

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
 Data File : BM039238.D
 Acq On : 30 Mar 2023 22:12
 Operator : CG/JU
 Sample : 02023-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-12-TEST-PIT-ON-OCEAN

Quant Time: Mar 31 02:43:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 30 05:15:45 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 03/31/2023
 Supervised By :Jagrut Upadhyay 03/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	219565	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	833402	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	446532	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	887906	20.000	ng	0.00
76) Chrysene-d12	21.497	240	888686	20.000	ng	0.00
86) Perylene-d12	23.909	264	1078288	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1387902	95.235	ng	0.00
7) Phenol-d6	7.087	99	1737466	92.175	ng	-0.01
23) Nitrobenzene-d5	9.092	82	1064668	62.089	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	500960	88.379	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	2014605	61.129	ng	0.00
79) Terphenyl-d14	19.939	244	2707328	56.285	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.292	152	146690	3.343	ng	98
71) Phenanthrene	17.356	178	159482	3.280	ng	99
72) Anthracene	17.451	178	101105	2.039	ng	99
75) Fluoranthene	19.374	202	264426	4.770	ng	99
78) Pyrene	19.733	202	532227	8.413	ng	99
81) Benzo(a)anthracene	21.480	228	212786	3.395	ng	96
83) Chrysene	21.533	228	212388	3.510	ng	99
88) Benzo(b)fluoranthene	23.174	252	284428m	4.311	ng	
90) Benzo(a)pyrene	23.803	252	275944	4.257	ng	97
92) Benzo(g,h,i)perylene	27.179	276	169606	2.585	ng	97

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

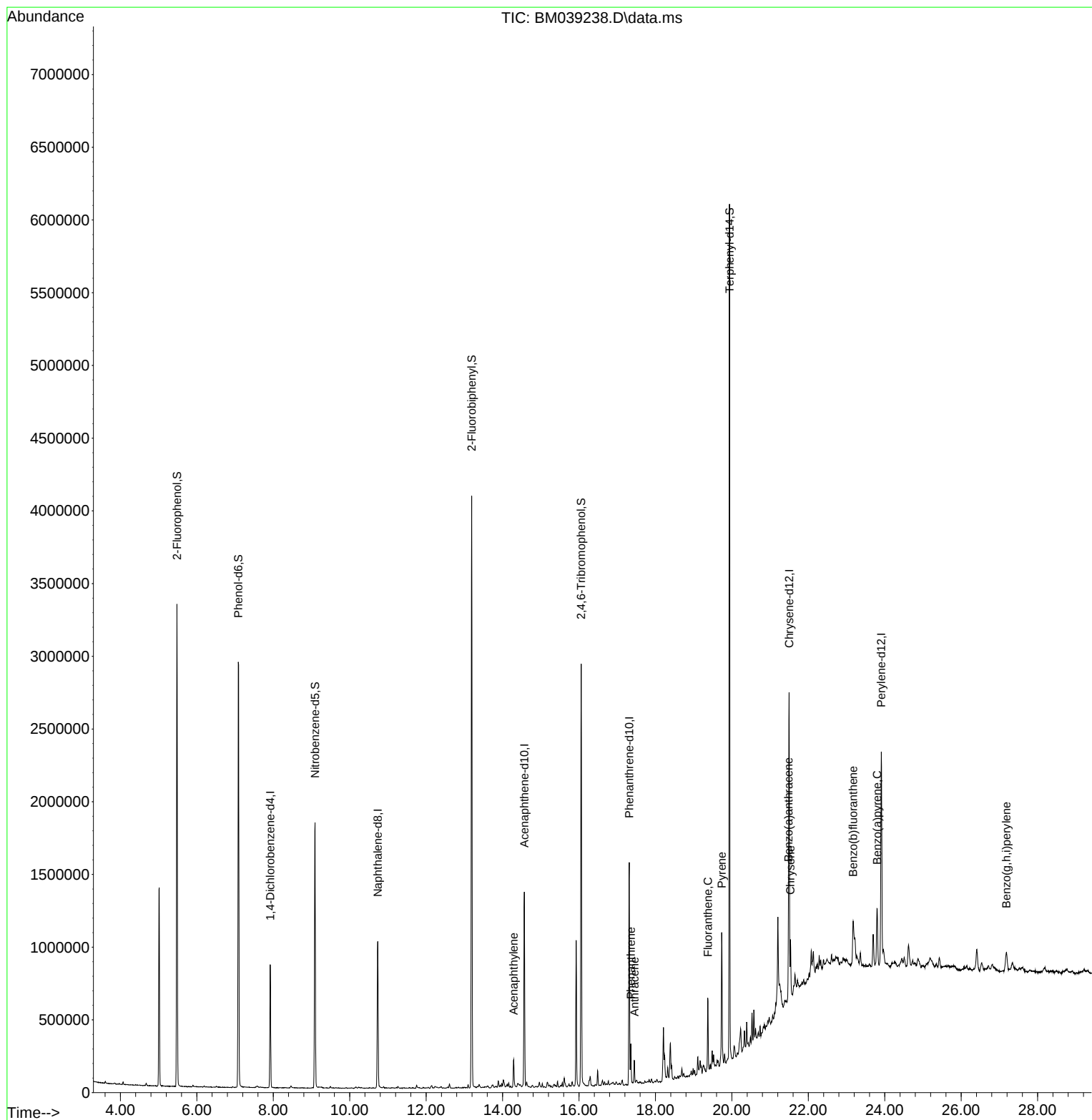
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Data File : BM039238.D
Acq On : 30 Mar 2023 22:12
Operator : CG/JU
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ALS Vial : 13 Sample Multiplier: 1

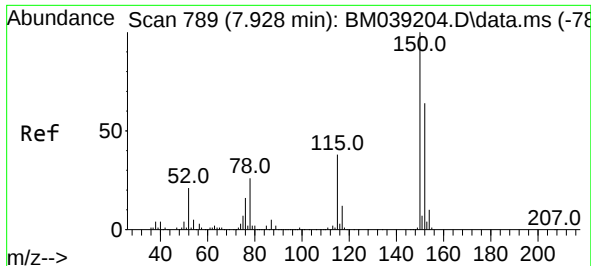
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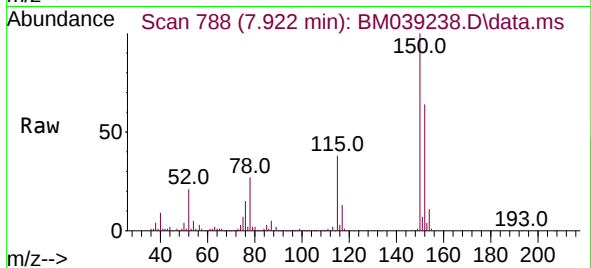
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 789
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

