

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
 Data File : BP009611.D
 Acq On : 30 Mar 2022 00:40
 Operator : CG/JU
 Sample : N2095-04 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-4.0-5.0

Quant Time: Mar 30 04:12:14 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	341995	20.000	ng	0.00
21) Naphthalene-d8	10.557	136	1382970	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	862677	20.000	ng	0.00
64) Phenanthrene-d10	17.180	188	1718811	20.000	ng	0.00
76) Chrysene-d12	21.310	240	1553264	20.000	ng	0.02
86) Perylene-d12	23.709	264	1912848	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.369	112	926580	47.303	ng	0.00
7) Phenol-d6	6.957	99	1187262	44.819	ng	0.00
23) Nitrobenzene-d5	8.922	82	724468	27.838	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	521543	36.636	ng	0.00
45) 2-Fluorobiphenyl	13.028	172	1810460	29.093	ng	0.00
79) Terphenyl-d14	19.757	244	2619078	30.265	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.604	128	861926	12.099	ng	99
37) 2-Methylnaphthalene	12.222	142	224392	4.489	ng	100
38) 1-Methylnaphthalene	12.445	142	179236	3.681	ng	97
49) Acenaphthylene	14.134	152	3027700	38.709	ng	100
52) Acenaphthene	14.475	154	495789	10.611	ng	99
55) Dibenzofuran	14.810	168	982364	12.515	ng	# 98
58) Fluorene	15.463	166	1169383	18.942	ng	98
71) Phenanthrene	17.222	178	16135520	175.370	ng	96
72) Anthracene	17.316	178	6660295	73.317	ng	98
73) Carbazole	17.586	167	1088718	12.255	ng	99
75) Fluoranthene	19.210	202	21623521m	194.124	ng	
78) Pyrene	19.563	202	20397827m	199.289	ng	
81) Benzo(a)anthracene	21.292	228	17240957	168.949	ng	# 78
83) Chrysene	21.345	228	14605116	151.143	ng	# 90
87) Indeno(1,2,3-cd)pyrene	26.239	276	10809439	74.485	ng	# 92
88) Benzo(b)fluoranthene	22.992	252	20804242	182.187	ng	96
89) Benzo(k)fluoranthene	23.033	252	6679563m	59.743	ng	
90) Benzo(a)pyrene	23.621	252	15573823m	159.404	ng	
91) Dibenzo(a,h)anthracene	26.239	278	3452679	28.546	ng	# 94
92) Benzo(g,h,i)perylene	27.009	276	9427057	79.229	ng	95

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

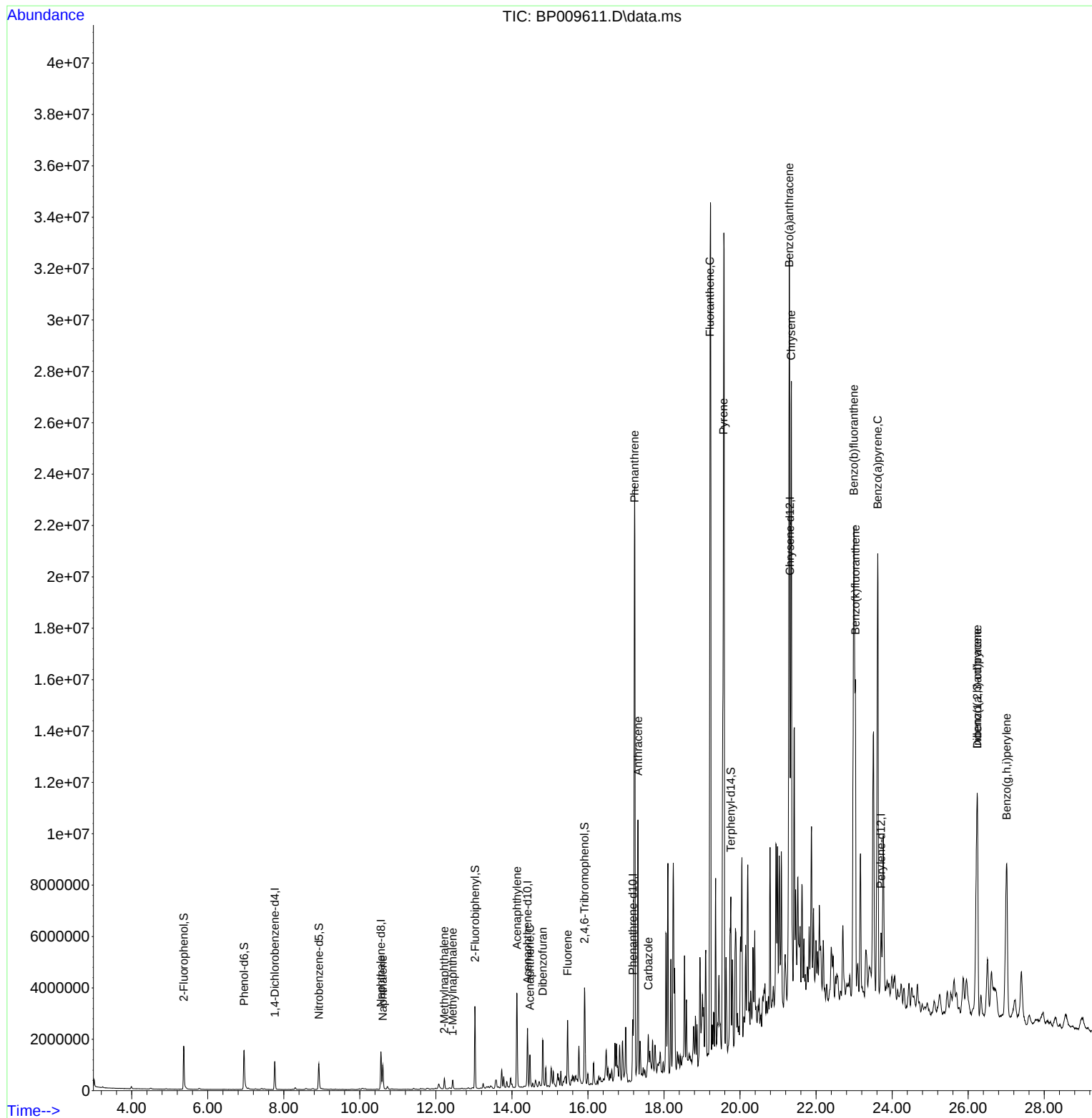
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032922\
Data File : BP009611.D
Acq On : 30 Mar 2022 00:40
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Sample : N2095-04 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

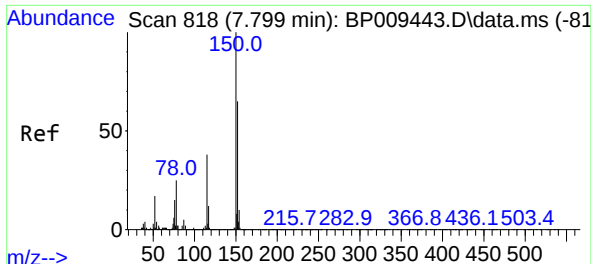
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Quant Time: Mar 30 04:12:14 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
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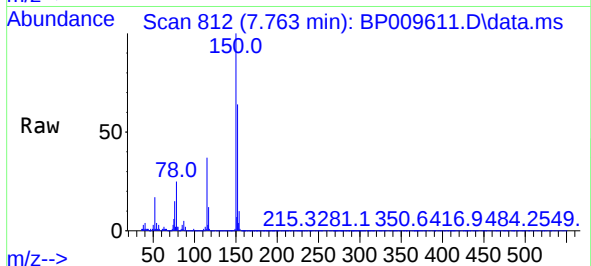
Reviewed By : Christian Giraldo 03/30/2022
Supervised By : Jagrut Upadhyay 03/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

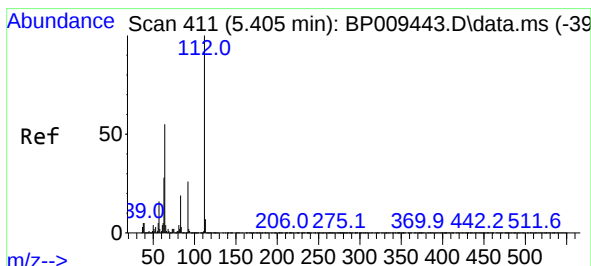
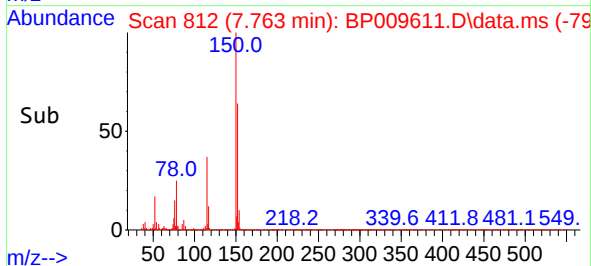
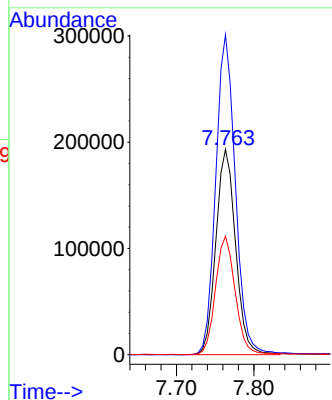
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BNA_P
ClientSampleId :
SB-04-4.0-5.0



Tgt Ion:152 Resp: 34199
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 57.8 48.2 72.4

