

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
 Data File : BM038740.D
 Acq On : 14 Feb 2023 21:17
 Operator : CG/JU
 Sample : 01528-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-03-021023DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/15/2023
 Supervised By : Jagrut Upadhyay 02/17/2023

Quant Time: Feb 15 02:11:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 15 02:07:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.898	152	61528	20.000	ng	0.00
21) Naphthalene-d8	10.710	136	220262	20.000	ng	0.00
39) Acenaphthene-d10	14.539	164	139182	20.000	ng	0.00
64) Phenanthrene-d10	17.286	188	280462	20.000	ng	# 0.00
76) Chrysene-d12	21.462	240	251110	20.000	ng	0.00
86) Perylene-d12	23.838	264	328105	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	22234	7.079	ng	0.00
7) Phenol-d6	7.075	99	22890	6.390	ng	0.00
23) Nitrobenzene-d5	9.075	82	13705	3.534	ng	0.00
42) 2,4,6-Tribromophenol	16.033	330	3841	2.030	ng	0.00
45) 2-Fluorobiphenyl	13.163	172	43995	4.024	ng	0.00
79) Terphenyl-d14	19.897	244	56765	3.989	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.327	178	375202	22.531	ng	100
72) Anthracene	17.415	178	75699	4.443	ng	99
75) Fluoranthene	19.339	202	290592	16.620	ng	98
78) Pyrene	19.703	202	251408	13.004	ng	100
81) Benzo(a)anthracene	21.444	228	108241	6.094	ng	97
83) Chrysene	21.497	228	86978	5.082	ng	96
87) Indeno(1,2,3-cd)pyrene	26.303	276	65879	2.549	ng	98
88) Benzo(b)fluoranthene	23.115	252	117418m	5.975	ng	
89) Benzo(k)fluoranthene	23.162	252	43135m	2.161	ng	
90) Benzo(a)pyrene	23.732	252	89994	4.631	ng	98
92) Benzo(g,h,i)perylene	27.073	276	64716	2.944	ng	96

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

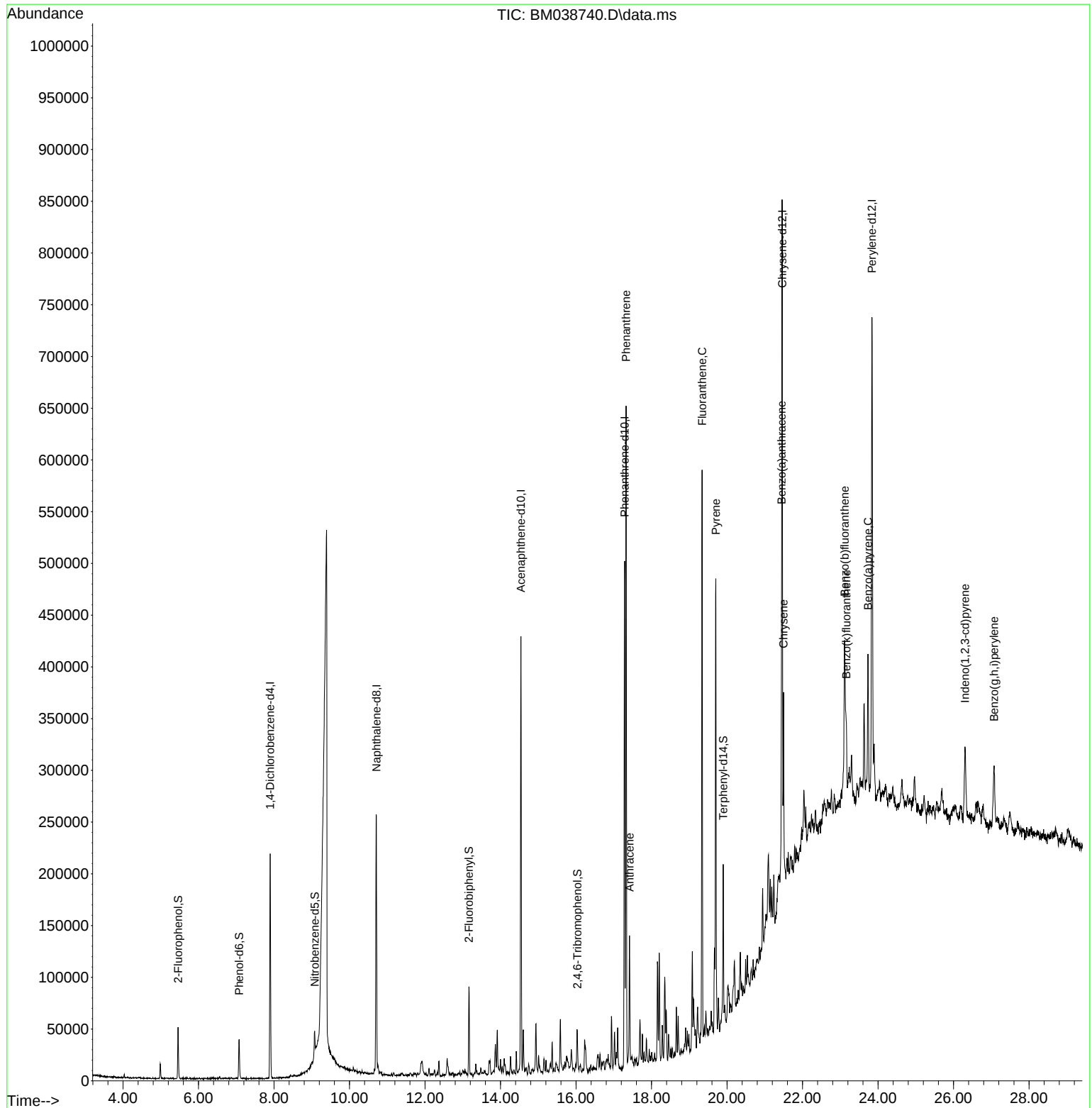
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM021423\
Data File : BM038740.D
Acq On : 14 Feb 2023 21:17
Operator : CG/JU
Sample : 01528-01DL 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

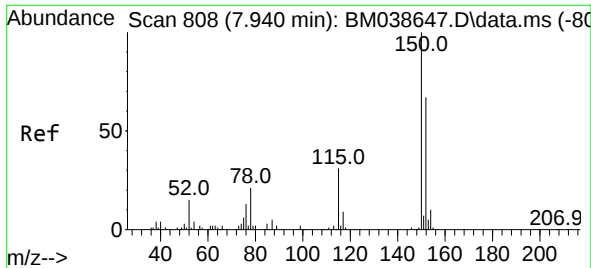
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL

Quant Time: Feb 15 02:11:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 15 02:07:17 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

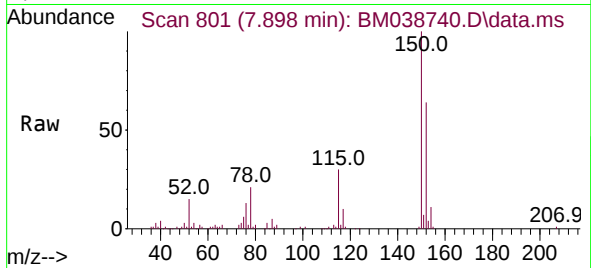
Reviewed By : Christian Giraldo 02/15/2023
Supervised By : Jagrut Upadhyay 02/17/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.898 min Scan# 808
Delta R.T. 0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

