

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
 Data File : BP009670.D
 Acq On : 01 Apr 2022 22:00
 Operator : CG/JU
 Sample : N2123-02DL 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20220339-AMENDED-COMP-CS-1DL

Quant Time: Apr 01 22:46:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 04/04/2022
 Supervised By : Jagrut Upadhyay 04/04/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	275062	20.000	ng	-0.01
21) Naphthalene-d8	10.522	136	1162801	20.000	ng	-0.01
39) Acenaphthene-d10	14.381	164	738803	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1528274	20.000	ng	-0.01
76) Chrysene-d12	21.263	240	1460008	20.000	ng	-0.01
86) Perylene-d12	23.639	264	1561707	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.358	112	4744m	0.301	ng	0.01
7) Phenol-d6	6.975	99	17020m	0.799	ng	0.04
23) Nitrobenzene-d5	8.910	82	18025m	0.824	ng	0.01
42) 2,4,6-Tribromophenol	15.898	330	2199	0.180	ng	0.00
45) 2-Fluorobiphenyl	12.999	172	70827	1.329	ng	-0.01
79) Terphenyl-d14	19.722	244	113380	1.394	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	10.569	128	543442	9.073	ng	99
37) 2-Methylnaphthalene	12.193	142	447583	10.650	ng	99
38) 1-Methylnaphthalene	12.410	142	657208	16.053	ng	100
49) Acenaphthylene	14.098	152	141449	2.112	ng	# 87
52) Acenaphthene	14.445	154	424661	10.613	ng	98
55) Dibenzofuran	14.781	168	137285	2.042	ng	# 89
58) Fluorene	15.434	166	316086	5.979	ng	# 99
71) Phenanthrene	17.187	178	2590178	31.661	ng	99
72) Anthracene	17.281	178	846482	10.480	ng	99
75) Fluoranthene	19.175	202	2429561	24.531	ng	99
78) Pyrene	19.528	202	2378119	24.718	ng	100
81) Benzo(a)anthracene	21.245	228	1206225	12.575	ng	98
83) Chrysene	21.298	228	1039164m	11.441	ng	
87) Indeno(1,2,3-cd)pyrene	26.110	276	596222	5.032	ng	# 93
88) Benzo(b)fluoranthene	22.922	252	1225894m	13.149	ng	
89) Benzo(k)fluoranthene	22.963	252	368572m	4.038	ng	
90) Benzo(a)pyrene	23.533	252	1020825	12.798	ng	98
92) Benzo(g,h,i)perylene	26.868	276	585037	6.022	ng	94

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

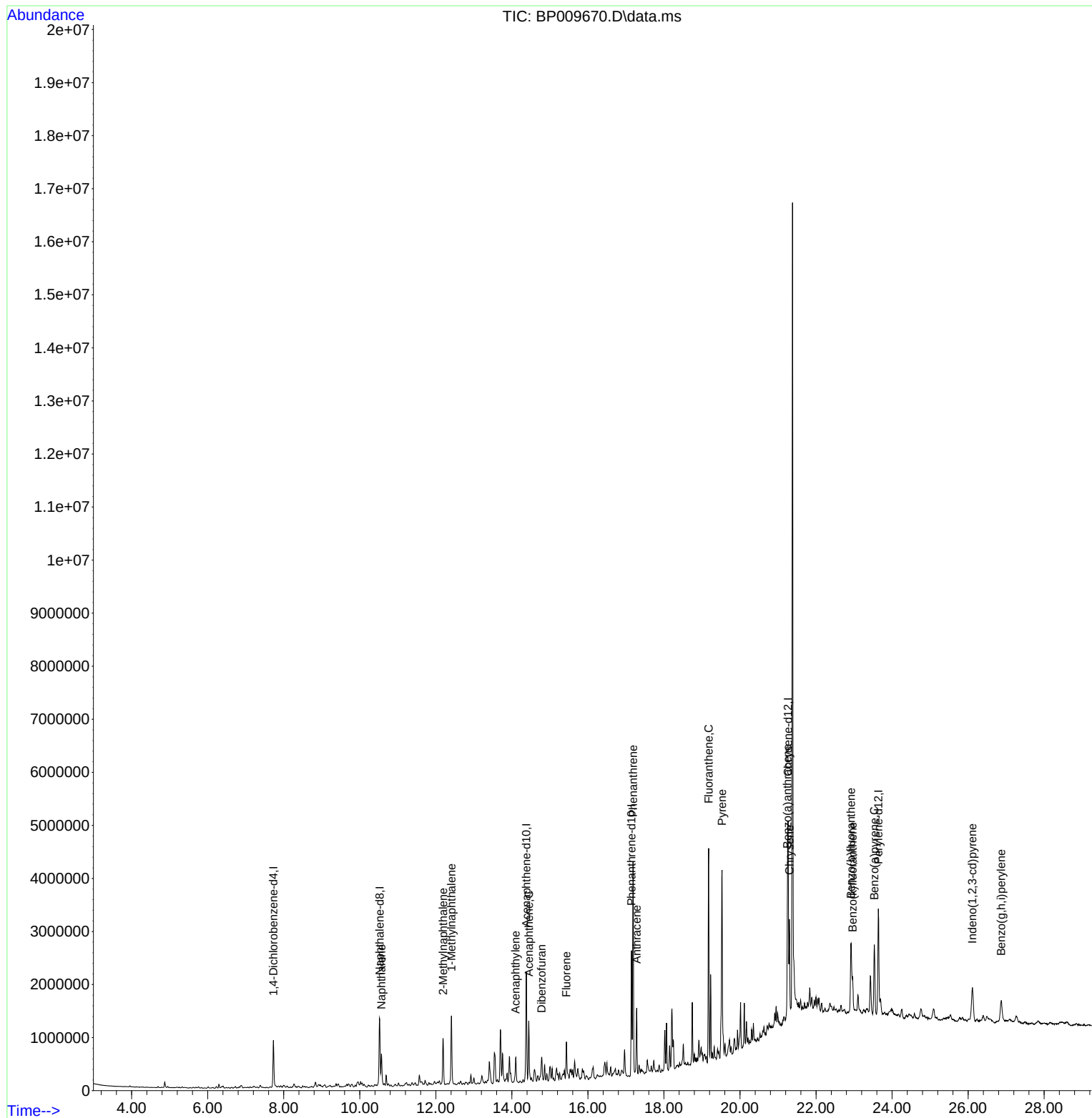
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP040122\
Data File : BP009670.D
Acq On : 01 Apr 2022 22:00
Operator : CG/JU
Sample : N2123-02DL 50X
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ALS Vial : 20 Sample Multiplier: 1

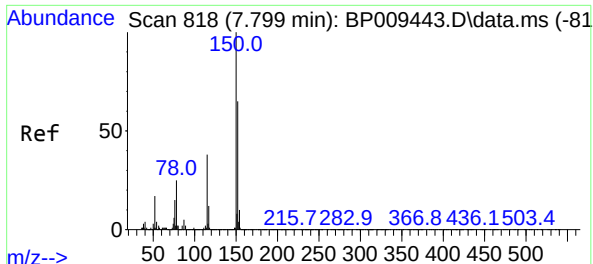
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

Quant Time: Apr 01 22:46:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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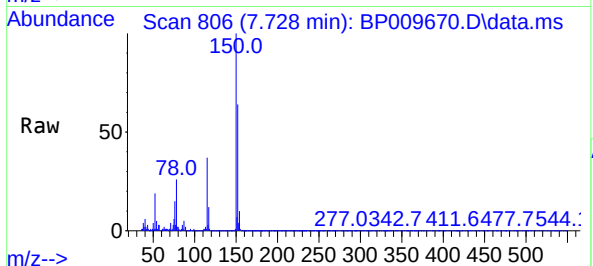
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.728 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

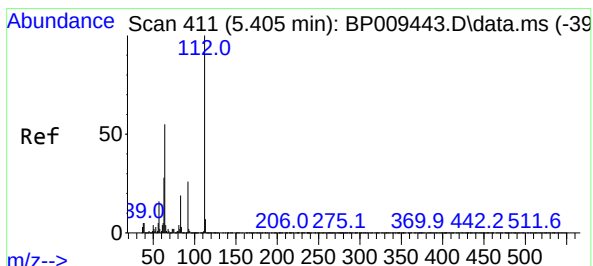
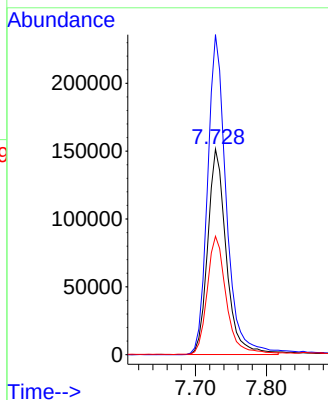
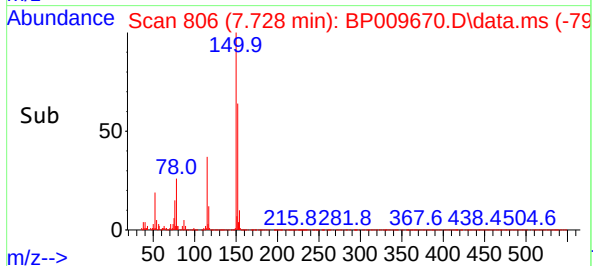
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL



Tgt Ion:152 Resp: 275062
Ion Ratio Lower Upper
152 100
150 155.6 124.5 186.7
115 57.6 48.2 72.4

