

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

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

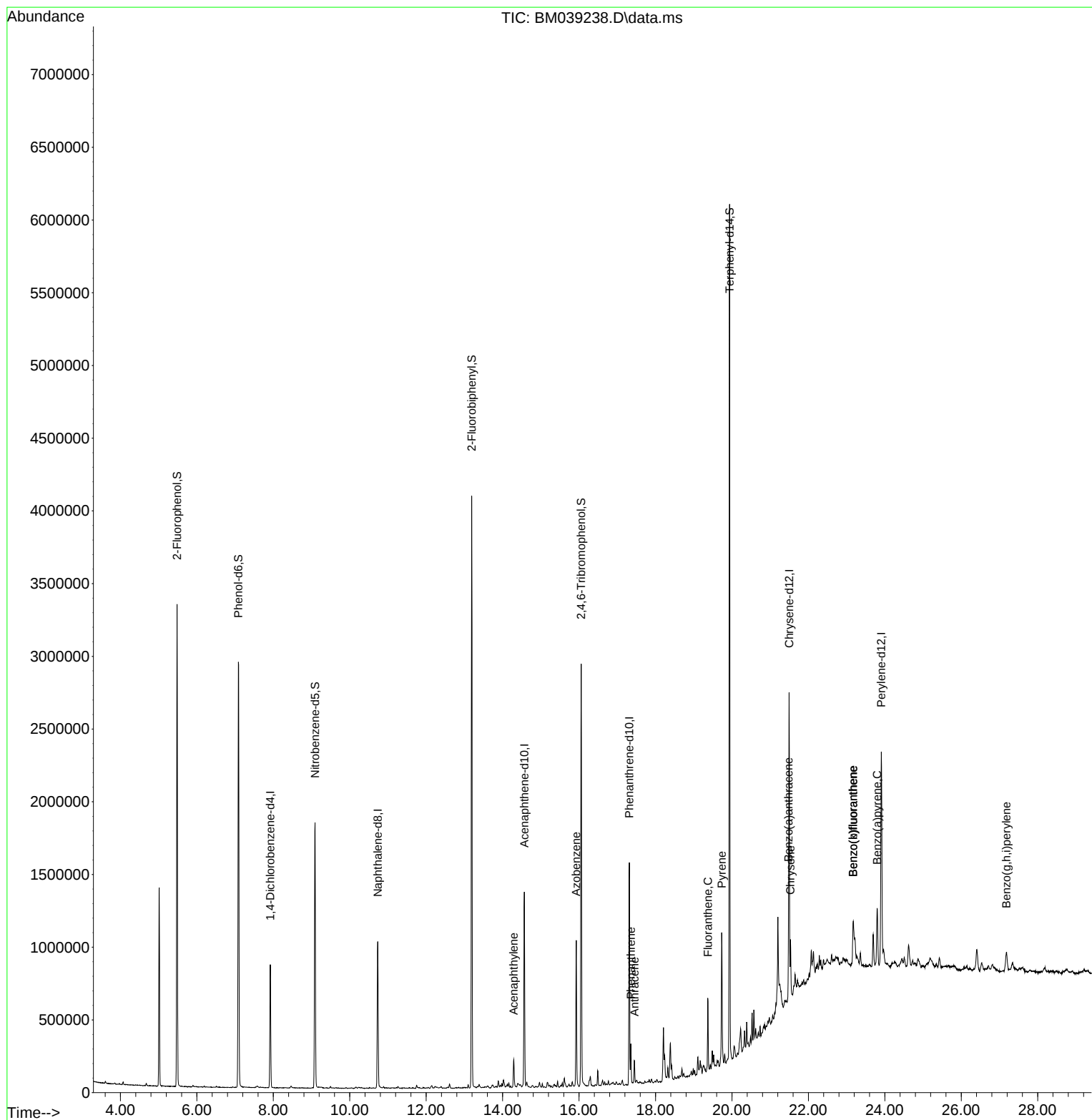
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	219565	20.000	ng	0.00
21) Naphthalene-d8	10.733	136	833402	20.000	ng	0.00
39) Acenaphthene-d10	14.568	164	446532	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	887906	20.000	ng	0.00
76) Chrysene-d12	21.497	240	888686	20.000	ng	0.00
86) Perylene-d12	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
63) Azobenzene	15.927	77	272757	7.860	ng	# 1
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	367656	5.572	ng	# 96
89) Benzo(k)fluoranthene	23.174	252	367656	5.471	ng	# 96
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

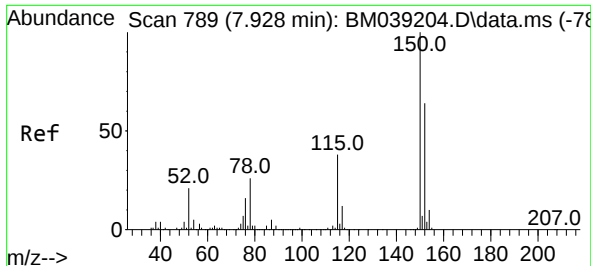
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
Data File : BM039238.D
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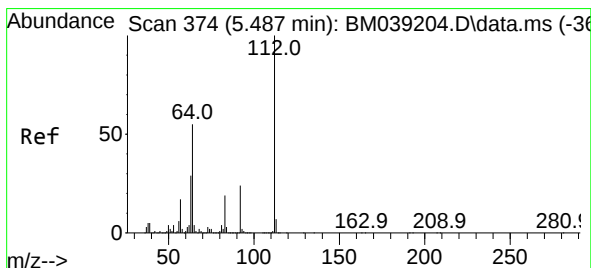
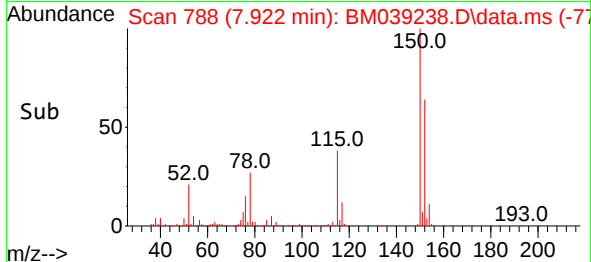
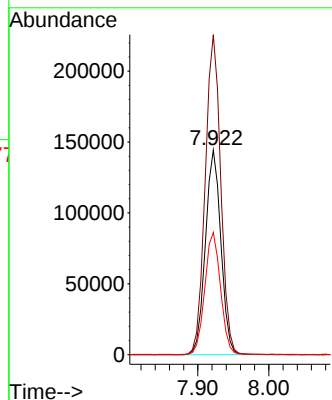
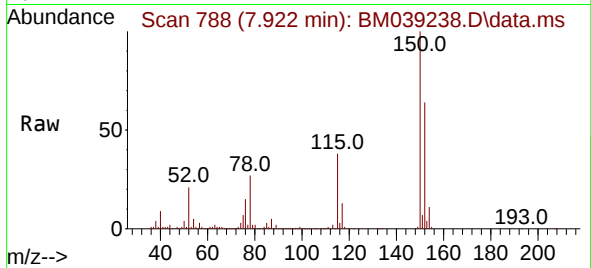




