

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
 Data File : BP013947.D
 Acq On : 03 Mar 2023 17:32
 Operator : CG/JU
 Sample : 01767-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CE-45-030123

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

Quant Time: Mar 04 00:57:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 02 04:26:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.099	152	114736	20.000	ng	0.00
21) Naphthalene-d8	10.928	136	401186	20.000	ng	0.00
39) Acenaphthene-d10	14.739	164	248986	20.000	ng	0.00
64) Phenanthrene-d10	17.492	188	593015	20.000	ng	0.00
76) Chrysene-d12	21.574	240	640379	20.000	ng	# 0.00
86) Perylene-d12	24.127	264	752335	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.640	112	670162	96.264	ng	0.00
7) Phenol-d6	7.252	99	816252	91.549	ng	0.00
23) Nitrobenzene-d5	9.275	82	543213	73.117	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	409089	112.870	ng	0.00
45) 2-Fluorobiphenyl	13.363	172	1121543	59.164	ng	0.00
79) Terphenyl-d14	20.027	244	1892751	56.867	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.804	154	32578	2.215	ng	96
71) Phenanthrene	17.539	178	1102377	33.182	ng	100
72) Anthracene	17.628	178	326115	9.817	ng	99
75) Fluoranthene	19.492	202	3390326	81.863	ng	97
78) Pyrene	19.845	202	3308190	75.596	ng	99
81) Benzo(a)anthracene	21.557	228	1830646	39.921	ng	98
83) Chrysene	21.616	228	1585517	35.691	ng	97
87) Indeno(1,2,3-cd)pyrene	26.821	276	1224878	20.929	ng	# 92
88) Benzo(b)fluoranthene	23.351	252	2283883m	48.000	ng	
89) Benzo(k)fluoranthene	23.392	252	776184m	16.070	ng	
90) Benzo(a)pyrene	24.021	252	1781428m	38.726	ng	
91) Dibenzo(a,h)anthracene	26.833	278	313186	6.387	ng	# 81
92) Benzo(g,h,i)perylene	27.656	276	1182146	24.381	ng	# 94

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

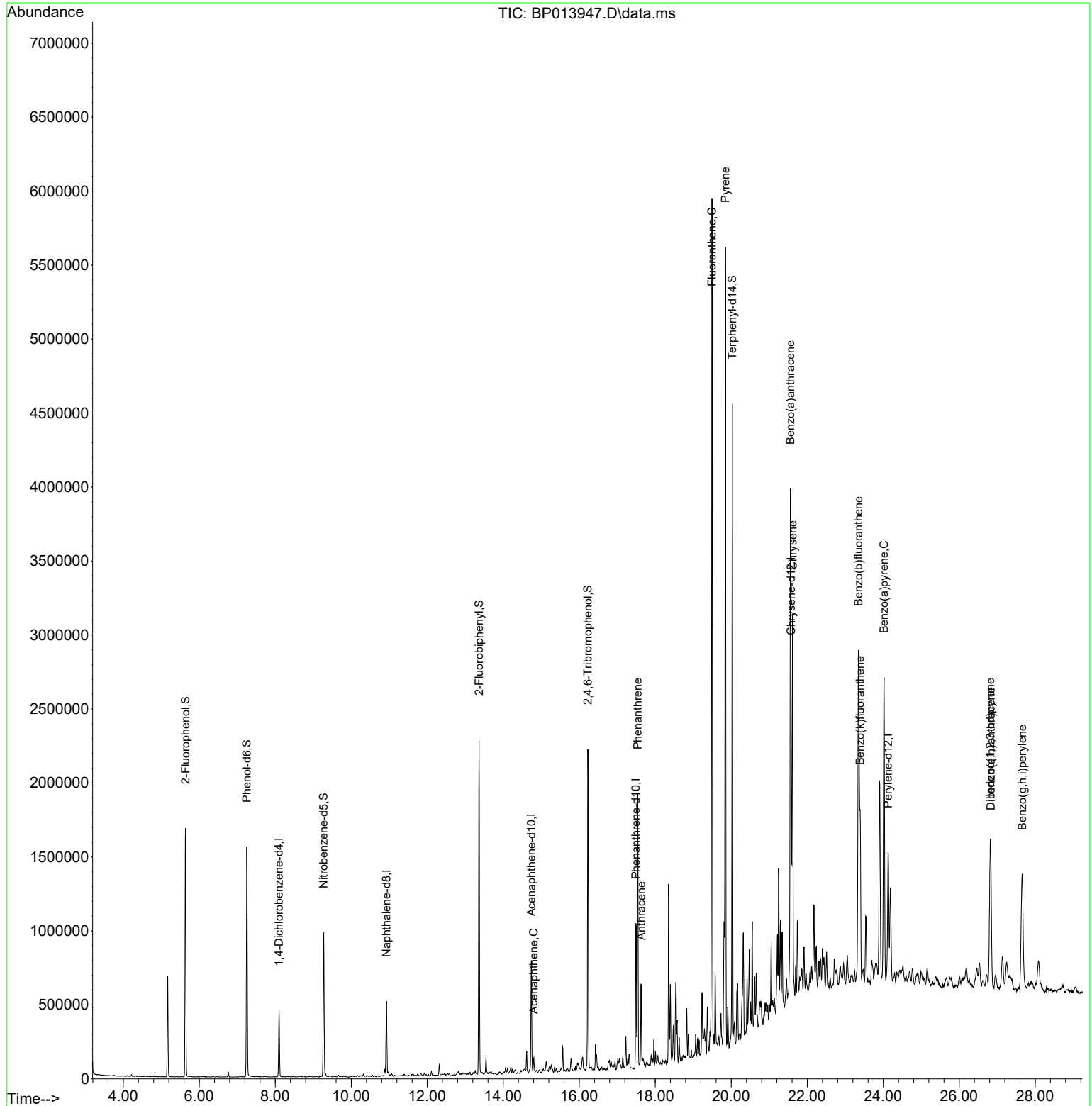
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030323\
Data File : BP013947.D
Acq On : 03 Mar 2023 17:32
Operator : CG/JU
Sample : 01767-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

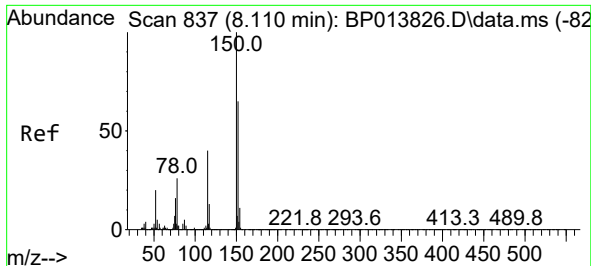
Instrument :
BNA_P
ClientSampleId :
CE-45-030123

Quant Time: Mar 04 00:57:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 02 04:26:35 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023





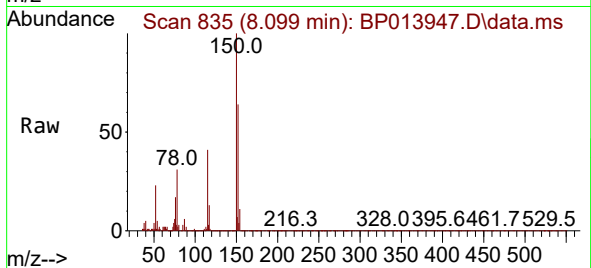
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.099 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

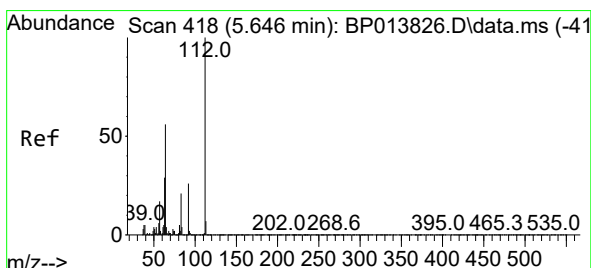
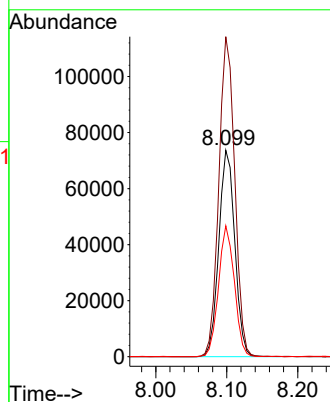
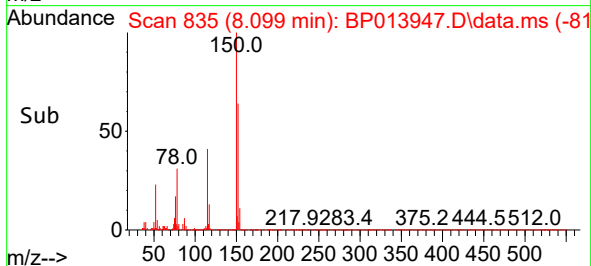


