

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030223\
 Data File : BP013938.D
 Acq On : 03 Mar 2023 00:12
 Operator : CG/JU
 Sample : 01744-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11939

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Jagrut Upadhyay 03/03/2023

Quant Time: Mar 03 02:43:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 02 04:26:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.093	152	132187	20.000	ng	0.00
21) Naphthalene-d8	10.916	136	536338	20.000	ng	0.00
39) Acenaphthene-d10	14.728	164	351308	20.000	ng	0.00
64) Phenanthrene-d10	17.486	188	745178	20.000	ng	0.00
76) Chrysene-d12	21.563	240	731308	20.000	ng	# 0.00
86) Perylene-d12	24.110	264	875578	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.634	112	701711	87.489	ng	0.00
7) Phenol-d6	7.246	99	923239	89.878	ng	0.00
23) Nitrobenzene-d5	9.263	82	597595	60.167	ng	0.00
42) 2,4,6-Tribromophenol	16.222	330	402061	78.621	ng	0.00
45) 2-Fluorobiphenyl	13.351	172	1276019	47.708	ng	0.00
79) Terphenyl-d14	20.016	244	2005471	52.762	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.969	128	1592791	54.166	ng	99
37) 2-Methylnaphthalene	12.563	142	775989	36.456	ng	97
38) 1-Methylnaphthalene	12.781	142	444187	22.297	ng	98
46) 1,1'-Biphenyl	13.563	154	317000	11.164	ng	99
52) Acenaphthene	14.798	154	1541067	74.266	ng	99
55) Dibenzofuran	15.128	168	1737468	50.322	ng	97
58) Fluorene	15.781	166	1928959	71.252	ng	99
71) Phenanthrene	17.539	178	7934769	190.072	ng	99
72) Anthracene	17.622	178	640677	15.348	ng	99
73) Carbazole	17.880	167	237032	6.308	ng	98
75) Fluoranthene	19.486	202	5813098	111.701	ng	97
78) Pyrene	19.833	202	3488372	69.802	ng	100
81) Benzo(a)anthracene	21.545	228	842898	16.096	ng	99
83) Chrysene	21.604	228	705272	13.902	ng	98
88) Benzo(b)fluoranthene	23.327	252	349939	6.319	ng	98
90) Benzo(a)pyrene	23.992	252	167218m	3.123	ng	

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

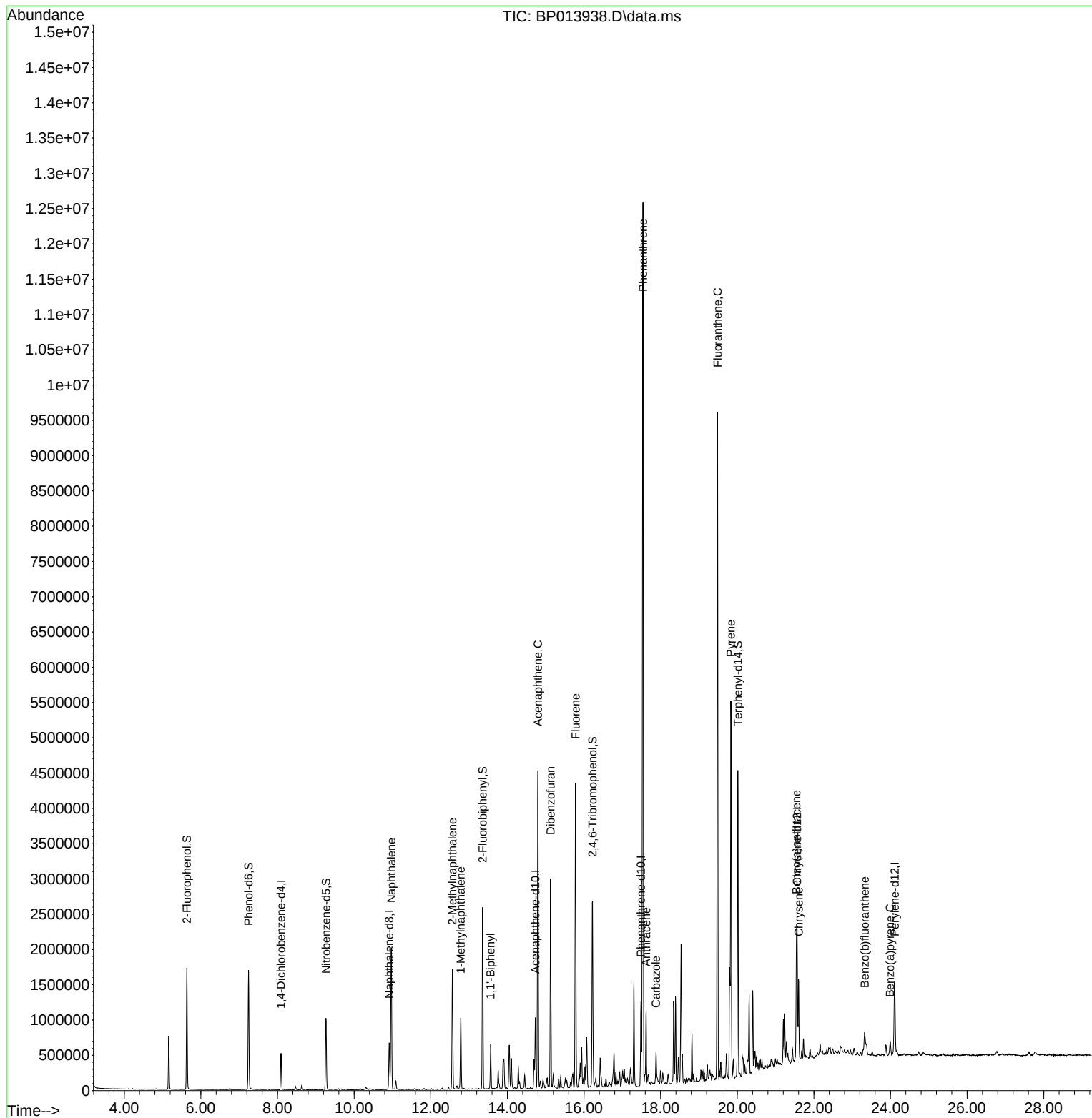
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP030223\
Data File : BP013938.D
Acq On : 03 Mar 2023 00:12
Operator : CG/JU
Sample : 01744-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

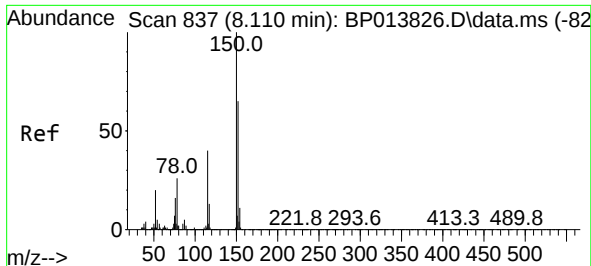
Instrument :
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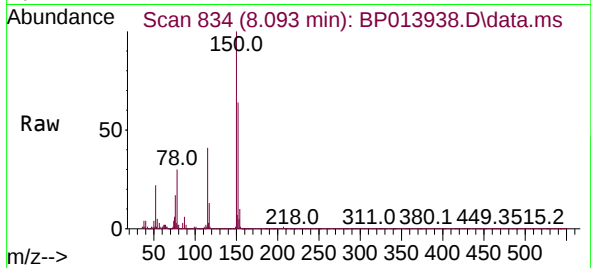
Quant Time: Mar 03 02:43:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 02 04:26:35 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.093 min Scan# 837
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

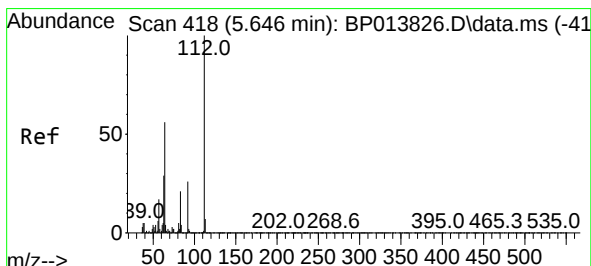
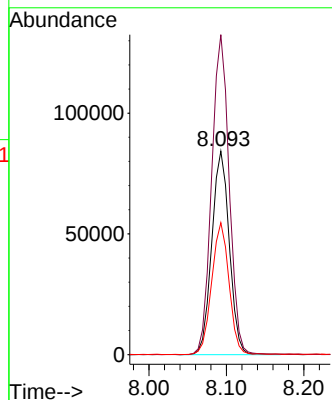
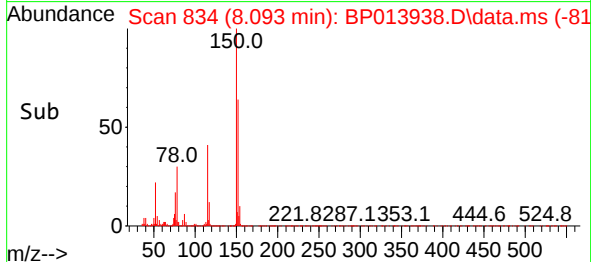
Instrument :
BNA_P
ClientSampleId :
72-11939