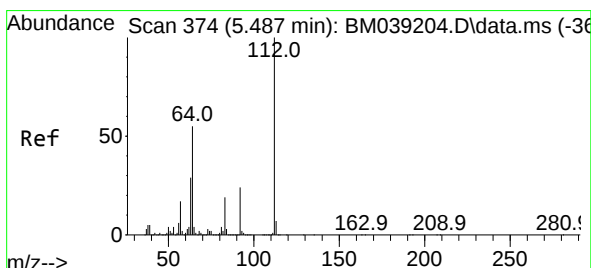
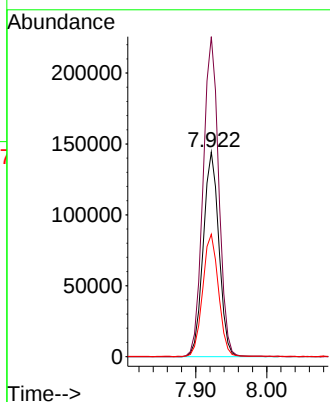
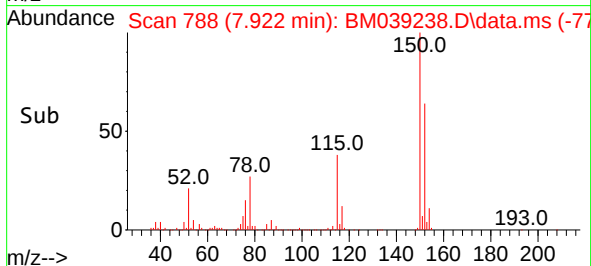
Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN



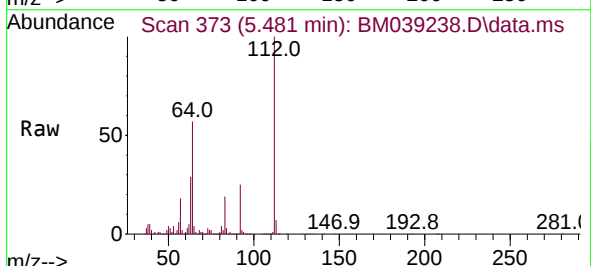
Tgt Ion:152 Resp: 21956
Ion Ratio Lower Upper
152 100
150 156.4 125.5 188.3
115 59.8 48.1 72.1

Manual Integrations
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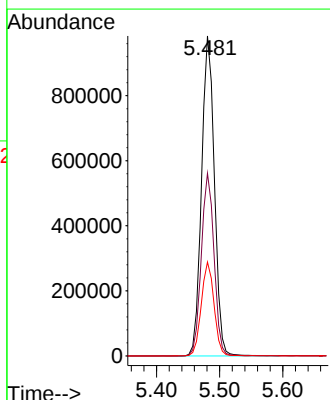
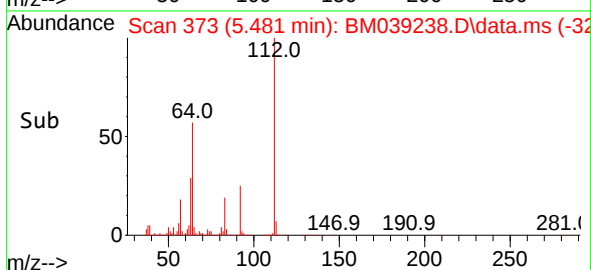
Reviewed By :Christian Giraldo 03/31/2023
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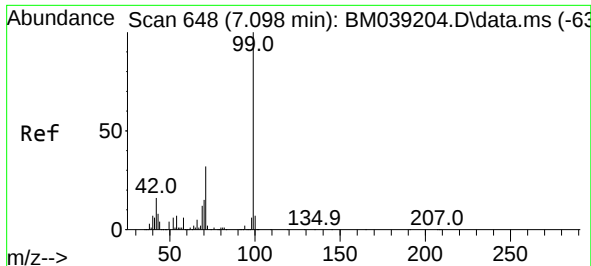


#5
2-Fluorophenol
Concen: 95.235 ng
RT: 5.481 min Scan# 373
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12



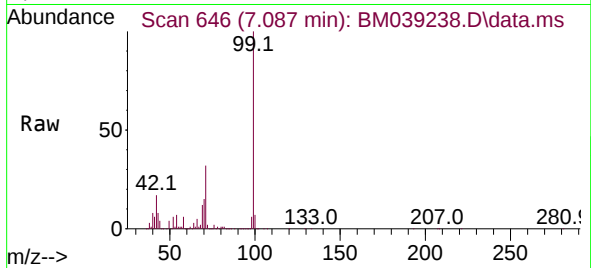
Tgt Ion:112 Resp: 1387902
Ion Ratio Lower Upper
112 100
64 57.1 44.3 66.5
63 29.3 23.0 34.6





#7
Phenol-d6
Concen: 92.175 ng
RT: 7.087 min Scan# 648
Delta R.T. -0.012 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

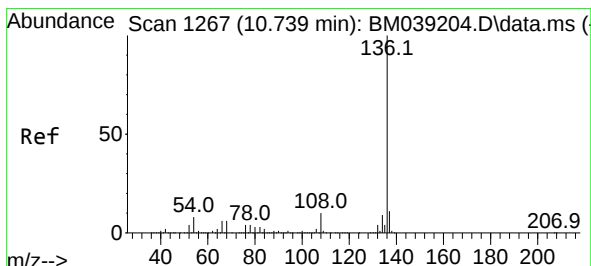
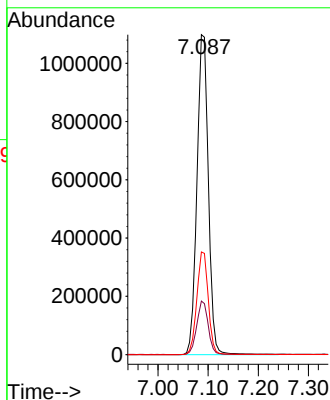
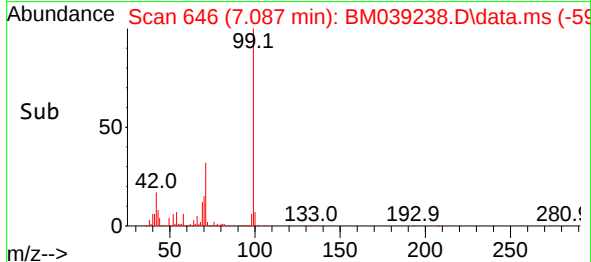
Instrument :
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ClientSampleId :
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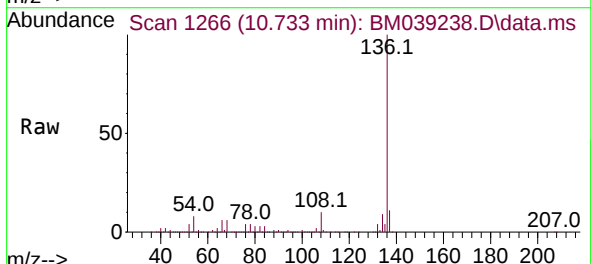
Tgt Ion: 99 Resp: 1737466
Ion Ratio Lower Upper
99 100
42 16.7 13.0 19.6
71 32.1 25.5 38.3