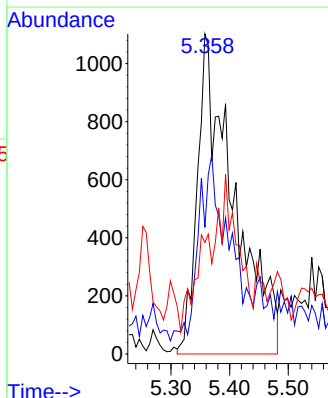
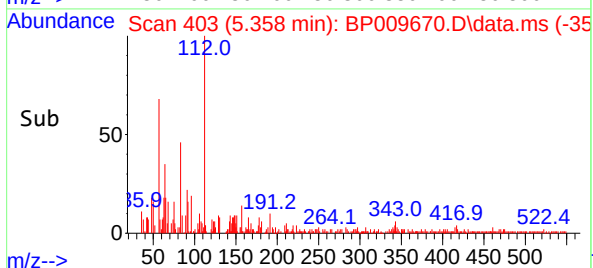
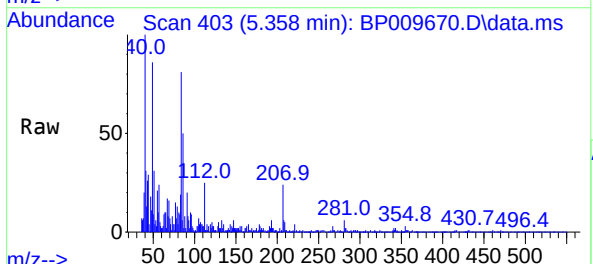
Manual Integrations
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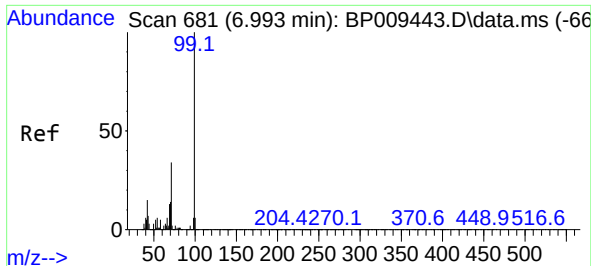
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#5
2-Fluorophenol
Concen: 0.301 ng m
RT: 5.358 min Scan# 403
Delta R.T. 0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

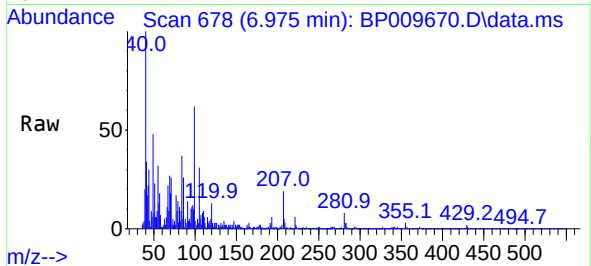
Tgt Ion:112 Resp: 4744
Ion Ratio Lower Upper
112 100
64 39.6 45.0 67.4#
63 34.8 23.0 34.6#





Phenol-d6
Concen: 0.799 ng m
RT: 6.975 min Scan# 61
Delta R.T. 0.041 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

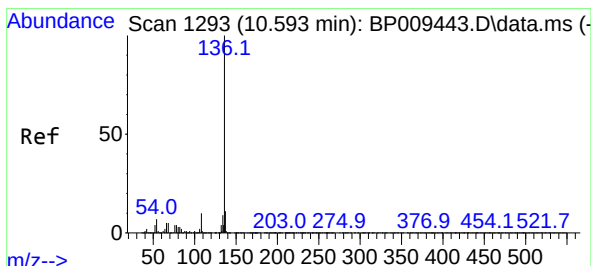
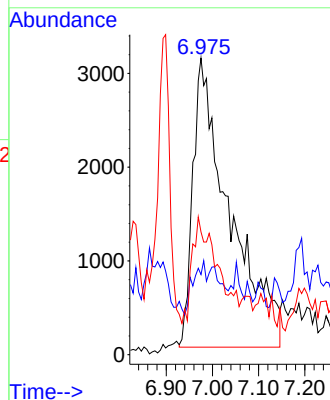
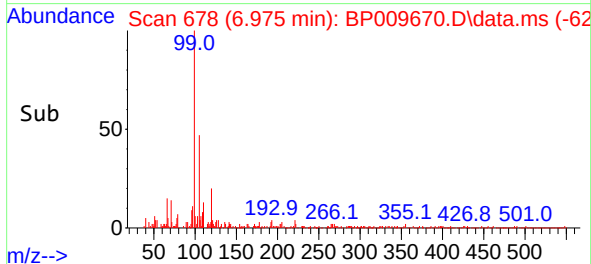
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL



Tgt Ion: 99 Resp: 17020
Ion Ratio Lower Upper
99 100
42 27.1 12.8 19.2
71 41.4 26.3 39.5

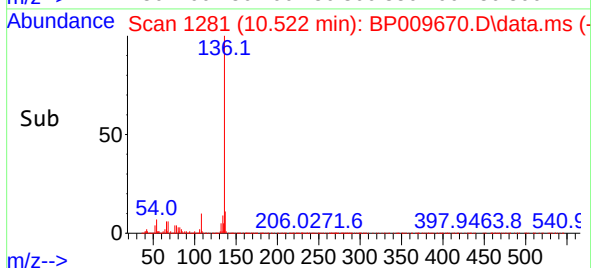
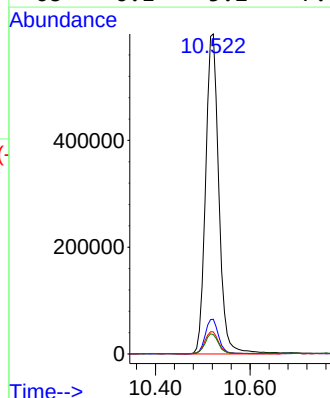
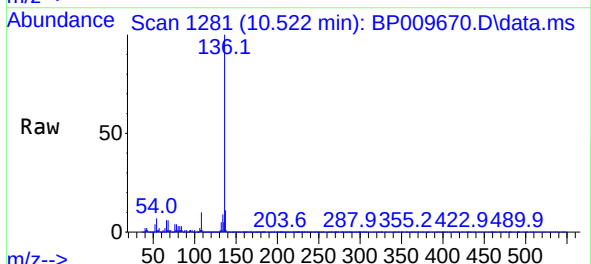
Manual Integrations
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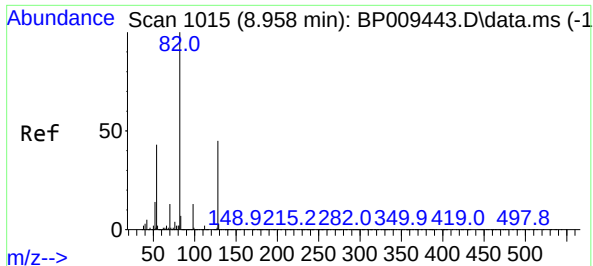
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.522 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

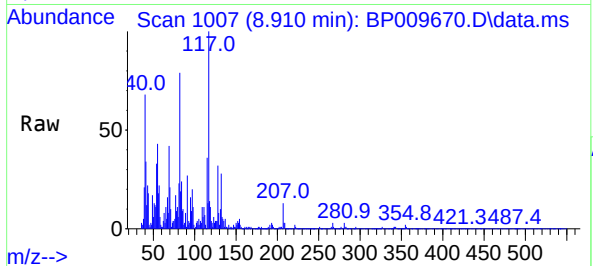
Tgt Ion:136 Resp: 1162801
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 6.9 5.8 8.8
68 6.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 0.824 ng m
RT: 8.910 min Scan# 1015
Delta R.T. 0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

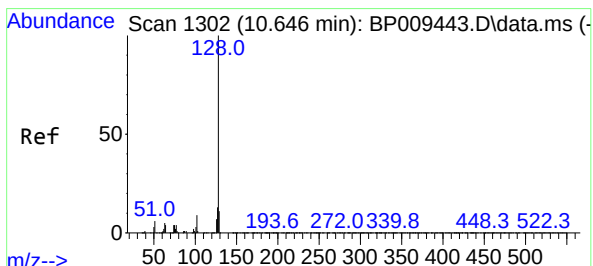
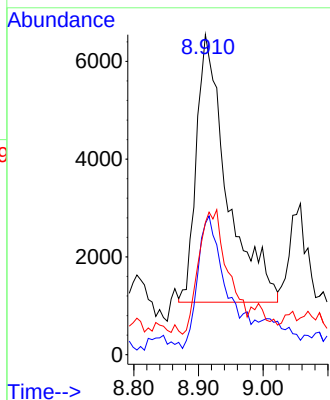
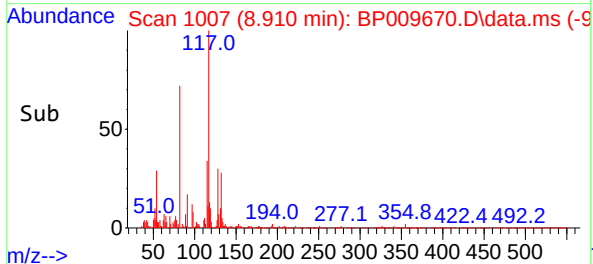
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL



Tgt Ion: 82 Resp: 1802
Ion Ratio Lower Upper
82 100
128 41.0 34.2 51.4
54 41.3 34.7 52.1

