

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031422\
 Data File : BP009386.D
 Acq On : 14 Mar 2022 17:26
 Operator : CG/JU
 Sample : N1908-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-8-9-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/15/2022
 Supervised By : mohammad ahmed 03/16/2022

Quant Time: Mar 15 01:00:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 01:55:59 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.816	152	265757	20.000	ng	0.00
21) Naphthalene-d8	10.616	136	935900	20.000	ng	# 0.00
39) Acenaphthene-d10	14.475	164	580482	20.000	ng	0.01
64) Phenanthrene-d10	17.234	188	1211594	20.000	ng	# 0.01
76) Chrysene-d12	21.339	240	1448631	20.000	ng	0.01
86) Perylene-d12	23.751	264	1670599	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.423	112	1550514	85.163	ng	0.01
7) Phenol-d6	7.011	99	1765163	76.293	ng	0.02
23) Nitrobenzene-d5	8.969	82	1180051	69.447	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	896378	127.883	ng	0.01
45) 2-Fluorobiphenyl	13.087	172	2260277	53.548	ng	0.00
79) Terphenyl-d14	19.804	244	4309272	56.137	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.034	94	60838	2.539	ng	# 57
38) 1-Methylnaphthalene	12.510	142	2823270	83.248	ng	# 98
52) Acenaphthene	14.534	154	302283	8.503	ng	# 77
55) Dibenzofuran	14.875	168	654903	12.162	ng	# 1
58) Fluorene	15.528	166	1139504	27.022	ng	# 84
71) Phenanthrene	17.275	178	3167181	45.485	ng	# 91
72) Anthracene	17.369	178	350268	5.054	ng	# 41
75) Fluoranthene	19.251	202	981112	12.207	ng	87
78) Pyrene	19.604	202	1625932	16.624	ng	# 92
81) Benzo(a)anthracene	21.322	228	2343079	23.863	ng	# 91
83) Chrysene	21.375	228	4070830	42.702	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.263	276	750189	5.780	ng	96
88) Benzo(b)fluoranthene	23.016	252	1412354m	12.521	ng	
89) Benzo(k)fluoranthene	23.057	252	273923m	2.542	ng	
90) Benzo(a)pyrene	23.639	252	1314600	12.288	ng	93
91) Dibenzo(a,h)anthracene	26.274	278	942414	8.563	ng	# 84
92) Benzo(g,h,i)perylene	27.033	276	1029275	9.466	ng	96

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

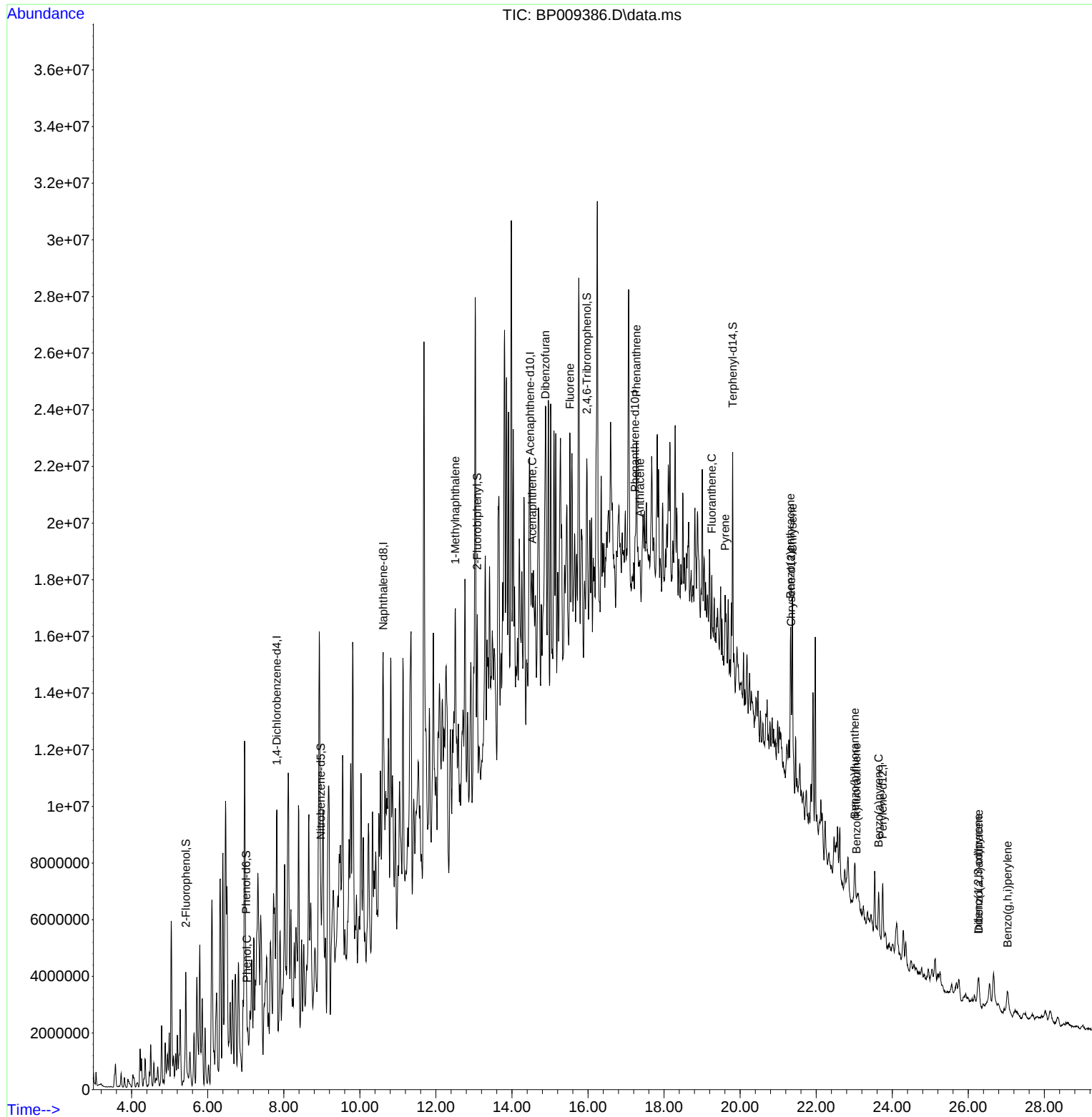
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031422\
Data File : BP009386.D
Acq On : 14 Mar 2022 17:26
Operator : CG/JU
Sample : N1908-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

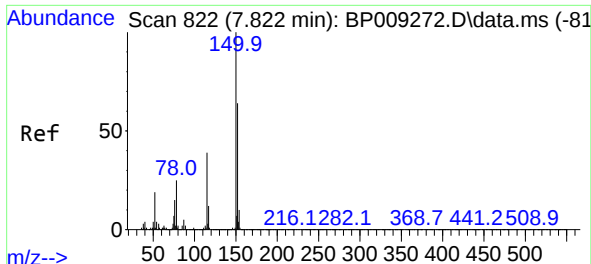
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3

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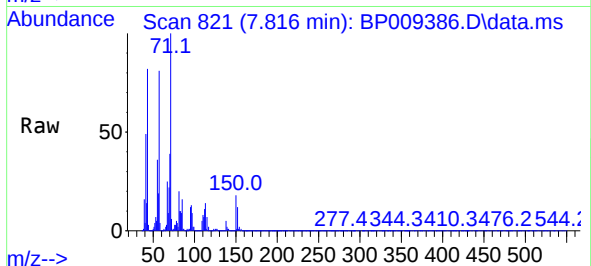
Quant Time: Mar 15 01:00:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 05 01:55:59 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.816 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

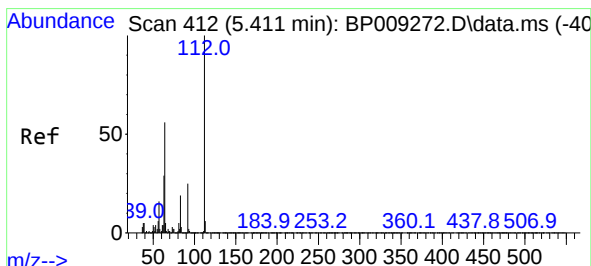
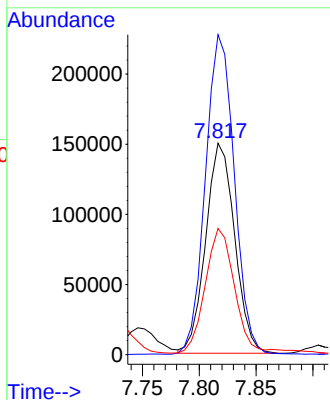
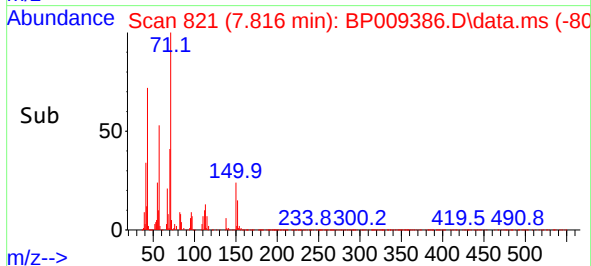
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



