

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011123\
 Data File : BP013445.D
 Acq On : 11 Jan 2023 15:54
 Operator : CG/JU
 Sample : 01105-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-3

Quant Time: Jan 12 02:18:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 12 02:16:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/12/2023
 Supervised By : Jagrut Upadhyay 01/12/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	589089	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	2509520	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	1704246	20.000	ng	0.00
64) Phenanthrene-d10	17.328	188	4004211	20.000	ng	0.01
76) Chrysene-d12	21.416	240	3195160	20.000	ng	0.00
86) Perylene-d12	23.886	264	3334937	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	3953578	122.625	ng	0.01
7) Phenol-d6	7.087	99	5009921	118.987	ng	0.01
23) Nitrobenzene-d5	9.093	82	3045727	66.536	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	2799974	136.266	ng	0.00
45) 2-Fluorobiphenyl	13.187	172	6650794	52.987	ng	0.00
79) Terphenyl-d14	19.881	244	9408533	58.094	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.369	178	1331380	5.843	ng	99
75) Fluoranthene	19.334	202	2884382	11.761	ng	98
78) Pyrene	19.692	202	2521858	10.984	ng	99
81) Benzo(a)anthracene	21.398	228	1193304	5.464	ng	97
83) Chrysene	21.457	228	1315895	6.177	ng	95
84) Bis(2-ethylhexyl)phtha...	21.310	149	234602	4.733	ng	# 87
87) Indeno(1,2,3-cd)pyrene	26.463	276	707027	2.595	ng	96
88) Benzo(b)fluoranthene	23.133	252	1445356	6.731	ng	# 89
89) Benzo(k)fluoranthene	23.180	252	571477m	2.631	ng	
90) Benzo(a)pyrene	23.774	252	989743	5.493	ng	# 88
92) Benzo(g,h,i)perylene	27.263	276	675831	3.012	ng	# 88

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

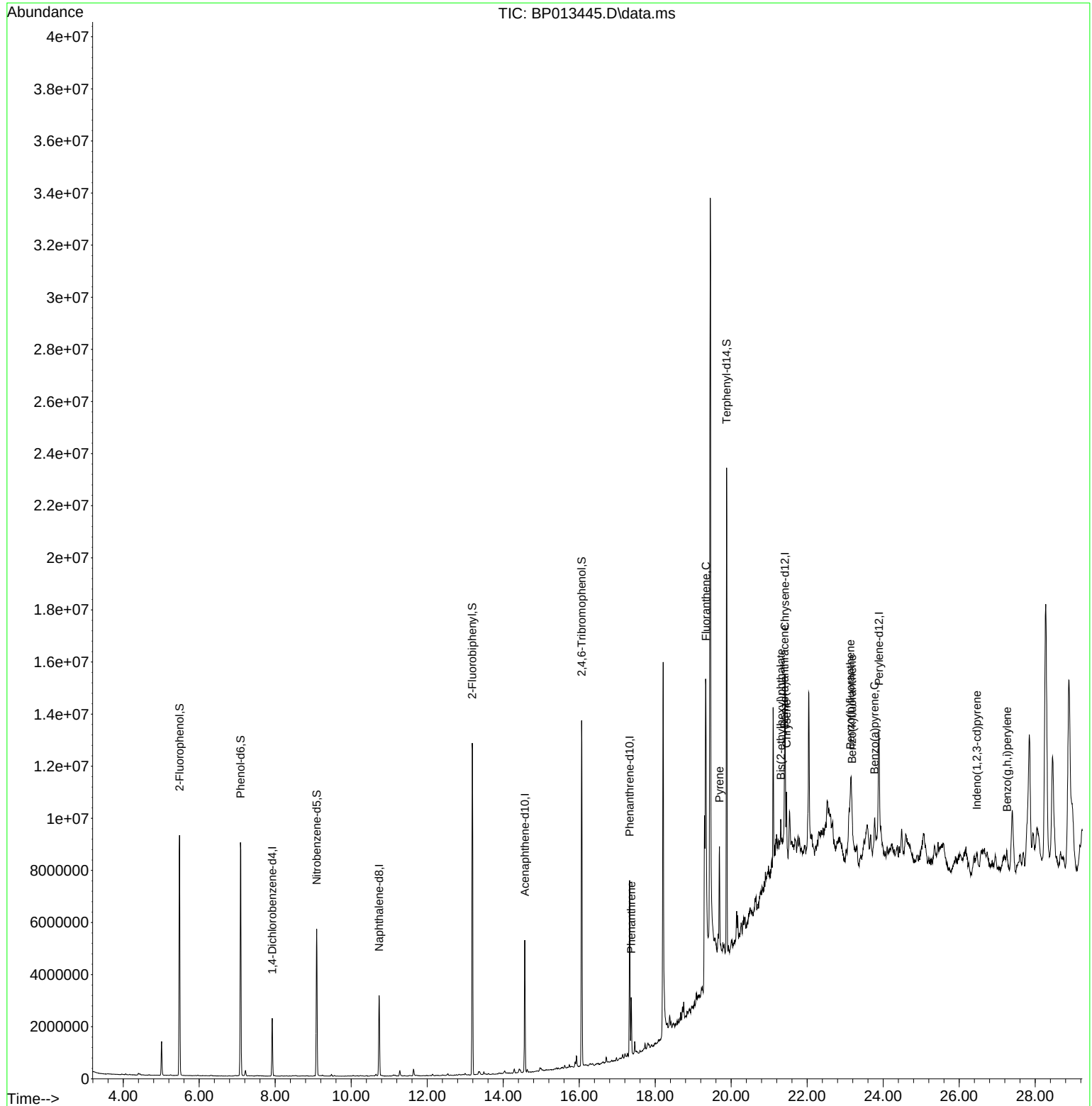
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011123\
Data File : BP013445.D
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Operator : CG/JU
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Misc :
ALS Vial : 8 Sample Multiplier: 1

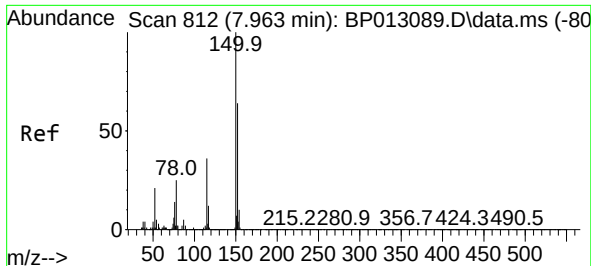
Instrument :
BNA_P
ClientSampleId :
TP-3

Quant Time: Jan 12 02:18:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
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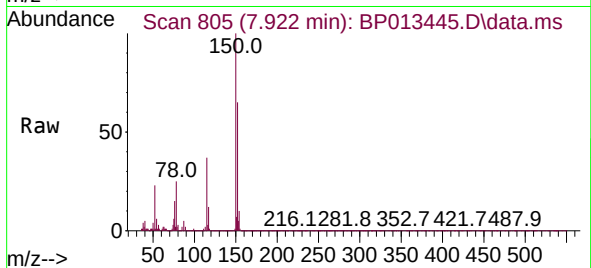
Reviewed By : Christian Giraldo 01/12/2023
Supervised By : Jagrut Upadhyay 01/12/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 80
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

