

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
 Data File : BP009129.D
 Acq On : 12 Feb 2022 00:05
 Operator : CG/JU
 Sample : N1505-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-021022

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022

Quant Time: Feb 12 00:41:25 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	288892	20.000	ng	-0.01
21) Naphthalene-d8	10.593	136	1191585	20.000	ng	-0.01
39) Acenaphthene-d10	14.439	164	838463	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1770227	20.000	ng	0.00
76) Chrysene-d12	21.298	240	1508672	20.000	ng	0.00
86) Perylene-d12	23.698	264	1505667	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	625031	38.593	ng	0.00
7) Phenol-d6	6.993	99	868026	40.676	ng	0.00
23) Nitrobenzene-d5	8.957	82	518106	24.520	ng	-0.01
42) 2,4,6-Tribromophenol	15.939	330	505793	45.180	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	1592735	26.592	ng	-0.01
79) Terphenyl-d14	19.763	244	2411015	28.739	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.640	128	297011	4.887	ng	99
37) 2-Methylnaphthalene	12.257	142	350426	8.148	ng	97
38) 1-Methylnaphthalene	12.475	142	427261	10.167	ng	98
49) Acenaphthylene	14.157	152	836151	11.330	ng	97
52) Acenaphthene	14.504	154	385580	8.587	ng	98
55) Dibenzofuran	14.839	168	359692	4.755	ng	# 87
58) Fluorene	15.492	166	1043040	17.946	ng	99
71) Phenanthrene	17.245	178	5660881	59.058	ng	100
72) Anthracene	17.333	178	1862103	19.856	ng	99
73) Carbazole	17.610	167	213218	2.372	ng	95
75) Fluoranthene	19.221	202	5184476	48.259	ng	97
78) Pyrene	19.574	202	5944357	55.388	ng	99
81) Benzo(a)anthracene	21.280	228	2655520	27.314	ng	98
83) Chrysene	21.333	228	2423724	25.860	ng	98
87) Indeno(1,2,3-cd)pyrene	26.203	276	1185370	10.596	ng	# 93
88) Benzo(b)fluoranthene	22.968	252	2584436m	27.882	ng	
89) Benzo(k)fluoranthene	23.010	252	658723m	7.123	ng	
90) Benzo(a)pyrene	23.598	252	2153333	27.864	ng	98
91) Dibenzo(a,h)anthracene	26.203	278	360929	3.926	ng	# 87
92) Benzo(g,h,i)perylene	26.980	276	1194265	13.047	ng	96

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

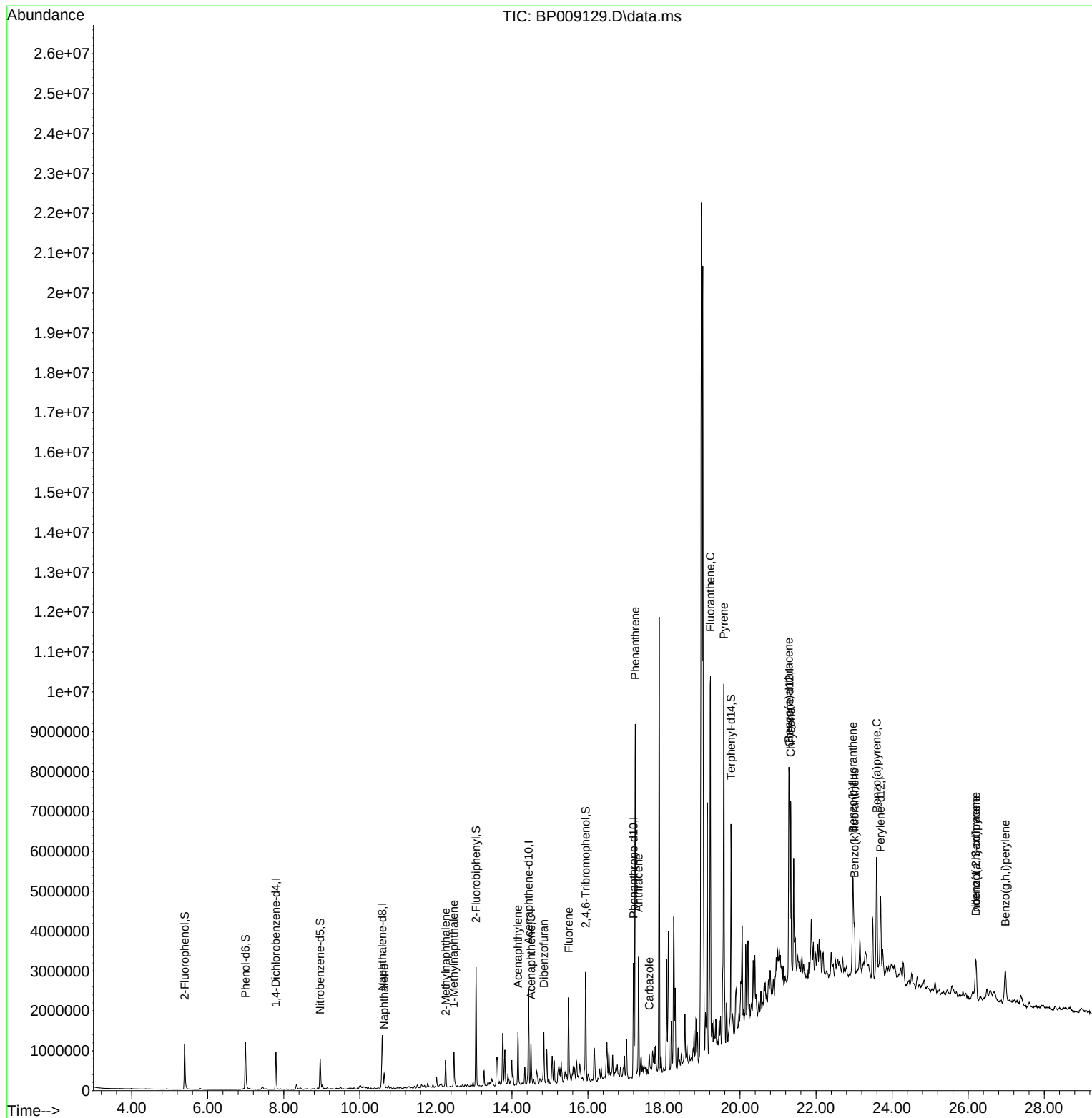
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021122\
Data File : BP009129.D
Acq On : 12 Feb 2022 00:05
Operator : CG/JU
Sample : N1505-03 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

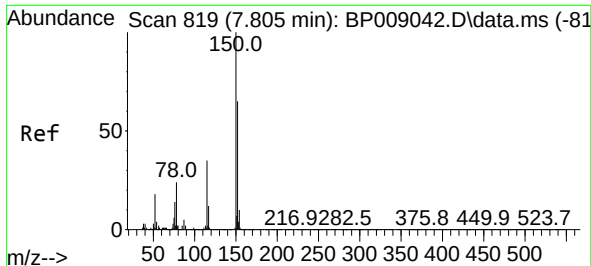
Instrument :
BNA_P
ClientSampleId :
SU-03-021022

Quant Time: Feb 12 00:41:25 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
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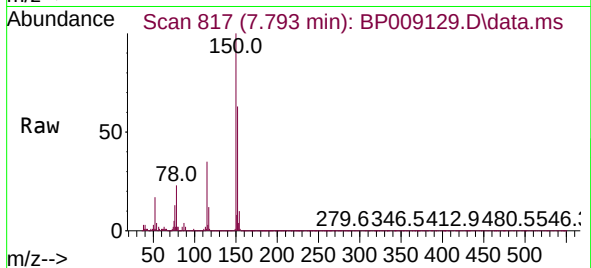
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 819
Delta R.T. -0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

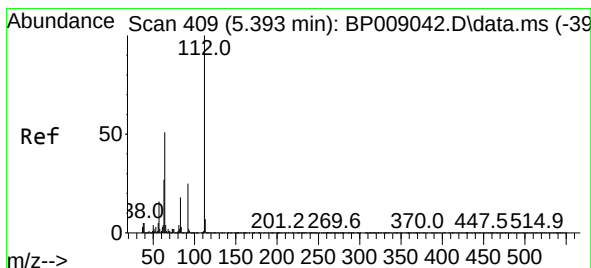
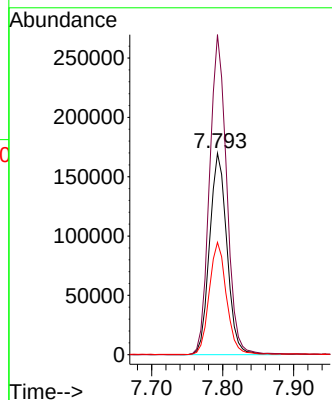
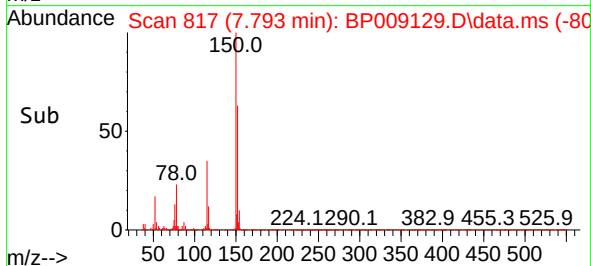
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



Tgt Ion:152 Resp: 288892
Ion Ratio Lower Upper
152 100
150 158.9 127.0 190.6
115 55.8 43.7 65.5

