

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009612.D
 Acq On : 30 Mar 2022 01:14
 Operator : CG/JU
 Sample : N2095-12 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-12-5.0-6.0

Quant Time: Mar 30 04:12:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 04:00:13 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/30/2022
 Supervised By : Jagrut Upadhyay 03/30/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.763	152	332602	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1340886	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	817619	20.000	ng	0.00
64) Phenanthrene-d10	17.175	188	1653134	20.000	ng	0.00
76) Chrysene-d12	21.292	240	1553530	20.000	ng	0.00
86) Perylene-d12	23.692	264	1768054	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	874406	45.900	ng	0.00
7) Phenol-d6	6.958	99	1142448	44.345	ng	0.00
23) Nitrobenzene-d5	8.922	82	679653	26.935	ng	0.00
42) 2,4,6-Tribromophenol	15.916	330	487188	36.109	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	1706866	28.940	ng	0.00
79) Terphenyl-d14	19.757	244	2410119	27.846	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.134	152	318562	4.297	ng	100
71) Phenanthrene	17.216	178	1432097	16.183	ng	100
72) Anthracene	17.310	178	478503	5.477	ng	99
75) Fluoranthene	19.204	202	3081217	28.760	ng	99
78) Pyrene	19.557	202	2967872	28.991	ng	100
81) Benzo(a)anthracene	21.280	228	1922689	18.838	ng	96
83) Chrysene	21.327	228	1649574	17.068	ng	98
87) Indeno(1,2,3-cd)pyrene	26.192	276	1333114	9.938	ng	# 93
88) Benzo(b)fluoranthene	22.963	252	2458463m	23.292	ng	
89) Benzo(k)fluoranthene	23.004	252	952620m	9.218	ng	
90) Benzo(a)pyrene	23.586	252	1870447	20.713	ng	98
91) Dibenzo(a,h)anthracene	26.192	278	370729	3.316	ng	# 90
92) Benzo(g,h,i)perylene	26.951	276	1307924	11.893	ng	95

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

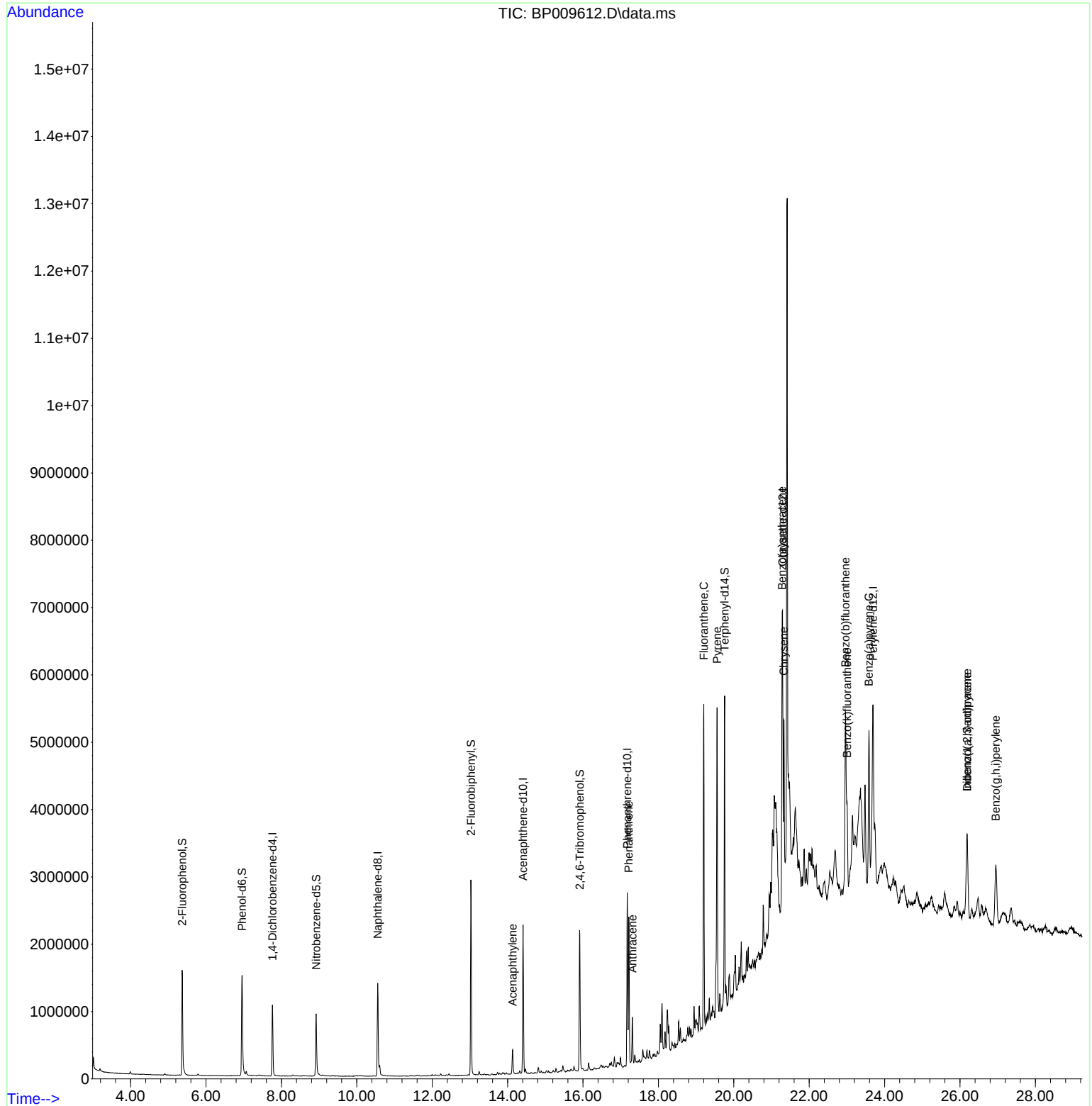
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
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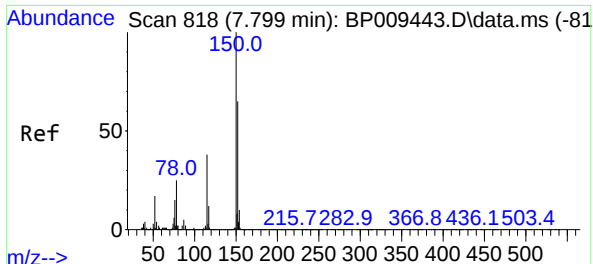
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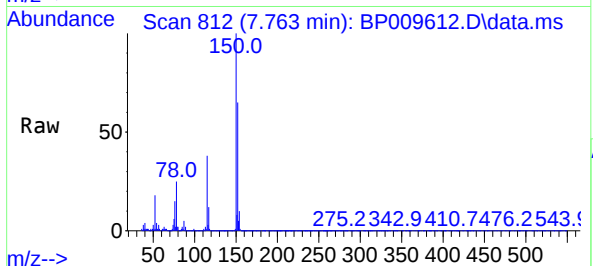
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

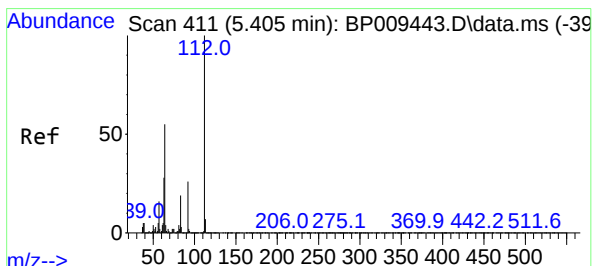
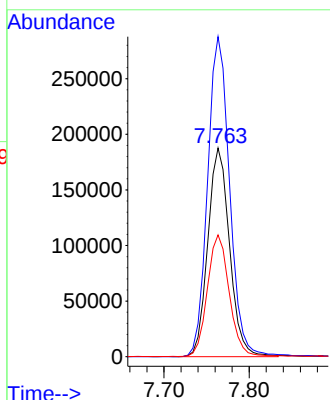
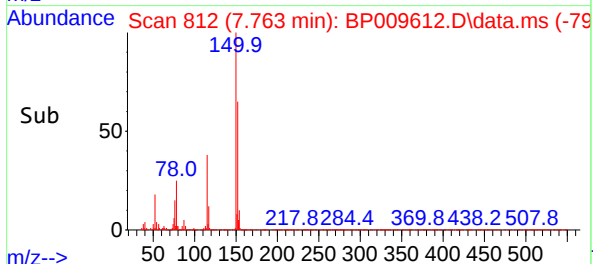
Instrument :
BNA_P
ClientSampleId :
SB-12-5.0-6.0



