

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037448.D
 Acq On : 10 Nov 2022 13:07
 Operator : CG/JU
 Sample : N5436-01DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 250FERRYBLVD-TFS-01DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/11/2022
 Supervised By : Jagrut Upadhyay 11/11/2022

Quant Time: Nov 10 15:55:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 09 02:08:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							11/11/2022
1) 1,4-Dichlorobenzene-d4	7.810	152	265910	20.000	ng	-0.01	Supervised By : Jagrut Upadhyay
21) Naphthalene-d8	10.610	136	1085746	20.000	ng	-0.02	
39) Acenaphthene-d10	14.445	164	658494	20.000	ng	-0.02	
64) Phenanthrene-d10	17.192	188	1410957	20.000	ng	-0.01	
76) Chrysene-d12	21.374	240	1480092	20.000	ng	0.00	
86) Perylene-d12	23.703	264	1538127	20.000	ng	0.00	11/11/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.387	112	265788	17.268	ng	0.00	
7) Phenol-d6	6.993	99	333850	15.982	ng	-0.01	
23) Nitrobenzene-d5	8.981	82	208235	9.676	ng	-0.02	
42) 2,4,6-Tribromophenol	15.939	330	157776	20.332	ng	-0.02	
45) 2-Fluorobiphenyl	13.075	172	502736	10.144	ng	-0.02	
79) Terphenyl-d14	19.815	244	805630	9.761	ng	-0.01	
Target Compounds							Qvalue
20) 3+4-Methylphenols	8.593	107	160010	7.615	ng		92
27) 2,4-Dimethylphenol	9.792	122	247050	17.043	ng		98
31) Naphthalene	10.657	128	220070	3.578	ng		99
49) Acenaphthylene	14.169	152	350726	5.343	ng		98
52) Acenaphthene	14.510	154	81183	2.000	ng		98
58) Fluorene	15.492	166	158007	3.028	ng	#	98
71) Phenanthrene	17.233	178	1185082	13.538	ng		99
72) Anthracene	17.321	178	497355	6.002	ng		99
75) Fluoranthene	19.251	202	4153831	44.890	ng		99
78) Pyrene	19.615	202	4756718	41.794	ng		96
81) Benzo(a)anthracene	21.356	228	1933860	18.353	ng		97
83) Chrysene	21.409	228	1794048	17.672	ng		98
87) Indeno(1,2,3-cd)pyrene	26.109	276	946528	7.516	ng	#	94
88) Benzo(b)fluoranthene	22.997	252	1974057m	18.486	ng		
89) Benzo(k)fluoranthene	23.039	252	682164m	6.263	ng		
90) Benzo(a)pyrene	23.603	252	1490976	17.136	ng		97
91) Dibenzo(a,h)anthracene	26.121	278	255118m	2.439	ng		
92) Benzo(g,h,i)perylene	26.856	276	925462	9.092	ng		97

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

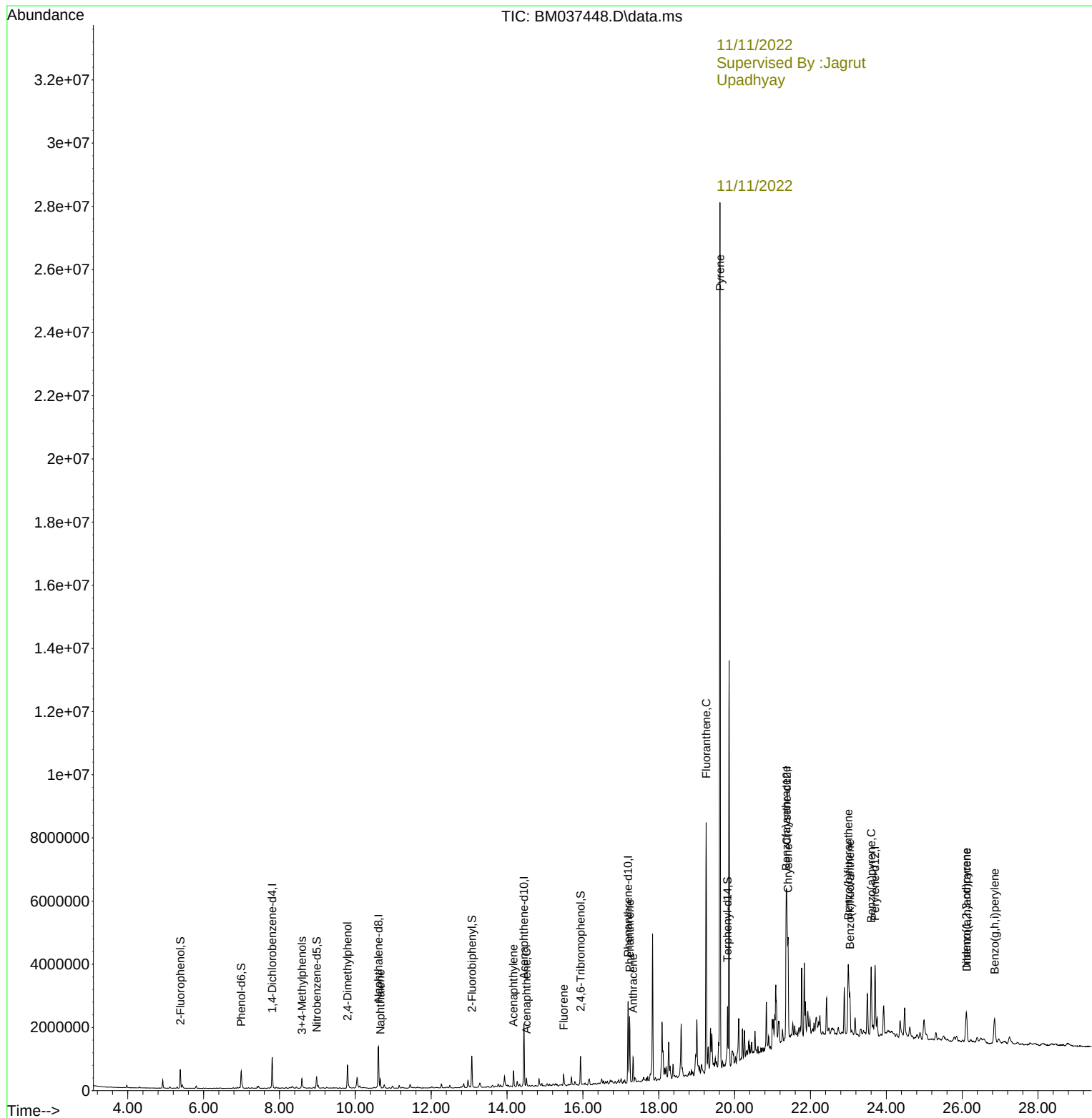
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037448.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

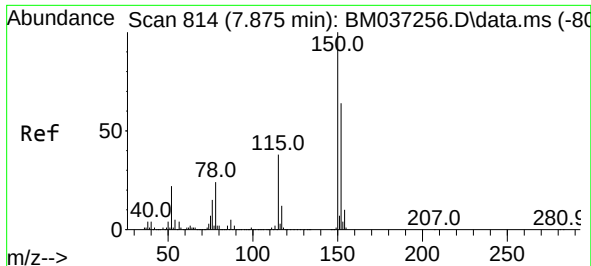
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

Quant Time: Nov 10 15:55:32 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 09 02:08:14 2022
Response via : Initial Calibration

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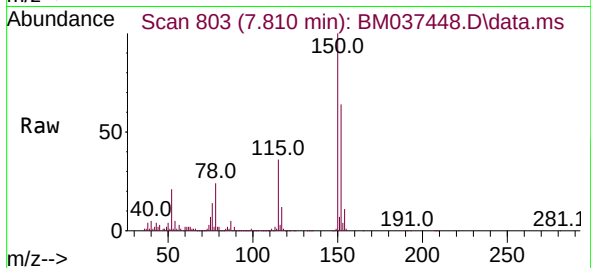
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

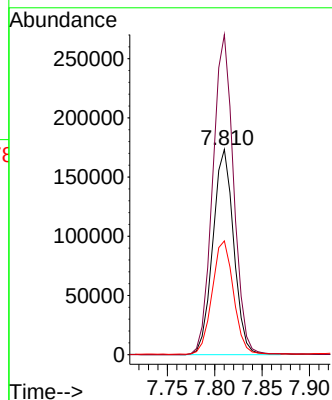
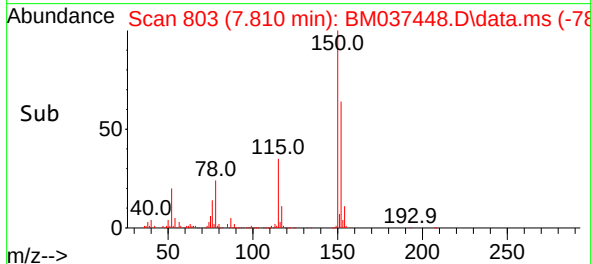
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL



Tgt Ion:152 Resp: 265910
Ion Ratio Lower Upper
152 100
150 156.0 124.8 187.2
115 55.4 47.0 70.4