Tgt Ion:152 Resp: 114730
Ion Ratio Lower Upper
152 100
150 155.1 122.8 184.2
115 63.5 49.0 73.6

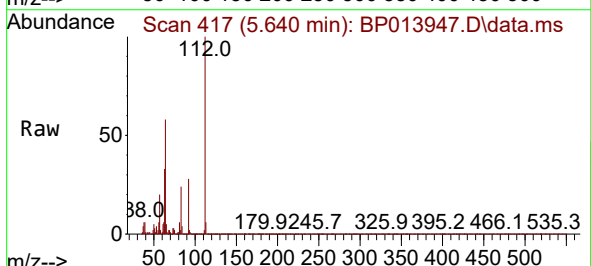
Manual Integrations

APPROVED

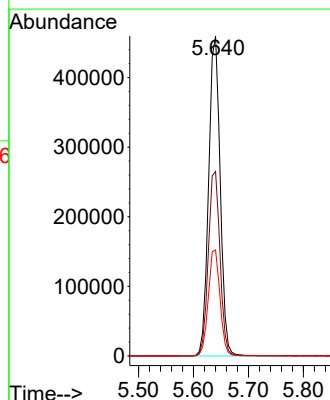
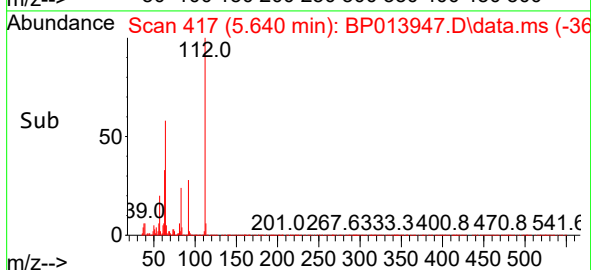
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

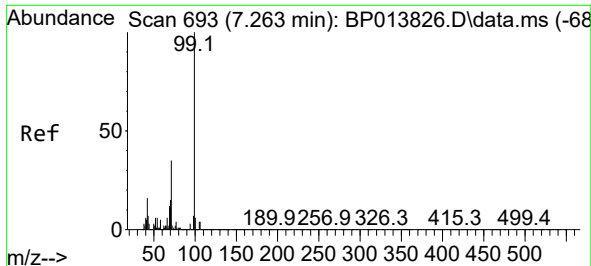


#5
2-Fluorophenol
Concen: 96.264 ng
RT: 5.640 min Scan# 417
Delta R.T. 0.006 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32



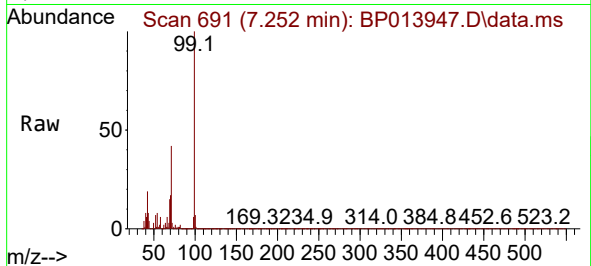
Tgt Ion:112 Resp: 670162
Ion Ratio Lower Upper
112 100
64 57.6 44.6 66.8
63 33.1 23.6 35.4





#7
Phenol-d6
Concen: 91.549 ng
RT: 7.252 min Scan# 691
Delta R.T. -0.000 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

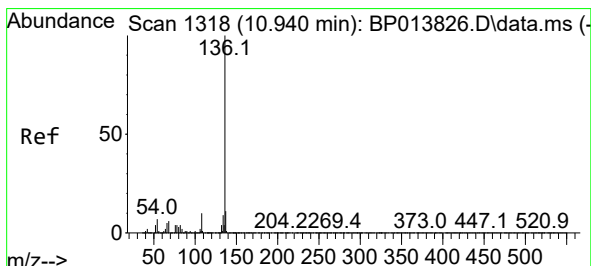
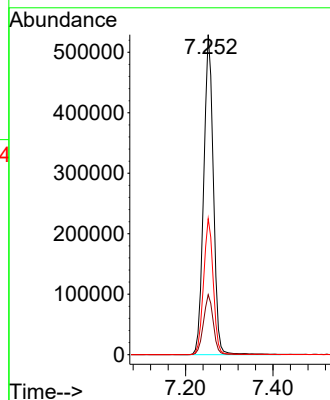
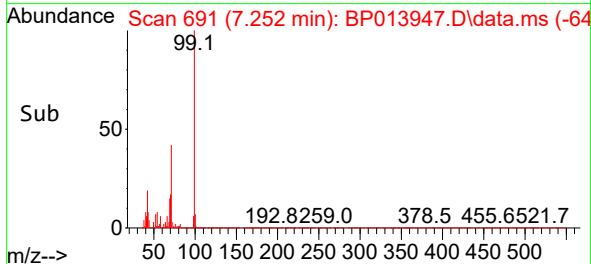
Instrument :
BNA_P
ClientSampleId :
CE-45-030123



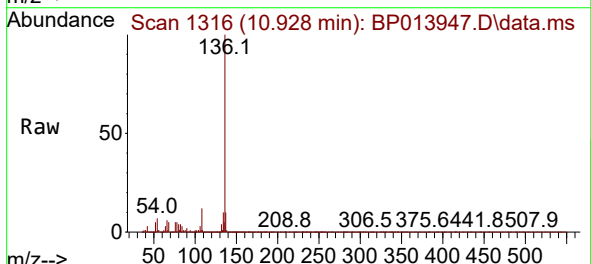
Tgt Ion: 99 Resp: 816252
Ion Ratio Lower Upper
99 100
42 18.7 12.5 18.7
71 42.5 27.8 41.8

Manual Integrations
APPROVED

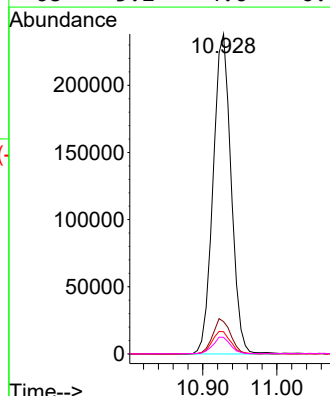
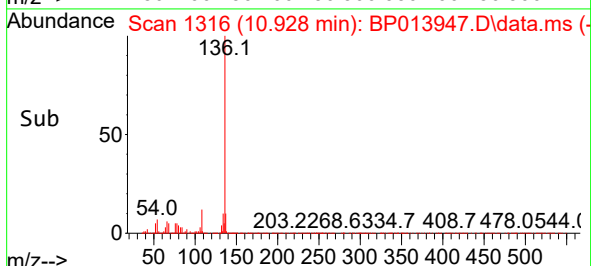
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

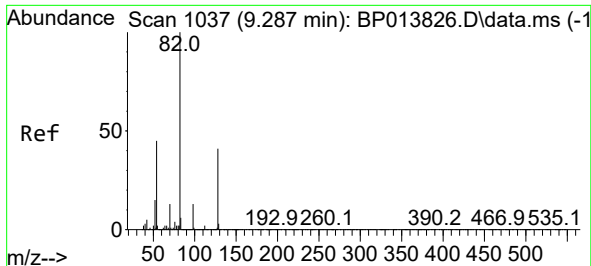


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.928 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32



