

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
 Data File : BM037449.D
 Acq On : 10 Nov 2022 13:43
 Operator : CG/JU
 Sample : N5436-02DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 250FERRYBLVD-TFS-02DL

Quant Time: Nov 10 15:55:54 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	264710	20.000	ng	-0.01
21) Naphthalene-d8	10.610	136	1016418	20.000	ng	-0.02
39) Acenaphthene-d10	14.451	164	580802	20.000	ng	-0.01
64) Phenanthrene-d10	17.192	188	1167907	20.000	ng	-0.01
76) Chrysene-d12	21.374	240	1202804	20.000	ng	0.00
86) Perylene-d12	23.703	264	1307844	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	290022	18.928	ng	0.00
7) Phenol-d6	6.993	99	351489	16.902	ng	-0.01
23) Nitrobenzene-d5	8.981	82	215750	10.709	ng	-0.02
42) 2,4,6-Tribromophenol	15.939	330	144614	21.128	ng	-0.02
45) 2-Fluorobiphenyl	13.074	172	500780	11.456	ng	-0.02
79) Terphenyl-d14	19.815	244	748515	11.160	ng	-0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	8.598	107	95148	4.549	ng	95
27) 2,4-Dimethylphenol	9.798	122	138213	10.185	ng	99
31) Naphthalene	10.657	128	213128	3.701	ng	99
49) Acenaphthylene	14.174	152	167216	2.888	ng	99
52) Acenaphthene	14.510	154	82663	2.309	ng	98
58) Fluorene	15.498	166	115471	2.509	ng	99
71) Phenanthrene	17.233	178	940538	12.980	ng	99
72) Anthracene	17.327	178	244864	3.570	ng	100
75) Fluoranthene	19.251	202	1614565	21.080	ng	99
78) Pyrene	19.615	202	2028631	21.933	ng	# 95
81) Benzo(a)anthracene	21.356	228	674403	7.876	ng	97
83) Chrysene	21.409	228	803392	9.738	ng	97
87) Indeno(1,2,3-cd)pyrene	26.109	276	421062	3.932	ng	# 94
88) Benzo(b)fluoranthene	22.997	252	811142	8.934	ng	98
89) Benzo(k)fluoranthene	23.039	252	256056m	2.765	ng	
90) Benzo(a)pyrene	23.597	252	617785	8.351	ng	97
92) Benzo(g,h,i)perylene	26.850	276	438950	5.072	ng	98

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

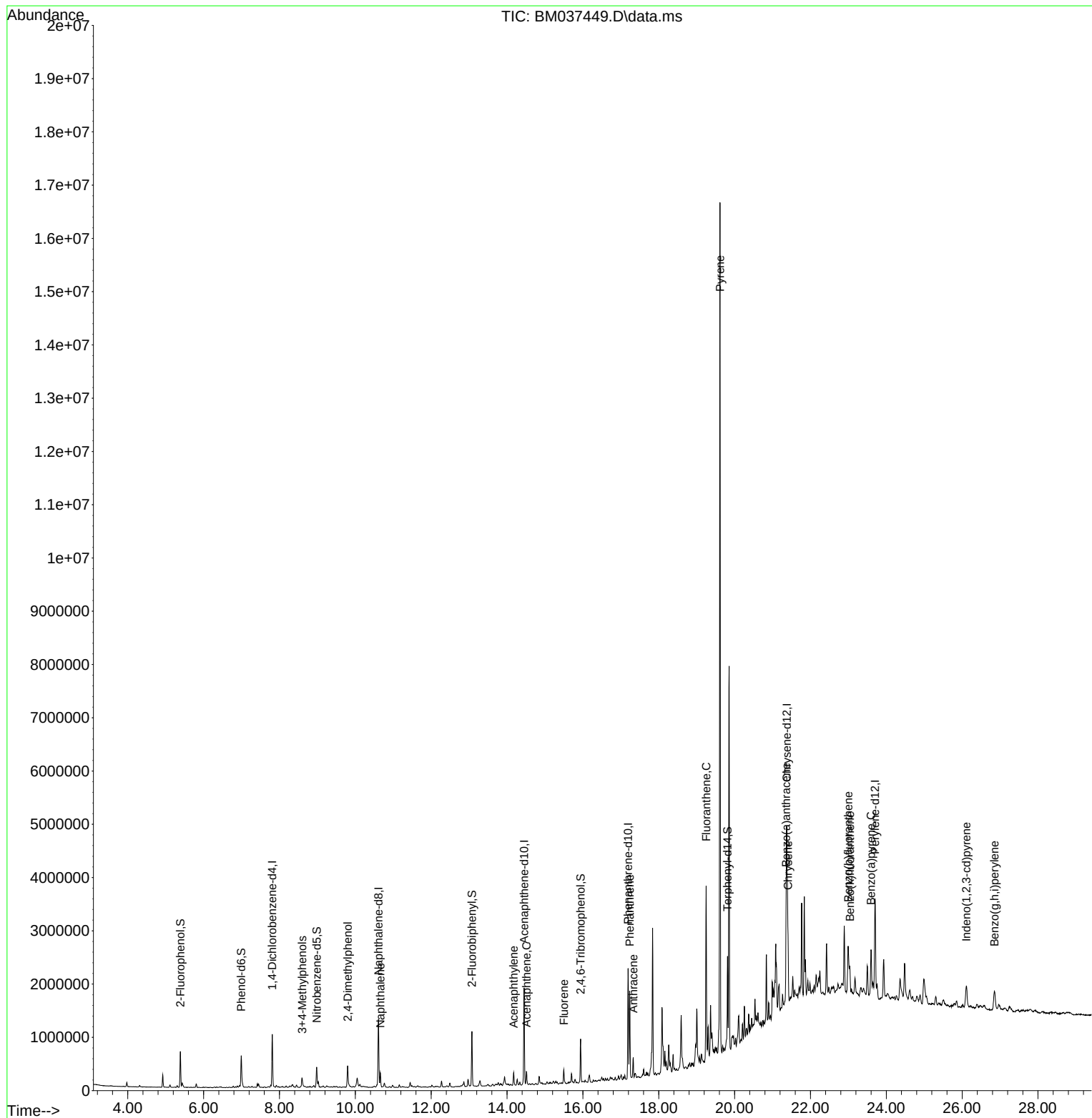
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111022\
Data File : BM037449.D
Acq On : 10 Nov 2022 13:43
Operator : CG/JU
Sample : N5436-02DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

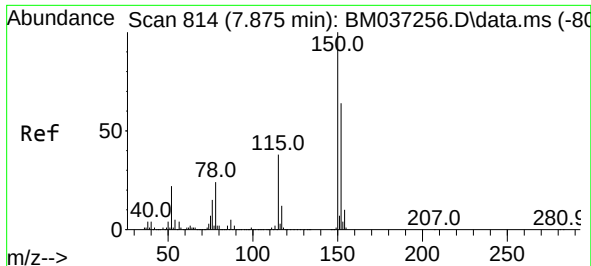
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

Manual Integrations
APPROVED

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

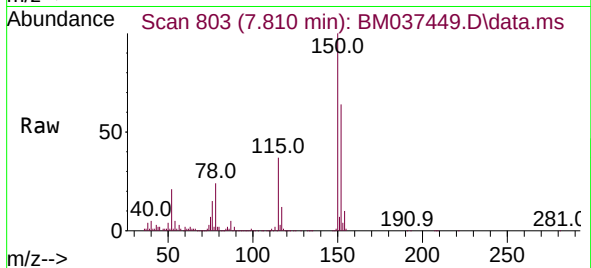
Quant Time: Nov 10 15:55:54 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 09 02:08:14 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 80
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

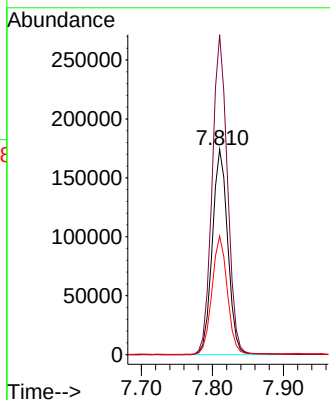
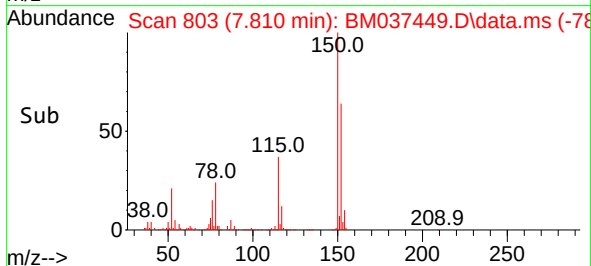
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL



Tgt Ion:152 Resp: 264710
Ion Ratio Lower Upper
152 100
150 155.9 124.8 187.2
115 57.7 47.0 70.4

