

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021822\
 Data File : BP009222.D
 Acq On : 18 Feb 2022 19:49
 Operator : CG/JU
 Sample : N1579-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-4R-N(0-0.5)

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/21/2022
 Supervised By : Jagrut Upadhyay 02/21/2022

Quant Time: Feb 19 00:50:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 19 00:46:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	236222	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	946161	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	653449	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1433997	20.000	ng	0.00
76) Chrysene-d12	21.269	240	1388625	20.000	ng	-0.01
86) Perylene-d12	23.651	264	1171472	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1451585	109.615	ng	0.00
7) Phenol-d6	6.958	99	1898262	108.787	ng	0.00
23) Nitrobenzene-d5	8.928	82	1182491	70.480	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	1021224	117.049	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	3068762	65.742	ng	0.00
79) Terphenyl-d14	19.739	244	4627107	59.923	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.216	178	462827	5.961	ng	98
75) Fluoranthene	19.192	202	1083511	12.451	ng	96
78) Pyrene	19.545	202	1121310	11.351	ng	98
81) Benzo(a)anthracene	21.257	228	533198	5.958	ng	98
83) Chrysene	21.310	228	580709m	6.732	ng	
87) Indeno(1,2,3-cd)pyrene	26.145	276	272565	3.131	ng	# 94
88) Benzo(b)fluoranthene	22.933	252	632420	8.769	ng	99
89) Benzo(k)fluoranthene	22.974	252	206517m	2.870	ng	
90) Benzo(a)pyrene	23.551	252	425201	7.072	ng	98
92) Benzo(g,h,i)perylene	26.910	276	284237	3.991	ng	98

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

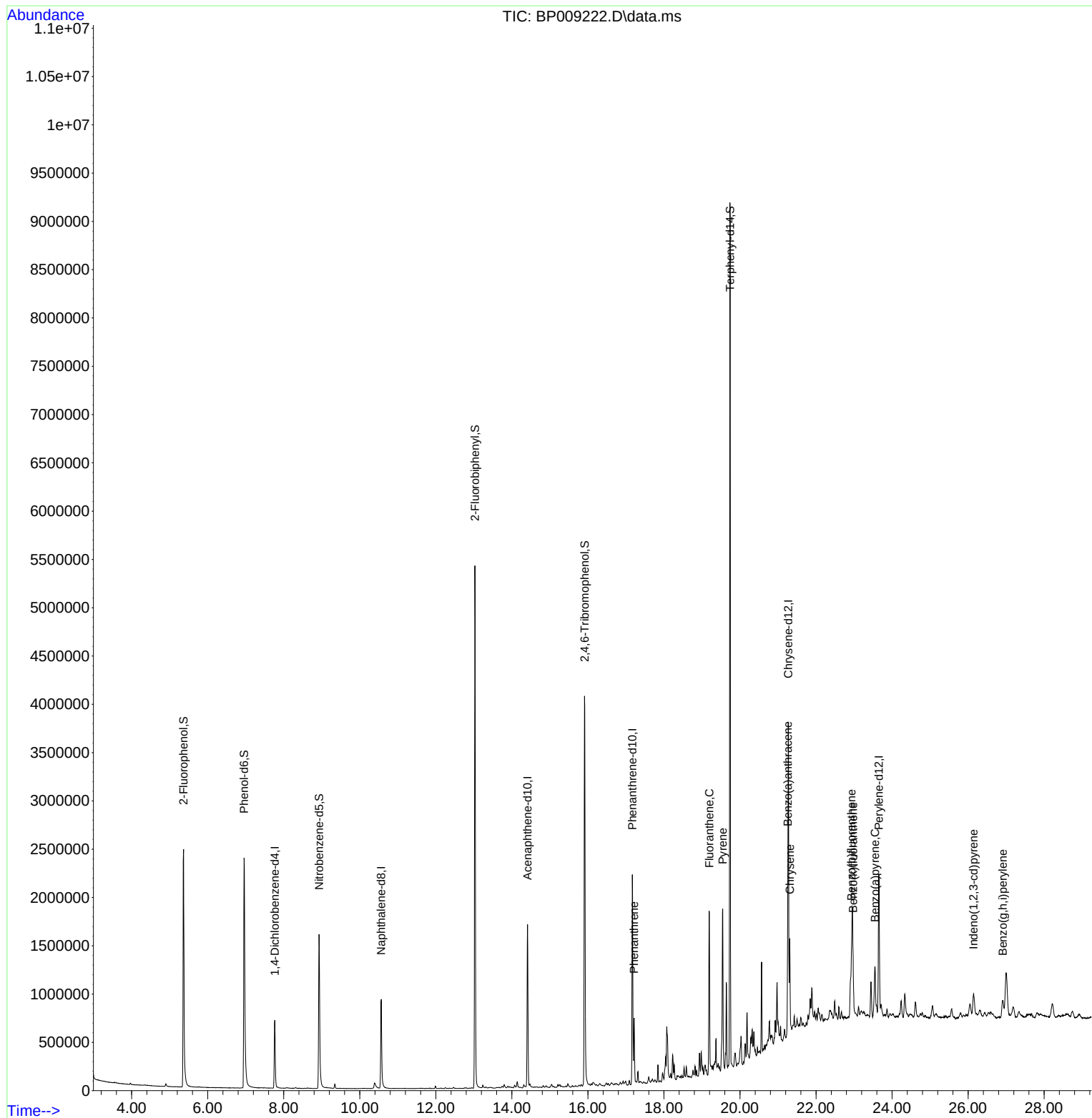
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Data File : BP009222.D
Acq On : 18 Feb 2022 19:49
Operator : CG/JU
Sample : N1579-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

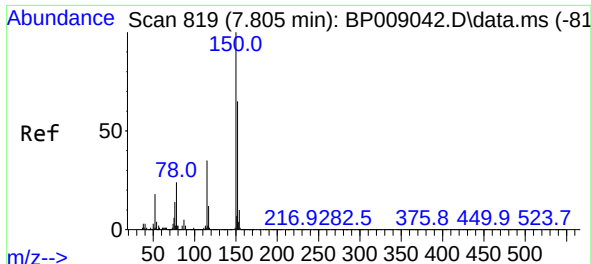
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Quant Time: Feb 19 00:50:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 19 00:46:08 2022
Response via : Initial Calibration