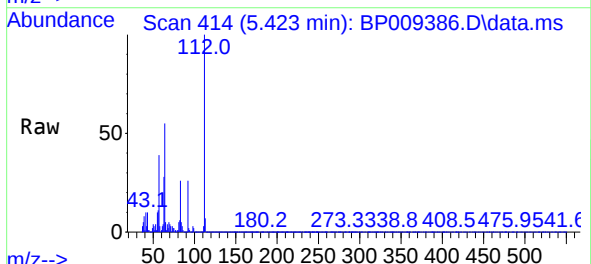
Tgt Ion:152 Resp: 26575
Ion Ratio Lower Upper
152 100
150 151.3 124.5 186.7
115 59.7 48.2 72.4

Manual Integrations
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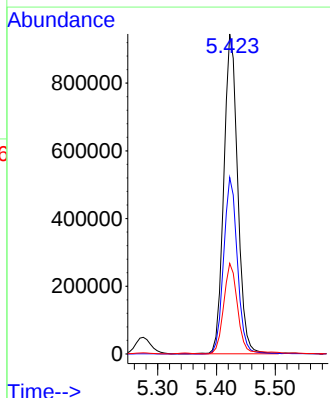
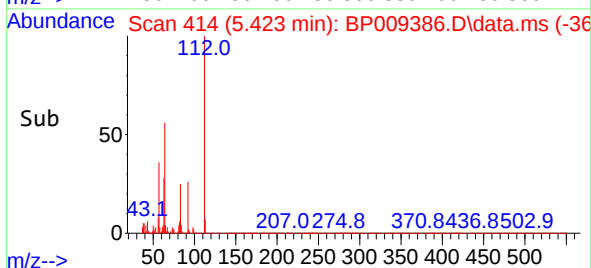
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

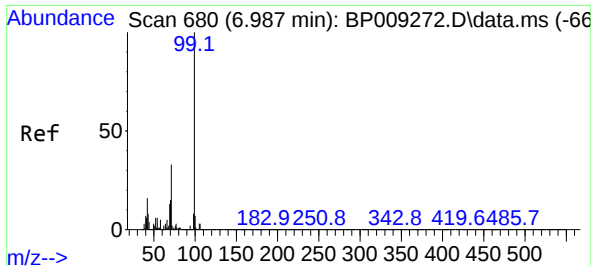


#5
2-Fluorophenol
Concen: 85.163 ng
RT: 5.423 min Scan# 414
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26



Tgt Ion:112 Resp: 1550514
Ion Ratio Lower Upper
112 100
64 55.1 45.0 67.4
63 28.3 23.0 34.6





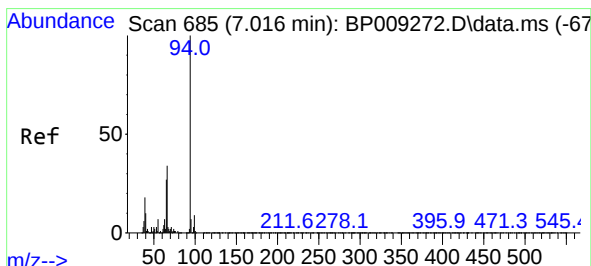
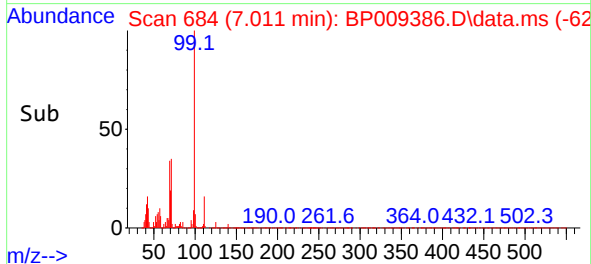
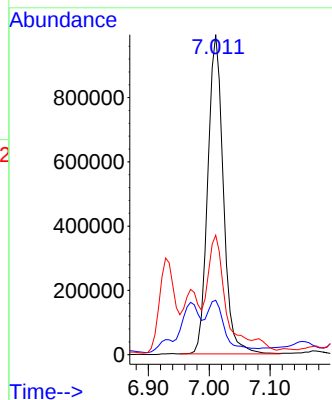
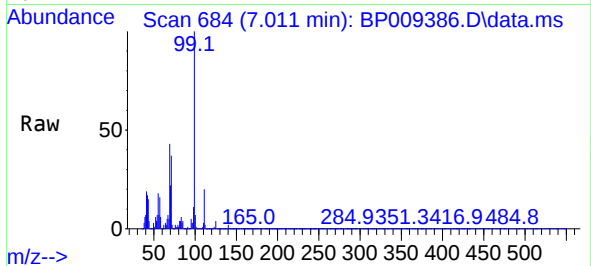
#7
Phenol-d6
Concen: 76.293 ng
RT: 7.011 min Scan# 680
Delta R.T. 0.024 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

Instrument :
BNA_P
Client SampleId :
WC-8-9-3

Tgt Ion: 99 Resp: 176516
Ion Ratio Lower Upper
99 100
42 17.0 12.8 19.2
71 37.4 26.3 39.5

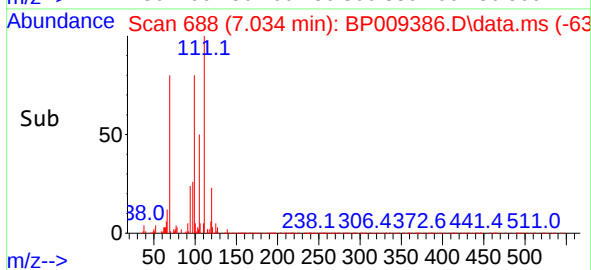
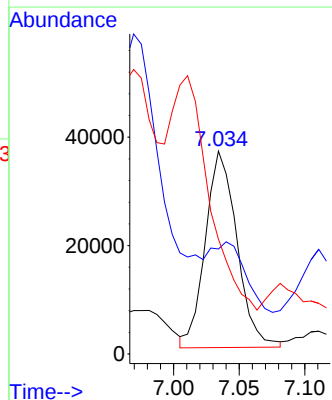
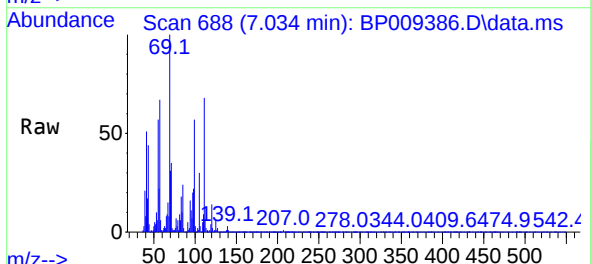
Manual Integrations
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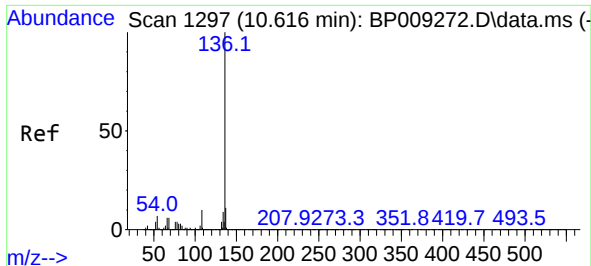
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#10
Phenol
Concen: 2.539 ng
RT: 7.034 min Scan# 688
Delta R.T. 0.018 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

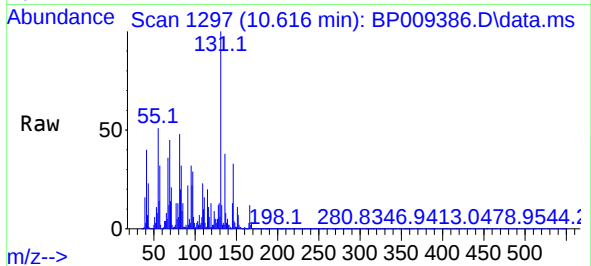
Tgt Ion: 94 Resp: 60838
Ion Ratio Lower Upper
94 100
65 51.8 7.2 47.2#
66 56.7 14.3 54.3#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.616 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

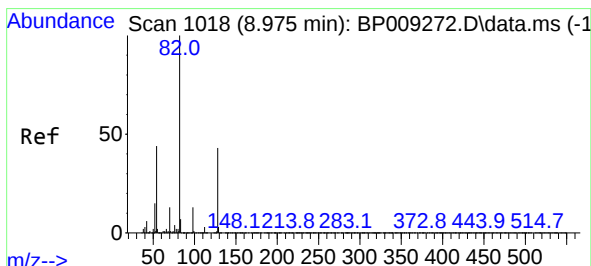
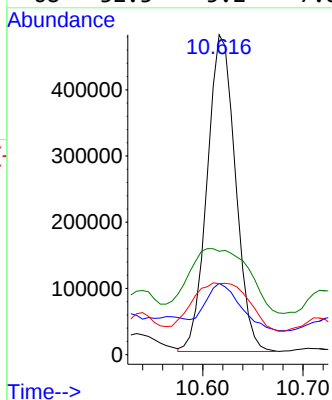
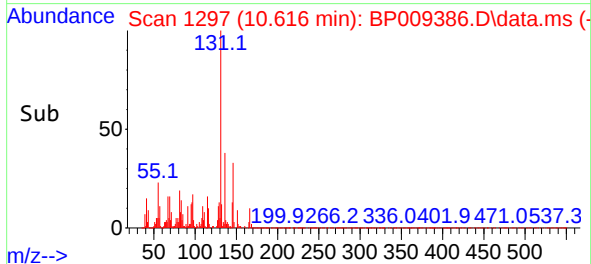
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