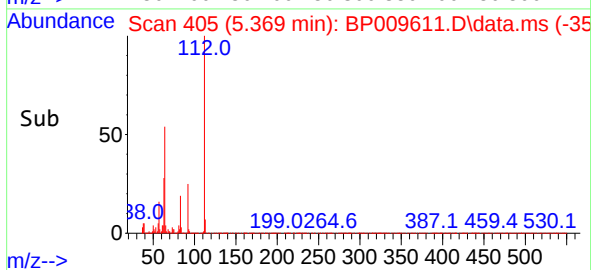
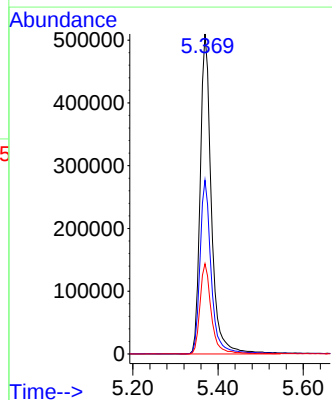
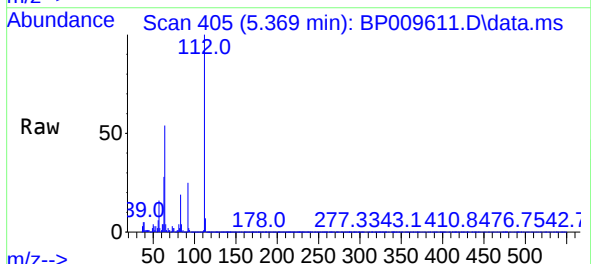
Manual Integrations
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Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#5
2-Fluorophenol
Concen: 47.303 ng
RT: 5.369 min Scan# 405
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion:112 Resp: 926580
Ion Ratio Lower Upper
112 100
64 54.3 45.0 67.4
63 28.2 23.0 34.6





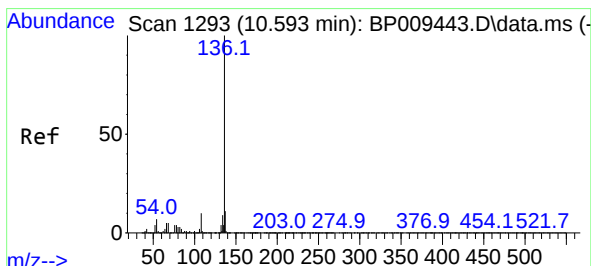
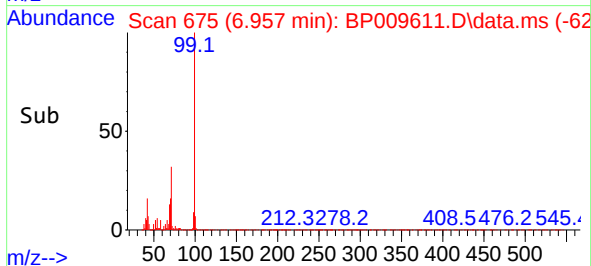
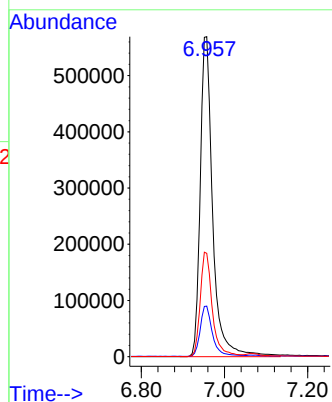
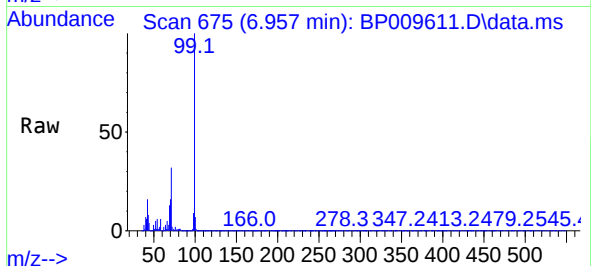
#7
Phenol-d6
Concen: 44.819 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Tgt Ion: 99 Resp: 118726
Ion Ratio Lower Upper
99 100
42 15.8 12.8 19.2
71 32.3 26.3 39.5

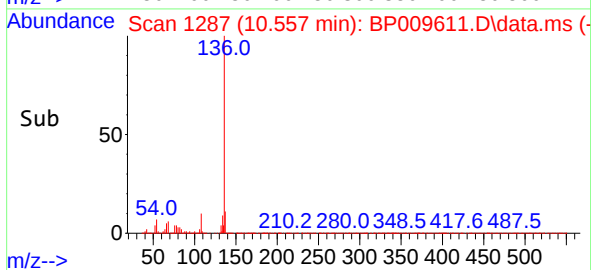
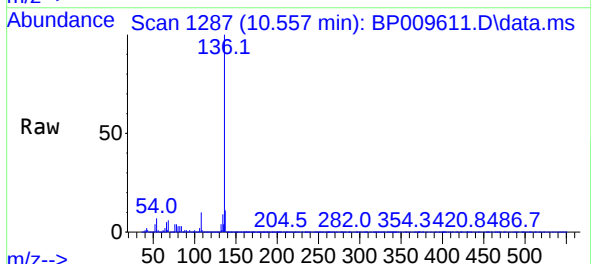
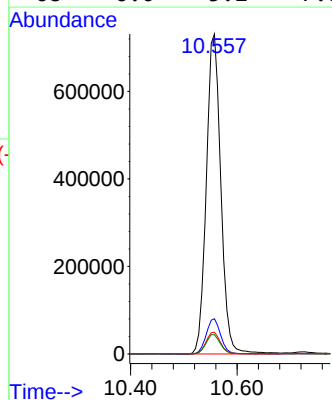
Manual Integrations
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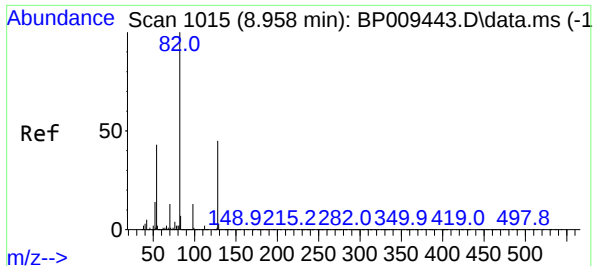
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion:136 Resp: 1382970
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 6.7 5.8 8.8
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 27.838 ng

RT: 8.922 min Scan# 1009

Delta R.T. 0.000 min

Lab File: BP009611.D

Acq: 30 Mar 2022 00:40

Instrument :

BNA_P

ClientSampleId :

SB-04-4.0-5.0

Tgt Ion: 82 Resp: 72446

Ion Ratio Lower Upper

82 100

128 44.5 34.2 51.4

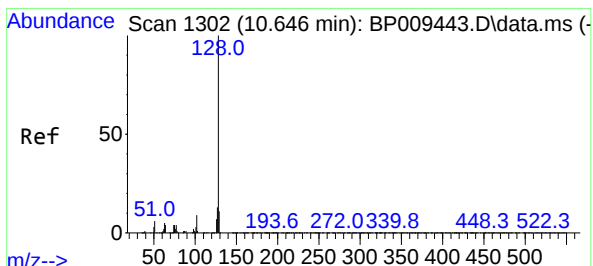
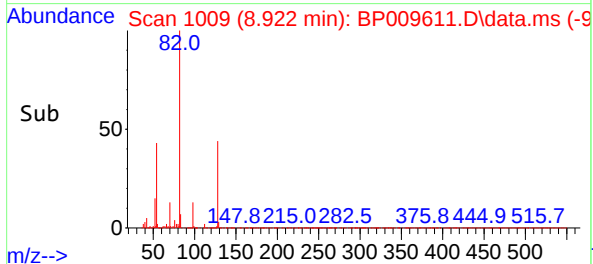
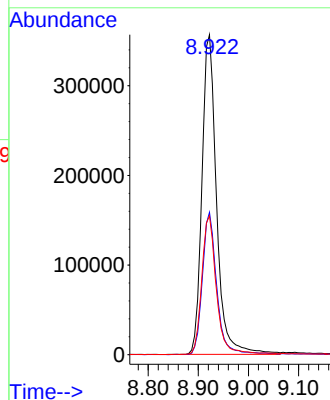
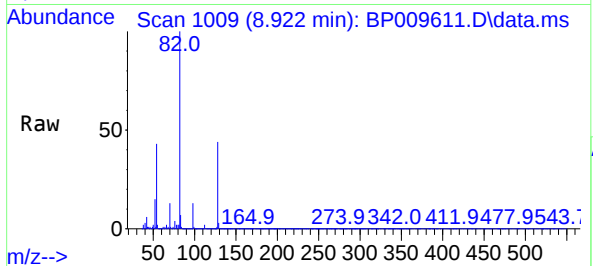
54 43.4 34.7 52.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/30/2022

Supervised By :Jagrut Upadhyay 03/30/2022



#31

Naphthalene

Concen: 12.099 ng

RT: 10.604 min Scan# 1295

Delta R.T. 0.000 min

Lab File: BP009611.D

Acq: 30 Mar 2022 00:40

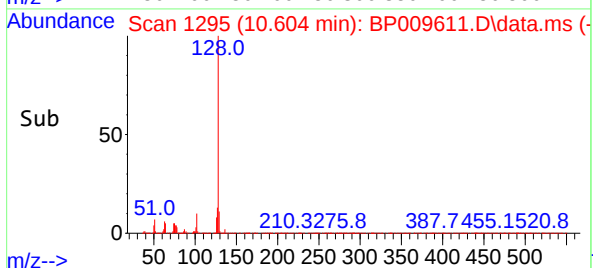
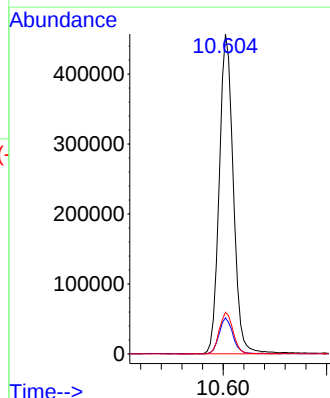
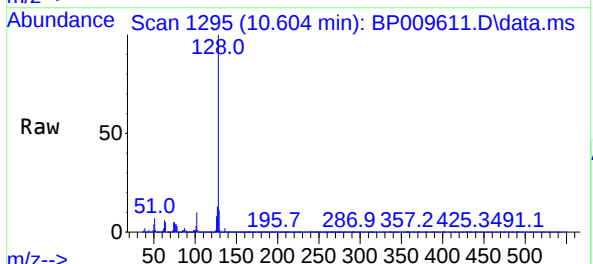
Tgt Ion:128 Resp: 861926

