

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060622\
 Data File : BP010703.D
 Acq On : 06 Jun 2022 15:07
 Operator : CG/JU
 Sample : N3159-01DL 100X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PT-1-060122DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/07/2022
 Supervised By : Jagrut Upadhyay 06/07/2022

Quant Time: Jun 06 15:46:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 06 15:39:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	100060	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	416136	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	264968	20.000	ng	0.00
64) Phenanthrene-d10	17.245	188	587073	20.000	ng	0.00
76) Chrysene-d12	21.339	240	698196	20.000	ng	0.00
86) Perylene-d12	23.751	264	794398	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	5180	0.944	ng	0.00
7) Phenol-d6	7.034	99	6437	0.827	ng	0.00
23) Nitrobenzene-d5	9.022	82	4315	0.490	ng	0.01
42) 2,4,6-Tribromophenol	15.992	330	2793	0.931	ng	0.01
45) 2-Fluorobiphenyl	13.110	172	10349	0.554	ng	0.00
79) Terphenyl-d14	19.804	244	21084	0.567	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.698	128	227684	10.386	ng	99
37) 2-Methylnaphthalene	12.310	142	40466	2.645	ng	100
52) Acenaphthene	14.551	154	214833	14.665	ng	97
55) Dibenzofuran	14.886	168	140486	6.064	ng	99
58) Fluorene	15.539	166	210328	11.106	ng	99
71) Phenanthrene	17.286	178	1796013	55.786	ng	100
72) Anthracene	17.380	178	542159	17.586	ng	100
73) Carbazole	17.651	167	249062	9.506	ng	99
75) Fluoranthene	19.263	202	2310588	66.077	ng	99
78) Pyrene	19.610	202	1898569	39.019	ng	99
81) Benzo(a)anthracene	21.321	228	1145312	25.002	ng	98
83) Chrysene	21.374	228	944834	21.028	ng	98
87) Indeno(1,2,3-cd)pyrene	26.256	276	612858	10.583	ng	# 96
88) Benzo(b)fluoranthene	23.015	252	1323929	26.470	ng	99
89) Benzo(k)fluoranthene	23.056	252	475982m	9.388	ng	
90) Benzo(a)pyrene	23.639	252	1029373	24.881	ng	96
91) Dibenzo(a,h)anthracene	26.256	278	159871m	3.301	ng	
92) Benzo(g,h,i)perylene	27.027	276	573938	11.919	ng	95

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

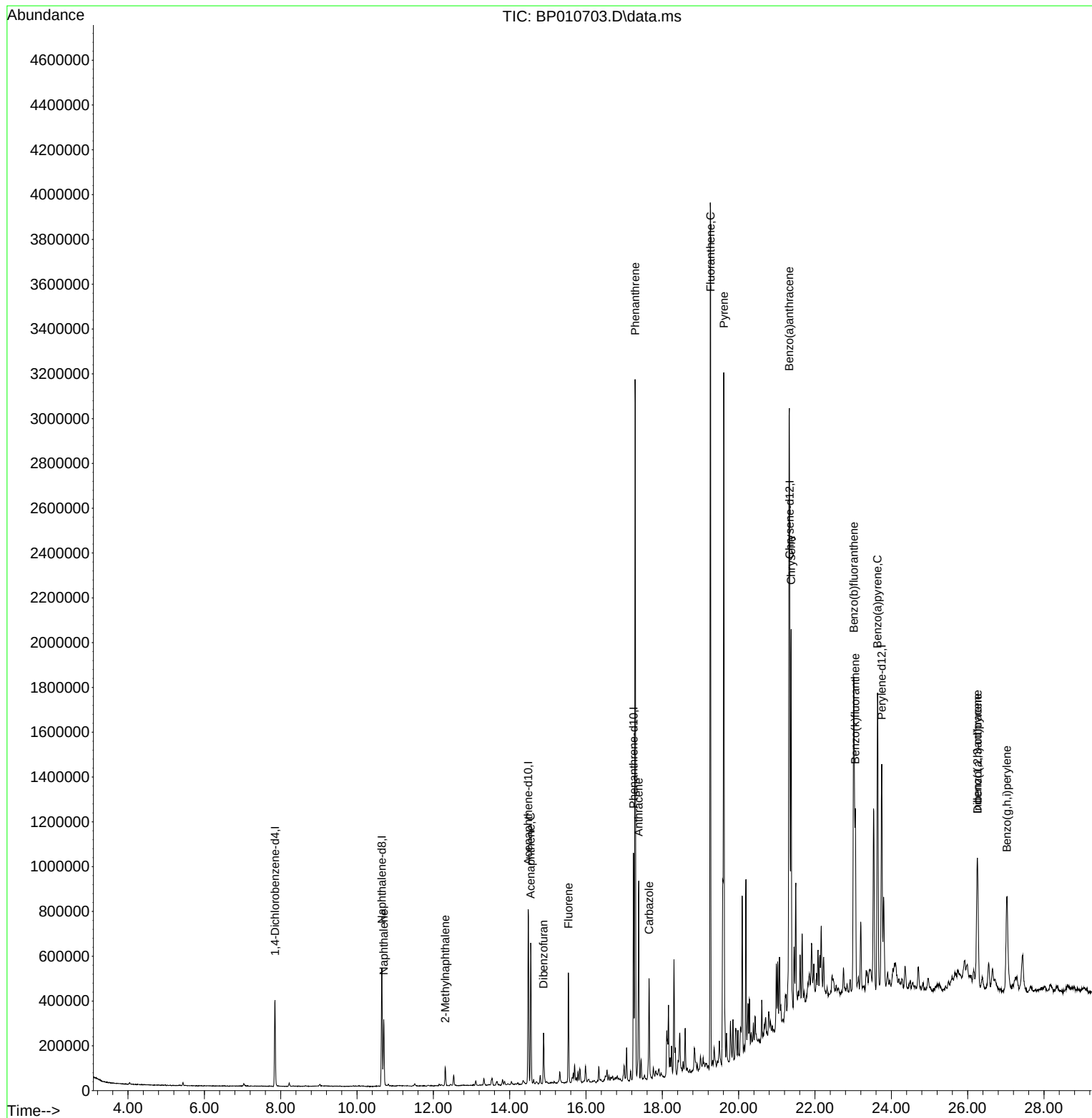
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP060622\
Data File : BP010703.D
Acq On : 06 Jun 2022 15:07
Operator : CG/JU
Sample : N3159-01DL 100X
Misc :
ALS Vial : 4 Sample Multiplier: 1

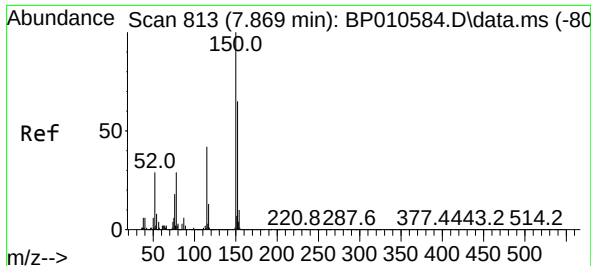
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 06/07/2022
Supervised By : Jagrut Upadhyay 06/07/2022

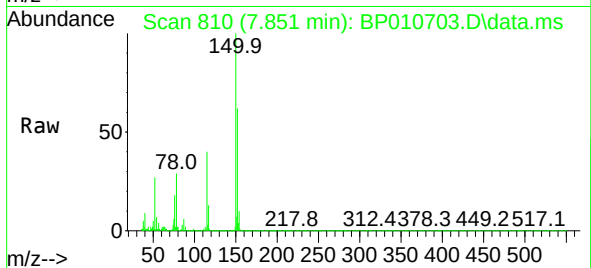
Quant Time: Jun 06 15:46:09 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP052822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 06 15:39:44 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 813
Delta R.T. -0.001 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

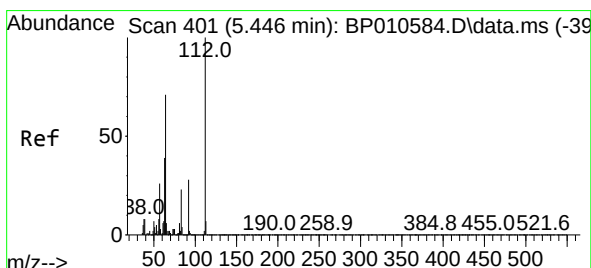
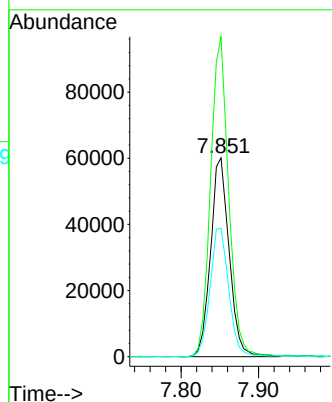
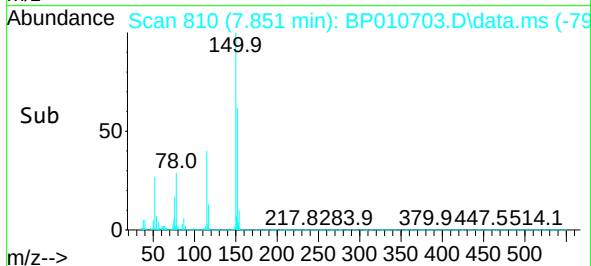
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



Tgt Ion:152 Resp: 100060
Ion Ratio Lower Upper
152 100
150 160.9 123.4 185.2
115 64.6 51.3 76.9