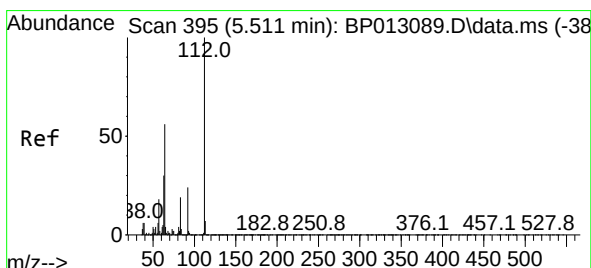
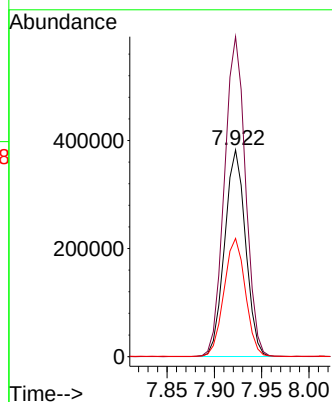
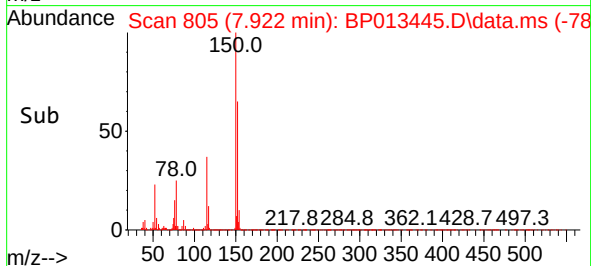
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion:152 Resp: 589089
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 57.2 45.6 68.4

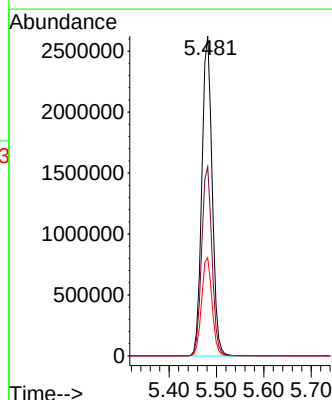
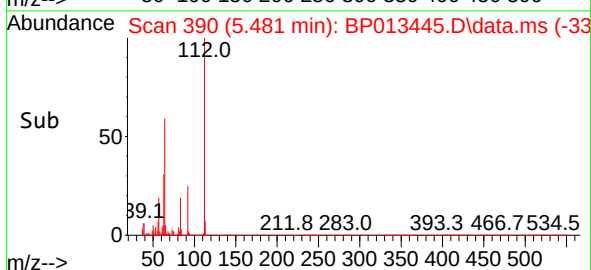
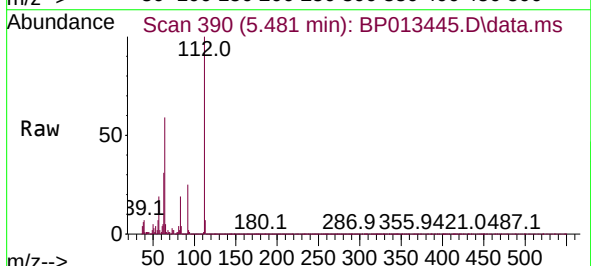
Manual Integrations
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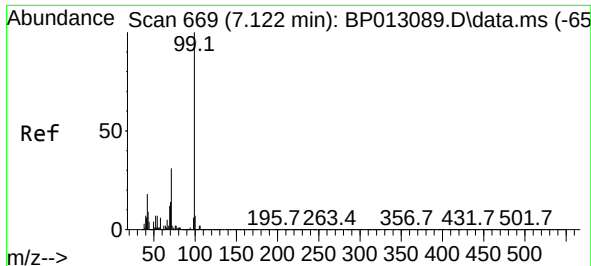
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#5
2-Fluorophenol
Concen: 122.625 ng
RT: 5.481 min Scan# 390
Delta R.T. 0.012 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:112 Resp: 3953578
Ion Ratio Lower Upper
112 100
64 59.1 45.1 67.7
63 30.7 23.8 35.6





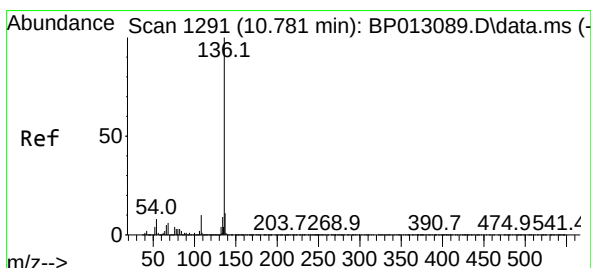
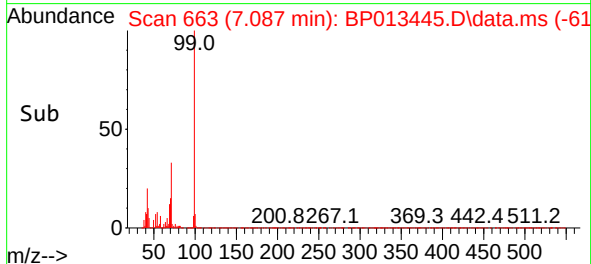
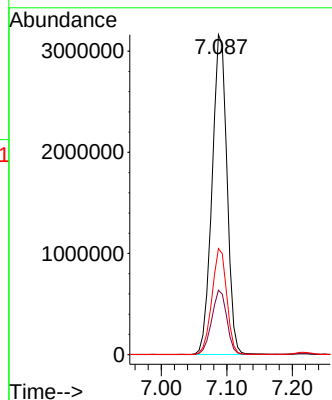
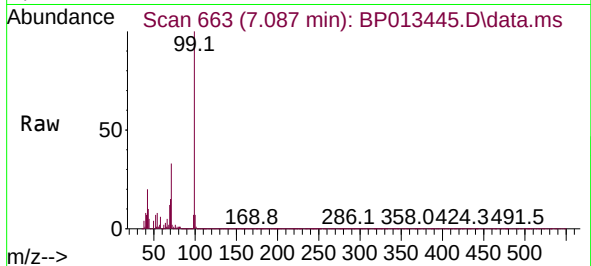
#7
Phenol-d6
Concen: 118.987 ng
RT: 7.087 min Scan# 60
Delta R.T. 0.012 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion: 99 Resp: 500992
Ion Ratio Lower Upper
99 100
42 20.1 14.2 21.4
71 33.1 24.7 37.1

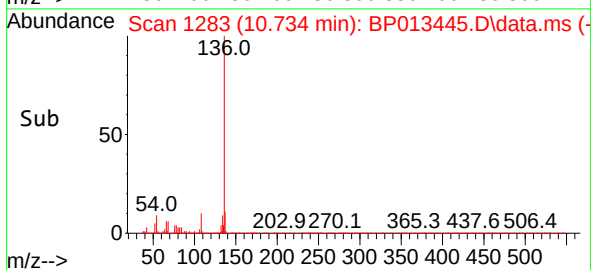
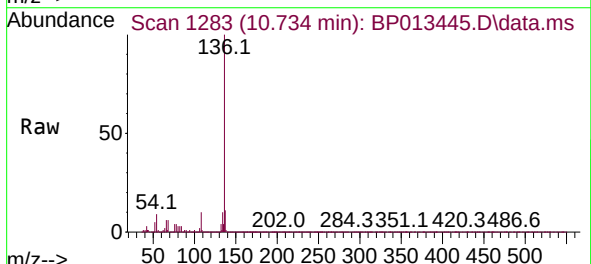
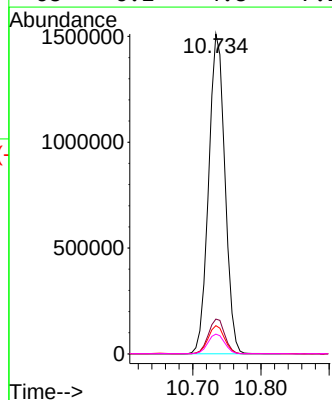
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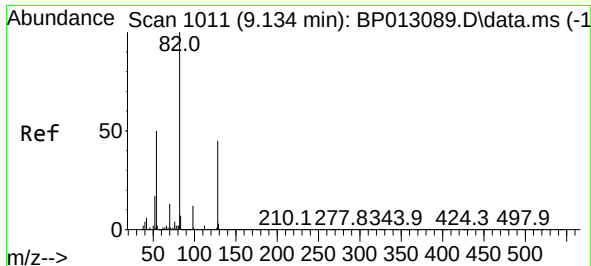
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