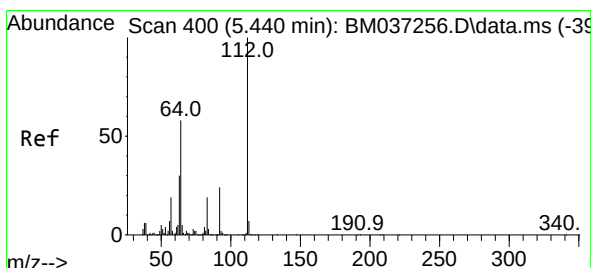
Manual Integrations
APPROVED

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

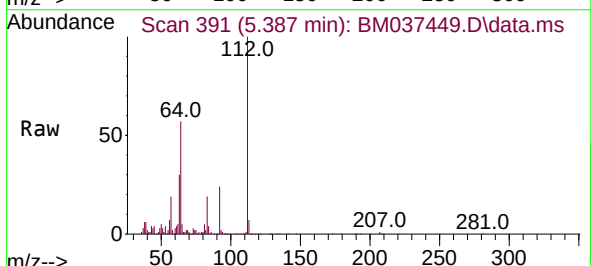


11/11/2022
Supervised By :Jagrut
Upadhyay

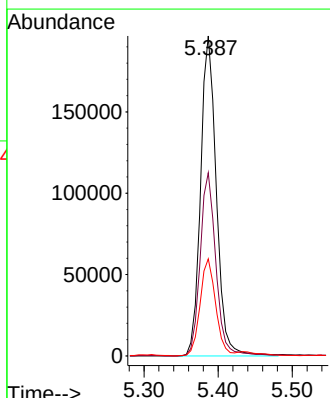
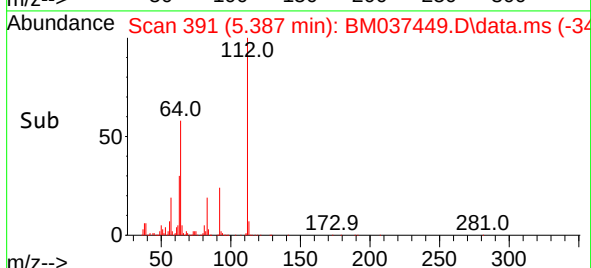
11/11/2022

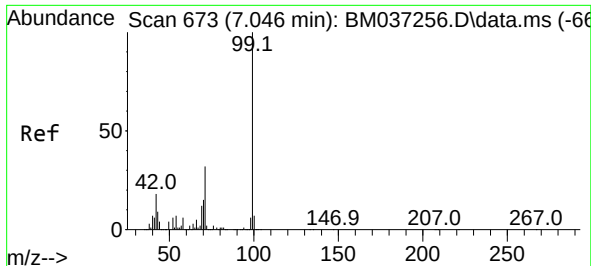


#5
2-Fluorophenol
Concen: 18.928 ng
RT: 5.387 min Scan# 391
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43



Tgt Ion:112 Resp: 290022
Ion Ratio Lower Upper
112 100
64 57.2 46.8 70.2
63 30.3 24.4 36.6





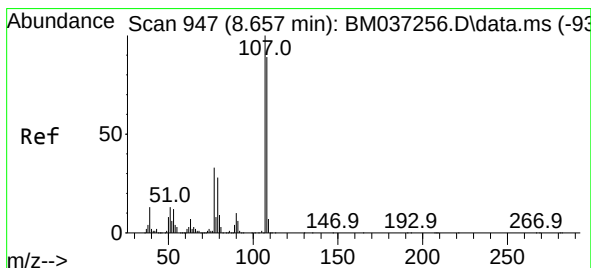
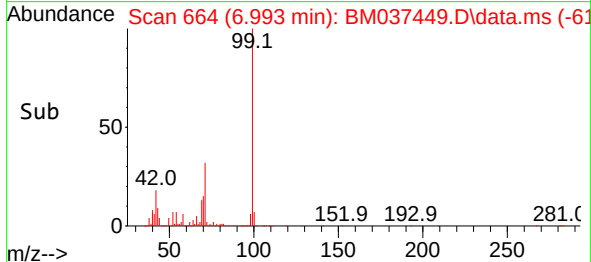
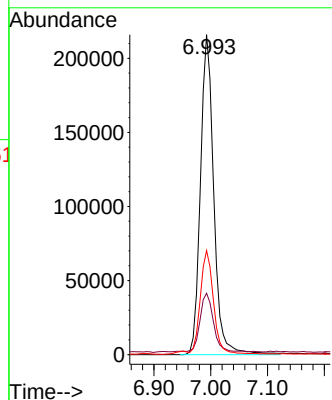
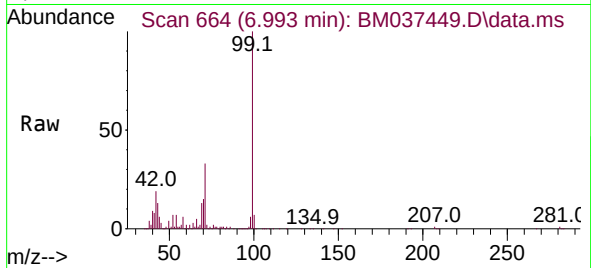
#7
Phenol-d6
Concen: 16.902 ng
RT: 6.993 min Scan# 60
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

Tgt Ion: 99 Resp: 351489
Ion Ratio Lower Upper
99 100
42 19.2 14.8 22.2
71 32.5 25.6 38.4

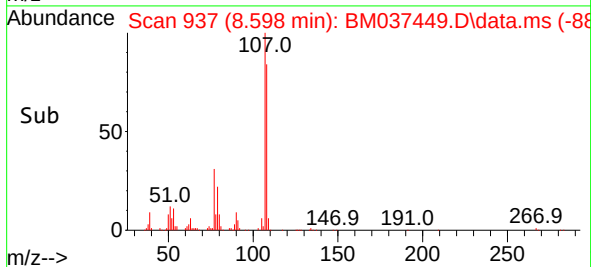
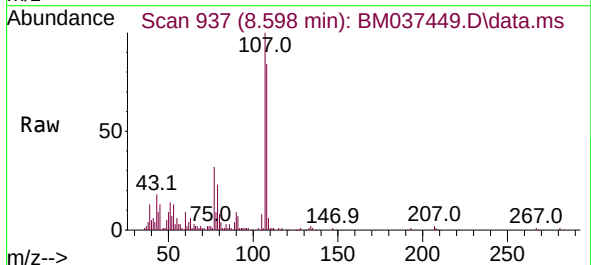
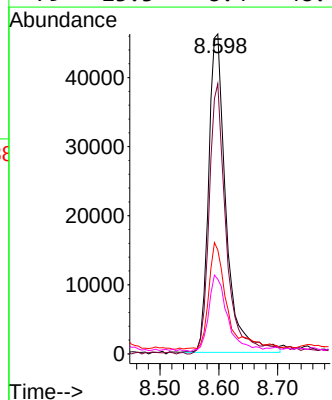
Manual Integrations
APPROVED

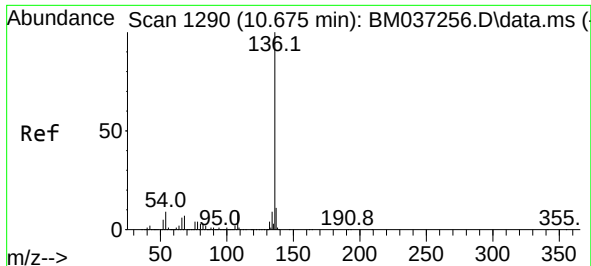
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#20
3+4-Methylphenols
Concen: 4.549 ng
RT: 8.598 min Scan# 937
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

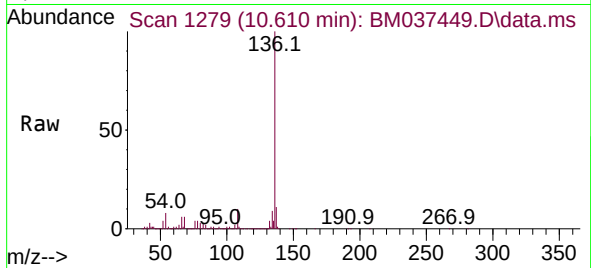
Tgt Ion:107 Resp: 95148
Ion Ratio Lower Upper
107 100
108 84.4 69.4 109.4
77 32.5 12.8 52.8
79 23.3 8.4 48.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.610 min Scan# 1002
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

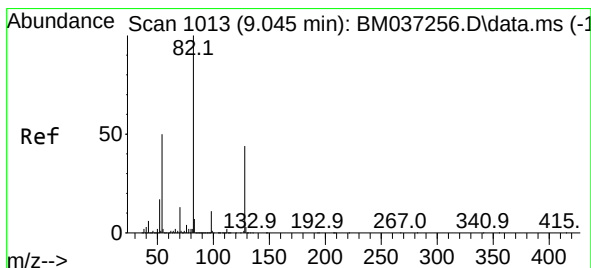
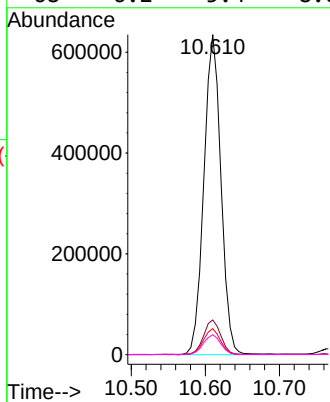
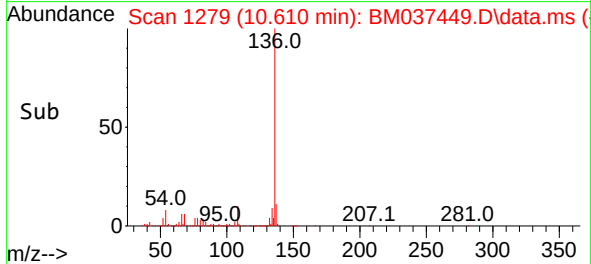
Instrument : BNA_M
ClientSampleId : 250FERRYBLVD-TFS-02DL



