

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013855.D
 Acq On : 17 Feb 2023 20:50
 Operator : CG/JU
 Sample : 01586-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-2

Quant Time: Feb 17 22:08:16 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.110	152	173784	20.000	ng	0.00
21) Naphthalene-d8	10.934	136	687096	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	454376	20.000	ng	0.00
64) Phenanthrene-d10	17.498	188	1034823	20.000	ng	0.00
76) Chrysene-d12	21.580	240	958810	20.000	ng	0.00
86) Perylene-d12	24.139	264	1152351	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.652	112	26583	2.521	ng	0.00
7) Phenol-d6	7.258	99	489033	36.212	ng	0.00
23) Nitrobenzene-d5	9.281	82	595968	46.838	ng	0.00
42) 2,4,6-Tribromophenol	16.239	330	1155	0.175	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1436261	41.518	ng	0.00
79) Terphenyl-d14	20.033	244	2371736	47.592	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.545	178	350325	6.043	ng	99
75) Fluoranthene	19.492	202	736172	10.186	ng	99
78) Pyrene	19.845	202	648157	9.892	ng	99
81) Benzo(a)anthracene	21.563	228	381981	5.563	ng	96
83) Chrysene	21.621	228	346147m	5.204	ng	
87) Indeno(1,2,3-cd)pyrene	26.839	276	228169	2.545	ng	# 95
88) Benzo(b)fluoranthene	23.351	252	463658	6.362	ng	# 92
89) Benzo(k)fluoranthene	23.398	252	172572m	2.333	ng	
90) Benzo(a)pyrene	24.021	252	323150	4.586	ng	# 94
92) Benzo(g,h,i)perylene	27.668	276	221696	2.985	ng	96

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

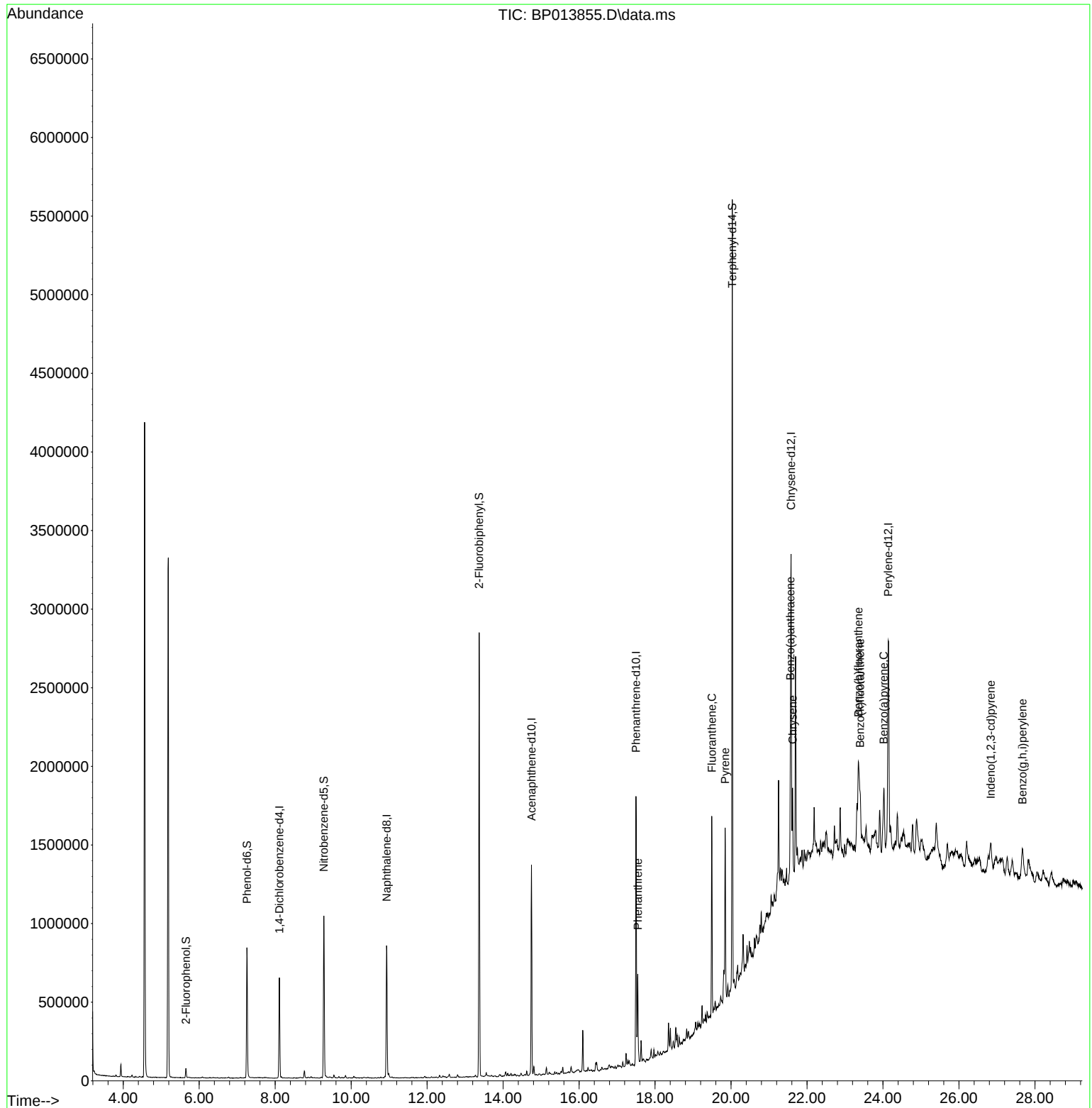
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
Data File : BP013855.D
Acq On : 17 Feb 2023 20:50
Operator : CG/JU
Sample : 01586-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

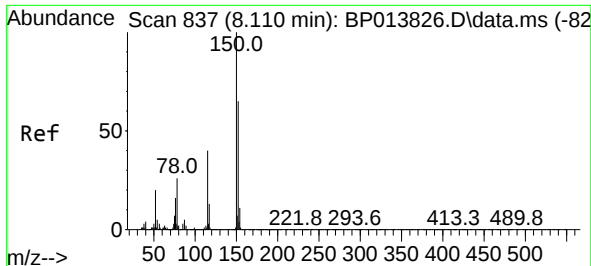
Instrument :
BNA_P
ClientSampleId :
COMP-2

Quant Time: Feb 17 22:08:16 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

Manual Integrations
APPROVED

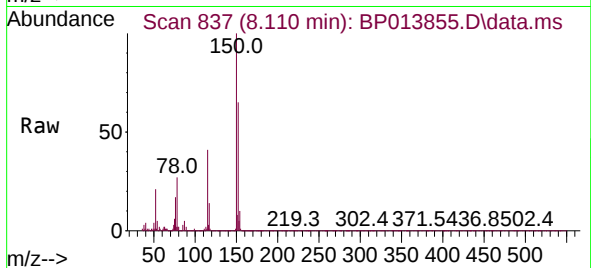
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

