

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
 Data File : BP007960.D
 Acq On : 11 Nov 2021 23:27
 Operator : CG/JU
 Sample : M4602-05DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/12/2021
 Supervised By :mohammad ahmed 11/17/2021

Quant Time: Nov 12 01:15:39 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 11 13:53:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	117096	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	447093	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	328240	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	786239	20.000	ng	# 0.00
76) Chrysene-d12	21.333	240	1068913	20.000	ng	# 0.00
86) Perylene-d12	23.739	264	1308344	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	508023	73.578	ng	0.00
7) Phenol-d6	7.022	99	663594	66.402	ng	0.00
23) Nitrobenzene-d5	9.004	82	385936	46.369	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	358907	76.617	ng	-0.01
45) 2-Fluorobiphenyl	13.110	172	925561	41.064	ng	0.00
79) Terphenyl-d14	19.804	244	1850241	35.247	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.693	128	103798	4.589	ng	99
52) Acenaphthene	14.545	154	58133	3.328	ng	95
58) Fluorene	15.533	166	60769	2.711	ng	95
71) Phenanthrene	17.280	178	1085868	26.272	ng	100
72) Anthracene	17.375	178	220951	5.432	ng	98
73) Carbazole	17.645	167	166398	4.115	ng	99
75) Fluoranthene	19.257	202	2186625	41.938	ng	96
78) Pyrene	19.604	202	2127806	32.455	ng	99
81) Benzo(a)anthracene	21.316	228	1507092	21.401	ng	98
83) Chrysene	21.368	228	1652325	24.785	ng	97
87) Indeno(1,2,3-cd)pyrene	26.245	276	939581	9.634	ng	# 91
88) Benzo(b)fluoranthene	23.010	252	2274895	29.497	ng	# 96
89) Benzo(k)fluoranthene	23.051	252	715628m	9.349	ng	
90) Benzo(a)pyrene	23.633	252	1612400m	24.145	ng	
91) Dibenzo(a,h)anthracene	26.251	278	284278	3.517	ng	97
92) Benzo(g,h,i)perylene	27.021	276	889971	11.099	ng	# 95

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

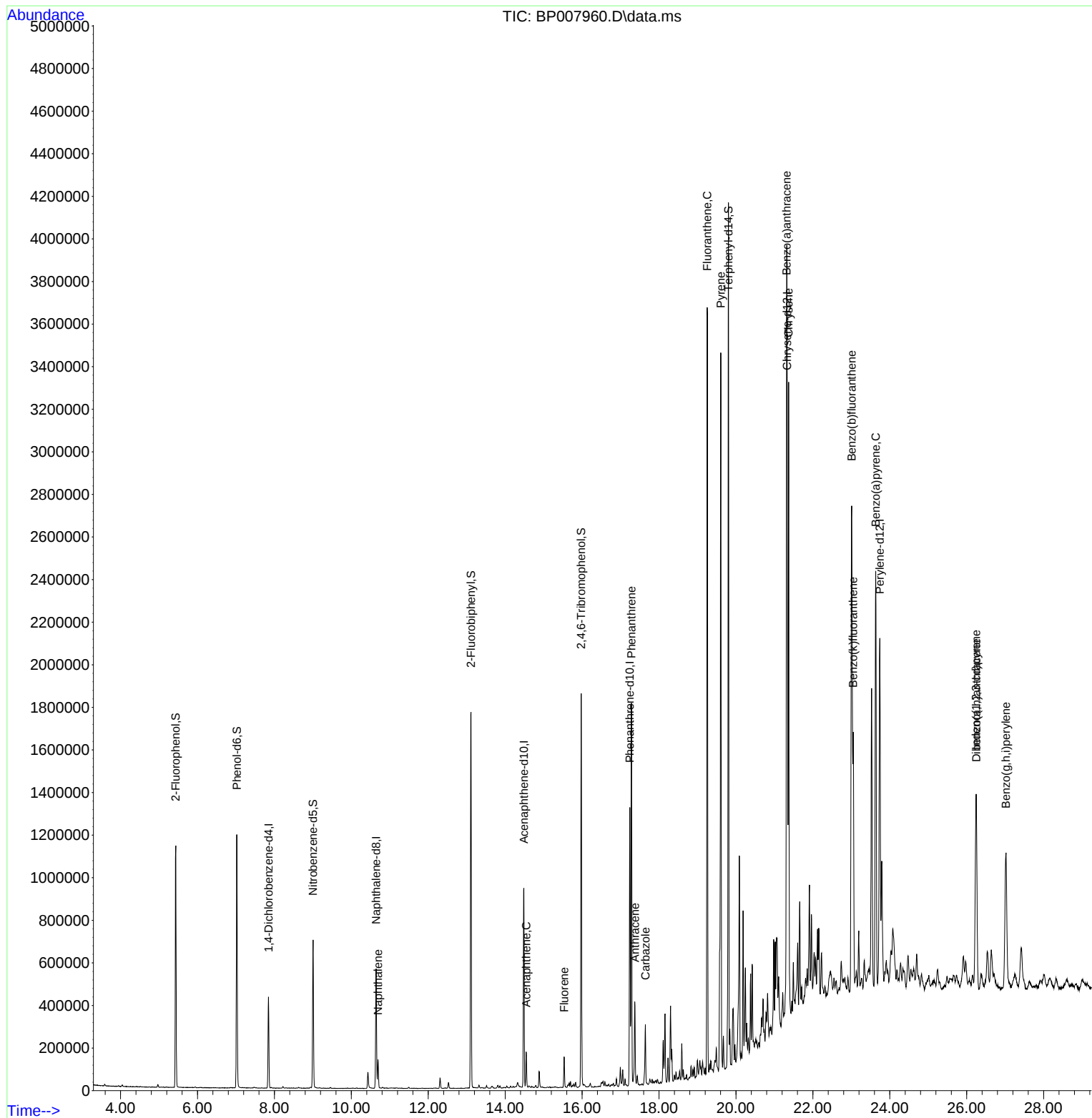
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111121\
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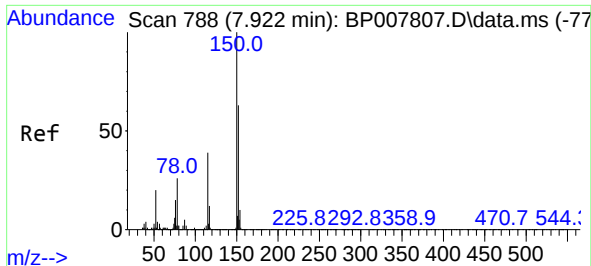
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP110221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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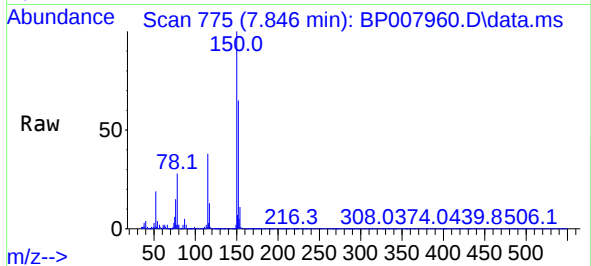
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 71
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

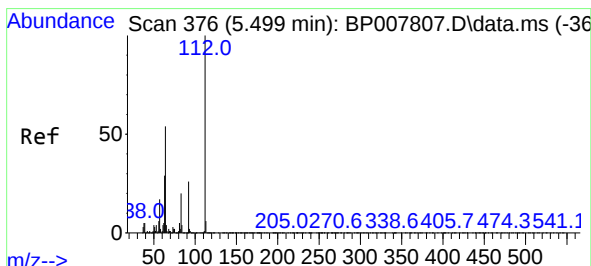
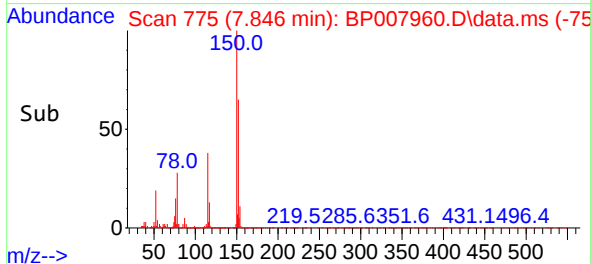
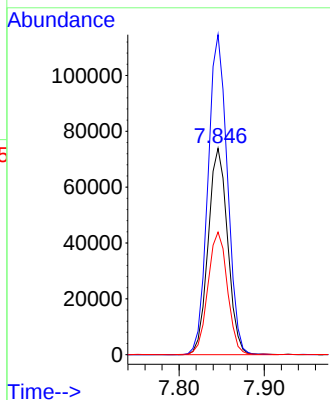
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WCDL



Tgt Ion:152 Resp: 117090
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 59.3 48.1 72.1

