

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
 Data File : BP009107.D
 Acq On : 10 Feb 2022 19:30
 Operator : CG/JU
 Sample : N1455-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Quant Time: Feb 11 02:26:57 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 02/11/2022
 Supervised By : Jagrut Upadhyay 02/11/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	221769	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	837974	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	524065	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	1102999	20.000	ng	0.00
76) Chrysene-d12	21.304	240	1136935	20.000	ng	0.00
86) Perylene-d12	23.704	264	1237531	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	1470825	118.306	ng	0.00
7) Phenol-d6	6.999	99	1878729	114.685	ng	0.01
23) Nitrobenzene-d5	8.963	82	1164209	78.349	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	932471	133.263	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	2700643	72.140	ng	0.00
79) Terphenyl-d14	19.769	244	4076840	64.485	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.022	94	38323	2.327	ng	# 54
37) 2-Methylnaphthalene	12.269	142	120200	3.974	ng	# 92
38) 1-Methylnaphthalene	12.481	142	132733	4.491	ng	# 99
52) Acenaphthene	14.510	154	117287	4.179	ng	93
55) Dibenzofuran	14.851	168	149113m	3.154	ng	
58) Fluorene	15.498	166	215580	5.934	ng	# 89
71) Phenanthrene	17.251	178	1664947	27.877	ng	98
72) Anthracene	17.339	178	354215m	6.062	ng	
73) Carbazole	17.622	167	112329	2.006	ng	# 62
75) Fluoranthene	19.222	202	2358750	35.238	ng	96
78) Pyrene	19.575	202	2191569	27.097	ng	98
81) Benzo(a)anthracene	21.286	228	1069638	14.599	ng	97
83) Chrysene	21.339	228	956773	13.546	ng	97
87) Indeno(1,2,3-cd)pyrene	26.204	276	820276	8.921	ng	# 94
88) Benzo(b)fluoranthene	22.974	252	1477004m	19.387	ng	
89) Benzo(k)fluoranthene	23.010	252	436003m	5.736	ng	
90) Benzo(a)pyrene	23.598	252	1111359	17.497	ng	97
91) Dibenzo(a,h)anthracene	26.204	278	189396	2.506	ng	# 87
92) Benzo(g,h,i)perylene	26.980	276	829483	11.025	ng	96

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

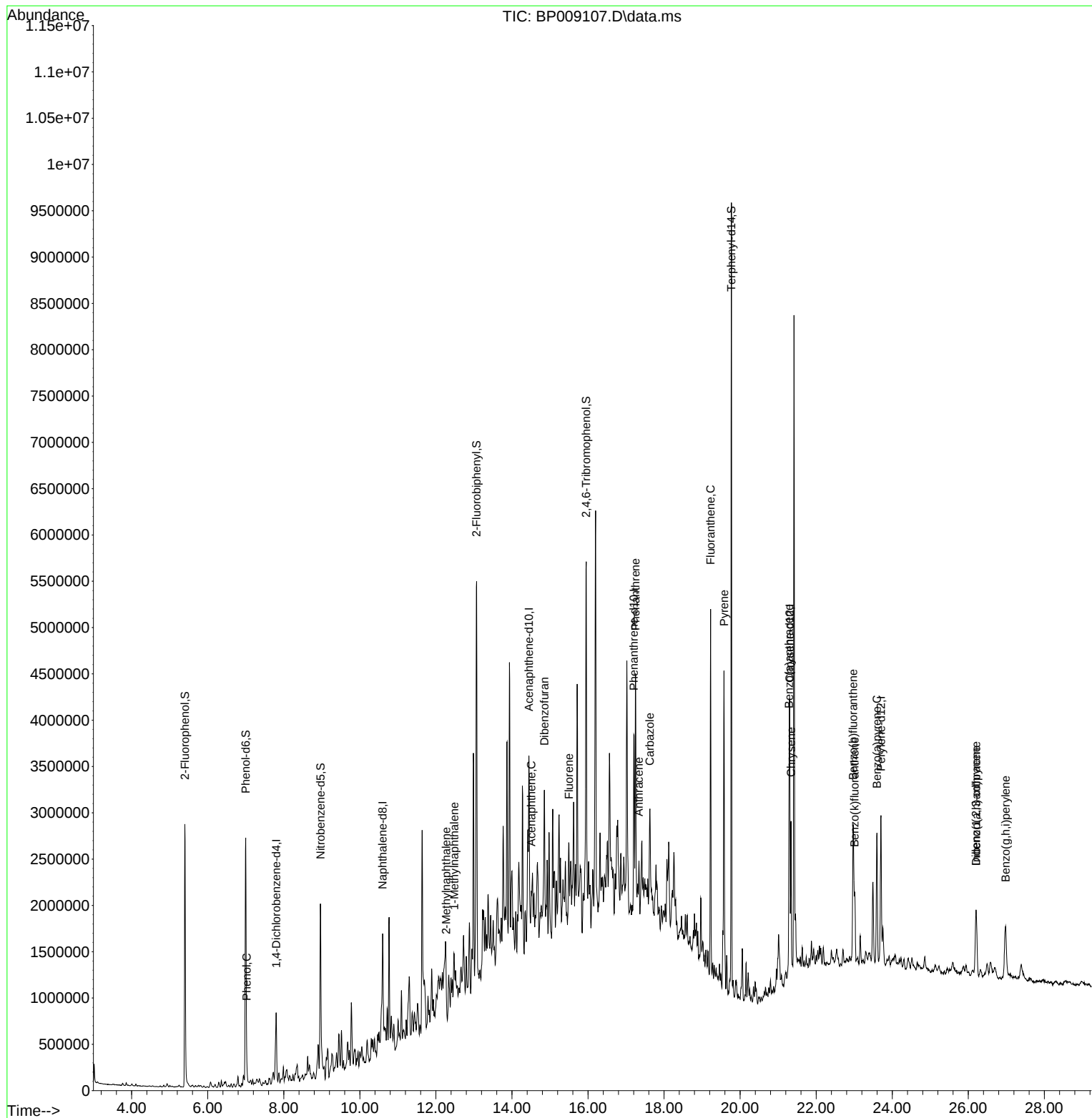
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021022\
Data File : BP009107.D
Acq On : 10 Feb 2022 19:30
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Misc :
ALS Vial : 17 Sample Multiplier: 1

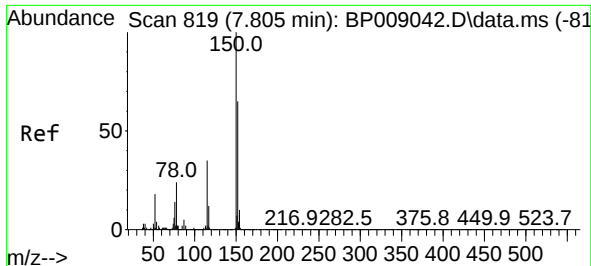
Instrument :
BNA_P
ClientSampleId :
TP-3

Quant Time: Feb 11 02:26:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 07 15:13:17 2022
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Manual Integrations
APPROVED

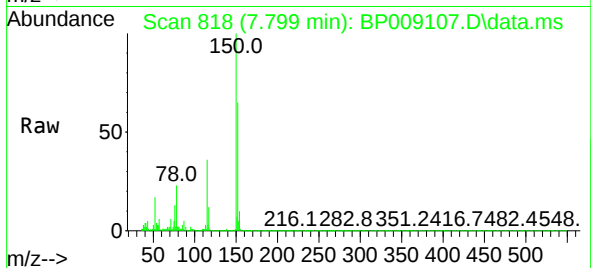
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.799 min Scan# 819
Delta R.T. -0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

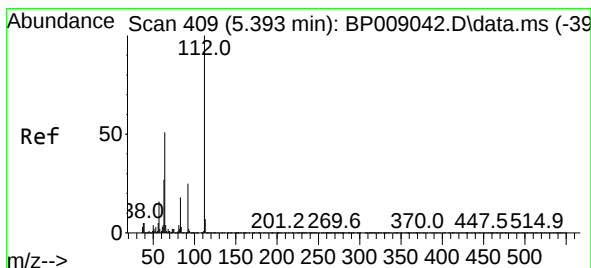
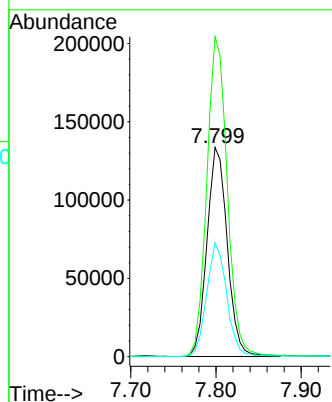
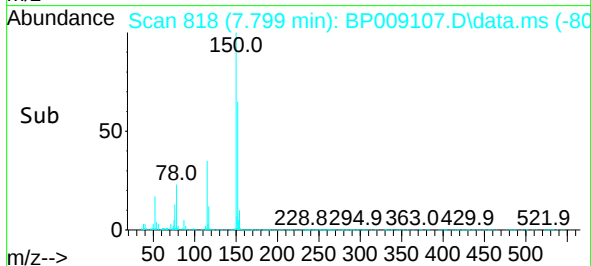
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BNA_P
ClientSampleId :
TP-3



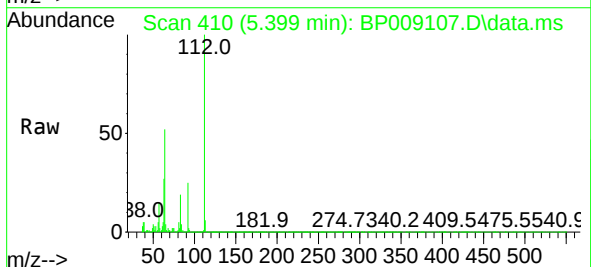
Tgt Ion:152 Resp: 221769
Ion Ratio Lower Upper
152 100
150 152.9 127.0 190.6
115 54.5 43.7 65.5