Tgt Ion: 136 Resp: 1016418
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 8.1 7.0 10.4
68 6.2 5.4 8.0

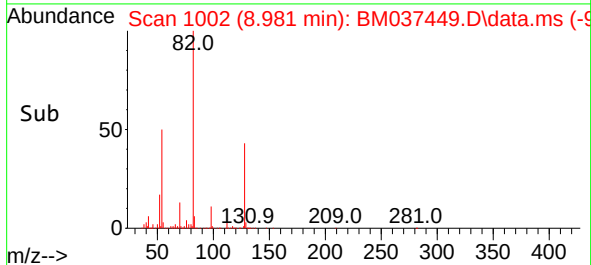
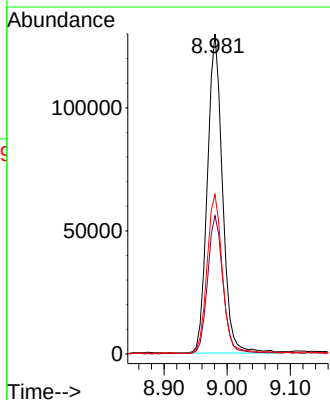
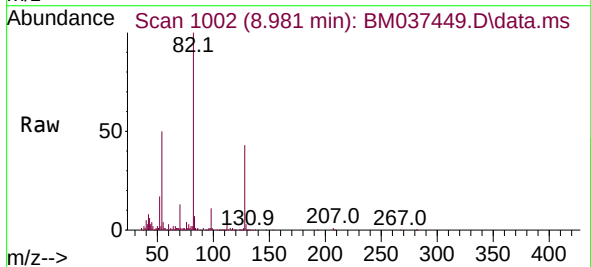
Manual Integrations
APPROVED

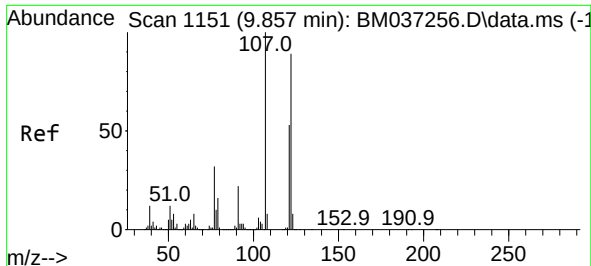
Reviewed By : Christian Giraldo 11/11/2022
Supervised By : Jagrut Upadhyay 11/11/2022



#23
Nitrobenzene-d5
Concen: 10.709 ng
RT: 8.981 min Scan# 1002
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion: 82 Resp: 215750
Ion Ratio Lower Upper
82 100
128 43.2 35.2 52.8
54 49.8 40.4 60.6





#27

2,4-Dimethylphenol

Concen: 10.185 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.012 min

Lab File: BM037449.D

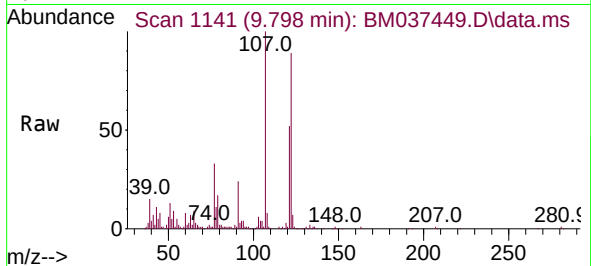
Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL



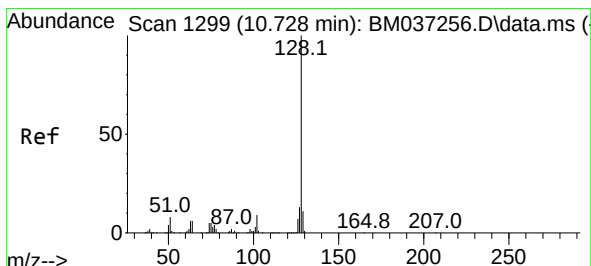
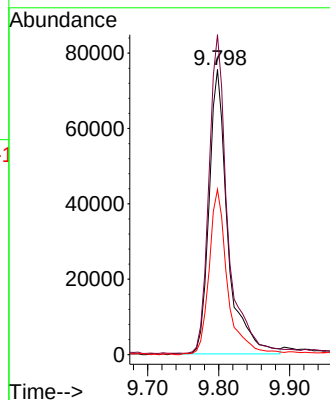
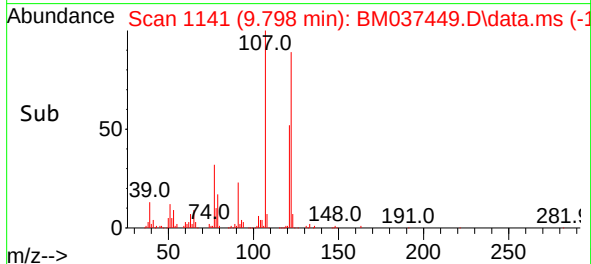
Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.3	89.7	134.5
121	57.9	47.1	70.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#31

Naphthalene

Concen: 3.701 ng

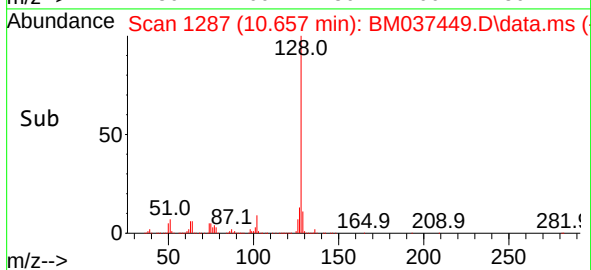
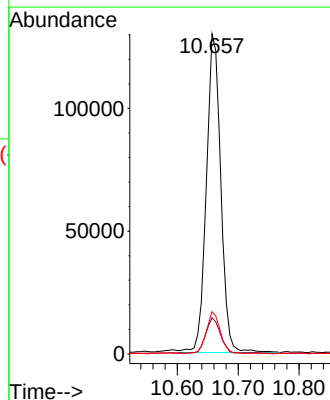
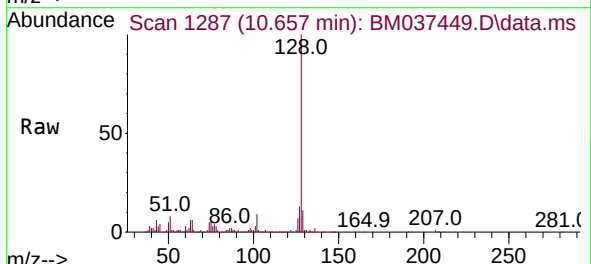
RT: 10.657 min Scan# 1287

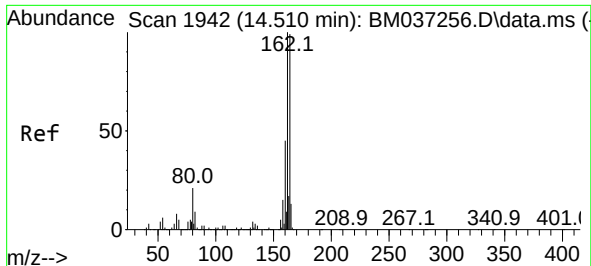
Delta R.T. -0.018 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

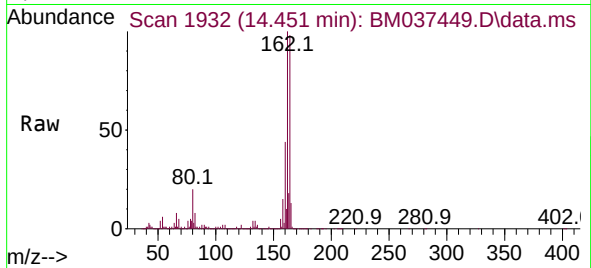
Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.7	13.1
127	13.2	10.2	15.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

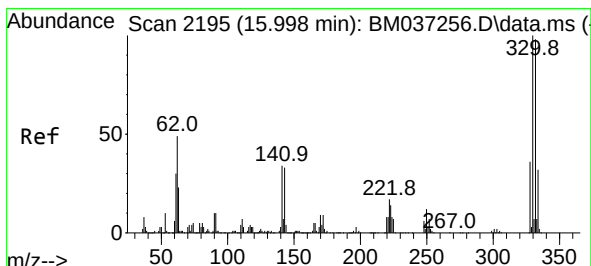
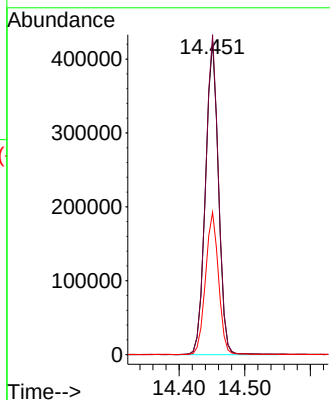
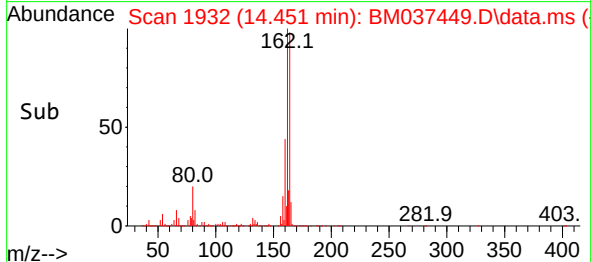
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL



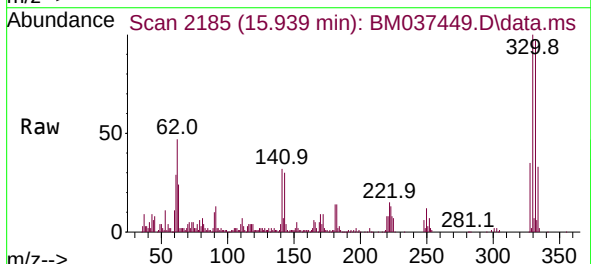
Tgt Ion:164 Resp: 580802
Ion Ratio Lower Upper
164 100
162 102.4 80.6 120.8
160 45.5 36.2 54.4

Manual Integrations
APPROVED

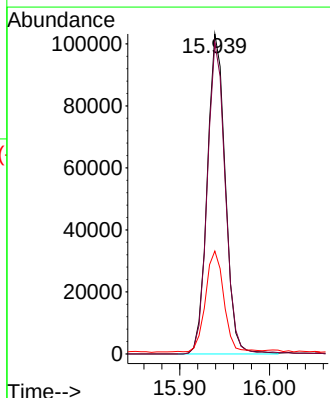
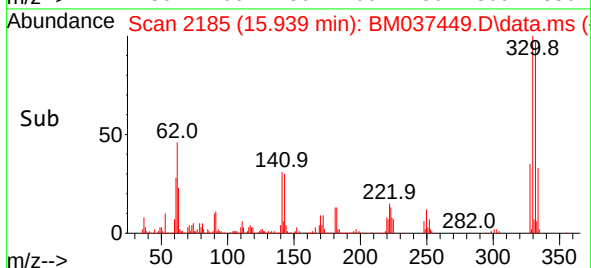
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

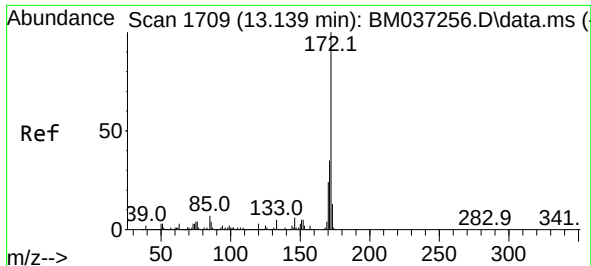


#42
2,4,6-Tribromophenol
Concen: 21.128 ng
RT: 15.939 min Scan# 2185
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43



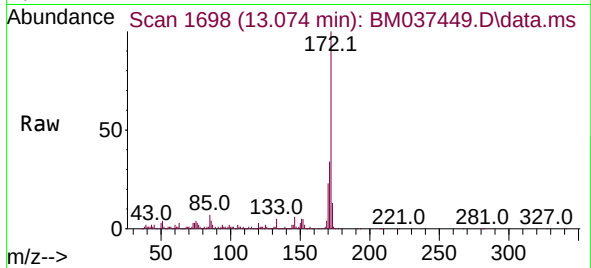
Tgt Ion:330 Resp: 144614
Ion Ratio Lower Upper
330 100
332 97.9 78.0 117.0
141 32.9 27.5 41.3





#45
2-Fluorobiphenyl
Concen: 11.456 ng
RT: 13.074 min Scan# 10
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

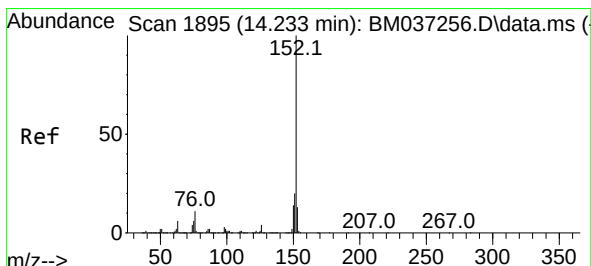
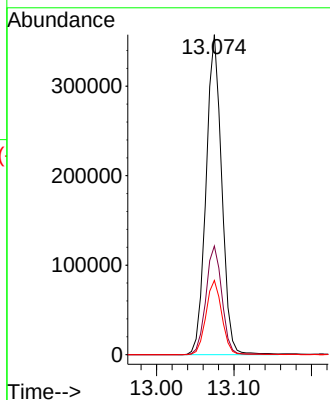
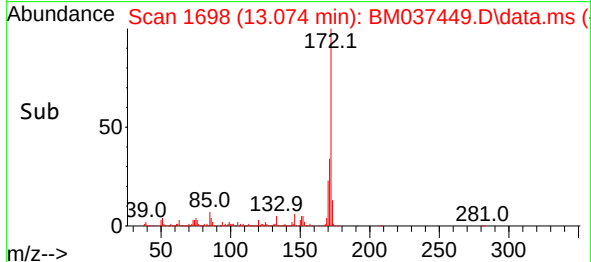
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL



Tgt Ion:172 Resp: 500780
Ion Ratio Lower Upper
172 100
171 33.9 28.1 42.1
170 23.2 19.0 28.4

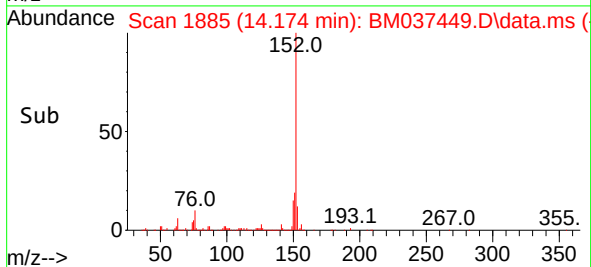
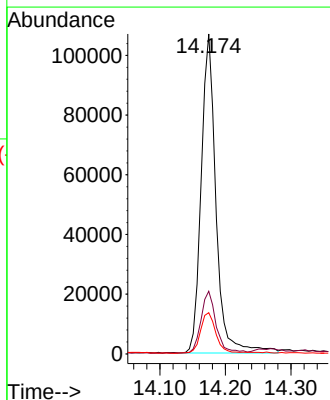
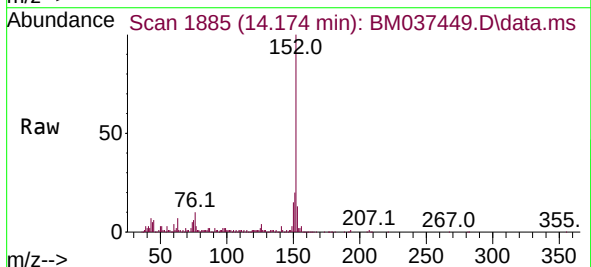
Manual Integrations
APPROVED

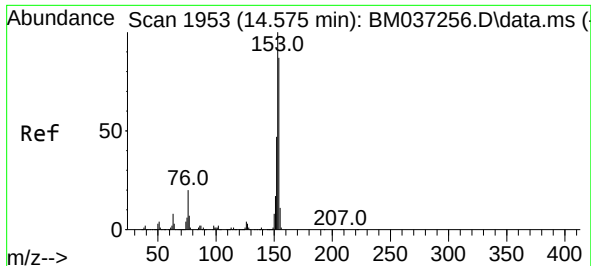
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#49
Acenaphthylene
Concen: 2.888 ng
RT: 14.174 min Scan# 1885
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

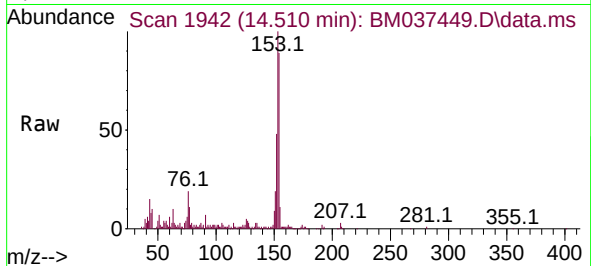
Tgt Ion:152 Resp: 167216
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 12.9 10.6 15.8





#52
Acenaphthene
Concen: 2.309 ng
RT: 14.510 min Scan# 1953
Delta R.T. -0.018 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

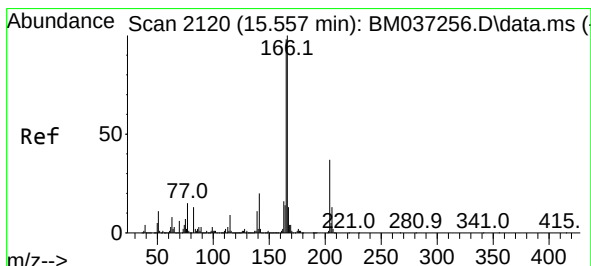
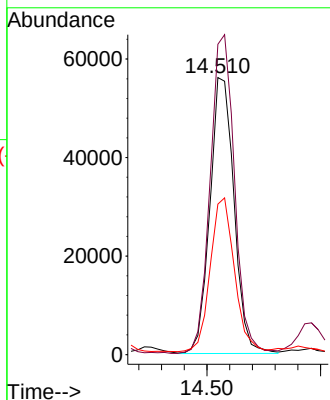
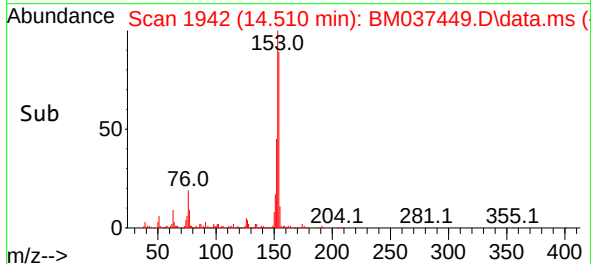
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL



Tgt Ion:154 Resp: 82663
Ion Ratio Lower Upper
154 100
153 112.0 91.5 137.3
152 54.3 43.0 64.6

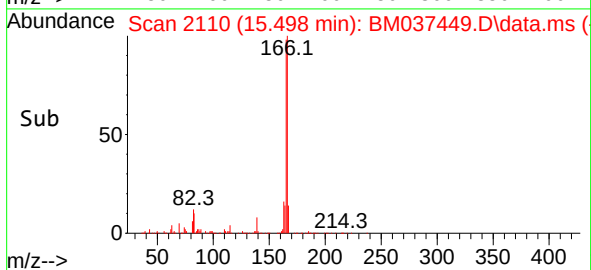
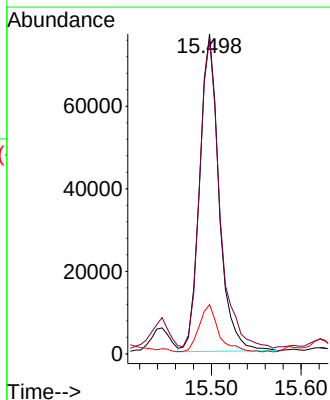
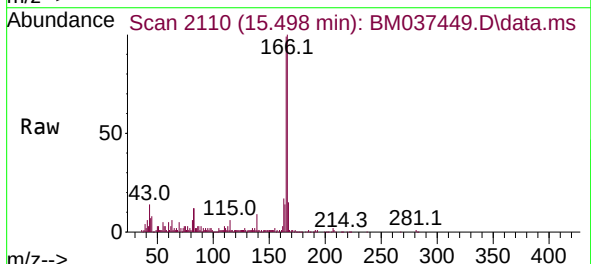
Manual Integrations
APPROVED

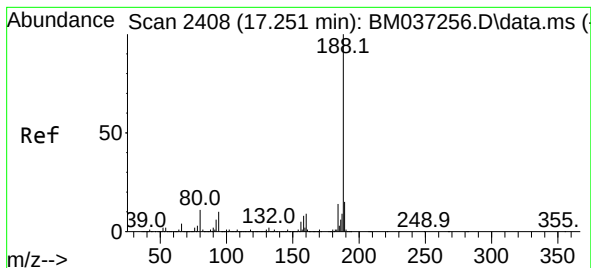
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#58
Fluorene
Concen: 2.509 ng
RT: 15.498 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:166 Resp: 115471
Ion Ratio Lower Upper
166 100
165 98.6 78.2 117.4
167 15.4 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: BM037449.D

Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL

Tgt Ion:188 Resp: 116790

Ion Ratio Lower Upper

188 100

94 9.6 7.9 11.9

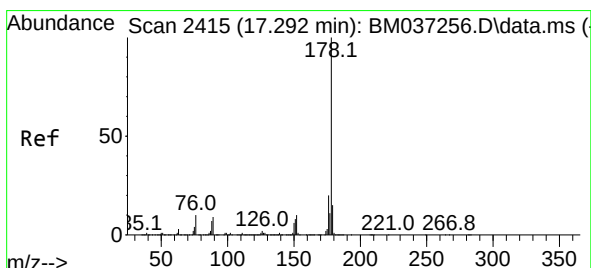
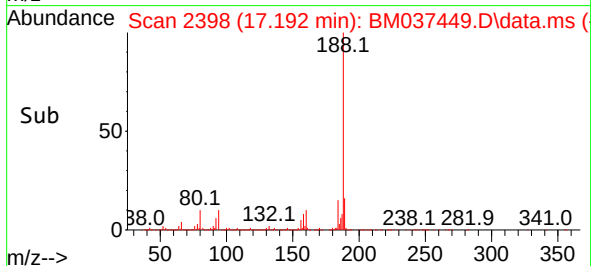
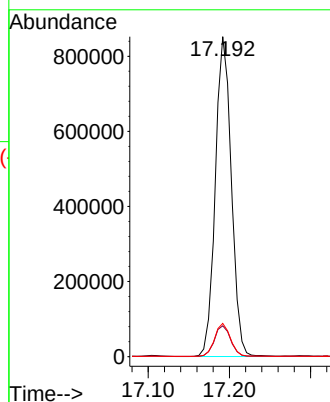
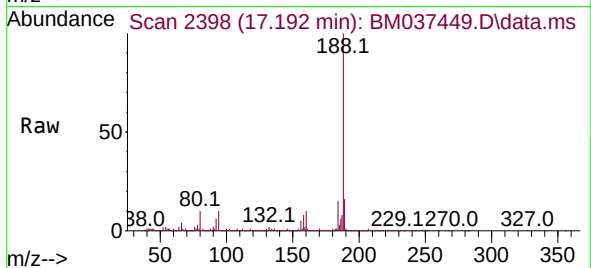
80 10.4 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022



#71

Phenanthrene

Concen: 12.980 ng

RT: 17.233 min Scan# 2405

Delta R.T. -0.018 min

Lab File: BM037449.D

Acq: 10 Nov 2022 13:43

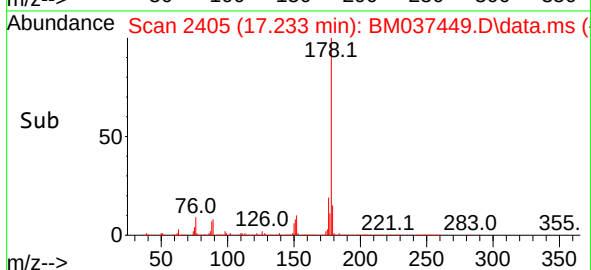
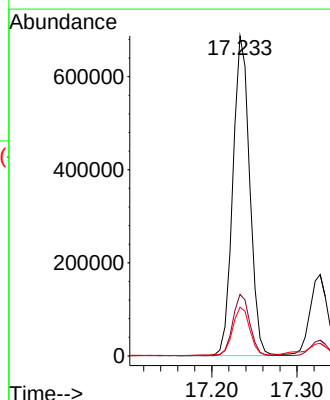
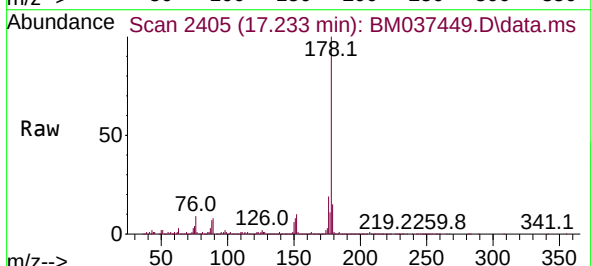
Tgt Ion:178 Resp: 940538

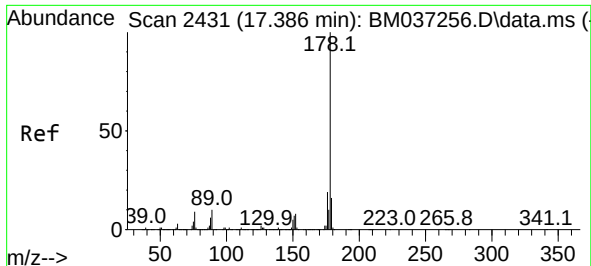
Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

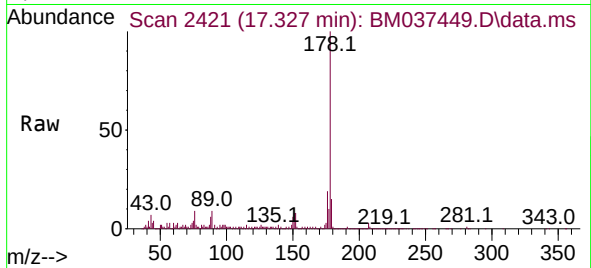
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 3.570 ng
 RT: 17.327 min Scan# 24
 Delta R.T. -0.012 min
 Lab File: BM037449.D
 Acq: 10 Nov 2022 13:43

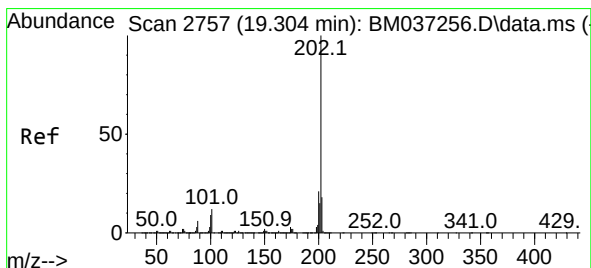
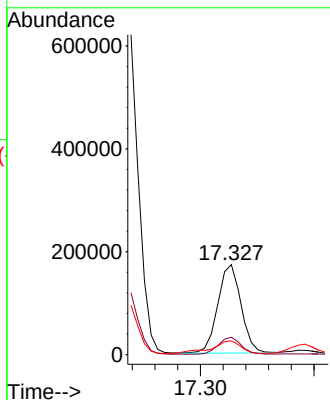
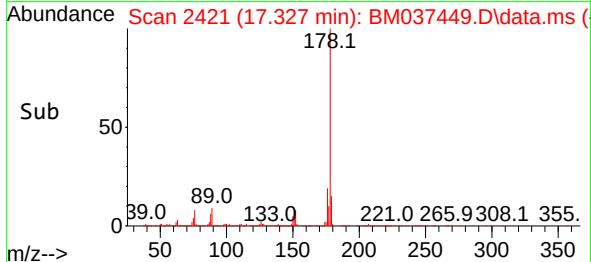
Instrument :
 BNA_M
 ClientSampleId :
 250FERRYBLVD-TFS-02DL