Tgt Ion:136 Resp: 401186
Ion Ratio Lower Upper
136 100
137 10.1 8.5 12.7
54 7.0 5.8 8.6
68 5.2 4.6 6.8





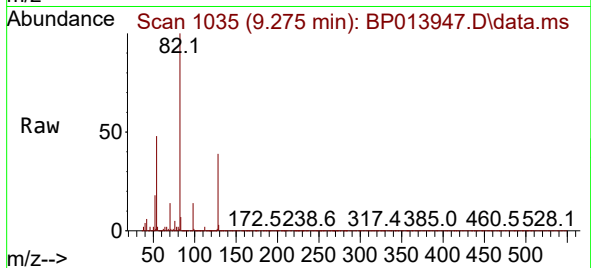
#23
Nitrobenzene-d5
Concen: 73.117 ng
RT: 9.275 min Scan# 1035
Delta R.T. 0.006 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

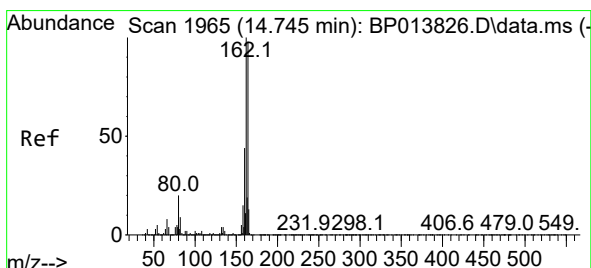
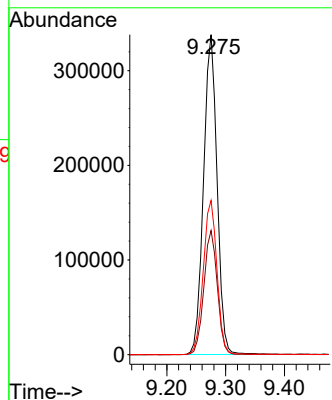
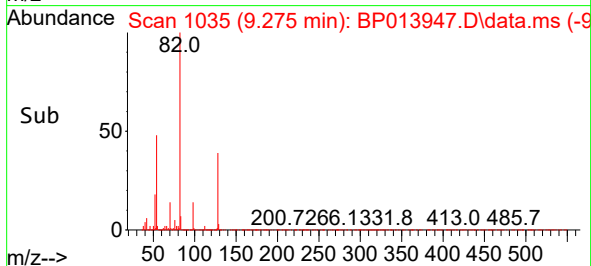


Tgt Ion: 82 Resp: 54321
Ion Ratio Lower Upper
82 100
128 38.8 32.9 49.3
54 48.2 35.6 53.4

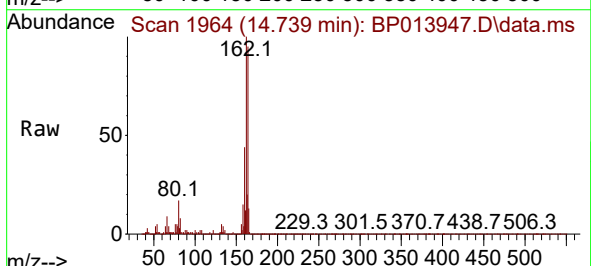
Manual Integrations

APPROVED

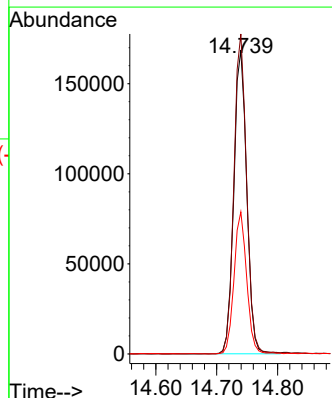
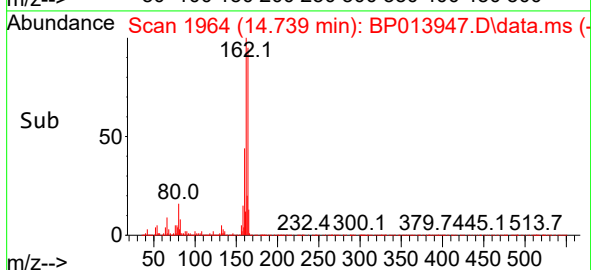
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

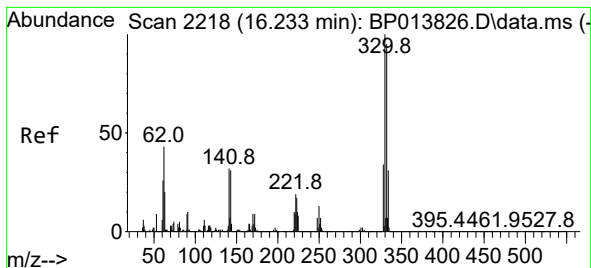


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.739 min Scan# 1964
Delta R.T. 0.006 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32



Tgt Ion:164 Resp: 248986
Ion Ratio Lower Upper
164 100
162 105.4 81.7 122.5
160 46.8 36.1 54.1





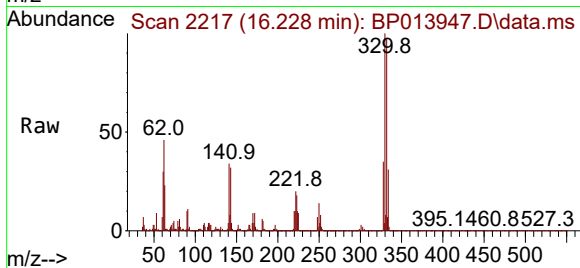
#42
2,4,6-Tribromophenol
Concen: 112.870 ng
RT: 16.228 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

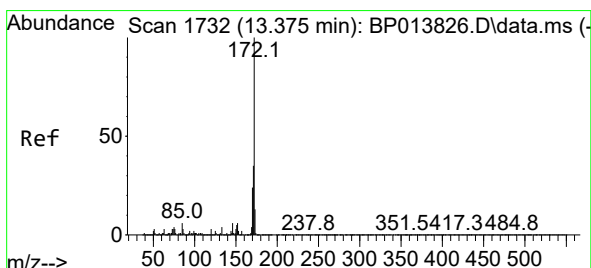
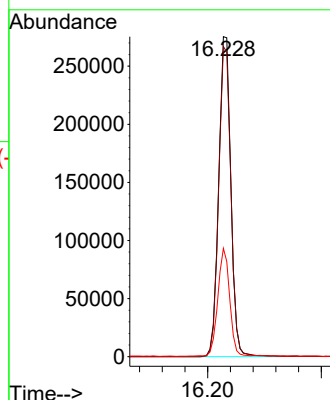
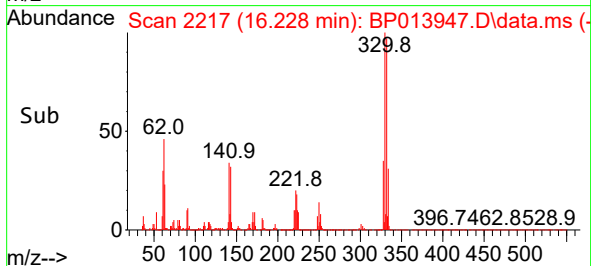


Tgt Ion:330 Resp: 409089
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 33.1 25.1 37.7

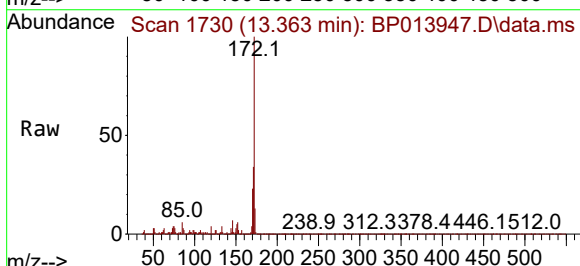
Manual Integrations

APPROVED

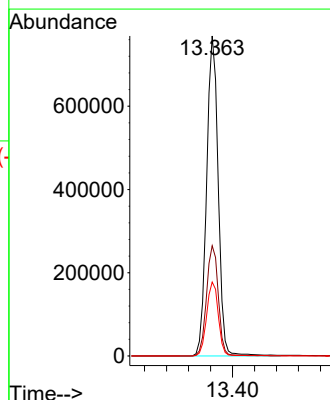
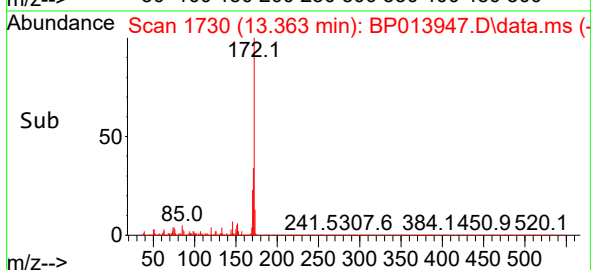
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023