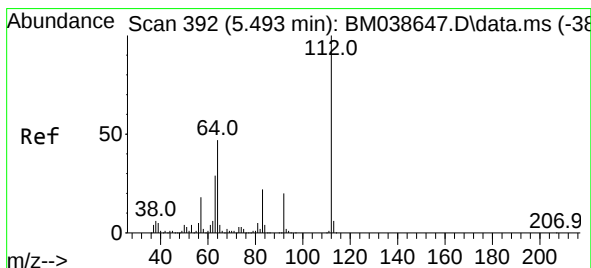
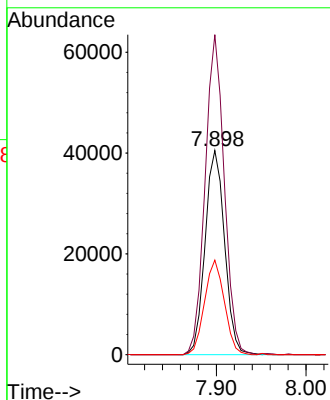
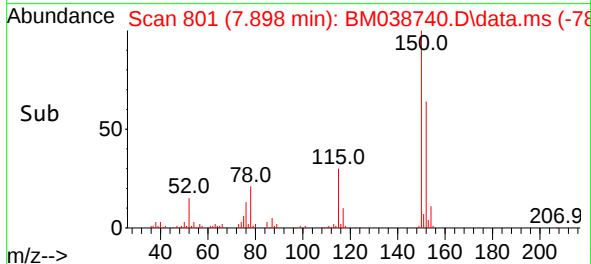
Instrument :
BNA_M
Client Sample Id :
EO-03-021023DL



Tgt Ion:152 Resp: 61528
Ion Ratio Lower Upper
152 100
150 156.8 119.5 179.3
115 46.3 37.6 56.4

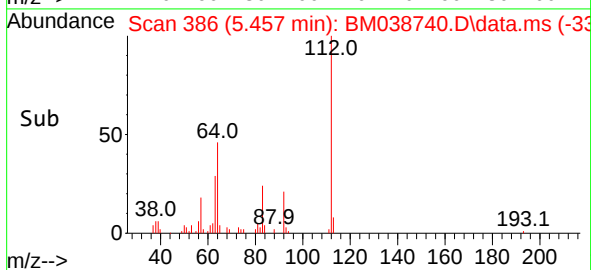
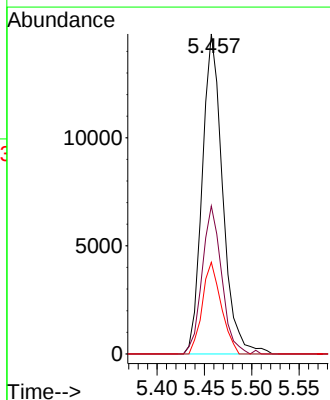
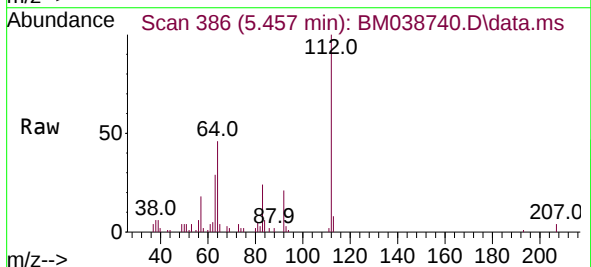
Manual Integrations
APPROVED

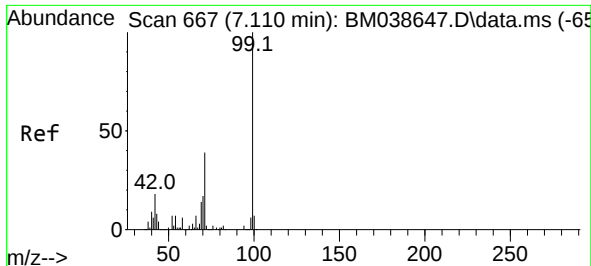
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#5
2-Fluorophenol
Concen: 7.079 ng
RT: 5.457 min Scan# 386
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:112 Resp: 22234
Ion Ratio Lower Upper
112 100
64 46.2 37.9 56.9
63 28.6 23.3 34.9





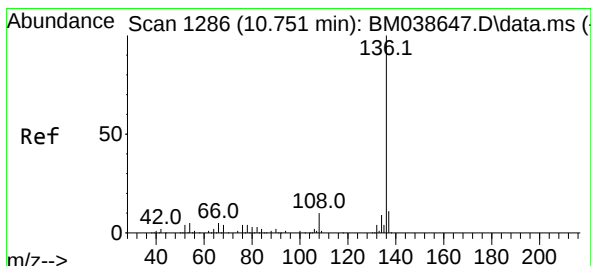
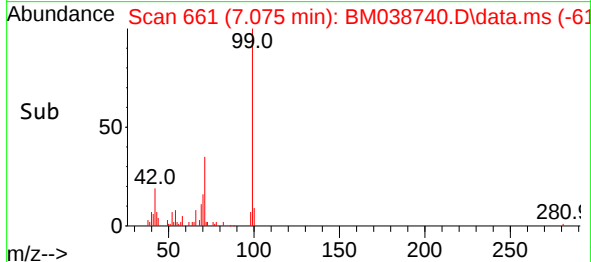
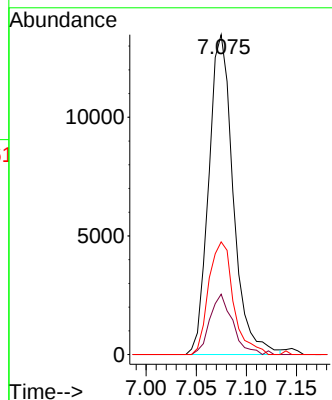
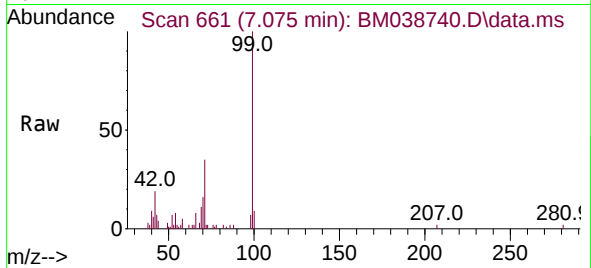
#7
Phenol-d6
Concen: 6.390 ng
RT: 7.075 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL

Tgt Ion: 99 Resp: 22890
Ion Ratio Lower Upper
99 100
42 18.9 14.6 22.0
71 35.2 31.0 46.4

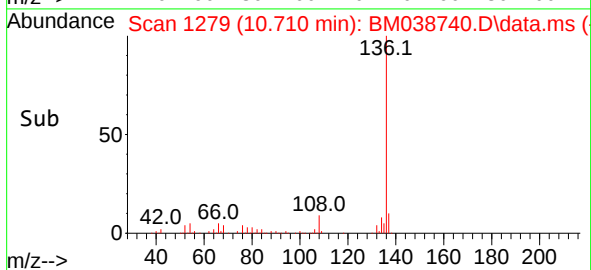
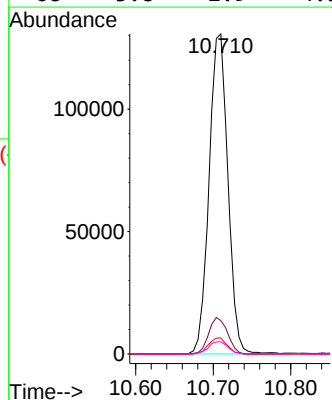
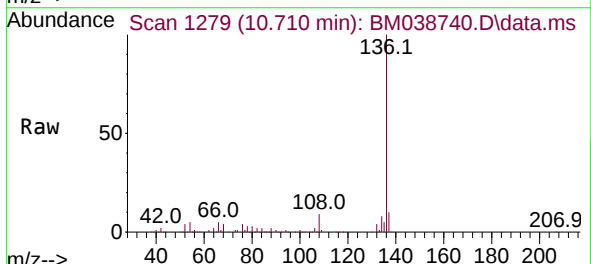
Manual Integrations
APPROVED