Manual Integrations
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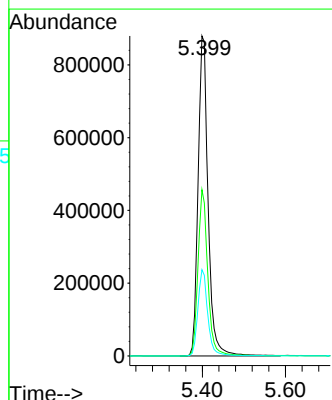
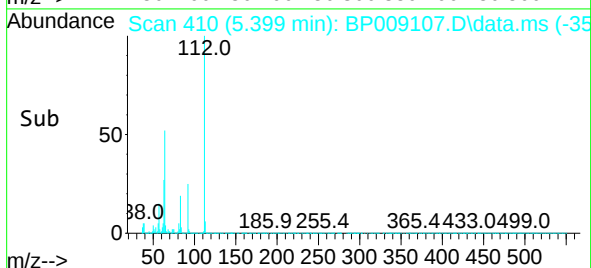
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022

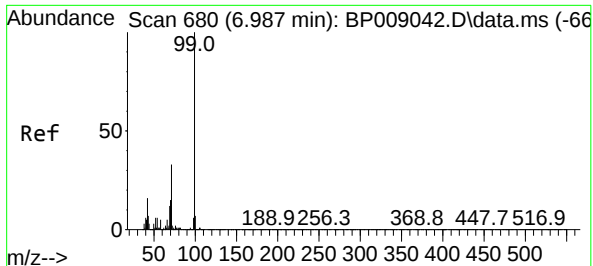


#5
2-Fluorophenol
Concen: 118.306 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



Tgt Ion:112 Resp: 1470825
Ion Ratio Lower Upper
112 100
64 51.9 39.7 59.5
63 27.0 20.0 30.0





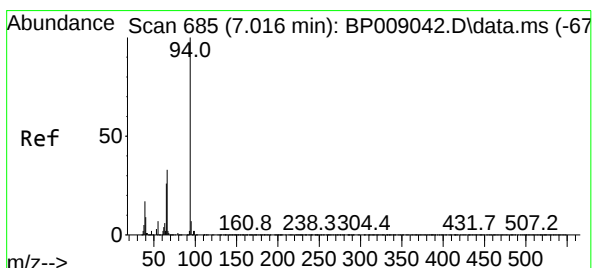
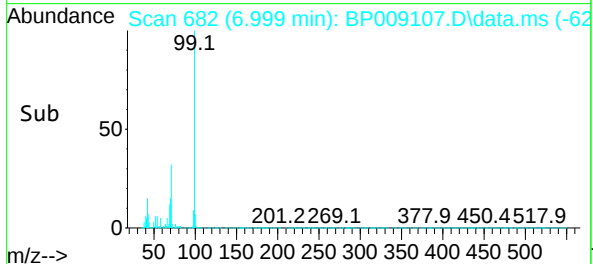
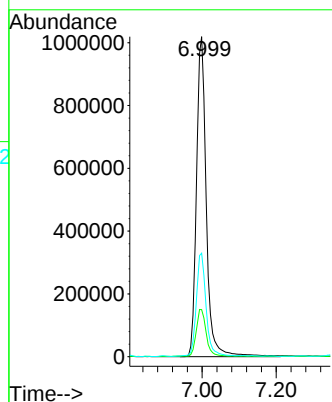
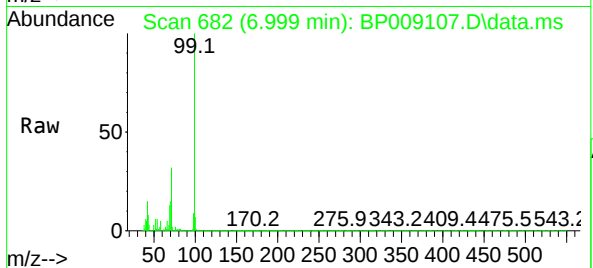
#7
Phenol-d6
Concen: 114.685 ng
RT: 6.999 min Scan# 681
Delta R.T. 0.012 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion: 99 Resp: 1878729
Ion Ratio Lower Upper
99 100
42 14.7 10.8 16.2
71 32.4 23.8 35.6

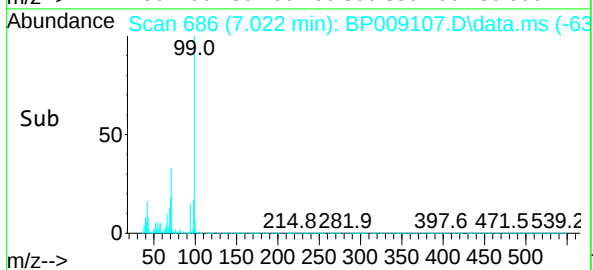
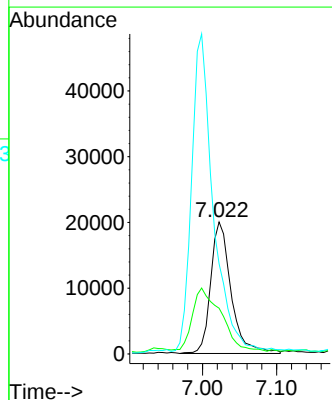
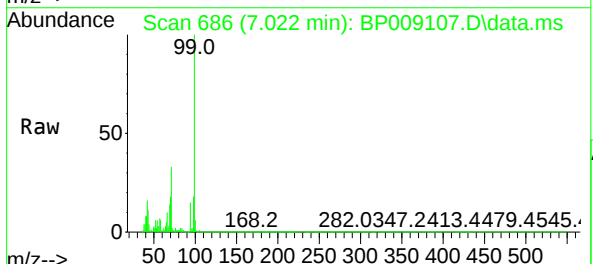
Manual Integrations
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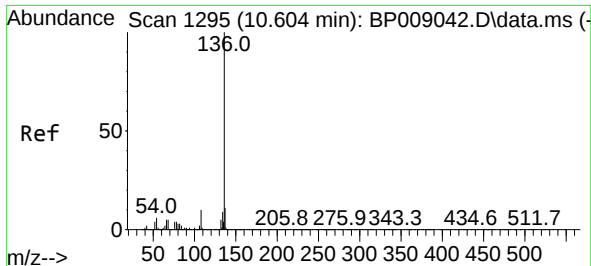
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#10
Phenol
Concen: 2.327 ng
RT: 7.022 min Scan# 686
Delta R.T. 0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

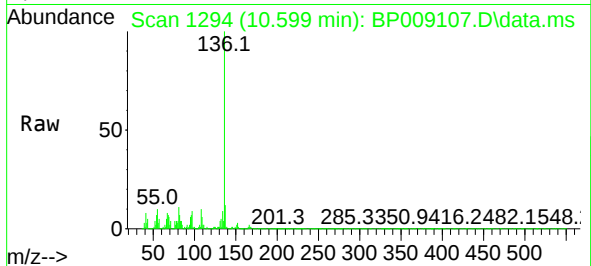
Tgt Ion: 94 Resp: 38323
Ion Ratio Lower Upper
94 100
65 34.7 4.1 44.1
66 68.4 12.4 52.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1016
Delta R.T. -0.005 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

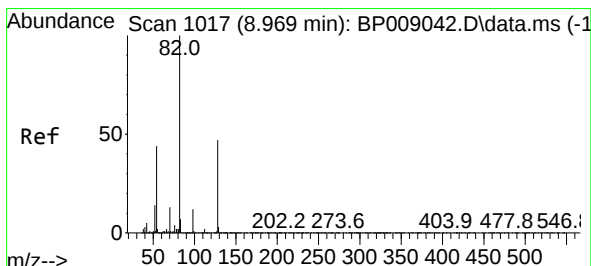
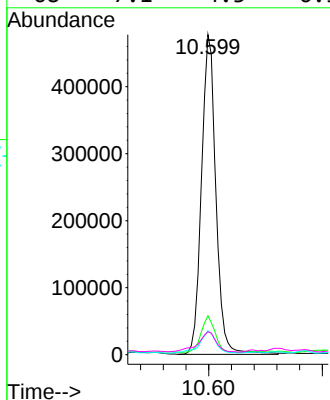
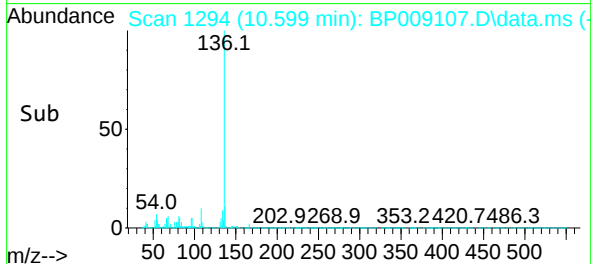
Instrument :
BNA_P
ClientSampleId :
TP-3



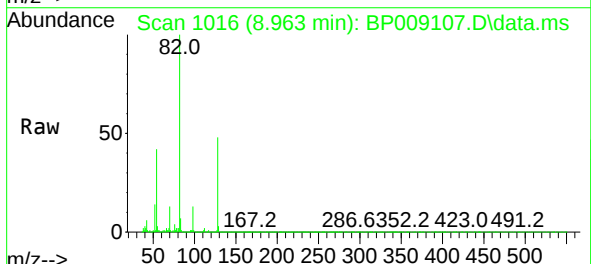
Tgt Ion: 136 Resp: 837974
Ion Ratio Lower Upper
136 100
137 12.1 9.0 13.4
54 7.5 4.9 7.3
68 7.1 4.3 6.5#

