

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
 Data File : BP013856.D
 Acq On : 17 Feb 2023 21:24
 Operator : CG/JU
 Sample : 01586-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 COMP-5

Manual Integrations
 APPROVED

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

Quant Time: Feb 17 22:08:40 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	164702	20.000	ng	0.00
21) Naphthalene-d8	10.940	136	638102	20.000	ng	0.00
39) Acenaphthene-d10	14.745	164	354681	20.000	ng	0.00
64) Phenanthrene-d10	17.504	188	799094	20.000	ng	0.00
76) Chrysene-d12	21.580	240	835372	20.000	ng	0.00
86) Perylene-d12	24.145	264	1016219	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	185684	18.581	ng	0.00
7) Phenol-d6	7.263	99	1023210	79.946	ng	0.00
23) Nitrobenzene-d5	9.281	82	743545	62.923	ng	0.00
42) 2,4,6-Tribromophenol	16.234	330	8025	1.554	ng	0.00
45) 2-Fluorobiphenyl	13.369	172	1597114	59.145	ng	0.00
79) Terphenyl-d14	20.033	244	2627361	60.512	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.545	178	555076	12.399	ng	100
72) Anthracene	17.634	178	136291	3.045	ng	100
75) Fluoranthene	19.498	202	885851	15.874	ng	99
78) Pyrene	19.851	202	745436	13.058	ng	99
81) Benzo(a)anthracene	21.563	228	432674	7.233	ng	97
83) Chrysene	21.622	228	380568m	6.567	ng	
87) Indeno(1,2,3-cd)pyrene	26.839	276	261323	3.306	ng	96
88) Benzo(b)fluoranthene	23.357	252	505740	7.869	ng	# 91
89) Benzo(k)fluoranthene	23.404	252	212339m	3.255	ng	
90) Benzo(a)pyrene	24.027	252	371682	5.982	ng	# 91
92) Benzo(g,h,i)perylene	27.680	276	260438	3.977	ng	95

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

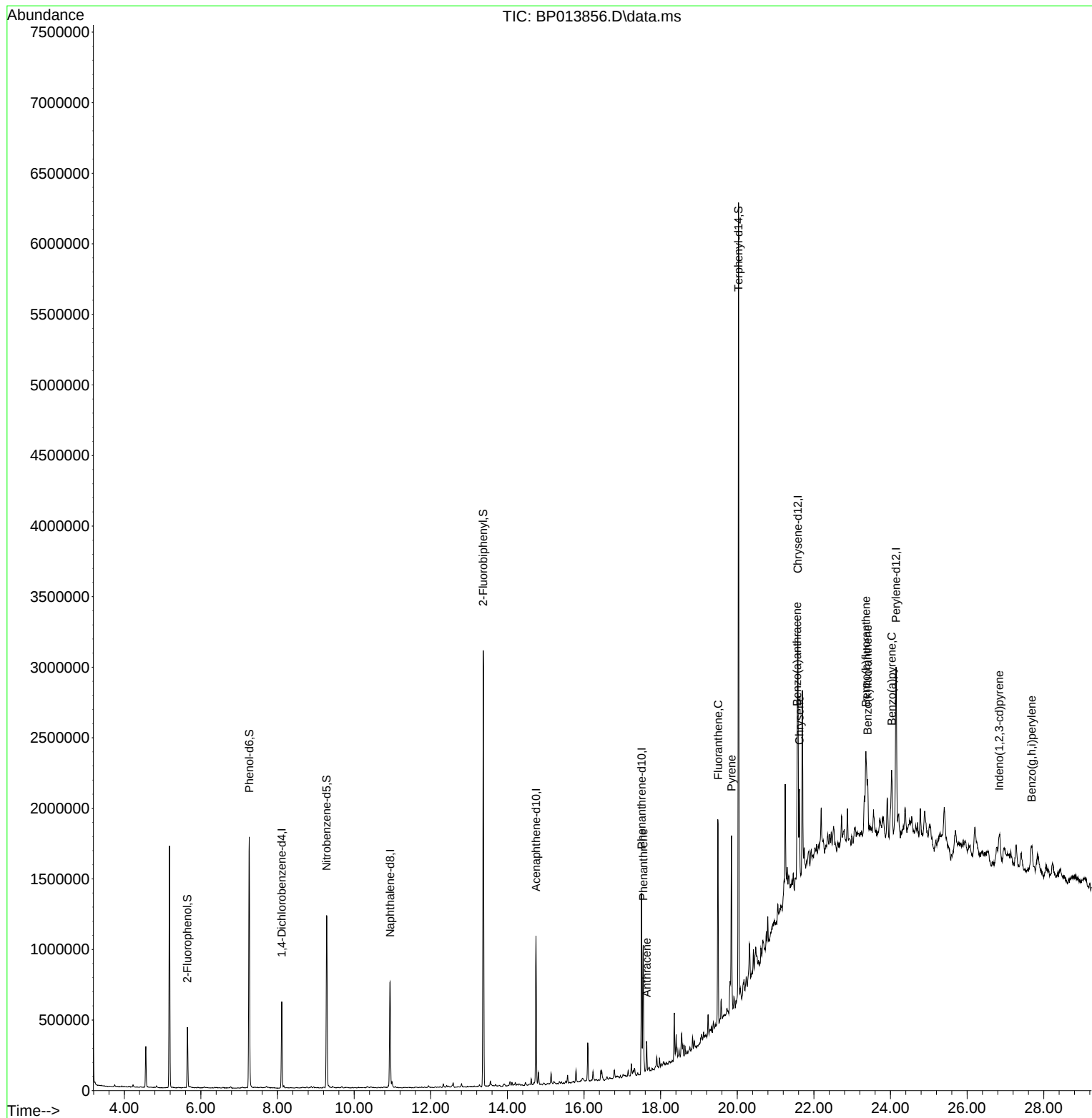
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021723\
Data File : BP013856.D
Acq On : 17 Feb 2023 21:24
Operator : CG/JU
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Misc :
ALS Vial : 20 Sample Multiplier: 1

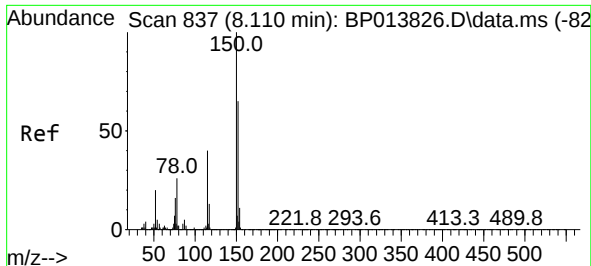
Instrument :
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Quant Time: Feb 17 22:08:40 2023
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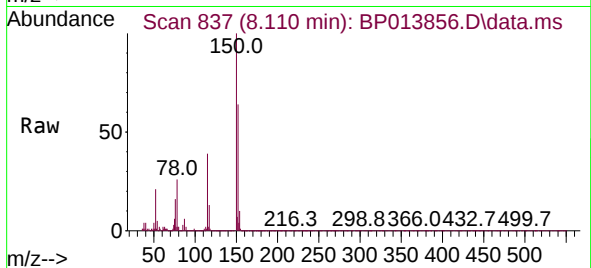
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.110 min Scan# 837
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