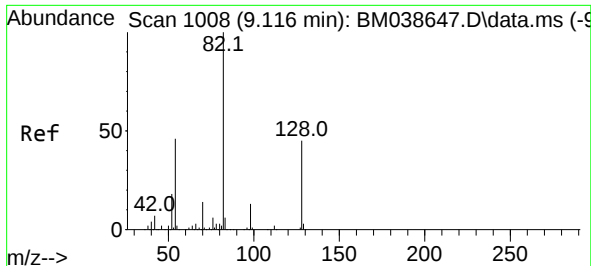
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.710 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:136 Resp: 220262
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 5.0 4.2 6.4
68 3.8 2.9 4.3





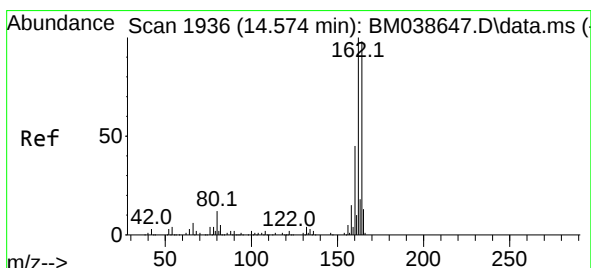
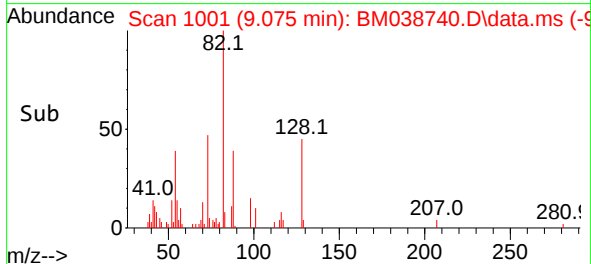
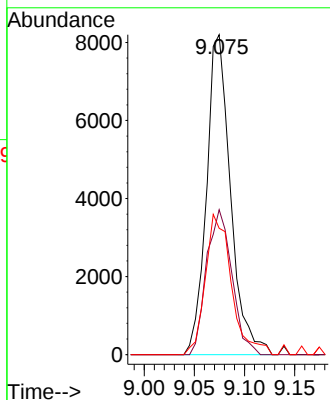
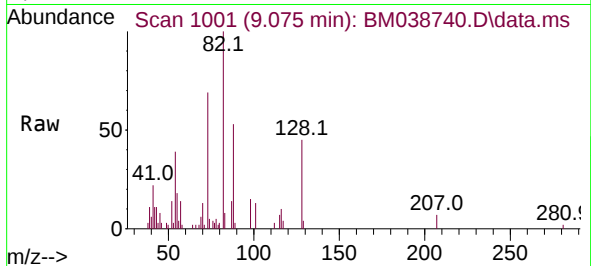
#23
Nitrobenzene-d5
Concen: 3.534 ng
RT: 9.075 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL

Tgt Ion: 82 Resp: 13705
Ion Ratio Lower Upper
82 100
128 45.3 36.0 54.0
54 39.5 36.8 55.2

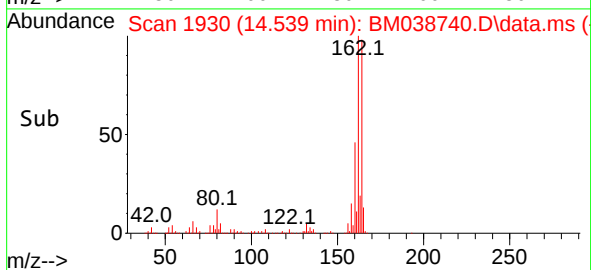
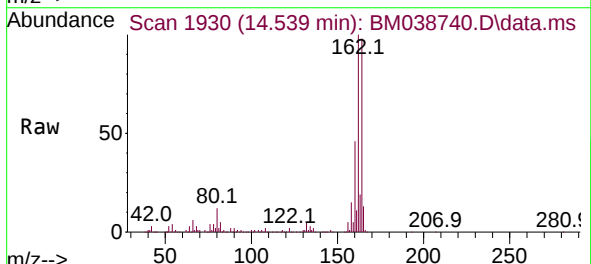
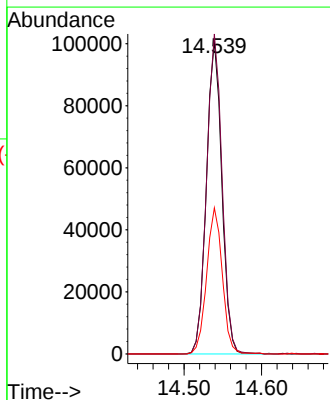
Manual Integrations
APPROVED

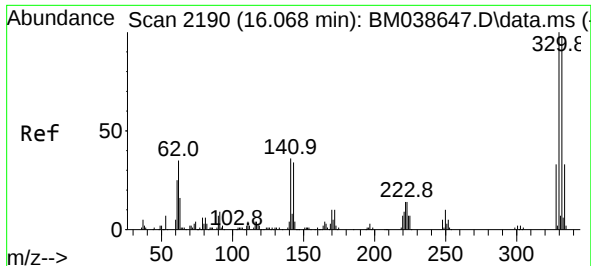
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.539 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

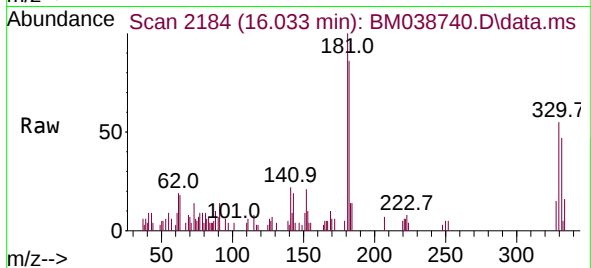
Tgt Ion:164 Resp: 139182
Ion Ratio Lower Upper
164 100
162 102.4 81.4 122.0
160 46.7 36.5 54.7





#42
2,4,6-Tribromophenol
Concen: 2.030 ng
RT: 16.033 min Scan# 2190
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

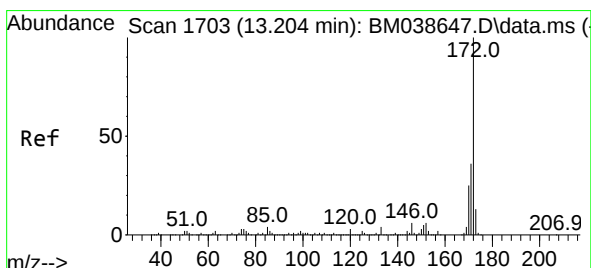
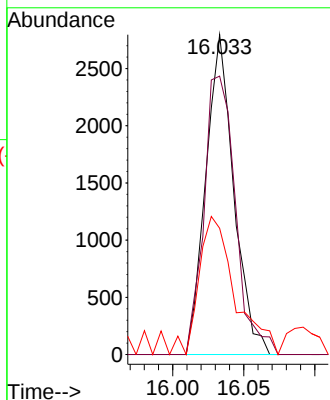
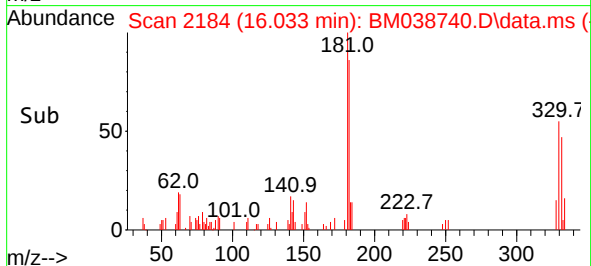
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL