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

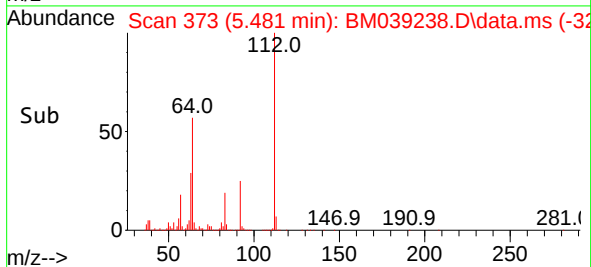
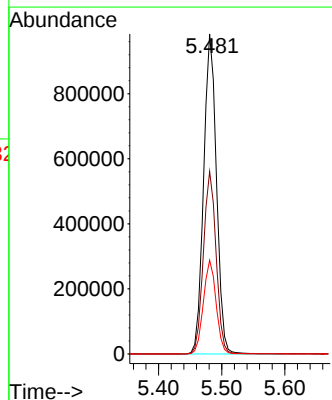
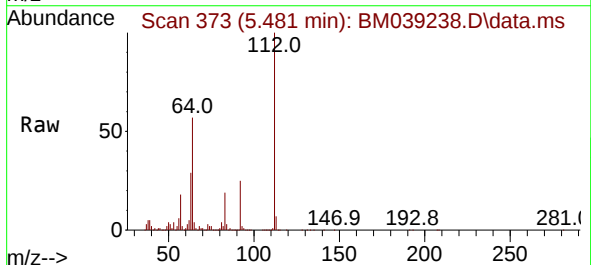
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BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

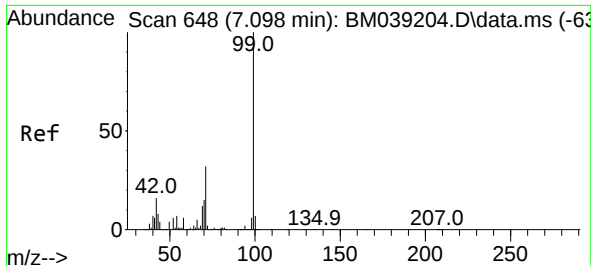
Tgt Ion:152 Resp: 219565
Ion Ratio Lower Upper
152 100
150 156.4 125.5 188.3
115 59.8 48.1 72.1



#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

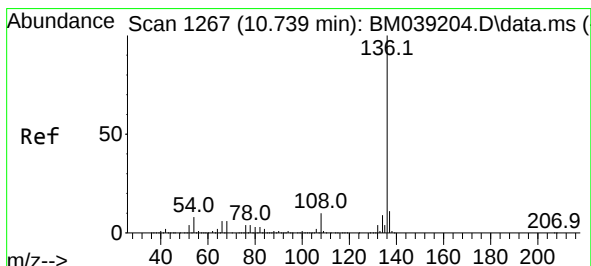
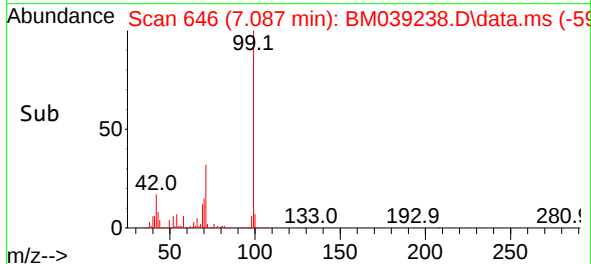
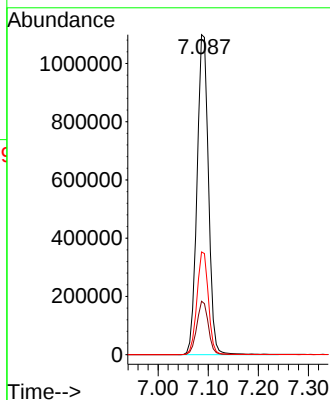
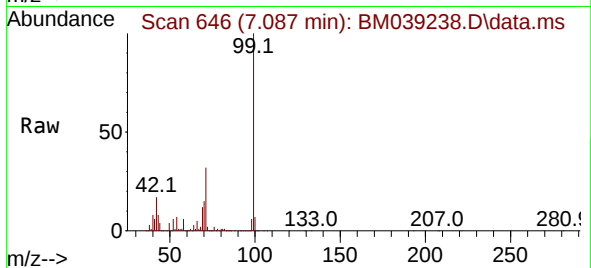




#7
Phenol-d6
Concen: 92.175 ng
RT: 7.087 min Scan# 648
Delta R.T. -0.012 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

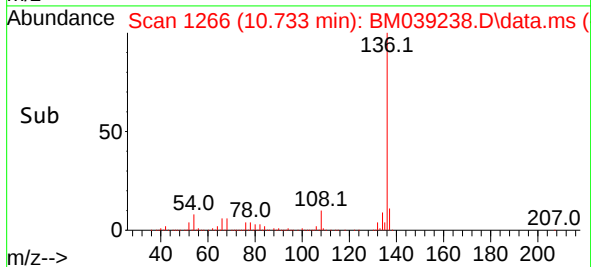
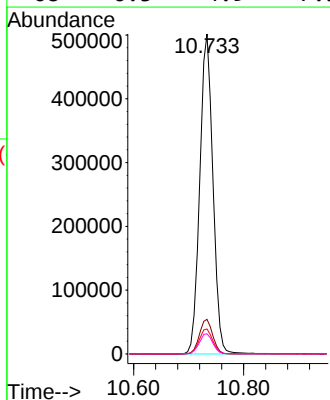
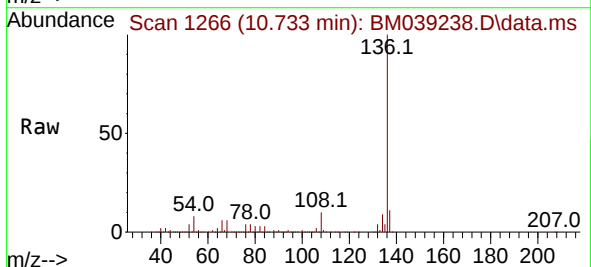
Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