Manual Integrations
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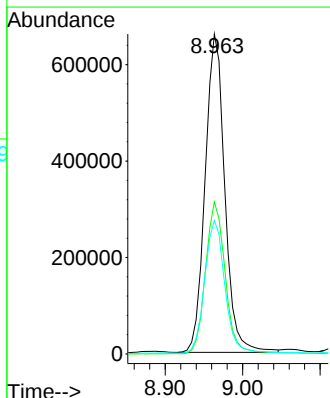
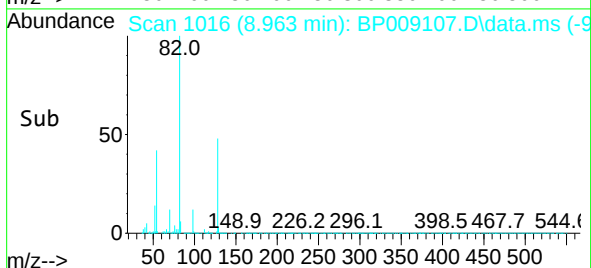
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022

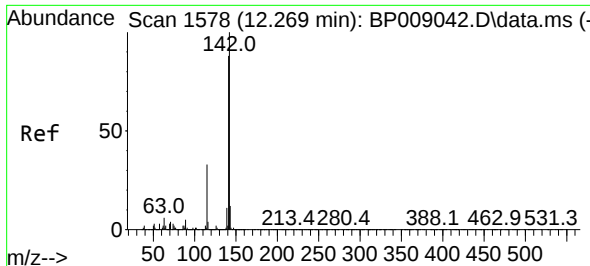


#23
Nitrobenzene-d5
Concen: 78.349 ng
RT: 8.963 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



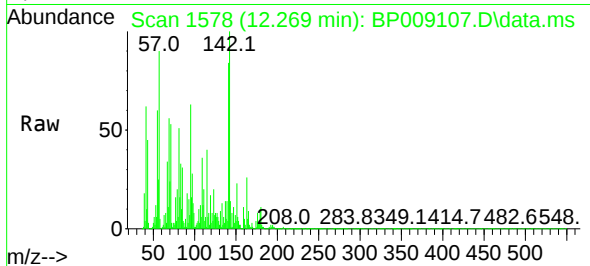
Tgt Ion: 82 Resp: 1164209
Ion Ratio Lower Upper
82 100
128 47.6 39.4 59.2
54 41.7 32.6 48.8





#37
2-Methylnaphthalene
Concen: 3.974 ng
RT: 12.269 min Scan# 1578
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

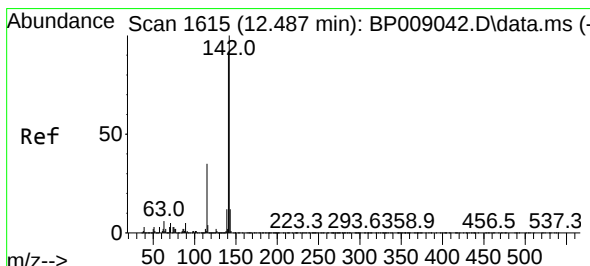
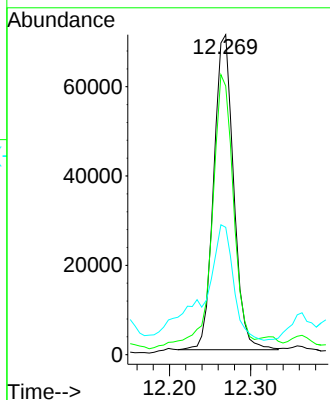
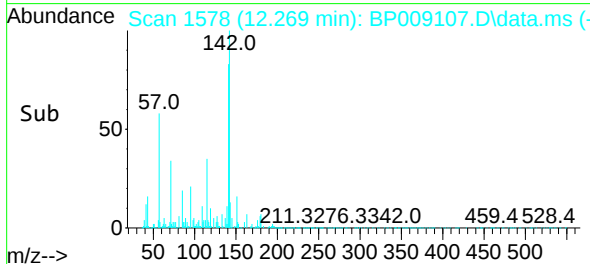
Instrument :
BNA_P
ClientSampleId :
TP-3



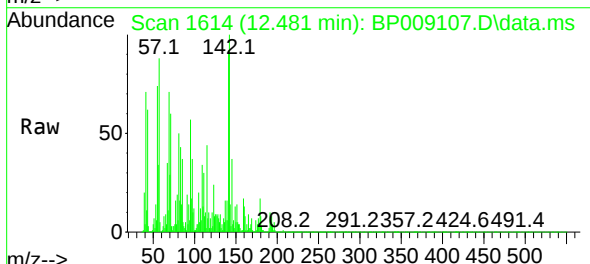
Tgt Ion:142 Resp: 120200
Ion Ratio Lower Upper
142 100
141 83.9 70.5 105.7
115 39.8 24.6 36.8

Manual Integrations
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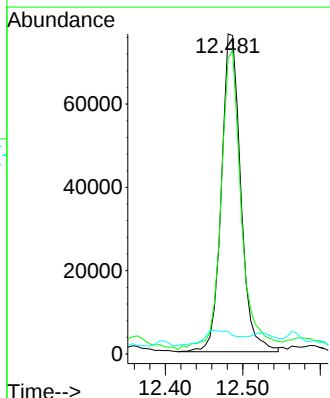
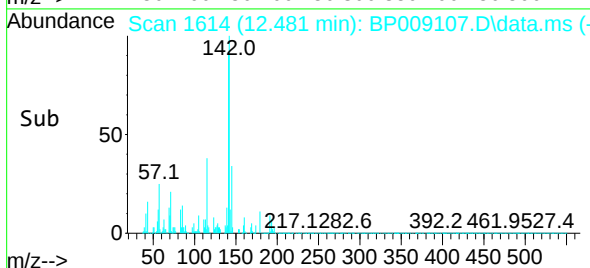
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022

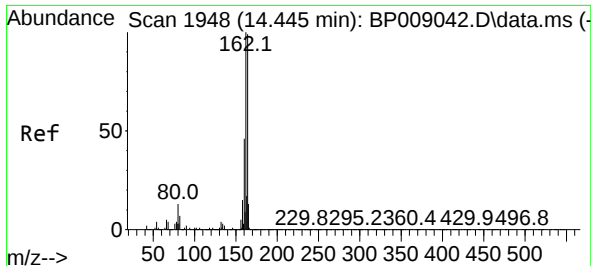


#38
1-Methylnaphthalene
Concen: 4.491 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



Tgt Ion:142 Resp: 132733
Ion Ratio Lower Upper
142 100
141 92.4 73.2 109.8
116 7.0 2.7 4.1





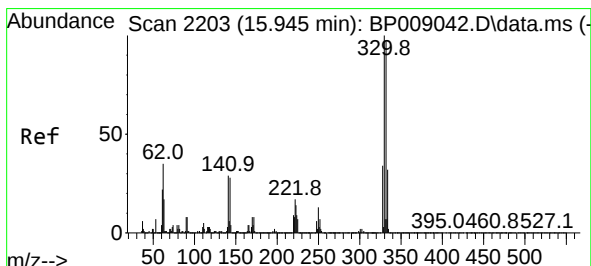
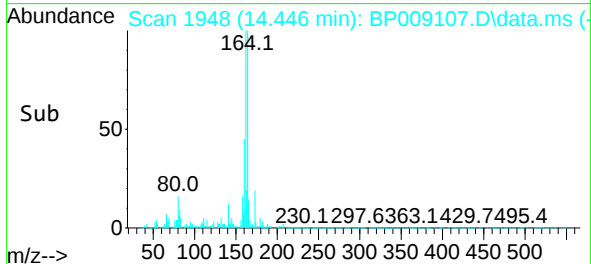
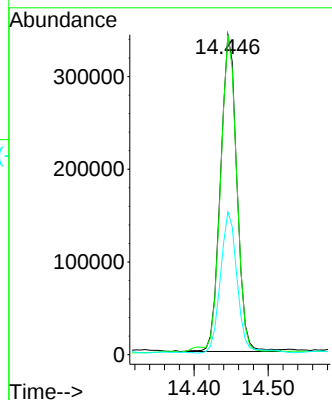
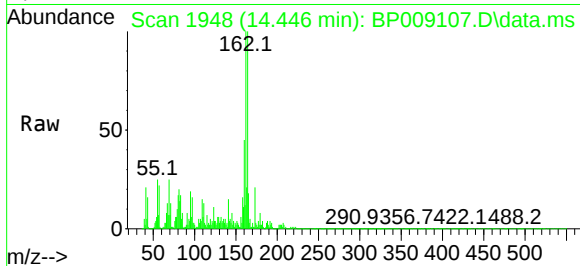
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Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1948
Delta R.T. 0.001 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion:164 Resp: 52406
Ion Ratio Lower Upper
164 100
162 100.0 79.9 119.9
160 44.6 35.5 53.3

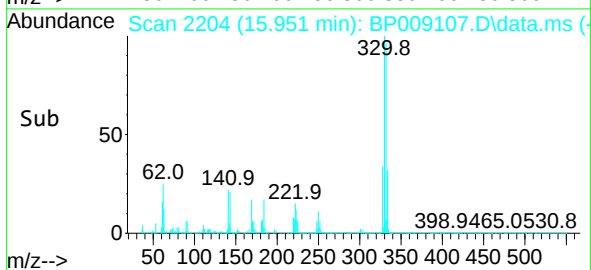
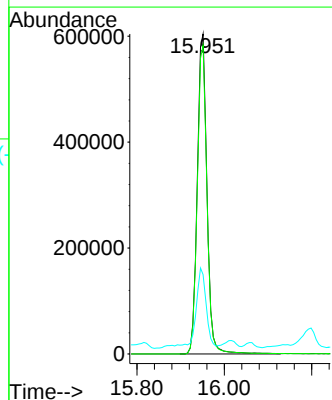
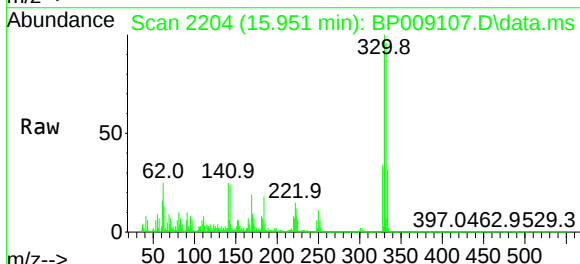
Manual Integrations
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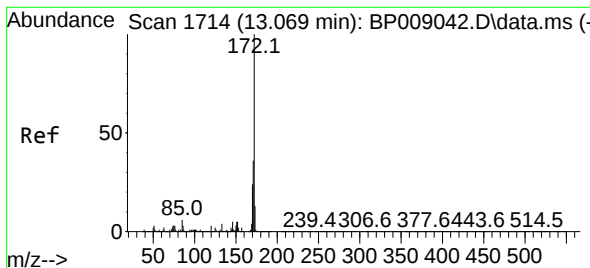
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#42
2,4,6-Tribromophenol
Concen: 133.263 ng
RT: 15.951 min Scan# 2204
Delta R.T. 0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

