

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
 Data File : BM039080.D
 Acq On : 21 Mar 2023 22:07
 Operator : CG/JU
 Sample : 02019-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-352

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/22/2023
 Supervised By : Jagrut Upadhyay 03/22/2023

Quant Time: Mar 22 03:45:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	340113	20.000	ng	0.00
21) Naphthalene-d8	10.781	136	1342404	20.000	ng	0.00
39) Acenaphthene-d10	14.604	164	703074	20.000	ng	0.00
64) Phenanthrene-d10	17.351	188	1297182	20.000	ng	0.00
76) Chrysene-d12	21.527	240	1217618	20.000	ng	0.00
86) Perylene-d12	23.956	264	1366098	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1700472	75.960	ng	0.00
7) Phenol-d6	7.128	99	2168393	74.573	ng	0.00
23) Nitrobenzene-d5	9.134	82	1307512	47.844	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	551357	67.789	ng	0.00
45) 2-Fluorobiphenyl	13.233	172	2623231	48.571	ng	0.00
79) Terphenyl-d14	19.968	244	3156632	47.399	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	16.998	266	110687	9.608	ng	98
71) Phenanthrene	17.392	178	512514	6.732	ng	100
75) Fluoranthene	19.403	202	1123577	13.978	ng	99
78) Pyrene	19.768	202	948709	10.374	ng	99
81) Benzo(a)anthracene	21.509	228	470587	5.367	ng	98
83) Chrysene	21.562	228	554722	6.504	ng	99
84) Bis(2-ethylhexyl)phtha...	21.439	149	521478	11.280	ng	100
87) Indeno(1,2,3-cd)pyrene	26.480	276	358803	3.452	ng	96
88) Benzo(b)fluoranthene	23.215	252	778110	8.916	ng	97
89) Benzo(k)fluoranthene	23.262	252	234715m	2.584	ng	
90) Benzo(a)pyrene	23.850	252	464538	5.530	ng	100
92) Benzo(g,h,i)perylene	27.262	276	347456	4.034	ng	97

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

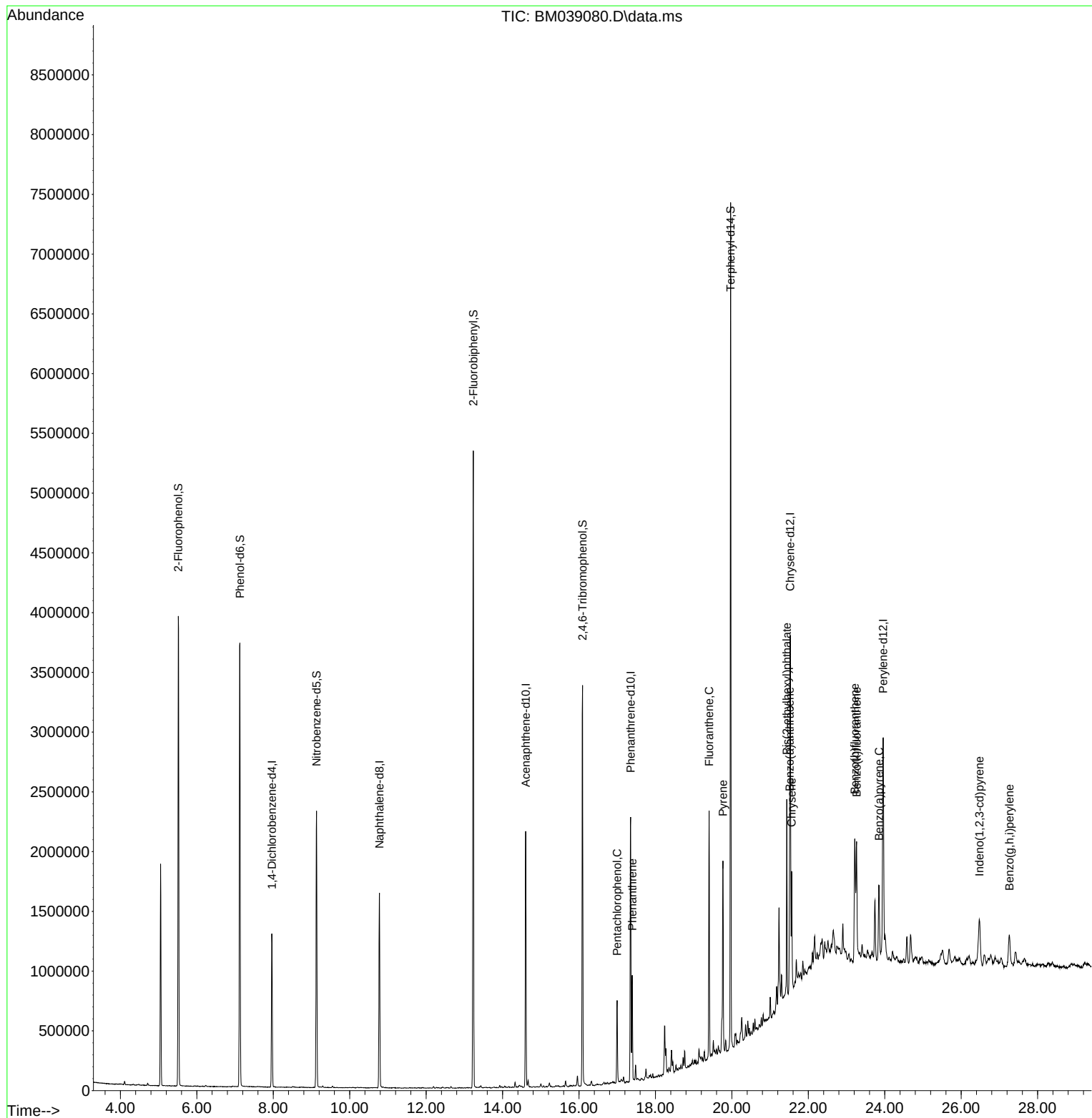
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032123\
Data File : BM039080.D
Acq On : 21 Mar 2023 22:07
Operator : CG/JU
Sample : 02019-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

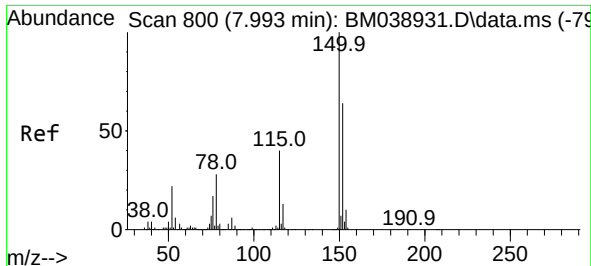
Instrument :
BNA_M
ClientSampleId :
ETGI-352

Quant Time: Mar 22 03:45:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 03:36:20 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

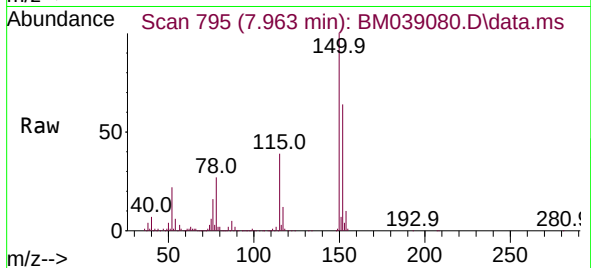
Reviewed By : Christian Giraldo 03/22/2023
Supervised By : Jagrut Upadhyay 03/22/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 79
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