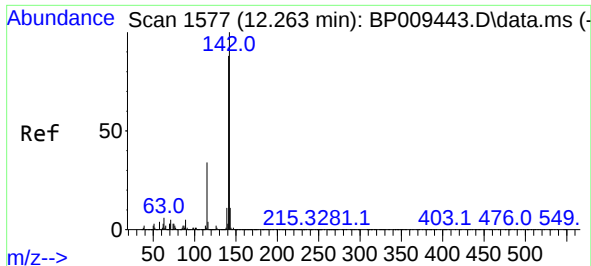
Ion Ratio Lower Upper

128 100

129 11.3 8.6 13.0

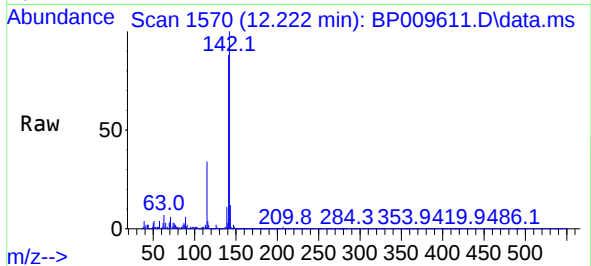
127 13.1 10.5 15.7





#37
2-Methylnaphthalene
Concen: 4.489 ng
RT: 12.222 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

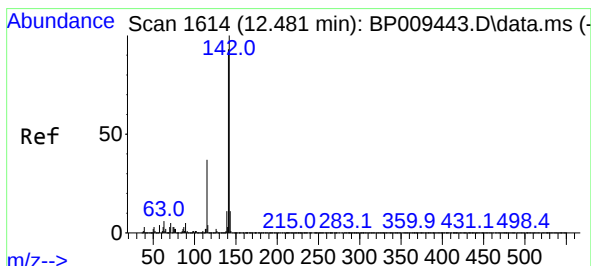
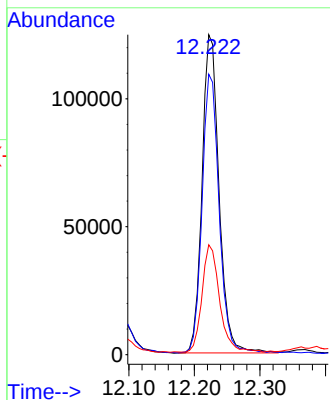
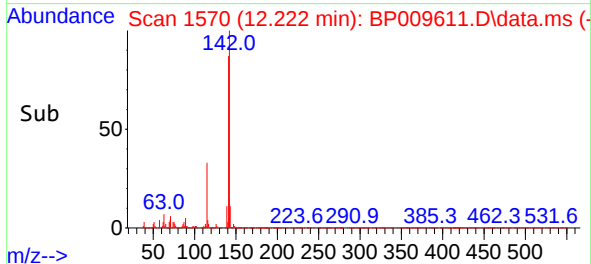
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0



Tgt Ion:142 Resp: 224392
Ion Ratio Lower Upper
142 100
141 87.6 70.2 105.4
115 34.4 27.4 41.2

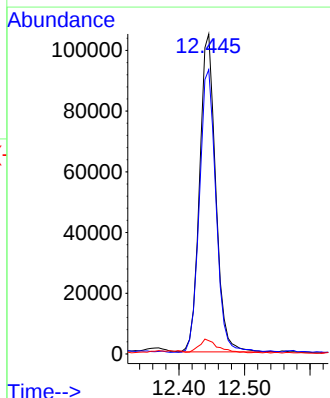
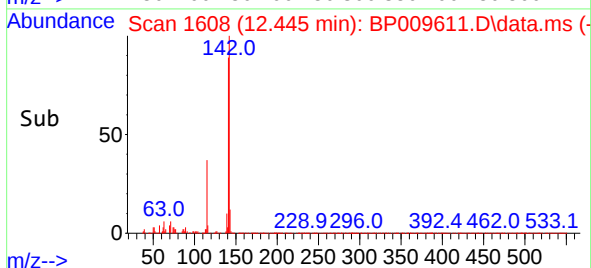
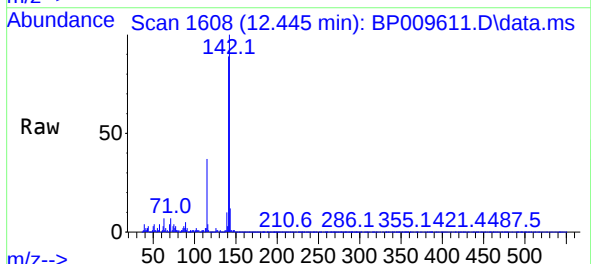
Manual Integrations
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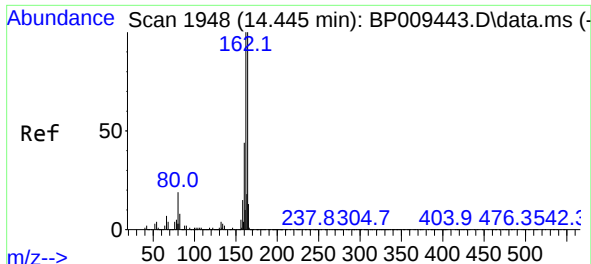
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#38
1-Methylnaphthalene
Concen: 3.681 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

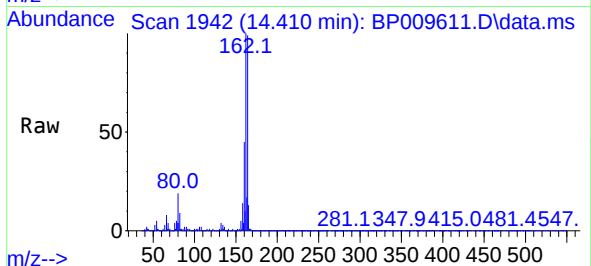
Tgt Ion:142 Resp: 179236
Ion Ratio Lower Upper
142 100
141 88.8 73.5 110.3
116 4.2 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

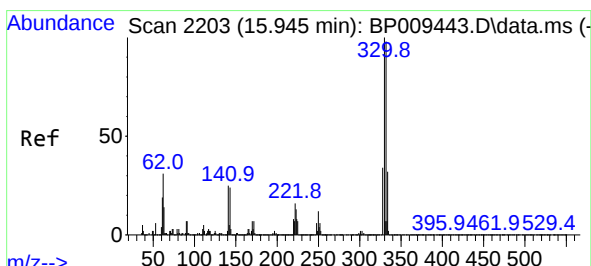
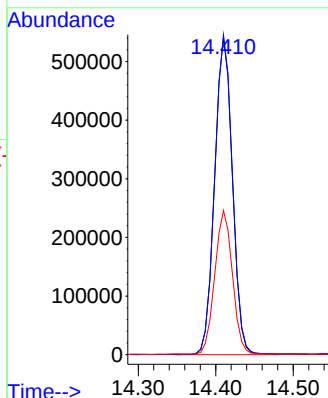
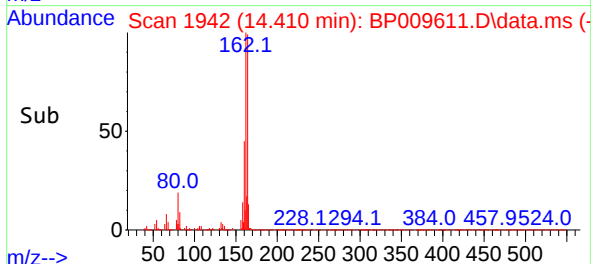
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ClientSampleId :
SB-04-4.0-5.0



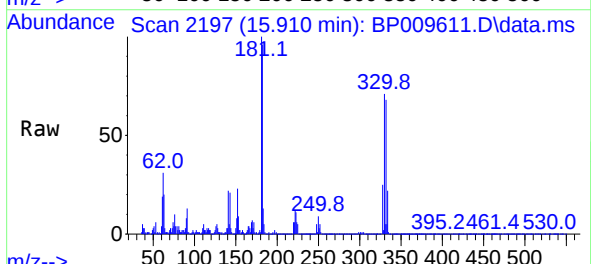
Tgt Ion:164 Resp: 86267
Ion Ratio Lower Upper
164 100
162 101.0 79.1 118.7
160 45.5 34.9 52.3

Manual Integrations
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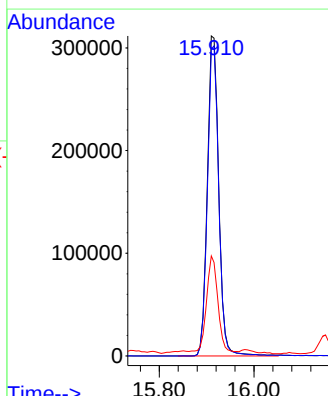
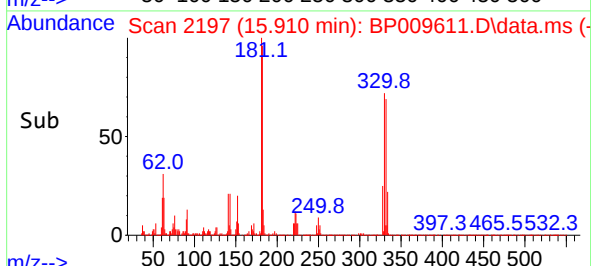
Reviewed By :Christian Giraldo 03/30/2022
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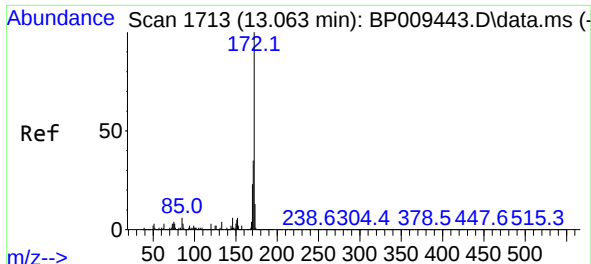


#42
2,4,6-Tribromophenol
Concen: 36.636 ng
RT: 15.910 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40



