

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM033023\
 Data File : BM039232.D
 Acq On : 30 Mar 2023 18:32
 Operator : CG/JU
 Sample : 02023-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-11-TEST-PIT-ON-CENTRAL

Quant Time: Mar 31 02:39:56 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)

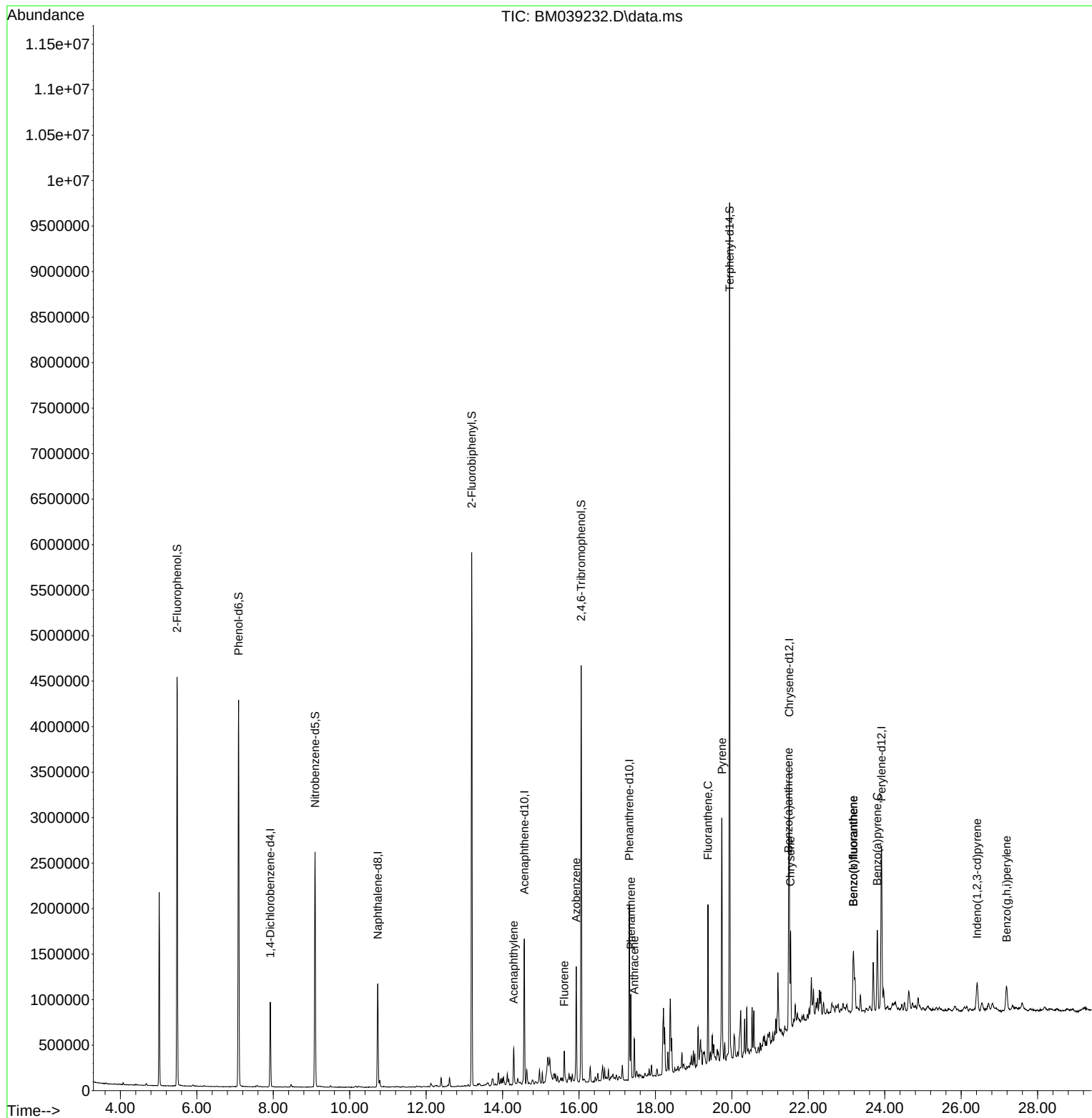
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	236850	20.000	ng	0.00
21) Naphthalene-d8	10.734	136	926262	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	530949	20.000	ng	0.00
64) Phenanthrene-d10	17.315	188	1099387	20.000	ng	0.00
76) Chrysene-d12	21.498	240	1150460	20.000	ng	0.00
86) Perylene-d12	23.915	264	1367799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1932817	122.947	ng	0.00
7) Phenol-d6	7.093	99	2433242	119.666	ng	0.00
23) Nitrobenzene-d5	9.092	82	1465956	76.921	ng	0.00
42) 2,4,6-Tribromophenol	16.057	330	771732	114.502	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	2873813	73.336	ng	0.00
79) Terphenyl-d14	19.939	244	4184681	67.203	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.292	152	257227	4.930	ng	98
58) Fluorene	15.616	166	155393	3.956	ng	96
63) Azobenzene	15.927	77	343955	8.336	ng	# 1
71) Phenanthrene	17.357	178	523899	8.701	ng	98
72) Anthracene	17.445	178	270057	4.399	ng	99
75) Fluoranthene	19.374	202	891162	12.984	ng	99
78) Pyrene	19.739	202	1583831	19.338	ng	99
81) Benzo(a)anthracene	21.480	228	615975	7.592	ng	97
83) Chrysene	21.533	228	600542	7.667	ng	97
87) Indeno(1,2,3-cd)pyrene	26.415	276	314553	3.121	ng	96
88) Benzo(b)fluoranthene	23.180	252	837648	10.009	ng	97
89) Benzo(k)fluoranthene	23.180	252	837648	9.826	ng	97
90) Benzo(a)pyrene	23.803	252	664727	8.085	ng	99
92) Benzo(g,h,i)perylene	27.185	276	351552	4.224	ng	99

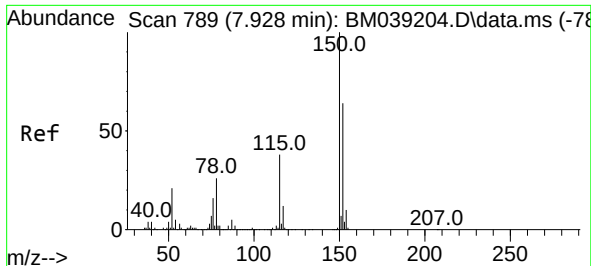
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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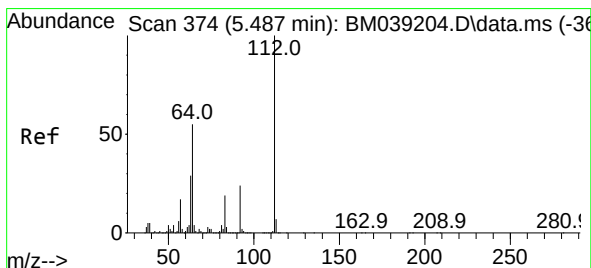
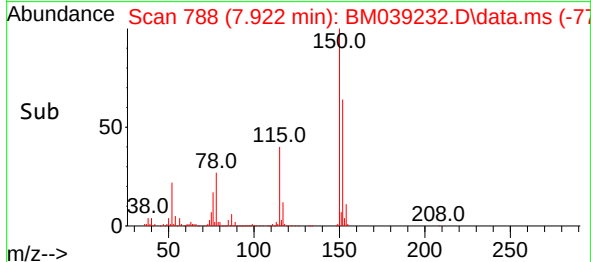
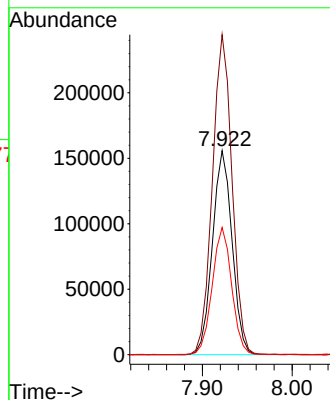
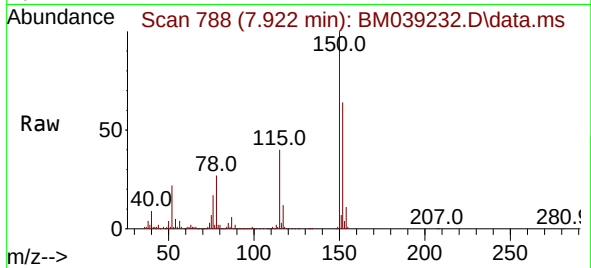




