

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013852.D
 Acq On : 17 Feb 2023 19:07
 Operator : CG/JU
 Sample : 01586-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/20/2023
 Supervised By :Jagrut Upadhyay 02/20/2023

Quant Time: Feb 17 22:07:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 18:05:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	159024	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	589976	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	398899	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	953861	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1019288	20.000	ng	0.00
86) Perylene-d12	24.133	264	1159954	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	68466	7.096	ng	0.00
7) Phenol-d6	7.257	99	525293	42.508	ng	0.00
23) Nitrobenzene-d5	9.281	82	490597	44.904	ng	0.00
42) 2,4,6-Tribromophenol	16.228	330	7918	1.364	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1201045	39.547	ng	0.00
79) Terphenyl-d14	20.027	244	2371116	44.757	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.539	178	273218	5.113	ng	99
75) Fluoranthene	19.492	202	583968	8.766	ng	99
78) Pyrene	19.845	202	529170	7.597	ng	100
81) Benzo(a)anthracene	21.557	228	319511	4.377	ng	98
83) Chrysene	21.616	228	298832	4.226	ng	98
87) Indeno(1,2,3-cd)pyrene	26.821	276	200009	2.217	ng	95
88) Benzo(b)fluoranthene	23.345	252	411013	5.603	ng	# 92
89) Benzo(k)fluoranthene	23.392	252	148983m	2.001	ng	
90) Benzo(a)pyrene	24.015	252	267230	3.768	ng	# 93
92) Benzo(g,h,i)perylene	27.651	276	206778	2.766	ng	95

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

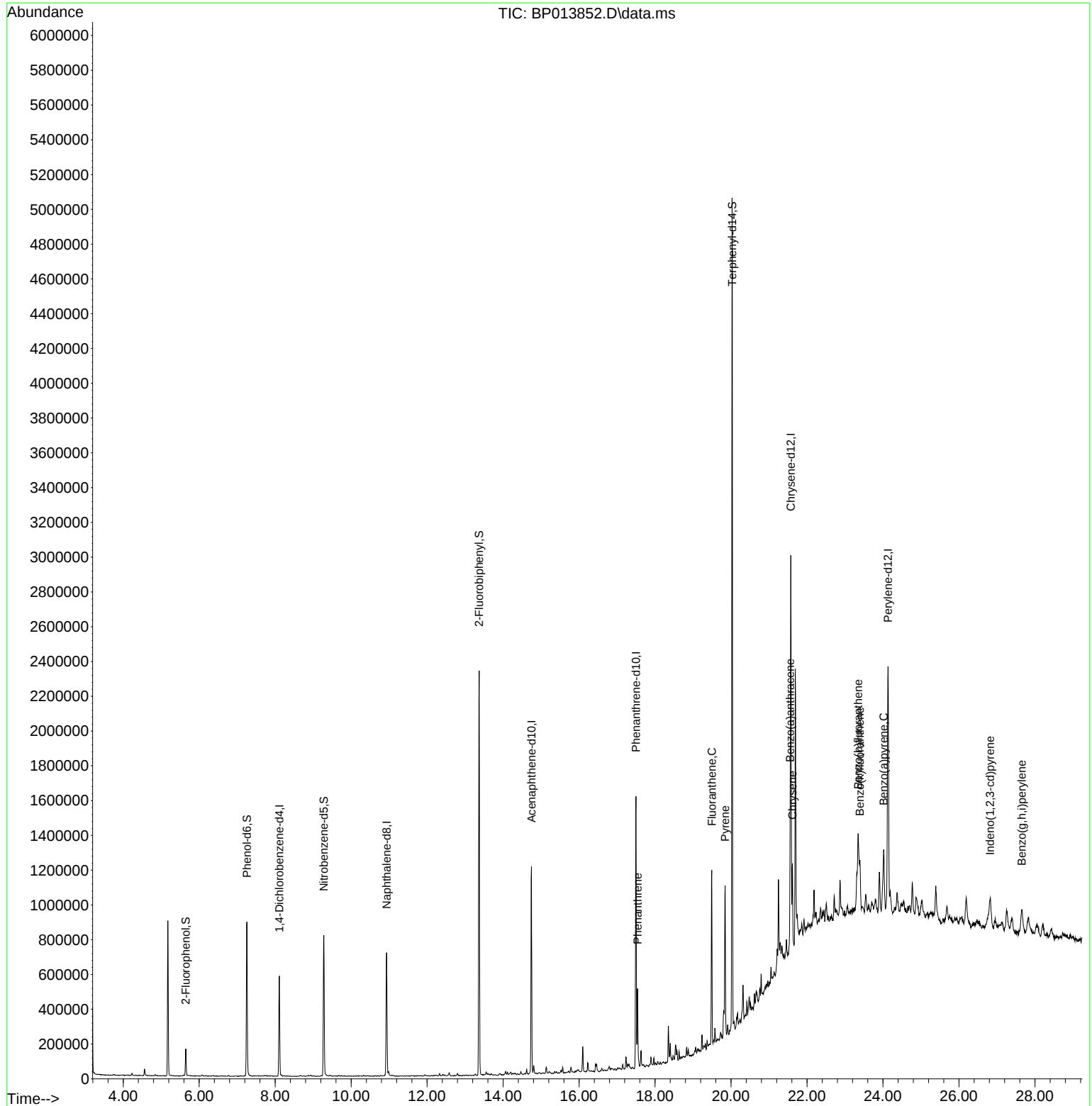
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
Data File : BP013852.D
Acq On : 17 Feb 2023 19:07
Operator : CG/JU
Sample : 01586-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

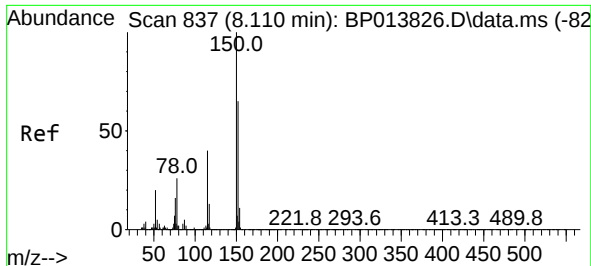
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
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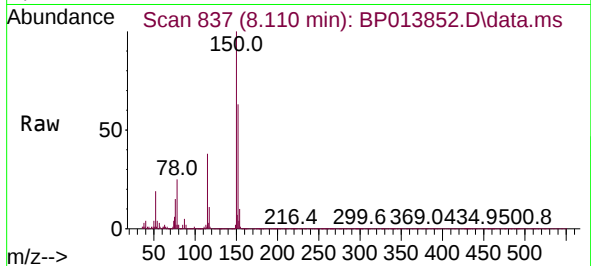
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

