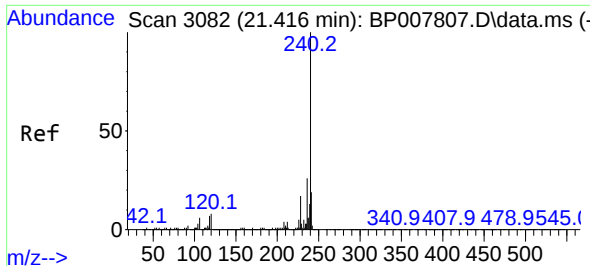
Supervised By :mohammad
 ahmed
 11/11/2021



#75
 Fluoranthene
 Concen: 84.852 ng
 RT: 19.263 min Scan# 2716
 Delta R.T. -0.006 min
 Lab File: BP007940.D
 Acq: 11 Nov 2021 02:44

Tgt Ion:202 Resp: 3489856
 Ion Ratio Lower Upper
 202 100
 101 6.8 0.0 30.4
 203 17.6 0.0 37.6





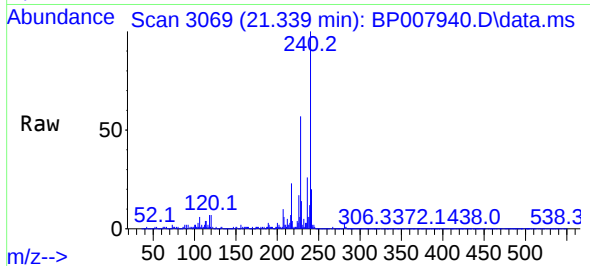
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3082
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC



Tgt Ion:240 Resp: 77284

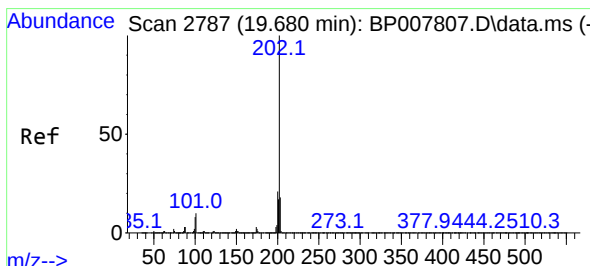
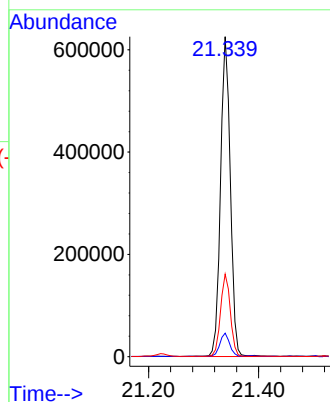
Ion	Ratio	Lower	Upper
240	100		
120	7.4	7.8	11.8
236	25.8	20.6	30.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

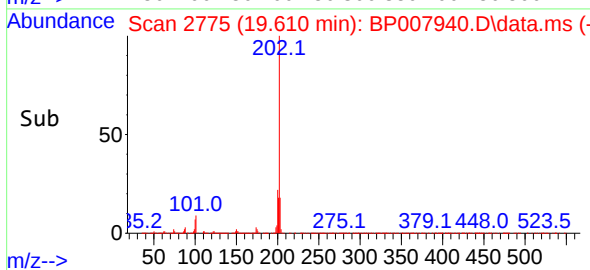
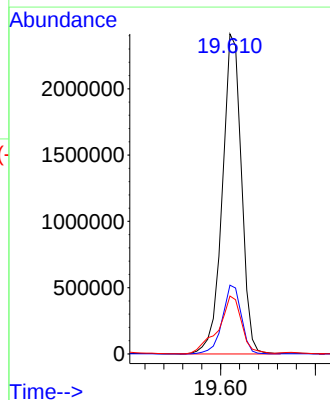
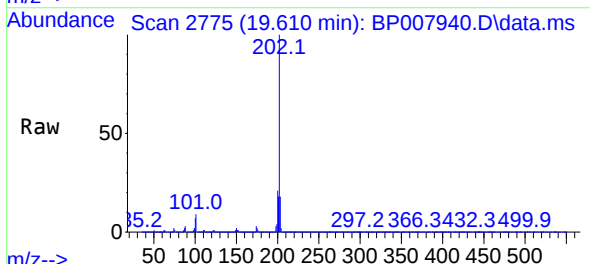
Supervised By :mohammad
ahmed
11/11/2021