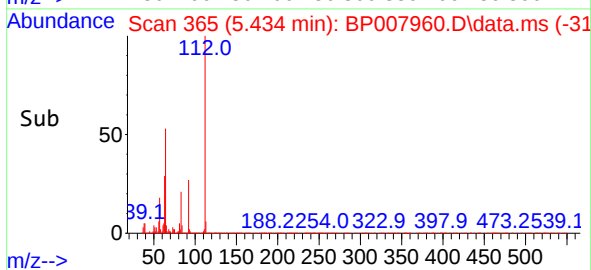
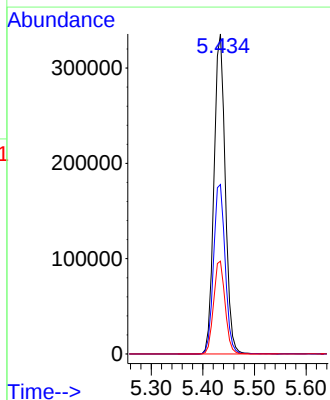
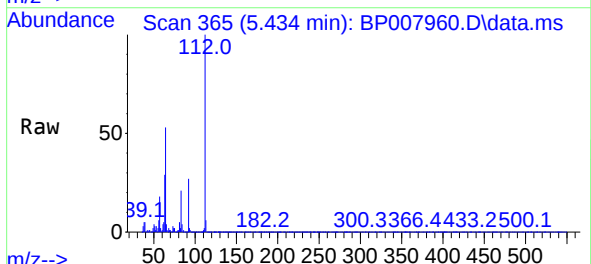
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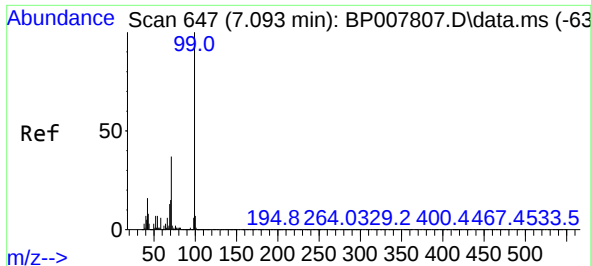
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#5
2-Fluorophenol
Concen: 73.578 ng
RT: 5.434 min Scan# 365
Delta R.T. -0.000 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

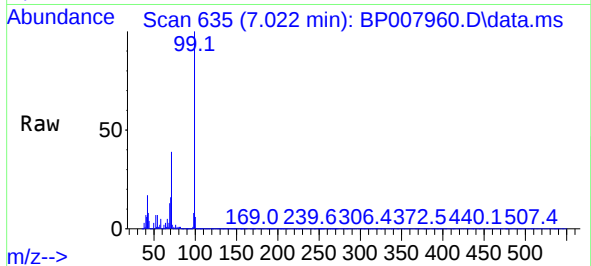
Tgt Ion:112 Resp: 508023
Ion Ratio Lower Upper
112 100
64 52.9 46.6 70.0
63 29.0 25.0 37.6





#7
Phenol-d6
Concen: 66.402 ng
RT: 7.022 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

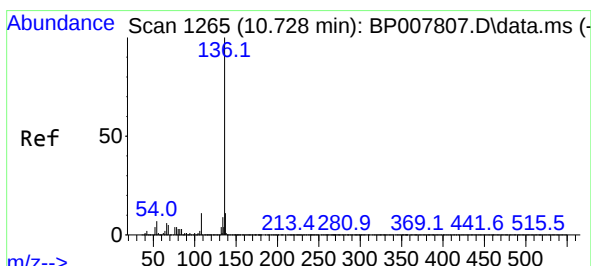
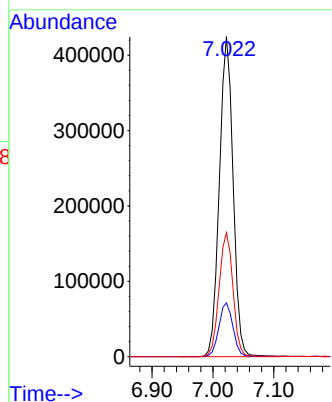
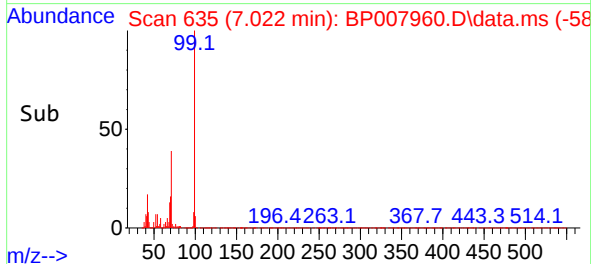
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WCDL



Tgt Ion: 99 Resp: 663594
Ion Ratio Lower Upper
99 100
42 16.8 14.9 22.3
71 38.7 29.2 43.8

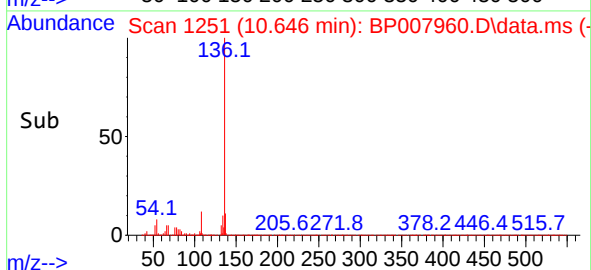
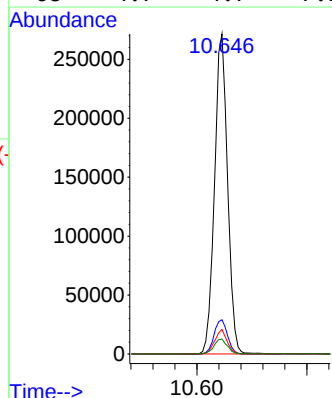
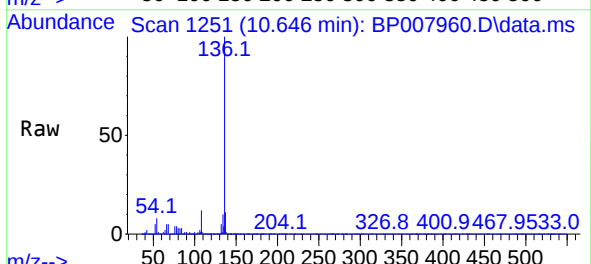
Manual Integrations
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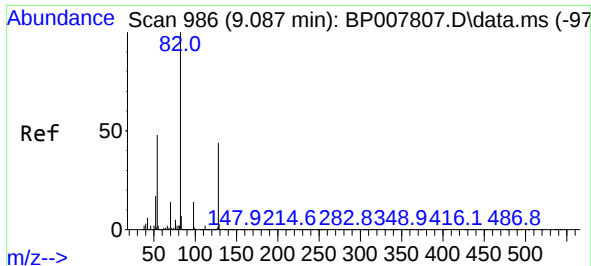
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

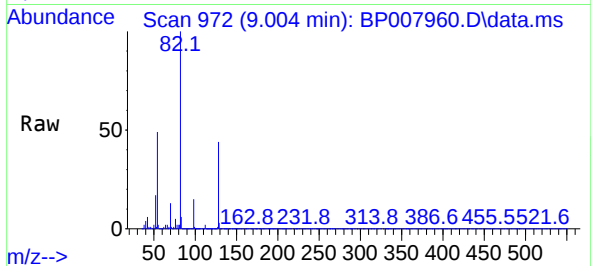
Tgt Ion:136 Resp: 447093
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.7 6.2 9.4
68 4.7 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 46.369 ng
RT: 9.004 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

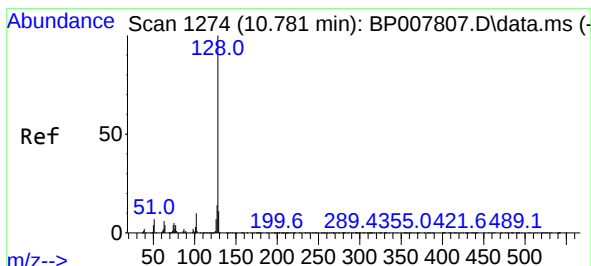
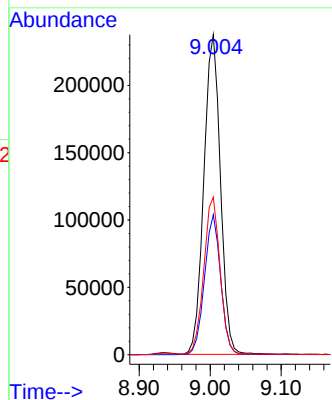
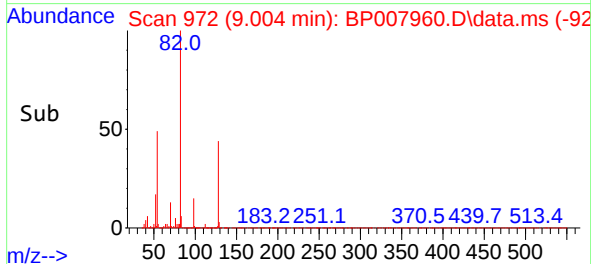
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WCDL