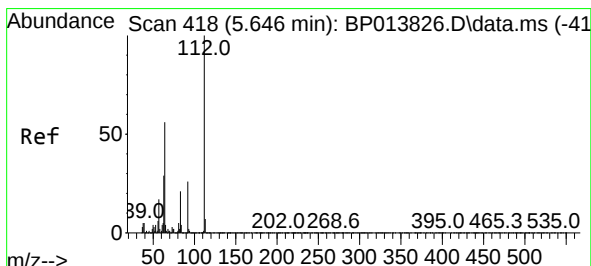
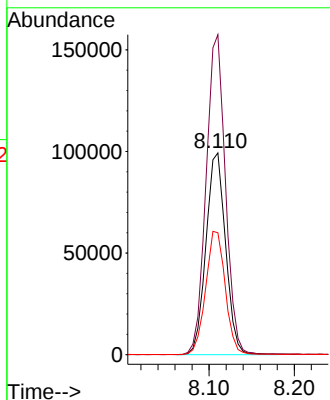
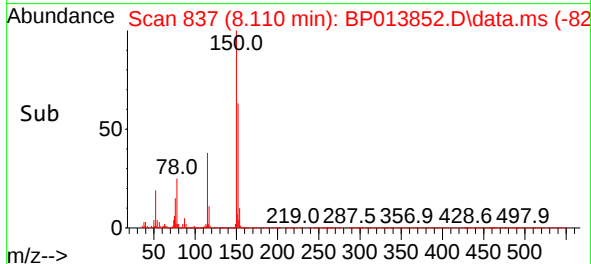
Instrument :
BNA_P
ClientSampleId :
COMP-3



Tgt Ion:152 Resp: 159024
Ion Ratio Lower Upper
152 100
150 158.6 122.8 184.2
115 60.4 49.0 73.6

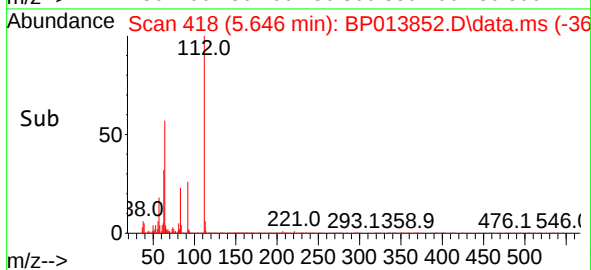
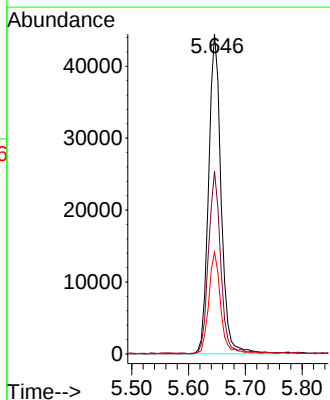
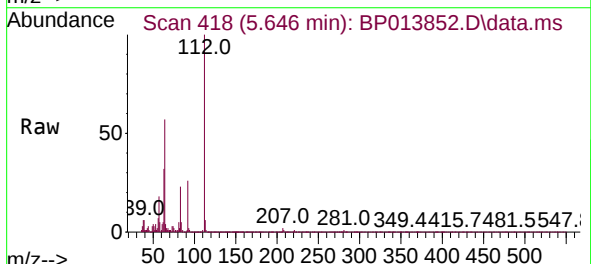
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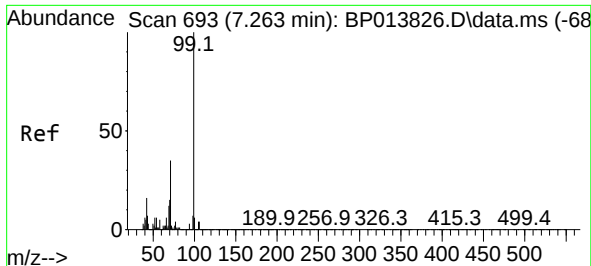
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#5
2-Fluorophenol
Concen: 7.096 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:112 Resp: 68466
Ion Ratio Lower Upper
112 100
64 57.1 44.6 66.8
63 31.8 23.6 35.4





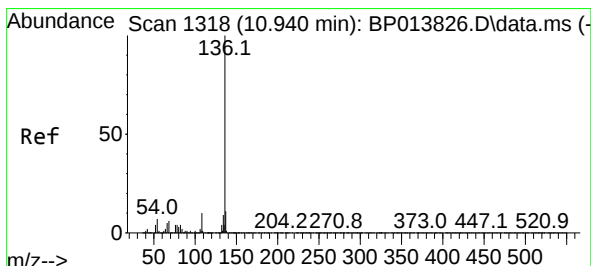
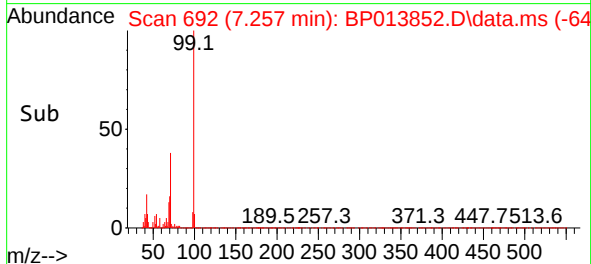
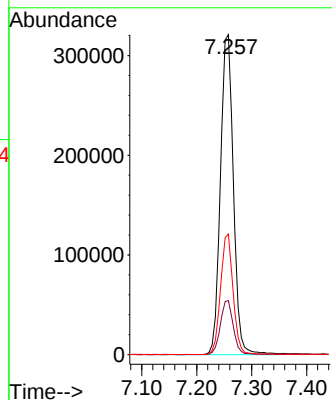
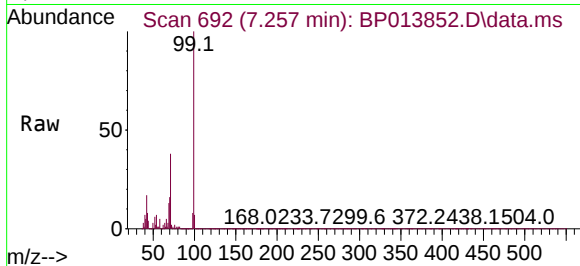
#7
Phenol-d6
Concen: 42.508 ng
RT: 7.257 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Instrument :
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ClientSampleId :
COMP-3

Tgt Ion: 99 Resp: 525293
Ion Ratio Lower Upper
99 100
42 16.9 12.5 18.7
71 37.7 27.8 41.8