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



#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

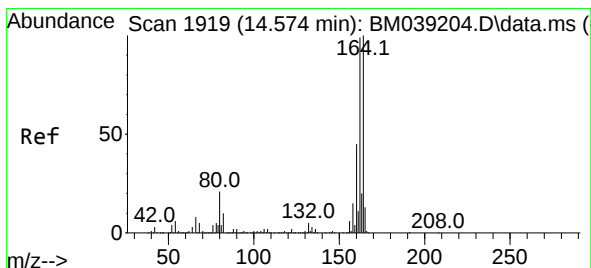
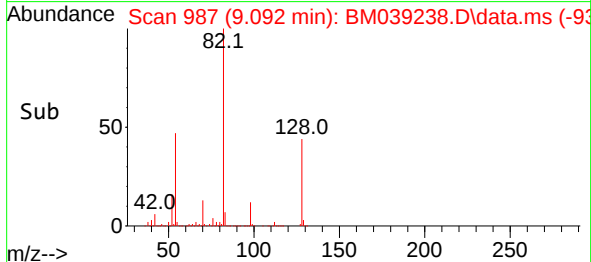
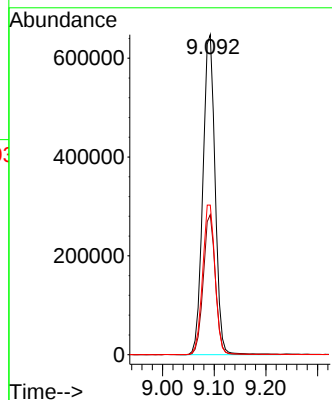
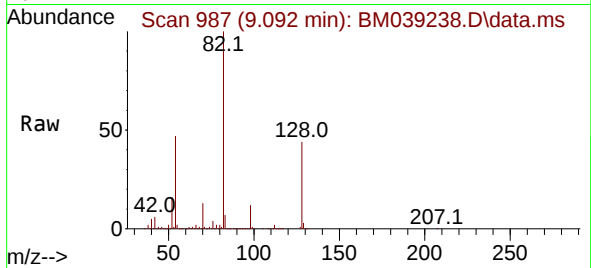




#23
Nitrobenzene-d5
Concen: 62.089 ng
RT: 9.092 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

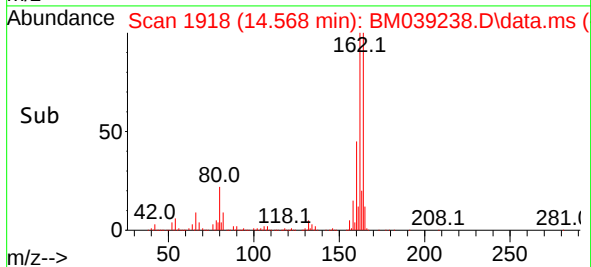
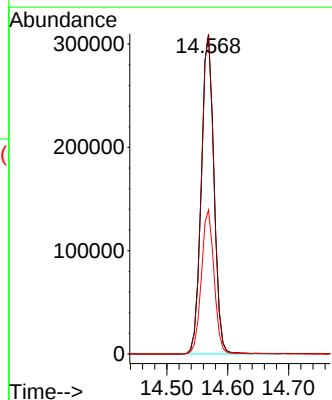
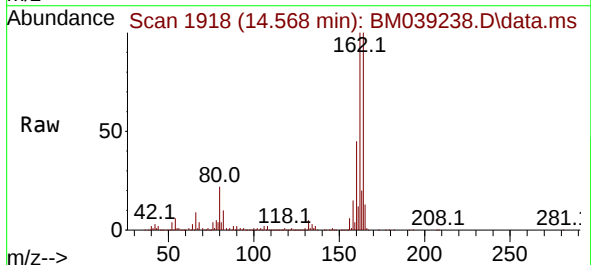
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TP-12-TEST-PIT-ON-OCEAN

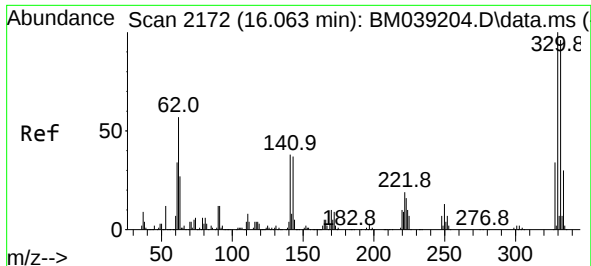
Tgt Ion: 82 Resp: 1064668
Ion Ratio Lower Upper
82 100
128 43.7 35.1 52.7
54 46.8 38.5 57.7



#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

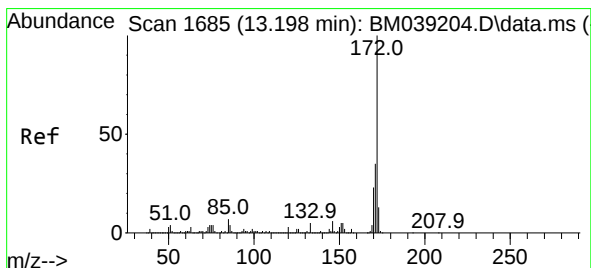
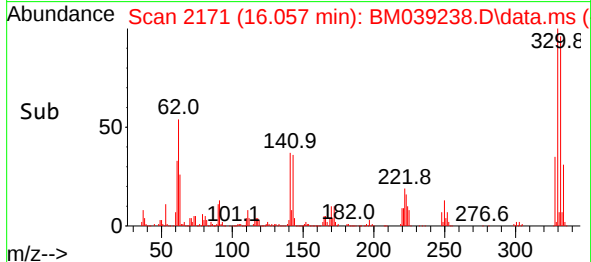
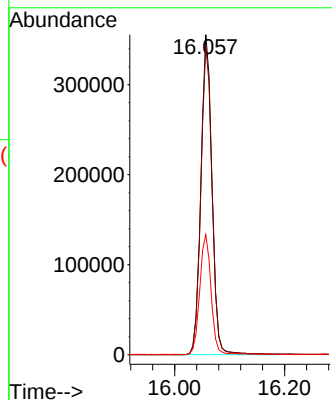
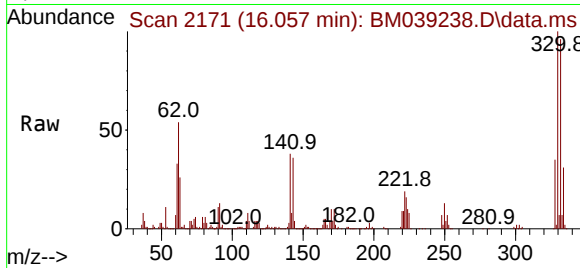




#42
2,4,6-Tribromophenol
Concen: 88.379 ng
RT: 16.057 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

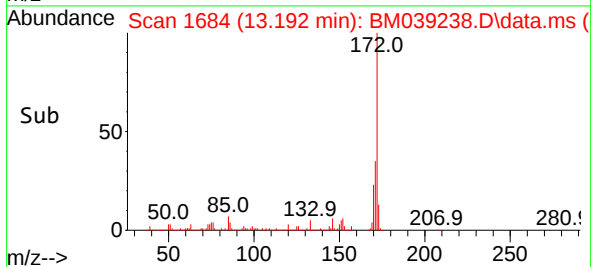
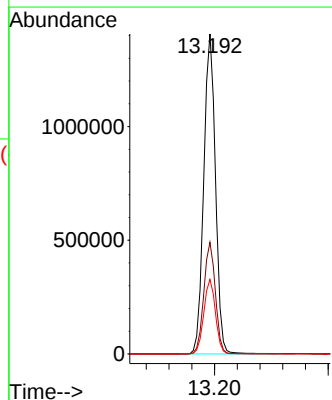
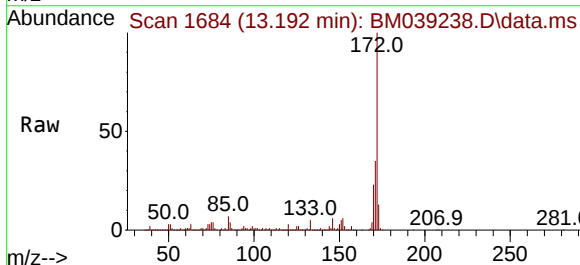
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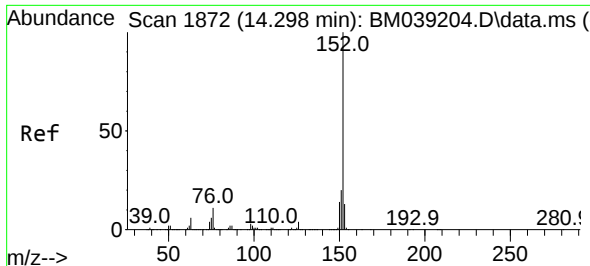
Tgt Ion:330 Resp: 500960
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.0
141 37.8 29.8 44.6