Tgt Ion:330 Resp: 521543
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 29.8 27.6 41.4





#45
2-Fluorobiphenyl
Concen: 29.093 ng
RT: 13.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Instrument :

BNA_P

ClientSampleId :

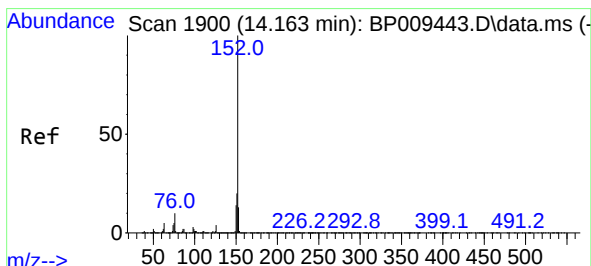
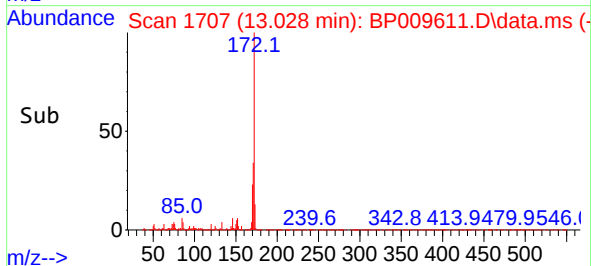
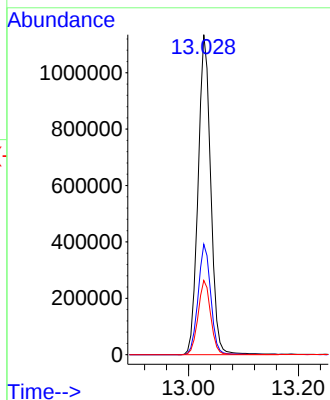
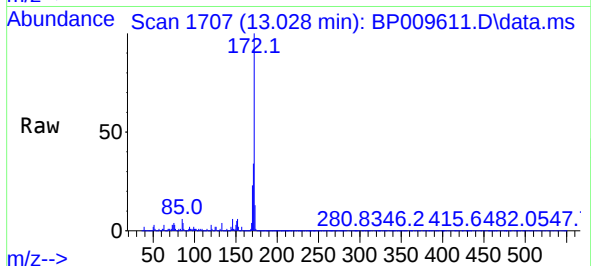
SB-04-4.0-5.0

Tgt Ion:172 Resp: 1810460
Ion Ratio Lower Upper
172 100
171 34.5 28.0 42.0
170 23.2 18.6 27.8

Manual Integrations

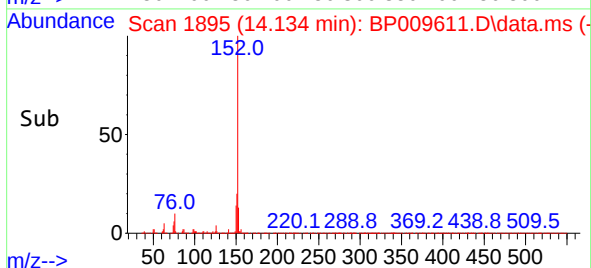
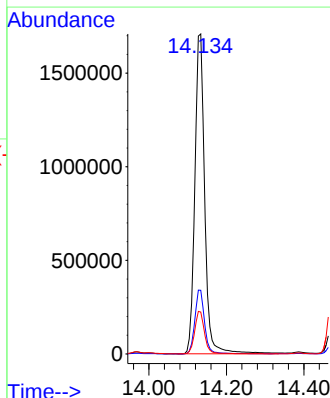
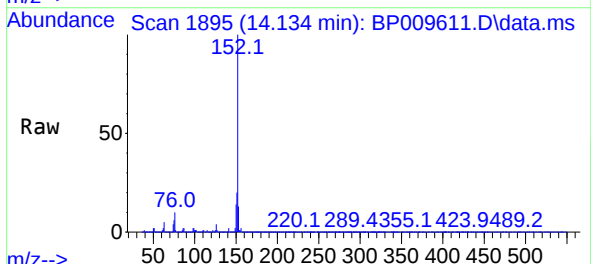
APPROVED

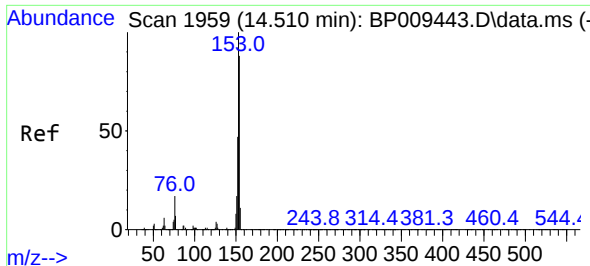
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#49
Acenaphthylene
Concen: 38.709 ng
RT: 14.134 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion:152 Resp: 3027700
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.1 10.7 16.1





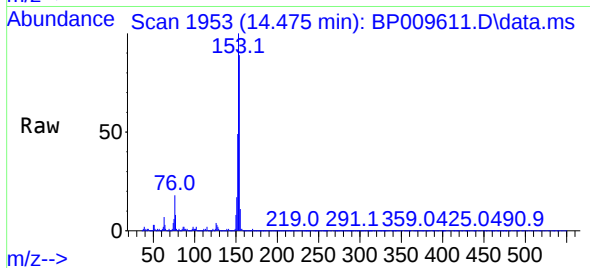
#52
Acenaphthene
Concen: 10.611 ng
RT: 14.475 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Instrument :

BNA_P

ClientSampleId :

SB-04-4.0-5.0

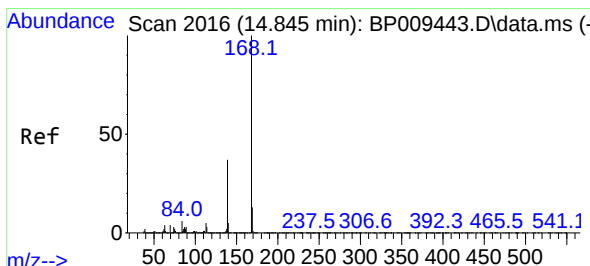
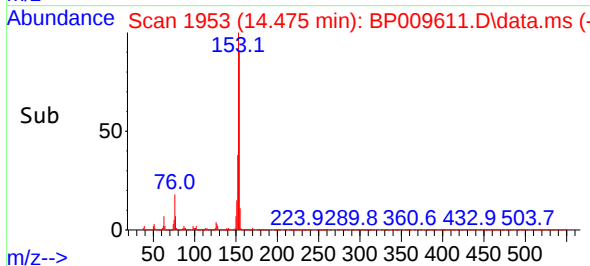
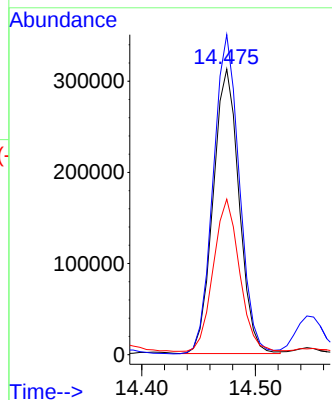


Tgt Ion:154 Resp: 495789
Ion Ratio Lower Upper
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153 112.0 90.2 135.4
152 54.4 42.7 64.1

Manual Integrations

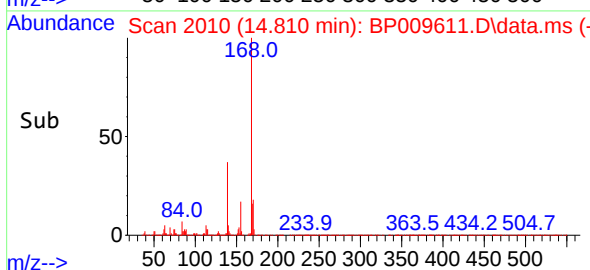
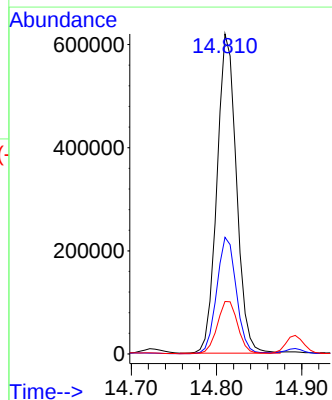
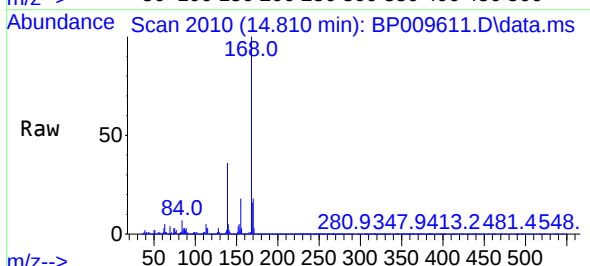
APPROVED

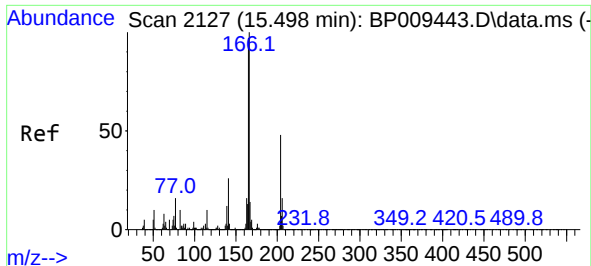
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#55
Dibenzofuran
Concen: 12.515 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion:168 Resp: 982364
Ion Ratio Lower Upper
168 100
139 36.5 29.1 43.7
169 16.4 10.6 16.0#