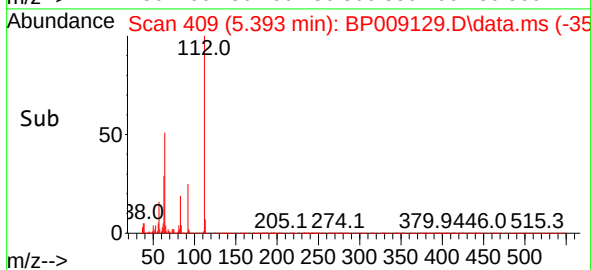
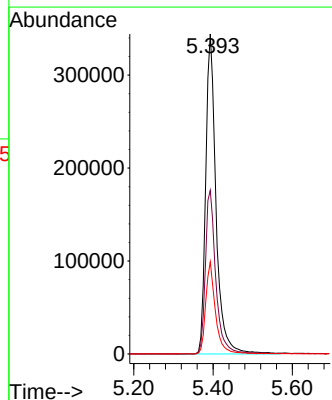
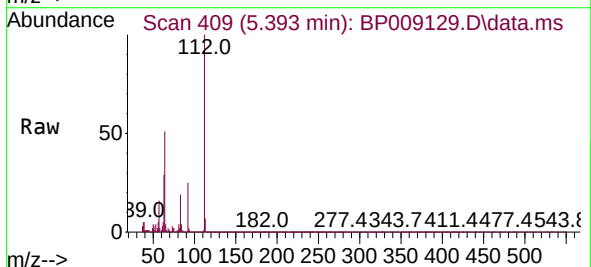
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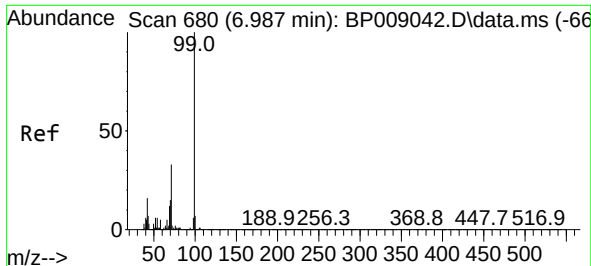
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#5
2-Fluorophenol
Concen: 38.593 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

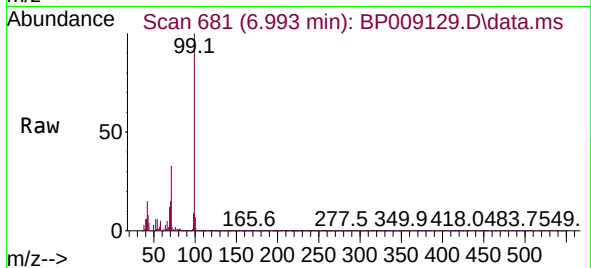
Tgt Ion:112 Resp: 625031
Ion Ratio Lower Upper
112 100
64 51.2 39.7 59.5
63 28.8 20.0 30.0





#7
Phenol-d6
Concen: 40.676 ng
RT: 6.993 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

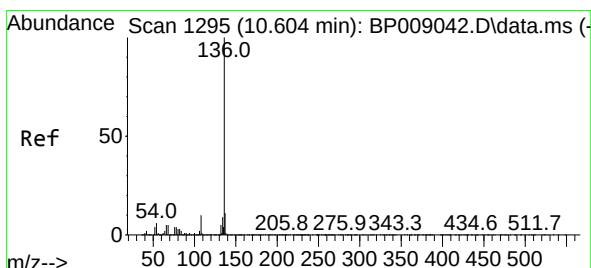
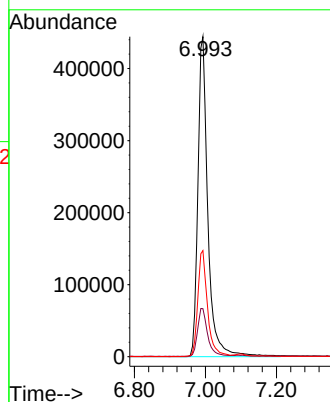
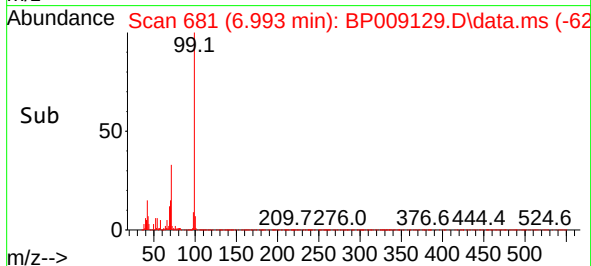
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



Tgt Ion: 99 Resp: 868020
Ion Ratio Lower Upper
99 100
42 15.0 10.8 16.2
71 33.2 23.8 35.6

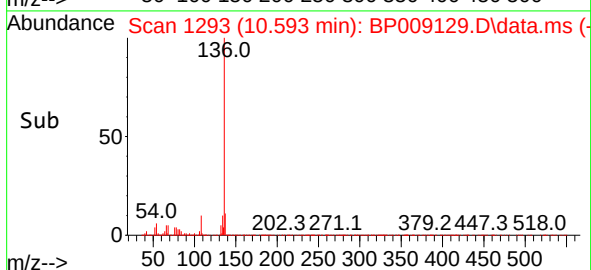
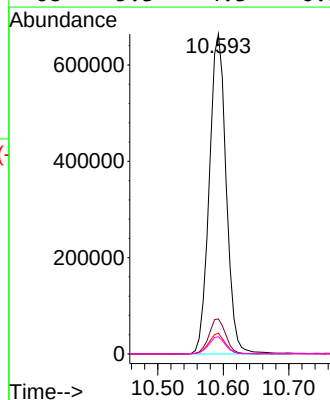
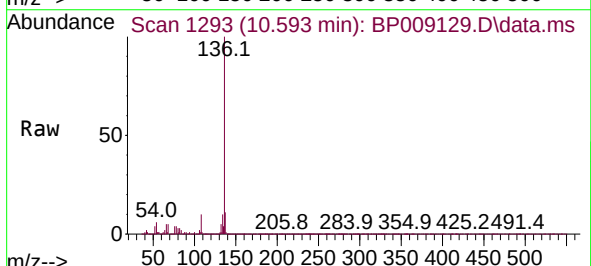
Manual Integrations
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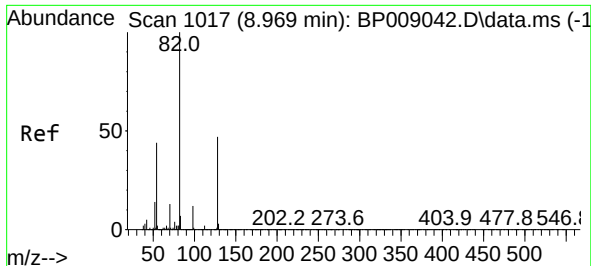
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.011 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Tgt Ion:136 Resp: 1191585
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.5 4.9 7.3
68 5.3 4.3 6.5





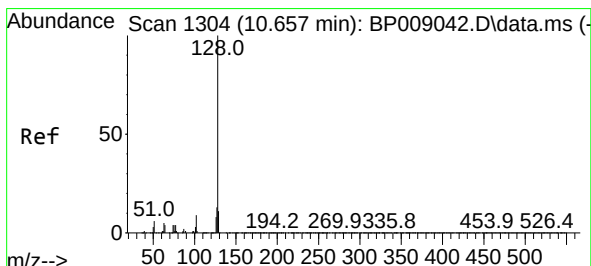
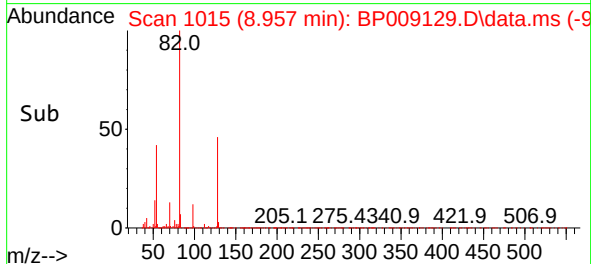
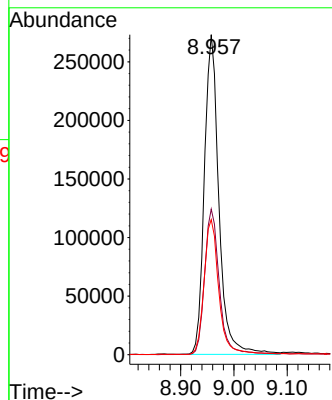
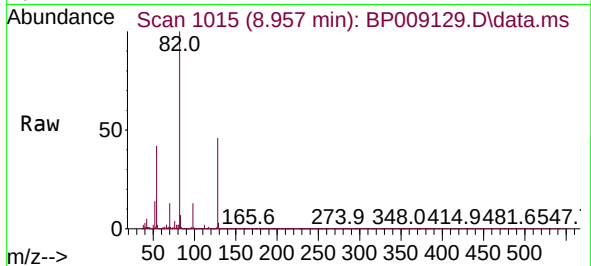
#23
Nitrobenzene-d5
Concen: 24.520 ng
RT: 8.957 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Instrument :
BNA_P
ClientSampleId :
SU-03-021022

Tgt Ion: 82 Resp: 518100
Ion Ratio Lower Upper
82 100
128 45.5 39.4 59.2
54 42.2 32.6 48.8

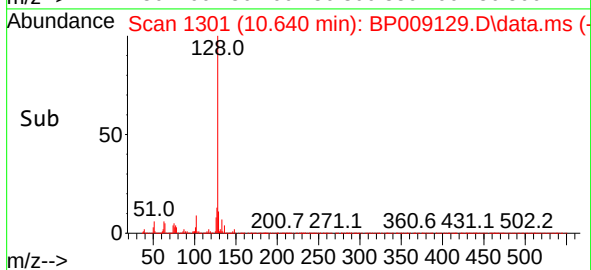
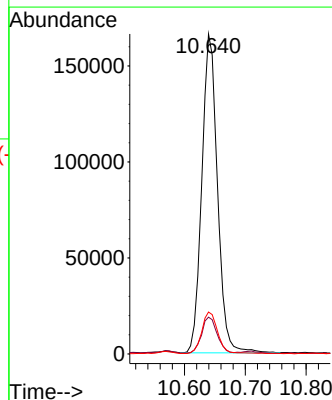
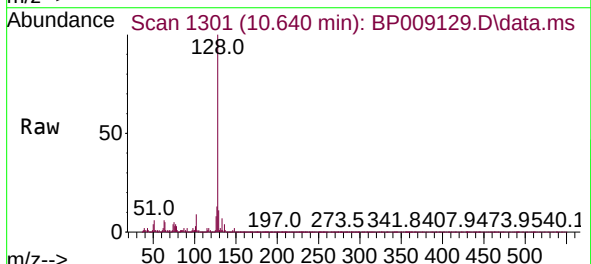
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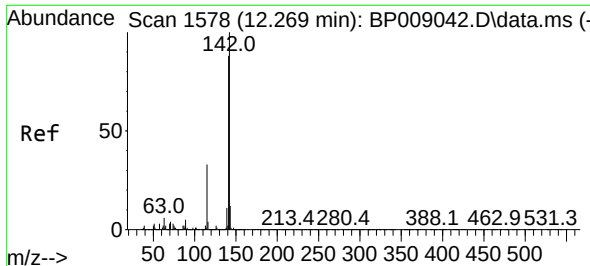
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#31
Naphthalene
Concen: 4.887 ng
RT: 10.640 min Scan# 1301
Delta R.T. -0.018 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