Tgt Ion: 136 Resp: 935900
Ion Ratio Lower Upper
136 100
137 22.3 8.6 12.8
54 22.2 5.8 8.8
68 32.3 5.2 7.8

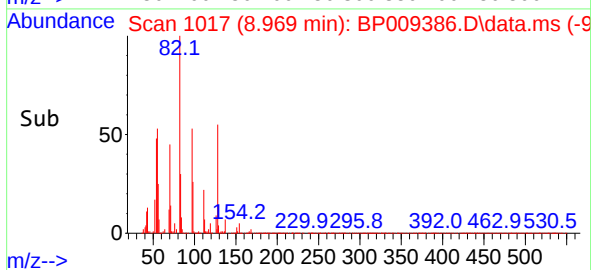
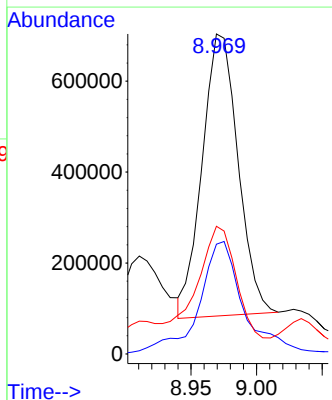
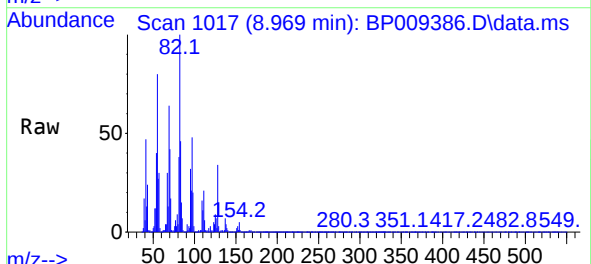
Manual Integrations
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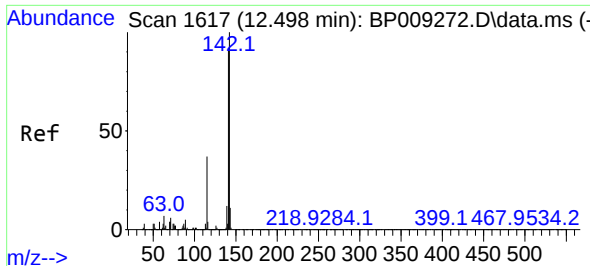
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#23
Nitrobenzene-d5
Concen: 69.447 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

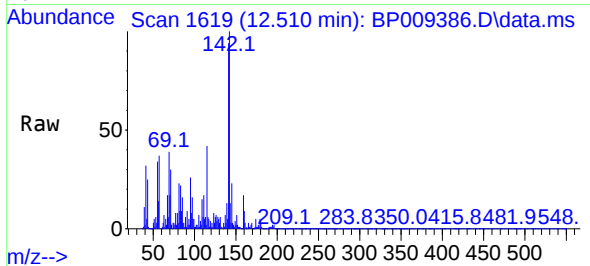
Tgt Ion: 82 Resp: 1180051
Ion Ratio Lower Upper
82 100
128 34.3 34.2 51.4
54 39.9 34.7 52.1





#38
1-Methylnaphthalene
Concen: 83.248 ng
RT: 12.510 min Scan# 1619
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

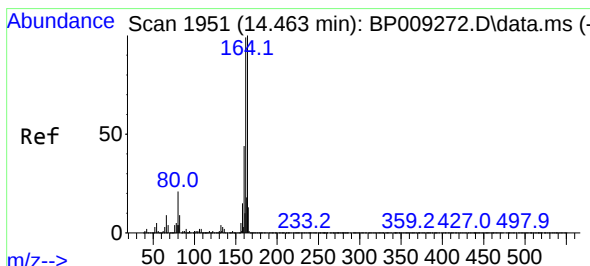
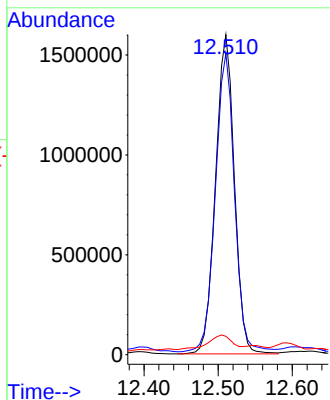
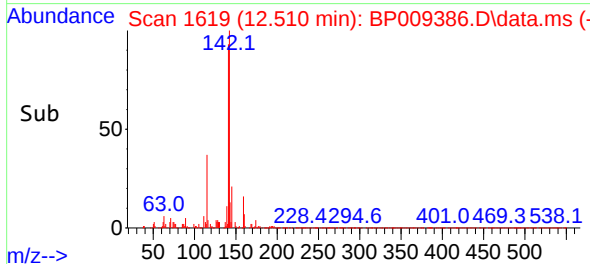
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



Tgt Ion:142 Resp: 2823270
Ion Ratio Lower Upper
142 100
141 94.1 73.5 110.3
116 5.8 3.3 4.9

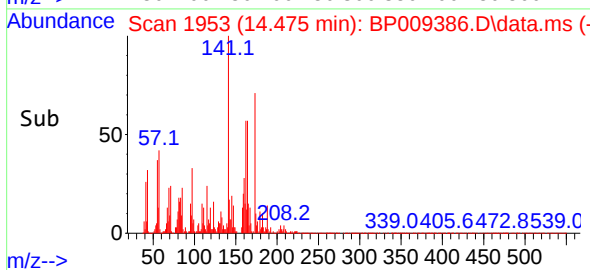
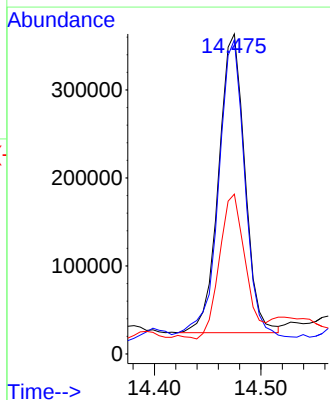
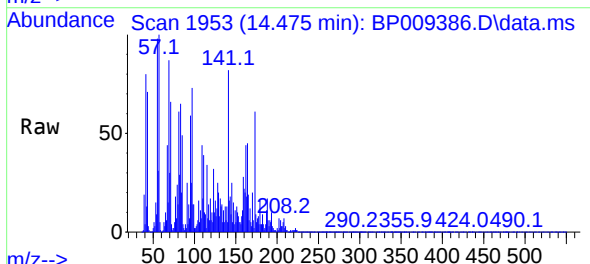
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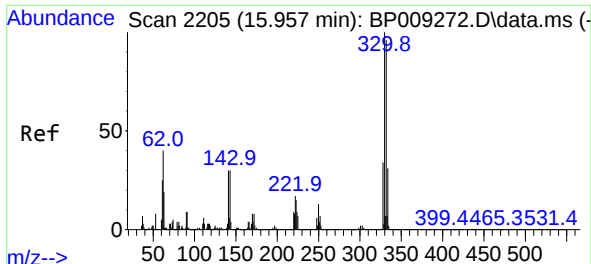
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.475 min Scan# 1953
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

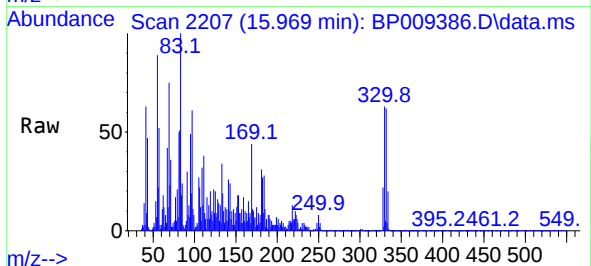
Tgt Ion:164 Resp: 580482
Ion Ratio Lower Upper
164 100
162 98.2 79.1 118.7
160 50.0 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 127.883 ng
RT: 15.969 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

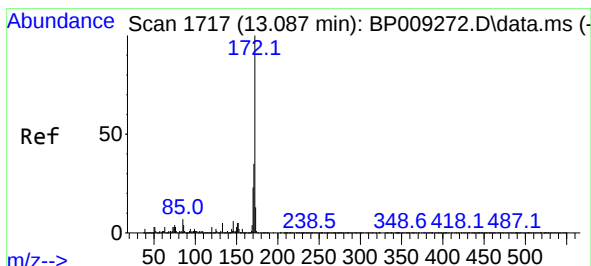
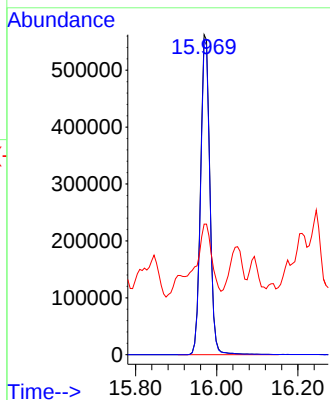
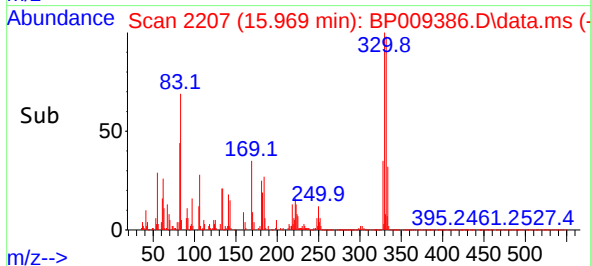
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