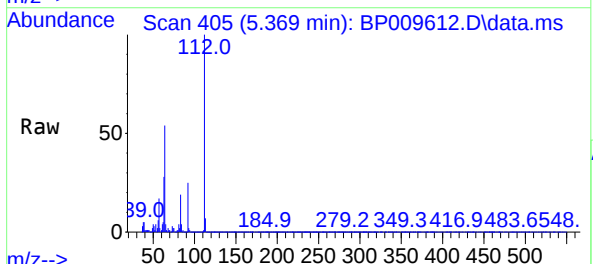
Tgt Ion:152 Resp: 33260
Ion Ratio Lower Upper
152 100
150 153.3 124.5 186.7
115 58.3 48.2 72.4

Manual Integrations
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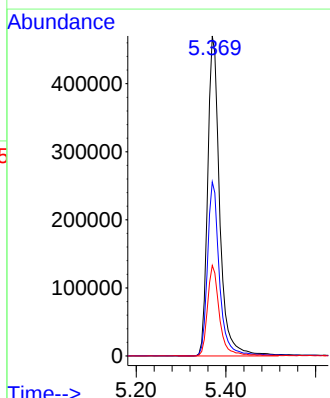
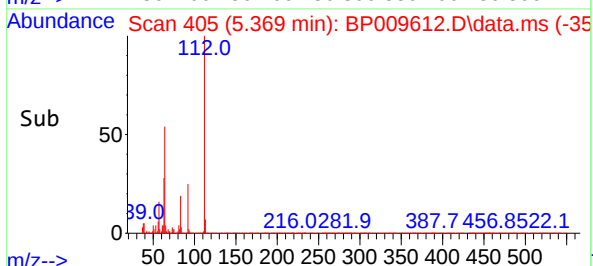
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

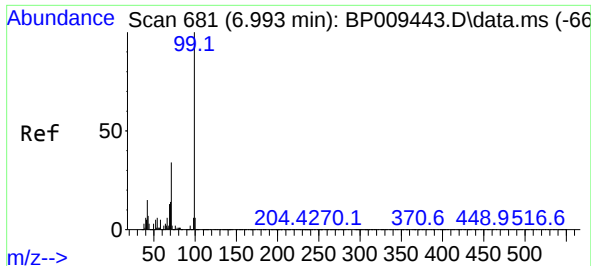


#5
2-Fluorophenol
Concen: 45.900 ng
RT: 5.369 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14



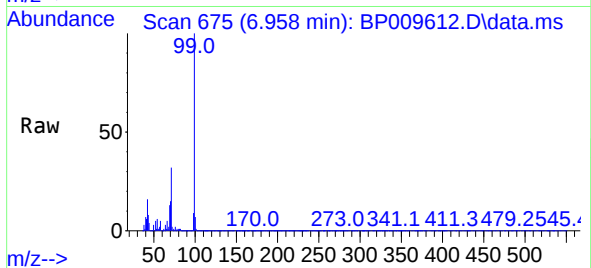
Tgt Ion:112 Resp: 874406
Ion Ratio Lower Upper
112 100
64 54.4 45.0 67.4
63 28.3 23.0 34.6





Phenol-d6
Concen: 44.345 ng
RT: 6.958 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

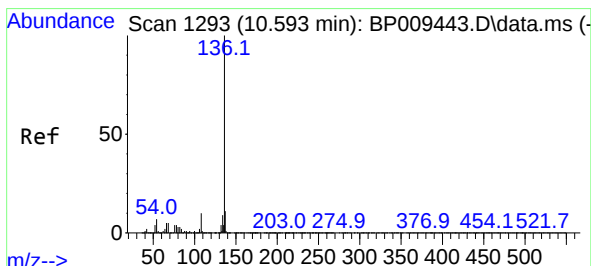
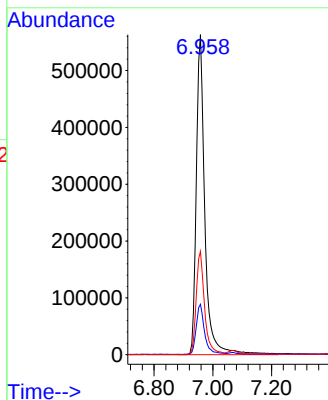
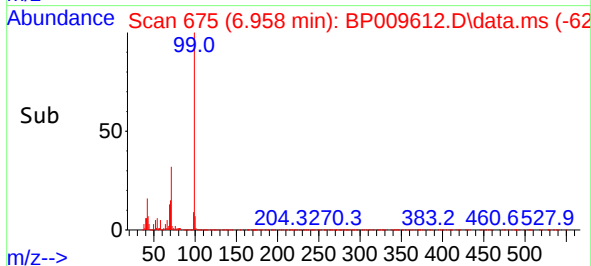
Instrument :
BNA_P
ClientSampleId :
SB-12-5.0-6.0



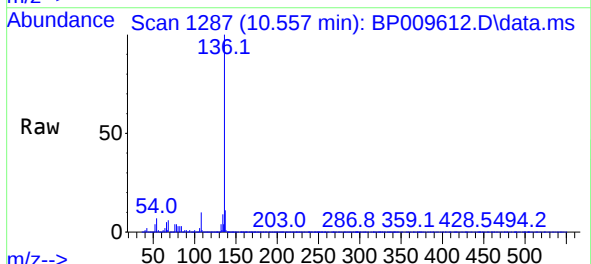
Tgt Ion: 99 Resp: 1142448
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 32.3 26.3 39.5

Manual Integrations
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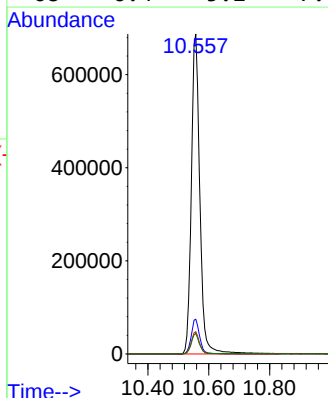
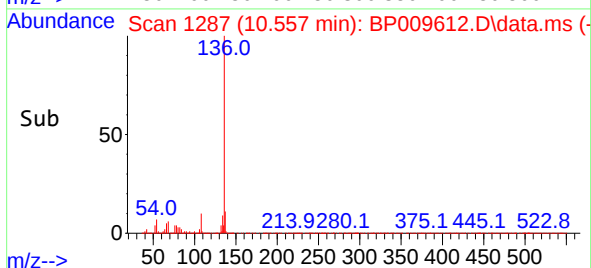
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

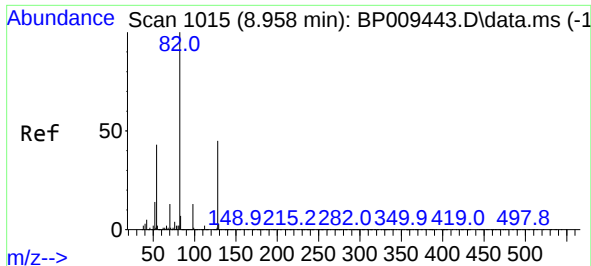


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14



Tgt Ion:136 Resp: 1340886
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.9 5.8 8.8
68 6.4 5.2 7.8