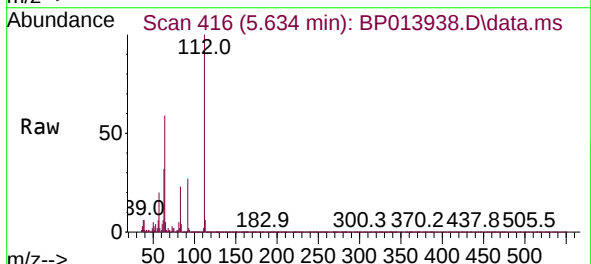
Tgt Ion:152 Resp: 132187
Ion Ratio Lower Upper
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150 157.3 122.8 184.2
115 64.8 49.0 73.6

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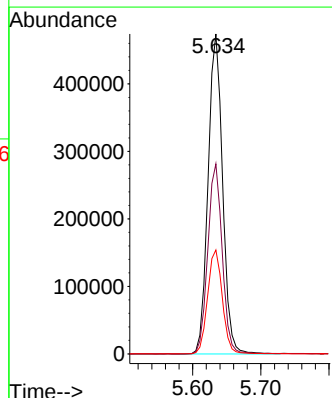
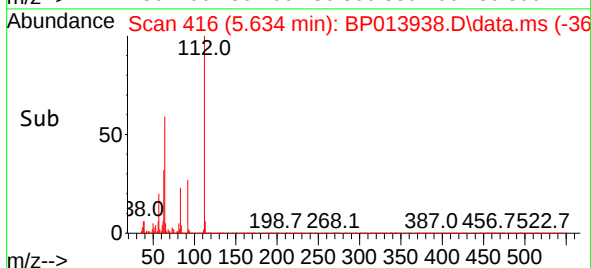
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

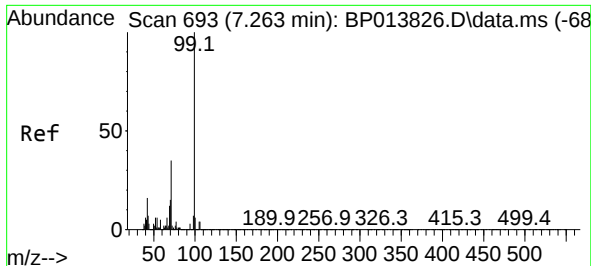


#5
2-Fluorophenol
Concen: 87.489 ng
RT: 5.634 min Scan# 416
Delta R.T. -0.000 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12



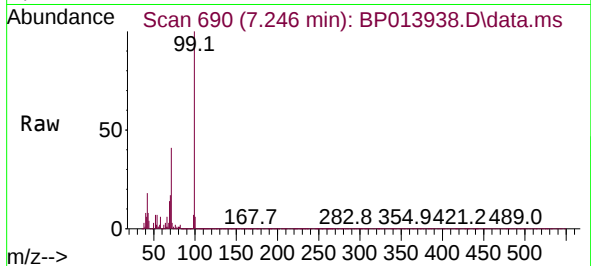
Tgt Ion:112 Resp: 701711
Ion Ratio Lower Upper
112 100
64 59.4 44.6 66.8
63 32.5 23.6 35.4





#7
Phenol-d6
Concen: 89.878 ng
RT: 7.246 min Scan# 693
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

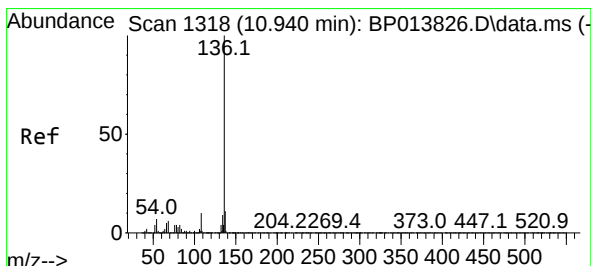
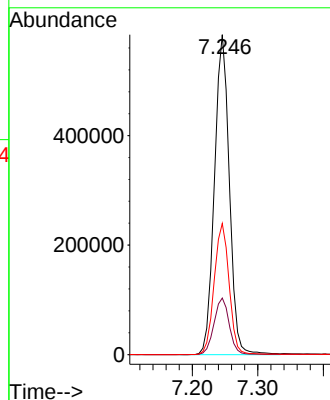
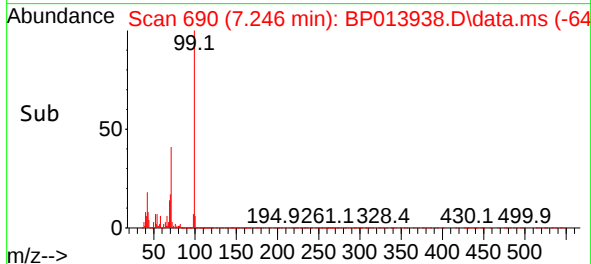
Instrument :
BNA_P
Client Sample Id :
72-11939



Tgt Ion: 99 Resp: 923239
Ion Ratio Lower Upper
99 100
42 17.7 12.5 18.7
71 41.0 27.8 41.8

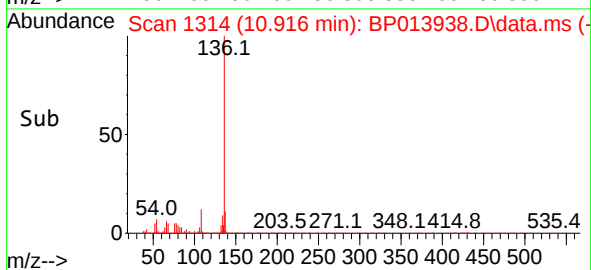
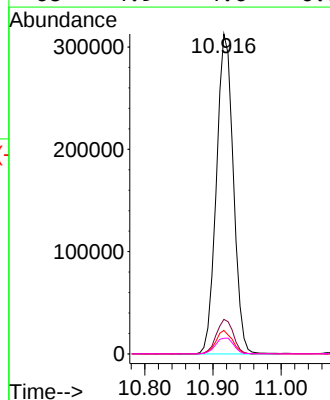
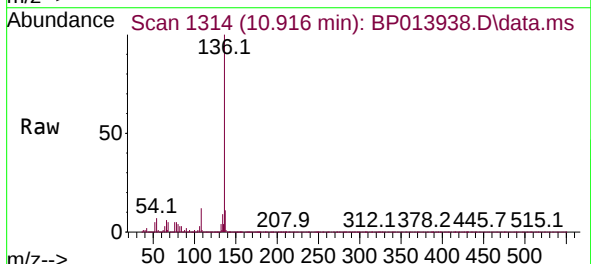
Manual Integrations
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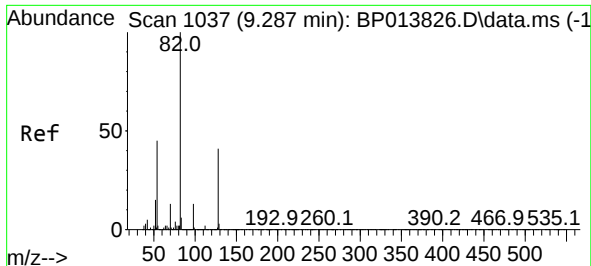
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.916 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

Tgt Ion:136 Resp: 536338
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 7.3 5.8 8.6
68 4.9 4.6 6.8





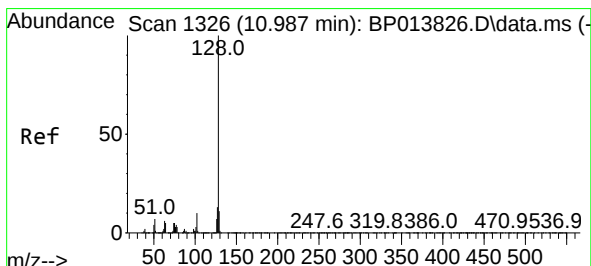
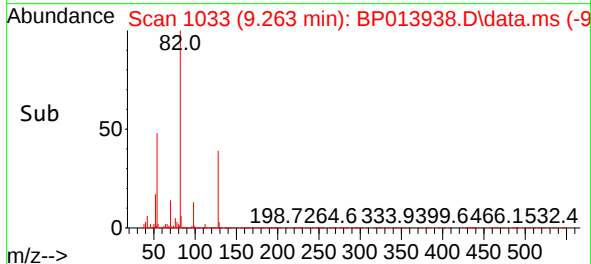
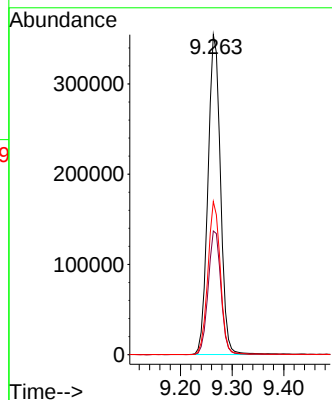
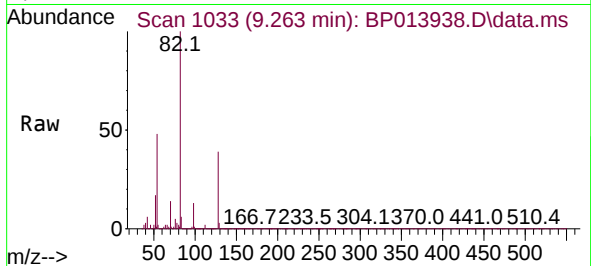
#23
Nitrobenzene-d5
Concen: 60.167 ng
RT: 9.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