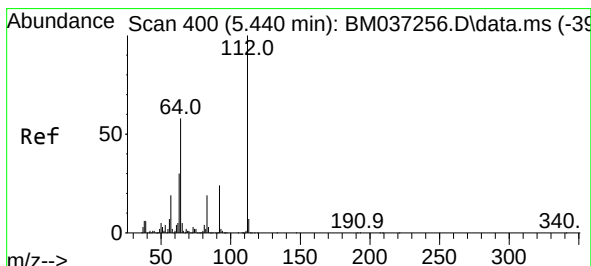
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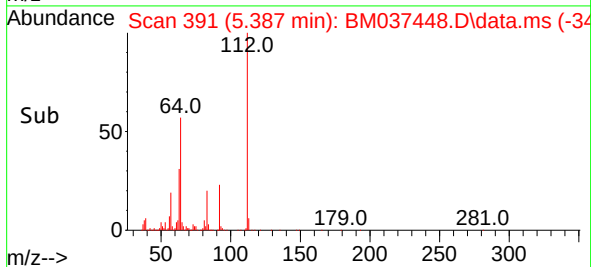
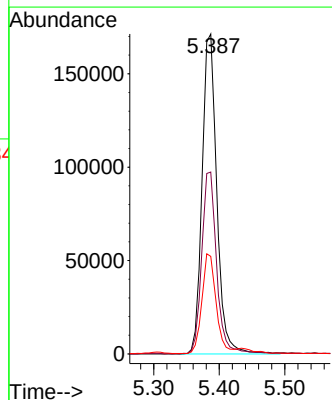
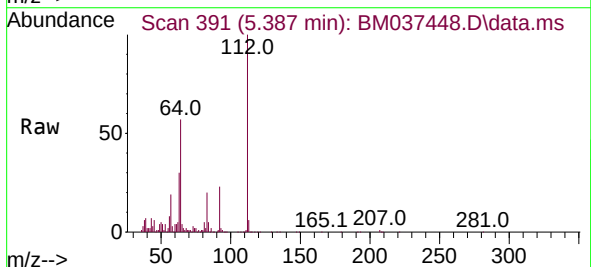
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Upadhyay

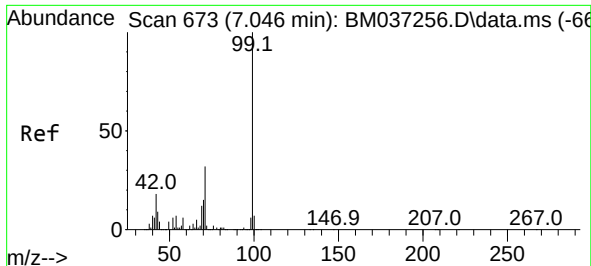
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#5
2-Fluorophenol
Concen: 17.268 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:112 Resp: 265788
Ion Ratio Lower Upper
112 100
64 56.8 46.8 70.2
63 30.5 24.4 36.6





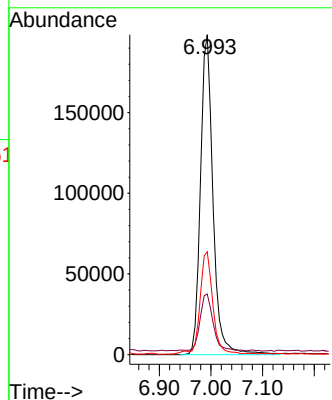
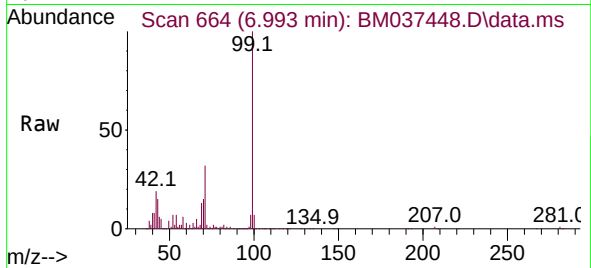
#7
Phenol-d6
Concen: 15.982 ng
RT: 6.993 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

Tgt Ion: 99 Resp: 333850
Ion Ratio Lower Upper
99 100
42 18.9 14.8 22.2
71 32.1 25.6 38.4

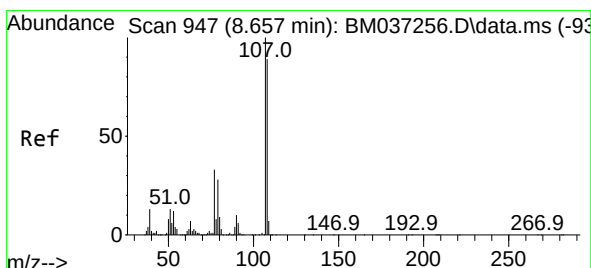
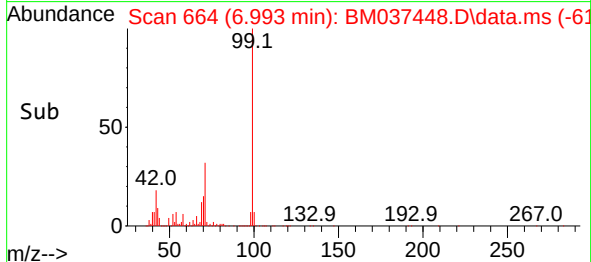
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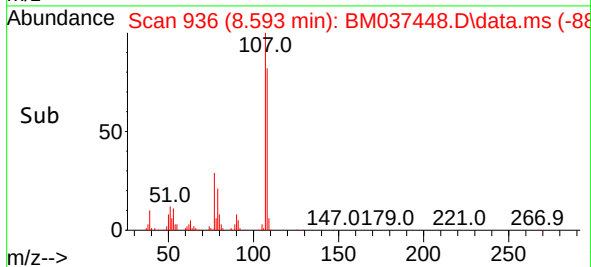
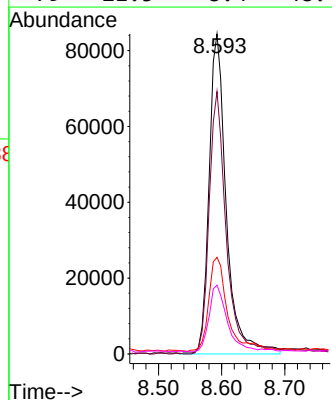
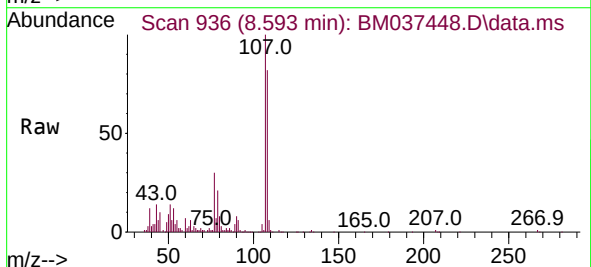
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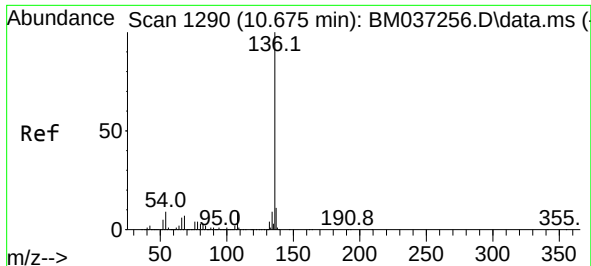
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#20
3+4-Methylphenols
Concen: 7.615 ng
RT: 8.593 min Scan# 936
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

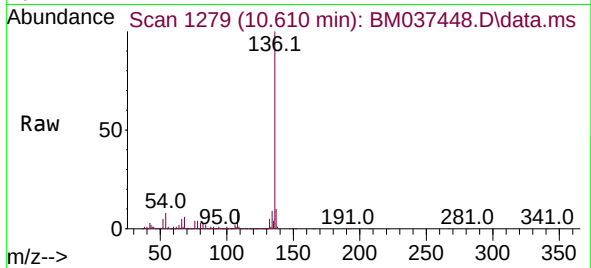
Tgt Ion:107 Resp: 160010
Ion Ratio Lower Upper
107 100
108 82.0 69.4 109.4
77 30.2 12.8 52.8
79 21.5 8.4 48.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1002
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

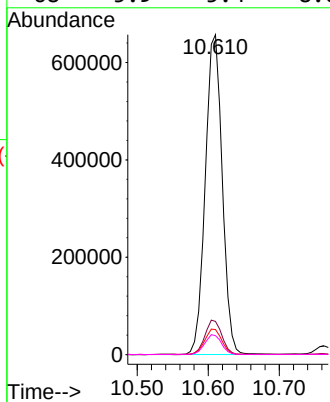
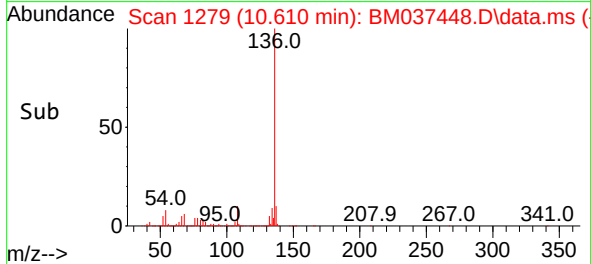
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL



Tgt Ion:136 Resp: 1085746
Ion Ratio Lower Upper
136 100
137 10.4 9.0 13.4
54 7.8 7.0 10.4
68 5.9 5.4 8.0