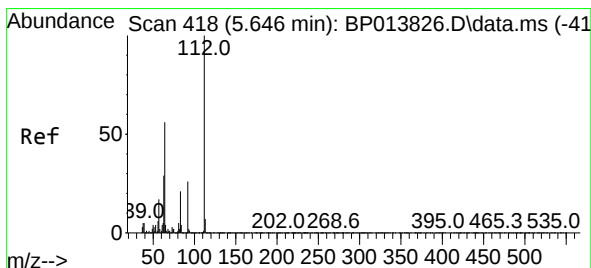
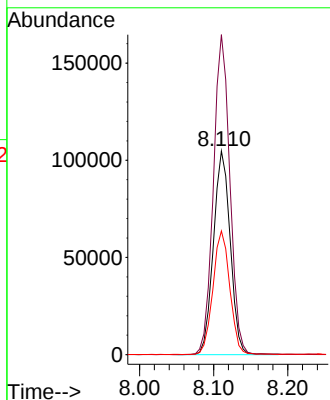
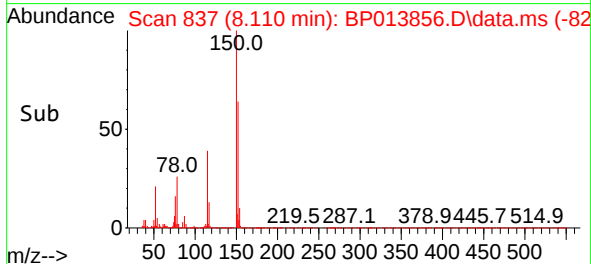
Instrument :
BNA_P
Client Sample Id :
COMP-5



Tgt Ion:152 Resp: 164702
Ion Ratio Lower Upper
152 100
150 157.2 122.8 184.2
115 60.7 49.0 73.6

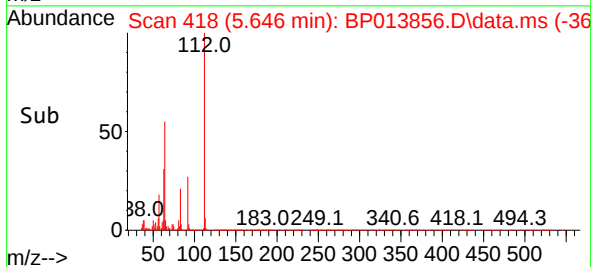
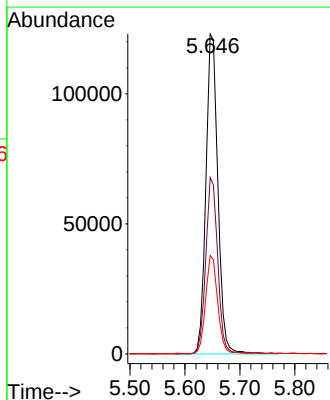
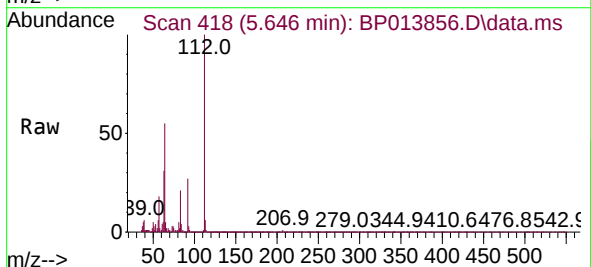
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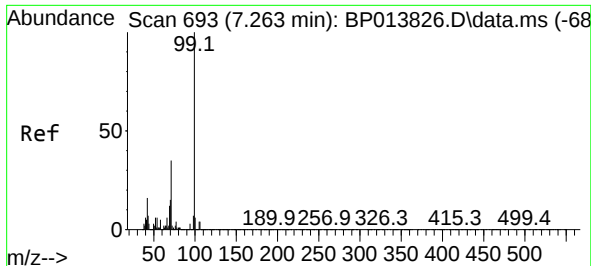
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#5
2-Fluorophenol
Concen: 18.581 ng
RT: 5.646 min Scan# 418
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

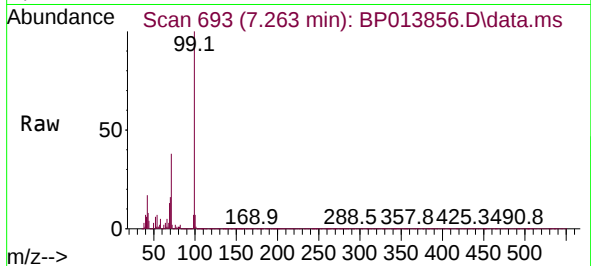
Tgt Ion:112 Resp: 185684
Ion Ratio Lower Upper
112 100
64 55.1 44.6 66.8
63 30.7 23.6 35.4





#7
Phenol-d6
Concen: 79.946 ng
RT: 7.263 min Scan# 693
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

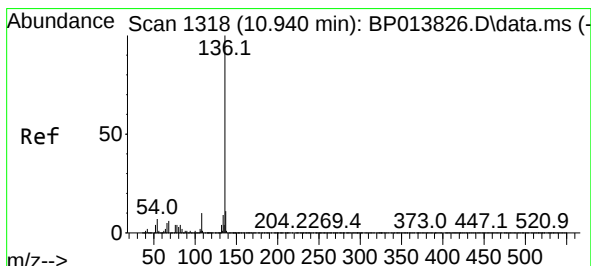
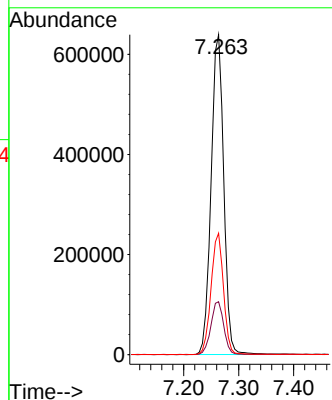
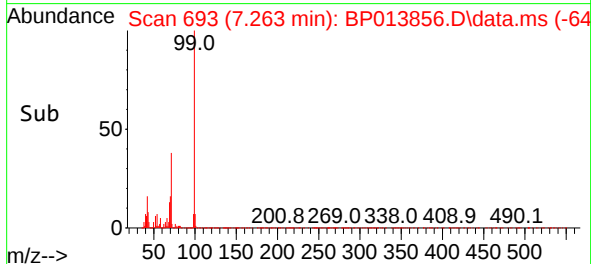
Instrument :
BNA_P
Client SampleId :
COMP-5



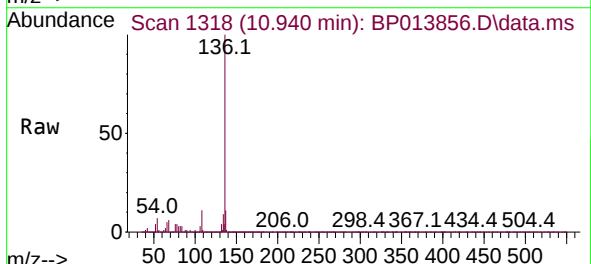
Tgt Ion: 99 Resp: 1023210
Ion Ratio Lower Upper
99 100
42 16.5 12.5 18.7
71 37.9 27.8 41.8

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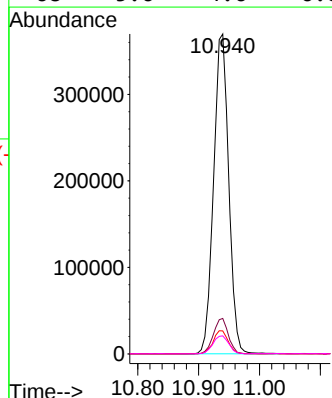
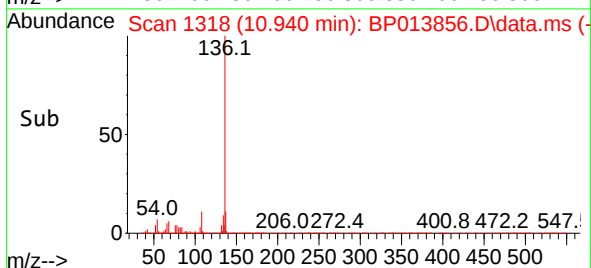
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023