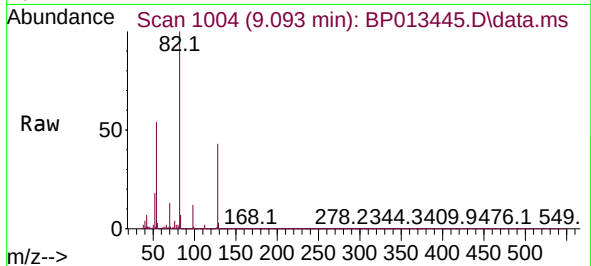
Tgt Ion:136 Resp: 2509520
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.8 6.2 9.4
68 6.2 4.8 7.2





#23
Nitrobenzene-d5
Concen: 66.536 ng
RT: 9.093 min Scan# 1011
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

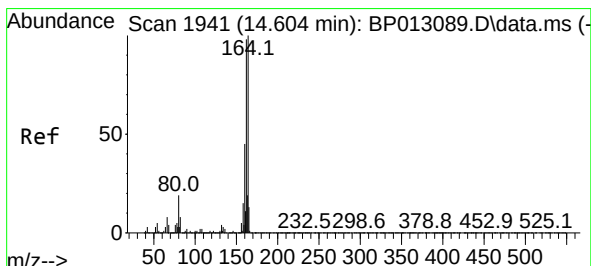
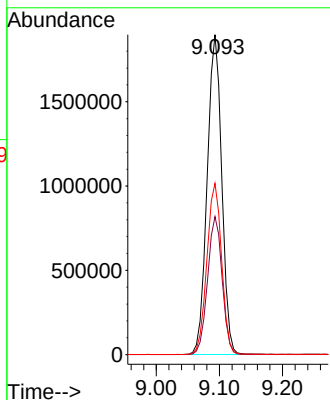
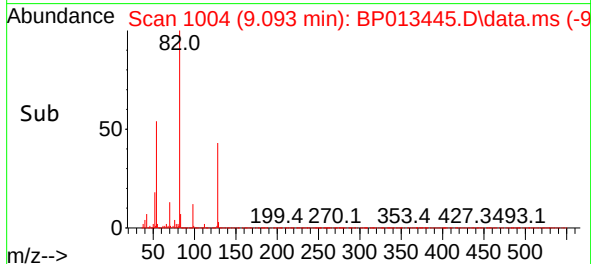
Instrument :
BNA_P
ClientSampleId :
TP-3



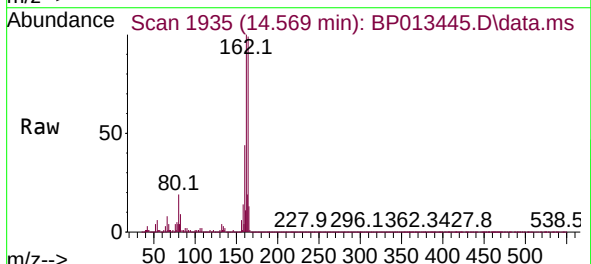
Tgt Ion: 82 Resp: 304572
Ion Ratio Lower Upper
82 100
128 43.1 35.9 53.9
54 53.5 40.4 60.6

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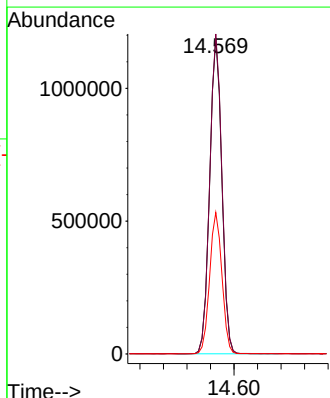
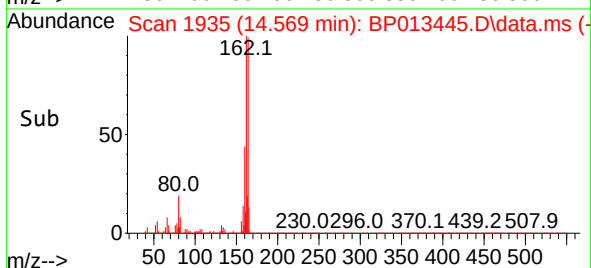
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023

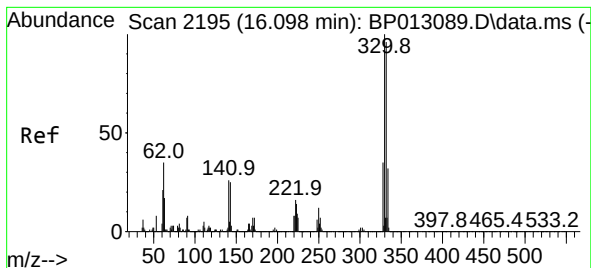


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1935
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54



Tgt Ion:164 Resp: 1704246
Ion Ratio Lower Upper
164 100
162 101.2 78.8 118.2
160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 136.266 ng

RT: 16.063 min Scan# 21

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:330 Resp: 2799974

Ion Ratio Lower Upper

330 100

332 96.5 77.5 116.3

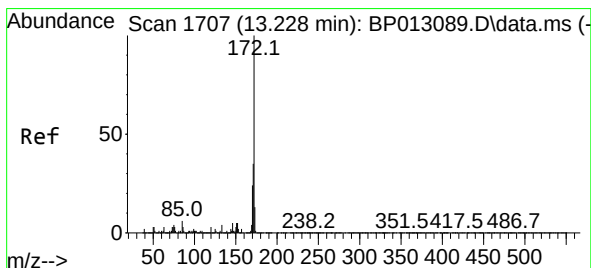
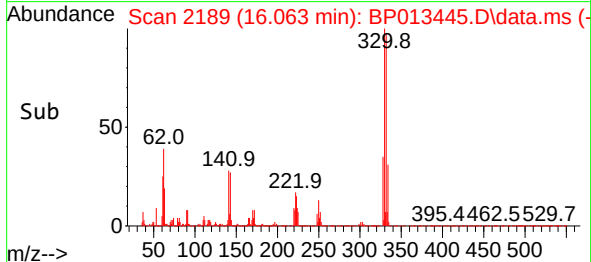
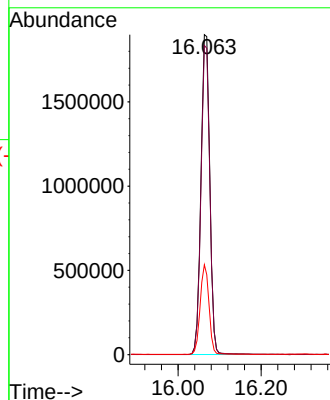
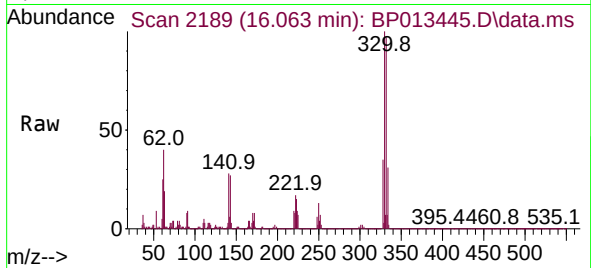
141 27.9 23.2 34.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/12/2023