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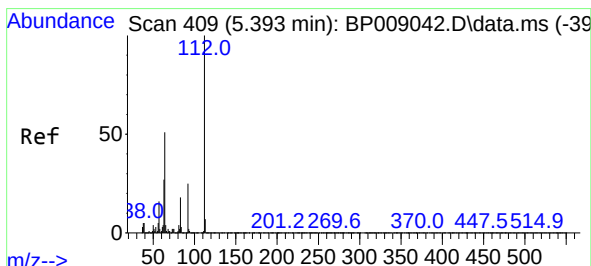
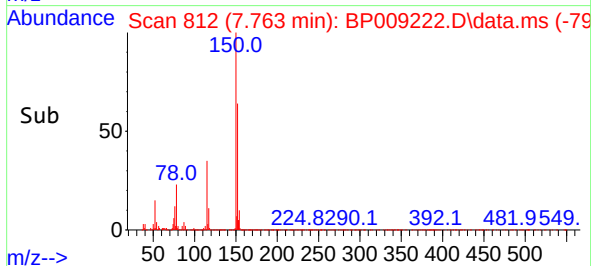
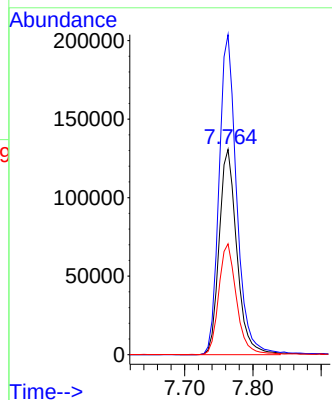
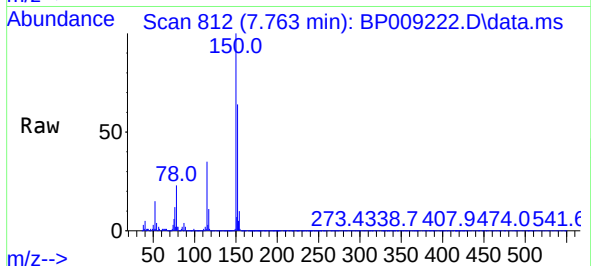
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Tgt Ion:152 Resp: 23622
Ion Ratio Lower Upper
152 100
150 155.9 127.0 190.6
115 54.0 43.7 65.5

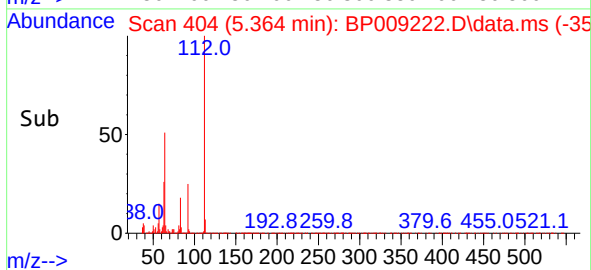
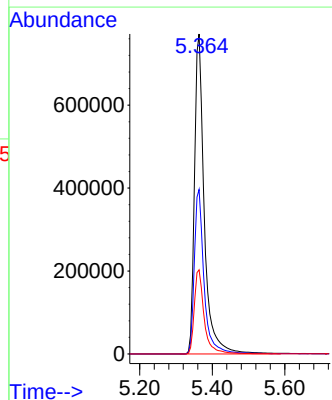
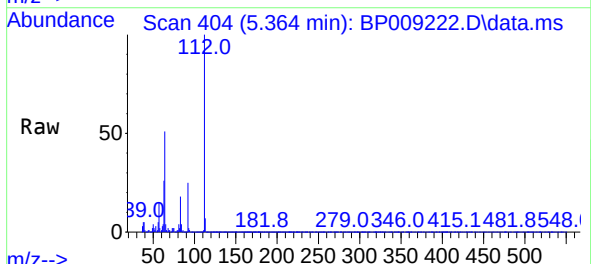
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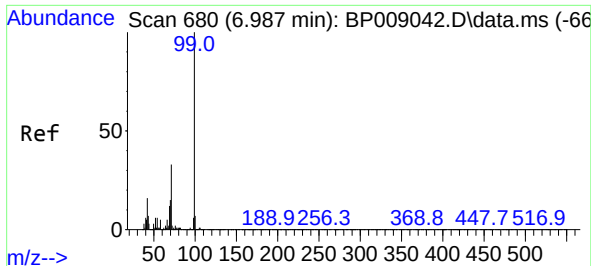
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#5
2-Fluorophenol
Concen: 109.615 ng
RT: 5.364 min Scan# 404
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:112 Resp: 1451585
Ion Ratio Lower Upper
112 100
64 51.4 39.7 59.5
63 26.3 20.0 30.0





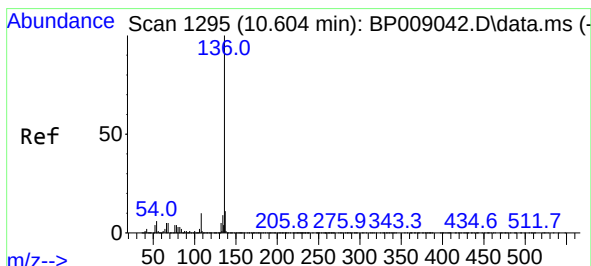
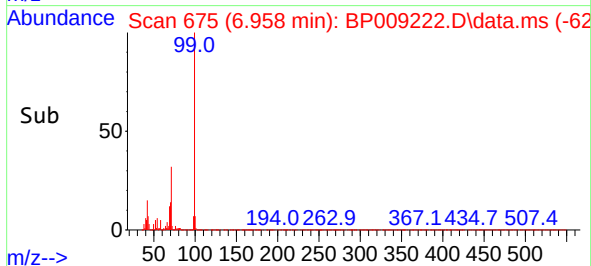
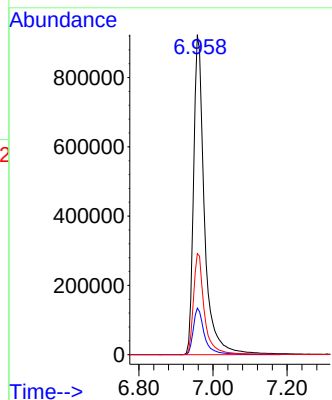
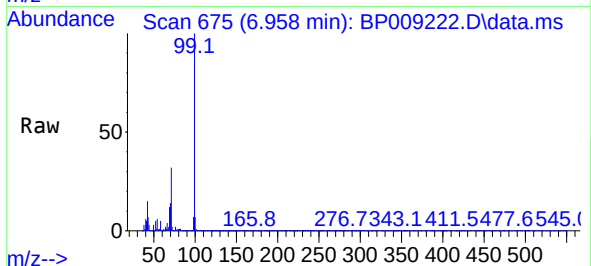
#7
Phenol-d6
Concen: 108.787 ng
RT: 6.958 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Tgt Ion: 99 Resp: 189826
Ion Ratio Lower Upper
99 100
42 14.6 10.8 16.2
71 31.6 23.8 35.6