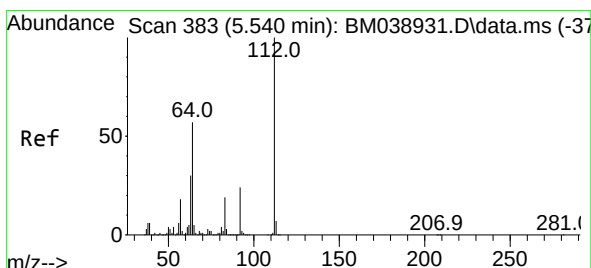
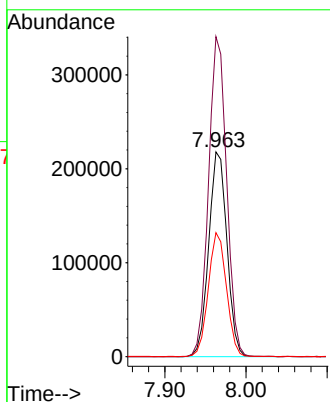
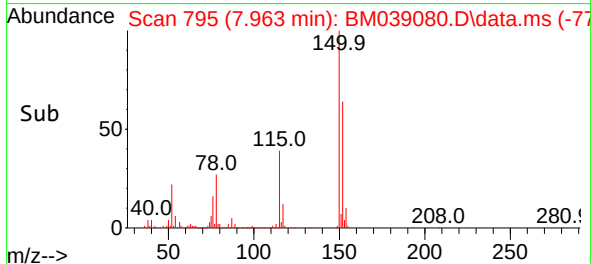
Instrument :
BNA_M
ClientSampleId :
ETGI-352



Tgt Ion:152 Resp: 340113
Ion Ratio Lower Upper
152 100
150 156.3 125.1 187.7
115 60.6 49.6 74.4

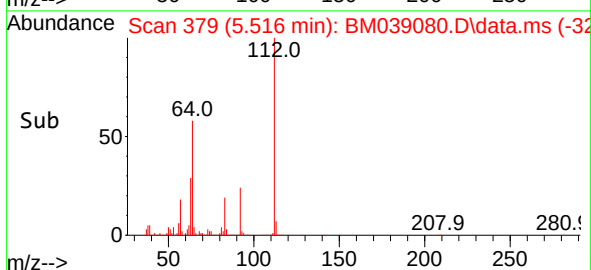
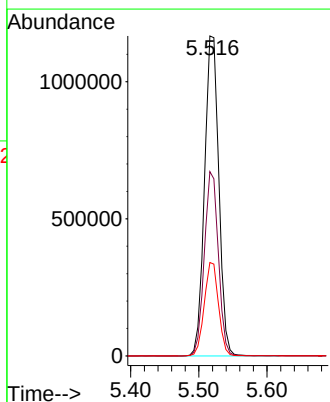
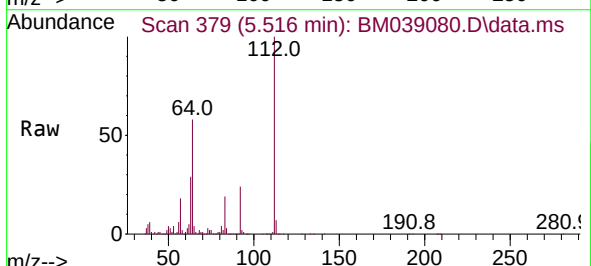
Manual Integrations
APPROVED

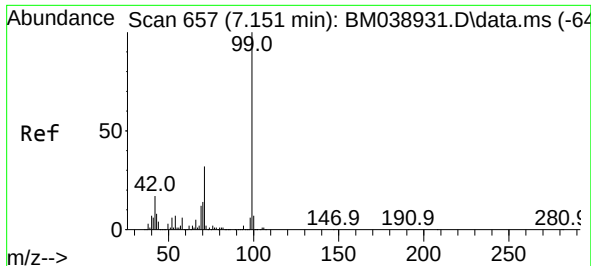
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#5
2-Fluorophenol
Concen: 75.960 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

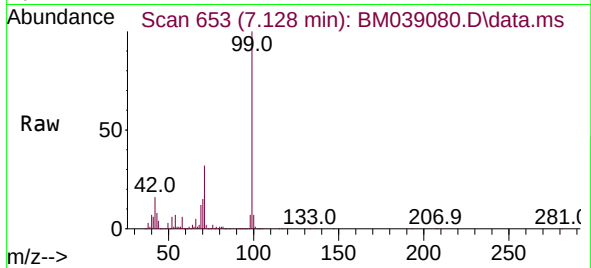
Tgt Ion:112 Resp: 1700472
Ion Ratio Lower Upper
112 100
64 57.6 45.9 68.9
63 29.2 23.8 35.8





#7
Phenol-d6
Concen: 74.573 ng
RT: 7.128 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

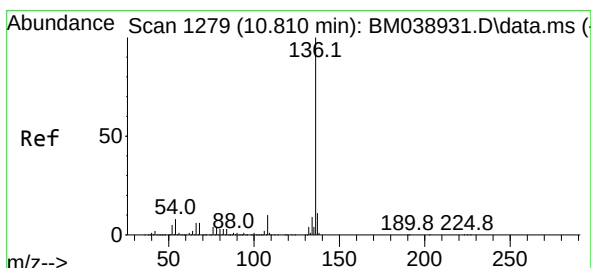
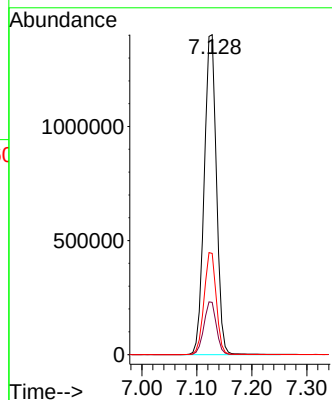
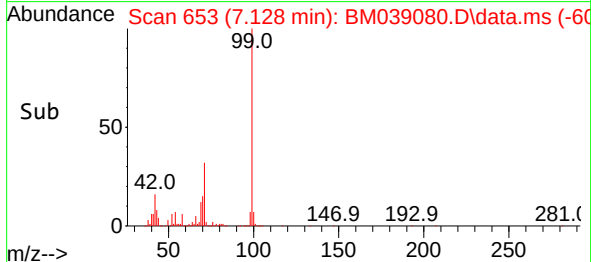
Instrument :
BNA_M
ClientSampleId :
ETGI-352



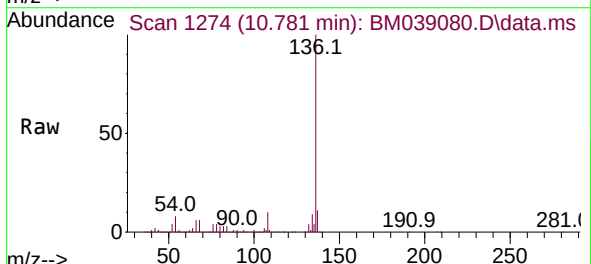
Tgt Ion: 99 Resp: 2168393
Ion Ratio Lower Upper
99 100
42 16.3 13.5 20.3
71 31.6 25.6 38.4

Manual Integrations
APPROVED

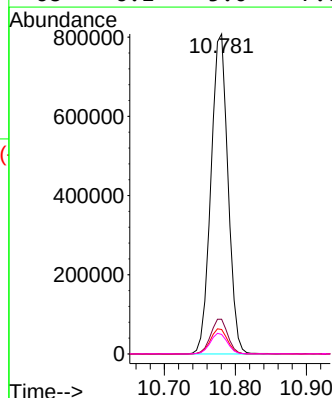
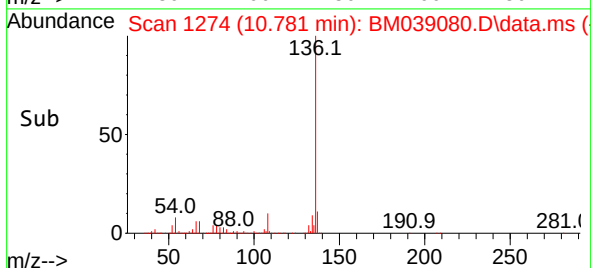
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