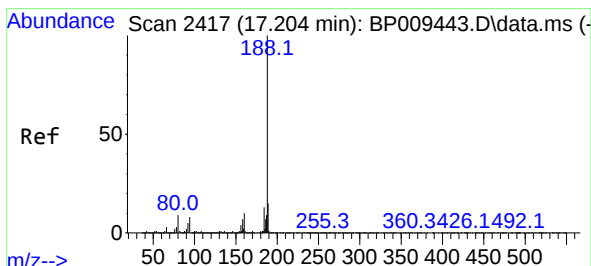
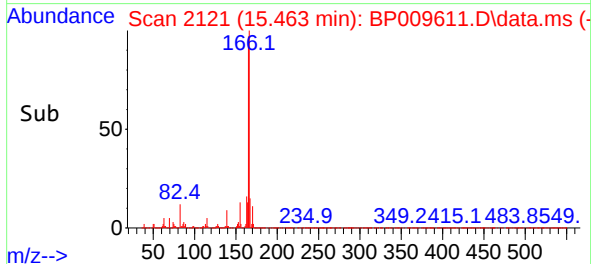
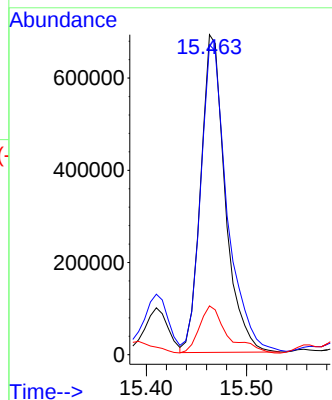
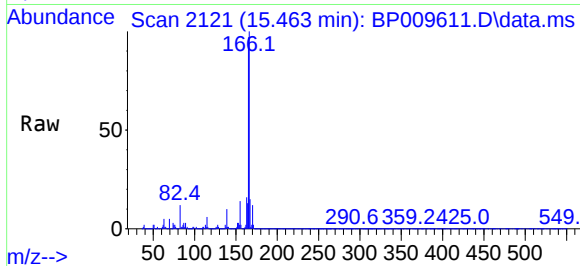
#58
Fluorene
Concen: 18.942 ng
RT: 15.463 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Tgt Ion:166 Resp: 116938
Ion Ratio Lower Upper
166 100
165 96.9 79.2 118.8
167 15.3 10.7 16.1

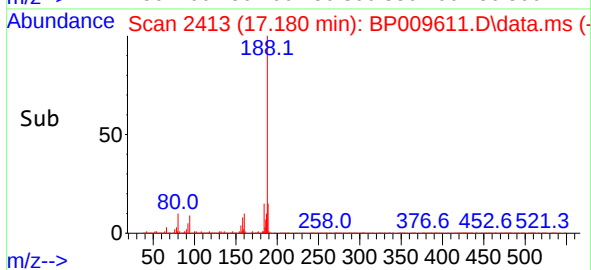
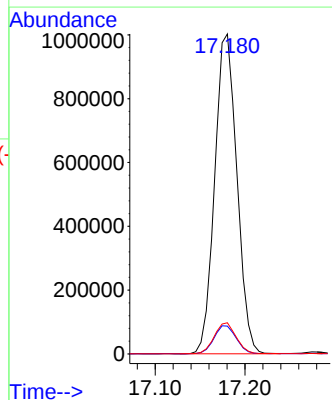
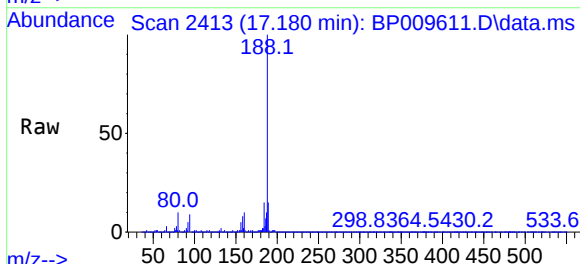
Manual Integrations
APPROVED

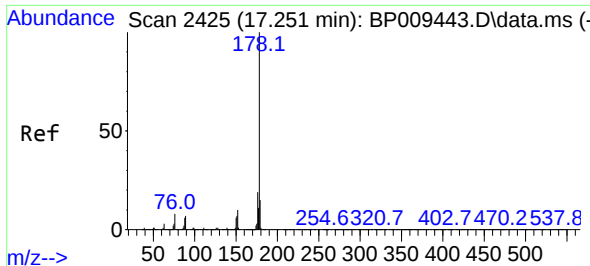
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.180 min Scan# 2413
Delta R.T. 0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

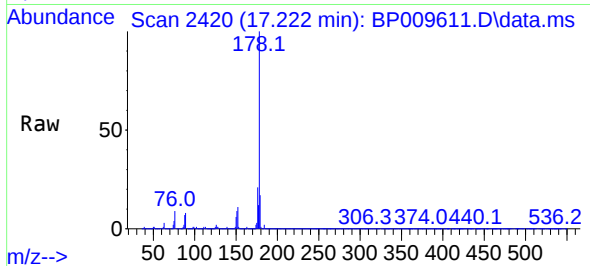
Tgt Ion:188 Resp: 1718811
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.8 8.8 13.2





#71
Phenanthrene
Concen: 175.370 ng
RT: 17.222 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

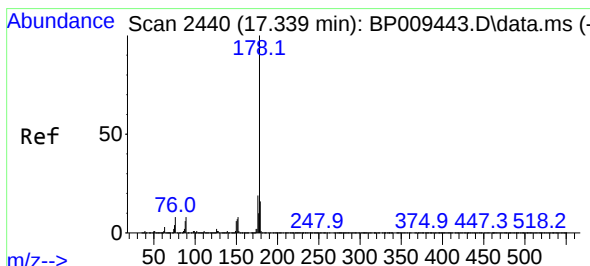
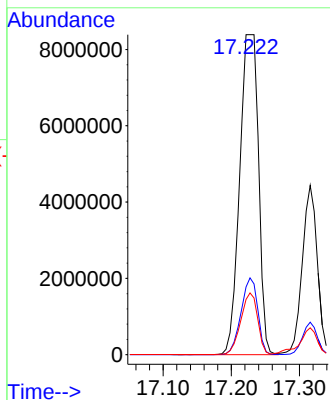
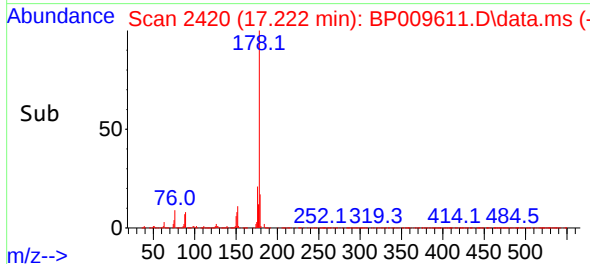
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0



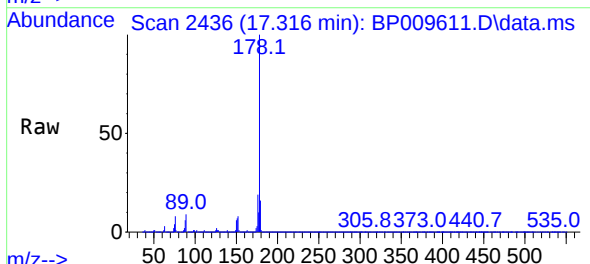
Tgt Ion:178 Resp:16135520
Ion Ratio Lower Upper
178 100
176 21.2 15.4 23.2
179 17.3 12.3 18.5

Manual Integrations
APPROVED

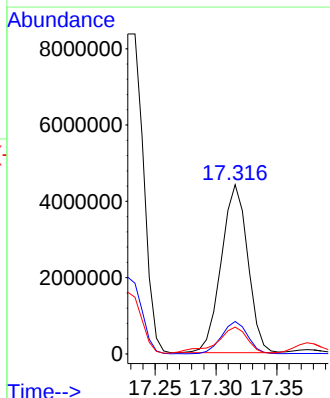
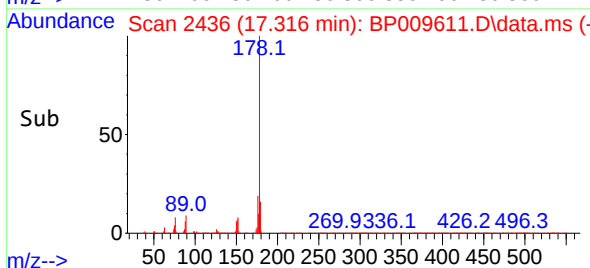
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022

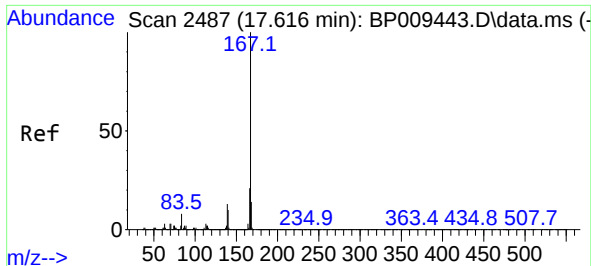


#72
Anthracene
Concen: 73.317 ng
RT: 17.316 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40



Tgt Ion:178 Resp: 6660295
Ion Ratio Lower Upper
178 100
176 19.2 14.8 22.2
179 15.9 12.2 18.4





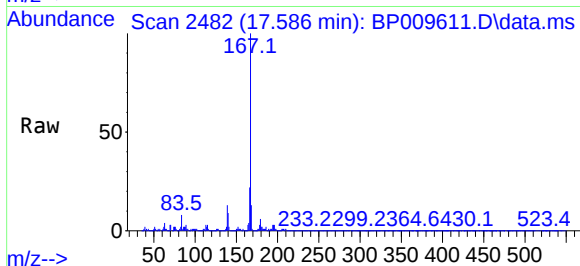
#73
 Carbazole
 Concen: 12.255 ng
 RT: 17.586 min Scan# 2487
 Delta R.T. 0.000 min
 Lab File: BP009611.D
 Acq: 30 Mar 2022 00:40

Instrument :

BNA_P

ClientSampleId :