Tgt Ion:330 Resp: 896378
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.6
141 30.9 27.6 41.4

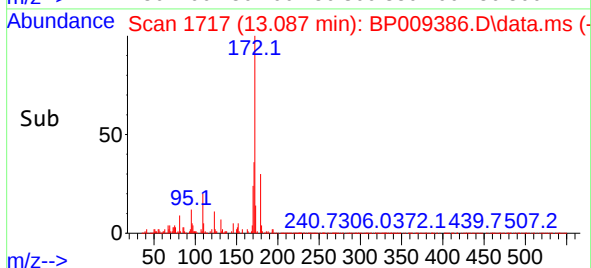
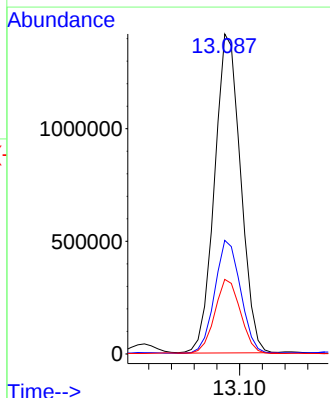
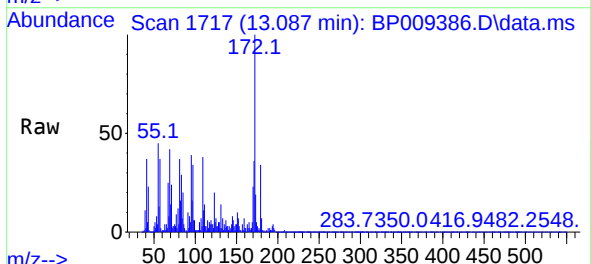
Manual Integrations
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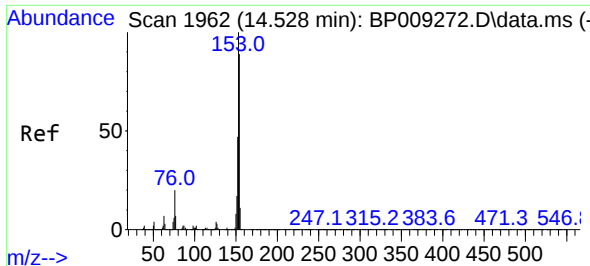
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#45
2-Fluorobiphenyl
Concen: 53.548 ng
RT: 13.087 min Scan# 1717
Delta R.T. -0.000 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

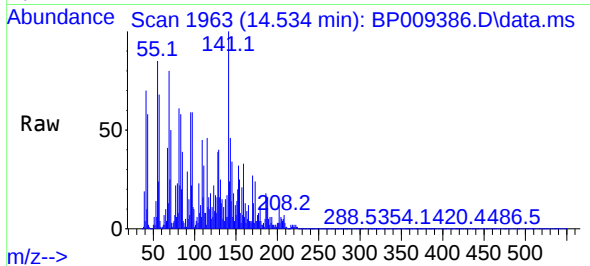
Tgt Ion:172 Resp: 2260277
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 23.3 18.6 27.8





#52
Acenaphthene
Concen: 8.503 ng
RT: 14.534 min Scan# 1962
Delta R.T. 0.006 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

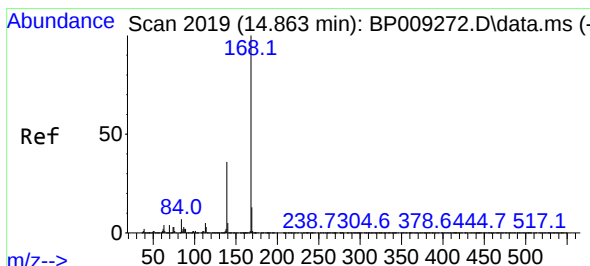
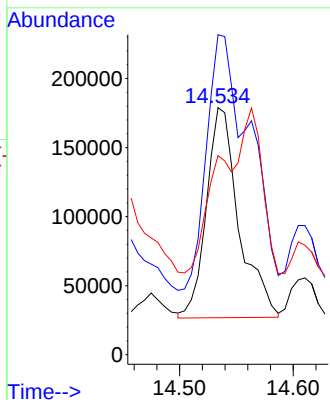
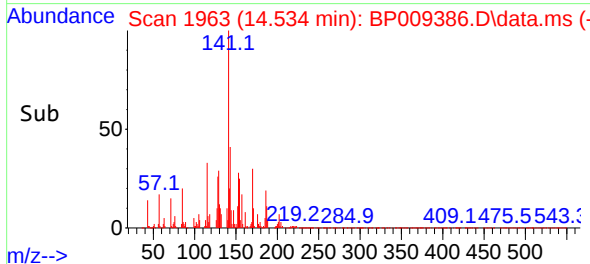
Instrument :
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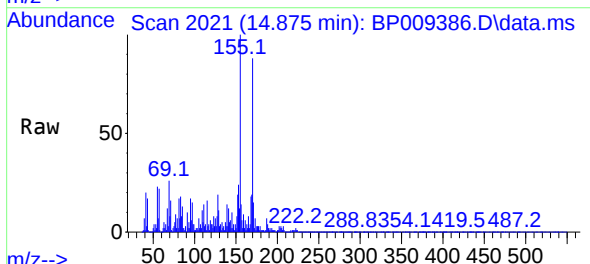
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Ion Ratio Lower Upper
154 100
153 129.5 90.2 135.4
152 80.5 42.7 64.1

Manual Integrations
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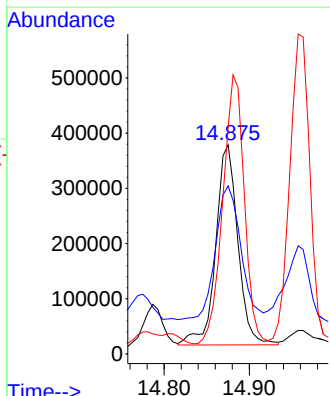
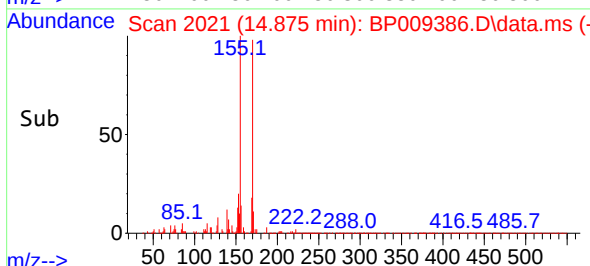
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

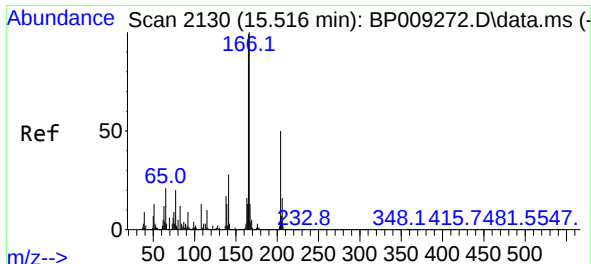


#55
Dibenzofuran
Concen: 12.162 ng
RT: 14.875 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26



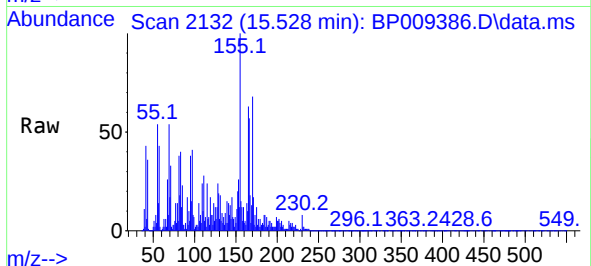
Tgt Ion:168 Resp: 654903
Ion Ratio Lower Upper
168 100
139 80.3 29.1 43.7#
169 108.3 10.6 16.0#





#58
Fluorene
Concen: 27.022 ng
RT: 15.528 min Scan# 2130
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

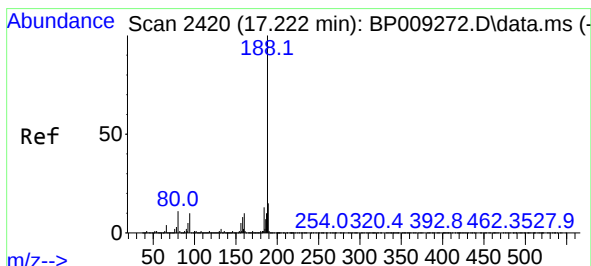
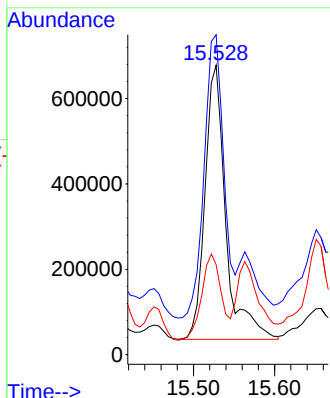
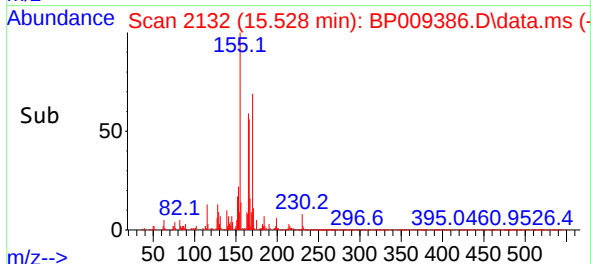
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