#45

2-Fluorobiphenyl

Concen: 52.987 ng

RT: 13.187 min Scan# 1700

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

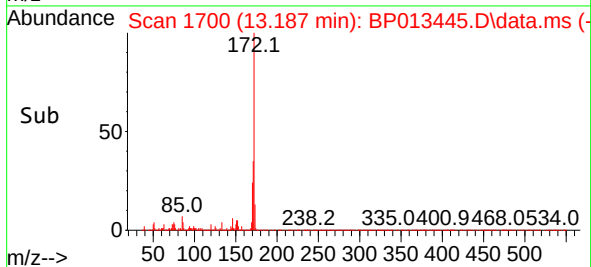
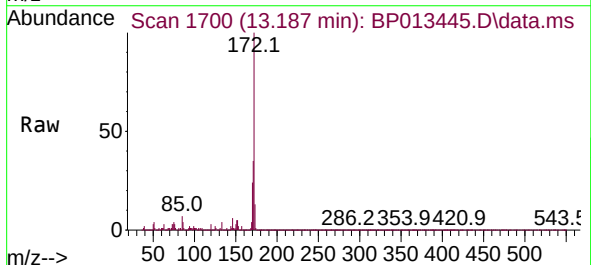
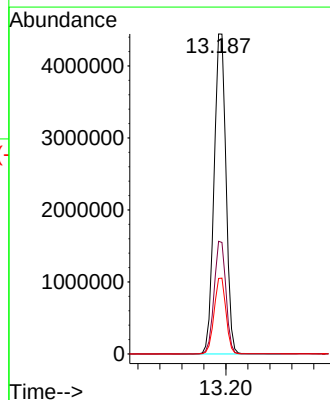
Tgt Ion:172 Resp: 6650794

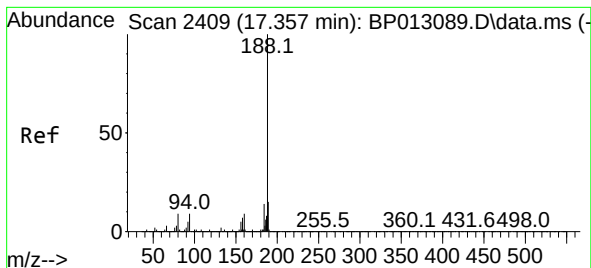
Ion Ratio Lower Upper

172 100

171 35.2 28.3 42.5

170 23.6 19.2 28.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.328 min Scan# 2411

Delta R.T. 0.012 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:188 Resp: 400421

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.6

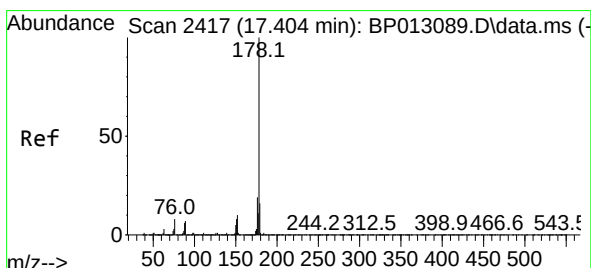
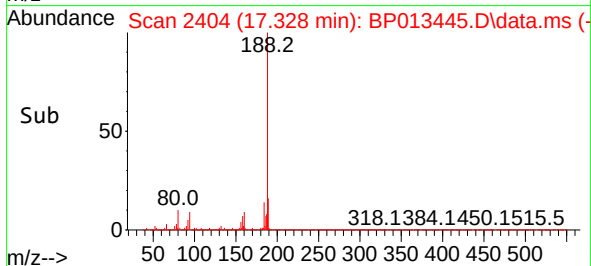
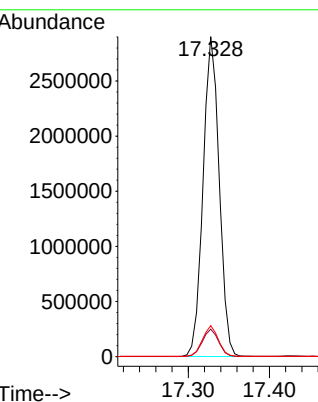
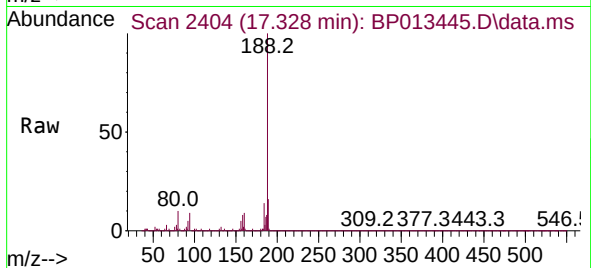
80 9.7 7.5 11.3

Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023

Supervised By :Jagrut Upadhyay 01/12/2023



#71

Phenanthrene

Concen: 5.843 ng

RT: 17.369 min Scan# 2411

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

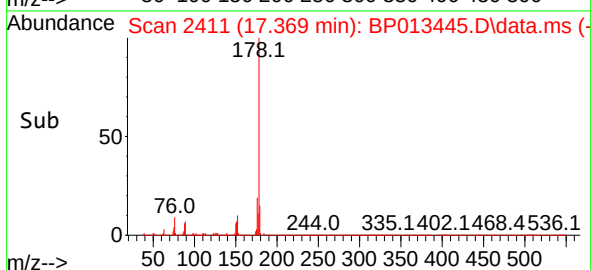
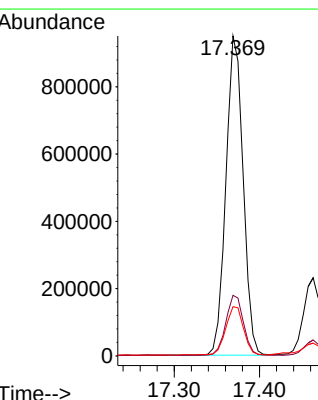
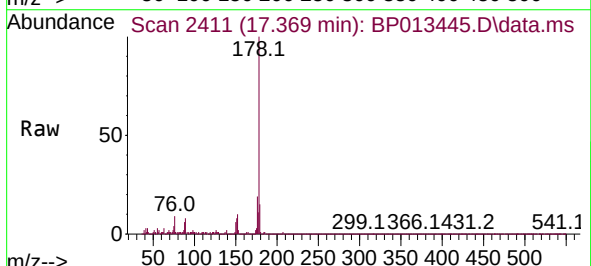
Tgt Ion:178 Resp: 1331380

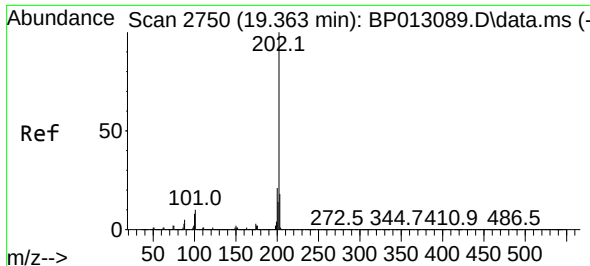
Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