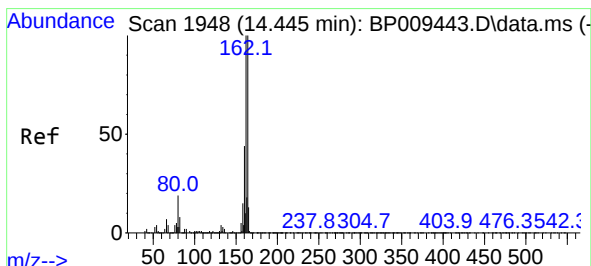
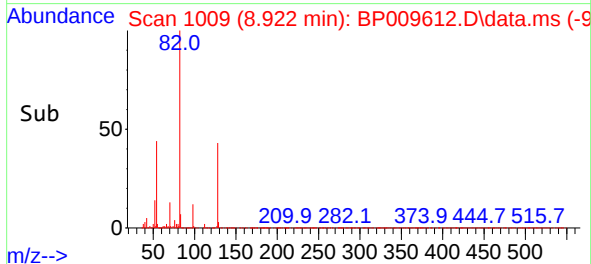
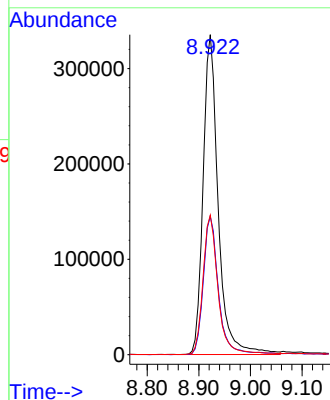
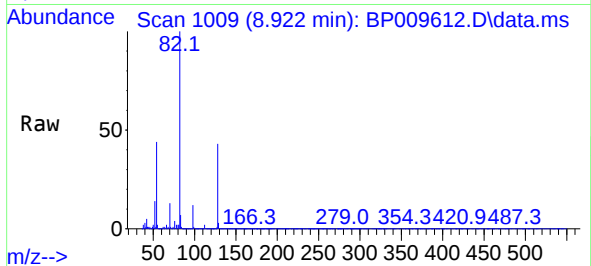
#23
Nitrobenzene-d5
Concen: 26.935 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Instrument :
BNA_P
ClientSampleId :
SB-12-5.0-6.0

Tgt Ion: 82 Resp: 67965
Ion Ratio Lower Upper
82 100
128 43.2 34.2 51.4
54 43.6 34.7 52.1

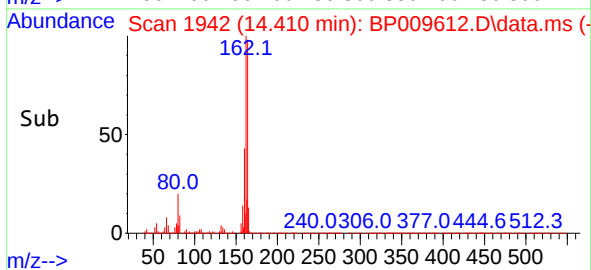
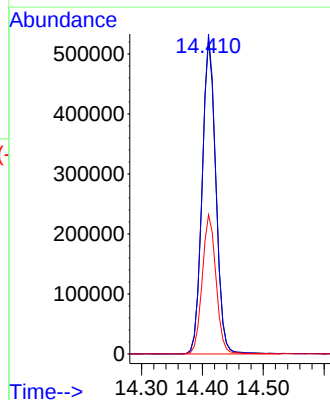
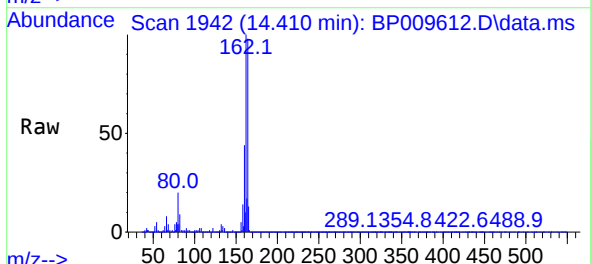
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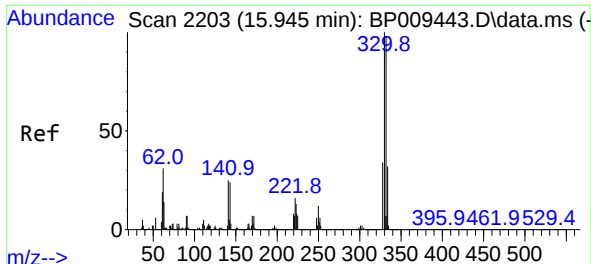
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Tgt Ion:164 Resp: 817619
Ion Ratio Lower Upper
164 100
162 101.9 79.1 118.7
160 44.3 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 36.109 ng
RT: 15.916 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Instrument :

BNA_P

ClientSampleId :

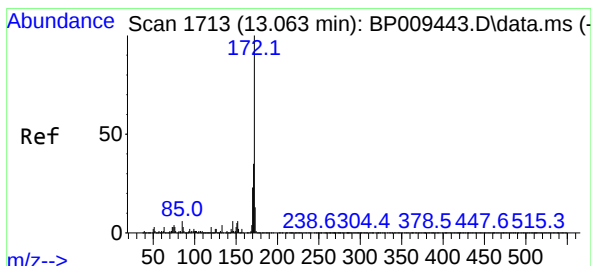
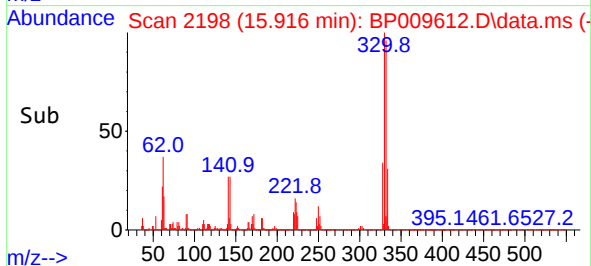
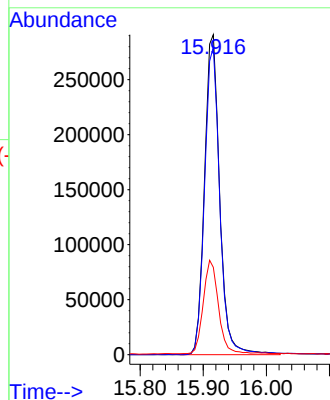
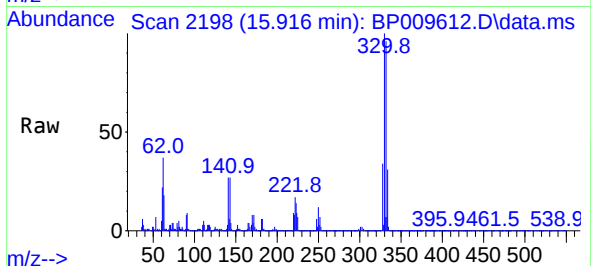
SB-12-5.0-6.0

Tgt Ion:330 Resp: 48718
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 28.9 27.6 41.4

Manual Integrations

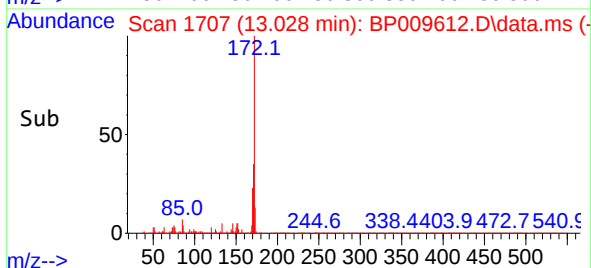
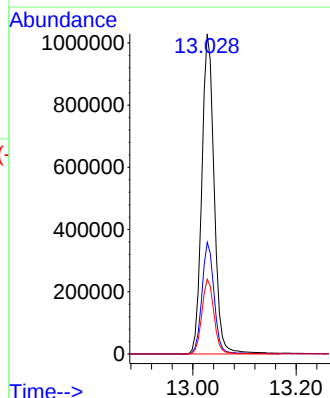
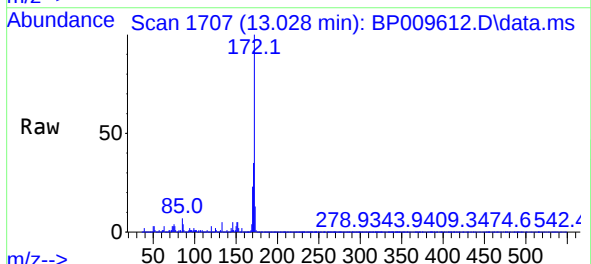
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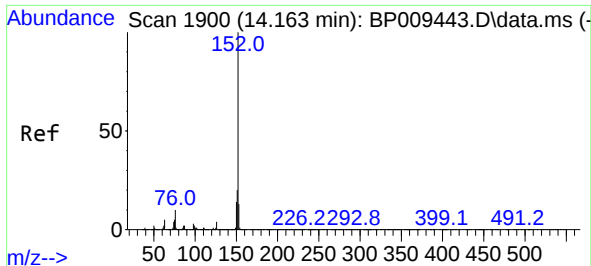
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#45
2-Fluorobiphenyl
Concen: 28.940 ng
RT: 13.028 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Tgt Ion:172 Resp: 1706866
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.4 18.6 27.8