#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

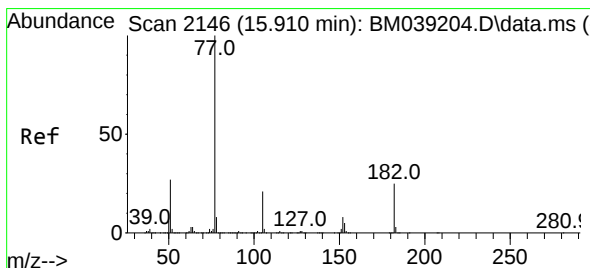
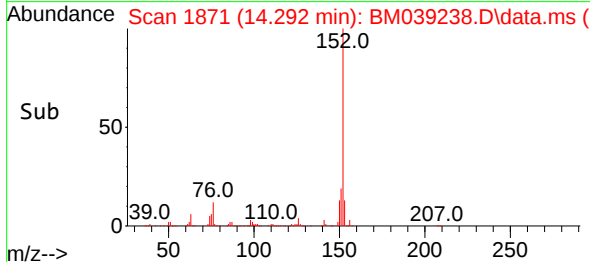
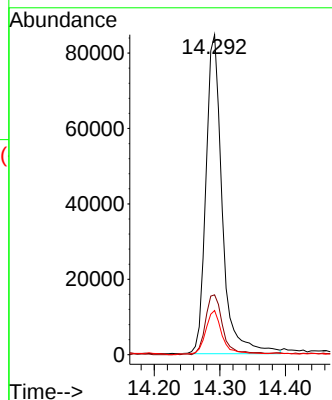
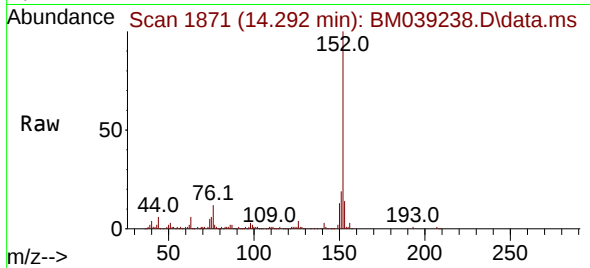




#49
Acenaphthylene
Concen: 3.343 ng
RT: 14.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

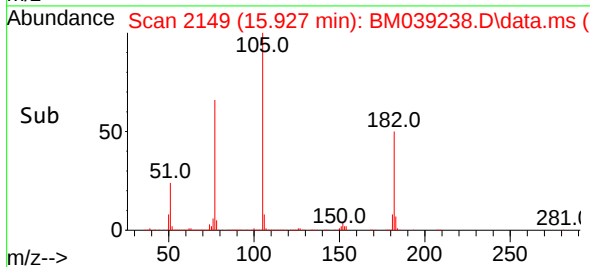
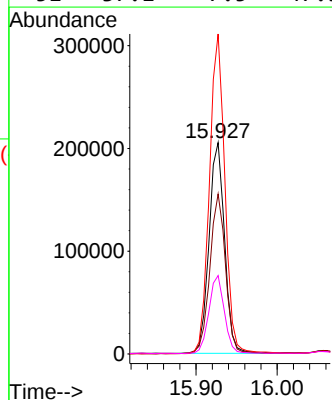
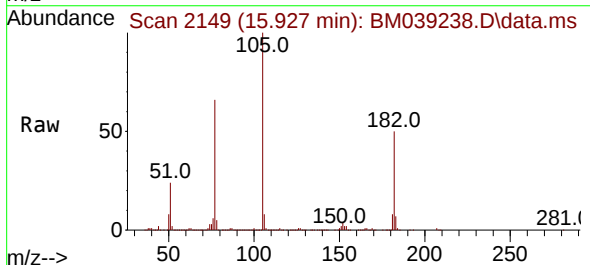
Instrument :
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ClientSampleId :
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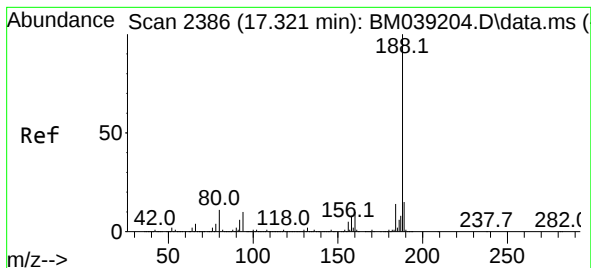
Tgt Ion:152 Resp: 146690
Ion Ratio Lower Upper
152 100
151 18.7 15.7 23.5
153 13.8 10.3 15.5



#63
Azobenzene
Concen: 7.860 ng
RT: 15.927 min Scan# 2149
Delta R.T. 0.018 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

Tgt Ion: 77 Resp: 272757
Ion Ratio Lower Upper
77 100
182 75.7 4.8 44.8#
105 151.4 1.4 41.4#
51 37.1 7.5 47.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.315 min Scan# 21

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

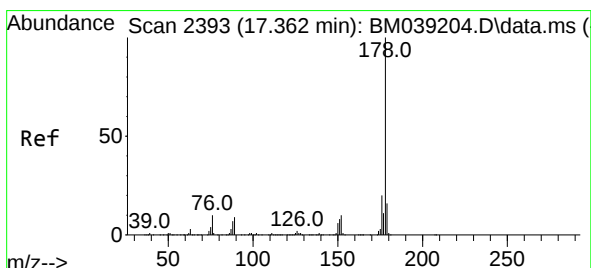
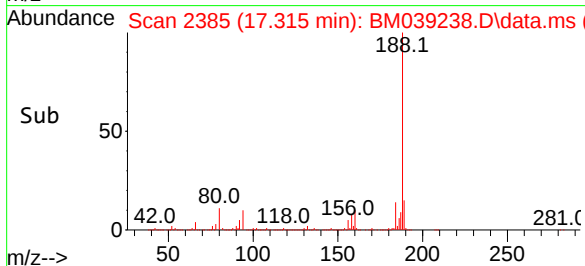
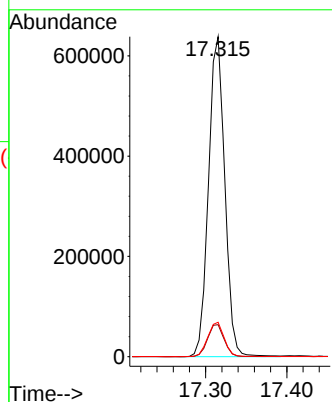
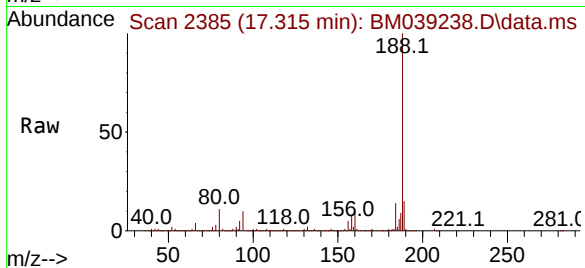
Tgt Ion:188 Resp: 887906