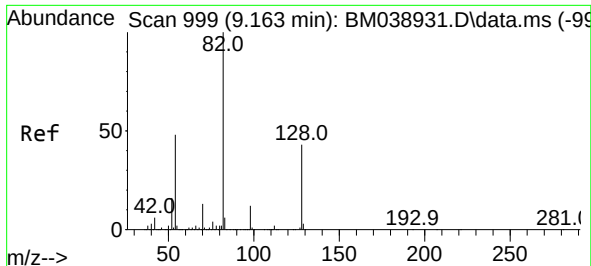


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.781 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07



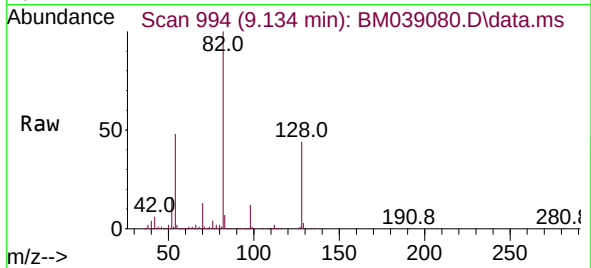
Tgt Ion:136 Resp: 1342404
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.6 6.3 9.5
68 6.1 5.0 7.6





#23
Nitrobenzene-d5
Concen: 47.844 ng
RT: 9.134 min Scan# 999
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

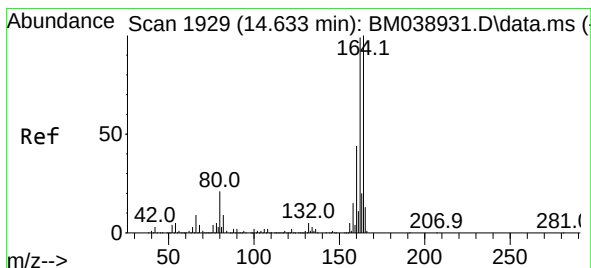
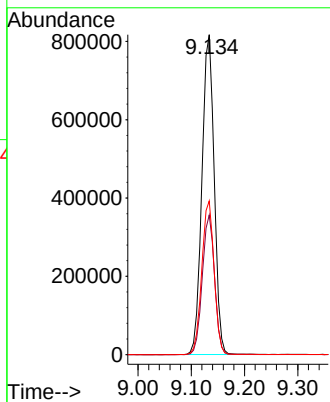
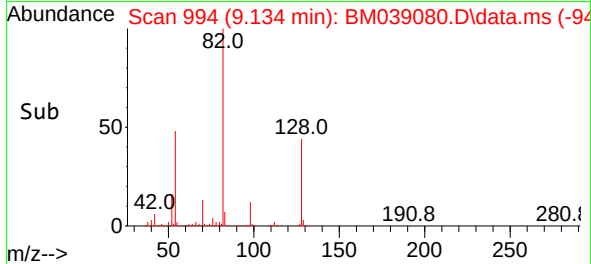
Instrument :
BNA_M
ClientSampleId :
ETGI-352



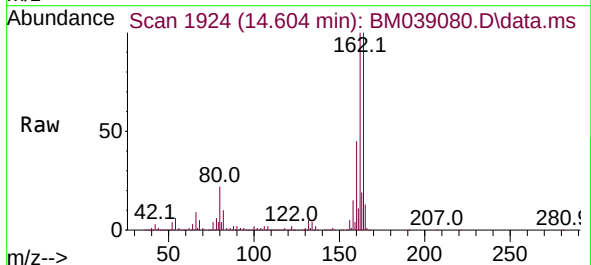
Tgt Ion: 82 Resp: 1307512
Ion Ratio Lower Upper
82 100
128 43.6 34.4 51.6
54 48.0 38.8 58.2

Manual Integrations
APPROVED

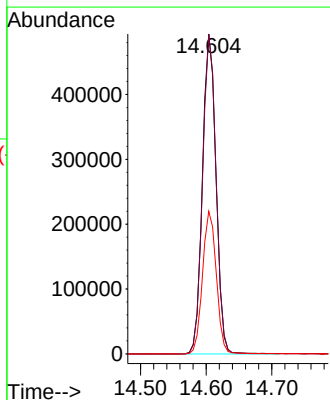
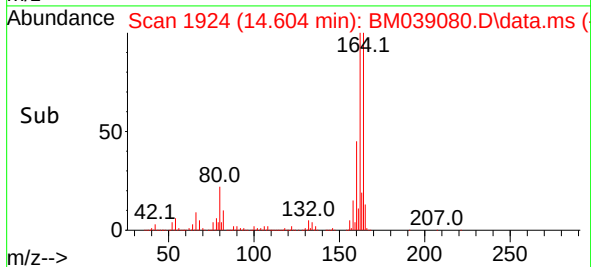
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

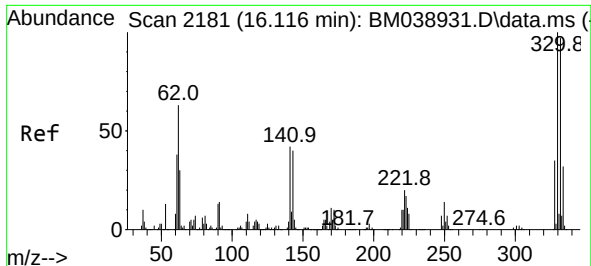


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.604 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07



Tgt Ion:164 Resp: 703074
Ion Ratio Lower Upper
164 100
162 99.8 79.2 118.8
160 44.6 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 67.789 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

Instrument :

BNA_M

ClientSampleId :

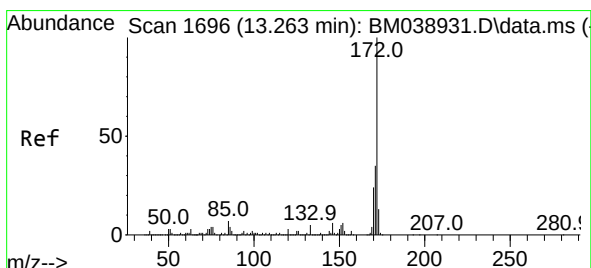
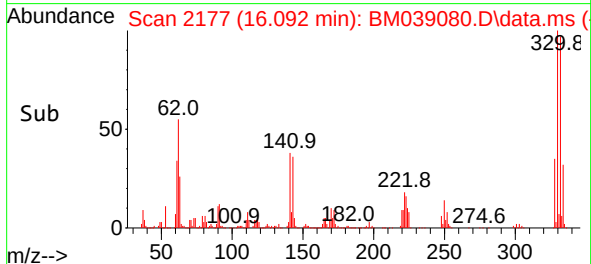
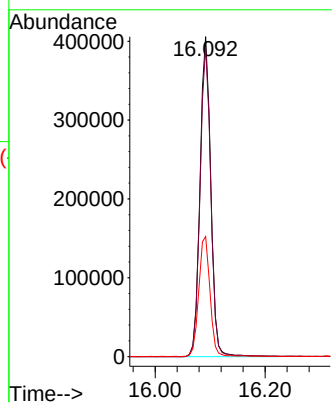
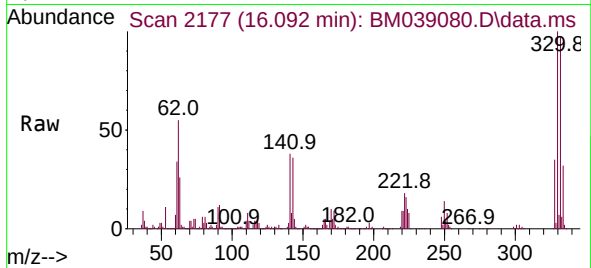
ETGI-352

Tgt Ion:330 Resp: 551352
Ion Ratio Lower Upper
330 100
332 96.5 77.4 116.0
141 39.1 32.2 48.4