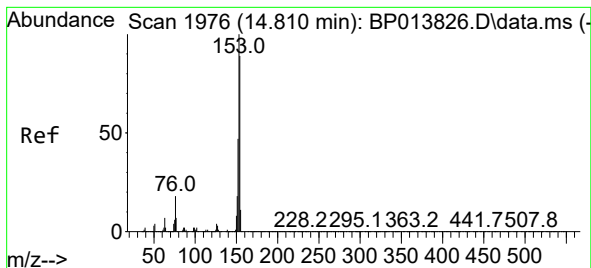


#45
2-Fluorobiphenyl
Concen: 59.164 ng
RT: 13.363 min Scan# 1730
Delta R.T. 0.006 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32



Tgt Ion:172 Resp: 1121543
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.4
170 23.1 19.0 28.4





#52

Acenaphthene

Concen: 2.215 ng

RT: 14.804 min Scan# 1976

Delta R.T. 0.006 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

Tgt Ion:154 Resp: 32578

Ion Ratio Lower Upper

154 100

153 109.5 90.4 135.6

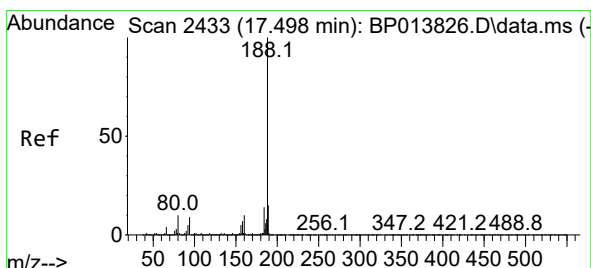
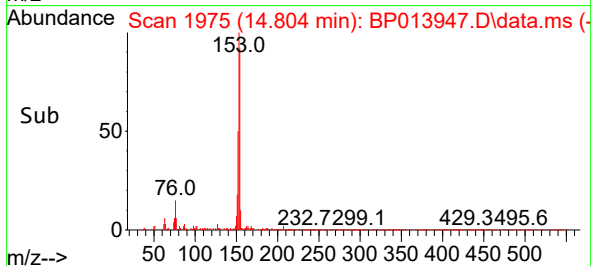
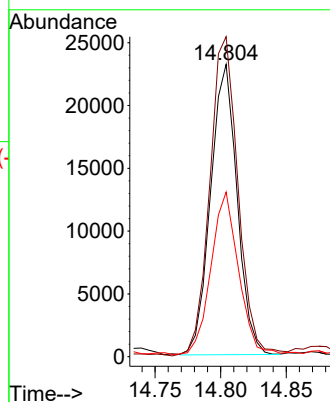
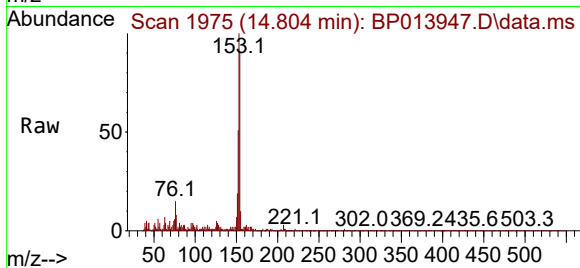
152 56.4 42.6 64.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 2432

Delta R.T. 0.006 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

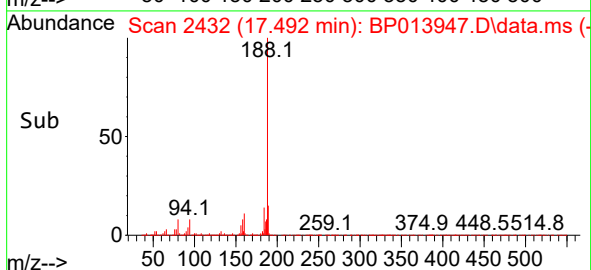
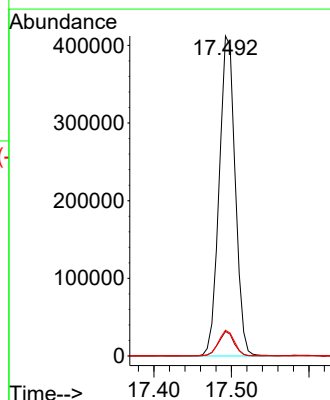
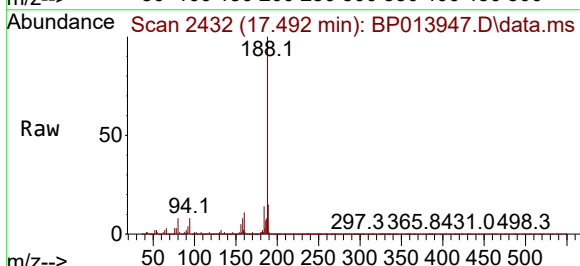
Tgt Ion:188 Resp: 593015

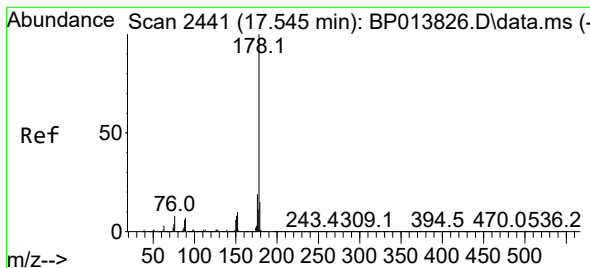
Ion Ratio Lower Upper

188 100

94 7.6 7.0 10.6

80 8.1 7.8 11.8





#71

Phenanthrene

Concen: 33.182 ng

RT: 17.539 min Scan# 2441

Delta R.T. 0.006 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

Tgt Ion:178 Resp: 110237

Ion Ratio Lower Upper

178 100

176 19.4 15.4 23.0

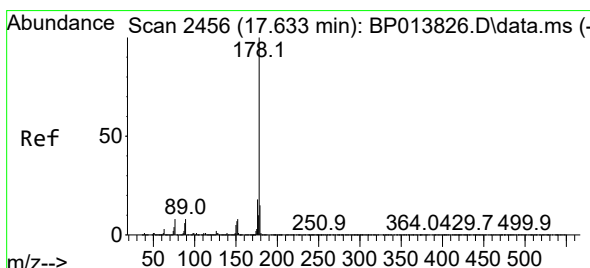
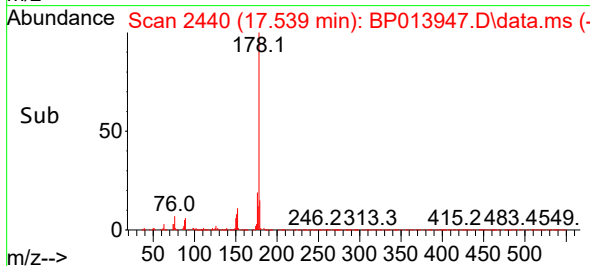
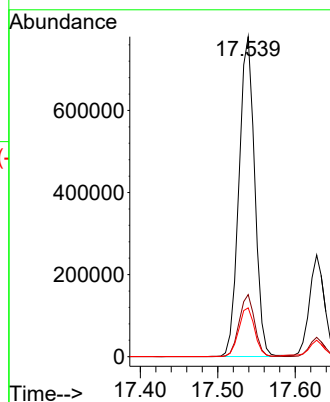
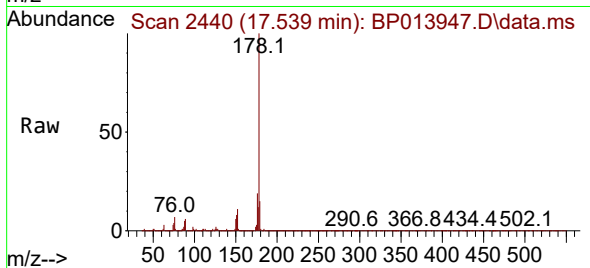
179 15.3 12.2 18.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#72