#49
Acenaphthylene
Concen: 4.297 ng
RT: 14.134 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Instrument :

BNA_P

ClientSampleId :

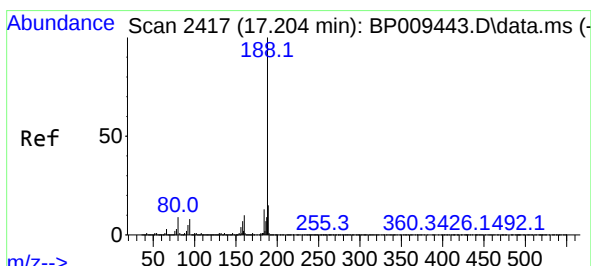
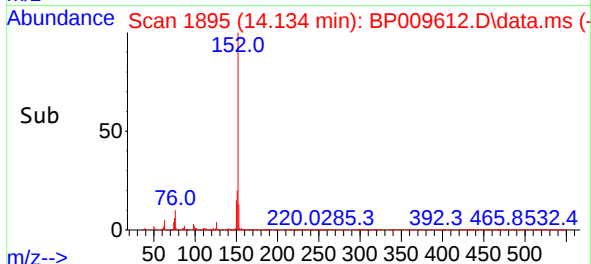
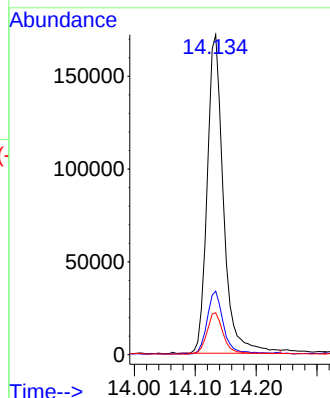
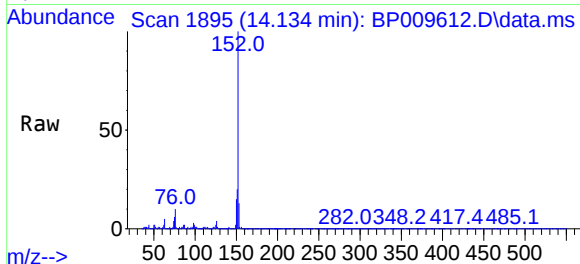
SB-12-5.0-6.0

Tgt Ion:152 Resp: 31856
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 13.1 10.7 16.1

Manual Integrations

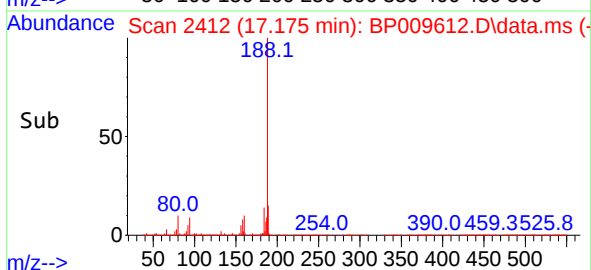
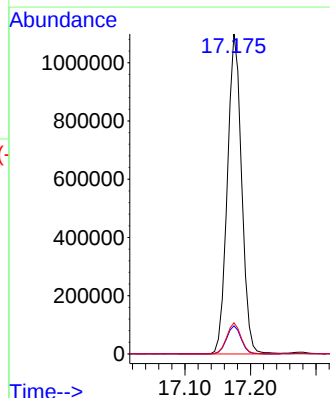
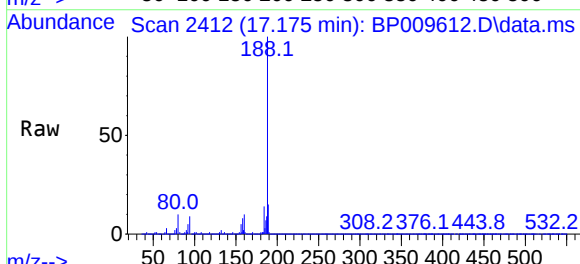
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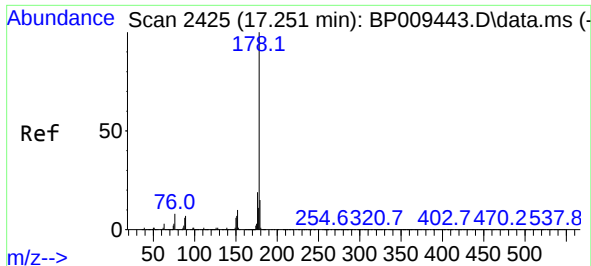
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.175 min Scan# 2412
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

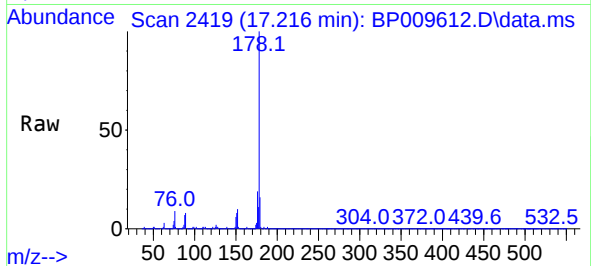
Tgt Ion:188 Resp: 1653134
Ion Ratio Lower Upper
188 100
94 8.8 7.9 11.9
80 9.8 8.8 13.2





#71
Phenanthrene
Concen: 16.183 ng
RT: 17.216 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

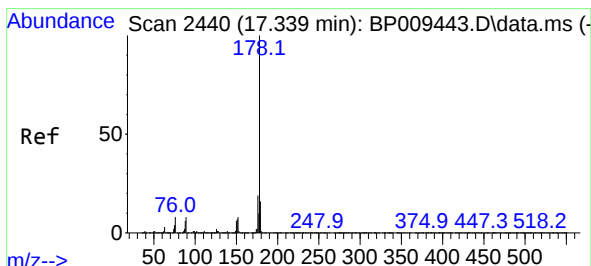
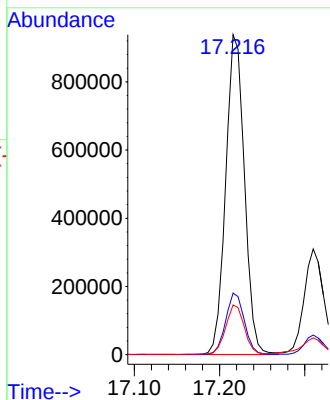
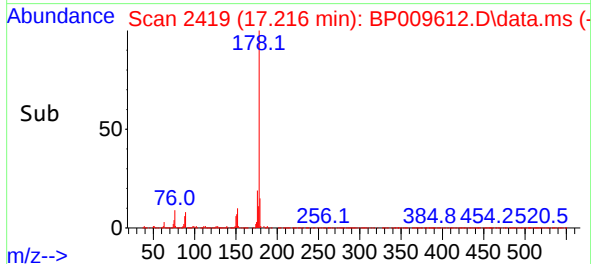
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SB-12-5.0-6.0