Manual Integrations

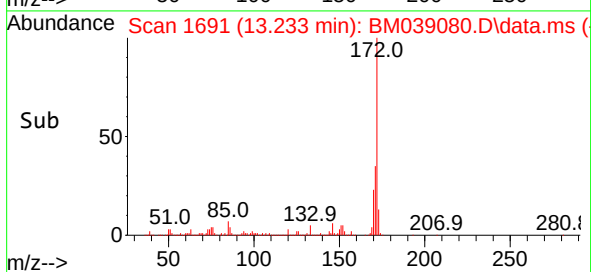
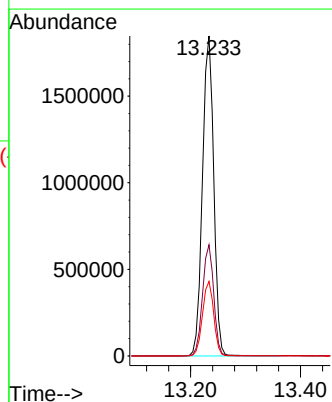
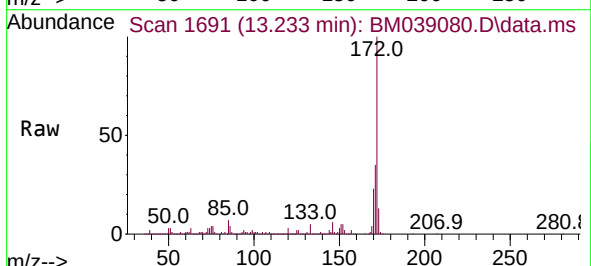
APPROVED

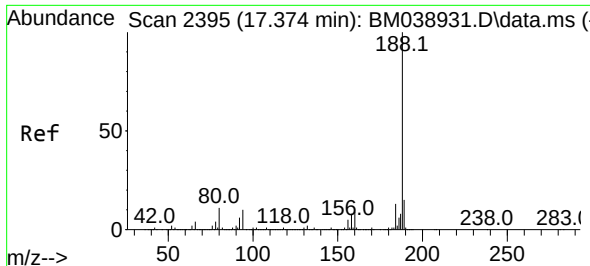
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#45
2-Fluorobiphenyl
Concen: 48.571 ng
RT: 13.233 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

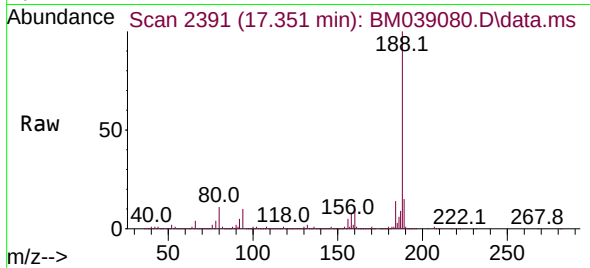
Tgt Ion:172 Resp: 2623231
Ion Ratio Lower Upper
172 100
171 34.7 28.2 42.2
170 23.3 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.351 min Scan# 2391
Delta R.T. 0.000 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

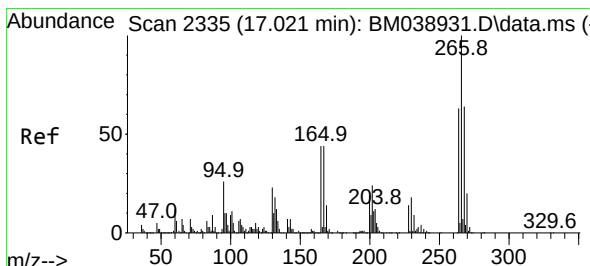
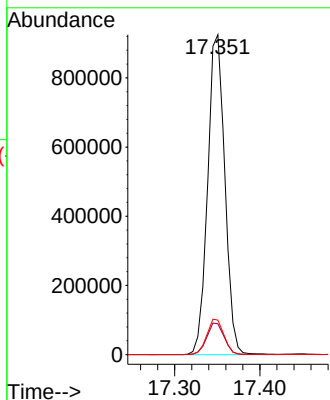
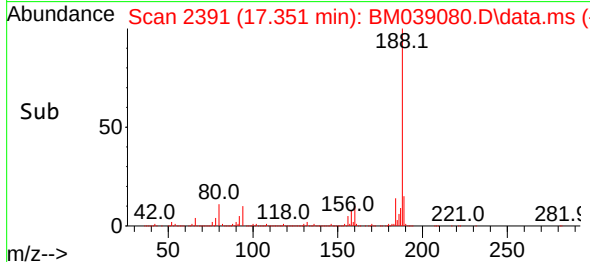
Instrument :
BNA_M
ClientSampleId :
ETGI-352



Tgt Ion:188 Resp: 1297182
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.8 8.5 12.7

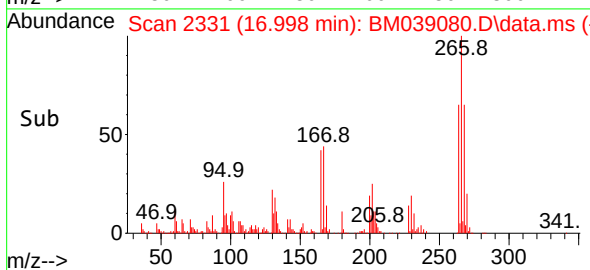
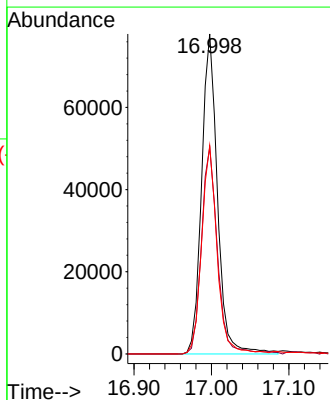
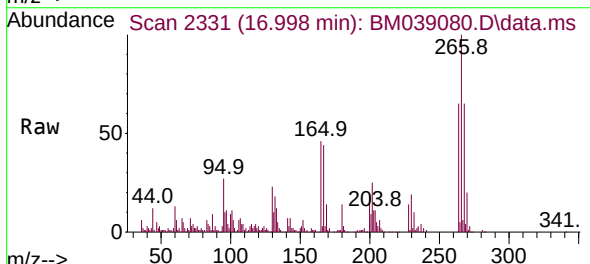
Manual Integrations
APPROVED

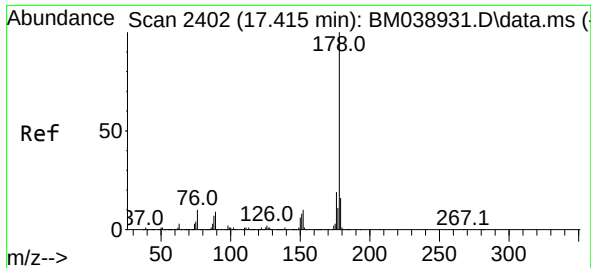
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#70
Pentachlorophenol
Concen: 9.608 ng
RT: 16.998 min Scan# 2331
Delta R.T. 0.000 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

Tgt Ion:266 Resp: 110687
Ion Ratio Lower Upper
266 100
268 64.5 51.0 76.4
264 65.1 50.3 75.5