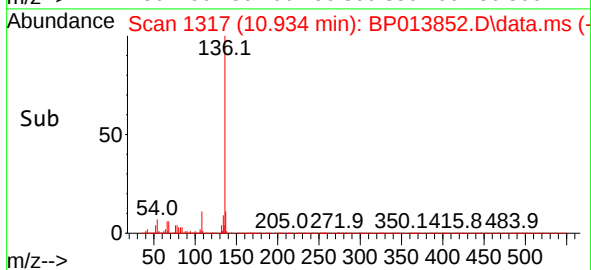
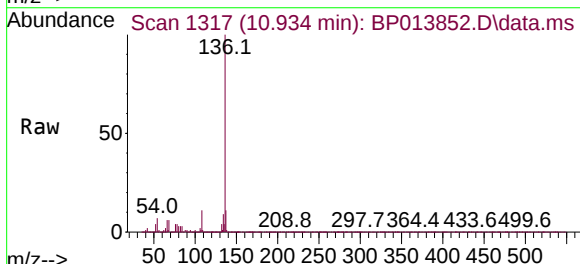
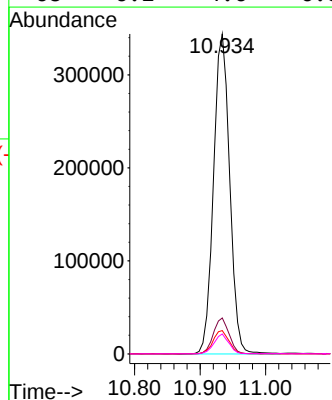
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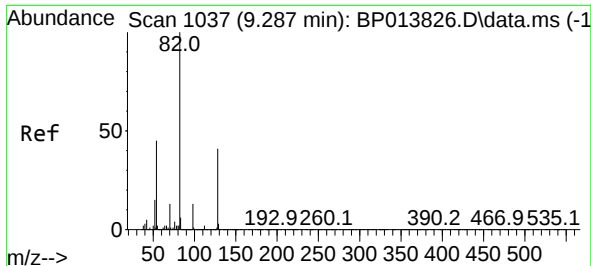
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

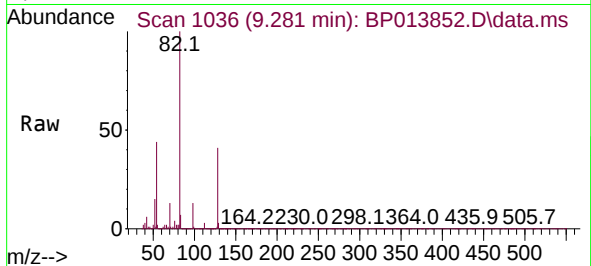
Tgt Ion:136 Resp: 589976
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 7.3 5.8 8.6
68 6.2 4.6 6.8





#23
Nitrobenzene-d5
Concen: 44.904 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

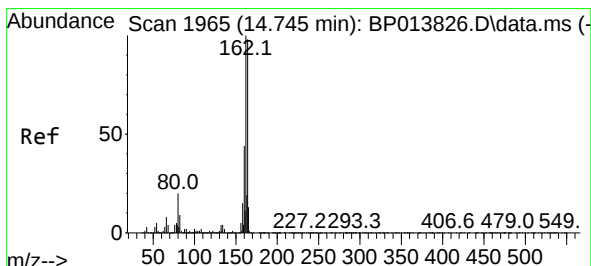
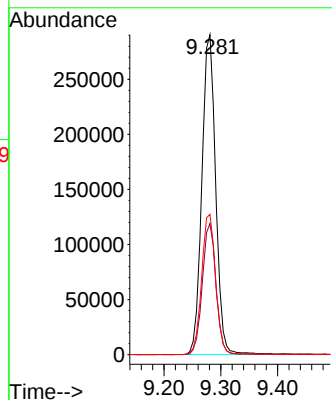
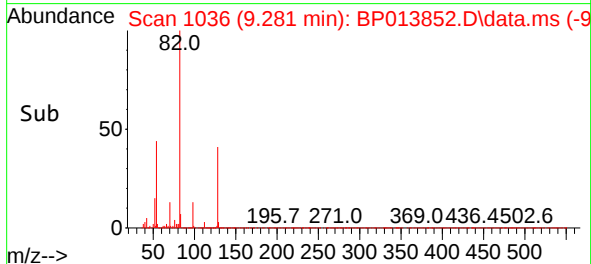
Instrument :
BNA_P
ClientSampleId :
COMP-3



Tgt Ion: 82 Resp: 490597
Ion Ratio Lower Upper
82 100
128 41.0 32.9 49.3
54 43.8 35.6 53.4

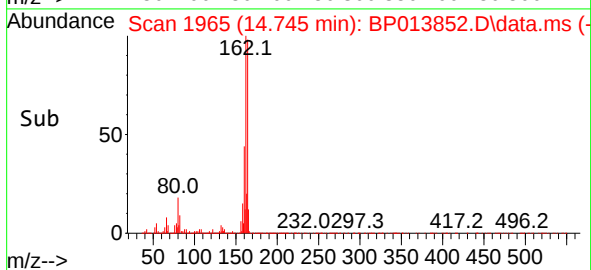
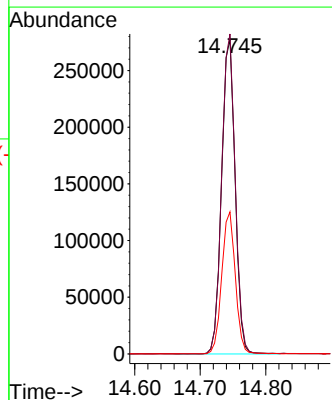
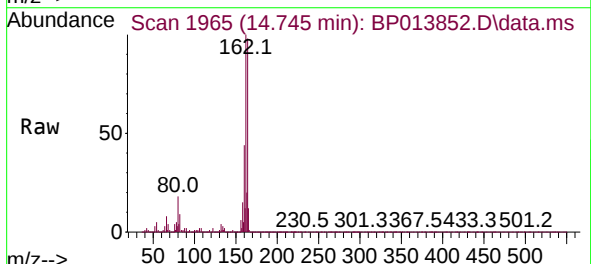
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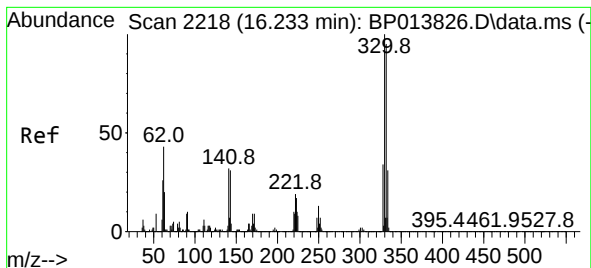
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.745 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

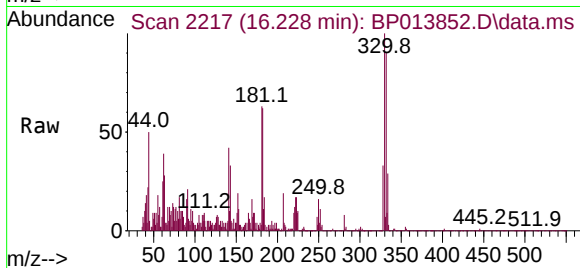
Tgt Ion:164 Resp: 398899
Ion Ratio Lower Upper
164 100
162 101.7 81.7 122.5
160 45.1 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 1.364 ng
RT: 16.228 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