Anthracene

Concen: 9.817 ng

RT: 17.628 min Scan# 2455

Delta R.T. 0.006 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

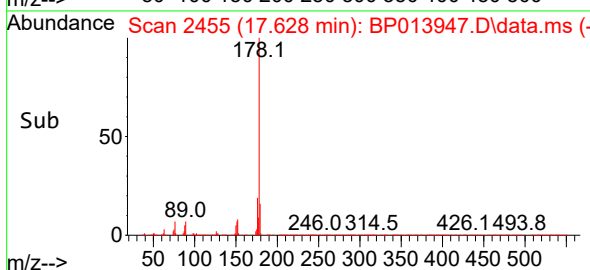
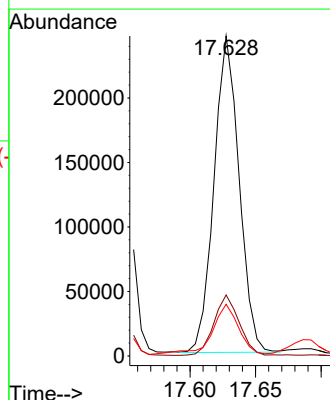
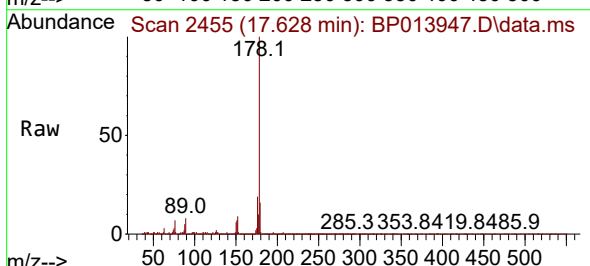
Tgt Ion:178 Resp: 326115

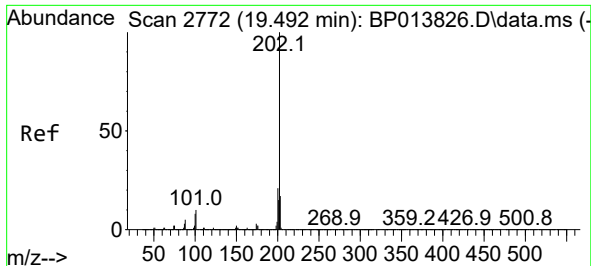
Ion Ratio Lower Upper

178 100

176 19.0 14.7 22.1

179 16.1 12.4 18.6





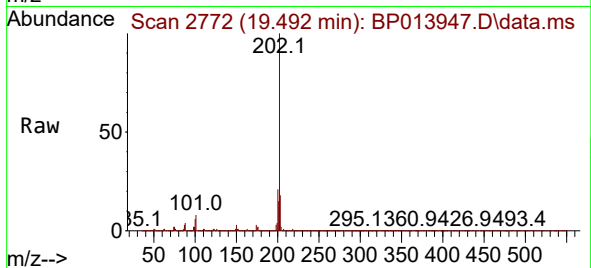
#75
Fluoranthene
Concen: 81.863 ng
RT: 19.492 min Scan# 21
Delta R.T. 0.012 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

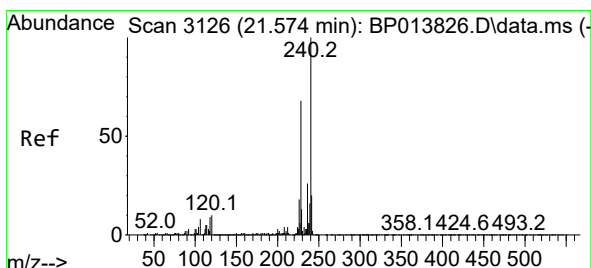
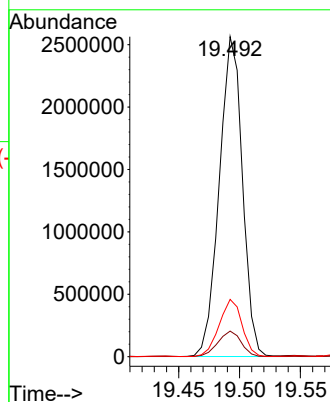
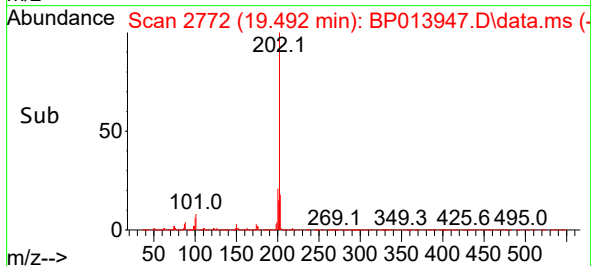


Tgt Ion:202 Resp: 3390320
Ion Ratio Lower Upper
202 100
101 8.0 0.0 30.0
203 17.9 0.0 37.5

Manual Integrations

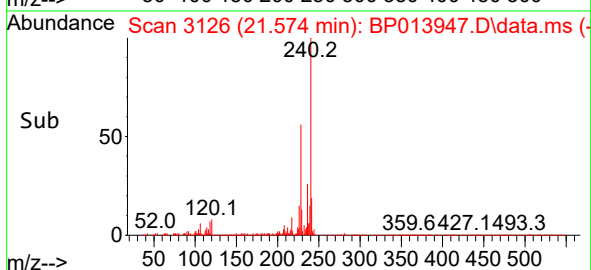
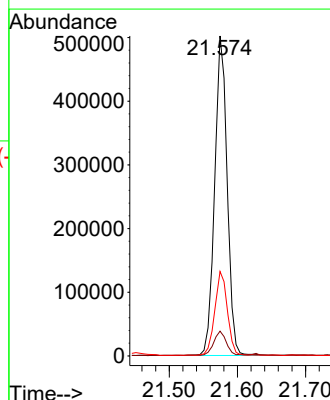
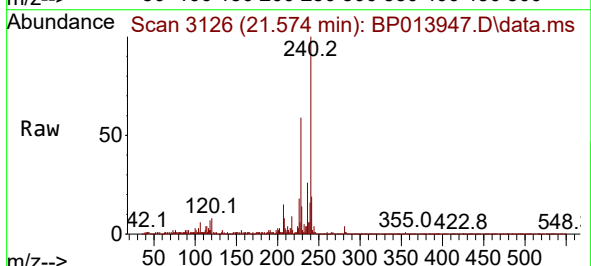
APPROVED

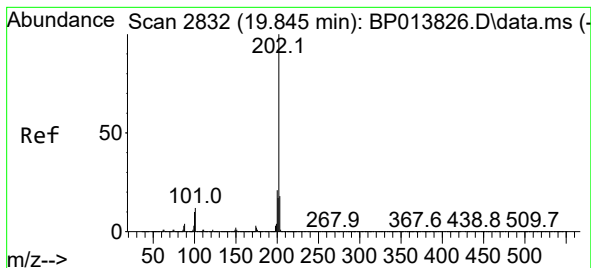
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.574 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

Tgt Ion:240 Resp: 640379
Ion Ratio Lower Upper
240 100
120 7.8 7.9 11.9#
236 26.4 20.9 31.3