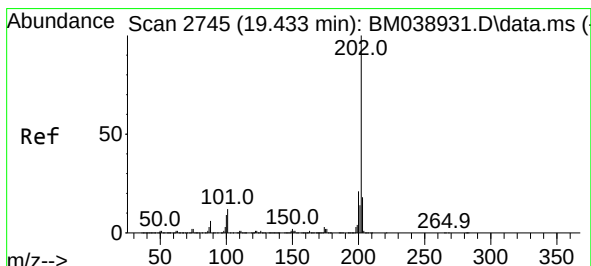
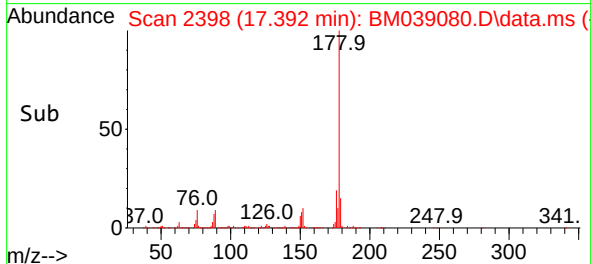
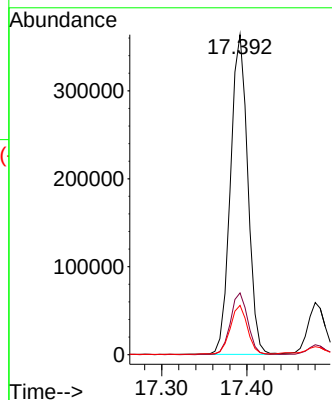
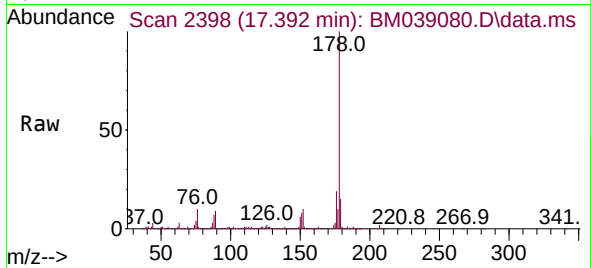
#71
Phenanthrene
Concen: 6.732 ng
RT: 17.392 min Scan# 2398
Delta R.T. 0.000 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

Instrument :
BNA_M
ClientSampleId :
ETGI-352

Tgt Ion:178 Resp: 512514
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.4 12.5 18.7

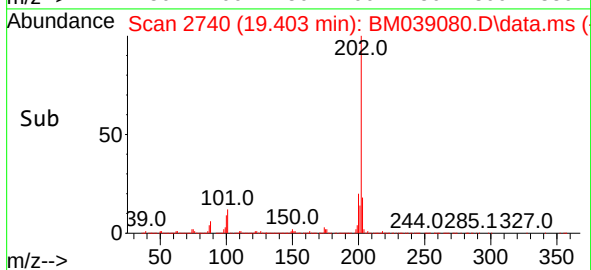
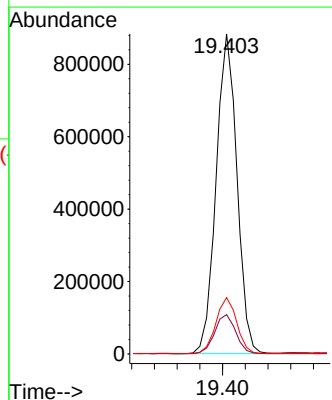
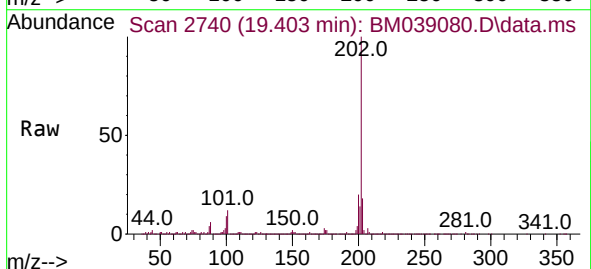
Manual Integrations
APPROVED

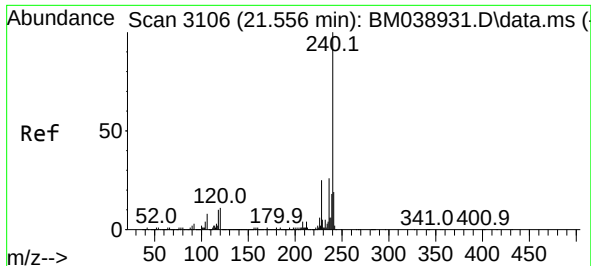
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#75
Fluoranthene
Concen: 13.978 ng
RT: 19.403 min Scan# 2740
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

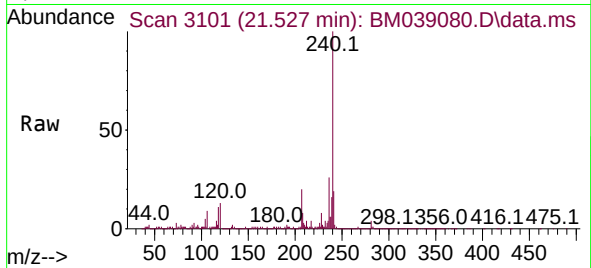
Tgt Ion:202 Resp: 1123577
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.7
203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

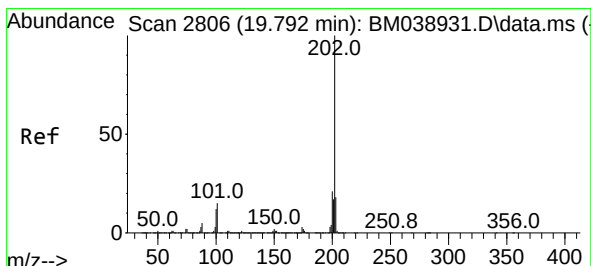
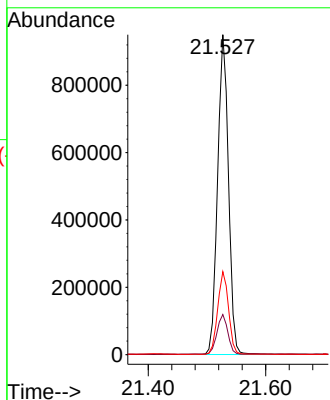
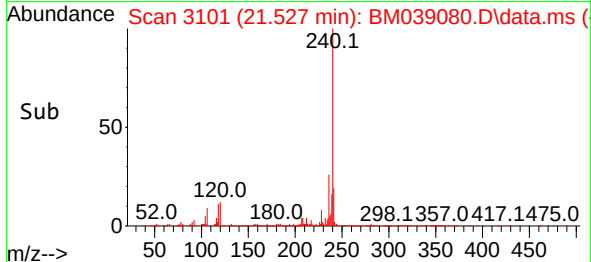
Instrument :
BNA_M
ClientSampleId :
ETGI-352



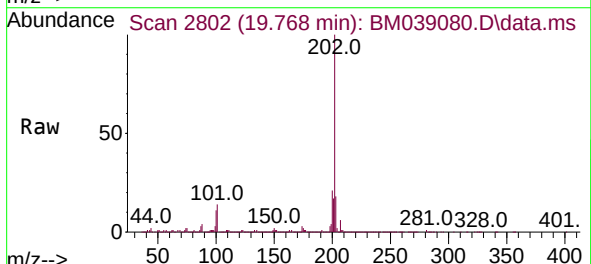
Tgt Ion:240 Resp: 1217618
Ion Ratio Lower Upper
240 100
120 12.5 9.2 13.8
236 25.9 20.8 31.2

Manual Integrations
APPROVED

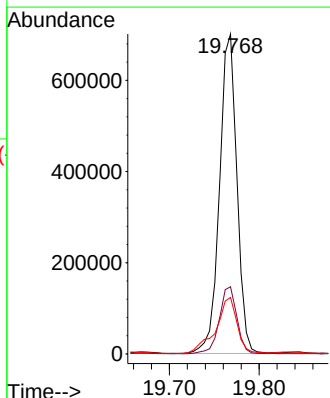
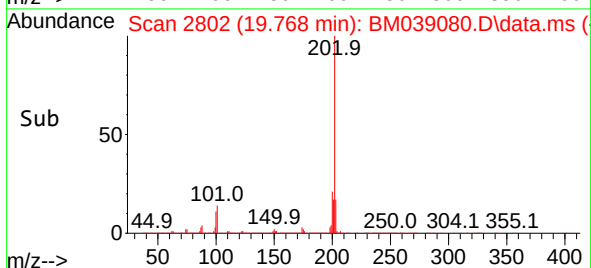
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023