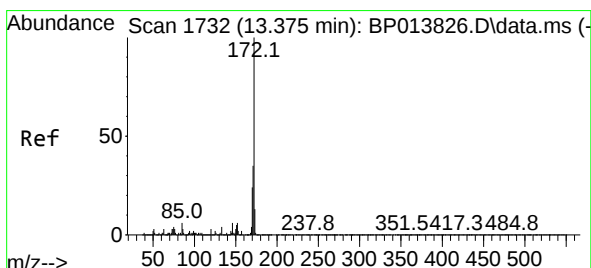
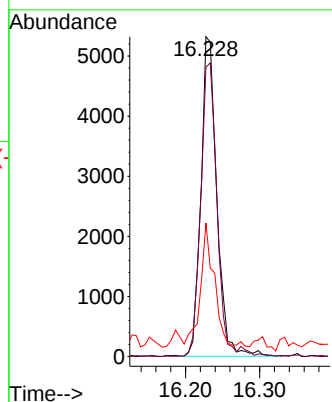
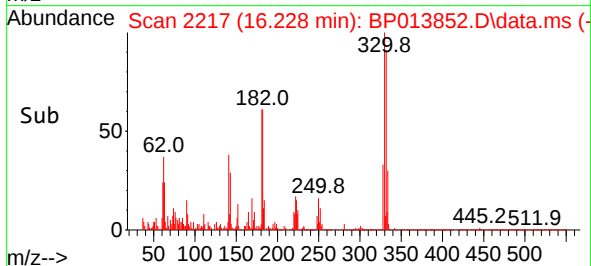
Instrument :
BNA_P
ClientSampleId :
COMP-3



Tgt Ion: 330 Resp: 7918
Ion Ratio Lower Upper
330 100
332 93.0 76.7 115.1
141 32.5 25.1 37.7

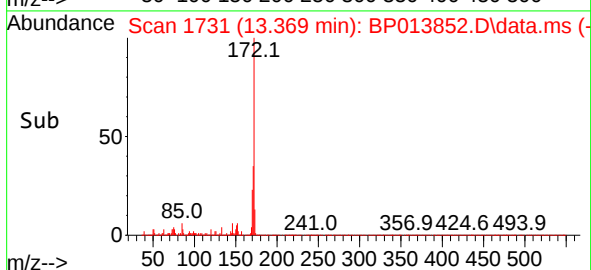
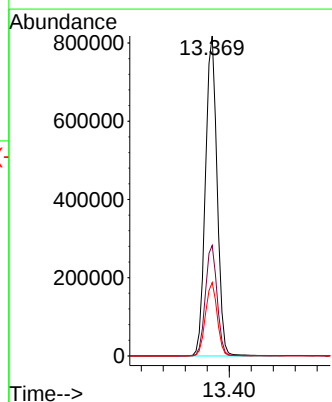
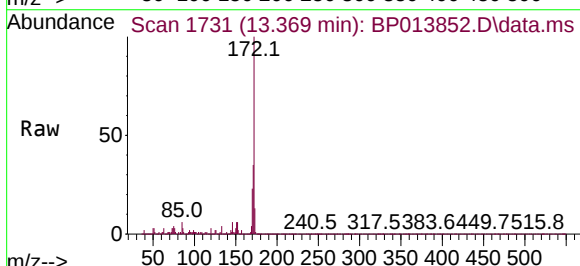
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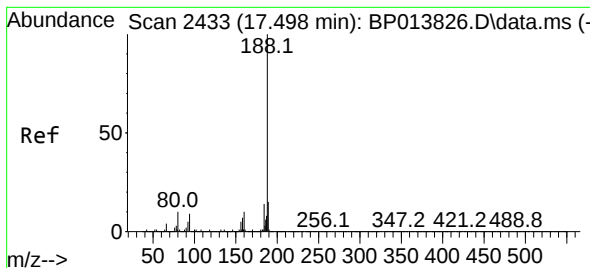
Reviewed By : Yogesh Patel 02/20/2023
Supervised By : Jagrut Upadhyay 02/20/2023



#45
2-Fluorobiphenyl
Concen: 39.547 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion: 172 Resp: 1201045
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.4
170 22.9 19.0 28.4





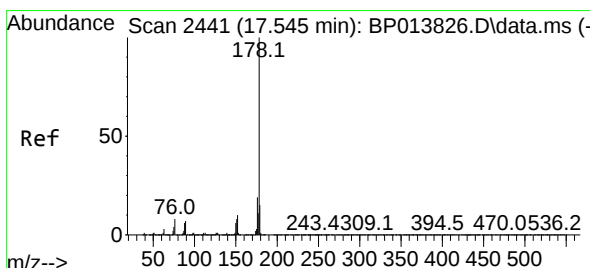
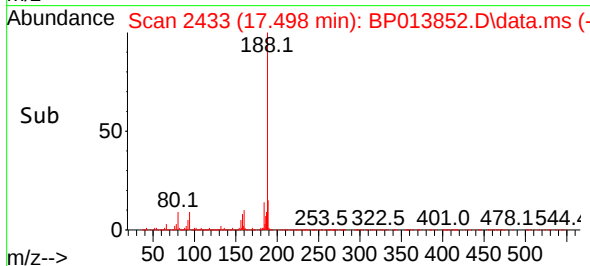
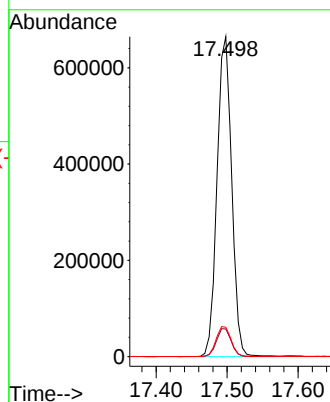
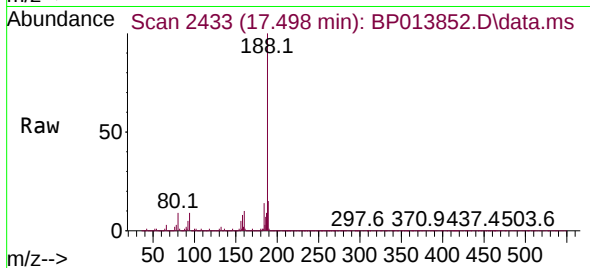
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.498 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Instrument :
BNA_P
ClientSampleId :
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Tgt Ion:188 Resp: 953861
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 9.2 7.8 11.8