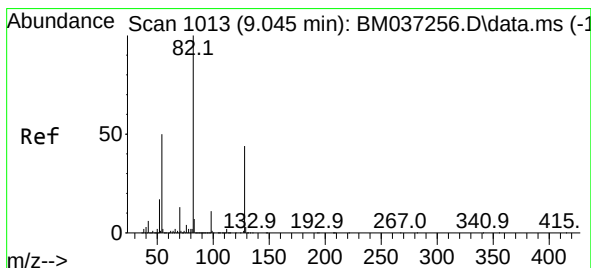
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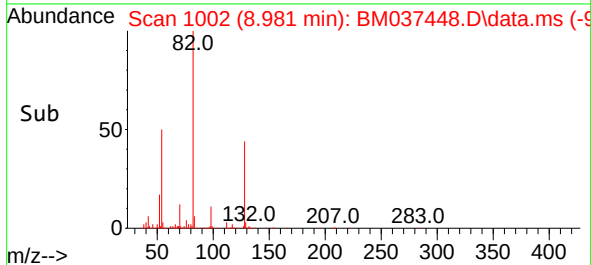
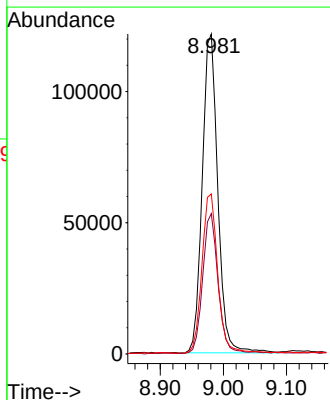
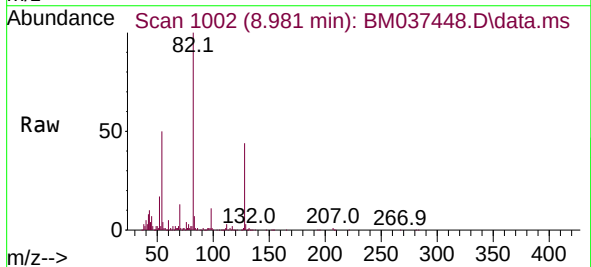
11/11/2022
Supervised By :Jagrut
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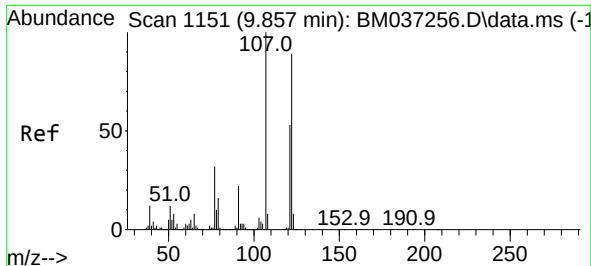
11/11/2022



#23
Nitrobenzene-d5
Concen: 9.676 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion: 82 Resp: 208235
Ion Ratio Lower Upper
82 100
128 43.8 35.2 52.8
54 50.0 40.4 60.6





#27

2,4-Dimethylphenol

Concen: 17.043 ng

RT: 9.792 min Scan# 1151

Delta R.T. -0.018 min

Lab File: BM037448.D

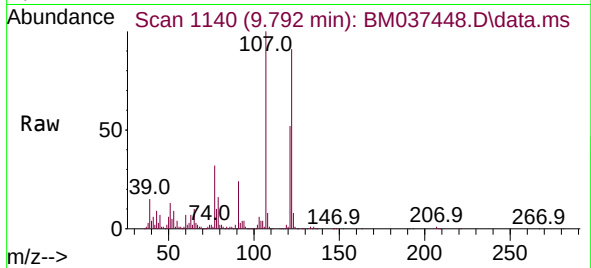
Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL



Tgt Ion:122 Resp: 247050

Ion Ratio Lower Upper

122 100

107 110.4 89.7 134.5

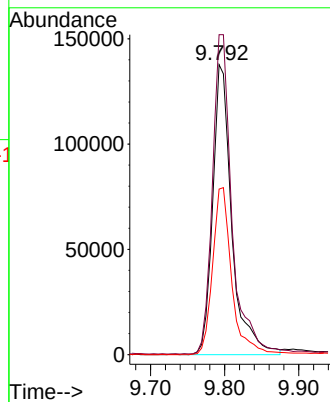
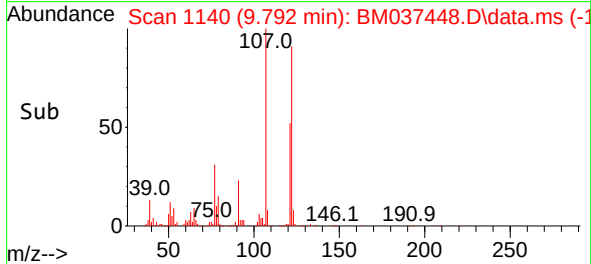
121 57.1 47.1 70.7

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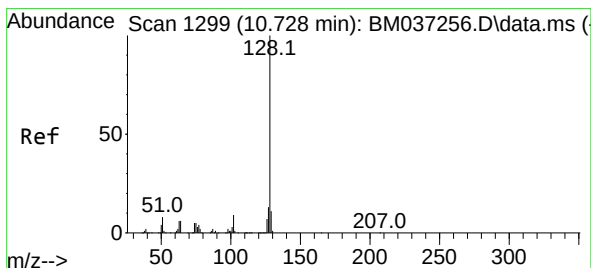
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#31

Naphthalene

Concen: 3.578 ng

RT: 10.657 min Scan# 1287

Delta R.T. -0.018 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

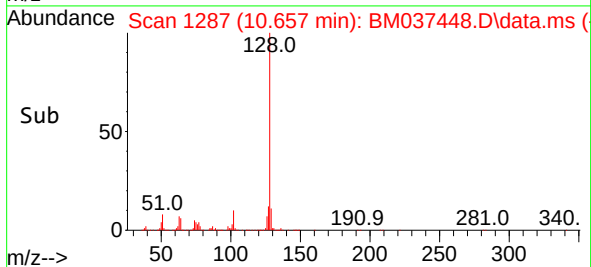
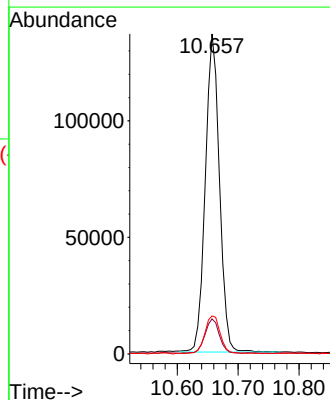
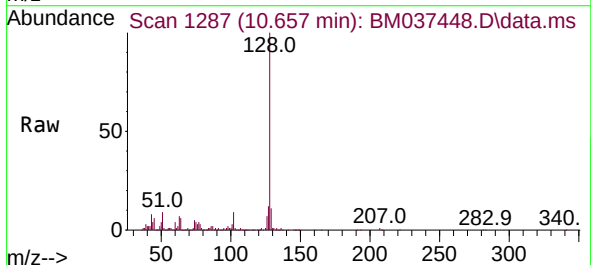
Tgt Ion:128 Resp: 220070

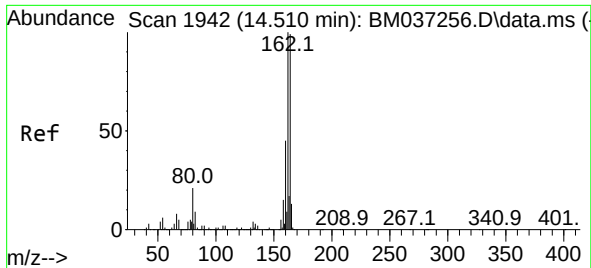
Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

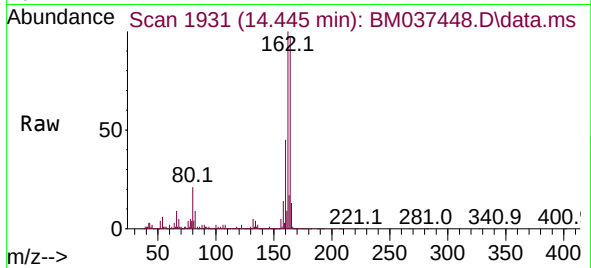
127 11.9 10.2 15.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

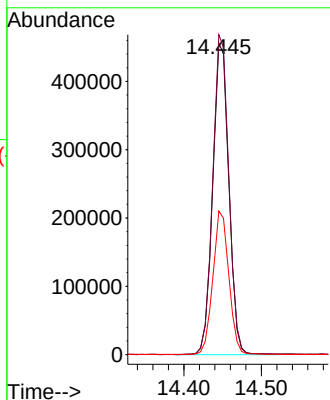
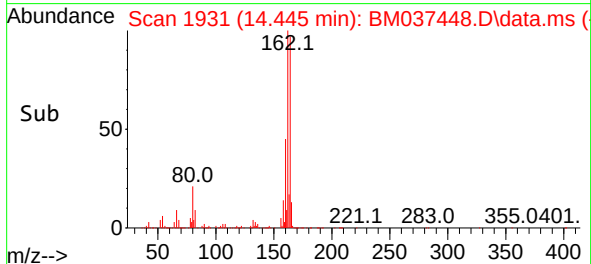
Instrument :
BNA_M
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250FERRYBLVD-TFS-01DL



Tgt Ion:164 Resp: 658494
Ion Ratio Lower Upper
164 100
162 102.9 80.6 120.8
160 46.2 36.2 54.4