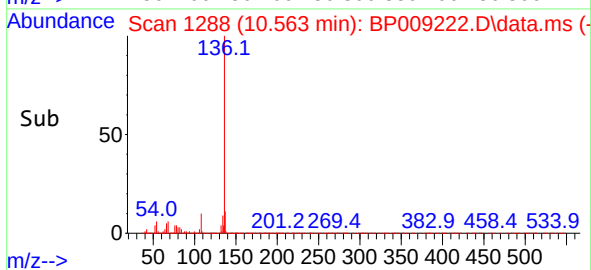
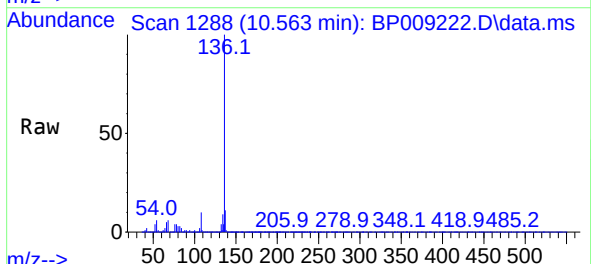
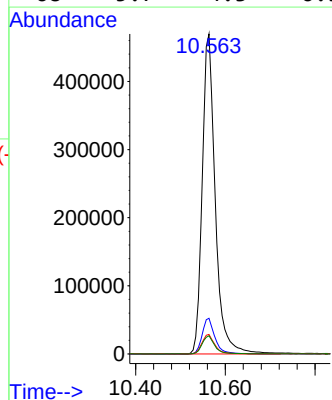
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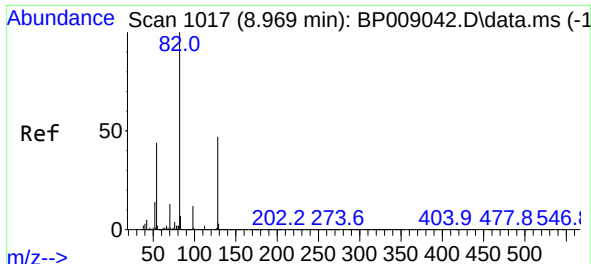
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

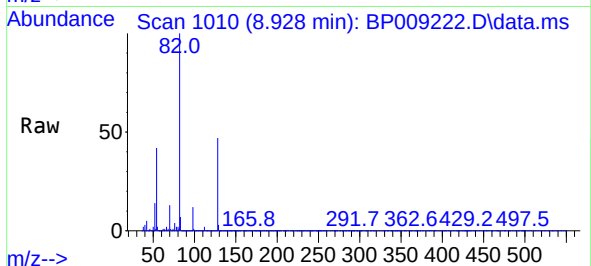
Tgt Ion:136 Resp: 946161
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 6.1 4.9 7.3
68 5.7 4.3 6.5





#23
Nitrobenzene-d5
Concen: 70.480 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

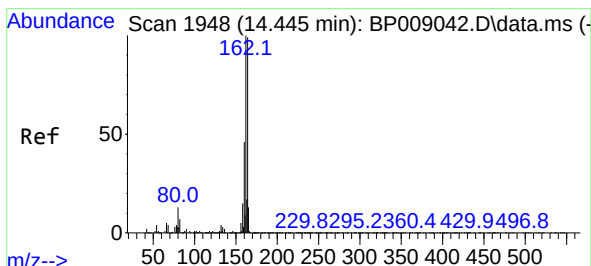
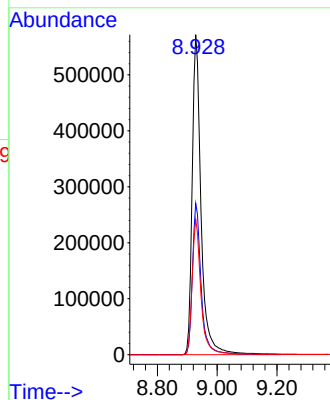
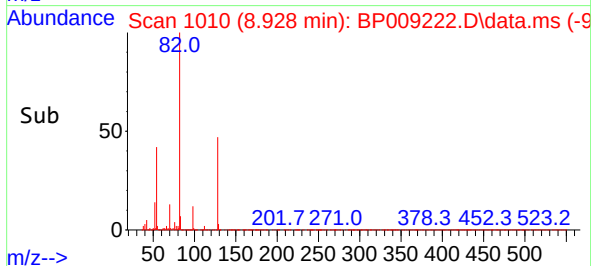
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)



Tgt Ion: 82 Resp: 118249
Ion Ratio Lower Upper
82 100
128 47.3 39.4 59.2
54 42.3 32.6 48.8

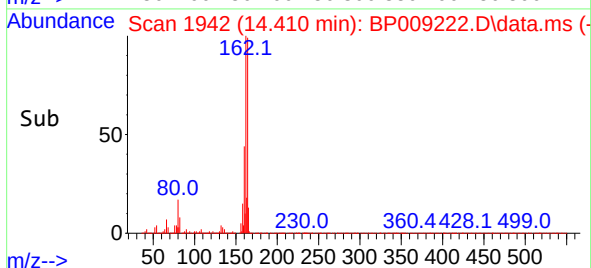
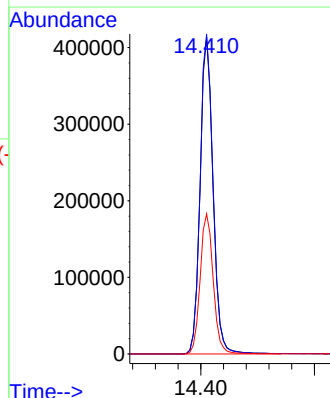
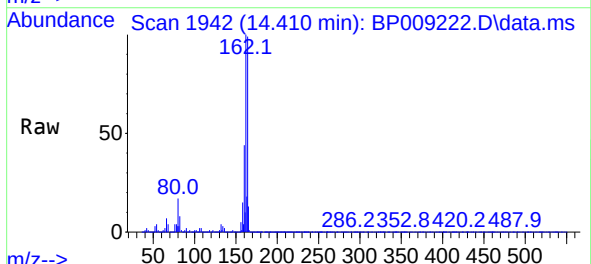
Manual Integrations
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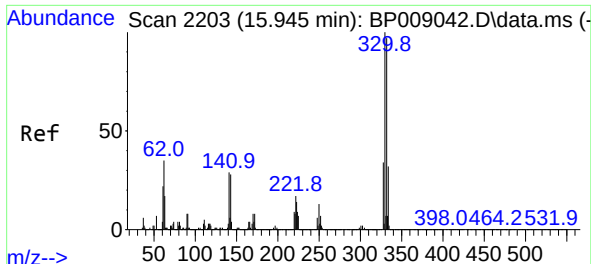
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

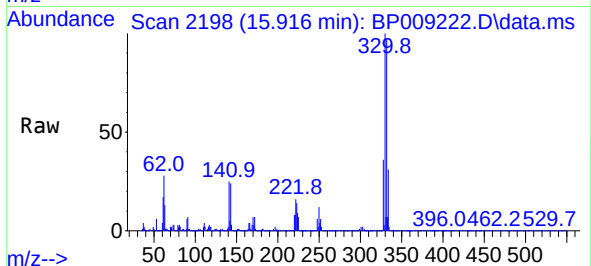
Tgt Ion:164 Resp: 653449
Ion Ratio Lower Upper
164 100
162 101.0 79.9 119.9
160 44.2 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 117.049 ng
RT: 15.916 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