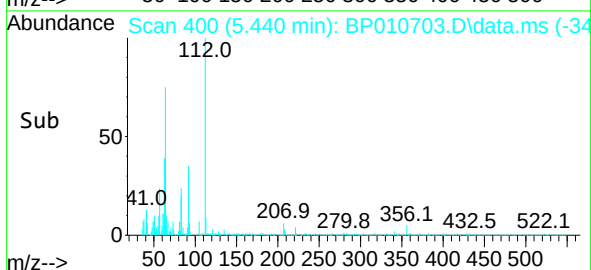
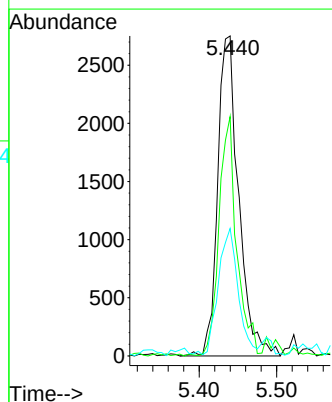
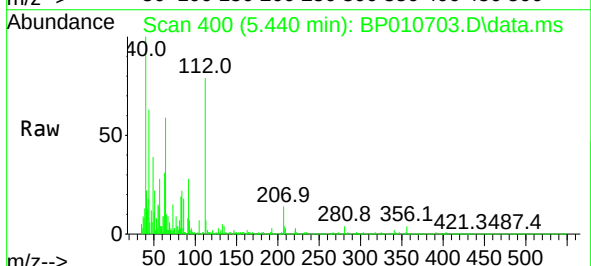
Manual Integrations
APPROVED

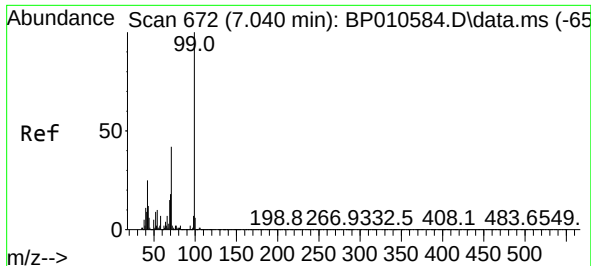
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#5
2-Fluorophenol
Concen: 0.944 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

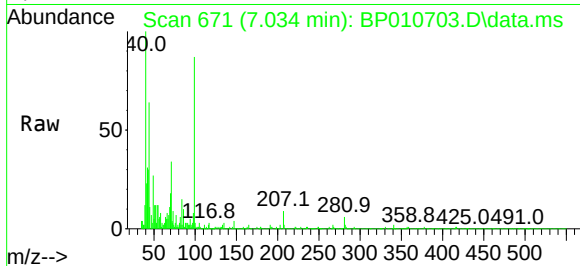
Tgt Ion:112 Resp: 5180
Ion Ratio Lower Upper
112 100
64 74.8 56.9 85.3
63 39.8 31.2 46.8





#7
Phenol-d6
Concen: 0.827 ng
RT: 7.034 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

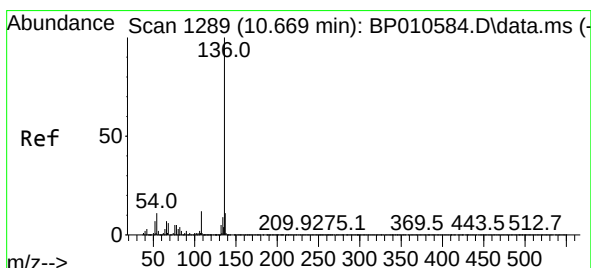
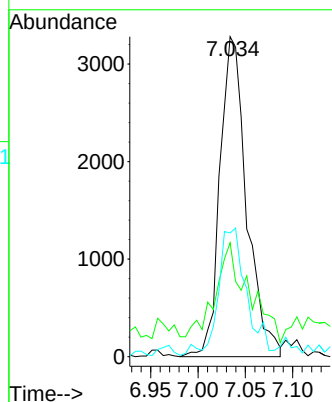
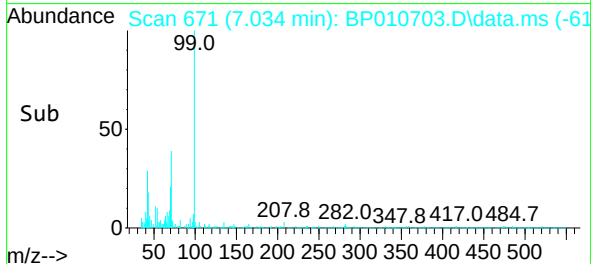
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



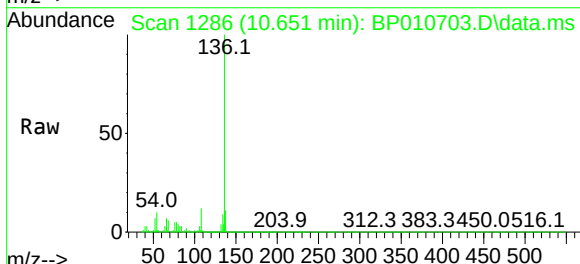
Tgt Ion: 99 Resp: 643
Ion Ratio Lower Upper
99 100
42 35.6 20.3 30.5
71 38.7 33.9 50.9

Manual Integrations
APPROVED

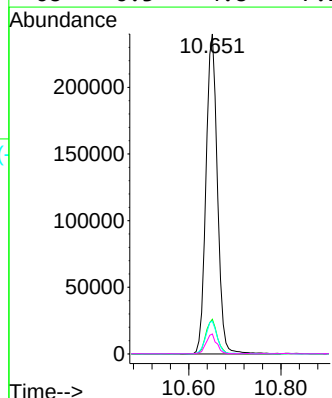
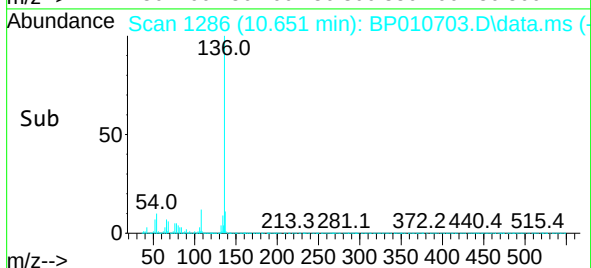
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

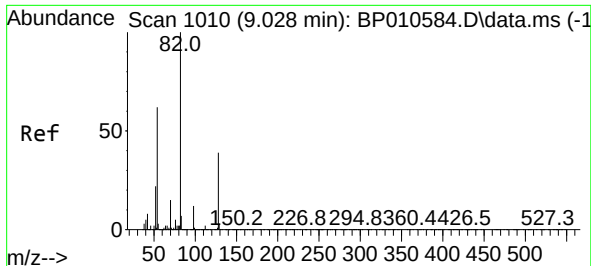


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07



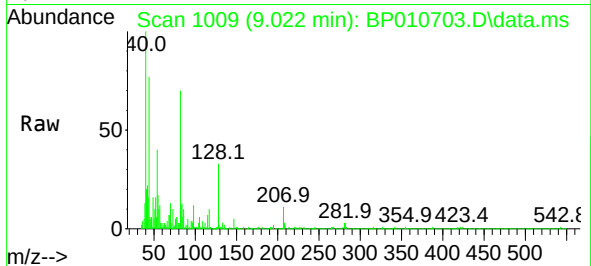
Tgt Ion:136 Resp: 416136
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 10.2 8.7 13.1
68 6.3 4.8 7.2





#23
Nitrobenzene-d5
Concen: 0.490 ng
RT: 9.022 min Scan# 1010
Delta R.T. 0.011 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

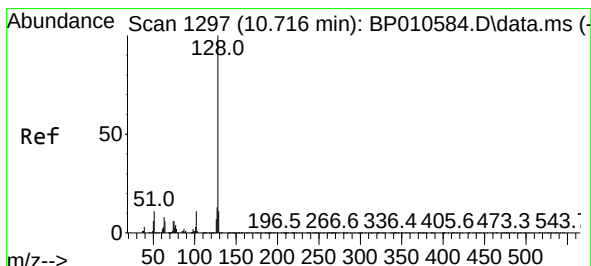
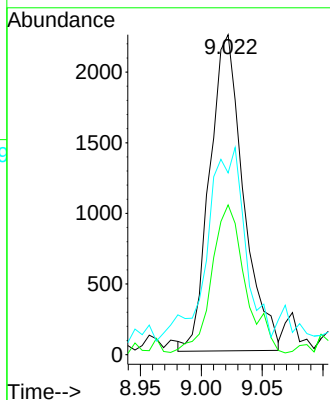
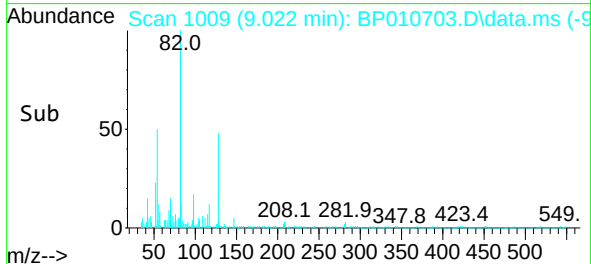
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