SB-04-4.0-5.0

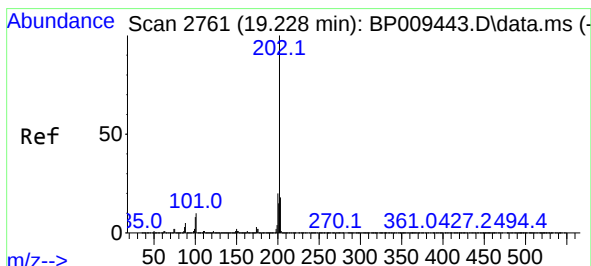
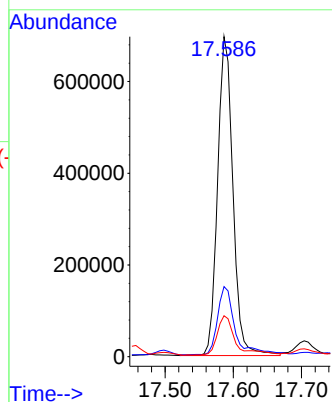


Tgt Ion:167 Resp: 1088718
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.2 25.8
 139 12.8 10.3 15.5

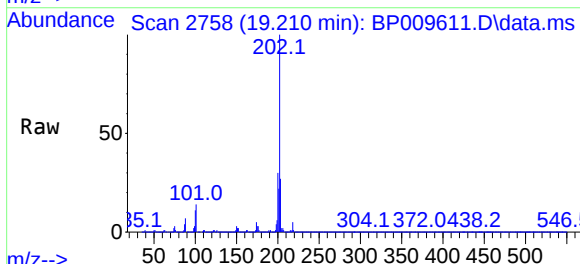
Manual Integrations

APPROVED

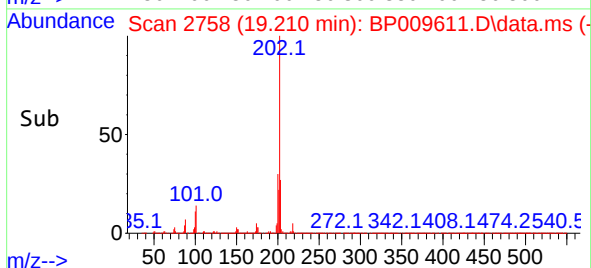
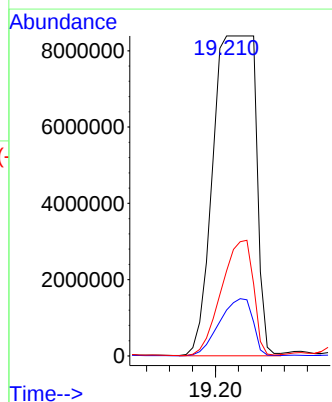
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022

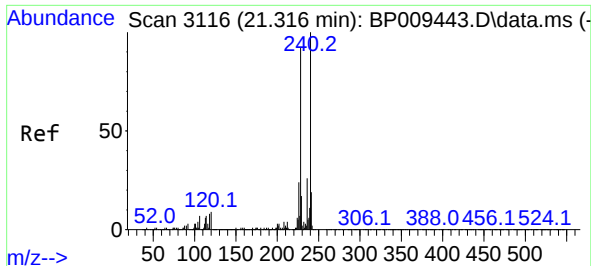


#75
 Fluoranthene
 Concen: 194.124 ng m
 RT: 19.210 min Scan# 2758
 Delta R.T. 0.006 min
 Lab File: BP009611.D
 Acq: 30 Mar 2022 00:40



Tgt Ion:202 Resp:21623521
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 31.5
 203 26.6 0.0 37.8





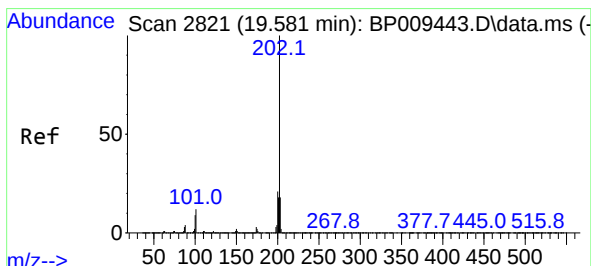
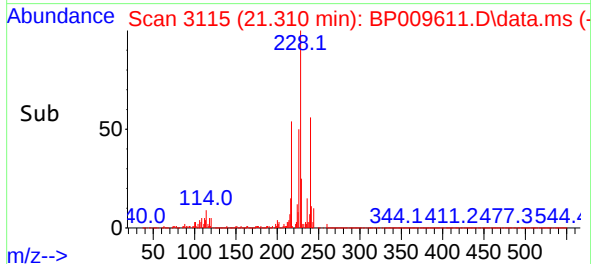
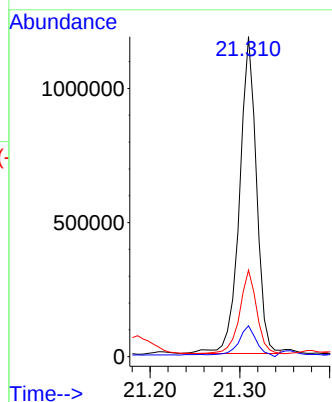
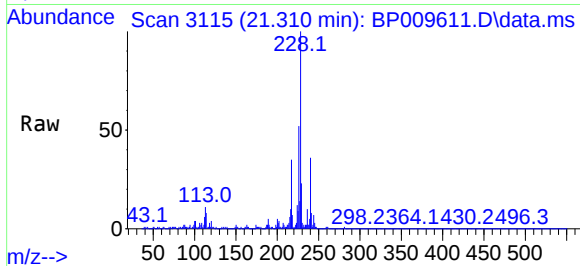
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.310 min Scan# 3116
Delta R.T. 0.018 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0

Tgt Ion:240 Resp: 1553264
Ion Ratio Lower Upper
240 100
120 9.6 9.0 13.4
236 27.0 20.6 30.8

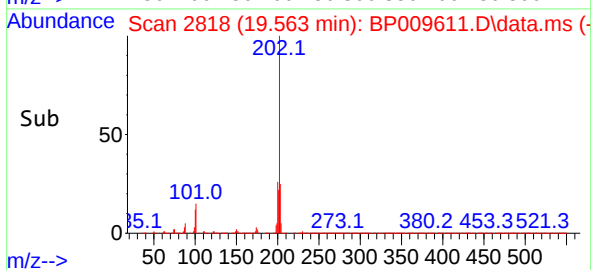
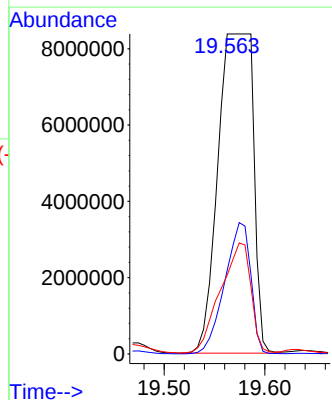
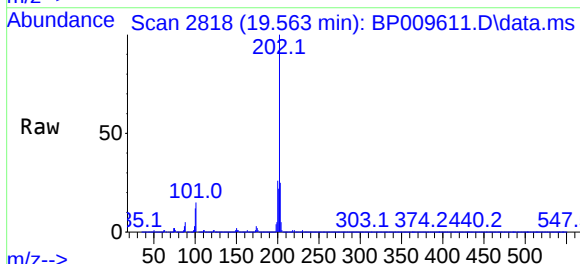
Manual Integrations
APPROVED

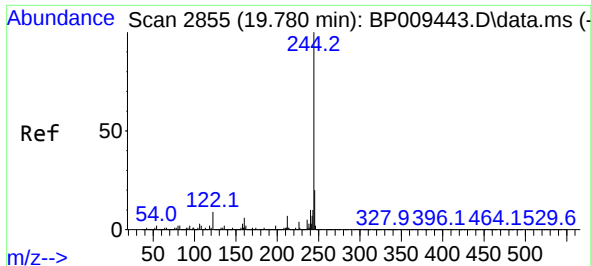
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#78
Pyrene
Concen: 199.289 ng m
RT: 19.563 min Scan# 2818
Delta R.T. 0.006 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion:202 Resp:20397827
Ion Ratio Lower Upper
202 100
200 26.2 16.8 25.2#
203 24.7 14.2 21.4#





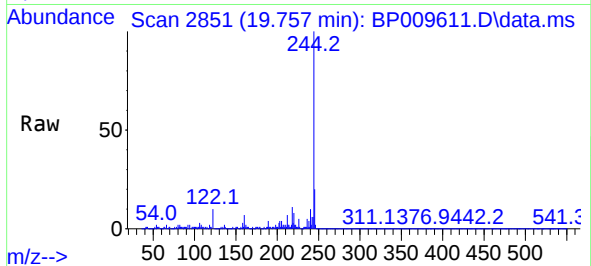
#79
 Terphenyl-d14
 Concen: 30.265 ng
 RT: 19.757 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BP009611.D
 Acq: 30 Mar 2022 00:40

Instrument :

BNA_P

ClientSampleId :

SB-04-4.0-5.0

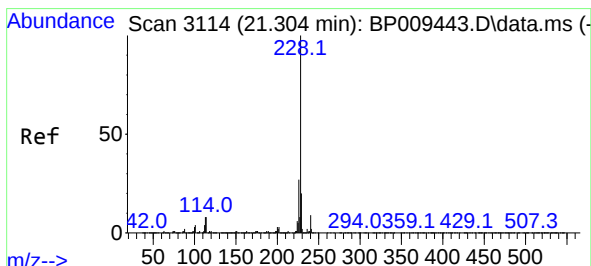
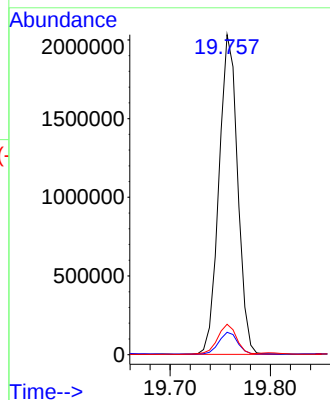
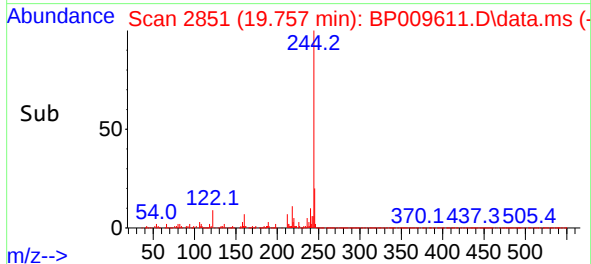