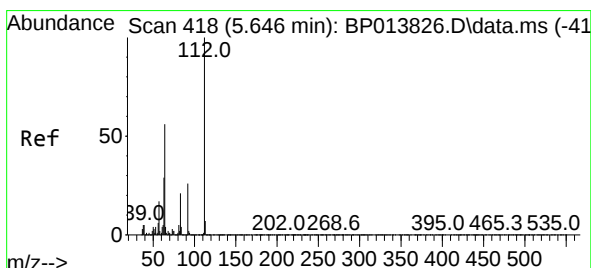
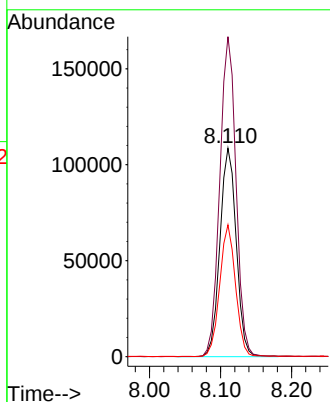
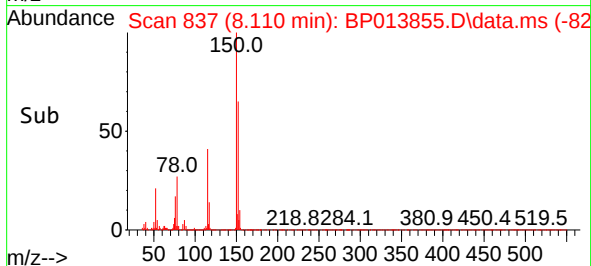
Instrument :
BNA_P
ClientSampleId :
COMP-2



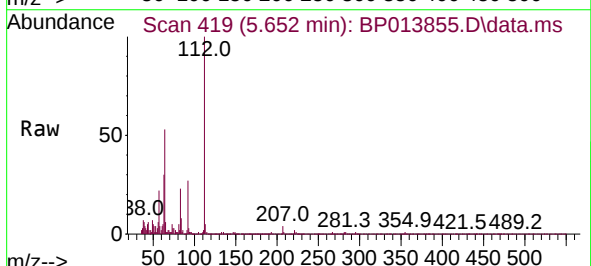
Tgt Ion:152 Resp: 173784
Ion Ratio Lower Upper
152 100
150 153.6 122.8 184.2
115 63.2 49.0 73.6

Manual Integrations
APPROVED

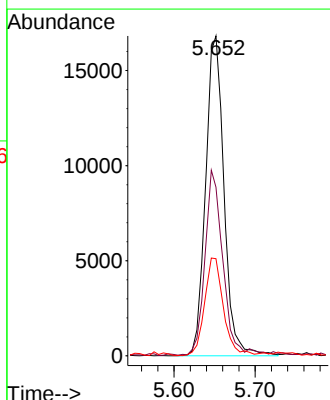
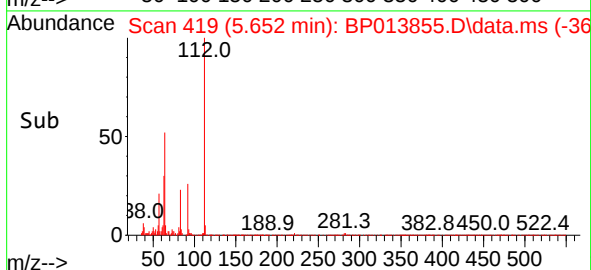
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023

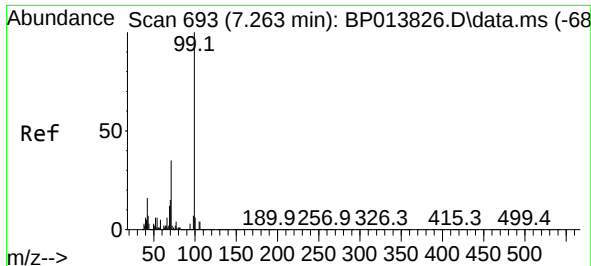


#5
2-Fluorophenol
Concen: 2.521 ng
RT: 5.652 min Scan# 419
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50



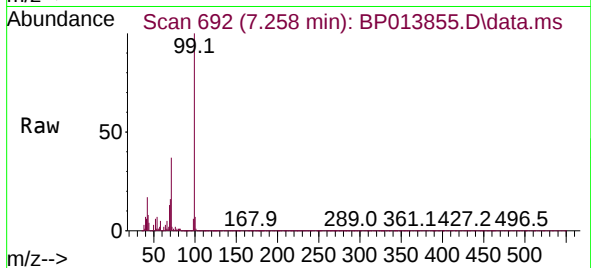
Tgt Ion:112 Resp: 26583
Ion Ratio Lower Upper
112 100
64 52.7 44.6 66.8
63 30.4 23.6 35.4





#7
Phenol-d6
Concen: 36.212 ng
RT: 7.258 min Scan# 69
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

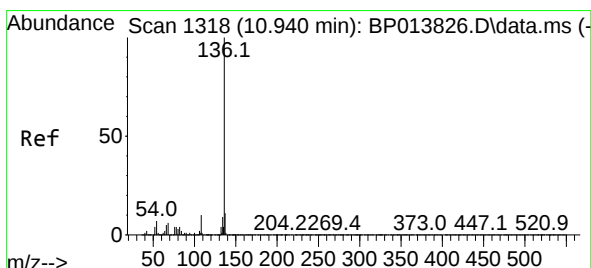
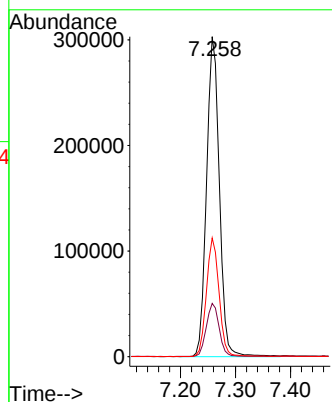
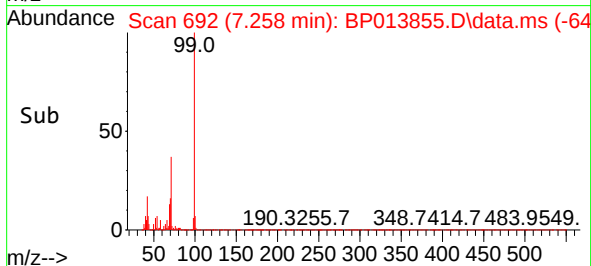
Instrument :
BNA_P
ClientSampleId :
COMP-2



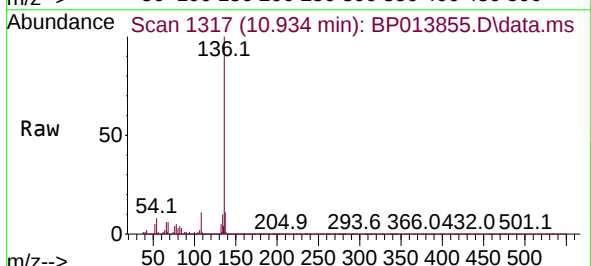
Tgt Ion: 99 Resp: 489033
Ion Ratio Lower Upper
99 100
42 16.6 12.5 18.7
71 37.1 27.8 41.8