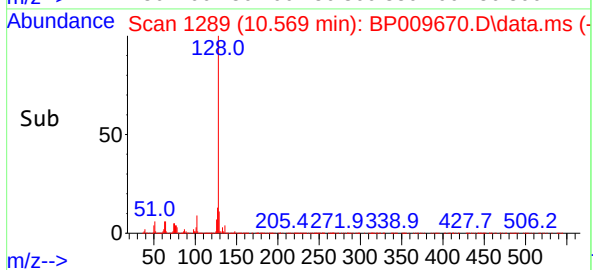
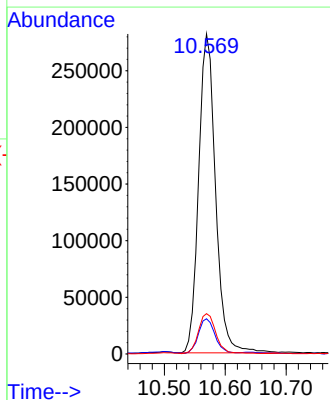
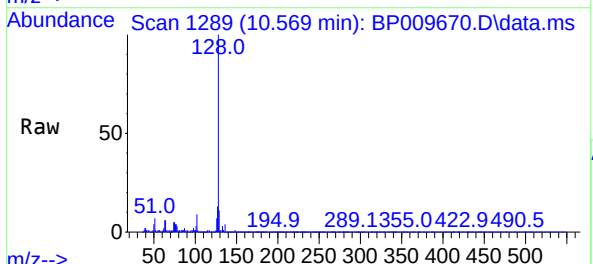
Manual Integrations
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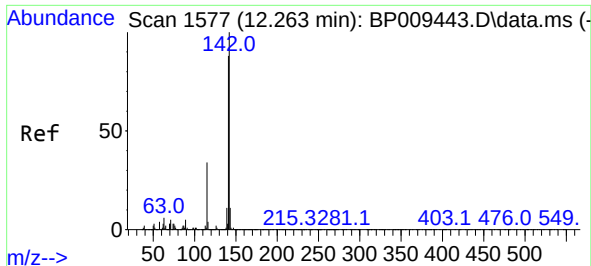
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#31
Naphthalene
Concen: 9.073 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:128 Resp: 543442
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.6 10.5 15.7





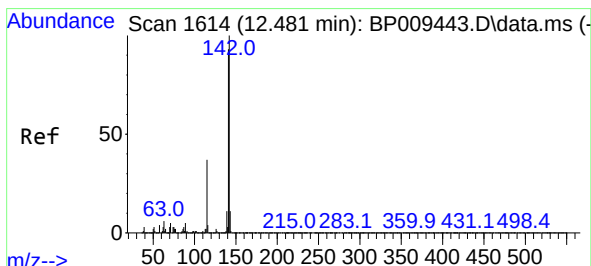
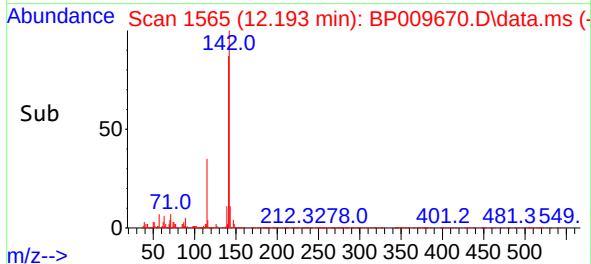
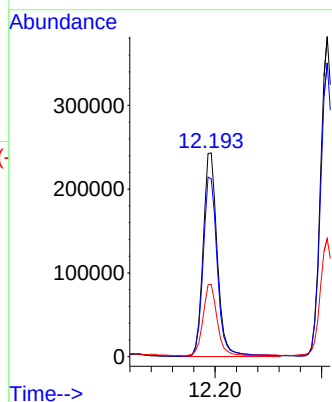
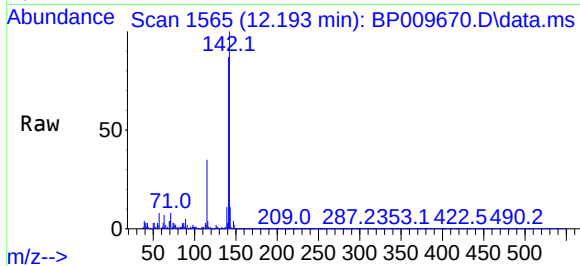
#37
2-Methylnaphthalene
Concen: 10.650 ng
RT: 12.193 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

Tgt Ion:142 Resp: 44758
Ion Ratio Lower Upper
142 100
141 87.4 70.2 105.4
115 35.5 27.4 41.2

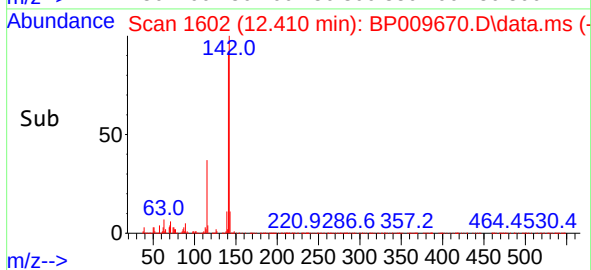
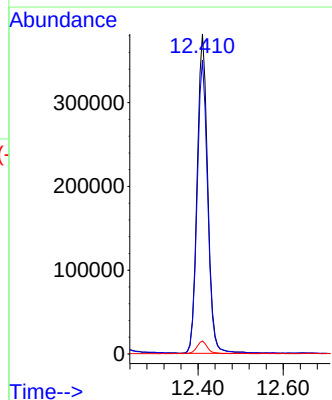
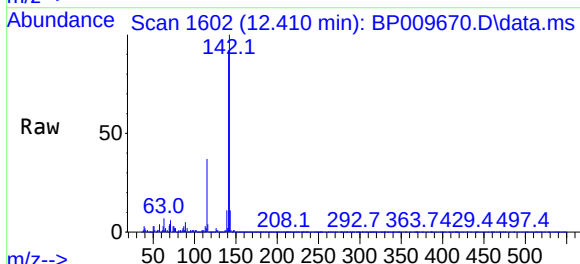
Manual Integrations
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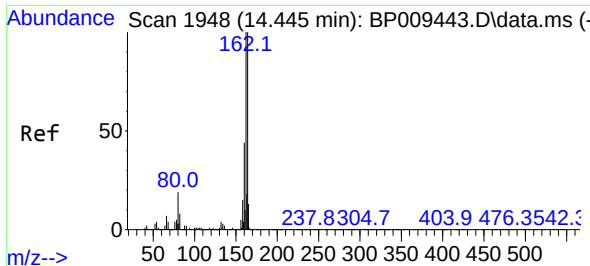
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#38
1-Methylnaphthalene
Concen: 16.053 ng
RT: 12.410 min Scan# 1602
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

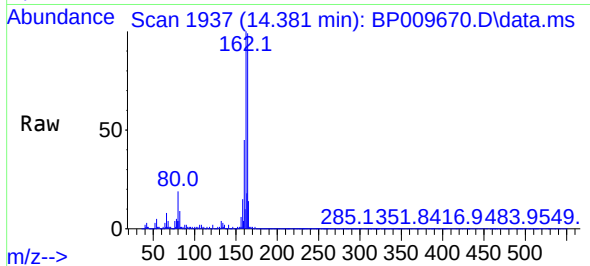
Tgt Ion:142 Resp: 657208
Ion Ratio Lower Upper
142 100
141 91.8 73.5 110.3
116 4.0 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

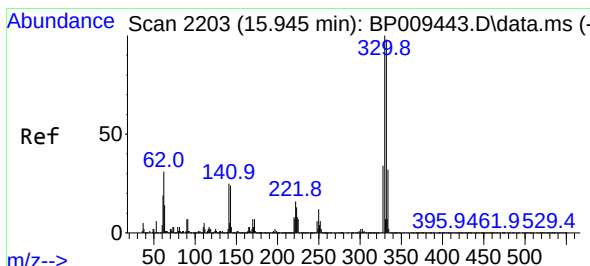
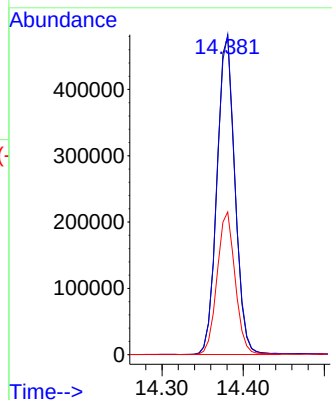
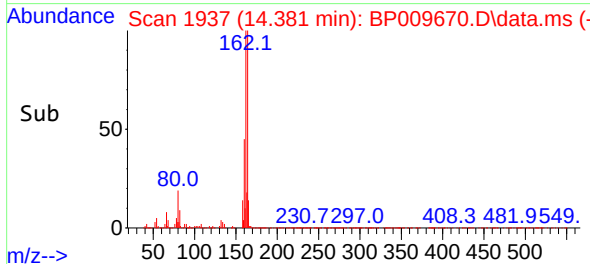
Instrument : BNA_P
ClientSampleId : 20220339-AMENDED-COMP-CS-1DL



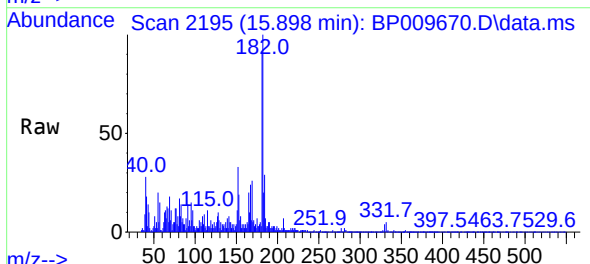
Tgt Ion:164 Resp: 73880
Ion Ratio Lower Upper
164 100
162 100.5 79.1 118.7
160 44.8 34.9 52.3