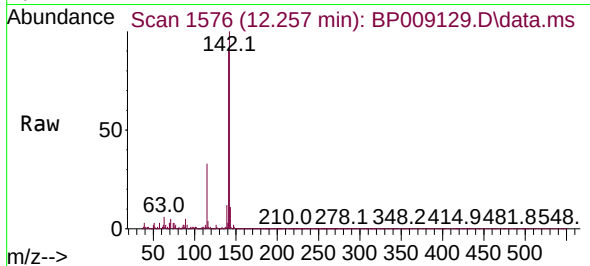
Tgt Ion:128 Resp: 297011
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 13.1 10.4 15.6





#37
2-Methylnaphthalene
Concen: 8.148 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

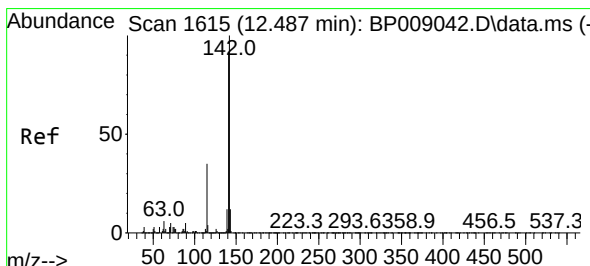
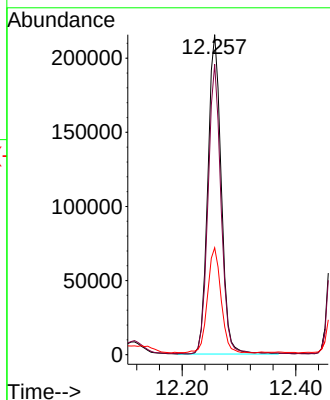
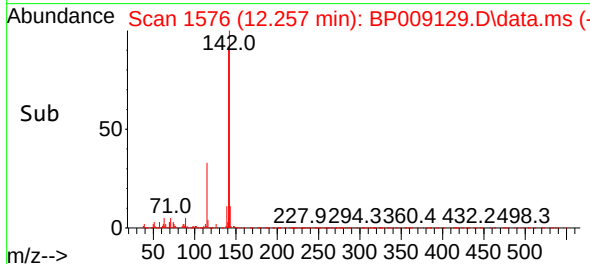
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



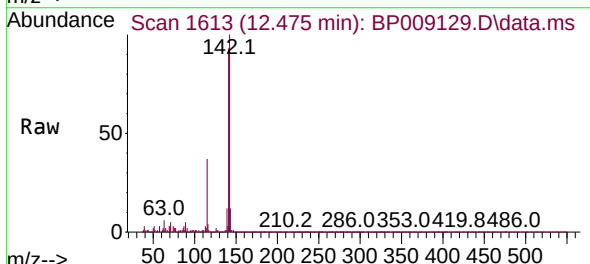
Tgt Ion:142 Resp: 350420
Ion Ratio Lower Upper
142 100
141 90.8 70.5 105.7
115 33.4 24.6 36.8

Manual Integrations
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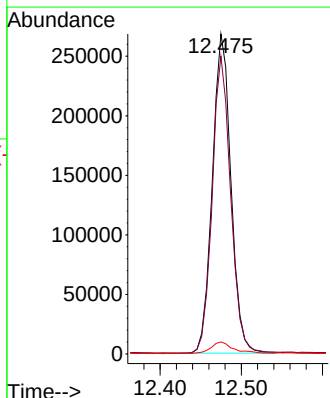
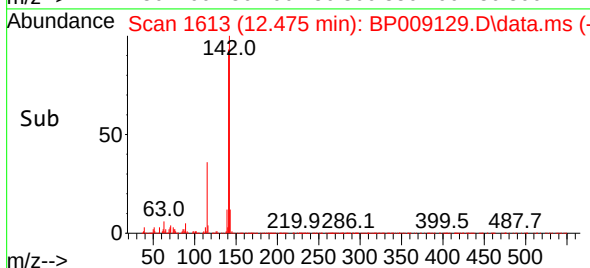
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

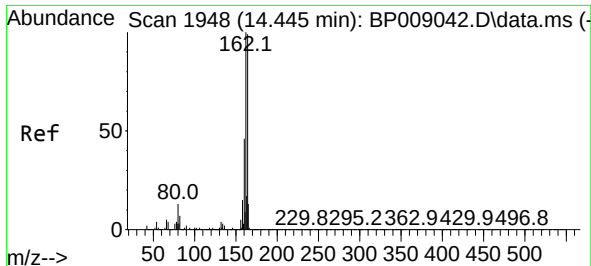


#38
1-Methylnaphthalene
Concen: 10.167 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05



Tgt Ion:142 Resp: 427261
Ion Ratio Lower Upper
142 100
141 93.0 73.2 109.8
116 3.8 2.7 4.1





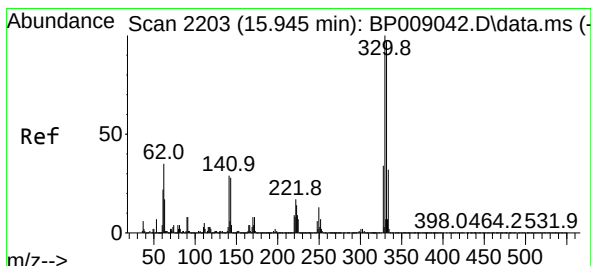
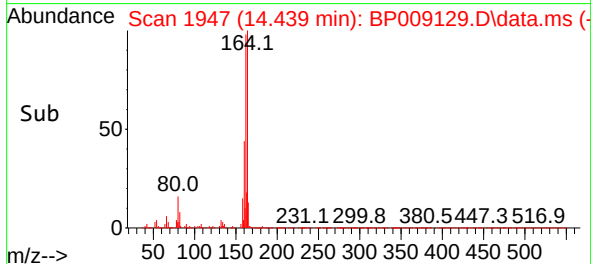
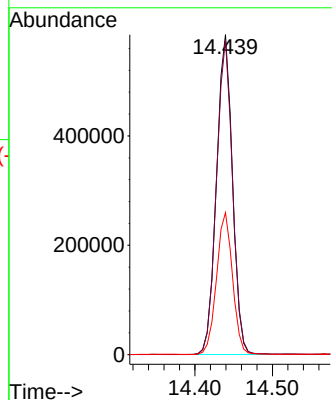
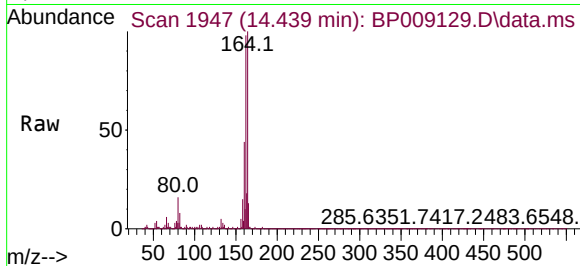
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.439 min Scan# 1947
Delta R.T. -0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Instrument :
BNA_P
ClientSampleId :
SU-03-021022

Tgt Ion:164 Resp: 83846
Ion Ratio Lower Upper
164 100
162 98.4 79.9 119.9
160 44.4 35.5 53.3

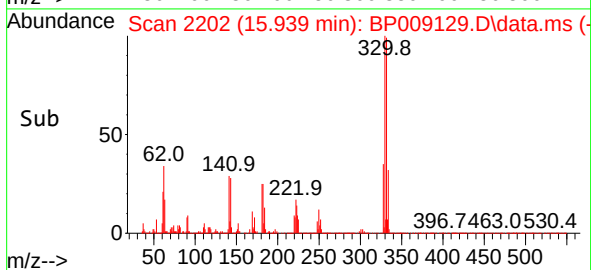
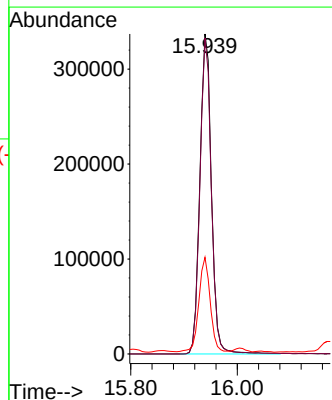
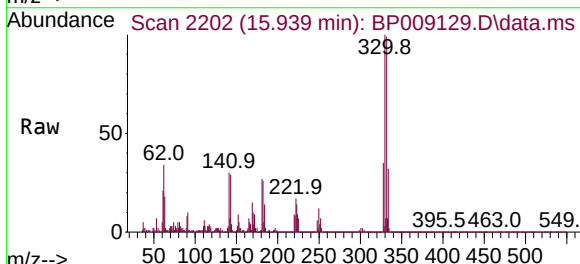
Manual Integrations
APPROVED

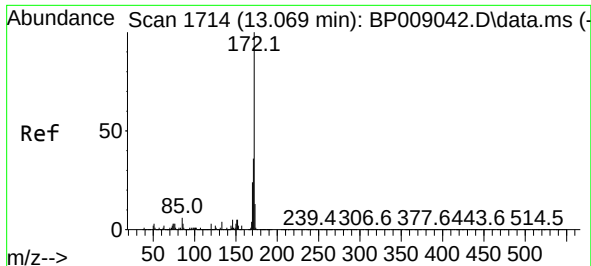
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#42
2,4,6-Tribromophenol
Concen: 45.180 ng
RT: 15.939 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Tgt Ion:330 Resp: 505793
Ion Ratio Lower Upper
330 100
332 97.6 77.0 115.4
141 29.1 21.3 31.9