Tgt Ion:166 Resp: 1139504
Ion Ratio Lower Upper
166 100
165 110.6 79.2 118.8
167 31.1 10.7 16.1

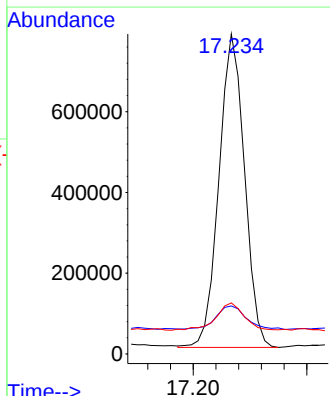
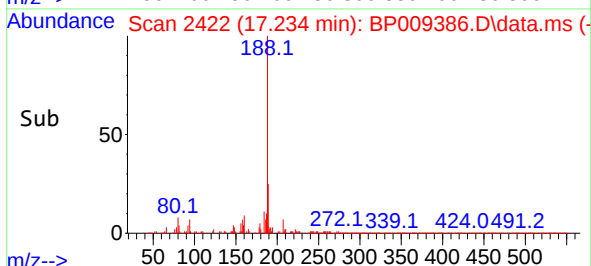
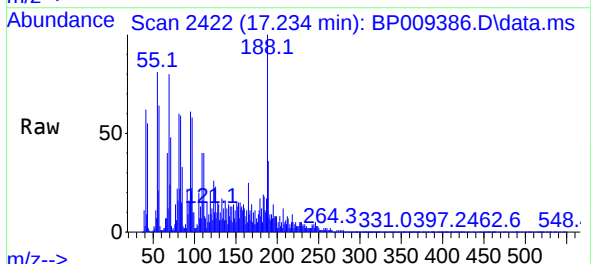
Manual Integrations
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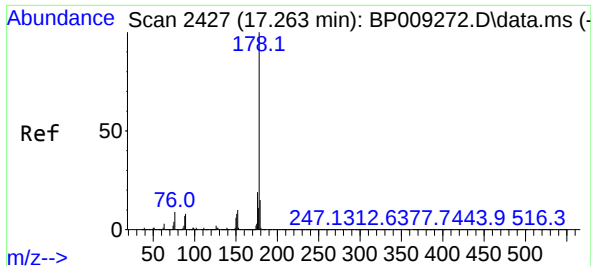
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.234 min Scan# 2422
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

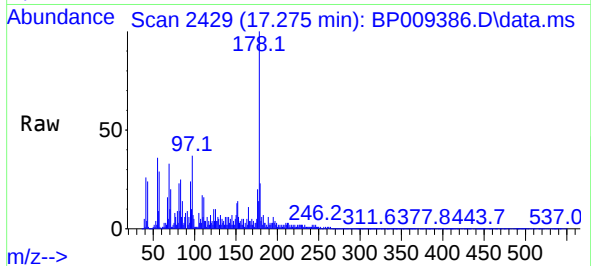
Tgt Ion:188 Resp: 1211594
Ion Ratio Lower Upper
188 100
94 15.0 7.9 11.9#
80 16.0 8.8 13.2#





#71
Phenanthrene
Concen: 45.485 ng
RT: 17.275 min Scan# 2429
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

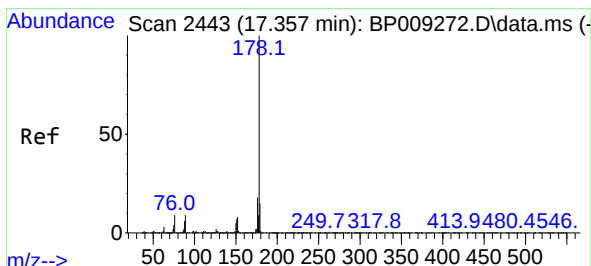
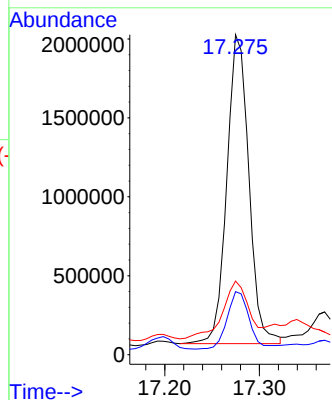
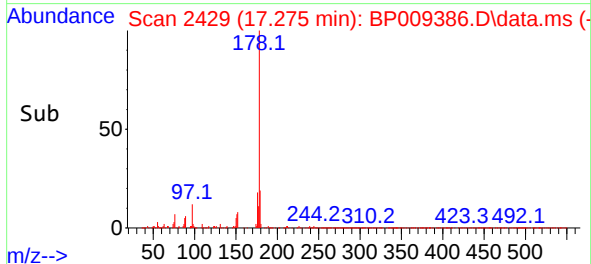
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



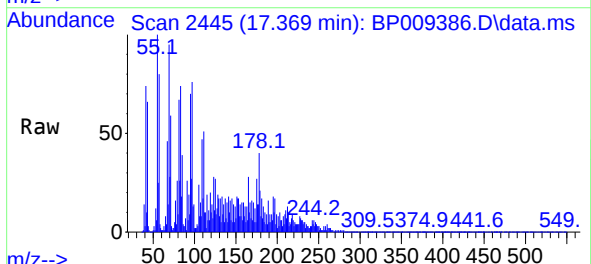
Tgt Ion:178 Resp: 316718
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.2
179 23.0 12.3 18.5

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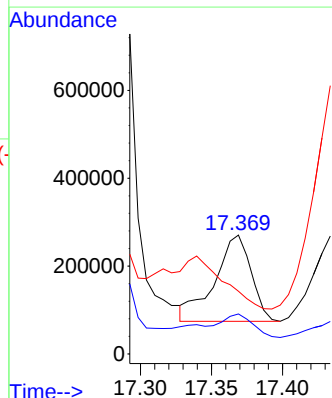
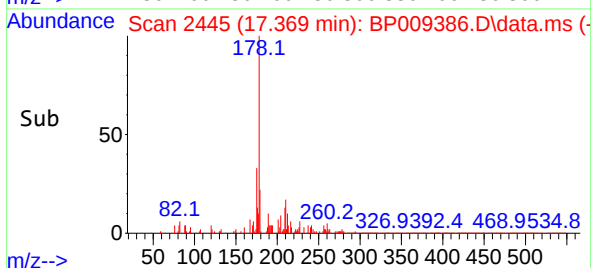
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

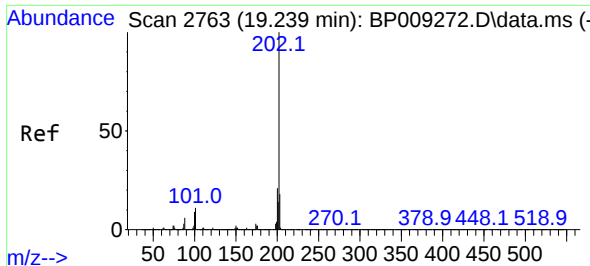


#72
Anthracene
Concen: 5.054 ng
RT: 17.369 min Scan# 2445
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26



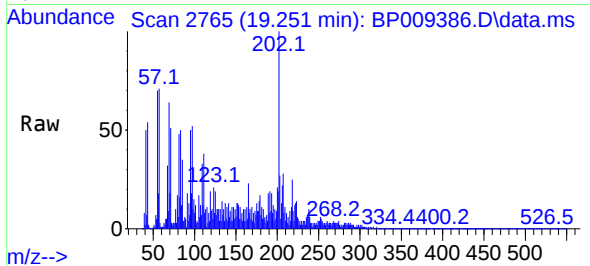
Tgt Ion:178 Resp: 350268
Ion Ratio Lower Upper
178 100
176 33.7 14.8 22.2#
179 52.8 12.2 18.4#





#75
Fluoranthene
Concen: 12.207 ng
RT: 19.251 min Scan# 2111
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

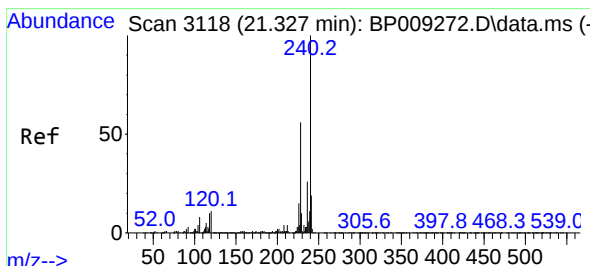
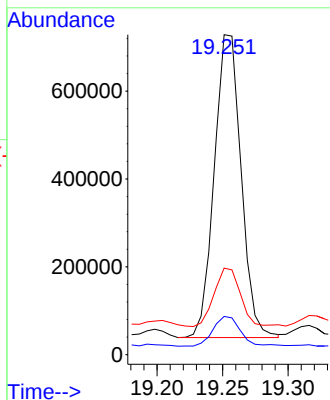
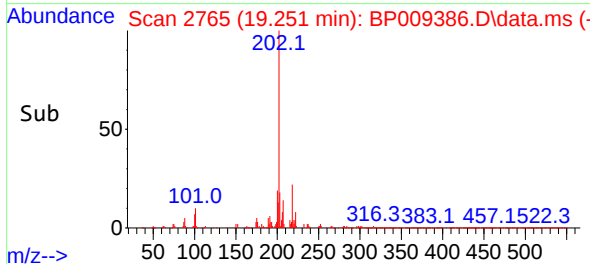
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