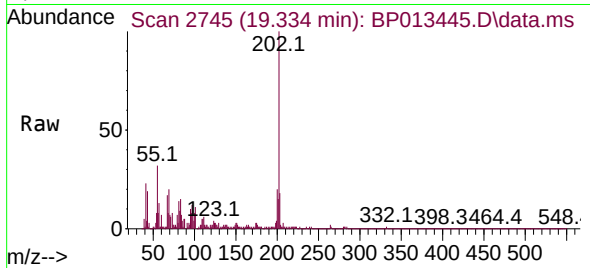
179 15.4 12.6 18.8





#75
Fluoranthene
Concen: 11.761 ng
RT: 19.334 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

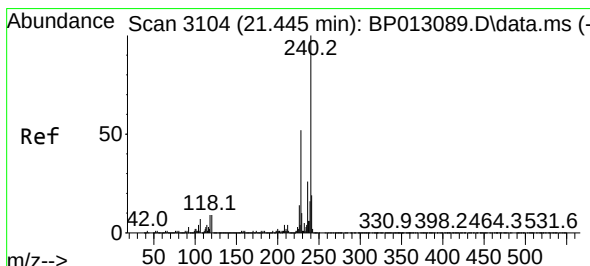
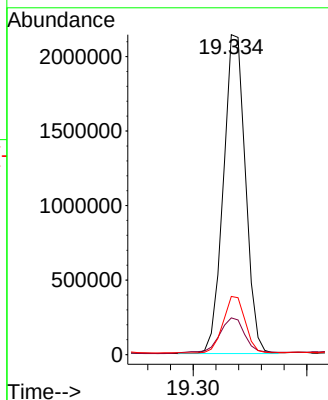
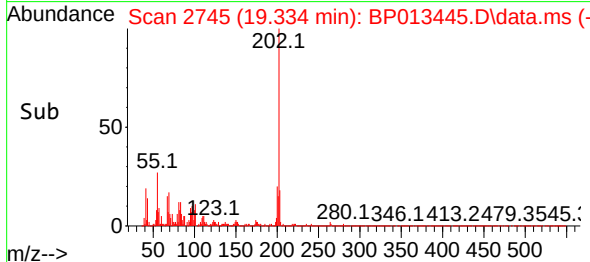
Instrument :
BNA_P
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 2884382
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.0
203 18.2 0.0 37.6

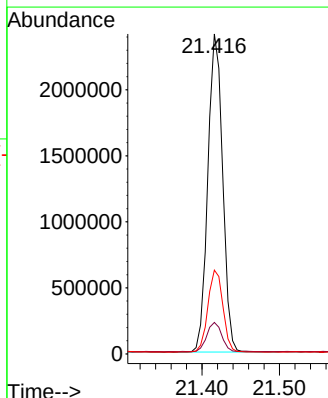
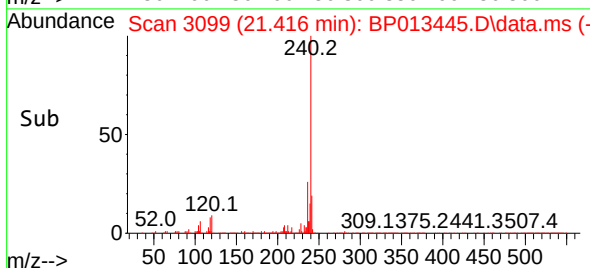
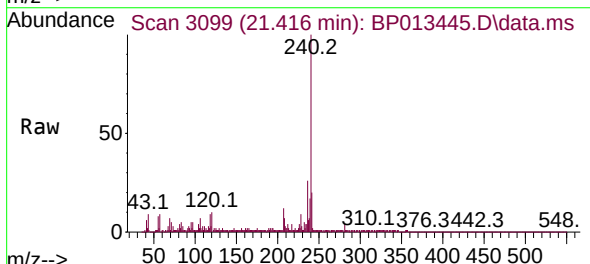
Manual Integrations
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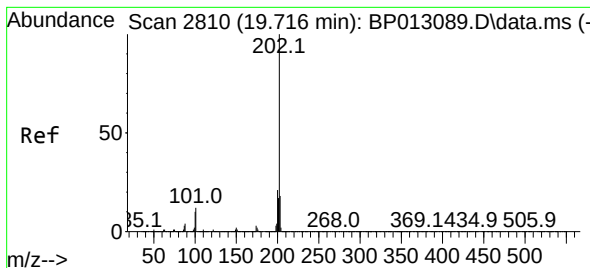
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.416 min Scan# 3099
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:240 Resp: 3195160
Ion Ratio Lower Upper
240 100
120 9.8 7.4 11.2
236 26.2 21.0 31.4





#78

Pyrene

Concen: 10.984 ng

RT: 19.692 min Scan# 2806

Delta R.T. 0.012 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

Tgt Ion:202 Resp: 2521858

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

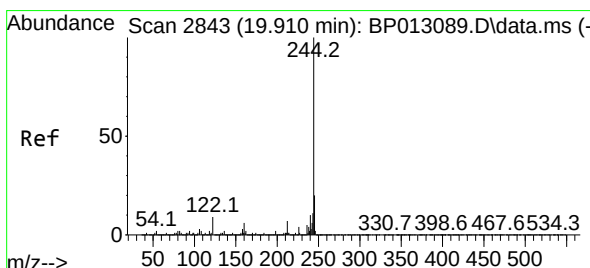
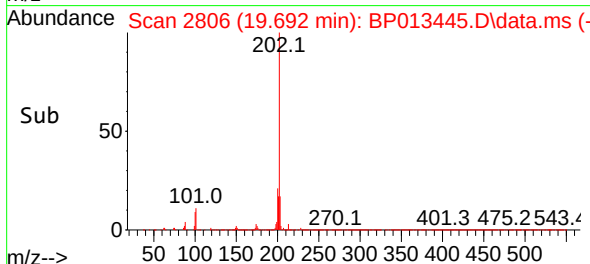
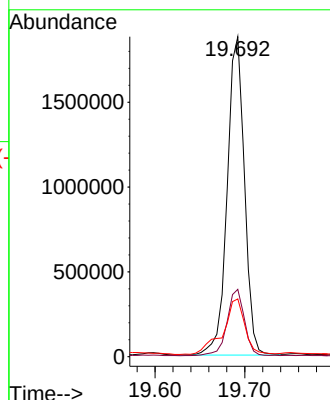
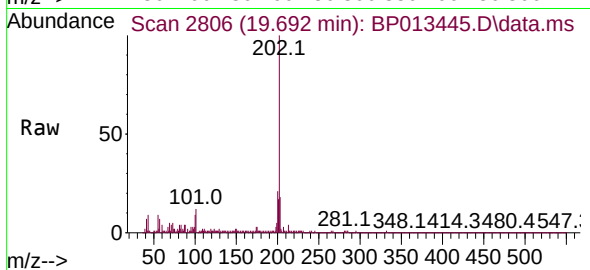
203 18.0 14.2 21.2

Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023

Supervised By :Jagrut Upadhyay 01/12/2023



#79

Terphenyl-d14

Concen: 58.094 ng

RT: 19.881 min Scan# 2838

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

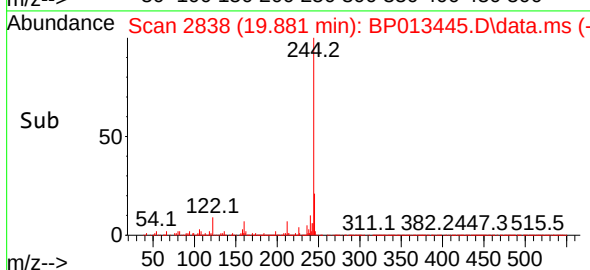
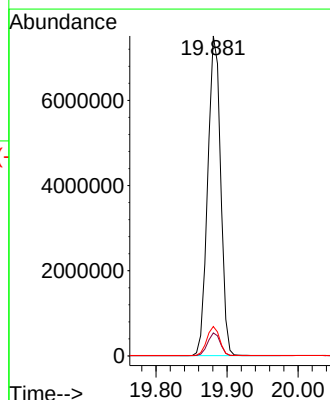
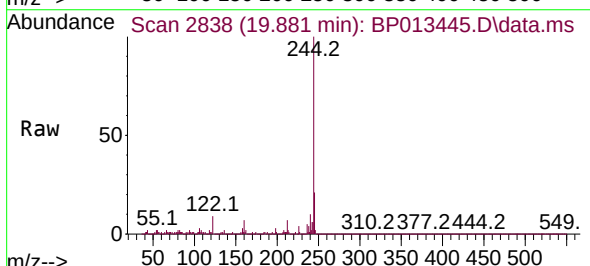
Tgt Ion:244 Resp: 9408533

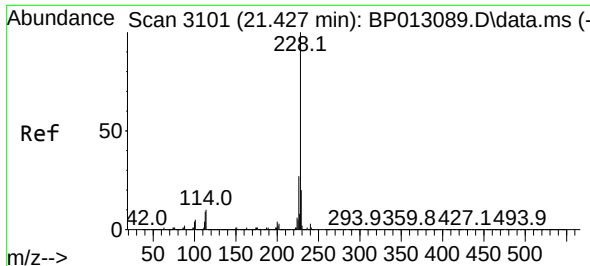
Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

122 9.2 7.2 10.8





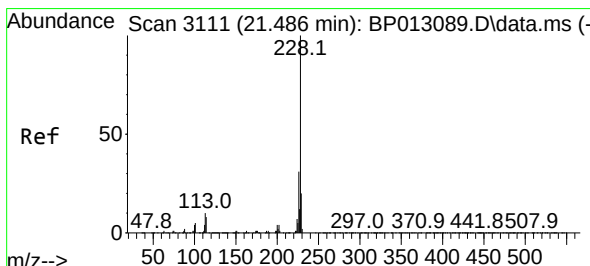
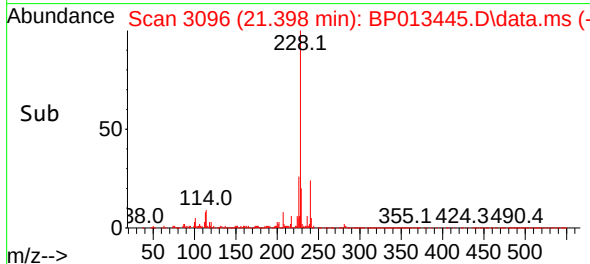
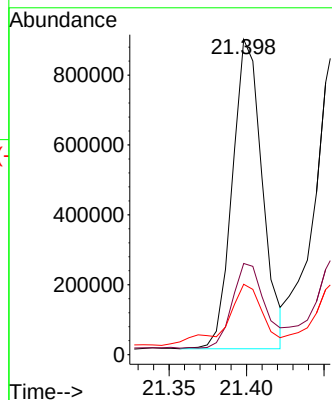
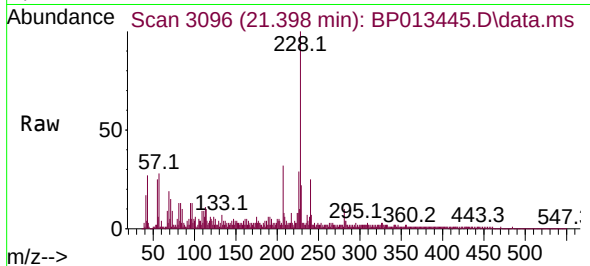
#81
Benzo(a)anthracene
Concen: 5.464 ng
RT: 21.398 min Scan# 30
Delta R.T. 0.006 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Instrument :
BNA_P
ClientSampleId :
TP-3

Tgt Ion:228 Resp: 1193304
Ion Ratio Lower Upper
228 100
226 28.9 22.0 33.0
229 22.3 16.2 24.4

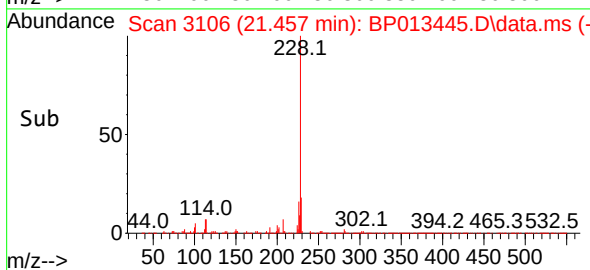
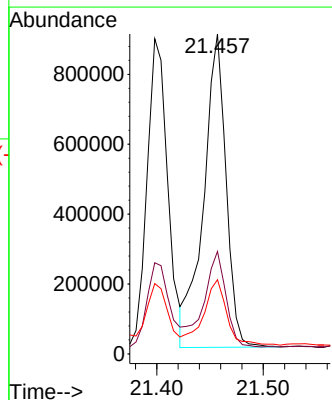
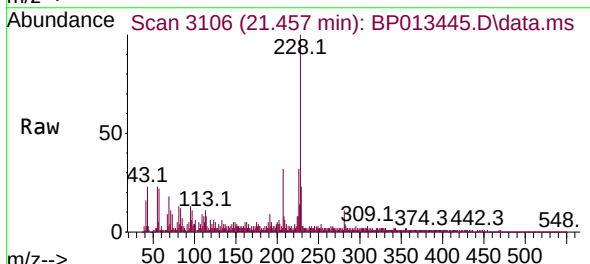
Manual Integrations
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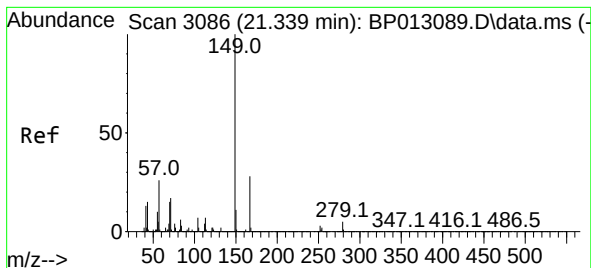
Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#83
Chrysene
Concen: 6.177 ng
RT: 21.457 min Scan# 3106
Delta R.T. 0.012 min
Lab File: BP013445.D
Acq: 11 Jan 2023 15:54

Tgt Ion:228 Resp: 1315895
Ion Ratio Lower Upper
228 100
226 32.0 24.3 36.5
229 23.2 16.0 24.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.733 ng