#45
2-Fluorobiphenyl
Concen: 26.592 ng
RT: 13.057 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Instrument :

BNA_P

ClientSampleId :

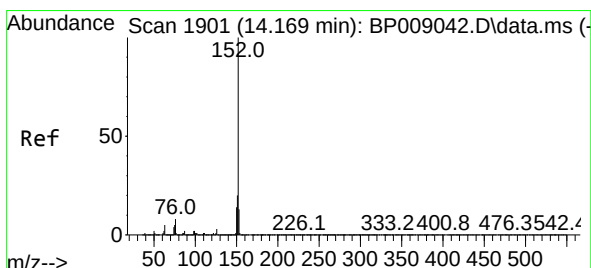
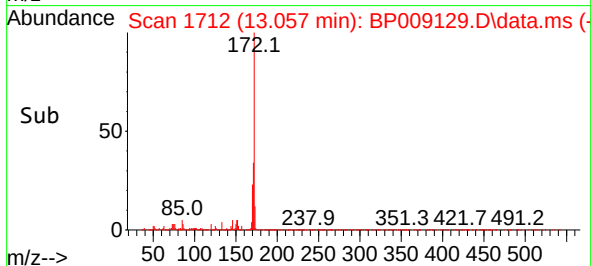
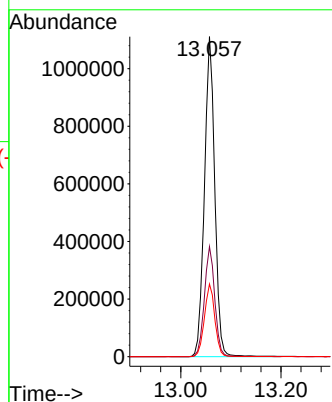
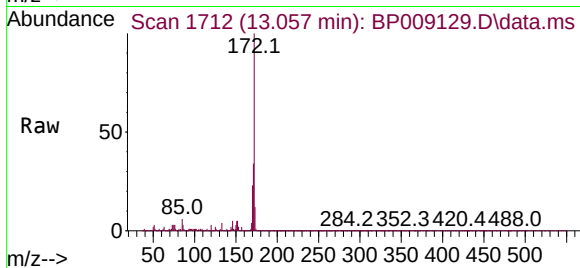
SU-03-021022

Tgt Ion:172 Resp: 1592735
Ion Ratio Lower Upper
172 100
171 34.4 29.3 43.9
170 22.7 19.5 29.3

Manual Integrations

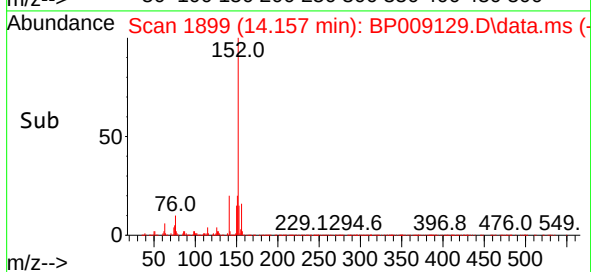
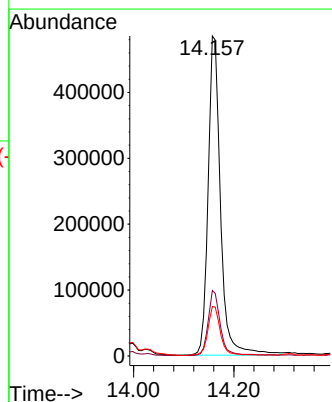
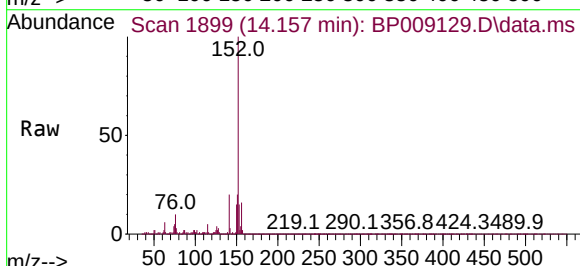
APPROVED

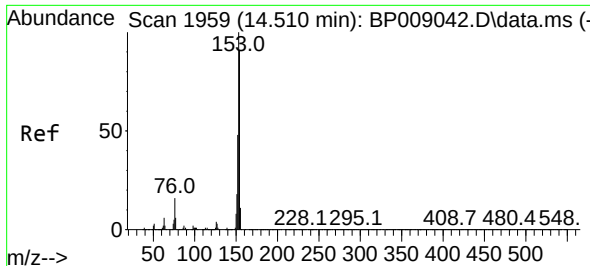
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#49
Acenaphthylene
Concen: 11.330 ng
RT: 14.157 min Scan# 1899
Delta R.T. -0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

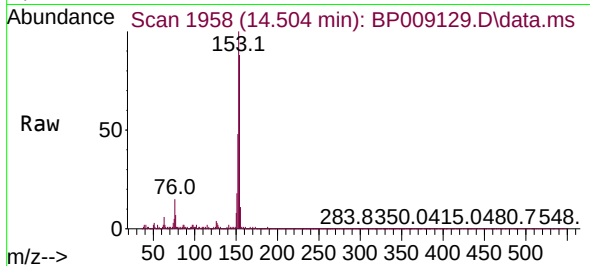
Tgt Ion:152 Resp: 836151
Ion Ratio Lower Upper
152 100
151 20.4 16.1 24.1
153 15.5 10.6 16.0





#52
Acenaphthene
Concen: 8.587 ng
RT: 14.504 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

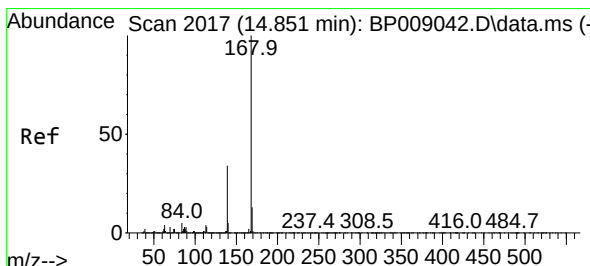
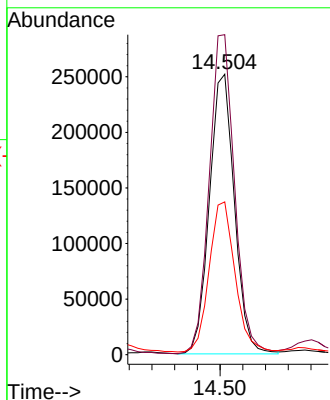
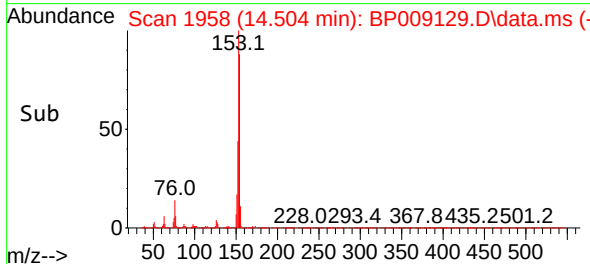
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



Tgt Ion:154 Resp: 385580
Ion Ratio Lower Upper
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153 114.1 89.4 134.2
152 54.5 42.6 63.8

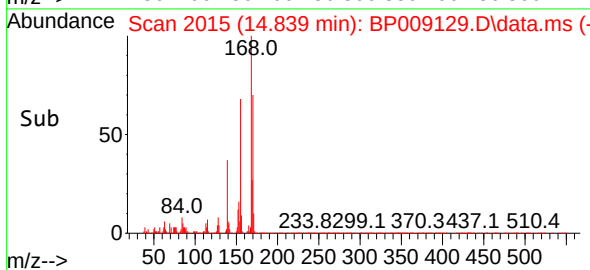
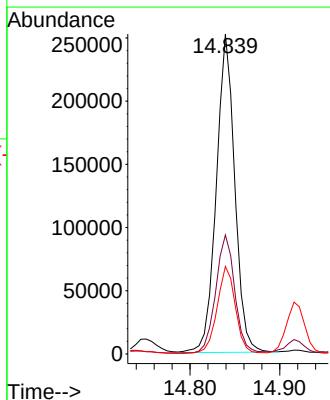
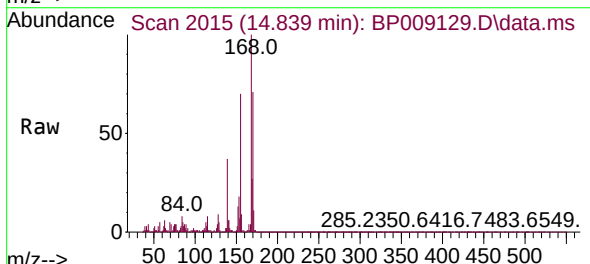
Manual Integrations
APPROVED

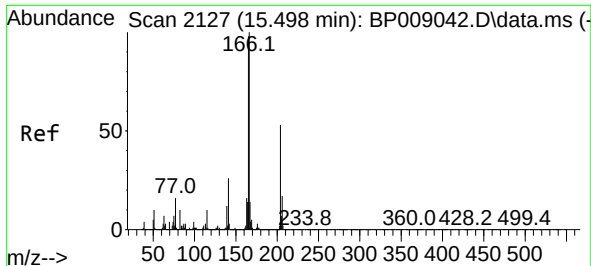
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#55
Dibenzofuran
Concen: 4.755 ng
RT: 14.839 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Tgt Ion:168 Resp: 359692
Ion Ratio Lower Upper
168 100
139 37.2 27.4 41.0
169 27.3 10.9 16.3