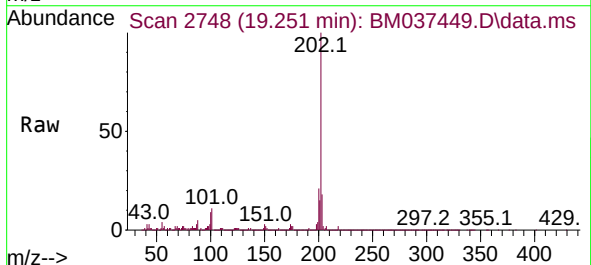
Tgt Ion:178 Resp: 244864
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 15.5 12.6 19.0

Manual Integrations
 APPROVED

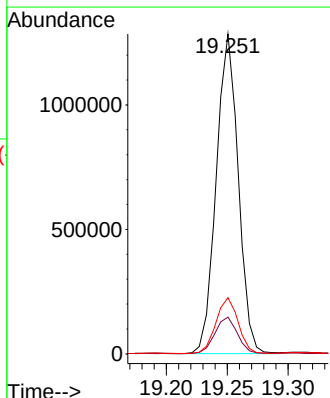
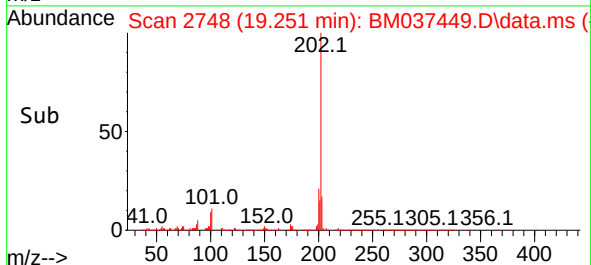
Reviewed By :Christian Giraldo 11/11/2022
 Supervised By :Jagrut Upadhyay 11/11/2022

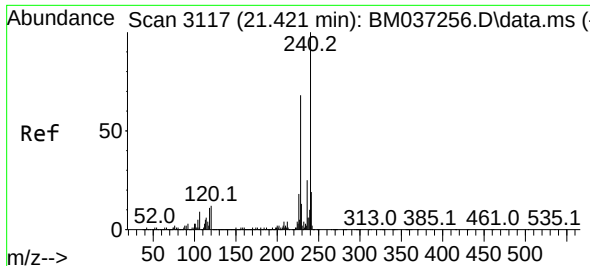


#75
 Fluoranthene
 Concen: 21.080 ng
 RT: 19.251 min Scan# 2748
 Delta R.T. -0.012 min
 Lab File: BM037449.D
 Acq: 10 Nov 2022 13:43



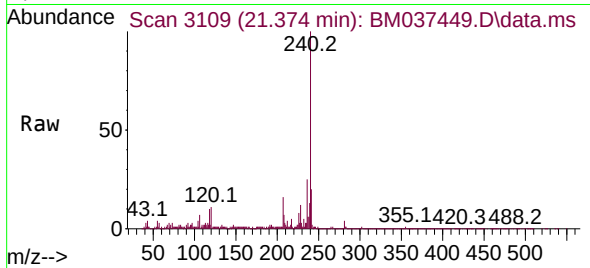
Tgt Ion:202 Resp: 1614565
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.4
 203 17.6 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.374 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

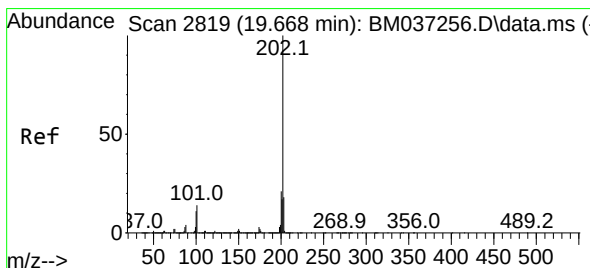
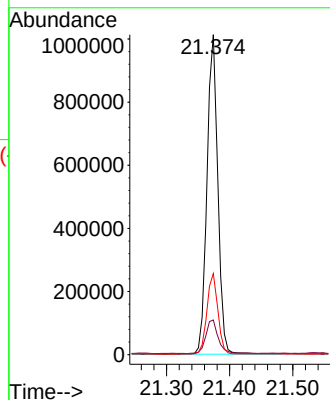
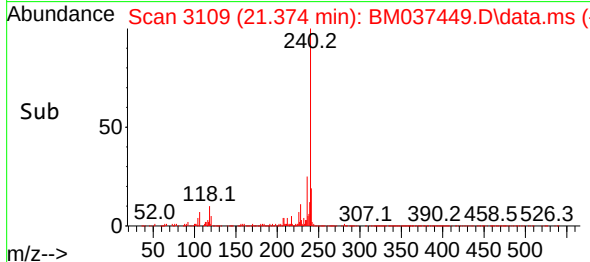
Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL



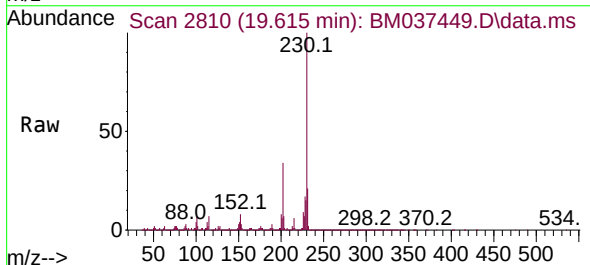
Tgt Ion:240 Resp: 1202804
Ion Ratio Lower Upper
240 100
120 10.8 9.9 14.9
236 25.3 20.3 30.5

Manual Integrations
APPROVED

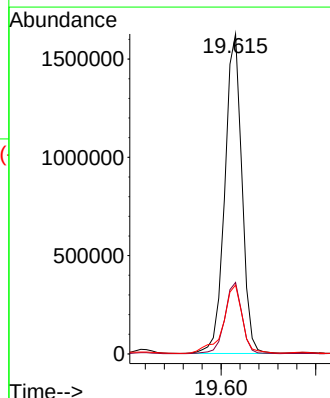
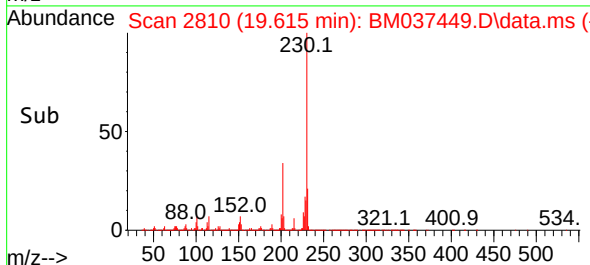
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

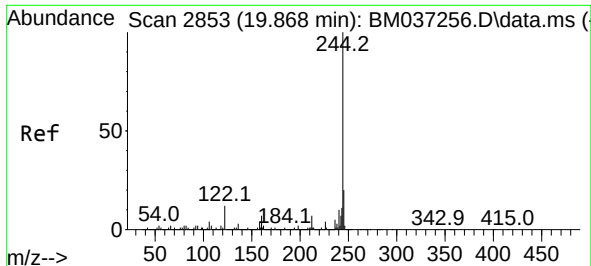


#78
Pyrene
Concen: 21.933 ng
RT: 19.615 min Scan# 2810
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43



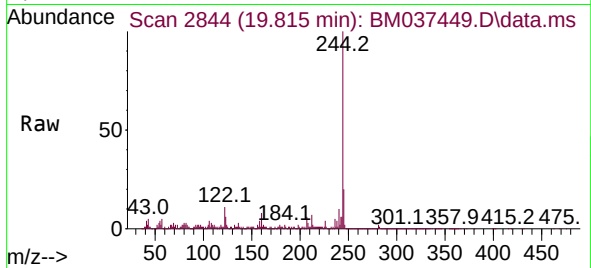
Tgt Ion:202 Resp: 2028631
Ion Ratio Lower Upper
202 100
200 22.3 17.0 25.6
203 21.5 14.1 21.1#





#79
 Terphenyl-d14
 Concen: 11.160 ng
 RT: 19.815 min Scan# 2853
 Delta R.T. -0.012 min
 Lab File: BM037449.D
 Acq: 10 Nov 2022 13:43

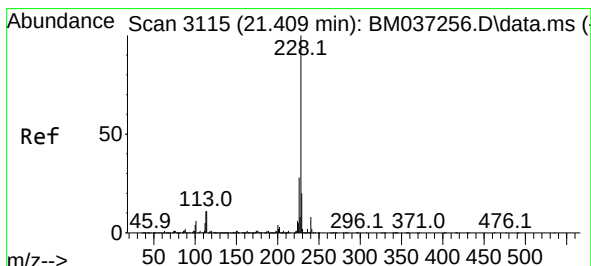
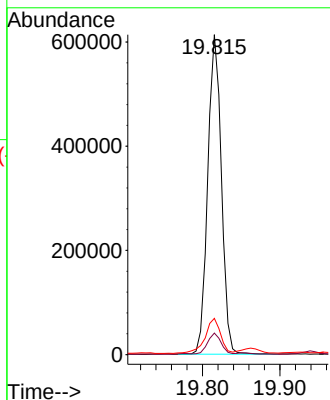
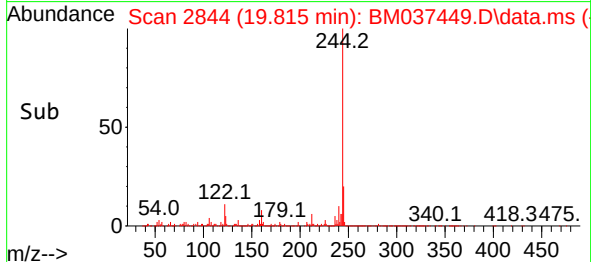
Instrument : BNA_M
 ClientSampleId : 250FERRYBLVD-TFS-02DL