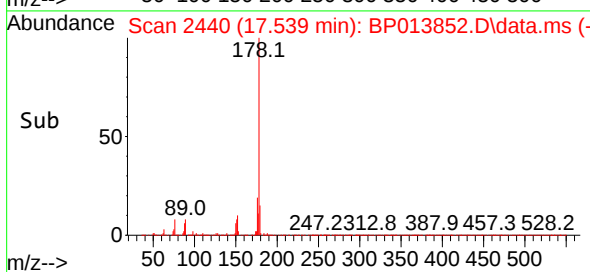
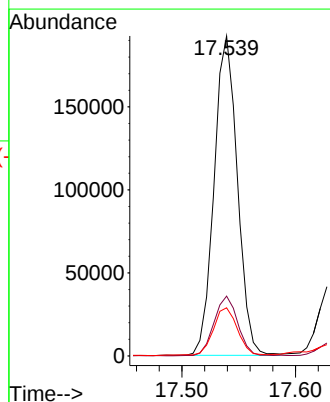
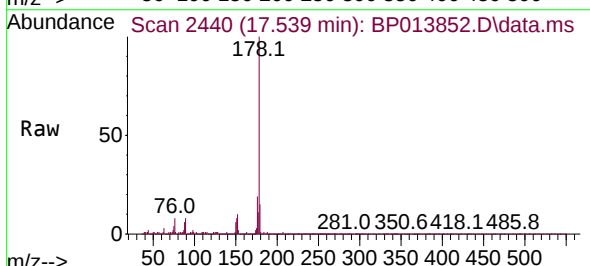
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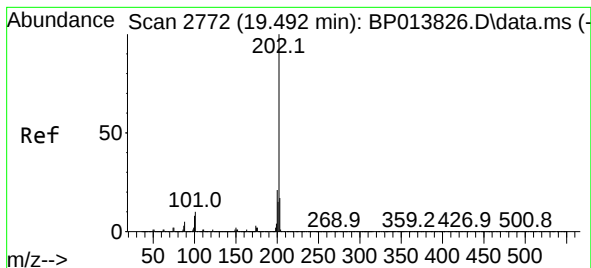
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#71
Phenanthrene
Concen: 5.113 ng
RT: 17.539 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BP013852.D
Acq: 17 Feb 2023 19:07

Tgt Ion:178 Resp: 273218
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.0 12.2 18.4





#75

Fluoranthene

Concen: 8.766 ng

RT: 19.492 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

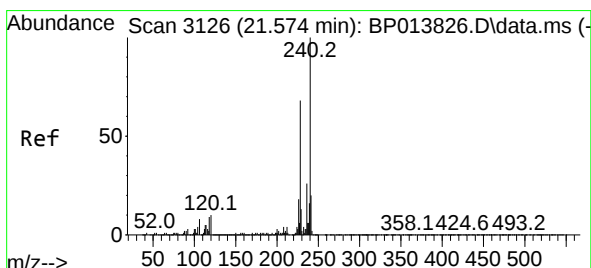
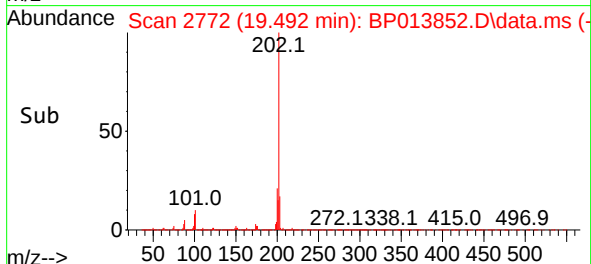
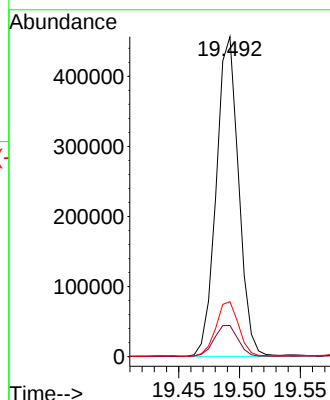
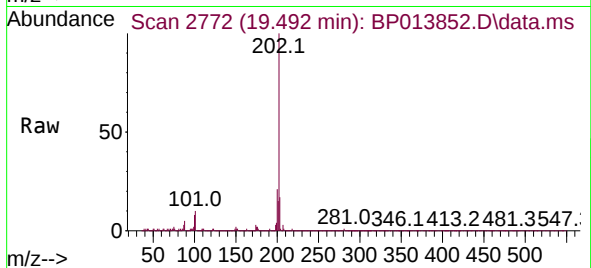
Tgt Ion:	202	Resp:	583968
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	30.0
203	17.2	0.0	37.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 02/20/2023



#76

Chrysene-d12

Concen: 20.000 ng

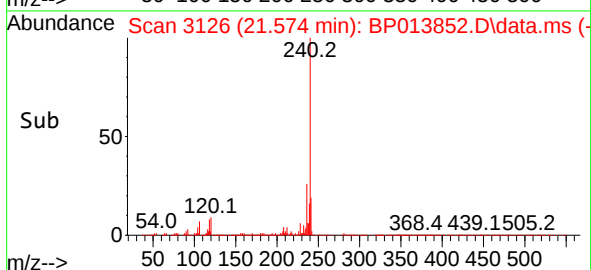
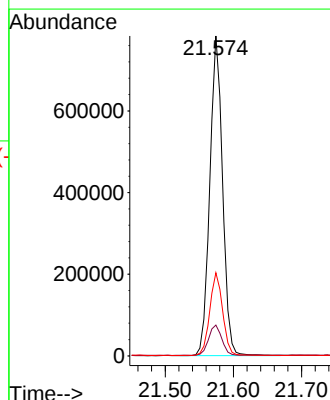
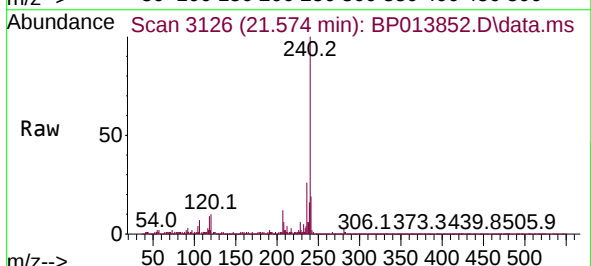
RT: 21.574 min Scan# 3126

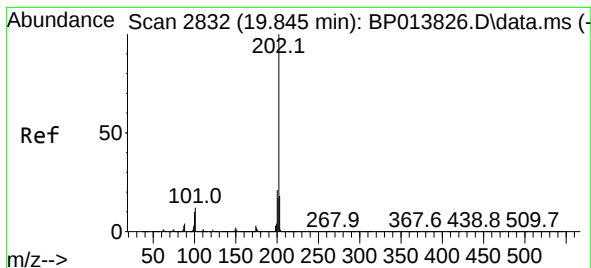
Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Tgt Ion:	240	Resp:	1019288
Ion Ratio	Lower	Upper	
240	100		
120	9.6	7.9	11.9
236	26.0	20.9	31.3