Tgt Ion:330 Resp: 932471
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.4
141 27.9 21.3 31.9





#45

2-Fluorobiphenyl

Concen: 72.140 ng

RT: 13.069 min Scan# 1714

Delta R.T. 0.000 min

Lab File: BP009107.D

Acq: 10 Feb 2022 19:30

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:172 Resp: 270064

Ion Ratio Lower Upper

172 100

171 35.4 29.3 43.9

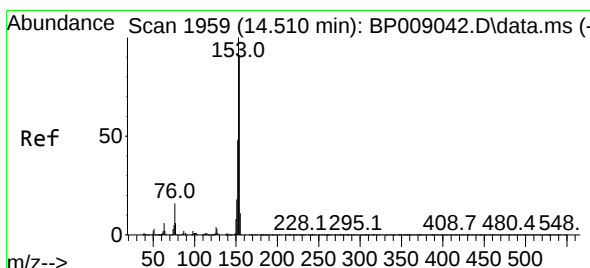
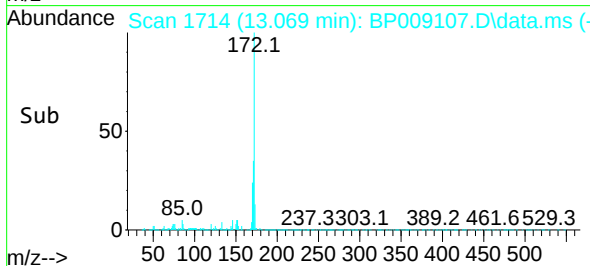
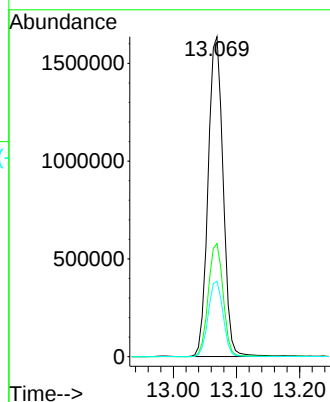
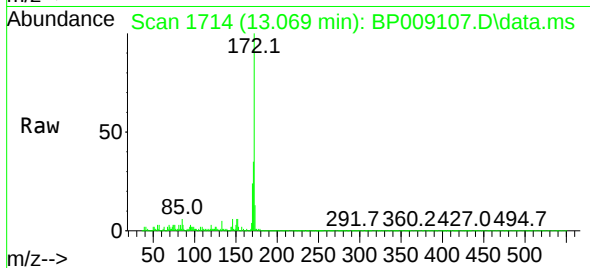
170 23.6 19.5 29.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/11/2022

Supervised By :Jagrut Upadhyay 02/11/2022



#52

Acenaphthene

Concen: 4.179 ng

RT: 14.510 min Scan# 1959

Delta R.T. 0.000 min

Lab File: BP009107.D

Acq: 10 Feb 2022 19:30

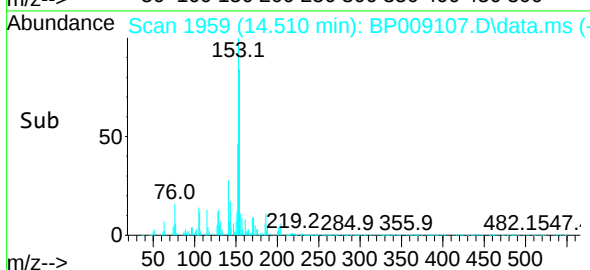
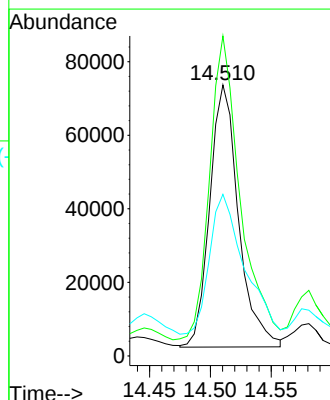
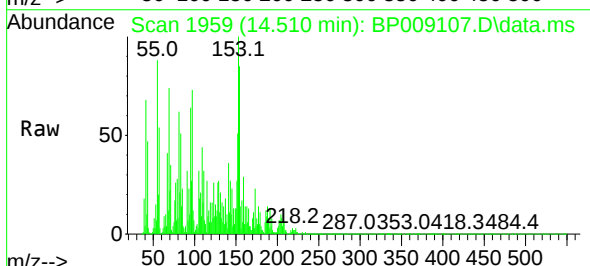
Tgt Ion:154 Resp: 117287

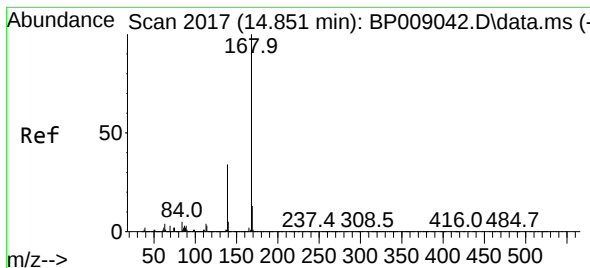
Ion Ratio Lower Upper

154 100

153 118.1 89.4 134.2

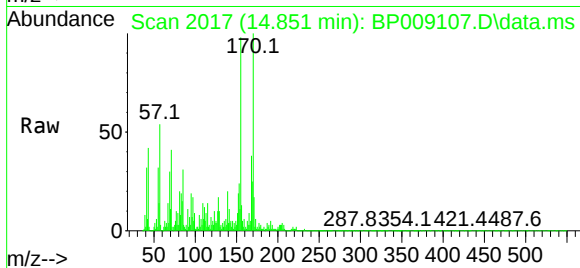
152 59.6 42.6 63.8





#55
Dibenzenofuran
Concen: 3.154 ng m
RT: 14.851 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

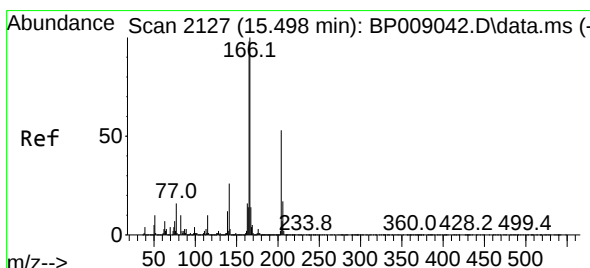
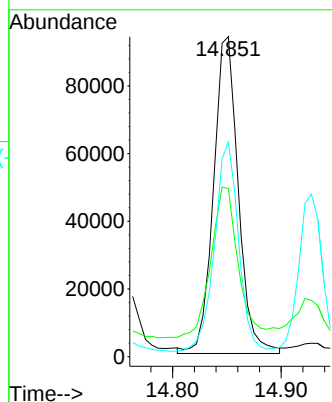
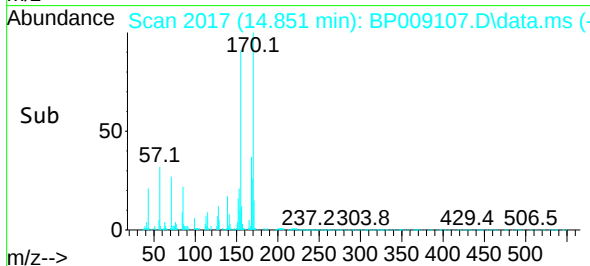
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion:168 Resp: 14911
Ion Ratio Lower Upper
168 100
139 52.6 27.4 41.0
169 67.1 10.9 16.3

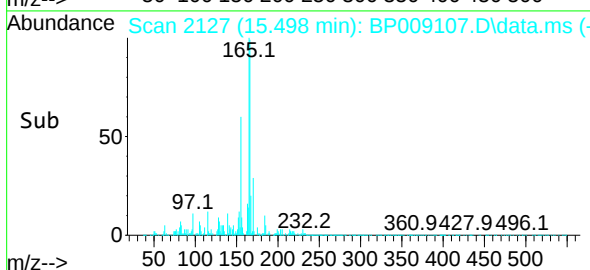
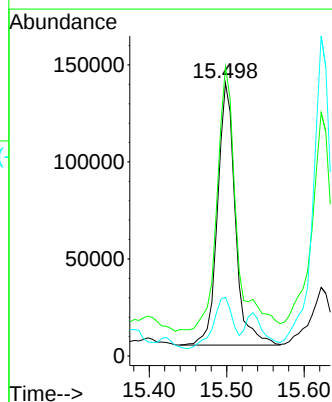
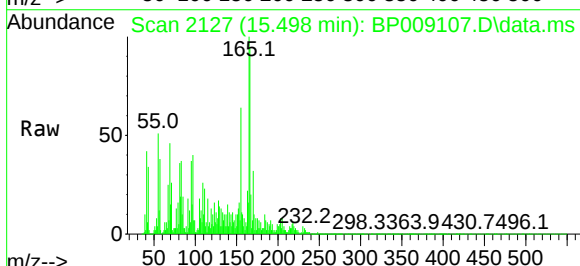
Manual Integrations
APPROVED

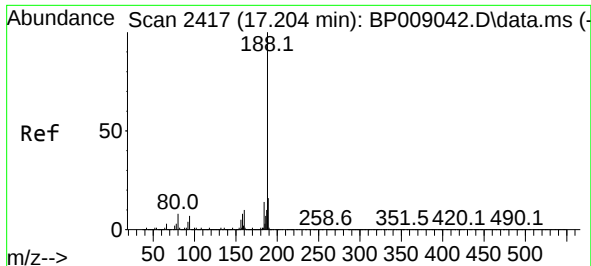
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#58
Fluorene
Concen: 5.934 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