Manual Integrations
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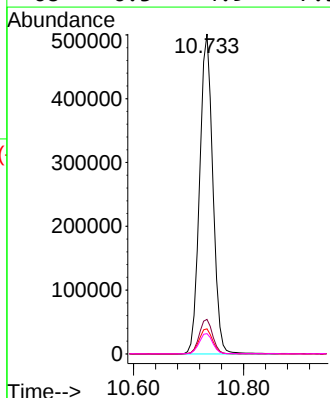
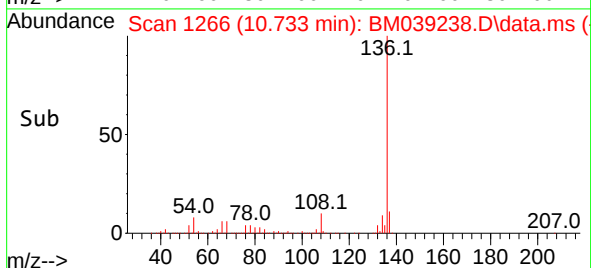
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023

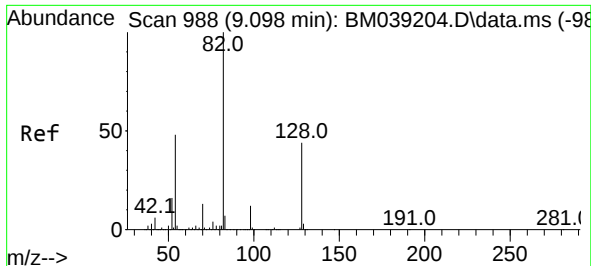


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12



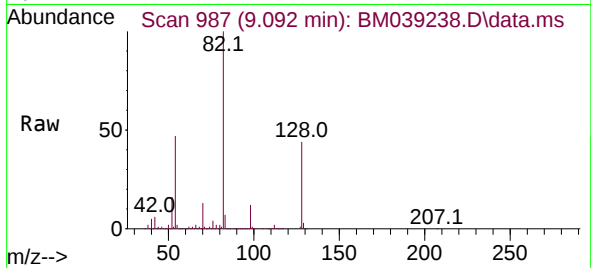
Tgt Ion:136 Resp: 833402
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 7.8 6.2 9.4
68 6.3 4.9 7.3





#23
Nitrobenzene-d5
Concen: 62.089 ng
RT: 9.092 min Scan# 988
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

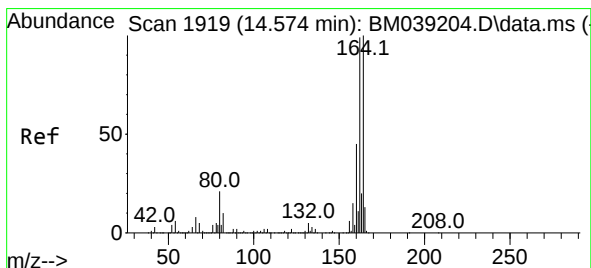
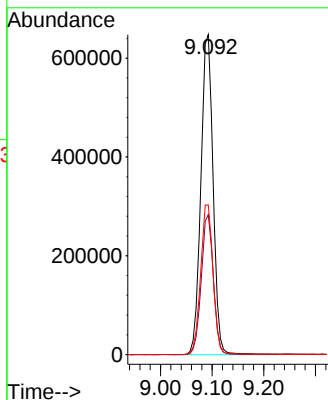
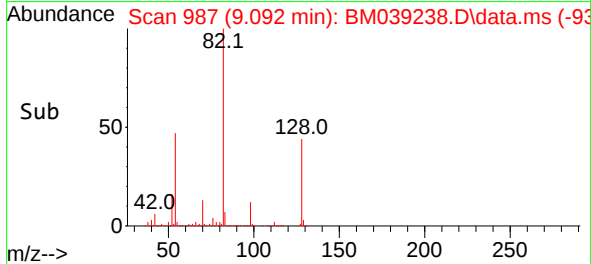
Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN



Tgt Ion: 82 Resp: 1064668
Ion Ratio Lower Upper
82 100
128 43.7 35.1 52.7
54 46.8 38.5 57.7

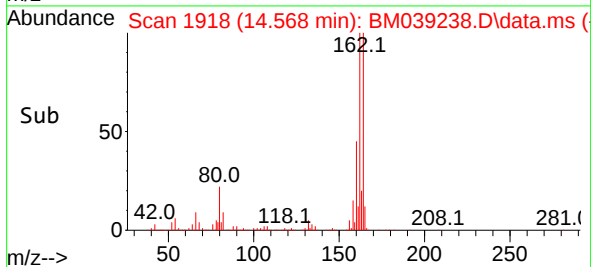
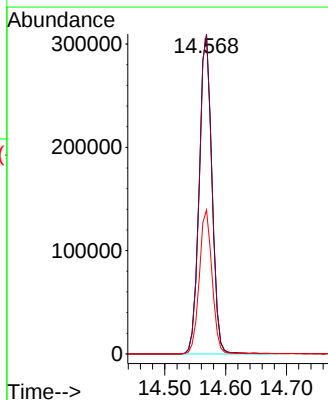
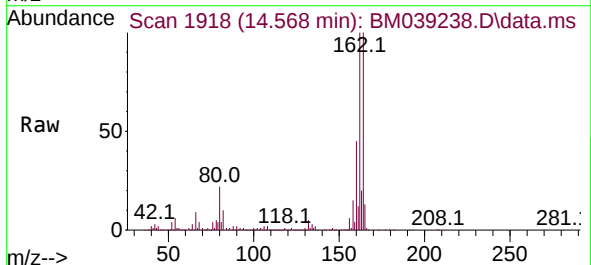
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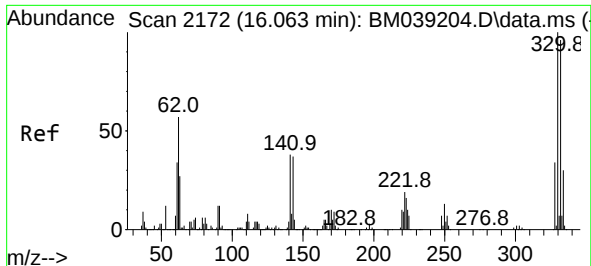
Reviewed By :Christian Giraldo 03/31/2023
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

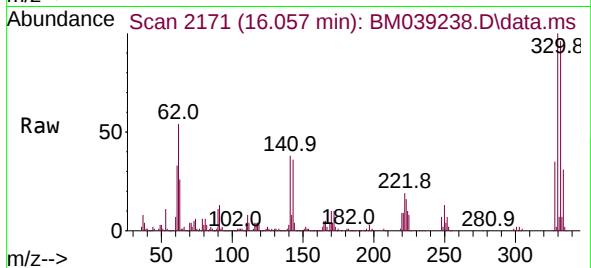
Tgt Ion:164 Resp: 446532
Ion Ratio Lower Upper
164 100
162 100.3 79.1 118.7
160 45.1 35.8 53.8