Manual Integrations
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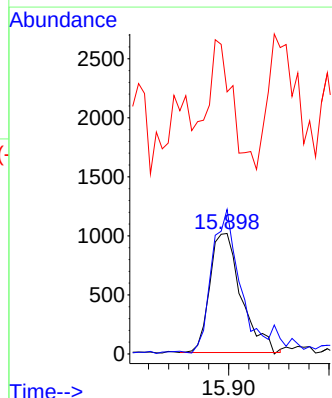
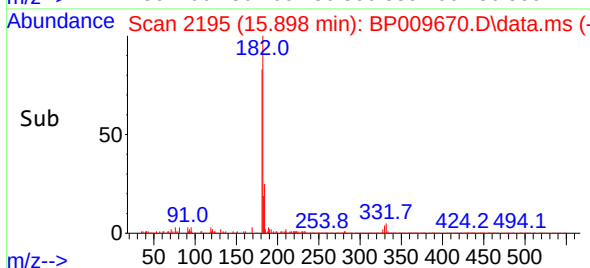
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

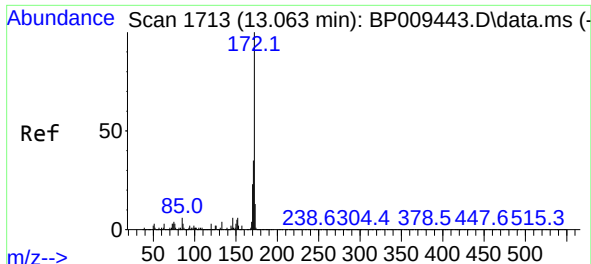


#42
2,4,6-Tribromophenol
Concen: 0.180 ng
RT: 15.898 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00



Tgt Ion:330 Resp: 2199
Ion Ratio Lower Upper
330 100
332 106.1 77.0 115.6
141 79.1 27.6 41.4#





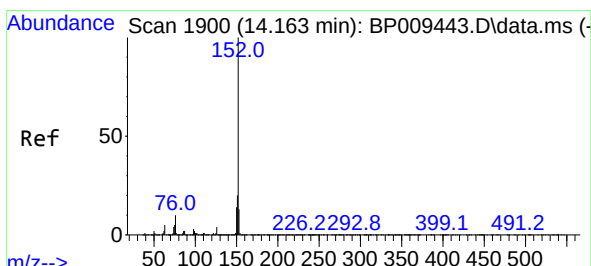
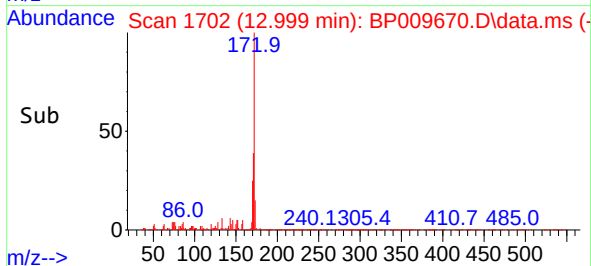
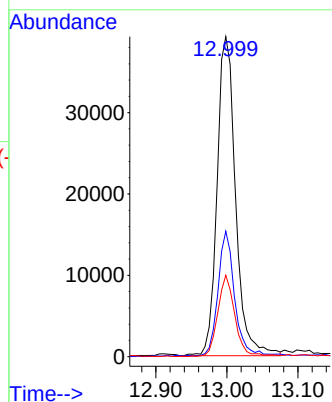
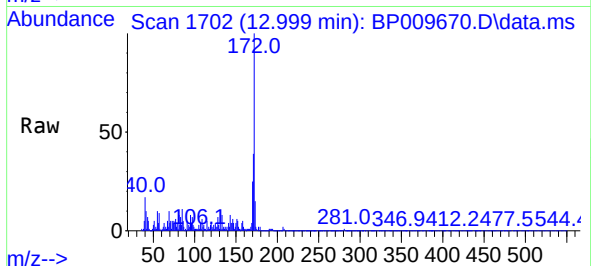
#45
2-Fluorobiphenyl
Concen: 1.329 ng
RT: 12.999 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL

Tgt Ion:172 Resp: 7082
Ion Ratio Lower Upper
172 100
171 39.2 28.0 42.0
170 25.4 18.6 27.8

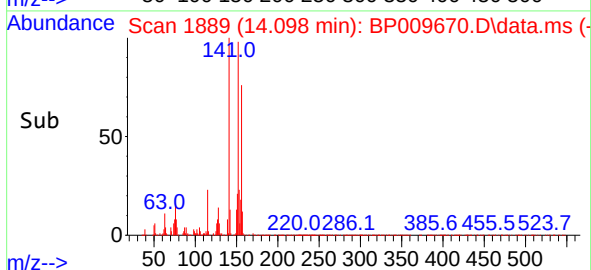
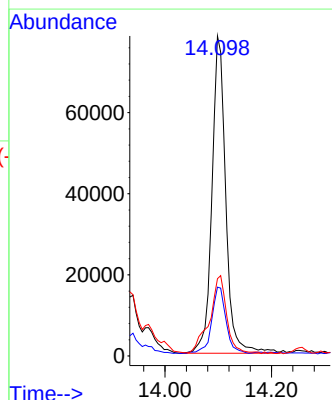
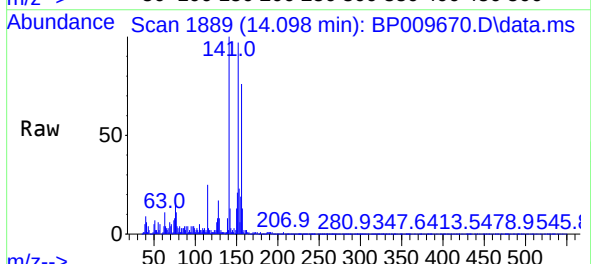
Manual Integrations
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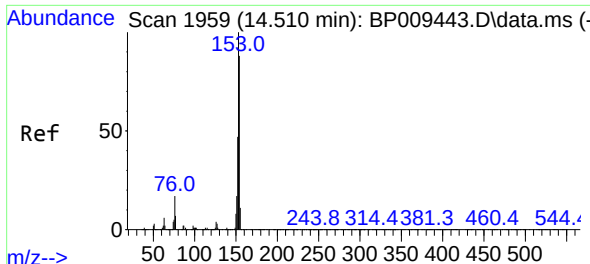
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#49
Acenaphthylene
Concen: 2.112 ng
RT: 14.098 min Scan# 1889
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

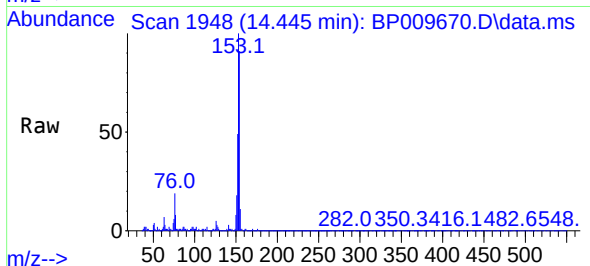
Tgt Ion:152 Resp: 141449
Ion Ratio Lower Upper
152 100
151 21.5 15.9 23.9
153 24.1 10.7 16.1





#52
Acenaphthene
Concen: 10.613 ng
RT: 14.445 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

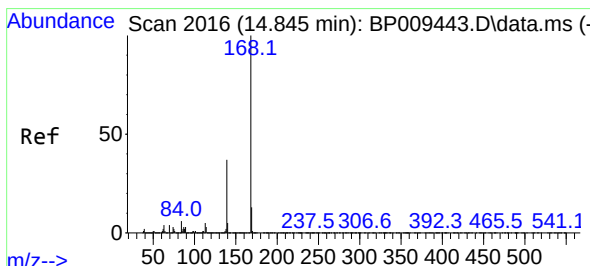
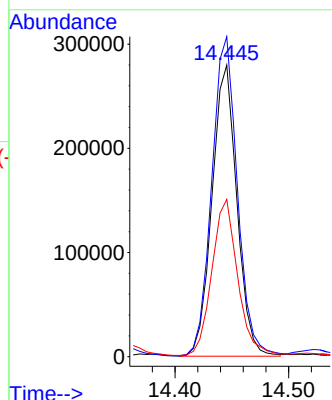
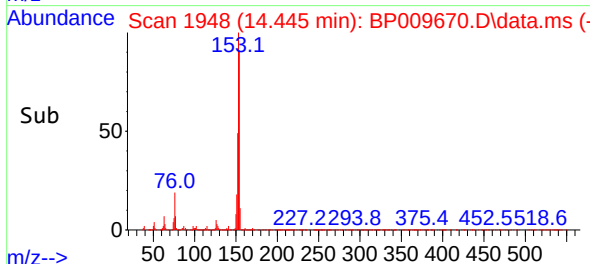
Instrument : BNA_P
ClientSampleId : 20220339-AMENDED-COMP-CS-1DL



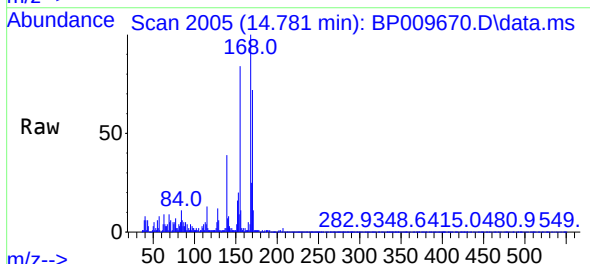
Tgt Ion:154 Resp: 42466
Ion Ratio Lower Upper
154 100
153 109.7 90.2 135.4
152 54.0 42.7 64.1