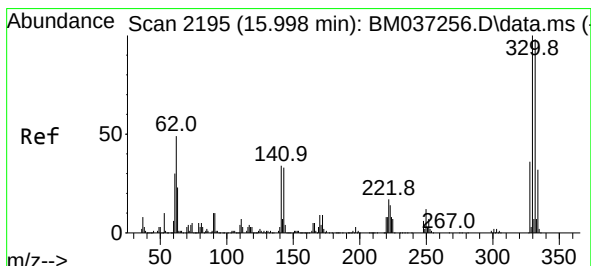
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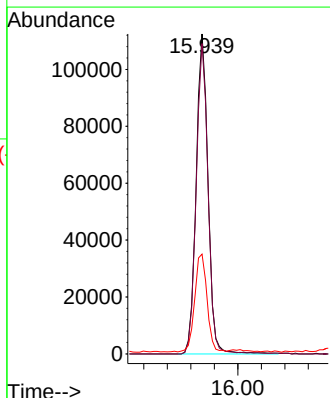
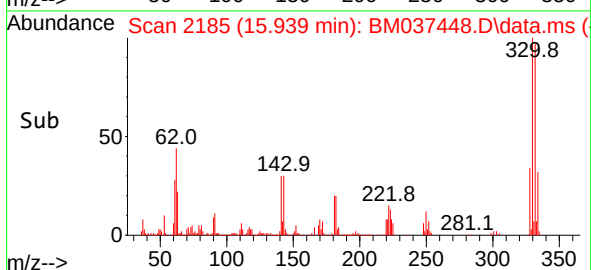
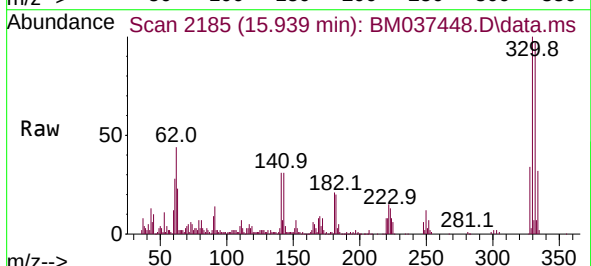
11/11/2022
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Upadhyay

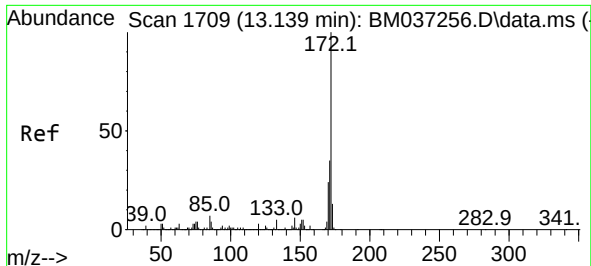
11/11/2022



#42
2,4,6-Tribromophenol
Concen: 20.332 ng
RT: 15.939 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

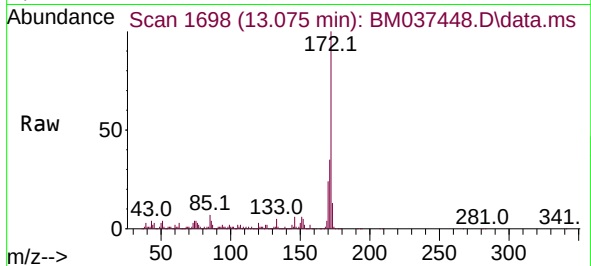
Tgt Ion:330 Resp: 157776
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 31.5 27.5 41.3





#45
2-Fluorobiphenyl
Concen: 10.144 ng
RT: 13.075 min Scan# 10
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

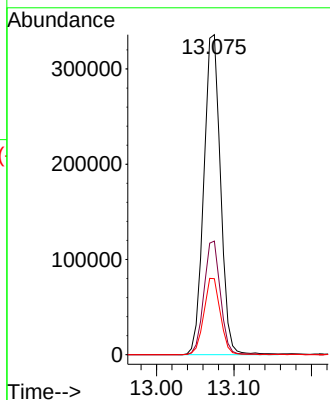
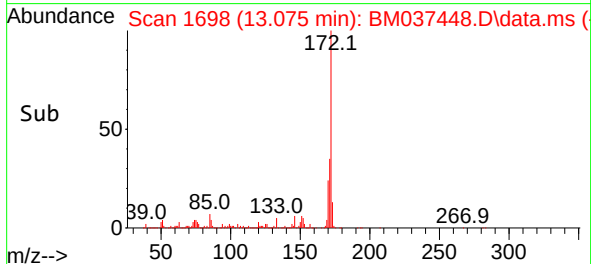
Instrument :
BNA_M
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250FERRYBLVD-TFS-01DL



Tgt Ion:172 Resp: 502736
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 23.7 19.0 28.4

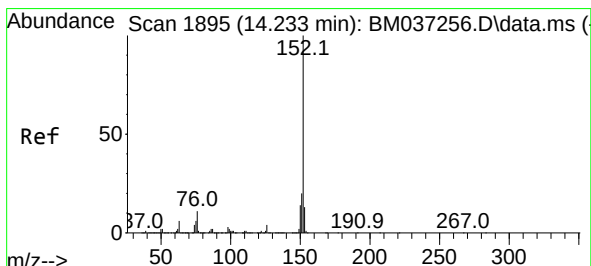
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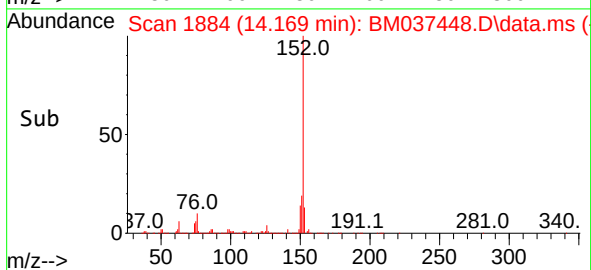
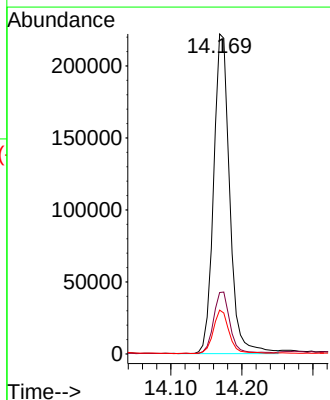
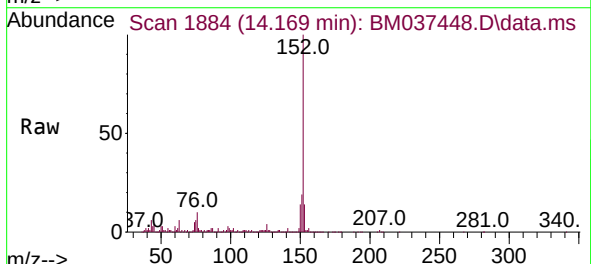
11/11/2022
Supervised By :Jagrut
Upadhyay

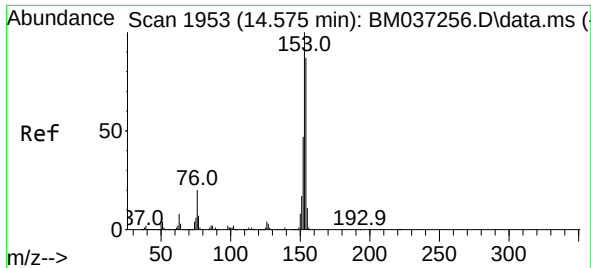
11/11/2022



#49
Acenaphthylene
Concen: 5.343 ng
RT: 14.169 min Scan# 1884
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

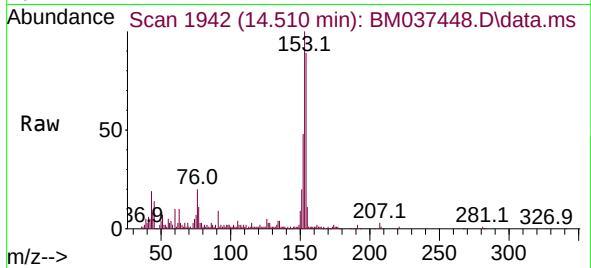
Tgt Ion:152 Resp: 350726
Ion Ratio Lower Upper
152 100
151 19.2 16.0 24.0
153 13.7 10.6 15.8





#52
Acenaphthene
Concen: 2.000 ng
RT: 14.510 min Scan# 1953
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

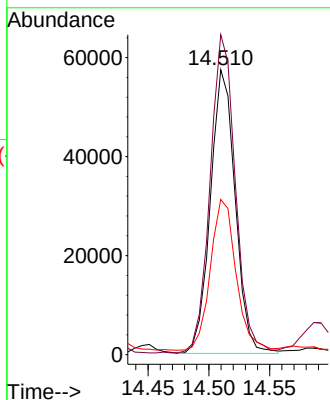
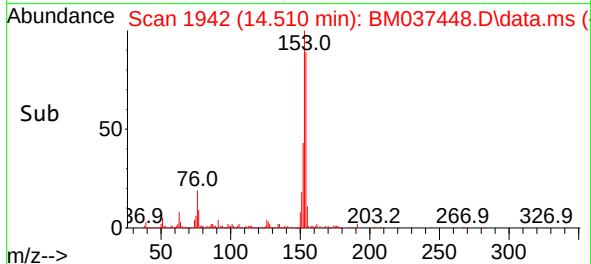
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL



Tgt Ion:154 Resp: 81183
Ion Ratio Lower Upper
154 100
153 112.3 91.5 137.3
152 54.4 43.0 64.6

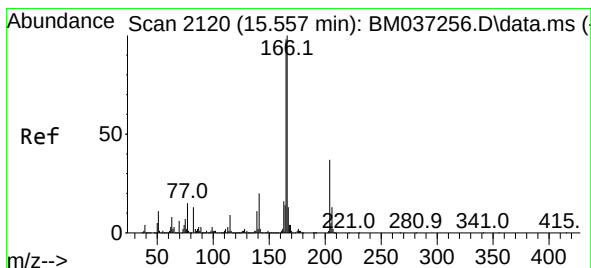
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Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