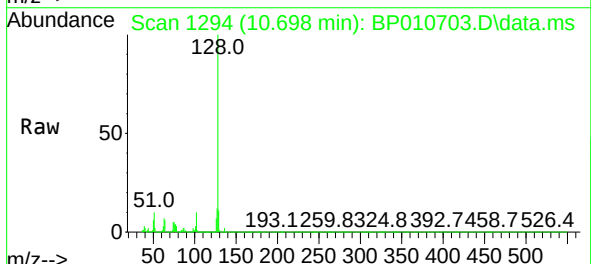
Tgt Ion: 82 Resp: 431
Ion Ratio Lower Upper
82 100
128 46.8 31.3 46.9
54 56.8 49.8 74.8

Manual Integrations
APPROVED

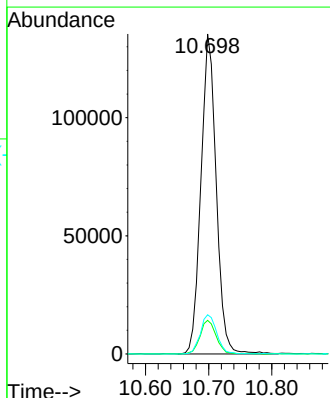
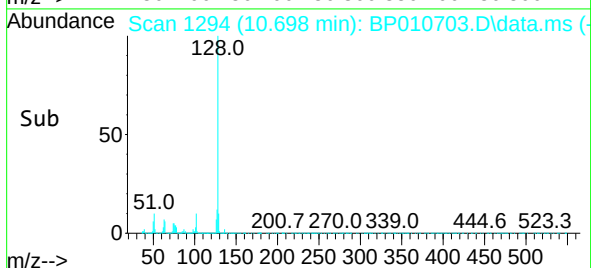
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

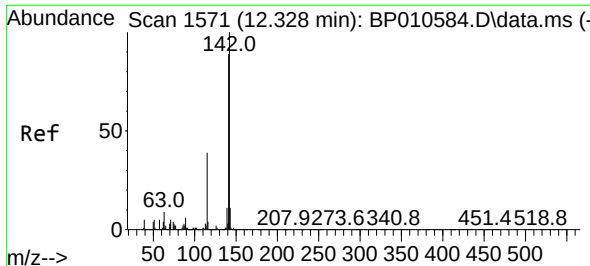


#31
Naphthalene
Concen: 10.386 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07



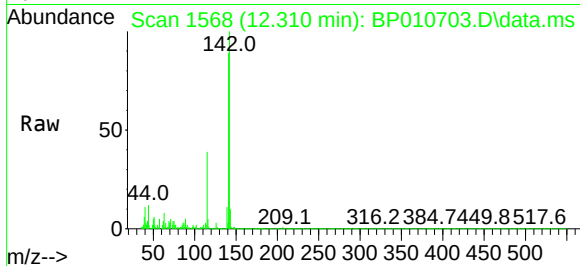
Tgt Ion:128 Resp: 227684
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 12.3 10.3 15.5





#37
2-Methylnaphthalene
Concen: 2.645 ng
RT: 12.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

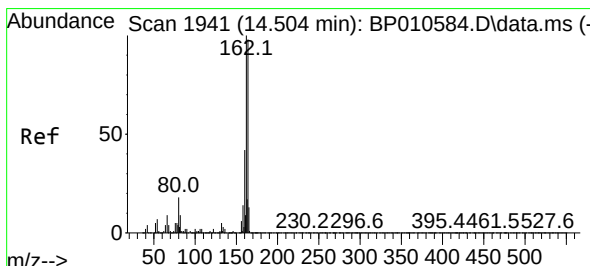
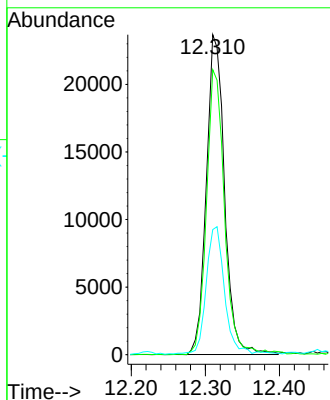
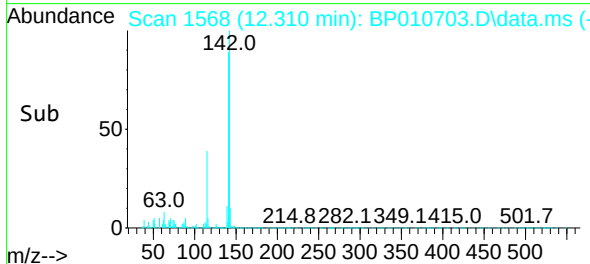
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



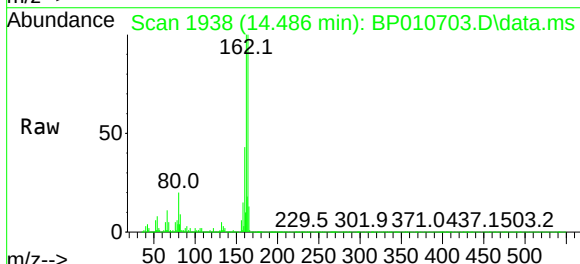
Tgt Ion:142 Resp: 40460
Ion Ratio Lower Upper
142 100
141 89.1 71.3 106.9
115 39.1 31.4 47.2

Manual Integrations
APPROVED

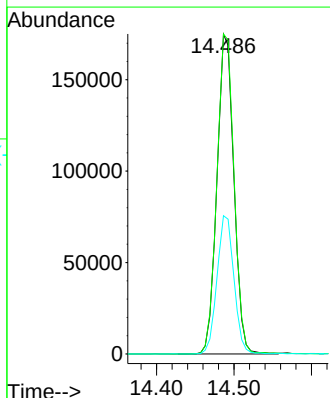
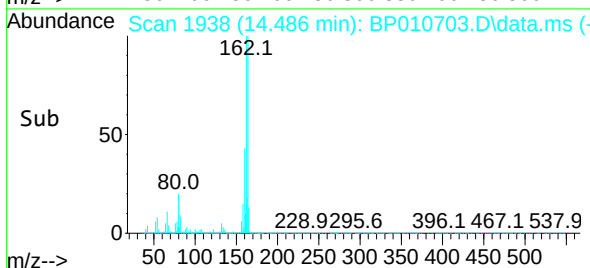
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

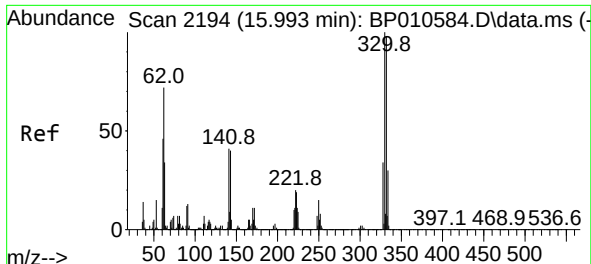


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07



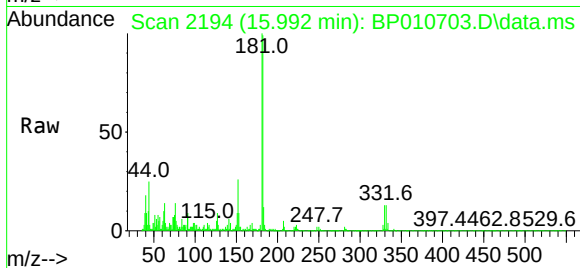
Tgt Ion:164 Resp: 264968
Ion Ratio Lower Upper
164 100
162 100.1 81.9 122.9
160 43.2 34.6 51.8





#42
2,4,6-Tribromophenol
Concen: 0.931 ng
RT: 15.992 min Scan# 2194
Delta R.T. 0.011 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

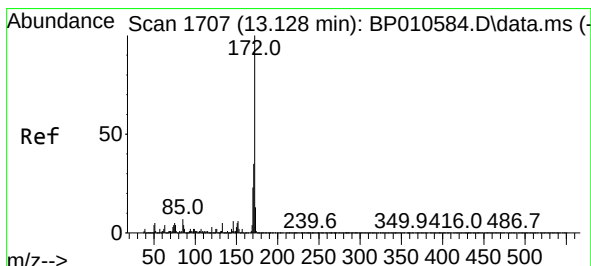
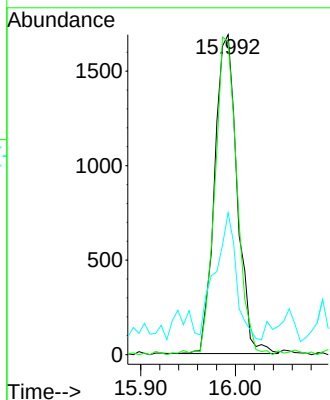
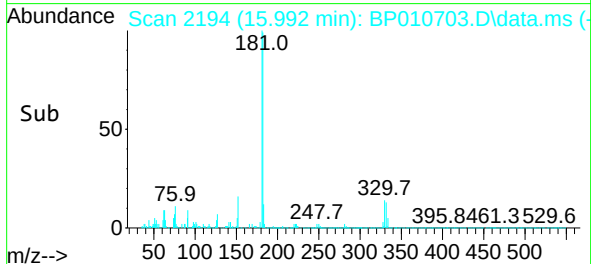
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



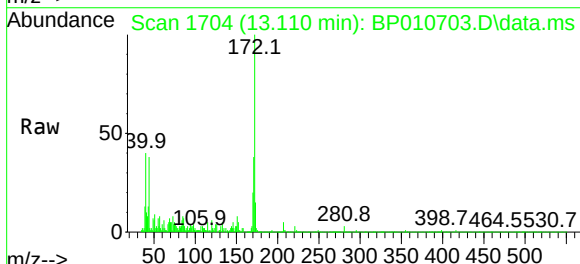
Tgt Ion: 330 Resp: 279
Ion Ratio Lower Upper
330 100
332 97.5 78.1 117.1
141 39.0 31.4 47.2