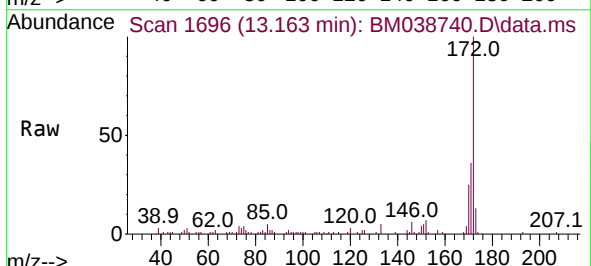
Tgt Ion: 330 Resp: 384
Ion Ratio Lower Upper
330 100
332 98.1 77.8 116.6
141 55.9 31.0 46.6

Manual Integrations
APPROVED

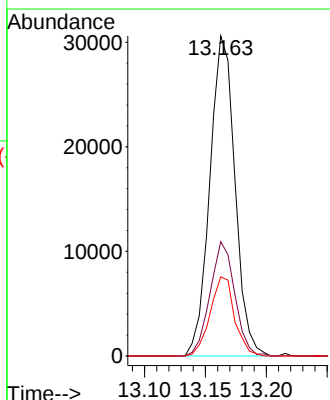
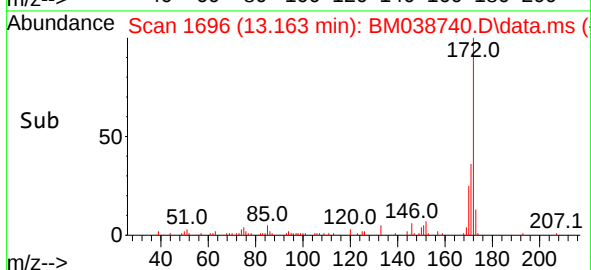
Reviewed By : Christian Giraldo 02/15/2023
Supervised By : Jagrut Upadhyay 02/17/2023

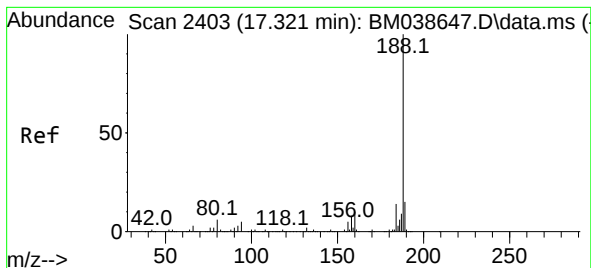


#45
2-Fluorobiphenyl
Concen: 4.024 ng
RT: 13.163 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17



Tgt Ion: 172 Resp: 43995
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 24.7 20.0 30.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.286 min Scan# 2397

Delta R.T. -0.000 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Instrument :

BNA_M

ClientSampleId :

EO-03-021023DL

Tgt Ion:188 Resp: 280462

Ion Ratio Lower Upper

188 100

94 6.6 4.2 6.4

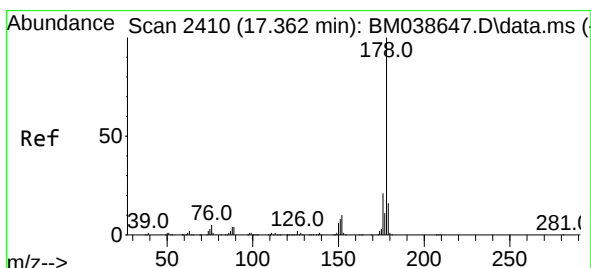
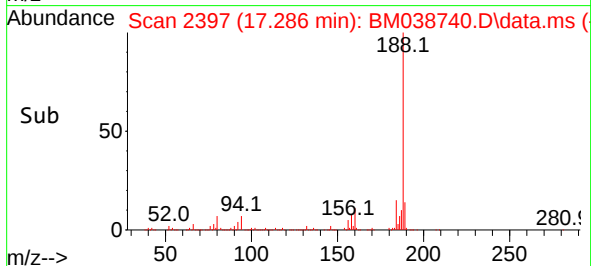
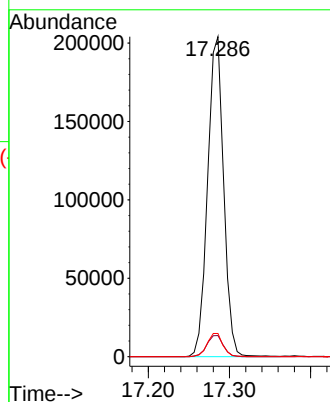
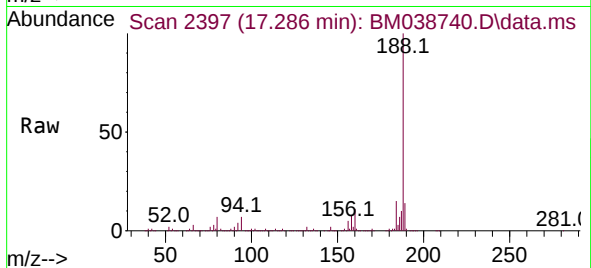
80 7.2 4.6 7.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#71

Phenanthrene

Concen: 22.531 ng

RT: 17.327 min Scan# 2404

Delta R.T. -0.000 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

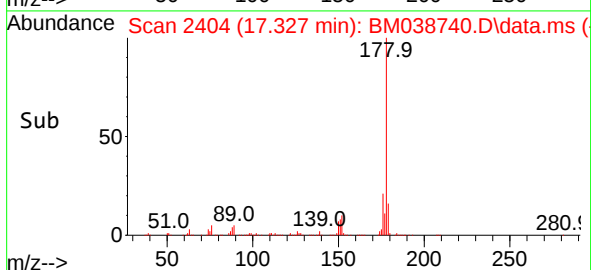
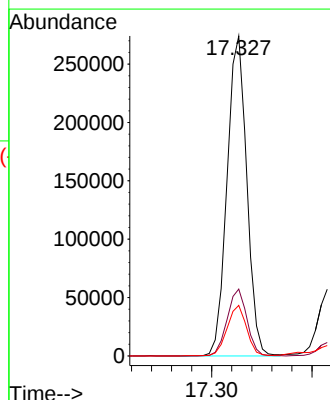
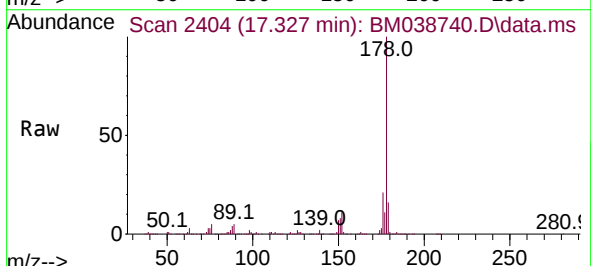
Tgt Ion:178 Resp: 375202