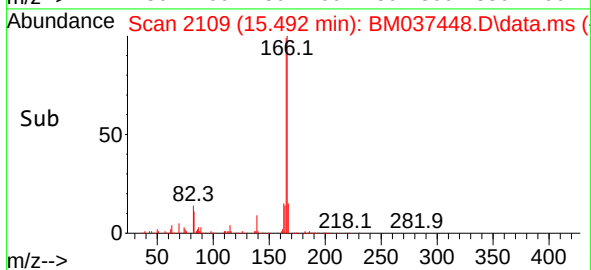
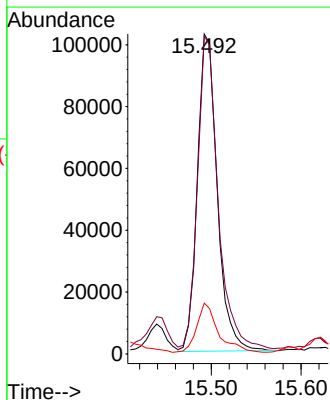
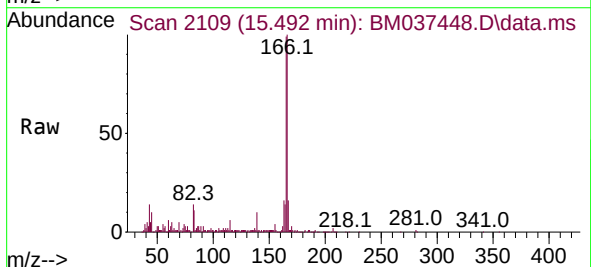
11/11/2022
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Upadhyay

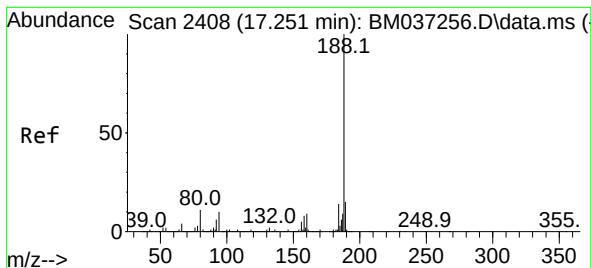
11/11/2022



#58
Fluorene
Concen: 3.028 ng
RT: 15.492 min Scan# 2109
Delta R.T. -0.018 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:166 Resp: 158007
Ion Ratio Lower Upper
166 100
165 99.4 78.2 117.4
167 15.9 10.6 15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.192 min Scan# 2408

Delta R.T. -0.012 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

Tgt Ion:188 Resp: 141095

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

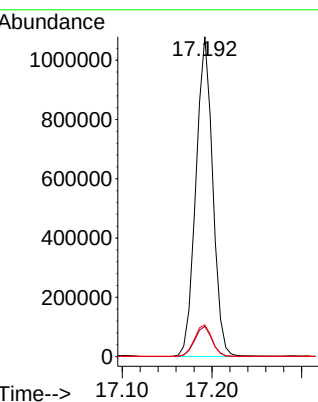
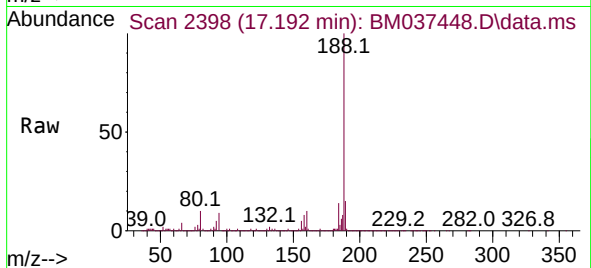
80 9.9 8.5 12.7

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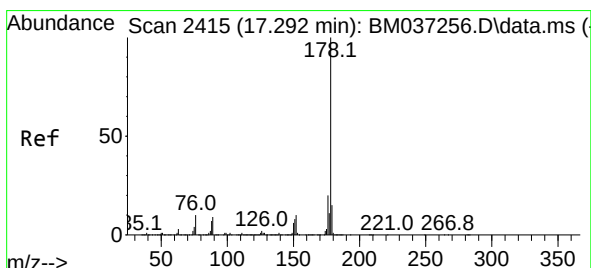
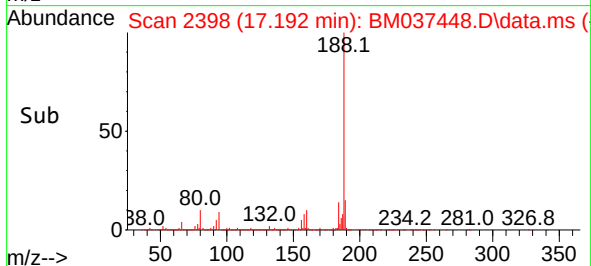
Reviewed By :Christian Giraldo 11/11/2022

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Upadhyay

11/11/2022



#71

Phenanthrene

Concen: 13.538 ng

RT: 17.233 min Scan# 2405

Delta R.T. -0.017 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

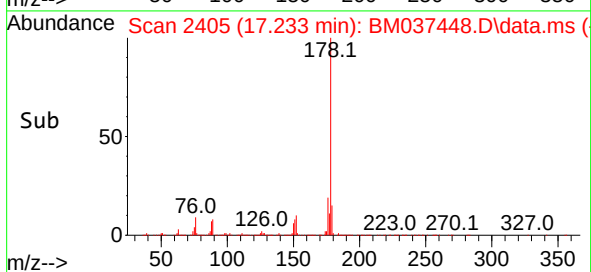
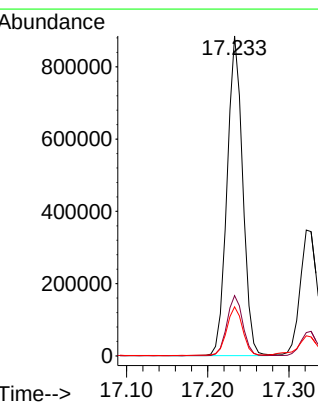
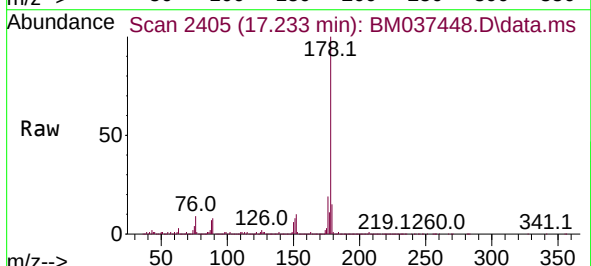
Tgt Ion:178 Resp: 1185082

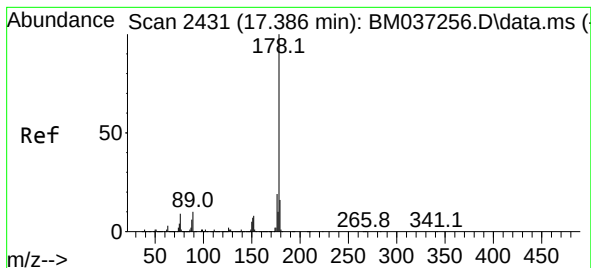
Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

179 15.3 12.4 18.6





#72

Anthracene

Concen: 6.002 ng

RT: 17.321 min Scan# 24

Delta R.T. -0.018 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

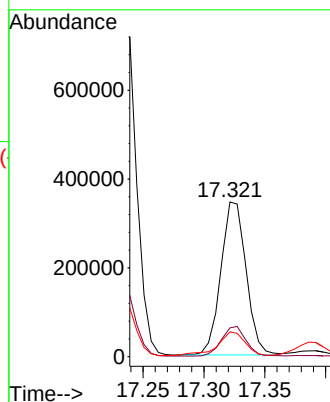
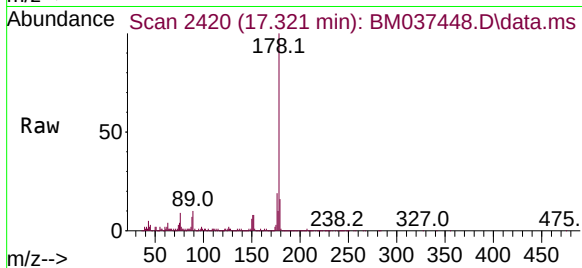
ClientSampleId :

250FERRYBLVD-TFS-01DL

Tgt Ion:178 Resp: 49735
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.0
 179 16.0 12.6 19.0

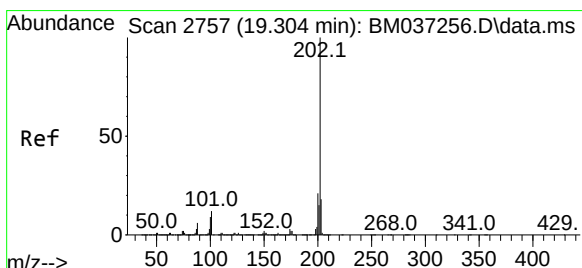
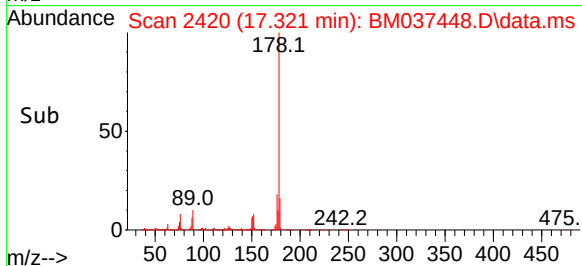
Manual Integrations
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 Supervised By :Jagrut Upadhyay 11/11/2022