Tgt Ion: 82 Resp: 385930
Ion Ratio Lower Upper
82 100
128 43.8 32.6 48.8
54 49.2 40.4 60.6

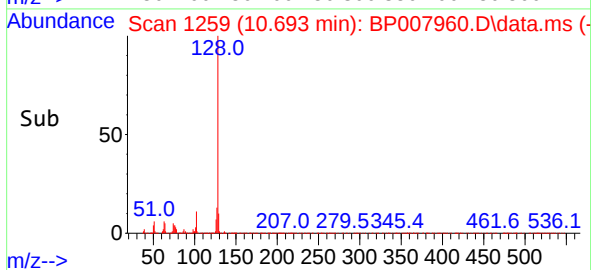
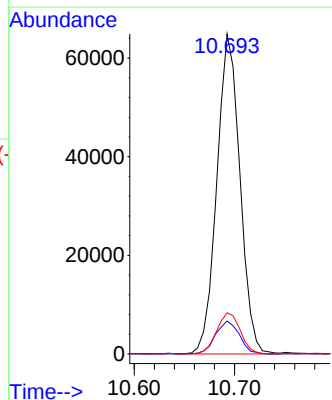
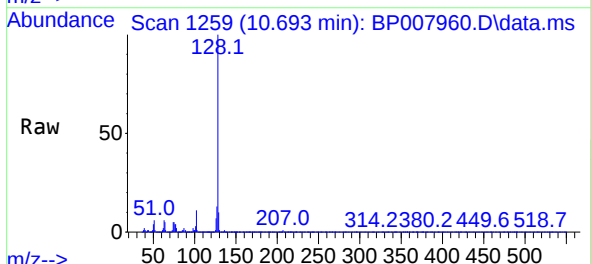
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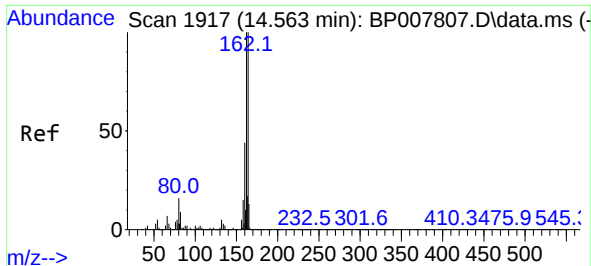
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#31
Naphthalene
Concen: 4.589 ng
RT: 10.693 min Scan# 1259
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

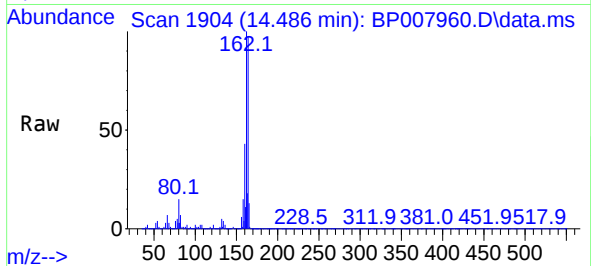
Tgt Ion:128 Resp: 103798
Ion Ratio Lower Upper
128 100
129 10.3 8.9 13.3
127 12.9 10.2 15.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

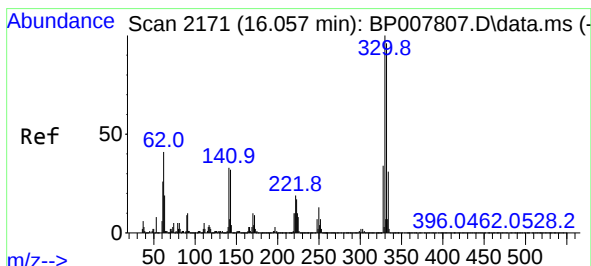
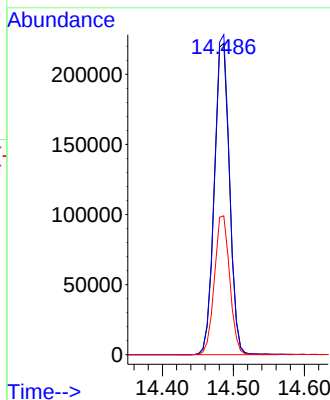
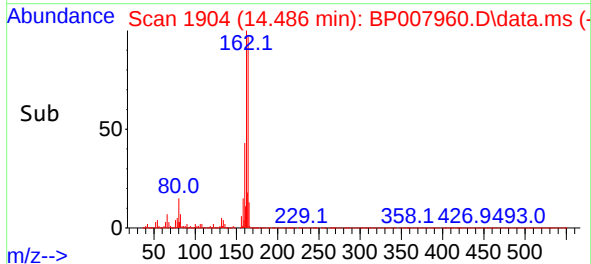
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WCDL



Tgt Ion:164 Resp: 328240
Ion Ratio Lower Upper
164 100
162 102.8 81.1 121.7
160 44.6 36.0 54.0

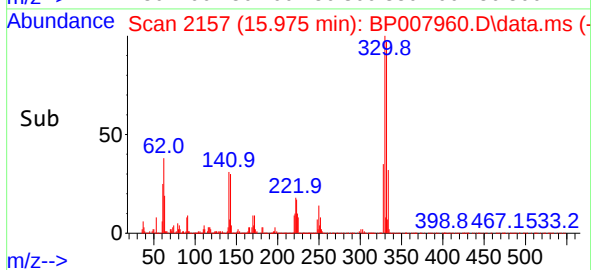
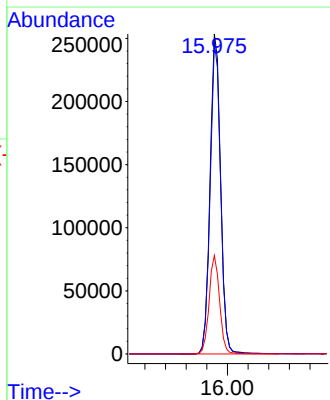
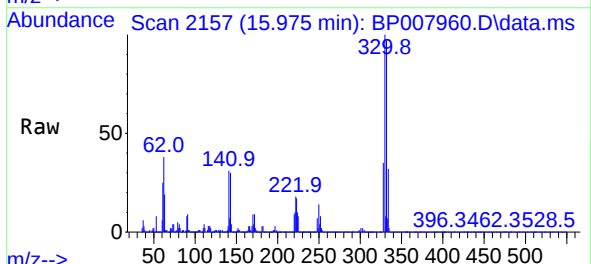
Manual Integrations
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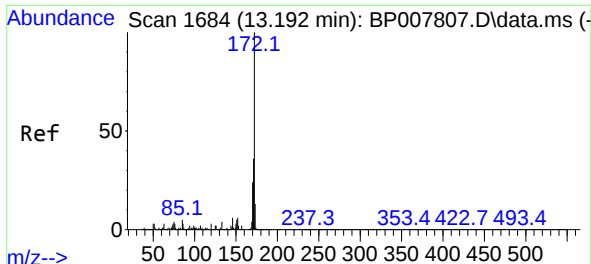
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#42
2,4,6-Tribromophenol
Concen: 76.617 ng
RT: 15.975 min Scan# 2157
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

Tgt Ion:330 Resp: 358907
Ion Ratio Lower Upper
330 100
332 96.3 78.9 118.3
141 30.6 30.7 46.1#





#45
2-Fluorobiphenyl
Concen: 41.064 ng
RT: 13.110 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

Instrument :

BNA_P

ClientSampleId :

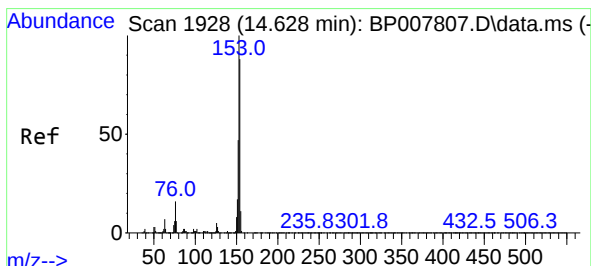
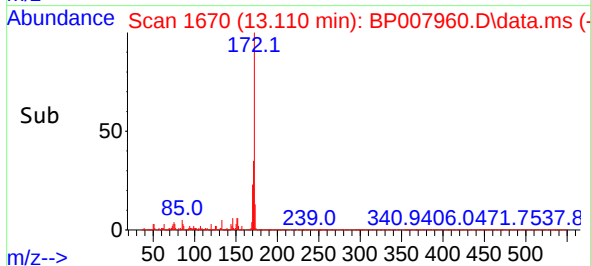
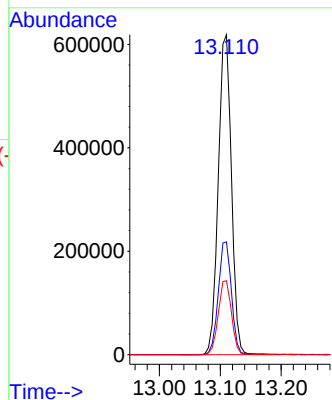
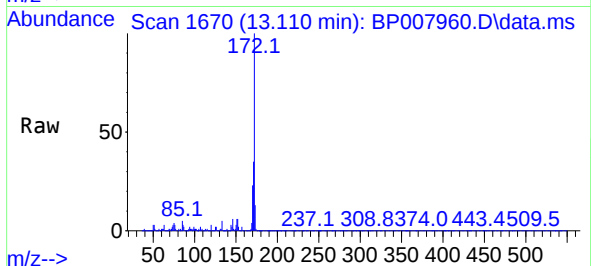
R-LA-5/6-WCDL