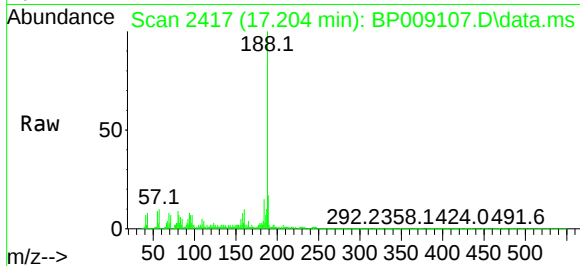
Tgt Ion:166 Resp: 215580
Ion Ratio Lower Upper
166 100
165 106.1 77.2 115.8
167 21.5 11.2 16.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

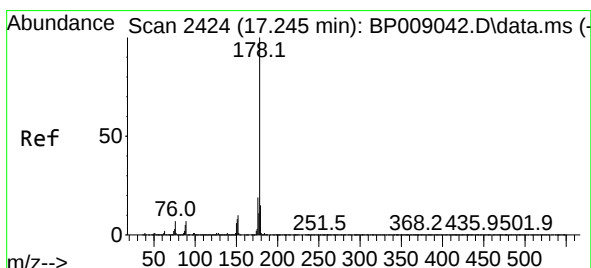
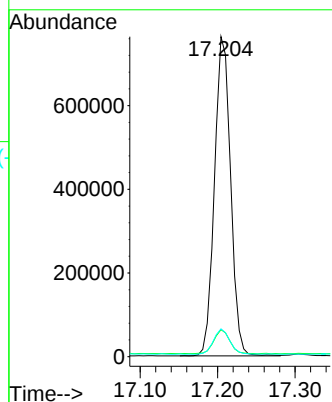
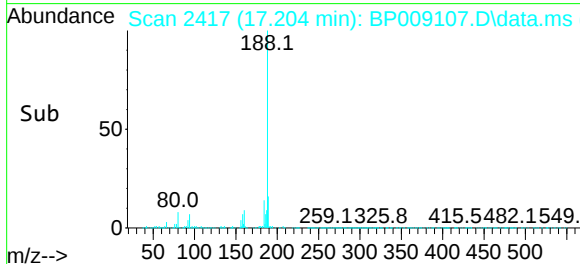
Instrument :
BNA_P
ClientSampleId :
TP-3



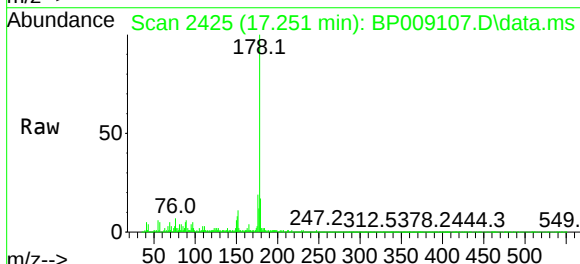
Tgt Ion:188 Resp: 1102999
Ion Ratio Lower Upper
188 100
94 8.4 6.8 10.2
80 8.7 7.2 10.8

Manual Integrations
APPROVED

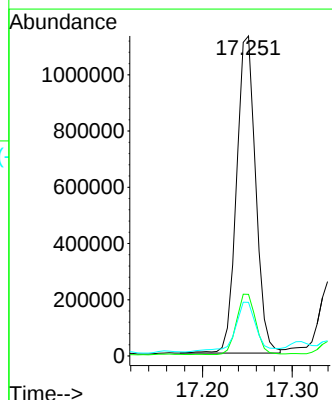
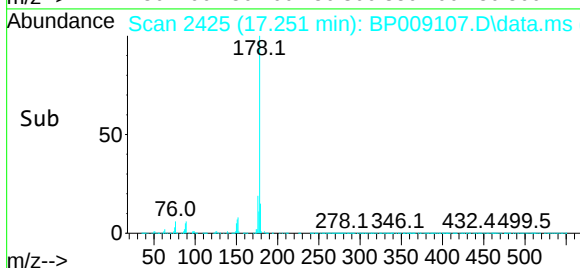
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022

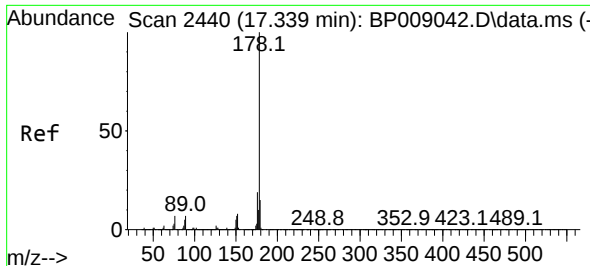


#71
Phenanthrene
Concen: 27.877 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



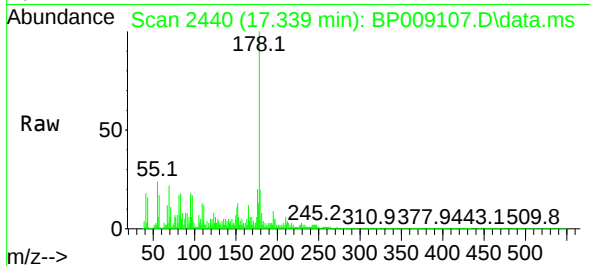
Tgt Ion:178 Resp: 1664947
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 16.8 13.0 19.4





#72
 Anthracene
 Concen: 6.062 ng m
 RT: 17.339 min Scan# 2440
 Delta R.T. 0.000 min
 Lab File: BP009107.D
 Acq: 10 Feb 2022 19:30

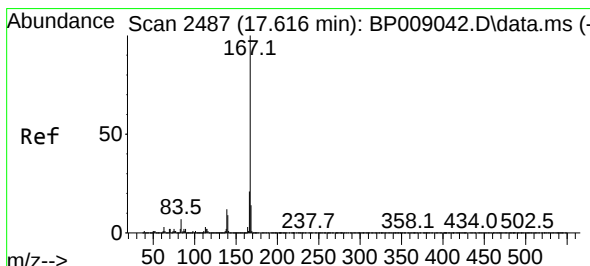
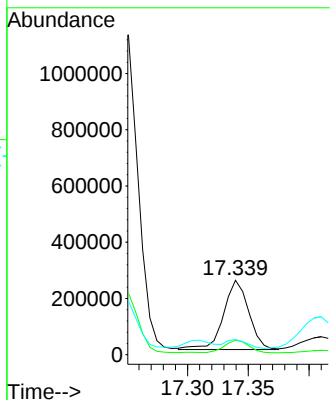
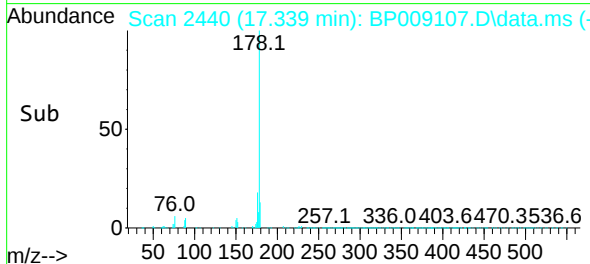
Instrument :
 BNA_P
 ClientSampleId :
 TP-3



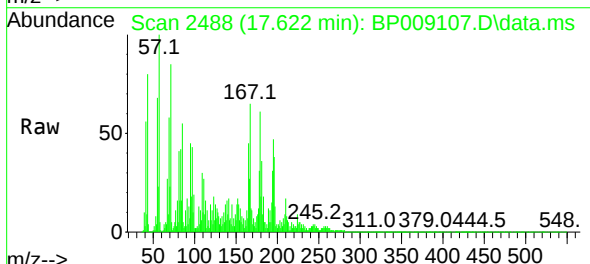
Tgt Ion:178 Resp: 354215
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.1 22.7
 179 20.5 12.8 19.2

Manual Integrations
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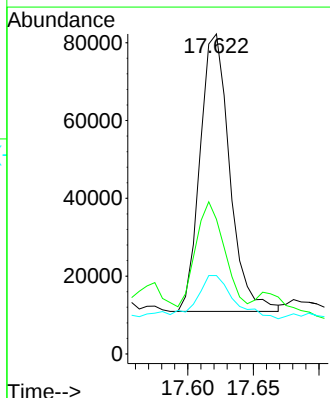
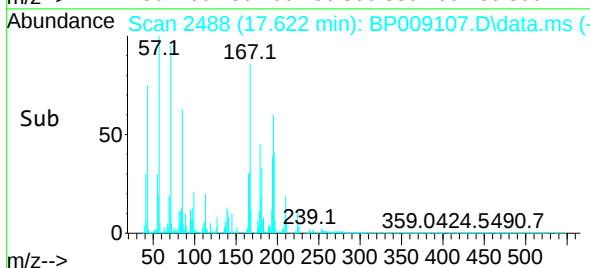
Reviewed By :Christian Giraldo 02/11/2022
 Supervised By :Jagrut Upadhyay 02/11/2022

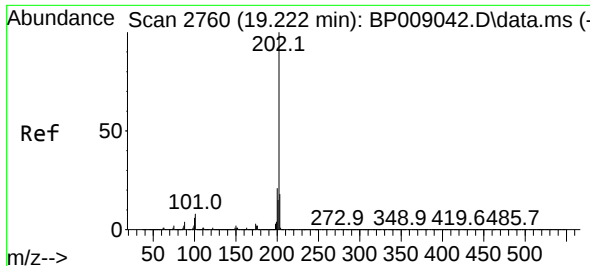


#73
 Carbazole
 Concen: 2.006 ng
 RT: 17.622 min Scan# 2488
 Delta R.T. 0.006 min
 Lab File: BP009107.D
 Acq: 10 Feb 2022 19:30