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 Upadhyay

11/11/2022



#75

Fluoranthene

Concen: 44.890 ng

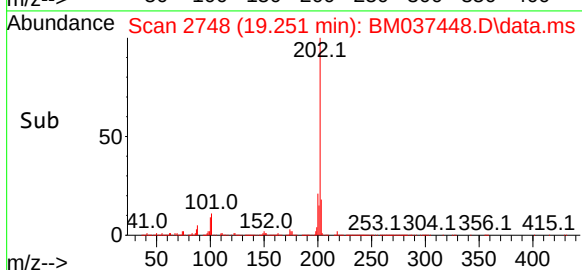
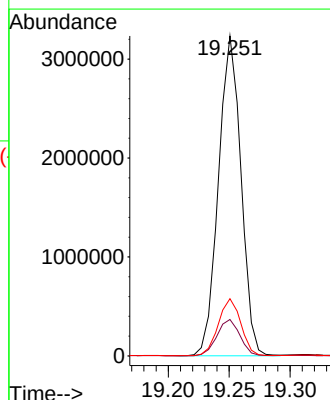
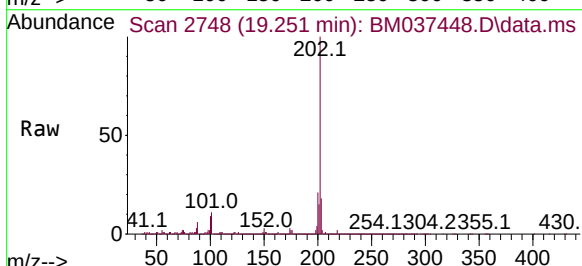
RT: 19.251 min Scan# 2748

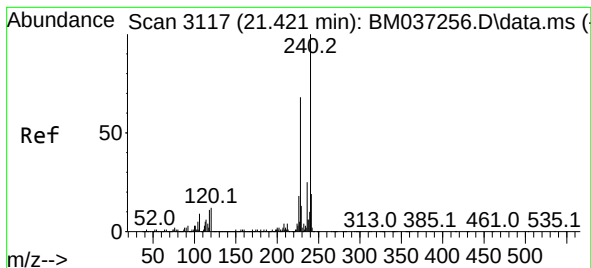
Delta R.T. -0.012 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Tgt Ion:202 Resp: 4153831
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 32.4
 203 17.9 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.374 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

Tgt Ion:240 Resp: 1480092

Ion Ratio Lower Upper

240 100

120 10.8 9.9 14.9

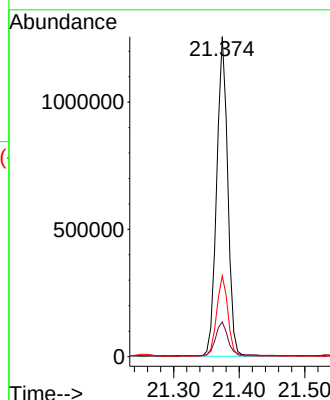
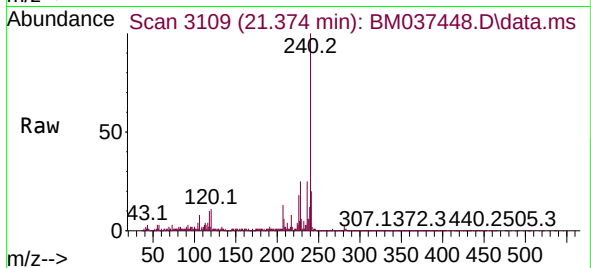
236 25.2 20.3 30.5

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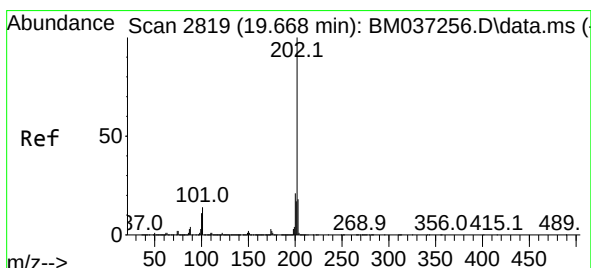
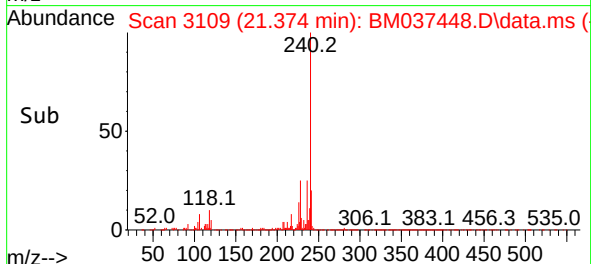
Reviewed By :Christian Giraldo 11/11/2022

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#78

Pyrene

Concen: 41.794 ng

RT: 19.615 min Scan# 2810

Delta R.T. -0.006 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

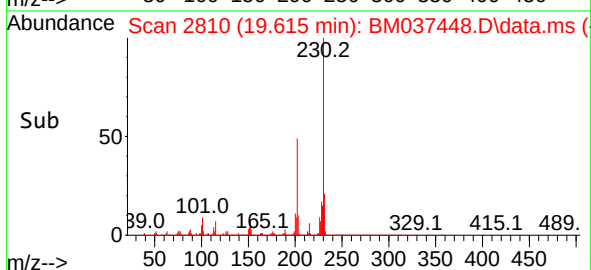
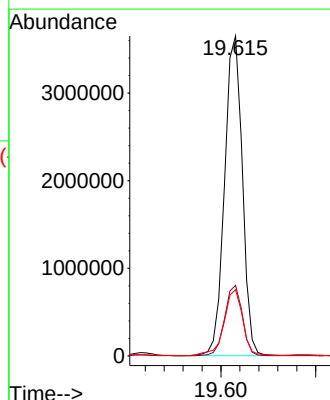
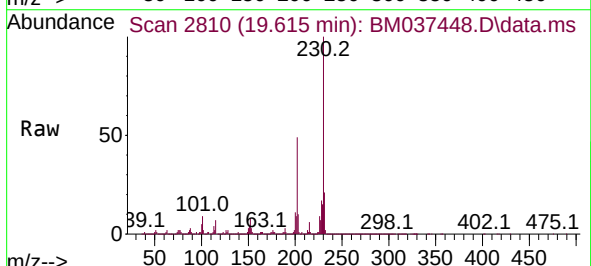
Tgt Ion:202 Resp: 4756718

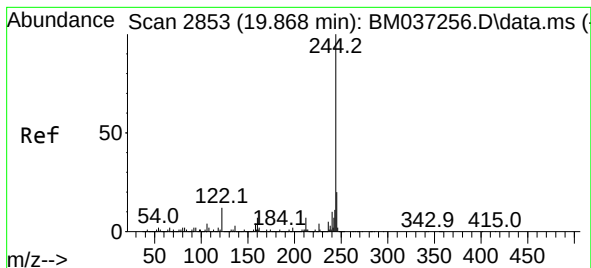
Ion Ratio Lower Upper

202 100

200 22.0 17.0 25.6

203 20.7 14.1 21.1





#79

Terphenyl-d14

Concen: 9.761 ng

RT: 19.815 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM037448.D

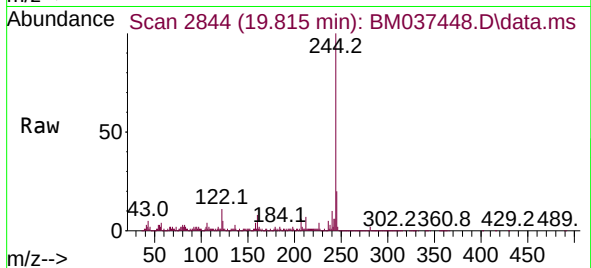
Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

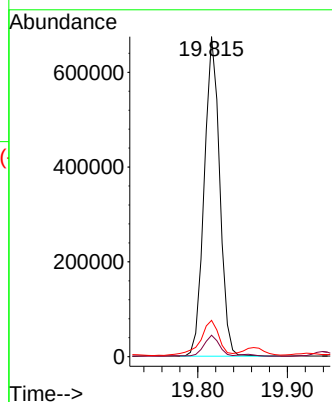
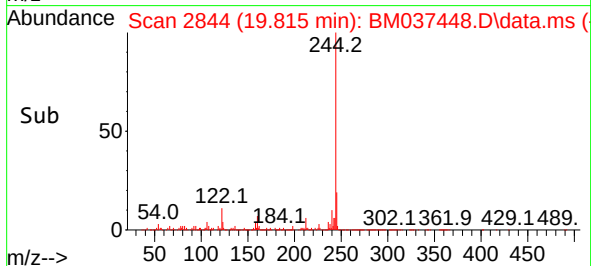


Tgt Ion:244 Resp: 805630

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	11.3	9.4	14.2

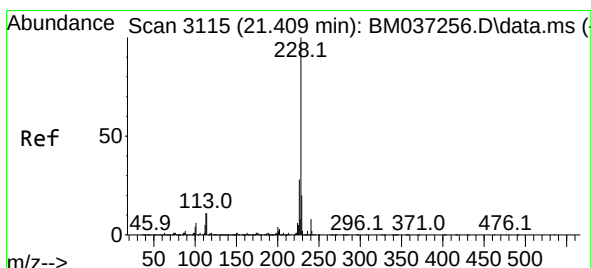
Manual Integrations
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Upadhyay