#78

Pyrene

Concen: 7.597 ng

RT: 19.845 min Scan# 2832

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

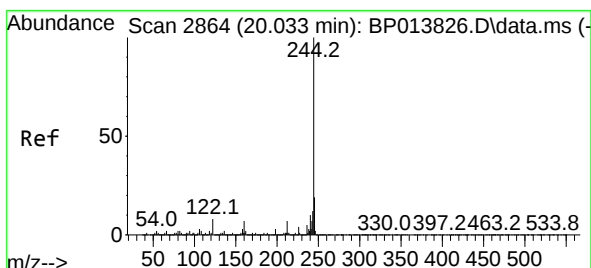
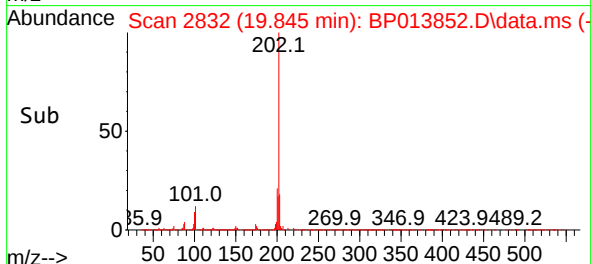
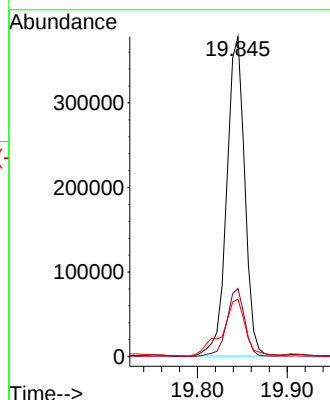
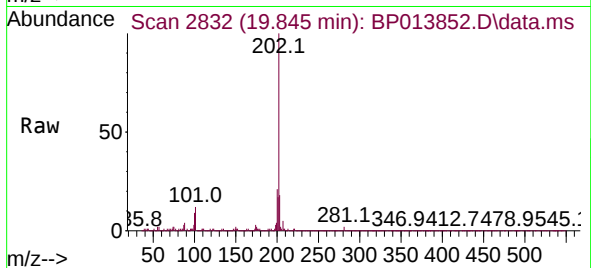
Tgt Ion:	202	Resp:	529170
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.9	25.3
203	18.0	14.2	21.2

Manual Integrations

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#79

Terphenyl-d14

Concen: 44.757 ng

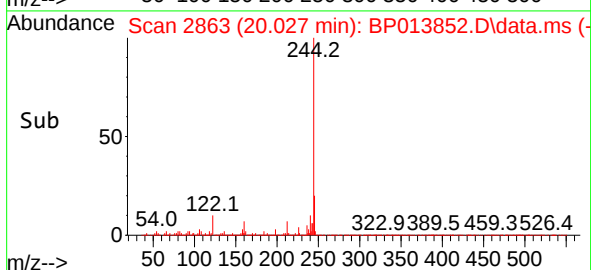
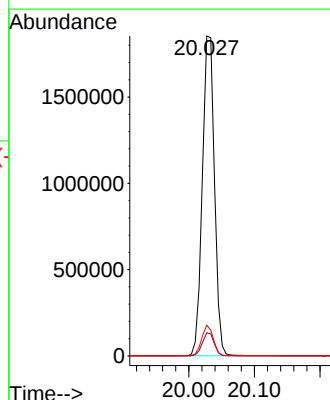
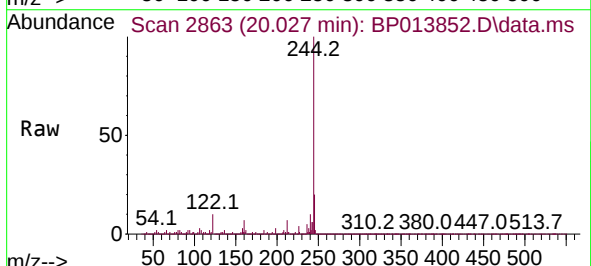
RT: 20.027 min Scan# 2863

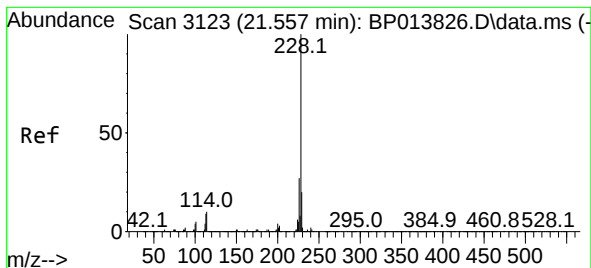
Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Tgt Ion:	244	Resp:	2371116
Ion Ratio	Lower	Upper	
244	100		
212	7.2	5.8	8.6
122	9.6	6.7	10.1





#81

Benzo(a)anthracene

Concen: 4.377 ng

RT: 21.557 min Scan# 3123

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

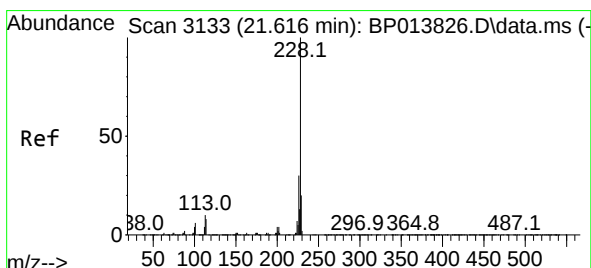
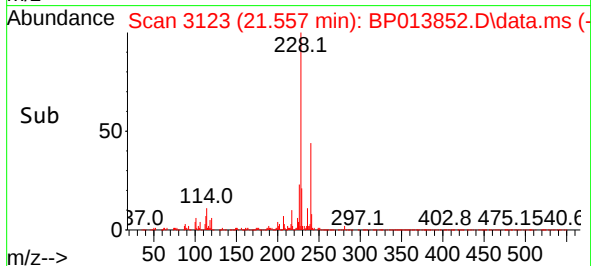
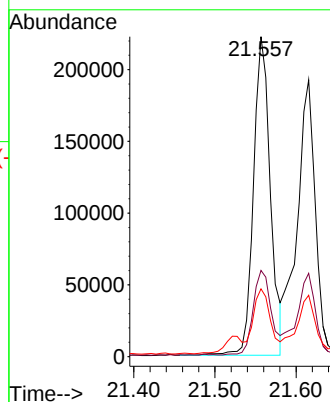
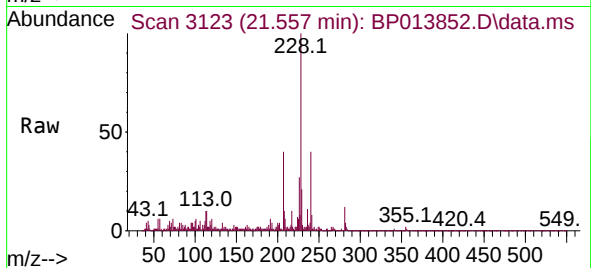
ClientSampleId :

COMP-3

Tgt Ion:228 Resp: 319511
 Ion Ratio Lower Upper
 228 100
 226 26.9 21.7 32.5
 229 21.2 15.8 23.6

Manual Integrations
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Reviewed By :Yogesh Patel 02/20/2023
 Supervised By :Jagrut Upadhyay 02/20/2023