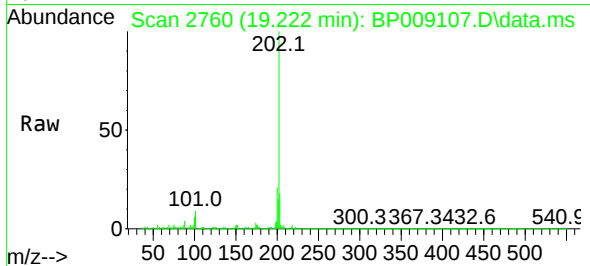
Tgt Ion:167 Resp: 112329
 Ion Ratio Lower Upper
 167 100
 166 42.1 17.7 26.5#
 139 24.5 9.8 14.6#





#75
Fluoranthene
Concen: 35.238 ng
RT: 19.222 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

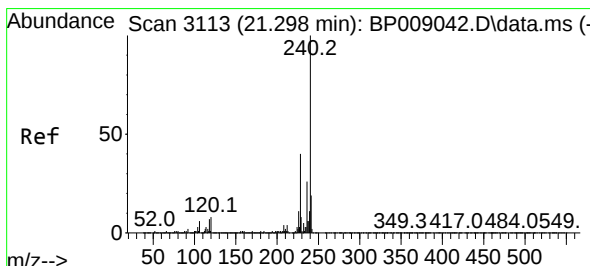
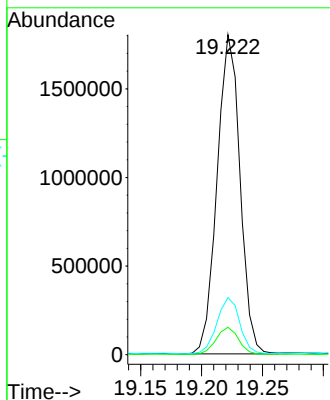
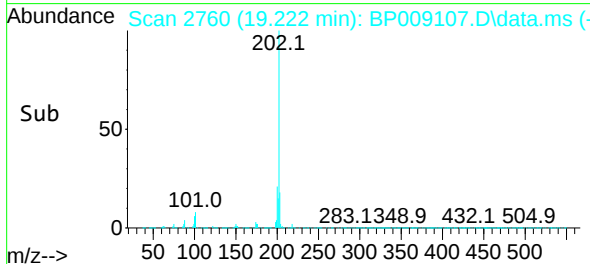
Instrument :
BNA_P
ClientSampleId :
TP-3



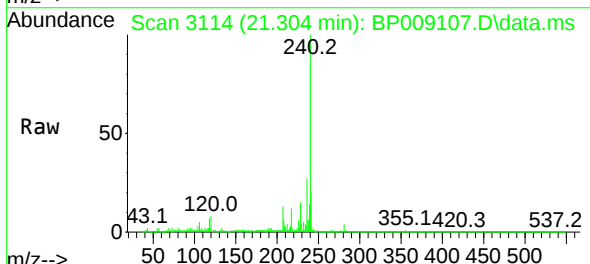
Tgt Ion:202 Resp: 2358750
Ion Ratio Lower Upper
202 100
101 8.6 0.0 30.7
203 17.9 0.0 38.9

Manual Integrations
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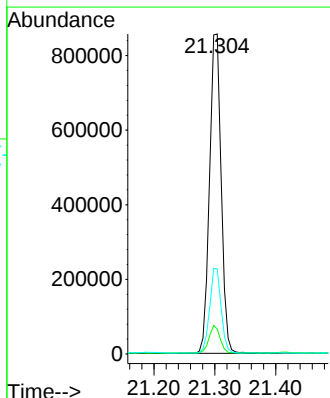
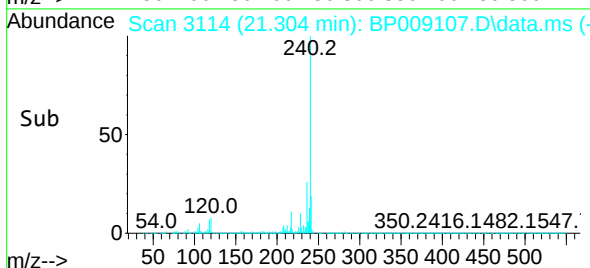
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022

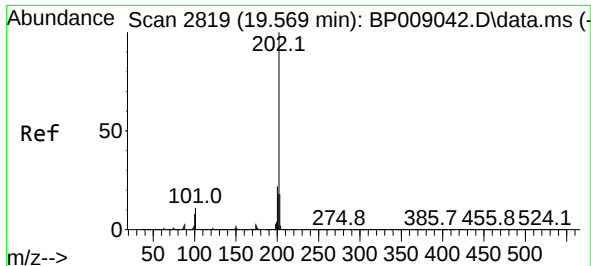


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.304 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



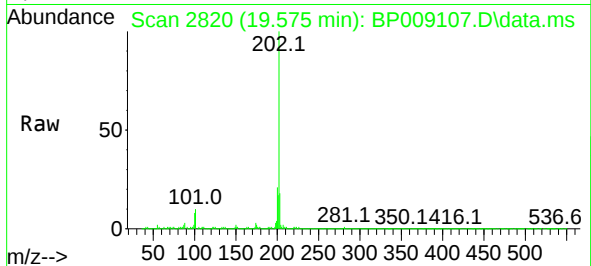
Tgt Ion:240 Resp: 1136935
Ion Ratio Lower Upper
240 100
120 7.8 7.7 11.5
236 26.6 21.2 31.8





#78
Pyrene
Concen: 27.097 ng
RT: 19.575 min Scan# 2819
Delta R.T. 0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

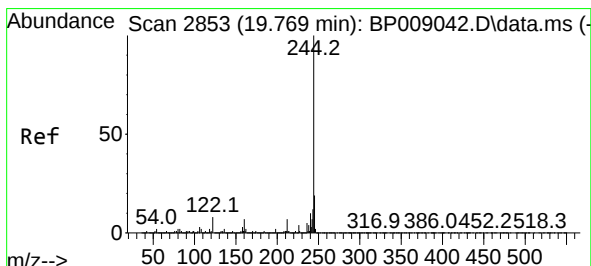
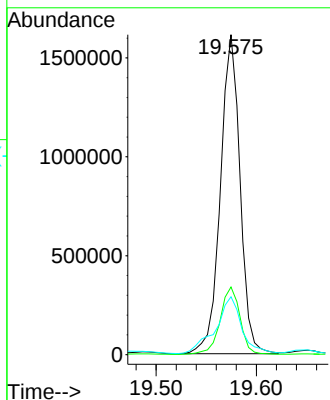
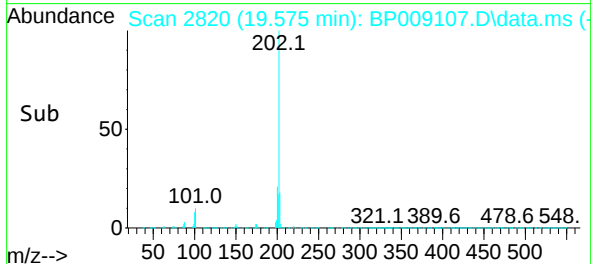
Instrument :
BNA_P
Client SampleId :
TP-3



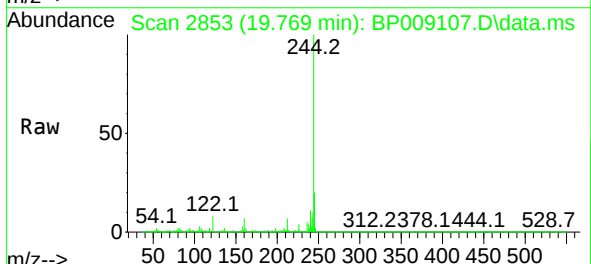
Tgt Ion: 202 Resp: 2191569
Ion Ratio Lower Upper
202 100
200 21.2 18.0 27.0
203 18.1 15.0 22.6

Manual Integrations
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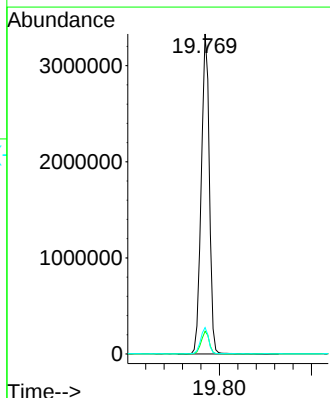
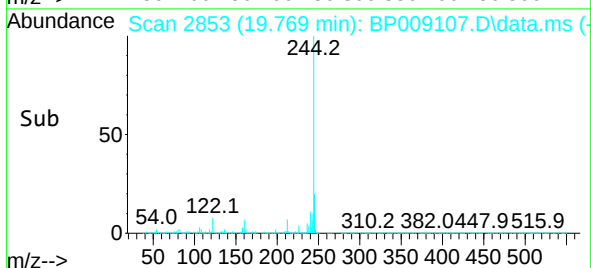
Reviewed By : Christian Giraldo 02/11/2022
Supervised By : Jagrut Upadhyay 02/11/2022

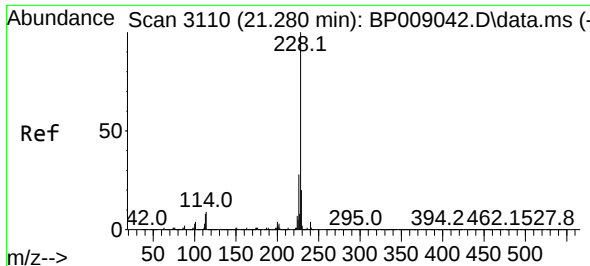


#79
Terphenyl-d14
Concen: 64.485 ng
RT: 19.769 min Scan# 2853
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



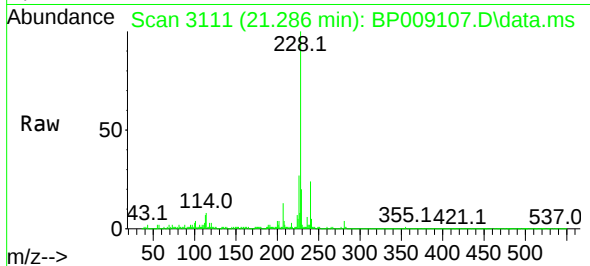
Tgt Ion: 244 Resp: 4076840
Ion Ratio Lower Upper
244 100
212 7.1 6.5 9.7
122 8.3 9.2 13.8