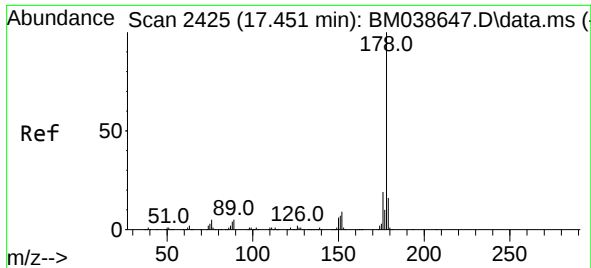
Ion Ratio Lower Upper

178 100

176 20.9 16.7 25.1

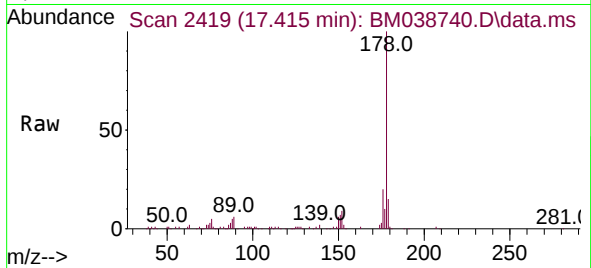
179 15.8 12.5 18.7





#72
 Anthracene
 Concen: 4.443 ng
 RT: 17.415 min Scan# 2425
 Delta R.T. -0.006 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

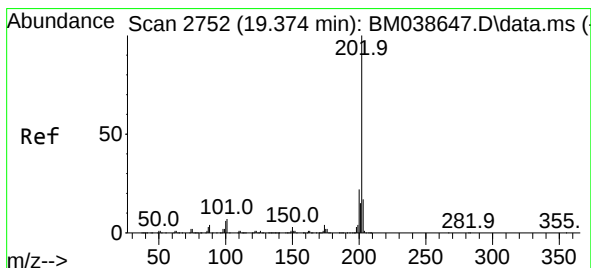
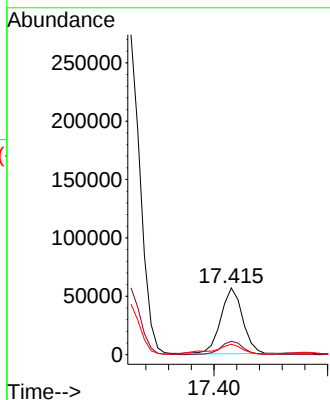
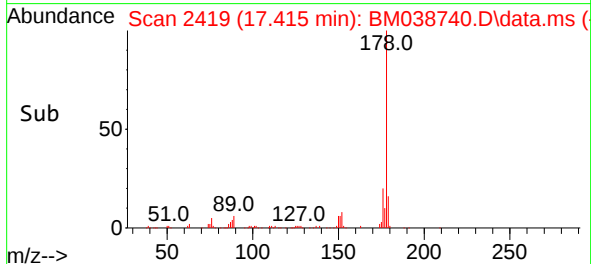
Instrument :
 BNA_M
 ClientSampleId :
 EO-03-021023DL



Tgt Ion:178 Resp: 75699
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.6 23.4
 179 15.5 12.4 18.6

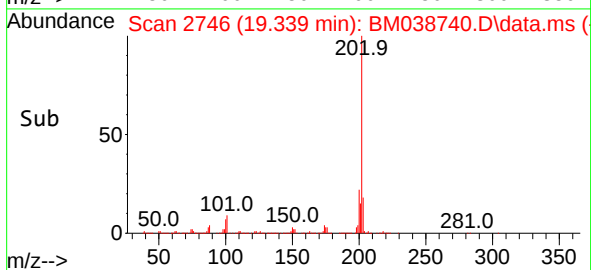
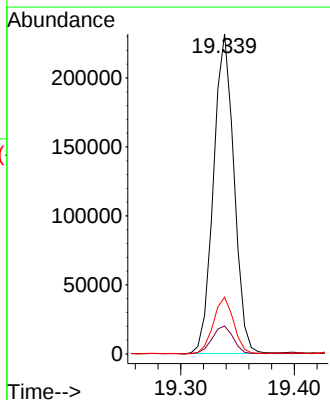
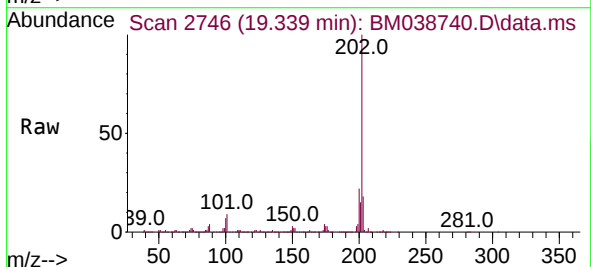
Manual Integrations
 APPROVED

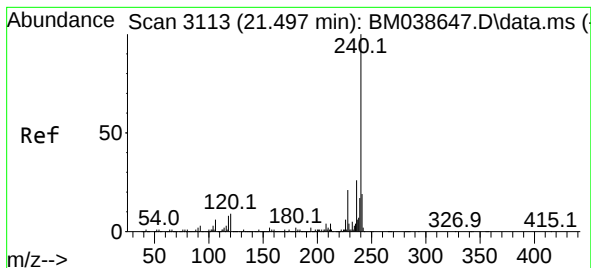
Reviewed By :Christian Giraldo 02/15/2023
 Supervised By :Jagrut Upadhyay 02/17/2023



#75
 Fluoranthene
 Concen: 16.620 ng
 RT: 19.339 min Scan# 2746
 Delta R.T. -0.000 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

Tgt Ion:202 Resp: 290592
 Ion Ratio Lower Upper
 202 100
 101 8.7 0.0 27.4
 203 17.7 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.462 min Scan# 3113

Delta R.T. -0.000 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Instrument :

BNA_M

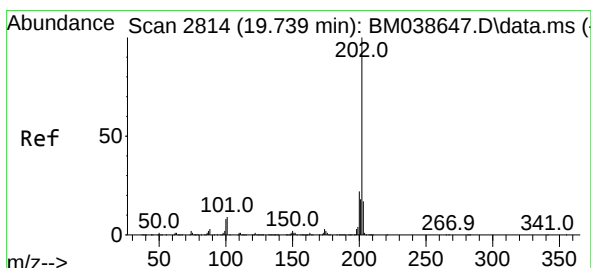
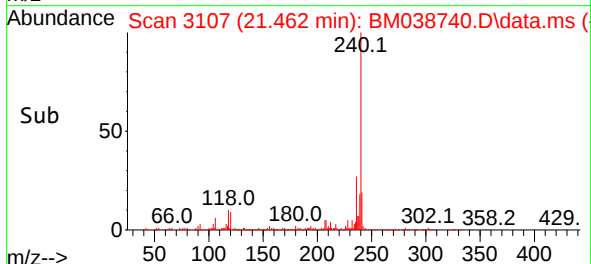
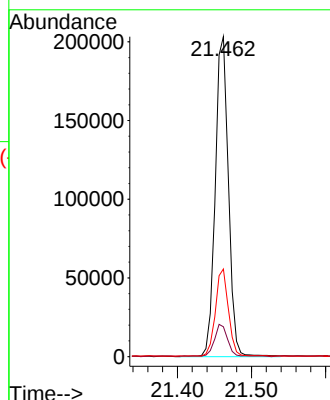
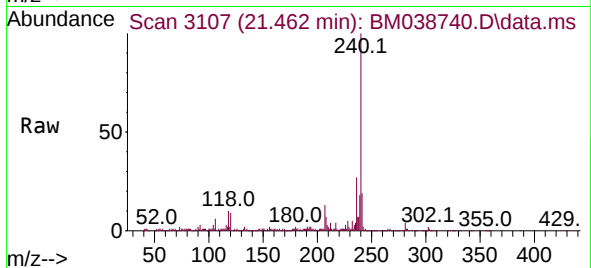
ClientSampleId :

EO-03-021023DL

Tgt Ion:240 Resp: 251110
 Ion Ratio Lower Upper
 240 100
 120 9.3 7.0 10.4
 236 27.4 20.9 31.3

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 02/15/2023
 Supervised By :Jagrut Upadhyay 02/17/2023