#78

Pyrene

Concen: 75.596 ng

RT: 19.845 min Scan# 2832

Delta R.T. 0.012 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

Tgt Ion:202 Resp: 3308190

Ion Ratio Lower Upper

202 100

200 21.9 16.9 25.3

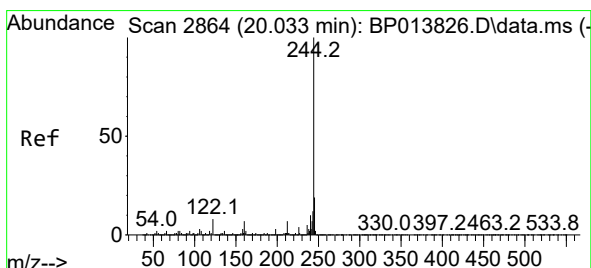
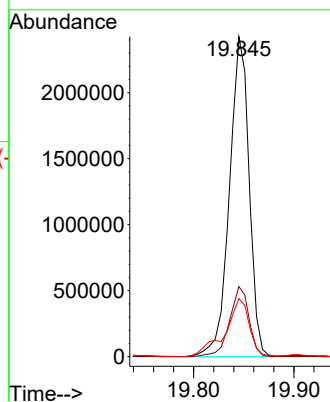
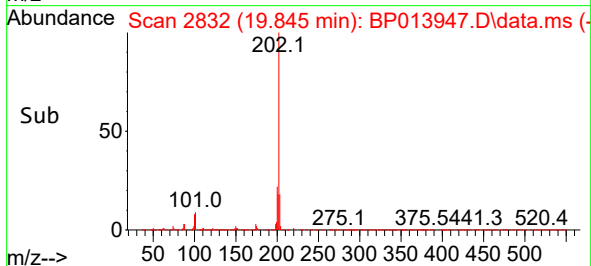
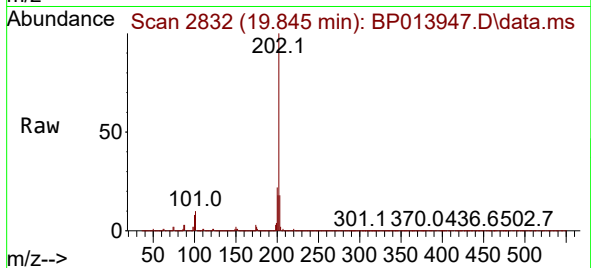
203 18.1 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#79

Terphenyl-d14

Concen: 56.867 ng

RT: 20.027 min Scan# 2863

Delta R.T. 0.006 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

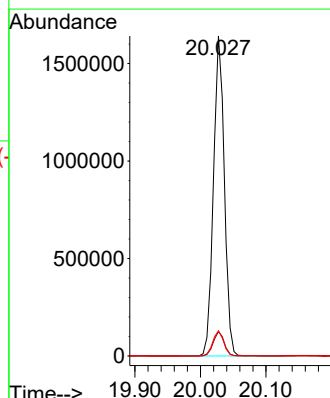
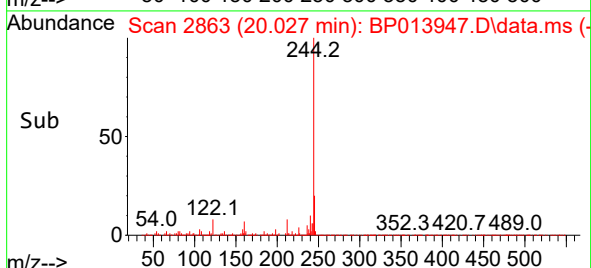
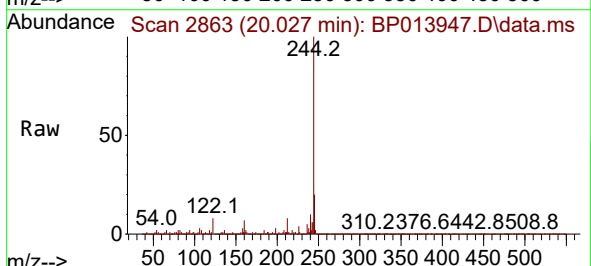
Tgt Ion:244 Resp: 1892751

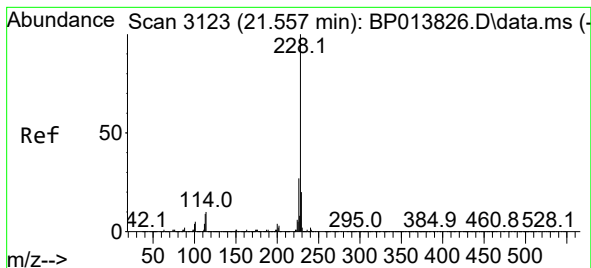
Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.6

122 7.9 6.7 10.1





#81

Benzo(a)anthracene

Concen: 39.921 ng

RT: 21.557 min Scan# 3123

Delta R.T. 0.006 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

Tgt Ion:228 Resp: 1830640

Ion Ratio Lower Upper

228 100

226 27.7 21.7 32.5

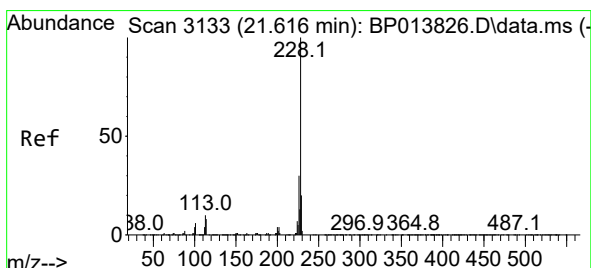
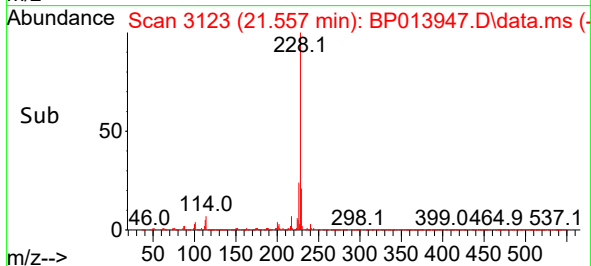
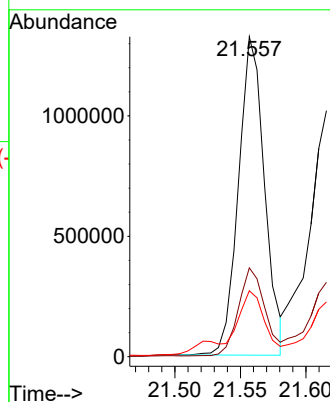
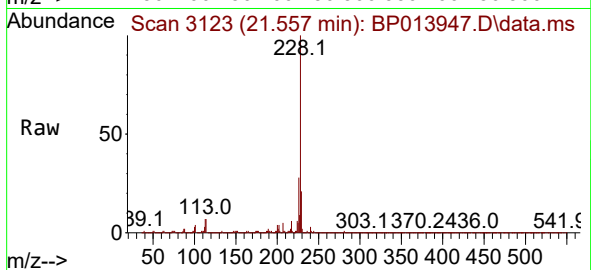
229 20.6 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#83

Chrysene

Concen: 35.691 ng

RT: 21.616 min Scan# 3133

Delta R.T. 0.012 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

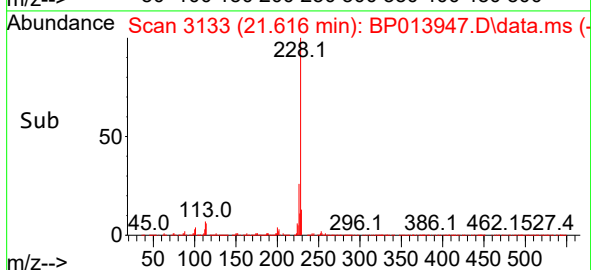
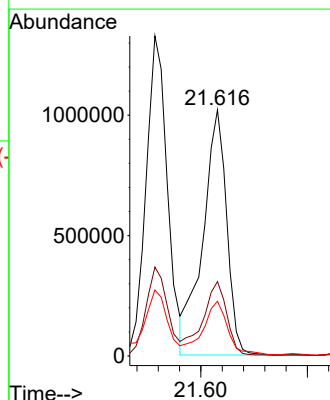
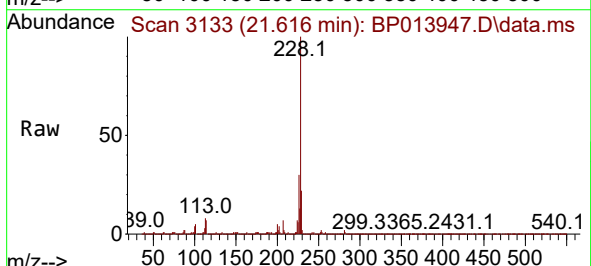
Tgt Ion:228 Resp: 1585517