Tgt Ion:172 Resp: 92556
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 23.1 19.0 28.4

Manual Integrations

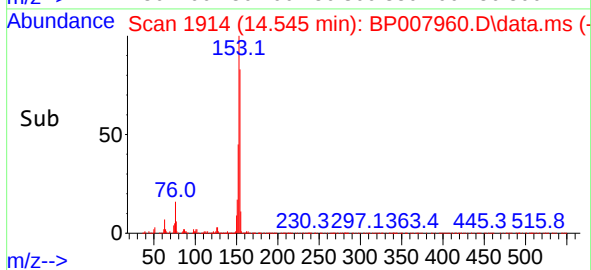
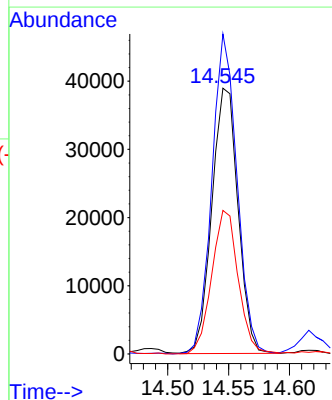
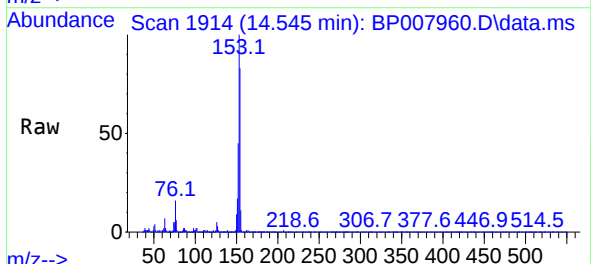
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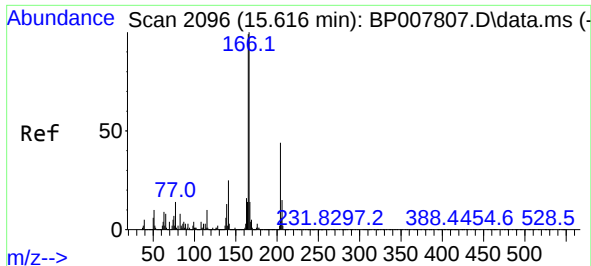
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#52
Acenaphthene
Concen: 3.328 ng
RT: 14.545 min Scan# 1914
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

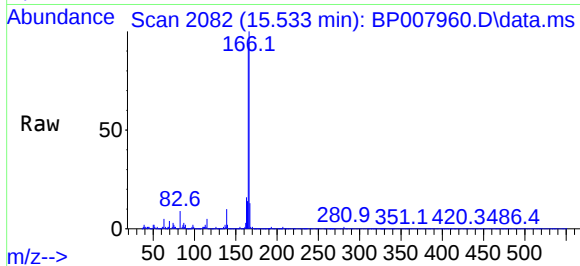
Tgt Ion:154 Resp: 58133
Ion Ratio Lower Upper
154 100
153 120.4 90.4 135.6
152 54.0 42.3 63.5





#58
Fluorene
Concen: 2.711 ng
RT: 15.533 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

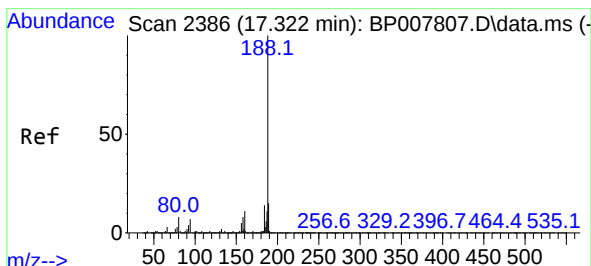
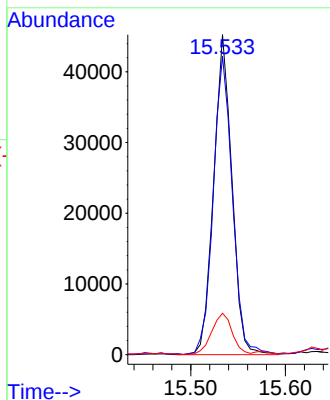
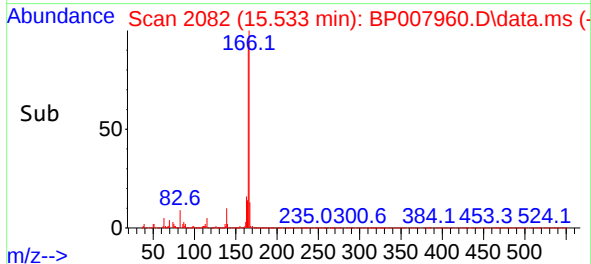
Instrument :
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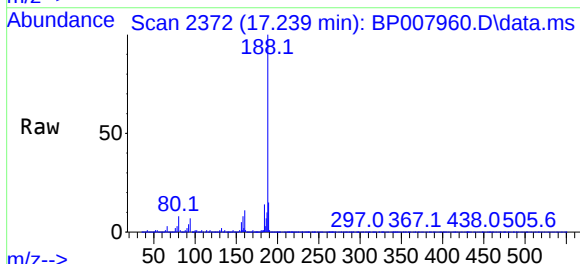
Tgt Ion:166 Resp: 60769
Ion Ratio Lower Upper
166 100
165 93.3 78.9 118.3
167 12.9 10.9 16.3

Manual Integrations
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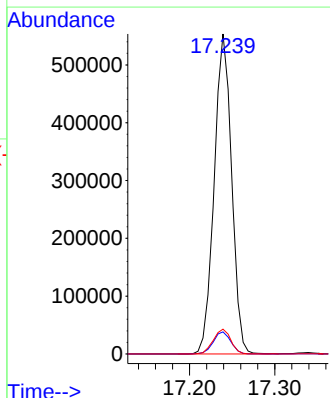
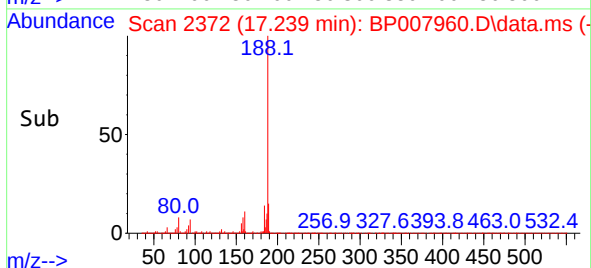
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

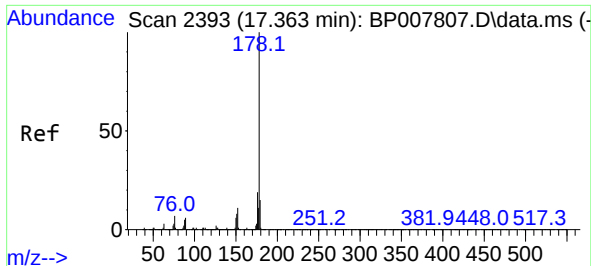


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2372
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27



Tgt Ion:188 Resp: 786239
Ion Ratio Lower Upper
188 100
94 6.9 7.1 10.7#
80 7.8 7.8 11.6