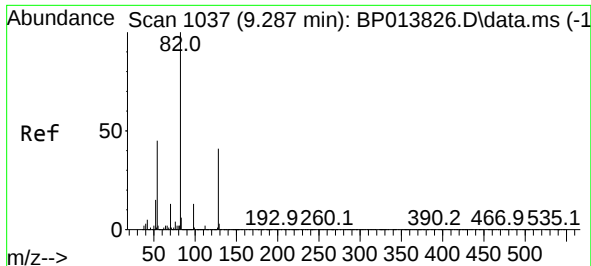


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.940 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24



Tgt Ion:136 Resp: 638102
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.2 5.8 8.6
68 5.6 4.6 6.8





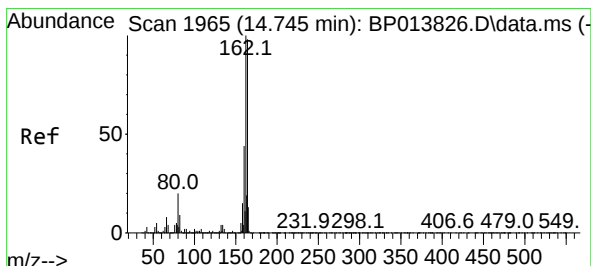
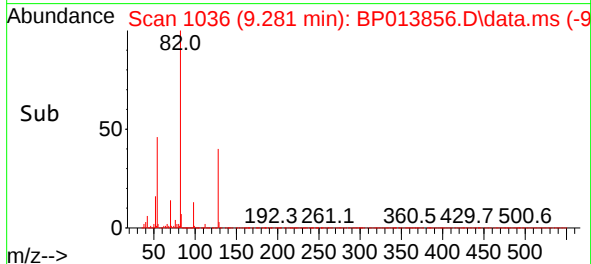
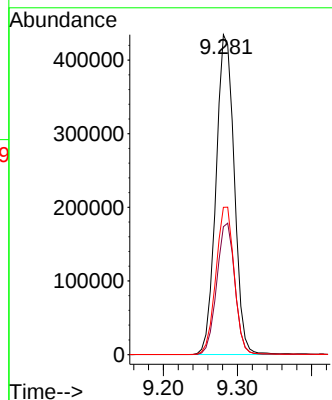
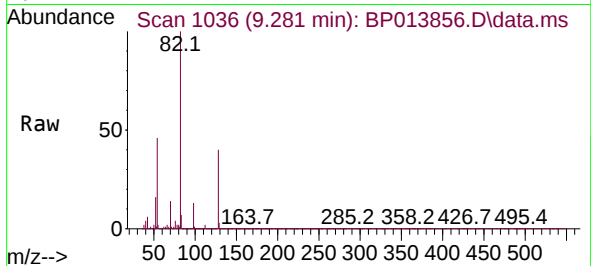
#23
Nitrobenzene-d5
Concen: 62.923 ng
RT: 9.281 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Instrument :
BNA_P
ClientSampleId :
COMP-5

Tgt Ion: 82 Resp: 743545
Ion Ratio Lower Upper
82 100
128 40.0 32.9 49.3
54 46.1 35.6 53.4

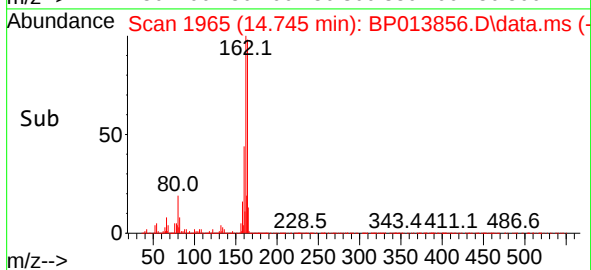
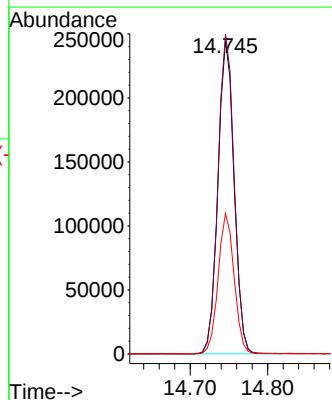
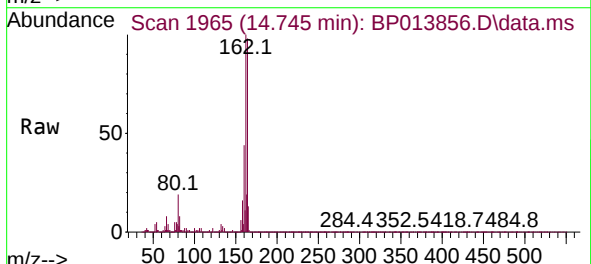
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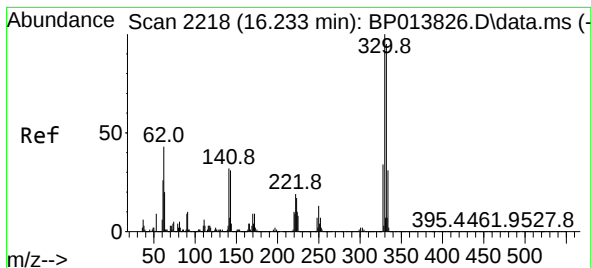
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.745 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion:164 Resp: 354681
Ion Ratio Lower Upper
164 100
162 102.1 81.7 122.5
160 44.8 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 1.554 ng

RT: 16.234 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

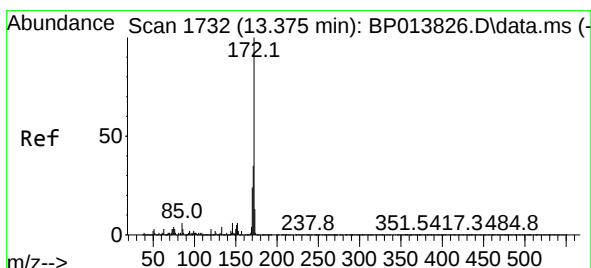
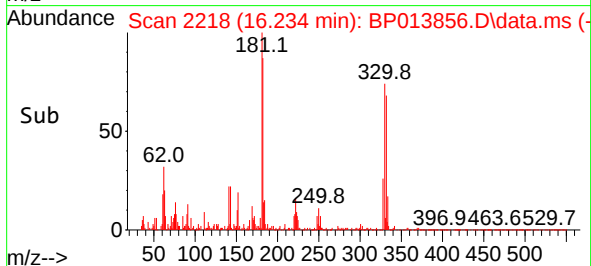
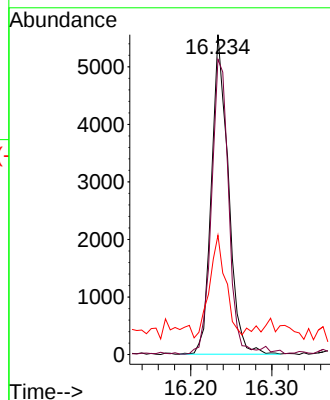
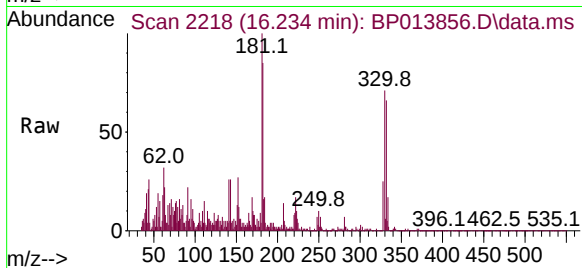
Tgt Ion:	330	Resp:	8025
Ion Ratio	Lower	Upper	
330	100		
332	93.0	76.7	115.1
141	30.9	25.1	37.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#45