Manual Integrations
APPROVED

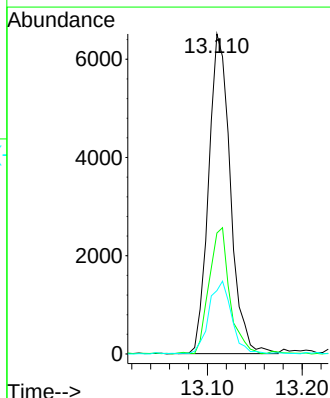
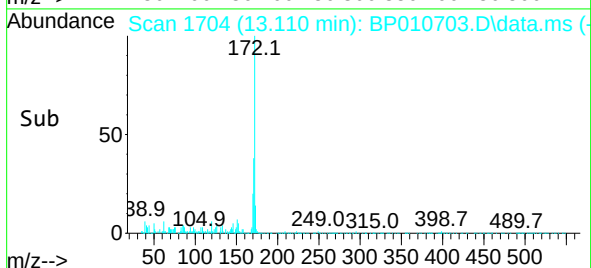
Reviewed By : Christian Giraldo 06/07/2022
Supervised By : Jagrut Upadhyay 06/07/2022

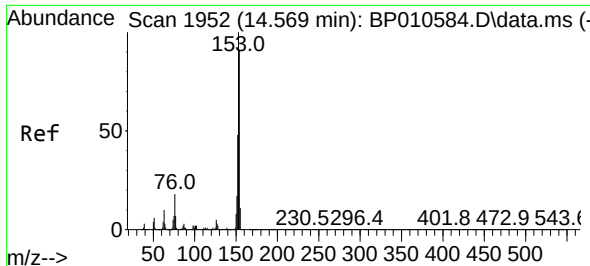


#45
2-Fluorobiphenyl
Concen: 0.554 ng
RT: 13.110 min Scan# 1704
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07



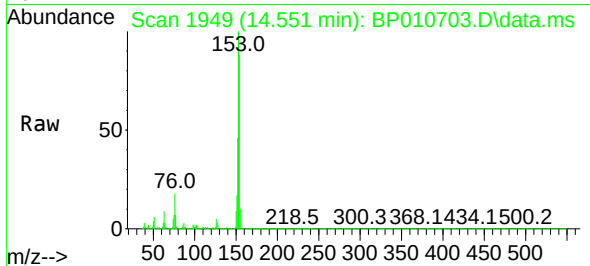
Tgt Ion: 172 Resp: 10349
Ion Ratio Lower Upper
172 100
171 37.8 27.9 41.9
170 19.8 18.2 27.2





#52
Acenaphthene
Concen: 14.665 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

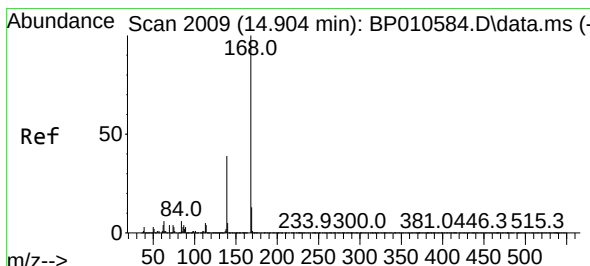
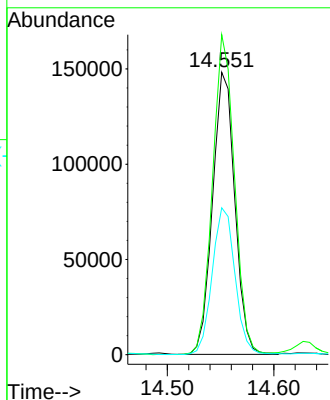
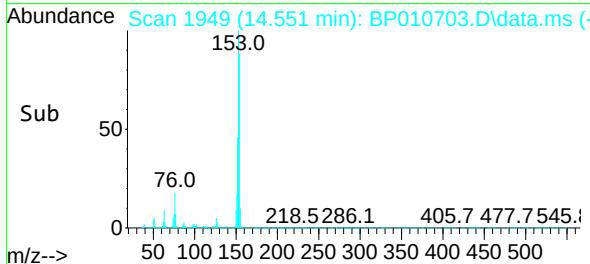
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



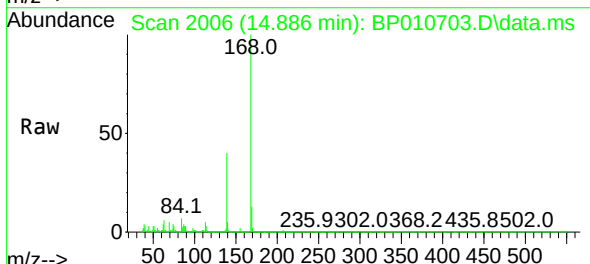
Tgt Ion:154 Resp: 21483
Ion Ratio Lower Upper
154 100
153 113.3 87.4 131.2
152 52.0 41.7 62.5

Manual Integrations
APPROVED

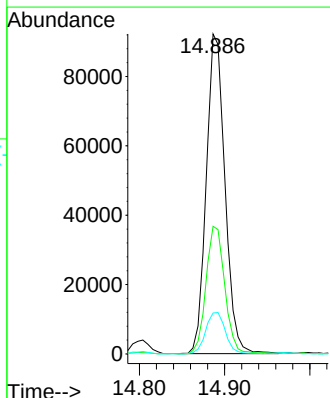
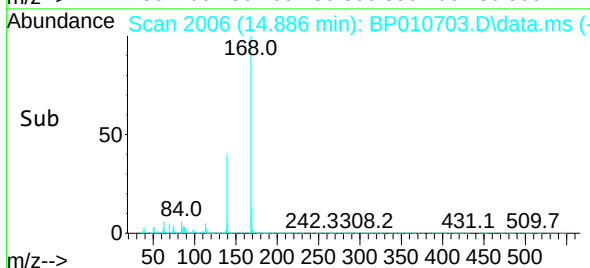
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

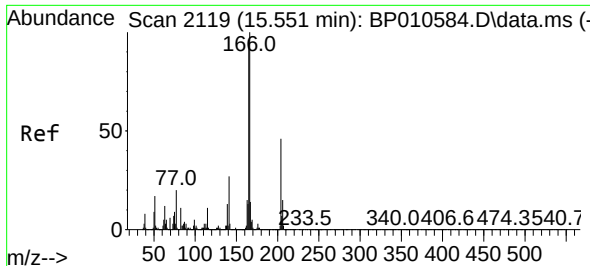


#55
Dibenzofuran
Concen: 6.064 ng
RT: 14.886 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07



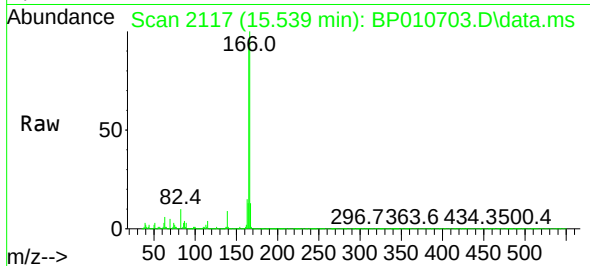
Tgt Ion:168 Resp: 140486
Ion Ratio Lower Upper
168 100
139 39.9 31.5 47.3
169 12.8 10.3 15.5





#58
Fluorene
Concen: 11.106 ng
RT: 15.539 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

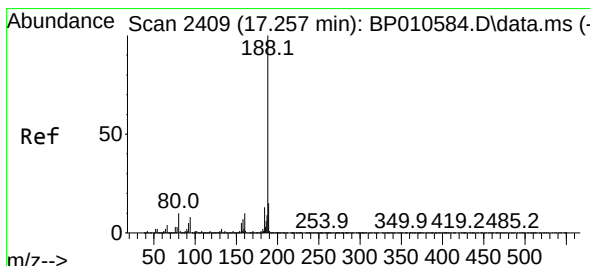
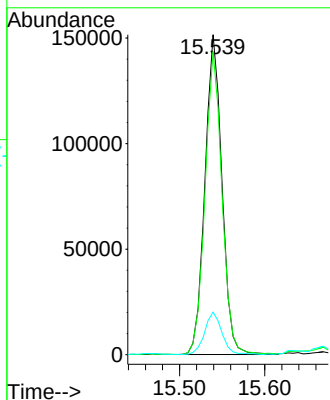
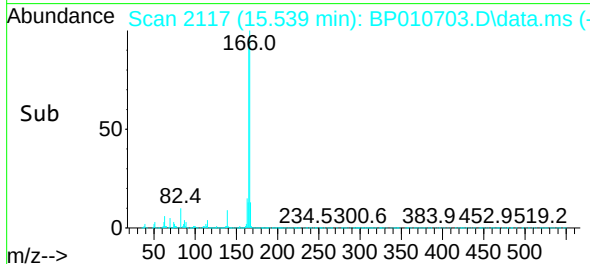
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



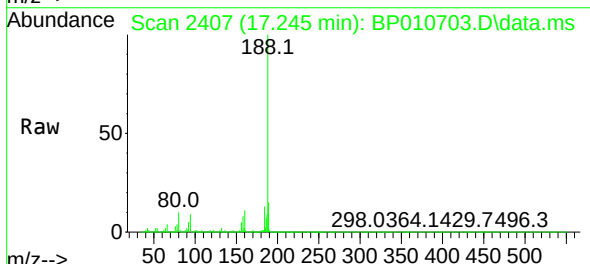
Tgt Ion:166 Resp: 210328
Ion Ratio Lower Upper
166 100
165 94.7 77.0 115.4
167 13.3 10.9 16.3