Manual Integrations
APPROVED

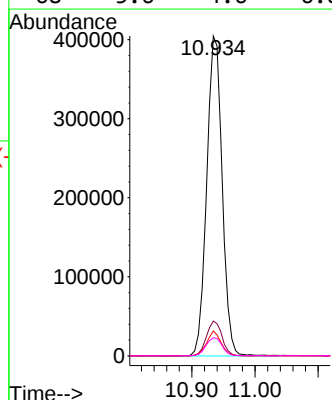
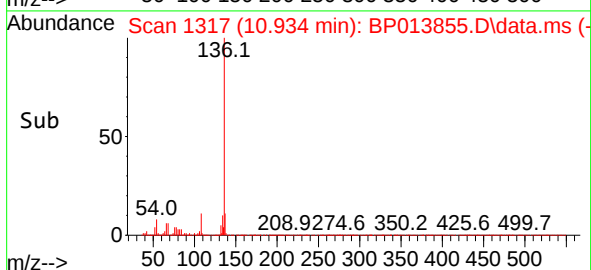
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023

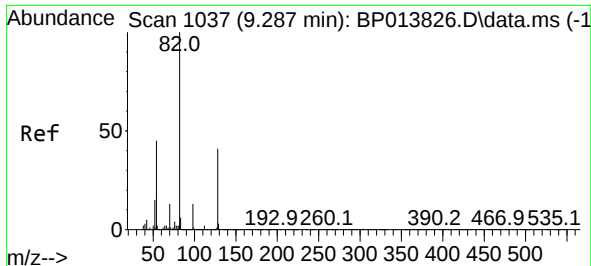


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.934 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50



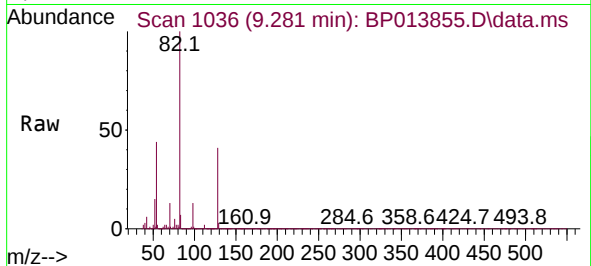
Tgt Ion:136 Resp: 687096
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 7.8 5.8 8.6
68 5.6 4.6 6.8





#23
Nitrobenzene-d5
Concen: 46.838 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

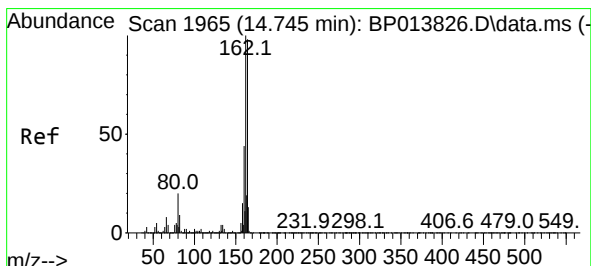
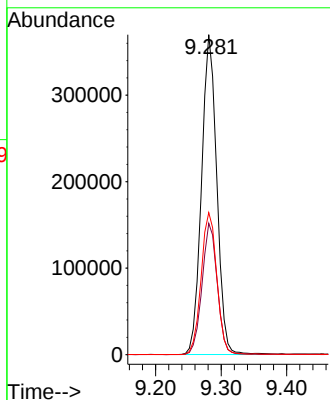
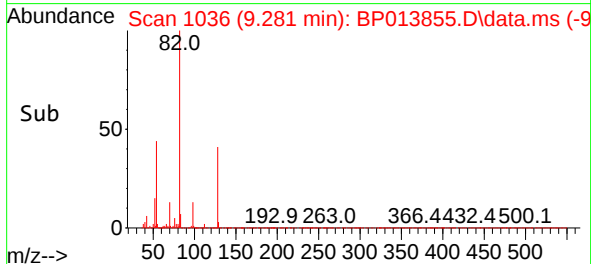
Instrument :
BNA_P
ClientSampleId :
COMP-2



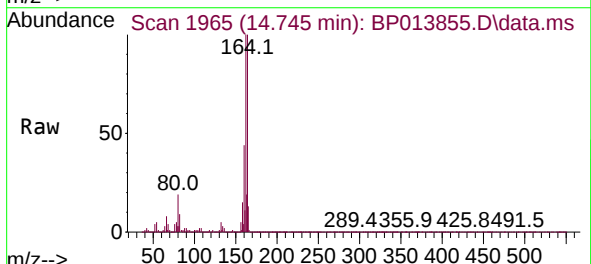
Tgt Ion: 82 Resp: 595968
Ion Ratio Lower Upper
82 100
128 41.0 32.9 49.3
54 44.4 35.6 53.4

Manual Integrations
APPROVED

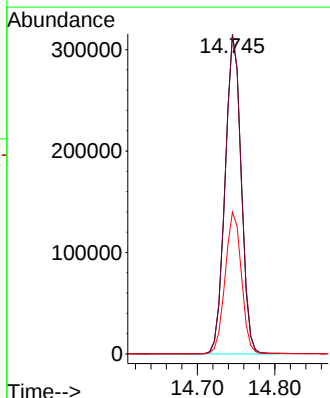
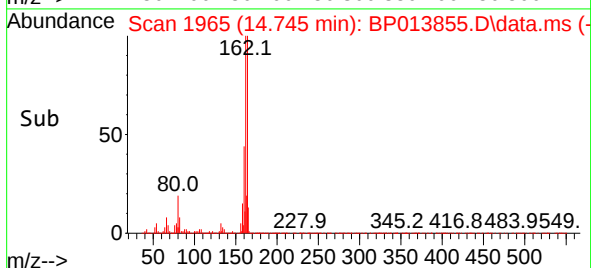
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023

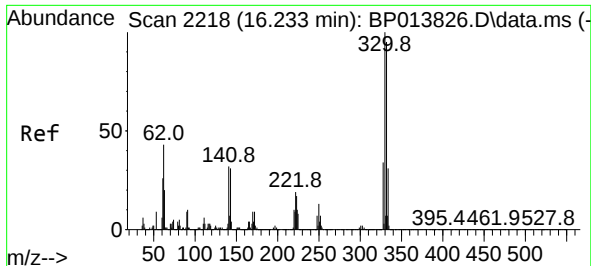


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.745 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50



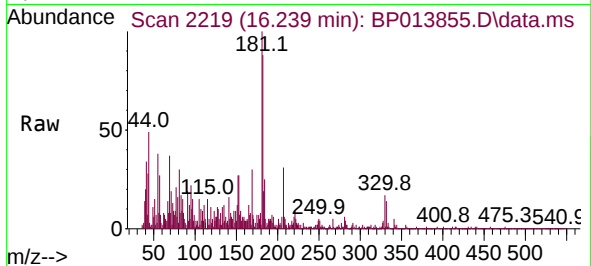
Tgt Ion:164 Resp: 454376
Ion Ratio Lower Upper
164 100
162 100.5 81.7 122.5
160 44.6 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 0.175 ng
RT: 16.239 min Scan# 2218
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