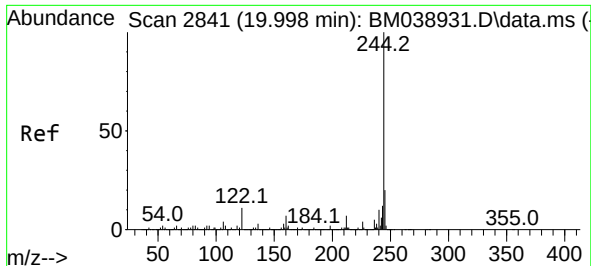


#78
Pyrene
Concen: 10.374 ng
RT: 19.768 min Scan# 2802
Delta R.T. 0.000 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07



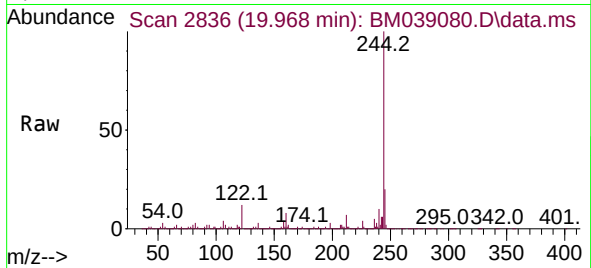
Tgt Ion:202 Resp: 948709
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 17.6 14.1 21.1





#79
 Terphenyl-d14
 Concen: 47.399 ng
 RT: 19.968 min Scan# 2841
 Delta R.T. 0.000 min
 Lab File: BM039080.D
 Acq: 21 Mar 2023 22:07

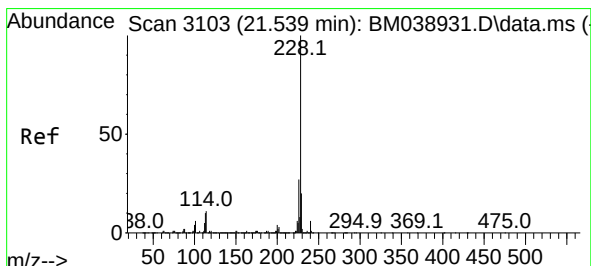
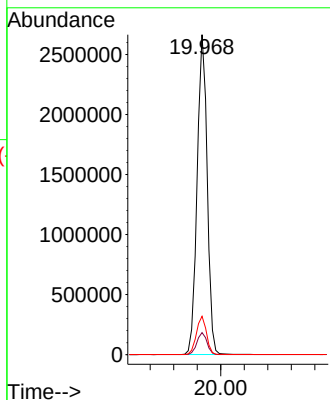
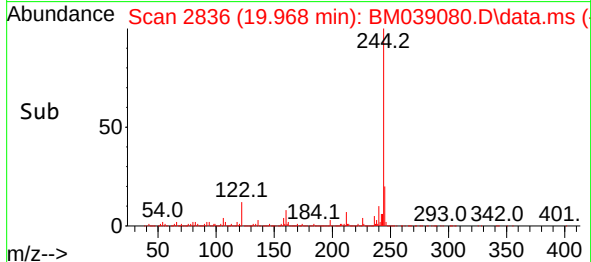
Instrument :
 BNA_M
 ClientSampleId :
 ETGI-352



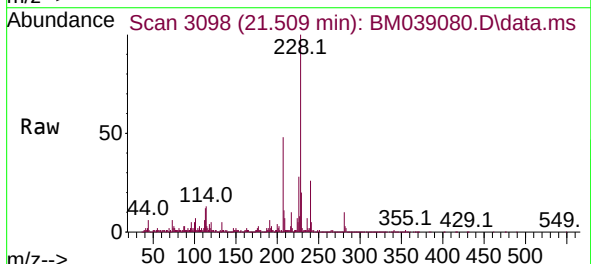
Tgt Ion:244 Resp: 3156632
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.5 8.3
 122 12.0 9.0 13.4

Manual Integrations
 APPROVED

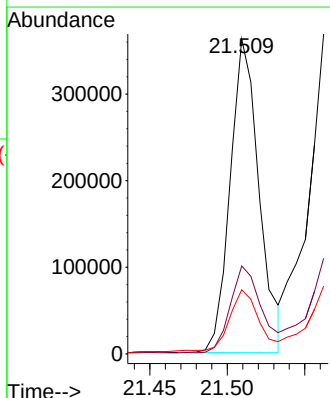
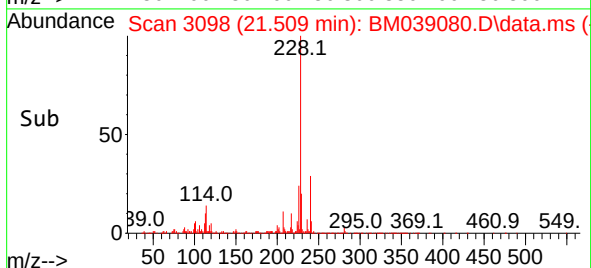
Reviewed By :Christian Giraldo 03/22/2023
 Supervised By :Jagrut Upadhyay 03/22/2023

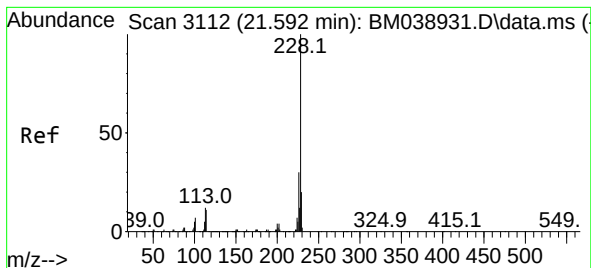


#81
 Benzo(a)anthracene
 Concen: 5.367 ng
 RT: 21.509 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BM039080.D
 Acq: 21 Mar 2023 22:07



Tgt Ion:228 Resp: 470587
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.4 32.2
 229 20.3 15.7 23.5





#83

Chrysene

Concen: 6.504 ng

RT: 21.562 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039080.D

Acq: 21 Mar 2023 22:07

Instrument :

BNA_M

ClientSampleId :

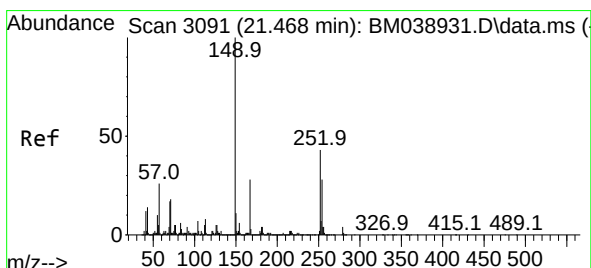
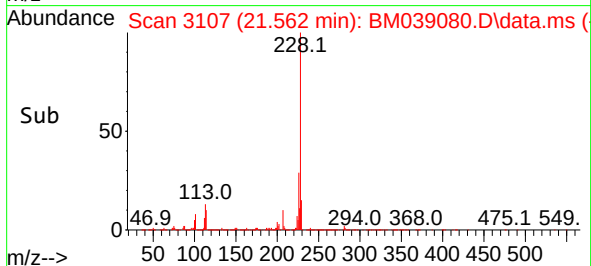
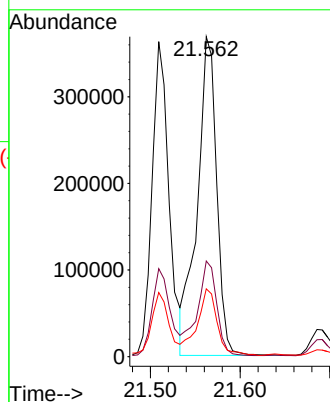
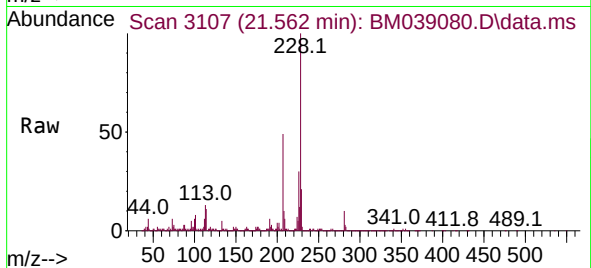
ETGI-352