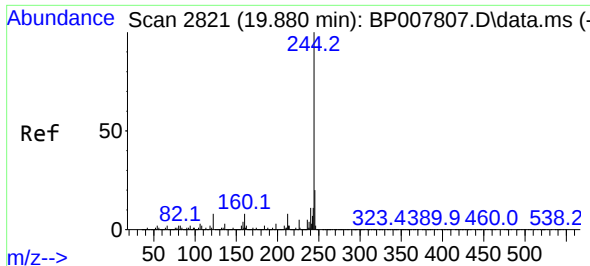


#78
Pyrene
Concen: 71.201 ng
RT: 19.610 min Scan# 2775
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:202 Resp: 3375022

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	18.1	13.8	20.6





#79
Terphenyl-d14
Concen: 75.678 ng
RT: 19.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

R-LA-5/6-WC

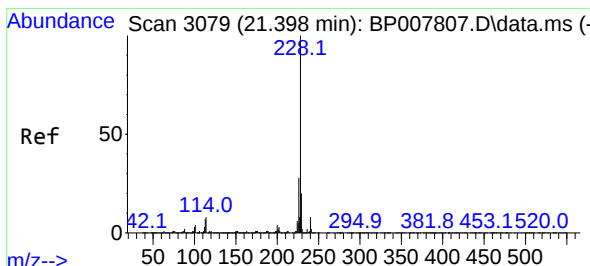
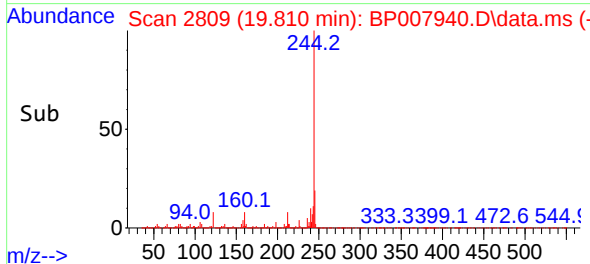
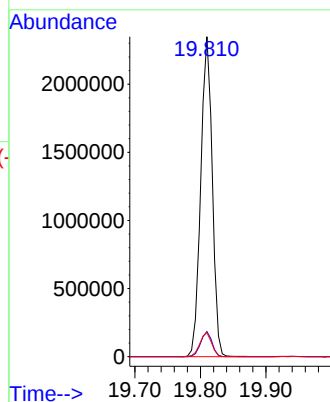
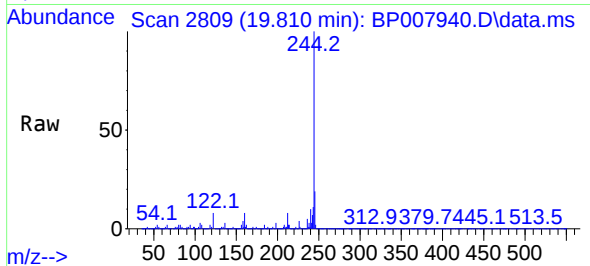
Tgt Ion:244 Resp: 287223
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.2
122 7.5 7.8 11.8