#83

Chrysene

Concen: 4.226 ng

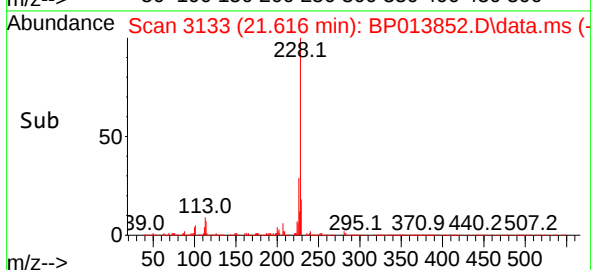
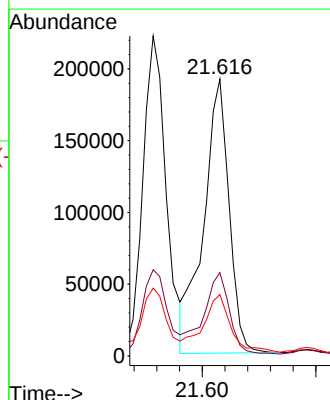
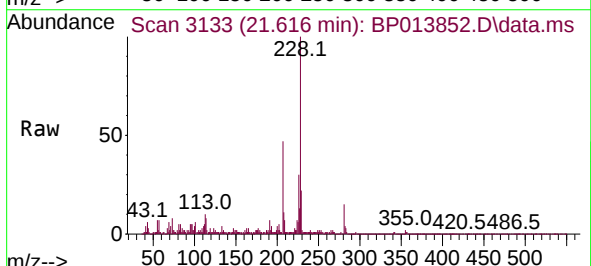
RT: 21.616 min Scan# 3133

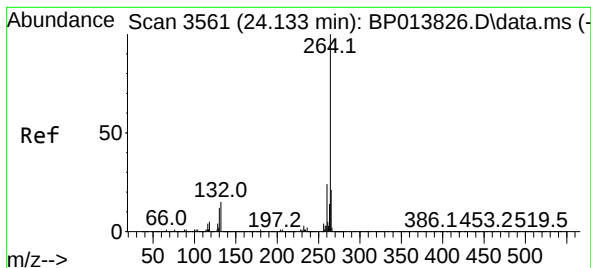
Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Tgt Ion:228 Resp: 298832
 Ion Ratio Lower Upper
 228 100
 226 30.1 23.8 35.8
 229 22.2 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.133 min Scan# 3561

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

Tgt Ion:264 Resp: 1159954

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.0

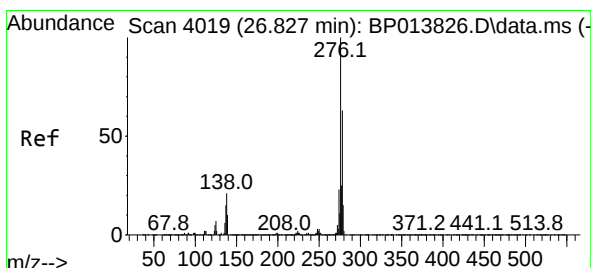
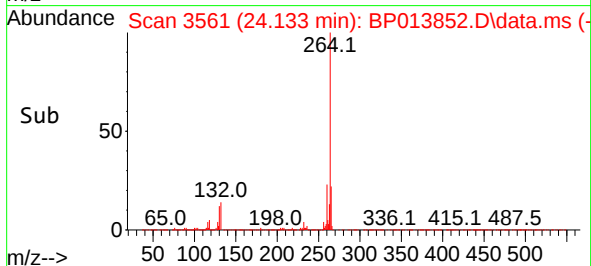
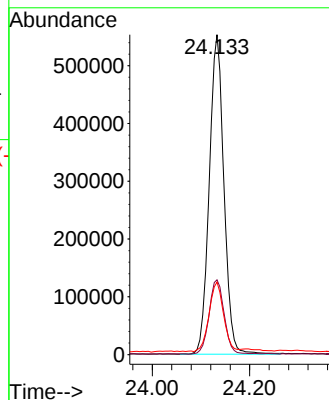
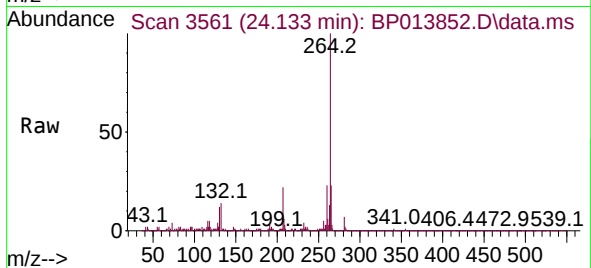
265 22.7 17.6 26.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.217 ng

RT: 26.821 min Scan# 4018

Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

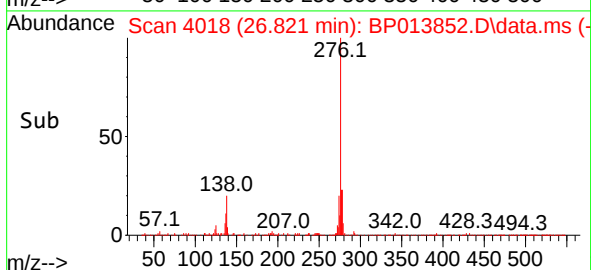
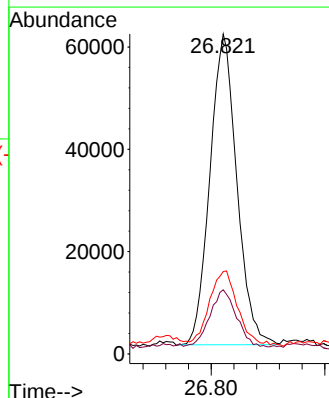
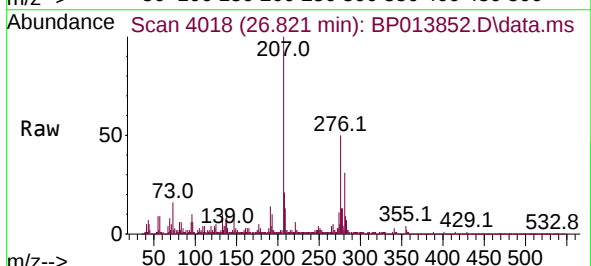
Tgt Ion:276 Resp: 200009