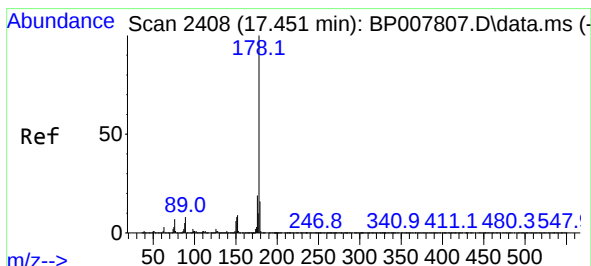
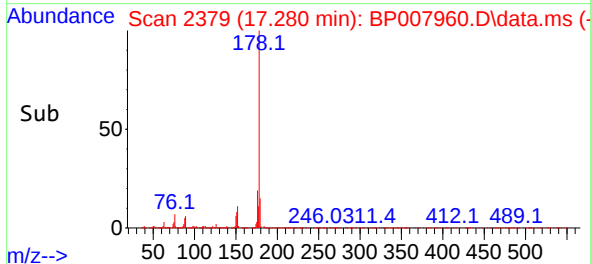
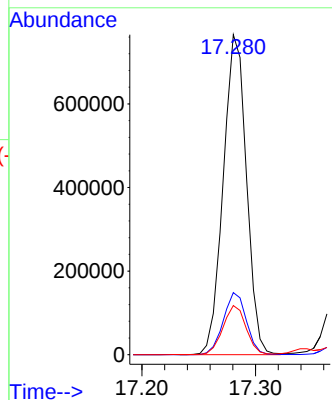
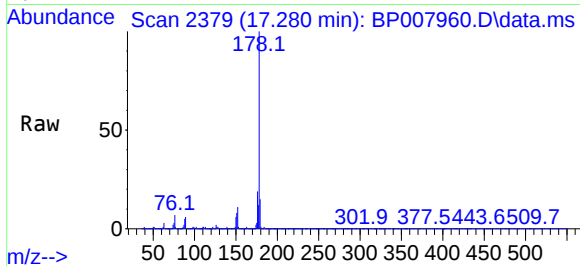
#71
Phenanthrene
Concen: 26.272 ng
RT: 17.280 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

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

Tgt Ion:178 Resp: 108586
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.0
179 15.3 12.3 18.5

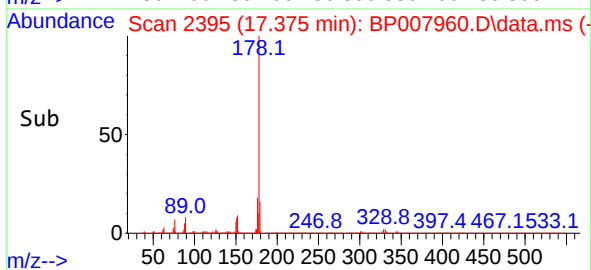
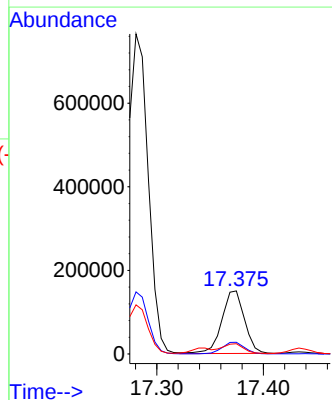
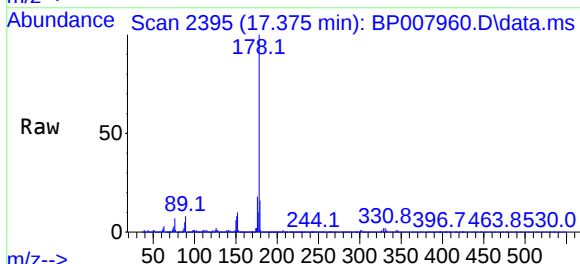
Manual Integrations
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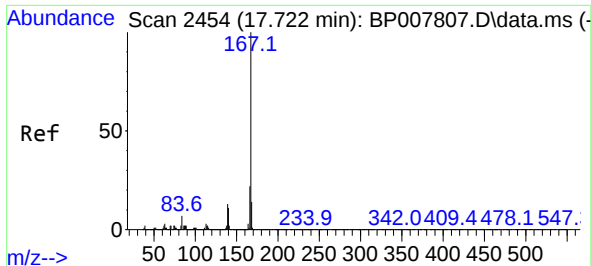
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#72
Anthracene
Concen: 5.432 ng
RT: 17.375 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

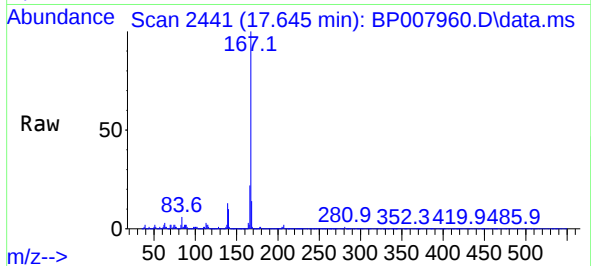
Tgt Ion:178 Resp: 220951
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.6
179 16.3 12.2 18.4





#73
 Carbazole
 Concen: 4.115 ng
 RT: 17.645 min Scan# 2441
 Delta R.T. -0.012 min
 Lab File: BP007960.D
 Acq: 11 Nov 2021 23:27

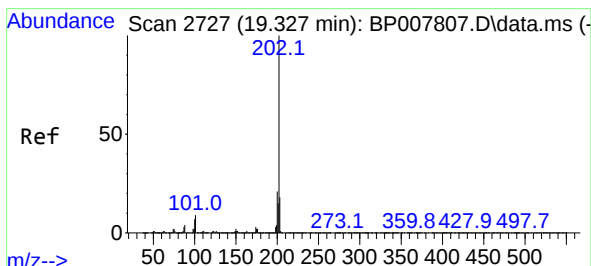
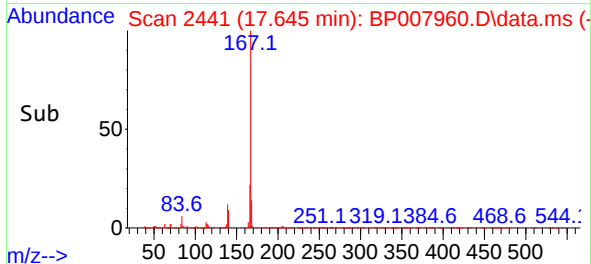
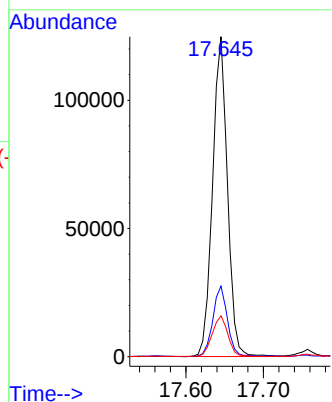
Instrument :
 BNA_P
 ClientSampleId :
 R-LA-5/6-WCDL



Tgt Ion:167 Resp: 166398
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.3 25.9
 139 12.8 10.4 15.6

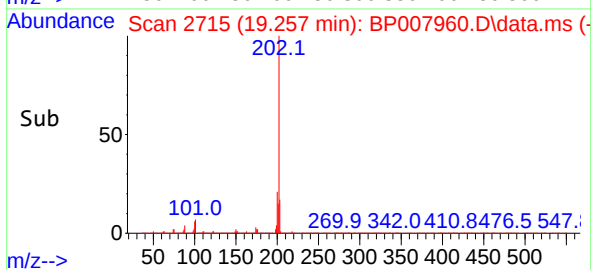
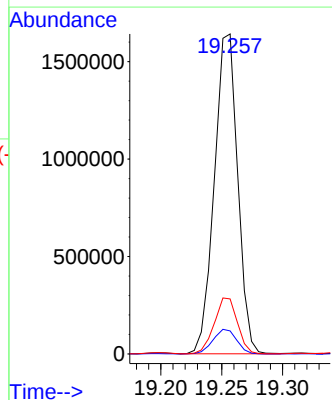
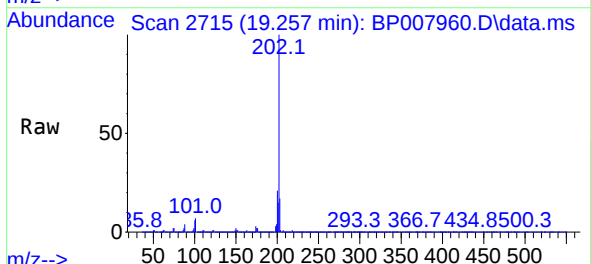
Manual Integrations
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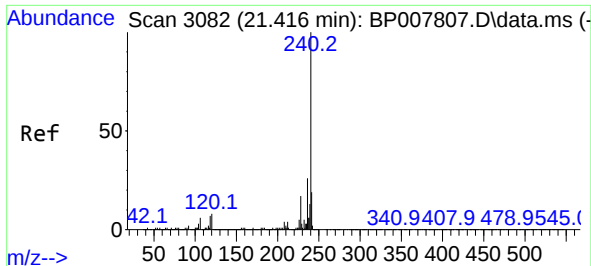
Reviewed By :Jagrut Upadhyay 11/12/2021
 Supervised By :mohammad ahmed 11/17/2021



#75
 Fluoranthene
 Concen: 41.938 ng
 RT: 19.257 min Scan# 2715
 Delta R.T. -0.000 min
 Lab File: BP007960.D
 Acq: 11 Nov 2021 23:27