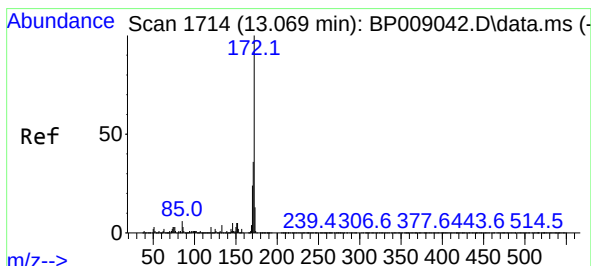
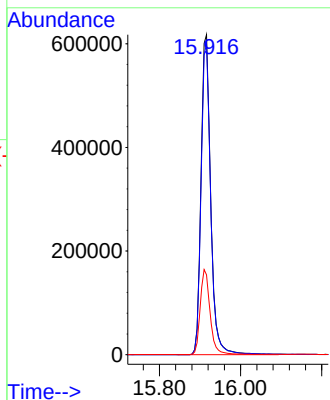
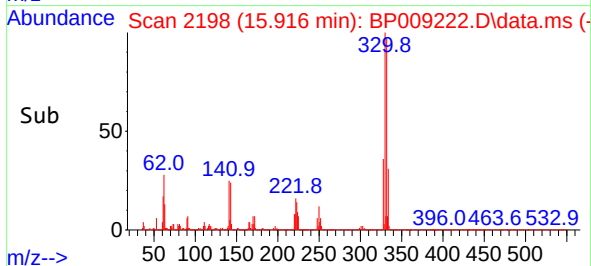
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)



Tgt Ion:330 Resp: 1021224
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.4
141 27.4 21.3 31.9

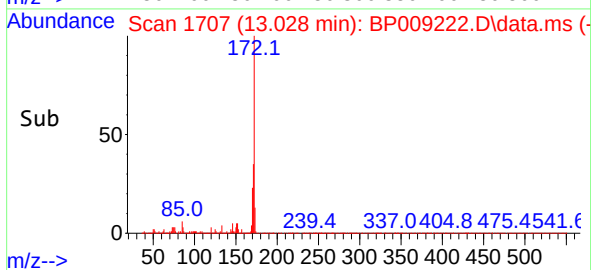
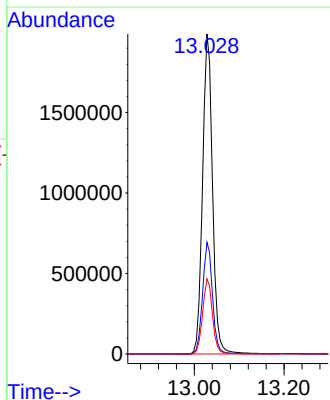
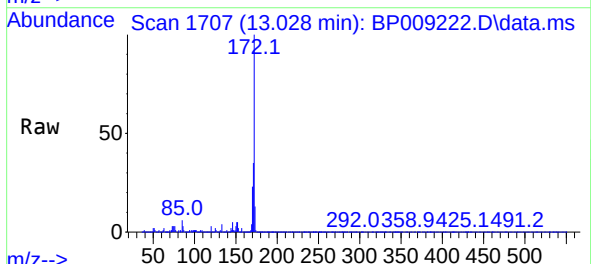
Manual Integrations
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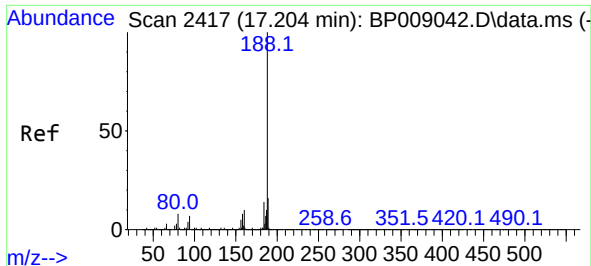
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#45
2-Fluorobiphenyl
Concen: 65.742 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:172 Resp: 3068762
Ion Ratio Lower Upper
172 100
171 34.9 29.3 43.9
170 23.4 19.5 29.3





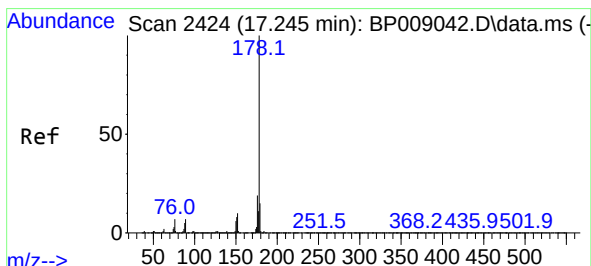
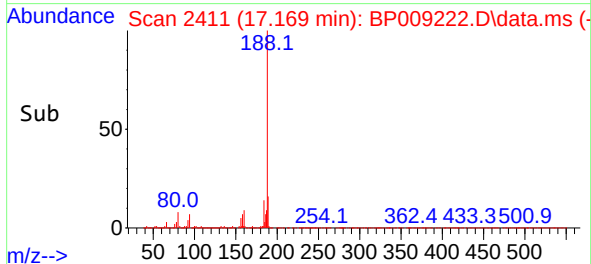
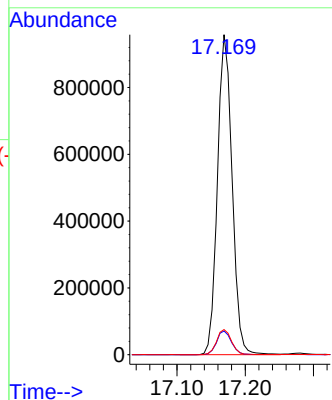
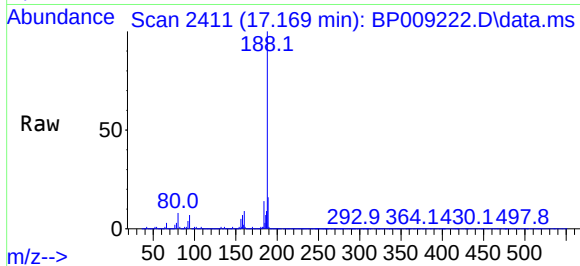
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.169 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Tgt Ion:188 Resp: 143399
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 7.9 7.2 10.8