2-Fluorobiphenyl

Concen: 59.145 ng

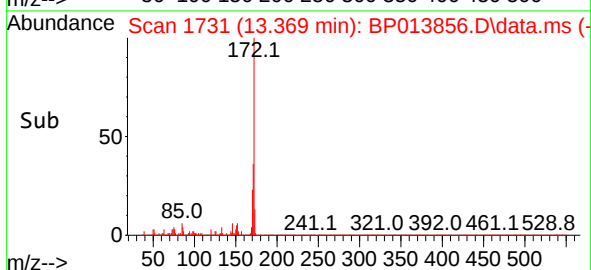
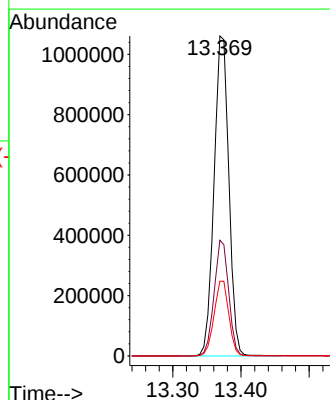
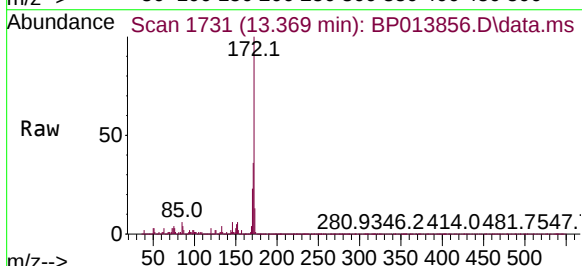
RT: 13.369 min Scan# 1731

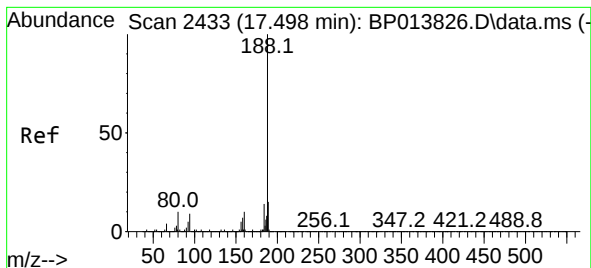
Delta R.T. -0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

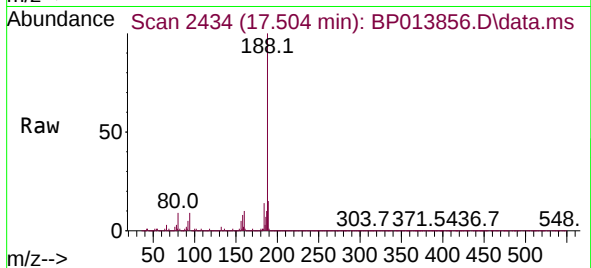
Tgt Ion:	172	Resp:	1597114
Ion Ratio	Lower	Upper	
172	100		
171	36.1	28.2	42.4
170	23.3	19.0	28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.504 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

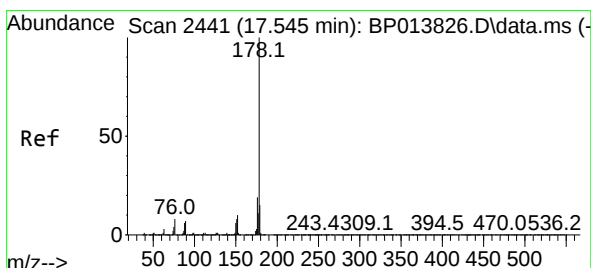
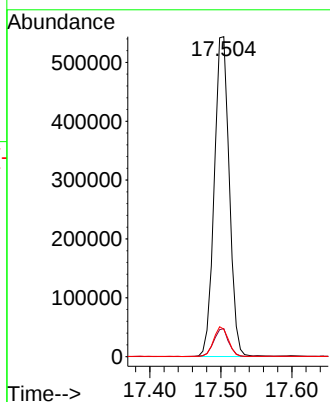
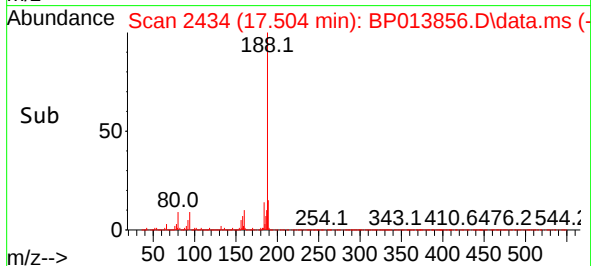
Instrument :
BNA_P
ClientSampleId :
COMP-5



Tgt Ion:188 Resp: 799094
Ion Ratio Lower Upper
188 100
94 8.7 7.0 10.6
80 8.6 7.8 11.8

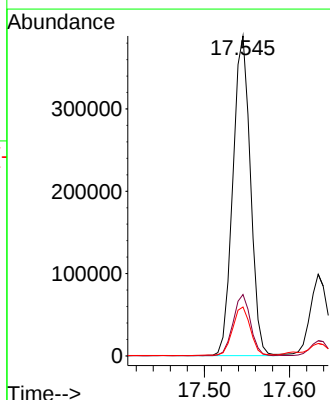
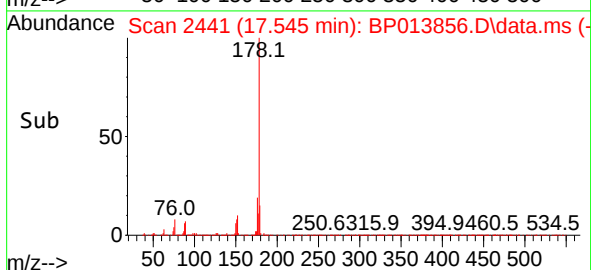
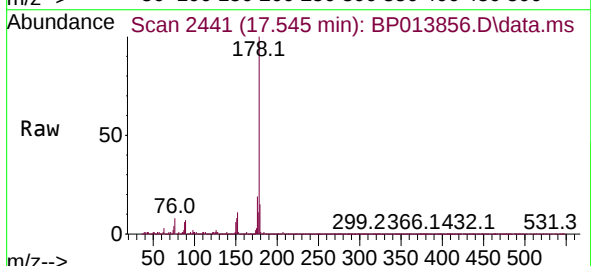
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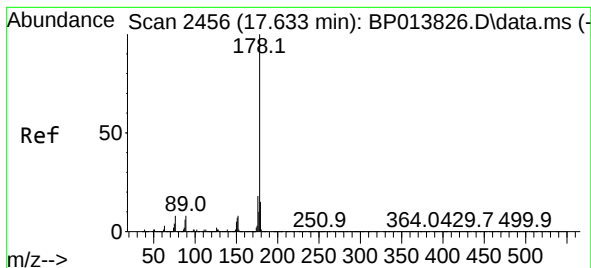
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#71
Phenanthrene
Concen: 12.399 ng
RT: 17.545 min Scan# 2441
Delta R.T. 0.000 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