Manual Integrations
APPROVED

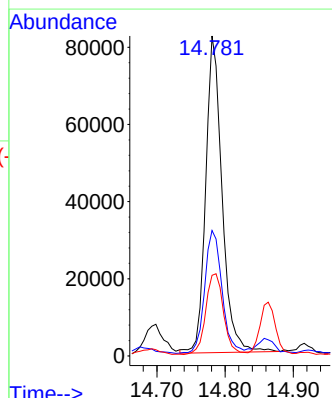
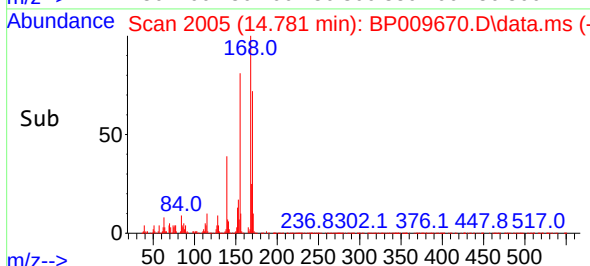
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

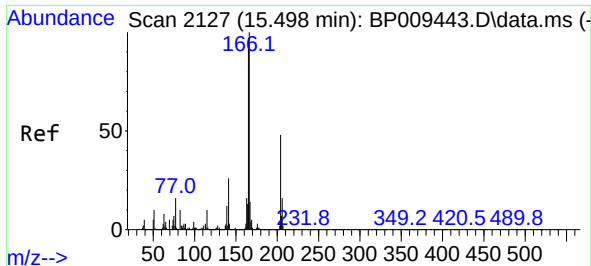


#55
Dibenzofuran
Concen: 2.042 ng
RT: 14.781 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00



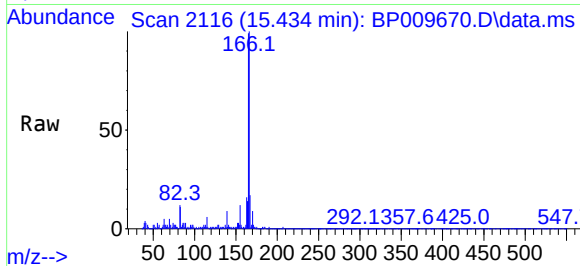
Tgt Ion:168 Resp: 137285
Ion Ratio Lower Upper
168 100
139 39.2 29.1 43.7
169 25.2 10.6 16.0#





#58
Fluorene
Concen: 5.979 ng
RT: 15.434 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

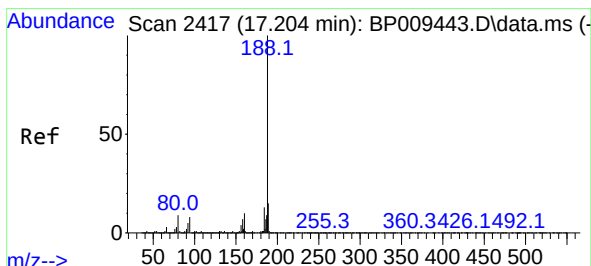
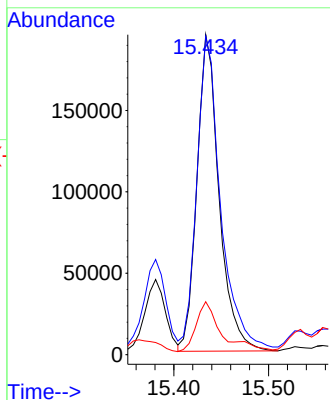
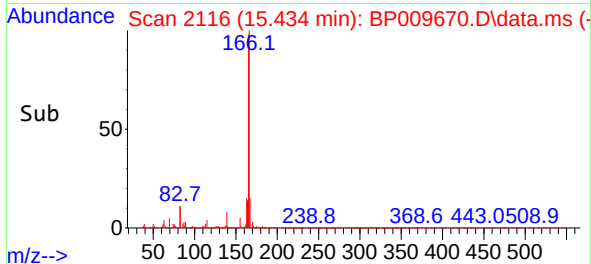
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL



Tgt Ion:166 Resp: 316080
Ion Ratio Lower Upper
166 100
165 99.4 79.2 118.8
167 16.5 10.7 16.1

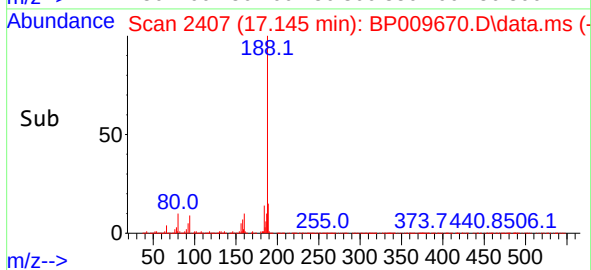
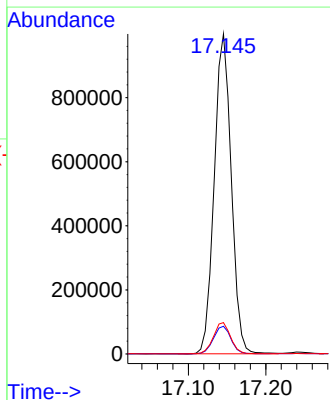
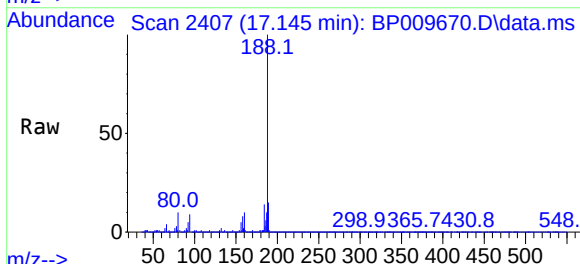
Manual Integrations
APPROVED

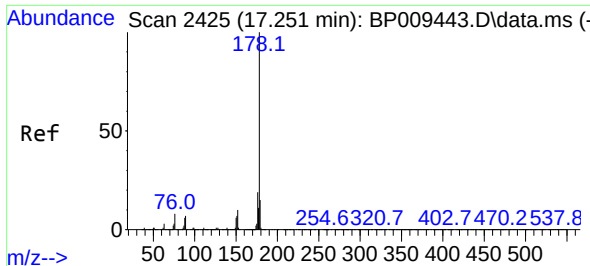
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

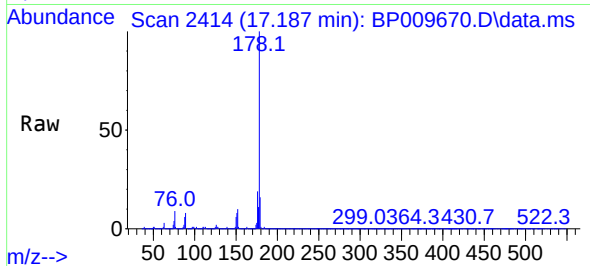
Tgt Ion:188 Resp: 1528274
Ion Ratio Lower Upper
188 100
94 8.7 7.9 11.9
80 9.8 8.8 13.2





#71
Phenanthrene
Concen: 31.661 ng
RT: 17.187 min Scan# 2425
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

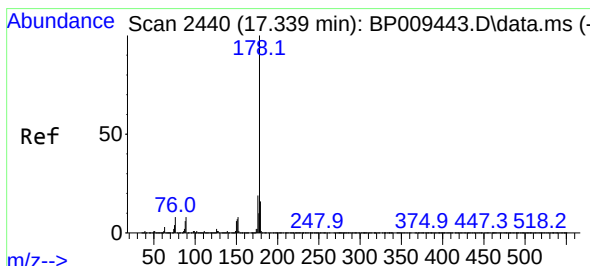
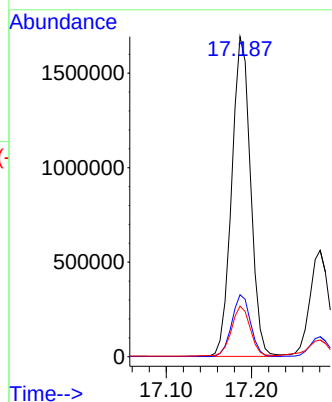
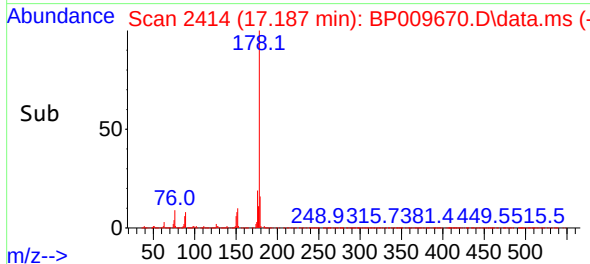
Instrument : BNA_P
ClientSampleId : 20220339-AMENDED-COMP-CS-1DL



Tgt Ion:178 Resp: 2590178
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.3 18.5