Manual Integrations
APPROVED

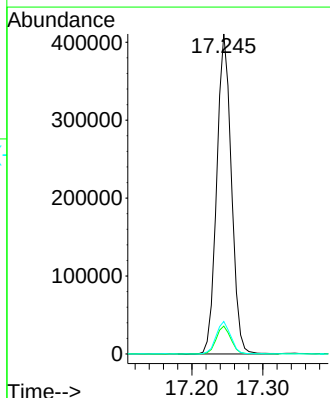
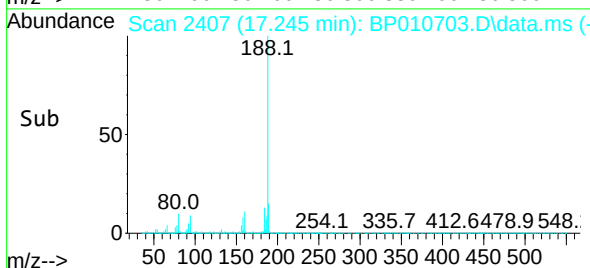
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

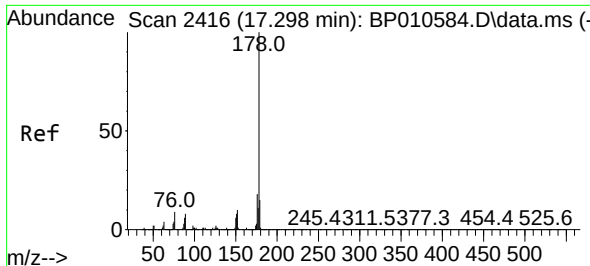


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.245 min Scan# 2407
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07



Tgt Ion:188 Resp: 587073
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 10.2 8.0 12.0





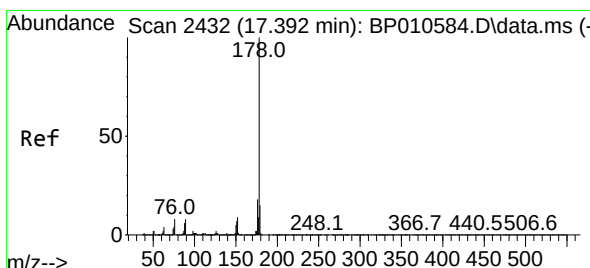
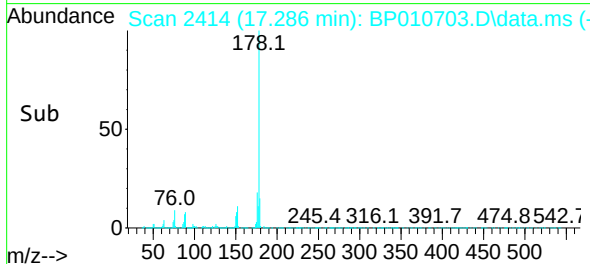
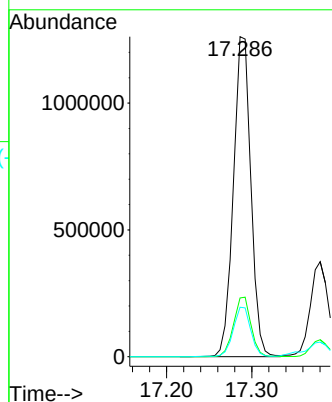
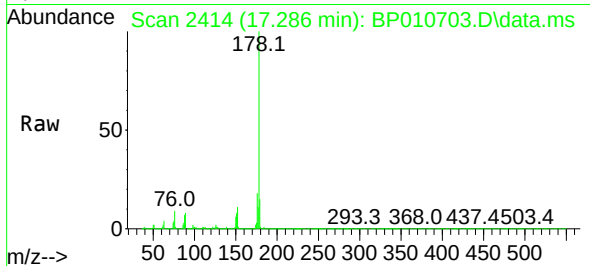
#71
Phenanthrene
Concen: 55.786 ng
RT: 17.286 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL

Tgt Ion:178 Resp: 1796011
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.4 12.2 18.2

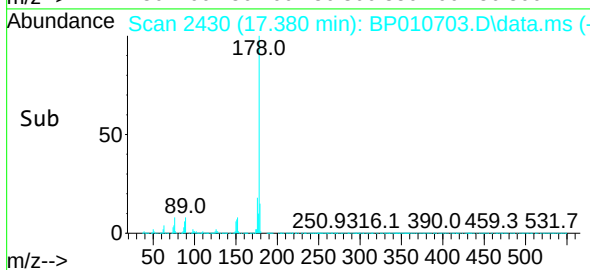
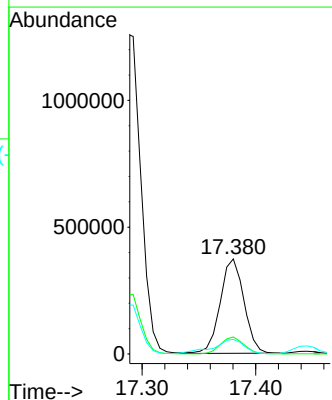
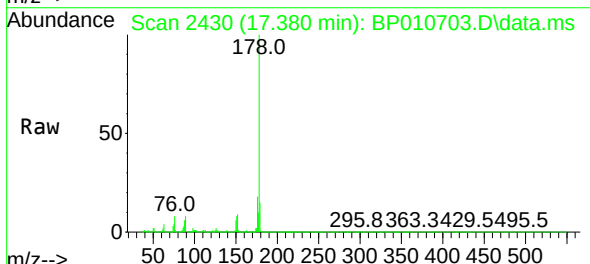
Manual Integrations
APPROVED

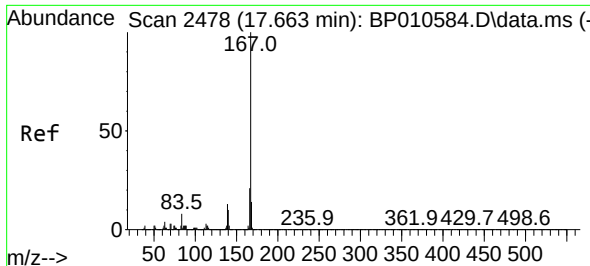
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#72
Anthracene
Concen: 17.586 ng
RT: 17.380 min Scan# 2430
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

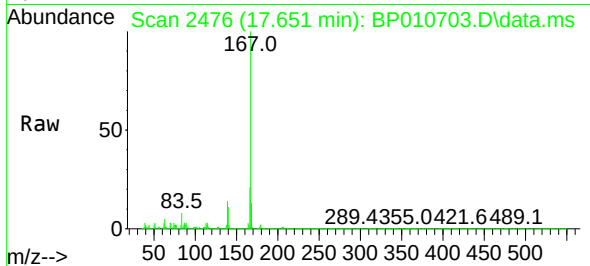
Tgt Ion:178 Resp: 542159
Ion Ratio Lower Upper
178 100
176 17.9 14.5 21.7
179 15.4 12.2 18.4





#73
 Carbazole
 Concen: 9.506 ng
 RT: 17.651 min Scan# 2476
 Delta R.T. -0.000 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07

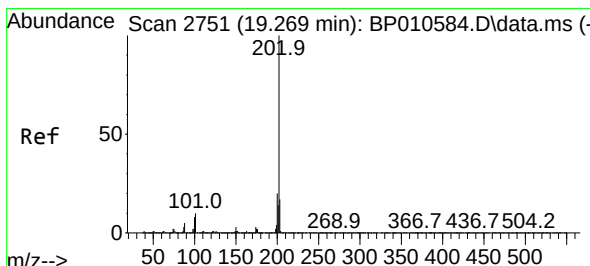
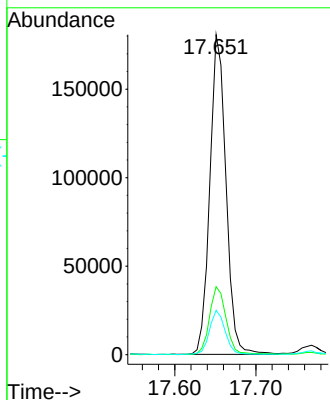
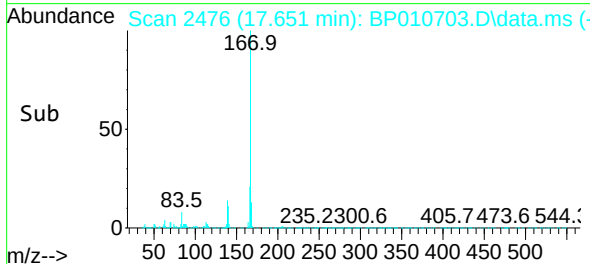
Instrument :
 BNA_P
 ClientSampleId :
 PT-1-060122DL



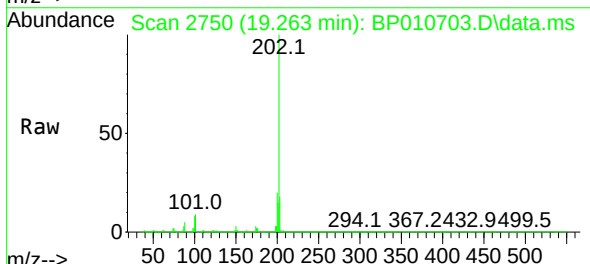
Tgt Ion:167 Resp: 249062
 Ion Ratio Lower Upper
 167 100
 166 21.2 16.9 25.3
 139 13.8 10.6 15.8