Tgt Ion:178 Resp: 555076
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.2 18.4





#72

Anthracene

Concen: 3.045 ng

RT: 17.634 min Scan# 2456

Delta R.T. 0.000 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

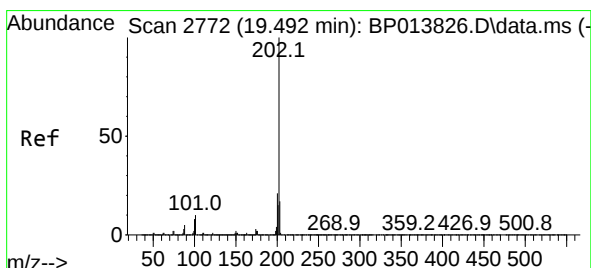
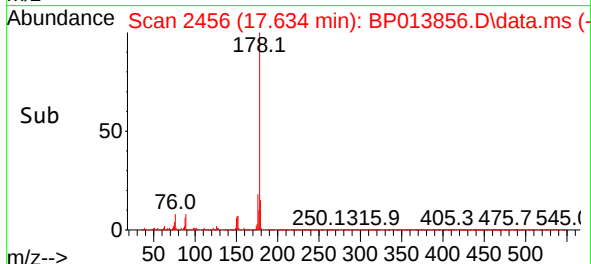
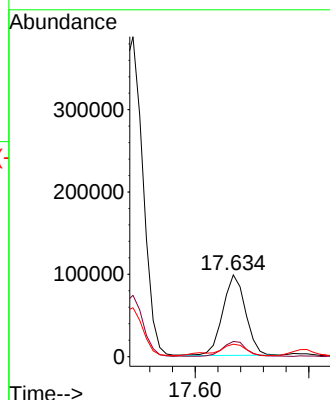
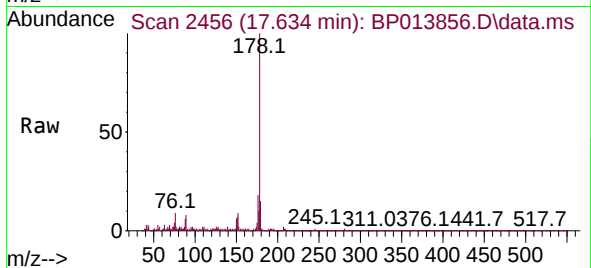
Tgt Ion:178 Resp: 136291
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.7 22.1
 179 15.2 12.4 18.6

Manual Integrations

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#75

Fluoranthene

Concen: 15.874 ng

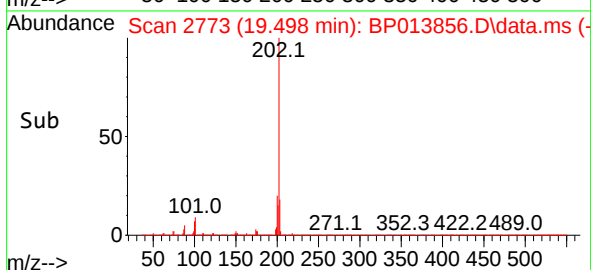
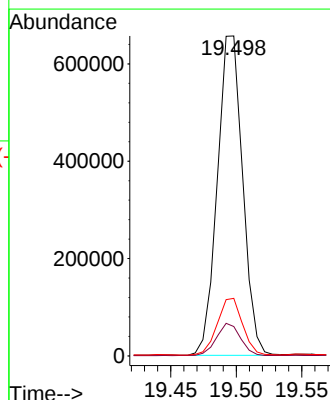
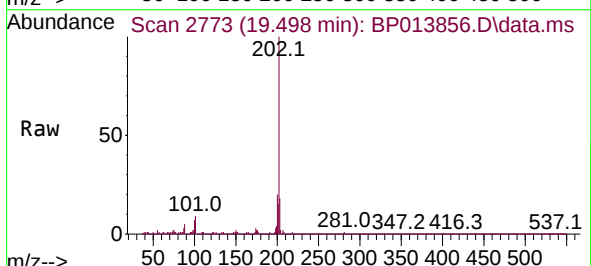
RT: 19.498 min Scan# 2773

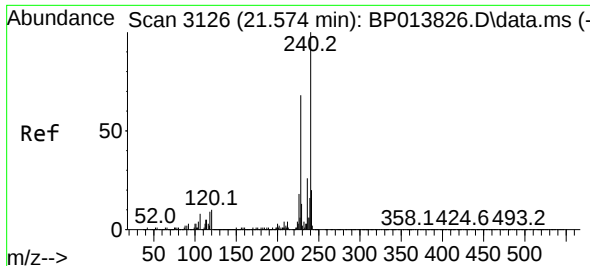
Delta R.T. 0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

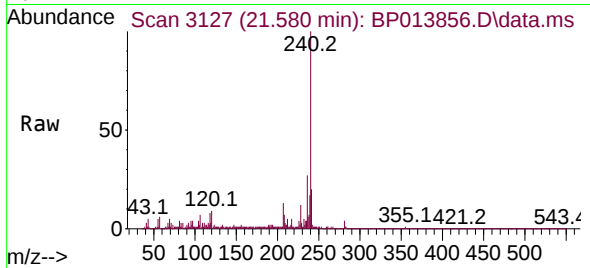
Tgt Ion:202 Resp: 885851
 Ion Ratio Lower Upper
 202 100
 101 9.2 0.0 30.0
 203 18.0 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.580 min Scan# 3126
Delta R.T. 0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

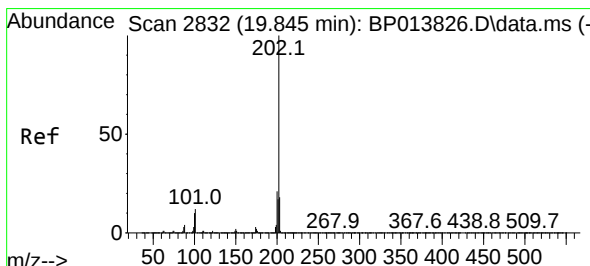
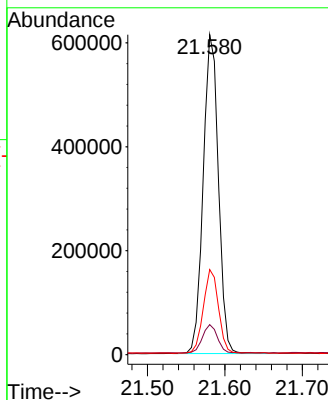
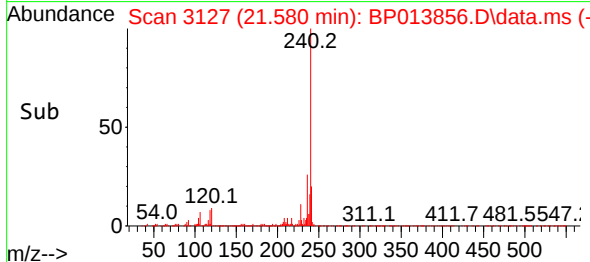
Instrument :
BNA_P
ClientSampleId :
COMP-5



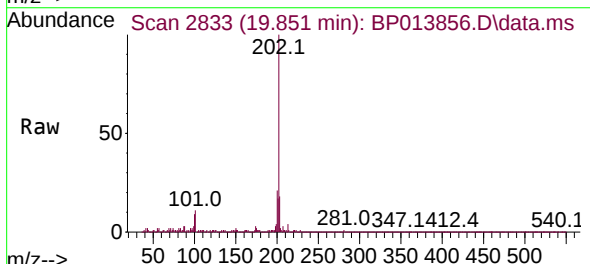
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Ion Ratio Lower Upper
240 100
120 9.4 7.9 11.9
236 26.6 20.9 31.3