#81
Benzo(a)anthracene
Concen: 14.599 ng
RT: 21.286 min Scan# 3111
Delta R.T. 0.006 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

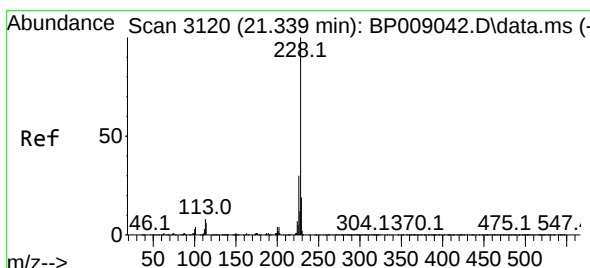
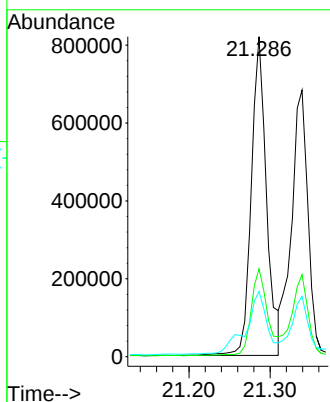
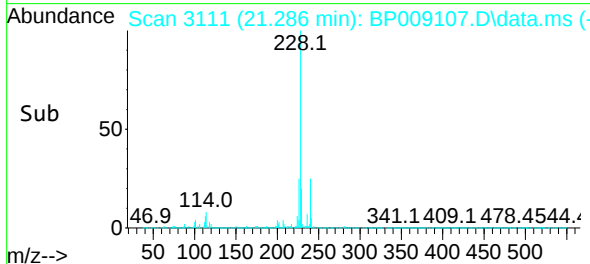
Instrument :
BNA_P
ClientSampleId :
TP-3



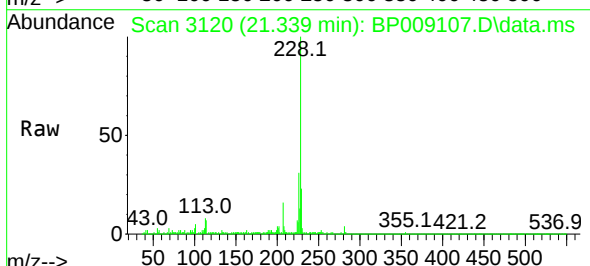
Tgt Ion:228 Resp: 1069638
Ion Ratio Lower Upper
228 100
226 27.5 23.3 34.9
229 20.4 17.0 25.6

Manual Integrations
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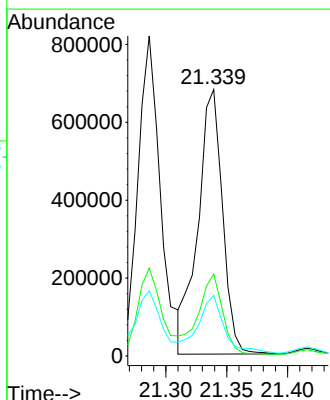
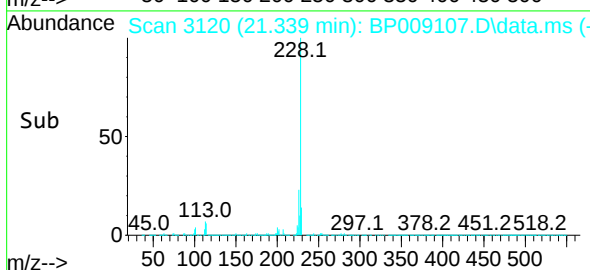
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022

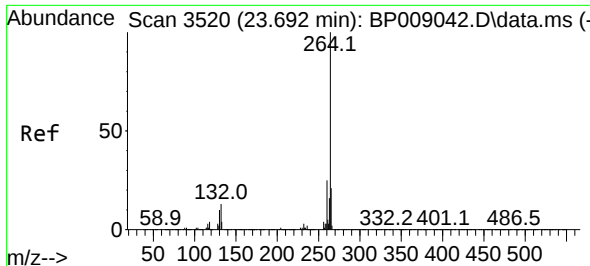


#83
Chrysene
Concen: 13.546 ng
RT: 21.339 min Scan# 3120
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



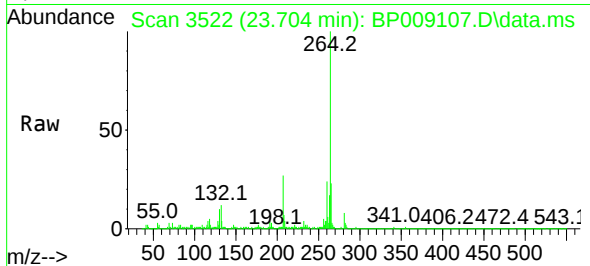
Tgt Ion:228 Resp: 956773
Ion Ratio Lower Upper
228 100
226 30.8 26.0 39.0
229 22.7 16.9 25.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.704 min Scan# 3520
Delta R.T. 0.012 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

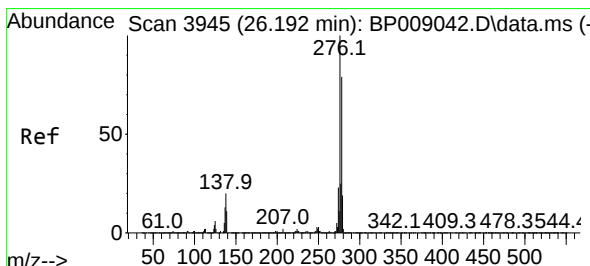
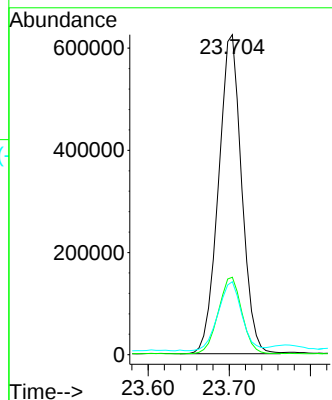
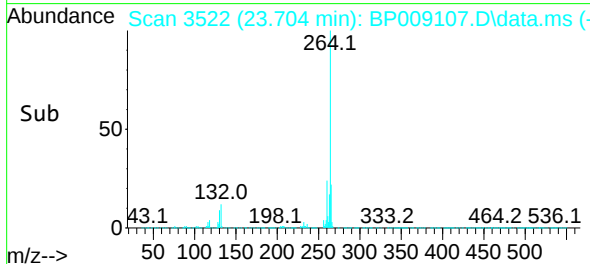
Instrument :
BNA_P
ClientSampleId :
TP-3



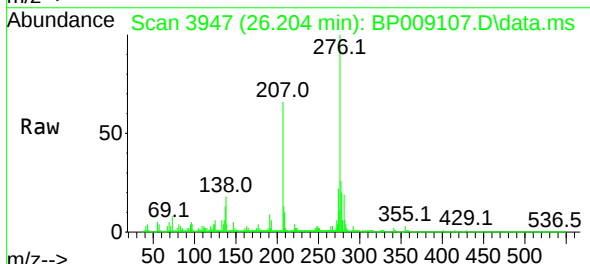
Tgt Ion:264 Resp: 123753
Ion Ratio Lower Upper
264 100
260 24.2 19.1 28.7
265 22.8 17.1 25.7

Manual Integrations
APPROVED

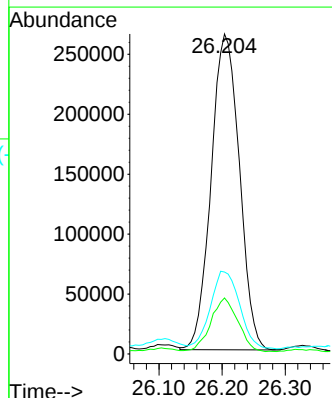
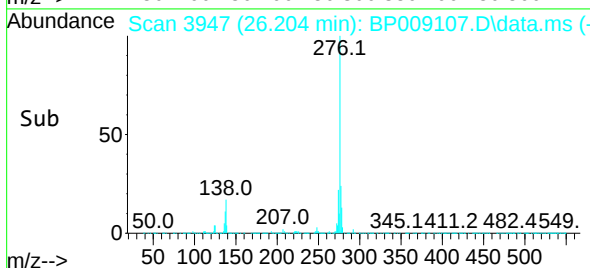
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022

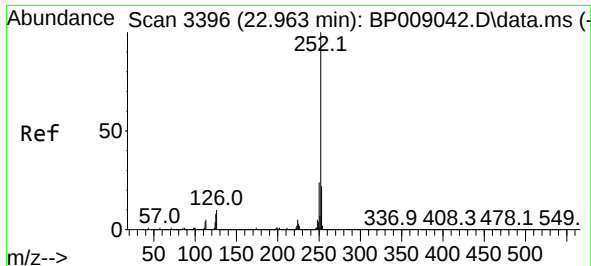


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.921 ng
RT: 26.204 min Scan# 3947
Delta R.T. 0.012 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30



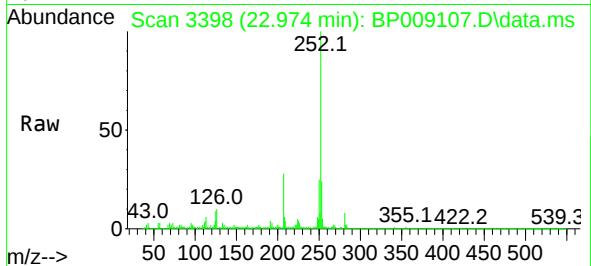
Tgt Ion:276 Resp: 820276
Ion Ratio Lower Upper
276 100
138 16.3 17.8 26.6#
277 25.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 19.387 ng m
RT: 22.974 min Scan# 3396
Delta R.T. 0.012 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