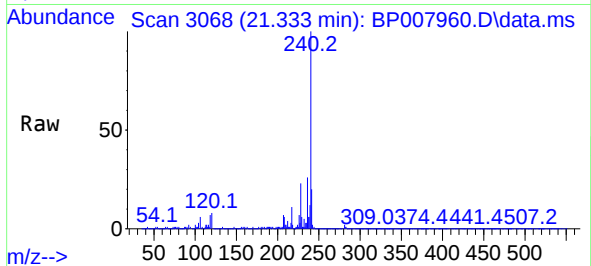
Tgt Ion:202 Resp: 2186625
 Ion Ratio Lower Upper
 202 100
 101 7.2 0.0 30.4
 203 17.2 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3082
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

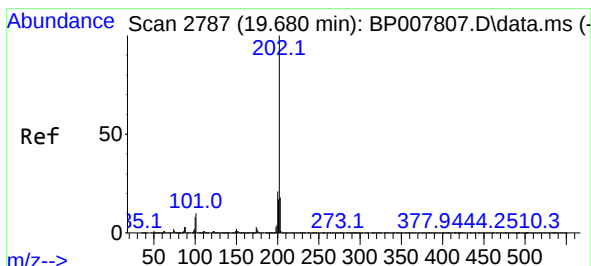
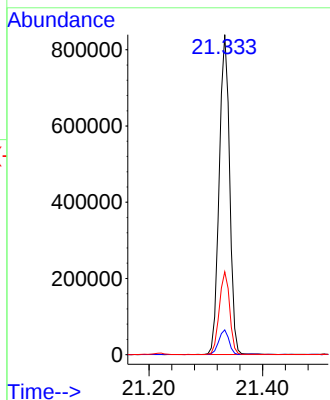
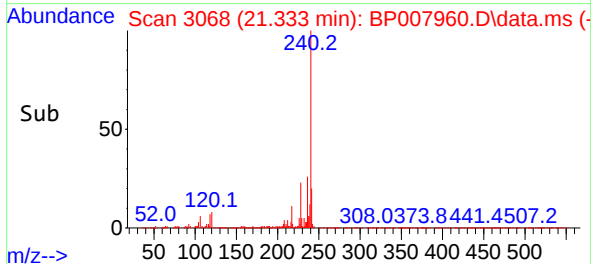
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WCDL



Tgt Ion:240 Resp: 1068911
Ion Ratio Lower Upper
240 100
120 7.8 7.8 11.8
236 25.9 20.6 30.8

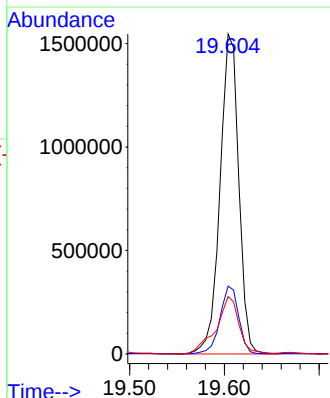
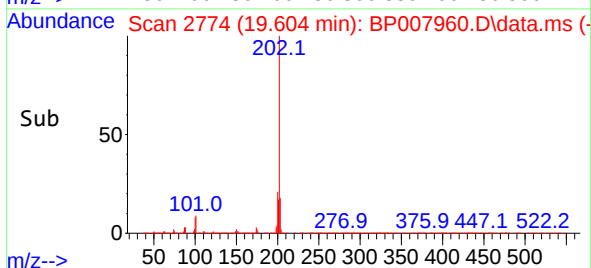
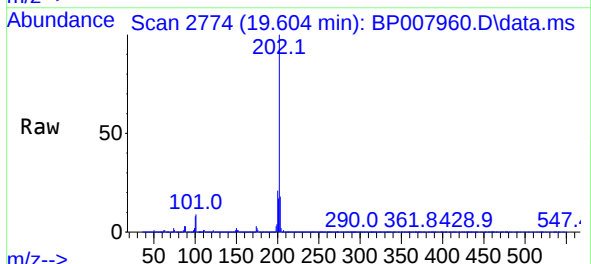
Manual Integrations
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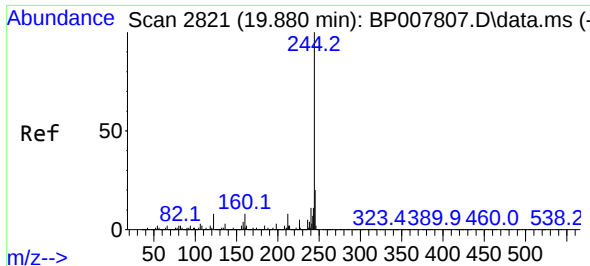
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#78
Pyrene
Concen: 32.455 ng
RT: 19.604 min Scan# 2774
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

Tgt Ion:202 Resp: 2127806
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.9 13.8 20.6





#79
Terphenyl-d14
Concen: 35.247 ng
RT: 19.804 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

Instrument :

BNA_P

ClientSampleId :

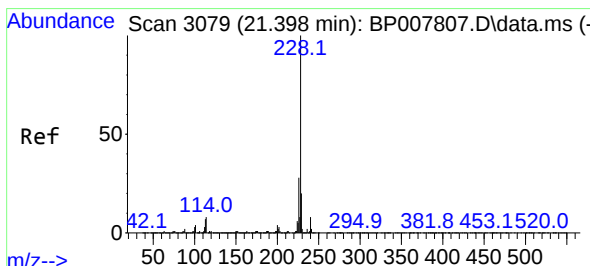
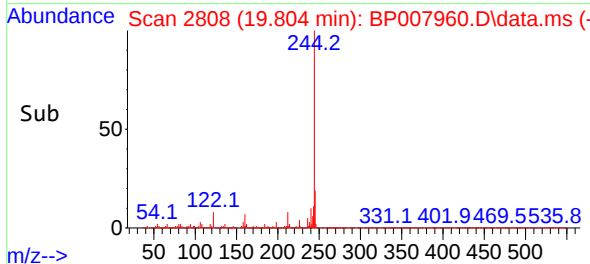
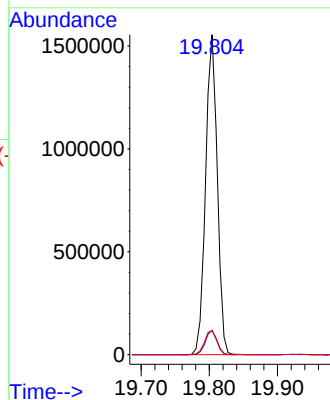
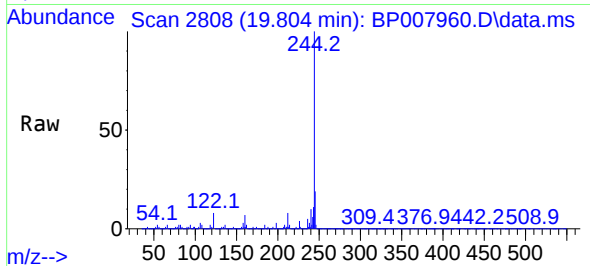
R-LA-5/6-WCDL

Tgt Ion:244 Resp: 185024
Ion Ratio Lower Upper
244 100
212 7.6 6.2 9.2
122 7.6 7.8 11.8

Manual Integrations

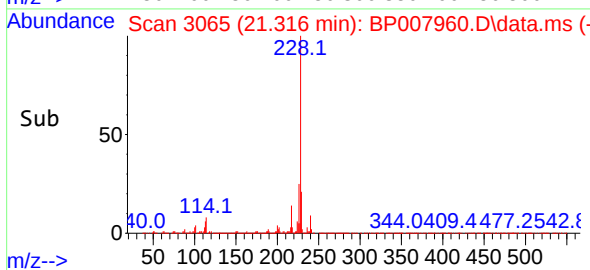
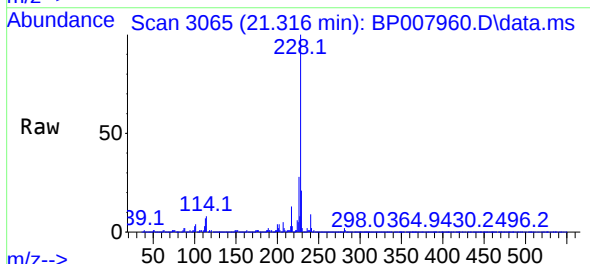
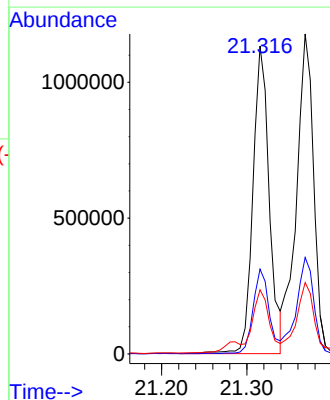
APPROVED

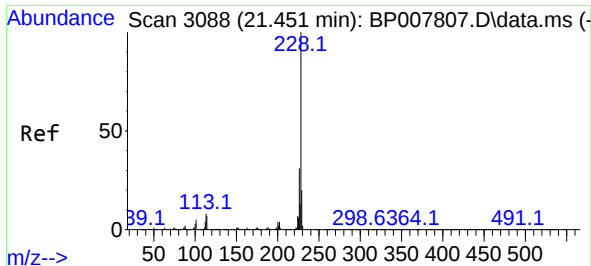
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#81
Benzo(a)anthracene
Concen: 21.401 ng
RT: 21.316 min Scan# 3065
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