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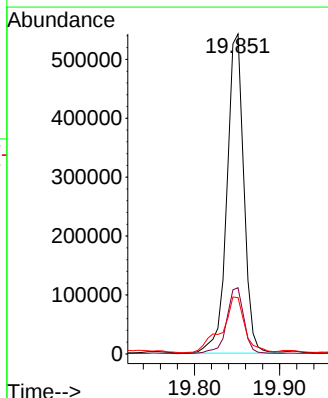
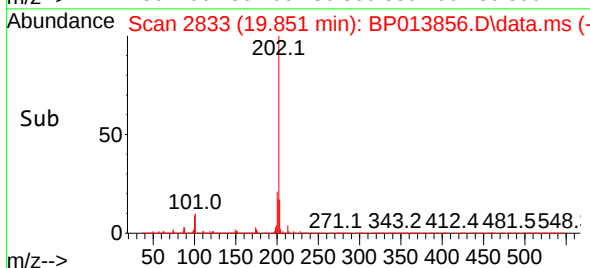
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023

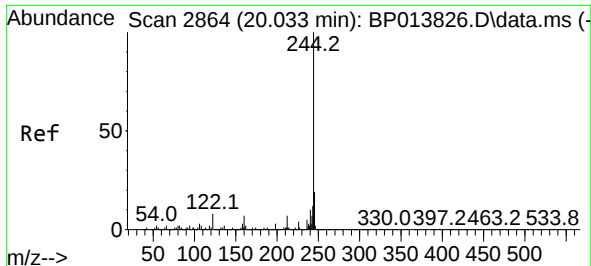


#78
Pyrene
Concen: 13.058 ng
RT: 19.851 min Scan# 2833
Delta R.T. 0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24



Tgt Ion:202 Resp: 745436
Ion Ratio Lower Upper
202 100
200 20.7 16.9 25.3
203 17.6 14.2 21.2





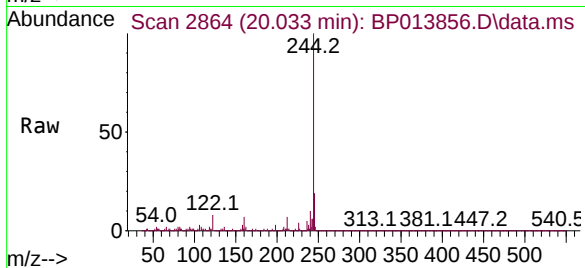
#79
 Terphenyl-d14
 Concen: 60.512 ng
 RT: 20.033 min Scan# 2864
 Delta R.T. 0.000 min
 Lab File: BP013856.D
 Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

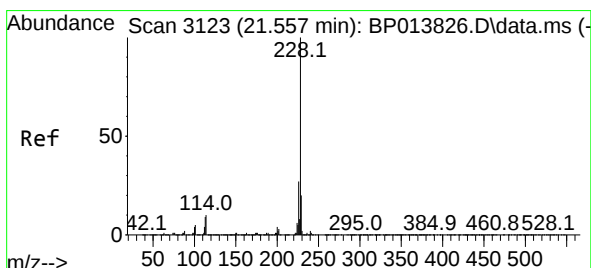
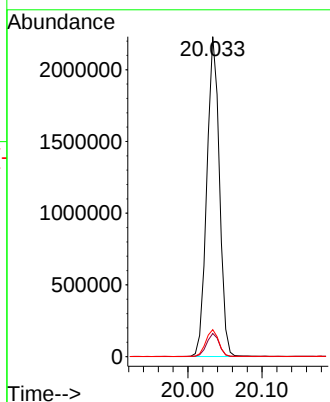
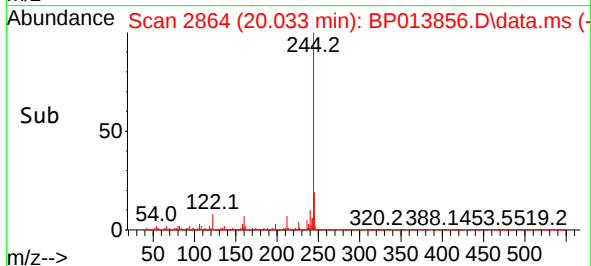


Tgt Ion:244 Resp: 262736
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 8.4 6.7 10.1

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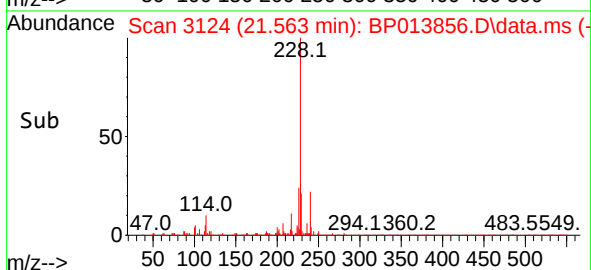
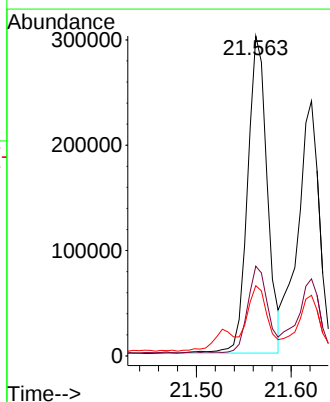
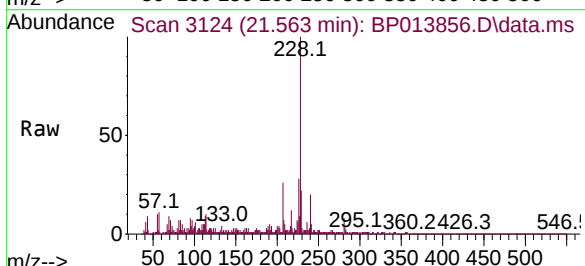
APPROVED

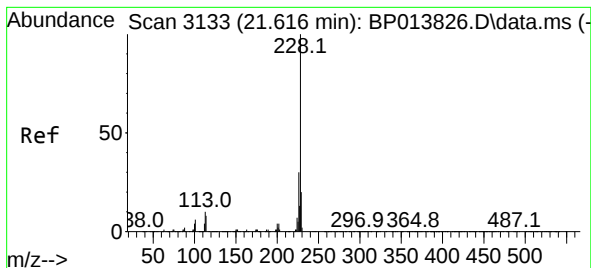
Reviewed By :Yogesh Patel 02/20/2023
 Supervised By :Jagrut Upadhyay 02/20/2023



#81
 Benzo(a)anthracene
 Concen: 7.233 ng
 RT: 21.563 min Scan# 3124
 Delta R.T. 0.006 min
 Lab File: BP013856.D
 Acq: 17 Feb 2023 21:24

Tgt Ion:228 Resp: 432674
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 21.9 15.8 23.6