Tgt Ion:244 Resp: 2619078
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 9.5 8.3 12.5

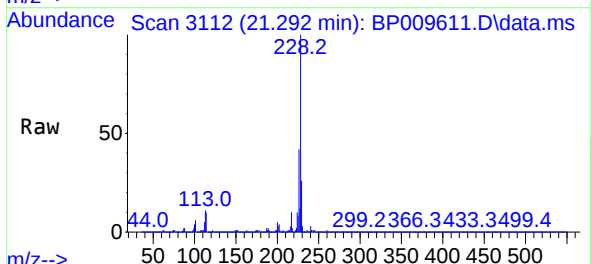
Manual Integrations

APPROVED

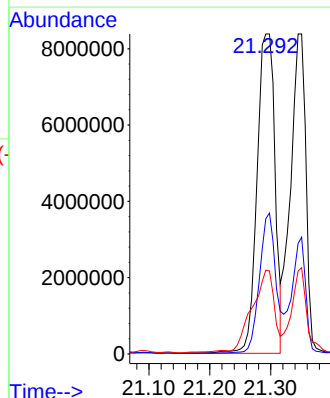
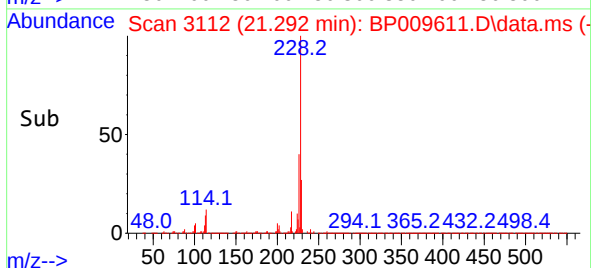
Reviewed By :Christian Giraldo 03/30/2022
 Supervised By :Jagrut Upadhyay 03/30/2022

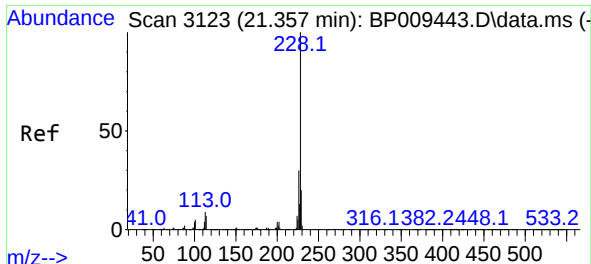


#81
 Benzo(a)anthracene
 Concen: 168.949 ng
 RT: 21.292 min Scan# 3112
 Delta R.T. 0.012 min
 Lab File: BP009611.D
 Acq: 30 Mar 2022 00:40



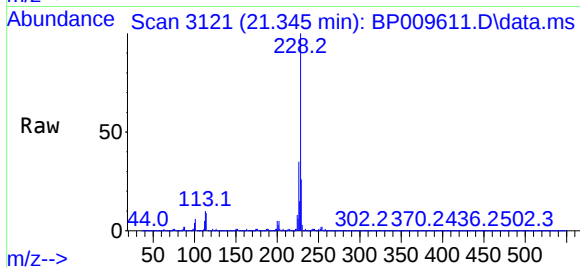
Tgt Ion:228 Resp:17240957
 Ion Ratio Lower Upper
 228 100
 226 42.3 22.0 33.0#
 229 26.2 16.1 24.1#





#83
Chrysene
Concen: 151.143 ng
RT: 21.345 min Scan# 3123
Delta R.T. 0.012 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

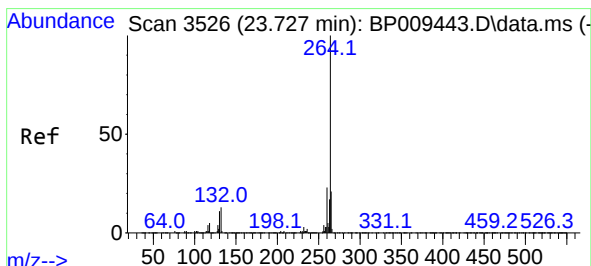
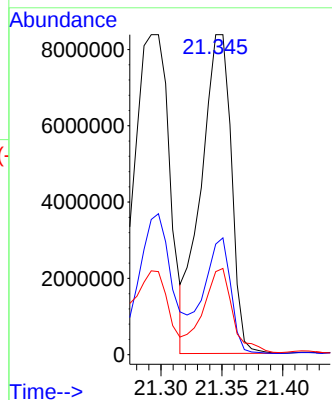
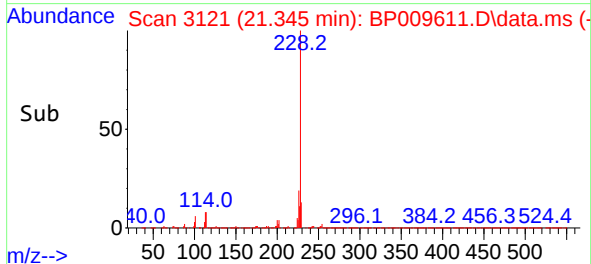
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0



Tgt Ion:228 Resp:14605110
Ion Ratio Lower Upper
228 100
226 34.5 24.2 36.2
229 26.0 16.1 24.1

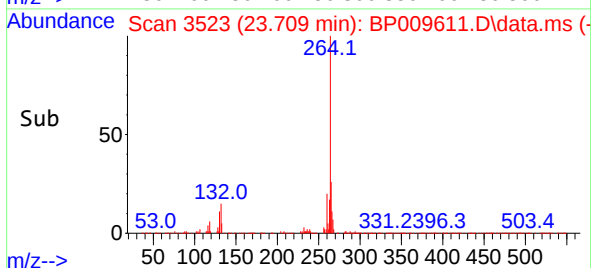
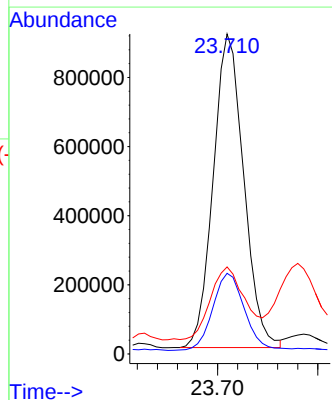
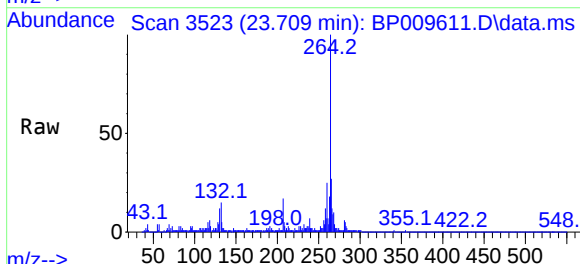
Manual Integrations
APPROVED

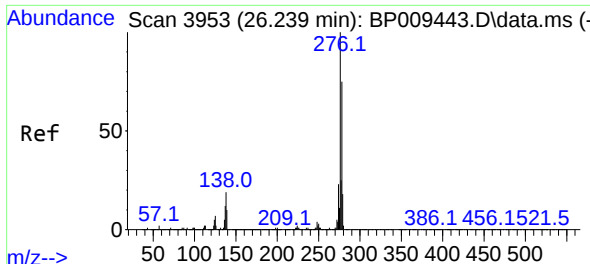
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.709 min Scan# 3523
Delta R.T. 0.024 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion:264 Resp: 1912848
Ion Ratio Lower Upper
264 100
260 25.2 19.4 29.0
265 27.2 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 74.485 ng
RT: 26.239 min Scan# 3953
Delta R.T. 0.059 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Instrument :

BNA_P

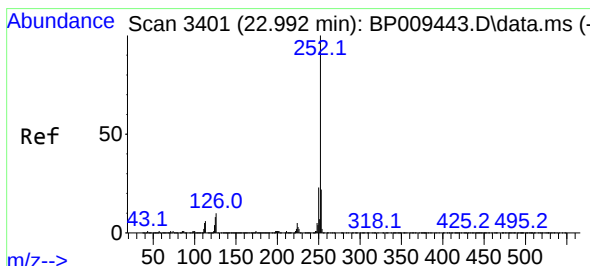
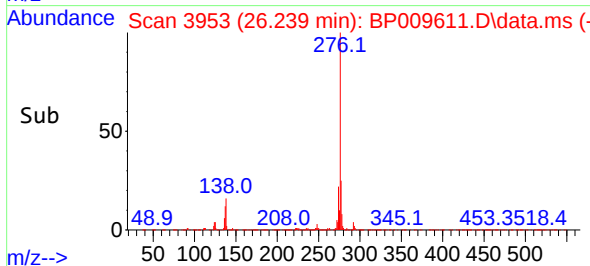
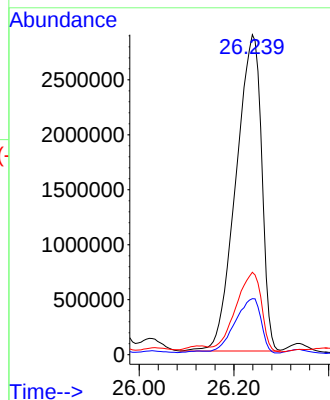
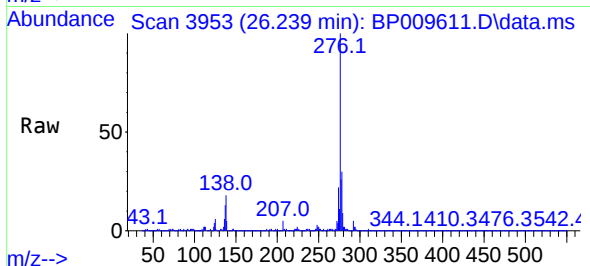
ClientSampleId :

SB-04-4.0-5.0

Tgt Ion:276 Resp:10809439
Ion Ratio Lower Upper
276 100
138 17.4 20.5 30.7
277 25.3 20.4 30.6