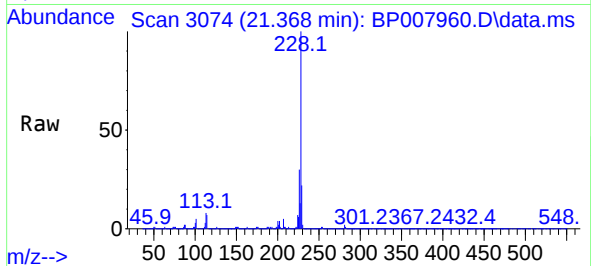
Tgt Ion:228 Resp: 1507092
Ion Ratio Lower Upper
228 100
226 27.6 21.8 32.6
229 20.8 15.7 23.5





#83
Chrysene
Concen: 24.785 ng
RT: 21.368 min Scan# 3088
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

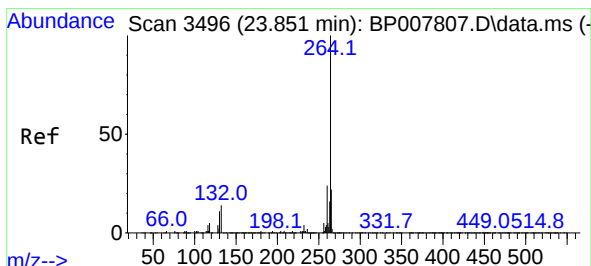
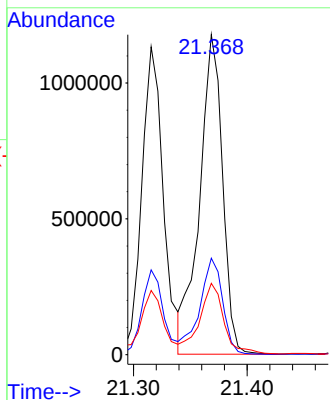
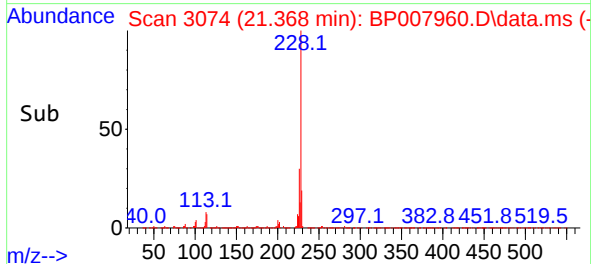
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WCDL



Tgt Ion:228 Resp: 1652329
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 22.3 15.7 23.5

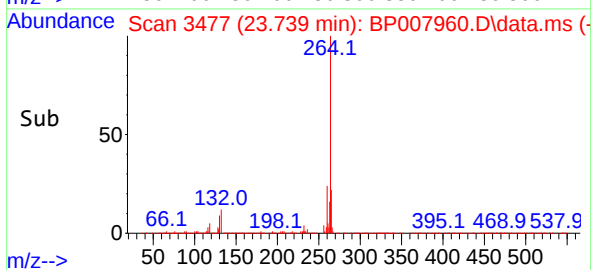
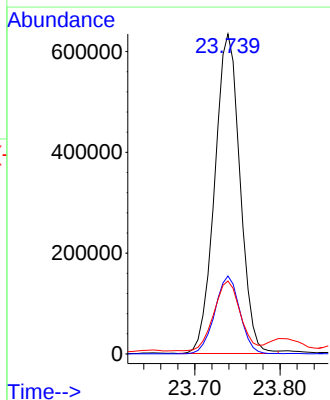
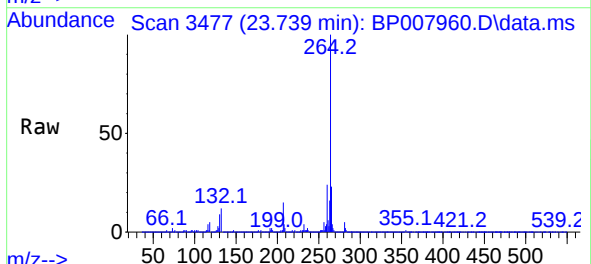
Manual Integrations
APPROVED

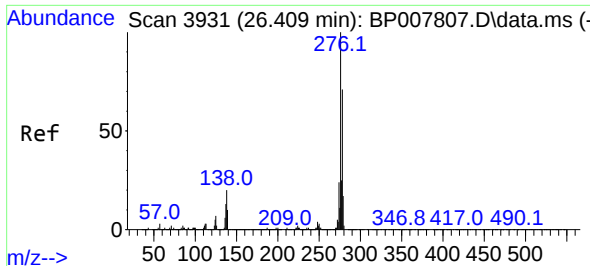
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.739 min Scan# 3477
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

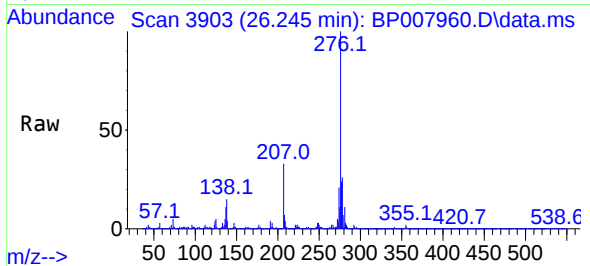
Tgt Ion:264 Resp: 1308344
Ion Ratio Lower Upper
264 100
260 24.3 19.1 28.7
265 22.8 16.7 25.1





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.634 ng
 RT: 26.245 min Scan# 3903
 Delta R.T. -0.030 min
 Lab File: BP007960.D
 Acq: 11 Nov 2021 23:27

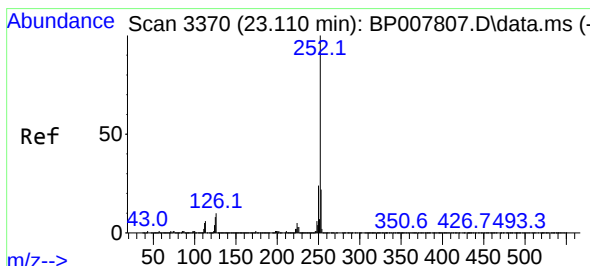
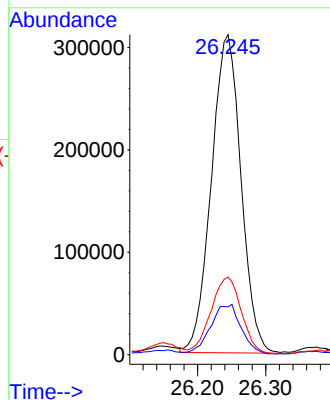
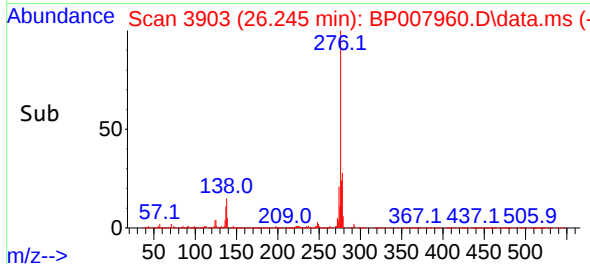
Instrument :
 BNA_P
 ClientSampleId :
 R-LA-5/6-WCDL



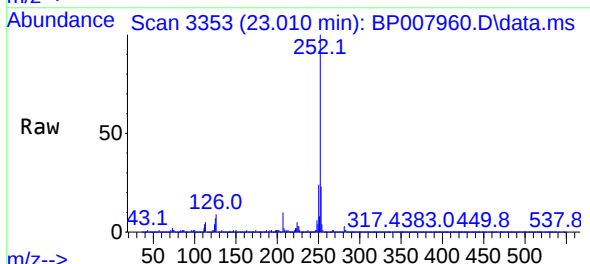
Tgt Ion:276 Resp: 93958
 Ion Ratio Lower Upper
 276 100
 138 16.0 19.4 29.0
 277 24.8 20.2 30.2

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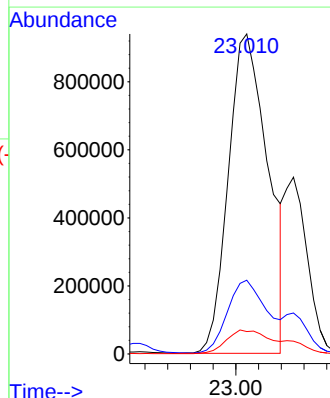
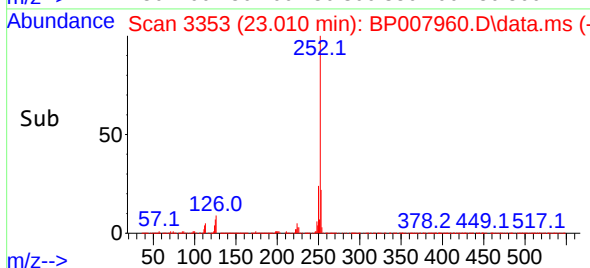
Reviewed By :Jagrut Upadhyay 11/12/2021
 Supervised By :mohammad ahmed 11/17/2021