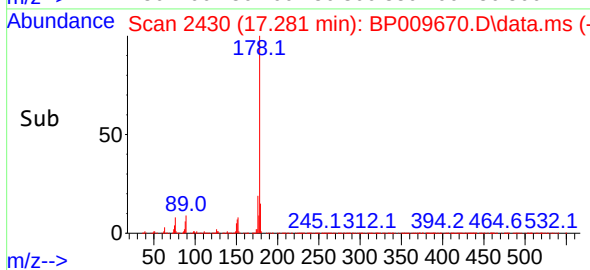
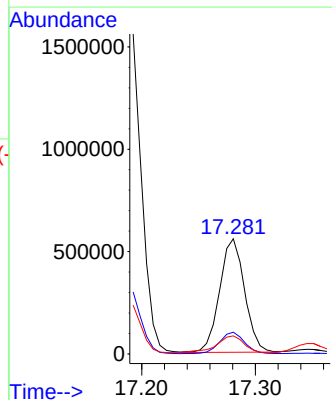
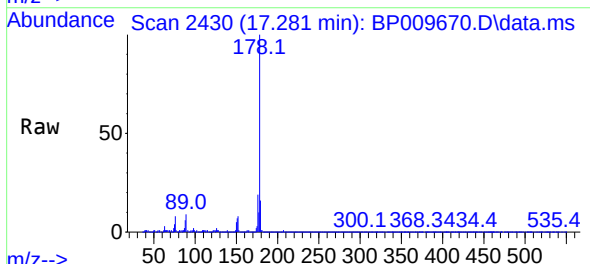
Manual Integrations
APPROVED

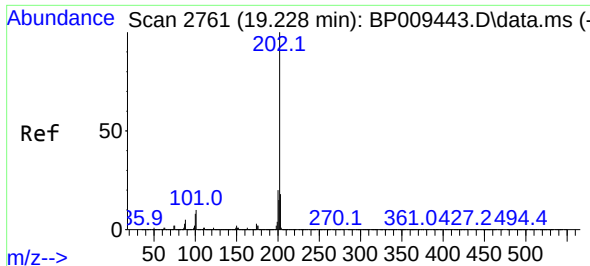
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#72
Anthracene
Concen: 10.480 ng
RT: 17.281 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

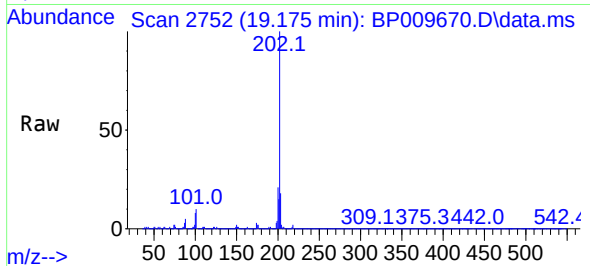
Tgt Ion:178 Resp: 846482
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.7 12.2 18.4





#75
Fluoranthene
Concen: 24.531 ng
RT: 19.175 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

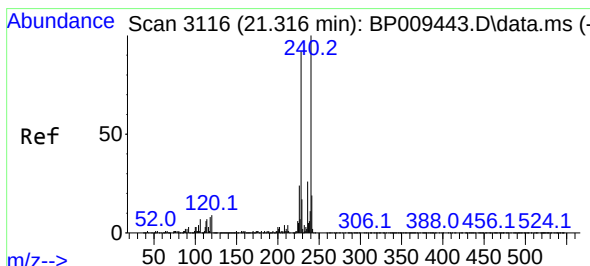
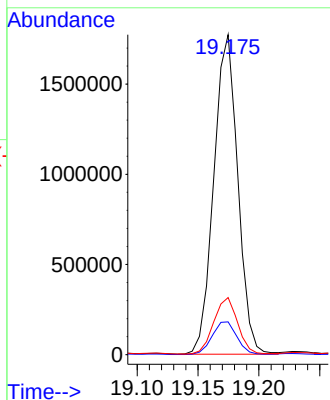
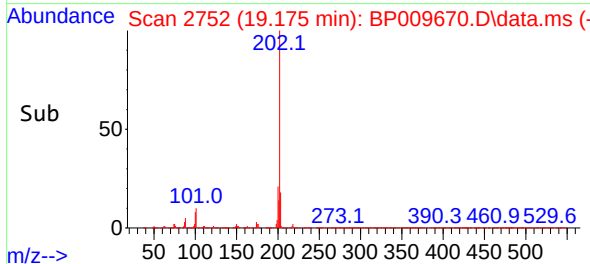
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL



Tgt Ion:202 Resp: 242956
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.5
203 17.9 0.0 37.8

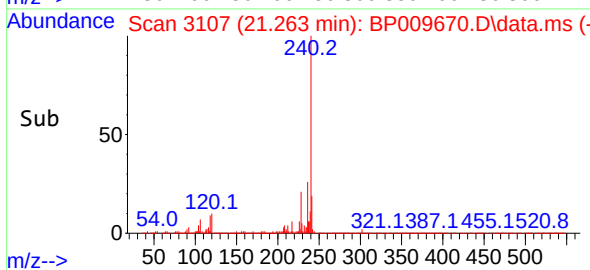
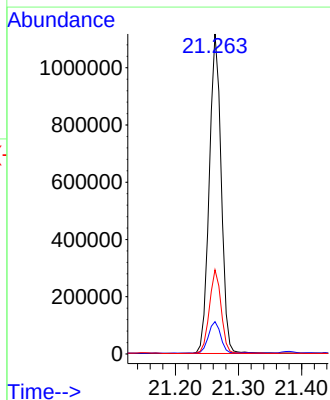
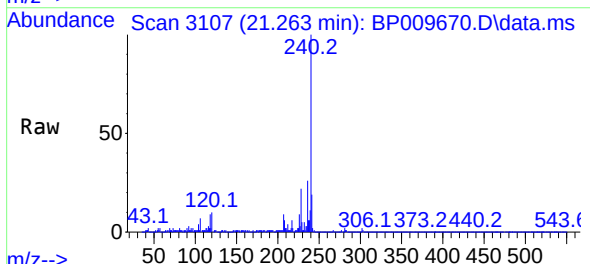
Manual Integrations
APPROVED

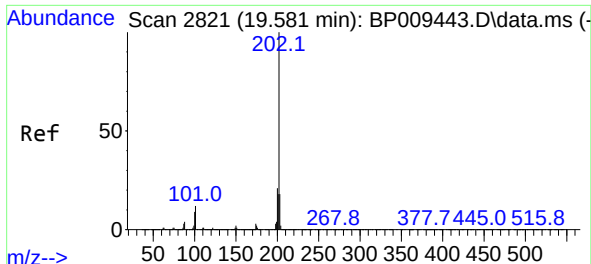
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.263 min Scan# 3107
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

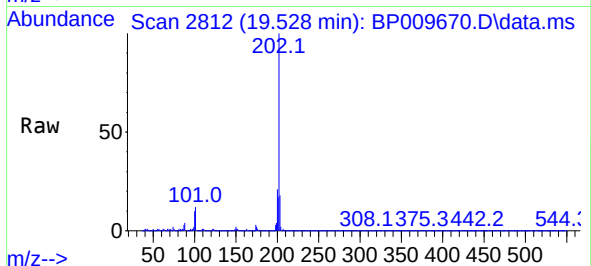
Tgt Ion:240 Resp: 1460008
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 26.3 20.6 30.8





#78
Pyrene
Concen: 24.718 ng
RT: 19.528 min Scan# 2812
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

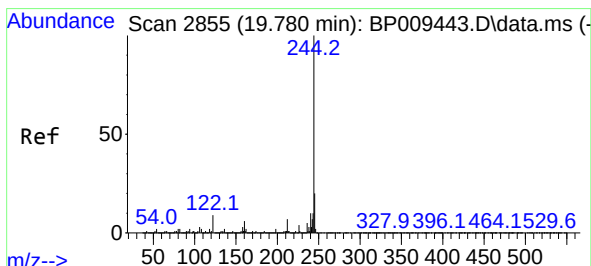
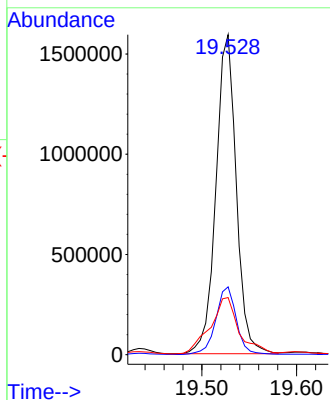
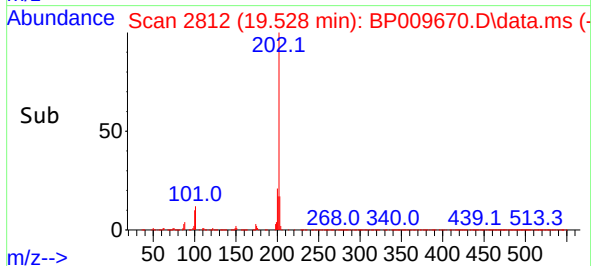
Instrument : BNA_P
ClientSampleId : 20220339-AMENDED-COMP-CS-1DL



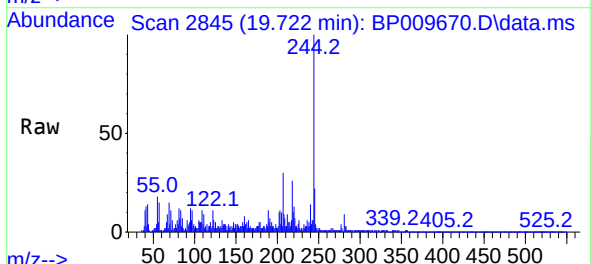
Tgt Ion: 202 Resp: 2378119
Ion Ratio Lower Upper
202 100
200 21.2 16.8 25.2
203 17.9 14.2 21.4