Tgt Ion:178 Resp: 143209
Ion Ratio Lower Upper
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176 19.3 15.4 23.2
179 15.5 12.3 18.5

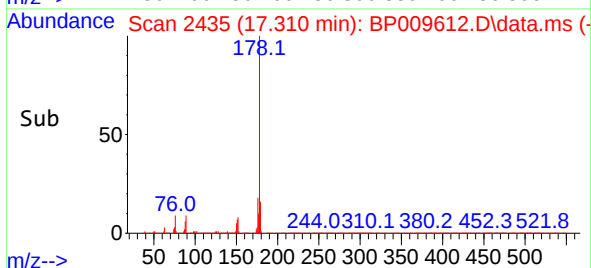
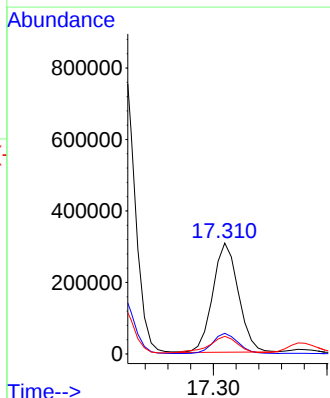
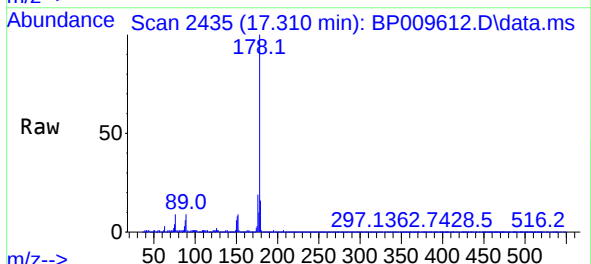
Manual Integrations
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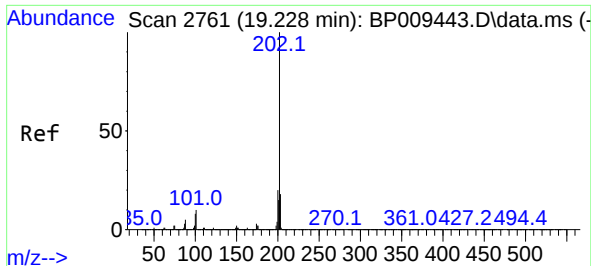
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#72
Anthracene
Concen: 5.477 ng
RT: 17.310 min Scan# 2435
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Tgt Ion:178 Resp: 478503
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.9 12.2 18.4





#75
Fluoranthene
Concen: 28.760 ng
RT: 19.204 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Instrument :

BNA_P

ClientSampleId :

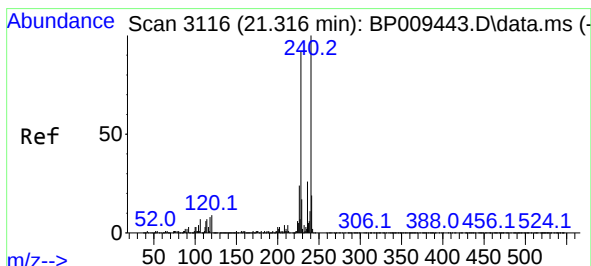
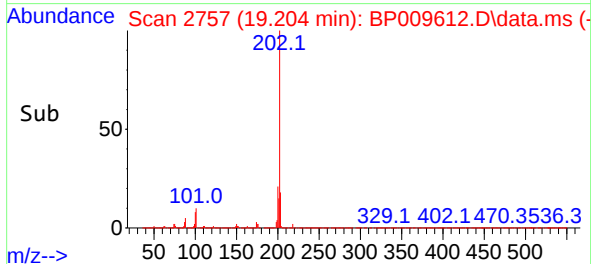
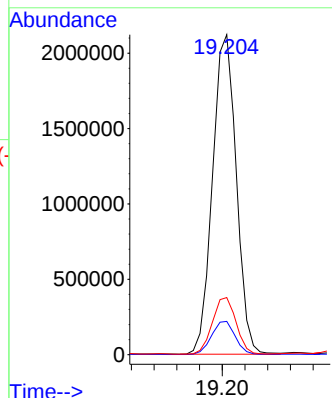
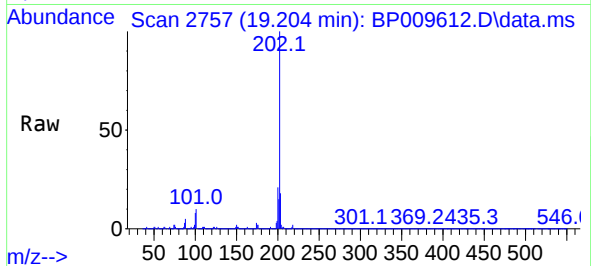
SB-12-5.0-6.0

Tgt Ion:202 Resp: 308121
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.5
203 17.9 0.0 37.8

Manual Integrations

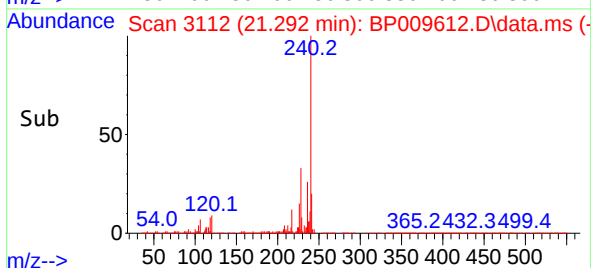
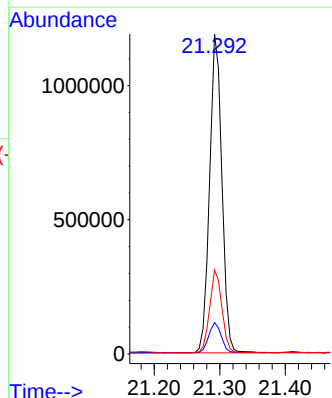
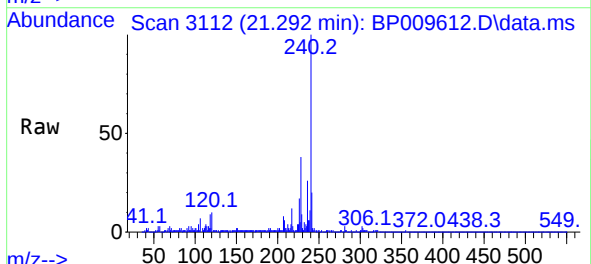
APPROVED

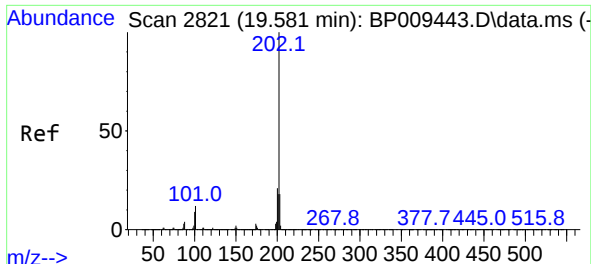
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.292 min Scan# 3112
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Tgt Ion:240 Resp: 1553530
Ion Ratio Lower Upper
240 100
120 9.8 9.0 13.4
236 26.2 20.6 30.8





#78
Pyrene
Concen: 28.991 ng
RT: 19.557 min Scan# 2817
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Instrument :

BNA_P

ClientSampleId :