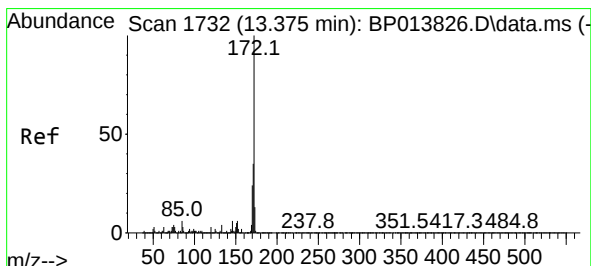
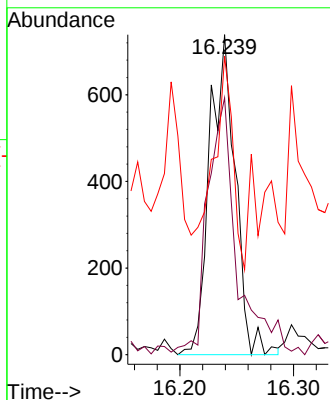
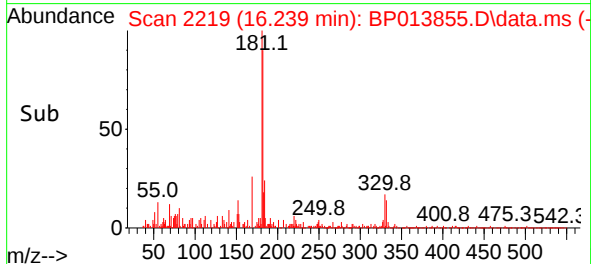
Instrument :
BNA_P
ClientSampleId :
COMP-2



Tgt Ion: 330 Resp: 115
Ion Ratio Lower Upper
330 100
332 89.1 76.7 115.1
141 51.3 25.1 37.7

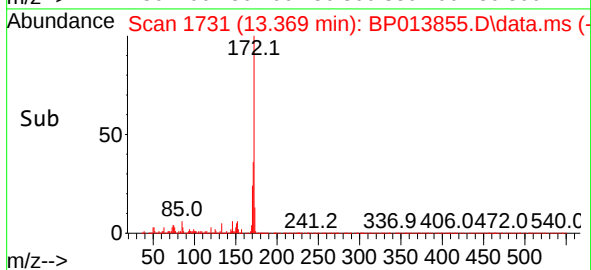
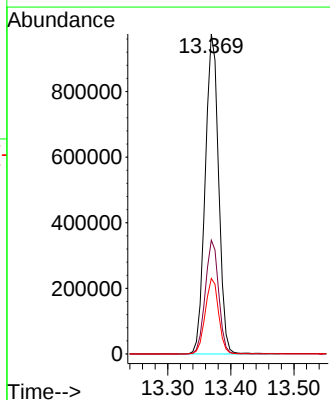
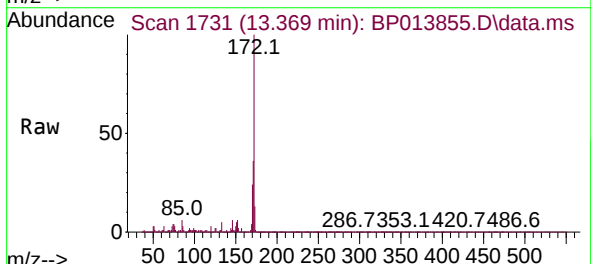
Manual Integrations
APPROVED

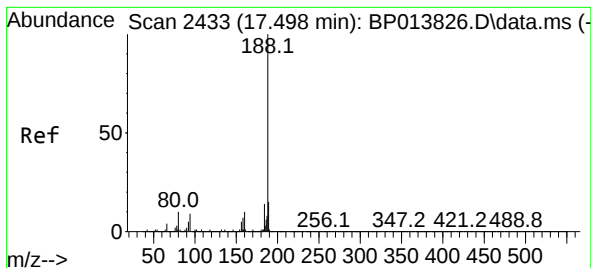
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#45
2-Fluorobiphenyl
Concen: 41.518 ng
RT: 13.369 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion: 172 Resp: 1436261
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.6 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: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

Tgt Ion:188 Resp: 1034823

Ion Ratio Lower Upper

188 100

94 8.4 7.0 10.6

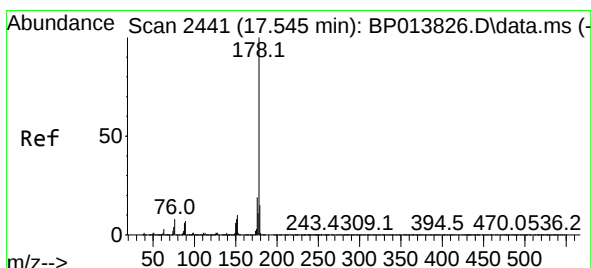
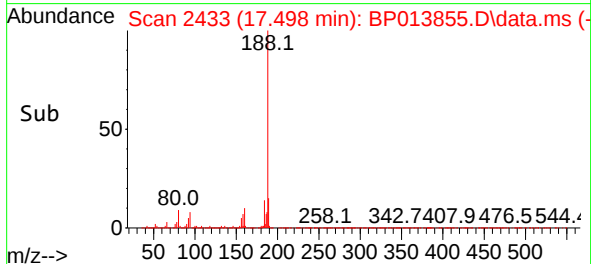
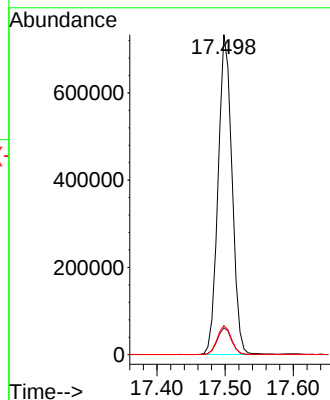
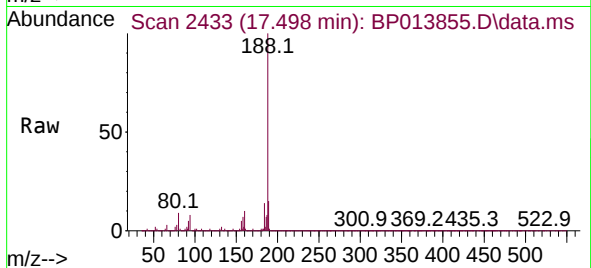
80 9.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#71