RT: 21.310 min Scan# 3086

Delta R.T. 0.006 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3

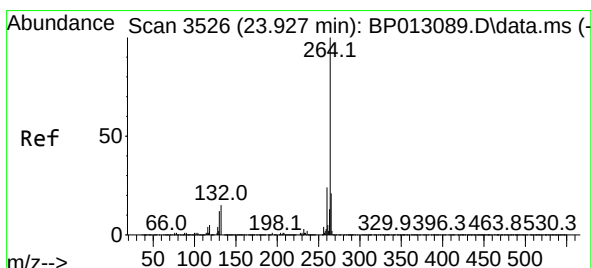
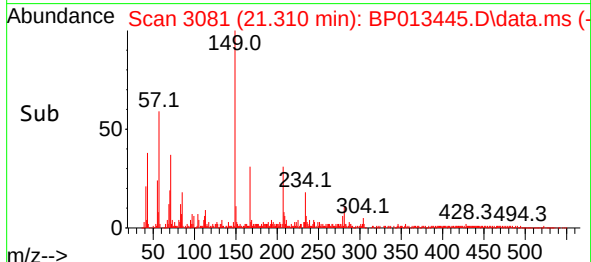
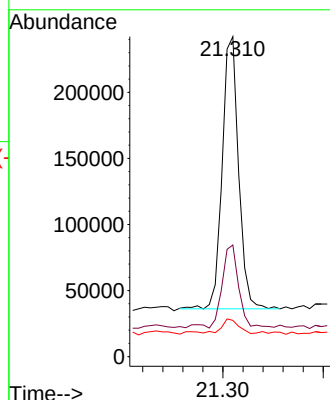
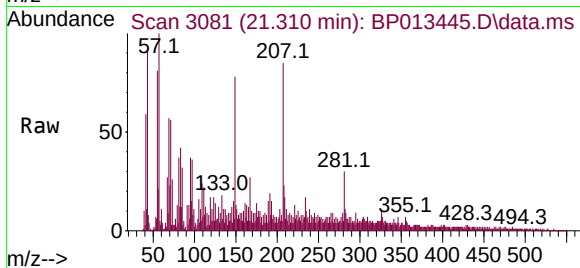
Tgt Ion:	149	Resp:	234602
Ion Ratio	Lower	Upper	
149	100		
167	34.9	22.6	34.0
279	11.3	3.8	5.6

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Supervised By :Jagrut Upadhyay 01/12/2023



#86

Perylene-d12

Concen: 20.000 ng

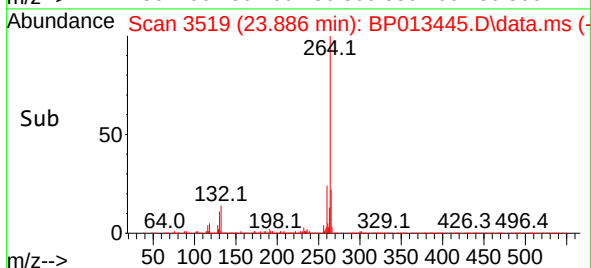
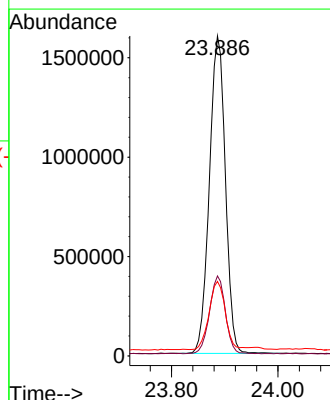
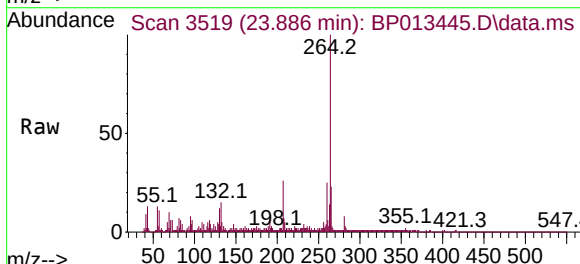
RT: 23.886 min Scan# 3519

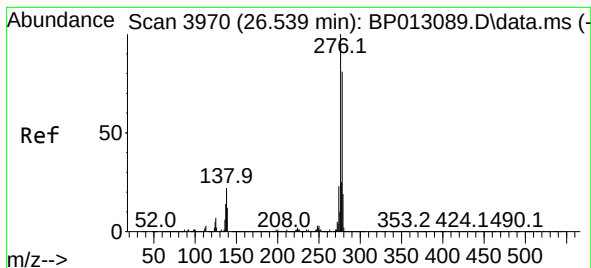
Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Tgt Ion:	264	Resp:	3334937
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.1	28.7
265	23.3	17.7	26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.595 ng

RT: 26.463 min Scan# 3970

Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

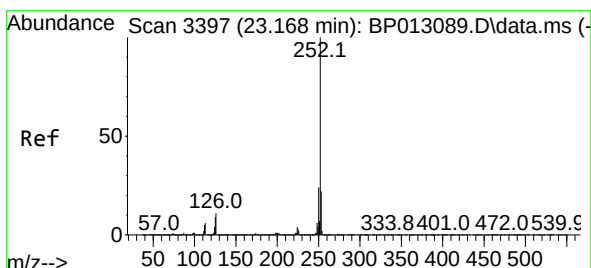
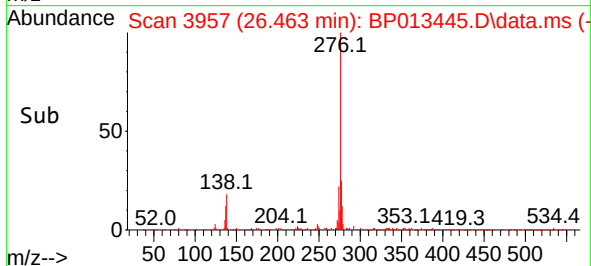
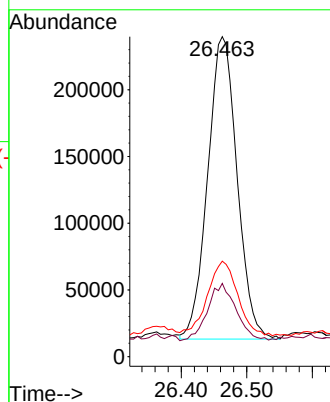
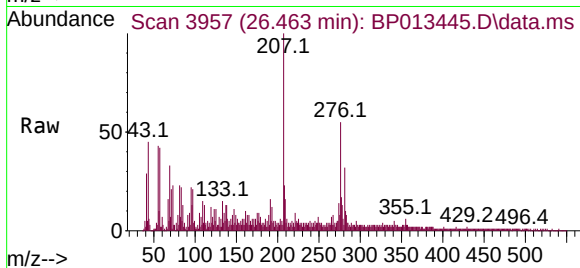
TP-3

Tgt Ion:	276	Resp:	70702
Ion Ratio	Lower	Upper	
276	100		
138	18.3	17.3	25.9
277	24.8	20.2	30.2

Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023
Supervised By :Jagrut Upadhyay 01/12/2023



#88

Benzo(b)fluoranthene

Concen: 6.731 ng

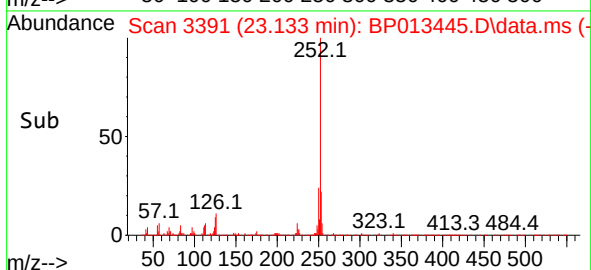
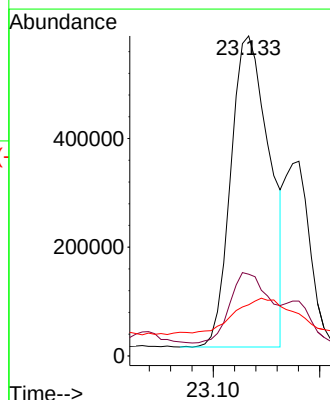
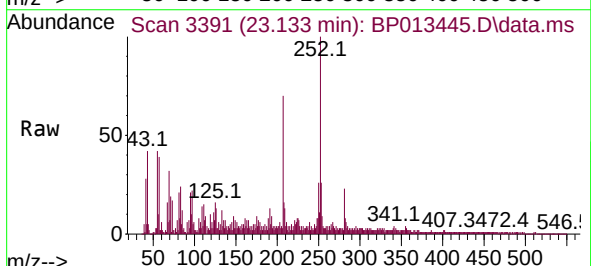
RT: 23.133 min Scan# 3391