#78

Pyrene

Concen: 13.004 ng

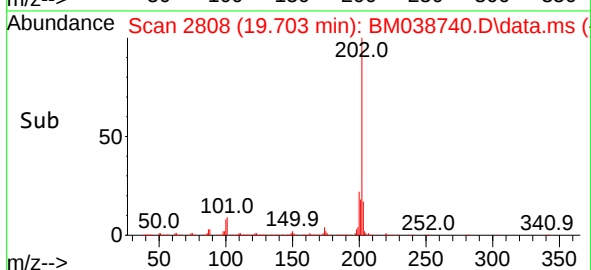
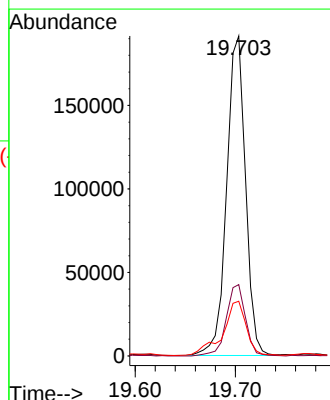
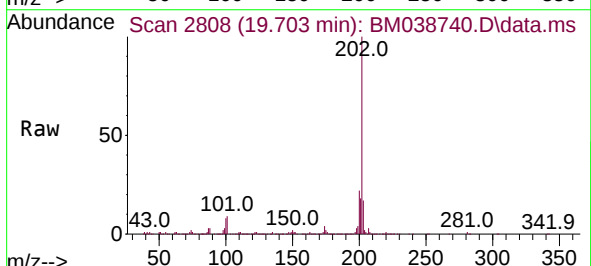
RT: 19.703 min Scan# 2808

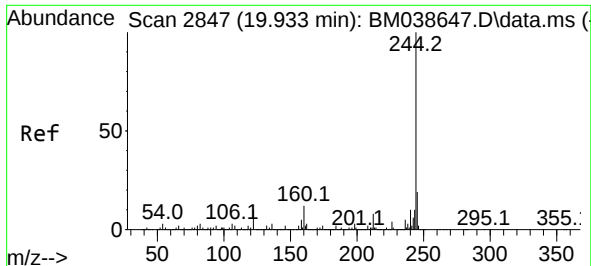
Delta R.T. -0.000 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Tgt Ion:202 Resp: 251408
 Ion Ratio Lower Upper
 202 100
 200 22.3 17.8 26.6
 203 17.1 13.5 20.3





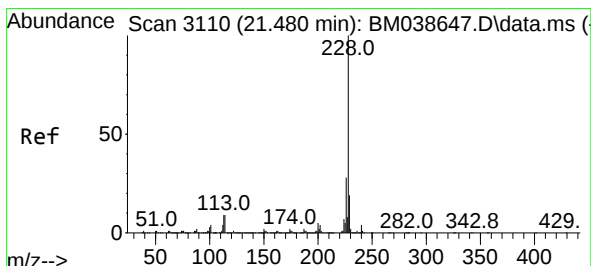
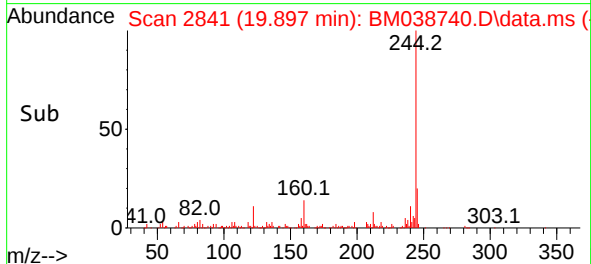
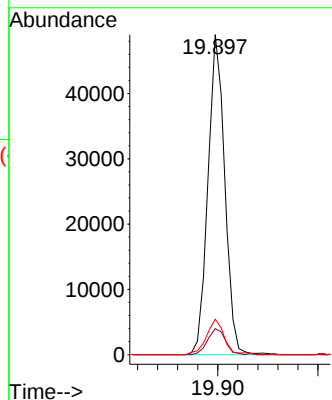
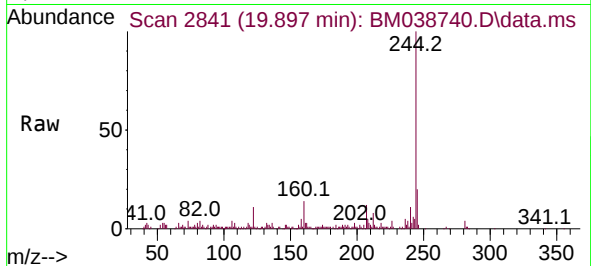
#79
 Terphenyl-d14
 Concen: 3.989 ng
 RT: 19.897 min Scan# 2847
 Delta R.T. -0.006 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

Instrument :
 BNA_M
 ClientSampleId :
 EO-03-021023DL

Tgt Ion:244 Resp: 56765
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 11.1 7.8 11.8

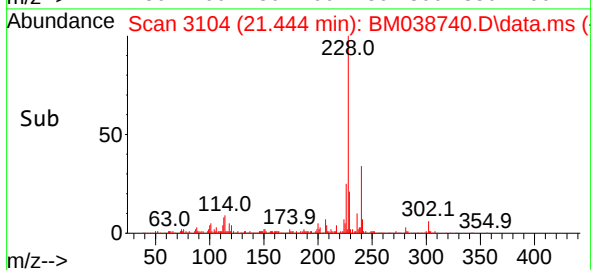
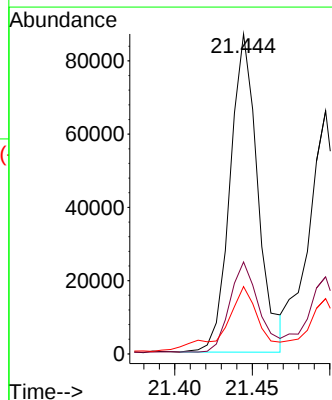
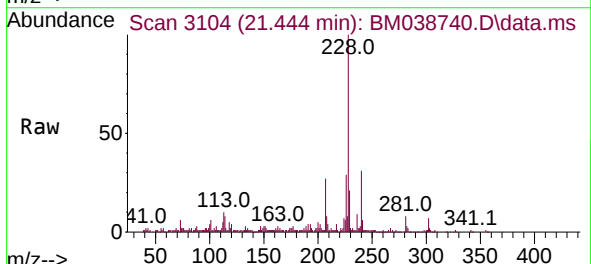
Manual Integrations
 APPROVED

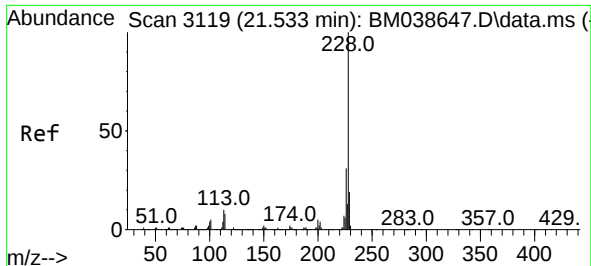
Reviewed By :Christian Giraldo 02/15/2023
 Supervised By :Jagrut Upadhyay 02/17/2023



#81
 Benzo(a)anthracene
 Concen: 6.094 ng
 RT: 21.444 min Scan# 3104
 Delta R.T. -0.000 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

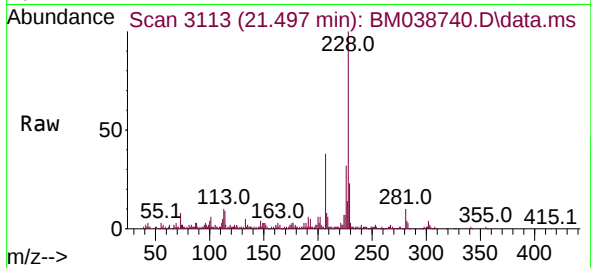
Tgt Ion:228 Resp: 108241
 Ion Ratio Lower Upper
 228 100
 226 28.7 22.2 33.4
 229 21.0 15.5 23.3