Phenanthrene

Concen: 6.043 ng

RT: 17.545 min Scan# 2441

Delta R.T. 0.000 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

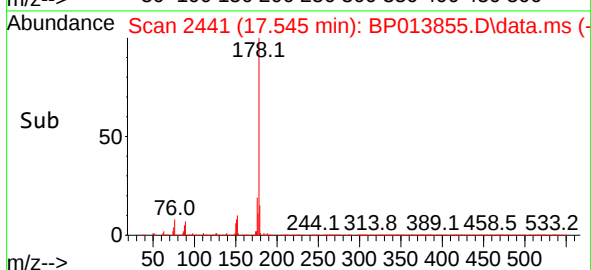
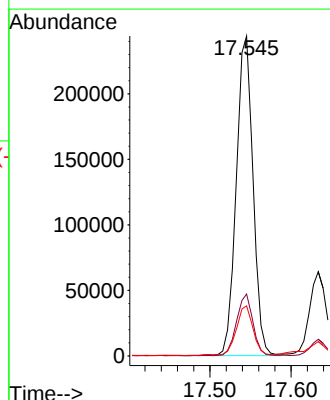
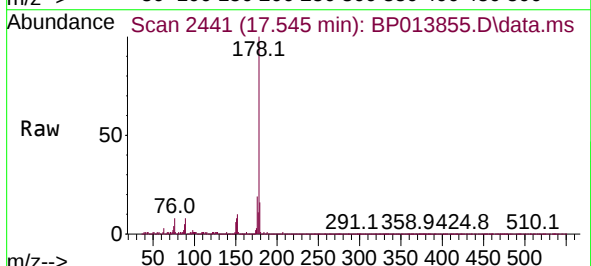
Tgt Ion:178 Resp: 350325

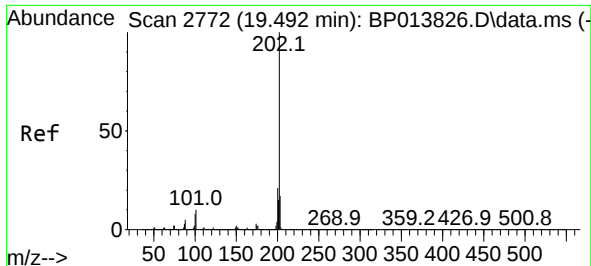
Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

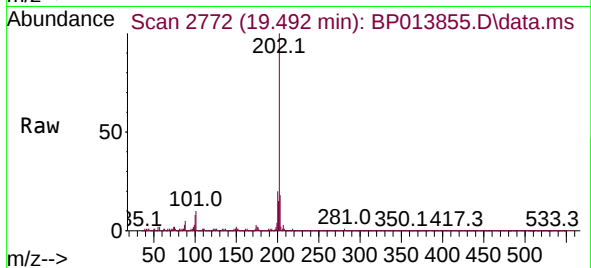
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 10.186 ng
RT: 19.492 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

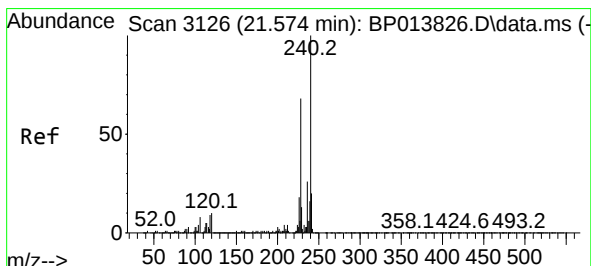
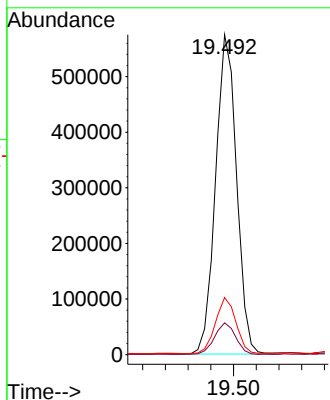
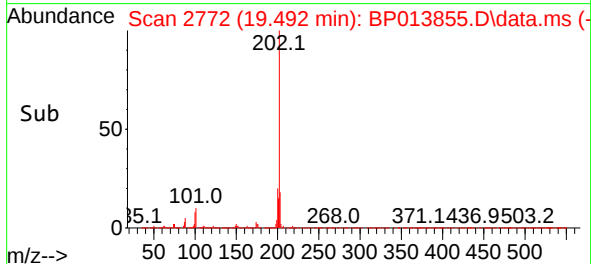
Instrument :
BNA_P
ClientSampleId :
COMP-2



Tgt Ion:202 Resp: 736172
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.0
203 17.8 0.0 37.5

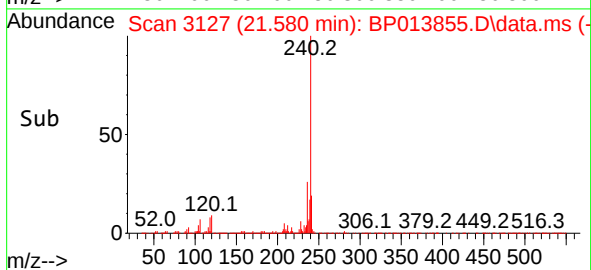
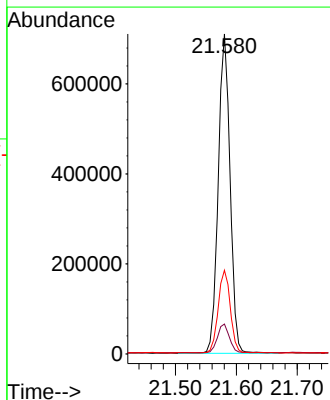
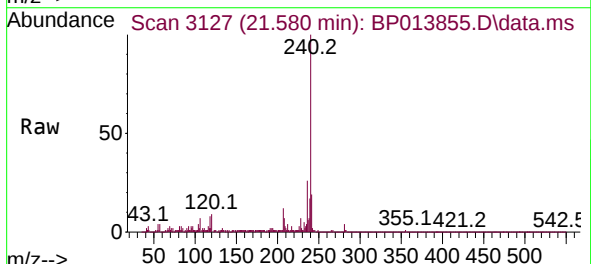
Manual Integrations
APPROVED

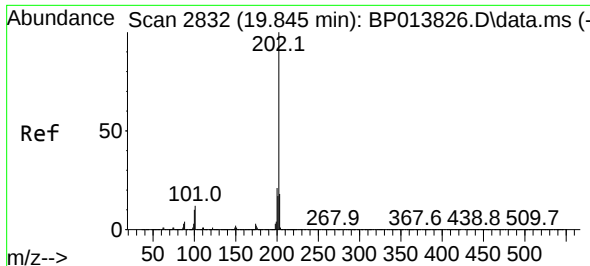
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3127
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

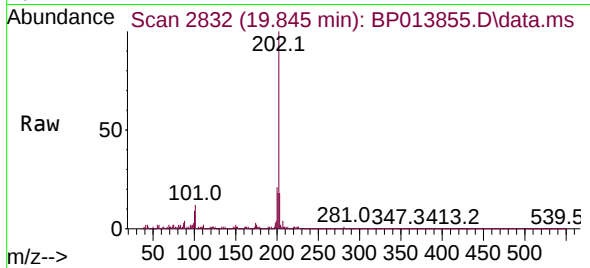
Tgt Ion:240 Resp: 958810
Ion Ratio Lower Upper
240 100
120 9.3 7.9 11.9
236 26.1 20.9 31.3





#78
Pyrene
Concen: 9.892 ng
RT: 19.845 min Scan# 2832
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