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# 2392

Delta R.T. -0.006 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

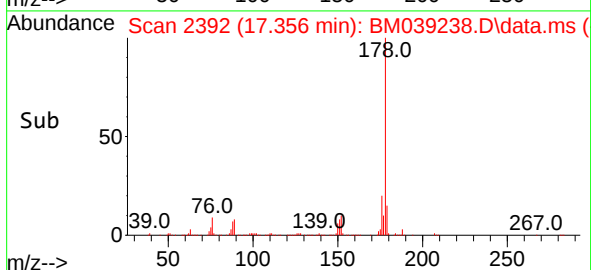
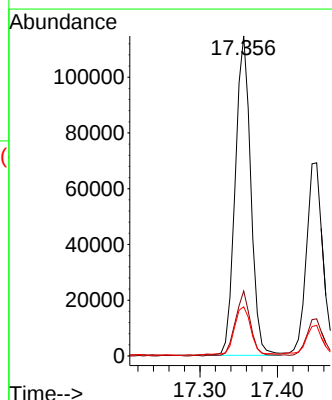
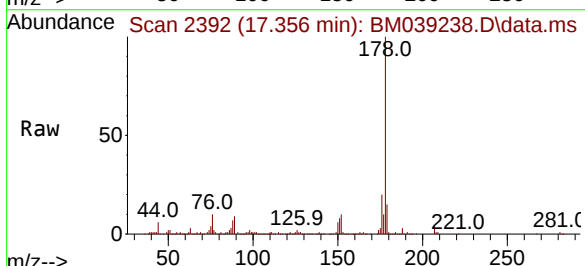
Tgt Ion:178 Resp: 159482

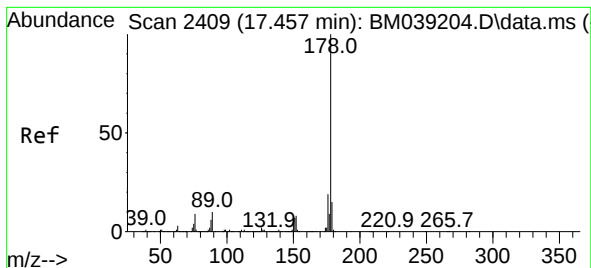
Ion Ratio Lower Upper

178 100

176 20.3 15.7 23.5

179 15.4 12.4 18.6





#72

Anthracene

Concen: 2.039 ng

RT: 17.451 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

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ClientSampleId :

TP-12-TEST-PIT-ON-OCEAN

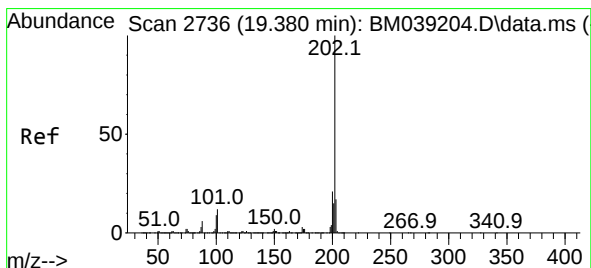
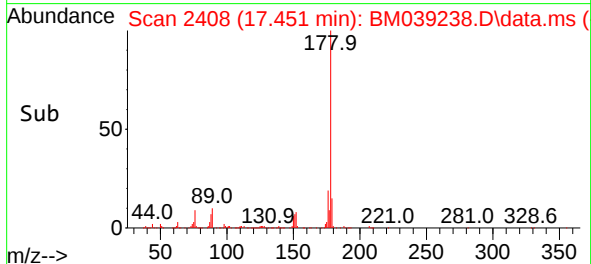
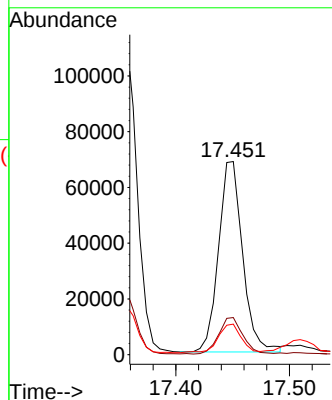
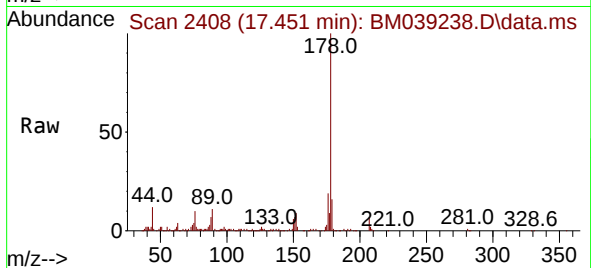
Tgt Ion:178 Resp: 101105

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# 2735

Delta R.T. -0.006 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

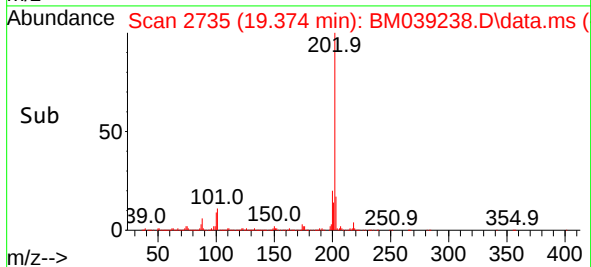
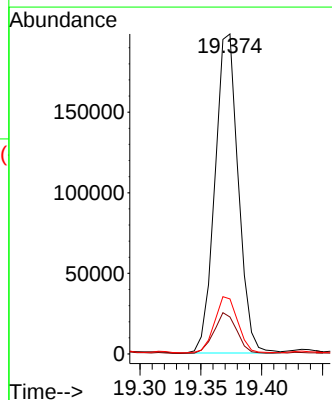
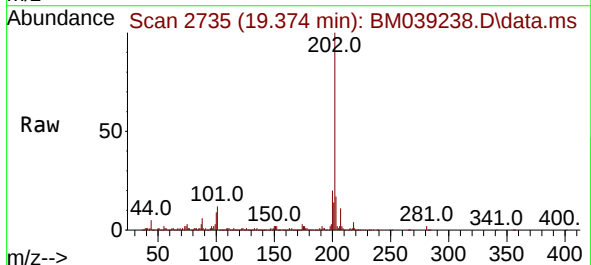
Tgt Ion:202 Resp: 264426