Instrument :
BNA_P
ClientSampleId :
72-11939

Tgt Ion: 82 Resp: 597595
Ion Ratio Lower Upper
82 100
128 38.6 32.9 49.3
54 47.8 35.6 53.4

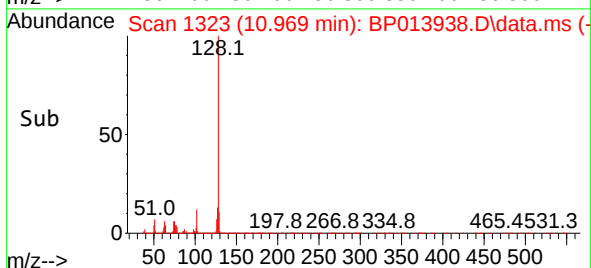
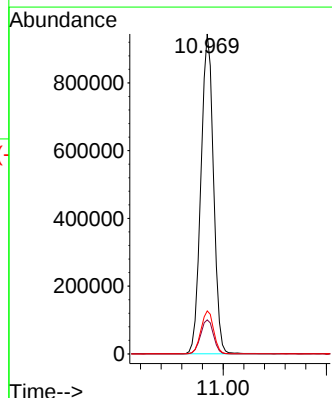
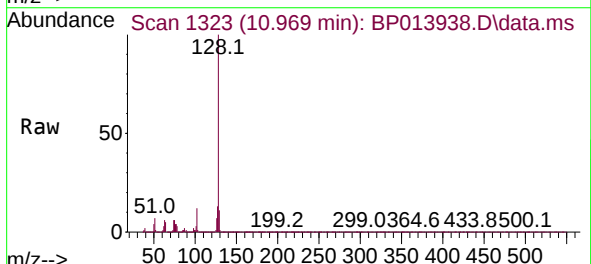
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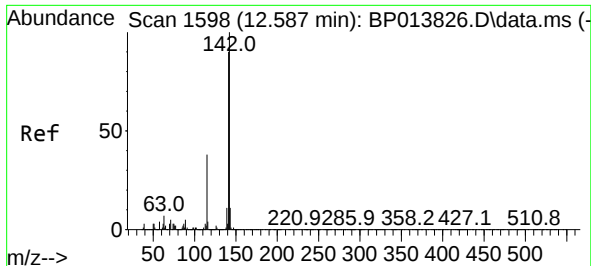
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#31
Naphthalene
Concen: 54.166 ng
RT: 10.969 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

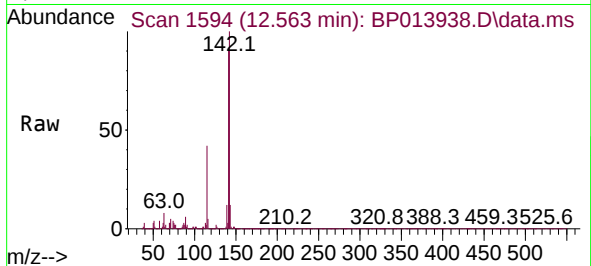
Tgt Ion:128 Resp: 1592791
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 13.4 10.4 15.6





#37
2-Methylnaphthalene
Concen: 36.456 ng
RT: 12.563 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

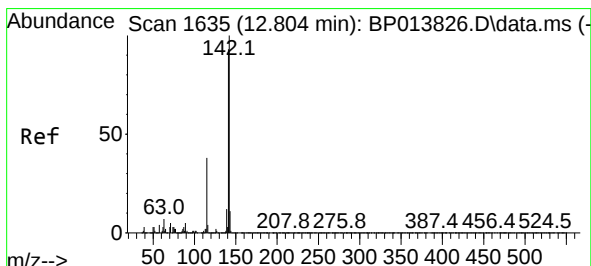
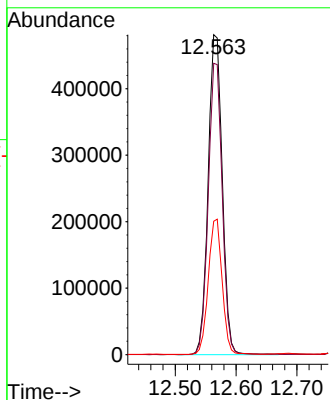
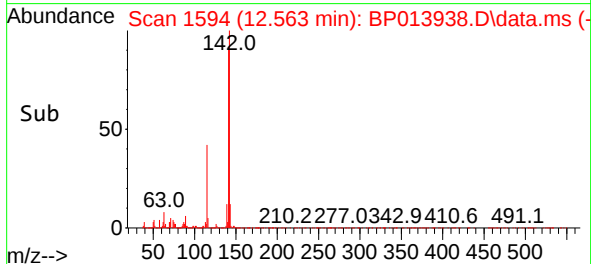
Instrument :
BNA_P
ClientSampleId :
72-11939



Tgt Ion:142 Resp: 775989
Ion Ratio Lower Upper
142 100
141 91.0 72.1 108.1
115 41.7 30.2 45.4

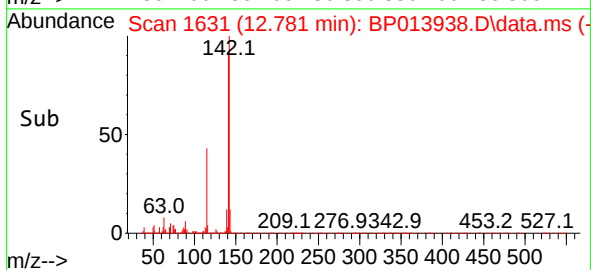
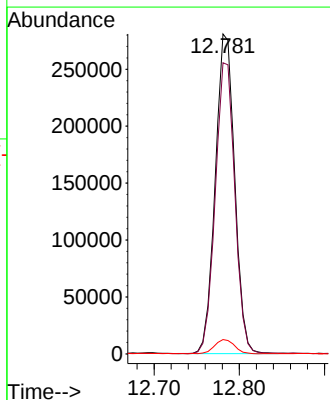
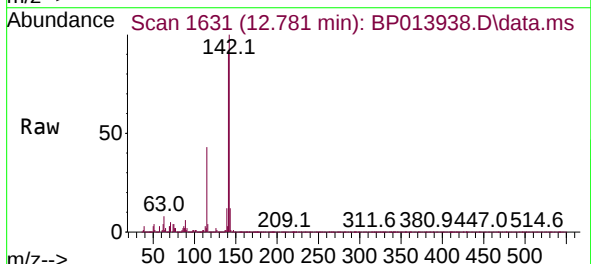
Manual Integrations
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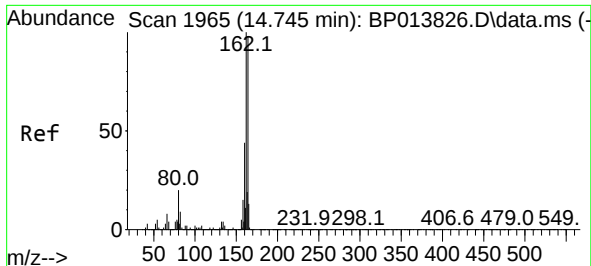
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#38
1-Methylnaphthalene
Concen: 22.297 ng
RT: 12.781 min Scan# 1631
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

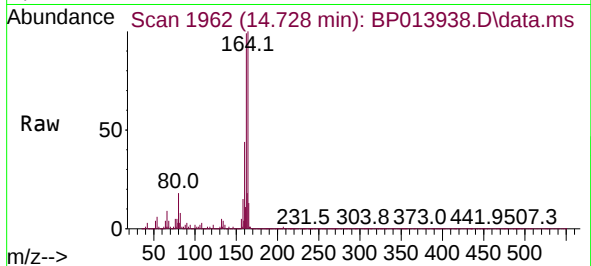
Tgt Ion:142 Resp: 444187
Ion Ratio Lower Upper
142 100
141 91.0 74.2 111.4
116 4.5 3.3 4.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.728 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