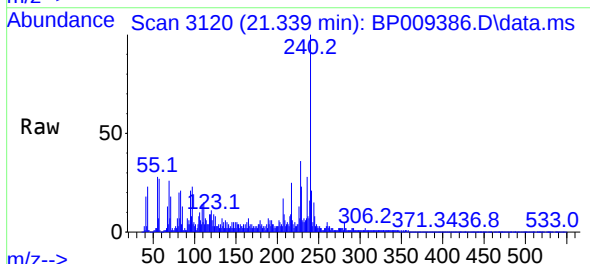
Tgt Ion:202 Resp: 981111
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.5
203 27.1 0.0 37.8

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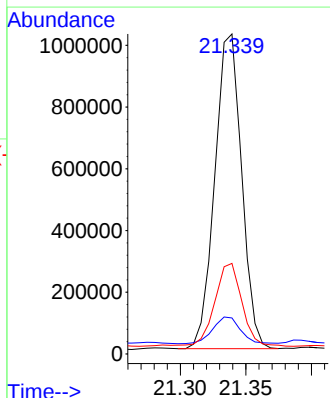
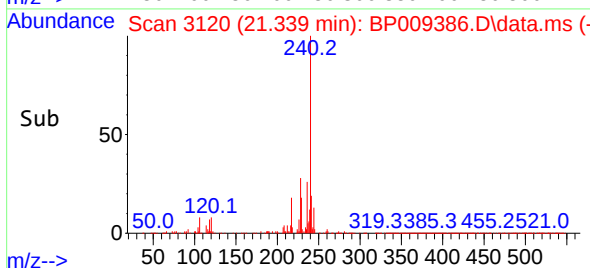
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

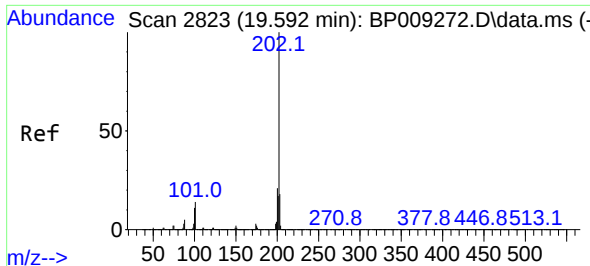


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26



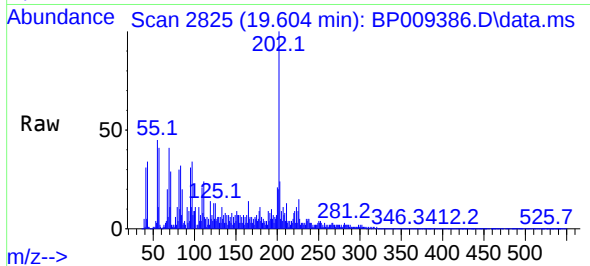
Tgt Ion:240 Resp: 1448631
Ion Ratio Lower Upper
240 100
120 11.3 9.0 13.4
236 28.3 20.6 30.8





#78
Pyrene
Concen: 16.624 ng
RT: 19.604 min Scan# 2825
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

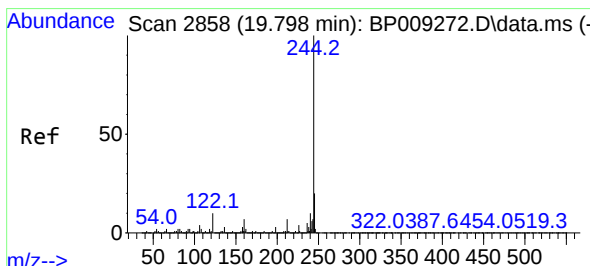
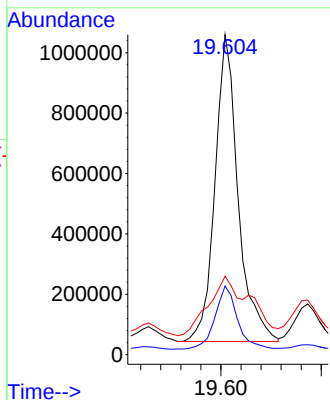
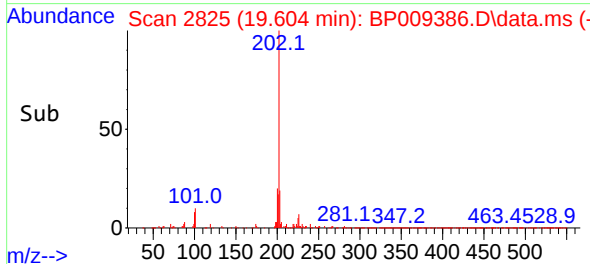
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



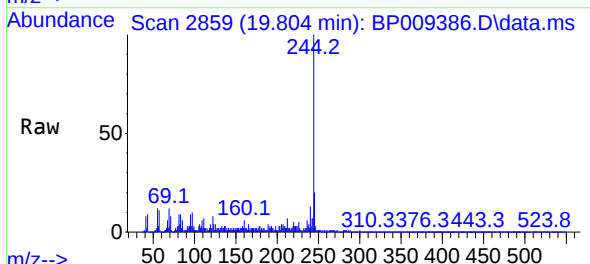
Tgt Ion:202 Resp: 162593
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 24.5 14.2 21.4

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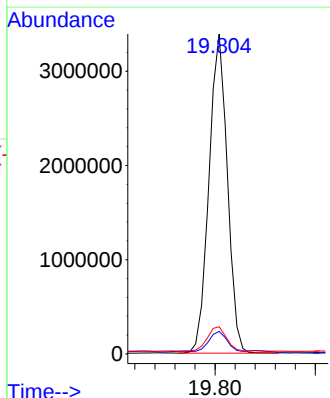
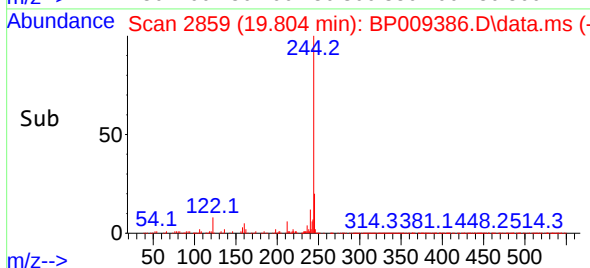
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

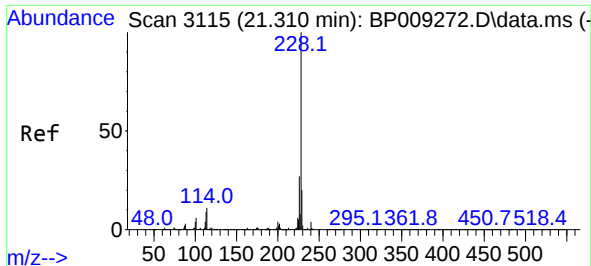


#79
Terphenyl-d14
Concen: 56.137 ng
RT: 19.804 min Scan# 2859
Delta R.T. 0.006 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26



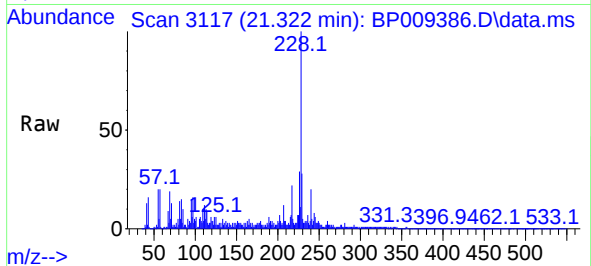
Tgt Ion:244 Resp: 4309272
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 8.5 8.3 12.5





#81
Benzo(a)anthracene
Concen: 23.863 ng
RT: 21.322 min Scan# 3117
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

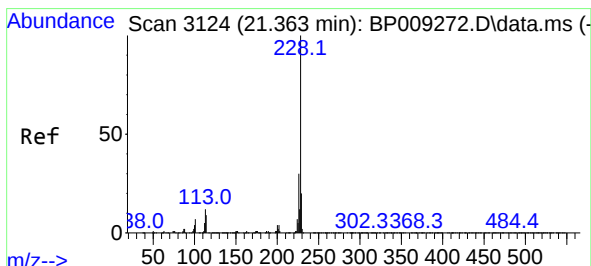
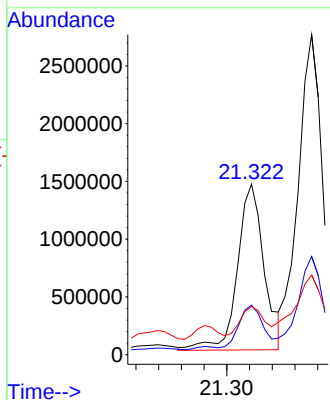
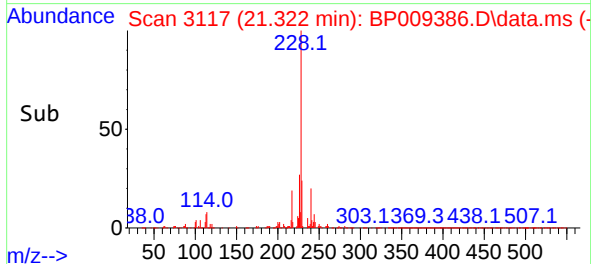
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