#42
2,4,6-Tribromophenol
Concen: 88.379 ng
RT: 16.057 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

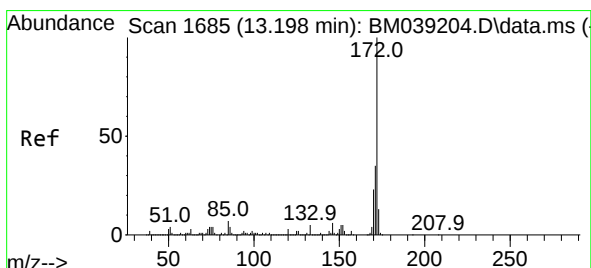
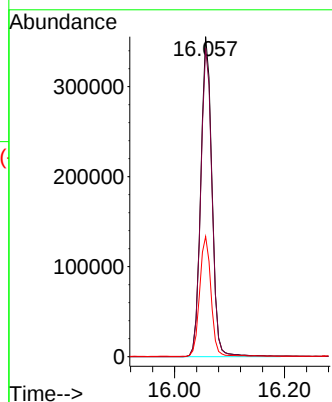
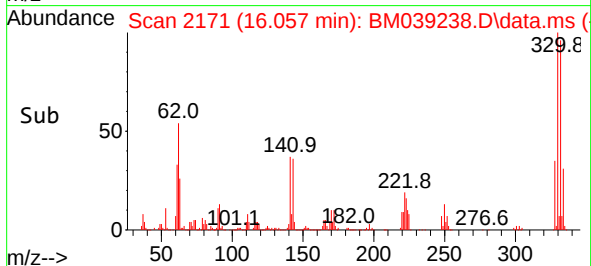
Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN



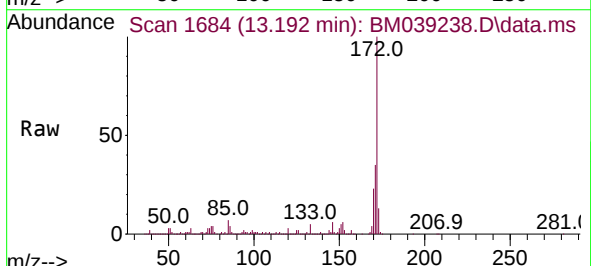
Tgt Ion:330 Resp: 500960
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 37.8 29.8 44.6

Manual Integrations
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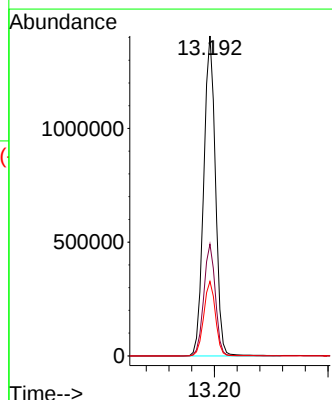
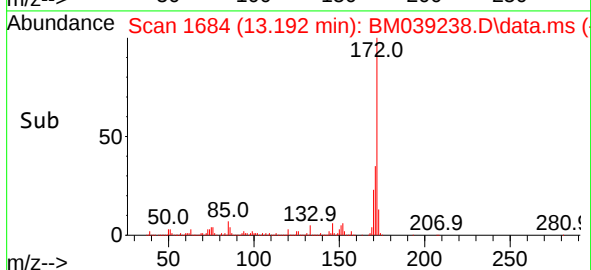
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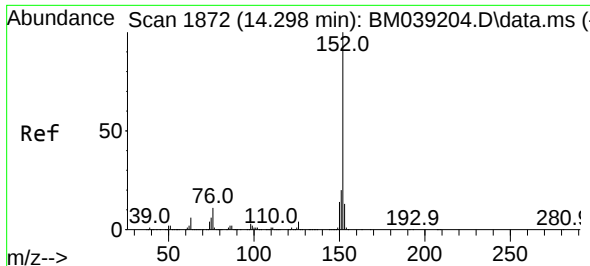


#45
2-Fluorobiphenyl
Concen: 61.129 ng
RT: 13.192 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12



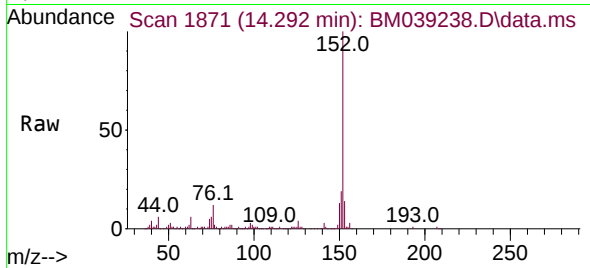
Tgt Ion:172 Resp: 2014605
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 23.3 18.7 28.1





#49
Acenaphthylene
Concen: 3.343 ng
RT: 14.292 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

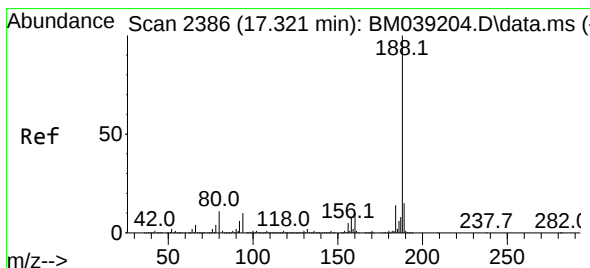
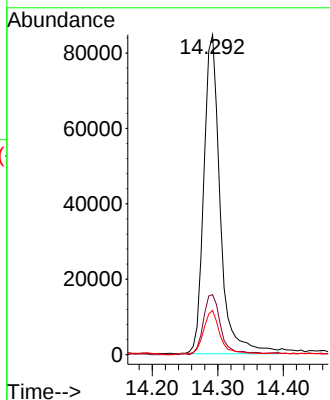
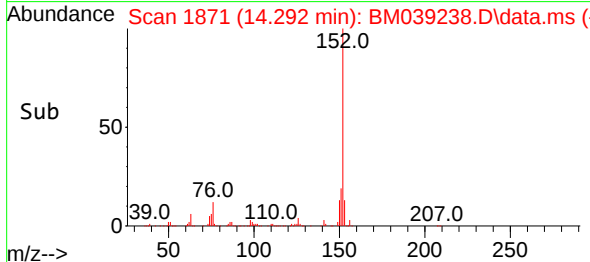
Instrument :
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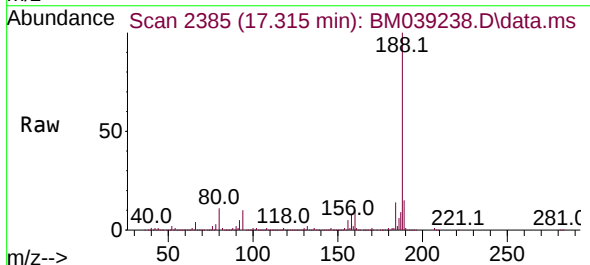
Tgt Ion:152 Resp: 146690
Ion Ratio Lower Upper
152 100
151 18.7 15.7 23.5
153 13.8 10.3 15.5