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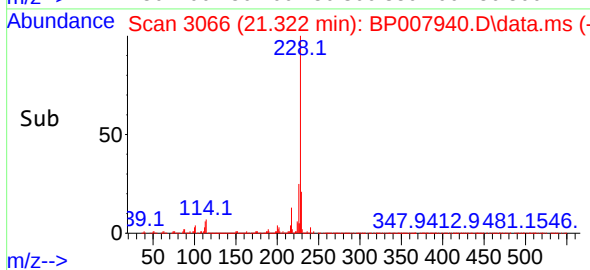
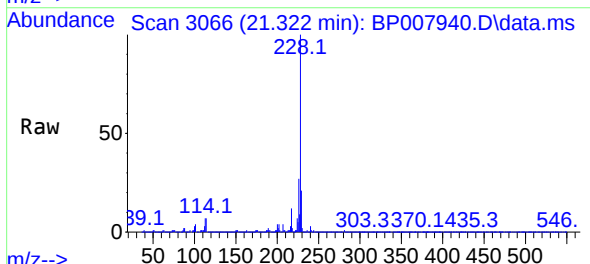
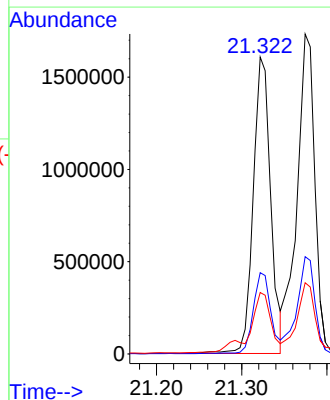
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

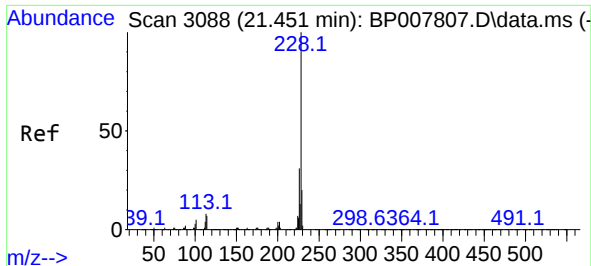
Supervised By :mohammad
ahmed
11/11/2021



#81
Benzo(a)anthracene
Concen: 44.806 ng
RT: 21.322 min Scan# 3066
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

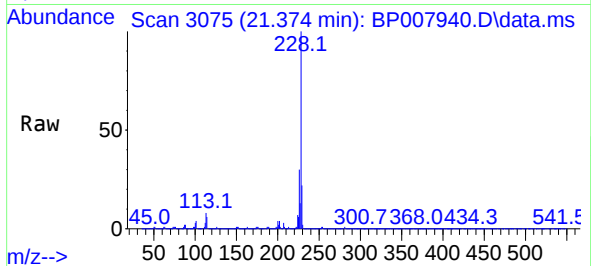
Tgt Ion:228 Resp: 2281318
Ion Ratio Lower Upper
228 100
226 27.3 21.8 32.6
229 20.7 15.7 23.5





#83
Chrysene
Concen: 52.512 ng
RT: 21.374 min Scan# 3088
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :
BNA_P
Client Sample Id :
R-LA-5/6-WC

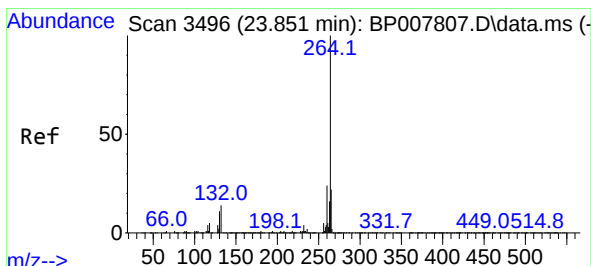
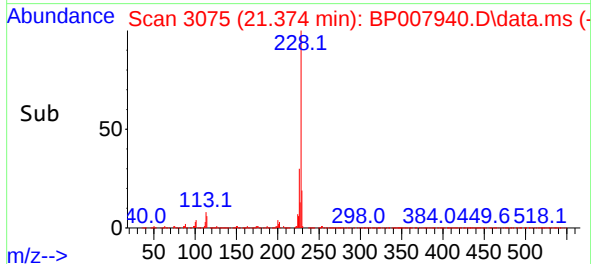
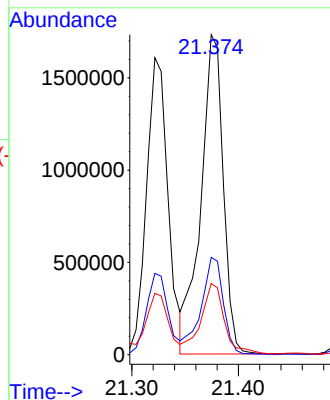