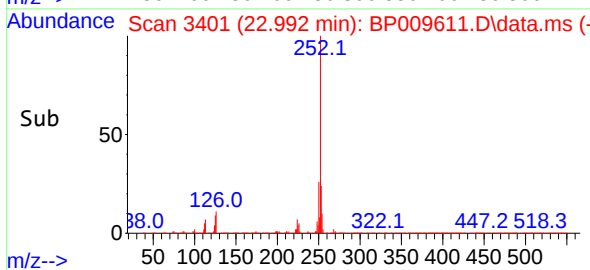
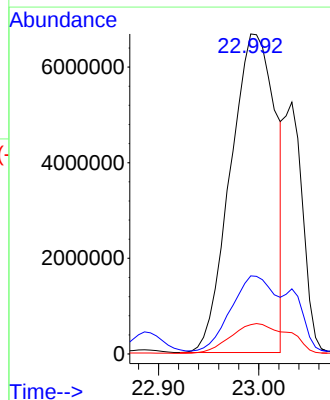
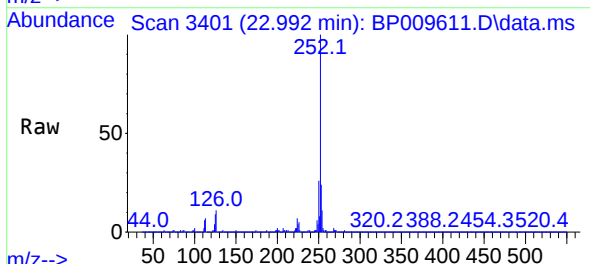
Manual Integrations
APPROVED

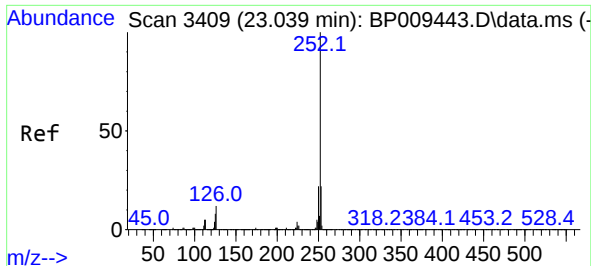
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#88
Benzo(b)fluoranthene
Concen: 182.187 ng
RT: 22.992 min Scan# 3401
Delta R.T. 0.029 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion:252 Resp:20804242
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.8
125 9.2 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 59.743 ng m
RT: 23.033 min Scan# 3409
Delta R.T. 0.029 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Instrument :

BNA_P

ClientSampleId :

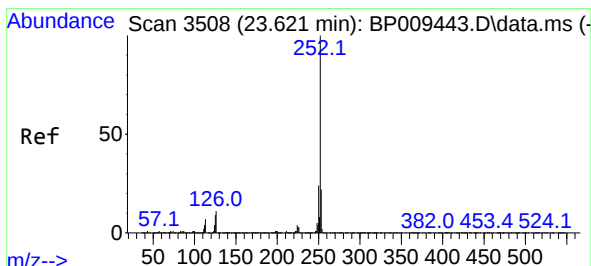
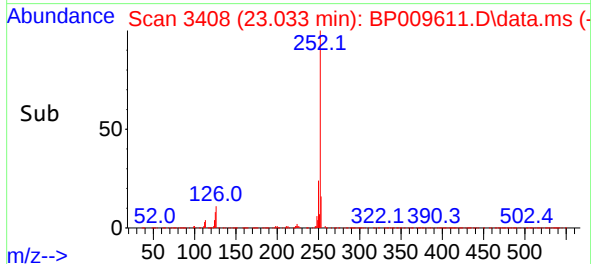
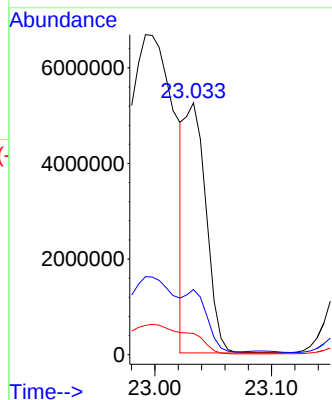
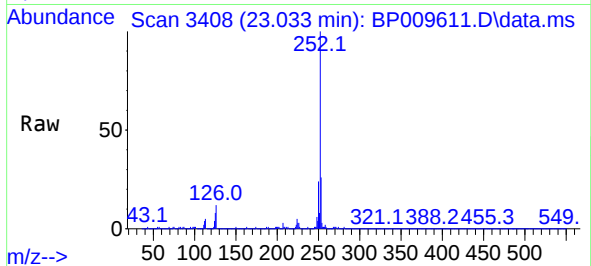
SB-04-4.0-5.0

Tgt Ion:252 Resp: 667956
Ion Ratio Lower Upper
252 100
253 25.9 17.5 26.3
125 8.5 8.3 12.5

Manual Integrations

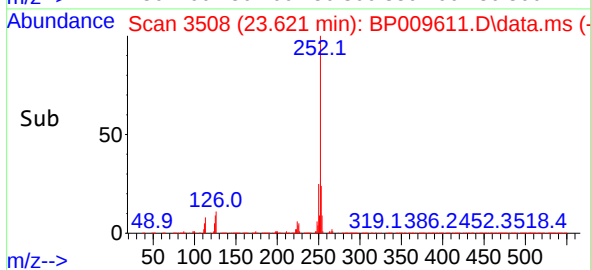
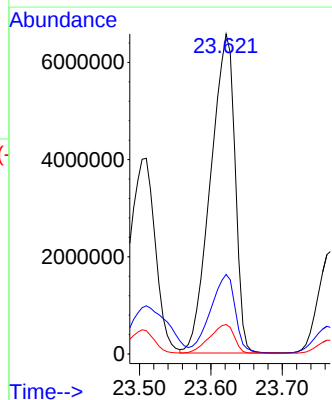
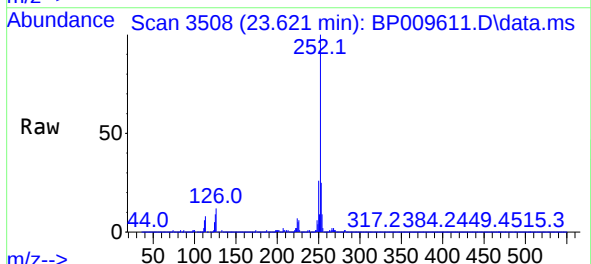
APPROVED

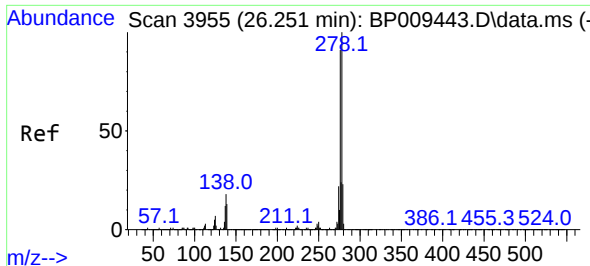
Reviewed By :Christian Giraldo 03/30/2022
Supervised By :Jagrut Upadhyay 03/30/2022



#90
Benzo(a)pyrene
Concen: 159.404 ng m
RT: 23.621 min Scan# 3508
Delta R.T. 0.041 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

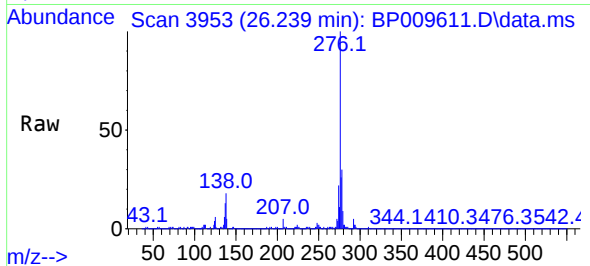
Tgt Ion:252 Resp:15573823
Ion Ratio Lower Upper
252 100
253 24.9 17.8 26.6
125 9.2 9.3 13.9#





#91
Dibenzo(a,h)anthracene
Concen: 28.546 ng
RT: 26.239 min Scan# 3953
Delta R.T. 0.041 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

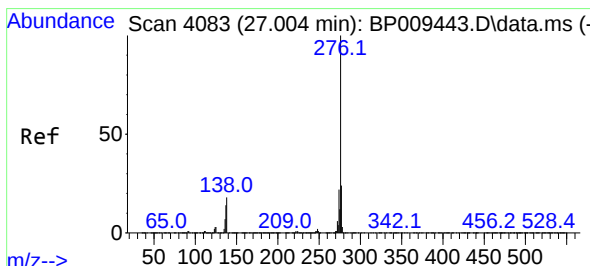
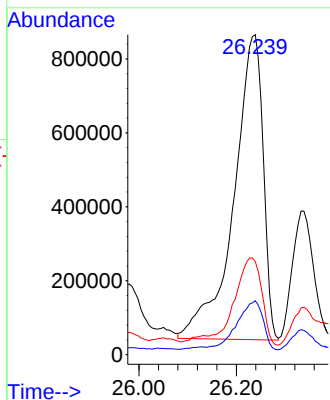
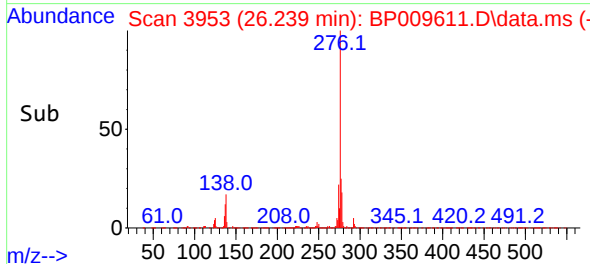
Instrument :
BNA_P
ClientSampleId :
SB-04-4.0-5.0



Tgt Ion: 278 Resp: 3452679
Ion Ratio Lower Upper
278 100
139 16.9 13.2 19.8
279 29.1 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 79.229 ng
RT: 27.009 min Scan# 4084
Delta R.T. 0.065 min
Lab File: BP009611.D
Acq: 30 Mar 2022 00:40

Tgt Ion: 276 Resp: 9427057
Ion Ratio Lower Upper
276 100
277 25.0 19.2 28.8
138 18.8 18.0 27.0