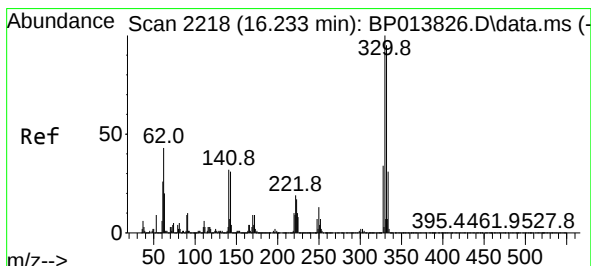
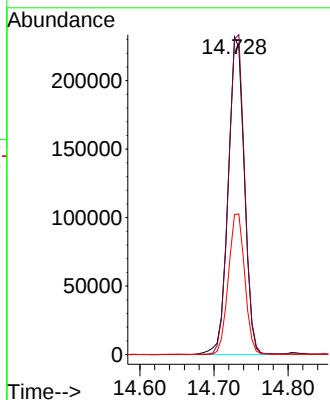
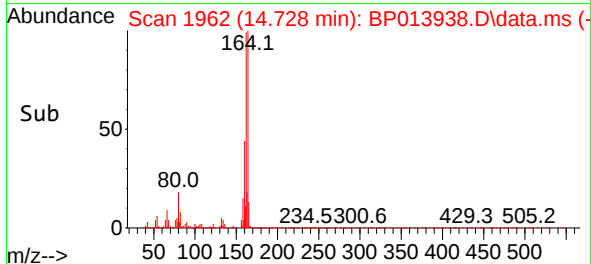
Instrument :
BNA_P
Client Sample Id :
72-11939



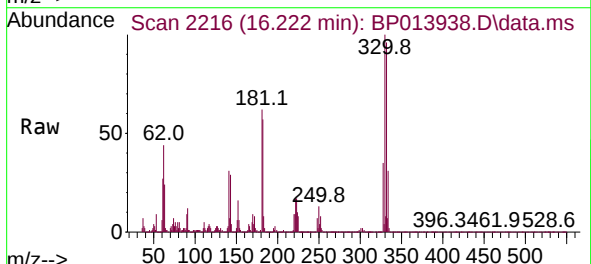
Tgt Ion:164 Resp: 351308
Ion Ratio Lower Upper
164 100
162 99.4 81.7 122.5
160 44.1 36.1 54.1

Manual Integrations
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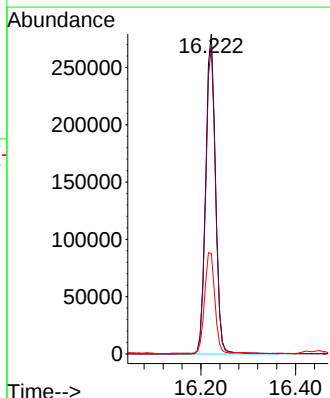
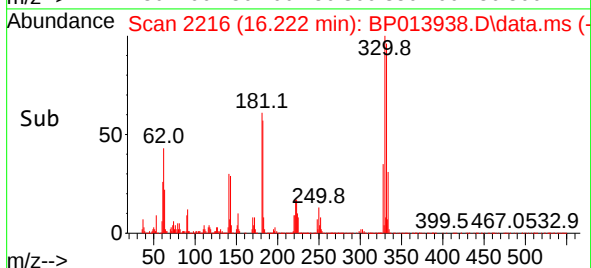
Reviewed By :Yogesh Patel 03/03/2023
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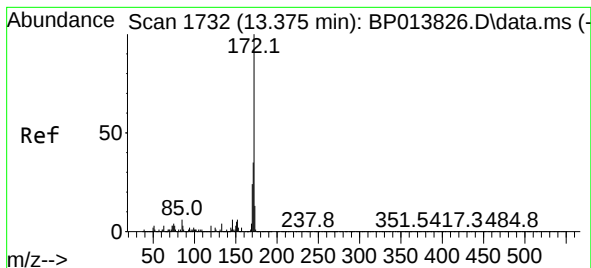


#42
2,4,6-Tribromophenol
Concen: 78.621 ng
RT: 16.222 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12



Tgt Ion:330 Resp: 402061
Ion Ratio Lower Upper
330 100
332 96.0 76.7 115.1
141 32.5 25.1 37.7





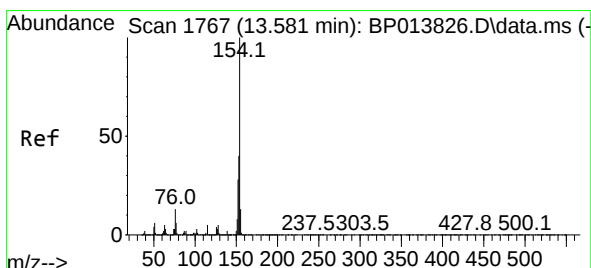
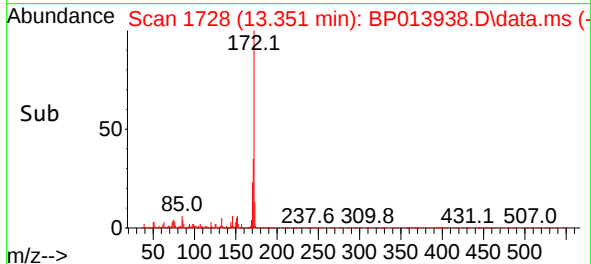
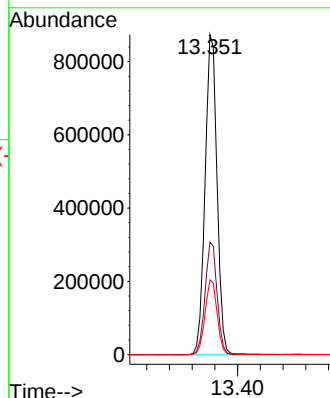
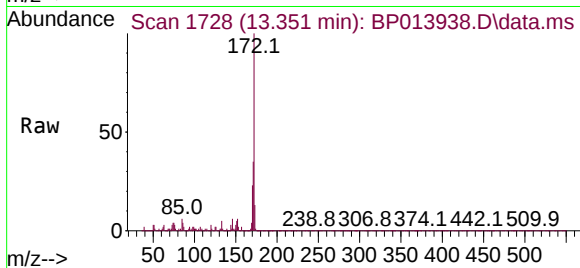
#45
2-Fluorobiphenyl
Concen: 47.708 ng
RT: 13.351 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

Instrument :
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ClientSampleId :
72-11939

Tgt Ion:172 Resp: 1276019
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 23.4 19.0 28.4

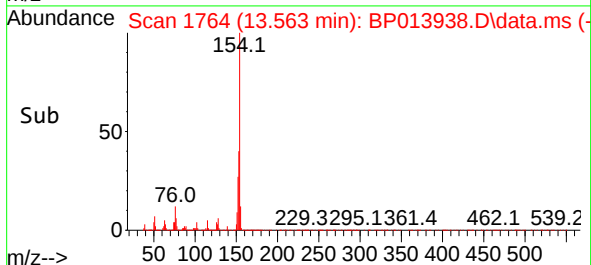
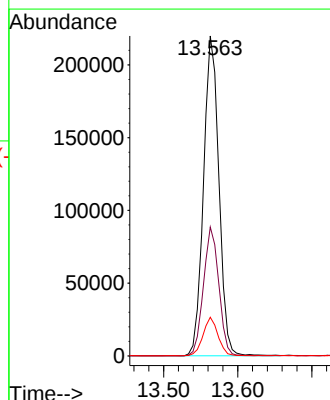
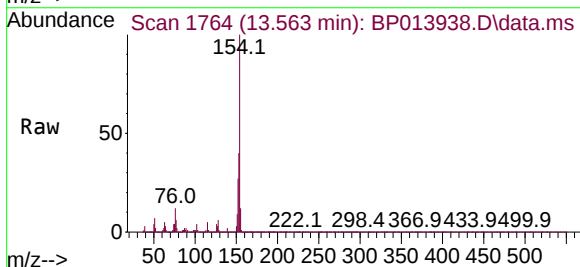
Manual Integrations
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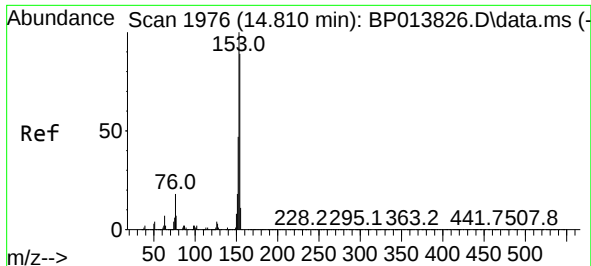
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#46
1,1'-Biphenyl
Concen: 11.164 ng
RT: 13.563 min Scan# 1764
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

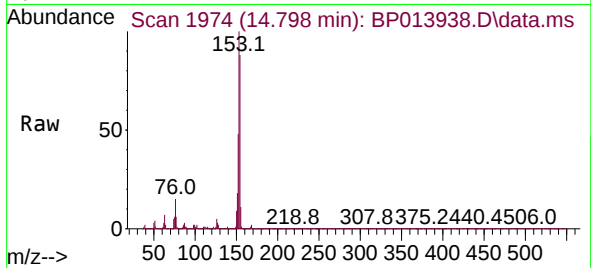
Tgt Ion:154 Resp: 317000
Ion Ratio Lower Upper
154 100
153 40.3 19.9 59.9
76 12.1 0.0 32.8





#52
Acenaphthene
Concen: 74.266 ng
RT: 14.798 min Scan# 1976
Delta R.T. -0.000 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