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

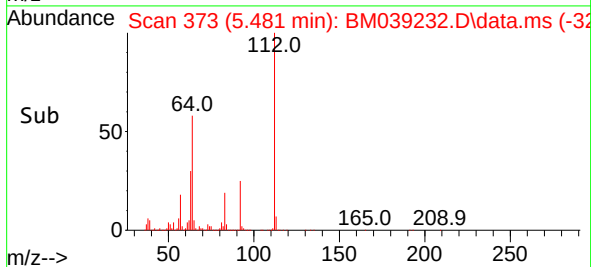
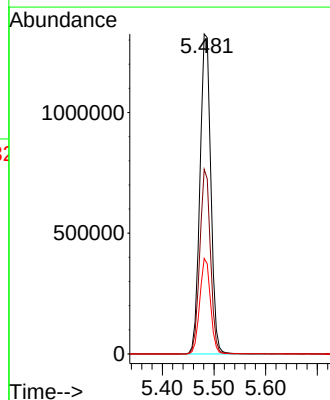
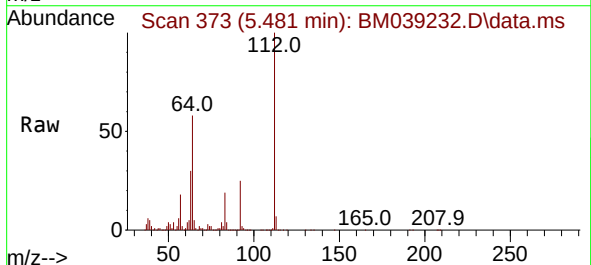
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

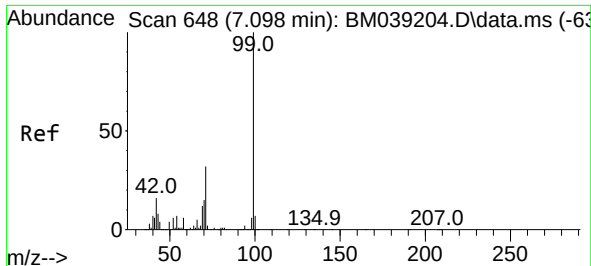
Tgt Ion:152 Resp: 236850
Ion Ratio Lower Upper
152 100
150 156.9 125.5 188.3
115 62.3 48.1 72.1



#5
2-Fluorophenol
Concen: 122.947 ng
RT: 5.481 min Scan# 373
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:112 Resp: 1932817
Ion Ratio Lower Upper
112 100
64 57.7 44.3 66.5
63 29.8 23.0 34.6



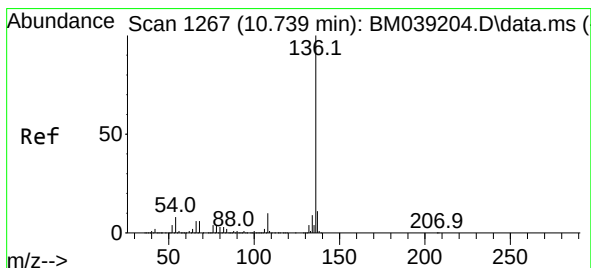
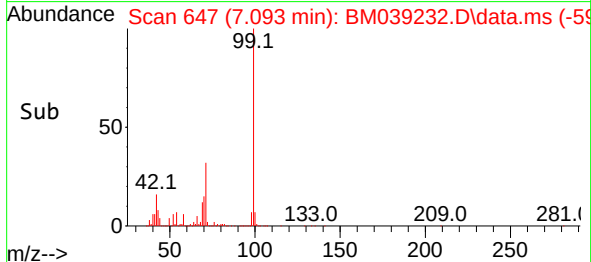
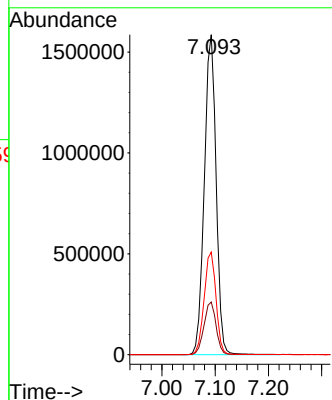
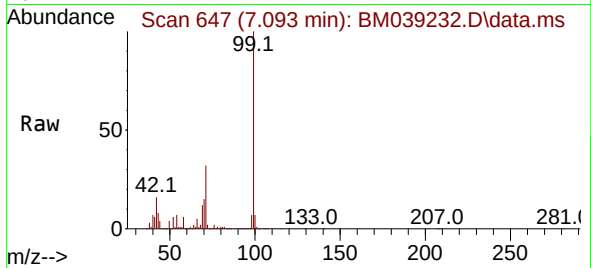


#7
Phenol-d6
Concen: 119.666 ng
RT: 7.093 min Scan# 648
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion: 99 Resp: 2433242

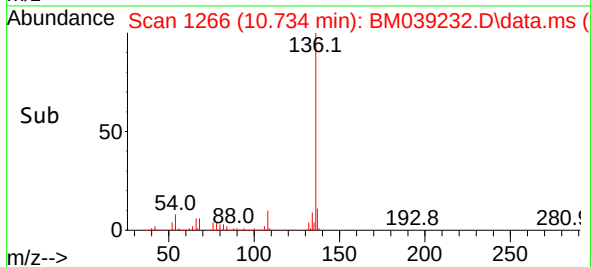
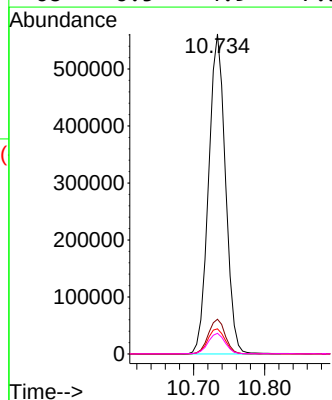
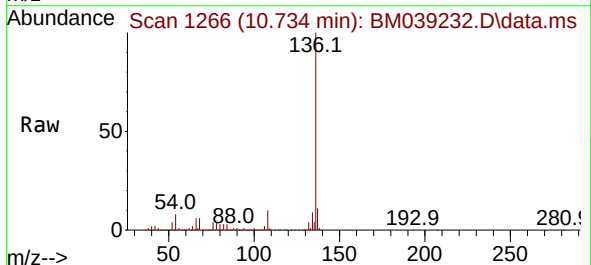
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.0	19.6
71	32.0	25.5	38.3

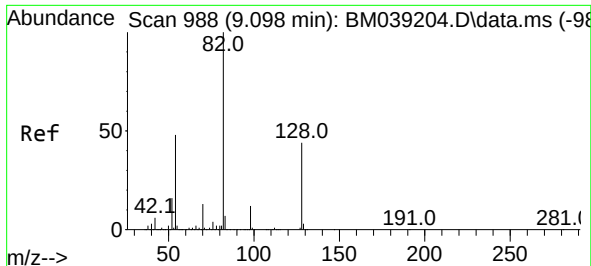


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.734 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion: 136 Resp: 926262