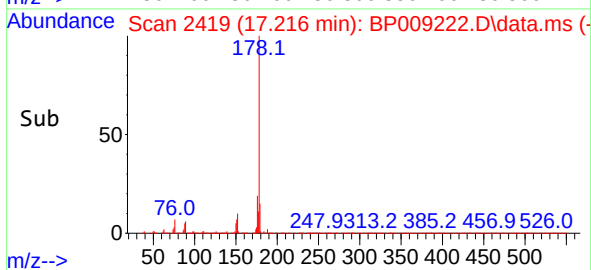
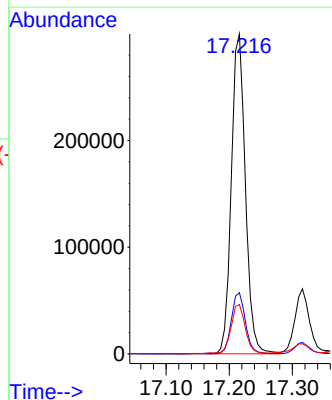
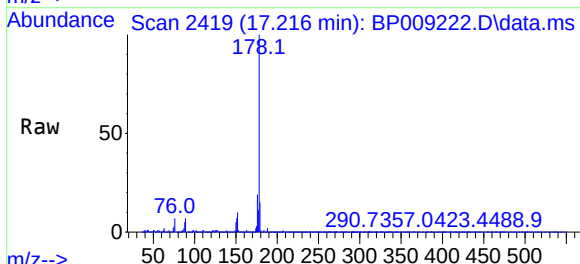
Manual Integrations
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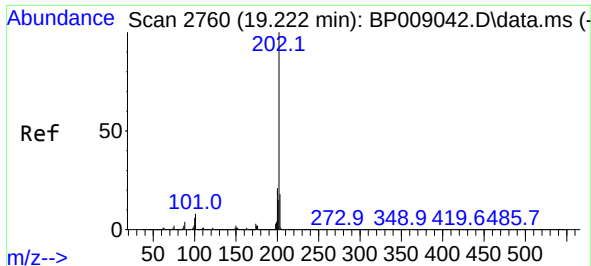
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#71
Phenanthrene
Concen: 5.961 ng
RT: 17.216 min Scan# 2419
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

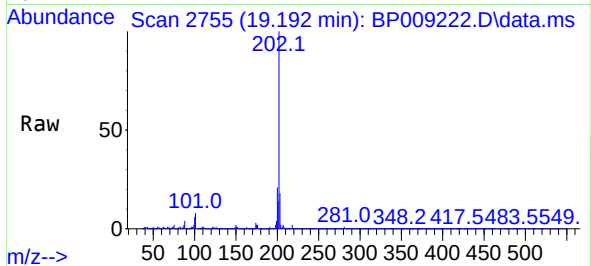
Tgt Ion:178 Resp: 462827
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.5 13.0 19.4





#75
Fluoranthene
Concen: 12.451 ng
RT: 19.192 min Scan# 2108
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

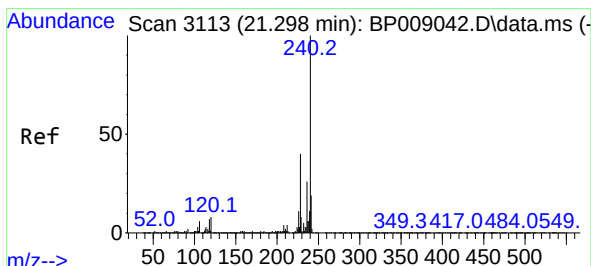
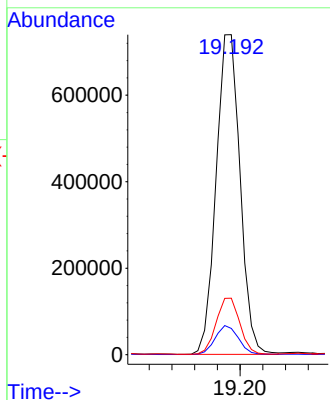
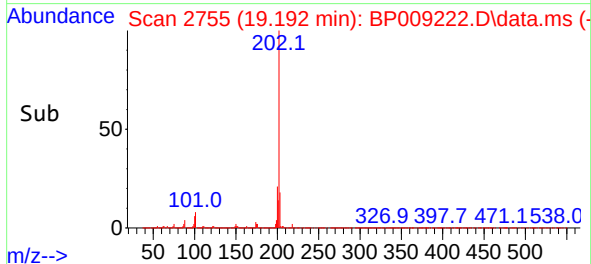
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)



Tgt Ion:202 Resp: 108351
Ion Ratio Lower Upper
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101 8.2 0.0 30.7
203 17.7 0.0 38.9

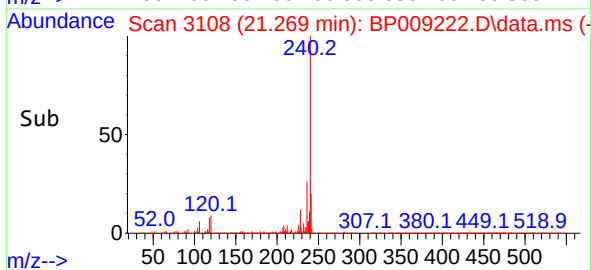
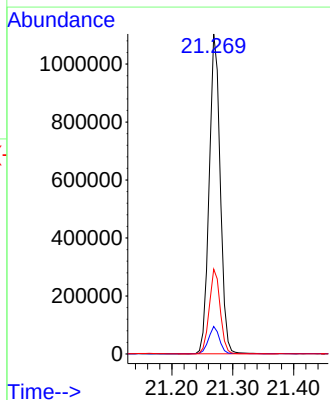
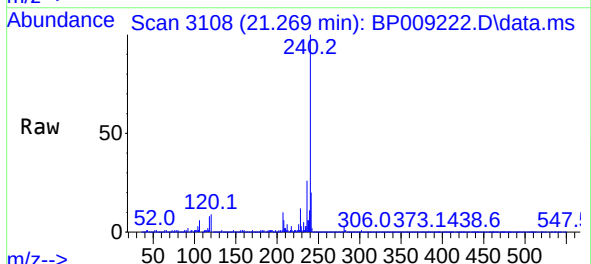
Manual Integrations
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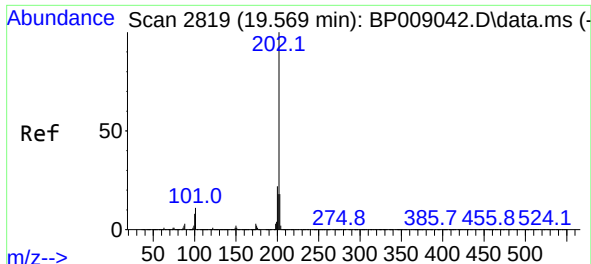
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.269 min Scan# 3108
Delta R.T. -0.012 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

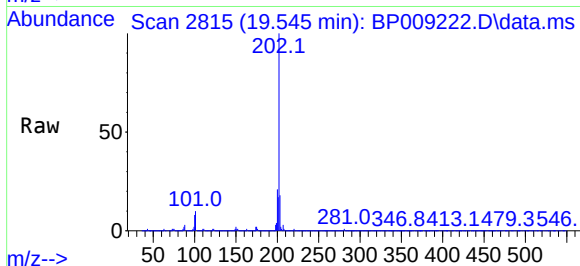
Tgt Ion:240 Resp: 1388625
Ion Ratio Lower Upper
240 100
120 8.6 7.7 11.5
236 26.5 21.2 31.8





#78
Pyrene
Concen: 11.351 ng
RT: 19.545 min Scan# 2815
Delta R.T. -0.000 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