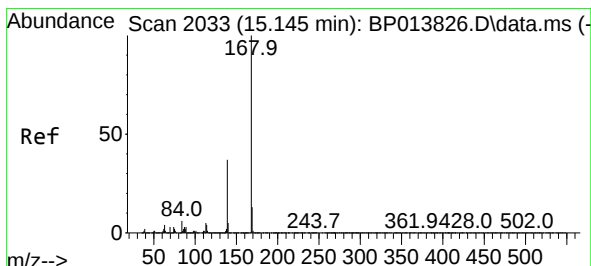
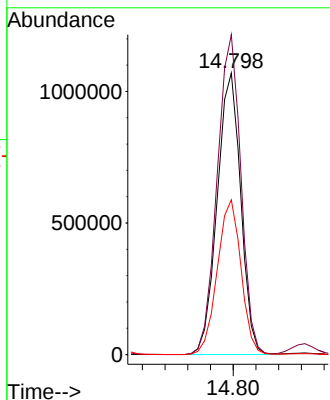
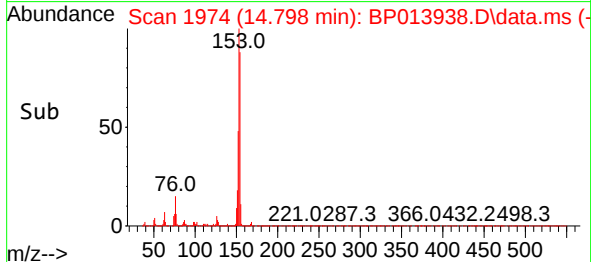
Instrument :
BNA_P
ClientSampleId :
72-11939



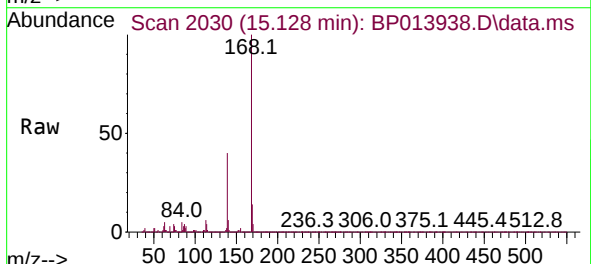
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Ion Ratio Lower Upper
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153 113.7 90.4 135.6
152 55.0 42.6 64.0

Manual Integrations
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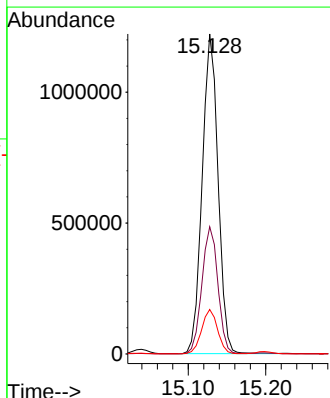
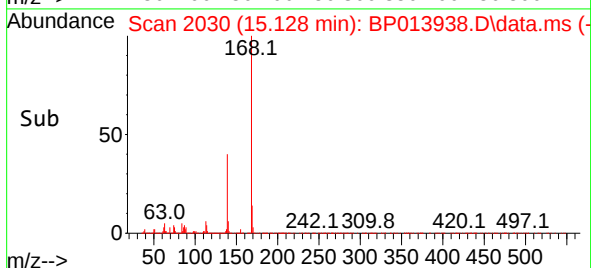
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

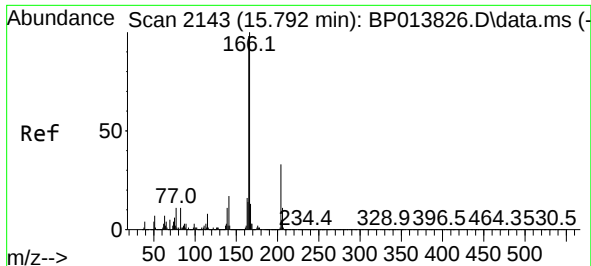


#55
Dibenzofuran
Concen: 50.322 ng
RT: 15.128 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12



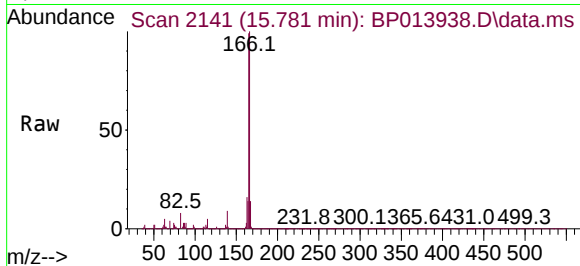
Tgt Ion:168 Resp: 1737468
Ion Ratio Lower Upper
168 100
139 39.7 29.8 44.8
169 13.9 10.8 16.2





#58
Fluorene
Concen: 71.252 ng
RT: 15.781 min Scan# 2141
Delta R.T. -0.000 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

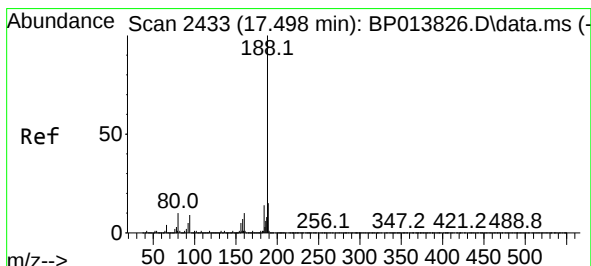
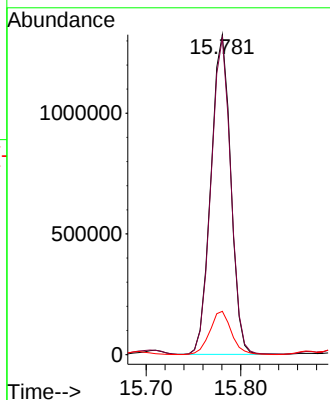
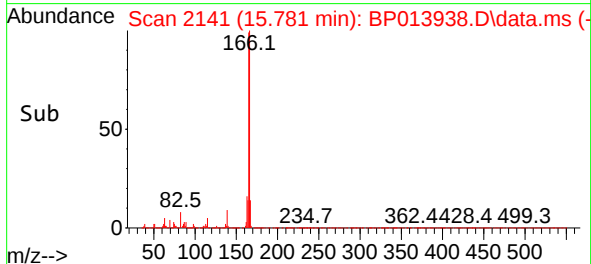
Instrument :
BNA_P
ClientSampleId :
72-11939



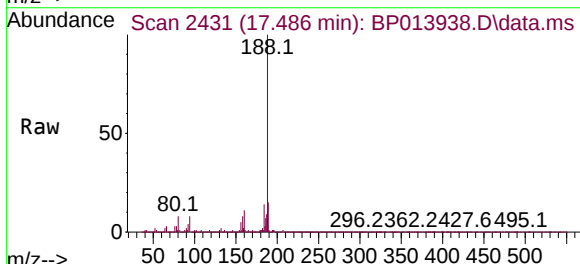
Tgt Ion:166 Resp: 1928959
Ion Ratio Lower Upper
166 100
165 99.0 78.1 117.1
167 13.5 10.7 16.1

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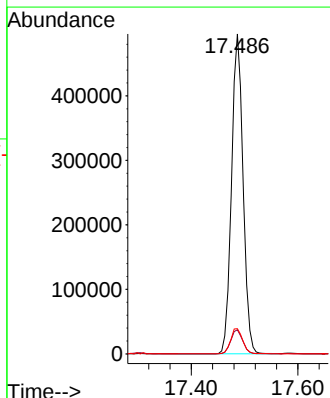
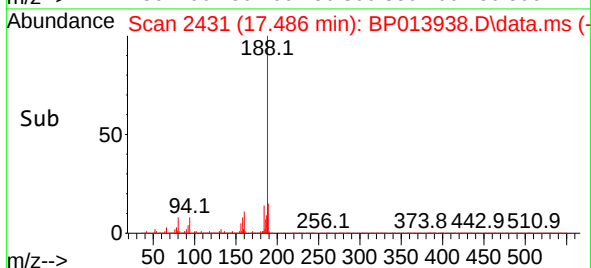
Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023

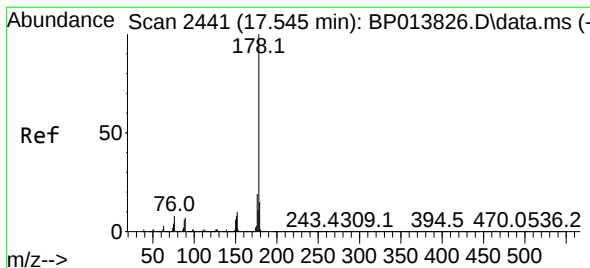


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.486 min Scan# 2431
Delta R.T. -0.000 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12



Tgt Ion:188 Resp: 745178
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 7.9 7.8 11.8





#71

Phenanthrene

Concen: 190.072 ng

RT: 17.539 min Scan# 2441

Delta R.T. 0.006 min

Lab File: BP013938.D

Acq: 03 Mar 2023 00:12

Instrument :

BNA_P

ClientSampleId :