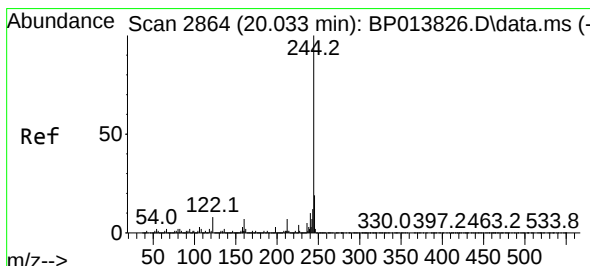
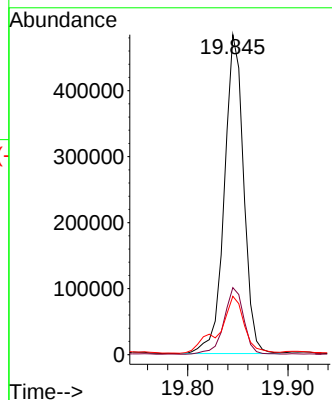
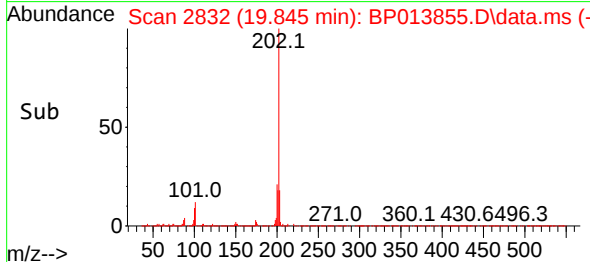
Instrument :
BNA_P
ClientSampleId :
COMP-2



Tgt Ion:202 Resp: 64815
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 18.2 14.2 21.2

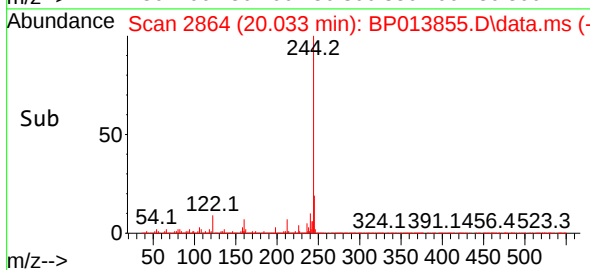
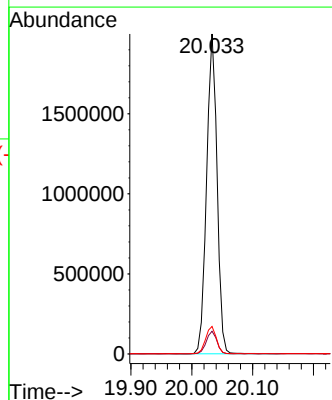
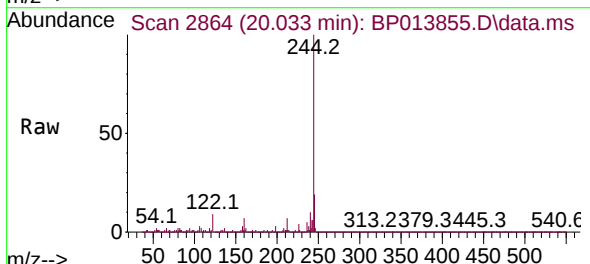
Manual Integrations
APPROVED

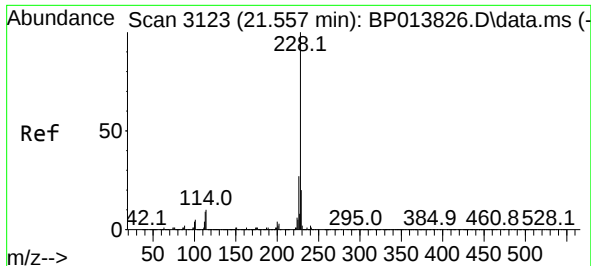
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#79
Terphenyl-d14
Concen: 47.592 ng
RT: 20.033 min Scan# 2864
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

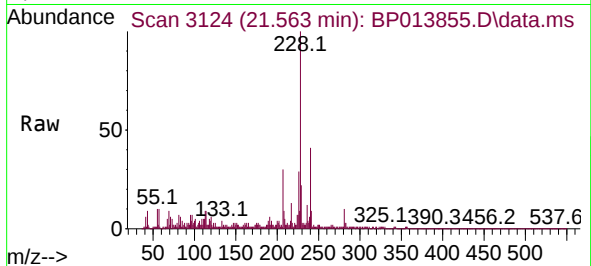
Tgt Ion:244 Resp: 2371736
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 8.6 6.7 10.1





#81
Benzo(a)anthracene
Concen: 5.563 ng
RT: 21.563 min Scan# 3123
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

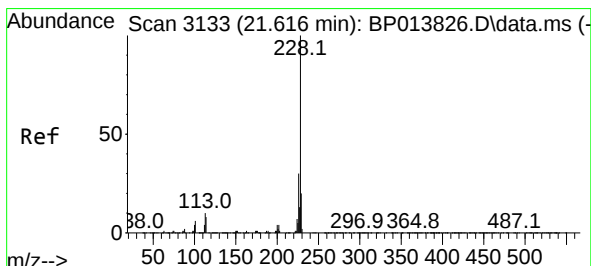
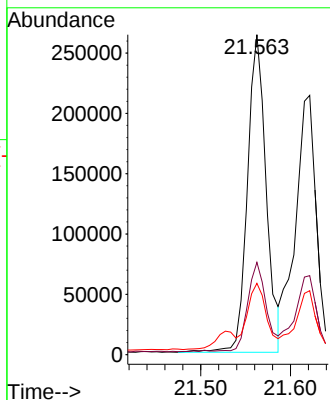
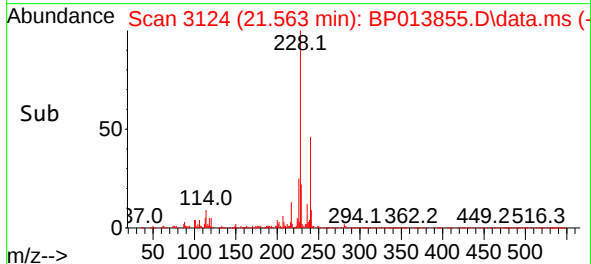
Instrument :
BNA_P
ClientSampleId :
COMP-2



Tgt Ion:228 Resp: 38198
Ion Ratio Lower Upper
228 100
226 28.8 21.7 32.5
229 22.3 15.8 23.6