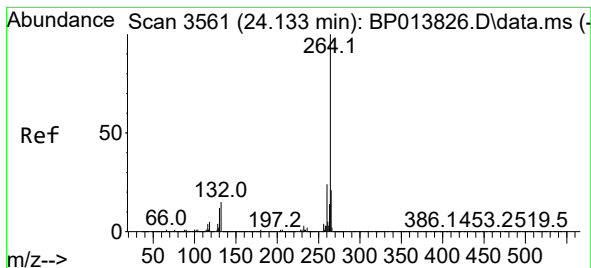
Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 22.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.127 min Scan# 3561

Delta R.T. 0.018 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

Tgt Ion: 264 Resp: 75233

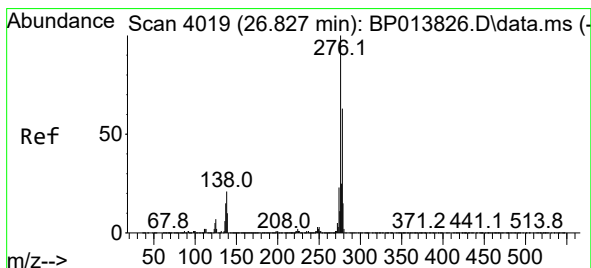
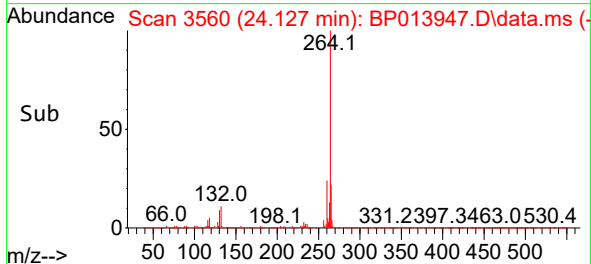
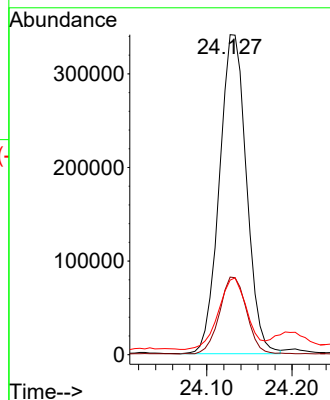
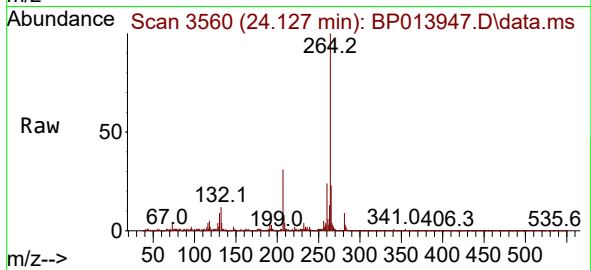
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	23.3	17.6	26.4

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 03/06/2023

Supervised By : Jagrut Upadhyay 03/06/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 20.929 ng

RT: 26.821 min Scan# 4018

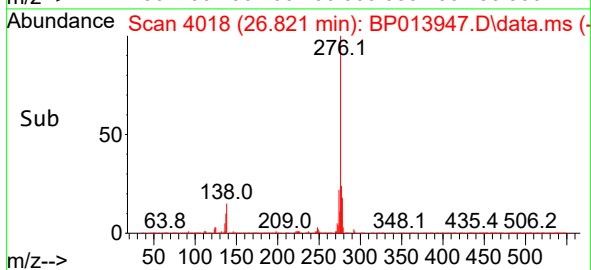
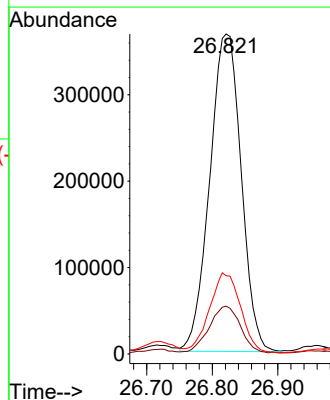
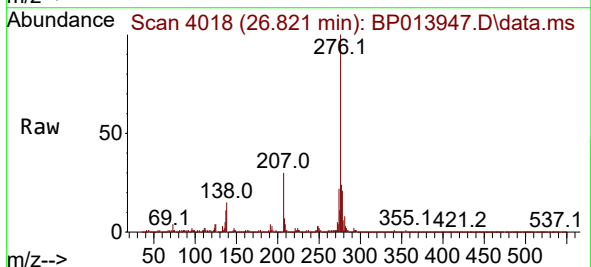
Delta R.T. 0.018 min

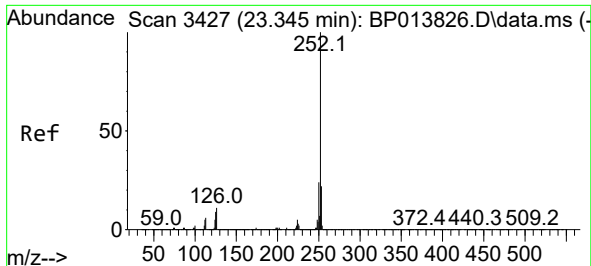
Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

Tgt Ion: 276 Resp: 1224878

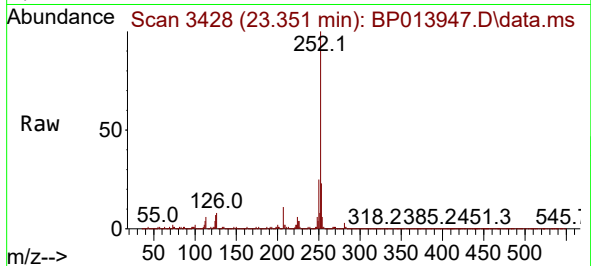
Ion	Ratio	Lower	Upper
276	100		
138	14.7	17.8	26.8
277	24.7	20.2	30.2





#88
Benzo(b)fluoranthene
Concen: 48.000 ng m
RT: 23.351 min Scan# 3427
Delta R.T. 0.024 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

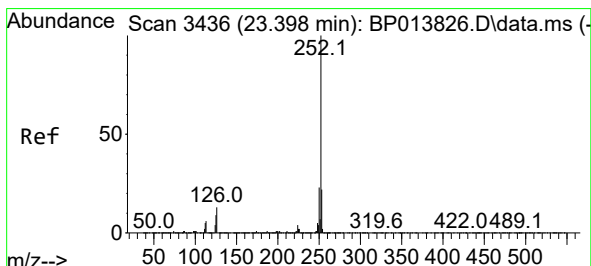
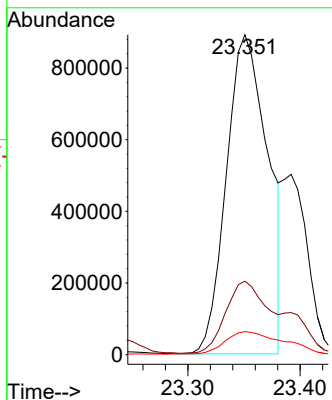
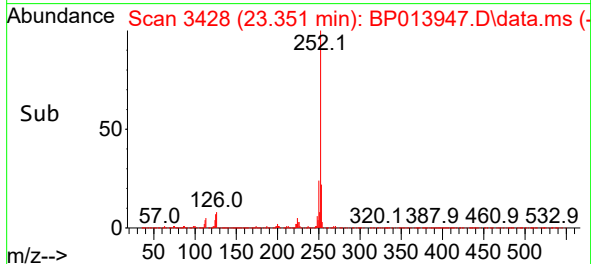
Instrument :
BNA_P
ClientSampleId :
CE-45-030123



Tgt Ion:252 Resp: 228388
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 7.2 7.1 10.7