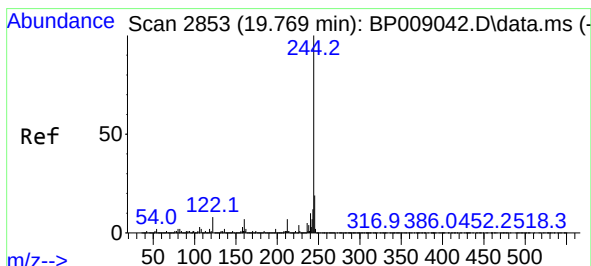
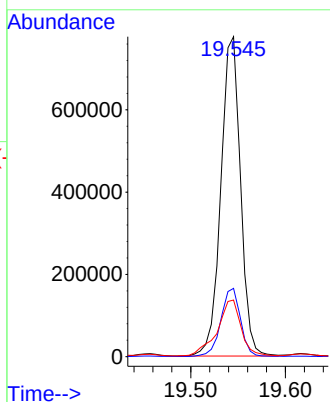
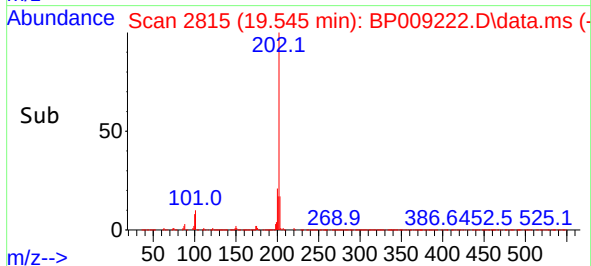
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)



Tgt Ion:202 Resp: 1121310
Ion Ratio Lower Upper
202 100
200 21.4 18.0 27.0
203 17.7 15.0 22.6

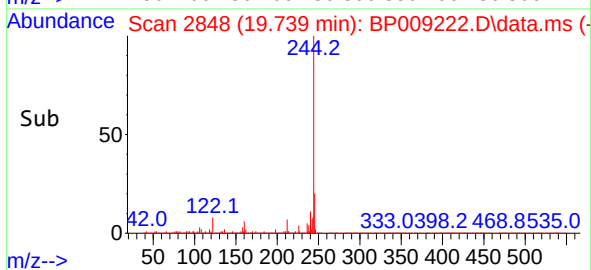
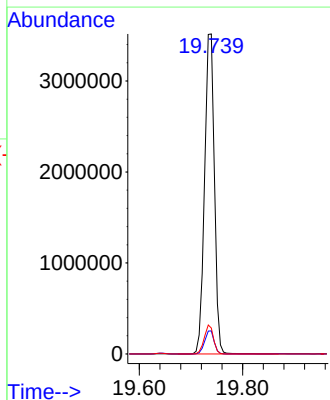
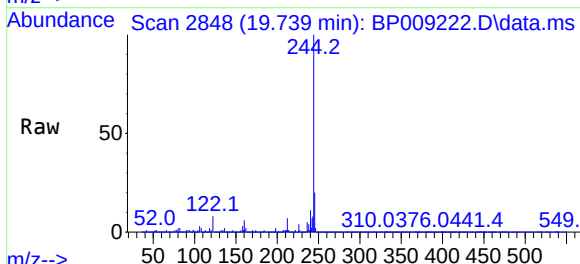
Manual Integrations
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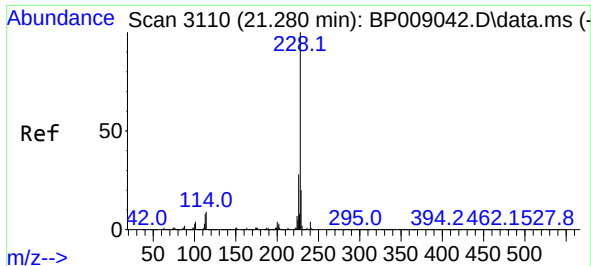
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#79
Terphenyl-d14
Concen: 59.923 ng
RT: 19.739 min Scan# 2848
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:244 Resp: 4627107
Ion Ratio Lower Upper
244 100
212 7.2 6.5 9.7
122 8.1 9.2 13.8





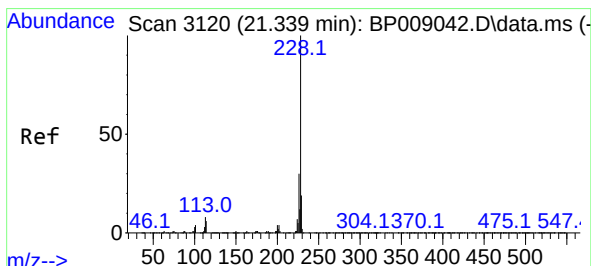
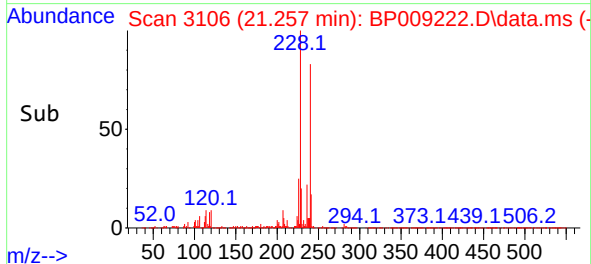
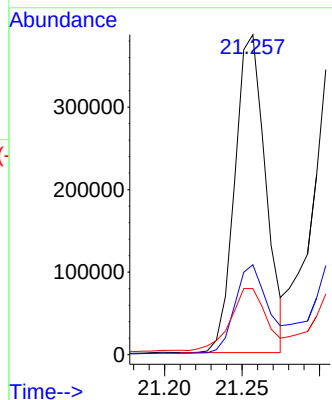
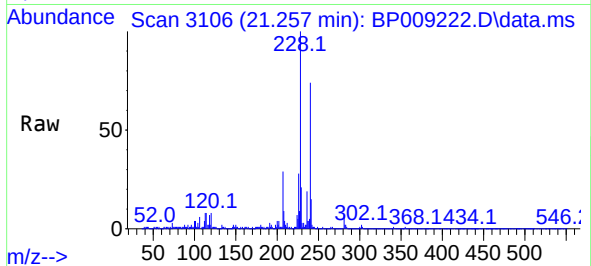
#81
Benzo(a)anthracene
Concen: 5.958 ng
RT: 21.257 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Tgt Ion:228 Resp: 533198
Ion Ratio Lower Upper
228 100
226 28.1 23.3 34.9
229 20.7 17.0 25.6