Manual Integrations
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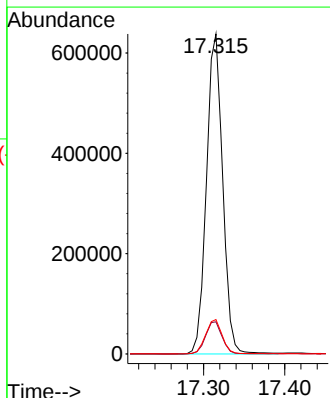
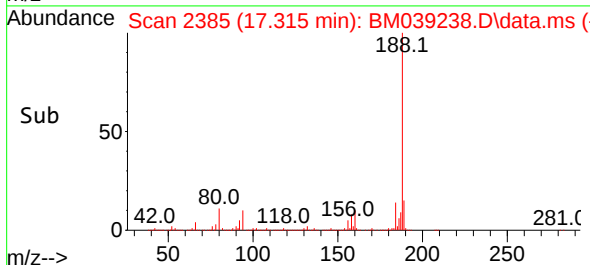
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023

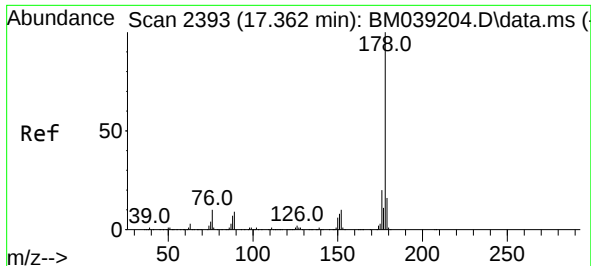


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.315 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12



Tgt Ion:188 Resp: 887906
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.4
80 10.7 8.9 13.3





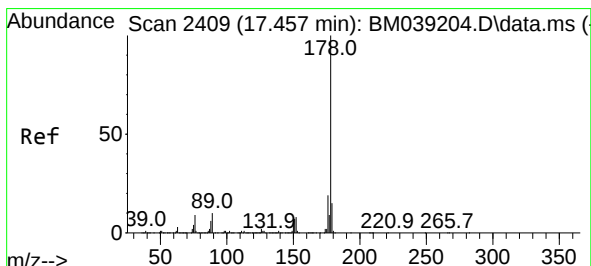
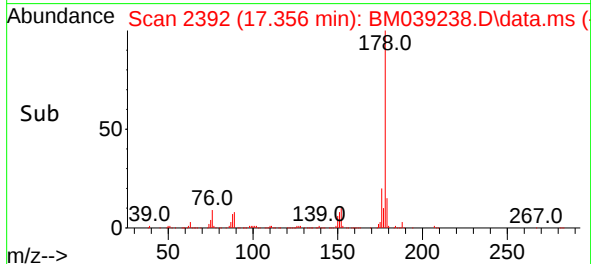
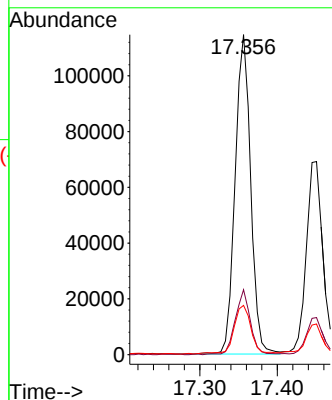
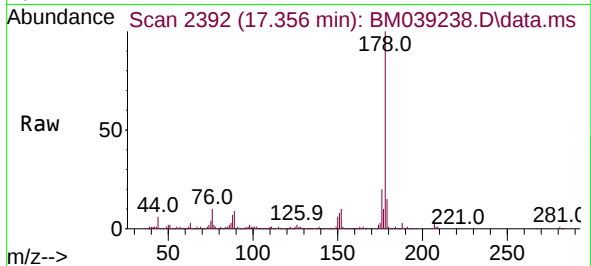
#71
Phenanthrene
Concen: 3.280 ng
RT: 17.356 min Scan# 2393
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

Tgt Ion:178 Resp: 159482
Ion Ratio Lower Upper
178 100
176 20.3 15.7 23.5
179 15.4 12.4 18.6

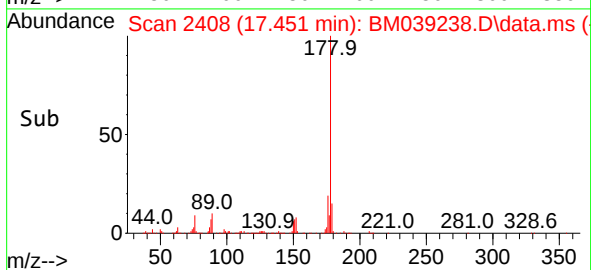
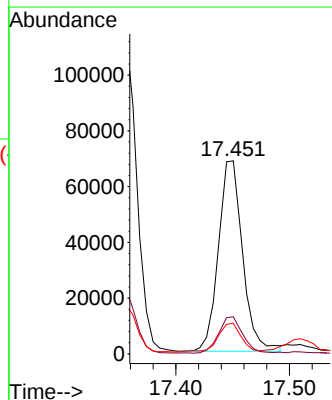
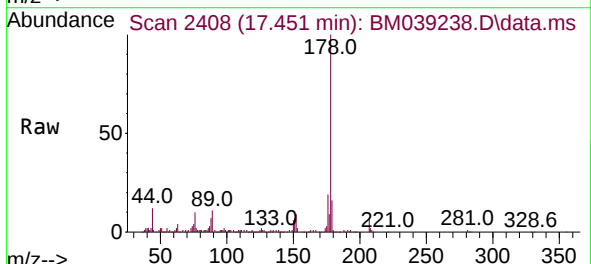
Manual Integrations
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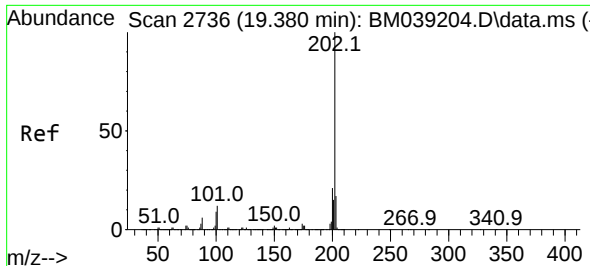
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#72
Anthracene
Concen: 2.039 ng
RT: 17.451 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

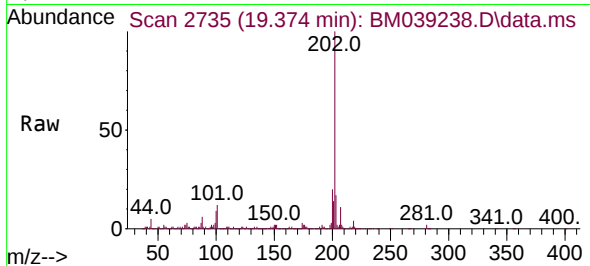
Tgt Ion:178 Resp: 101105
Ion Ratio Lower Upper
178 100
176 19.2 14.9 22.3
179 15.8 12.2 18.2