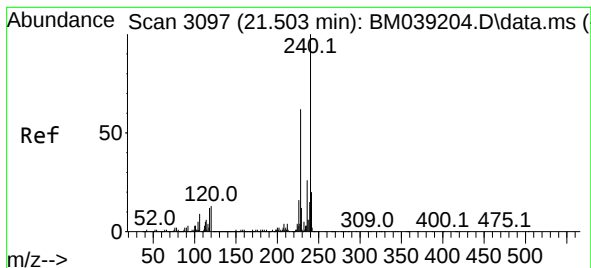
Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.5

203 17.2 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.497 min Scan# 3097

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

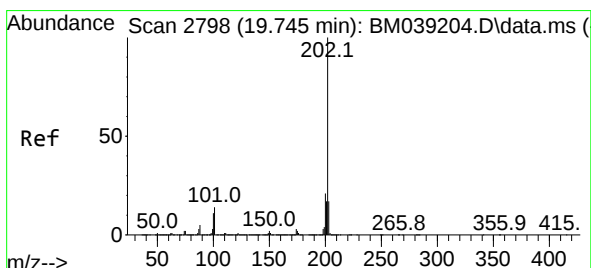
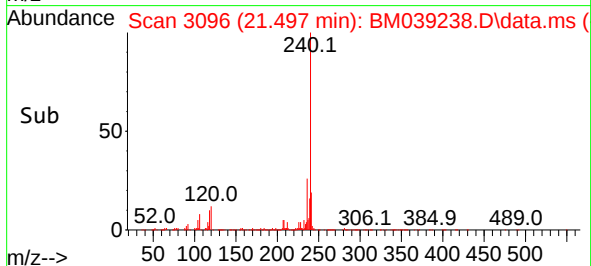
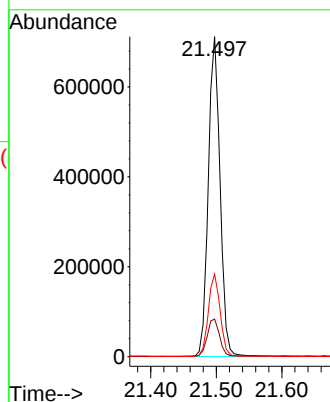
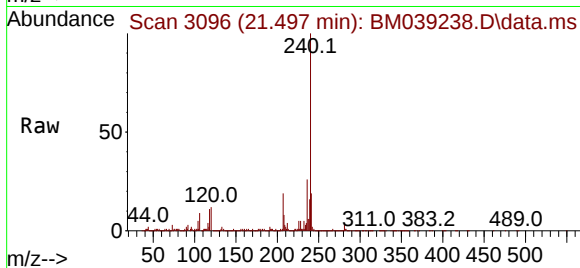
Tgt Ion:240 Resp: 888686

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# 2796

Delta R.T. -0.012 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

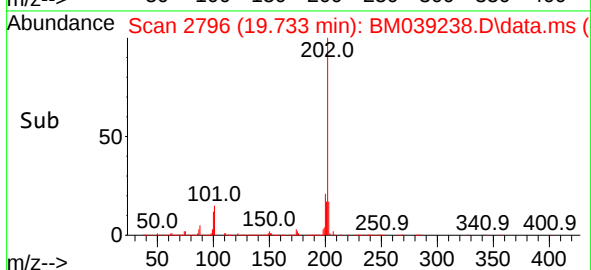
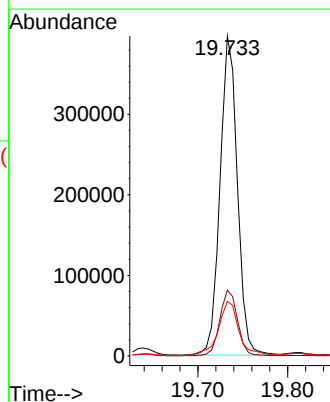
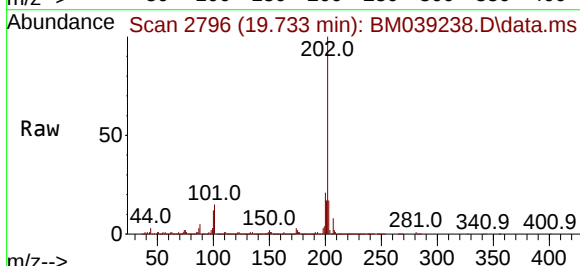
Tgt Ion:202 Resp: 532227

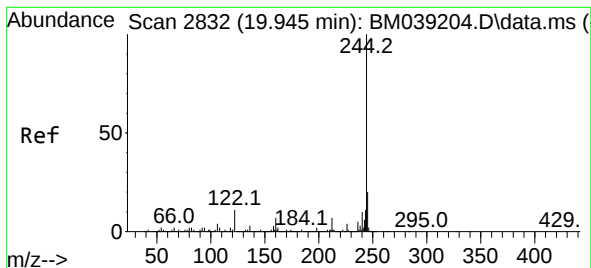
Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 17.1 13.9 20.9





#79

Terphenyl-d14

Concen: 56.285 ng

RT: 19.939 min Scan# 21

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

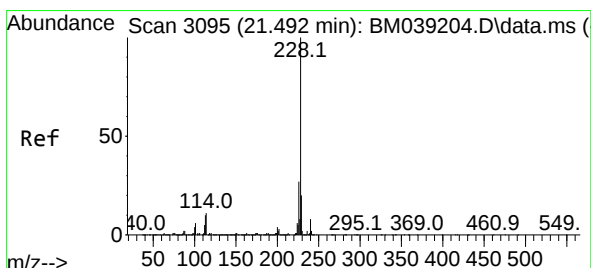
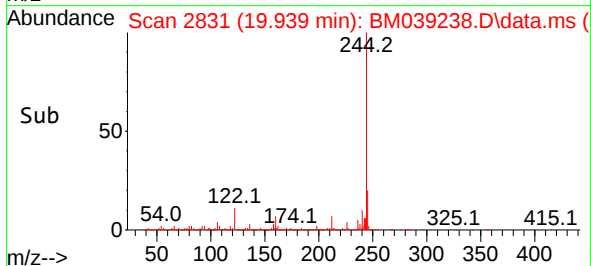
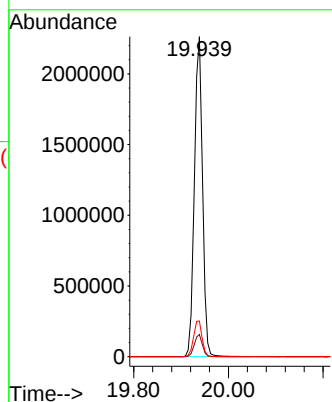
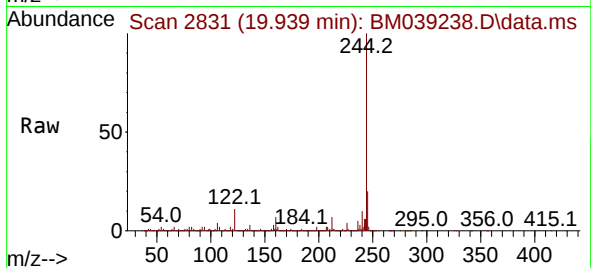
Tgt Ion:244 Resp: 2707328