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.9	6.2	9.4
68	6.5	4.9	7.3

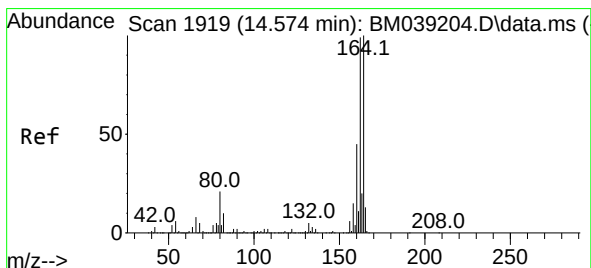
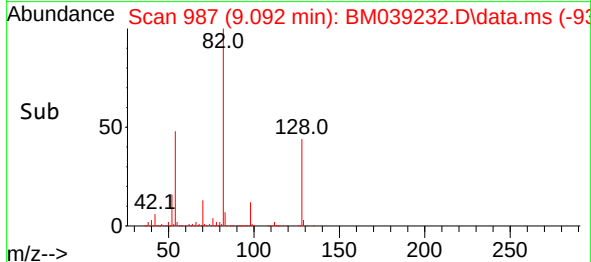
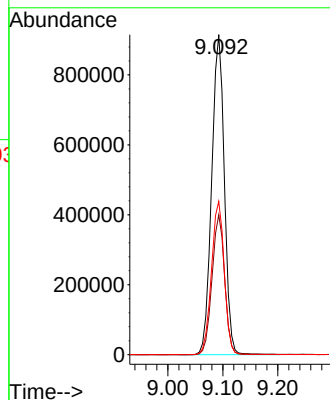
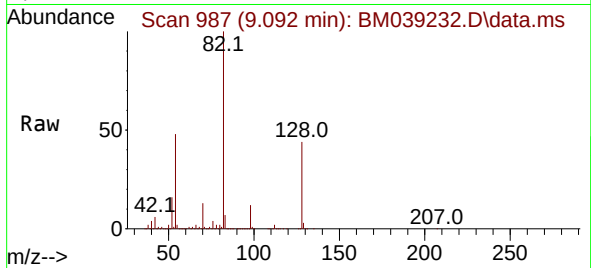




#23
Nitrobenzene-d5
Concen: 76.921 ng
RT: 9.092 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

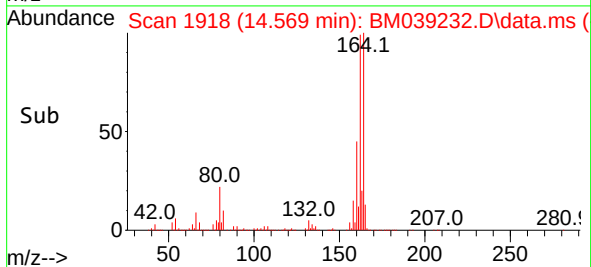
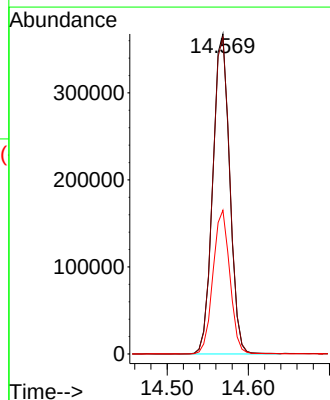
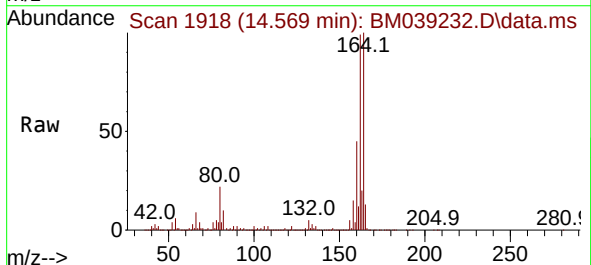
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

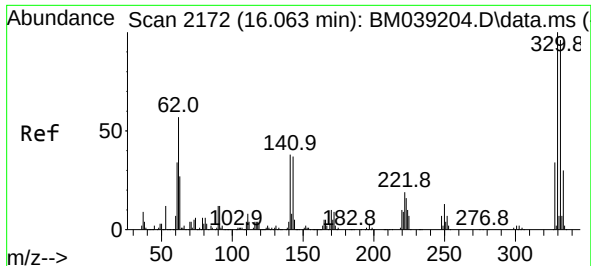
Tgt Ion: 82 Resp: 1465956
Ion Ratio Lower Upper
82 100
128 43.7 35.1 52.7
54 47.9 38.5 57.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1918
Delta R.T. -0.005 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion: 164 Resp: 530949
Ion Ratio Lower Upper
164 100
162 99.0 79.1 118.7
160 44.9 35.8 53.8

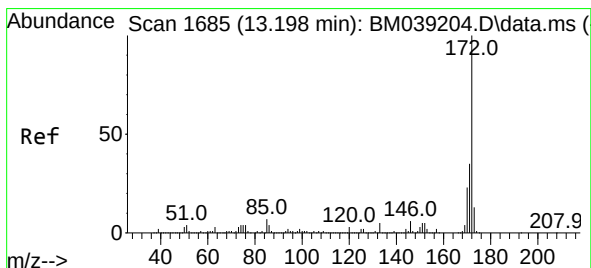
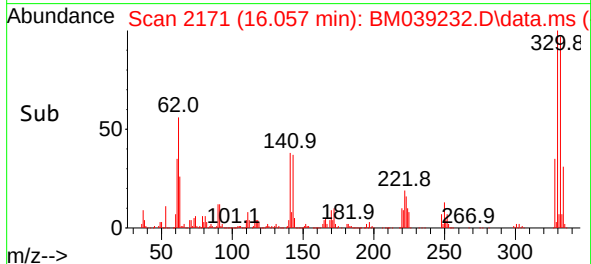
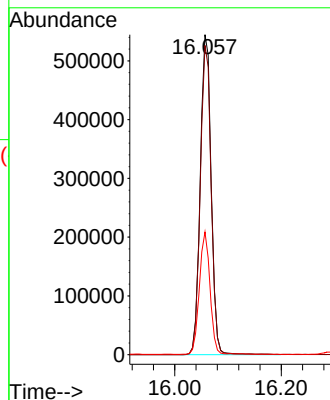
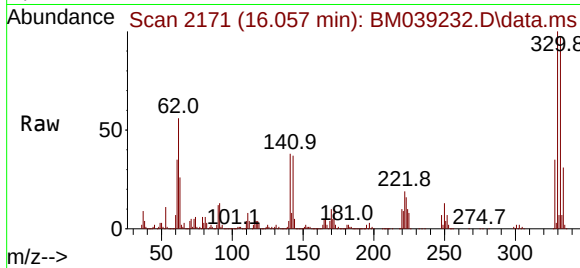




#42
2,4,6-Tribromophenol
Concen: 114.502 ng
RT: 16.057 min Scan# 2171
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

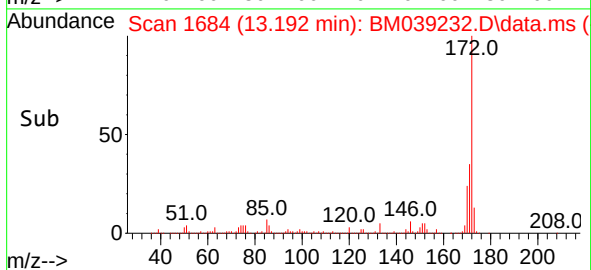
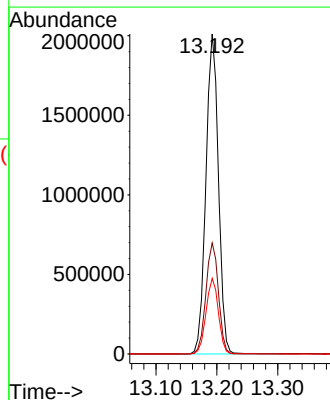
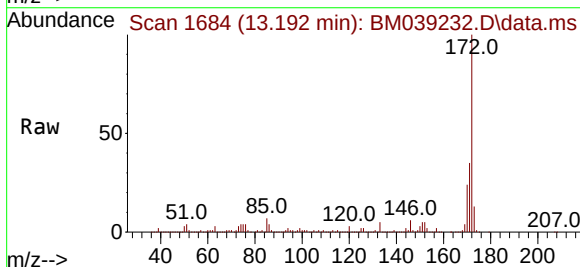
Instrument :
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ClientSampleId :
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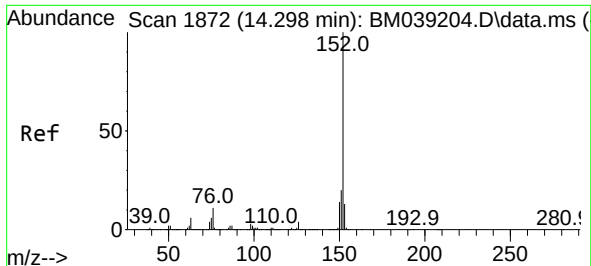
Tgt Ion:330 Resp: 771732
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 37.4 29.8 44.6