11/11/2022



#81

Benzo(a)anthracene

Concen: 18.353 ng

RT: 21.356 min Scan# 3106

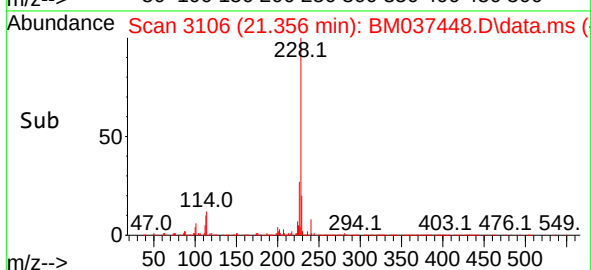
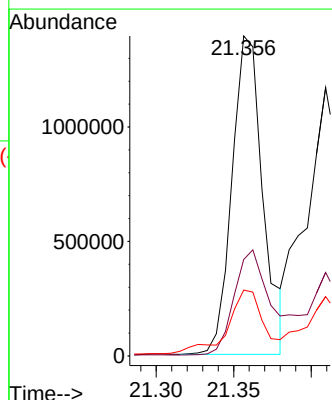
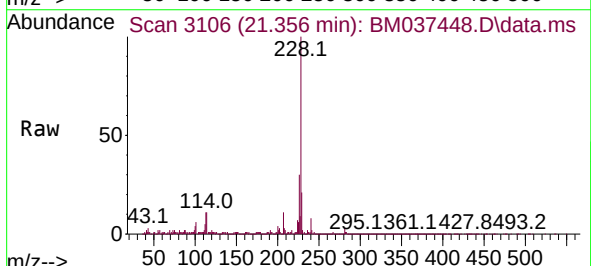
Delta R.T. -0.006 min

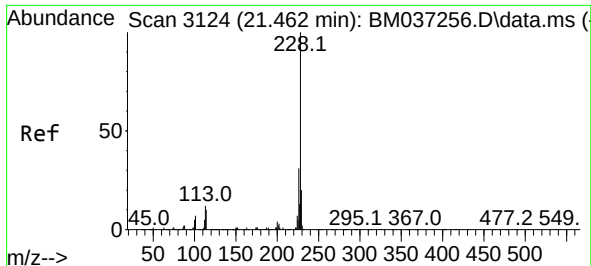
Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Tgt Ion:228 Resp: 1933860

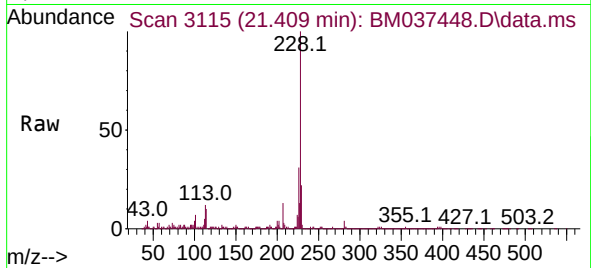
Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.3	33.5
229	20.6	16.2	24.2





#83
Chrysene
Concen: 17.672 ng
RT: 21.409 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

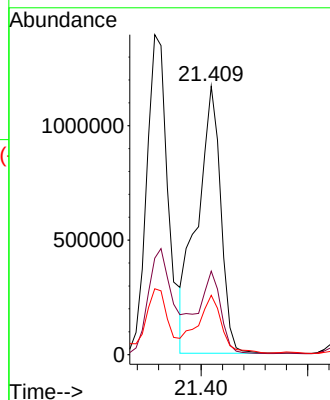
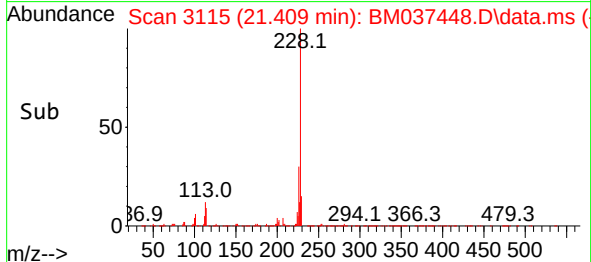
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL



Tgt Ion:228 Resp: 1794048
Ion Ratio Lower Upper
228 100
226 31.1 24.4 36.6
229 22.1 16.0 24.0

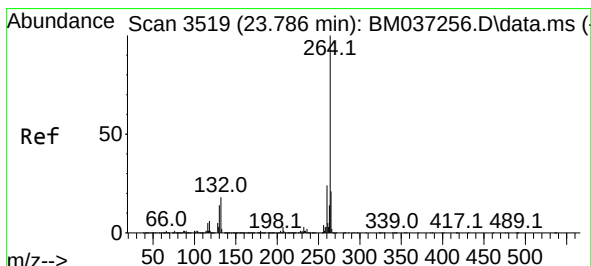
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Supervised By :Jagrut Upadhyay 11/11/2022



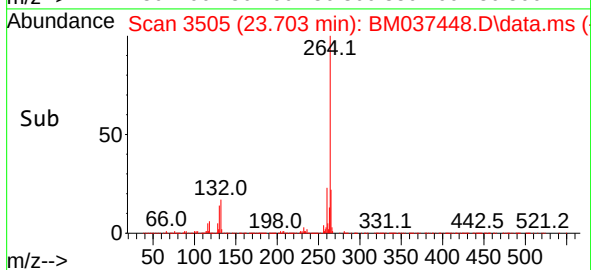
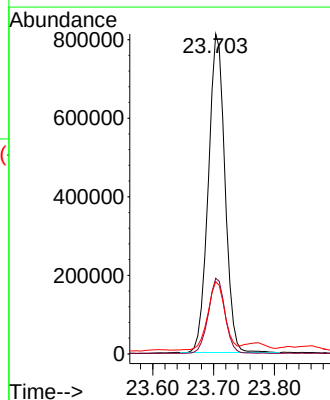
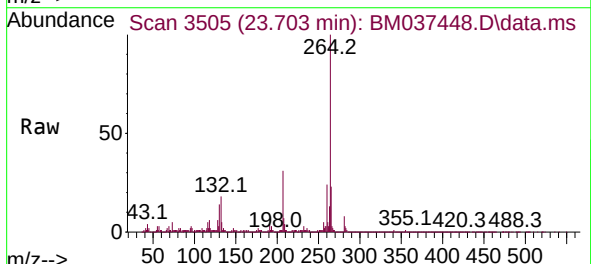
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Upadhyay

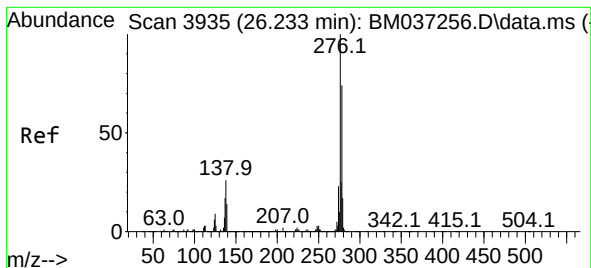
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.703 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:264 Resp: 1538127
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.6 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.516 ng

RT: 26.109 min Scan# 3935

Delta R.T. -0.023 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-01DL

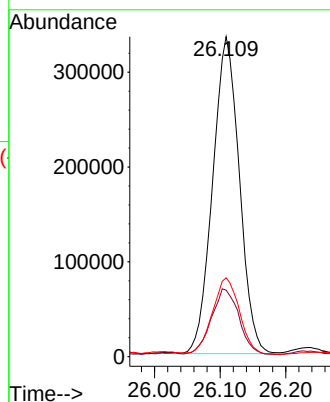
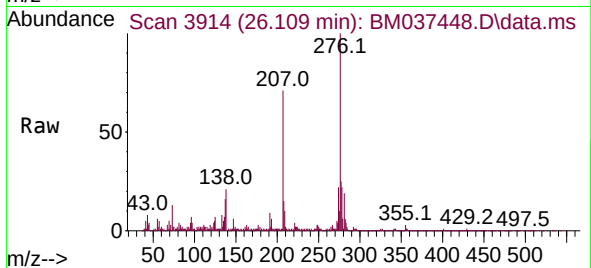
Tgt Ion:	276	Resp:	946528
Ion Ratio	Lower	Upper	
276	100		
138	21.3	21.5	32.3
277	24.8	20.1	30.1

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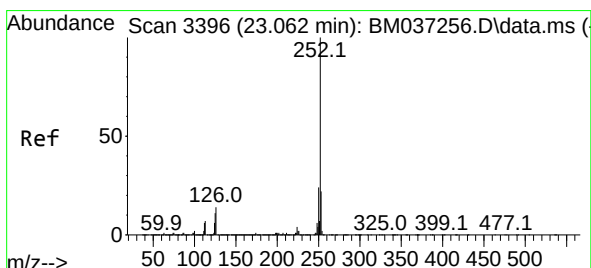
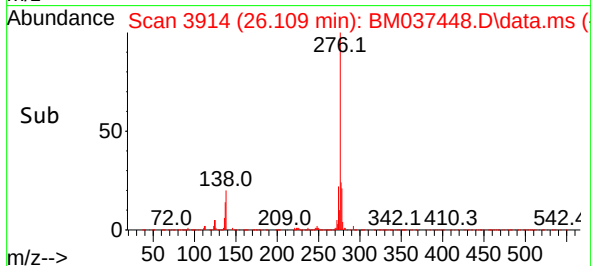
Reviewed By :Christian Giraldo 11/11/2022