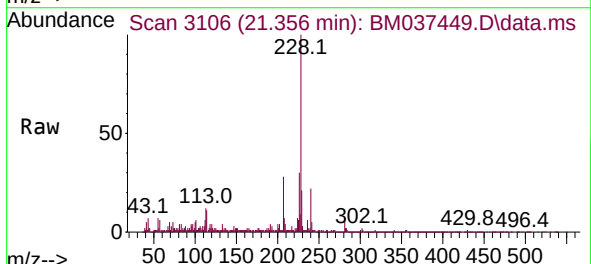
Tgt Ion:244 Resp: 748515
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.3 9.4 14.2

Manual Integrations
 APPROVED

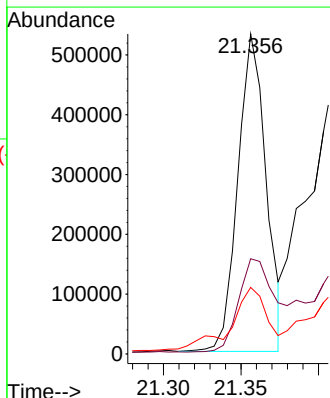
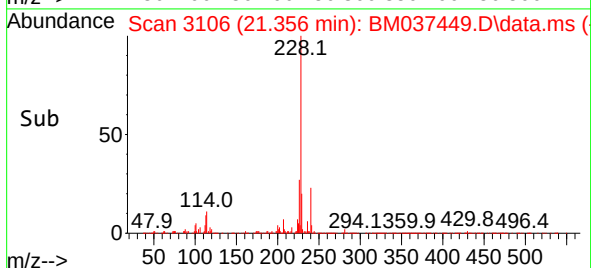
Reviewed By :Christian Giraldo 11/11/2022
 Supervised By :Jagrut Upadhyay 11/11/2022

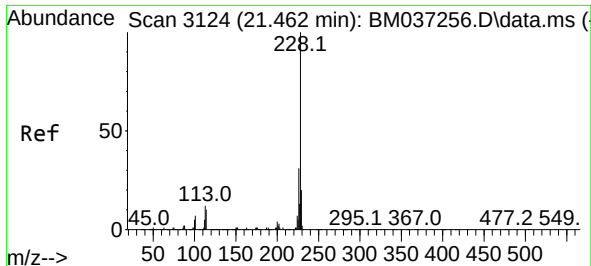


#81
 Benzo(a)anthracene
 Concen: 7.876 ng
 RT: 21.356 min Scan# 3106
 Delta R.T. -0.006 min
 Lab File: BM037449.D
 Acq: 10 Nov 2022 13:43



Tgt Ion:228 Resp: 674403
 Ion Ratio Lower Upper
 228 100
 226 29.7 22.3 33.5
 229 20.8 16.2 24.2





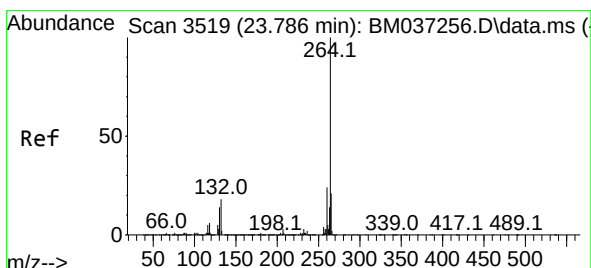
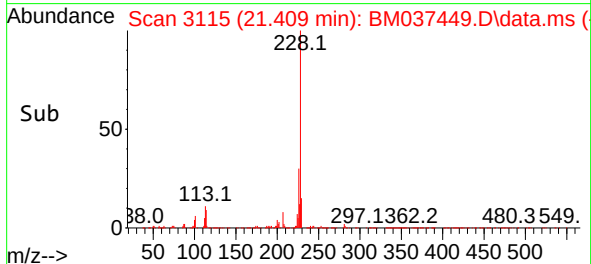
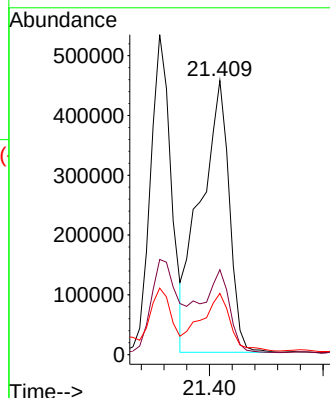
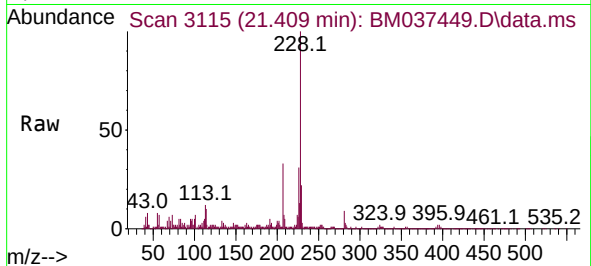
#83
Chrysene
Concen: 9.738 ng
RT: 21.409 min Scan# 3124
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

Tgt Ion:228 Resp: 803392
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.4 16.0 24.0

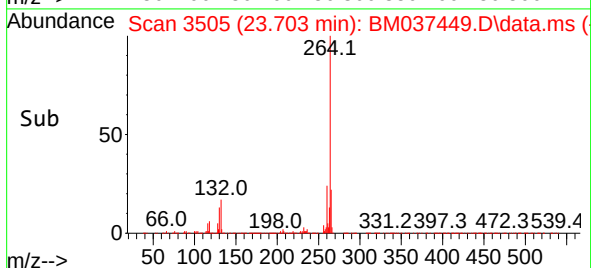
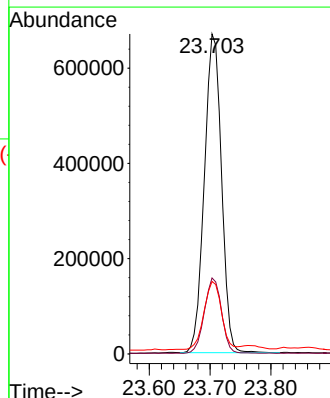
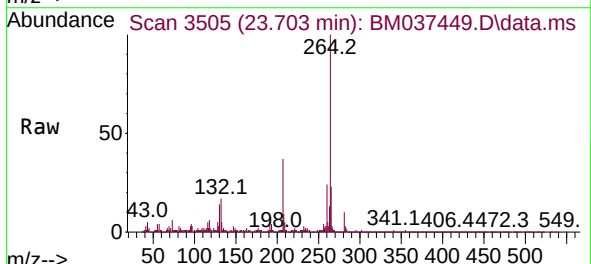
Manual Integrations
APPROVED

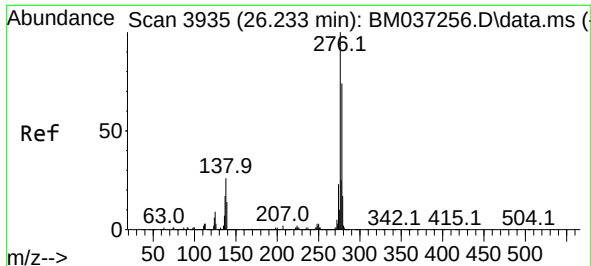
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.703 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:264 Resp: 1307844
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.6 17.7 26.5





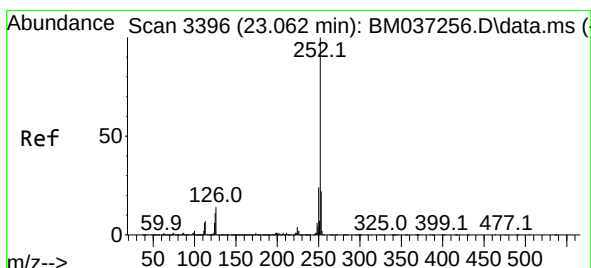
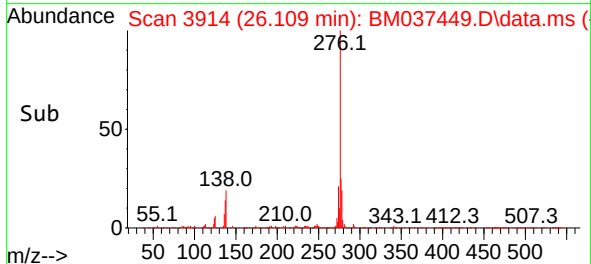
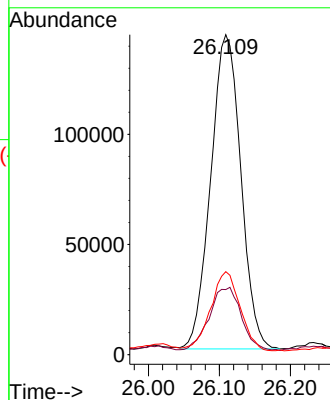
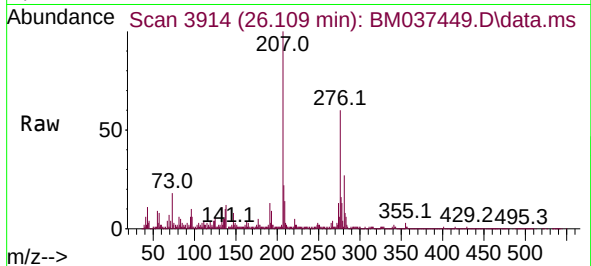
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.932 ng
RT: 26.109 min Scan# 3935
Delta R.T. -0.024 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