#45
2-Fluorobiphenyl
Concen: 73.336 ng
RT: 13.192 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:172 Resp: 2873813
Ion Ratio Lower Upper
172 100
171 34.7 28.0 42.0
170 23.6 18.7 28.1

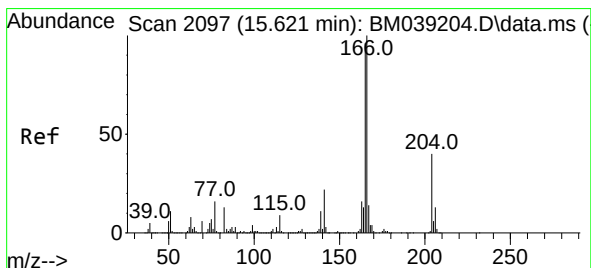
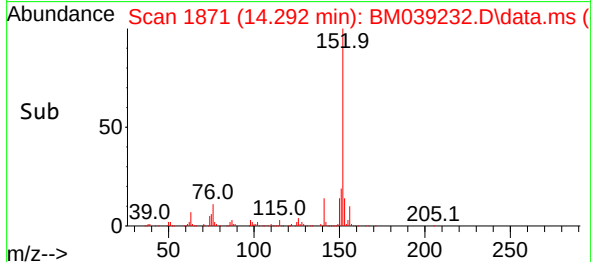
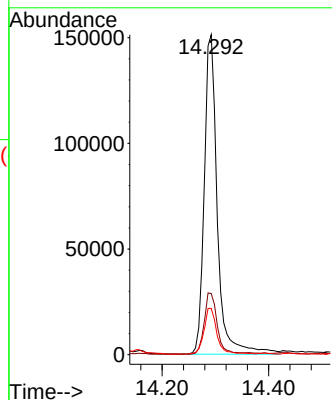
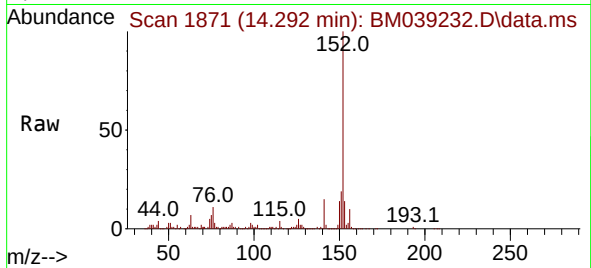




#49
Acenaphthylene
Concen: 4.930 ng
RT: 14.292 min Scan# 1872
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

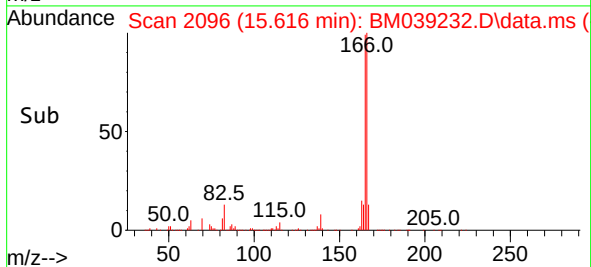
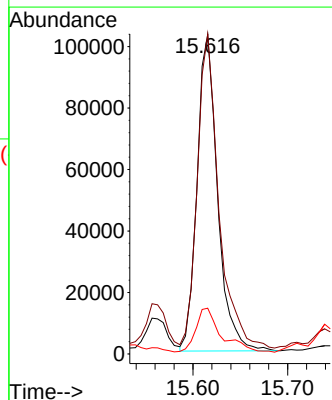
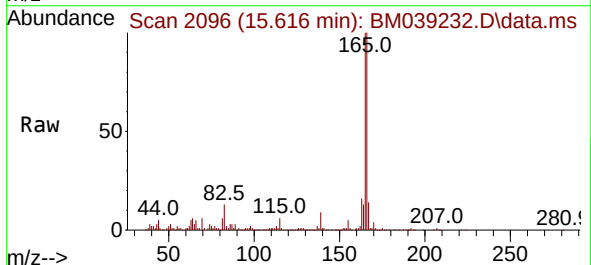
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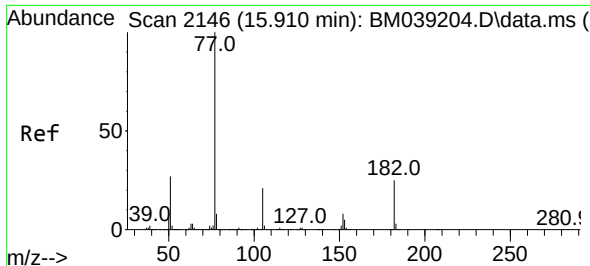
Tgt Ion:152 Resp: 257227
Ion Ratio Lower Upper
152 100
151 19.1 15.7 23.5
153 14.4 10.3 15.5



#58
Fluorene
Concen: 3.956 ng
RT: 15.616 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:166 Resp: 155393
Ion Ratio Lower Upper
166 100
165 100.2 76.9 115.3
167 14.3 10.8 16.2

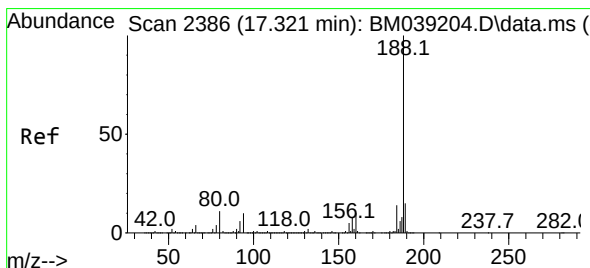
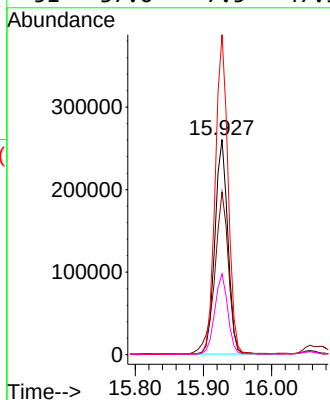
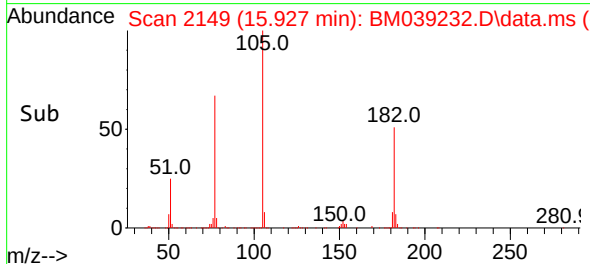
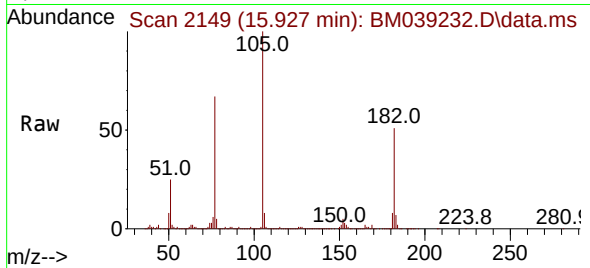




#63
 Azobenzene
 Concen: 8.336 ng
 RT: 15.927 min Scan# 2146
 Delta R.T. 0.018 min
 Lab File: BM039232.D
 Acq: 30 Mar 2023 18:32