#75
Fluoranthene
Concen: 4.770 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

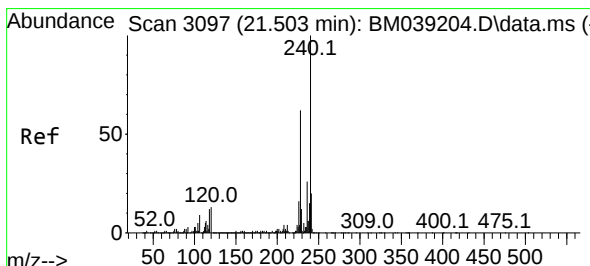
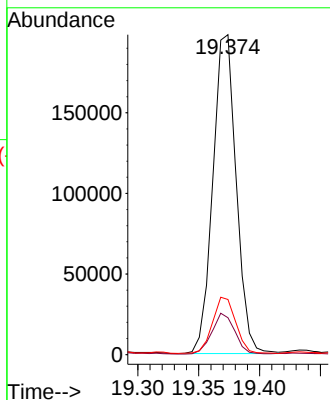
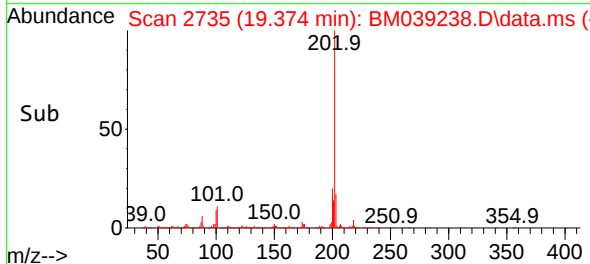
Instrument :
BNA_M
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Tgt Ion:202 Resp: 264426
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.5
203 17.2 0.0 37.5

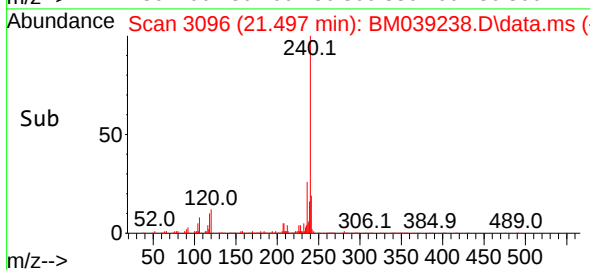
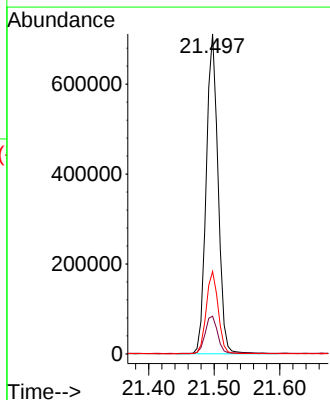
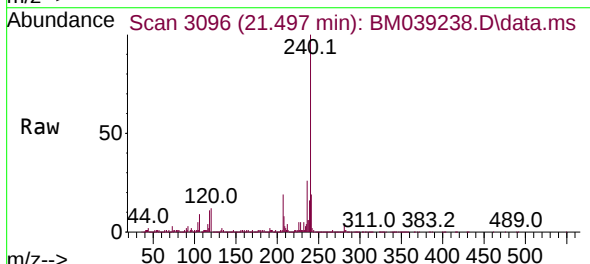
Manual Integrations
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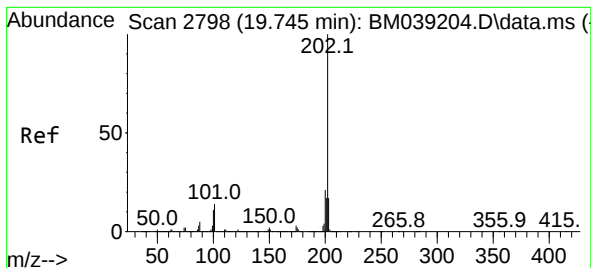
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.497 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

Tgt Ion:240 Resp: 888686
Ion Ratio Lower Upper
240 100
120 11.8 10.2 15.2
236 25.8 20.9 31.3





#78

Pyrene

Concen: 8.413 ng

RT: 19.733 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

Instrument :

BNA_M

ClientSampleId :

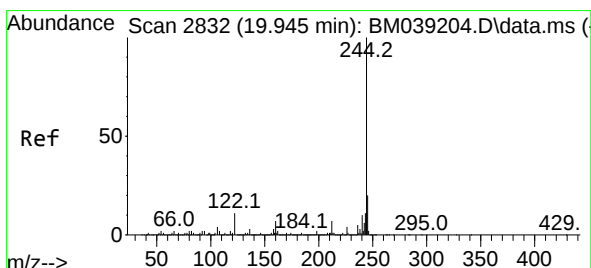
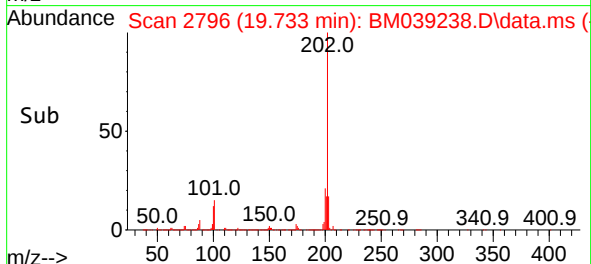
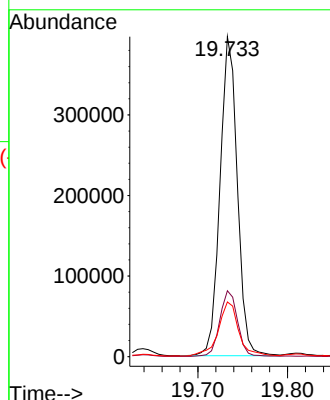
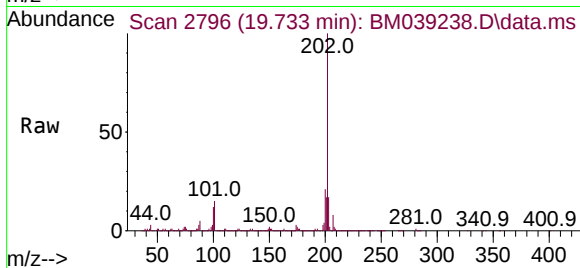
TP-12-TEST-PIT-ON-OCEAN

Tgt Ion:202 Resp: 532227
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.1 25.7
 203 17.1 13.9 20.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/31/2023
 Supervised By :Jagrut Upadhyay 03/31/2023