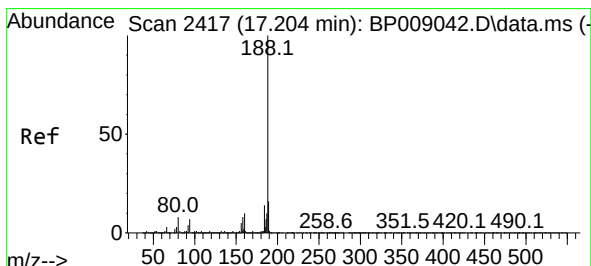
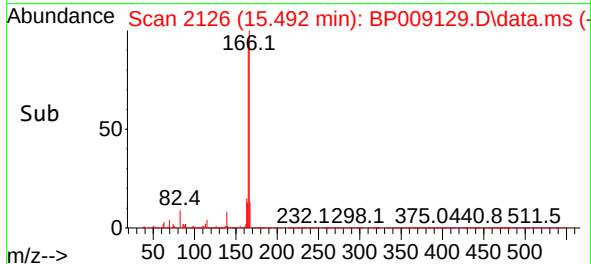
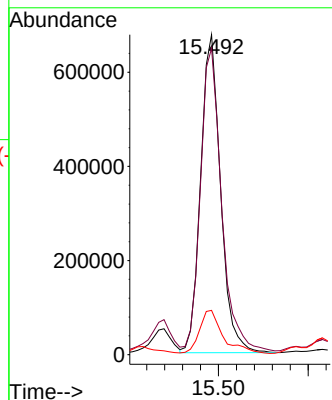
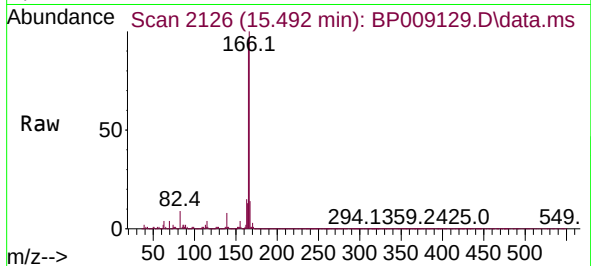
#58
Fluorene
Concen: 17.946 ng
RT: 15.492 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Instrument :
BNA_P
ClientSampleId :
SU-03-021022

Tgt Ion:166 Resp: 1043040
Ion Ratio Lower Upper
166 100
165 95.8 77.2 115.8
167 13.9 11.2 16.8

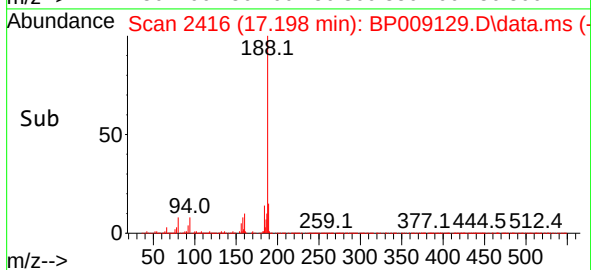
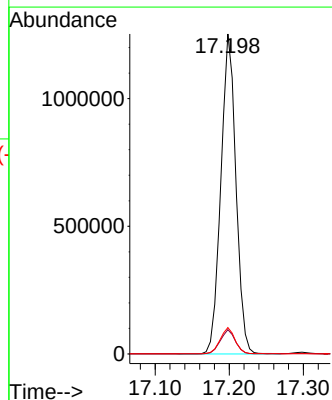
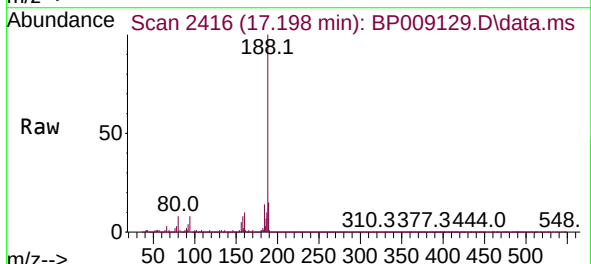
Manual Integrations
APPROVED

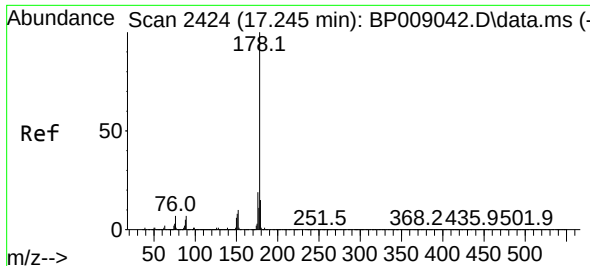
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

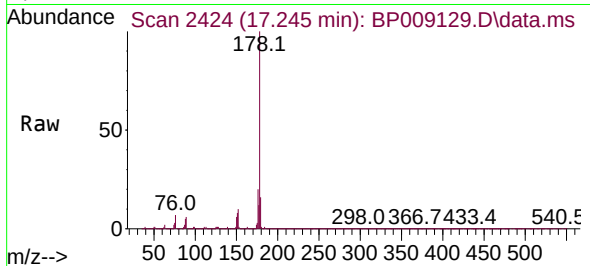
Tgt Ion:188 Resp: 1770227
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.3 7.2 10.8





#71
Phenanthrene
Concen: 59.058 ng
RT: 17.245 min Scan# 2424
Delta R.T. -0.000 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

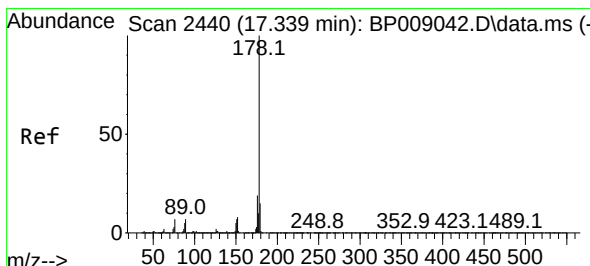
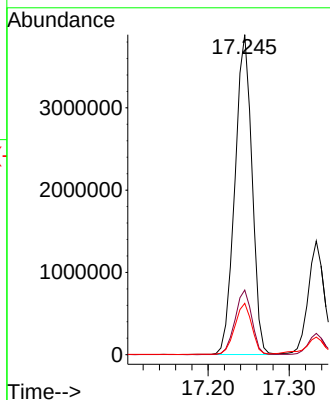
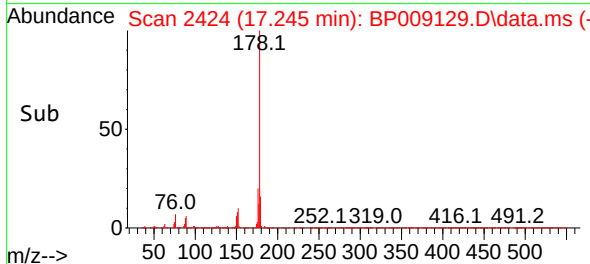
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



Tgt Ion:178 Resp: 566088
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.1 13.0 19.4

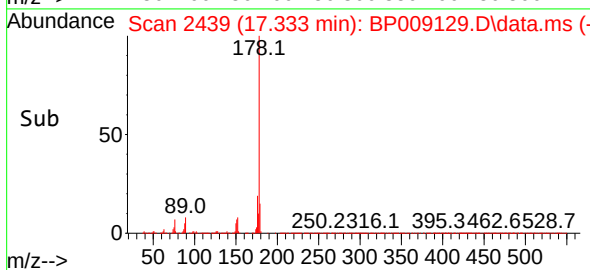
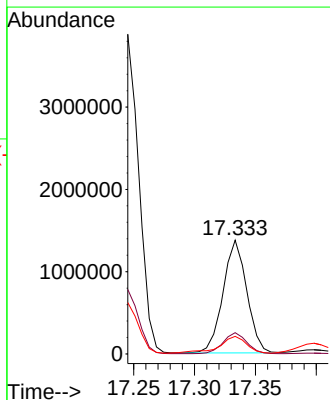
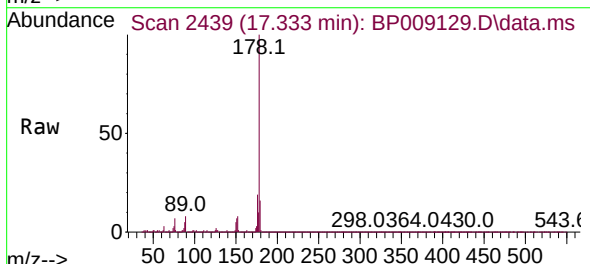
Manual Integrations
APPROVED

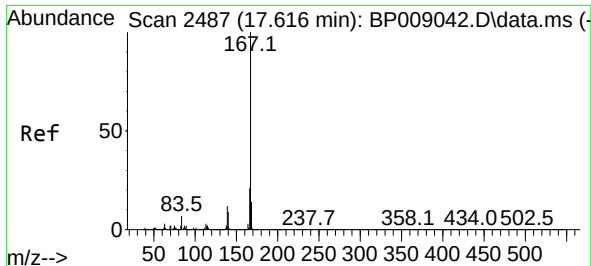
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#72
Anthracene
Concen: 19.856 ng
RT: 17.333 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Tgt Ion:178 Resp: 1862103
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.5 12.8 19.2





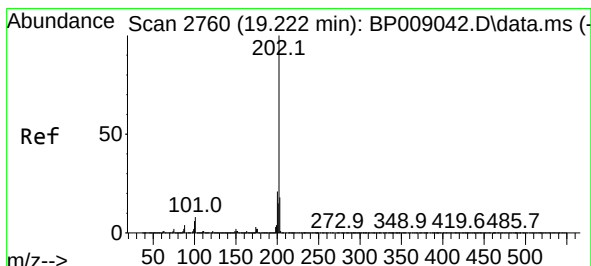
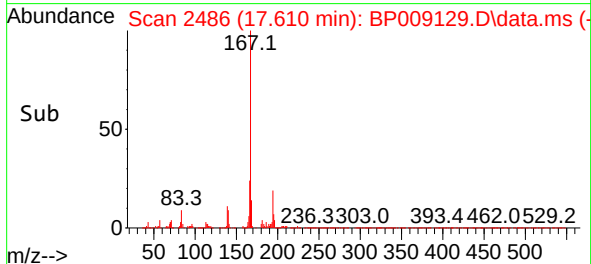
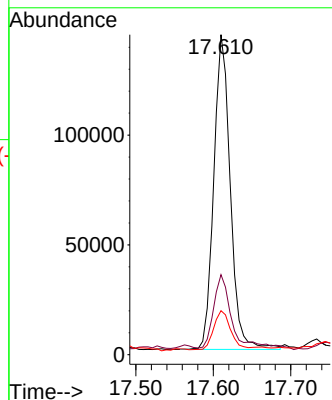
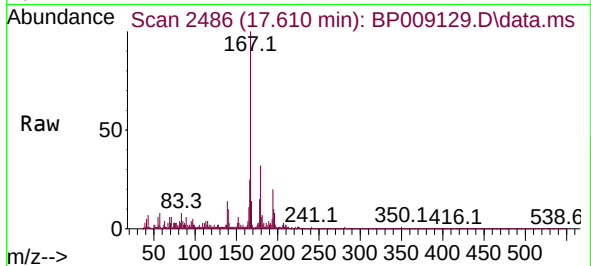
#73
 Carbazole
 Concen: 2.372 ng
 RT: 17.610 min Scan# 2487
 Delta R.T. -0.006 min
 Lab File: BP009129.D
 Acq: 12 Feb 2022 00:05