Tgt Ion:228 Resp: 554722
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.0 36.0
 229 21.2 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023
 Supervised By :Jagrut Upadhyay 03/22/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.280 ng

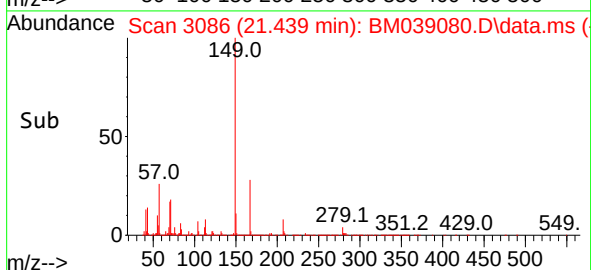
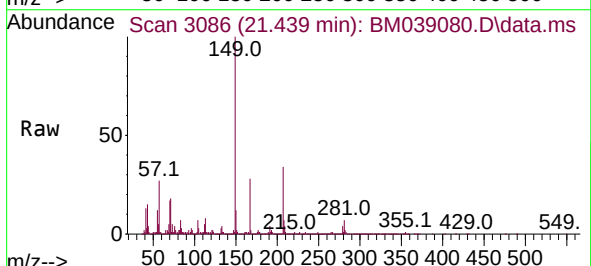
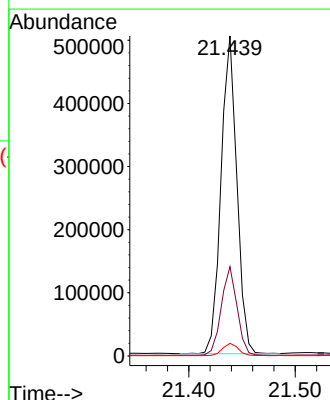
RT: 21.439 min Scan# 3086

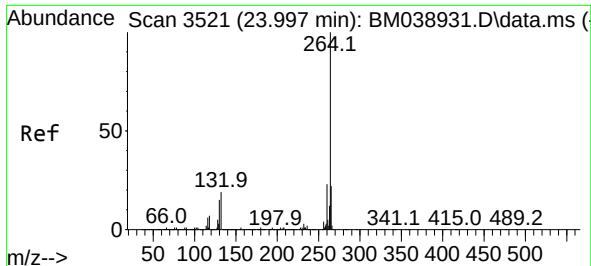
Delta R.T. 0.000 min

Lab File: BM039080.D

Acq: 21 Mar 2023 22:07

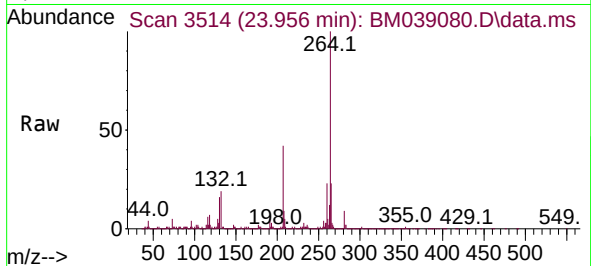
Tgt Ion:149 Resp: 521478
 Ion Ratio Lower Upper
 149 100
 167 27.9 22.3 33.5
 279 3.9 3.2 4.8





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.956 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BM039080.D
 Acq: 21 Mar 2023 22:07

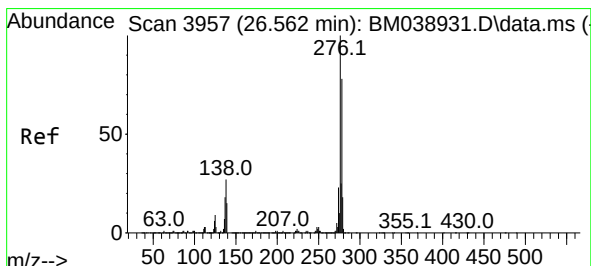
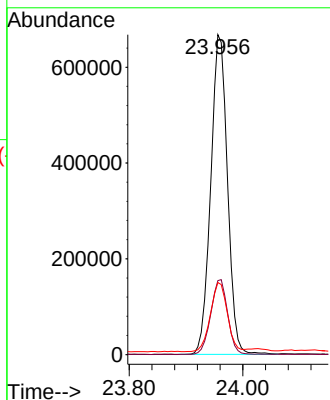
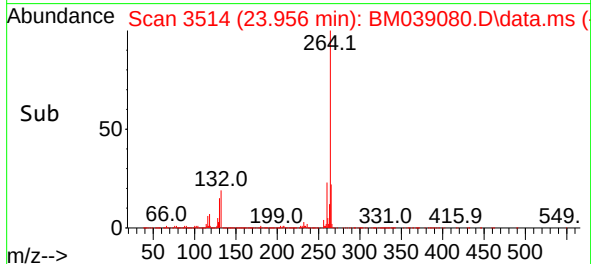
Instrument :
 BNA_M
 ClientSampleId :
 ETGI-352



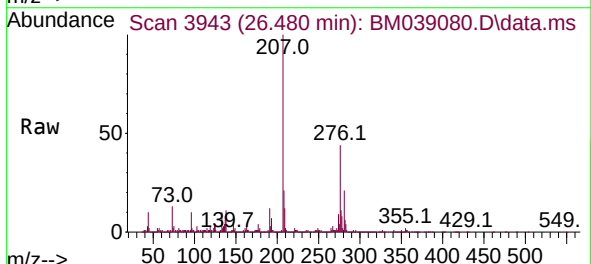
Tgt Ion:264 Resp: 1366098
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.7 28.1
 265 22.5 17.9 26.9

Manual Integrations
 APPROVED

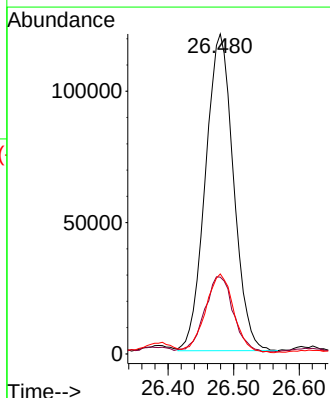
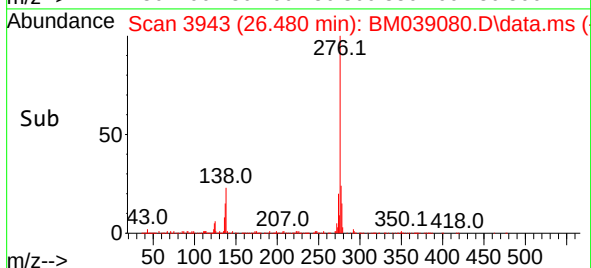
Reviewed By :Christian Giraldo 03/22/2023
 Supervised By :Jagrut Upadhyay 03/22/2023

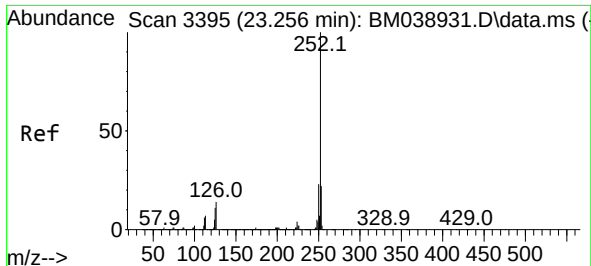


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.452 ng
 RT: 26.480 min Scan# 3943
 Delta R.T. -0.018 min
 Lab File: BM039080.D
 Acq: 21 Mar 2023 22:07