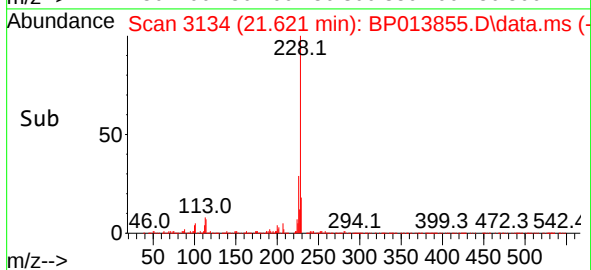
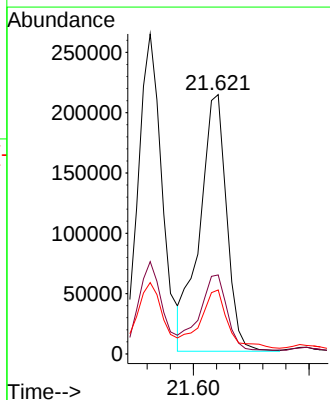
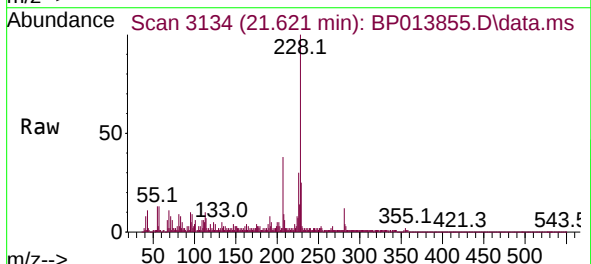
Manual Integrations
APPROVED

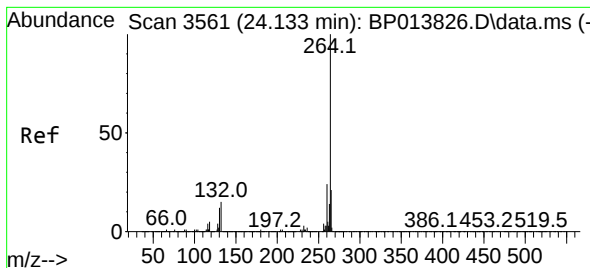
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#83
Chrysene
Concen: 5.204 ng m
RT: 21.621 min Scan# 3134
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:228 Resp: 346147
Ion Ratio Lower Upper
228 100
226 30.5 23.8 35.8
229 24.7 15.8 23.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.139 min Scan# 3561

Delta R.T. 0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

Tgt Ion:264 Resp: 115235

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.0

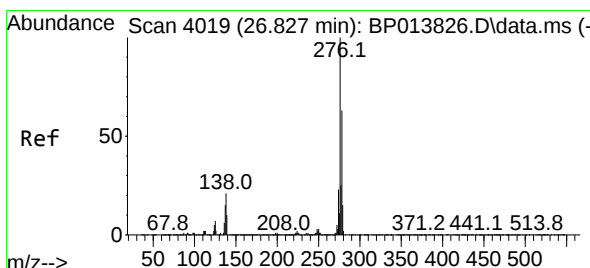
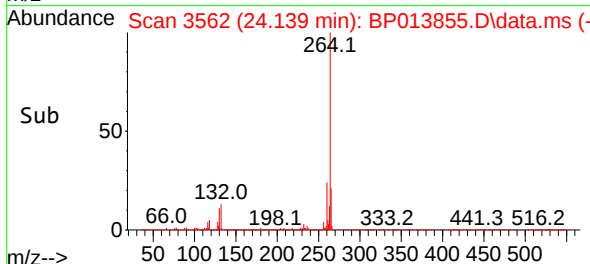
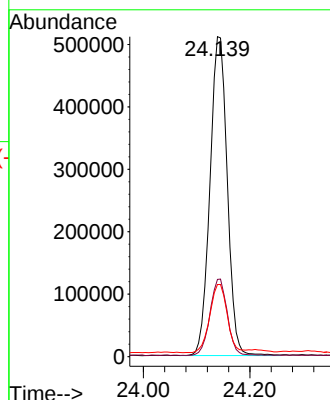
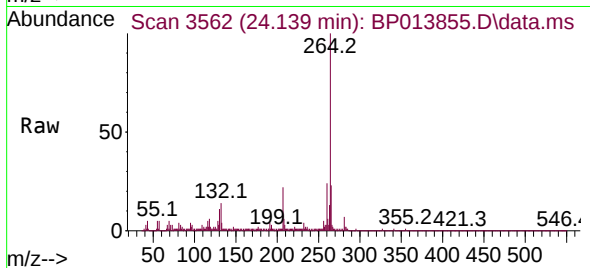
265 22.5 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.545 ng

RT: 26.839 min Scan# 4021

Delta R.T. 0.012 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

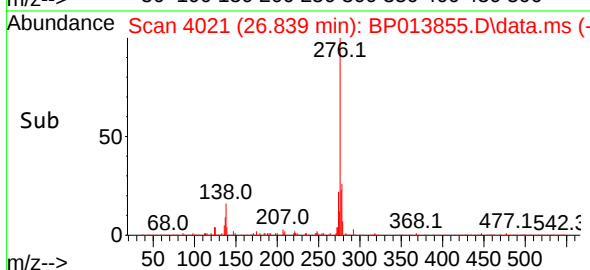
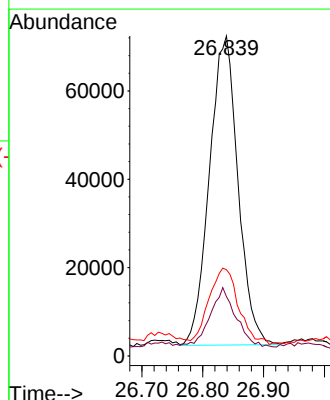
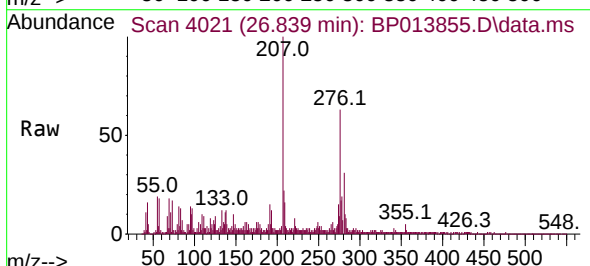
Tgt Ion:276 Resp: 228169

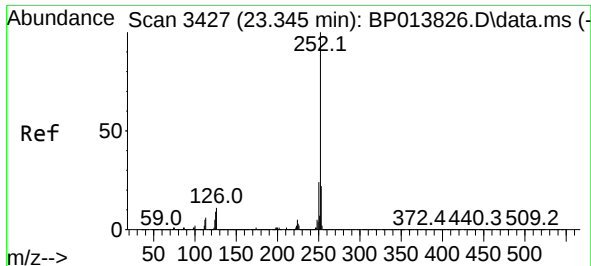
Ion Ratio Lower Upper

276 100

138 17.4 17.8 26.8#

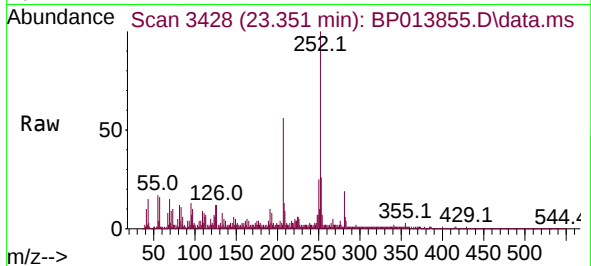
277 24.5 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 6.362 ng
RT: 23.351 min Scan# 3427
Delta R.T. 0.006 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