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-021022

Tgt Ion:167 Resp: 213218
 Ion Ratio Lower Upper
 167 100
 166 25.0 17.7 26.5
 139 13.7 9.8 14.6

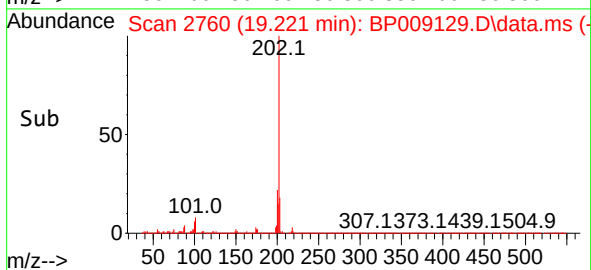
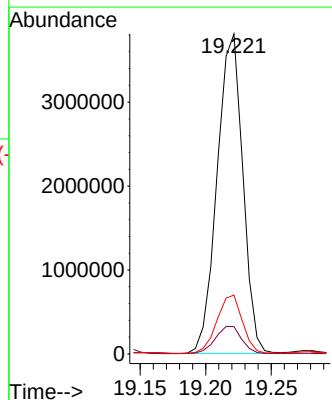
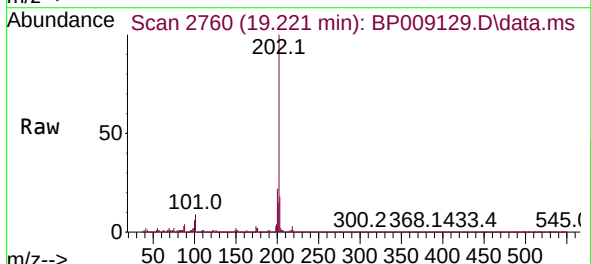
Manual Integrations
 APPROVED

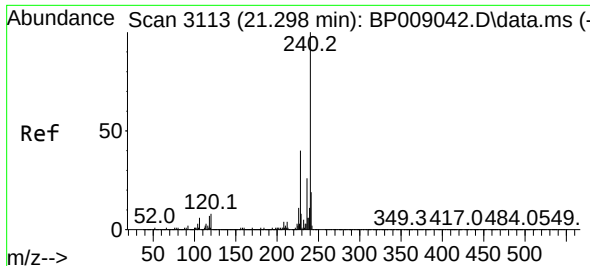
Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#75
 Fluoranthene
 Concen: 48.259 ng
 RT: 19.221 min Scan# 2760
 Delta R.T. -0.000 min
 Lab File: BP009129.D
 Acq: 12 Feb 2022 00:05

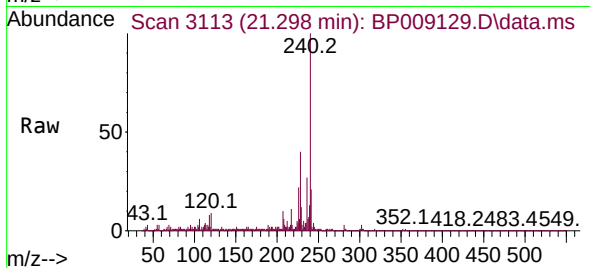
Tgt Ion:202 Resp: 5184476
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 30.7
 203 18.4 0.0 38.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.298 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

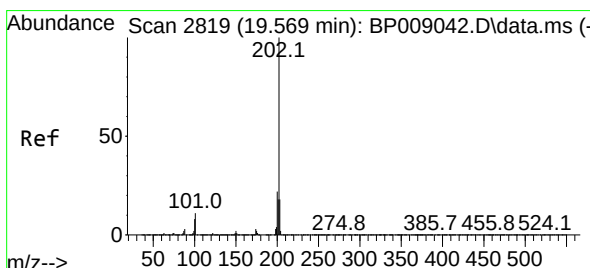
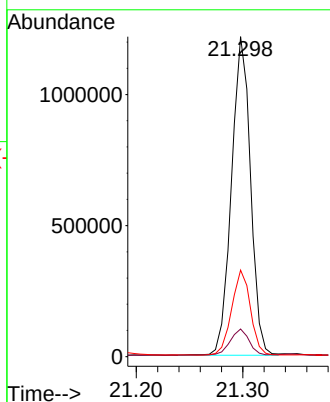
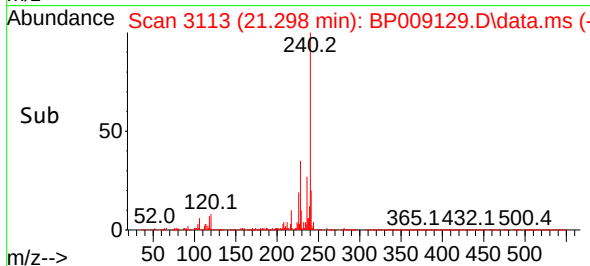
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



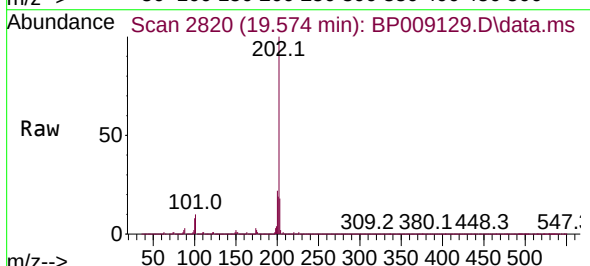
Tgt Ion:240 Resp: 1508672
Ion Ratio Lower Upper
240 100
120 8.6 7.7 11.5
236 27.1 21.2 31.8

Manual Integrations
APPROVED

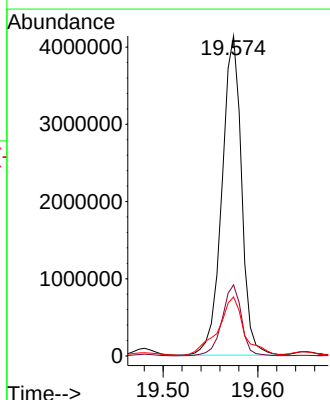
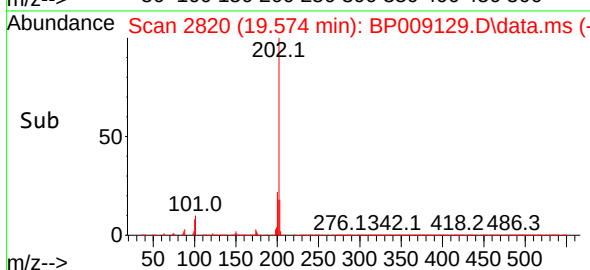
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

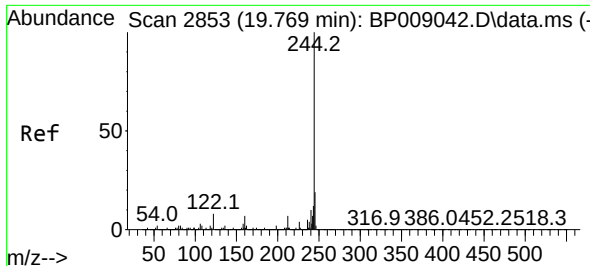


#78
Pyrene
Concen: 55.388 ng
RT: 19.574 min Scan# 2820
Delta R.T. 0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05



Tgt Ion:202 Resp: 5944357
Ion Ratio Lower Upper
202 100
200 22.2 18.0 27.0
203 18.5 15.0 22.6





#79
 Terphenyl-d14
 Concen: 28.739 ng
 RT: 19.763 min Scan# 21101
 Delta R.T. -0.006 min
 Lab File: BP009129.D
 Acq: 12 Feb 2022 00:05

Instrument :

BNA_P

ClientSampleId :

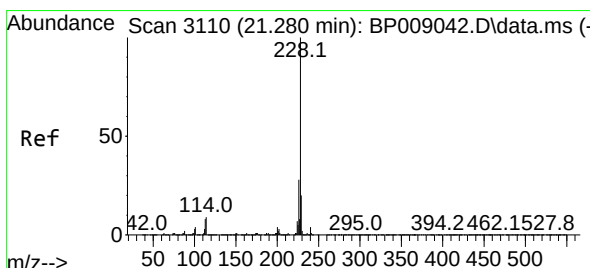
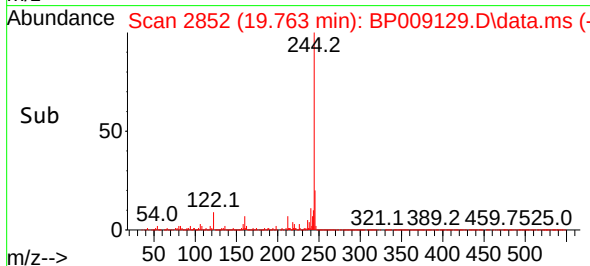
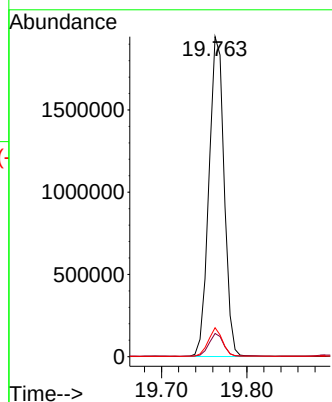
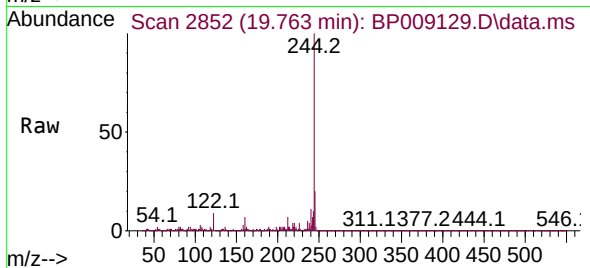
SU-03-021022