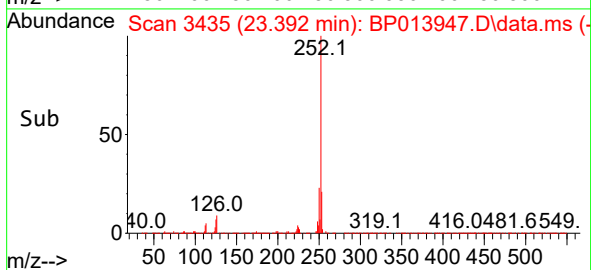
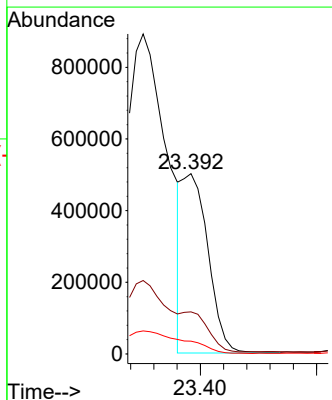
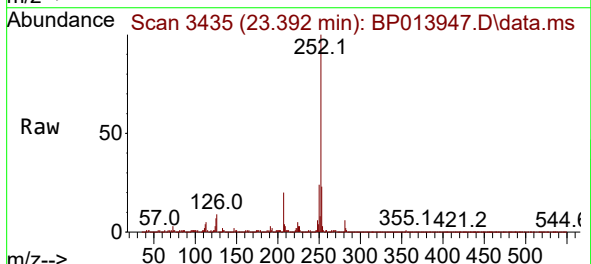
Manual Integrations
APPROVED

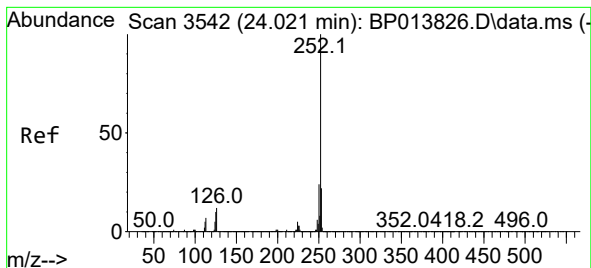
Reviewed By :Christian Giraldo 03/06/2023
Supervised By :Jagrut Upadhyay 03/06/2023



#89
Benzo(k)fluoranthene
Concen: 16.070 ng m
RT: 23.392 min Scan# 3435
Delta R.T. 0.012 min
Lab File: BP013947.D
Acq: 03 Mar 2023 17:32

Tgt Ion:252 Resp: 776184
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 7.1 7.0 10.4





#90

Benzo(a)pyrene

Concen: 38.726 ng m

RT: 24.021 min Scan# 3542

Delta R.T. 0.024 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

Instrument :

BNA_P

ClientSampleId :

CE-45-030123

Tgt Ion:252 Resp: 1781428

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

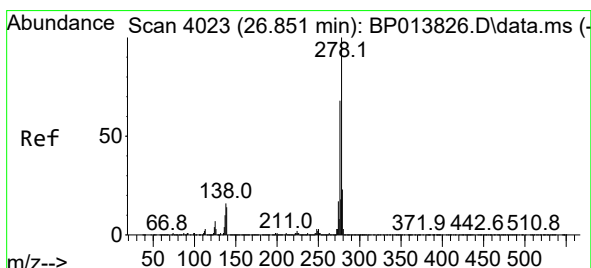
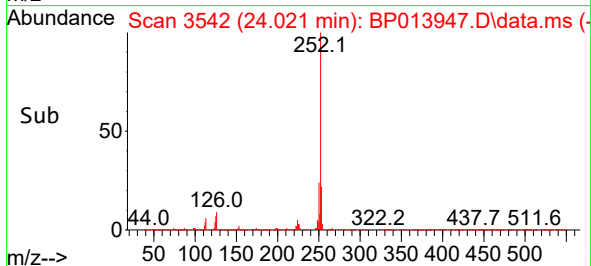
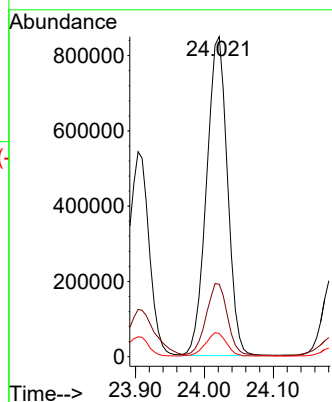
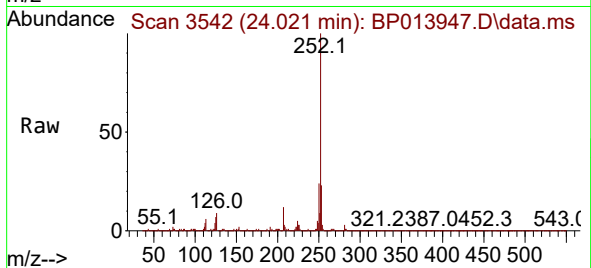
125 7.2 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/06/2023

Supervised By :Jagrut Upadhyay 03/06/2023



#91

Dibenzo(a,h)anthracene

Concen: 6.387 ng

RT: 26.833 min Scan# 4020

Delta R.T. 0.018 min

Lab File: BP013947.D

Acq: 03 Mar 2023 17:32

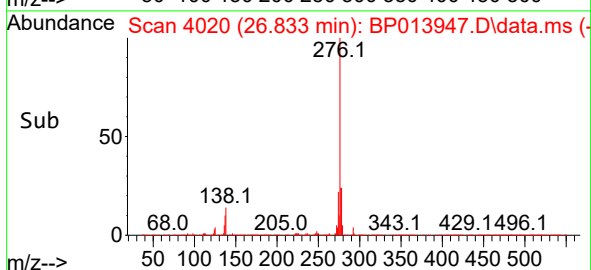
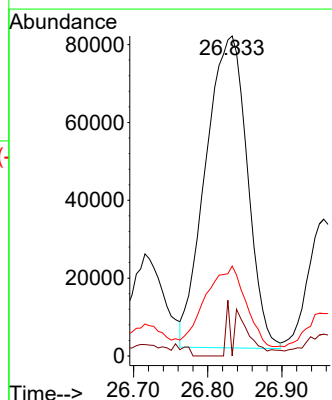
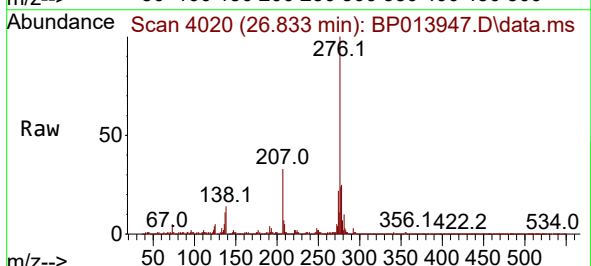
Tgt Ion:278 Resp: 313186

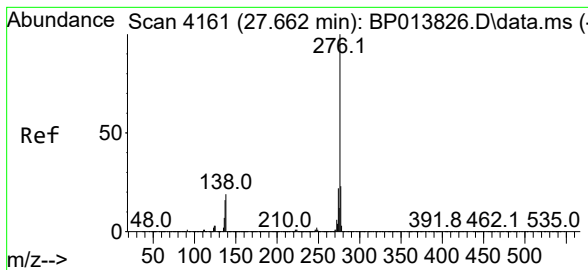
Ion Ratio Lower Upper

278 100

139 0.0 11.0 16.6#

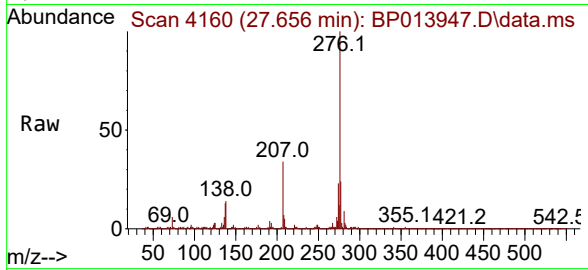
279 28.1 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 24.381 ng
 RT: 27.656 min Scan# 4160
 Delta R.T. 0.029 min
 Lab File: BP013947.D
 Acq: 03 Mar 2023 17:32

Instrument :
 BNA_P
 ClientSampleId :
 CE-45-030123



Tgt Ion: 276 Resp: 118214

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	14.1	15.5	23.3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/06/2023
 Supervised By : Jagrut Upadhyay 03/06/2023