Manual Integrations
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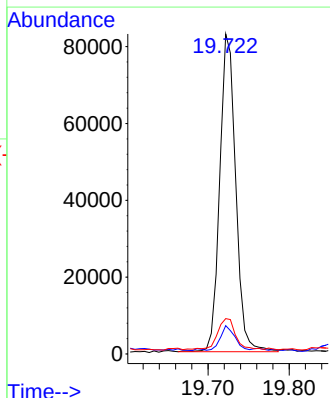
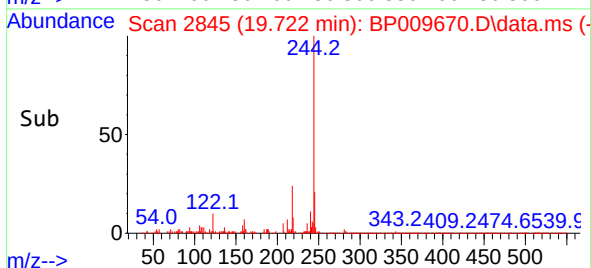
Reviewed By : Christian Giraldo 04/04/2022
Supervised By : Jagrut Upadhyay 04/04/2022

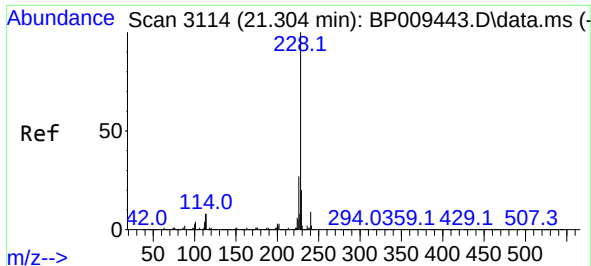


#79
Terphenyl-d14
Concen: 1.394 ng
RT: 19.722 min Scan# 2845
Delta R.T. -0.017 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00



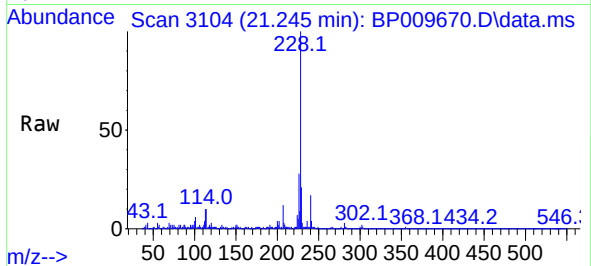
Tgt Ion: 244 Resp: 113380
Ion Ratio Lower Upper
244 100
212 8.8 5.8 8.6#
122 11.0 8.3 12.5





#81
Benzo(a)anthracene
Concen: 12.575 ng
RT: 21.245 min Scan# 3114
Delta R.T. -0.018 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

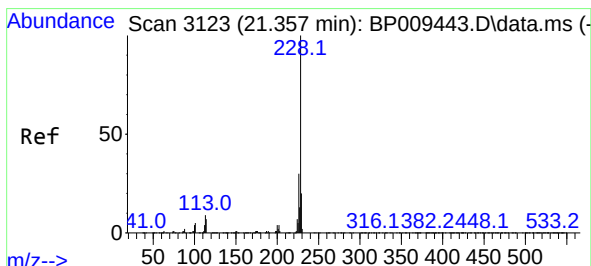
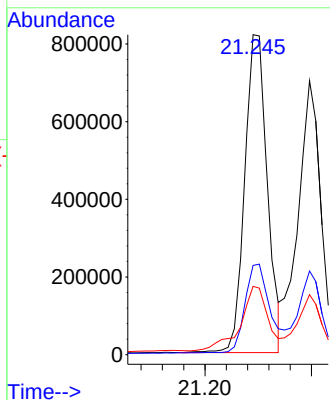
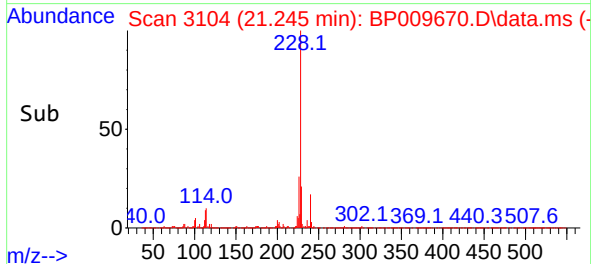
Instrument : BNA_P
ClientSampleId : 20220339-AMENDED-COMP-CS-1DL



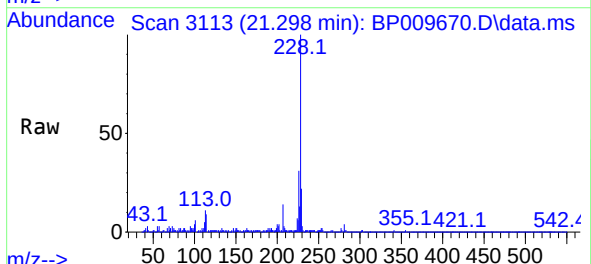
Tgt Ion:228 Resp: 1206225
Ion Ratio Lower Upper
228 100
226 27.9 22.0 33.0
229 21.3 16.1 24.1

Manual Integrations
APPROVED

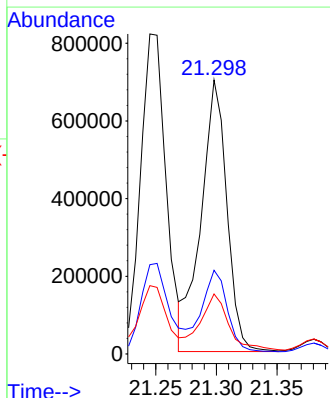
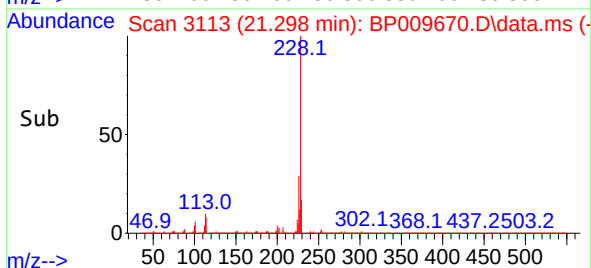
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022

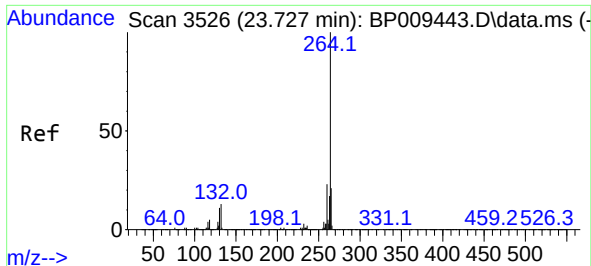


#83
Chrysene
Concen: 11.441 ng m
RT: 21.298 min Scan# 3113
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00



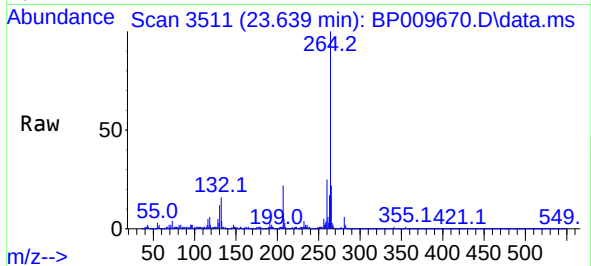
Tgt Ion:228 Resp: 1039164
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 21.9 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.639 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

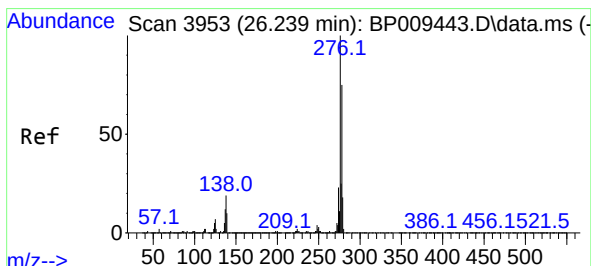
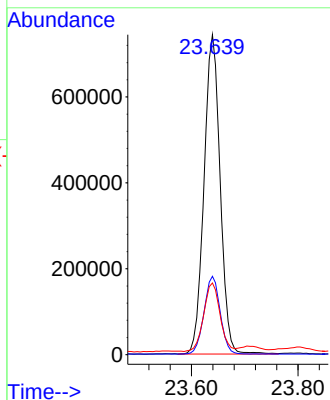
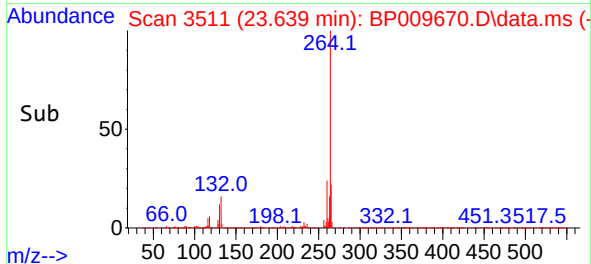
Instrument :
BNA_P
ClientSampleId :
20220339-AMENDED-COMP-CS-1DL



Tgt Ion:264 Resp: 156170
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.0
265 22.4 17.2 25.8