72-11939

Tgt Ion:178 Resp: 7934769

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

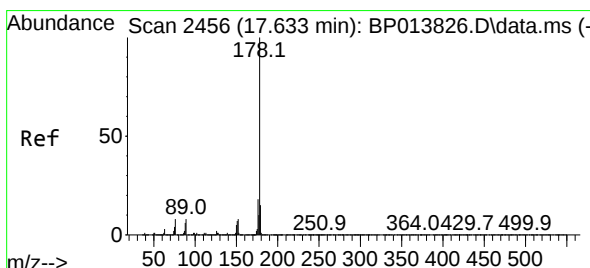
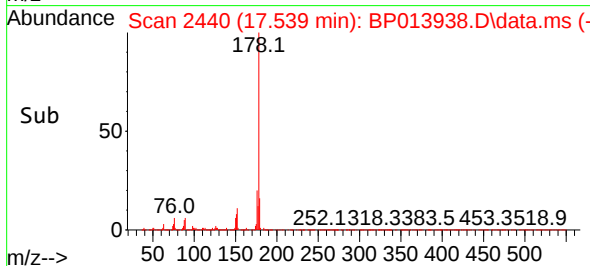
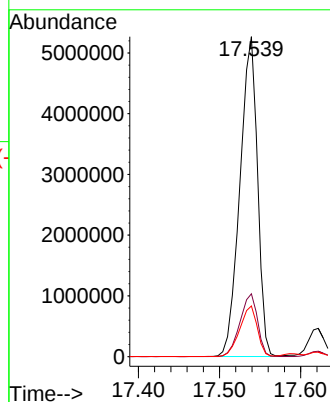
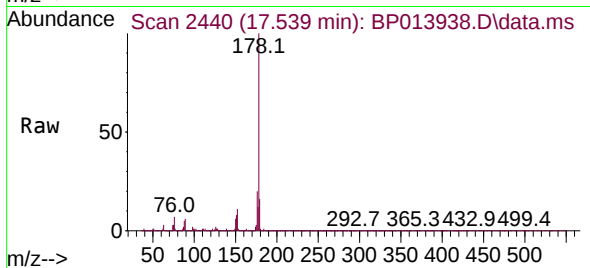
179 15.9 12.2 18.4

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#72

Anthracene

Concen: 15.348 ng

RT: 17.622 min Scan# 2454

Delta R.T. -0.000 min

Lab File: BP013938.D

Acq: 03 Mar 2023 00:12

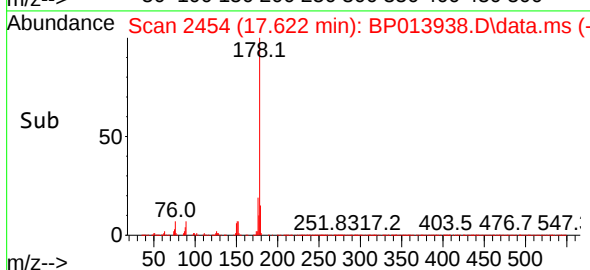
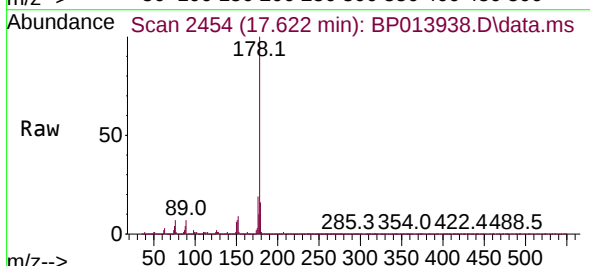
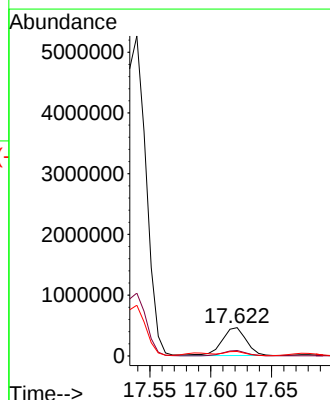
Tgt Ion:178 Resp: 640677

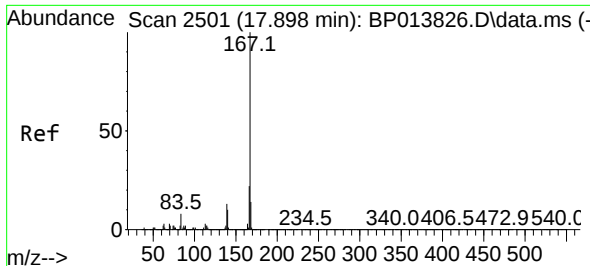
Ion Ratio Lower Upper

178 100

176 19.0 14.7 22.1

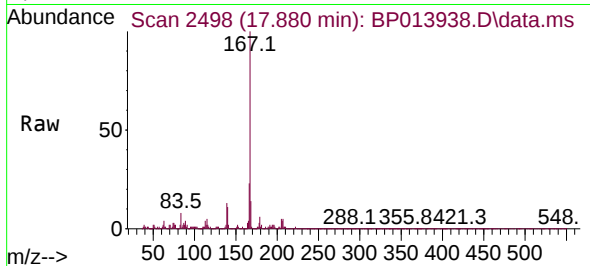
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 6.308 ng
 RT: 17.880 min Scan# 2498
 Delta R.T. -0.006 min
 Lab File: BP013938.D
 Acq: 03 Mar 2023 00:12

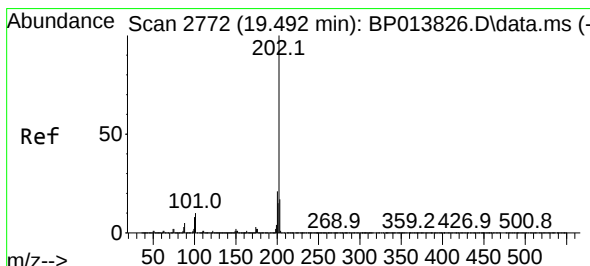
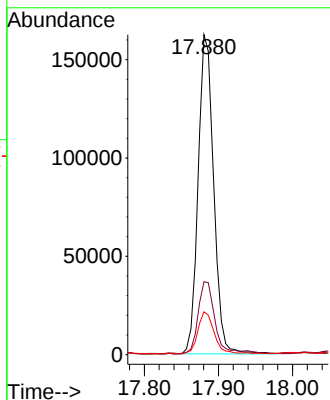
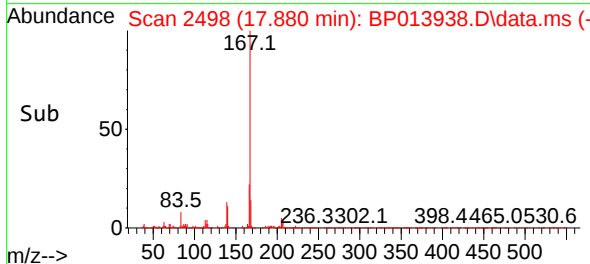
Instrument :
 BNA_P
 ClientSampleId :
 72-11939



Tgt Ion:167 Resp: 237032
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.7 26.5
 139 13.4 10.2 15.2

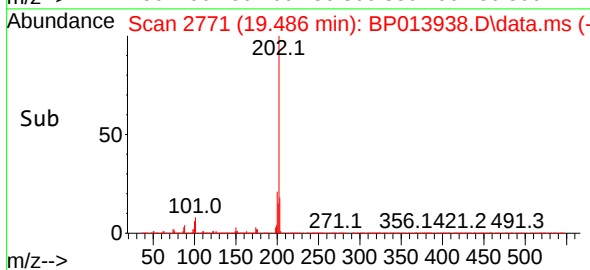
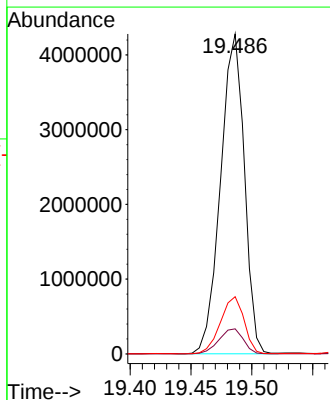
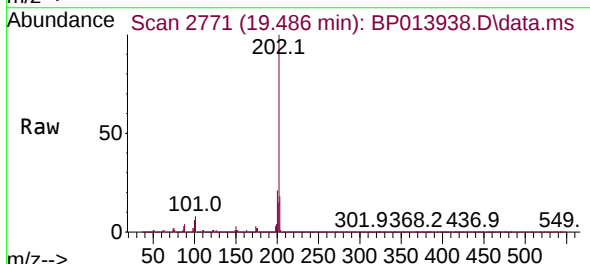
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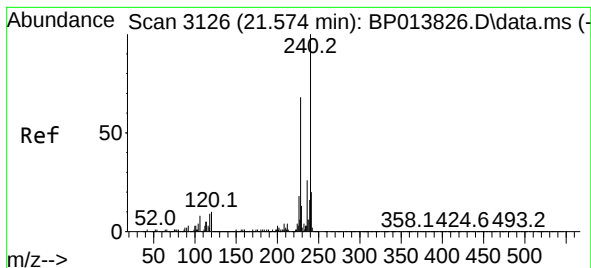
Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Jagrut Upadhyay 03/03/2023