Tgt Ion:244 Resp: 241101
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.5 9.7
 122 9.0 9.2 13.8

Manual Integrations

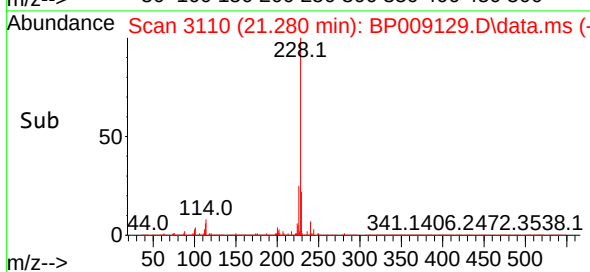
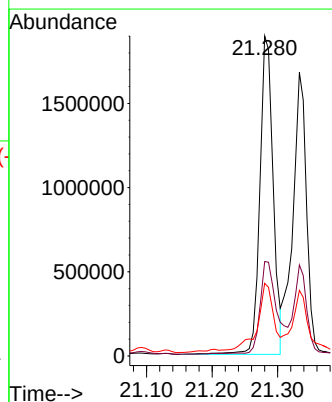
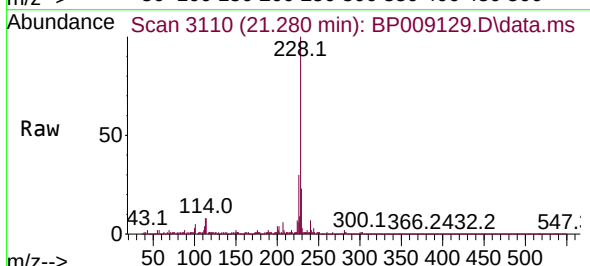
APPROVED

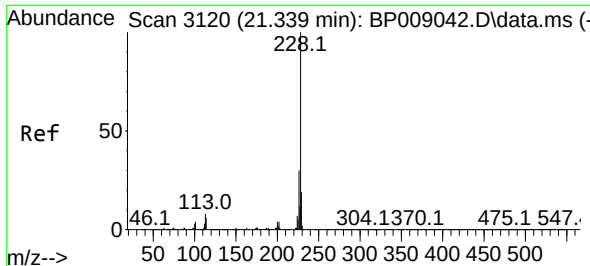
Reviewed By :Jagrut Upadhyay 02/14/2022
 Supervised By :mohammad ahmed 02/15/2022



#81
 Benzo(a)anthracene
 Concen: 27.314 ng
 RT: 21.280 min Scan# 3110
 Delta R.T. -0.000 min
 Lab File: BP009129.D
 Acq: 12 Feb 2022 00:05

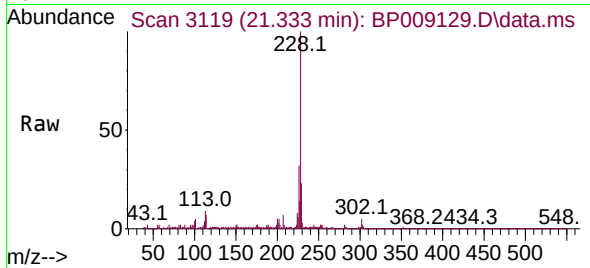
Tgt Ion:228 Resp: 2655520
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.3 34.9
 229 22.7 17.0 25.6





#83
Chrysene
Concen: 25.860 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

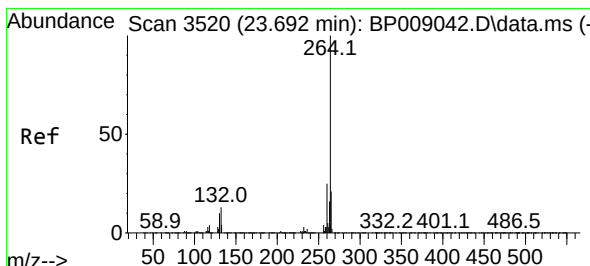
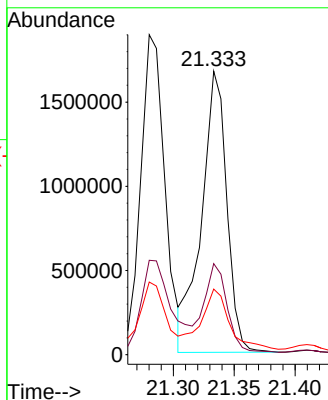
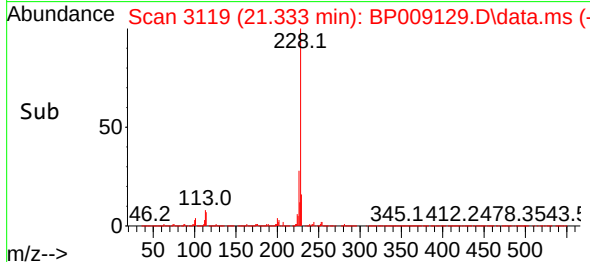
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



Tgt Ion:228 Resp: 2423724
Ion Ratio Lower Upper
228 100
226 32.2 26.0 39.0
229 23.1 16.9 25.3

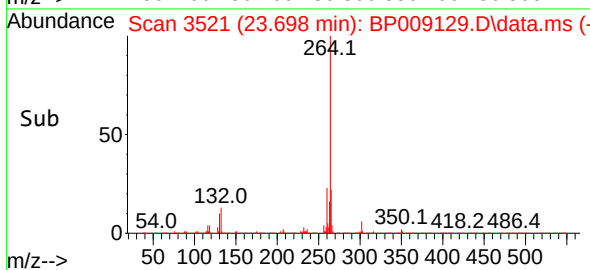
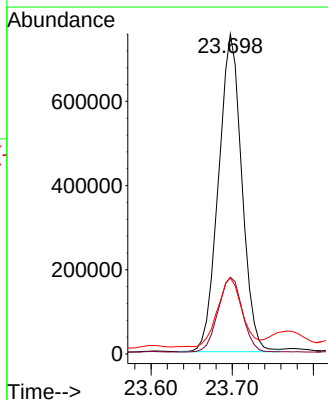
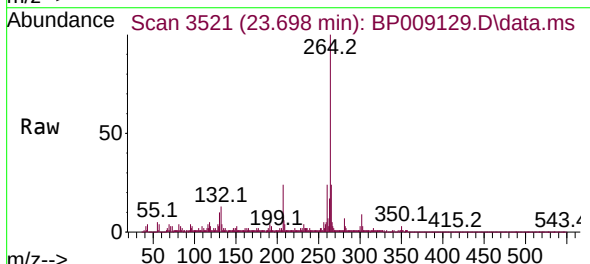
Manual Integrations
APPROVED

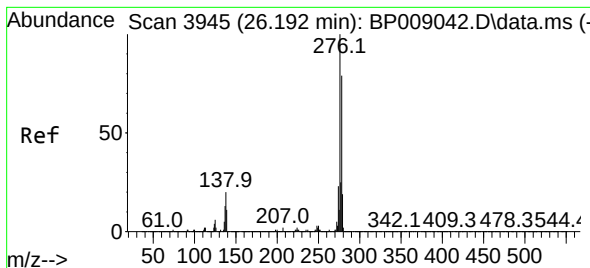
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.698 min Scan# 3521
Delta R.T. 0.006 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Tgt Ion:264 Resp: 1505667
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 23.8 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.596 ng

RT: 26.203 min Scan# 3947

Delta R.T. 0.012 min

Lab File: BP009129.D

Acq: 12 Feb 2022 00:05

Instrument :

BNA_P

ClientSampleId :

SU-03-021022

Tgt Ion:276 Resp: 1185370

Ion Ratio Lower Upper

276 100

138 15.5 17.8 26.6

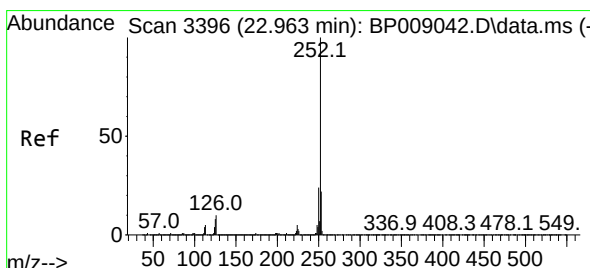
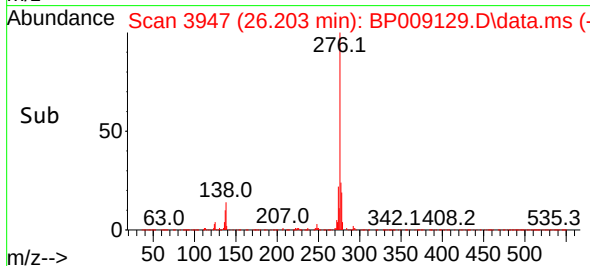
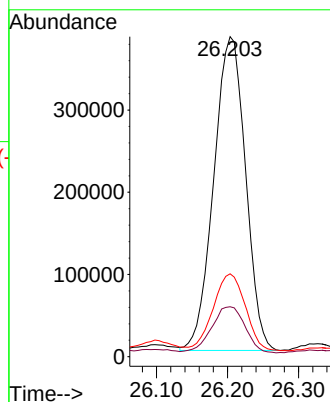
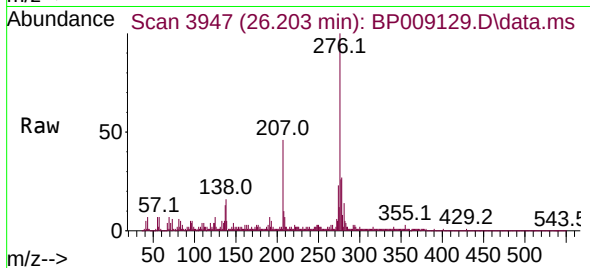
277 24.8 20.4 30.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022