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# 3093

Delta R.T. -0.012 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

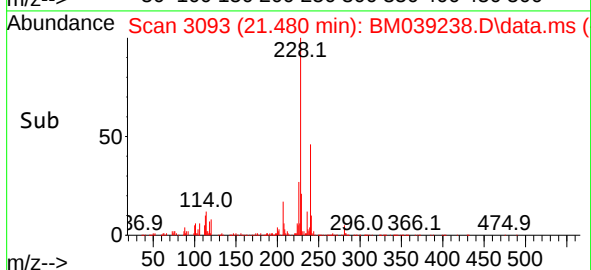
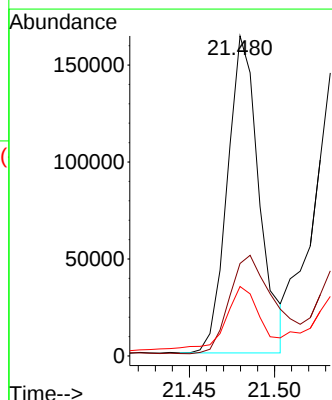
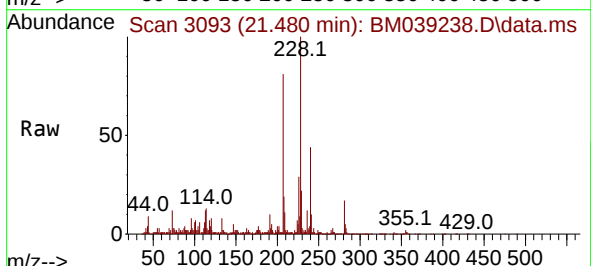
Tgt Ion:228 Resp: 212786

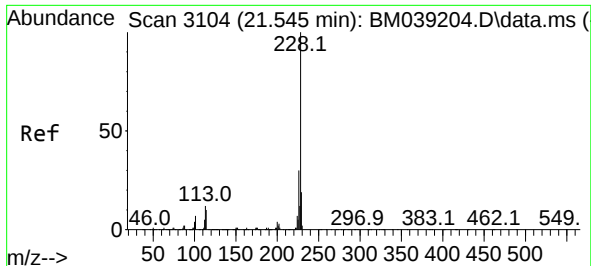
Ion Ratio Lower Upper

228 100

226 28.9 21.9 32.9

229 21.7 15.8 23.6





#83

Chrysene

Concen: 3.510 ng

RT: 21.533 min Scan# 31

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

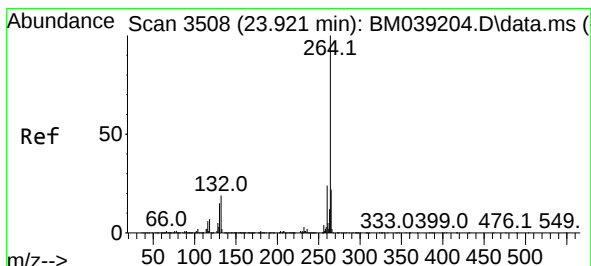
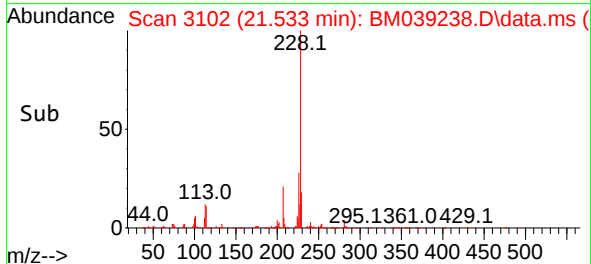
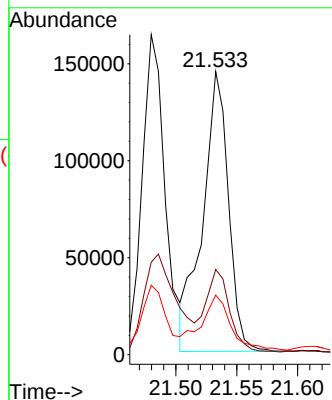
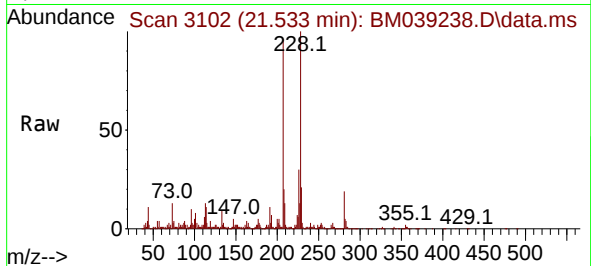
Tgt Ion:228 Resp: 212388

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# 3506

Delta R.T. -0.012 min

Lab File: BM039238.D

Acq: 30 Mar 2023 22:12

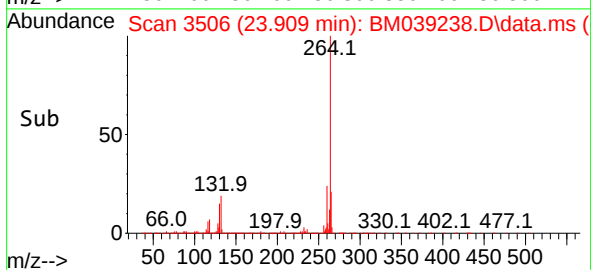
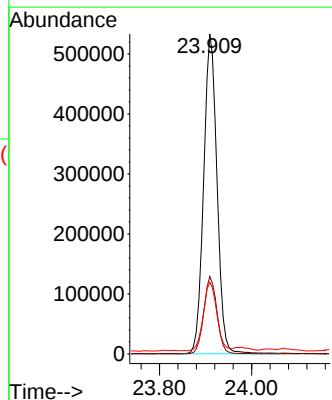
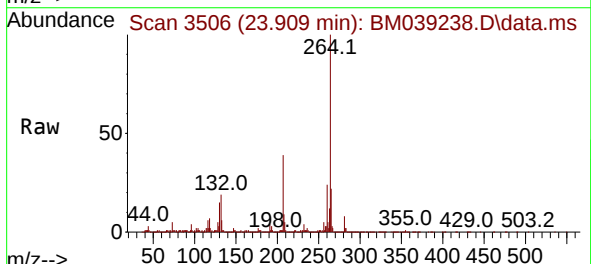
Tgt Ion:264 Resp: 1078288