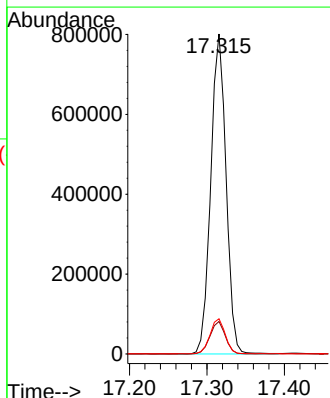
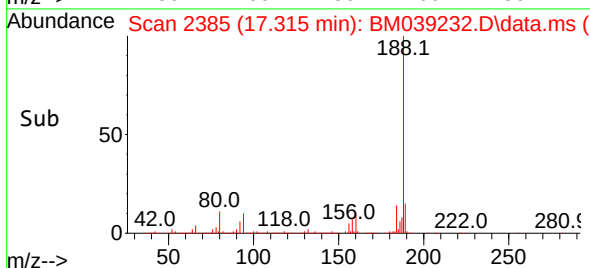
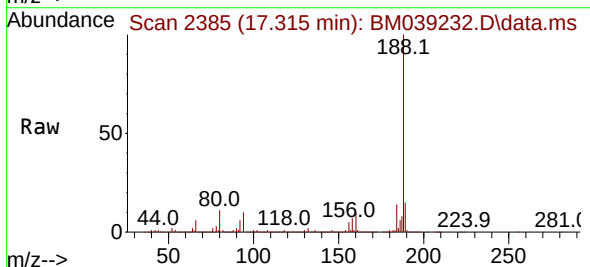
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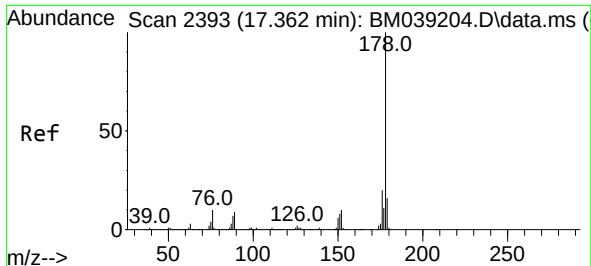
Tgt Ion: 77	Resp: 343955
Ion Ratio	Lower Upper
77 100	
182 75.7	4.8 44.8#
105 148.7	1.4 41.4#
51 37.6	7.5 47.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.315 min Scan# 2385
 Delta R.T. -0.006 min
 Lab File: BM039232.D
 Acq: 30 Mar 2023 18:32

Tgt Ion: 188	Resp: 1099387
Ion Ratio	Lower Upper
188 100	
94 10.1	8.2 12.4
80 11.0	8.9 13.3

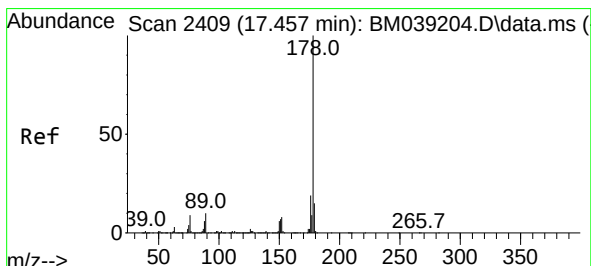
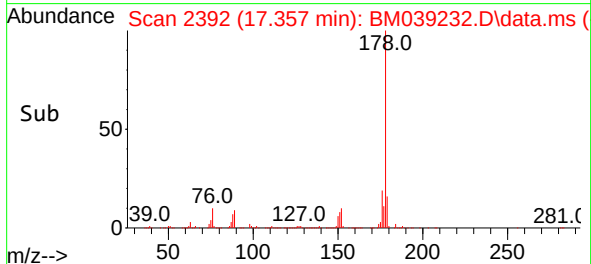
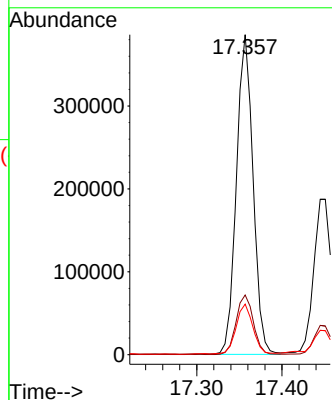
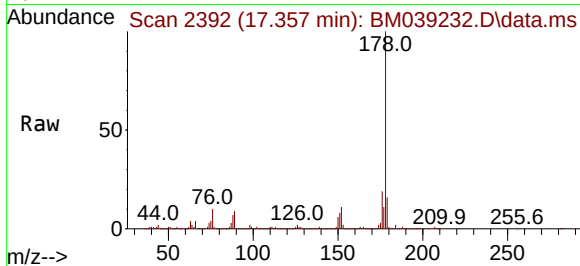




#71
Phenanthrene
Concen: 8.701 ng
RT: 17.357 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

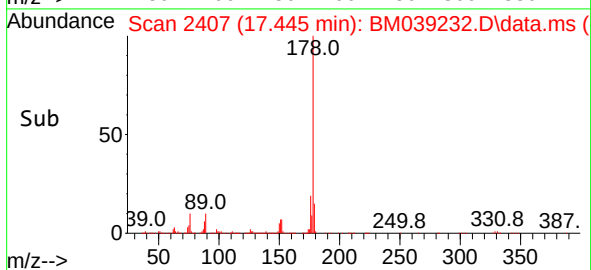
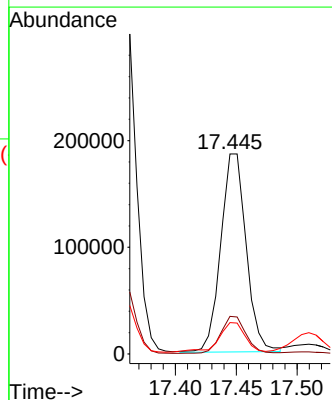
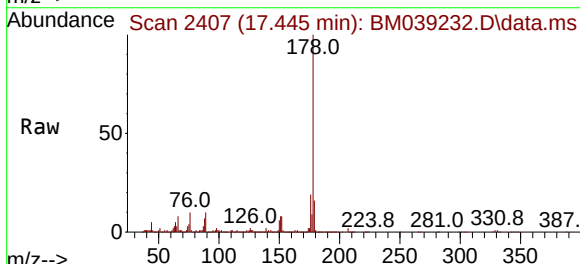
Instrument :
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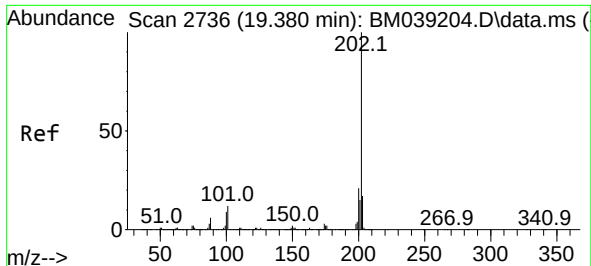
Tgt Ion:178 Resp: 523899
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.8 12.4 18.6



#72
Anthracene
Concen: 4.399 ng
RT: 17.445 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:178 Resp: 270057
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.7 12.2 18.2

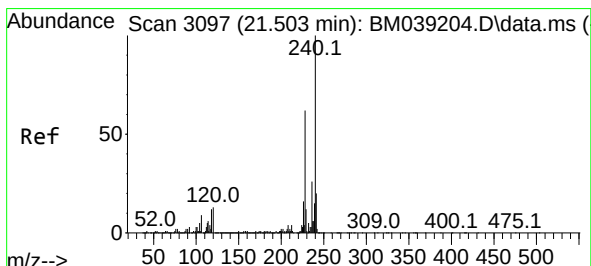
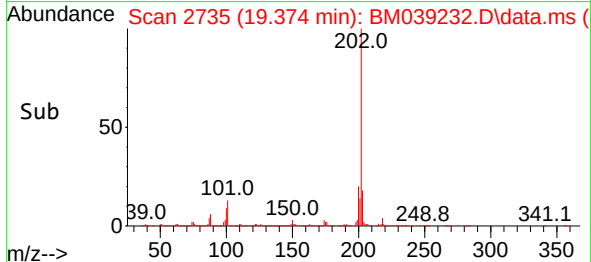
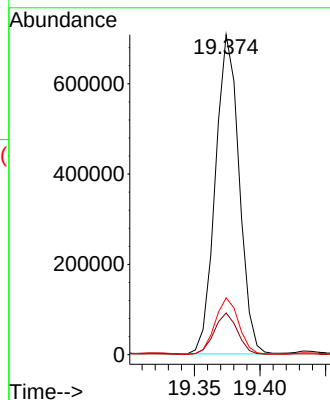
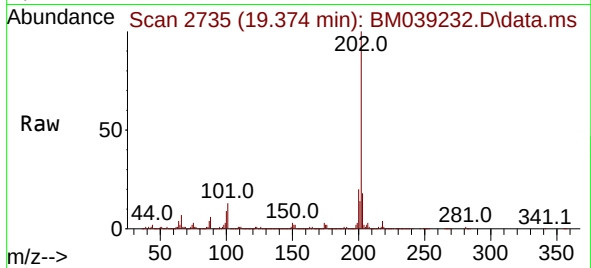