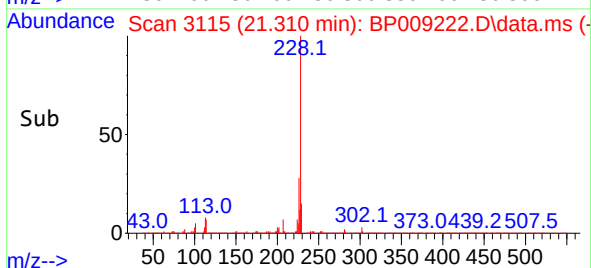
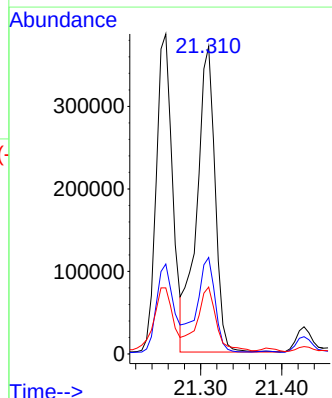
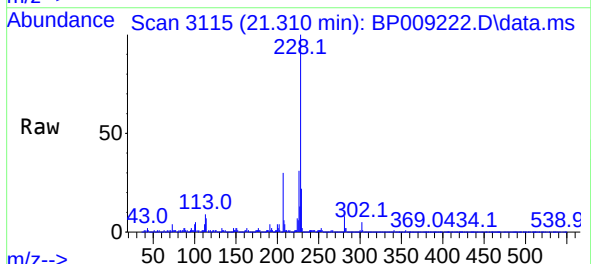
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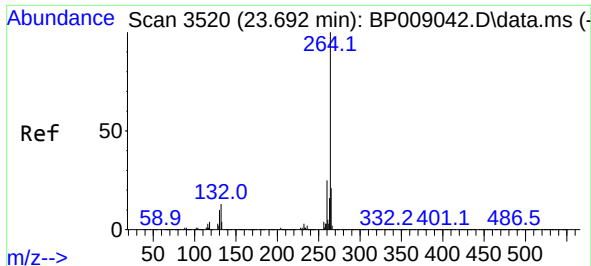
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#83
Chrysene
Concen: 6.732 ng m
RT: 21.310 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:228 Resp: 580709
Ion Ratio Lower Upper
228 100
226 31.4 26.0 39.0
229 21.7 16.9 25.3





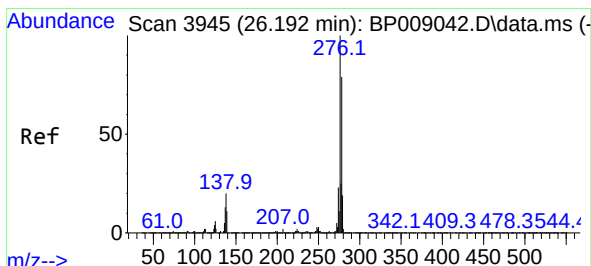
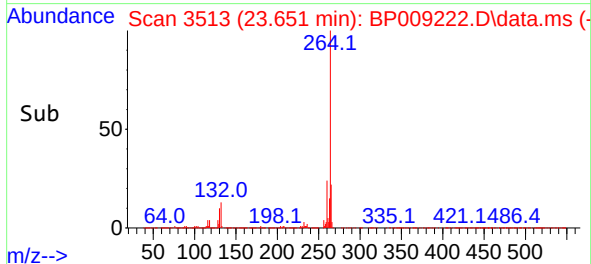
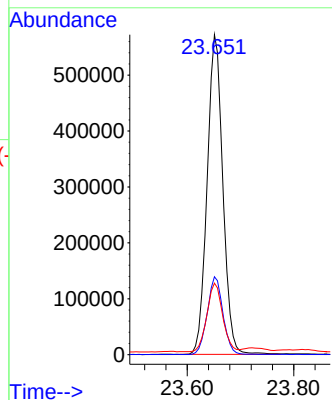
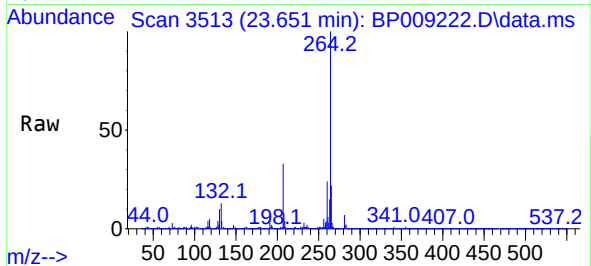
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.651 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Tgt Ion:264 Resp: 117147
Ion Ratio Lower Upper
264 100
260 24.4 19.1 28.7
265 22.4 17.1 25.7

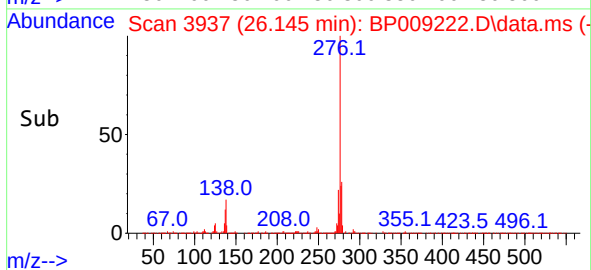
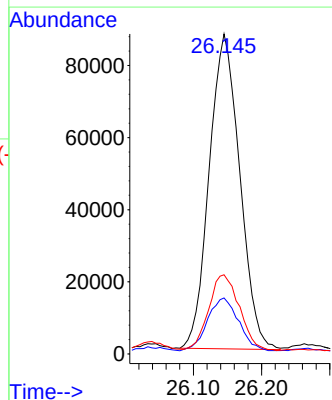
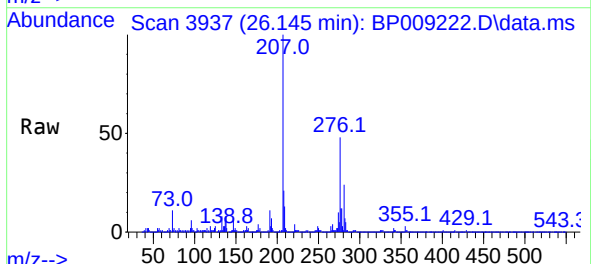
Manual Integrations
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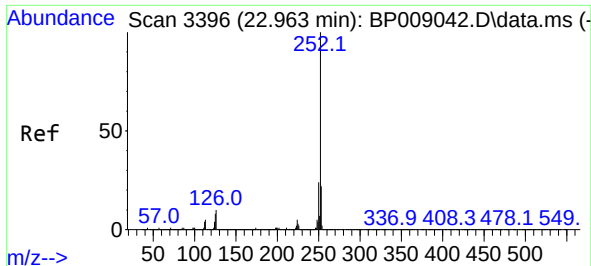
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.131 ng
RT: 26.145 min Scan# 3937
Delta R.T. -0.012 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

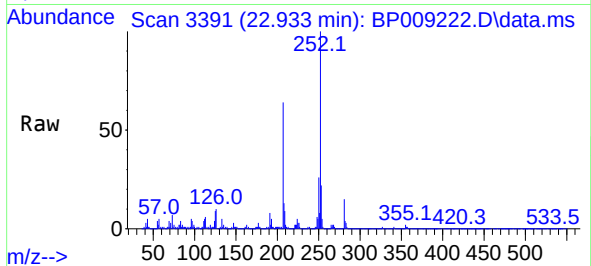
Tgt Ion:276 Resp: 272565
Ion Ratio Lower Upper
276 100
138 17.2 17.8 26.6#
277 24.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 8.769 ng
RT: 22.933 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