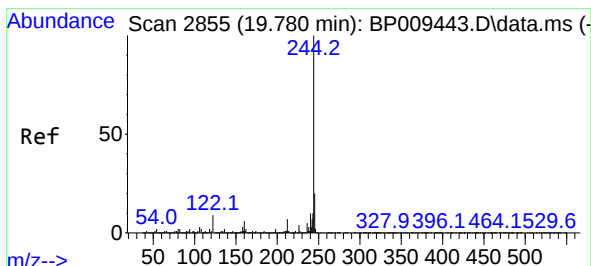
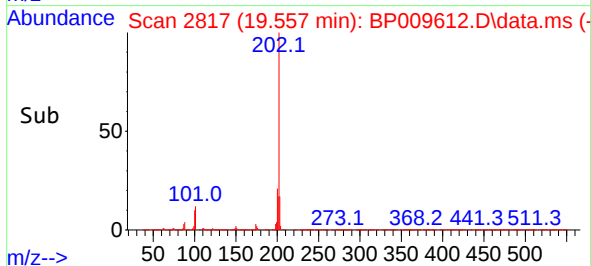
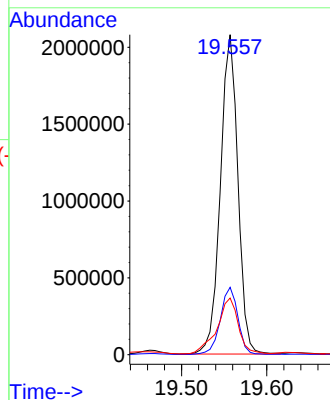
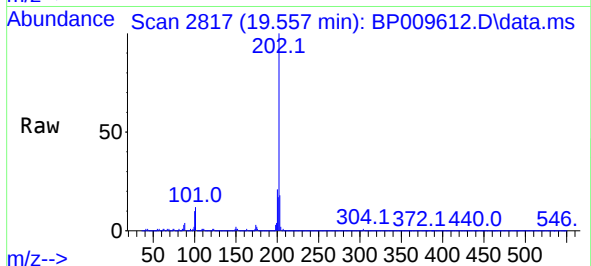
SB-12-5.0-6.0

Tgt Ion:202 Resp: 296787
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 17.7 14.2 21.4

Manual Integrations

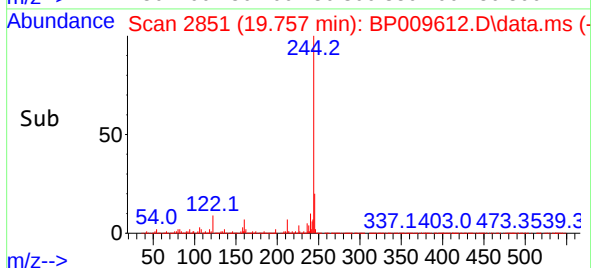
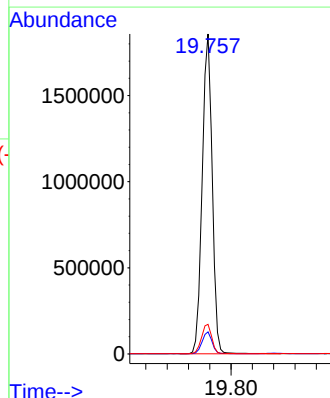
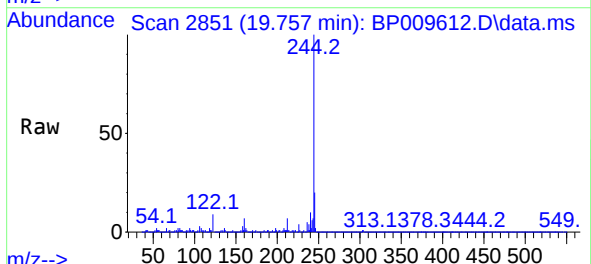
APPROVED

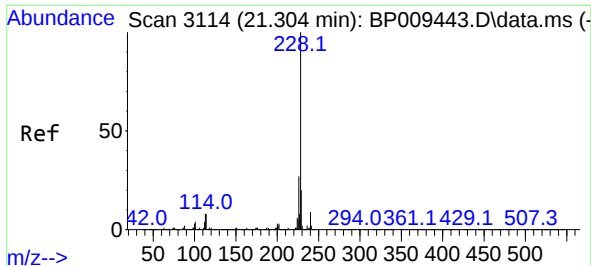
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#79
Terphenyl-d14
Concen: 27.846 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

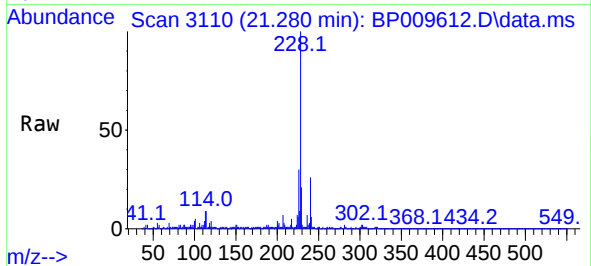
Tgt Ion:244 Resp: 2410119
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.6
122 9.2 8.3 12.5





#81
Benzo(a)anthracene
Concen: 18.838 ng
RT: 21.280 min Scan# 3110
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

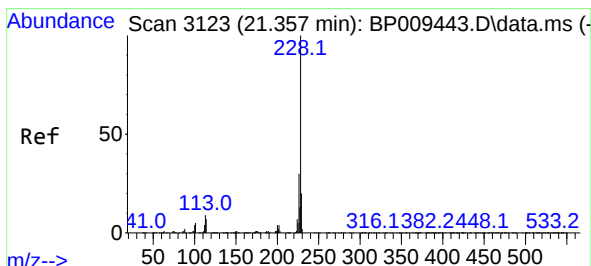
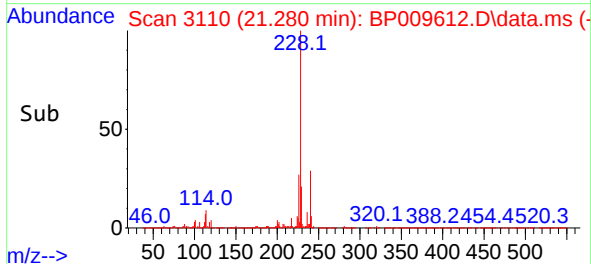
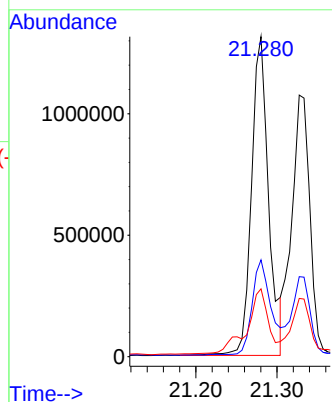
Instrument :
BNA_P
ClientSampleId :
SB-12-5.0-6.0



Tgt Ion:228 Resp: 1922689
Ion Ratio Lower Upper
228 100
226 30.3 22.0 33.0
229 21.2 16.1 24.1

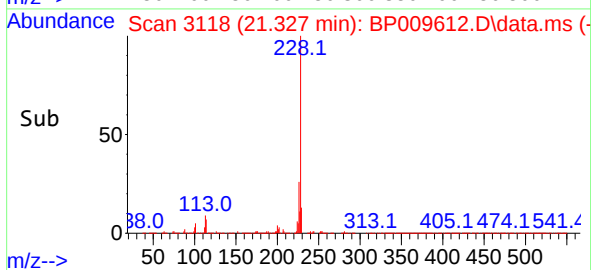
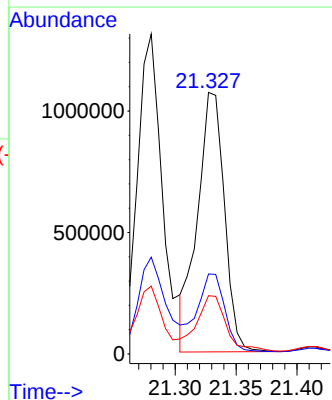
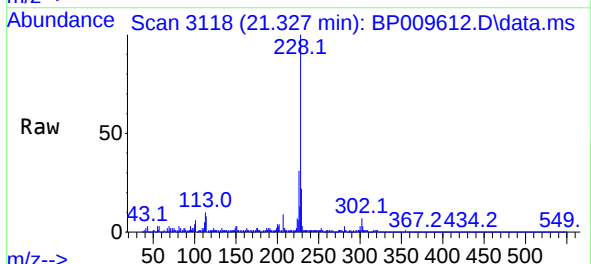
Manual Integrations
APPROVED