Manual Integrations
 APPROVED

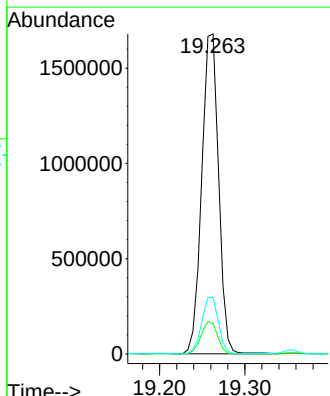
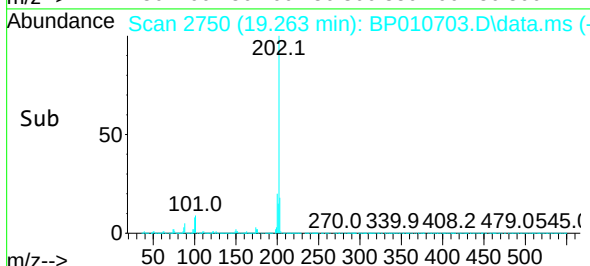
Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022

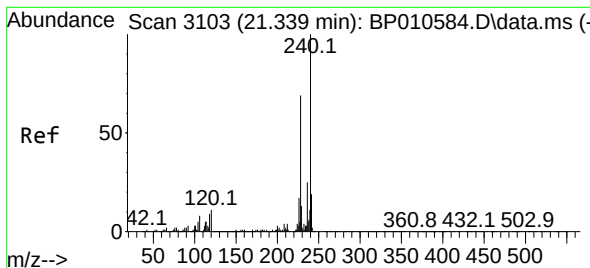


#75
 Fluoranthene
 Concen: 66.077 ng
 RT: 19.263 min Scan# 2750
 Delta R.T. 0.011 min
 Lab File: BP010703.D
 Acq: 06 Jun 2022 15:07



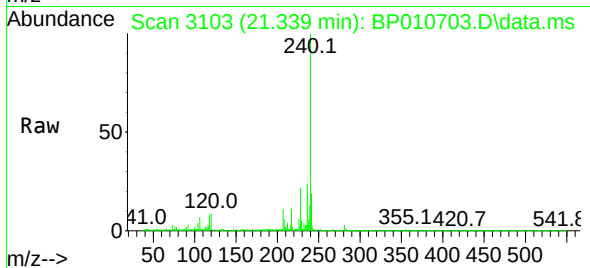
Tgt Ion:202 Resp: 2310588
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 29.6
 203 17.7 0.0 36.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.339 min Scan# 3103
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

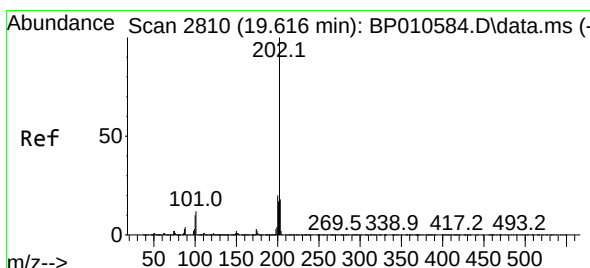
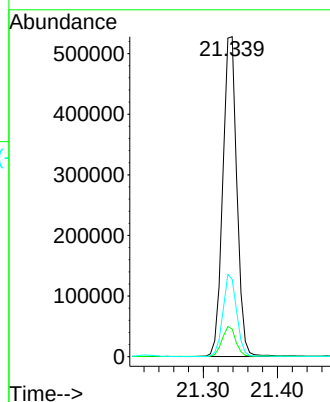
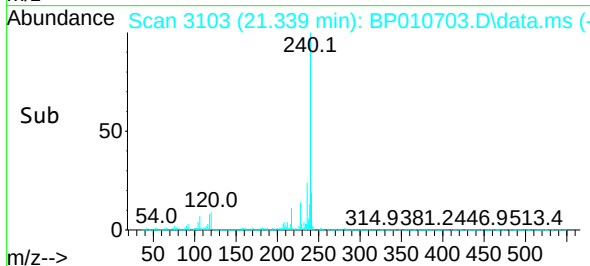
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



Tgt Ion:240 Resp: 698190
Ion Ratio Lower Upper
240 100
120 8.6 8.6 12.8
236 24.1 19.8 29.6

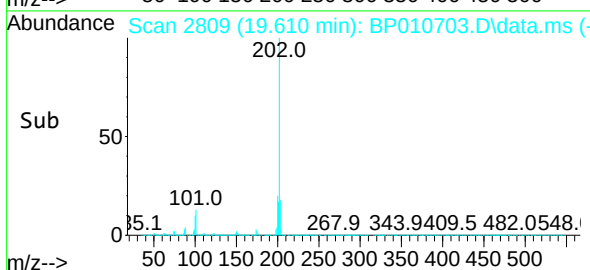
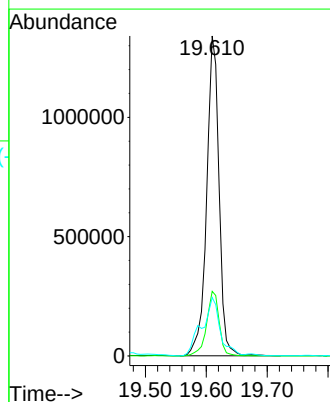
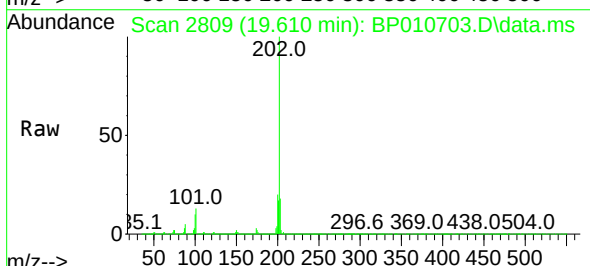
Manual Integrations
APPROVED

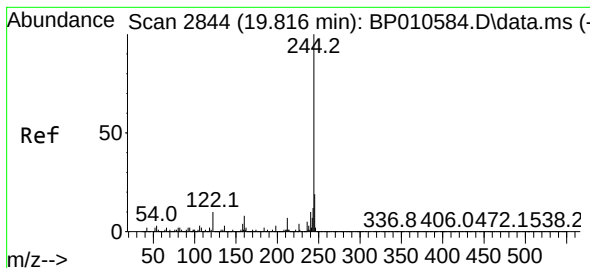
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#78
Pyrene
Concen: 39.019 ng
RT: 19.610 min Scan# 2809
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:202 Resp: 1898569
Ion Ratio Lower Upper
202 100
200 20.2 16.3 24.5
203 18.3 14.2 21.4





#79

Terphenyl-d14

Concen: 0.567 ng

RT: 19.804 min Scan# 21084

Delta R.T. -0.000 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

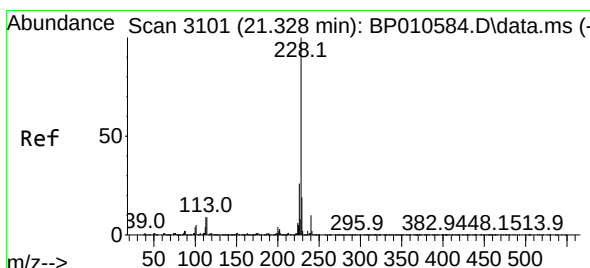
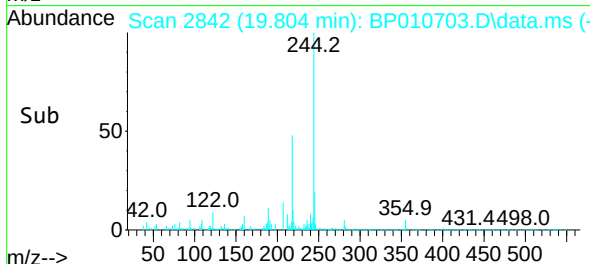
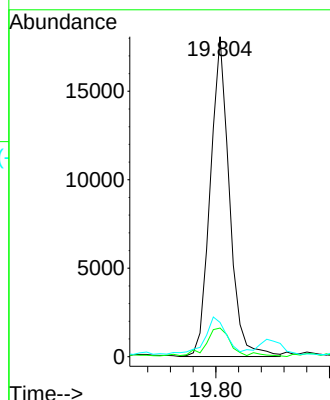
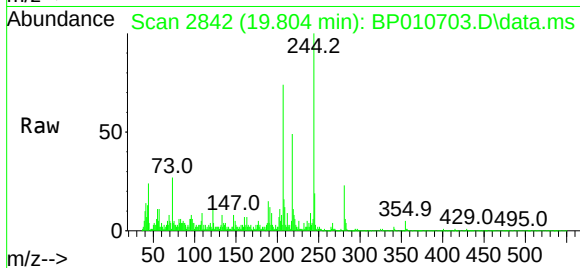
Tgt Ion:	244	Resp:	21084
Ion Ratio	Lower	Upper	
244	100		
212	9.0	5.8	8.8
122	10.7	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#81