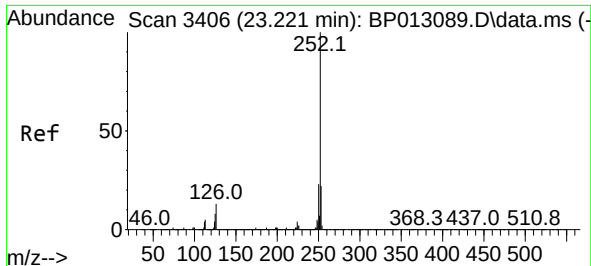
Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Tgt Ion:	252	Resp:	1445356
Ion Ratio	Lower	Upper	
252	100		
253	25.5	17.8	26.6
125	16.0	7.0	10.4





#89

Benzo(k)fluoranthene

Concen: 2.631 ng m

RT: 23.180 min Scan# 3406

Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

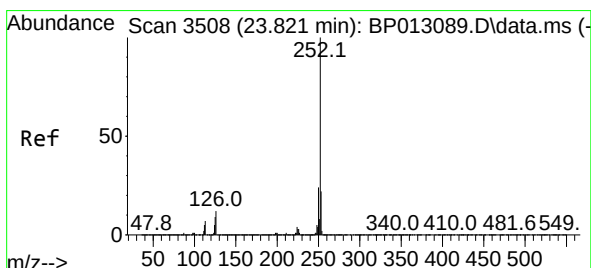
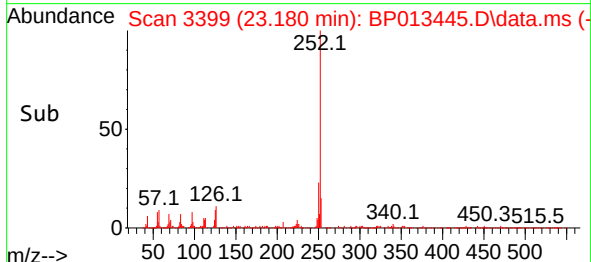
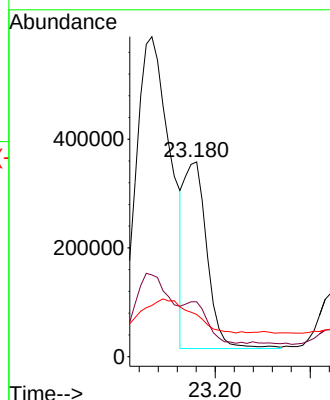
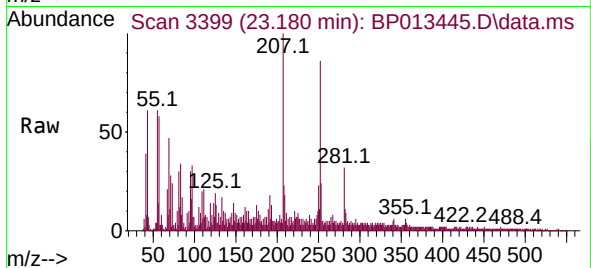
TP-3

Tgt Ion:252 Resp: 571477
 Ion Ratio Lower Upper
 252 100
 253 28.2 17.6 26.4
 125 21.6 6.7 10.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023
 Supervised By :Jagrut Upadhyay 01/12/2023



#90

Benzo(a)pyrene

Concen: 5.493 ng

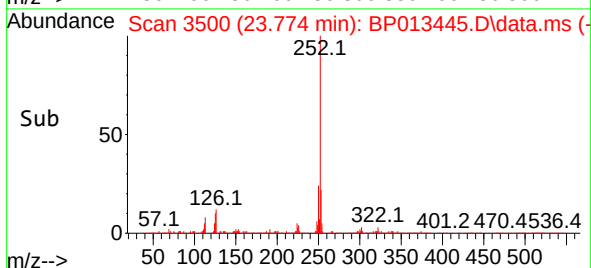
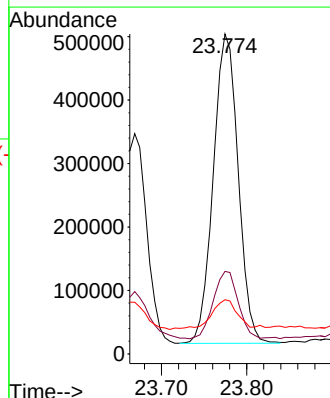
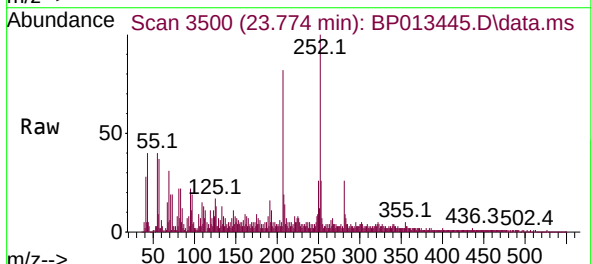
RT: 23.774 min Scan# 3500

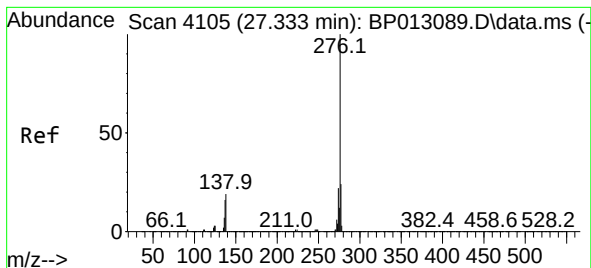
Delta R.T. 0.018 min

Lab File: BP013445.D

Acq: 11 Jan 2023 15:54

Tgt Ion:252 Resp: 989743
 Ion Ratio Lower Upper
 252 100
 253 25.8 17.5 26.3
 125 16.9 7.4 11.2





#92

Benzo(g,h,i)perylene

Concen: 3.012 ng

RT: 27.263 min Scan# 40

Delta R.T. 0.030 min

Lab File: BP013445.D

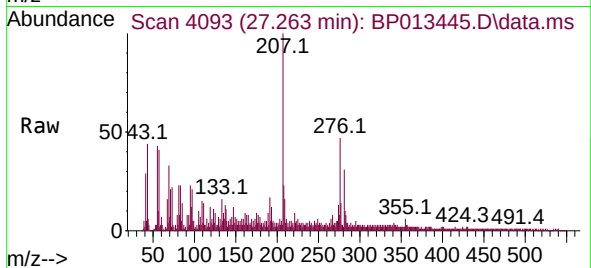
Acq: 11 Jan 2023 15:54

Instrument :

BNA_P

ClientSampleId :

TP-3



Tgt Ion:276 Resp: 67583

Ion Ratio Lower Upper

276 100

277 30.3 18.9 28.3

138 22.9 15.0 22.6

Manual Integrations

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Reviewed By :Christian Giraldo 01/12/2023

Supervised By :Jagrut Upadhyay 01/12/2023