#79

Terphenyl-d14

Concen: 56.285 ng

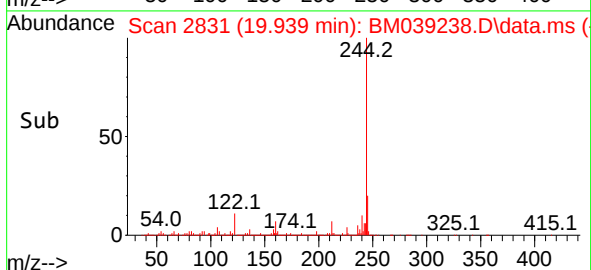
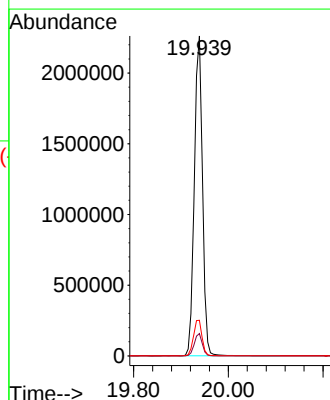
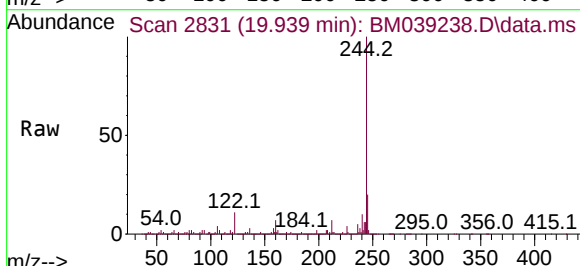
RT: 19.939 min Scan# 2831

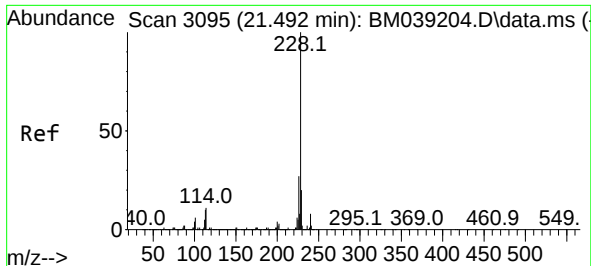
Delta R.T. -0.006 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

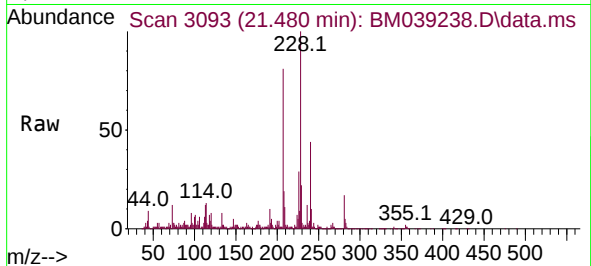
Tgt Ion:244 Resp: 2707328
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.2 9.1 13.7





#81
Benzo(a)anthracene
Concen: 3.395 ng
RT: 21.480 min Scan# 3095
Delta R.T. -0.012 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

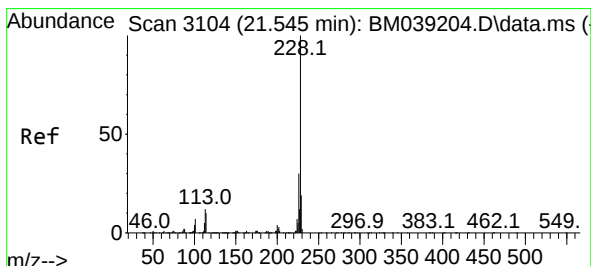
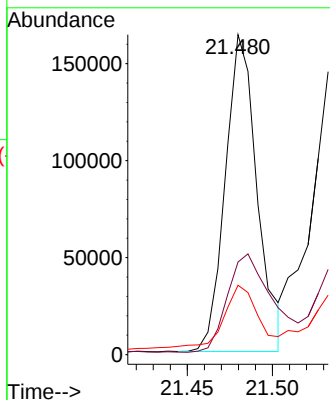
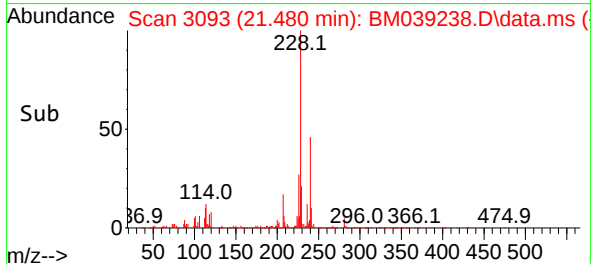
Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN



Tgt Ion:228 Resp: 212786
Ion Ratio Lower Upper
228 100
226 28.9 21.9 32.9
229 21.7 15.8 23.6

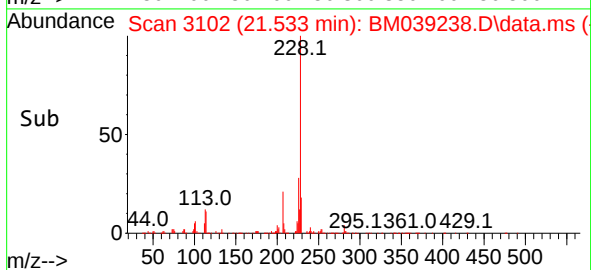
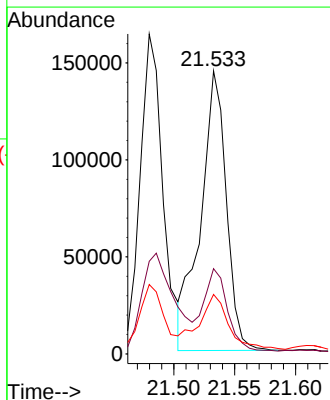
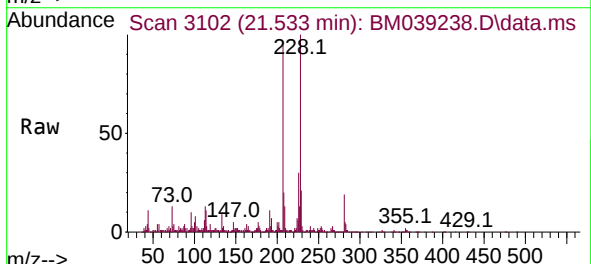
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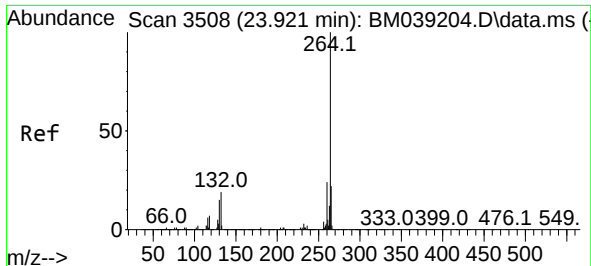
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#83
Chrysene
Concen: 3.510 ng
RT: 21.533 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

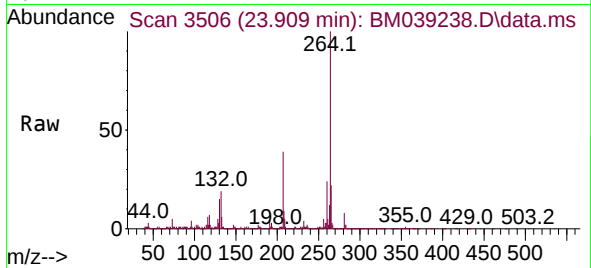
Tgt Ion:228 Resp: 212388
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 21.0 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.909 min Scan# 3508
Delta R.T. -0.012 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