#75
 Fluoranthene
 Concen: 111.701 ng
 RT: 19.486 min Scan# 2771
 Delta R.T. 0.006 min
 Lab File: BP013938.D
 Acq: 03 Mar 2023 00:12

Tgt Ion:202 Resp: 5813098
 Ion Ratio Lower Upper
 202 100
 101 7.8 0.0 30.0
 203 17.9 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.563 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BP013938.D

Acq: 03 Mar 2023 00:12

Instrument :

BNA_P

ClientSampleId :

72-11939

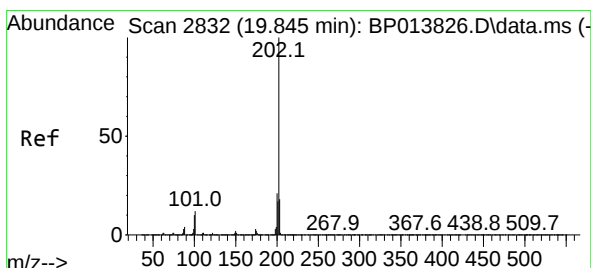
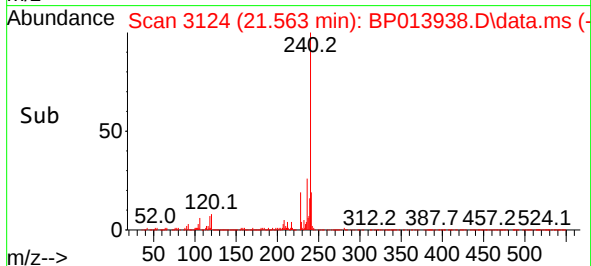
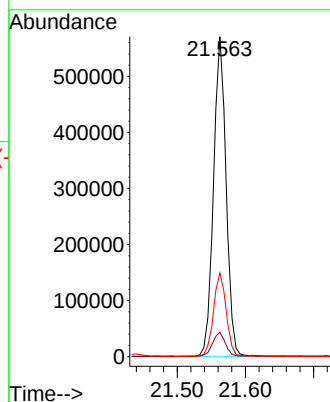
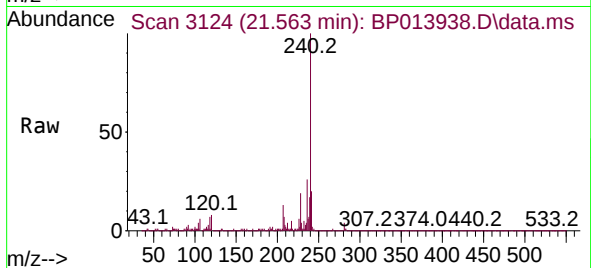
Tgt Ion:240 Resp: 731308
 Ion Ratio Lower Upper
 240 100
 120 7.6 7.9 11.9
 236 26.1 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#78

Pyrene

Concen: 69.802 ng

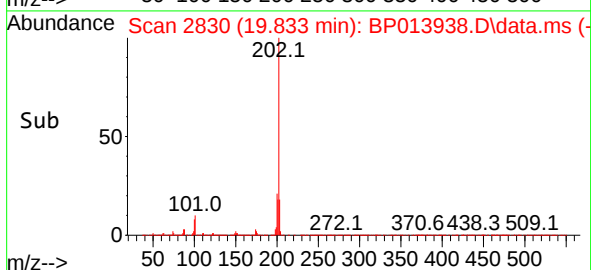
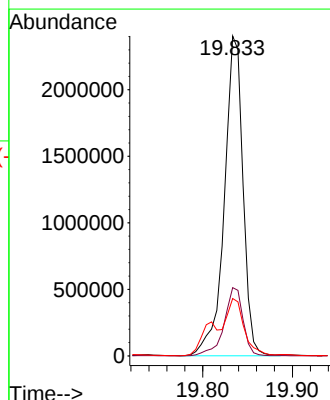
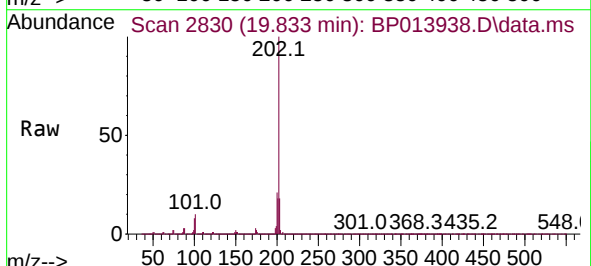
RT: 19.833 min Scan# 2830

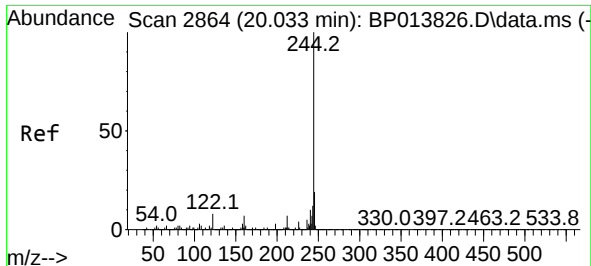
Delta R.T. -0.000 min

Lab File: BP013938.D

Acq: 03 Mar 2023 00:12

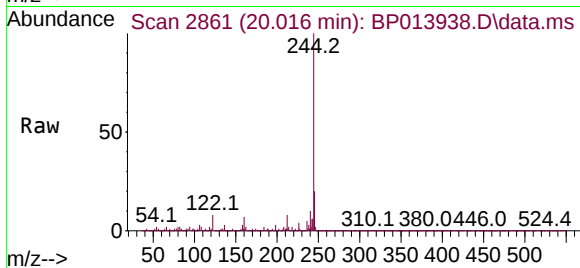
Tgt Ion:202 Resp: 3488372
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.9 25.3
 203 17.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 52.762 ng
 RT: 20.016 min Scan# 2861
 Delta R.T. -0.006 min
 Lab File: BP013938.D
 Acq: 03 Mar 2023 00:12

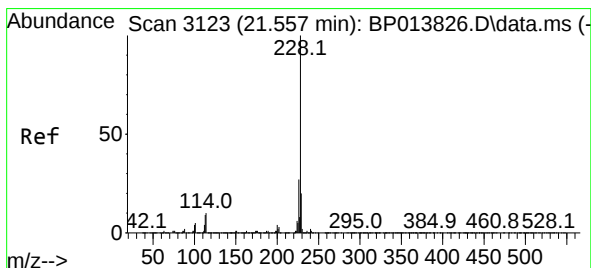
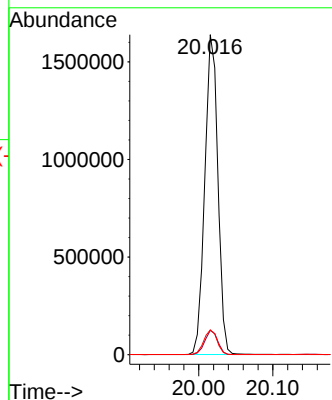
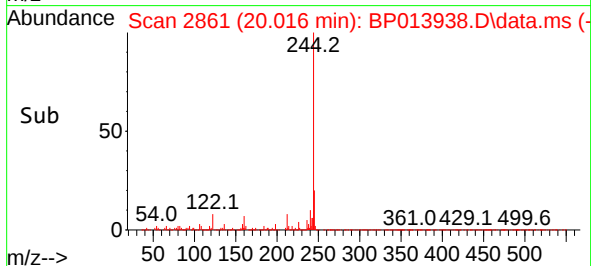
Instrument :
 BNA_P
 ClientSampleId :
 72-11939



Tgt Ion:244 Resp: 200547
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.6
 122 7.7 6.7 10.1

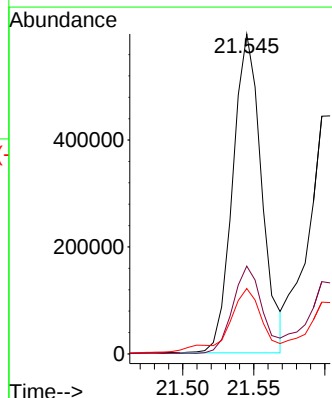
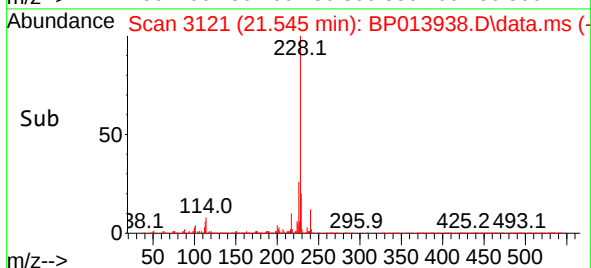
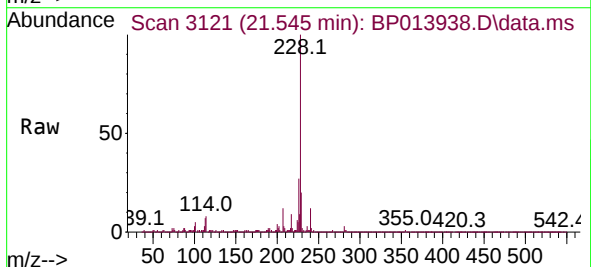
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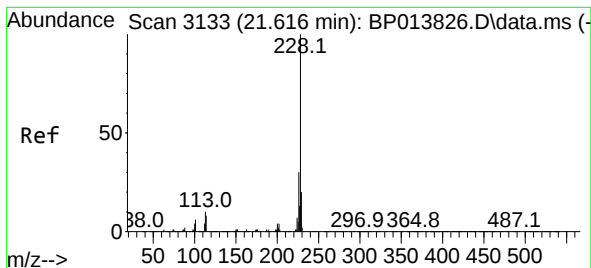
Reviewed By :Yogesh Patel 03/03/2023
 Supervised By :Jagrut Upadhyay 03/03/2023