#75
Fluoranthene
Concen: 12.984 ng
RT: 19.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

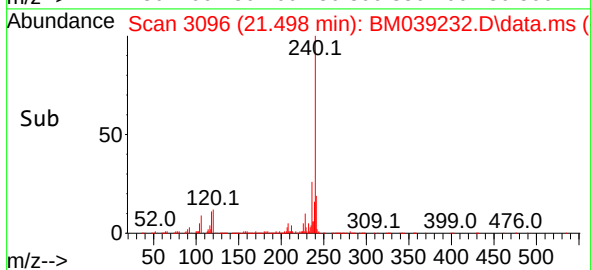
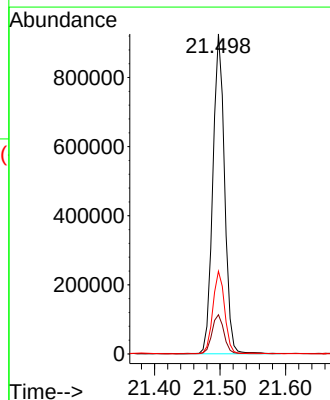
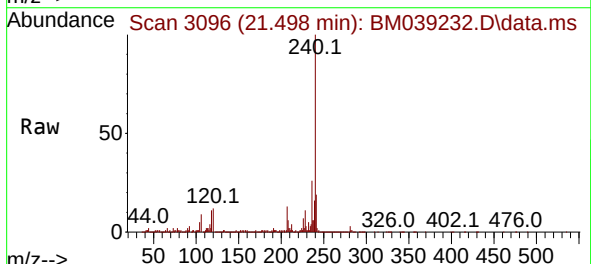
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

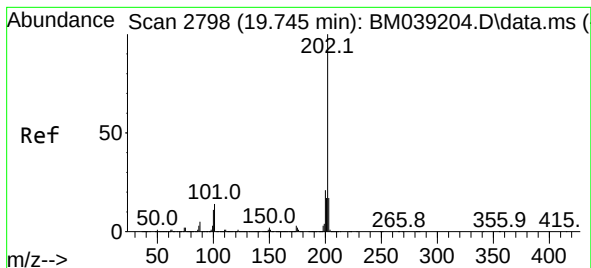
Tgt Ion:202 Resp: 891162
Ion Ratio Lower Upper
202 100
101 13.0 0.0 32.5
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.498 min Scan# 3096
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:240 Resp: 1150460
Ion Ratio Lower Upper
240 100
120 12.3 10.2 15.2
236 25.8 20.9 31.3





#78

Pyrene

Concen: 19.338 ng

RT: 19.739 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

Instrument :

BNA_M

ClientSampleId :

TP-11-TEST-PIT-ON-CENTRAL

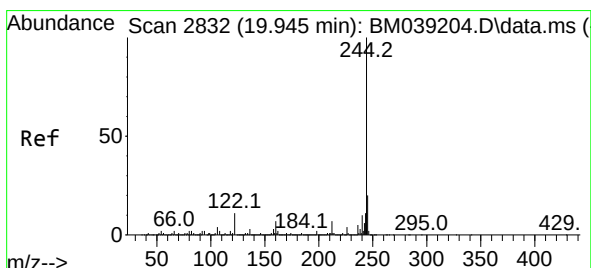
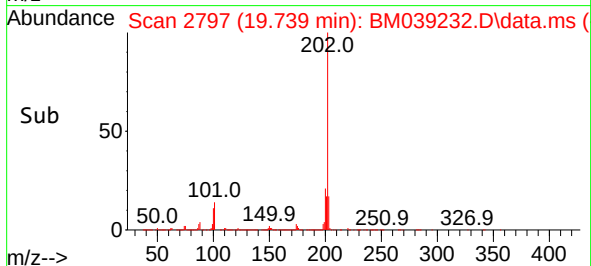
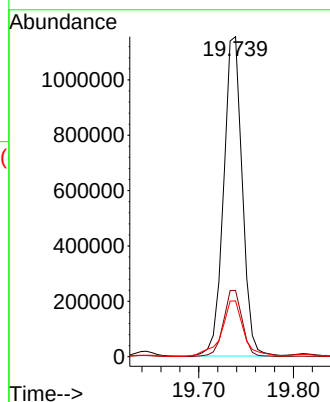
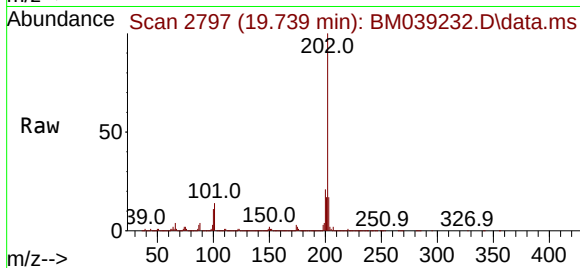
Tgt Ion:202 Resp: 1583831

Ion Ratio Lower Upper

202 100

200 20.7 17.1 25.7

203 17.4 13.9 20.9



#79

Terphenyl-d14

Concen: 67.203 ng

RT: 19.939 min Scan# 2831

Delta R.T. -0.006 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

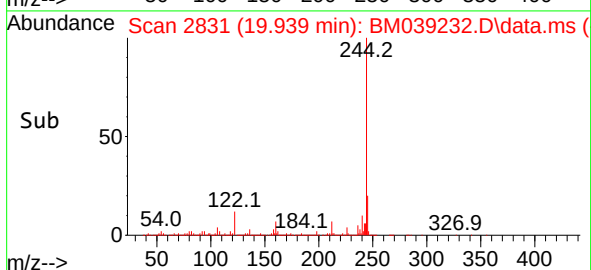
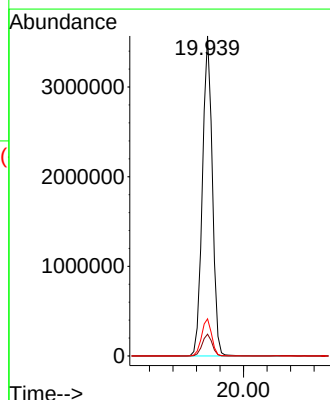
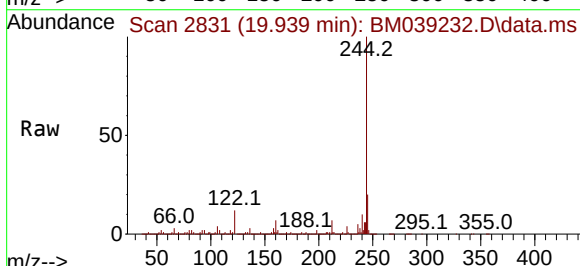
Tgt Ion:244 Resp: 4184681

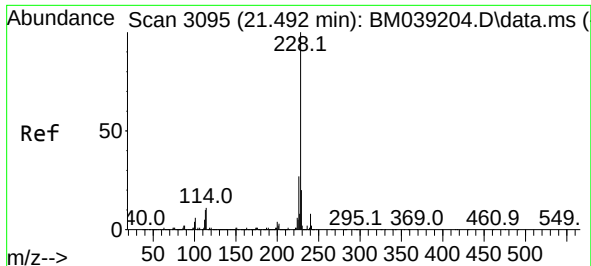
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 11.6 9.1 13.7