Tgt Ion: 228 Resp: 253109
Ion Ratio Lower Upper
228 100
226 30.4 24.6 37.0
229 22.3 15.7 23.5

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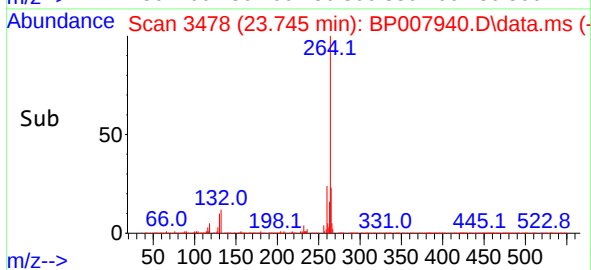
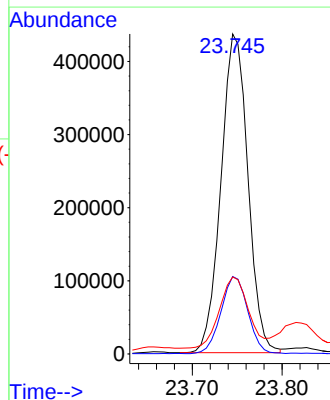
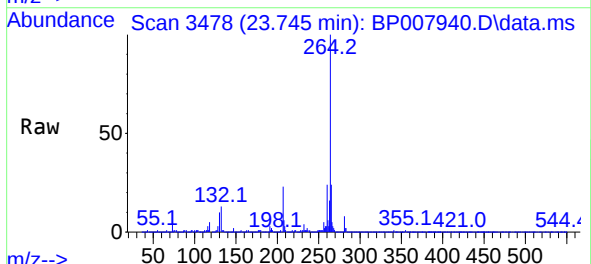
Reviewed By : Jagrut Upadhyay 11/11/2021
Supervised By : mohammad ahmed 11/11/2021

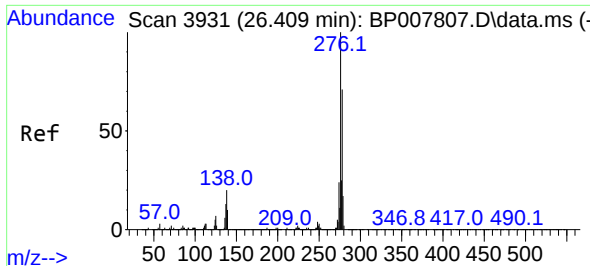
Supervised By : mohammad
ahmed
11/11/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.745 min Scan# 3478
Delta R.T. -0.024 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion: 264 Resp: 908066
Ion Ratio Lower Upper
264 100
260 24.2 19.1 28.7
265 24.0 16.7 25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 21.967 ng
RT: 26.257 min Scan# 3905
Delta R.T. -0.047 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :

BNA_P

ClientSampleId :