#83
Chrysene
Concen: 5.082 ng
RT: 21.497 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

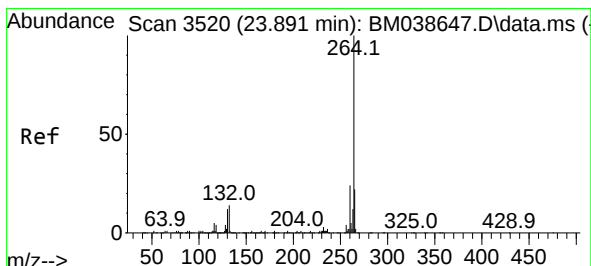
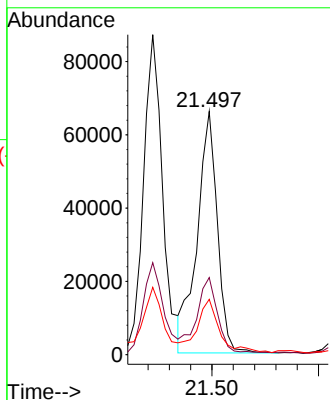
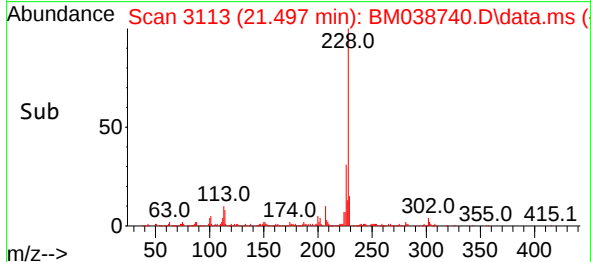
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL



Tgt Ion:228 Resp: 86978
Ion Ratio Lower Upper
228 100
226 31.7 24.7 37.1
229 22.7 15.5 23.3

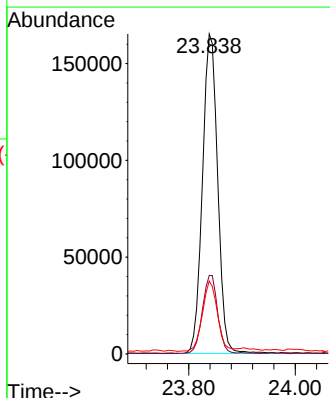
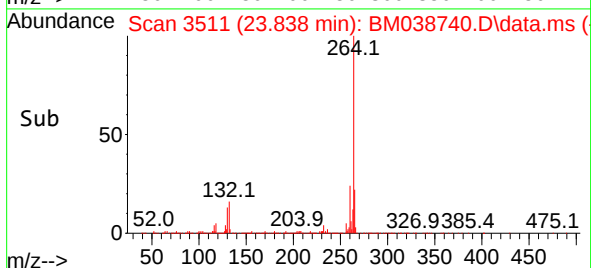
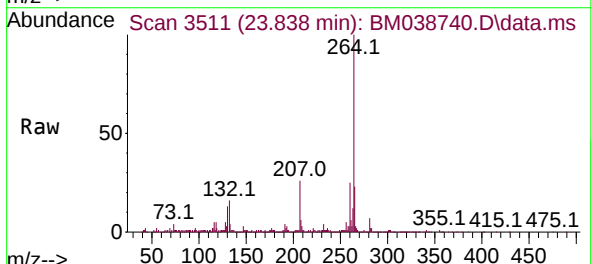
Manual Integrations
APPROVED

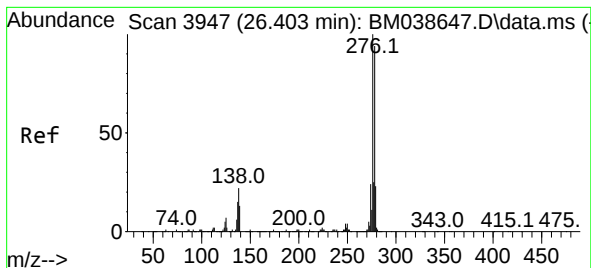
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.838 min Scan# 3511
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

Tgt Ion:264 Resp: 328105
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 22.8 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.549 ng

RT: 26.303 min Scan# 3947

Delta R.T. -0.012 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

Instrument :

BNA_M

ClientSampleId :

EO-03-021023DL

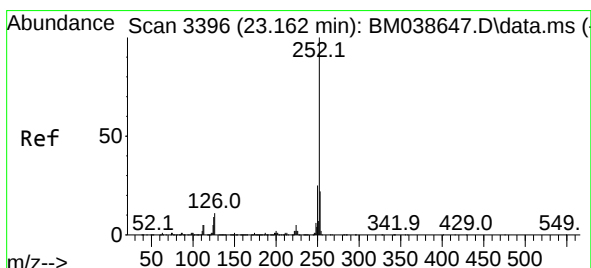
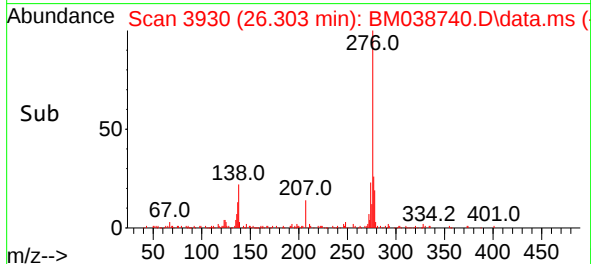
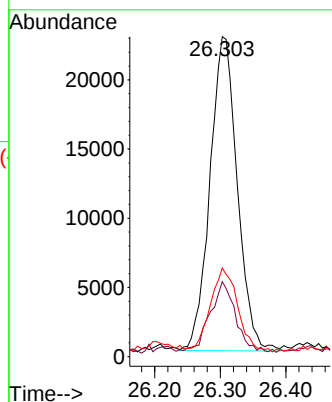
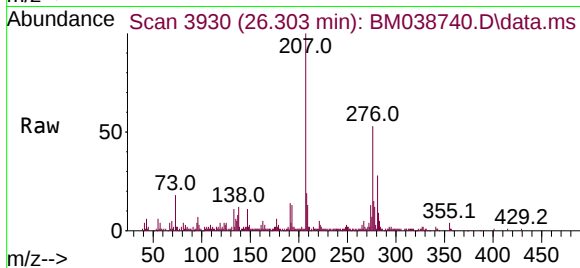
Tgt Ion:	276	Resp:	65879
Ion Ratio	Lower	Upper	
276	100		
138	21.5	17.2	25.8
277	26.9	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/15/2023