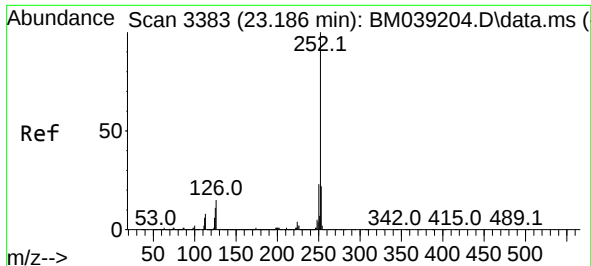
Ion Ratio Lower Upper

264 100

260 24.2 19.0 28.6

265 22.4 18.1 27.1

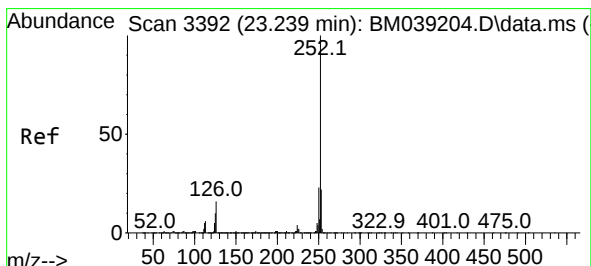
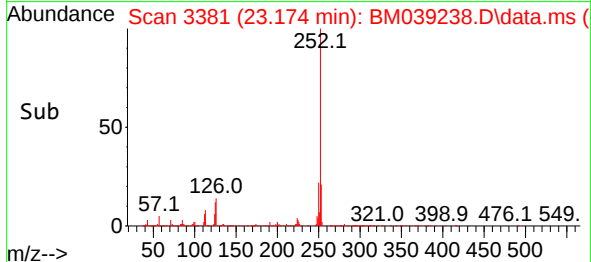
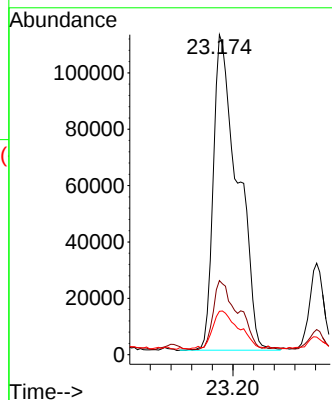
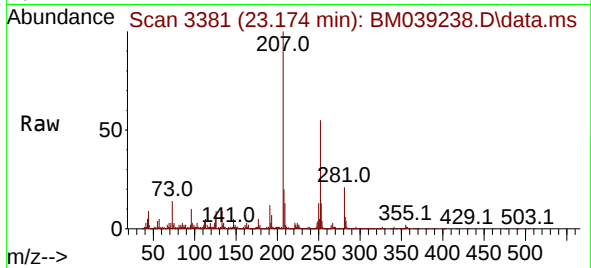




#88
Benzo(b)fluoranthene
Concen: 5.572 ng
RT: 23.174 min Scan# 3381
Delta R.T. -0.012 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

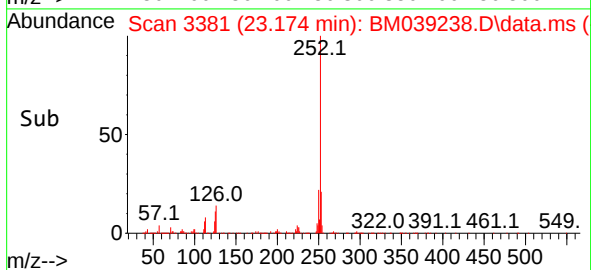
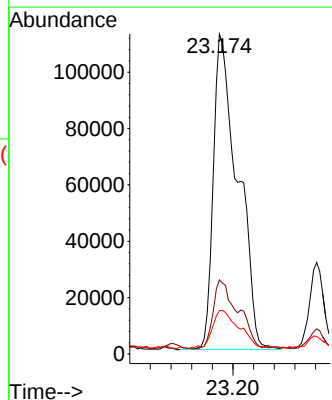
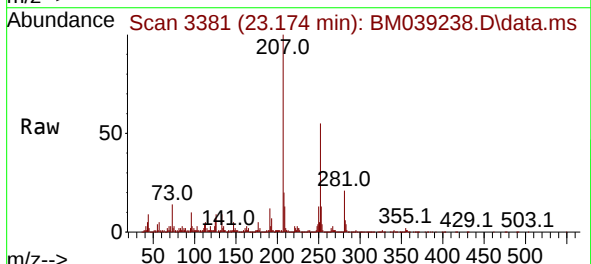
Instrument :
BNA_M
ClientSampleId :
TP-12-TEST-PIT-ON-OCEAN

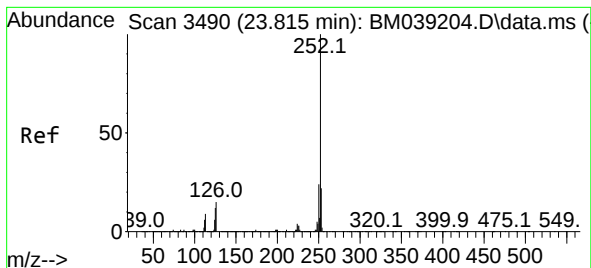
Tgt Ion:252 Resp: 367656
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 13.6 9.0 13.6#



#89
Benzo(k)fluoranthene
Concen: 5.471 ng
RT: 23.174 min Scan# 3381
Delta R.T. -0.065 min
Lab File: BM039238.D
Acq: 30 Mar 2023 22:12

Tgt Ion:252 Resp: 367656
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 13.6 8.5 12.7#





#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

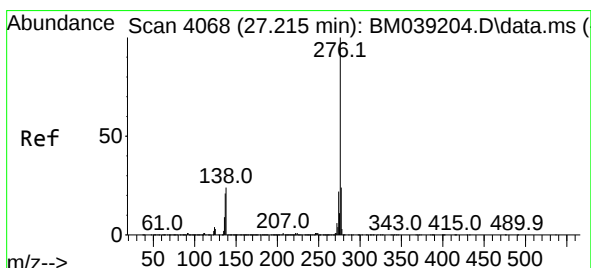
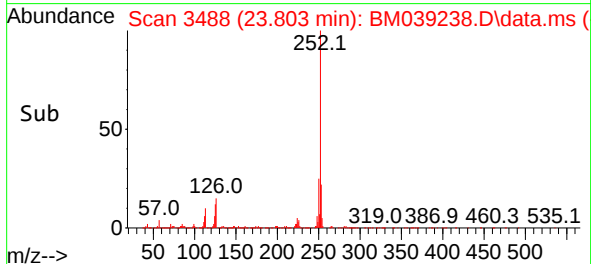
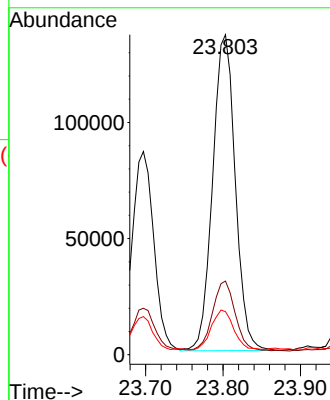
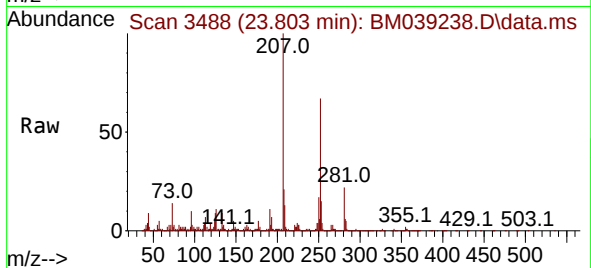
Tgt Ion:252 Resp: 275944

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 13.5 9.8 14.6



#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