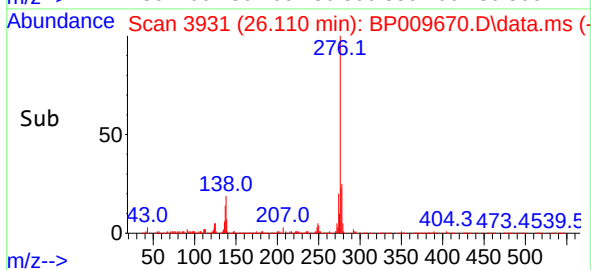
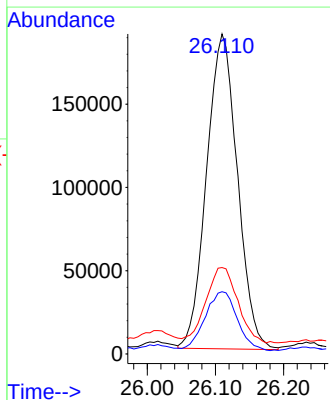
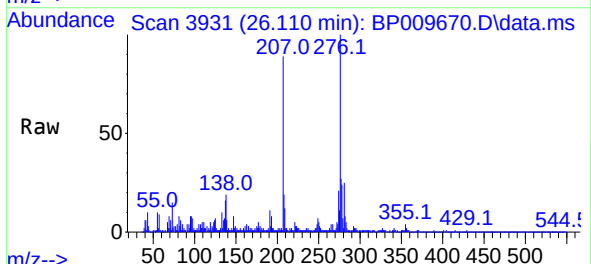
Manual Integrations
APPROVED

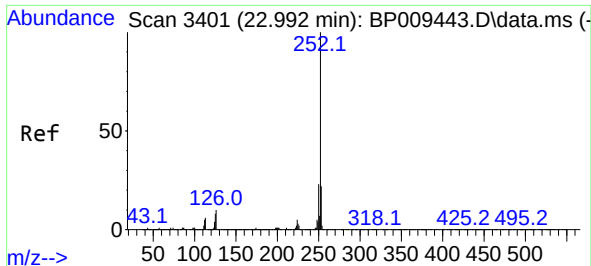
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.032 ng
RT: 26.110 min Scan# 3931
Delta R.T. -0.029 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:276 Resp: 596222
Ion Ratio Lower Upper
276 100
138 19.4 20.5 30.7#
277 24.6 20.4 30.6





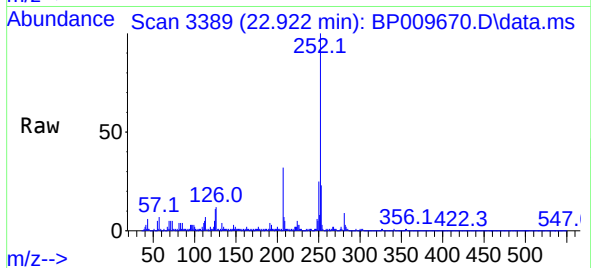
#88
Benzo(b)fluoranthene
Concen: 13.149 ng m
RT: 22.922 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Instrument :

BNA_P

ClientSampleId :

20220339-AMENDED-COMP-CS-1DL

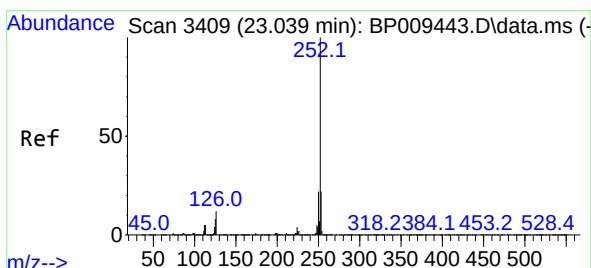
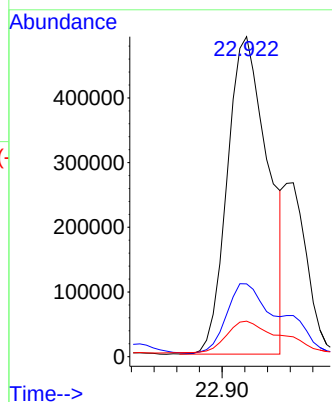
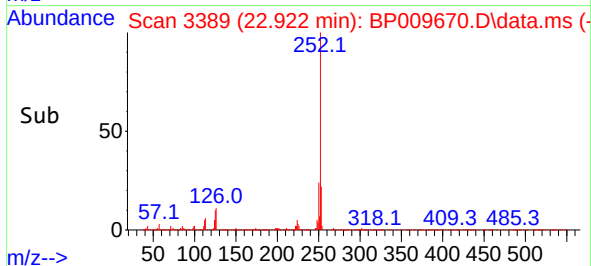


Tgt Ion:252 Resp: 1225894
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 11.1 8.1 12.1

Manual Integrations

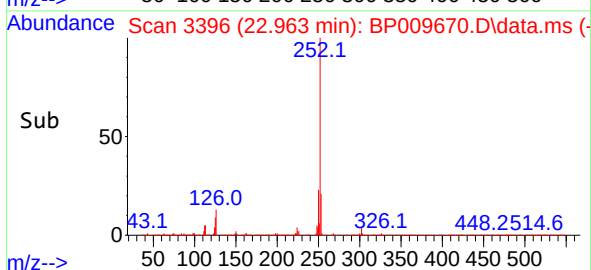
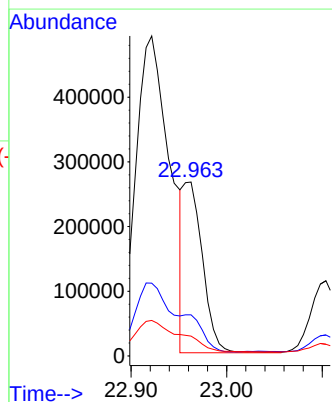
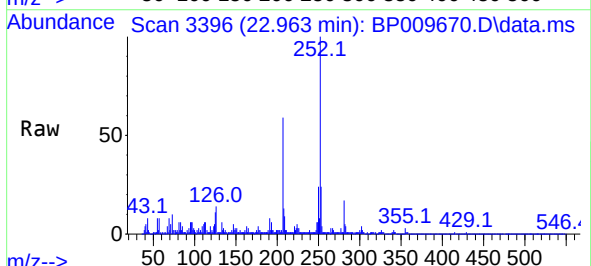
APPROVED

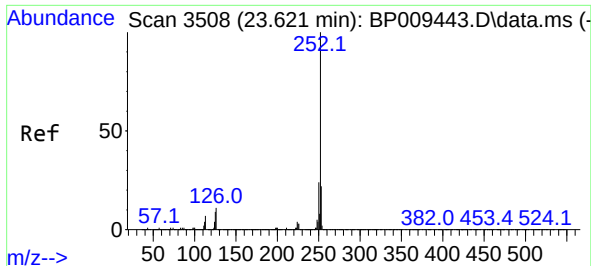
Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#89
Benzo(k)fluoranthene
Concen: 4.038 ng m
RT: 22.963 min Scan# 3396
Delta R.T. -0.017 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

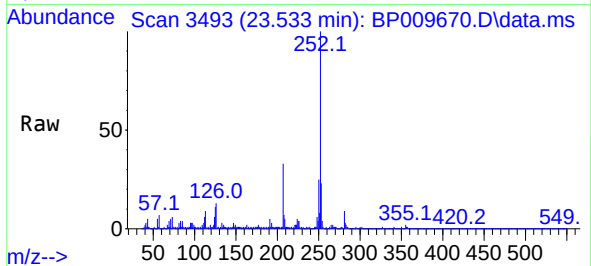
Tgt Ion:252 Resp: 368572
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.4 8.3 12.5





#90
Benzo(a)pyrene
Concen: 12.798 ng
RT: 23.533 min Scan# 34
Delta R.T. -0.018 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

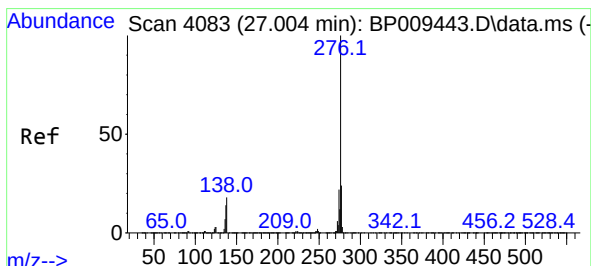
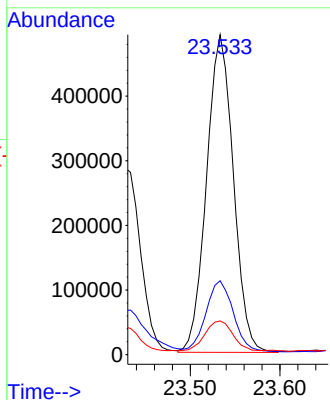
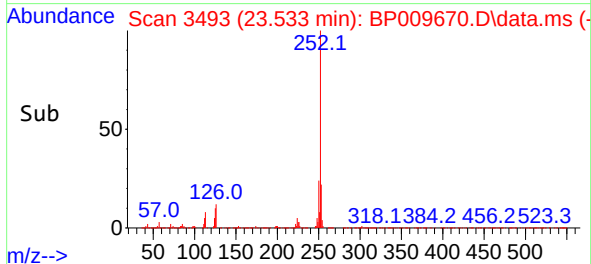
Instrument : BNA_P
ClientSampleId : 20220339-AMENDED-COMP-CS-1DL



Tgt Ion:252 Resp: 102082
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 10.6 9.3 13.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/04/2022
Supervised By :Jagrut Upadhyay 04/04/2022



#92
Benzo(g,h,i)perylene
Concen: 6.022 ng
RT: 26.868 min Scan# 4060
Delta R.T. -0.029 min
Lab File: BP009670.D
Acq: 01 Apr 2022 22:00

Tgt Ion:276 Resp: 585037
Ion Ratio Lower Upper
276 100
277 27.9 19.2 28.8
138 20.2 18.0 27.0