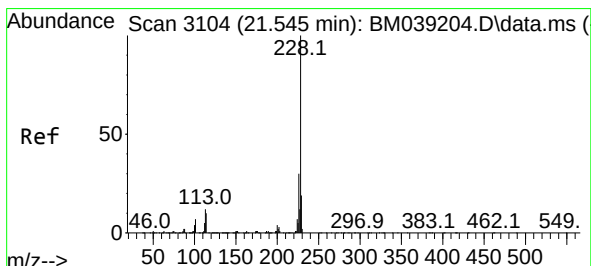
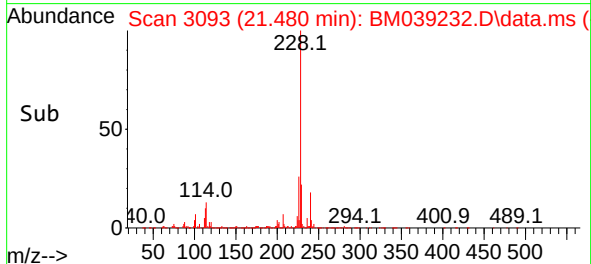
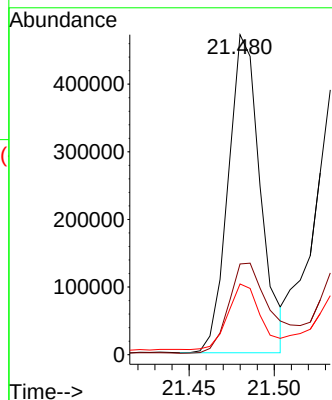
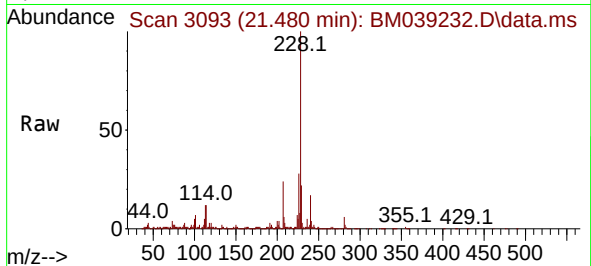




#81
Benzo(a)anthracene
Concen: 7.592 ng
RT: 21.480 min Scan# 3095
Delta R.T. -0.012 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

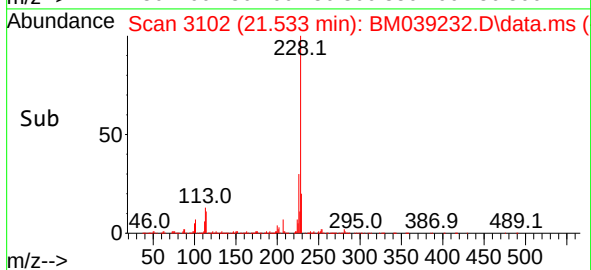
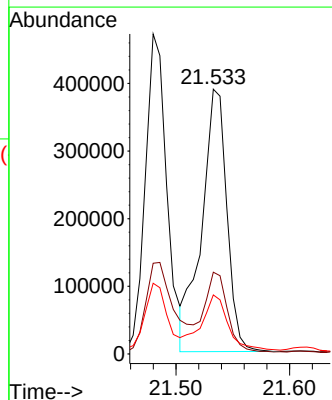
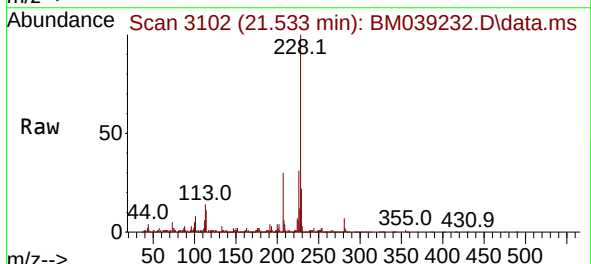
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

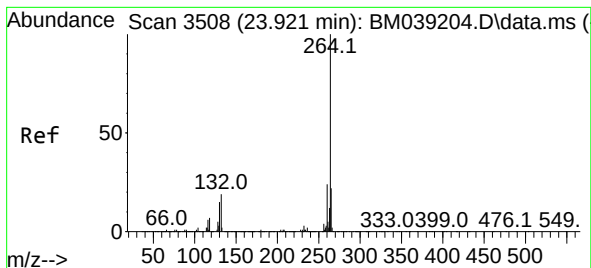
Tgt Ion:228 Resp: 615975
Ion Ratio Lower Upper
228 100
226 28.3 21.9 32.9
229 22.1 15.8 23.6



#83
Chrysene
Concen: 7.667 ng
RT: 21.533 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:228 Resp: 600542
Ion Ratio Lower Upper
228 100
226 30.9 24.1 36.1
229 22.3 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.915 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

Instrument :

BNA_M

ClientSampleId :

TP-11-TEST-PIT-ON-CENTRAL

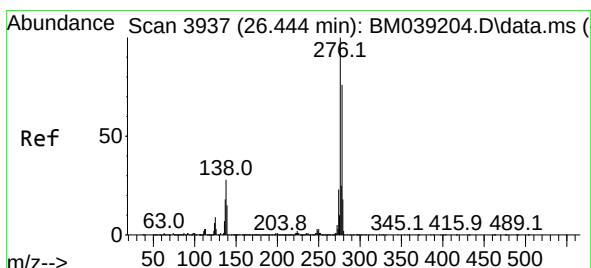
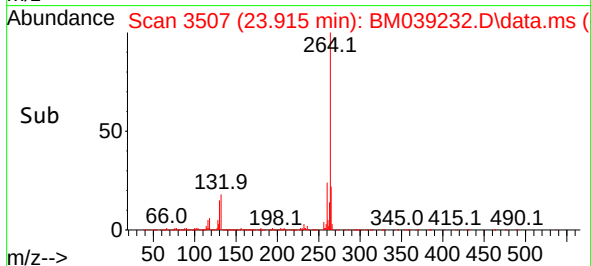
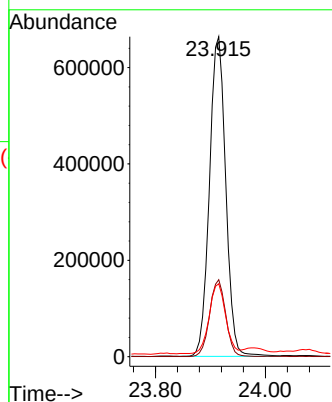
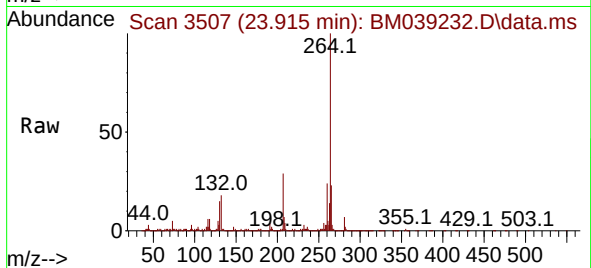
Tgt Ion:264 Resp: 1367799

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

265 22.8 18.1 27.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.121 ng

RT: 26.415 min Scan# 3932

Delta R.T. -0.029 min

Lab File: BM039232.D

Acq: 30 Mar 2023 18:32

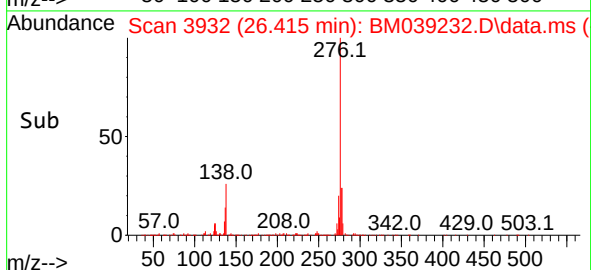
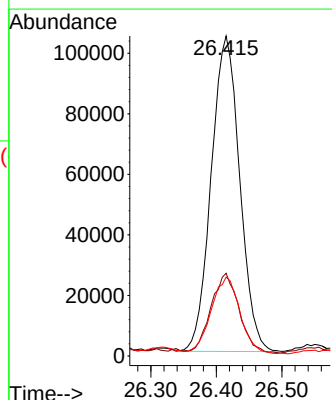
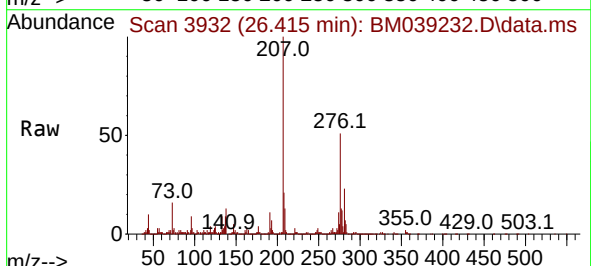
Tgt Ion:276 Resp: 314553