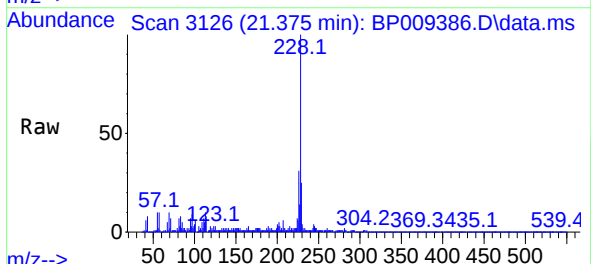
Tgt Ion:228 Resp: 2343079
Ion Ratio Lower Upper
228 100
226 29.0 22.0 33.0
229 28.2 16.1 24.1

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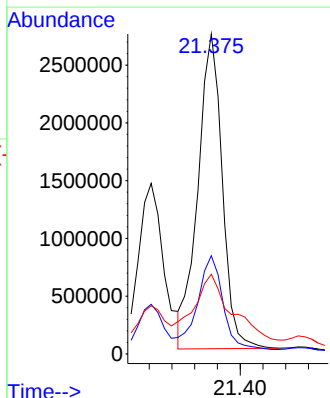
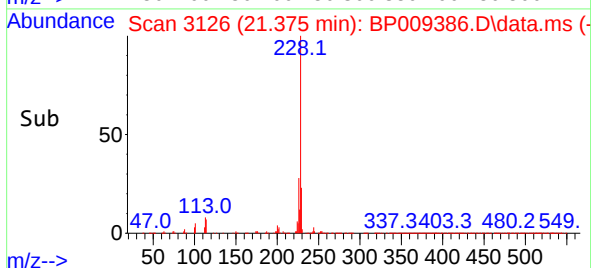
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

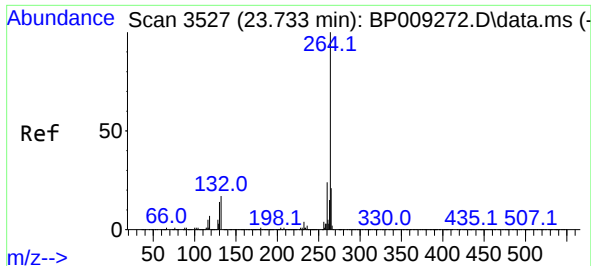


#83
Chrysene
Concen: 42.702 ng
RT: 21.375 min Scan# 3126
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26



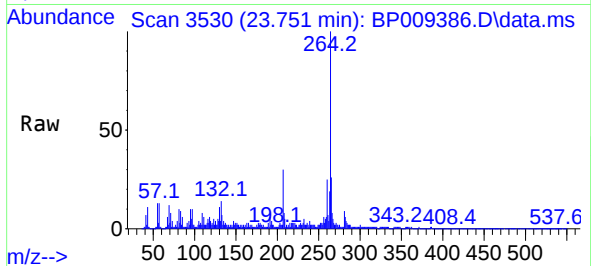
Tgt Ion:228 Resp: 4070830
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 24.9 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.751 min Scan# 3530
Delta R.T. 0.018 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

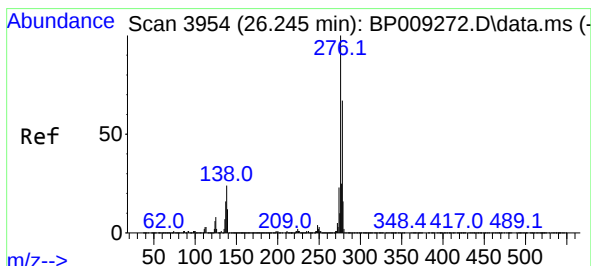
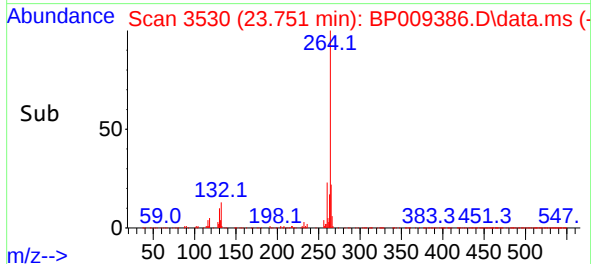
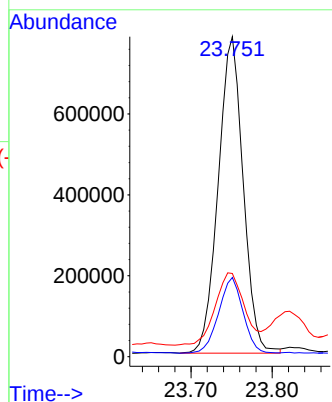
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



Tgt Ion:264 Resp: 1670599
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 26.0 17.2 25.8

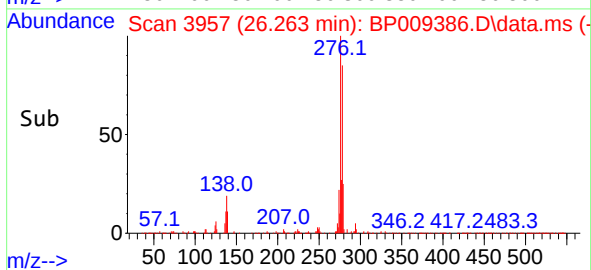
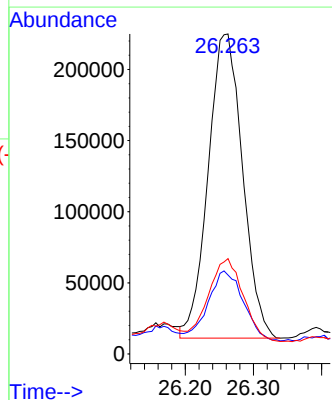
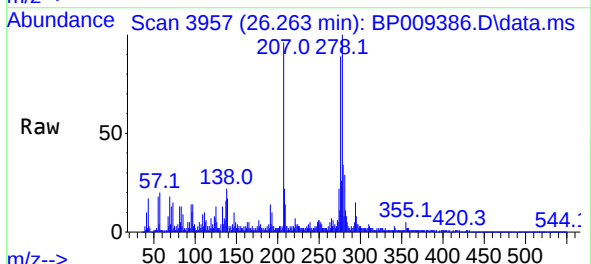
Manual Integrations
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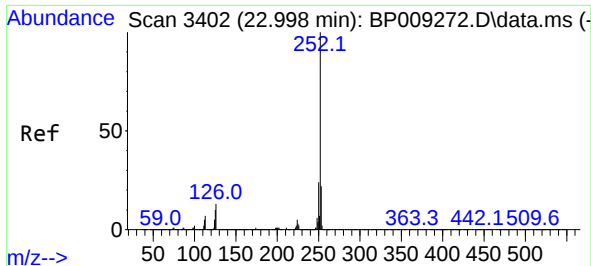
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.780 ng
RT: 26.263 min Scan# 3957
Delta R.T. 0.018 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

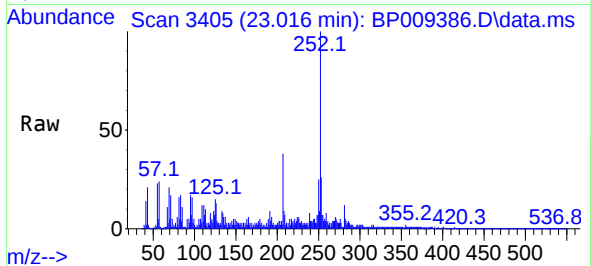
Tgt Ion:276 Resp: 750189
Ion Ratio Lower Upper
276 100
138 23.6 20.5 30.7
277 27.7 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 12.521 ng m
RT: 23.016 min Scan# 3405
Delta R.T. 0.018 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