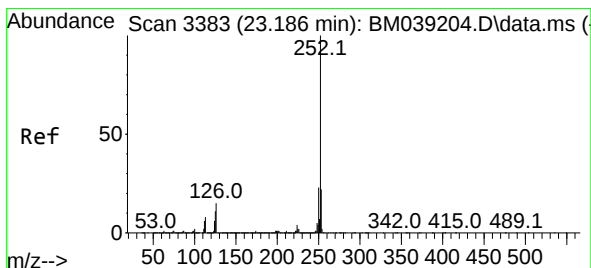
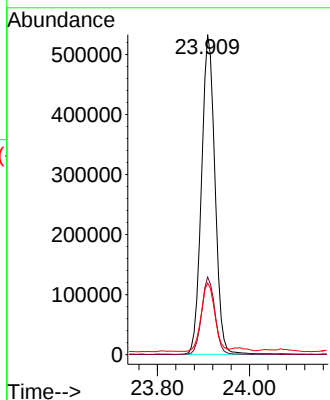
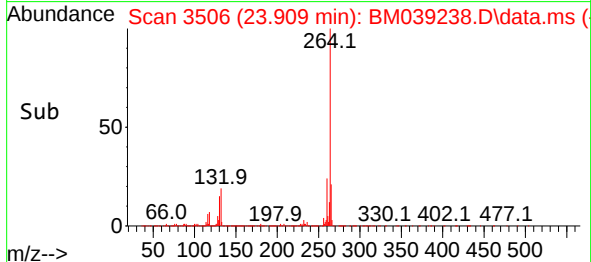
Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN



Tgt Ion:264 Resp: 1078288
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.4 18.1 27.1

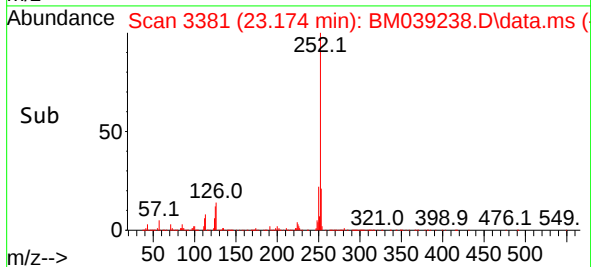
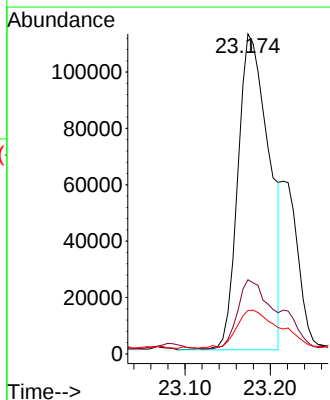
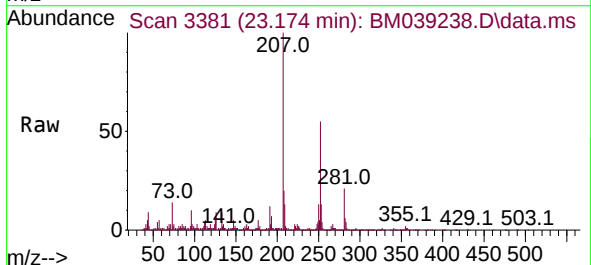
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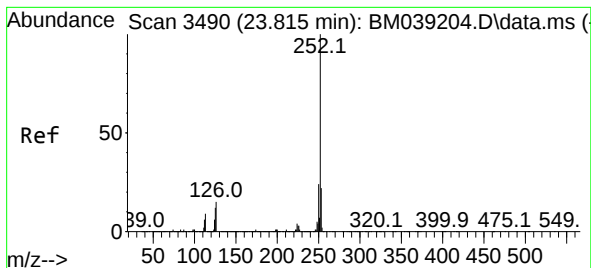
Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#88
Benzo(b)fluoranthene
Concen: 4.311 ng m
RT: 23.174 min Scan# 3381
Delta R.T. -0.012 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

Tgt Ion:252 Resp: 284428
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.6 9.0 13.6#





#90

Benzo(a)pyrene

Concen: 4.257 ng

RT: 23.803 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

Instrument :

BNA_M

ClientSampleId :

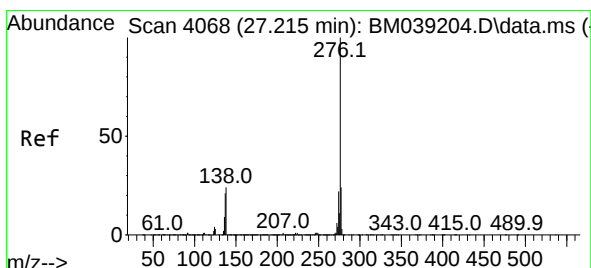
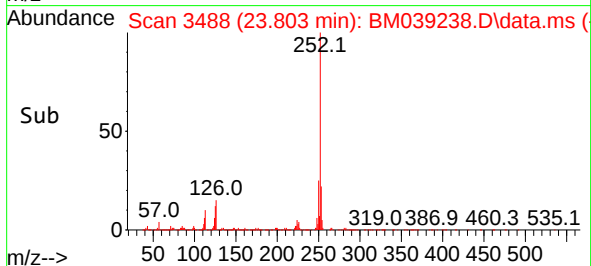
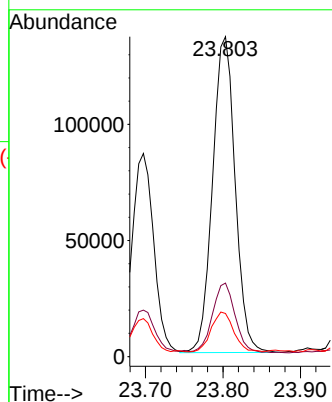
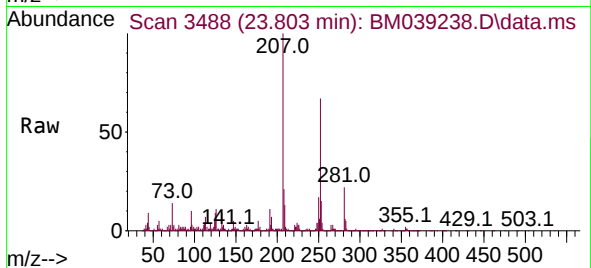
TP-12-TEST-PIT-ON-OCEAN

Tgt Ion:	252	Resp:	275944
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.6	26.4
125	13.5	9.8	14.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/31/2023
Supervised By :Jagrut Upadhyay 03/31/2023



#92

Benzo(g,h,i)perylene

Concen: 2.585 ng

RT: 27.179 min Scan# 4062

Delta R.T. -0.035 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

Tgt Ion:	276	Resp:	169606
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.1	28.7
138	26.9	19.5	29.3