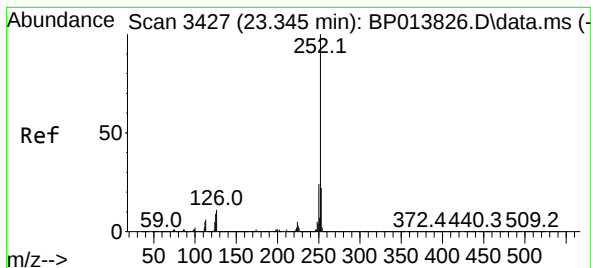
Ion Ratio Lower Upper

276 100

138 17.9 17.8 26.8

277 25.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 5.603 ng

RT: 23.345 min Scan# 3427

Delta R.T. 0.000 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

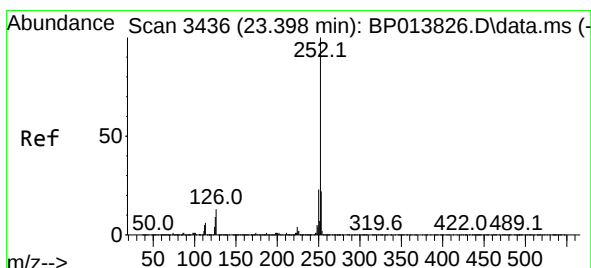
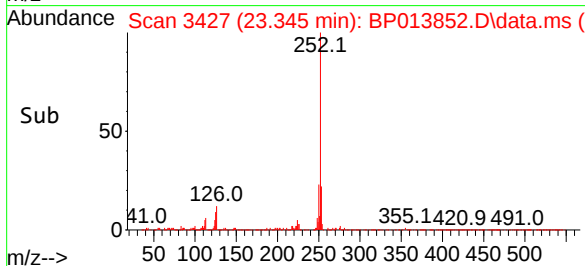
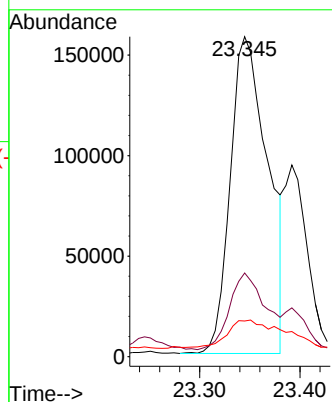
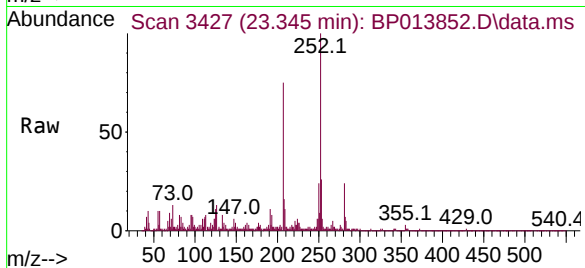
Tgt Ion:	252	Resp:	411013
Ion Ratio	Lower	Upper	
252	100		
253	26.1	17.8	26.6
125	11.1	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#89

Benzo(k)fluoranthene

Concen: 2.001 ng m

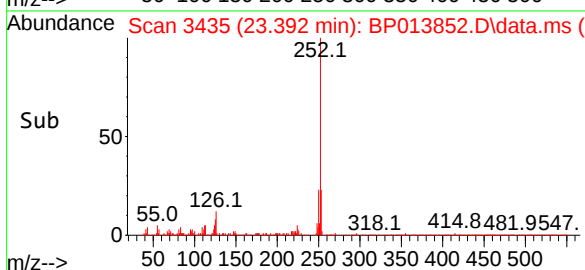
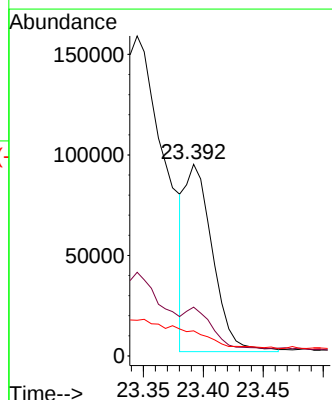
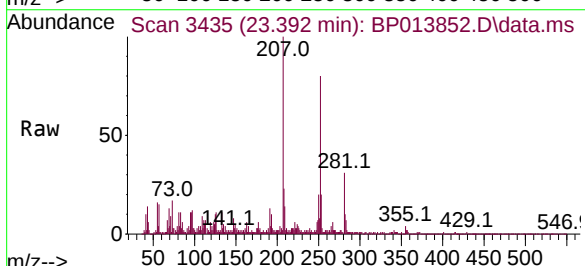
RT: 23.392 min Scan# 3435

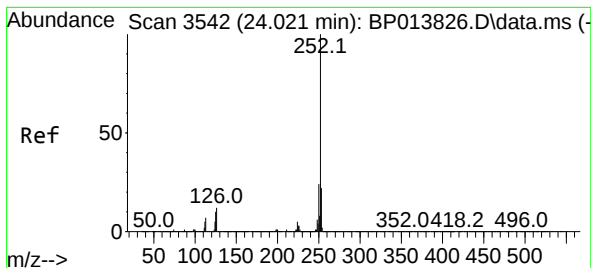
Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Tgt Ion:	252	Resp:	148983
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.5	26.3
125	13.1	7.0	10.4





#90

Benzo(a)pyrene

Concen: 3.768 ng

RT: 24.015 min Scan# 3542

Delta R.T. -0.006 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Instrument :

BNA_P

ClientSampleId :

COMP-3

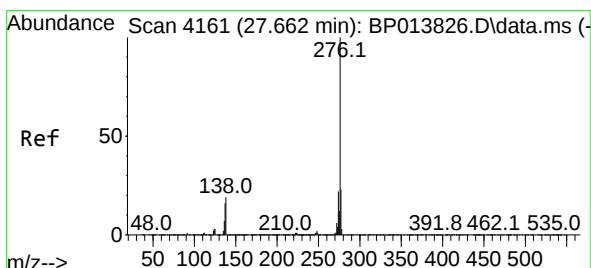
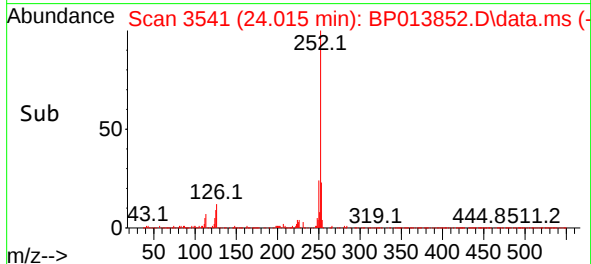
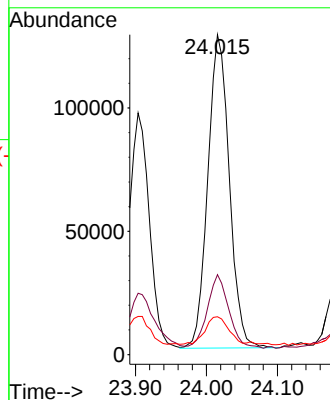
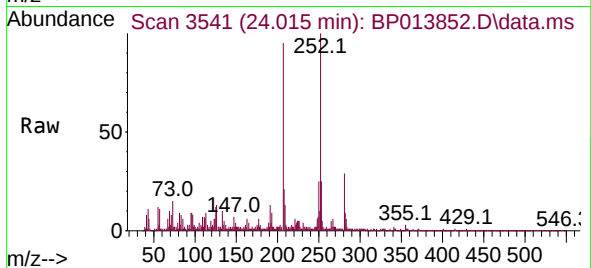
Tgt Ion:252 Resp: 267230
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.4 26.0
 125 11.8 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#92

Benzo(g,h,i)perylene

Concen: 2.766 ng

RT: 27.651 min Scan# 4159

Delta R.T. -0.012 min

Lab File: BP013852.D

Acq: 17 Feb 2023 19:07

Tgt Ion:276 Resp: 206778
 Ion Ratio Lower Upper
 276 100
 277 26.5 18.7 28.1
 138 20.6 15.5 23.3