#83

Chrysene

Concen: 6.567 ng m

RT: 21.622 min Scan# 3133

Delta R.T. 0.006 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

Tgt Ion:228 Resp: 380568

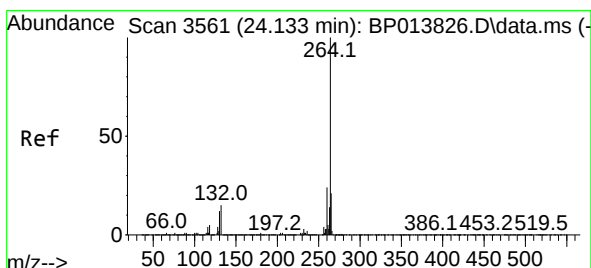
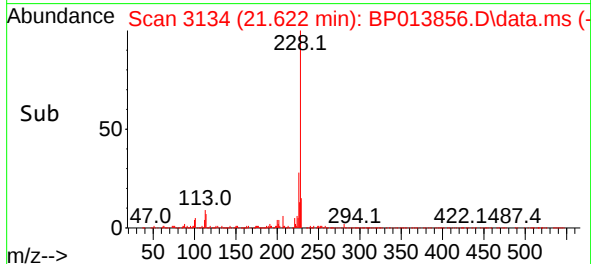
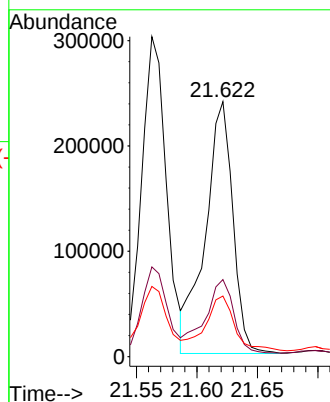
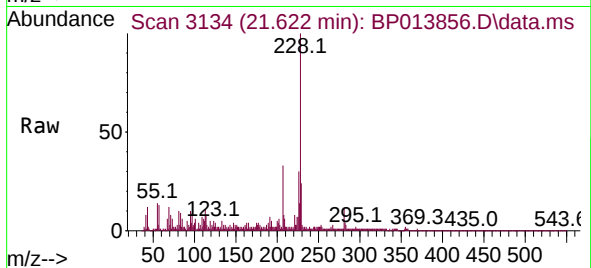
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	23.7	15.8	23.6

Manual Integrations

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Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.145 min Scan# 3563

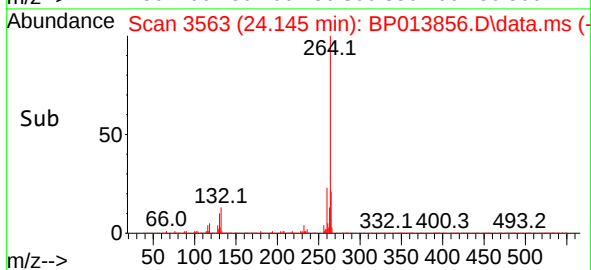
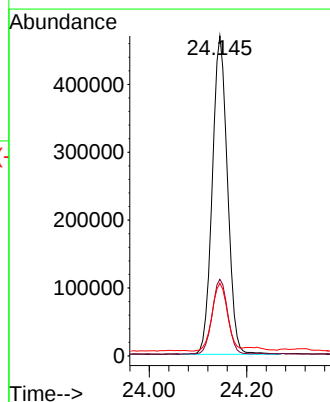
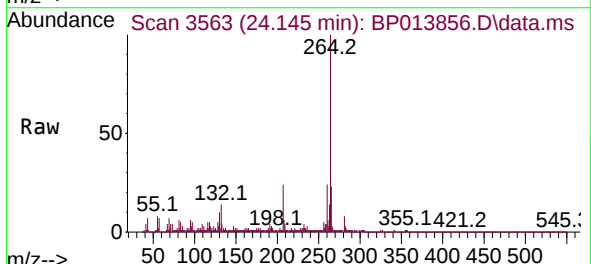
Delta R.T. 0.012 min

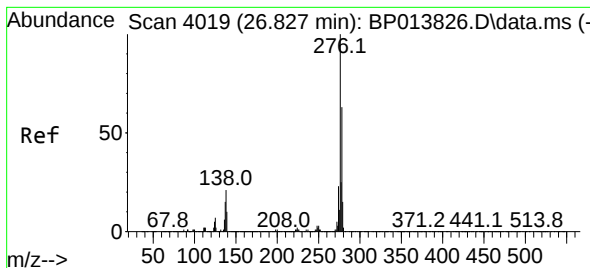
Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Tgt Ion:264 Resp: 1016219

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.0
265	22.7	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.306 ng

RT: 26.839 min Scan# 4019

Delta R.T. 0.012 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

Instrument :

BNA_P

ClientSampleId :

COMP-5

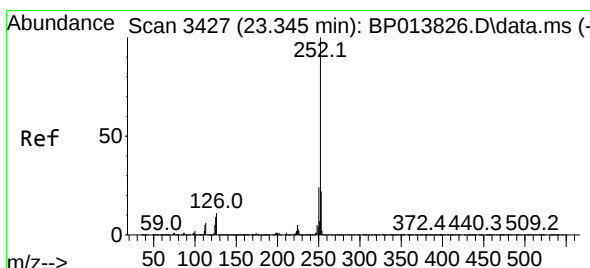
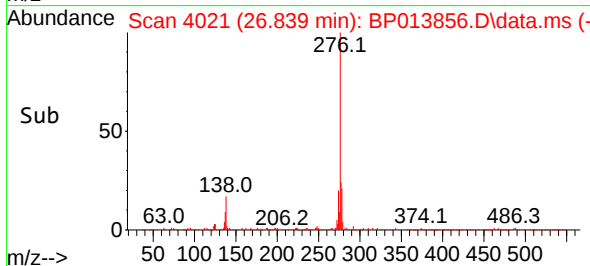
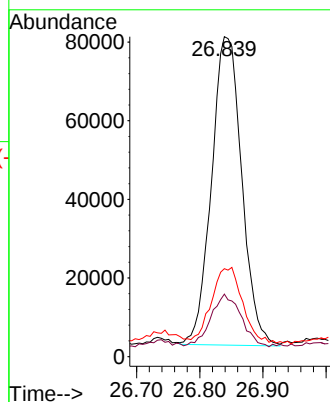
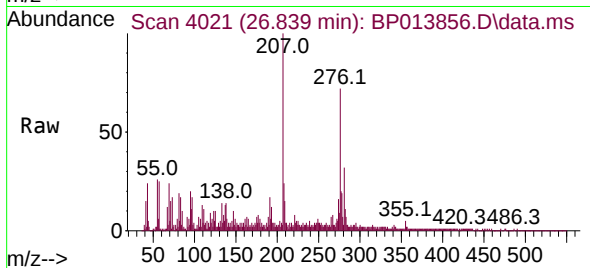
Tgt Ion:276 Resp: 261323
 Ion Ratio Lower Upper
 276 100
 138 18.2 17.8 26.8
 277 24.8 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 02/20/2023

Supervised By :Jagrut Upadhyay 02/20/2023



#88

Benzo(b)fluoranthene

Concen: 7.869 ng

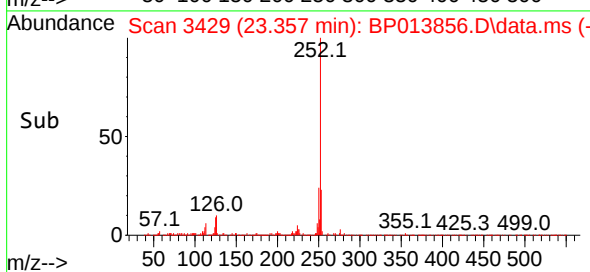
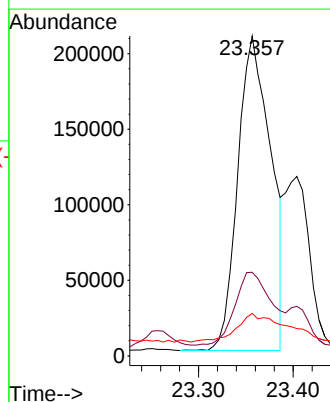
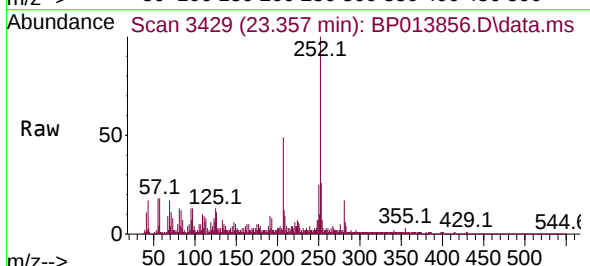
RT: 23.357 min Scan# 3429