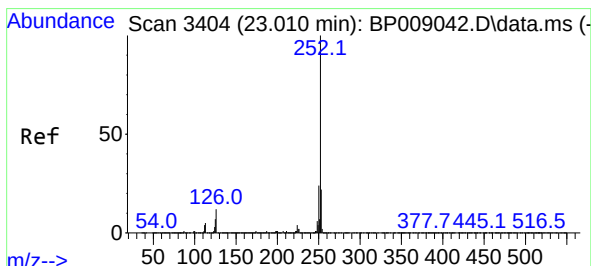
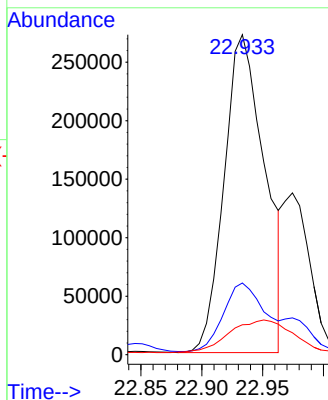
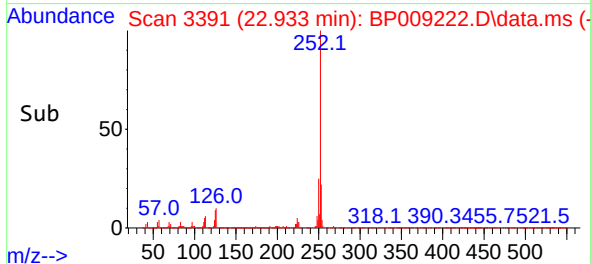
Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)



Tgt Ion:252 Resp: 632420
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 9.4 6.9 10.3

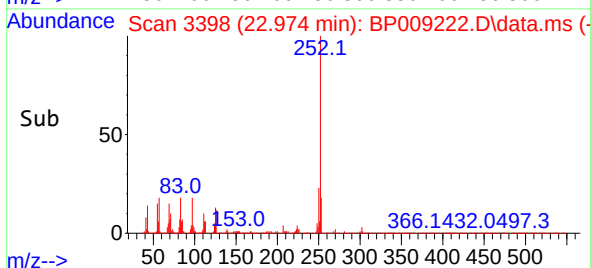
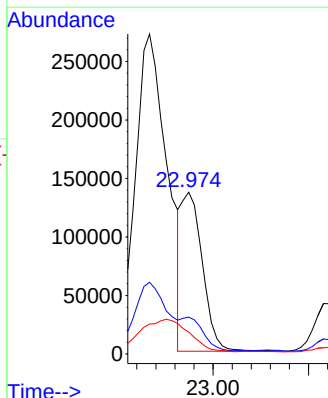
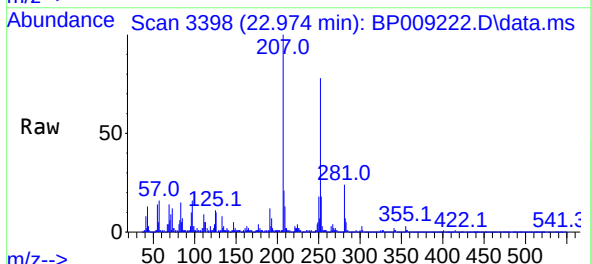
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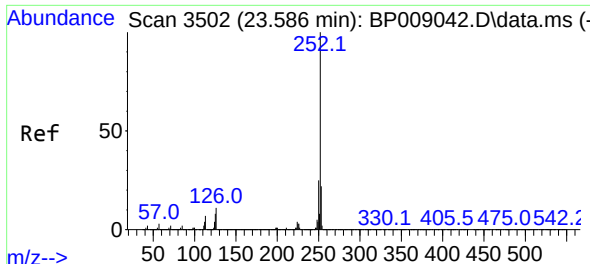
Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#89
Benzo(k)fluoranthene
Concen: 2.870 ng m
RT: 22.974 min Scan# 3398
Delta R.T. -0.012 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:252 Resp: 206517
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 13.6 7.3 10.9#





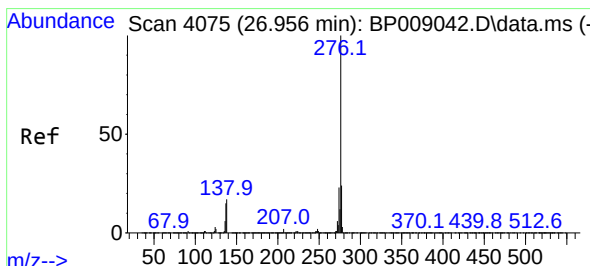
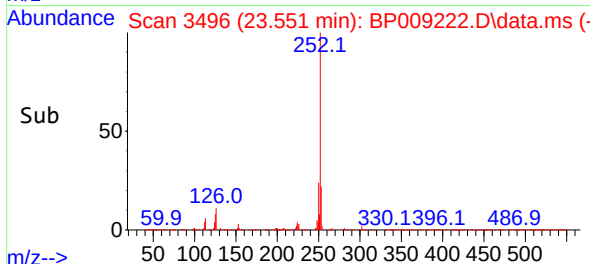
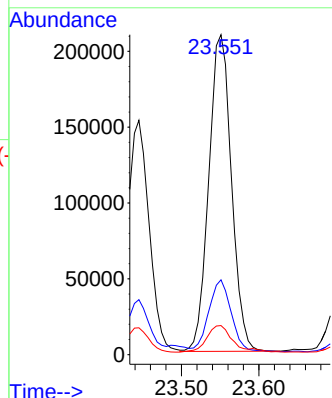
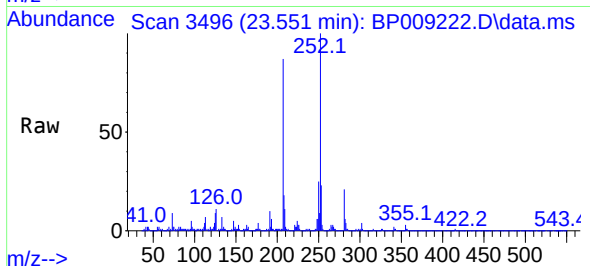
#90
Benzo(a)pyrene
Concen: 7.072 ng
RT: 23.551 min Scan# 34
Delta R.T. -0.006 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Instrument :
BNA_P
ClientSampleId :
SB-4R-N(0-0.5)

Tgt Ion:252 Resp: 42520
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 9.1 7.8 11.6

Manual Integrations
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Reviewed By :Christian Giraldo 02/21/2022
Supervised By :Jagrut Upadhyay 02/21/2022



#92
Benzo(g,h,i)perylene
Concen: 3.991 ng
RT: 26.910 min Scan# 4067
Delta R.T. -0.012 min
Lab File: BP009222.D
Acq: 18 Feb 2022 19:49

Tgt Ion:276 Resp: 284237
Ion Ratio Lower Upper
276 100
277 25.1 19.2 28.8
138 18.0 15.0 22.4