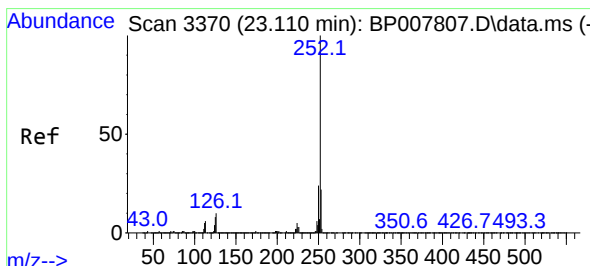
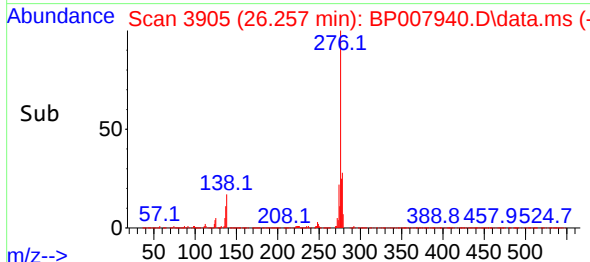
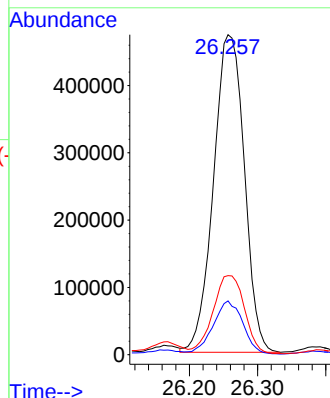
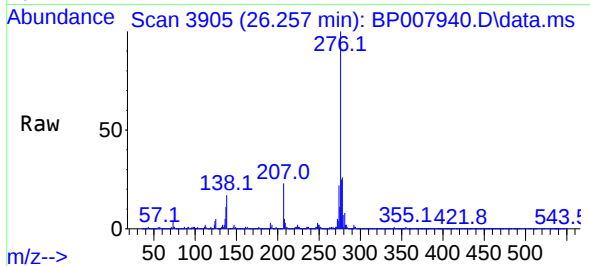
R-LA-5/6-WC

Tgt Ion:276 Resp: 148685
Ion Ratio Lower Upper
276 100
138 16.2 19.4 29.0
277 25.1 20.2 30.2

Manual Integrations
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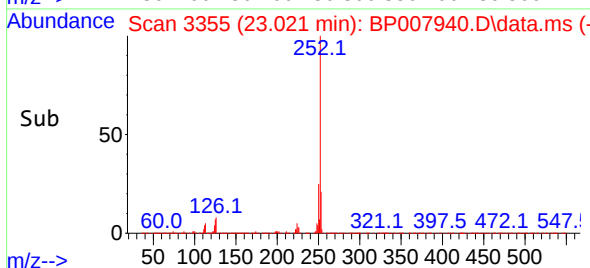
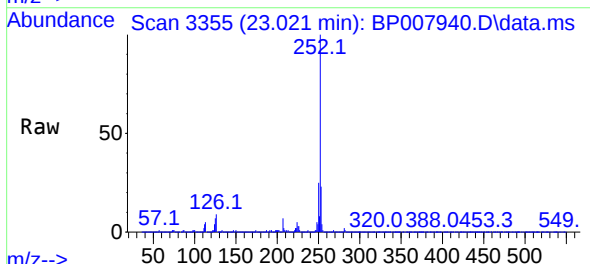
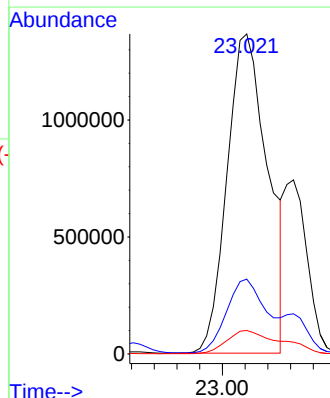
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

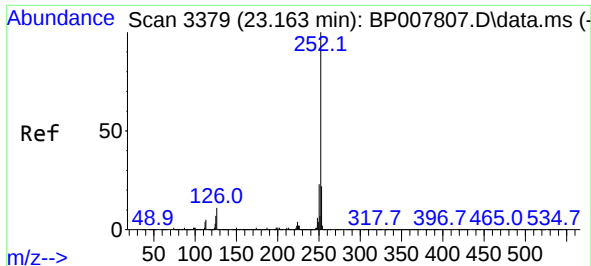
Supervised By :mohammad
ahmed
11/11/2021