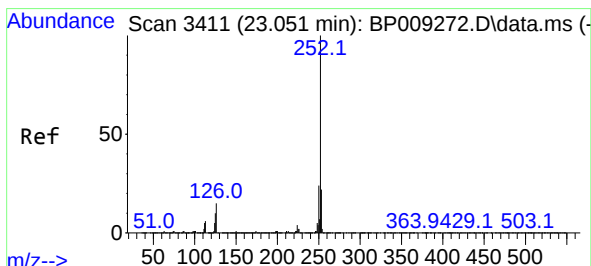
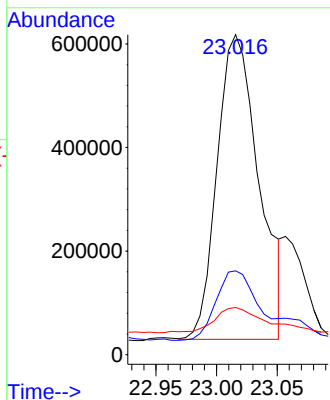
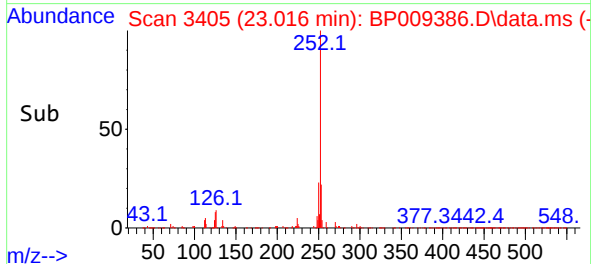
Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



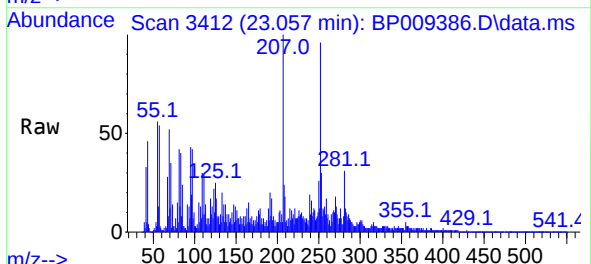
Tgt Ion:252 Resp: 1412354
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.8
125 14.7 8.1 12.1

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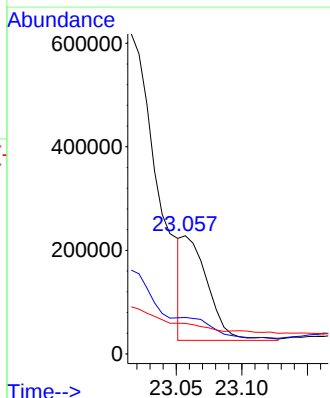
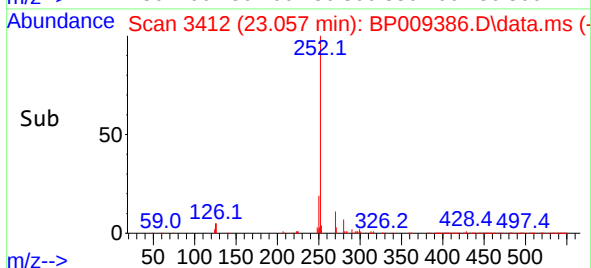
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022

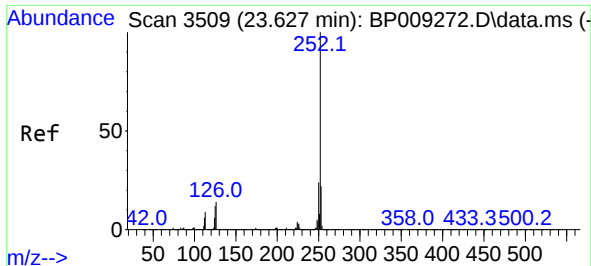


#89
Benzo(k)fluoranthene
Concen: 2.542 ng m
RT: 23.057 min Scan# 3412
Delta R.T. 0.006 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26



Tgt Ion:252 Resp: 273923
Ion Ratio Lower Upper
252 100
253 30.8 17.5 26.3#
125 25.8 8.3 12.5#





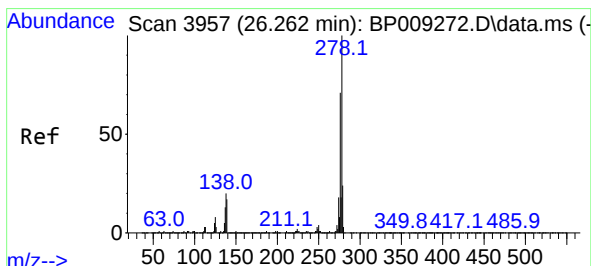
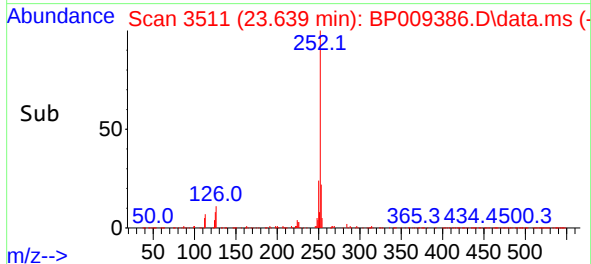
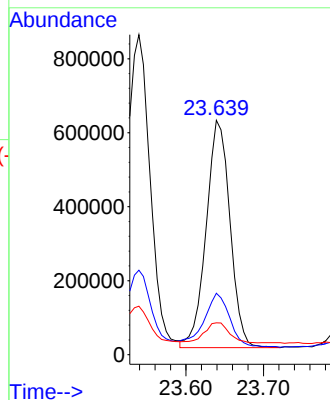
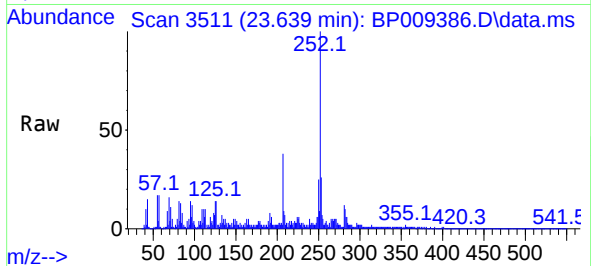
#90
Benzo(a)pyrene
Concen: 12.288 ng
RT: 23.639 min Scan# 31
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

Instrument :
BNA_P
ClientSampleId :
WC-8-9-3

Tgt Ion:252 Resp: 1314600
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.6
125 13.6 9.3 13.9

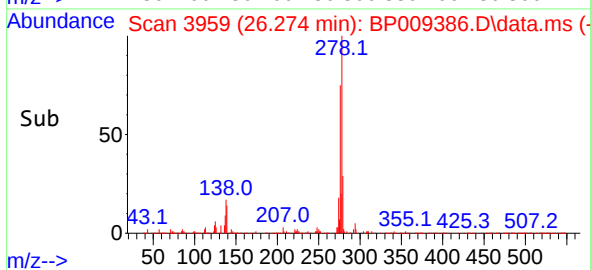
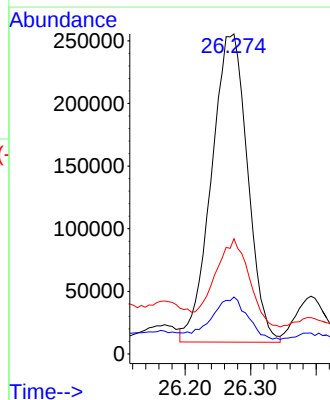
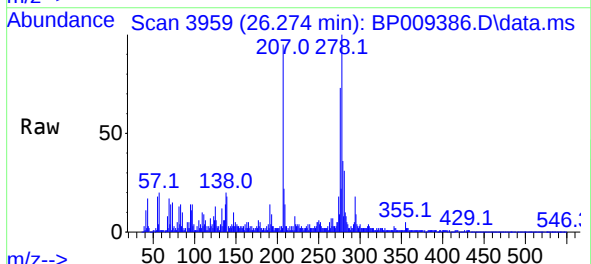
Manual Integrations
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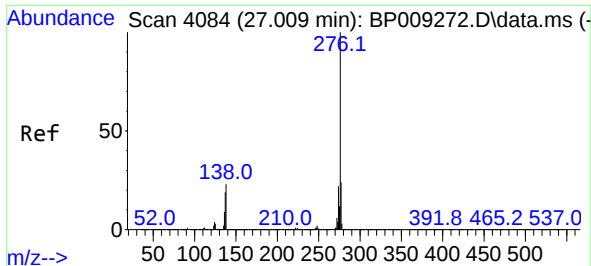
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :mohammad ahmed 03/16/2022



#91
Dibenzo(a,h)anthracene
Concen: 8.563 ng
RT: 26.274 min Scan# 3959
Delta R.T. 0.012 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

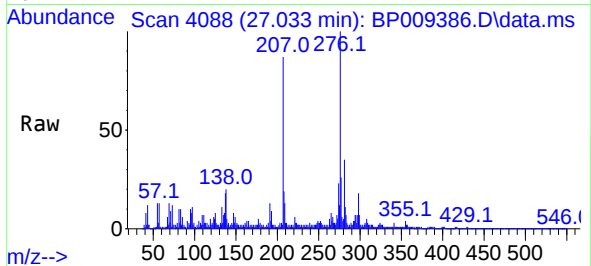
Tgt Ion:278 Resp: 942414
Ion Ratio Lower Upper
278 100
139 17.8 13.2 19.8
279 36.0 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 9.466 ng
RT: 27.033 min Scan# 4088
Delta R.T. 0.024 min
Lab File: BP009386.D
Acq: 14 Mar 2022 17:26

Instrument :
BNA_P
ClientSampleId :
WC-8-9-3



Tgt Ion: 276 Resp: 1029275
Ion Ratio Lower Upper
276 100
277 25.7 19.2 28.8
138 19.8 18.0 27.0

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Reviewed By : Christian Giraldo 03/15/2022
Supervised By : mohammad ahmed 03/16/2022