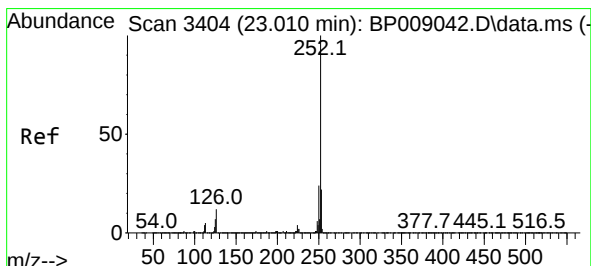
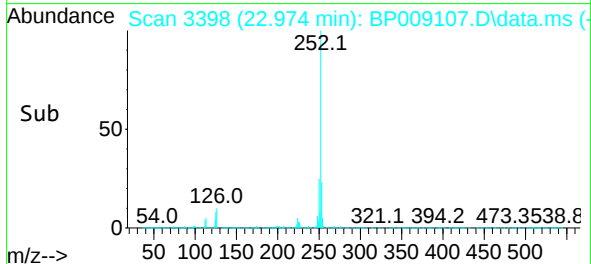
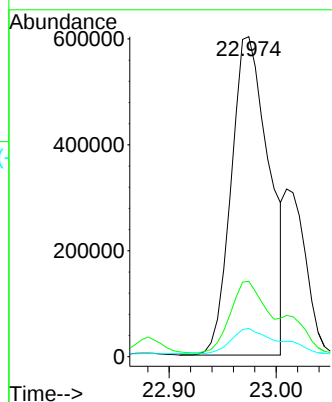
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion:252 Resp: 1477004
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 8.9 6.9 10.3

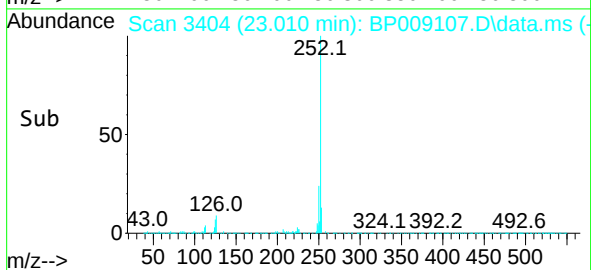
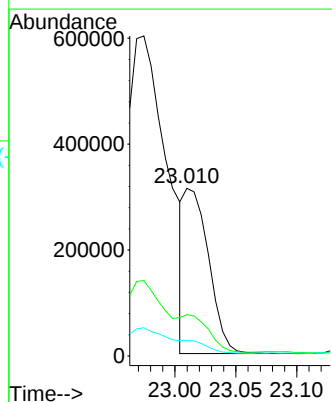
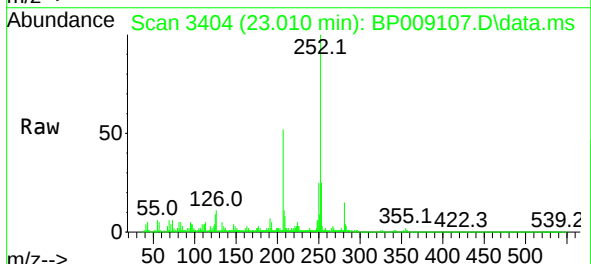
Manual Integrations
APPROVED

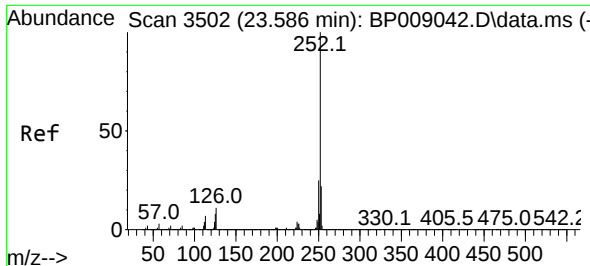
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#89
Benzo(k)fluoranthene
Concen: 5.736 ng m
RT: 23.010 min Scan# 3404
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

Tgt Ion:252 Resp: 436003
Ion Ratio Lower Upper
252 100
253 24.6 18.2 27.2
125 9.2 7.3 10.9





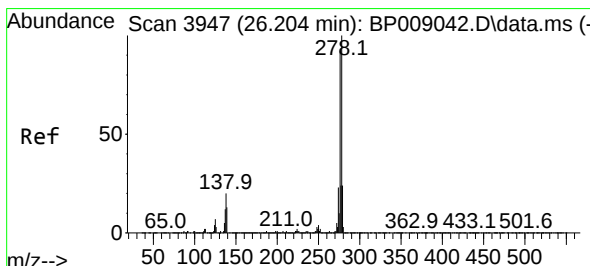
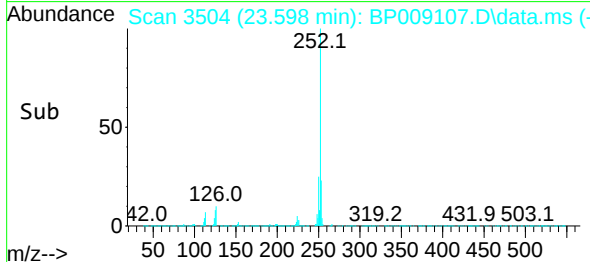
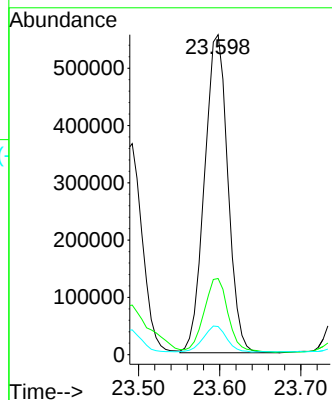
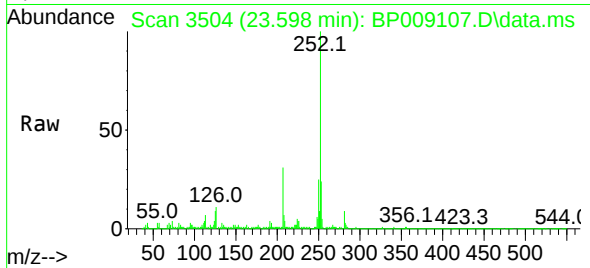
#90
Benzo(a)pyrene
Concen: 17.497 ng
RT: 23.598 min Scan# 3504
Delta R.T. 0.012 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion:252 Resp: 1111359
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 8.8 7.8 11.6

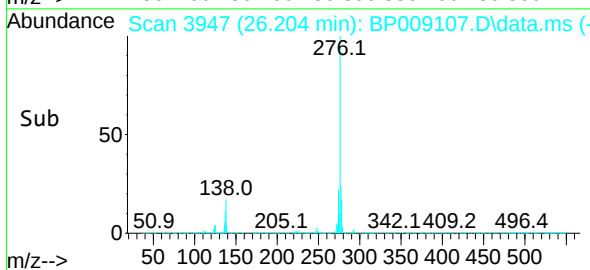
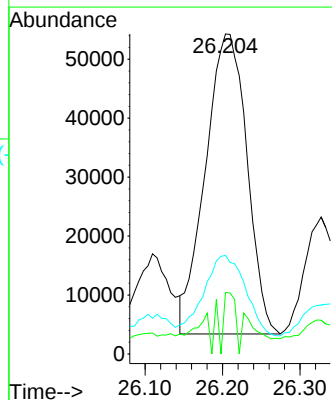
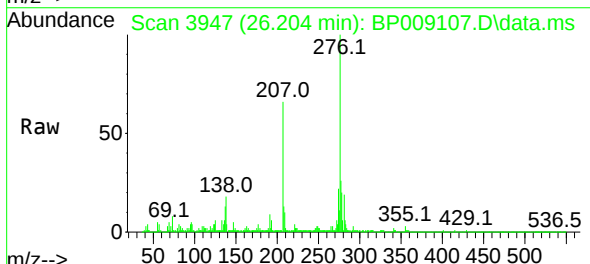
Manual Integrations
APPROVED

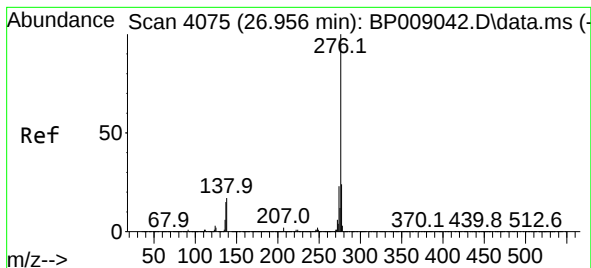
Reviewed By :Christian Giraldo 02/11/2022
Supervised By :Jagrut Upadhyay 02/11/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.506 ng
RT: 26.204 min Scan# 3947
Delta R.T. 0.000 min
Lab File: BP009107.D
Acq: 10 Feb 2022 19:30

Tgt Ion:278 Resp: 189396
Ion Ratio Lower Upper
278 100
139 19.2 11.5 17.3#
279 30.8 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 11.025 ng

RT: 26.980 min Scan# 4079

Delta R.T. 0.024 min

Lab File: BP009107.D

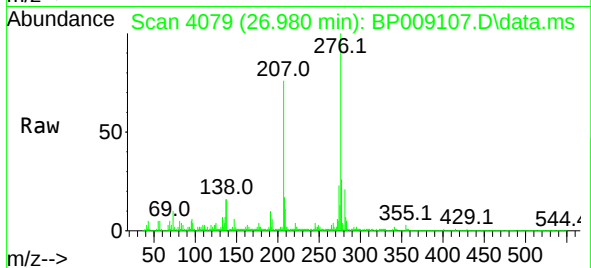
Acq: 10 Feb 2022 19:30

Instrument :

BNA_P

ClientSampleId :

TP-3



Tgt Ion:276 Resp: 82948

Ion Ratio Lower Upper

276 100

277 25.6 19.2 28.8

138 16.0 15.0 22.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/11/2022

Supervised By :Jagrut Upadhyay 02/11/2022