Supervised By :mohammad ahmed 02/15/2022



#88

Benzo(b)fluoranthene

Concen: 27.882 ng m

RT: 22.968 min Scan# 3397

Delta R.T. 0.006 min

Lab File: BP009129.D

Acq: 12 Feb 2022 00:05

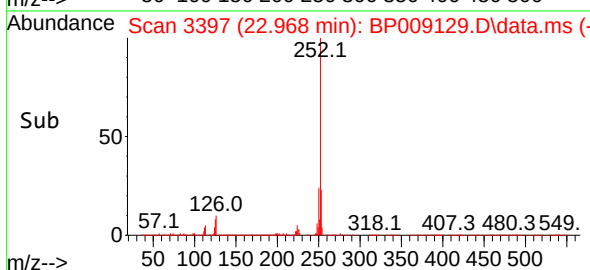
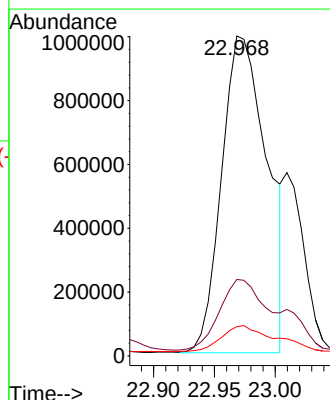
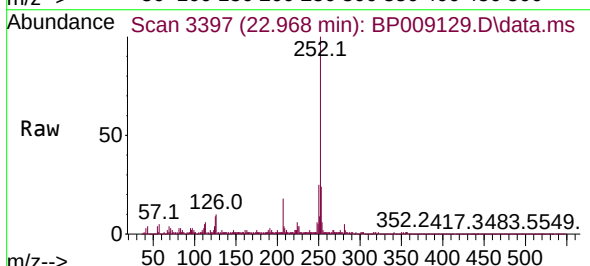
Tgt Ion:252 Resp: 2584436

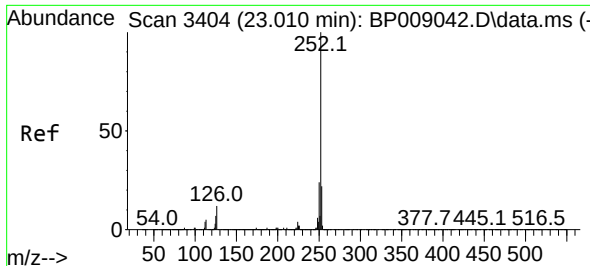
Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

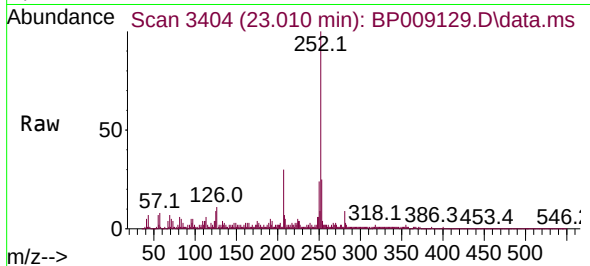
125 9.2 6.9 10.3





#89
Benzo(k)fluoranthene
Concen: 7.123 ng m
RT: 23.010 min Scan# 3404
Delta R.T. -0.000 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

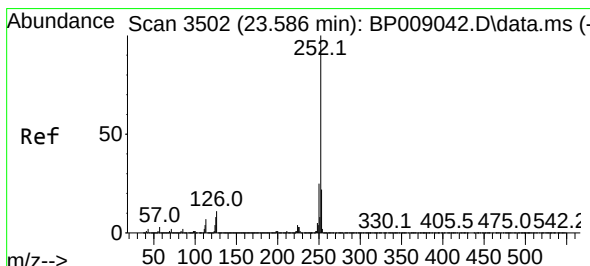
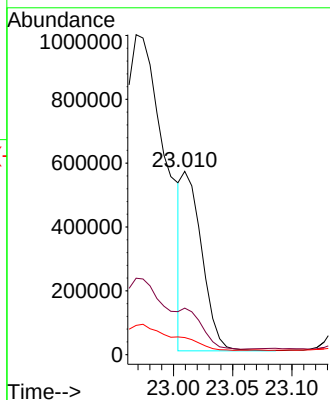
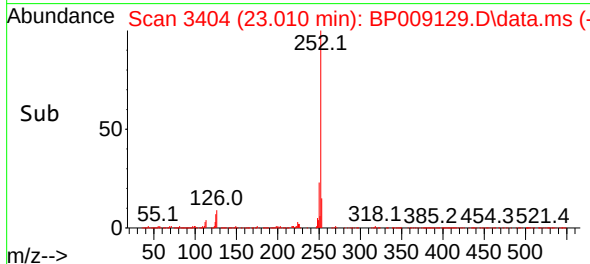
Instrument :
BNA_P
ClientSampleId :
SU-03-021022



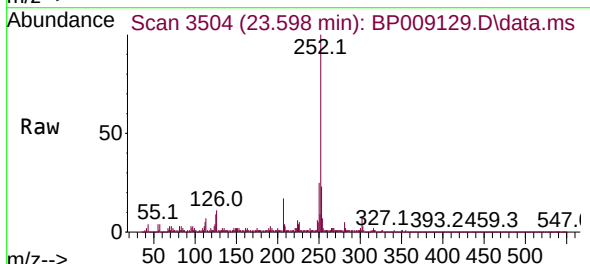
Tgt Ion:252 Resp: 65872
Ion Ratio Lower Upper
252 100
253 25.4 18.2 27.2
125 9.3 7.3 10.9

Manual Integrations
APPROVED

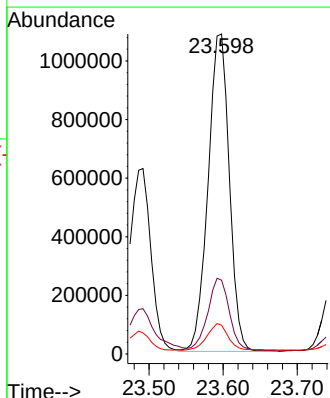
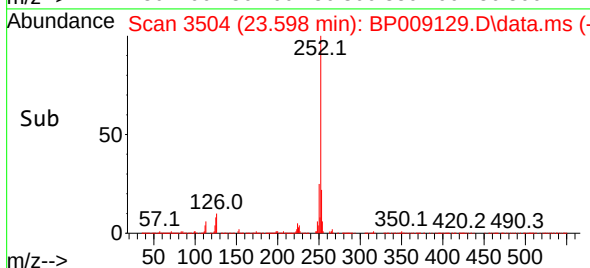
Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022

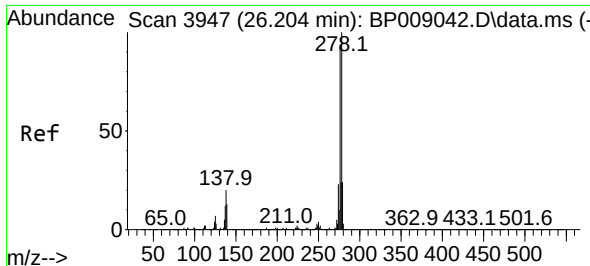


#90
Benzo(a)pyrene
Concen: 27.864 ng
RT: 23.598 min Scan# 3504
Delta R.T. 0.012 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05



Tgt Ion:252 Resp: 2153333
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 9.0 7.8 11.6





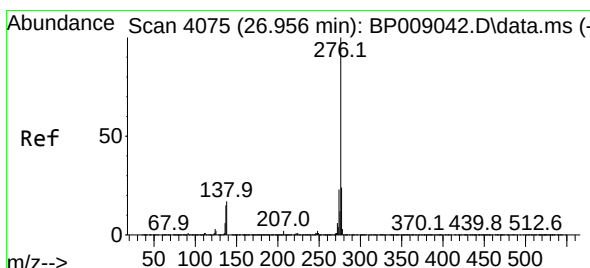
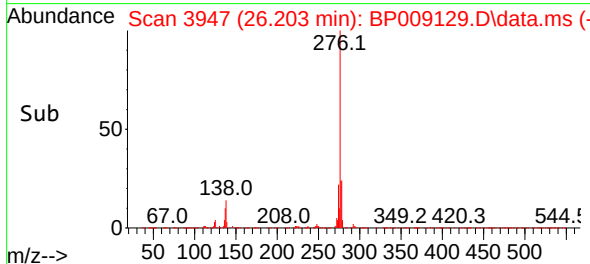
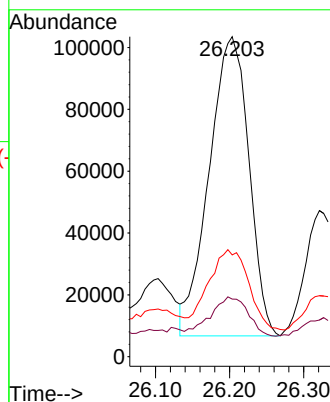
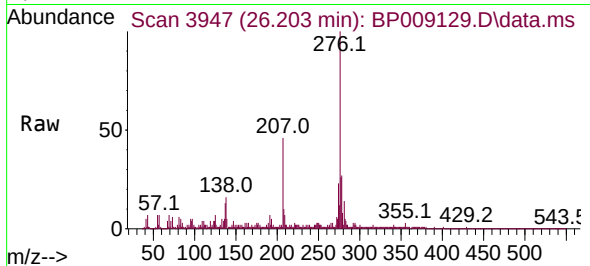
#91
Dibenzo(a,h)anthracene
Concen: 3.926 ng
RT: 26.203 min Scan# 3947
Delta R.T. -0.000 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Instrument :
BNA_P
ClientSampleId :
SU-03-021022

Tgt Ion:278 Resp: 360929
Ion Ratio Lower Upper
278 100
139 18.0 11.5 17.3
279 31.8 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/14/2022
Supervised By :mohammad ahmed 02/15/2022



#92
Benzo(g,h,i)perylene
Concen: 13.047 ng
RT: 26.980 min Scan# 4079
Delta R.T. 0.023 min
Lab File: BP009129.D
Acq: 12 Feb 2022 00:05

Tgt Ion:276 Resp: 1194265
Ion Ratio Lower Upper
276 100
277 25.1 19.2 28.8
138 15.6 15.0 22.4