Benzo(a)anthracene

Concen: 25.002 ng

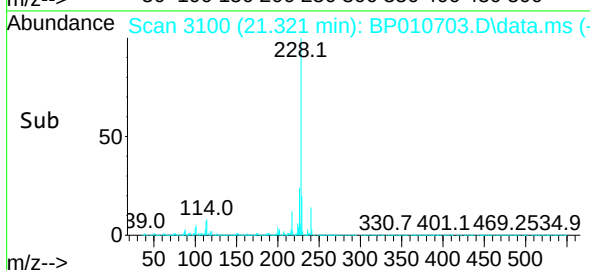
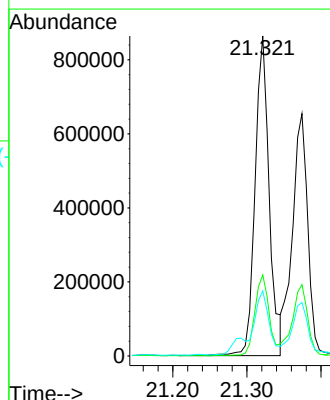
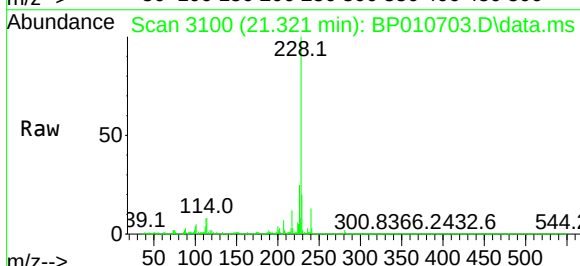
RT: 21.321 min Scan# 3100

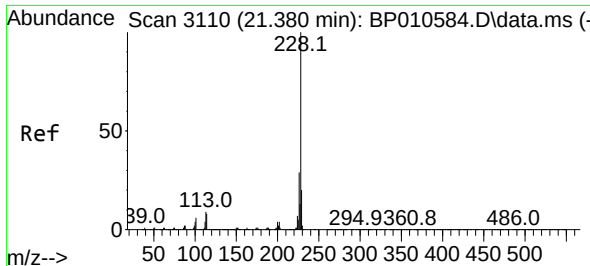
Delta R.T. 0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

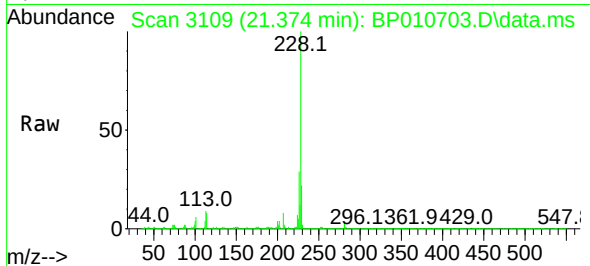
Tgt Ion:	228	Resp:	1145312
Ion Ratio	Lower	Upper	
228	100		
226	25.4	20.8	31.2
229	20.3	15.2	22.8





#83
Chrysene
Concen: 21.028 ng
RT: 21.374 min Scan# 3110
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

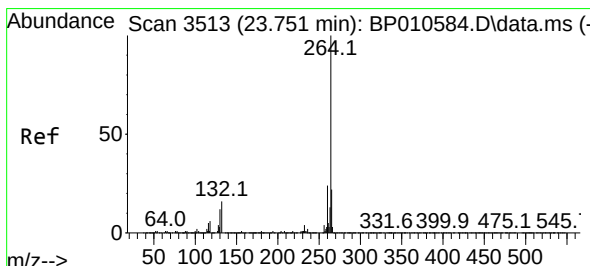
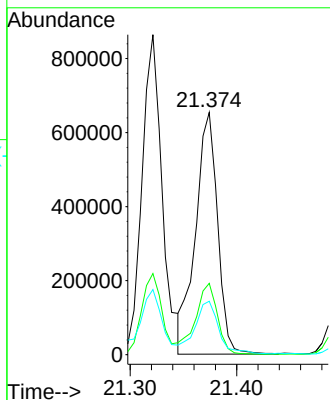
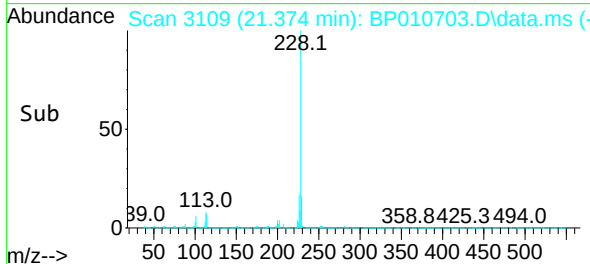
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



Tgt Ion:228 Resp: 944834
Ion Ratio Lower Upper
228 100
226 29.4 23.4 35.2
229 22.1 15.7 23.5

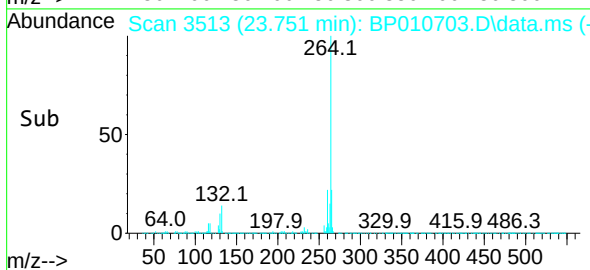
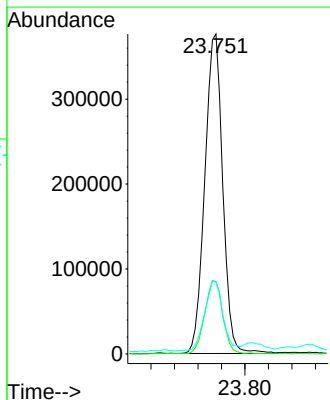
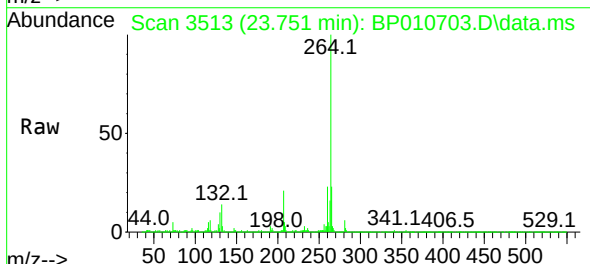
Manual Integrations
APPROVED

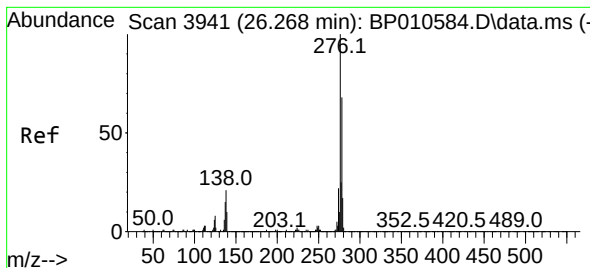
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.751 min Scan# 3513
Delta R.T. 0.011 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

Tgt Ion:264 Resp: 794398
Ion Ratio Lower Upper
264 100
260 22.6 19.3 28.9
265 22.5 18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.583 ng

RT: 26.256 min Scan# 3941

Delta R.T. -0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

Tgt Ion:276 Resp: 61285

Ion Ratio Lower Upper

276 100

138 17.4 17.5 26.3

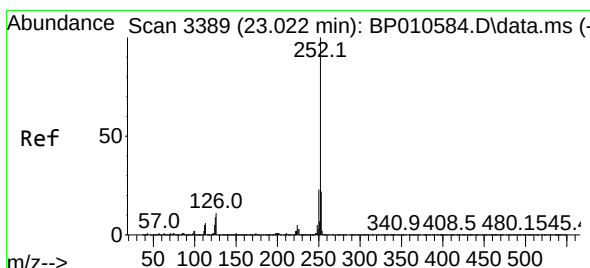
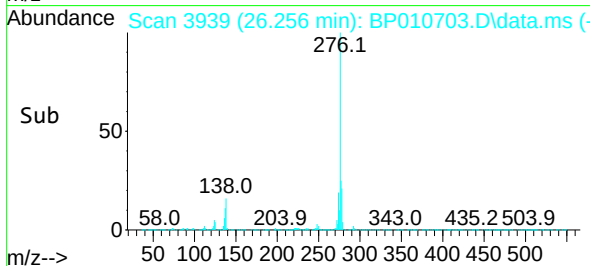
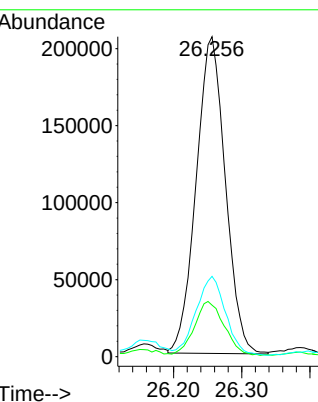
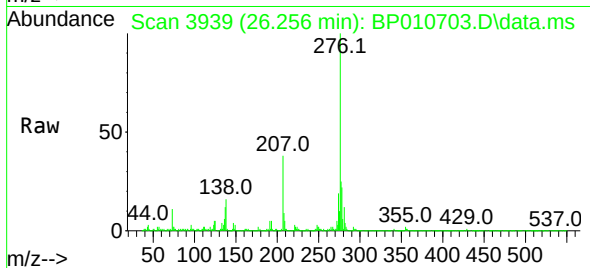
277 25.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#88