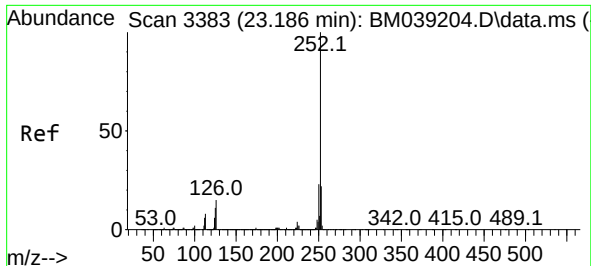
Ion Ratio Lower Upper

276 100

138 24.5 22.2 33.2

277 24.9 20.2 30.2

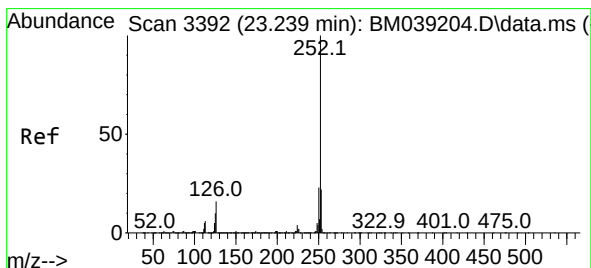
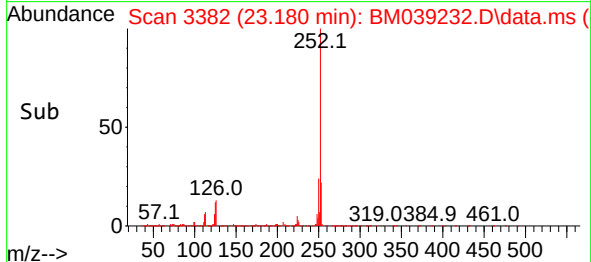
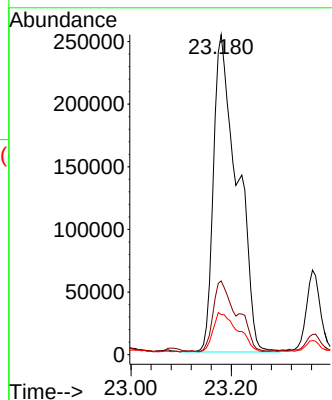
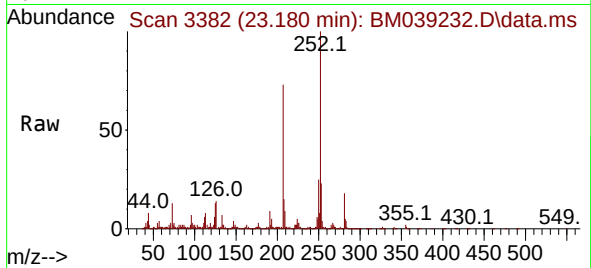




#88
Benzo(b)fluoranthene
Concen: 10.009 ng
RT: 23.180 min Scan# 3383
Delta R.T. -0.006 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

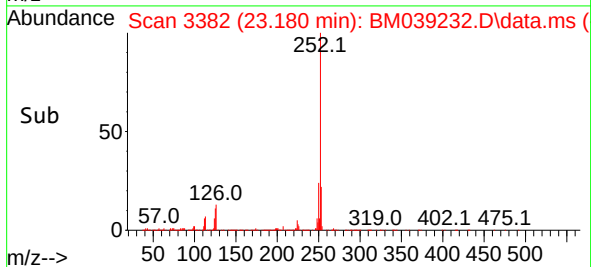
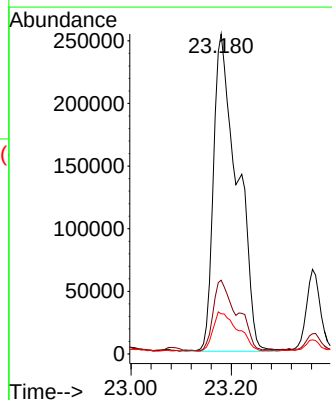
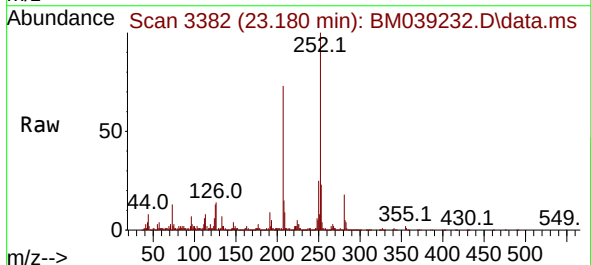
Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

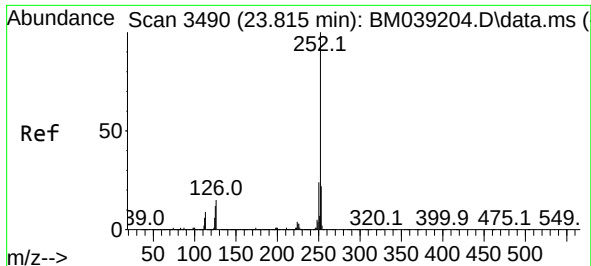
Tgt Ion:252 Resp: 837648
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.6 9.0 13.6



#89
Benzo(k)fluoranthene
Concen: 9.826 ng
RT: 23.180 min Scan# 3382
Delta R.T. -0.059 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:252 Resp: 837648
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 12.6 8.5 12.7

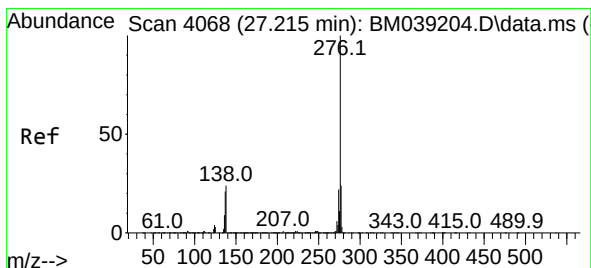
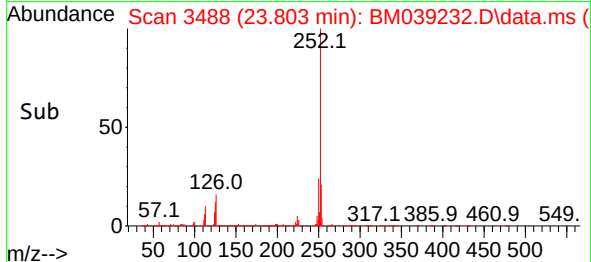
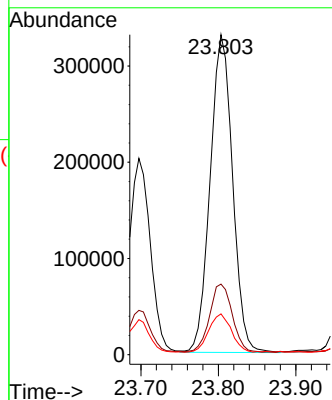
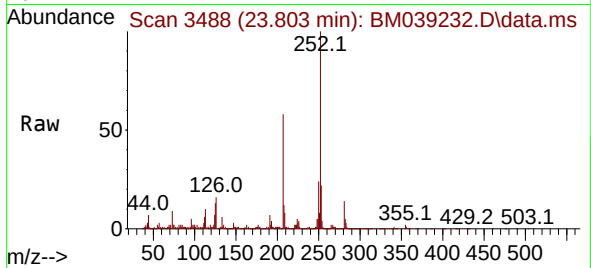




#90
Benzo(a)pyrene
Concen: 8.085 ng
RT: 23.803 min Scan# 34
Delta R.T. -0.012 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Instrument :
BNA_M
ClientSampleId :
TP-11-TEST-PIT-ON-CENTRAL

Tgt Ion:252 Resp: 664727
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 12.7 9.8 14.6



#92
Benzo(g,h,i)perylene
Concen: 4.224 ng
RT: 27.185 min Scan# 4063
Delta R.T. -0.029 min
Lab File: BM039232.D
Acq: 30 Mar 2023 18:32

Tgt Ion:276 Resp: 351552
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 23.8 19.5 29.3