Supervised By :Jagrut Upadhyay 02/17/2023



#88

Benzo(b)fluoranthene

Concen: 5.975 ng m

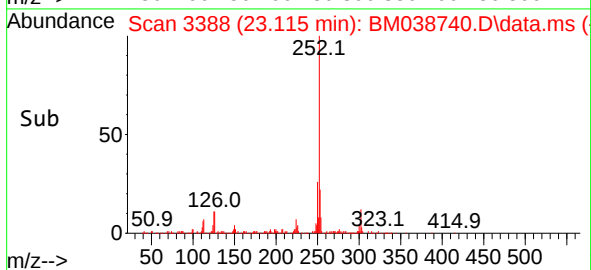
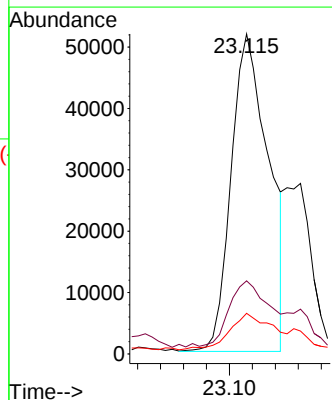
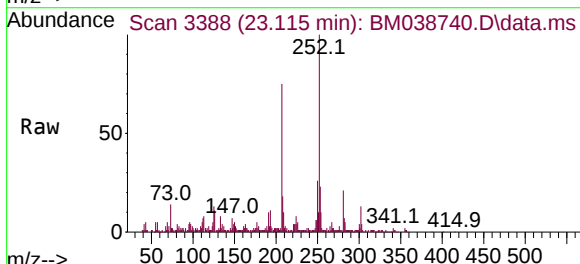
RT: 23.115 min Scan# 3388

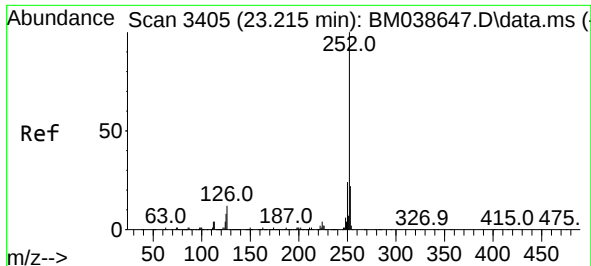
Delta R.T. -0.000 min

Lab File: BM038740.D

Acq: 14 Feb 2023 21:17

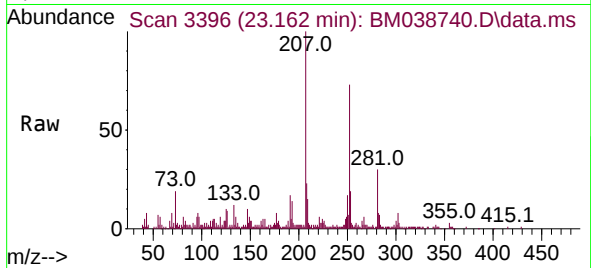
Tgt Ion:	252	Resp:	117418
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.2
125	12.7	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 2.161 ng m
RT: 23.162 min Scan# 3405
Delta R.T. -0.000 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

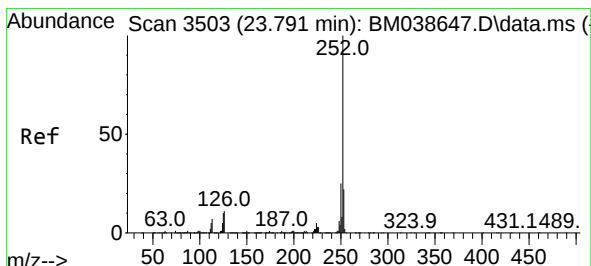
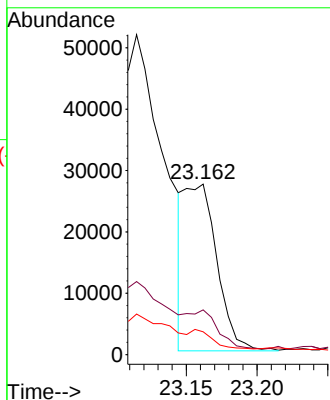
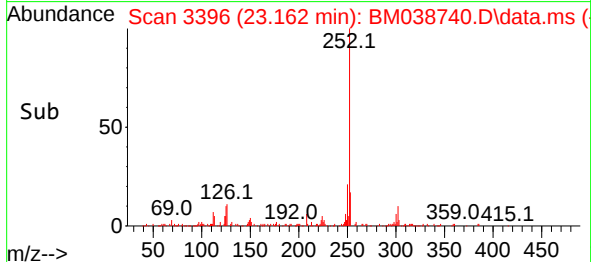
Instrument :
BNA_M
ClientSampleId :
EO-03-021023DL



Tgt Ion:252 Resp: 43135
Ion Ratio Lower Upper
252 100
253 26.2 17.4 26.0
125 13.3 6.6 9.8

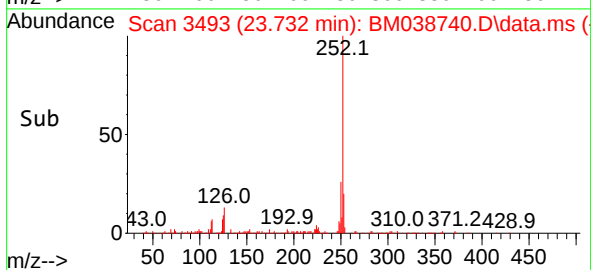
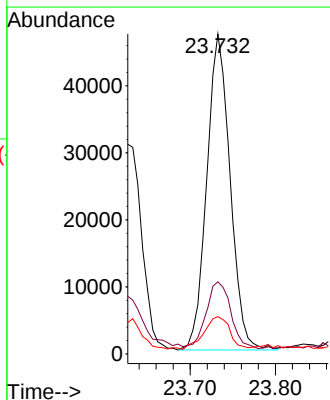
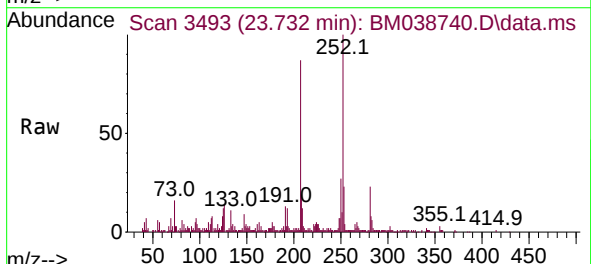
Manual Integrations
APPROVED

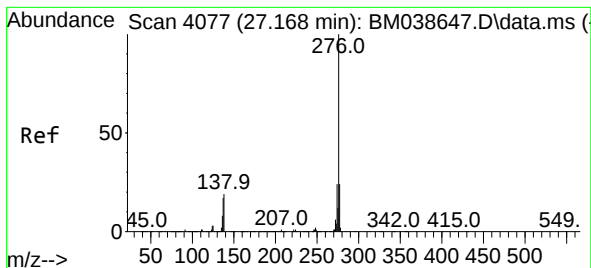
Reviewed By :Christian Giraldo 02/15/2023
Supervised By :Jagrut Upadhyay 02/17/2023



#90
Benzo(a)pyrene
Concen: 4.631 ng
RT: 23.732 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM038740.D
Acq: 14 Feb 2023 21:17

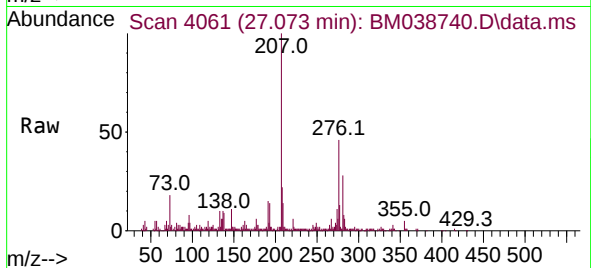
Tgt Ion:252 Resp: 89994
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.6 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 2.944 ng
 RT: 27.073 min Scan# 4061
 Delta R.T. -0.006 min
 Lab File: BM038740.D
 Acq: 14 Feb 2023 21:17

Instrument :
 BNA_M
 ClientSampleId :
 EO-03-021023DL



Tgt Ion: 276 Resp: 64716
 Ion Ratio Lower Upper
 276 100
 277 27.5 19.1 28.7
 138 19.5 15.3 22.9

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/15/2023
 Supervised By : Jagrut Upadhyay 02/17/2023