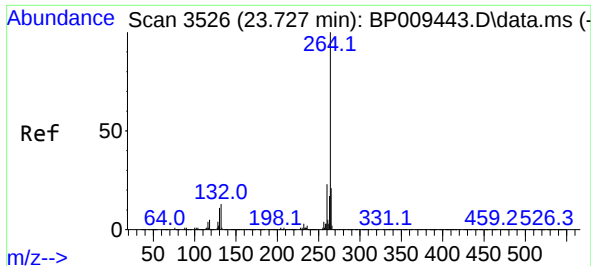
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#83
Chrysene
Concen: 17.068 ng
RT: 21.327 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

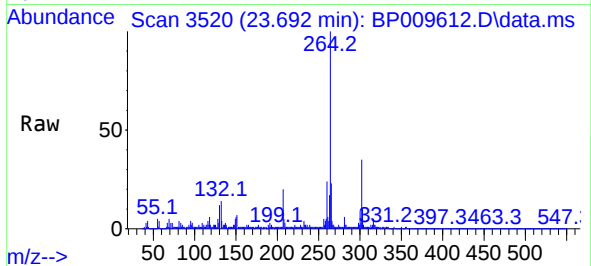
Tgt Ion:228 Resp: 1649574
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 22.2 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.692 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: BP009612.D
 Acq: 30 Mar 2022 01:14

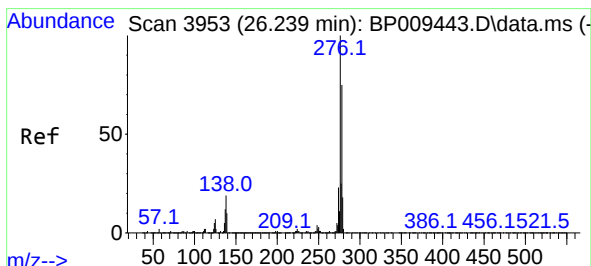
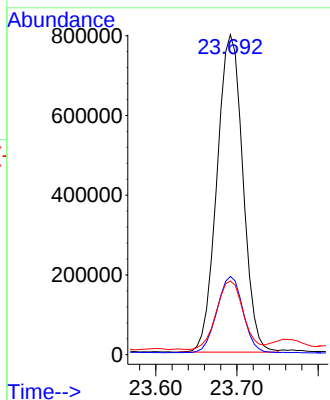
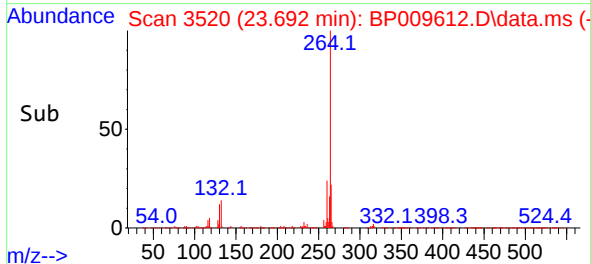
Instrument :
 BNA_P
 ClientSampleId :
 SB-12-5.0-6.0



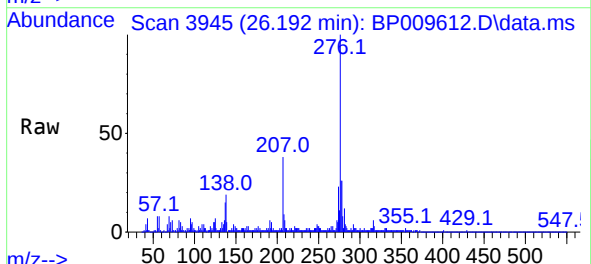
Tgt Ion:264 Resp: 1768054
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.4 29.0
 265 23.0 17.2 25.8

Manual Integrations
 APPROVED

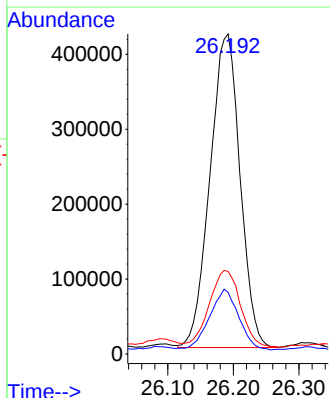
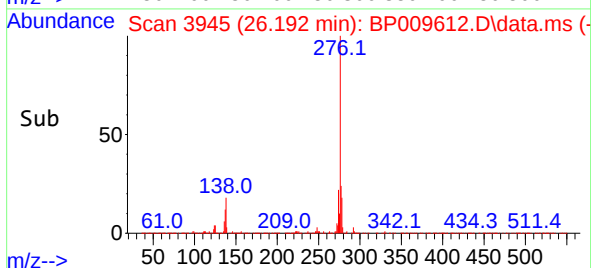
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022

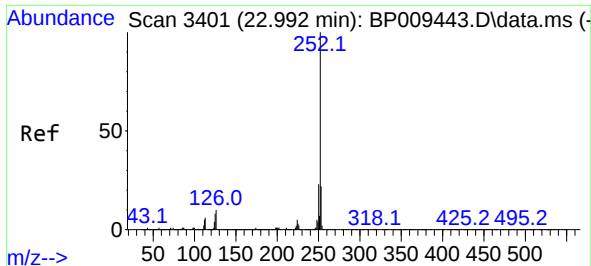


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.938 ng
 RT: 26.192 min Scan# 3945
 Delta R.T. 0.012 min
 Lab File: BP009612.D
 Acq: 30 Mar 2022 01:14



Tgt Ion:276 Resp: 1333114
 Ion Ratio Lower Upper
 276 100
 138 18.9 20.5 30.7#
 277 25.4 20.4 30.6





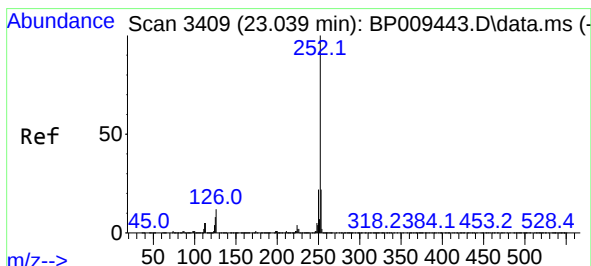
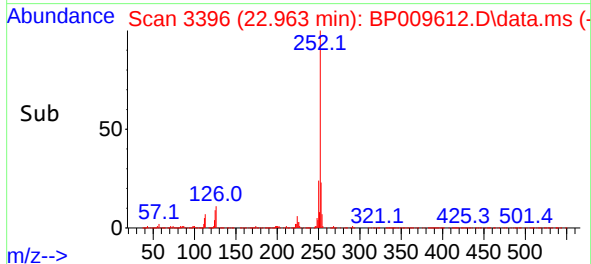
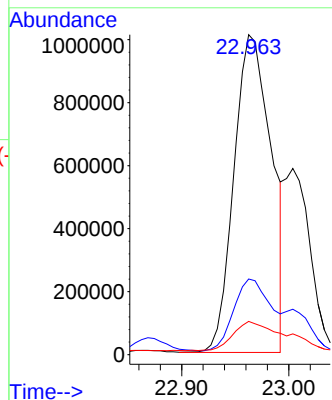
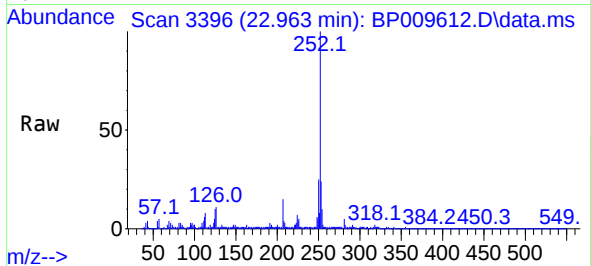
#88
Benzo(b)fluoranthene
Concen: 23.292 ng m
RT: 22.963 min Scan# 31
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Instrument :
BNA_P
ClientSampleId :
SB-12-5.0-6.0

Tgt Ion:252 Resp: 245846
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 10.4 8.1 12.1