Tgt Ion: 276 Resp: 421062
Ion Ratio Lower Upper
276 100
138 21.5 21.5 32.3
277 24.7 20.1 30.1

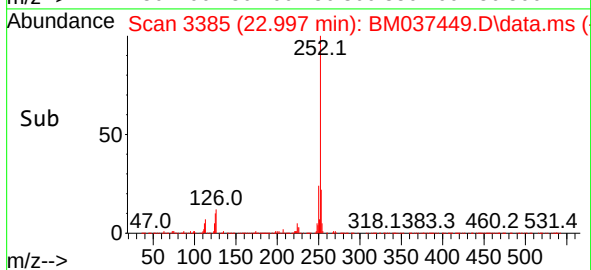
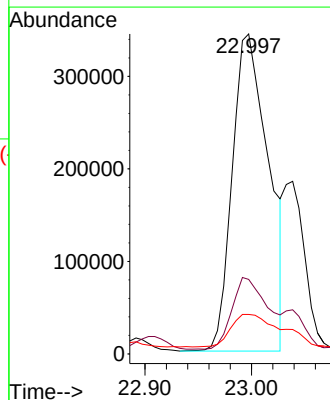
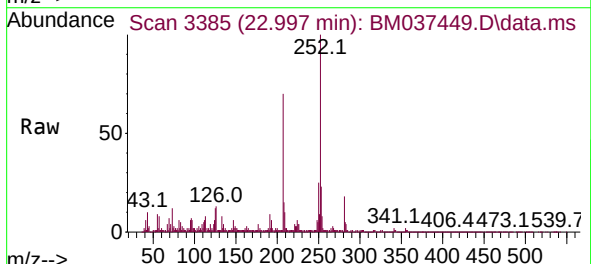
Manual Integrations
APPROVED

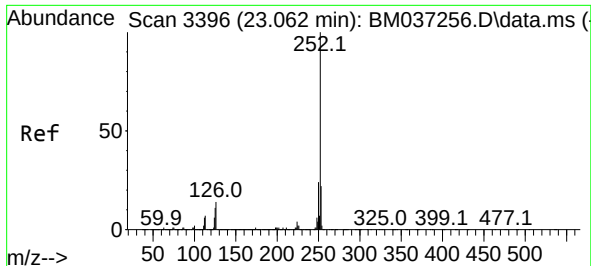
Reviewed By : Christian Giraldo 11/11/2022
Supervised By : Jagrut Upadhyay 11/11/2022



#88
Benzo(b)fluoranthene
Concen: 8.934 ng
RT: 22.997 min Scan# 3385
Delta R.T. -0.006 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion: 252 Resp: 811142
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.3 9.1 13.7





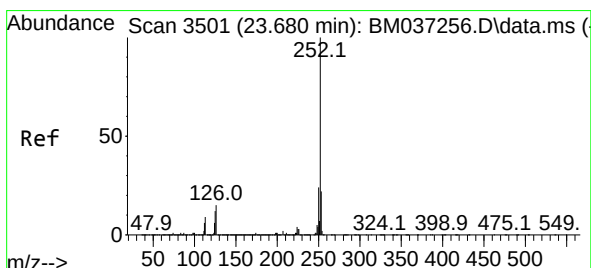
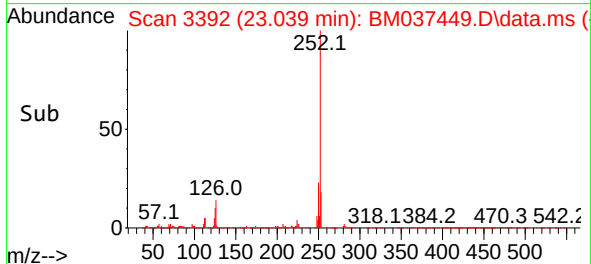
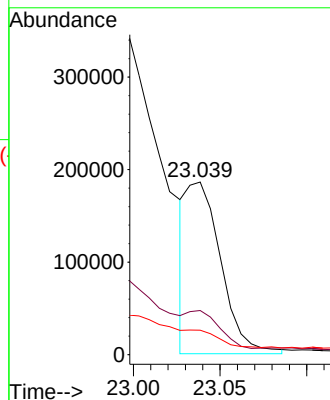
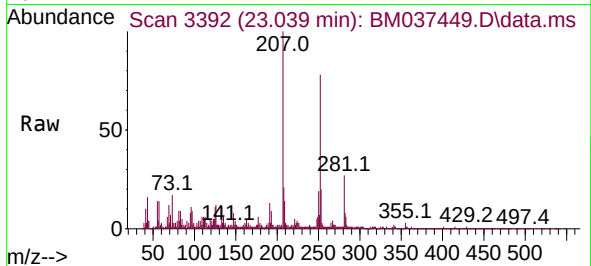
#89
Benzo(k)fluoranthene
Concen: 2.765 ng m
RT: 23.039 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Instrument :
BNA_M
ClientSampleId :
250FERRYBLVD-TFS-02DL

Tgt Ion:252 Resp: 256056
Ion Ratio Lower Upper
252 100
253 25.5 17.8 26.6
125 14.1 9.1 13.7

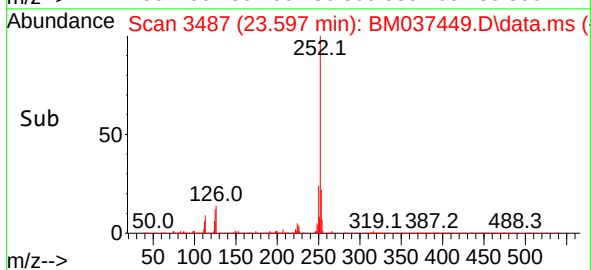
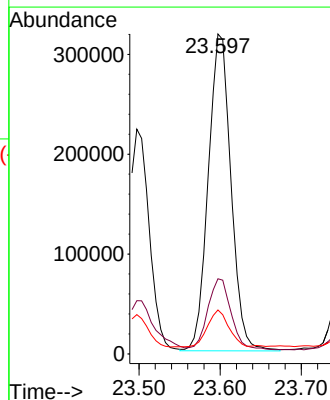
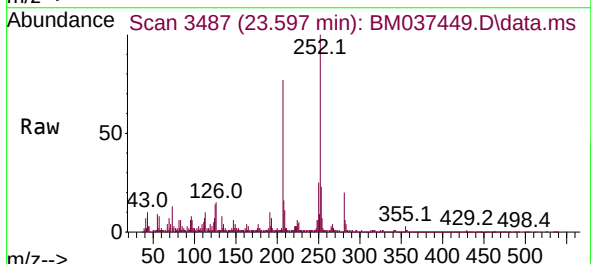
Manual Integrations
APPROVED

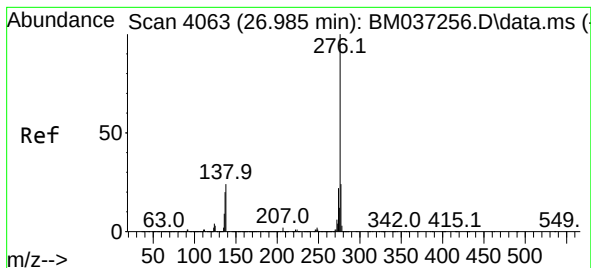
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#90
Benzo(a)pyrene
Concen: 8.351 ng
RT: 23.597 min Scan# 3487
Delta R.T. -0.012 min
Lab File: BM037449.D
Acq: 10 Nov 2022 13:43

Tgt Ion:252 Resp: 617785
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 13.7 9.9 14.9





#92

Benzo(g,h,i)perylene

Concen: 5.072 ng

RT: 26.850 min Scan# 40

Delta R.T. -0.029 min

Lab File: BM037449.D

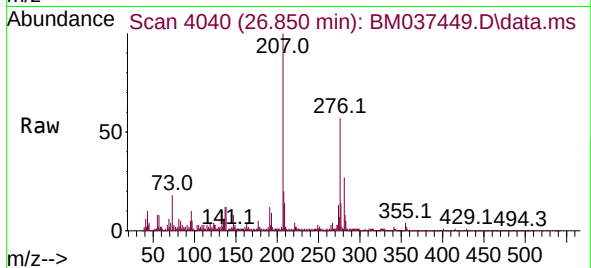
Acq: 10 Nov 2022 13:43

Instrument :

BNA_M

ClientSampleId :

250FERRYBLVD-TFS-02DL



Tgt Ion:276 Resp: 438950

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.2

138 21.7 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/11/2022

Supervised By :Jagrut Upadhyay 11/11/2022