#88
Benzo(b)fluoranthene
Concen: 63.426 ng
RT: 23.021 min Scan# 3355
Delta R.T. -0.012 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

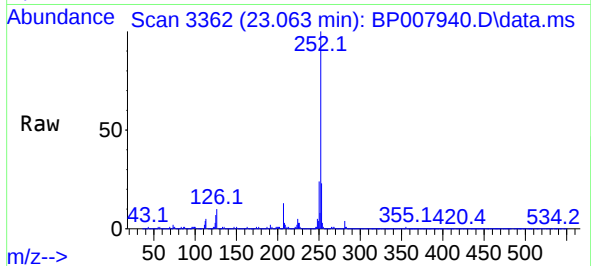
Tgt Ion:252 Resp: 3395070
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.2
125 7.3 7.4 11.0#





#89
Benzo(k)fluoranthene
Concen: 19.302 ng m
RT: 23.063 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC

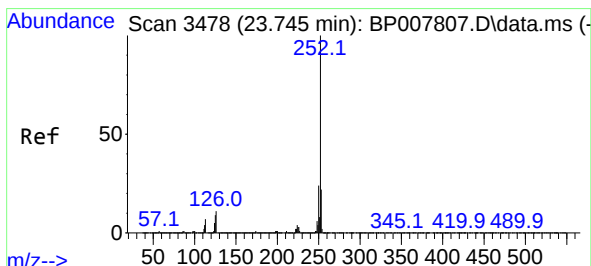
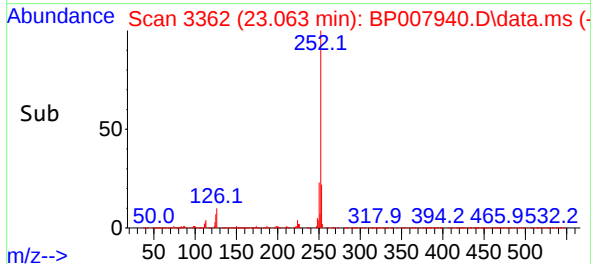
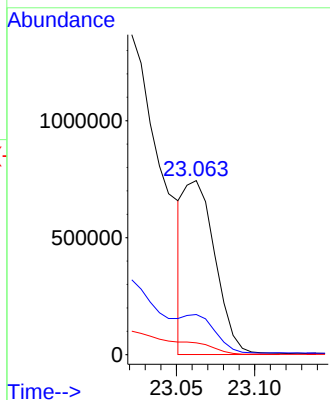


Tgt Ion:252 Resp: 1025468
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 6.8 7.4 11.0

Manual Integrations
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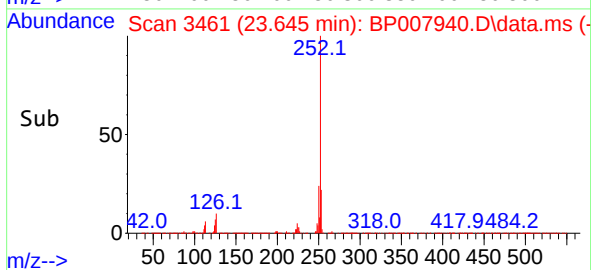
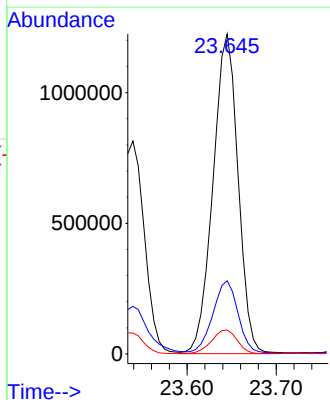
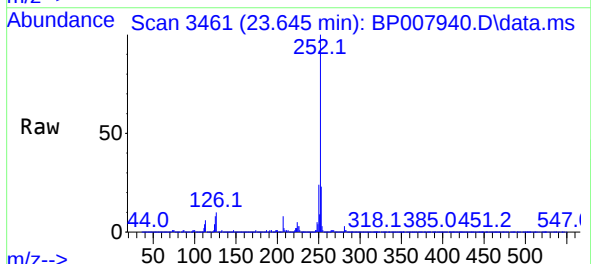
Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021