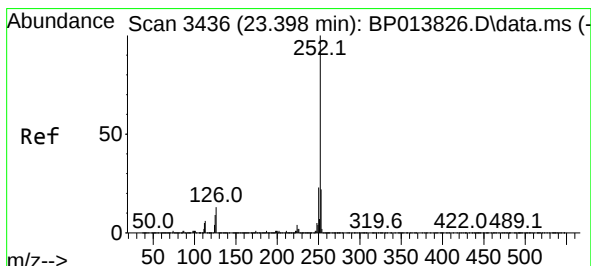
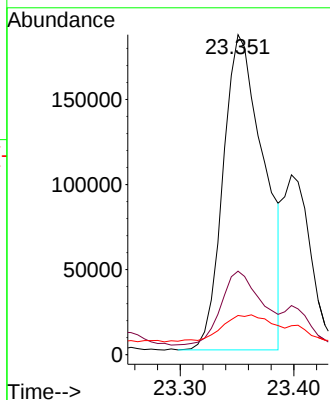
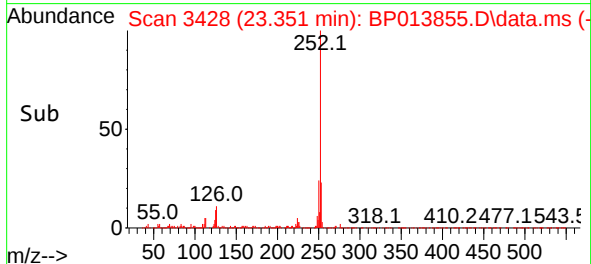
Instrument :
BNA_P
ClientSampleId :
COMP-2



Tgt Ion:252 Resp: 463658
Ion Ratio Lower Upper
252 100
253 26.1 17.8 26.6
125 12.2 7.1 10.7

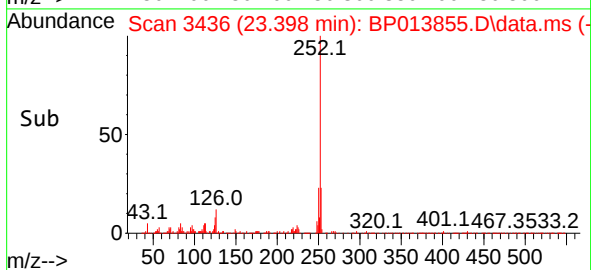
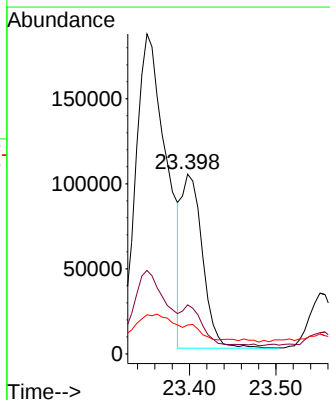
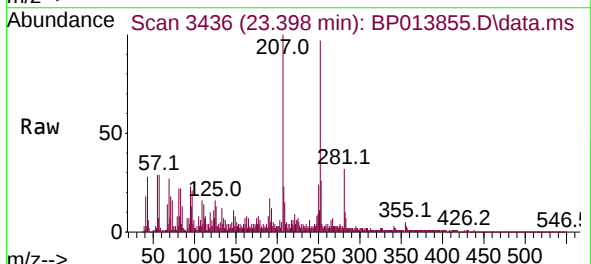
Manual Integrations
APPROVED

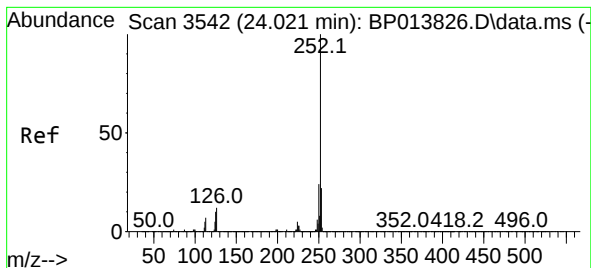
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#89
Benzo(k)fluoranthene
Concen: 2.333 ng m
RT: 23.398 min Scan# 3436
Delta R.T. 0.000 min
Lab File: BP013855.D
Acq: 17 Feb 2023 20:50

Tgt Ion:252 Resp: 172572
Ion Ratio Lower Upper
252 100
253 27.3 17.5 26.3#
125 16.1 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 4.586 ng

RT: 24.021 min Scan# 3542

Delta R.T. 0.000 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Instrument :

BNA_P

ClientSampleId :

COMP-2

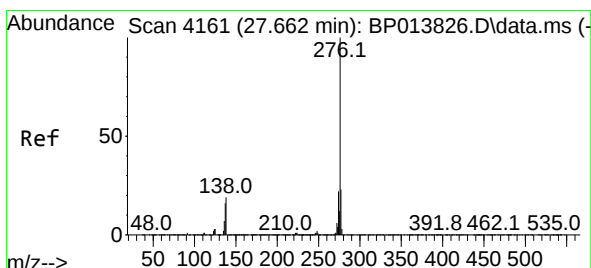
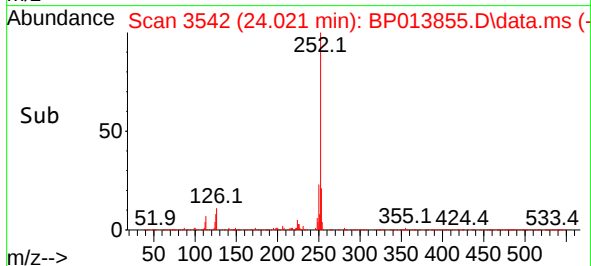
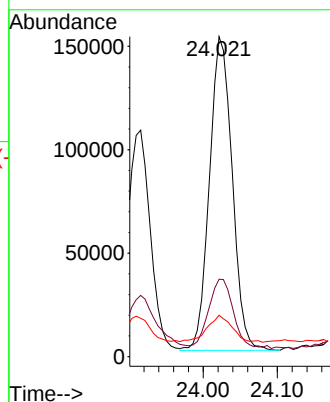
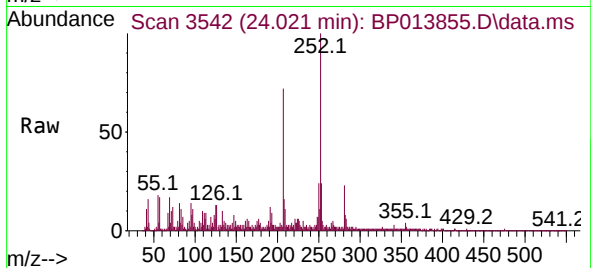
Tgt Ion:	252	Resp:	323150
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	12.9	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#92

Benzo(g,h,i)perylene

Concen: 2.985 ng

RT: 27.668 min Scan# 4162

Delta R.T. 0.006 min

Lab File: BP013855.D

Acq: 17 Feb 2023 20:50

Tgt Ion:	276	Resp:	221696
Ion Ratio	Lower	Upper	
276	100		
277	26.4	18.7	28.1
138	20.2	15.5	23.3