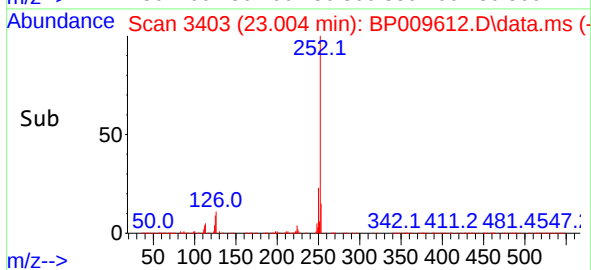
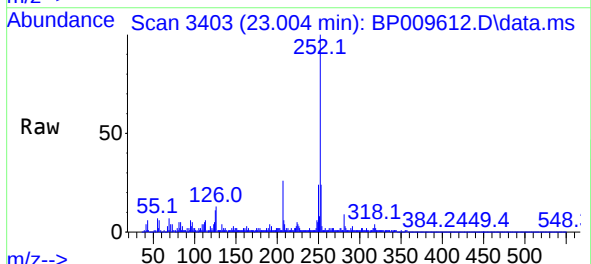
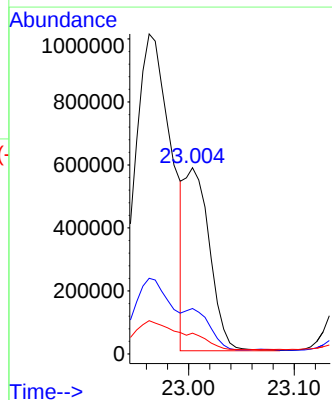
Manual Integrations
APPROVED

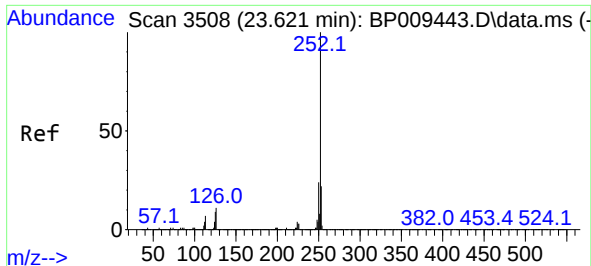
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#89
Benzo(k)fluoranthene
Concen: 9.218 ng m
RT: 23.004 min Scan# 3403
Delta R.T. 0.000 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

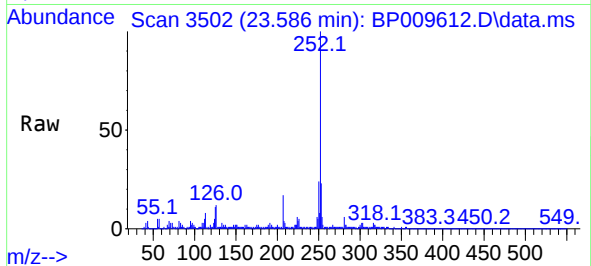
Tgt Ion:252 Resp: 952620
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 11.2 8.3 12.5





#90
Benzo(a)pyrene
Concen: 20.713 ng
RT: 23.586 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

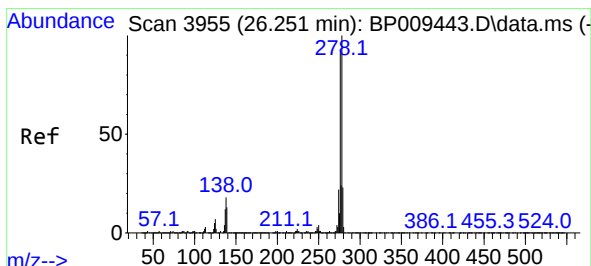
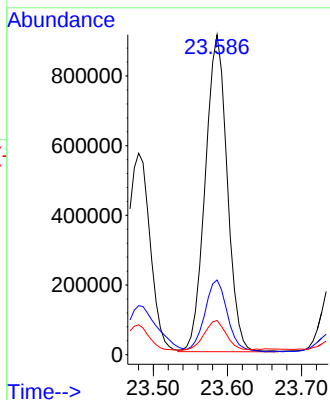
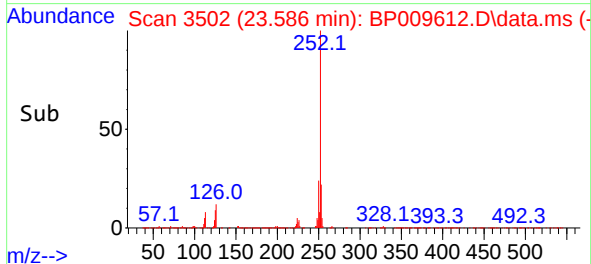
Instrument :
BNA_P
ClientSampleId :
SB-12-5.0-6.0



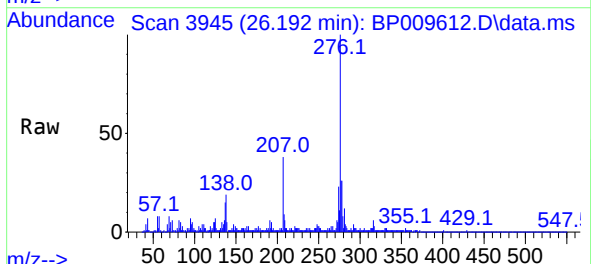
Tgt Ion:252 Resp: 187044
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 10.7 9.3 13.9

Manual Integrations
APPROVED

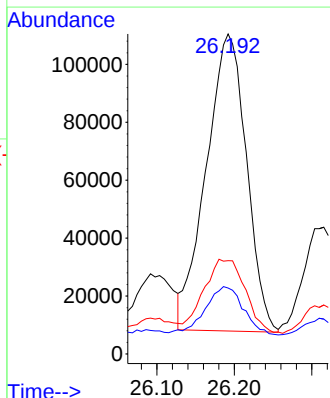
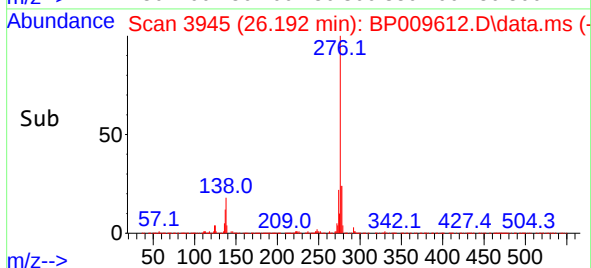
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

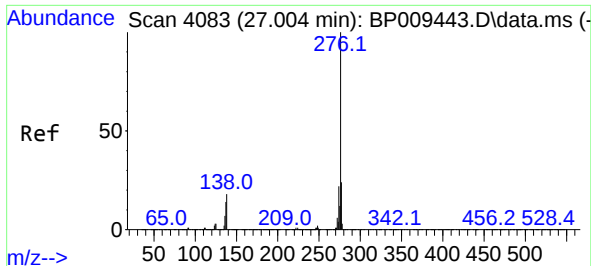


#91
Dibenzo(a,h)anthracene
Concen: 3.316 ng
RT: 26.192 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14



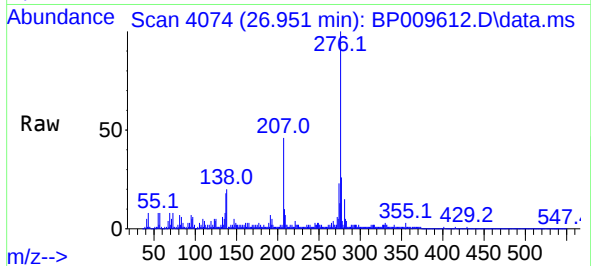
Tgt Ion:278 Resp: 370729
Ion Ratio Lower Upper
278 100
139 20.6 13.2 19.8#
279 29.2 19.2 28.8#





#92
Benzo(g,h,i)perylene
Concen: 11.893 ng
RT: 26.951 min Scan# 4083
Delta R.T. 0.006 min
Lab File: BP009612.D
Acq: 30 Mar 2022 01:14

Instrument :
BNA_P
ClientSampleId :
SB-12-5.0-6.0



Tgt Ion:276 Resp: 1307924
Ion Ratio Lower Upper
276 100
277 26.0 19.2 28.8
138 19.8 18.0 27.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