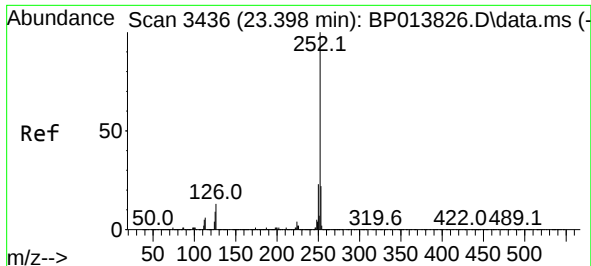
Delta R.T. 0.012 min

Lab File: BP013856.D

Acq: 17 Feb 2023 21:24

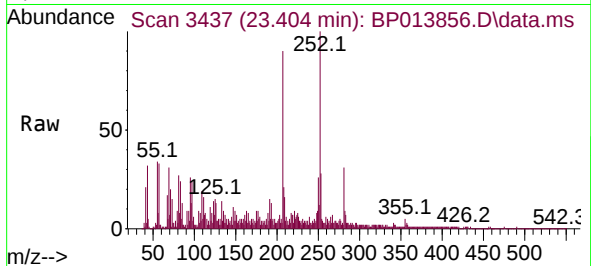
Tgt Ion:252 Resp: 505740
 Ion Ratio Lower Upper
 252 100
 253 26.1 17.8 26.6
 125 13.3 7.1 10.7#





#89
Benzo(k)fluoranthene
Concen: 3.255 ng m
RT: 23.404 min Scan# 3436
Delta R.T. 0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

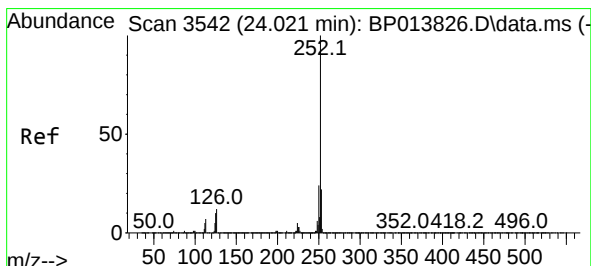
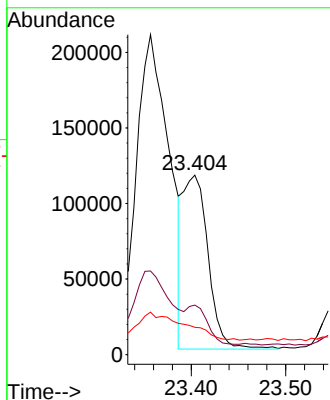
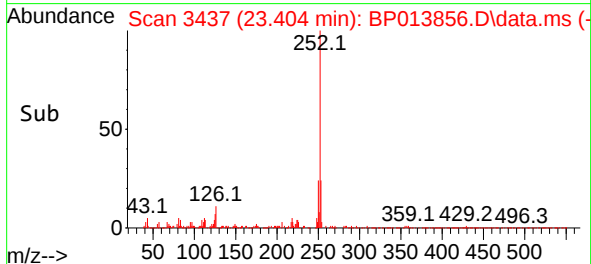
Instrument :
BNA_P
ClientSampleId :
COMP-5



Tgt Ion:252 Resp: 212339
Ion Ratio Lower Upper
252 100
253 27.6 17.5 26.3
125 15.2 7.0 10.4

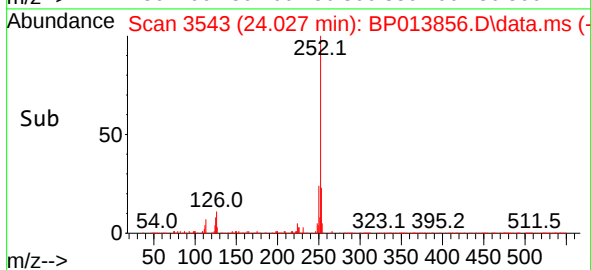
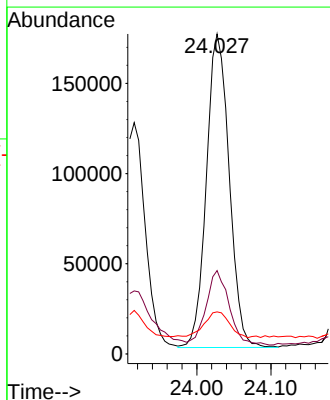
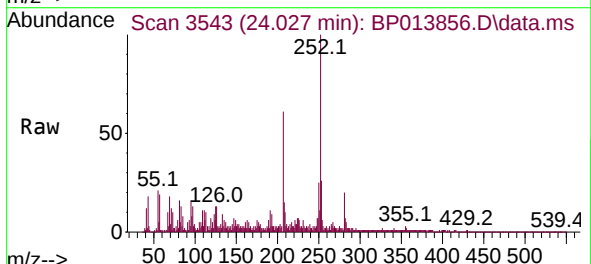
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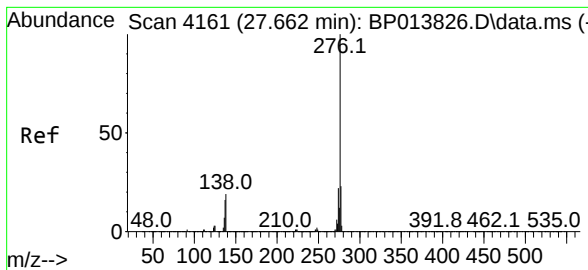
Reviewed By :Yogesh Patel 02/20/2023
Supervised By :Jagrut Upadhyay 02/20/2023



#90
Benzo(a)pyrene
Concen: 5.982 ng
RT: 24.027 min Scan# 3543
Delta R.T. 0.006 min
Lab File: BP013856.D
Acq: 17 Feb 2023 21:24

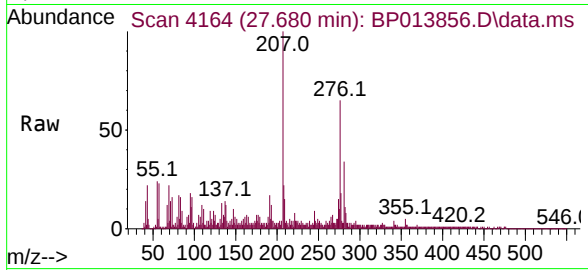
Tgt Ion:252 Resp: 371682
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0
125 13.1 7.7 11.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.977 ng
 RT: 27.680 min Scan# 4164
 Delta R.T. 0.018 min
 Lab File: BP013856.D
 Acq: 17 Feb 2023 21:24

Instrument :
 BNA_P
 ClientSampleId :
 COMP-5



Tgt Ion: 276 Resp: 260438

Ion	Ratio	Lower	Upper
276	100		
277	27.1	18.7	28.1
138	18.3	15.5	23.3

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