#81
 Benzo(a)anthracene
 Concen: 16.096 ng
 RT: 21.545 min Scan# 3121
 Delta R.T. -0.006 min
 Lab File: BP013938.D
 Acq: 03 Mar 2023 00:12

Tgt Ion:228 Resp: 842898
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.7 32.5
 229 20.4 15.8 23.6





#83

Chrysene

Concen: 13.902 ng

RT: 21.604 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP013938.D

Acq: 03 Mar 2023 00:12

Instrument :

BNA_P

ClientSampleId :

72-11939

Tgt Ion:228 Resp: 705272

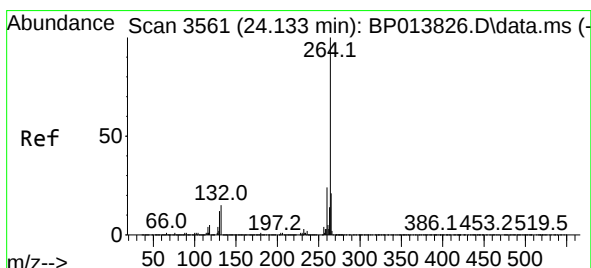
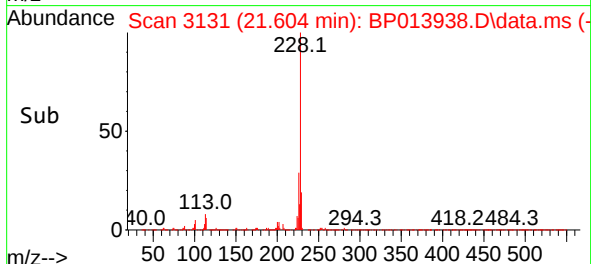
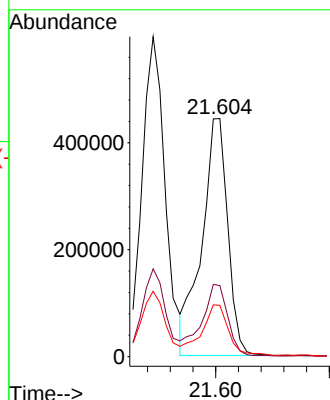
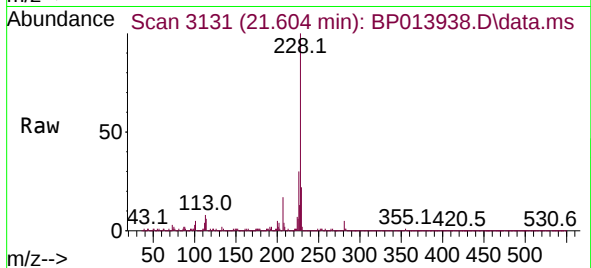
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	21.6	15.8	23.6

Manual Integrations

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Reviewed By :Yogesh Patel 03/03/2023

Supervised By :Jagrut Upadhyay 03/03/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.110 min Scan# 3557

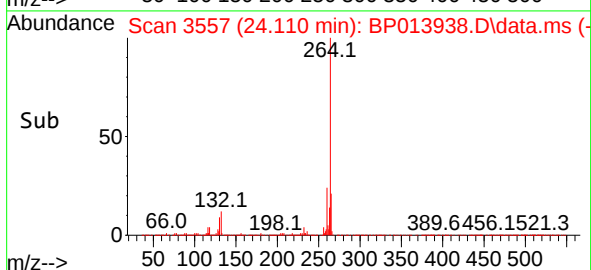
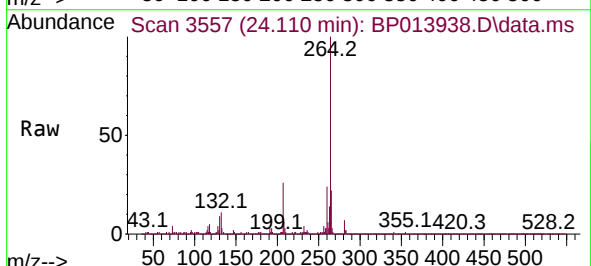
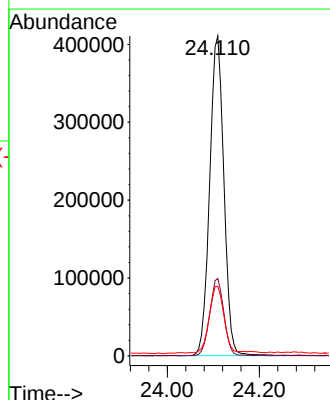
Delta R.T. -0.000 min

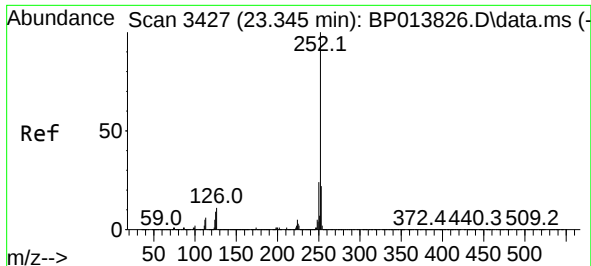
Lab File: BP013938.D

Acq: 03 Mar 2023 00:12

Tgt Ion:264 Resp: 875578

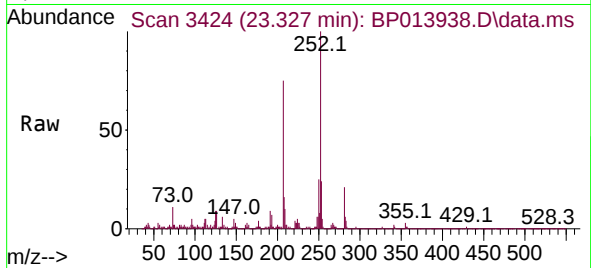
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	21.7	17.6	26.4





#88
Benzo(b)fluoranthene
Concen: 6.319 ng
RT: 23.327 min Scan# 3427
Delta R.T. -0.000 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

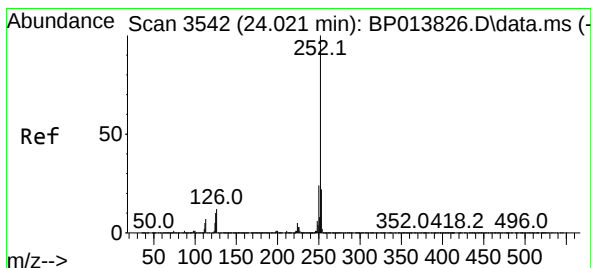
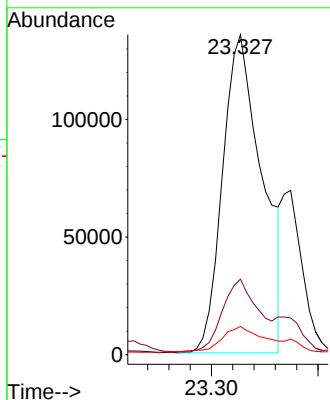
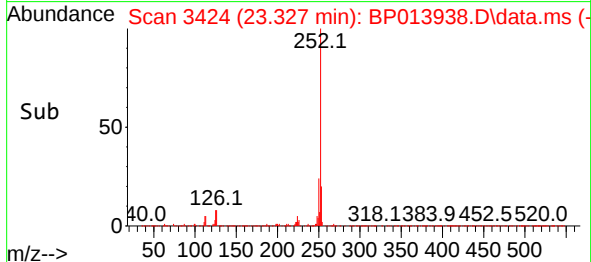
Instrument : BNA_P
ClientSampleId : 72-11939



Tgt Ion:252 Resp: 349939
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 8.8 7.1 10.7

Manual Integrations
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Reviewed By :Yogesh Patel 03/03/2023
Supervised By :Jagrut Upadhyay 03/03/2023



#90
Benzo(a)pyrene
Concen: 3.123 ng m
RT: 23.992 min Scan# 3537
Delta R.T. -0.006 min
Lab File: BP013938.D
Acq: 03 Mar 2023 00:12

Tgt Ion:252 Resp: 167218
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 7.5 7.7 11.5#