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#88

Benzo(b)fluoranthene

Concen: 18.486 ng m

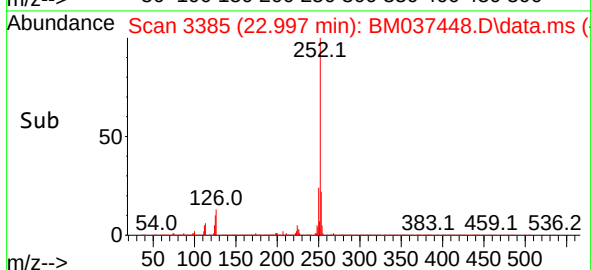
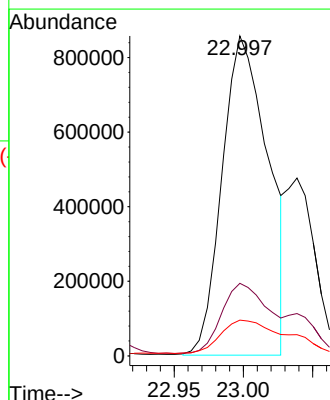
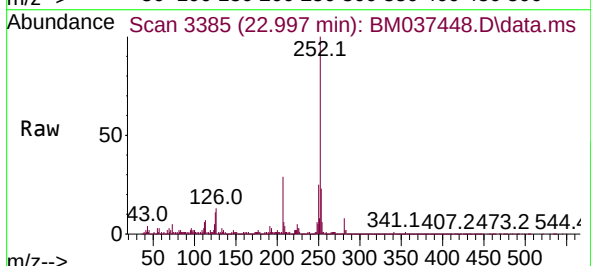
RT: 22.997 min Scan# 3385

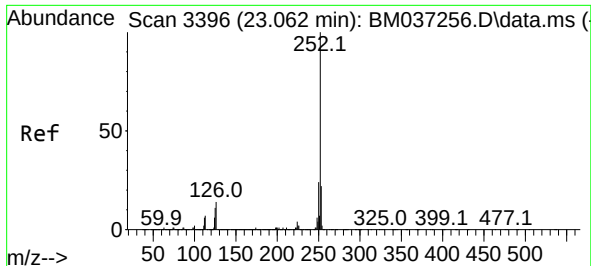
Delta R.T. -0.006 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Tgt Ion:	252	Resp:	1974057
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.8	26.6
125	11.2	9.1	13.7





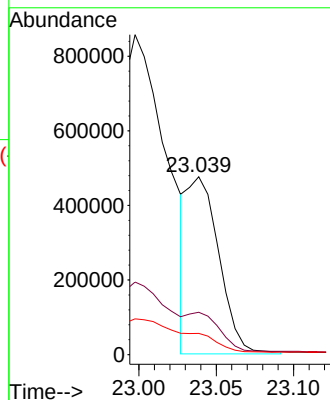
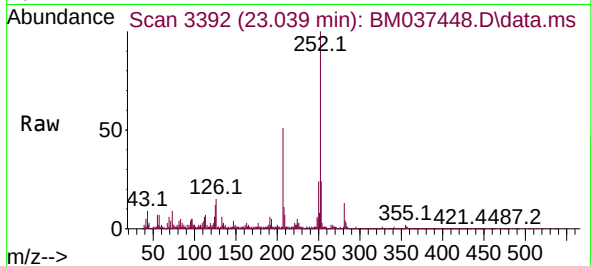
#89
Benzo(k)fluoranthene
Concen: 6.263 ng m
RT: 23.039 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-01DL

Tgt Ion:252 Resp: 682164
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 12.0 9.1 13.7

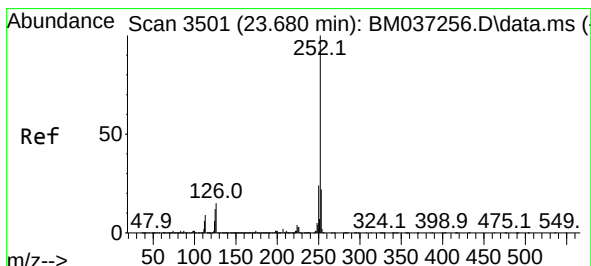
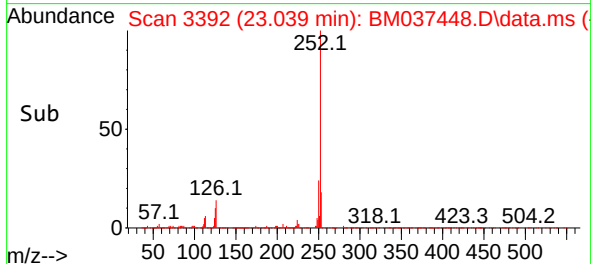
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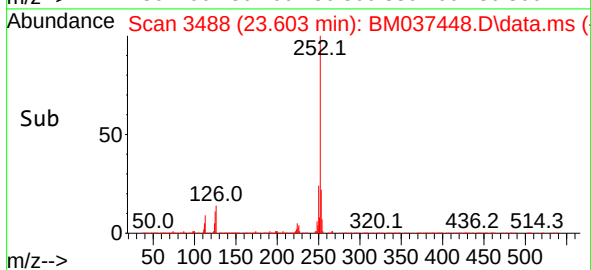
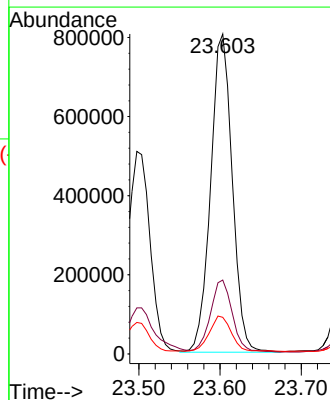
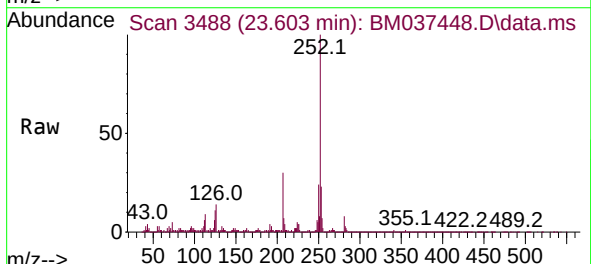
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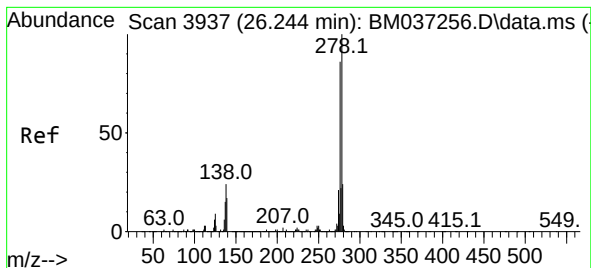
11/11/2022



#90
Benzo(a)pyrene
Concen: 17.136 ng
RT: 23.603 min Scan# 3488
Delta R.T. -0.006 min
Lab File: BM037448.D
Acq: 10 Nov 2022 13:07

Tgt Ion:252 Resp: 1490976
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 11.4 9.9 14.9





#91

Dibenzo(a,h)anthracene

Concen: 2.439 ng m

RT: 26.121 min Scan# 39

Delta R.T. -0.023 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Instrument :

BNA_M

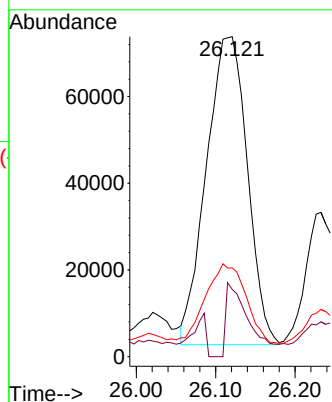
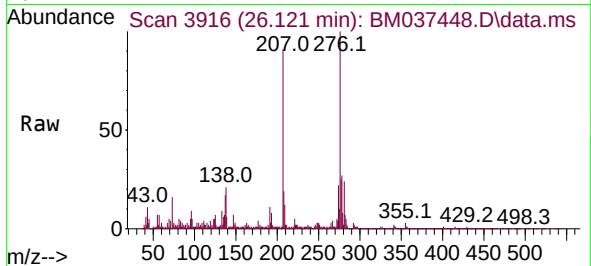
ClientSampleId :

250FERRYBLVD-TFS-01DL

Tgt Ion:	278	Resp:	255118
Ion Ratio	Lower	Upper	
278	100		
139	21.0	13.8	20.8
279	27.7	19.0	28.6

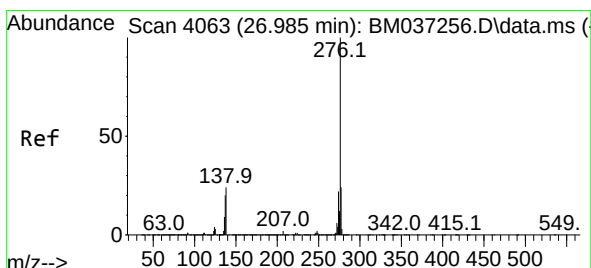
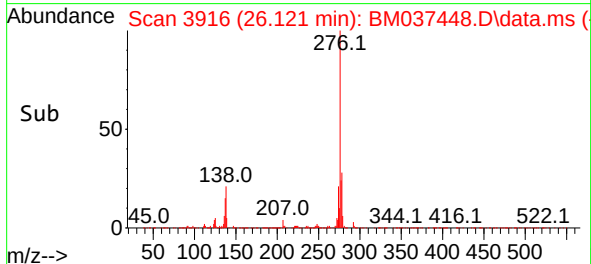
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/11/2022
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#92

Benzo(g,h,i)perylene

Concen: 9.092 ng

RT: 26.856 min Scan# 4041

Delta R.T. -0.023 min

Lab File: BM037448.D

Acq: 10 Nov 2022 13:07

Tgt Ion:	276	Resp:	925462
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.4	29.2
138	21.3	18.9	28.3