Tgt Ion:276 Resp: 358803
 Ion Ratio Lower Upper
 276 100
 138 23.9 22.1 33.1
 277 25.0 20.1 30.1





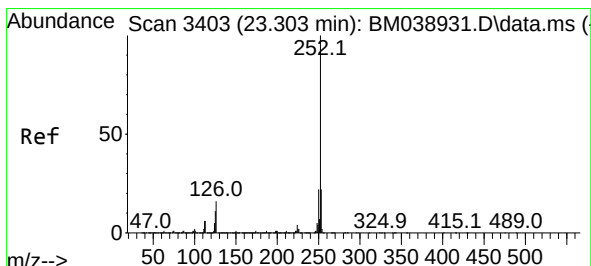
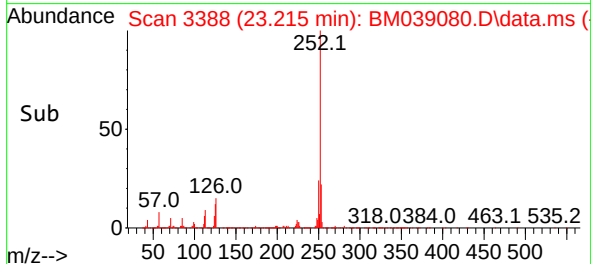
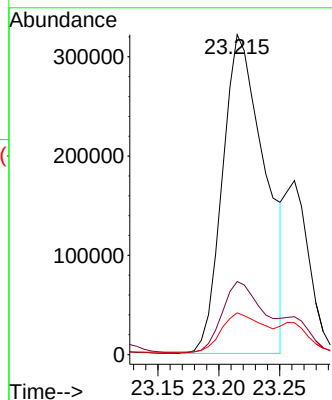
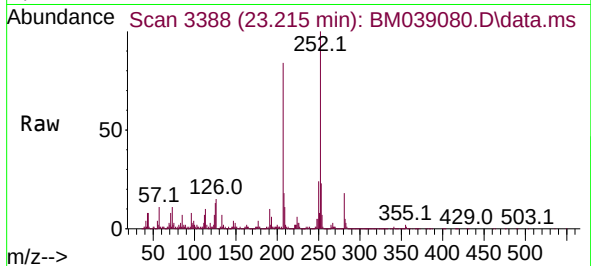
#88
Benzo(b)fluoranthene
Concen: 8.916 ng
RT: 23.215 min Scan# 3395
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

Instrument :
BNA_M
ClientSampleId :
ETGI-352

Tgt Ion:252 Resp: 778110
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 13.0 8.8 13.2

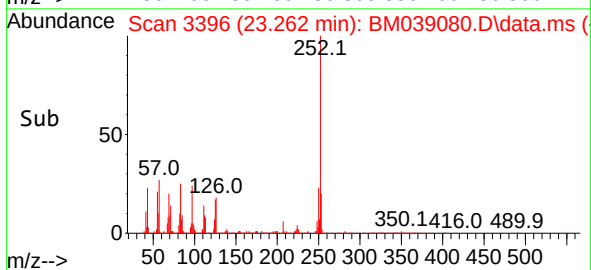
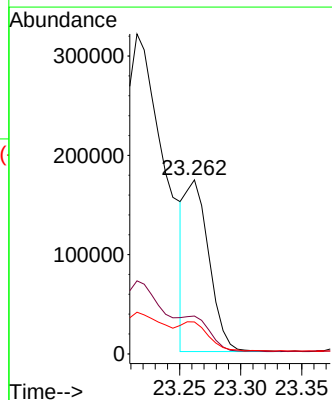
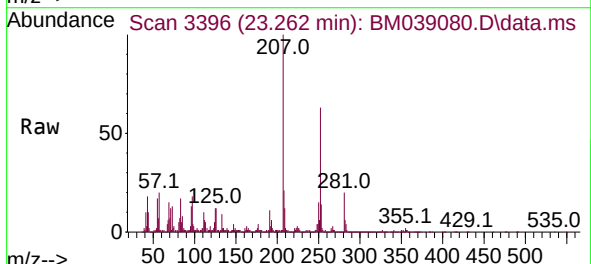
Manual Integrations
APPROVED

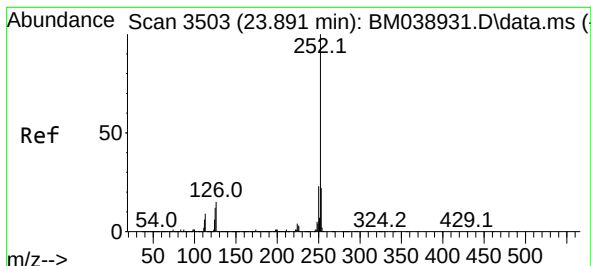
Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#89
Benzo(k)fluoranthene
Concen: 2.584 ng m
RT: 23.262 min Scan# 3396
Delta R.T. -0.006 min
Lab File: BM039080.D
Acq: 21 Mar 2023 22:07

Tgt Ion:252 Resp: 234715
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 18.4 8.9 13.3#





#90

Benzo(a)pyrene

Concen: 5.530 ng

RT: 23.850 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM039080.D

Acq: 21 Mar 2023 22:07

Instrument :

BNA_M

ClientSampleId :

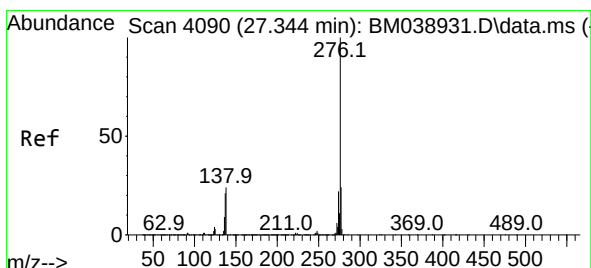
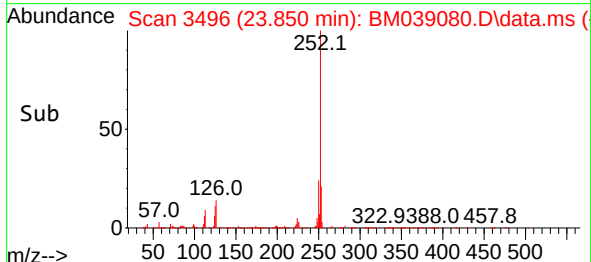
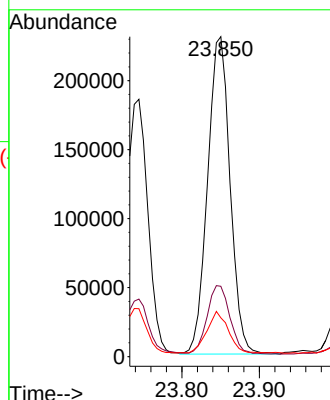
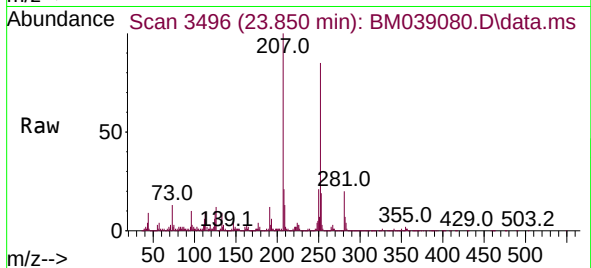
ETGI-352

Tgt Ion:	252	Resp:	464538
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.6	26.4
125	12.1	9.8	14.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/22/2023
Supervised By :Jagrut Upadhyay 03/22/2023



#92

Benzo(g,h,i)perylene

Concen: 4.034 ng

RT: 27.262 min Scan# 4076

Delta R.T. -0.012 min

Lab File: BM039080.D

Acq: 21 Mar 2023 22:07

Tgt Ion:	276	Resp:	347456
Ion Ratio	Lower	Upper	
276	100		
277	23.2	19.3	28.9
138	25.8	19.0	28.6