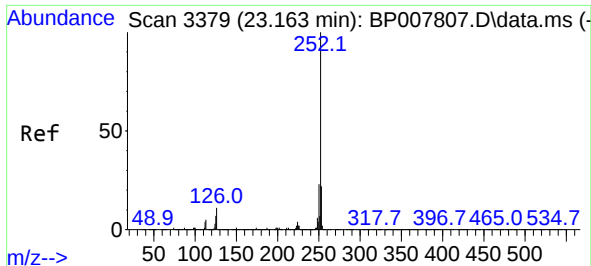


#88
 Benzo(b)fluoranthene
 Concen: 29.497 ng
 RT: 23.010 min Scan# 3353
 Delta R.T. -0.006 min
 Lab File: BP007960.D
 Acq: 11 Nov 2021 23:27



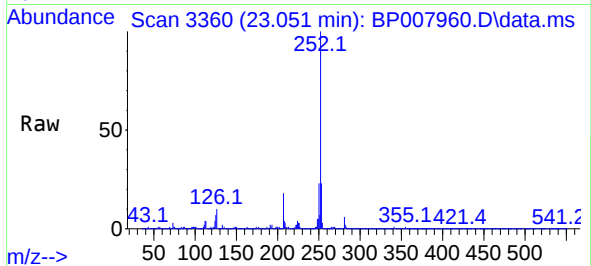
Tgt Ion:252 Resp: 2274895
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.2
 125 7.0 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 9.349 ng m
RT: 23.051 min Scan# 31
Delta R.T. -0.018 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

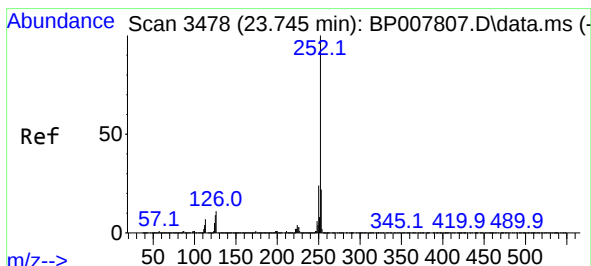
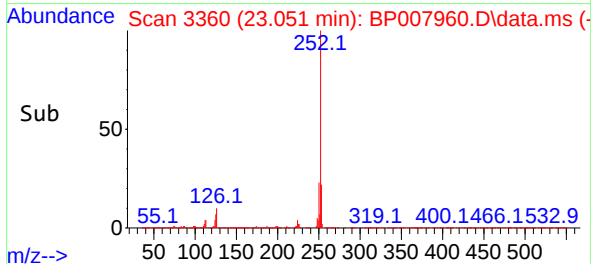
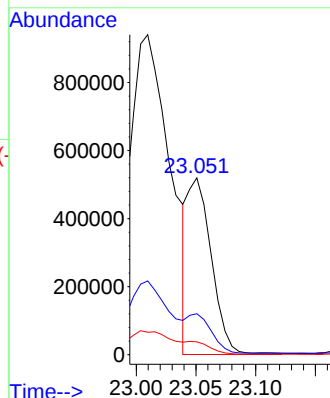
Instrument :
BNA_P
ClientSampleId :
R-LA-5/6-WCDL



Tgt Ion:252 Resp: 715628
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 7.3 7.4 11.0

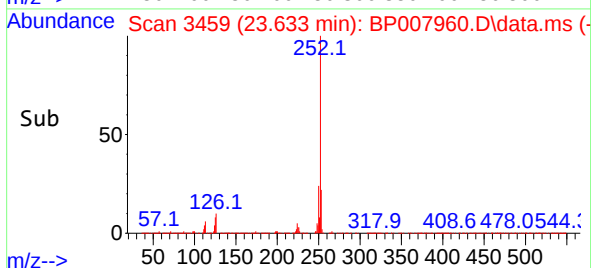
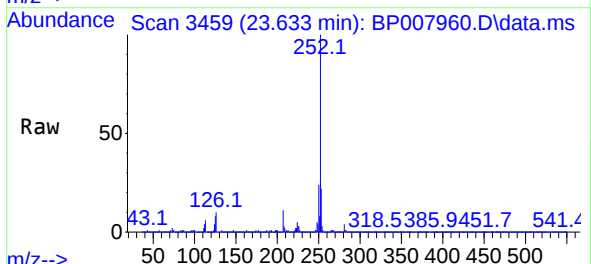
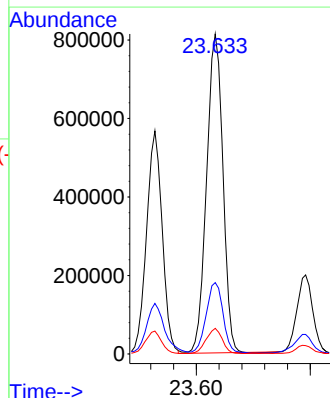
Manual Integrations
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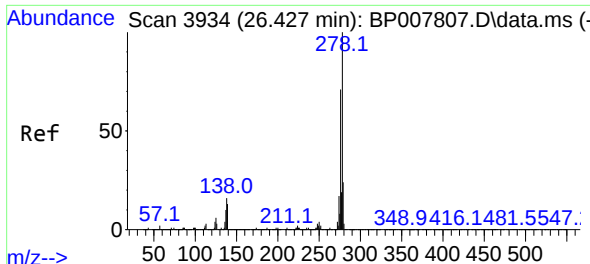
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#90
Benzo(a)pyrene
Concen: 24.145 ng m
RT: 23.633 min Scan# 3459
Delta R.T. -0.012 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

Tgt Ion:252 Resp: 1612400
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 8.0 8.4 12.6





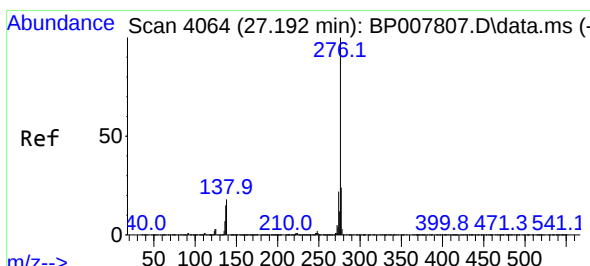
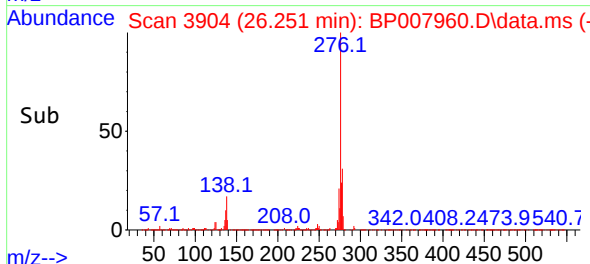
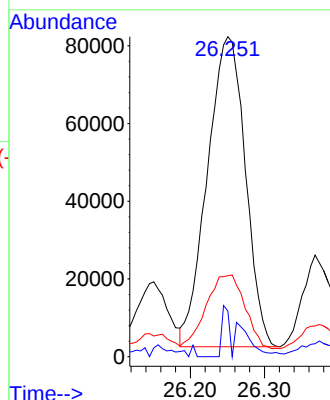
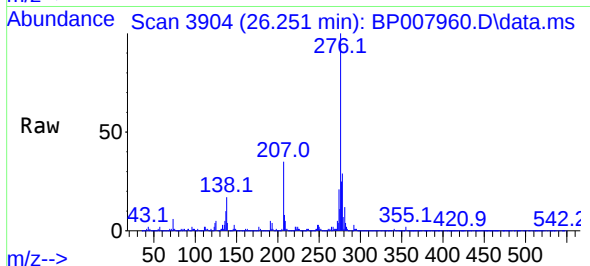
#91
Dibenzo(a,h)anthracene
Concen: 3.517 ng
RT: 26.251 min Scan# 3934
Delta R.T. -0.036 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

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

Tgt Ion:278 Resp: 284278
Ion Ratio Lower Upper
278 100
139 14.2 11.8 17.6
279 25.3 18.6 27.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#92
Benzo(g,h,i)perylene
Concen: 11.099 ng
RT: 27.021 min Scan# 4035
Delta R.T. -0.024 min
Lab File: BP007960.D
Acq: 11 Nov 2021 23:27

Tgt Ion:276 Resp: 889971
Ion Ratio Lower Upper
276 100
277 25.0 19.4 29.0
138 16.2 16.2 24.4#