Benzo(b)fluoranthene

Concen: 26.470 ng

RT: 23.015 min Scan# 3388

Delta R.T. 0.006 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

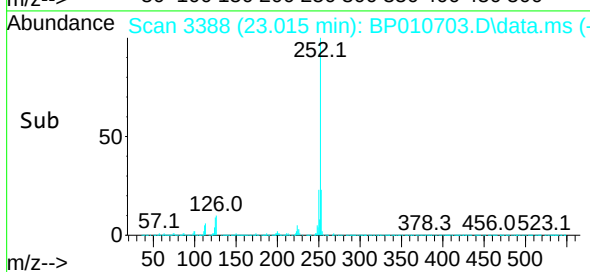
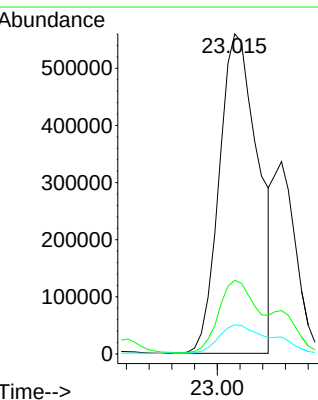
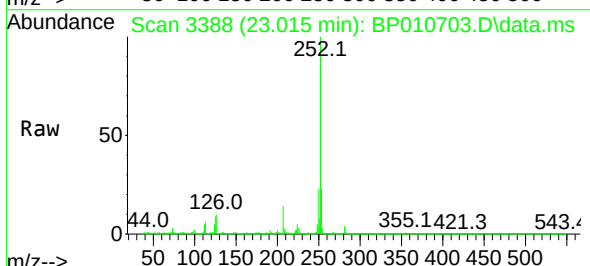
Tgt Ion:252 Resp: 1323929

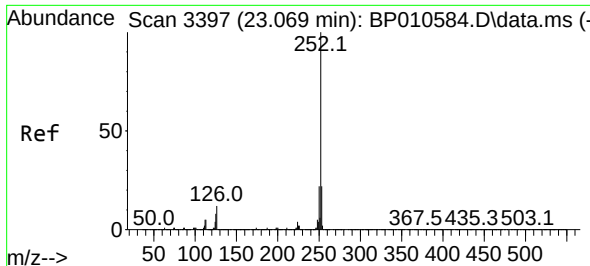
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

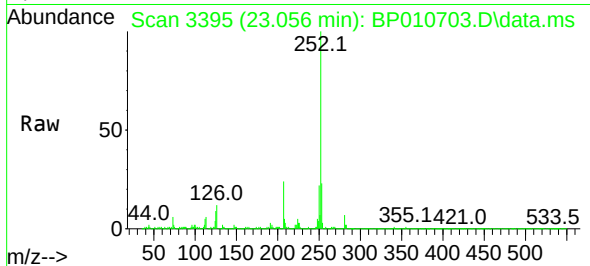
125 9.1 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 9.388 ng m
RT: 23.056 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07

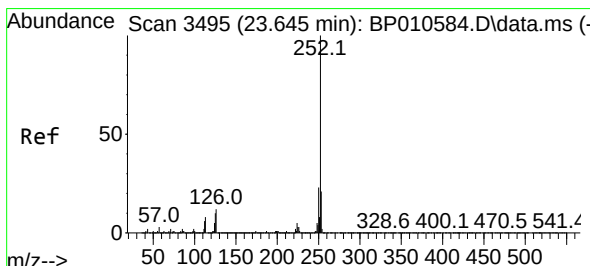
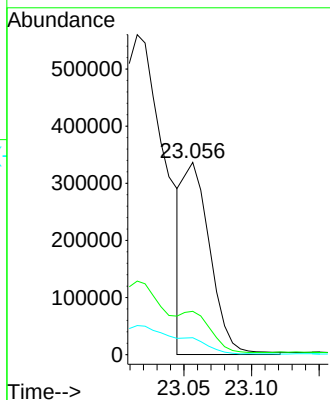
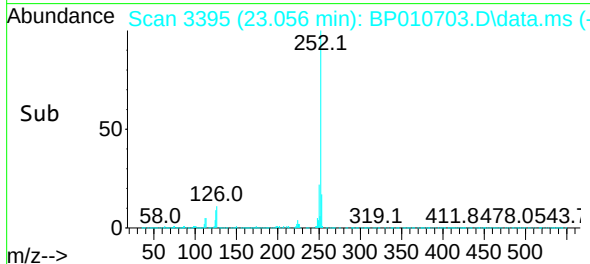
Instrument :
BNA_P
ClientSampleId :
PT-1-060122DL



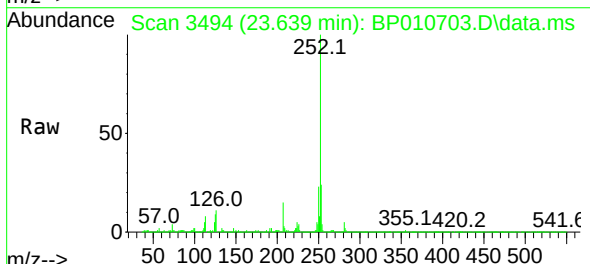
Tgt Ion:252 Resp: 47598
Ion Ratio Lower Upper
252 100
253 22.6 17.2 25.8
125 8.8 7.0 10.4

Manual Integrations
APPROVED

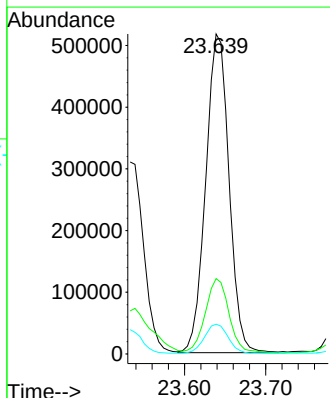
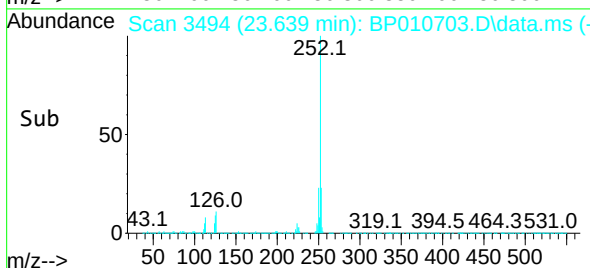
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

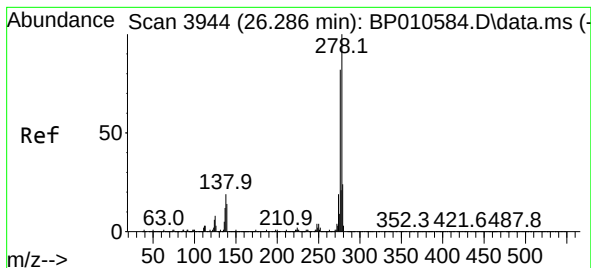


#90
Benzo(a)pyrene
Concen: 24.881 ng
RT: 23.639 min Scan# 3494
Delta R.T. 0.006 min
Lab File: BP010703.D
Acq: 06 Jun 2022 15:07



Tgt Ion:252 Resp: 1029373
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 9.3 7.9 11.9





#91

Dibenzo(a,h)anthracene

Concen: 3.301 ng m

RT: 26.256 min Scan# 3944

Delta R.T. -0.012 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Instrument :

BNA_P

ClientSampleId :

PT-1-060122DL

Tgt Ion:278 Resp: 15987

Ion Ratio Lower Upper

278 100

139 2.4 11.4 17.0

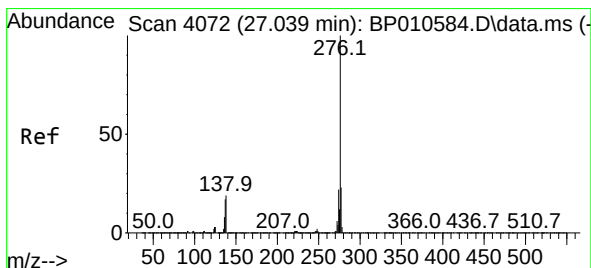
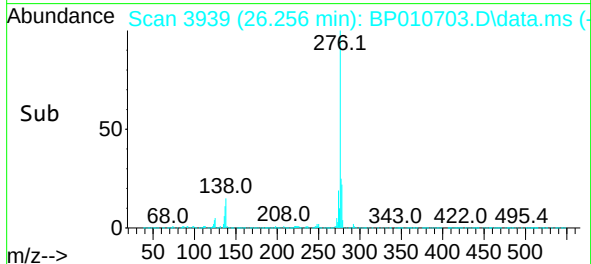
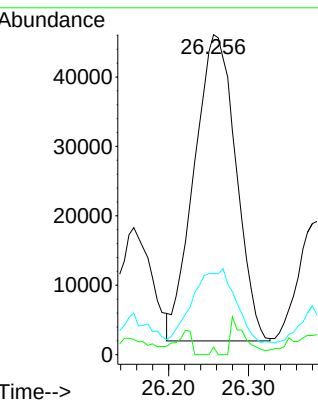
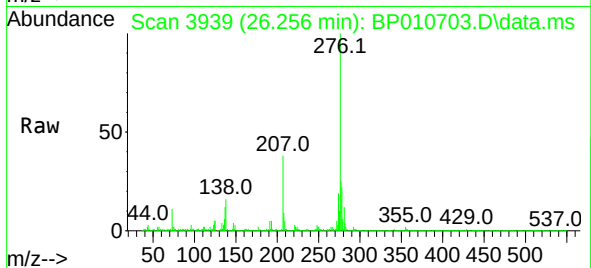
279 25.3 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#92

Benzo(g,h,i)perylene

Concen: 11.919 ng

RT: 27.027 min Scan# 4070

Delta R.T. -0.000 min

Lab File: BP010703.D

Acq: 06 Jun 2022 15:07

Tgt Ion:276 Resp: 573938

Ion Ratio Lower Upper

276 100

277 25.2 18.7 28.1

138 16.1 15.2 22.8