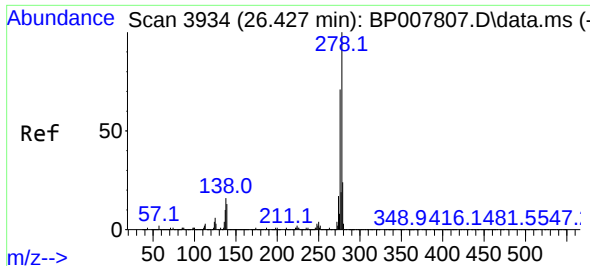
Supervised By :mohammad
ahmed
11/11/2021



#90
Benzo(a)pyrene
Concen: 51.501 ng m
RT: 23.645 min Scan# 3461
Delta R.T. -0.018 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

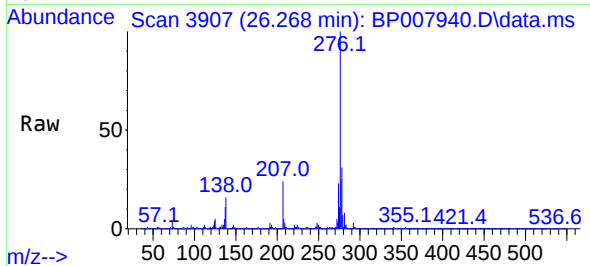
Tgt Ion:252 Resp: 2387024
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 7.5 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 8.257 ng m
RT: 26.268 min Scan# 3934
Delta R.T. -0.053 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

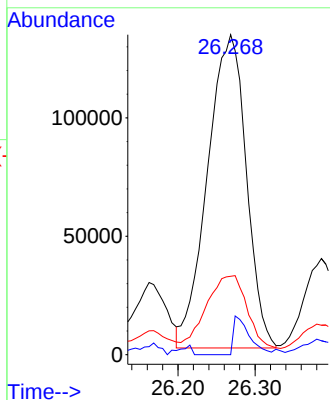
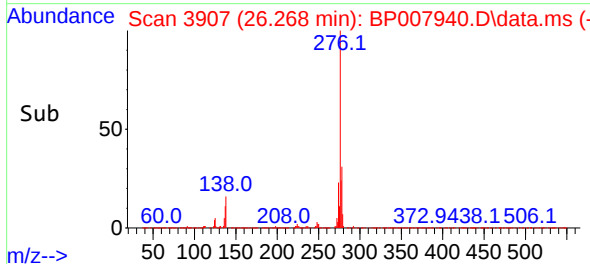
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WC



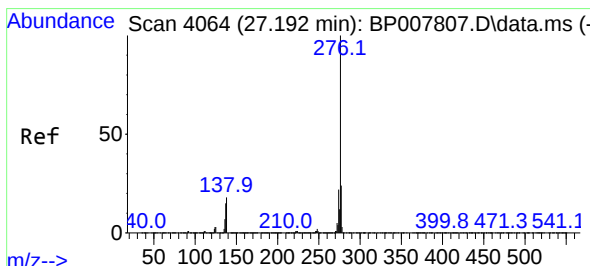
Tgt Ion:278 Resp: 463239
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6
279 24.5 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/11/2021
Supervised By :mohammad ahmed 11/11/2021



Supervised By :mohammad
ahmed
11/11/2021



#92
Benzo(g,h,i)perylene
Concen: 26.760 ng
RT: 27.033 min Scan# 4037
Delta R.T. -0.047 min
Lab File: BP007940.D
Acq: 11 Nov 2021 02:44

Tgt Ion:276 Resp: 1489314
Ion Ratio Lower Upper
276 100
277 24.2 19.4 29.0
138 16.3 16.2 24.4

